

THE FOLLOWING BUILDING CODES AND STANDARDS SHALL BE REFERENCED DURING CONSTRUCTION:

REFERENCE ARCHITECTURAL PLANS FOR DIMENSIONS NOT SHOWN. REFERENCE MECHANICAL, ELECTRICAL, AND ARCHITECTURAL PLANS FOR SIZES AND LOCATIONS OF WALL AND SLAB OPENINGS, DUCTS, PIPING, CURBS, AND EQUIPMENT PADS.

EXISTING DIMENSIONS AND CONDITIONS ARE FOR REFERENCE ONLY. CONTRACTOR SHALL VERIFY ALL EXISTING CONSTRUCTION AND DIMENSIONS IN THE FIELD PRIOR TO CONSTRUCTION OR FABRICATION.

THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF DEVIATIONS OR CHANGES ARE REQUIRED TO THE CONTRACT DOCUMENTS OR APPROVED SHOP DRAWINGS DUE TO INTERFERENCES, FABRICATION ERRORS, OR OTHER CAUSES.

THE STRUCTURE IS SELF-SUPPORTING AND STABLE AFTER THE ENTIRE BUILDING IS COMPLETELY CONSTRUCTED. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ERECTION PROCEDURES AND SEQUENCING DURING CONSTRUCTION AND ERECTION TO PROVIDE AND ENSURE LOCAL AND OVERALL STABILITY OF THE BUILDING AND ITS COMPONENTS DURING CONSTRUCTION AND ERECTION.

GENERAL NOTES

SCALE: NTS

LIVE LOAD: KITCHEN AREA = 150 PSF ALL OTHER AREAS = 100 PSF

SNOW LOADS: GROUND SNOW LOAD, Pg = 50 PSF SNOW EXPOSURE FACTOR, Ce = 1.0 SNOW LOAD IMPORTANCE FACTOR, I = 1.0 THERMAL FACTOR, Ct = 1.0 FLAT ROOF SNOW LOAD, Pf = 35 PSF + DRIFT

WIND LOADS: BASIC WIND SPEED = 100 MPH IMPORTANCE FACTOR, Iw = 1.0 WIND EXPOSURE B MAIN WINDFORCE-RESISTING SYSTEM (INCLUDES WINDWARD + LEeward) = 15 PSF

SEISMIC CRITERIA: SOIL SITE CLASSIFICATION = D DESIGN SPECTRAL RESPONSE ACCELERATION: Sd0 = .32 Sd1 = .12 SEISMIC USE GROUP I SEISMIC DESIGN CATEGORY B RESPONSE MODIFICATION COEFFICIENT, R = 3.0 OCCUPANCY IMPORTANCE FACTOR, I = 1.0 BASE SHEAR, V = Cs \* W = 0.11 \* W (W = SEISMIC WEIGHT)

DESIGN CRITERIA

SCALE: NTS

ALL CONCRETE WORK, INCLUDING MATERIAL SELECTION, ADMIXTURES, MIXING, AND PLACEMENT OF CONCRETE SHALL BE IN CONFORMANCE WITH APPLICABLE BUILDING CODES. IN ADDITION, REFERENCE THE FOLLOWING CONCRETE STANDARDS AND SPECIFICATIONS:

- ACI 318 AMERICAN CONCRETE INSTITUTE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE
ACI 301 AMERICAN CONCRETE INSTITUTE SPECIFICATIONS FOR STRUCTURAL CONCRETE
ACI 308 STANDARD SPECIFICATION FOR HOT WEATHER CONCRETING
ACI 306 STANDARD SPECIFICATION FOR COLD WEATHER CONCRETING
ACI 308 STANDARD PRACTICE FOR CURING CONCRETE

REQUIRED CONCRETE PARAMETERS ARE AS FOLLOWS:

Table with 4 columns: LOCATION, MAX W/C RATIO, fc, AIR-ENTRAINMENT. Rows include INT. CONC./WALLS/SLABS, FOUNDATIONS, FOOTINGS, & FOUNDATION WALLS, INT. SLAB-ON-GRADE, EXT. SLAB-ON-GRADE.

