GENERAL NOTES: ABBREVIATIONS: TYPICAL DETAILS: REVISIONS GENERAL NOTES: NG_CBC95 5-13-97 ALL CONSTRUCTION SHALL COMPLY WITH THE 1995 EDITION OF THE WHERE HIGH STRENGTH (H.S.) BOLTS ARE CALLED FOR ON THE DRAWINGS, 10. STRUCTURAL NAILING SHALL BE WITH FULL HEAD COMMON STEEL WIRE ANCHOR BOLT CALIFORNIA BUILDING CODE (CBC), CCR TITLE 24, PART 2. [MODIFICATIONS NAILS PER FEDERAL SPECIFICATION FF-N-105B, ALL REQUIREMENTS OF BOLTS, NUTS AND WASHERS SHALL CONFORM TO THE ALLOWABLE STRESS ABOVE 6-30-97 THE 1995 CALIFORNIA BUILDING CODE, CHAPTER 23A, AND CBC SECTION TO THE 1994 UNIFORM BUILDING CODE (UBC), UBC STANDARDS AND UBC DESIGN SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR <u>NOTE:</u> ALL BARS BENT COLD - NO FIELD BENDING ALLOWED. ADDL. **ADDITIONAL** RECOGNIZED STANDARDS ALL UBC RECOGNIZED STANDARDS AS APPLICABLE 2340. NAILING NOT SPECIFICALLY INDICATED SHALL COMPLY WITH CBC A490 BOLTS BY THE RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS **ADJACENT** ARE REQUIRED FOR THIS PROJECT.] ALSO COMPLY WITH ADMINISTRATIVE TABLE 23A-I-Q. NAILS EXPOSED TO WEATHER OR IN PRESSURE OF THE ENGINEERING FOUNDATION, LATEST EDITION, AS ENDORSED BY THE **ALTERNATE** REQUIREMENTS OF CCR TITLE 24, PART 1, CHAPTER 4, GROUP 1, (LATEST PRESERVATIVE TREATED MEMBERS SHALL BE HOT DIP GALVANIZED. NAILS AISC. SEE ALSO CBC CHAPTER 22A, SECTION 2210A.1. HIGH STRENGTH SIDE BEND DIAMETERS APPROX **APPROXIMATE** REVISION). SHALL BE ELECTROGALVANIZED ELSEWHERE. PROVIDE NAILS WITH MINIMUM BOLTS SHALL BE ASTM A325 UNLESS NOTED OTHERWISE ON THE ARCH. BAR SIZE D **ARCHITECTURAL** THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE BENDING YIELD STRENGTHS PER TABLE 23-III-II OR 23-III-MM IN THE DRAWINGS. BOLTS ARE SLIP CRITICAL, U.O.N. \$3 TO \$8 60 BUILDING DURING CONSTRUCTION AND SHALL DESIGN AND PROVIDE 1995 CBC, IF MACHINE NAILING IS UTILIZED FOR THIS PROJECT. ALL WELDING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE BLDG. BLKG. BUILDING ADEQUATE SHORING AND BRACING DURING CONSTRUCTION. CONTRACTOR CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF CCR TITLE 24. 19,110,111 86 CALIFORNIA BUILDING CODE (CBC) AND THE STRUCTURAL WELDING CODE -BLOCKING PART 2. SECTIONS 2311A.3.3 AND 2314A.3. MACHINE NAILING IS SUBJECT SHALL COMPLY WITH APPLICABLE SAFETY REGULATIONS. STEEL, AWS D1.1, LATEST EDITION, OF THE AMERICAN WELDING SOCIETY. BLW. #14,#18 100 BELOW DETAILS NOT SPECIFICALLY SHOWN SHALL BE SIMILAR TO DETAILS FOR TO APPROVAL BY THE STRUCTURAL ENGINEER AND THE DIMSION OF THE ****** SEE CBC CHAPTER 22A, SECTION 2209A. PROVIDE SPECIAL INSPECTION SIMILAR CONSTRUCTION SHOWN ON THESE DRAWINGS. THE CONTRACTOR STATE ARCHITECT. FOR ALL WELDING - SEE #8 BELOW. UTILIZE E70 LOW HYDROGEN B.O. BOTTOM OF ADMITS AND AGREES THAT THE CONTRACT DOCUMENTS EXHIBIT THE INTENT NAIL EQUIVALENCE: (PROVIDE MINIMUM NAIL LENGTHS AS REQUIRED FOR ELECTRODES, TYPICAL. BOTTOM AND PURPOSE OF THE OWNER IN REGARD TO THE WORK, AND THAT THEY FABRICATION AND ERECTION OF STRUCTURAL AND MISCELLANEOUS STEEL