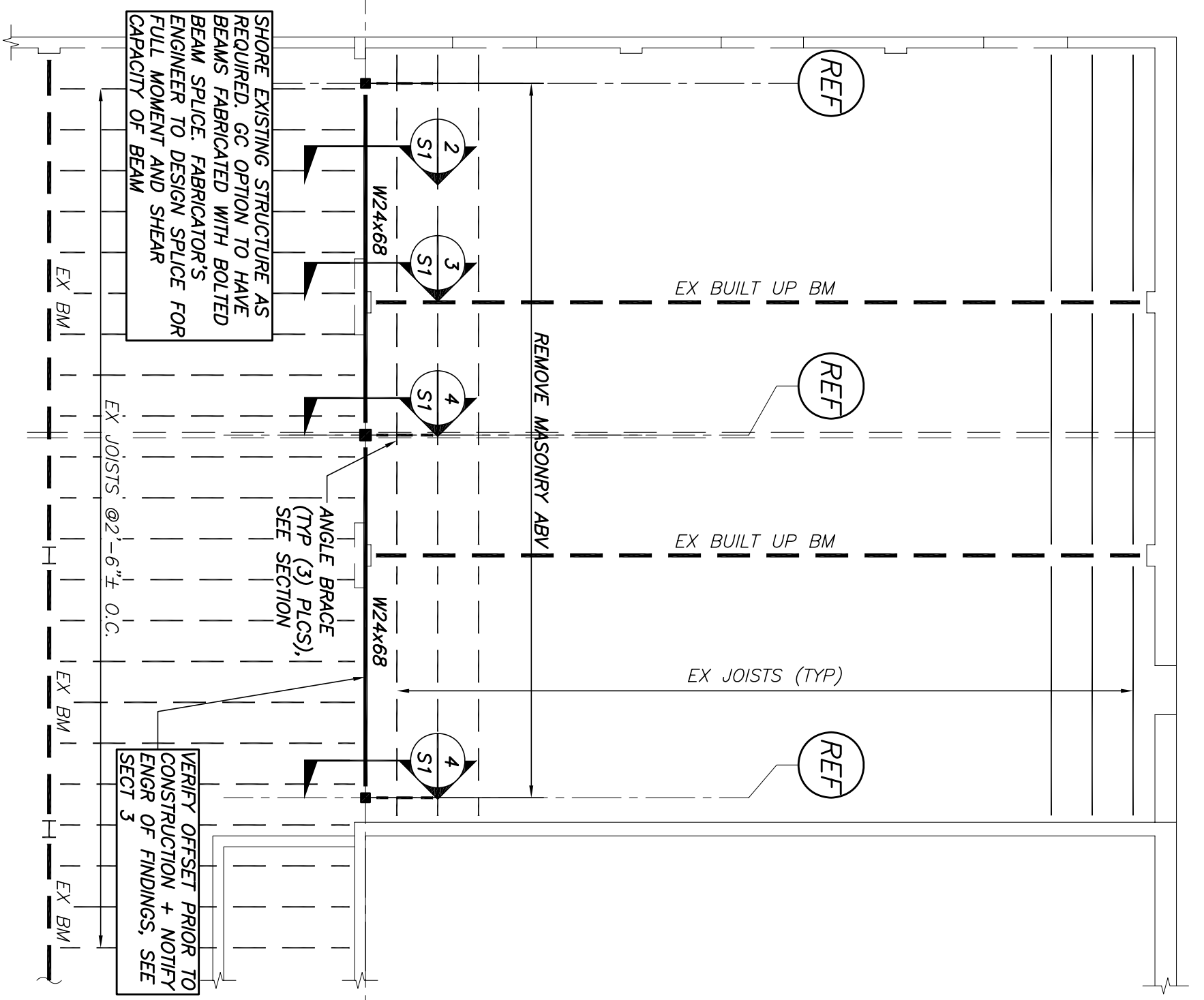
