

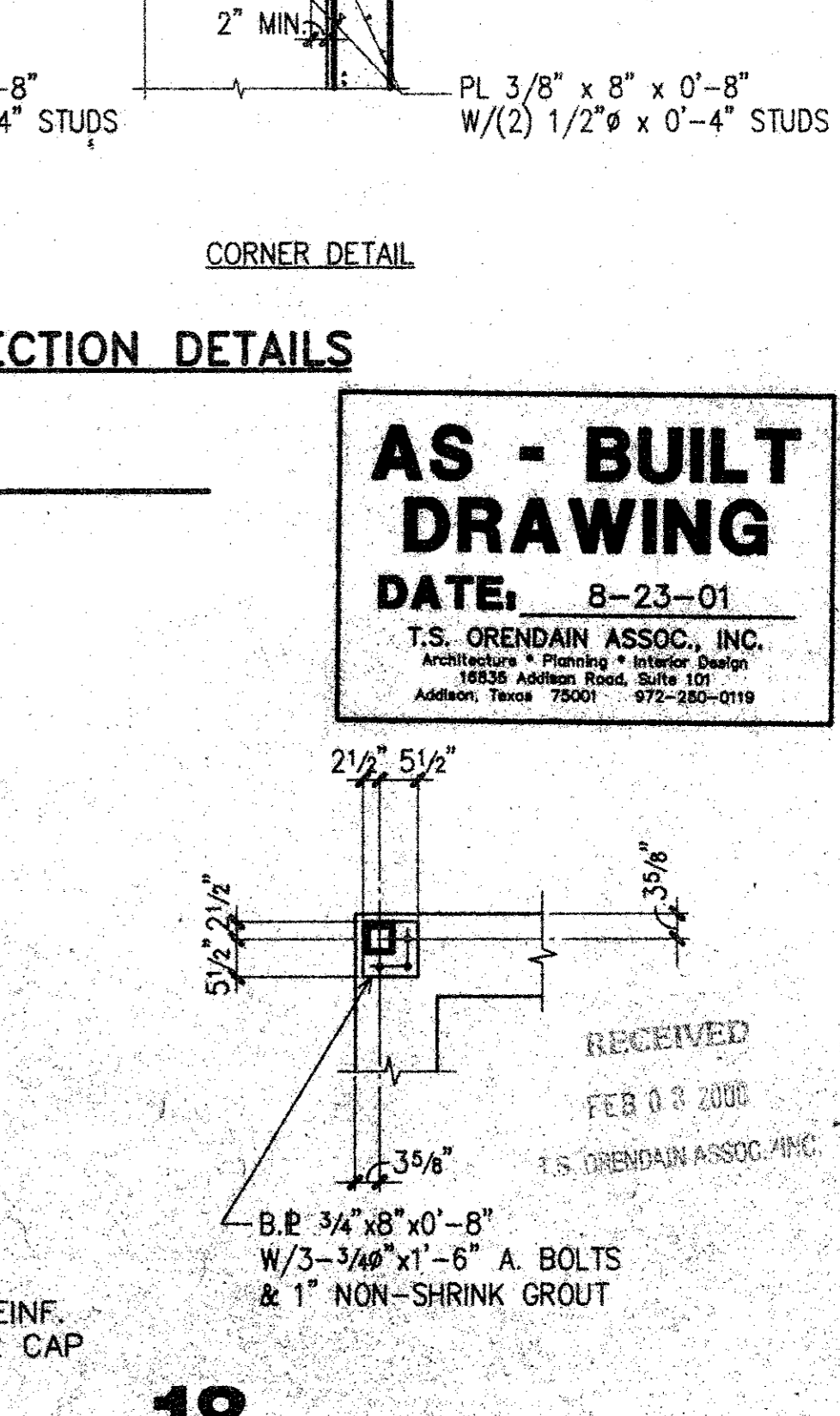
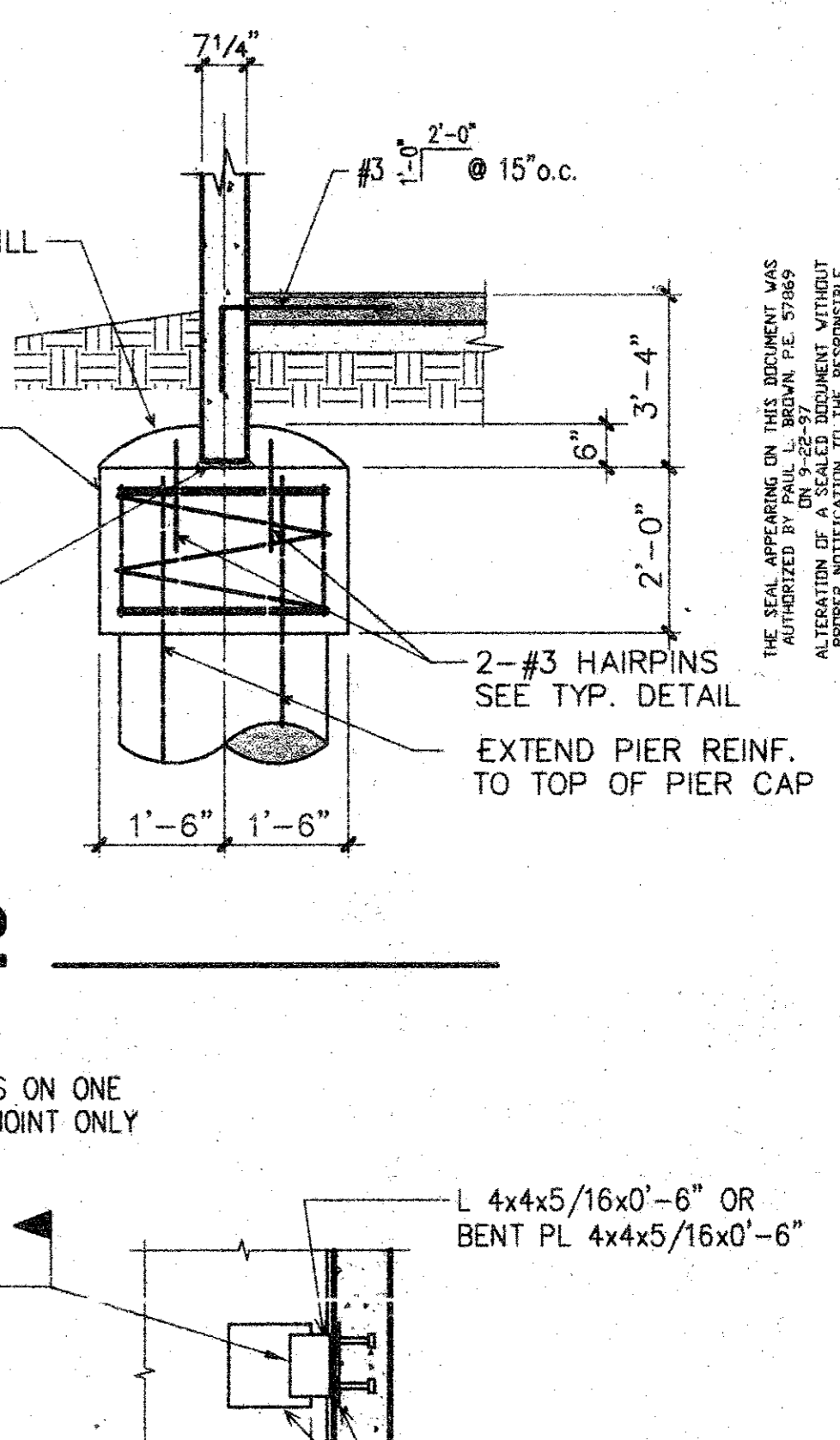
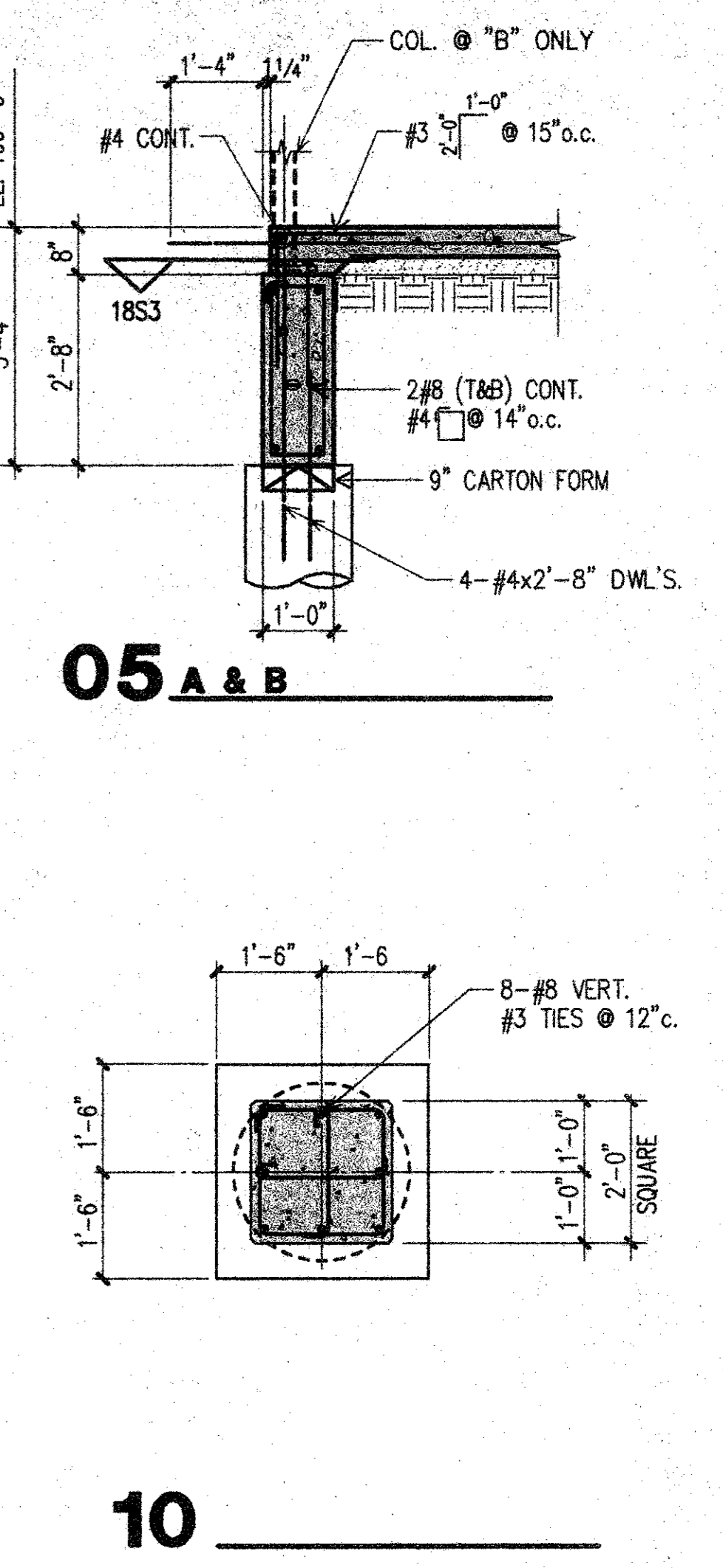
