

**GENERAL NOTES: (APPLY TO RAMP ONLY)**

- GENERAL NOTES:** NS-CBC95
- ALL CONSTRUCTION SHALL COMPLY WITH THE 1995 EDITION OF THE CALIFORNIA BUILDING CODE (CBC), CCR TITLE 24, PART 2. [MODIFICATIONS TO THE 1994 UNIFORM BUILDING CODE (UBC), UBC STANDARDS AND UBC RECOGNIZED STANDARDS-ALL UBC RECOGNIZED STANDARDS AS APPLICABLE ARE REQUIRED FOR THIS PROJECT.] ALSO COMPLY WITH ADMINISTRATIVE REQUIREMENTS OF CCR TITLE 24, PART 1, CHAPTER 4, GROUP 1, (LATEST REVISION).
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE STRUCTURE DURING CONSTRUCTION AND SHALL DESIGN AND PROVIDE ADEQUATE SHORING AND BRACING DURING CONSTRUCTION. CONTRACTOR SHALL COMPLY WITH APPLICABLE SAFETY REGULATIONS.
  - DETAILS NOT SPECIFICALLY SHOWN SHALL BE SIMILAR TO DETAILS FOR SIMILAR CONSTRUCTION SHOWN ON THESE DRAWINGS. THE CONTRACTOR ADMITS AND AGREES THAT THE CONTRACT DOCUMENTS EXHIBIT THE INTENT AND PURPOSE OF THE OWNER IN REGARD TO THE WORK, AND THAT THEY ARE NOT COMPLETE IN EVERY DETAIL AND ARE TO BE CONSIDERED AS SHOWING THE PURPOSE AND INTENT ONLY; AND THE CONTRACTOR FURTHER AGREES TO FURNISH ALL LABOR OR MATERIAL FOR ANY DETAIL THAT IS NECESSARY TO CARRY OUT SAID INTENT AND PURPOSE OF THE CONTRACT DOCUMENTS WITHOUT EXTRA CHARGE TO THE OWNER.
  - THE CONTRACTOR SHALL COORDINATE THE WORK OF ALL TRADES AND SHALL CHECK ALL DIMENSIONS. ANY DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT AND RAMP MANUFACTURER AND BE RESOLVED BEFORE PROCEEDING WITH THE WORK.
  - NO STRUCTURAL MEMBERS SHALL BE CUT, NOTCHED OR OTHERWISE PENETRATED UNLESS SPECIFICALLY APPROVED IN ADVANCE OR SHOWN ON THESE DRAWINGS.
  - TYPICAL DETAILS SHALL APPLY UNLESS SHOWN OTHERWISE ON THE DRAWINGS.
  - WHERE THESE GENERAL NOTES AND THE TYPICAL DETAILS ARE IN CONFLICT WITH THE SPECIFICATIONS, THESE GENERAL NOTES AND THE TYPICAL DETAILS SHALL GOVERN.
  - PROVIDE INSPECTIONS, TESTS, AND REPORTS IN ACCORDANCE WITH THE 1995 CBC AND CCR TITLE 24, PART 1, CHAPTER 4, GROUP 1.
  - IN ADDITION TO CONTINUOUS PROJECT INSPECTION, PROVIDE SPECIAL INSPECTION OF ALL WELDING FOR STRUCTURAL STEEL, PER CBC SECTION 1701A.5.5 AND 1703A. SEE ALSO REQUIREMENTS OF CBC SECTION 2212A.5.
  - ALL REQUIRED INSPECTIONS AND TESTS ARE THE RESPONSIBILITY OF THE OWNER. ALL INSPECTORS SHALL PROVIDE REPORTS AS REQUIRED BY CCR TITLE 24, PART 1, CHAPTER 4, GROUP 1.