SPECIFIED PENETRATION, TYP., U.O.N.) BOTH SIDES ARE NOT COMPLETE IN EVERY DETAIL AND ARE TO BE CONSIDERED AS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST 6d EQUALS .113" DIA. - PROVIDE 1 3/8" MIN. POINT PENETRATION BETWEEN SHOWING THE PURPOSE AND INTENT ONLY; AND THE CONTRACTOR 8d EQUALS .131" DIA. - PROVIDE 1 1/2" MIN. POINT PENETRATION EDITION OF THE SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS. TYPICAL (U.O.N.) FURTHER AGREES TO FURNISH ALL LABOR OR MATERIAL FOR ANY DETAIL ALLOWABLE STRESS DESIGN AND PLASTIC DESIGN, OF THE AMERICAN 10d EQUALS .148" DIA. - PROVIDE *1 3/4" MIN. POINT PENETRATION CONSTRUCTION JOINT THAT IS NECESSARY TO CARRY OUT SAID INTENT AND PURPOSE OF THE INSTITUTE OF STEEL CONSTRUCTION (AISC) (CBC CHAPTER 22A, SECTION 16d EQUALS .162" DIA. - PROVIDE *2" MIN. POINT PENETRATION CENTERLINE CONTRACT DOCUMENTS WITHOUT EXTRA CHARGE TO THE OWNER. *1 1/2" AT 2x MEMBERS 12. INFORMATION IN BOX INDICATES MODEL NUMBER OF CONNECTOR HARDWARE BY THE SIMPSON COMPANY, SAN LEANDRO, CALIFORNIA. INSTALL 2203A). ALSO COMPLY WITH REQUIREMENTS OF THE AISC CODE OF inside bend diameters CEILING THE CONTRACTOR SHALL COORDINATE THE WORK OF ALL TRADES AND STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES. (THERE ARE CLEAR BAR SIZE D CMU COL. CONC. CONSTR. SHALL CHECK ALL DIMENSIONS. ANY DISCREPANCIES SHALL BE CALLED NO SELF-SUPPORTING FRAMES ON THIS PROJECT - TEMPORARY BRACING CONCRETE MASONRY UNIT TO THE ATTENTION OF THE ARCHITECT AND BE RESOLVED BEFORE IS REQUIRED UNTIL ALL ELEMENTS SHOWN ON STRUCTURAL DRAWINGS ARE COLUMN IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS FOR MAXIMUM PROCEEDING WITH THE WORK. RATED LOADS. UON. USP LUMBER CONNECTORS, BY UNITED STEEL CONCRETE NO STRUCTURAL MEMBERS SHALL BE CUT, NOTCHED OR OTHERWISE CONSTRUCTION 2 1/2" PRODUCTS COMPANY, LIVERMORE, CALIFORNIA, IN ACCORDANCE WITH ICBO PRIME ALL STEEL SURFACES WITH AN APPROVED ZINC RICH PRIMER, CONN. PENETRATED UNLESS SPECIFICALLY APPROVED BY THE ARCHITECT IN CONNECTION REPORT 2039, ARE ACCEPTABLE ALTERNATES TO SIMPSON CONNECTORS AS EXCEPT SURFACES TO BE EMBEDDED IN CONCRETE, CONTACT AREAS OF 2 ADVANCE OR SHOWN ON THESE DRAWINGS. CONTINUOUS HIGH STRENGTH BOLTED CONNECTIONS AND SURFACES TO RECEIVE FIELD SHOWN IN TABLE K/SO.2. TYPICAL DETAILS SHALL APPLY UNLESS SHOWN OTHERWISE ON THE COMPLETE PENETRATION WELD OR SPRAY APPLIED FIREPROOFING. TOUCH-UP FIELD WELDS AND 13. EXCEPT WHERE MORE STRINGENT CONSTRUCTION IS SHOWN ON THE STIRRUPS & TIES DRAWINGS. COUNTERSINK DRAWINGS, WOOD CONSTRUCTION SHALL COMPLY WITH CBC SECTION OTHER EXPOSED STEEL SURFACES AFTER ERECTION. WHERE THESE GENERAL NOTES AND THE TYPICAL DETAILS ARE IN CONFLICT 2326A, CONVENTIONAL LIGHT FRAME CONSTRUCTION PROVISIONS, AS A OWNER SHALL PROVIDE INSPECTIONS AND TESTS IN ACCORDANCE WITH WITH THE SPECIFICATIONS, THESE GENERAL NOTES AND THE TYPICAL DOUBLE MINIMUM. CBC SECTION 2212A. OWNER'S INSPECTOR AND TESTING LABORATORY DETAILS SHALL GOVERN. SHALL PROVIDE REPORTS TO THE ARCHITECT, STRUCTURAL ENGINEER, AND