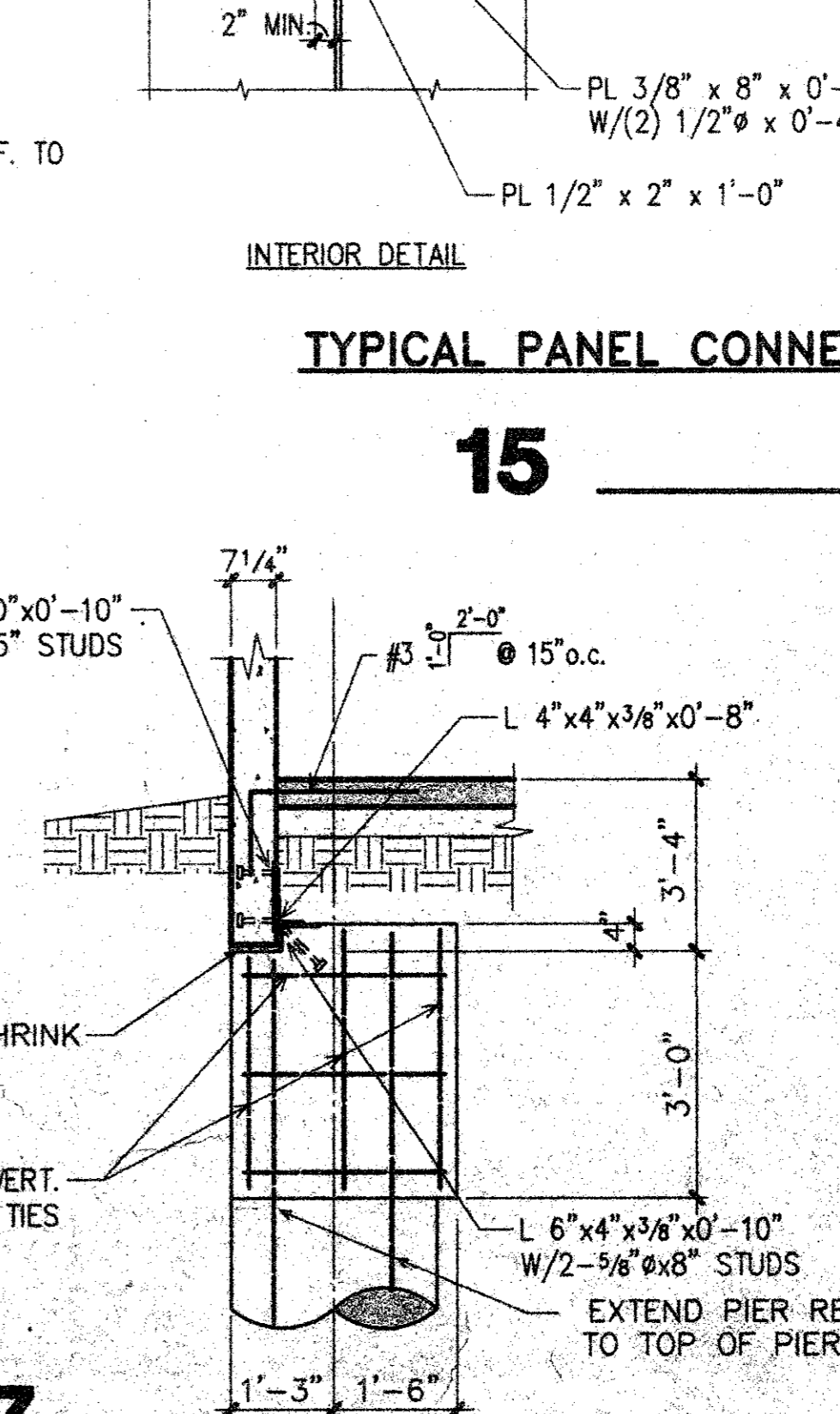
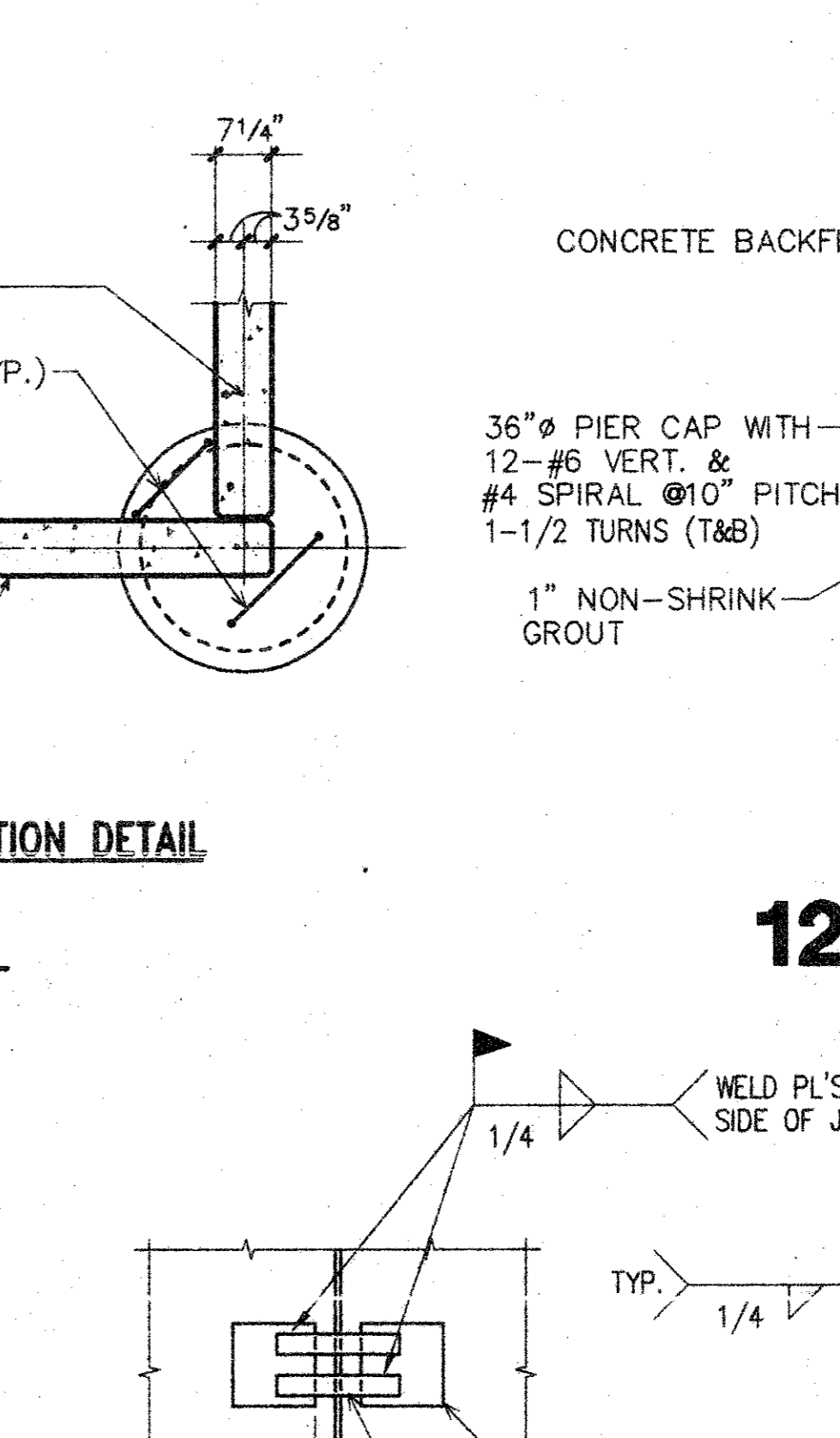
