

GENERAL

- THIS PROJECT SHALL MEET ALL REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE AND THE CITY OF ADDISON, TEXAS.
- DESIGN LOADS: WIND LOAD 20 PSF
- FOUNDATIONS ARE DESIGNED TO MEET THE RECOMMENDATIONS CONTAINED IN A REPORT PREPARED FOR THIS PROJECT BY HOOPER GROUP, INC. DATED JANUARY 14, 2004.
- FOUNDATION DESIGN IS BASED ON AN ALLOWABLE BEARING VALUE OF 30,000 PSF AND AN ALLOWABLE SIDE FRICTION VALUE OF 3,000 PSF IN GRAY LIMESTONE, AT AN AVERAGE OF 14 FEET BELOW EXISTING GRADE DRILLED PIER SHAFT SIZES SHOWN ARE MINIMUM PER STRUCTURAL REQUIREMENTS.
- ALL GRADE BEAMS AND WALLS SHALL BE SUPPORTED ON 6" CARTON FORMS COATED WITH PARAFFIN CONTAINING 10% POLYETHYLENE AND DESIGNED TO CARRY THE WET CONCRETE (SUREVOID, OR EQUAL). PROVIDE SOIL RETAINERS EACH SIDE OF BEAM.
- SIDES OF ALL GRADE BEAMS SHALL BE FORMED WITH LUMBER, PLYWOOD OR STEEL - SEE SPECIFICATIONS.
- EXPOSED FACES OF GRADE BEAMS SHALL BE RUBBED WITHIN 24 HOURS AFTER POURING.
- ALL PIERS SHALL BE CENTERED UNDER GRADE BEAMS, WALLS AND COLUMNS UNLESS OTHERWISE SHOWN.
- SHOP DRAWINGS: TWO PRINTS AND ONE SEPIA TRACING OF EACH DRAWING ARE TO BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW. DISTRIBUTION OF PRINTS IS TO BE MADE ONLY FROM RETURNED SEPIAS BEARING A SIGNED REVIEW STAMP. NO WORK ON ITEMS SHOWN THEREON IS TO PROCEED UNLESS THE STAMP CLEARLY INDICATES "NO EXCEPTIONS TAKEN" OR "MAKE CORRECTIONS NOTED". GENERAL CONTRACTOR SHALL PRECHECK 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 USED AS SHOP DRAWINGS.
- VERIFY THE SIZE AND LOCATION OF ALL MECHANICAL AND ELECTRICAL PENETRATIONS AND VERIFY NO CONFLICT WITH STRUCTURAL ELEMENTS. CONSULT STRUCTURAL ENGINEER IF LOCATION OR WEIGHTS OF ROOF TOP UNITS OR OTHER MECHANICAL EQUIPMENT DIFFER FROM THOSE SHOWN ON PLAN.
- PROVIDE ALL CONCRETE PADS, TRAPS, BASINS, ETC., SHOWN ON MECHANICAL DRAWINGS WHERE INDICATED TO BE SUPPLIED BY GENERAL CONTRACTOR.
- VERIFY ALL DIMENSIONS SHOWN ON THE STRUCTURAL DRAWINGS WITH THE ARCHITECTURAL DRAWINGS. IN CASE OF DISCREPANCY BETWEEN ARCHITECTURAL AND STRUCTURAL DRAWINGS, CONTRACTOR IS TO NOTIFY ARCHITECT AND OBTAIN CLARIFICATION IN WRITING PRIOR TO PROCEEDING.

