STRUCTURAL NOTES

A. GENERAL

1. THE DRAWINGS ARE INTENDED TO SHOW THE GENERAL ARRANGEMENT, DESIGN AND EXTENT OF THE WORK AND ARE PARTIALLY DIAGRAMMATIC. THEY ARE NOT INTENDED TO BE SCALED FOR ROUGH–IN MEASUREMENTS, OR TO SERVE AS SHOP DRAWINGS OR PORTIONS THEREOF.
2. ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE ON THE PROJECT, EXCEPT WHERE A DIFFERENT DETAIL OR SECTION IS SHOWN.
3. PRIOR TO START OF CONSTRUCTION, THE CONTRACTOR AND ALL THE SUB–CONTRACTORS SHALL VERIFY ALL GRADES, LINES, LEVELS, DIMENSIONS AND COORDINATE EXISTING CONDITIONS AT THE JOB SITE WITH THE PLANS AND SPECIFICATIONS. THEY SHALL REPORT ANY INCONSISTENCIES OR ERRORS IN THE ABOVE TO THE ARCHITECT/ ENGINEER BEFORE COMMENCING WORK. THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL LAY OUT THEIR WORK FROM ESTABLISHED REFERENCE POINTS AND BE RESPONSIBLE FOR ALL LINES, ELEVATIONS AND MEASUREMENTS IN CONNECTION WITH THEIR WORK.
4. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE AND TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING CONSTRUCTION. THIS INCLUDES ANY REQUIRED SHORING, SHEETING, TEMPORARY BRACING, GUYS OR TIE DOWNS WHICH MIGHT BE NECESSARY. SUCH MATERIAL SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER THE COMPLETION OF THE PROJECT.
5. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.
6. THE CONTRACTOR SHALL USE THE STRUCTURAL DRAWINGS AND SPECIFICATIONS TOGETHER WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND OTHER TRADE DRAWINGS AND SHOP DRAWINGS, TO COORDINATE ALL DETAILS, DIMENSIONS, ELEVATIONS, ETC. NOTIFY ARCHITECT/ENGINEER, IN WRITING, OF ANY POTENTIAL CONFLICTS BEFORE PROCEEDING WITH THE WORK.
7. SHOULD ANY OF THE DETAILED INSTRUCTIONS SHOWN ON THE PLANS CONFLICT WITH THESE STRUCTURAL NOTES, THE SPECIFICATIONS, OR WITH EACH OTHER, THE STRICTEST PROVISION SHALL GOVERN.

C. FOUNDATION

1. FOUNDATIONS ARE DESIGNED TO BEAR ON NATURAL GRADE OR FILL, WELL COMPACTED OF AN ALLOWABLE BEARING CAPACITY, INDICATED ON THE FOUNDATION PLAN.
2. A CERTIFIED TESTING LABORATORY SHALL BE ENGAGED BY THE OWNER TO PERFORM SOIL BORINGS, PROVIDE A FOUNDATION REPORT AND VERIFY THAT THE REQUIRED MINIMUM BEARING CAPACITY WAS OBTAINED.
3. SAID SOIL CAPACITY SHALL BE CERTIFIED AND TESTED BY A REGISTERED FOUNDATION ENGINEER, PRIOR TO CASTING OF CONCRETE IN THE FOOTINGS.
4. BOTTOM OF FOOTING ELEVATION TO BE DETERMINED BY THE SOIL CONDITIONS AND FROST–LINE DEPTH.
5. ALL LONGITUDINAL REBARS IN THE WALL FOOTINGS, SHALL BE CONTINUOS AND SPLICED AS SPECIFIED. CONTINUE ALL HORIZONTAL REBARS AT BENTS AND CORNERS BY BENDING THE REBARS 48 BAR DIAMETERS AROUND THE CORNERS OR ADDING MATCHING CORNER BARS, EXTENDING 48 BAR–DIAMETERS INTO FOOTING EACH SIDE OF CORNER OR BENT.