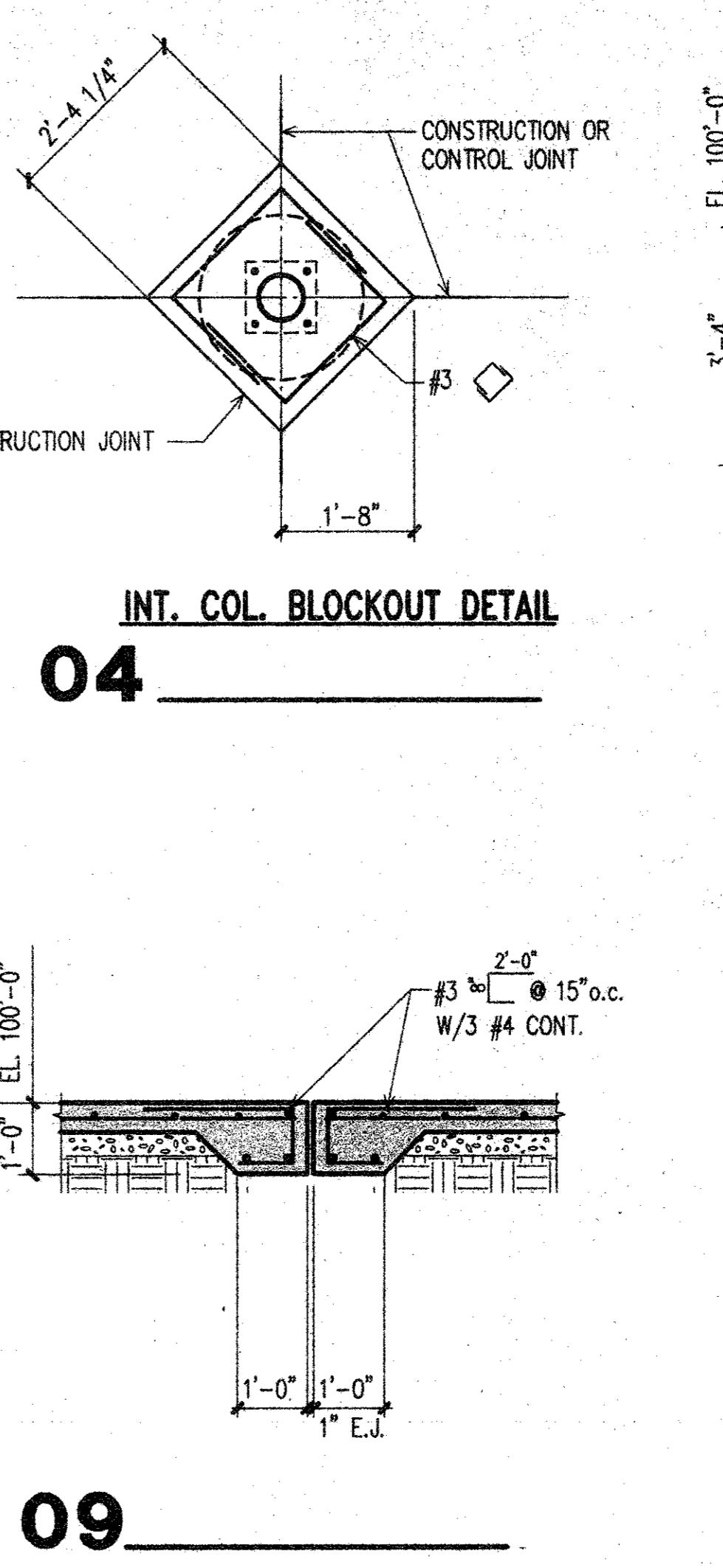
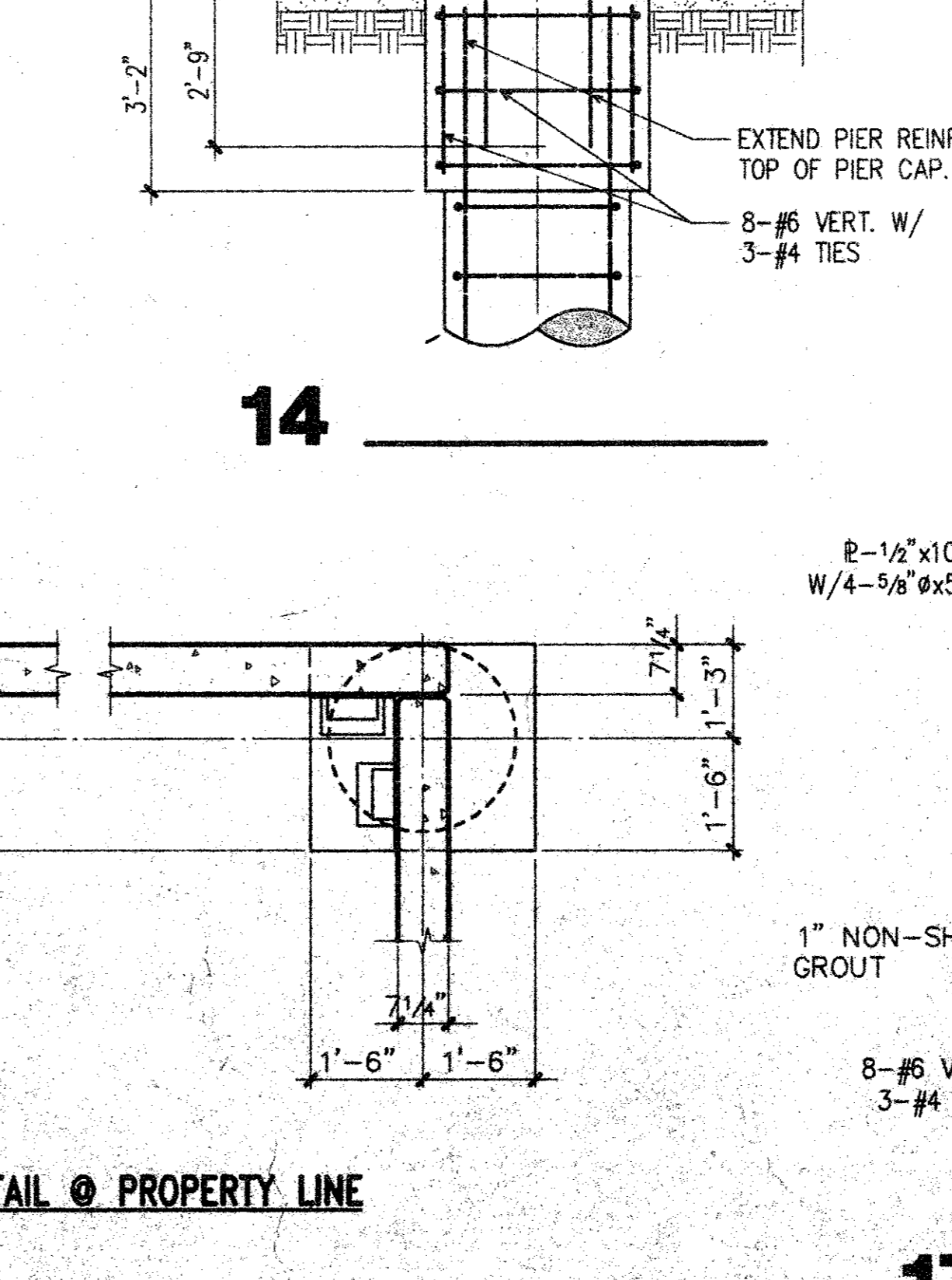
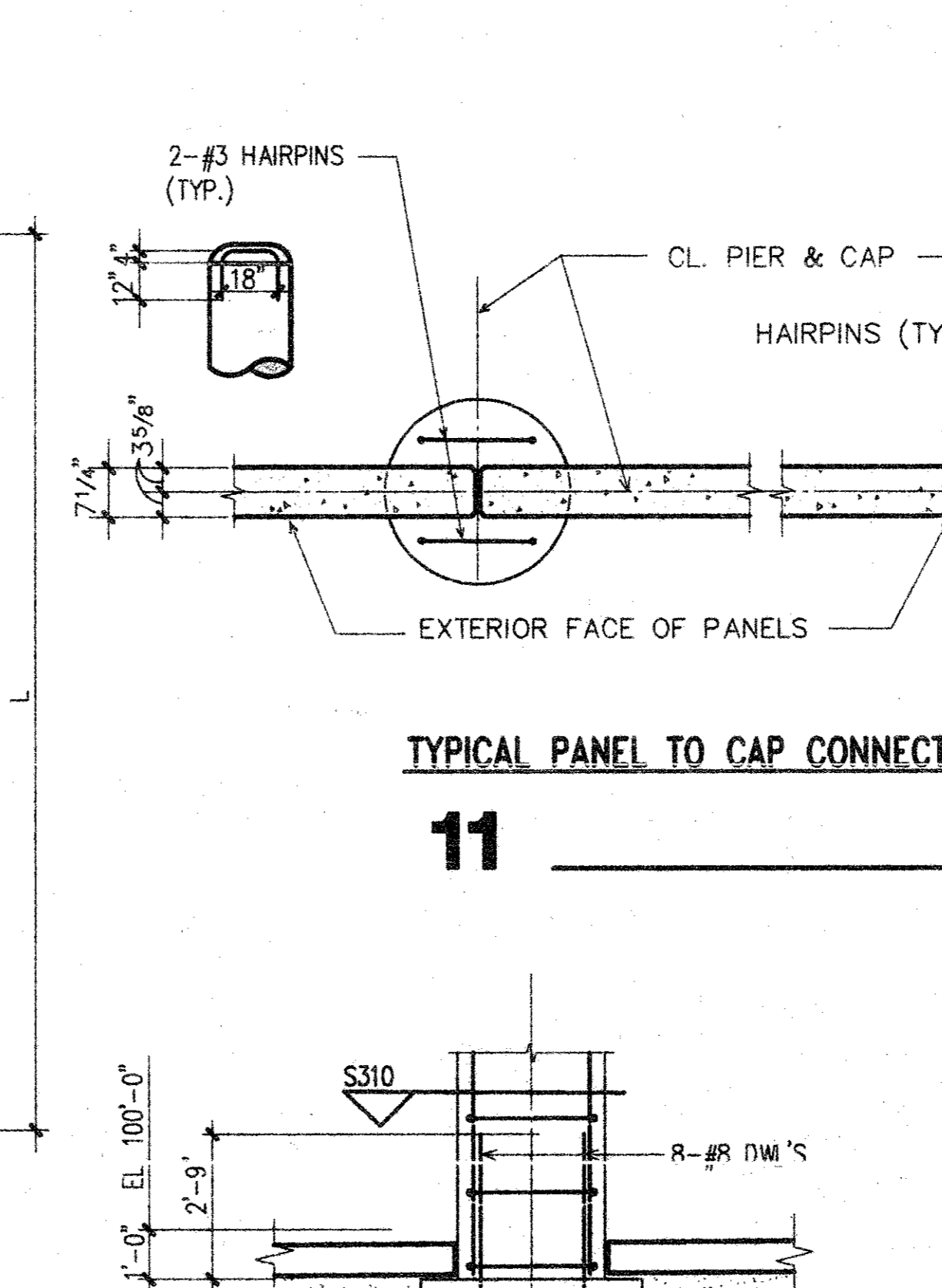