CONCRETE

- ALL CONCRETE AND METAL REINFORCEMENT SHALL BE FABRICATED AND PLACED IN CONFORMITY WITH THE "ACI STANDARD BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" (ACI 318-05).
- POURED IN PLACE CONCRETE SHALL STRICTLY ADHERE TO THE PROPORTIONS ESTABLISHED IN DESIGN MIXES. IN THE EVENT THE ACTUAL MATERIALS TO BE USED DURING CONSTRUCTION FOR THE SEVERAL STRENGTHS AND USES INTENDED, THESE DESIGN MIXES ARE TO BE PREPARED BY A PREQUALIFIED LABORATORY, AND THE MATERIALS AND TEST RESULTS ARE TO BE REVIEWED BY THE ENGINEER AND APPROVED PRIOR TO CONCRETING. NO OPENINGS SHALL BE PERMITTED THROUGH BEAMS OR WALLS UNLESS SHOWN ON THE STRUCTURAL DRAWINGS OR REVIEWED BY THE STRUCTURAL ENGINEER.
- PROPER ACCESSORIES/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.
- CONSTRUCTION JOINTS OF ALL TYPES MAY BE USED ONLY WHERE SHOWN ON THE FABRICATOR'S REVIEWED PLACING DRAWINGS.
- PROVIDE CORNER BARS IN ALL GRADE BEAMS AND WALLS OF SAME SIZE AND SPACING AS ADJACENT BARS, UNLESS OTHERWISE NOTED.
- IF BEAM DEPTH IS PROHIBITIVE, USE STANDARD 180 DEGREE HOOK BARS SCHEDULED AS CONTINUOUS SHALL BE SPliced WITH A CLASS A LAP AND SPliced AS FOLLOWS: TOP BARS AT CENTERLINE OF ANY SPAN, BOTTOM BARS OVER ANY SUPPORT.
- THE CONTRACTOR SHALL VERIFY DEPTHS OF PIERS BEFORE PIER STEEL IS CUT. PIER STEEL SHALL BE DELIVERED TO THE JOB SITE IN STANDARD 60"-0" LENGTHS AND CUT AS REQUIRED. CLASS B BARS LAPS WILL BE ALLOWED IN THE PIER STEEL. NO MORE THAN 50% OF THE BARS ARE TO BE LAPPED IN ANY 5'-0" LENGTH OF THE PIER.