WHERE: W/C = WATER TO CEMENT RATIO AND fc = COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS

MAXIMUM AGGREGATE SIZE SHALL BE 3/4" IN CONFORMANCE WITH ASTM C33. USE PORTLAND CEMENT TYPE II, IN CONFORMANCE WITH ASTM 150. AIR ENTRAINING ADMIXTURES SHALL CONFORM TO ASTM C 260. ADMIXTURES SHALL CONFORM TO "SPECIFICATION FOR CHEMICAL ADMIXTURES FOR CONCRETE" ASTM C 494.

MAXIMUM SLUMP AFTER THE ADDITION OF A WATER-REDUCING ADMIXTURE IS 8 INCHES.

CONCRETE EXPOSED TO FREEZING AND THAWING, INCLUDING FOUNDATIONS, FOOTINGS, FOUNDATION WALLS, AND EXTERIOR WALKWAYS SHALL BE AIR ENTRAINED WITH AIR CONTENT BETWEEN 5% AND 6%.

CONTRACTOR SHALL SUBMIT PROPOSED CONCRETE MIX DESIGN AND LABORATORY TESTS OF FABRICATED CYLINDERS VERIFYING CONCRETE STRENGTH OR PERFORMANCE HISTORY OF MIX TO ENGINEER FOR ACCEPTANCE PRIOR TO PLACEMENT OF CONCRETE. CONCRETE USED ON SITE SHALL BE FIELD TESTED IN ACCORDANCE WITH AND IN THE PRESENCE OF AN APPROVED TESTING AGENCY.

CONSTRUCTION JOINTS IN WALLS SHALL BE PERMITTED AS DETAILED ON THE STRUCTURAL DRAWINGS. SURFACES OF CONCRETE CONSTRUCTION JOINTS SHALL BE CLEANED AND LAITANCE REMOVED.

WHERE ELECTRICAL CONDUIT/ RADIANT HEATING TUBES RUN IN THE SLAB, THEY SHALL BE LOCATED AT MID-DEPTH OF THE SLAB. ALUMINUM CONDUIT AND SLEEVES ARE NOT PERMITTED.

ANCHOR BOLTS SHALL CONFORM TO ASTM A307. ANCHOR BOLTS SHALL HAVE HEAVY HEX NUTS AND LOCK WASHERS.

CONCRETE NOTES

SCALE: NTS

USE DEFORMED BILLET-STEEL REINFORCING BARS, GRADE 60, IN CONFORMANCE WITH ASTM A615. REINFORCEMENT SHALL BE ACCURATELY PLACED AND SUPPORTED PRIOR TO CONCRETE PLACEMENT, AND SHALL BE SECURED AGAINST DISPLACEMENT.

THE CONTRACTOR SHALL SUBMIT REINFORCING SHOP DRAWINGS TO THE ENGINEER FOR REVIEW AND ACCEPTANCE PRIOR TO COMMENCING FABRICATION. REINFORCEMENT SHALL BE DETAILED IN ACCORDANCE WITH ACI "MANUAL OF STANDARD PRACTICE FOR DETAILING OF REINFORCED CONCRETE STRUCTURES". SHOP DRAWINGS SHALL SHOW REINFORCING STEEL PLACEMENT DETAILS AND SECTIONS.

Table with 2 columns: MINIMUM CONCRETE COVER FOR REINFORCEMENT, COVER TYPE. Rows include CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH, CONCRETE EXPOSED TO EARTH OR WEATHER, CONCRETE NOT EXPOSED TO EARTH OR WEATHER IN SLABS AND WALLS, CONCRETE NOT EXPOSED TO EARTH OF WEATHER IN COLUMNS AND BEAMS.

CONTINUOUS REINFORCEMENT SHALL BE TENSION LAP SPLICED PER LAP SPLICE LENGTH TABLE, U.N.O.

LAP SPLICE LENGTH TABLE with columns: BAR SIZE, #3, #4, #5, #6, #7, #8, #9 and rows: MIN LAP SPLICE (INCHES) for various bar sizes.

REINFORCEMENT HOOKS SHALL CONFORM TO STANDARD HOOKS ACCORDING TO ACI 318. WELDING OF REINFORCEMENT IS NOT PERMITTED, U.N.O.

CONCRETE REINFORCING NOTES

SCALE: NTS

SUBGRADE PREPARATION AND DETERMINATION (INCLUDING ALLOWABLE BEARING PRESSURE, STRUCTURAL FILL GRADATION REQUIREMENTS, COMPACTION REQUIREMENTS AND POST-CONSTRUCTION SETTLEMENT ANALYSIS) BENEATH FOOTINGS AND SLABS-ON-GRADE AND BEHIND FOUNDATION WALLS SHALL BE PROVIDED BY A GEOTECHNICAL ENGINEER.