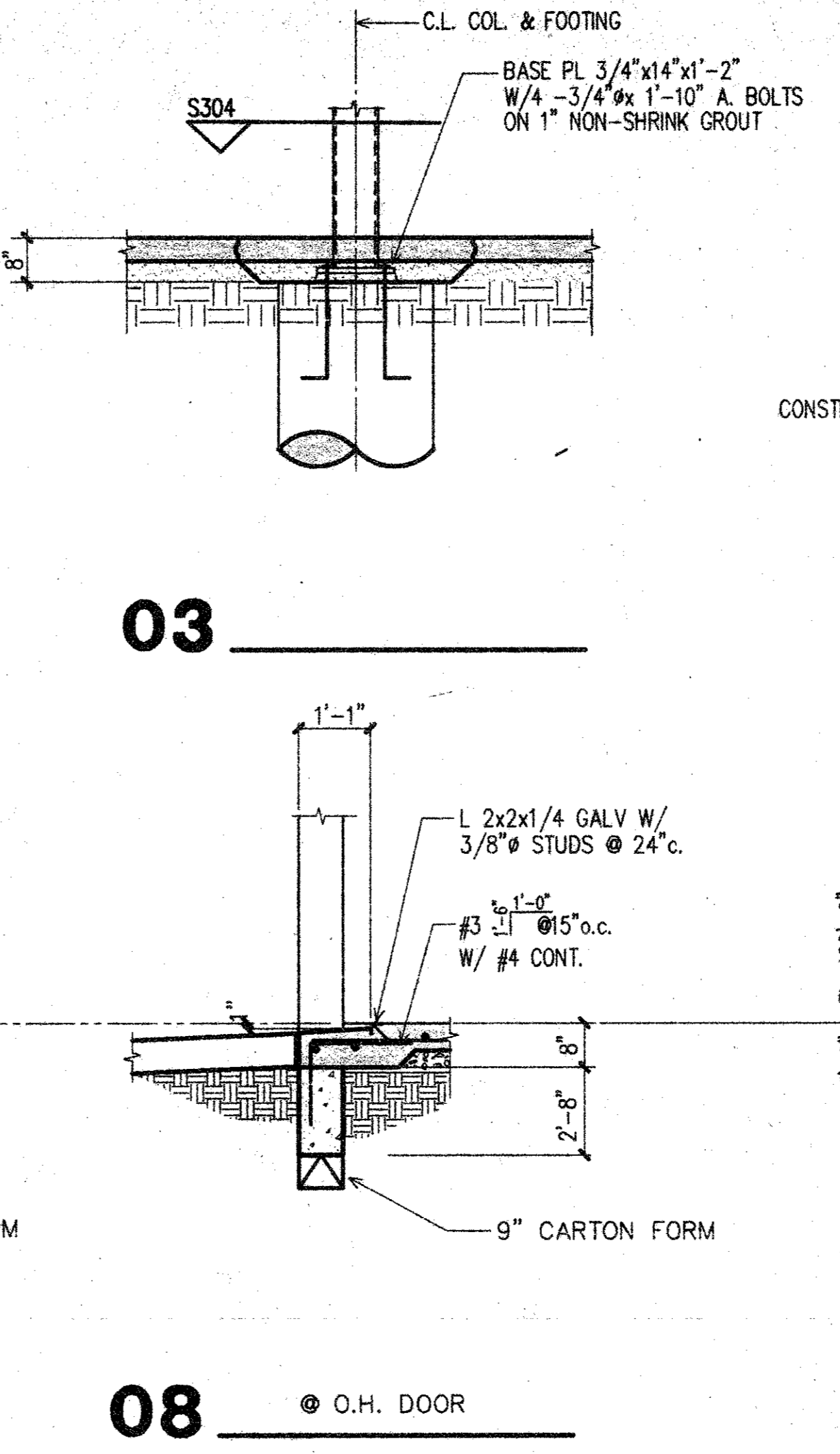
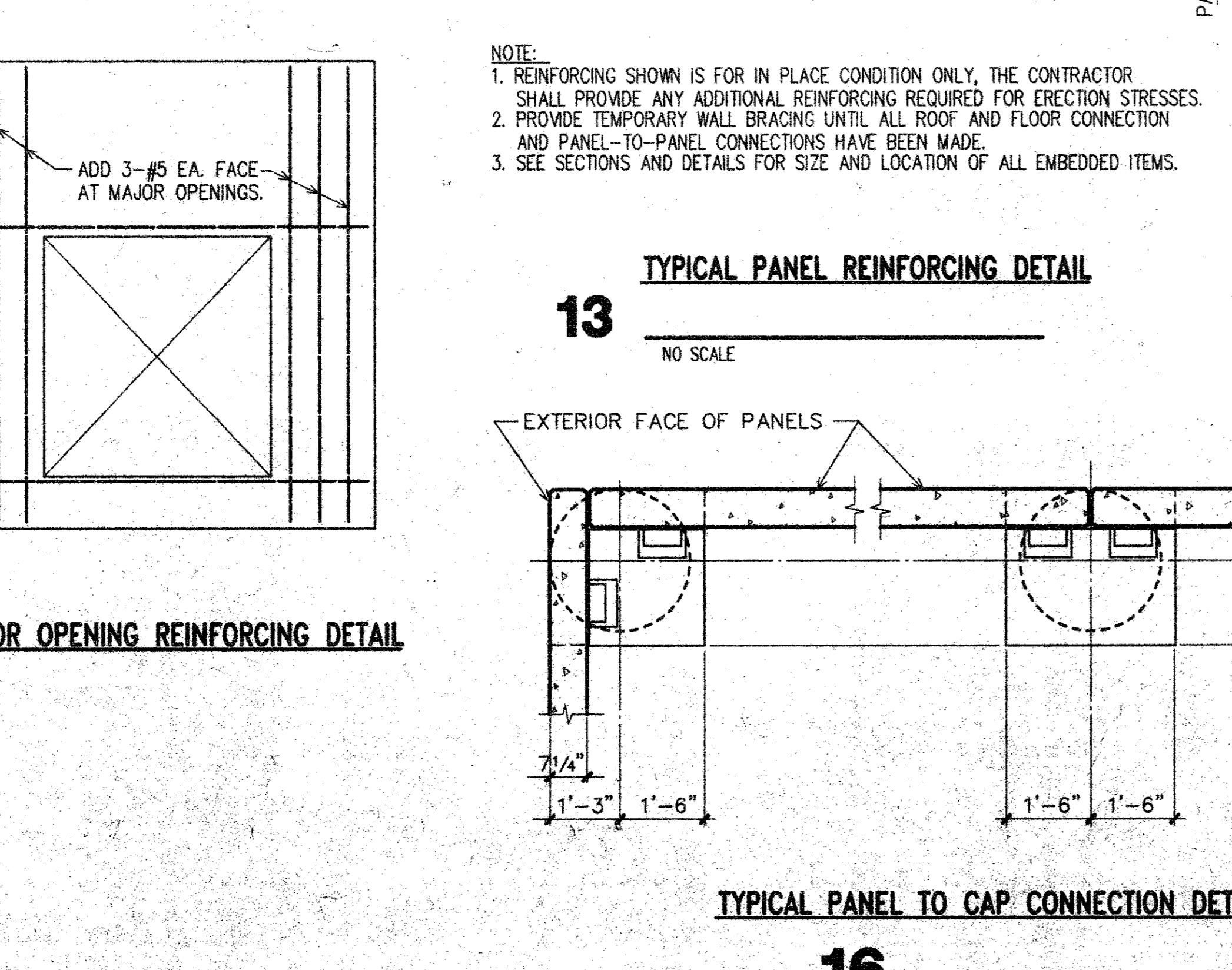
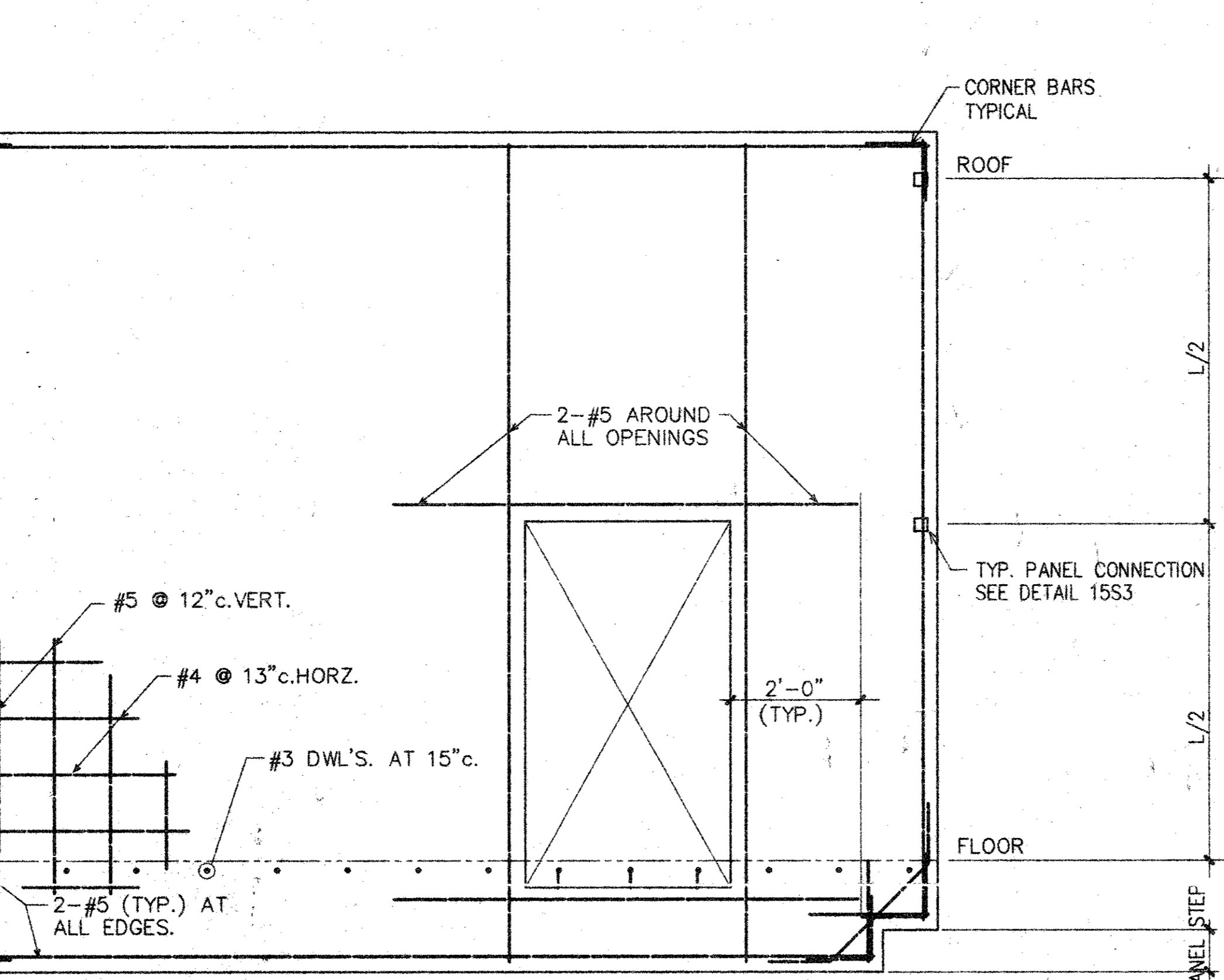