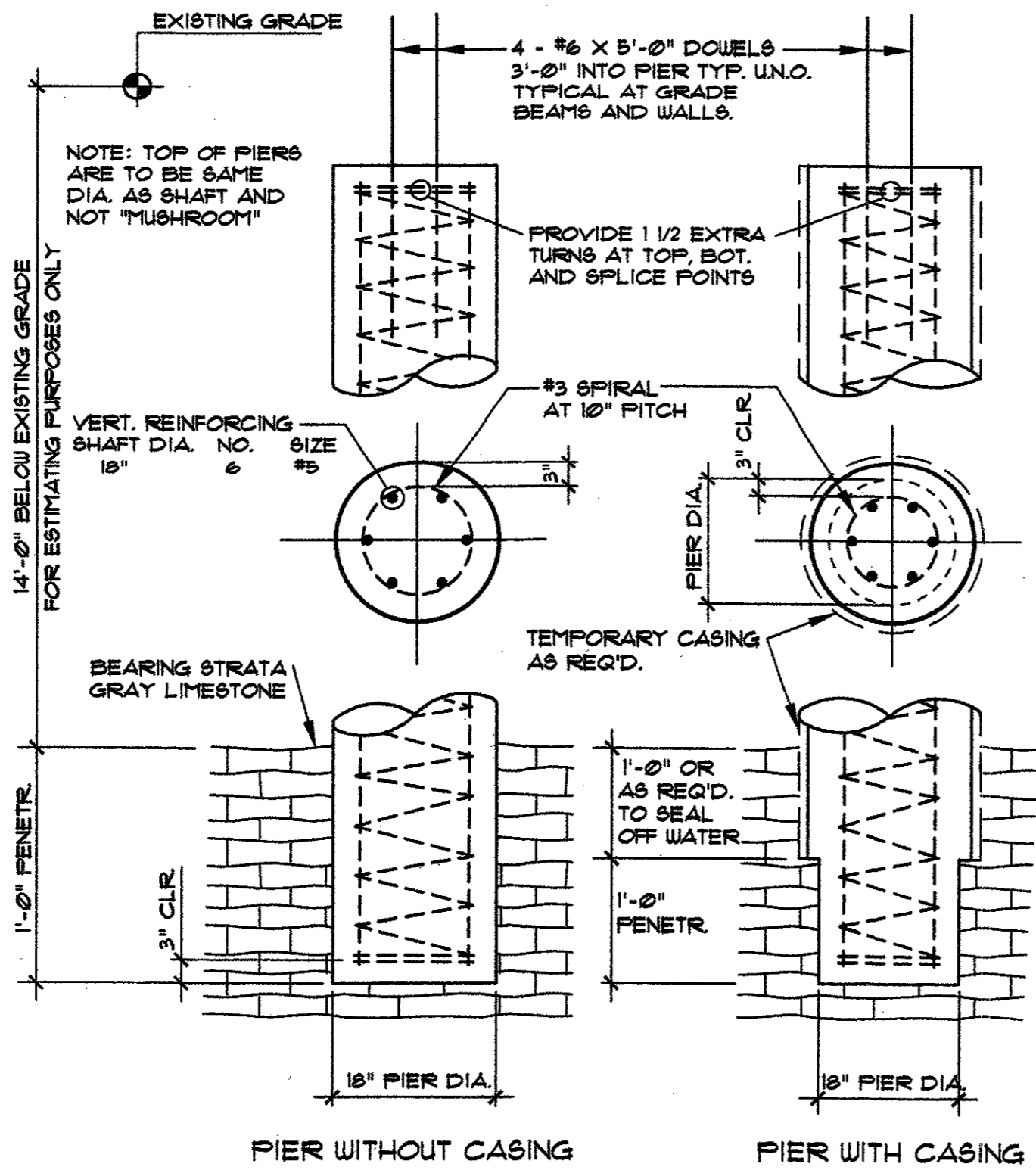
STRUCTURAL STEEL

- ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN CONFORMITY WITH THE REQUIREMENTS OF THE 9TH EDITION, AISC "MANUAL OF STEEL CONSTRUCTION".
- EXCEPT AS SHOWN OR NOTED, ALL STRUCTURAL STEEL TO BE ASTM A36 MATERIAL. TUBE STEEL TO BE FT-46 KSI, ASTM A500, GRADE B.
- ALL WELDS SHALL BE MADE ONLY BY PREQUALIFIED WELDERS PER AWS D11. CERTIFIED WITHIN THE LAST 12 MONTHS. ALL WELDS SHALL BE MADE USING E70 ELECTRODES. ALL WELDS TO BE MINIMUM 3/16" INCH FILLET CONTINUOUS UNLESS NOTED OTHERWISE.
- ERECTION TOLERANCES SHALL CONFORM TO THE AISC CODE OF STANDARD PRACTICE.
- A RECOGNIZED TESTING LABORATORY, REVIEWED BY THE STRUCTURAL ENGINEER SHALL BE ENGAGED FOR THE PURPOSE OF FIELD INSPECTION. 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.
- PROVIDE BOLTS AND PUNCH HOLES IN STRUCTURAL AND MISCELLANEOUS METAL FOR ATTACHMENT OF WOOD NAILERS AS REQUIRED ON THE ARCHITECTURAL, MECHANICAL OR STRUCTURAL DRAWINGS.
- ALL STRUCTURAL AND MISCELLANEOUS METAL IS TO BE CLEANED PRIOR TO SHOP PAINTING AND SHIPMENT IN ACCORD WITH THE STRUCTURAL STEEL PAINTING COUNCIL REQUIREMENTS FOR THE FOLLOWING GRADES: POWER TOOL.
- SHOP PAINTING SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS: SHAPES, PLATES, ETC. TO BE HOT DIP GALVANIZED.
- PROVIDE MINIMUM 1/4" INCH CAP PLATE AT ENDS OF ALL TUBE STEEL MEMBERS, UNLESS NOTED OTHERWISE.
- ALL CHEMICAL ANCHORS SHALL BE HILTI HIT HY 150 INJECTION ADHESIVE ANCHORS WITH STAINLESS STEEL "HAS" RODS, NUTS, WASHERS.