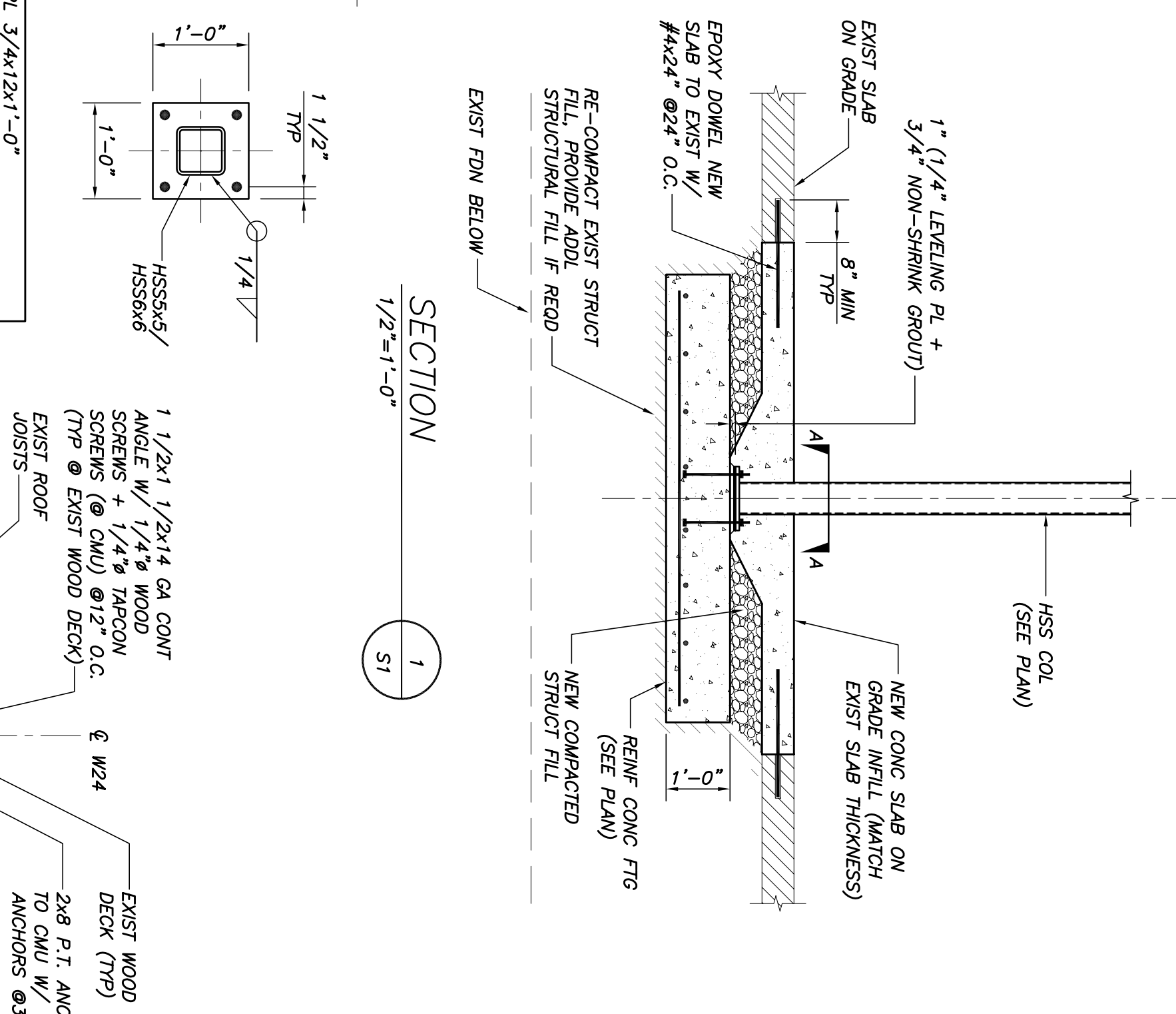