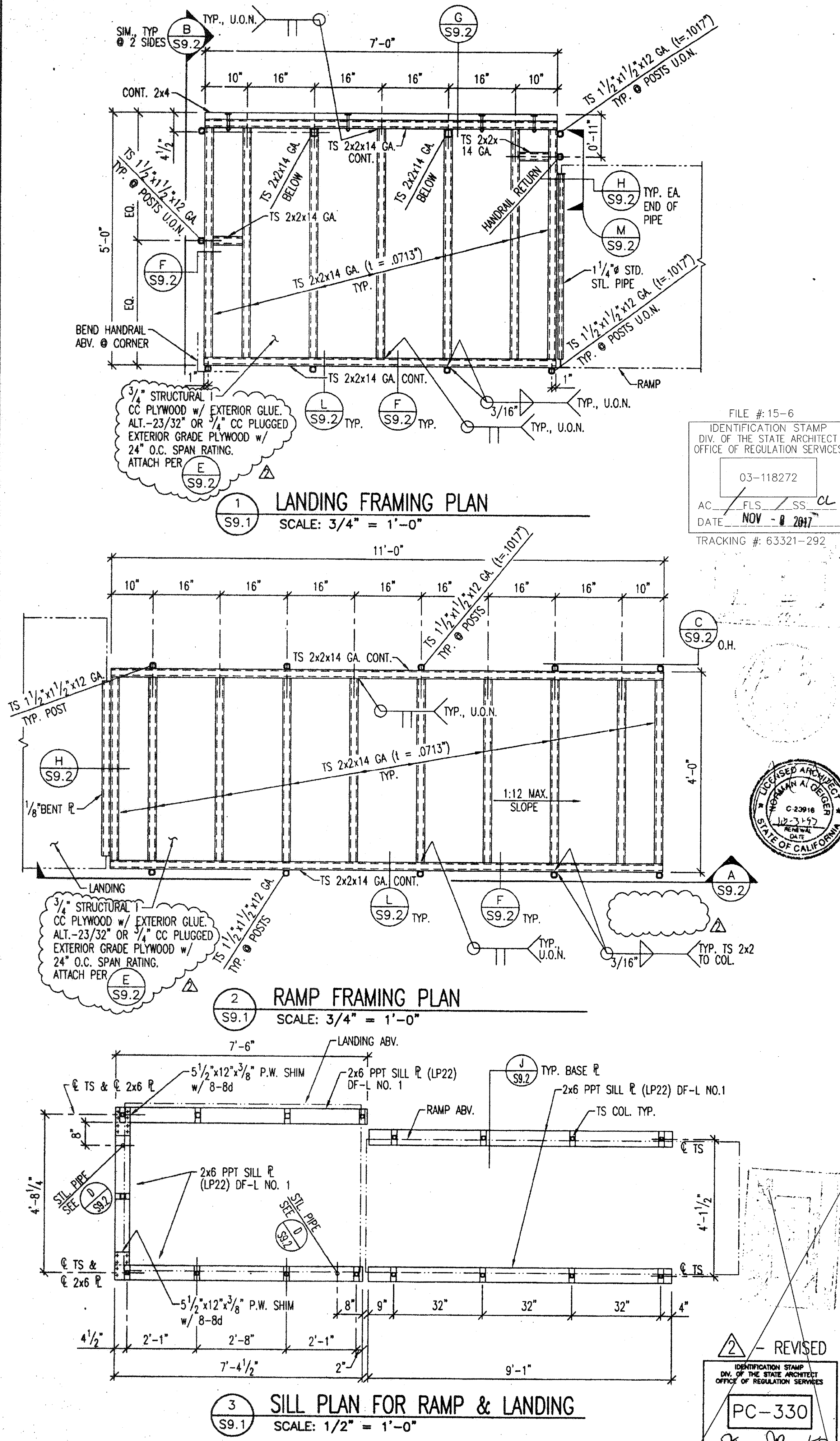
- WOOD:** NW-CBC95
- STRUCTURAL FRAMING SHALL BE DOUGLAS FIR - LARCH GRADED IN ACCORDANCE WITH THE WESTERN LUMBER GRADING RULES OF THE WESTERN WOOD PRODUCTS ASSOCIATION OR STANDARD GRADING RULES NO. 17 OF THE WEST COAST LUMBER INSPECTION BUREAU, LATEST REVISIONS. WOOD MEMBERS SHALL HAVE A MAXIMUM MOISTURE CONTENT OF 19% AT TIME OF INSTALLATION. DOUGLAS FIR SOUTH IS NOT ALLOWED. EACH PIECE SHALL BE GRADE MARKED AND NO PIECE MAY FALL BELOW THE GRADES INDICATED. GRADES SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE ON THE DRAWINGS.  