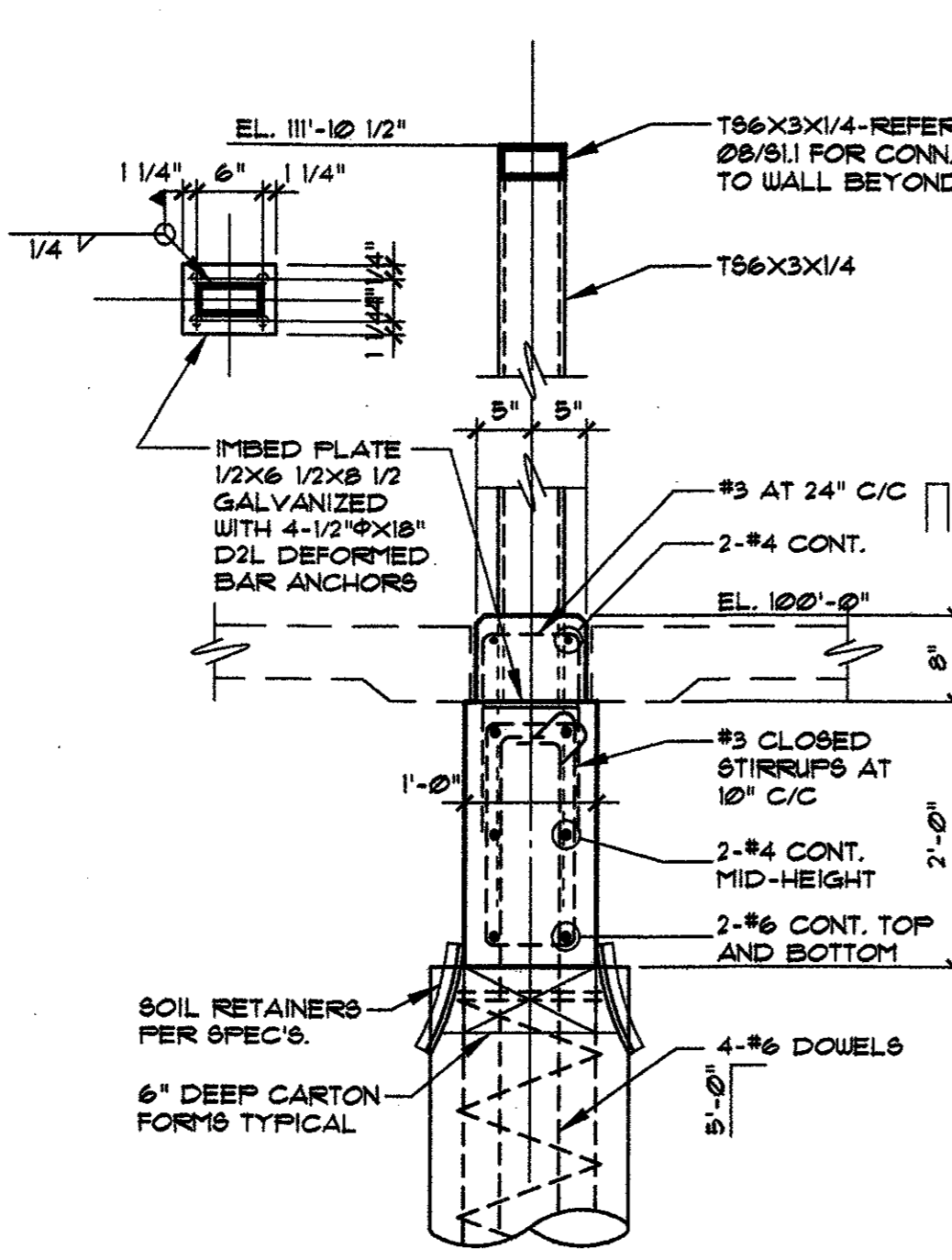
MASONRY

- ALL MASONRY TO HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH FT OF 1500 PSI AT THE AGE OF 28 DAYS FOR ALL MASONRY WALLS.
- ALL CMU (CONCRETE MASONRY UNITS) TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 1500 PSI OVER NET AREA. ASTM C90, GRADE N, TYPE I, LIGHTWEIGHT AGGREGATE.
- MORTAR SHALL BE TYPE S.
- CONSTRUCTION TO COMPLY WITH INTERNATIONAL BUILDING CODE.
- CONTRACTOR TO BE RESPONSIBLE FOR BRACING ALL MASONRY WALLS DURING CONSTRUCTION UNTIL ENTIRE STRUCTURE IS COMPLETE.
- MASONRY DESIGN IS BASED ON THE CRITERIA THAT INSPECTION IS REQUIRED. INSPECTION SHALL COMPLY WITH SECTION 104.5.2 OF INTERNATIONAL BUILDING CODE.
- GROUT FOR BOND BEAMS AND GROUT FILLED CELLS SHALL MEET PROPORTION REQUIREMENTS OF ASTM.
- GROUT FOURS SHALL NOT EXCEED 4 FEET IN HEIGHT EXCEPT WHERE CLEAN CUTS ARE PROVIDED IN THE BOTTOM COURSE OF THE CELL TO BE FILLED.
- VERTICAL REINFORCING BARS SHALL BE ASTM A-615, GRADE 60 AND TO BE HELD IN PLACE UNTIL CONCRETE IS SET. PLACE IN CENTER OF WALL. REINFORCE CMU WALLS IN GROUTED CELLS AS FOLLOWS, UNLESS NOTED OTHERWISE ON DRAWINGS:
8" CMU WALL #5 AT 24" O/C
12" CMU WALL #5 AT 24" O/C
- PROVIDE A VERTICAL BAR ADJACENT TO ALL OPENINGS (DOORS, ETC.) AT ENDS OF WALLS, AND ADJACENT TO ALL VERTICAL MASONRY CONTROL JOINTS.