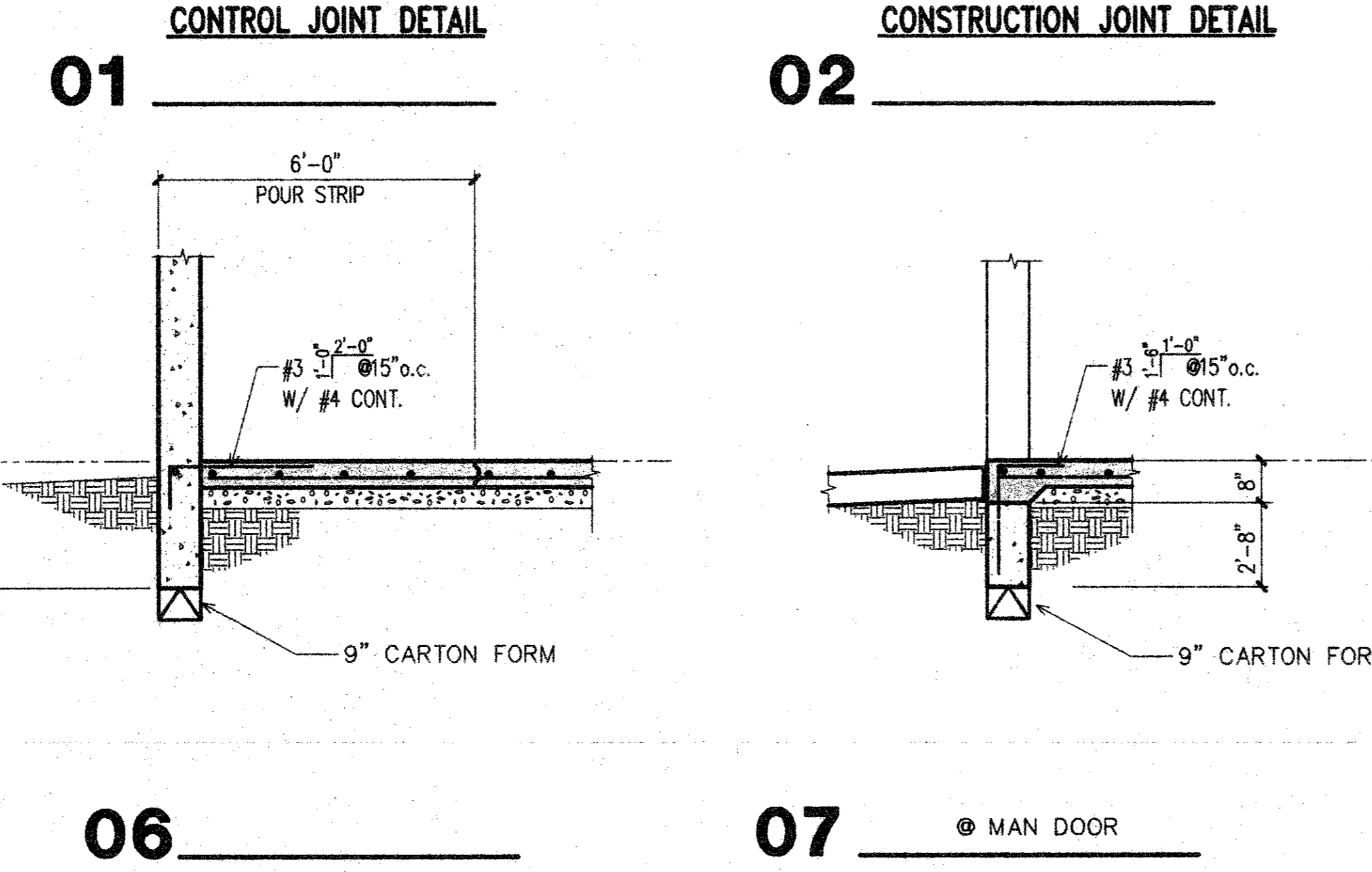
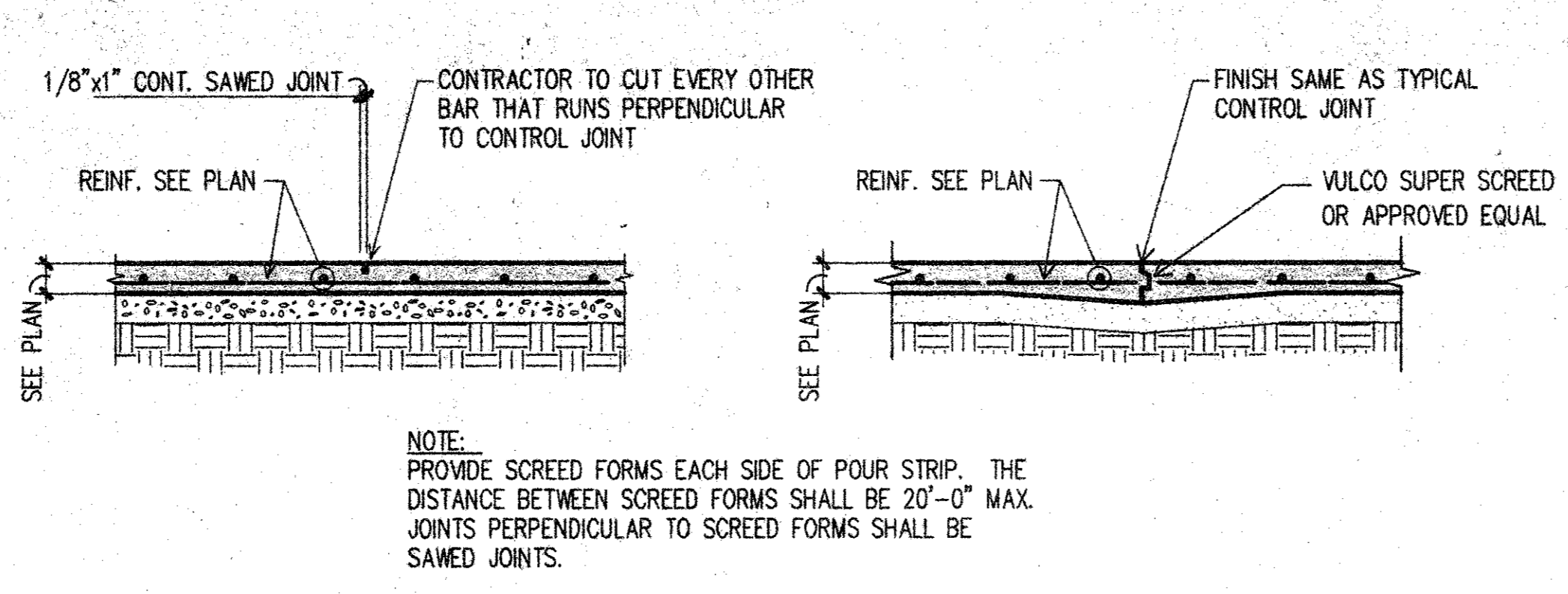
GENERAL NOTES

- GENERAL REQUIREMENTS**
- THIS PROJECT SHALL MEET ALL REQUIREMENTS OF UNIFORM BUILDING CODE AND THE CITY OF ADDISON, TEXAS.