DOUGLAS FIR-LARCH PROVIDE OPENINGS, CURBS, BLOCKING, FRAMING AND/OR SUPPORTS FOR CONCRETE: NC_CBC95 DIVISION OF THE STATE ARCHITECT. SELF DRILLING SCREWS FOR ATTACHMENT OF WOOD OR STEEL TO STEEL SHALL DIAGONAL ITEMS INDICATED ON ARCHITECTURAL, MECHANICAL, ELECTRICAL, OTHER 1. CONCRETE SHALL DEVELOP A MINIMUM ULTIMATE COMPRESSIVE STRENGTH DIMENSION DRAWINGS OR SPECIFICATIONS INCLUDED IN THE CONSTRUCTION BE TRAXX SCREWS BY ITW BUILDEX, DARTS SCREWS BY COMPASS INTERNATIONAL. OF 3000 PSI AT 28 DAYS IN ACCORDANCE WITH ASTM C31 AND C39. D.O. DRWG. STD. HOOKS & BENDS IN REINF. STEEL DOCUMENTS. OR EQUIVALENT, INSTALL PER MANUFACTURE'S INSTRUCTIONS AND THESE DRAWINGS. DRIVE PINS FOR ATTACHMENT OF WOOD TO STEEL SHALL BE BY HILTI DRAWING TESTING SHALL BE IN ACCORDANCE WITH CBC SECTION 1905A.6. THREE REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS AND OTHER CYLINDERS FOR STRENGTH TESTS OF EACH CLASS OF CONCRETE PLACED DIA. Ø DIAMETER INFORMATION NOT SPECIFICALLY SHOWN ON STRUCTURAL DRAWINGS. ~ FASTENING SYSTEMS PER ICBO REPORT NO. 2388, OR EQUIVALENT. EACH DAY SHALL BE TAKEN BY THE OWNER'S TESTING LABORATORY NOT 10. ALL ELEVATIONS ARE REFERENCED FROM TOP OF FINISH FLOOR ELEVATION. X-DNI DRIVE PINS SHALL BE DOME HEAD W/ SMOOTH SHANK (DRIVE THRU EXISTING LESS THAN ONCE A DAY, NOR LESS THAN ONCE FOR EACH 50 CUBIC (0'-0" ELEV. IS @ TOP OF FLOOR P.W.) 7/8" x 5/64" WASHERS WHERE NOTED.) DS DRIVE PINS SHALL BE DOME HEAD w/ SMOOTH SHANK DRIVEN THRU 7/8" x 5/64" YARDS OF CONCRETE, NOR LESS THAN ONCE FOR EACH 2000 SQUARE EACH 11. PROVIDE INSPECTIONS, TESTS, AND REPORTS IN ACCORDANCE WITH THE FEET OF SURFACE AREA FOR SLABS AND WALLS. PROVIDE 6% ENTRAINED EACH FACE WASHERS TYPICAL. LENGTHS SHALL BE SUCH THAT FULL DIAMETER OF SHANK PENETRATES THRU STEEL MEMBER ATTACHED TO. INSTALL PER 1995 CBC AND CCR TITLE 24, PART 1, CHAPTER 4, GROUP 1. EXPANSION JOINT AIR BY VOLUME WITH ADMIXTURE PER ASTM C260 FOR SITES ABOVE 1500 12. IN ADDITION TO CONTINUOUS PROJECT INSPECTION, THE FOLLOWING **ELEVATION** FEET IN ELEVATION. SEE ALSO CBC SECTION 1904A. MANUFACTURER'S REQUIREMENTS, THESE DRAWINGS AND THE MANUFACTURER'S SPECIAL INSPECTIONS SHALL BE REQUIRED, AS A MINIMUM: EDGE NAILS ALL CONCRETE SHALL BE CONSOLIDATED BY MECHANICAL VIBRATORS. A INSPECTION OF ALL WELDING FOR STRUCTURAL STEEL, PER CBC EQUAL ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF 1995 . ATTACHMENT OF WOOD TO STEEL WHERE SHOWN ON DRAWINGS SHALL BE ET&F SECTION 1701A.5.5 AND 1703A. SEE ALSO REQUIREMENTS OF EQUIP. EQUIPMENT ~ FASTENING SYSTEMS .144" & PINS PER ICBO REPORT NO. 4144 OR EQUIVALENT. CBC (CCR TITLE 24, PART 2) AND ACI STANDARD 318, LATEST REVISION. CBC SECTION 2212A.5. EACH SIDE OF THE AMERICAN CONCRETE INSTITUTE, UNLESS SHOWN OR NOTED INSTALL PER MANUFACTURER'S REQUIREMENTS, THESE DRAWINGS AND THE B. INSPECTION OF INSTALLATION OF HIGH STRENGTH BOLTS, PER EXTERIOR MANUFACTURER'S ICBO APPROVAL: LENGTHS SHALL BE SUCH THAT PINS EXTEND THROUGH STEEL MEMBER 1/4" MINIMUM. (.190" PINS CAN BE USED AS AN