GENERAL NOTES:

- The notes on the drawings are not intended to replace specifications. in addition to general notes. See specifications for requirements
- Structural drawings shall be used in conjunction with job specifications and architectural, mechanical,
- Structural drawings shall be used in conjunction with job specifications and architectural, mechanical, electrical, plumbing, and site drawings. Consult, openings, chases, inserts, reglets, sleeves, depressions, and other details not shown on structural drawings.
 All dimensions and conditions must be verified in the field. Any discrepancies shall be brought to the attention of the engineer before proceeding with the affected part of the work.
 Do not scale plans.
 Sections and details shown on any structural drawings shall be considered typical for similar conditions.

- 6. All propietary products shall be installed in accordance with the manufacturers written instructions.
- 7. The structure is designed to be self supporting and stable after the erection is complete. It is the
- contractor's sole responsibility to determine erection procedures and sequencing to ensure the safety of the building and its components during erection. This includes the addition of necessary shoring, sheeting temporary bracing, guys or tiedowns. Such material shall remain the property of the contractor after completion of the project
- 8. All applicable federal, state, and municipal regulations shall be followed, including the federal department of occupational safety and health act

DESIGN LOADS:

- 1. Building code: IBC (2009) International Building Code. 2. Design Live Loads: (Ground Snow load = 50 psf)
- Roof 45 psf (+ drift as applicable) Residential floor 40 psf 100 psf
- Corridors, stairways, exits
- 3. Design wind loads are based on exposure C using 100 mph basic wind speed. 4. Seismic Design per IBC 2009

STRUCTURAL STEEL NOTES:

- Structural steel fabrication, erection, and connection design shall conform to AISC "Specification for the design, fabrication, and erection of structural steel"-Ninth edition.
- 2. Structural steel:
- a) Structural steel shall conform to ASTM A-36.
- b) Structural tubing shall conform to ASTM A-500 GR-B c) Structural pipe shall conform to ASTM A-53, TYPE E OR S
- 3. The fabricator shall design connections for the reactions shown on the drawings or the maximum end reaction that can be produced by a laterally supported uniformly loaded beam for each given beam size and span.
- 4. Field connections shall be bolted using 3/4" diameter ASTM A325 high strength bolts except where field
- welding is indicated on the drawings. 5. All welding shall conform to AWS D1.1-Latest edition. Welding electrodes shall be E70XX.
- Structural Steel Primer Paint. TNEMEC 10-99 Alkyd rust inhibitive primer, 2.0 to 3.5 mils dry thickness, or approved alternate. Structural Steel Top Coat for steel permanently exposed to view. TNEMEC series 2 TNEMEC-GLOSS Enamel, 3.0 to 5.0 mils dry thickness, or approved alternate.
- Complete shop drawings and schedules of all structural steel shall be prepared by the contractor and submitted to the engineer for review prior to commencement of that portion of the work. All accessories must be shown on the shop drawings. Submit (2) black line prints to the Engineer/Architect.

TIMBER FRAMING:

- 1. All Timber framing shall be in accordance with the AITC timber construction manual or the national design specification (NDS) - latest edition
- Individual finber framing members shall be visually graded, minimum grade #2 Spruce-Pine-Fir (SPF), kiln dried to 19% maximum moisture content.
- 3. Timber shall be southern yellow pine treated with ACQ water borne preservative in accordance with AWPA treatment C1 with 0.40 PCF retainage for items in contact with roofing, masonry or concrete with 0.60 PCF retainage for items in contact with earth.
- Metal connectors shall be used at all timber to timber connections or as noted on the design drawings. All metal connectors in contact with pressure treated timber shall be stainless steel.
 Provide Simpson H2.5A hurricane anchors where timber framing and/or trusses bear on bearing wall and
- 6. Provide 5% thick APA rated exterior wall sheathing fastened w/ 10d nails @ 4" oc. at panel edges and 6" oc. at panel edges and 6".
 8. Provide ½" thick APA rated exterior wall sheathing fastened w/ 10d nails @ 4" oc. at panel edges and 6" oc. at panel edges and 6".
 8. Provide ½" thick APA rated roof sheathing fastened w/ 10d nails @ 6" oc. at panel edges and 6".
- 9. Provide $\frac{3}{4}$ " thick APA rated floor sheathing fastened w/ construction adhesive and 10d ring shank nails @
- 6° o.c. at panel edges and intermediate. 10. LVL indicated laminated veneer lumber beams and posts shall be manufactured by Boise Cascade or approved equal.