ALL FRAMING EXCEPT AS NOTED ----- NO. 1 WOOD SHIMS ----- ANY GRADE OR EXTR. GRADE PLYWOOD.
  - ALL PLYWOOD SHOWN ON THESE DRAWINGS SHALL BE STRUCTURAL 1 CC WITH EXTERIOR GLUE IN ACCORDANCE WITH U.S. PRODUCT STANDARD PS 1-83 (UBC STANDARD 23-2) U.O.N. ALL PANELS SHALL BE MARKED WITH AN APA GRADE MARK WITH A PANEL SPAN RATING IN ACCORDANCE WITH CBC TABLE NO. 23A-1-1. USE 4"x8" PANELS, MINIMUM, EXCEPT AT BOUNDARIES AND FRAMING CHANGES WHERE THE MINIMUM PANEL DIMENSION SHALL BE 24" AT FLOORS UNLESS PANEL IS SUPPORTED AT ALL FOUR SIDES BY FRAMING OR BLOCKING.
  - SILL PLATES SHALL BE PRESERVATIVE TREATED DOUGLAS FIR. PRESERVATIVE TREATED MEMBERS SHALL BE PER THE REQUIREMENTS OF ANPA AND ANPB (PROCEDURE LP-22 UNLESS OTHERWISE NOTED). SILL PLATES SHALL BE PRESERVATIVE TREATED AT ALL CUTS, NOTCHES, AND HOLES AS APPROVED.
  - BOLTS FOR TIMBER CONNECTIONS SHALL BE FULL DIAMETER BODY AND PER THE REQUIREMENTS OF ASTM A307, GRADE A AND ANS/ASME STANDARD B18.2 UNLESS OTHERWISE NOTED. BOLTS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 1995 CALIFORNIA BUILDING CODE (CBC), CHAPTER 23A, AND CBC SECTION 2336 AND SHALL HAVE A MINIMUM BENDING YIELD STRENGTH OF 45,000 PSI. BOLT HOLES SHALL BE 1/16" INCH LARGER THAN BOLT DIAMETER. RE-TIGHTEN BOLTS BEFORE CLOSING IN WORK.
  - LAG SCREWS SHALL CONFORM TO ANS/ASME STANDARD B18.2.1 OR CBC TABLE 23-III-UU, THE REQUIREMENTS OF THE 1995 CALIFORNIA BUILDING CODE, CHAPTER 23A, AND CBC SECTION 2337. HOLES FOR LAG SCREW SHANKS SHALL BE BORED THE SAME DEPTH AND DIAMETER AS THE SHANK. THE REMAINING DEPTH OF PENETRATION OF THE SCREW SHALL BE BORED TO 70% OF THE SHANK DIAMETER. PROVIDE FULL DIAMETER BODY STEEL LAG SCREWS WITH MINIMUM BENDING YIELD STRENGTHS PER TABLES 23-III-T AND 23-III-U IN THE 1995 CBC. PROVIDE GALVANIZED WHERE INSTALLED IN PPT MEMBERS.
  - PROVIDE MALLEABLE IRON WASHERS OR STANDARD CUT PLATE WASHERS UNDER NUTS AND BOLT OR LAG SCREW HEADS WHICH BEAR ON WOOD.
  - WOOD SCREWS SHALL CONFORM TO ANS/ASME STANDARD B18.6.1. THE REQUIREMENTS OF THE 1995 CALIFORNIA BUILDING CODE, CHAPTER 23A, AND CBC SECTION 2339. WOOD SCREWS SHALL BE STEEL, WITH MINIMUM BENDING YIELD STRENGTHS PER TABLES 23-III-DD AND 23-III-EE IN THE 1995 CBC AND CUT THREADS. LEAD HOLES FOR SCREWS SHALL BE 7/8 OF THE SHANK DIAMETER AT THE SHANK (UNTHREADED PORTION) AND 7/8 OF THE THREAD ROOT DIAMETER FOR THE THREADED PORTION OF THE SCREW.