OTHERWISE ON THESE DRAWINGS CBC SECTIONS 1701A.5.6 AND 2212A.6. EACH WAY 4. AGGREGATE SHALL CONFORM TO ASTM C33 AND CBC SECTION 1903A.3. C. INSPECTION FOR CONCRETE AND CONCRETE REINFORCEMENT GRADING OF COMBINED AGGREGATE SHALL BE PER TITLE 24, PART 2, ALTERNATE TO 144 & PINS PREUTEK, INC. ARE AN ACCEPTABLE ALTERNATE TO HILTI OR PLACEMENT, PER TITLE 24, PART 1, CHAPTER 4, GROUP 1 AND CBC FINISH FLOOR TABLE 19A-J. (1" MAX. AGGREGATE) SECTIONS 1701A.5.1, 2, & 4. FINISH GRADE ET & F PINS. PROVIDE EQUAL OR GREATER DIAMETER AND INSTALLATION PER CEMENT SHALL BE ASTM C150, TYPE I OR TYPE II. SEE ALSO 13. ALL REQUIRED INSPECTIONS AND TESTS ARE THE RESPONSIBILITY OF THE FIN. FINISH MANUFACTURER'S INSTRUCTIONS. REQUIREMENTS OF CBC SECTION 1903A.2. FILE #: 15-6 OWNER. ALL INSPECTORS SHALL PROVIDE REPORTS AS REQUIRED BY CCR FLR. FLOOR REINFORCING STEEL SHALL BE DEFORMED CONFORMING TO ASTM A615 MULTIPLE REINF. SIN TITLE 24, PART 1, CHAPTER 4, GROUP 1 IDENTIFICATION STAMP FACE NAIL FOUNDATIONS: (CONCRETE) GRADE 60 UNLESS OTHERWISE NOTED. SEE ALSO REQUIREMENTS OF CBC 14. DIMENSIONS AND ELEVATIONS SHOWN ARE APPROXIMATE AND ARE DIV. OF THE STATE ARCHITECT FOUNDATION SECTION 1903A.5. C PROVIDED AS AN AID IN INTERPRETING THE DRAWINGS ONLY. DIMENSIONS FOUNDATION BEARING SHALL BE AS APPROVED BY THE DIVISION OF THE FACE OF OFFICE OF REGULATION SERVICES WELDED WIRE FABRIC REINFORCEMENT SHALL CONFORM TO ASTM A185. STATE ARCHITECT AND THE OWNER'S ARCHITECT. IT IS THE SCHOOL DISTRICT'S RESPONSIBILITY TO PROVIDE ADEQUATE BEARING TO DEVELOP AND ELEVATIONS MUST BE VERIFIED WITH ARCHITECTURAL DRAWINGS. IN FACE OF CONCRETE WELDING OF REINFORCING STEEL SHALL BE PERFORMED ONLY WHERE THE EVENT OF CONFLICT, DIMENSIONS AND ELEVATIONS SHOWN ON F.O.M. FACE OF MASONRY INDICATED ON THE DRAWINGS AND SHALL BE IN COMPLIANCE WITH ALL THE ALLOWABLE BEARING PRESSURE NOTED BELOW. 03-118272 ARCHITECTURAL DRAWINGS SHALL GOVERN. DRAWING SCALES GIVEN ARE FACE OF STUD REQUIREMENTS OF THE CBC AND THE STRUCTURAL WELDING CODE -FOUNDATIONS ARE DESIGNED FOR A MAXIMUM DEAD PLUS LIVE LOAD FAR SIDE APPROXIMATE - DO NOT SCALE PLANS OR DETAILS. REINFORCING STEEL, AWS D 1.4, LATEST REVISION, OF THE AMERICAN ALLOWABLE SOIL BEARING PRESSURE OF 1000 PSF, AS PER CBC. 15. ALL BOLTS EMBEDDED IN CONCRETE SHALL BE ASTM A307 TYPE A OR C FOOTING WELDING SOCIETY (UBC STANDARD 19-2). PROVIDE WELDING PROCEDURE TABLE NO. 18A-1-A OR IR 23-6. (INCLUDING SUPPLEMENTARY REQUIREMENT S1) UNLESS NOTED OTHERWISE 2 AND MILL TEST REPORTS FOR ALL REINFORCEMENT TO BE WELDED. THE BOTTOM OF ALL FOOTINGS SHALL BE LEVEL. CHANGES IN FOOTING ON DRAWINGS DATE NOV - 8 2017 ELEVATIONS SHALL BE MADE UTILIZING THE TYPICAL FOOTING STEP DETAILS ON THESE DRAWINGS. REINFORCING WITH C.E. ABOVE 0.75 SHALL NOT BE WELDED. ARCHITECT GALVANIZED 16. WHEN MODULE IS RELOCATED - DO NOT REINSTALL NAILS OR SCREWS IN GALV. GRID LINE SHALL APPROVE WELDING PROCEDURE, WELDER QUALIFICATIONS AND MILL TRACKING #: 63321-292 EXISTING HOLES. CONC. REINF. DETAIL TEST REPORTS PRIOR TO EXECUTION