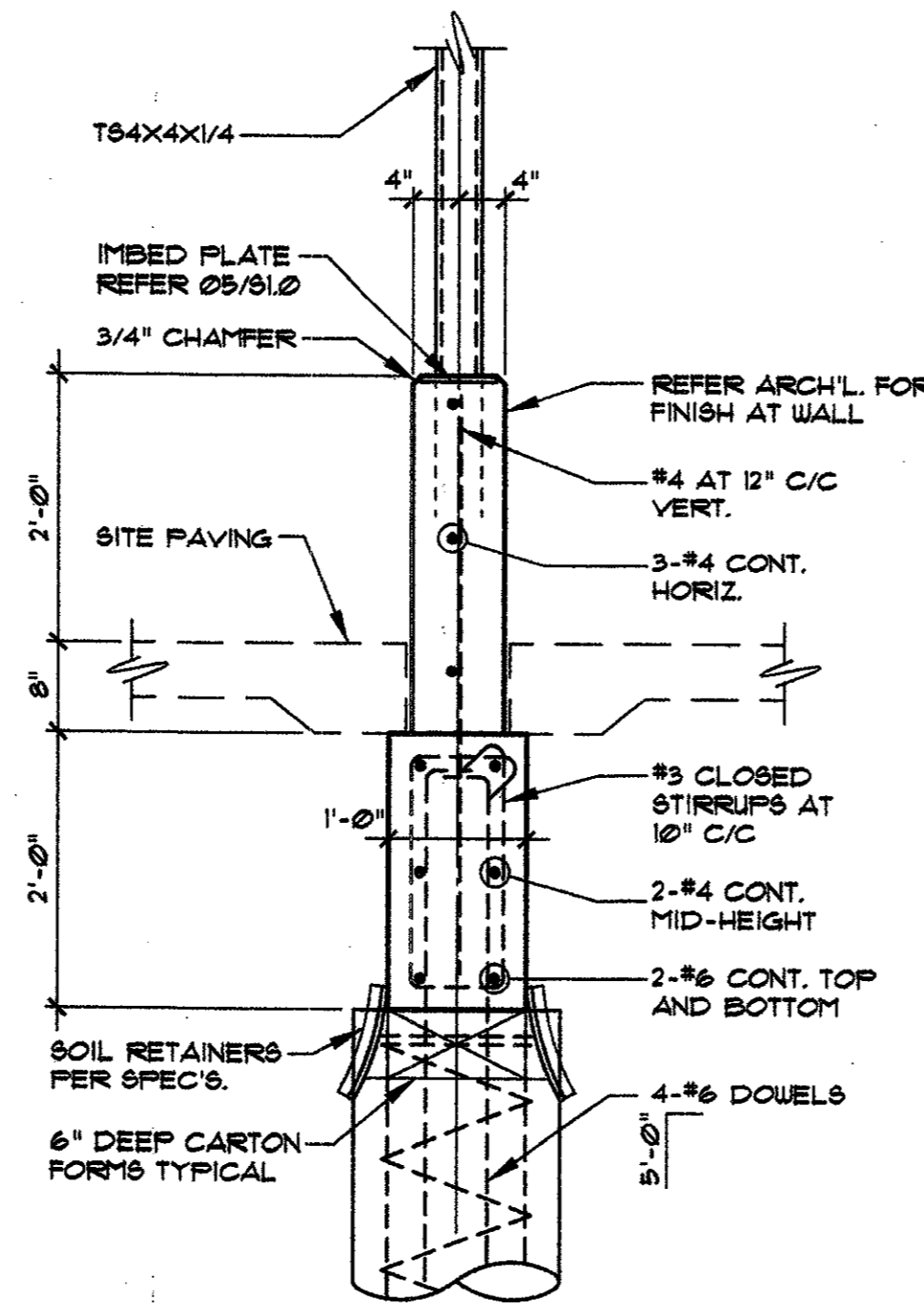
GENERAL NOTES



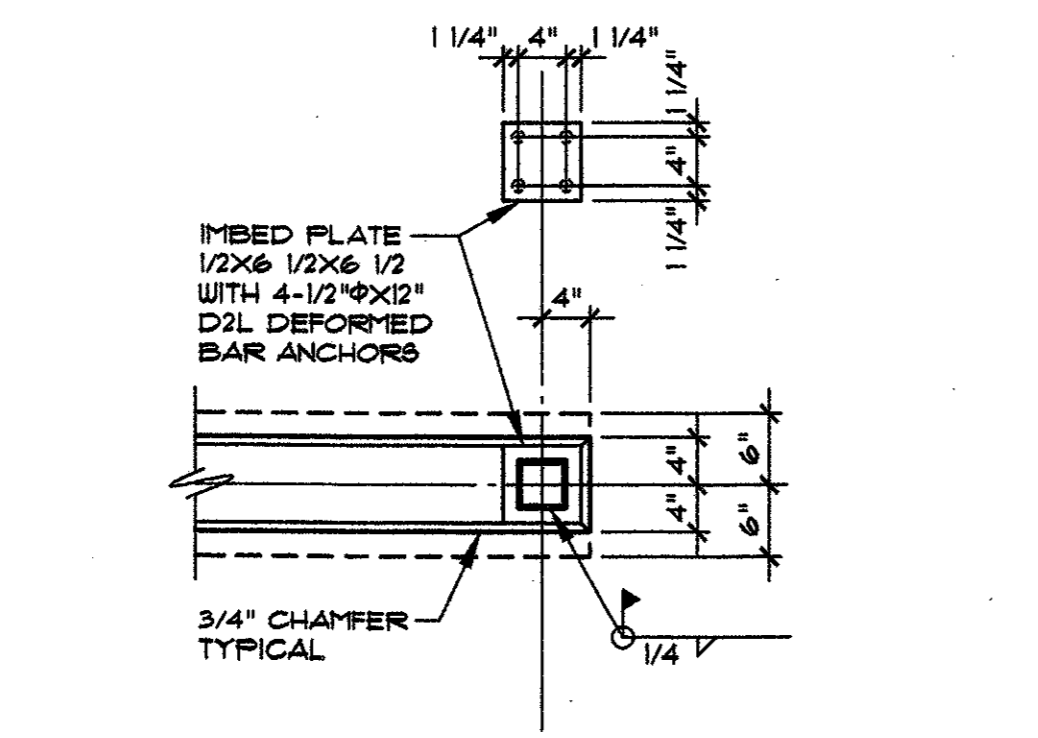