  - WOOD MEMBERS SHALL BE CUT OR NOTCHED ONLY AS SHOWN ON STRUCTURAL DRAWINGS.
  - WHEN REQUIRED NAILING TENDS TO SPLIT WOOD MEMBERS, NAIL HOLES SHALL BE PRE-BORED TO 3/4 OF THE NAIL DIAMETER.
  - STRUCTURAL NAILING SHALL BE WITH FULL HEAD COMMON STEEL WIRE NAILS PER FEDERAL SPECIFICATION FF-N-105B, ALL REQUIREMENTS OF THE 1995 CALIFORNIA BUILDING CODE, CHAPTER 23A, AND CBC SECTION 2340. NAILING NOT SPECIFICALLY INDICATED SHALL COMPLY WITH CBC TABLE 23A-1-D, NAILS EXPOSED TO WEATHER OR IN PRESERVATIVE TREATED MEMBERS SHALL BE HOT DIP GALVANIZED. NAILS SHALL BE ELECTROGALVANIZED ELSEWHERE. PROVIDE NAILS WITH MINIMUM BENDING YIELD STRENGTHS PER TABLE 23-III-II OR 23-III-MM IN THE 1995 CBC. IF MACHINE NAILING IS UTILIZED FOR THIS PROJECT, CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF CCR TITLE 24, PART 2, SECTIONS 2311A.3.3 AND 2314A.3. MACHINE NAILING IS SUBJECT TO APPROVAL BY THE DIVISION OF THE STATE ARCHITECT.
  - PRESERVATIVE TREATMENT SHALL BE PER SECTION 2303A.1.3, CCR TITLE 24, PART 2 (CBC). PROVIDE ANPB OR EQUIVALENT QUALITY MARK ON ALL TREATED MEMBERS.

- STRUCTURAL STEEL:** NS-CBC95
- ALL STRUCTURAL AND MISCELLANEOUS STEEL SHALL BE ASTM A36 UNLESS NOTED OTHERWISE.
  - TUBE MEMBERS SHALL BE ASTM A500 GRADE B, (FY = 46,000 psi) STEEL PIPES SHALL BE ASTM A53, TYPE E OR S, GRADE B.
  - ALL BOLTS SHALL BE ASTM A307 MACHINE BOLTS (INCLUDING SUPPLEMENTARY REQUIREMENT S1 PER ASTM) UNLESS NOTED OTHERWISE.
  - ALL WELDING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CALIFORNIA BUILDING CODE (CBC) AND THE STRUCTURAL WELDING CODE - STEEL, AWS D1.1, LATEST EDITION, OR THE STRUCTURAL WELDING CODE-SHEET STEEL, AWS D1.3, LATEST EDITION, OF THE AMERICAN WELDING SOCIETY. SEE CBC CHAPTER 22A, SECTION 2209A. PROVIDE SPECIAL INSPECTION FOR ALL WELDING - SEE #7 BELOW. UTILIZE E70 LOW HYDROGEN ELECTRODES, TYPICAL.
  - FABRICATION AND ERECTION OF STRUCTURAL AND MISCELLANEOUS STEEL SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, ALLOWABLE STRESS DESIGN AND PLASTIC DESIGN, OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) (CBC CHAPTER 22A, SECTION 2203A). ALSO COMPLY WITH REQUIREMENTS OF THE AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES. (THERE ARE NO SELF-SUPPORTING FRAMES ON THIS PROJECT - TEMPORARY BRACING IS REQUIRED UNTIL ALL ELEMENTS SHOWN ON STRUCTURAL DRAWINGS ARE IN PLACE.)
  - PRIME ALL STEEL SURFACES WITH AN APPROVED ZINC RICH PRIMER, TOUCH-UP FIELD WELDS AND OTHER EXPOSED STEEL SURFACES AFTER ERECTION.