PRESUMED ALLOWABLE SOIL BEARING PRESSURE USED IN DESIGN = 2,000 PSF. BEARING CAPACITIES SHALL BE VERIFIED BY GEOTECHNICAL ENGINEER. MINIMUM FROST DEPTH COVER = 4'-6" FOR EXTERIOR FOOTINGS BELOW FINAL EXTERIOR GRADE.

FOUNDATIONS SHALL BEAR ON UNDISTURBED NATIVE SOIL, UNLESS NOTED OTHERWISE. BEARING ELEVATIONS SHALL BE LOWERED WHERE SUITABLE SOILS ARE NOT ENCOUNTERED. WHERE OVEREXCAVATION HAS OCCURRED, CONTRACTOR MAY PLACE LEAN CONCRETE ON TOP OF NATIVE SOIL.

FOUNDATION WALLS SHALL BE BACKFILLED SIMULTANEOUSLY ON BOTH SIDES OF THE WALL. FOUNDATION WALLS AND SLAB-ON-GRADES SHALL REACH THEIR FULL 28 DAY COMPRESSIVE STRENGTH PRIOR TO BACKFILLING.

PROTECT FOUNDATIONS FROM FROST AND KEEP BOTTOM OF TRENCH DRY DURING CONSTRUCTION. IF GROUNDWATER IS ENCOUNTERED NEAR OR ABOVE THE BASE OF THE FOOTINGS, EXCAVATIONS SHALL BE DEWATERED DURING CONSTRUCTION.

CONTRACTOR SHALL BE RESPONSIBLE FOR THE SHORING AND BRACING OF EXISTING STRUCTURES DURING EXCAVATION, BACKFILLING, AND CONSTRUCTION. CONTRACTOR SHALL SLOPE EXCAVATIONS TO ACHIEVE SOIL STABILITY.

FOUNDATION NOTES

SCALE: NTS

ALL LUMBER SHALL BE VISUALLY GRADED AND STAMPED WITH GRADE DESIGNATION, SPECIES, AND ADDITIONAL INSPECTION INFORMATION, U.N.O.

CARE SHALL BE TAKEN TO PROTECT TIMBER FROM WEATHER AND DAMPNESS. DO NOT STACK IN SUCH A WAY AS TO CAUSE WARPING OR PREVENT ADEQUATE AIR CIRCULATION.

WOOD GRADES AND SPECIES: 1. SPRUCE-PINE-FIR, No.1/No.2 OR BETTER FOR TYPICAL LUMBER (JOISTS, WALLS, ETC) U.N.O. 2. USE SOUTHERN YELLOW PINE FOR EXTERIOR EXPOSURE APPLICATIONS AND WHERE SHOWN ON DRAWINGS AS PRESERVATIVE TREATED LUMBER (PT OR PPT).

A. LVL PROPERTIES: Fb = 3100 PSI Fc = 2510 PSI (PARALLEL TO GRAIN) Fv = 285 PSI Fc = 750 PSI (PERPENDICULAR TO GRAIN) Ft = 1555 PSI E = 2,000,000 PSI

STRUCTURAL LUMBER SHALL HAVE A MAXIMUM MOISTURE CONTENT OF 19%. PROVIDE PRESSURE TREATED OR WOLVANIZED LUMBER FOR ALL LUMBER IN CONTACT WITH MASONRY OR CONCRETE.

NOMINAL SIZES ARE TYPICALLY REFERENCED ON THE DRAWINGS. PROVIDE ACTUAL SIZES AS SET FORTH IN U.S. DEPARTMENT OF COMMERCE VOLUNTARY PRODUCT STANDARD PS20-99.

ALL PLYWOOD SHALL BE APA RATED CDX SHEATHING: 1. USE 3/4" PLYWOOD WALL SHEATHING. ATTACH PLYWOOD WITH LONG SIDE PERPENDICULAR TO WALL STUDS. STAGGER PANEL ENDS AND BLOCK ALL PANEL EDGES.

PROVIDE FULL DEPTH BLOCKING AT ENDS AND INTERIOR SUPPORTS OF ALL JOISTS AND RAFTERS WHERE JOISTS AND RAFTERS FRAME OVER SUPPORTS. PROVIDE 1x3 DIAGONAL BRIDGING OR FULL DEPTH SOLID BLOCKING FOR EACH 8'-0" OF SPAN FOR ALL JOISTS AND RAFTERS.