02 TYPICAL DRILLED PIER
NOT TO SCALE



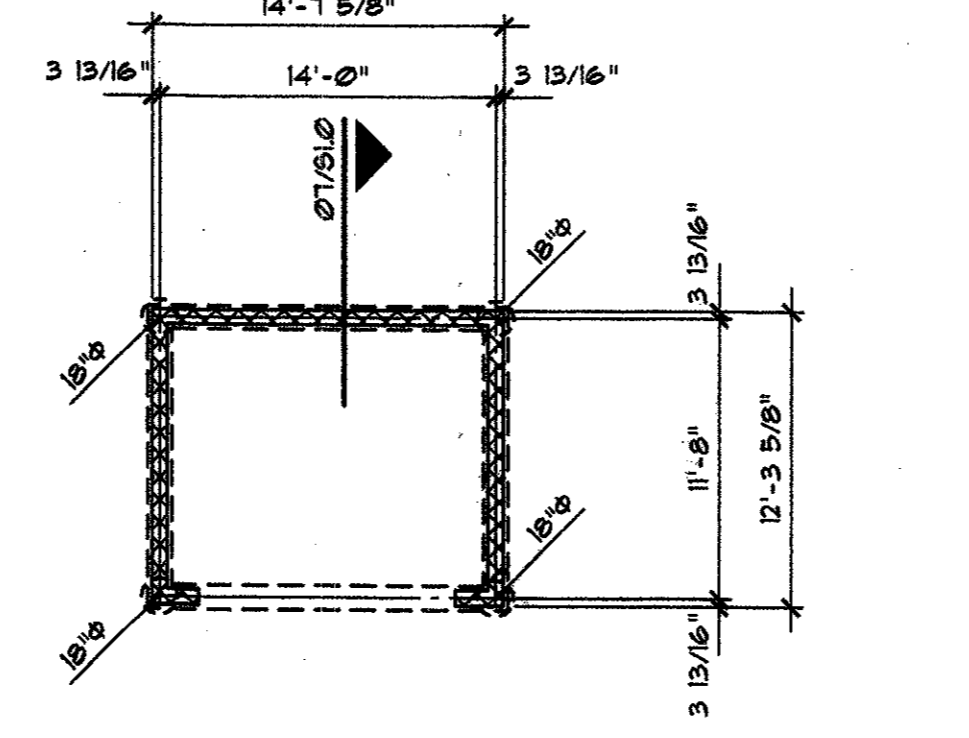
03 SECTION
3/4"=1'-0"