  - OWNER SHALL PROVIDE INSPECTIONS AND TESTS IN ACCORDANCE WITH CBC SECTION 2212A. OWNER'S INSPECTOR AND TESTING LABORATORY SHALL PROVIDE REPORTS TO THE STRUCTURAL ENGINEER AND DIVISION OF THE STATE ARCHITECT.
- DRIVEN PINS:**
- DRIVE PINS FOR ATTACHMENT OF WOOD TO STEEL SHALL BE HILTI FASTENING SYSTEMS PER ICBO REPORT NO. 2388, OR EQUIVALENT. X-DNI DRIVE PINS SHALL BE DOME HEAD W/ SMOOTH SHANK TYPICAL. LENGTHS SHALL BE SUCH THAT FULL DIAMETER OF SHANK PENETRATES THRU STEEL MEMBER ATTACHED TO. INSTALL PER MANUFACTURER'S REQUIREMENTS, THESE DRAWINGS AND THE MANUFACTURER'S ICBO APPROVAL.
  - ATTACHMENT OF WOOD TO STEEL WHERE SHOWN ON DRAWINGS SHALL BE ET&F FASTENING SYSTEMS. 1444 PINS PER ICBO REPORT NO. 4144 OR EQUIVALENT. INSTALL PER MANUFACTURER'S REQUIREMENTS, THESE DRAWINGS AND THE MANUFACTURER'S ICBO APPROVAL. LENGTHS SHALL BE SUCH THAT PINS EXTEND THROUGH STEEL MEMBER 1/4" MINIMUM.
  - PNEUTEK SDL PINS BY PNEUTEK, INC. ARE AN ACCEPTABLE ALTERNATE TO HILTI OR ET & F PINS. PROVIDE EQUAL OR GREATER DIAMETER AND INSTALLATION PER MANUFACTURER'S INSTRUCTIONS.

**ABBREVIATIONS:**

- |          |                              |
|----------|------------------------------|
| ABR      | ANCHOR BOLT                  |
| ABV      | ABOVE                        |
| ADDL     | ADDITIONAL                   |
| ADJ.     | ADJACENT                     |
| ALT.     | ALTERNATE                    |
| APPROX.  | APPROXIMATE                  |
| ARCH.    | ARCHITECTURAL                |
| BLDG.    | BUILDING                     |
| BLKG.    | BLOCKING                     |
| BLW.     | BELOW                        |
| BW.      | BEAM                         |
| B.O.     | BOTTOM OF                    |
| B.TN.    | BOTH SIDES                   |
| B.TN.    | BETWEEN                      |
| C.J.     | CONSTRUCTION JOINT           |
| CL.      | CENTER LINE                  |
| CLG.     | CEILING                      |
| CLR.     | CLEAR                        |
| CMU      | HOLLOW CONCRETE MASONRY UNIT |
| COL.     | COLUMN                       |
| COMP.    | COMPOSITION                  |
| CONC.    | CONCRETE                     |
| CONSTR.  | CONSTRUCTION                 |
| CONN.    | CONNECTION                   |
| CONT.    | CONTINUOUS                   |
| CP       | COMPLETE PENETRATION         |
| CSK.     | COUNTERSINK                  |
| DBL.     | DOUBLE                       |
| DET.     | DETAIL                       |
| DF-L     | DOUGLAS FIR-LARCH            |
| DIAG.    | DIAGONAL                     |
| DM.      | DIMENSIONS                   |
| D.O.     | DITTO                        |
| DRWG.    | DRAWING                      |
| Ø.       | DIAMETER                     |
| (E)      | EXISTING                     |
| EA.      | EACH                         |
| E.F.     | EACH FACE                    |
| E.J.     | EXPANSION JOINT              |
| ELEV.    | ELEVATION                    |
| E.N.     | PLYWOOD EDGE NAILING         |
| EQ.      | EQUAL                        |
| EQUIP.   | EQUIPMENT                    |
| EXT.     | EACH SIDE                    |
| EXTR.    | EXTERIOR                     |
| E.W.     | EACH WAY                     |
| F.F.     | FINISH FLOOR                 |
| F.G.     | FINISH GRADE                 |
| FIN.     | FINISH                       |
| FLR.     | FLOOR                        |
| F.N.     | FACE NAIL                    |
