INTERIOR REMODEL 1137 VIA JOSE SAN JOSE, CA 95120

DRAWING INDEX ABBREVIATION CONSTRUCTION NOTES **GENERAL** ANCHOR BOLT(S) TITLE SHEET APPLYING TO ALL STRUCTURAL FEATURES UNLESS OTHERWISE SHOWN OR NOTED. **ASPHALT CEMENT** EQUIV. **EQUIVALENT** P.E. PERIMETER & EDGE 1. ALL WORK SHALL BE PERFORMED IN CONFORMANCE WITH THE 2019 CALIFORNIA BUILDING CODE (CBC). AMERICAN CONCRETE INSTITUTE EXT. **ROOF FRAMING PLAN & DETAILS EXTERIOR** PLATE 11.1 PROVIDE FULL BEARING AT SUPPORTS; 2" SOLID BLOCKING AT SUPPORTS UNDER PARTITIONS AT ANGLE 2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS BEFORE STARTING WORK. THE ENGINEER EACH END PLF POUND PER LINEAR FOOT **ADDITIONAL** SHALL BE NOTIFIED OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION ABOVE FINISH FLOOR EACH FACE CEILING FRAMING PLAN PLYWD. PLYW00D 11.2 PROVIDE CROSSBRIDGING AT MIDSPAN FOR SPANS 8 FT. TO 16 FT. FOR GREATER SPANS, SPACING 3. UNLESS OTHERWISE SHOWN OR NOTED, ALL TYPICAL DETAILS SHALL BE USED WHERE APPLICABLE. ALL DETAILS AGGREGATE EACH SIDE PRE-FABRICATED SHALL NOT EXCEED 8'-0". OMIT CROSS BRIDGING FOR ROOF AND CEILING JOIST 6" AND UNDER IN DEPTH. SHALL BE CONSIDERED TYPICAL AT SIMILAR CONDITIONS. FOUNDATION PLAN & DETAILS AMERICAN INSTITUTE E.W. EACH WAY PSF POUND(S) PER SQUARE FOOT 11.3 USE DOUBLE JOISTS UNDER ALL PARTITIONS PARALLEL TO JOISTS. 4. UNLESS OTHERWISE SHOWN OR NOTED, FOLLOW MANUFACTURER'S INSTALLATION RECOMMENDATIONS FOR ALL F.F.L. FINISH FLOOR LINE POUND(S) PER SQUARE INCH PSI OF STEEL CONSTRUCTION STRUCTURAL PRODUCTS USED ON THIS PROJECT. P.T. FACE OF PRESSURE TREATED DETAILS 12.1 USE SINGLE BOTTOM PLATE AND DOUBLE TOP PLATE UNLESS OTHERWISE NOTED OR SHOWN. STAGGER THE APPROVED DRAWING SHALL BE KEPT ON THE JOB SITE AND SHALL BE AVAILABLE TO AUTHORIZED F.O.S. FACE OF STUD STEEL INSTITUTE RDWD. **REDWOOD** JOINTS IN UPPER AND LOWER MEMBERS OF TOP PLATES NOT LESS THAN 4'-0". REPRESENTATIVES OF THE BUILDING OFFICIAL. THERE SHALL BE NO DEVIATION FROM THE STAMPED DRAWINGS FDN. **FOUNDATION** REF. REFERENCE TYPICAL DETAILS & NAILING SCHEDULE AMERICAN INSTITUTE OF 12.2 BOLT SILL PLATE TO CONCRETE AS PER ANCHOR BOLT SCHEDULE. ONE BOLT SHALL BE WITHIN 9" OF FLR. **FLOOR** TIMBER CONSTRUCTION REINF. REINFORCING EACH END OF EACH PIECE OF PLATE. PROVIDE 2 BOLTS MINIMUM PER PIECE. 