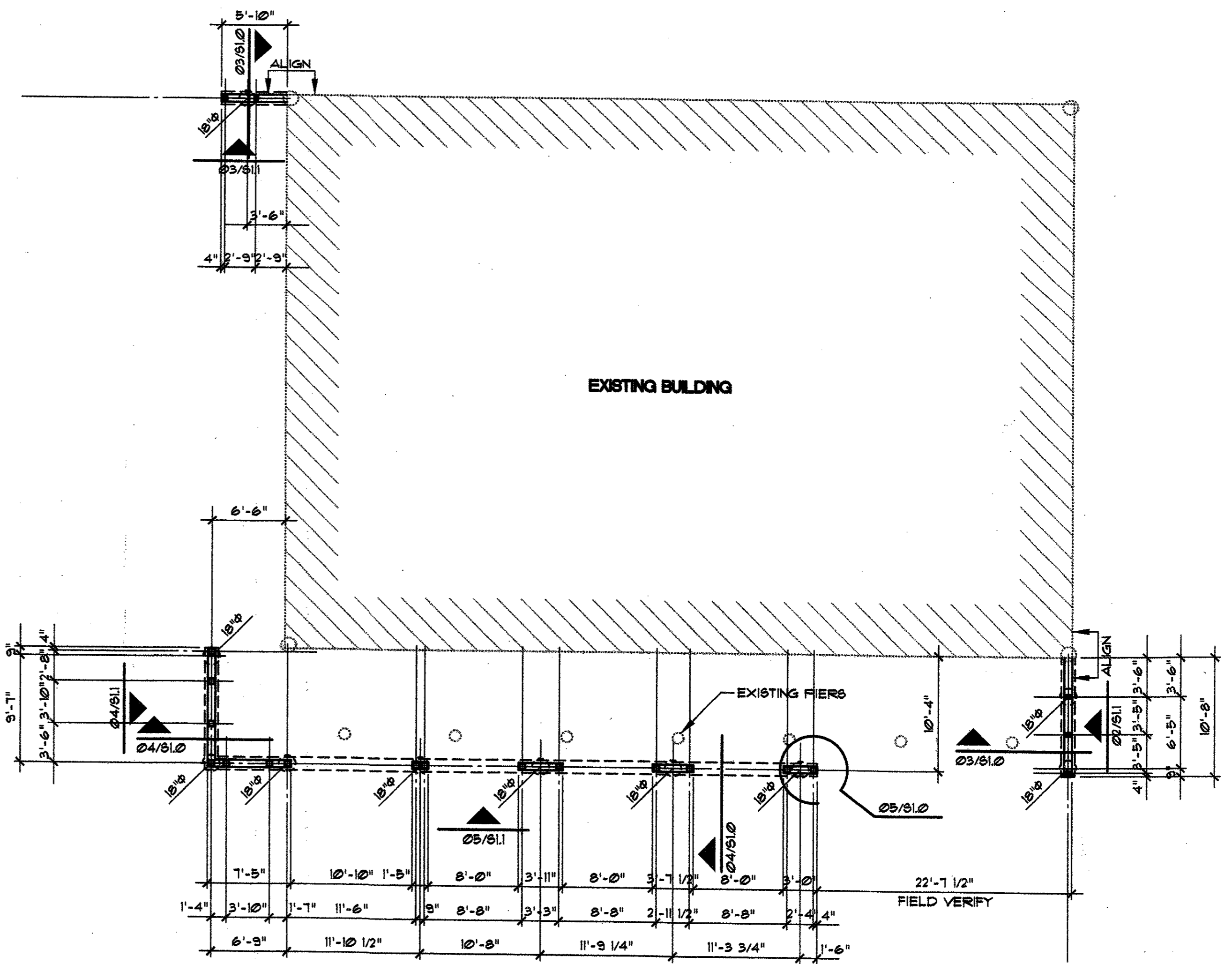
04 SECTION
3/4"=1'-0"