WHERE BEAMS ARE LABELED ON PLAN, DO NOT SPLICE BEAM NOR ANY PLY OF BEAM BETWEEN SUPPORTS.

FASTENERS SHALL COMPLY WITH RECOMMENDED FASTENING SCHEDULE OF REFERENCED BUILDING CODE, U.N.O. ON DRAWINGS. SPIKE TOGETHER ALL FRAMING MEMBERS WHICH ARE BUILT-UP USING A MINIMUM OF 2-ROWS OF 16d NAILS AT 12" O.C. STAGGERED, UNLESS OTHERWISE NOTED IN BOCA OR ON THE DRAWINGS.

ALIGN COLUMNS SUCH THAT COLUMNS BEAR CONTINUOUSLY TO FOUNDATION SUPPORT.

PROVIDE HORIZONTAL BLOCKING FOR ALL LOAD BEARING WALLS AT 4'-0" O.C. VERTICAL, MAXIMUM.

SUBMIT SHOP DRAWINGS FOR ALL PREFABRICATED WOOD JOISTS AND WALL PANELS TO ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION.

WOOD NOTES

SCALE: NTS

ALL STRUCTURAL STEEL WORK SHALL CONFORM TO:

AISC AMERICAN INSTITUTE OF STEEL CONSTRUCTION, MANUAL OF STEEL CONSTRUCTION, NINTH EDITION AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES

STRUCTURAL STEEL MEMBERS SHALL BE IN CONFORMANCE WITH THE FOLLOWING: ALL STEEL, U.N.O. ANGLES, PLATES STRUCTURAL TUBING STEEL PIPE

SHOP DRAWINGS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW PRIOR TO COMMENCING FABRICATION.

- SHOP DRAWINGS SUBMITTALS SHALL INCLUDE: 1. CERTIFIED MILL TEST REPORTS OF STRUCTURAL STEEL (INCLUDING NAMES AND LOCATIONS OF MILLS AND SHOPS) 2. CERTIFIED MILL TEST REPORTS OF BOLTS, NUTS AND WASHERS (INCLUDING NAMES AND LOCATIONS OF MILLS AND SHOPS) 3. STRUCTURAL STEEL FABRICATION AND ERECTION DRAWINGS WHICH INCLUDE BOLTED CONNECTIONS (SHOP AND FIELD) AND WELDED CONNECTIONS (SHOP AND FIELD) DEPICTING AWS WELDING SYMBOLS. 4. METAL DECK SHOP DRAWINGS DEPICTING SHEAR STUD LAYOUT ON BEAMS AND GIRDERS.

- OWNER SHALL RETAIN A QUALIFIED TESTING AGENCY TO PERFORM AND VERIFY THE FOLLOWING: 1. VISUAL INSPECTION OF ALL WELDS. 2. ULTRASONIC TESTING, IN ACCORDANCE WITH ASTM E-164, ON 100% OF ALL FIELD FULL PENETRATION WELDS. 3. PROVIDE RANDOM VERIFICATION VIA ULTRASONIC TESTING OF SHOP FULL PENETRATION WELDS. 4. FIELD BOLTED CONNECTIONS, INCLUDING VERIFICATION OF BOLT GRADES. 5. SHEAR STUD QUANTITY, PROPER INSTALLATION, SIZE, AND SPACING. SHEAR STUDS SHALL CONFORM TO AWS D1.1.

- BOLTED CONNECTIONS: 1. FIELD CONNECTIONS SHALL UTILIZE MINIMUM 3/4" DIAMETER A325 HIGH STRENGTH BOLTS, U.N.O. BOLTED CONNECTION SHALL BE SLIP CRITICAL (SC) AT ALL MOMENT FRAMES, BRACED FRAMES, AND AT ADDITIONAL LOCATIONS INDICATED IN THE DRAWINGS. 2. HIGH STRENGTH BOLTS SHALL BE INSTALLED AND TIGHTENED PER AISC SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 BOLTS. 3. ANCHOR BOLTS SHALL CONFORM TO ASTM F1554, GRADE 36, STANDARD HEX HEAD FURNISHED WITH HEAVY HEX NUTS AND LOCK WASHERS. 4. CONTRACTOR SHALL DESIGN CONNECTIONS NOT ALREADY DETAILED ON STRUCTURAL DRAWINGS. DESIGN SHALL BE STAMPED BY A LICENSED STRUCTURAL ENGINEER AND SUBMITTED PRIOR TO COMMENCING FABRICATION.