6. SAFETY MEASURES: AT ALL TIMES, THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR THE AMERICAN STANDARD FRMG. FRAMING WSWH1 STRONG-WALL DETAILS REINF'T. REINFORCEMENT CONDITIONS OF THE JOB SITE INCLUDING SAFETY OF PEOPLE AND PROPERTY, AND FOR ALL NECESSARY FOOT/FEET TESTING & MATERIAL REQ'D. REQUIRED 13.1 BOLTS SHALL BE PER ASTM A307, U.O.N. INDEPENDENT ENGINEERING REVIEWS OF THESE CONDITIONS. **APPROXIMATE** FOOTING REQUIREMENT WSWH2 STRONG-WALL DETAILS APPROX. REQ'T 13.2 BOLT HOLES 1/16" OVERSIZE. THREADS SHALL NOT BEAR ON WOOD OR STEEL. ANY OPENING, HOLES, CUTS OR DISCONTINUITIES NOT SHOWN ON THE STRUCTURAL DRAWINGS AND EXTENDING ARCH. ARCHITECT GAUGE RFB RETROFIT A.B. 13.3 USE STANDARD MALLEABLE IRON WASHERS AGAINST WOOD. 2 3/4" Øx 5/16" THICK FOR 5/8" BOLTS. INTO OR THROUGH STRUCTURAL ELEMENTS REQUIRE THE PRIOR APPROVAL OF THE ENGINEER, AND MAY REQUIRE **ARCHITECTURAL GLU-LAM BEAM** R.O. **ROUGH OPENING** ARCH'L 3" Øx7/16" THICK FOR 3/4" BOLTS. SPECIAL STRUCTURAL DETAILING. S.A.D. SEE ARCHITECTURAL BLOCK CONTRACTORS SHALL SCHEDULE WORK TO MINIMIZE INTERRUPTION AND INCONVENIENCE TO THE ACTIVITIES OF **BLOCKING** H.S.B. HIGH STRENGTH BOLT 14.1 (WOOD OR LAG) SCREWS SHALL BE SCREWED AND NOT DRIVEN INTO PLACE. DRAWINGS THE ADJACENT BUILDING TENANTS. **BOTTOM OF** HDR. HEADER SECT. SECTION 14.2 IN SPACING SCREWS, THE HOLES SHALL BE BORED TO THE SAME DIAMETER AND DEPTH OF THE SCREW 9. CONTRACTOR SHALL MAINTAIN A CLEAN AND SAFE WORKING AREA. CANTILEVER I.C.C. THE INTERNATIONAL SHT'G SHEATHING SHANK. THE HOLES FOR THE THREADED PORTION OF THE SCREWS SHALL BE BORED WITH A BIT NOT 10. CONTRACTOR SHALL COMPLY WITH *CITY OF SAN JOSE* REQUIREMENTS FOR THE PROTECTION OF PUBLIC **CENTER TO CENTER** INTERIOR SIM. SIMILAR LARGER THAN THE DIAMETER OF THE BASE OF THE THREAD. SPEC. CONTROL JOINT JOINT **SPECIFICATION** 11. THE LOCATION OF EXISTING UTILITY LINES IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL SPECS. **SPECIFICATIONS** COMPLETE PENETRATION KIP(S) ALL WOOD FRAMING IN CONTACT WITH CONCRETE AND/OR EXPOSED TO WEATHER OR PROLONGED DAMPNESS ENDEAVOR TO MAINTAIN IN SERVICE ALL UTILITIES TO THE TENATNS FOR THE DURATION OF THE PROJECT. CLR. CLEAR KIP(S) PER SQUARE STAG'D STAGGERED SHALL BE TREATED WITH 'CELLOW" AT THE RATE OF 0.23 POUNDS PER CUBIC FOOT IN ACCORDANCE WITH **Engineer:** 12. INTENT: **CONCRETE MASONRY UNIT** POUND STD. STANDARD AWPA SPECIFICATIONS, OR SHALL BE WOOD OF NATURAL RESISTANCE TO DECAY. IF CERTAIN FEATURES ARE NOT FULLY SHOWN OR CALLED FOR ON THE DRAWINGS OR SPECIFICATIONS, THEIR MAXIMUM T&B CONST. CONSTRUCTION TOP & BOTTOM ALL STEEL CONNECTORS IN CONTACT WITH PRESSURE TREATED WOOD SHALL BE HOT-DIPPED GALVANIZED OR **DB ENGINEERING** CONSTRUCTION SHALL BE OF THE SAME CHARACTER