OF WELDING. PROVIDE INSPECTION CENTER FOOTINGS UNDER WALLS OR COLUMNS UNLESS OTHERWISE GLU-LAM BEAM INDICATED ON THESE DRAWINGS. \$0.1 PER CBC CHAPTER 17A AND SECTION 1928A.12. GYP. BD. GYPSUM BOARD PROVIDE PROPER GRADING OF SITE SUCH THAT WATER DOES NOT WOOD: NW_CBC95 COVERAGE FOR REINFORCING BARS SHALL BE IN ACCORDANCE WITH THE POND OR OTHERWISE COLLECT UNDER THE BUILDING. REQUIREMENTS OF THE CBC AND ACI STANDARD 318 UNLESS SHOWN HOLLOW CONCRETE BLOCK STRUCTURAL FRAMING SHALL BE DOUGLAS FIR - LARCH GRADED IN FOUNDATIONS ARE DESIGNED AS FIXED FOUNDATIONS IN ACCORDANCE WITH OTHERWISE ON THE DRAWINGS. HOLDOWN ACCORDANCE WITH THE WESTERN LUMBER GRADING RULES OF THE IR 23-6 OR CBC CHAPTER 18A. 10. LAP SPLICES FOR REINFORCING BARS SHALL BE 60 BAR DIAMETERS OR HEADER WESTERN WOOD PRODUCTS ASSOCIATION OR STANDARD GRADING RULES A. ALL BUILDINGS, PERMANENT OR OTHER RELOCATABLE, ADJACENT 18" MINIMUM UNLESS SHOWN OTHERWISE ON THE DRAWINGS. WIRE BARS NO. 17 OF THE WEST COAST LUMBER INSPECTION BUREAU, LATEST TO THESE RELOCATABLE BUILDINGS MUST BE SEPARATED FROM HORIZ. HORIZONTAL TOGETHER AT LAPS OR SPLICES. STAGGER LAPS IN ADJACENT HORIZONTAL REVISIONS. WOOD MEMBERS SHALL HAVE A MAXIMUM MOISTURE CONTENT THESE RELOCATABLE BUILDINGS BY 2" MINIMUM. OR SLOPING REINFORCING BARS A MINIMUM OF THE REQUIRED SPLICE HIGH STRENGTH OF 19% AT TIME OF INSTALLATION. DOUGLAS FIR SOUTH IS NOT ALLOWED. LENGTH. HOOKS SHALL BE CBC STANDARD HOOKS PER CCR TITLE 24. PAD FOUNDATIONS: (RESTRAINED) EACH PIECE SHALL BE GRADE MARKED AND NO PIECE MAY FALL BELOW INFORMATION PART 2, SECTION 1907A.1 THRU 1907A.3, UNLESS SHOWN OTHERWISE. OCCURS THRU FOOTING THE GRADES INDICATED. GRADES SHALL BE AS FOLLOWS UNLESS NOTED FOUNDATION BEARING SHALL BE AS APPROVED BY THE DIVISION OF THE INTERIOR WELDED WIRE FABRIC SHALL BE SPLICED BY LAPPING A MINIMUM OF 12 STATE ARCHITECT AND THE OWNER'S ARCHITECT. IT IS THE SCHOOL DISTRICT'S RESPONSIBILITY TO PROVIDE ADEQUATE BEARING TO DEVELOP -NO EXCAVATION FOR PIPE OTHERWISE ON THE DRAWINGS. INTRM. INTERMEDIATE INCHES OR TWO CROSS WIRES. WHICHEVER IS GREATER. TRENCHES PARALLEL TO ALL FRAMING EXCEPT AS NOTED ----- NO. 2 INTERPRETATIONS OF REGULATIONS 4" MIN. -4" 11. CONCRETE SHALL BE PLACED IN ACCORDANCE WITH ASTM C94 (UBC FOOTING BELOW THESE LINES. THE ALLOWABLE BEARING PRESSURE NOTED BELOW. BLOCKING ----- NO. 3 (OR BETTER) STANDARD 19-3) AND ACI STANDARD 304. ALSO COMPLY WITH THE FOUNDATIONS ARE DESIGNED FOR A MAXIMUM DEAD PLUS LIVE LOAD ALL PLYWOOD SHOWN ON THESE DRAWINGS SHALL BE C-D, U.O.N., WITH JOINT REQUIREMENTS OF CBC SECTION 1905A.7 THRU 1905A.13. ALLOWABLE SOIL BEARING PRESSURE OF 1000 PSF, AS PER IR 23-6. EXTERIOR GLUE IN ACCORDANCE WITH U.S. PRODUCT STANDARD PS 1-83 12. ALL EMBEDDED ITEMS SHALL BE PLACED ACCURATELY AND SECURED PRIOR THE BOTTOM OF ALL FOOTINGS SHALL BE LEVEL. CHANGES IN FOOTING ELEVATIONS SHALL BE MADE UTILIZING THE FOOTING SHIM DETAILS ON THESE DRAWINGS. (UBC STANDARD 23-2). ALL PANELS SHALL BE MARKED WITH AN APA LOCATION TO BEGINNING CONCRETE