 - LIVE LOADS:** ROOF LOAD = 20 PSF. WIND SPEED = 70 MPH. SEISMIC ZONE = 0. EXPOSURE = B.
 - THE FOUNDATION IS DESIGNED AND THE BUILDING PAD SHALL BE PREPARED TO MEET THE RECOMMENDATIONS CONTAINED IN THE SOIL REPORT PREPARED FOR THIS PROJECT BY BRYANT CONSULTANTS, INC., DATED AUGUST 12, 1997.
 - THE SOIL REPORT INSTRUCTIONS ON HOW TO PREPARE THE BUILDING PAD SO AS TO LIMIT THE VERTICAL MOVEMENT OF THE FLOOR SLABS TO ONE INCH OR LESS SHALL BE FOLLOWED.
 - FOUNDATION DESIGN IS BASED ON AN ALLOWABLE END BEARING VALUE OF 40,000 PSF. PIERS SHALL BE PLACED INTO THE UN-WEATHERED GRAY LIMESTONE FOUND AT A DEPTH OF BETWEEN 12 AND 4 FEET BELOW EXISTING GRADE.
 - ALL PIERS SHALL BE CENTERED UNDER WALL PANELS UNLESS OTHERWISE SHOWN. IF CASED PIERS ARE REQUIRED, THE PIERS ARE TO BE INSPECTED BY A QUALIFIED TESTING LABORATORY ENGINEER DURING THE DRILLING OPERATION, PLACEMENT OF CONCRETE, AND REMOVAL OF CASING. SPECIAL CARE SHALL BE TAKEN TO MAINTAIN A SUFFICIENT HEAD OF PLASTIC CONCRETE WITHIN THE CASING DURING EXTRACTION. THE CONTRACTOR SHALL VERIFY DEPTHS OF PIERS BEFORE PIER STEEL IS CUT. PIER STEEL SHALL BE DELIVERED TO THE JOB SITE IN STANDARD 60' LENGTHS AND CUT AS REQUIRED. 30 BAR DIAMETER LAPS WILL BE ALLOWED IN THE PIER STEEL IF NO MORE THAN 50% OF THE BARS ARE LAPPED IN ANY 5' - 0" LENGTH OF PIER.
 - ALL FILL MATERIAL SHALL BE A VERY SANDY CLAY TO CLAYEY SAND, AND SHOULD HAVE A MAXIMUM PLASTICITY INDEX OF 12. THIS FILL MATERIAL SHOULD BE SPREAD IN LOOSE LIFTS SIX TO EIGHT INCHES THICK, AND UNIFORMLY COMPACTED TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY AT OR ABOVE ITS OPTIMUM MOISTURE CONTENT. SHORE ALL WALLS AND GRADE BEAMS AS REQUIRED DURING THE COMPACTION OPERATION. BACKFILL AGAINST THE EXTERIOR FACE OF WALL PANELS SHOULD BE PROPERLY COMPACTED ON SITE.
 - ALL WALLS SHALL BE SUPPORTED ON 9" CARTON FORMS COATED WITH PARAFFIN CONTAINING 10% POLYETHYLENE AND DESIGNED TO CARRY THE WET CONCRETE. SHOP DRAWINGS: TWO PRINTS AND ONE SEPIA TRACING OF EACH DRAWING IS TO BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW. DISTRIBUTION OF PRINTS IS TO BE MADE ONLY FROM RETURNED THE SEPIA DRAWINGS BEARING A SIGNED REVIEW STAMP. NO WORK ON ITEMS SHOWN THEREIN IS TO PROCEED UNLESS THE STAMP CLEARLY INDICATES "NO EXCEPTIONS TAKEN" OR "MAKE CORRECTIONS NOTED". GENERAL CONTRACTOR SHALL PRE-CHECK ALL SHOP DRAWINGS BEFORE SUBMISSION TO ENGINEER FOR REVIEW. THE CONTRACTOR SHALL ALLOW THE ENGINEER TWO WEEKS FOR REVIEWING SHOP DRAWINGS.
 - STRUCTURAL DRAWINGS MAY NOT BE REPRODUCED FOR USE AS SHOP DRAWINGS WITHOUT PRIOR PERMISSION OF THE STRUCTURAL ENGINEER.
 - SLABS-ON-GRADE SHALL BE SEPARATED INTO SECTIONS NOT TO EXCEED 400 SQUARE FEET BY KEYS OR SAWED CONSTRUCTIONS, OR CONTROL JOINTS. REFER TO TYPICAL DETAILS FOR THE CONSTRUCTION OF THESE JOINTS. THESE JOINTS SHALL BE INDICATED, DISTINGUISHED BETWEEN, AND LOCATED WITH DIMENSIONS ON THE SHOP DRAWINGS SUBMITTED TO THE ENGINEER FOR REVIEW.
 - THE GENERAL CONTRACTOR SHALL VERIFY THE SIZE AND LOCATION OF ALL MECHANICAL AND ELECTRICAL OPENINGS.
 - PROVIDE ALL CONCRETE PADS, TRAPS, BASINS, ETC., SHOWN ON MECHANICAL DRAWINGS WHERE INDICATED TO BE SUPPLIED BY GENERAL CONTRACTOR.
 - ALL WALLS AND SLABS SHALL BE WATERPROOFED AS SHOWN AND NOTED ON THE ARCHITECTURAL DRAWINGS.
 - THE CONTRACTOR SHALL PROVIDE TEMPORARY BRACING AS REQUIRED FOR ALL WALLS UNTIL THE ROOF FRAMING AND DECK IS IN PLACE, AND CAPABLE OF PROVIDING SUPPORT FOR THE TOP OF THESE WALLS.
 - THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS SHOWN ON THE STRUCTURAL DRAWINGS WITH THE ARCHITECTURAL DRAWINGS.

- CONCRETE**
- ALL CONCRETE AND METAL REINFORCEMENT FOR CONCRETE SHALL BE FABRICATED AND PLACED IN CONFORMITY WITH THE "ACI STANDARD BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318).
 - POURED IN PLACE CONCRETE SHALL STRICTLY ADHERE TO THE PROPORTIONS ESTABLISHED IN DESIGN MIXES, PREPARED AND TESTED BY A PRE-QUALIFIED LABORATORY. THESE TESTS SHALL CONSIST OF THE ACTUAL MATERIALS TO BE USED DURING CONSTRUCTION, FOR THE SEVERAL STRENGTHS AND USES INTENDED. THE DESIGN MIXES AND TEST RESULTS ARE TO BE REVIEWED BY THE ENGINEER PRIOR TO USE.
 - POURED IN PLACE CONCRETE IS TO BE NORMAL WEIGHT AND IS TO DEVELOP A COMPRESSIVE STRENGTH f'_c OF 3,000 PSI. AT 28 DAYS. SLUMP SHALL EQUAL 4" ± 1".
 - STRUCTURAL LIGHTWEIGHT AGGREGATE CONCRETE SHALL HAVE A MAXIMUM WEIGHT OF 116 PCF. AND IS TO DEVELOP A COMPRESSIVE STRENGTH f'_c OF 3,000 PSI. AT 28 DAYS.
 - STRENGTH TESTS OF CONCRETE ARE TO MEET THE REQUIREMENTS FOR ULTIMATE STRENGTH DESIGN.