FOUNDATION PLAN  
N.T.S.

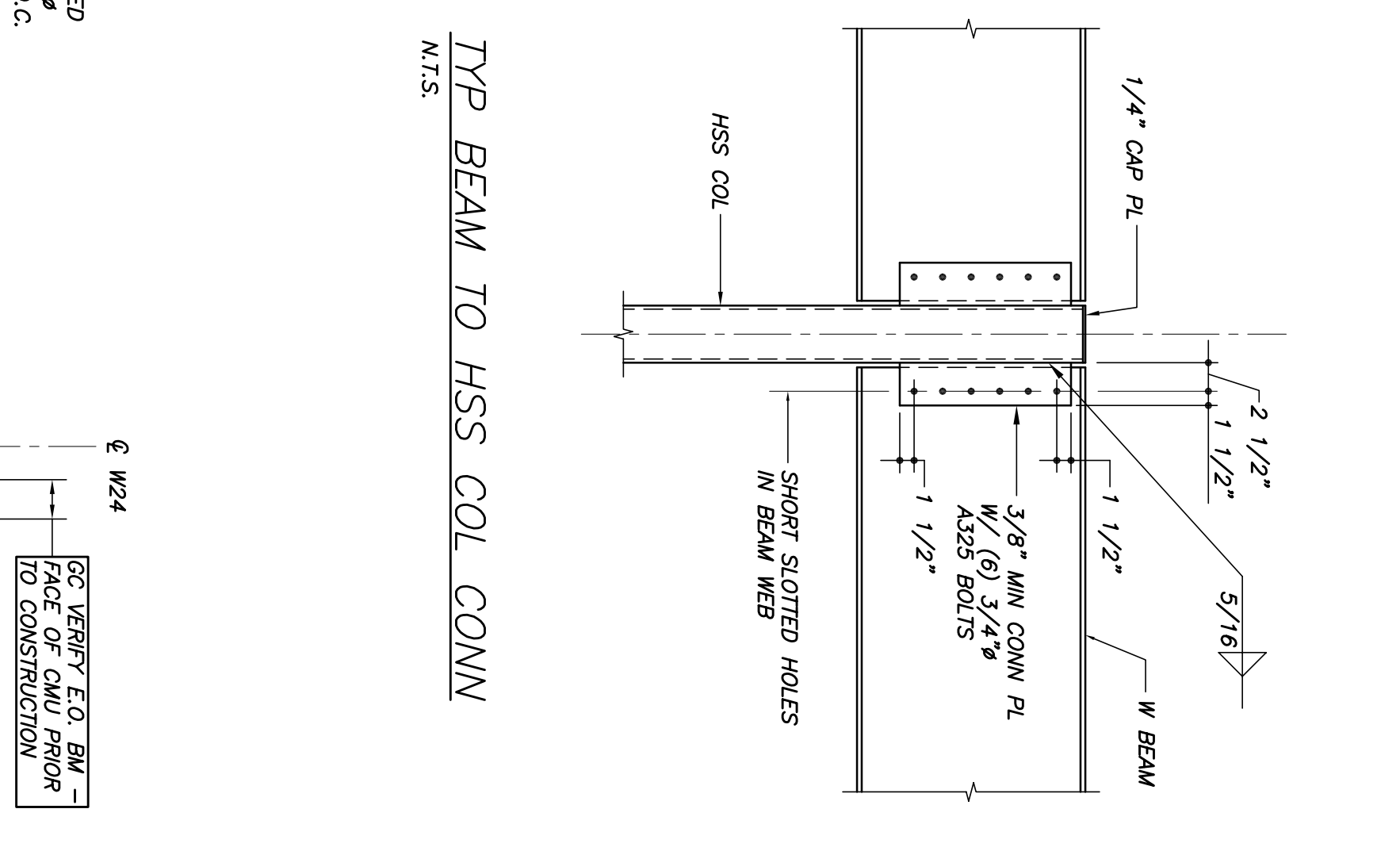


ROOF FRAMING PLAN  
N.T.S.