PLACEMENT. GRADE MARK WITH A PANEL SPAN RATING IN ACCORDANCE WITH CBC LLV LONG LEG VERTICAL 13. CONSTRUCTION JOINTS SHALL BE LOCATED SO AS NOT TO IMPAIR THE TABLE NO. 23A-I-S-1. USE 4'x8' PANELS, MINIMUM, EXCEPT AT CENTER FOOTINGS UNDER WALLS OR COLUMNS UNLESS OTHERWISE C-23616 STRENGTH OF THE STRUCTURE, CONSTRUCTION JOINTS SHALL COMPLY BOUNDARIES AND FRAMING CHANGES WHERE THE MINIMUM PANEL MAX. MAXIMUM WITH CBC SECTION 1906A.4. LOCATE CONSTRUCTION JOINTS ONLY AS INDICATED ON THESE DRAWINGS. 0.3147 DIMENSION SHALL BE 24" AT ROOFS OR FLOORS UNLESS PANEL IS MECH. MECHANICAL PROVIDE PROPER GRADING OF SITE SUCH THAT WATER DOES NOT SHOWN ON THE DRAWINGS OR APPROVED IN ADVANCE BY THE MFR. SUPPORTED AT ALL FOUR SIDES BY FRAMING OR BLOCKING. MINIMUM MANUFACTURER POND OR OTHERWISE COLLECT UNDER THE BUILDING, STRUCTURAL ENGINEER AND THE DIVISION OF THE STATE ARCHITECT (DSA). PANEL DIMENSION AT WALLS SHALL BE 12". TECO RESEARCH & TESTING MIN. MOD. VERIFY THAT NO PIPES, UTILITIES, OR OTHER SUCH ITEMS OCCUR BELOW MINIMUM PROVIDE SHOP DRAWINGS FOR ALL REINFORCING STEEL TO THE ARCHITECT AND PITTSBURG TESTING LABS ARE ACCEPTABLE ALTERNATIVES TO APA FOR MODULE FOOTINGS. NOTE: ALL PIPES TO CLR. SLEEVES BY 1" ALL AROUND -CAULK AS REQ'D FOR REVIEW AND APPROVAL PRIOR TO BEGINNING ANY FABRICATION. PLYWOOD APPROVAL. FOUNDATIONS ARE DESIGNED AS "RESTRAINED FOUNDATION", IN 15. CONTRACTOR SHALL PREPARE AND SUBMIT CONCRETE MIX DESIGNS TO THE WOOD INDICATED ON THE DRAWINGS TO BE PRESSURE PRESERVATIVE ACCORDANCE WITH IR 23-6, TEMPORARY FOUNDATIONS. ARCHITECT FOR APPROVAL PRIOR TO PLACEMENT OF ANY CONCRETE TREATED (PPT) SHALL BE TREATED IN ACCORDANCE WITH AWPB NEAR SIDE A. ANCHOR FOOTINGS AT BUILDING PERIMETER WITH 1"Ø GALVANIZED CONCRETE MIX DESIGNS SHALL BE PER CBC SECTION 1905A. ALL PROCEDURE LP-2 AND RELATED AWPA STANDARDS UNLESS OTHERWISE EXPIRES 3-31-00 STANDARD STEEL PIPES DRIVEN FLUSH WITH TOP OF WOOD NOT TO SCALE CONCRETE MIX DESIGNS SHALL BE SIGNED BY A CIVIL ENGINEER LICENSED NOTED. FOUNDATION PADS AND OTHER WOOD WITH GROUND CONTACT FOUNDATION PADS AND PENETRATING SOIL 12" MINIMUM AT AN IN CALIFORNIA. SHALL BE TREATED IN ACCORDANCE WITH AWPB PROCEDURE LP-22 AND AVERAGE SPACING OF 10'-0" O.C. AT SIDE WALLS AND AT EACH ON CENTER ALL GROUT SHALL BE NONMETALLIC NON-SHRINK HIGH STRENGTH GROUT CORNER OF EACH MODULE AT ENDWALLS OPPOSITE HAND/OVERHANG RELATED AWPA STANDARDS. ALL CUTS, HOLES AND NOTCHES SHALL BE BY MASTER BUILDERS OR EQUIVALENT AS APPROVED BY THE STRUCTURAL OPENING OPNG TREATED. ALL TREATED MEMBERS SHALL BE IDENTIFIED WITH STAMP ALL BUILDINGS, PERMANENT OR OTHER RELOCATABLE. ADJACENT ENGINEER. UTILIZE PRODUCTS RECOMMENDED BY THE MANUFACTURER FOR TO THESE RELOCATABLE BUILDINGS MUST BE SEPARATED FROM OPP. **OPPOSITE** INDICATING TREATMENT PROCESS. EACH APPLICATION AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS. BOLTS FOR TIMBER CONNECTIONS SHALL BE FULL DIAMETER BODY AND THESE RELOCATABLE BUILDINGS BY 2" MINIMUM. 