AS FOR SIMILAR CONDITIONS THAT ARE SHOWN OR SPECIFIED. COUNTERSINK T&G CNTSK. M.B. MACHINE BOLT TONGUE & GROOVE STAINLESS STEEL AS PER SECTION 2304.10.5 OF 2019 CBC 13. REFERENCE TO OTHER DRAWINGS: DOUGLAS FIR **MANUFACTURER** T.O. MFR. TOP OF 2021 The Alameda, Suite 360 13.1 SEE DRAWINGS OTHER THAN STRUCTURAL FOR KINDS OF FLOOR FINISH AND THEIR LOCATION, FOR DET. T.O.C. DETAIL MIN. MINIMIIM TOP OF CONCRETE REINFORCING STEEL DEPRESSIONS IN FLOOR SLABS, FOR OPENINGS IN WALLS AND FLOORS REQUIRED BY ARCHITECTURAL AND San Jose, CA 95126 DIAMETER MISC. MISCELLANEOUS T.O.G. TOP OF GRADE MECHANICAL FEATURES, FOR DRIVEWAY PAVING, WALKS, RAMPS, STAIRS, CURBS, ETC. T.O.P. Phone: (408) 621-0114 DIAMETER NEW TOP OF PLYWOOD REINFORCING STEEL SHALL BE PLACED IN ACCORDANCE WITH "THE RECOMMENDED PRACTICE FOR 13.2 HOLES AND OPENINGS THROUGH WALLS AND FLOORS FOR DUCTS, PIPING AND VENTILATION SHALL BE NATIONAL FOREST PRODUCT T.O.W. DRAWING TOP OF WALL PLACING REINFORCING BARS" AS SET FORTH IN THE LATEST EDITION OF THE CRSI MANUAL OF CHECKED BY THE CONTRACTOR WHO SHALL VERIFY SIZES AND LOCATION OF SUCH HOLES OR OPENINGS WITH **Email:** TYP. **EXISTING** ASSOCIATION TYPICAL THE PLUMBING, HEATING, VENTILATING AND ELECTRICAL DRAWINGS AND SUB-CONTRACTORS. STANDARD PRACTICE, AND WITHIN SETTING TOLERANCES AND OTHER REQUIREMENTS OF 2019 CBC CHAPTER 19. db.dbengineering@gmail.com FACH NOT TO SCALE U.N.O. UNLESS NOTED OTHERWISE REINFORCING STEEL SHALL BE ASTM A706, OR A615 GR.60 FOR # & BIGGER BAR AND **ELEVATION** OVER W/ WITH ASTM A615 GR.40 FOR #3 & #4 BARS. **DESIGN DATA** ON CENTER WELDED WIRE FABRIC E.N. EDGE NAIL CONCRETE COVER OF REINFORCING STEEL SHALL BE MAINTAINED AS FOLLOWS, OUT TO OUT CENTER LINE UNLESS NOTED OTHERWISE. NGOC CODE: California Building Code, 2019 Edition CONCRETE POURED AGAINST EARTH ----- 3" MIN. 2. DESIGN VERTICAL LOADS: FORMED SURFACES BACK FILLED WITH EARTH ----- 2" MIN. ROOF (COMP. SHINGLES) -----8 PSF 20 PSF FORMED SURFACES EXPOSED TO WEATHER (#4 & #5) ------ 1 1/2" MIN Exp. 09/30/2/02/8 FORMED SURFACES EXPOSED TO WEATHER (#6 & LARGER) ----- 2" MIN. FORMED SURFACES EXPOSED TO INTERIOR SPACE ----- 3/4" MIN. EXTERIOR WALLS (STUCCO) ----- 17 PSF ---PROVIDE 90 DEGREE HOOK WITH A 12" EXTENSION FOR ALL HORIZONTAL BARS AT CORNERS AND INTERIOR WALLS (SHEET ROCK) ----- 9 PSF ---LEGEND INTERSECTION OF WALLS, FOOTING, AND CURBS. STAGGER SPLICES OF REINFORCING STEEL 3. LATERAL DESIGN: WHERE POSSIBLE TO MAINTAIN STRUCTURAL CONTINUITY. 