D. REINFORCED CONCRETE

1. MATERIALS:
   - A. SPECIFICATIONS: IN GENERAL, COMPLY WITH ACI 301–(LATEST EDITION) "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS."
   - B. STRUCTURAL CONCRETE:

CLASS	LOCATION	F'c
I.	FOOTINGS, CAISSONS, & GRADE BEAMS	3,000
II.	INTERIOR SLABS ON GRADE, AND ALL INTERIOR CONCRETE NOT OTHERWISE IDENTIFIED	3,500
III.	PIERS PLACED INTEGRALLY WITH WALLS, EXTERIOR SLABS ON GRADE, AND ALL EXTERIOR CONCRETE (WITH AIR) NOT OTHERWISE IDENTIFIED	4,000
IV.	BACKFILL BELOW FOOTINGS AND GRADE BEAMS	1,500

   - C. ALL DEFORMED REINFORCING BARS: FY = 60,000.
   - D. GALVANIZED WELDED WIRE FABRIC SHALL CONFORM TO ASTM A165 (LATEST EDITION). USE SHEET FORM, NOT ROLLED.
2. FIELD MANUAL: PROVIDE AT LEAST ONE COPY OF THE ACI FIELD REFERENCE MANUAL, SP–15, IN THE FIELD OFFICE AT ALL TIMES.
3. CONTINGENCIES:
   - A. PROVIDE SUPPORTS AS REQUIRED TO MAINTAIN ALIGNMENT AND CONCRETE COVER OVER THE REINFORCING.
4. FOOTINGS:
   - A. VERTICAL DOWELS IN FOOTINGS TO MATCH VERTICAL WALL REINFORCING.
   - B. PROVIDE LEAN CONCRETE (CLASS IV) UNDER FOUNDATIONS FOR ACCIDENTAL OVER–EXCAVATION, SOFT SPOTS AND TRENCHES.
5. SPLICES: UNLESS NOTED OTHERWISE, MINIMUM LAP SPLICE LENGTHS TO BE AS FOLLOWS:
   - A. VERTICAL BARS IN WALLS, PIERS, OR COLUMNS (INCLUDING DOWELS) — 30 DIAMETER
   - B. HORIZONTAL BARS IN SLABS & FOOTING — 35 DIAMETER
   - C. HORIZONTAL BARS IN WALL — 45 DIAMETER
6. SAW–CUT & CONSTRUCTION JOINTS: PROVIDE JOINTS IN ALL SLABS–ON–GRADE, AS INDICATED ON THE FOUNDATION PLAN.
7. CONCRETE COVER: UNLESS NOTED OTHERWISE, DETAIL REINFORCING TO PROVIDE CONCRETE COVER AS FOLLOWS:
   - A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: — 3 INCHES
   - B. CONCRETE EXPOSED TO EARTH OR WEATHER:
     - #5 BARS AND SMALLER — 1–1/2 INCHES
     - OTHERS — 2 INCHES
   - C. CONCRETE NOT EXPOSED TO EARTH OR WEATHER: BEAM AND COLUMN BARS INCLUDING TIES, STIRRUPS AND SPIRALS — 1–1/2 INCHES
     - SLABS, WALLS, JOISTS: #11 BARS AND SMALLER — 1 INCH
     - OTHERS — 1–1/2 INCHES