EXISTING & X10 @ 16 0.C. RC JOISTS (V.I.)F.) (**) FASTEN BEAMS TOGETHER W/(4)½"& THRU BOLTS MIN. (TYP.) ** EXISTING 6"x9" TIMBER BEAM (DROPPED) (V.I.F.) ** EXISTING HANGERS, (V.I.F.) 4"x8" POST TIMBER E ** (E) JAN LUL EXISTING 12" THICK (3 WYTHE) 3.2.2 EXTERIOR BRICK MASONRY WALL (V.I.F.). REPAIR LOOSE BRICK AND RE-MORTAR TX(E) W14 STEEL BEAM '. ≒ 13'-0" AFF (V.I.F.) ELEV. NOS NOS V 34x113 LVI JOISTS AS REQUIRED (TYP.) BCH N A 584 EXISTING 2x4 @ 16" O.C. INTERIOR -BEARING WALL (V.I.F.). ADD 2x4 FULL HEIGHT AT EACH STUD (TYP.) (ie: 2-2x4 @ 16" O.C. TYP.) 220 2 52 -SAX -SE VERIFY (E) OR INSTALL 2-2×10 BLOCKING EXISTING 2"x9" BENEATH WALL ABOVE W/(2) SIMPSON A35 FRAMING ANGLES AT BOTH ENDS OF EACH 24" O.C. ROOF and a start JOISTS (V.).F.) PIECE (NOT SHOWN FOR CLARITY) (V.I.F.) (TYP.) 6x6 TEMP. SUPPORT EXISTING ROOF AND -3 52 TOWER STRUCTURE ABOVE AS REQ'D TO PLUMB CUT EXISTING ROOF JOISTS TO WITHIN %" FROM FACE OF NEW LVL BEAM AND FASTEN JOISTS TO LVL A ST ŕ∕(E) ₩8 ELEV. Š BEAM W/SIMPSON U210R HANGERS SKEWED AS REQ'D AND SHIMMED TIGHT AFF (V.I.F. INSTALL 5½×9½ LVL BEAM FLUSH FRAMED IN ROOF SYSTEM AT CENTER OF TOWER WALL AS SHOWN (TYP.) ેર્ OPEN FOR SERVICE EXISTING STEEL BEAM TO REMAIN (TYP.) HSS4×4×1 TUBE 3A S2 (SEE SECTION 4/S2) COPE BOTTOM AND TOP FLANGE ON ONE SIDE OF W6 BEAMS AS REQ'D TO FIT. (SEE SECTION 1/S2 FOR CONN. OF W6 TO 4x4 TUBE (TYP.) رنينو 😽 INSTALL HSS4x4x¹/₄ TUBE STEEL BEAMS. SUPPORT ON EXISTING MC12 AT ONE END AND EXISTING S4 AT OPPOSITE END. FASTEN W/4," FILLET WELD 2" MIN. LONG ON BOTH SIDES (TYP. AT BOTH ENDS). SEE SECTION 1/S2 FOR CONN. TO EXISTING W4 (TYP.) ي بي بي اف الج EXISTING S9 (DROPPED) STEEL BEAM (V.I.F.) T/STEEL ELEV. = 13'-0" AFF (V.I.F.) (= BOTTOM OF EXISTING ROOF JOISTS TYP. V.I.F.) 3A S2 (E) MC12×35 (E) MC12x35 BOT STEEL ELEV. = -10'-9≩" AFF (TO MATCH BOT/EXIST. ROTATED S4 STEEL BEAM) EXISTING S4x9 5 (VIE) (BOT STEEL -ELEV. = 11'-02'' AFF (V.I.F.) ***COPE BOTTOM FLANGE OF W6 ON BOTH SIDES OF EXISTING S4x9.5 (ROTATED W/FLANGES -BEAM TO FIT. SEE SECTION 1/S2 FOR CONN. (TYP.) VERTICAL) (V.I.F.) (BOT STEEL ELEV. = 10'-9≹" AFF) (V.I.F.) *** \overline{A} S2 / 8" 8" 3'-0" (V.I.F.) 2'-4" (V.I.F 4" (V.I.F. (E) W6x20 BOT STEEL ELEV = -EXISTING S4x9.5 (VIE) (BOT -4'-3<u>3</u>" (V.I.F.) $10'-9\frac{3}{4}$ " AFF (TO MATCH BOT/MC12) STEEL ELEV. = 11'-02" AFF) *** 7'-8" (V.I.F.) (E) MC12x35 BOT STEEL ELEV. = COPE BOTTOM FLANGE OF WE ON BOTH SIDES OF -10'-9³/₄" AFF (TO MATCH BOT/EXIST. ROTATED S4 STEEL BEAM) BEAM TO FIT. SEE SECTION 1/S2 FOR CONN. (TYP.

> PARTIAL ROOF FRAMING PLAN 1/2" = 1'-0"

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- NOTES: 1. "*" INDICATES: SIMPSON TIE DOWNS (SEE SECTION 2/S2) (TYP. 4 PLACES) THE DOWNS (SEE SECTION 2/S2) (TYP. 4 PLACES) THE DOWNS (SEE SECTION 2/S2) (TYP. 4 PLACES)