3.1 WIND LOAD = 19.8 PSFAT THE TIME OF PLACING THE CONCRETE, THE REINFORCING STEEL SHALL BE FREE FROM LOOSE EXPOSURE B Designer: RUST AND OTHER COATINGS OR MATERIALS, STRAIGHTENED, AND SHALL BE ACCURATELY WIND SPEED = 95 MPHPLACED AND POSITIVELY SECURED IN DESIGNATED LOCATIONS AGAINST DISPLACEMENT BY 3.2 SEISMIC BASE SHEAR, V = 0.268W (LRFD) Michael S. Radu CONSTRUCTION AND CONCRETE OPERATIONS. SS = 2.18 S1 = 0.782 Fa = 1.20**SYMBOLS** SDS = 1.744 SD1 = 0.886 Fv = 1.70Pacific Blue Development DETAIL NUMBER **CONCRETE** RISK CATEGORY II 35 Colleen Way SEISMIC IMPORTANT FACTOR = 11. CONCRETE CEMENT SHALL CONFORM TO **2019 CBC** SECTION 1903, AND SHALL BE TYPE II. TYPE I CEMENT MAY BE HOLDOWN, SIZE & APPROX DETAIL & DETAIL SECTION SITE CLASSIFICATION D SHEAR WALL, SEE SHEAR SHEAR WALL Campbell, CA 95008 USED IN AREAS NOT IN CONTACT WITH EARTH. AGGREGATE SHALL BE HARDROCK, CONFORMING TO ASTM C-33, SEISMIC DESIGN CATEGORY E WALL SCHEDULE LOCATION NUMBER AND FREE OF ALKALI-REACTIVITY. WATER/CEMENT RATIO SHALL NOT EXCEED 55%. ACID SOLUBLE CHLORIDE 4. SOIL PRESUMPTIVE BEARING VALUE = 1,500 PSF SHEET NUMBER 408-504-6826 LENGTH OF WALL CONTENT SHALL NOT EXCEED 0.2 PERCENT OF CEMENT WEIGHT. CHLORIDE-FREE ADMIXTURES AND PLASTICIZERS POST FOR WORKABILITY MAY BE USED IF APPROVED BY THE TESTING LABORATORY AND ENGINEER. BECAUSE EXCESS **SHEATHING** GRID LINE BUBBLE WATER REDUCES CONCRETE STRENGTH, ADDING WATER AT THE SITE IS DISCOURAGED AND SHALL NOT EXCEED ONE Project: GRID NUMBER 1. U.O.N., USE DOUGLAS FIR OR OSB APA EXTERIOR, EXPOSURE1, RATED SHEATHING IN CONFORMANCE INSTALL ALL INSERTS, BOLTS, ANCHORS, AND REINFORCING BARS AND SECURELY TIE PRIOR TO PLACING CONCRETE. WITH THE U.S. COMMERCIAL STANDARDS PS-1. INSTALL WITH FACE GRAIN PERPENDICULAR TO JOISTS. FRAMING REFERRENCE TO STRUCTURAL WOOD INTERIOR REMODEL CONCRETE SHALL ATTAIN A MINIMUM ULTIMATE COMPRESSIVE STRENGTHS AT 28 DAYS OF 2,500 PSI. BEAM (1) 2. SHEARWALL SHEATHING SHALL BE 15/32" STRUCTURAL 1 w/ FASTENING AS NOTED IN SHEARWALL SCHEDULE STRUCTURAL SHEATHING CONCRETE SHALL BE PLACED IN A CONTINUOUS OPERATION BETWEEN PREDETERMINED CONSTRUCTION JOINTS. 16d SINKER NAILS MAY BE SUBSTITUTED FOR THE 10d COMMON NAILS INDICATED. BLOCK AT PANEL EDGES AS REQURED. **CALCULATIONS** CONCRETE SHALL BE CONTINUOUSLY CURED FOR 5 DAYS AFTER PLACEMENT IN ANY APPROVED MANNER. 