E. STRUCTURAL STEEL

1. MATERIALS:
   A. STRUCTURAL STEEL: ASTM A36, FY = 36 KSI: ASTM A572. ANCHOR BOLTS: ASTM A307 OR A36: ELECTRODES: SERIES E70: EXPANSION BOLTS: HILTI "KWIK BOLTS" OR APPROVED EQUAL.
2. SPECIFICATIONS: WELDING PERSONNEL AND PROCEDURES ARE TO BE QUALIFIED PER AWS D1.1. UNLESS SPECIFICALLY SHOWN OTHERWISE, DESIGN, FABRICATION AND ERECTION TO BE GOVERNED BY: (ALL CODES – LATEST EDITION)
   - A. AISC SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS.
   - B. AISC CODE OF STANDARD PRACTICE.
   - C. STRUCTURAL WELDING CODE, AWS D1.1– OF THE AMERICAN WELDING SOCIETY.
3. CONNECTIONS: CONNECTIONS TO BE DESIGNED BY THE FABRICATOR TO DEVELOP FULL STRENGTH OF MEMBER OR FORCES SHOWN ON THE PLANS, WHICHEVER GOVERNS. FOLLOW INSTRUCTIONS ON DRAWINGS FOR GENERAL ARRANGEMENT OR PARTICULAR DETAILS.
4. GALVANIZING: ALL SHELF ANGLES, LINTELS IN EXTERIOR WALLS, AND ALL EXTERIOR STEEL EXPOSED TO THE ELEMENTS SHALL BE HOT DIP GALVANIZED.
6. MISCELLANEOUS:
   - A. PROVIDE HOLES FOR OTHERS. IF OPENING IS NOT SHOWN ON THE STRUCTURAL DRAWINGS, OBTAIN PRIOR APPROVAL.
   - B. STEEL SUPPORTING OR CONNECTED TO HVAC AND OTHER EQUIPMENT AND ROOF OPENINGS AS SHOWN ON THE DRAWINGS IS SHOWN FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL RECONCILE EXACT SIZE AND LOCATION BEFORE PROCEEDING WITH HIS WORK.
   - C. GROUT UNDER BEARING PLATES, BASE PLATES, AND SETTING PLATES TO BE NON–SHRINKING TYPE.
   - D. STEEL BELOW GRADE TO BE PROTECTED BY A MIN. OF 3 INCHES OF CONCRETE.
   - E. PROVIDE HEAVY WASHER AT ALL ANCHOR BOLTS.
   - F. EMBEDMENT LENGTH OF EXPANSION BOLTS INTO SOLID MASONRY OR CONCRETE SHALL BE AS FOLLOWS:
     - 1/2 INCH DIAMETER BOLTS ––– 3 1/2 INCHES EMBEDMENT
     - 3/4 INCH DIAMETER BOLTS ––– 5 INCHES EMBEDMENT

F. MASONRY

1. MATERIALS:
   - A. CONCRETE BLOCK: ASTM C90 (HOLLOW) ASTM C145 (SOLID).
   - B. MORTAR: ASTM C270 TYPE "S", AVERAGE COMPRESSIVE STRENGTH: 1800 PSI MINIMUM (AT 28 DAYS).
   - C. BOND BEAM AND CORE FILL: ASTM C476, COARSE TYPE.
   - D. JOINT REINFORCING: MILL GALVANIZED FINISH, 9 GAGE MINIMUM SIDE WIRES AND CROSS WIRES (LADDER OR TRUSS TYPE).
   - E. BAR REINFORCING: ASTM A615, GRADE 60.
2. REINFORCED MASONRY, WHERE VERTICAL BARS ARE TO BE GROUTED INTO CORES, THE FOLLOWING REQUIREMENTS APPLY:
   - A. PROVIDE DOWELS FROM FOOTING, SAME SIZE AND SPACING AS WALL BARS. LAP 12 INCHES MINIMUM WITH WALL BAR. EMBED INTO FOOTING 9 INCHES.
   - B. PROVIDE A CONTINUOUS VERTICAL CAVITY, AT LEAST 2"x3" IN SIZE, FREE OF MORTAR DROPPINGS.
   - C. AT SPLICES IN VERTICAL BARS, PROVIDE MECHANICAL COUPLERS OR 48 DIAMETER LAP.
   - D. ALL REINFORCEMENT MUST BE INSTALLED AND SECURELY ANCHORED IN PLACE PRIOR TO PLACEMENT OF GROUT.
3. MISCELLANEOUS:
   - A. FILL CORE SOLID AROUND ANCHOR BOLTS.
   - B. PROVIDE 100% SOLID BLOCKS OR SOLIDLY FILLED HOLLOW BLOCKS AT ALL EXPANSION BOLT LOCATIONS.
   - C. HOLLOW MASONRY UNITS TO BE LAID WITH FULL MORTAR COVERAGE ON HORIZONTAL AND VERTICAL FACE SHELLS. WEBS SHALL ALSO BE BEDDED IN ALL COURSES IN THE STARTING COURSE ON FOOTINGS, AND WHEN ADJACENT TO CELLS OR CAVITIES TO BE REINFORCED OR FILLED WITH CONCRETE OR GROUT. SOLID UNITS TO BE LAID WITH FULL HEAD AND BED JOINTS.
   - E. PROVIDE JOINT REINFORCING AT 16 INCHES, EXCEPT AS NOTED.
   - F. LAP JOINT REINFORCING 6 INCHES FOR STANDARD, 15 INCHES FOR HEAVY WEIGHT.
   - G. WHERE MASONRY UNITS ARE USED ABOVE HOLLOW UNITS OF A DIFFERENT THICKNESS, PROVIDE A CONTINUOUS COURSE OF 100% SOLID MASONRY (OR SOLID GROUTED BLOCK) AT LEAST 8 INCHES HIGH BELOW TRANSITION.