- WELDED CONNECTIONS: 1. WELDING SHALL CONFORM TO AWS D1.1. USE LOW-HYDROGEN SMAW ELECTRODES WITH MINIMUM TENSILE STRENGTH OF 70 KSI.

- STRUCTURAL STEEL SHALL RECEIVE THE FOLLOWING PROTECTIVE COATINGS: 1. DO NOT PAINT SURFACES TO RECEIVE METAL DECK AND/OR SHEAR CONNECTORS FASTENED BY WELDING, CONTACT SURFACES OF HIGH STRENGTH BOLTED CONNECTIONS, FINISHED BEARING SURFACES, AND SURFACES TO BE WELDED IN THE FIELD, IF REQUIRED, PROTECT THESE SURFACES BY RUST-INHIBITING COATING THAT CAN BE REMOVED EASILY PRIOR TO ERECTION. 2. UNEXPOSED STRUCTURAL STEEL SHALL BE CLEANED IN ACCORDANCE WITH SSPC-SP3 AND PAINTED WITH PRIMER PAINT, TNEVEC 10-99, OR EQUIVALENT, U.N.O. 3. EXPOSED STRUCTURAL STEEL TO RECEIVE ZINC-RICH EPOXY PAINT SHALL BE FIRST CLEANED IN ACCORDANCE WITH SSPC-SP8, COMMERCIAL BLAST CLEANING. USE TNEVEC ZN-RICH EPOXY PAINT, OR EQUIVALENT. APPLY FINISH COAT PER ARCHITECT. 4. EXPOSED STRUCTURAL STEEL TO BE HOT-DIPPED GALVANIZED SHALL BE IN ACCORDANCE WITH ASTM A123.

- SHEAR CONNECTOR STUDS: 1. SHEAR CONNECTOR STUDS SHALL BE NELSON, OR EQUIVALENT, 3/4" DIAMETER, U.N.O.. WELD STUDS PER STUD MANUFACTURER'S RECOMMENDATIONS THROUGH METAL DECKING. STUD LENGTH SHALL BE 1" BELOW TOP OF CONCRETE SLAB-ON-DECK. 2. SHEAR STUDS, WHERE REQUIRED, ARE INDICATED ON THE DRAWINGS AS [XX], WHERE XX IS THE NUMBER OF STUDS EQUALLY SPACED BETWEEN SUPPORTS ON A BEAM OR GIRDER.

STRUCTURAL STEEL NOTES

SCALE: NTS

REFERENCE THE FOLLOWING STANDARD SPECIFICATIONS FROM THE LATEST EDITION OF THE STEEL JOIST INSTITUTE: SPECIFICATIONS FOR OPEN WEB STEEL JOISTS, K-SERIES SPECIFICATIONS FOR LONGSPAN STEEL JOISTS, LH-SERIES AND DEEP LONGSPAN STEEL JOISTS, DLH-SERIES SPECIFICATIONS FOR JOIST GIRDERS RECOMMENDED CODE OF STANDARD PRACTICE FOR STEEL JOISTS AND JOIST GIRDERS

STEEL JOIST MANUFACTURER SHALL BE A MEMBER OF THE STEEL JOIST INSTITUTE. STEEL USED FOR THE FABRICATION OF STEEL JOISTS, BRIDGING, AND MISCELLANEOUS SHALL CONFORM TO ASTM A36 OR ASTM A572, GRADE 50 WITH PROVISIONS FROM AISC TECHNICAL BULLETIN NO. 3. U.N.O., A SHOP COAT OF GREY PAINT SHALL COMPLY WITH THE APPLICABLE STEEL JOIST INSTITUTE SPECIFICATION OF LATEST ADOPTION.

STEEL JOISTS SHALL BE DESIGNED AND FABRICATED IN ACCORDANCE WITH THE PARAMETERS OUTLINED IN THE STRUCTURAL DRAWINGS INCLUDING SIZE, SPACING AND LOADING FOR THE STEEL JOISTS. IN ADDITION, STEEL ROOF JOISTS SHALL BE DESIGNED FOR A NET WIND UPLIFT OF XXX PSF. FASTEN ENDS OF ALL JOISTS TO SUPPORTING MEMBERS IN ACCORDANCE WITH THE JOIST MANUFACTURER'S RECOMMENDATIONS, UNVO BY STRUCTURAL DRAWINGS.