3. ROOF SHEATHING SHALL BE 15/32" WITH A SPAN RATING OF 24/0. UNBLOCKED, w/ 8d COMMON NAILS OR 16d SINKER NAILS WOOD BLOCKING 6. THE LOCATION AND PROTECTION OF EXISTING UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR. THE @ 6" O.C. EDGE & BOUNDARY NAILING AND 10d COMMON NAILS OR 16d SINKER NAILS @ 12" O.C. FIELD NAILING. **1137 VIA JOSE** CONTRACTOR SHALL NOTIFY THE ENGINEER IF UTILITY PIPES RUN THROUGH, OR WITHIN 24" BELOW, ANY NEW UNDER-PINNED INSTALL WITH FACE GRAIN PERPENDICULAR TO RAFTERS. CONCRETE CONSTRUCTION. SAN JOSE, 4. FLOOR SHEATHING SHALL BE 3/4". MIN. SPAN RATING 48/24. UNBLOCKED. PROVIDE 10d COMMON NAILS OR 16d SINKER NAILS CONCRETE PAD JOIST OR RAFTER 7. PIPE OR DUCTS EXCEEDING ONE-THIRD THE SLAB OR WALL THICKNESS SHALL NOT BE PLACED IN STRUCTURAL @ 6" o.c. EDGE NAILING, 10d COMMON NAILS OR 16d SINKER NAILS @ 4" O.C. BOUNDARY NAILING, AND 10d COMMON NAILS 2 x 4 @ 16" O.C. STUD WALL CA 95120 CONCRETE UNLESS SPECIFICALLY DETAILED. OR 16d SINKER NAILS @ 10" o.c. FIELD NAILING. GLUE TO FLOOR JOISTS. INSTALL WITH FACE GRAIN PERPENDICULAR TO JOISTS. BEAM CONCRETE 8. PIPES MAY PASS THROUGH STRUCTURAL CONCRETE IN SLEEVES, BUT SHALL NOT BE EMBEDDED THEREIN. SLAB-ON-GRADE 9. CONCRETE SHALL NOT BE ALLOWED TO CURE IN TEMPERATURES LESS THAN 40° FAHRENHEIT FOR THE FIRST THREE DAYS. **ROUGH CARPENTRY** _____ CONCRETE STEM WALL & 10. MAXIMUM SLUMP: 4 INCHES. Job Number: FOOTING 1. FOR SCHEDULE OF MINIMUM NAILING SEE TABLE 2304.10.1 OF 2019 CALIFORNIA BUILDING CODE. UNLESS 21256 **EPOXIED ANCHORS** OTHERWISE NOTED, ALL NAILS SHALL BE COMMON NAILS. 2. PLACE JOINTS WITH CROWN UP. Date: WHERE EPOXIED ANCHORS (REINFORCING BARS OR ALL-THREADED RODS) ARE CALLED FOR IN THE 3. ADD ONE ADDITIONAL JOIST UNDER ALL PARALLEL PARTITIONS. SHEAR WALL SCHEDULE STRUCTURAL DRAWINGS, THE EPOXY USED SHALL BE THE SIMPSON SET-XP [ESR-2508]. SUBMIT MANUFACTURER'S December 18, 2021 4. BLOCK ALL JOISTS AT SUPPORTS AND UNDER ALL PARTITIONS WITH MINIMUM 2X SOLID BLOCKING. LITERATURE FOR SUBSTITUTE SYSTEM(S) TO ENGINEER FOR REVIEW AND APPROVAL. 5. METAL FRAMING DEVICES: **Revisions:** PROVIDE TYPICAL CONNECTORS FOR WOOD FRAMING BY SIMPSON CO. OR EQUAL. ALL CONNECTIONS SHALL BE PREMEASURE EPOXIES IN DISPOSABLE, TWO-PART CARTRIDGES DISPENSED THROUGH PROPRIETARY MIXING 16 GA. GALVANIZED SHEET METAL OR THICKER, U.O.N., FULLY NAILED IN ALL PUNCHED HOLES WITH NAILS OF NOZZLES ARE ACCEPTABLE. POLYSTER RESINS SHALL NOT BE SUBSTITUTED FOR EPOXY. INSTALL DOWELS SIZE AND LENGTH SPECIFIED AND/OR PROVIDED BY MANUFACTURER. IF CONNECTORS ARE AVAILABLE IN IN EXISTING CONCRETE OR BRICK PER MANUFACTURER'S RECOMMENDATIONS. SHEAR WALL SCHEDULE DIFFERENT SIZES, THE SIZE USED SHALL BE AS SHOWN IN DETAILS OR ELSE THE LARGEST SIZE MADE FOR THE DEPTH