H. STRUCTURAL LUMBER

1. A. STUDS: STRUCTURAL LUMBER: DOUGLAS FIR–LARCH #2, OR APPROVED EQUAL:

SIZE	Fb	Ft	Fv	Fc⊥	Fc	E
2x4	1,500	825	90	565	1,650	1,600,000
2x6	1,250	725	90	565	1,600	1,600,000
2x8	1,200	650	90	565	1,550	1,600,000
2x10	1,050	600	90	565	1,500	1,600,000
2x12	975	550	90	565	1,450	1,600,000

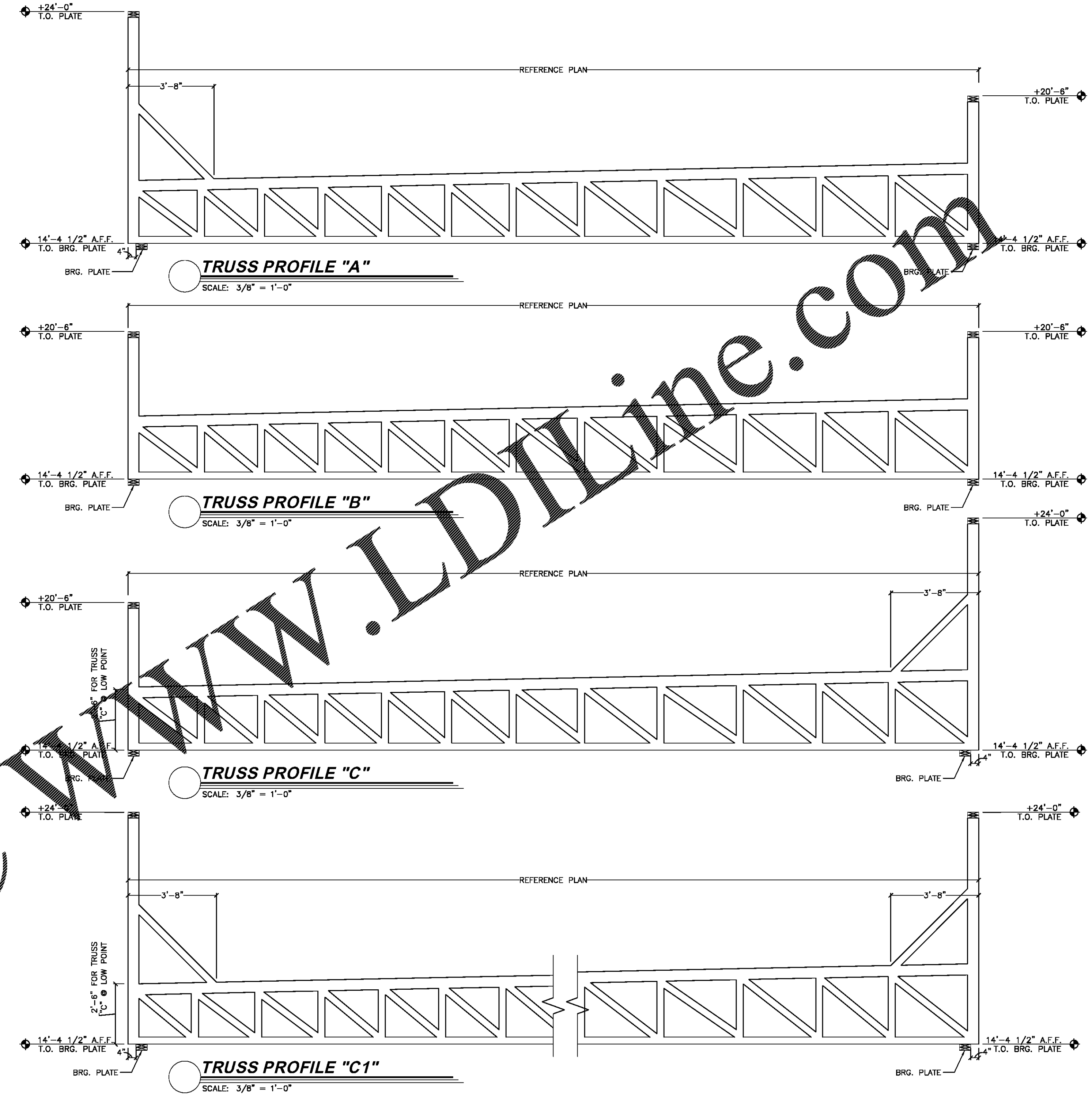
   - A. ROOF/WALL: ORIENTED STRAND BOARD: STRUCTURAL 1, EXPOSURE I, EXTERIOR GLUE. FOR ROOF AND WALLS PANEL IDENTIFICATION INDEX 24/16 – 5/8 INCH OR 24/0 – 1/2 INCH (WITH PLYWOOD CLIPS AT ROOF).
   - B. ROOF/WALL: PLYWOOD: C–CPLUGGED, STRUCTURAL 1, EXPOSURE 1. EXTERIOR GLUE FOR ROOF AND WALL PANEL IDENTIFICATION INDEX 24/16–5/8 INCH OR 24/0–1/2 INCH (WITH PLYWOOD CLIPS AT ROOF).
   - C. SILL PLATES: NO. 2 SPRUCE–PINE–FIR, OR EQUAL FC=675 PSI, FV=70 PSI, E= 1,200,000 PSI
2. SPECIFICATIONS: UNLESS SPECIFICALLY SHOWN OTHERWISE, DESIGN, FABRICATION AND ERECTION SHALL BE GOVERNED BY THE LATEST REVISIONS OF:
   - A. NATIONAL DESIGN SPECIFICATION FOR STRESS–GRADE LUMBER AND ITS FASTENINGS.
   - B. U.S. PRODUCT STANDARD PS–1 FOR SOFTWOOD PLYWOOD – CONSTRUCTION AND INDUSTRIAL.
3. CONNECTIONS:
   - A. JOISTS TO BEAMS – 16 GA. GALVANIZED STD. JOIST HANGERS, UNLESS SHOWN OTHERWISE.
   - B. PLYWOOD TO ROOF TRUSSES OR RAFTERS – NAILED – USE 8d RING SHANK NAILS AT 6 INCHES O/C AT PANEL EDGES AND 12 INCHES C/C AT INTERMEDIATE SUPPORTS. PROVIDE PLYWOOD CLIPS AT MID–SPAN OF PLYWOOD BETWEEN SUPPORTS.