CONTRACTOR SHALL SUBMIT STEEL JOIST SHOP DRAWINGS FOR REVIEW BY THE ENGINEER OF RECORD PRIOR TO CONSTRUCTION. SHOP DRAWINGS SHALL SHOW ALL JOIST AND BRIDGING SIZES, DIMENSIONS AND LAYOUT IN ADDITION TO SUPPORT DETAILS AND BRIDGING CONNECTIONS. SHOP DRAWINGS SHALL INDICATE DEAD, LIVE, AND SPECIAL LOADING CONDITIONS ALONG WITH CAMBER REQUIREMENTS ON ERECTION DRAWINGS. CONTRACTOR SHALL ALSO SUBMIT STAMPED CALCULATIONS FOR STEEL JOIST DESIGNS DEPICTING EACH APPLICABLE LOADING CONDITION AS INDICATED ON THE STRUCTURAL DRAWINGS.

STEEL JOISTS MANUFACTURER SHALL SUBMIT DESIGN DATA TO THE STEEL JOIST INSTITUTE, OR DESIGNATED AGENCY BY THE STEEL JOIST INSTITUTE, FOR VERIFICATION OF COMPLIANCE WITH THE STEEL JOIST INSTITUTE REGULATIONS AND SPECIFICATIONS. MANUFACTURER SHALL VERIFY THROUGH PERIODIC IN-PLANT INSPECTIONS, PER SPECIFICATIONS, THAT ALL MATERIALS MEET SPECIFICATION REQUIREMENTS.

FOR CONCENTRATED LOADS BETWEEN PANEL POINTS, INSTALL MINIMUM WEB MEMBER L2x2x1/4 FROM LOCATION OF CONCENTRATED LOAD TO PANEL POINT ON OPPOSITE CHORD. USE 3/8" FILLET WELD WITH 3" MINIMUM LENGTH.

STEEL JOIST NOTES

SCALE: NTS

Table of abbreviations with columns: Abbreviation, Description, and Notes. Includes entries for ANCHOR BOLT, BOTTOM OF FOOTING, STRUCTURAL STEEL CHANNEL, DIAMETER, etc.

ABBREVIATIONS

SCALE: NTS

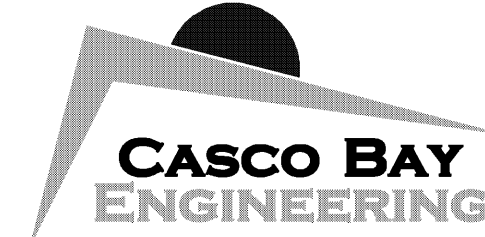
Table with 3 columns: Abbreviation, Description, and Symbol. Includes entries for SLOPE DESIGNATION, ELEVATION MARK, ROOF PITCH, SPAN DIRECTION, SECTION MARK, UNDISTURBED EARTH, LEDGE, COMPACTED STRUCTURAL FILL, CONCRETE, GROUT, BRICK, CMU.

Table for REVISIONS with columns: No., DATE, ISSUE FOR BID, ISSUE. Includes one revision entry dated 12-7-09.

SHEET TITLE:

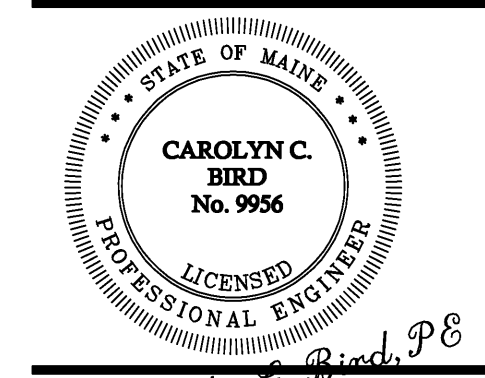
STRUCTURAL NOTES

Table with 2 columns: Field, Value. Includes entries for DESIGNED: TD, DRAWN: TD, DATE: 10-30-09, CADD FILE: 9065-S1.dwg, PROJECT NUMBER: 9065.



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BOWL PORTLAND PORTLAND BUILDING RENOVATION