17. REINFORCING AND EMBEDMENT ITEMS SHALL BE FREE OF EXCESSIVE SCALE 8 FINISH GRADES SHALL BE WITHIN MAXIMUM 18" BELOW BOTTOM OF FLOOR PER THE REQUIREMENTS OF ASTM A307, GRADE A AND ANSI/ASME OR RUST, DIRT, GREASE, OIL OR ANY OTHER SUBSTANCE THAT WILL IMPAIR STANDARD B18.2.1, UNLESS OTHERWISE NOTED. BOLTS SHALL BE JOISTS, WITHOUT EXCEPTION. PLATE BOND WITH CONCRETE. PRESSURE PRESERVATIVE TREATED INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 1995 <u> LIGHT GAGE - COLD FORMED STEEL FRAMING NL CBC95</u> 18. OWNER SHALL PROVIDE SPECIAL INSPECTIONS IN ACCORDANCE WITH CBC PLYWOOD CALIFORNIA BUILDING CODE (CBC), CHAPTER 23A, AND CBC SECTION 2336 CHAPTER 17A FOR THE PLACEMENT OF CONCRETE AND CONCRETE 1. ALL LIGHT GAGE FRAMING SHALL BE PER THE REQUIREMENTS OF THE 1995 AND SHALL HAVE A MINIMUM BENDING YIELD STRENGTH OF 45,000 PSI. REINFORCEMENT, FOR BOLTS INSTALLED IN CONCRETE, FOR SAMPLING CALIFORNIA BUILDING CODE (CBC) AND THE SPECIFICATION FOR DESIGN OF REINF. REINFORCEMENT BOLT HOLES SHALL BE 1/16 INCH LARGER THAN BOLT DIAMETER. CONCRETE AND FOR REINFORCING STEEL WELDING. OWNER'S INSPECTOR REQD. REQUIRED COLD-FORMED STEEL STRUCTURAL MEMBERS OF THE AMERICAN IRON AND RE-TIGHTEN BOLTS BEFORE CLOSING IN WORK, SHALL PROVIDE INSPECTION REPORTS TO THE ARCHITECT, ENGINEER, AND RWD. REDWOOD STEEL INSTITUTE (1986 WITH 1989 ADDENDUM) (1995 CBC SECTION LAG SCREWS SHALL CONFORM TO ANSI/ASME STANDARD B18.2.1 OR CBC 9" MN. DIVISION OF THE STATE ARCHITECT. TABLE 23-III-UU. THE REQUIREMENTS OF THE 1995 CALIFORNIA BUILDING 19. ADDITIONALLY, PROVIDE TESTS AND INSPECTIONS IN ACCORDANCE WITH CCR 2 SHTHG. SHEATHING CODE, CHAPTER 23A, AND CBC SECTION 2337. HOLES FOR LAG SCREW SHANKS SHALL BE BORED THE SAME DEPTH AND DIAMETER AS THE ALL LIGHT GAGE FRAMING SHALL BE PAINTED OR HOT-DIP GALVANIZED IN TITLE 24, PART 2, SECTION 1928A. A PLACING RECORD SHALL BE SIMILAR ACCORDANCE WITH ASTM C955 (PROTECTIVE COATING G60 FOR GALVANIZED MAINTAINED FOR ALL CONCRETE PLACED IN THE STRUCTURE. SQUARE AI TERNATE) SHANK. THE REMAINING DEPTH OF PENETRATION OF THE SCREW SHALL BE 20. A. PROVIDE CONTINUOUS INSPECTION AT CONCRETE BATCH PLANT, OR: STANDARD ALL WELDING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE BORED TO 70% OF THE SHANK DIAMETER. PROVIDE FULL DIAMETER BODY, NOTE: ALL PIPES TO CLEAR SLEEVES BY 1" ALL AROUND — CAULK AS REQUIRED. B. THE QUANTITIES OF CONCRETE MATERIALS SHALL BE CERTIFIED BY STAGGERED CBC AND THE STRUCTURAL WELDING CODE - SHEET STEEL OF THE STEEL LAG SCREWS WITH MINIMUM BENDING YIELD STRENGTHS PER TABLES PIPE NEVER TO BE MORE THAN 2'-6" BELOW BOTTOM OF FOOTING; A LICENSED WEIGHMASTER AND THE QUALITY OF MATERIALS SHALL STIFFENER AMERICAN WELDING SOCIETY, AWS D1.3, LATEST REVISION. 