4. ALL STRUCTURAL WOOD TO BE SURFACED FOUR (4) SIDES (S–4–S) A AND MAXIMUM MOISTURE CONTENT OF 19 PERCENT.
5. ALL LUMBER AND PLYWOOD IN CONTACT WITH CONCRETE, STUCCO, MASONRY OR OTHER CEMENTITIOUS MATERIALS SHALL BE TREATED WITH AN E.P.A. ACCEPTABLE WOOD PRESERVATIVE (SUCH AS "AQC" – ALKALINE–COPPER–QUATERNARY OR "CBA–A" COPPER AZOLE TYPE A & B).
6. ALL WOOD CONNECTORS SHALL BE GALVANIZED STEEL OR RUST–PROOF PAINTED STEEL (U.O.N.). ALL GALVANIZED METAL CONNECTORS IN CONTACT WITH TREATED WOOD (ITEM #5) SHALL BE "TRIPLE–ZINK G–185" GALVANIZED. ANY FIELD WELDS (INTERIOR OR EXTERIOR) OF SUCH CONNECTORS SHALL BE WIRE BRUSH CLEANED AND RUST PROOF PAINTED.
7. MISCELLANEOUS:
   - A. USE ONE LINE OF SOLID BLOCKING OR CROSS BRIDGING AT 8'– 0" O/C MAX. FOR ALL JOISTS AND RAFTERS, USE SOLID BLOCKING AT JOIST AND RAFTER BEARING.
   - B. USE SOLID BLOCKING AT MID–HEIGHT FOR ALL EXTERIOR STUD WALLS AND INTERIOR BEARING PARTITIONS.
   - C. USE DOUBLE STUDS UNDER BEAM AND LINTEL BEARING, UNLESS SHOWN OTHERWISE.
8. WOOD FRAMING NOTES:
   - A. ALL WORKMANSHIP SHALL CONFORM TO THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION, PUBLISHED BY THE NATIONAL FOREST PRODUCTS ASSOCIATION, AND TO THE INTERNATIONAL BUILDING CODE.
   - B. LUMBER SIZES SPECIFIED ON THE PLANS ARE MINIMUM NOMINAL DIMENSIONS.
   - C. ALL LUMBER SHALL BE IDENTIFIED BY AN AFFIXED GRADE MARK OF A LUMBER GRADING AGENCY OR INSPECTING AGENCY.