 - UNLESS NOTED OTHERWISE, METAL REINFORCEMENT FOR POURED IN PLACE CONCRETE IS TO BE ASTM 615; GRADE 60 FOR PRINCIPAL REINFORCING; GRADE 40 FOR STIRRUPS AND TIES. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185.
 - BARS SCHEDULED AS CONTINUOUS SHALL BE LAP SPICED 30 DIAMETERS AS FOLLOWS: TOP BARS AT CENTERLINE OF ANY SPAN. BOTTOM BARS OVER ANY SUPPORT.
 - THE CONTRACTOR SHALL VERIFY THE PRESENCE, LOCATION, SIZES AND CORRECTNESS OF ALL OPENINGS, SLAB DEPRESSIONS AND EMBEDDED ITEMS REQUIRED PRIOR TO CONCRETING.
 - PROVIDE CORNER BARS IN ALL BEAMS AND WALLS OF SAME SIZE AND SPACING AS ADJACENT BARS, UNLESS NOTED OTHERWISE.
 - PROPER ACCESSORIES AND SUPPORTS ARE TO BE USED AS NOTED AND REVIEWED ON THE SHOP DRAWINGS. ALL REINFORCING TO BE SECURELY AND ACCURATELY HELD IN LOCATIONS SHOWN ON PLANS.
 - UNLESS OTHERWISE SHOWN, ALL SLABS AND STEPS ON FILL SHALL BE REINFORCED WITH #3 BARS AT 15" O.C. EACH WAY, SUPPORTED ONE AND ONE HALF INCHES FROM TOP OF SLAB. LAP 12" AT SPICES.
 - REFER TO THE ARCHITECTURAL DRAWINGS FOR LAYOUT, REINFORCING, AND JOINTS FOR PAVING SIDEWALKS, SITE RETAINING WALLS, AND OTHER PLATWORK.

- STRUCTURAL STEEL**
- STRUCTURAL STEEL SHALL BE FABRICATED AND ERRECTED IN CONFORMITY WITH THE REQUIREMENTS OF THE 6TH EDITION, AISC "MANUAL OF STEEL CONSTRUCTION".
 - ALL BOLTS SHALL BE 3/4" DIA. ASTM A325-1. WELDING TYPE CONNECTION WITH WASHERS, UNLESS OTHERWISE NOTED. ANCHOR BOLTS SHALL BE ASTM A307.
 - UNLESS OTHERWISE SHOWN OR NOTED, CONNECTIONS AT NONCONTINUOUS JOINTS SHALL BE DETAILED AS REQUIRED BY PART 4, "FRAMED BEAM CONNECTIONS", FOR ONE-HALF THE ALLOWABLE LOADS FOR BEAMS TABULATED IN PART 2 OF THE AISC MANUAL. FIELD CONNECTIONS AT NONCONTINUOUS JOINTS ARE TO BE BOLDED.
 - EXCEPT AS SHOWN OR NOTED, ALL STRUCTURAL SHAPES AND PLATES ARE TO BE ASTM A36 MATERIAL.
 - ALL WELDS SHALL BE MADE ONLY BY PRE-QUALIFIED WELDERS AND SHALL CONFORM TO THE LATEST REVISED CODE OF THE AMERICAN WELDING SOCIETY.
 - ERECTOR TOLERANCE SHALL CONFORM TO THE CODE OF STANDARD PRACTICE EXCEPT THAT THE MAXIMUM TOTAL DISPLACEMENT AT THE CENTERLINE OF ANY COLUMN FROM THE ESTABLISHED COLUMN CENTERLINE SHALL NOT EXCEED 1/2" AT ANY LEVEL.
 - A RECOGNIZED TESTING LABORATORY, REVIEWED BY THE STRUCTURAL ENGINEERS, SHALL BE ENGAGED FOR THE PURPOSE OF SHOP AND FIELD INSPECTION AND TO VERIFY THAT THE STRUCTURE IS PLUMB. THE LABORATORY SHALL ASSURE THAT APPROVED WELDING MATERIALS AND SEQUENCES ARE USED, AND SHALL CERTIFY IN WRITING THAT THE QUALITY AND STRENGTH REQUIREMENTS OF ALL CONNECTIONS HAVE BEEN ATTAINED AND THAT ALL TOLERANCES ARE WITHIN SPECIFIED LIMITS.
 - FOR SHOP PAINTING SEE SPECIFICATIONS. HOWEVER, NO MATERIAL WHICH IS NOT REASONABLY CLEAN OR FREE OF RUST AND MILL SCALE WILL BE ACCEPTED ON DELIVERY.
 - PROVIDE BOLTS AND PUNCH HOLES IN STRUCTURAL AND MISC. METAL FOR ATTACHMENTS/WOOD NAILERS AS REQUIRED ON THE ARCHITECTURAL, MECHANICAL OR STRUCTURAL DRAWINGS.
 - PROVIDE BRIDGING, BRACING, HEADERS AND HANGERS AS REQUIRED FOR TRUSSED STEEL JOISTS, PER REQUIREMENTS OF AISC.
 - THE STEEL JOIST SUPPLIER SHALL CERTIFY THAT THEIR JOISTS ARE MANUFACTURED IN ACCORDANCE WITH THE STANDARDS OF THE STEEL JOIST INSTITUTE AND THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION SPECIFICATIONS.
 - ALL CONCENTRATED LOADS SHALL BE SUPPORTED AT THE JOIST PANEL POINTS ONLY, OR ADDITIONAL WEB MEMBERS SHALL BE PROVIDED TO TRANSFER LOADS TO A PANEL POINT. NO VERTICAL LOADS SHALL BE IMPOSED ON THE BRIDGING.
 - ALL PIPING LARGER THAN 4" DIA. PARALLEL TO THE JOISTS, SHALL BE HUNG FROM A MINIMUM OF TWO JOISTS AND SUPPORTS SHALL BE ATTACHED AT THE JOIST PANEL POINTS ONLY.
 - WING PLATES AT PIPE OR TUBE COLUMNS TO RECEIVE BEAMS SHALL BE CONTINUOUS THROUGH THE COLUMN. ALL ECCENTRICITIES SHALL BE INCLUDED IN THE BEAM CONNECTION DESIGN.
 - ALL OPENINGS IN STEEL ROOF DECK TEN INCHES OR GREATER ARE TO BE SUPPORTED BY AN ANGLE FRAMES FABRICATED WITH 4" X 4" X 5/16 ANGLES. THESE ANGLE FRAMES ARE TO BE INSTALLED PRIOR TO THE STEEL DECK BEING PLACED.

- STEEL ROOF DECK**
- ROOF DECK SHALL BE 1 1/2" 22-GAGE, INTERMEDIATE RIB DECK MEETING THE REQUIREMENTS OF THE STEEL DECK INSTITUTE. DECK SHALL BE CONTINUOUS OVER THREE OR MORE SPANS AND SHALL BE WELDED TO THE SUPPORTING STEEL WITH 5/8" DIAMETER PUDDLE WELDS. WELDS TO BE 6" O.C. AT ENDS AND SIDES, AND 12" O.C. AT INTERMEDIATE SUPPORTS. WELDING WASHERS ARE REQUIRED FOR WELDING DECK TO SUPPORTING STEEL. SIDE-LAP FASTENERS SHALL BE #6 SELF TAPPING SCREWS OR BUTTON PUNCH, 2 PER SPAN.
 - QUALIFY THE WELDING PROCESSES AND ALL WELDERS FOR ROOF DECK IN ACCORDANCE WITH THE REQUIREMENTS OF AWS D1.3.



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AS - BUILT DRAWING
 DATE: 8-23-01
 T.S. ORENDAIN ASSOC., INC.
 Architecture + Planning + Interior Design
 16835 Addison Road, Suite 107
 Addison, Texas 75001 972-250-0118

FOUNDATION & TILT WALL PANEL DETAILS
 S3

RECEIVED
 FEB 08 2006
 T.S. ORENDAIN ASSOC./INC.

FOR BUILDING PERMIT
 ISSUED FOR CONSTRUCTION

DATE 9-29-97
BY T.S.O.
DATE 2-3-00
BY T.S.O.