23-III-T AND 23-III-U IN THE 1995 CBC. STEP FOOTING IF REQUIRED PER TYPICAL STEP DETAILS. BE VERIFIED BY THE OWNER'S TESTING AGENCY. COMPLY WITH ALL SHEARWALL PROVIDE MALLEABLE IRON WASHERS OR STANDARD CUT PLATE WASHERS ALL SCREWS SHALL BE TEKS/TRAXX SELF-DRILLING SCREWS BY ITW SYM. REQUIREMENTS OF TITLE 24, PART 2, SECTION 1928A.5.2 AND SYMMETRICAL UNDER NUTS AND BOLT OR LAG SCREW HEADS WHICH BEAR ON WOOD. BUILDEX, OR APPROVED EQUIVALENT. INSTALL PER MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS. WOOD SCREWS SHALL CONFORM TO ANSI/ASME STANDARD B18.6.1, THE 21. ALL CONCRETE WORK SHALL BE FORMED. CASTING OF FOUNDATION T&B TOP & BOTTOM PIPES AT FOOTINGS REQUIREMENTS OF THE 1995 CALIFORNIA BUILDING CODE, CHAPTER 23A, ALL COLD FORMED STEEL PRODUCTS TO BE UTILIZED SHALL BE INCLUDED T&G TONGUE & GROOVE CONCRETE AGAINST SIDES OF FOOTING EXCAVATIONS SHALL NOT BE IN EVALUATION REPORTS OF THE INTERNATIONAL CONFERENCE OF BUILDING AND CBC SECTION 2339. WOOD SCREWS SHALL BE STEEL, WITH MINIMUM THRU ALLOWED EXCEPT AS SPECIFICALLY APPROVED BY ARCHITECT, STRUCTURAL THROUGH OFFICIALS (ICBO) VERIFYING ALL SECTION AND STRENGTH PROPERTIES BENDING YIELD STRENGTHS PER TABLES 23-III-DD AND 23-III-EE IN THE TOE NAIL ENGINEER AND THE DIVISION OF THE STATE ARCHITECT. 1995 CBC AND CUT THREADS. LEAD HOLES FOR SCREWS SHALL BE 7/8 NECESSARY FOR DESIGN, AND SHALL BE IN CONFORMANCE W/ ICBO 22. DRILLED IN CONCRETE EXPANSION BOLTS SHALL BE "KWIK-BOLT-II" BY ACCEPTANCE CRITERIA AC46. CHECKED △ - REVISED OF THE SHANK DIAMETER AT THE SHANK (UNTHREADED PORTION) AND 7/8 TOP OF CONCRETE HILTI, INC., PER ICBO APPROVAL NO. 4627, OR APPROVED EQUIVALENT. LIGHT GAGE - COLD FORMED STEEL MEMBERS SHALL BE PER ASTM A653, OF THE THREAD ROOT DIAMETER FOR THE THREADED PORTION OF THE TOP OF STEEL T.O.S. CONCRETE EPOXY TYPE ANCHORS SHALL BE "HIT" BY HILTI, INC., PER STRUCTURAL QUALITY UNLESS NOTED OTHERWISE, MEMBERS 18 GA. AND TUBE STEEL IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES ICBO 5193, OR EQUIVALENT. INSTALL CONCRETE EXPANSION AND EPOXY WOOD MEMBERS SHALL BE CUT OR NOTCHED ONLY AS SHOWN ON THE LIGHTER SHALL HAVE A YIELD STRENGTH (Fy) OF 33,000 PSI AND 16 GA. TYPICAL 6-30-97 ANCHORS PER ALL REQUIREMENTS OF THE MANUFACTURER, THE AND HEAVIER MEMBERS SHALL HAVE A YIELD STRENGTH OF 50,000 PSI. STRUCTURAL DRAWINGS. APPLICABLE ICBO APPROVALS, AND TITLE 24, PART 2, SECTION 1925A.3.5. WHEN REQUIRED NAILING TENDS TO SPLIT WOOD MEMBERS, NAIL HOLES SEE B & C FOR MINIMUM REQUIRED PROPERTIES OF MEMBERS. UNLESS OTHERWISE NOTED USE EXPANSION AND EPOXY ANCHORS ONLY WHERE SHOWN ON THE SHALL BE PRE-BORED TO 3/4 OF THE NAIL DIAMETER. ASTM AGOT GR. 55 CAN BE USED AS AN ALTERNATIVE TO ASTM AG53 FOR DRAWINGS OR APPROVED IN ADVANCE BY THE STRUCTURAL ENGINEER AND VERTICAL 97007 PSPC1 MEMBERS. LIGHT GAGE COLD FORMED STEEL MEMBERS. STRUCTURAL STEEL: NS_CBC95 WORK POINT The first of the second ALL STRUCTURAL AND MISCELLANEOUS STEEL SHALL BE ASTN A36 UNLESS WELDED WIRE FABRIC NOTED OTHERWISE. WINDOW 24'x40' BLDG. **DESIGN CRITERIA:** TUBE MEMBERS SHALL BE ASTM A500 GRADE B. (Fy = 46,000 PSI) 20 PSF SNOW LOAD @ ROOF. ALL BOLTS SHALL BE ASTM A307 MACHINE BOLTS (INCLUDING 50 PSF LIVE LOAD & FLOOR (CLASSROOM). 75 MPH WIND, EXPOSURE C. ROOF LIVE LOAD SUPPLEMENTARY REQUIREMENT ST PER ASTM) UNLESS NOTED OTHERWISE. FLOOR LIVE LOAD SEISMIC ZONE 4 W/ RW = 6. SEISMIC ZONE