   - D. UNLESS NOTED OTHERWISE, LUMBER FOR BEAMS, HEADERS, AND JOISTS SHALL BE SOUTHERN YELLOW PINE #2. LUMBER FOR RAFTERS SHALL BE SPRUCE–PINE–FIR #2, AND LUMBER FOR STUDS SHALL BE SPRUCE–PINE–FIR STUD GRADE.
   - E. FINGER JOINTED SPRUCE–PINE–FIR #2 LUMBER MEETING PRODUCT STANDARD SPS1 AND C/QC101.97 MAY BE USED FOR RAFTERS. FINGER JOINTED STUD GRADE SPRUCE–PINE–FIR LUMBER MEETING PRODUCT STANDARD SPS3 AND C/QC101.97 MAY BE USED FOR STUDS.
   - F. ALL LUMBER AND WOOD STRUCTURAL PANEL MEMBERS, INCLUDING PRESERVATIVE–TREATED, 2" INCH THICK AND LESS, SHALL CONTAIN NOT MORE THAN 19% MOISTURE AT THE TIME OF INSTALLATION.
   - G. PROVIDE PRESSURE TREATED LUMBER AT ALL LOCATIONS SPECIFIED ON THE DRAWINGS. GENERAL CONTRACTOR TO VERIFY COMPATIBILITY OF ALL METAL FASTENERS, CONNECTORS, AND HARDWARE WITH THE TYPE OF CHEMICALS USED ON ALL PRESSURE–TREATED LUMBER.
   - H. PROVIDE SIMPSON STRONG–TIE, OR APPROVED EQUAL, CONNECTORS AT ALL LOCATIONS SHOWN ON THE PLANS.
   - I. LAMINATED VENEER LUMBER (LVL) SHALL HAVE THE FOLLOWING MINIMUM DESIGN PROPERTIES, FB = 2600 PSI, FV = 285 PSI, E = 2.0E6 PSI.
   - J. GLULAM BEAMS ARE TO BE 24F–V3 LAMINATION COMBINATION WITH CAMBER RADIUS OF 1600 FEET, UNLESS NOTED OTHERWISE ON THE PLAN. MEMBERS SHALL BE MARKED IN ACCORDANCE WITH ANSI STANDARD A190.1 NO HOLES OR NOTCHES ARE TO BE CUT IN GLULAMS WITHOUT WRITTEN APPROVAL FROM THE ENGINEER.
   - K. WOOD I–JOISTS INDICATED "APA PRI" ARE TO CONFORM WITH THE AMERICAN PLYWOOD ASSOCIATION PERFORMANCE RATED SPECIFICATION. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