| FND.     | FOUNDATION                   |
| F.O.C.   | FACE OF CONCRETE             |
| F.O.M.   | FACE OF MASONRY              |
| F.O.S.   | FACE OF STUD                 |
| F.S.     | FAR SIDE                     |
| FTG.     | FOOTING                      |
| GA.      | GAGE                         |
| GALV.    | GALVANIZED                   |
| G.L.     | GRID LINE                    |
| GLB      | GLUE LAM BEAM                |
| GYP. BD. | GYP. BOARD                   |
| HCB      | HOLLOW CONCRETE BLOCK        |
| HD       | HOLD-DOWN                    |
| HDR.     | HEADER                       |
| HK.      | HOOK                         |
| HORIZ.   | HORIZONTAL                   |
| H.S.     | HIGH STRENGTH                |
| INFO.    | INFORMATION                  |
| INTR.    | INTERIOR                     |
| INTRM.   | INTERMEDIATE                 |
| JT.      | JOINT                        |
| LCTN.    | LOCATION                     |
| MAX.     | MAXIMUM                      |
| MECH.    | MECHANICAL                   |
| MFR.     | MANUFACTURER                 |
| MIN.     | MINIMUM                      |
| (N)      | NEW                          |
| N.S.     | NEAR SIDE                    |
| N.T.S.   | NOT TO SCALE                 |
| O.C.     | ON CENTER                    |
| O.H.     | OPPOSITE HAND                |
| OPNG.    | OPENING                      |
| OPP.     | OPPOSITE                     |
| PC.      | PIECE                        |
| & OR PL. | PLATE                        |
| PPT      | PRESERVATIVE TREATED         |
| P.W.     | PLYWOOD                      |
| PWPEN    | PLYWOOD PANEL EDGE NAILING   |
| REINF.   | REINFORCEMENT                |
| REQD.    | REQUIRED                     |
| RHWS     | ROUND HEAD WOOD SCREW        |
| RWD.     | REDWOOD                      |
| S/HTG.   | SHEATHING                    |
| SIM.     | SIMILAR                      |
| SMS      | SHEET METAL SCREW            |
| SO.      | SQUARE                       |
| STD.     | STANDARD                     |
| STC'D.   | STAGGERED                    |
| STIFF.   | STIFFENER                    |
| S.W.     | SHEARWALL                    |
| SYM.     | SYMMETRICAL                  |
| T&B      | TOP & BOTTOM                 |
| T&G      | TONGUE & GROOVE              |
| THRU     | THROUGH                      |
| T.N.     | TOE NAIL                     |
| T.O.     | TOP OF                       |
| T.O.C.   | TOP OF CONCRETE              |
| T.O.S.   | TOP OF STEEL                 |
| TS       | TUBE STEEL                   |
| TYP.     | TYPICAL                      |
| U.O.N.   | UNLESS OTHERWISE NOTED       |
| VERT.    | VERTICAL                     |
| W/       | WITH                         |
| W.P.     | WORK POINT                   |
| WIND.    | WINDOW                       |
| WWF      | WELDED WIRE FABRIC           |

**PLANS:**



FILE # 15-16  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
03-118272  
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P.O. BOX 1131, MODESTO, CA 95353 (209) 521-1600  
**RAMP & LANDING @ PORTABLE CLASSROOMS**  
GENERAL NOTES, ABBREVIATIONS, & PLANS

REGISTERED PROFESSIONAL ENGINEER  
BRUCE D. DOIG  
No. 2522  
EXPIRES 3-31-00

**ANDERSON & DOIG**  
STRUCTURAL ENGINEERS  
A CALIFORNIA CORPORATION  
1000 J STREET, SUITE 900, SACRAMENTO, CA 95811  
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**S9.1**  
21 SHEETS