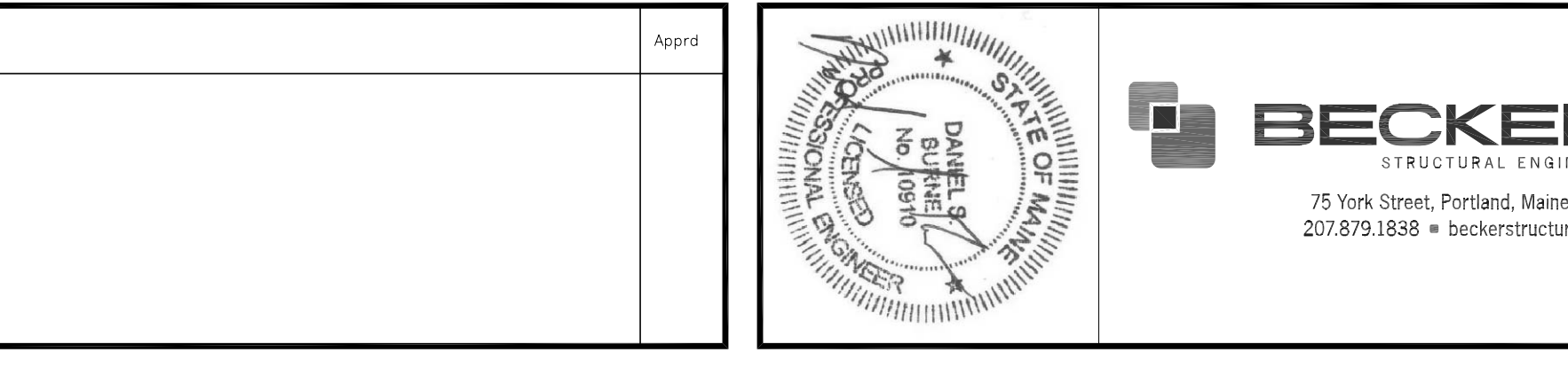
SECTION A-A



SECTION 1



SECTION 2



SECTION 3



**GENERAL NOTES**

- THE FOLLOWING NOTES ARE INTENDED TO BE USED AS OUTLINED SPECIFICATIONS FOR THIS PROJECT. THE REFERENCED STANDARDS ARE CONSIDERED TO BE PART OF THE WORK.
- STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ANY MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS. CONSULT THESE DRAWINGS FOR LOCATIONS AND DIMENSIONS OF OPENINGS, SLEEVES, AND OTHER DETAILS NOT SHOWN ON STRUCTURAL DRAWINGS.
- ALL DIMENSIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD, ANY BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK.
- THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE ONLY AFTER COMPLETION. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCING TO ENSURE THE SAFETY OF THE OPERATION OF NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUSERS OR TIEDOWNS. SUCH MATERIAL SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER COMPLETION OF THE PROJECT.
- SECTIONS AND DETAILS SHOWN ON ANY STRUCTURAL DRAWINGS SHALL BE CONSIDERED TYPICAL FOR SIMILAR CONDITIONS AS DETERMINED BY THE ENGINEER.
- ALL APPLICABLE FEDERAL, STATE AND MUNICIPAL REGULATIONS SHALL BE FOLLOWED, INCLUDING THE FEDERAL DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA).

**CONCRETE NOTES**

- CONCRETE WORK SHALL CONFORM TO "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318 LATEST)", AND "SPECIFICATIONS FOR STRUCTURAL CONCRETE (ACI 301-LATEST)". THESE PUBLICATIONS ARE AVAILABLE THROUGH THE AMERICAN CONCRETE INSTITUTE (248) 848-3800.
- CONCRETE SHALL BE CONTROLLED CONCRETE PROPORTIONED, MIXED, AND PLACED IN ACCORDANCE WITH THE PROVISIONS SET FORTH IN ACI 318-LATEST.
- CONCRETE MIX DESIGN:
  - STRENGTH: 3000 PSI @ 28 DAYS
  - W/C RATIO: 0.55 MAX
  - EXTRAINED AIR: 5% TO 7%
  - SUMP: 4" MAX

**CONCRETE NOTES (CONT)**

- ANCHOR ROODS SHALL BE 3/4" DIAMETER HEADED ROODS GRADE 58 KSI WELDABLE STEEL, UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- ALL GROUP BENEATH BASE PLATES & BEARING PLATES SHALL BE "5-S" STAR 5000 PSI NON-SHRINK GROUT BY U.S. GROUT CORP. OR APPROVED EQUAL.
- INSTALLATION OF REINFORCING SHALL BE COMPLETE AT LEAST 24 HOURS PRIOR TO THE SCHEDULED CONCRETE PLACEMENT. NOTIFY STRUCTURAL ENGINEER OF COMPLETION AT LEAST 24 HOURS PRIOR TO THE SCHEDULED COMPLETION OF THE INSTALLATION OF REINFORCEMENT.