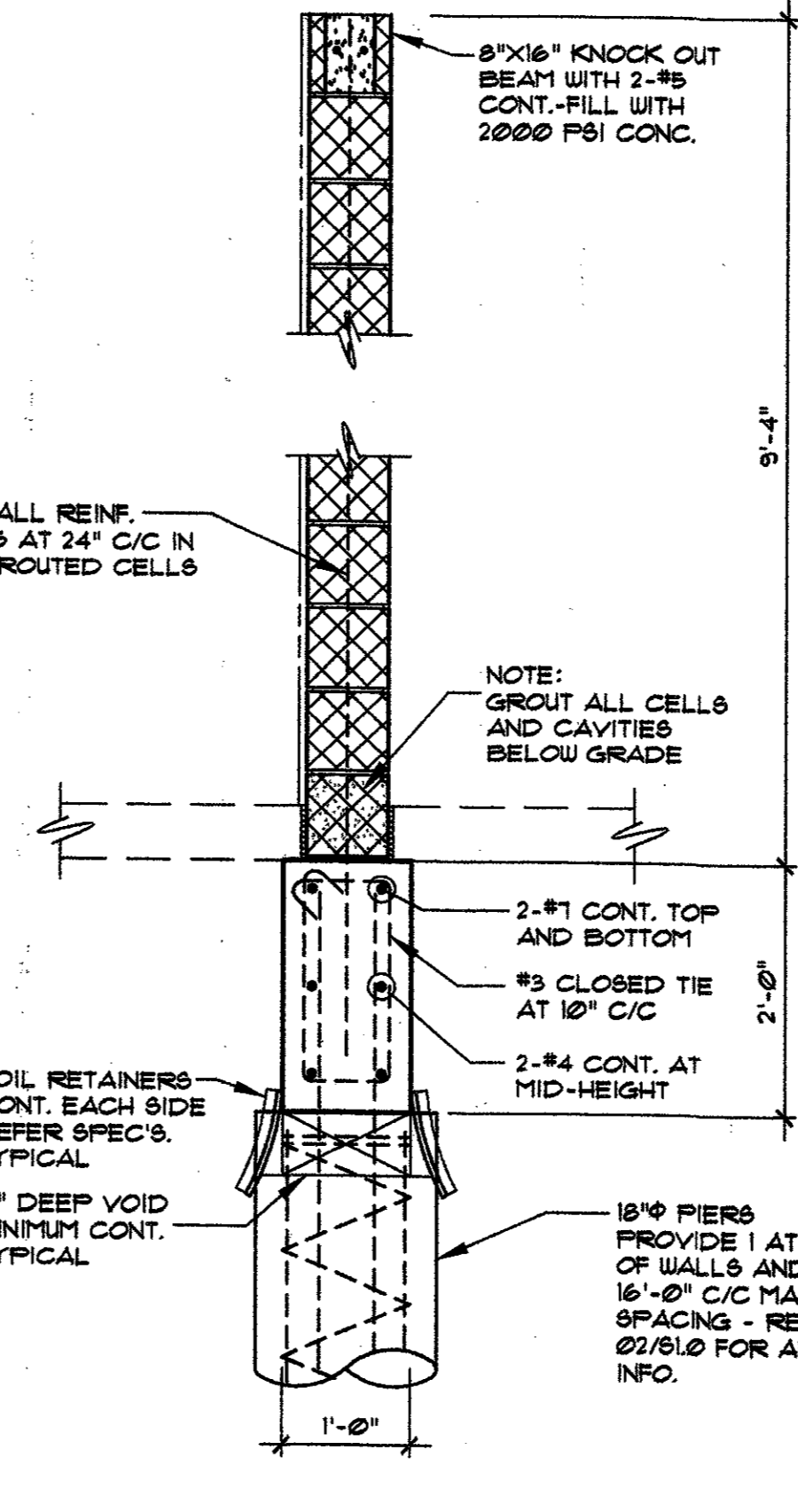
05 PLAN DETAIL
3/4"=1'-0"



06 DUMPSTER FOUNDATION PLAN
1/8"=1'-0"



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



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

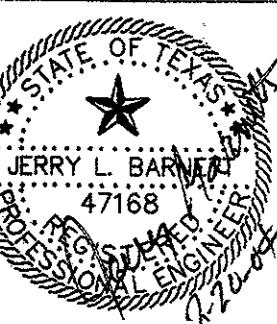
BAR SIZE	LAP REQUIRED BARS @ CENTER OF WALL	LAP REQUIRED BARS OFFSET
# 3	13"	13"
# 4	25"	25"
# 5	31"	36"
# 6	57"	75"
# 7	75"	104"
# 8	112"	149"

* WHEN LAP SPLICE EXCEEDS 4'-0" THE LIFT MAY BE INCREASED TO 4 COURSE DEPTH THAT COVERS THE SPLICE. HOWEVER, GROUTING LIMITATIONS PER BUILDING CODE SHALL BE FOLLOWED, INCLUDING CLEANOUTS FOR GROUT POURS OVER 5'-0" IN HEIGHT.

08 TYP. CMU WALL REIN. LAP SPLICE
NOT TO SCALE

TMBP
CONSULTING ENGINEERS INC.
2301 N. AKARD ST. SUITE 405
DALLAS, TEXAS 75201
(214) 871-2302 (214) 871-8716 FAX

PEI W E I
4801 BELTLINE ROAD
ADDISON, TEXAS



BERNBAUM
MAGADINI
4508 McKinney Avenue
#103, Dallas, TX 75205
Telephone 214.218.6500
Fax 214.651.5596

REVISION
JOB NUMBER 03104
DATE 02.20.04
SHEET NUMBER S1.0