I. PREFABRICATED WOOD TRUSSES

1. MATERIALS:
   - A. LUMBER: SEE "STRUCTURAL LUMBER" SECTION FOR WOOD INFORMATION.
   - B. METAL CONNECTOR PLATES: GALVANIZED SHEET STEEL ASTM A446 (LATEST EDITION) GRADE "A". COATING CLASS G60 PER ASTM A525 (LATEST EDITION). MANUFACTURED WITH HOLES, PLUGS, TEETH, OR PRONGS UNIFORMLY SPACED AND FORMED. SEE "STRUCTURAL LUMBER" SECTION FOR GALVANIZED CONNECTIONS FOR TREATED WOOD.
2. DESIGN CRITERIA:
   - A. LOADING:
     - TOP CHORD LIVE LOAD: 20 PSF
     - TOP CHORD DEAD LOAD: 20 PSF + MECH EQUIP.
     - BOTTOM CHORD DEAD LOAD: 10 PSF
     - NET WIND: 10 PSF
   - B. DESIGN OF MEMBERS AND CONNECTIONS IS TO BE BY A PROFESSIONAL ENGINEER, REGISTERED IN THE STATE OF THIS PROJECT, EXPERIENCED IN SIMILAR DESIGN, RETAINED BY THE TRUSS MANUFACTURER.
   - C. SHOP DRAWINGS SHALL BE SIGNED AND SEALED BY THE ENGINEER RESPONSIBLE FOR THE TRUSS DESIGN. IN ADDITION, SIGNED AND SEALED DESIGN CALCULATIONS FOR THESE TRUSSES SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW.
   - D. MEMBER SIZES SHOWN ARE MINIMUM SIZES.
   - E. MAXIMUM LIVE LOAD DEFLECTION IS TO BE L/360.
   - F. MAXIMUM TOTAL LOAD DEFLECTION IS TO BE L/240.
3. MISCELLANEOUS:
   - A. BOLT TOP CHORDS OF ALL MULTIPLE MEMBER TRUSSES TOGETHER WITH 1/2"ø BOLTS AT 4'–0" O.C.. BOLT WEB MEMBERS TOGETHER WITH 1/2"ø BOLTS AT 2'–0" O.C. AT CONCENTRATED LOADS, UNLESS OTHERWISE SPECIFIED BY THE TRUSS DESIGN ENGINEER.
   - B. VERIFY ALL DIMENSIONS, ELEVATIONS AND SLOPES PRIOR TO MANUFACTURING. REPORT ANY DISCREPANCIES IMMEDIATELY TO THE ARCHITECT.
   - C. WOOD TRUSSES SHALL BE DESIGNED AND FABRICATED TO CONFORM TO THE GEOMETRY SHOWN ON THE DRAWINGS. WEB CONFIGURATIONS ARE TO BE DETAILED AS REQUIRED BY THE DESIGNER/FABRICATOR.
   - D. PROVIDE 2x4 BOTTOM CHORD BRIDGING AT A MAXIMUM SPACING OF 10'–0" O.C.

J. ABBREVIATIONS:

- T = TOP
- B = BOTTOM
- C.M.U. = CONCRETE MASONRY UNIT
- E.F. = EACH FACE
- E.W. = EACH WAY
- E.E. = EACH END
- O.C. = ON CENTER
- T.O.F. = TOP OF FOOTING ELEVATION
- T.O.S. = TOP OF SLAB ELEVATION
- T.O.W. = TOP OF WALL ELEVATIONS
- S.O.G. = SLAB ON GRADE
- W.W.F. = WELDED WIRE FABRIC
- U.N.O. = UNLESS NOTED OTHERWISE
- TYP = TYPICAL
- T.B. = TRUSS BEARING ELEVATION
- J.B. = JOIST BEARING ELEVATION
- L.L.V. = LONG LEG VERTICAL
- L.L.H. = LONG LEG HORIZONTAL



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BURGER KING RESTAURANT
#06–0008–021–00–00

STRUCTURAL TRUSS ELEVATIONS AND NOTES

S-3.0