**STRUCTURAL STEEL NOTES**

- STRUCTURAL STEEL FABRICATION, ERECTION, AND CONNECTION DESIGN SHALL CONFORM TO AISC "SPECIFICATION FOR THE DESIGN FABRICATIONS, AND ERECTION OF STRUCTURAL STEEL" 13TH EDITION, AND THE "CODE OF STANDARD PRACTICE", LATEST EDITION.
- STRUCTURAL STEEL: STEEL PLATES, SHAPES, AND BARS, SHALL CONFORM TO ASTM A36 UNLESS NOTED OTHERWISE (U.N.O.). STRUCTURAL STEEL SHAPES DESIGNATED ON THE DRAWINGS FOR WIDE-FLANGE SECTIONS: ASTM A992 (ASTM A572 GRADE 50 WITH SPECIAL REQUIREMENTS PER AISC TECHNICAL BULLETIN #3 DATED MARCH, 1997), U.N.O.
- STRUCTURAL TUBES: CONFORM TO ASTM A500 GRADE B, 46 KSI, U.N.O.
- FIELD CONNECTIONS SHALL BE BOLTED USING 3/4" DIAMETER ASTM A325N HIGH STRENGTH BOLTS (U.N.O.) EXCEPT WHERE SLIP CRITICAL CONNECTIONS ARE REQUIRED AS NOTED BY A325 (SC) ON THE DRAWINGS.
- WHERE WELDING IS INDICATED, ALL WELDING SHALL CONFORM TO AWS D1.1-LATEST EDITION. ELECTRODES SHALL CONFORM TO AWS A5.1 E70XX SERIES WITH PROPER ROD TO PRODUCE OPTIMUM WELD (LOW HYDROGEN).
- ALL STEEL SHALL BE FABRICATED AND SHIPPED AS PRIMED AND PAINTED STEEL. CLEANING PER SSPC SP #10 NEAR WHITE METAL BLAST CLEAN. ABRASIVE BLAST CLEANED SURFACES SHALL EXHIBIT A UNIFORM, ANGULAR PROFILE OF 1.5-3.0 MILS. CLEANED SURFACES SHALL BE PRIMER WITHIN (8) HOURS OF CLEANING AND PRIOR TO ANY SURFACE RUSTING. PRIMER SHALL BE ONE FULL COAT THENEC SERIES 90-107 ZINC RICH PRIMER APPLIED AT 2.5-3.5 MILS DFT. TOP COATS SHALL BE ONE FULL COAT THENEC SERIES 90-107 ZINC RICH PRIMER APPLIED AT 2.5-3.5 MILS DFT. IN ALL WELDING AREAS OF FIELD WELDING).
- COAT ALL COLUMNS AND BASEPLATES ENCASED IN CONCRETE OR BELOW GRADE WITH BITUMINOUS MASTIC ON THEMEC H.B. THEMECOL (46-46S) COAT 1# PAINT.

**TESTING**

- OWNER WILL ENGAGE A QUALIFIED TESTING AGENCY TO CONDUCT PERIODIC TESTS TO CONFIRM CONSTRUCTION IS IN CONFORMANCE WITH SPECIFIED PROCEDURES AND SPECIFICATIONS.
- TESTING SHALL INCLUDE:
  - STRUCTURAL STEEL FIELD WELDED CONNECTION
- TEST RESULTS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW WITHIN 72 HOURS OF COMPLETION OF EACH TEST.