OF MEMBER BEING FRAMED. COMPARABLE FASTENERS BYOTHER MANUFACTURERS MAY BE USED IF SPECIAL INSPECTION APPROVED IN ADVANCE BY THE DESIGN ENGINEER. UNLESS OTHERWISE NOTED, PROVIDE THE FOLLOWING FRAMIING CONNECTIONS: SHEAR SOLE ANCHOR WALL EDGE NAILING A35 CLIP THE ENGINEER-OF-RECORD MAY BE RETAINED TO PERFORM THE SPECIAL INSPECTION / OBSERVATION FOR THE FOLLOWING ITEMS: NOTES: - SAWN LUMBER JOIST-TO-BEAM: ----- SIMPSON U TYPE LOAD SHEATHING (OR SCREWING) @ TOP PLATE BOLTS MATERIAL | NOTE 1 - BEAM-TO-POST: ----- SIMPSON PC SYMBOL (PLF) NAILING 5/8"x12 PLATES **EPOXIED HOLDOWN ANCHORS** NOTE 2, 3 - POST-TO-BEAM: ----- SIMPSON BC U.O.N. SHEATHING: 15/32" CD, CC PLYWD. w/ ALL EDGES BLOCKED. - POST-TO-FOUNDATION: ----- SIMPSON PB 10d @ 6" 24" O.C. 16d @ 6" O.C. 48" O.C. A SPECIAL INSPECTION FOR EACH ITEM MUST BE FURNISHED TO THE BUILDING INSPECTOR AT EACH STAGE. 310 15/32" PLYWD. 6. ALL FRAMING LUMBER SHALL BE GRADE STAMPED S-DRY (19% MOISTURE CONTENT FRAMING: 2x D.F. TYP. @ 16" O.C., 3x REQ'D. IF 10d W/ +1 5/8" PENETRATION, 2" OR 3" O.C. SAWN LUMBER: U.O.N. ALL FRAMING LUMBER SHALL BE DOUGLAS FIR LARCH (COAST REGION), GRADED AND MARKED IN ACCORDANCE 15/32" PLYWD. 10d @ 4" 16" O.C. | 16d @ 4" O.C. | 32" O.C. 460 TYPICAL FASTENERS: 8d OR 10d COMMON OR 10d SHORT w/ 12D WITH THE STANDARD GRADING RULES NUMBER 16 OF THE WEST COAST LUMBER INSPECTION BUREAU. NOTE 4 PENETRATION MIN., NAIL FIELD @ 12" O.C. POSTS, BEAMS ----- NO. 1 GRADE 15/32" PLYWD. 10d @ 3" 12" O.C. 16d @ 3" O.C. 24" O.C. JOISTS & RAFTERS ------ NO. 2 GRADE NOTE 4 Sheet STUDS ----- STUD GRADE 4. 3x AT PLATE AND PANEL EDGES AT WALLS W/ SHEAR 9" O.C. | 16d @ 2" O.C | 18" O.C. OVER 350 LBS. NAIL MIN. 1/2" FROM EDGE. 8. GLUE-LAMINATED LUMBER: 10d @ 2" ALL GLUE-LAMINATED MEMBERS SHALL BE DOUGLAS FIR COMBINATION 24F-V4; WET USE ADHESIVE; NOTE 4 ANCHOR BOLTS: (ASTM A-307) MIN. 7" EMBEDMENT. INDUSTRIAL APPEARANCE GRADE - (CONFORMING WITH AITC 117, CURRENT EDITION) 12" O.C. BENDING ----- Fb = 2,400 PSI HORIZONTAL SHEAR ----- Fv = 165 PSI W/ 3"x3"x1/4" PLATE WASHER. 2 ROWS 10d @ 3" 1200 15/32" PLYWD. 6" O.C. EACH EACH SIDE 16d @ 3" O.C SIDE COMPRESSION PERPENDICULAR TO GRAIN ----- Fp = 450 PSI 6. 4x BLOCKING NOTE 4 NOTE 6 MODULUS OF ELASTICITY ----- E = 1,800,000 PSI9. 'PARALLAM' BEAMS: AS MANUFACTURED BY WEYERHAEUSER COMPANY SIMPSON STRONG-WALL WSWH18x9 (TRIM TO FIT) BENDING ----- Fb = 2,900 PSI HORIZONTAL SHEAR ----- Fv = 290 PSI COMPRESSION PERPENDICULAR TO GRAIN ----- Fp = 750 PSI sheets MODULUS OF ELASTICITY ----- E = 2,200,000 PSI