**DESIGN LOADS**

- BUILDING CODE: NAME UNIFORM BUILDING AND ENERGY CODE, INTERNATIONAL RESIDENTIAL CODE, 2009 EDITION, ASSE 3-05 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES.
- DESIGN ROOF SNOW LOAD:
  - GROUND SNOW LOAD (Pg): 60 PSF
  - SNOW EXPOSURE FACTOR (Ce): 1.0
  - SNOW LOAD IMPORTANCE FACTOR (Is): 1.0
  - SNOW LOAD THERMAL FACTOR (Ct): 1.1
  - FLAT ROOF SNOW LOAD (Ps): 46 PSF + DRIFT

**CONCRETE MIXING**

- JOB-SITE MIXING OF CONCRETE WILL NOT BE PERMITTED.
- READY-MIX CONCRETE MUST COMPLY WITH THE REQUIREMENTS OF ASTM C94, AND AS SPECIFIED HEREIN. PROVIDE BATCH TICKET FOR EACH BATCH DISCHARGED AND USED IN WORK, INDICATING PROJECT NAME, MIX TYPE, MIX TIME, BATCH QUANTITY, AND EVIDENCES OF INGREDIENTS.

**WATER**

- WATER MAY BE ADDED AT THE PROJECT ONLY IF THE MAXIMUM SPECIFIED WATER-CEMENT RATIO AND SLUMP ARE NOT EXCEEDED. CONTRACTOR SHALL HAVE BATCH TICKET INDICATING WATER AND GEMENT MIXED IN THE PLANT, AND SHALL RECORD THE WATER ADDED AS EVIDENCE THAT THE WATER-CEMENT RATIO IS WITHIN THE SPECIFIED LIMITS.
- ADDITIONAL DOSAGES OF SLIPPER PLASTICIZER SHOULD BE USED WHEN DELAYS OCCUR AND REQUIRED SLUMP HAS NOT BEEN MAINTAINED. A MAXIMUM OF TWO ADDITIONAL DOSAGES ARE PERMITTED PER ACI 212.3R RECOMMENDATIONS.

**REINFORCING BARS**

- REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 60 DEFORMED BARS AND SHALL BE DETAIL, FABRICATED AND PLACED IN ACCORDANCE WITH ACI 315, LATEST EDITION.
- MINIMUM CONCRETE PROTECTIVE COVERING FOR REINFORCEMENT, UNLESS NOTED OTHERWISE, SHALL BE AS FOLLOWS:
  - SURFACES CAST AGAINST AND PERMANENTLY IN CONTACT WITH EARTH, 3.0"
  - FORMED SURFACES IN CONTACT WITH EARTH OF EXPOSED TO WEATHER, #3 THROUGH #11 BARS, 2.0"

**WATER-CEMENT RATIO**

- WATER-CEMENT RATIO AND SLUMP ARE NOT EXCEEDED. CONTRACTOR SHALL HAVE BATCH TICKET INDICATING WATER AND GEMENT MIXED IN THE PLANT, AND SHALL RECORD THE WATER ADDED AS EVIDENCE THAT THE WATER-CEMENT RATIO IS WITHIN THE SPECIFIED LIMITS.
- ADDITIONAL DOSAGES OF SLIPPER PLASTICIZER SHOULD BE USED WHEN DELAYS OCCUR AND REQUIRED SLUMP HAS NOT BEEN MAINTAINED. A MAXIMUM OF TWO ADDITIONAL DOSAGES ARE PERMITTED PER ACI 212.3R RECOMMENDATIONS.

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- TESTING SHALL INCLUDE:
  - STRUCTURAL STEEL FIELD WELDED CONNECTION
- TEST RESULTS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW WITHIN 72 HOURS OF COMPLETION OF EACH TEST.

THIS DRAWING IS AN INSTRUMENT OF SERVICE AND SHALL REMAIN THE PROPERTY OF BECKER STRUCTURAL ENGINEERS. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED ON THE DRAWING. IT IS NOT TO BE REPRODUCED, COPIED, REPRINTED, OR OTHERWISE TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF BECKER STRUCTURAL ENGINEERS. ANY UNAUTHORIZED REPRODUCTION OR USE OF THIS DRAWING SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO BECKER STRUCTURAL ENGINEERS.

Designed: **DSB** AS NOTED  
 Drawn: **CHP** 3/16/11  
 Checked: **Becker Job Number** 2392

**COZY HARBOR SEAFOOD  
HRP ROOM WALL REMOVAL  
PORTLAND, ME**

Rev No: \_\_\_\_\_ Date: \_\_\_\_\_ Issued For: \_\_\_\_\_

Approved: \_\_\_\_\_

**S1**

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