## STRUCTURAL GENERAL NOTES - APPLICABLE TO ALL CONSTRUCTION UNLESS OTHERWISE NOTED ON THE PLANS A. DESIGN SCOPE BY PRECISION STRUCTURAL ENGINEERING (PSE) H. WOOD: 1. Design Shown on drawings by PSE is for the following items. GENERAL: a. Foundation and framing. 2. Design Shown on PSE drawings does not include: finishes, architectural items, windows, doors, moisture barriers, water proofing, mechanical units, plumbing, or electrical items. B. GENERAL REQUIREMENT 1. Furnish all labor, materials, and equipment necessary to complete the work shown or inferred by these drawings. 4. Reference specifications for more requirements. 2. Where construction details are not shown or noted for any part of the work, such details shall be the same as for similar work shown on the 3. Notes and details on the drawings take precedence over the general notes and typical details in case of conflict. MATERIALS 4. Provide manufacturer's approved product evaluation reports (ICBO reports) and a list of all proposed substitutions to the Engineer for review STICK FRAMING: and written approval before fabrication 5. Pipes, ducts, sleeves, chases, etc. shall not be placed in slabs, beams, or walls unless specifically shown or noted nor shall any structural member be cut for pipe, ducts, etc., unless specifically shown. Obtain prior written approval for installation of any additional holes, ducts, etc. 6. Locate and protect underground or concealed conduit, plumbing or other utilities where new work is being performed. 3. All timbers to be FSC rated. 7. The contract drawings and specifications represent the finished structure and do not indicate methods, procedures or sequence of construction. The contractor shall take necessary precautions to maintain and insure the integrity of the new and any existing structures GLUED-LAMINATED TIMBER: during construction. The design stresses shall not be exceeded during construction based on the age of each element . Neither the owner nor Architect/Engineer will enforce safety measure regulations. Contractor shall design, construct and maintain all safety devices, including shoring and bracing for the new and any existing structures and shall be solely responsible for conforming to all local, state and federal safety and health standards, laws and regulations. Observation visits to the site by the engineer shall not include inspection of the above items. 8. Obtain prior written approval for any changes to the drawings. 9. The contractor shall review and compare the structural drawings with all other Construction Documents, such as Architectural, Mechanical and 2. Submit certificate by one of the above agencies to the Engineer and the Building Inspector prior to installation. Electrical drawings, specifications, etc. Do not scale drawings. The contractor shall verify dimensions, elevations and all information. Report, in writing, any inconsistencies, errors, or omissions to the Architect/Engineer of record before proceeding with the work. AITC 110 10. All existing constructions shown are schematic only. Contractor is responsible to verify actual conditions and allow for them in his bid. Notify the Architect/Engineer, in writing, in case of any discrepancy between actual conditions and what is shown on the structural drawings before individually wrapped. proceeding with the work. 11. See Architectural, Mechanical, Electrical and other drawings for embedded items. 12. Camber shall be provided for all members with 30 feet or more of span. Check beam table and contact the Structural Engineer for the amount of camber. a) Beams with simple spans shall have combination 24F-V4 or better. 13. Shop drawings: a) Shop drawings shall be submitted in the form of two copies. JOISTS/ RAFTERS: b) Prior to submittals, the general contractor shall review all submittals for conformance with the Construction Documents and shall stamp submittals as being "Reviewed for Conformance". c) Any detail on the shop drawing that deviates from the Construction Documents shall be marked with the note "This is a change" d) Shop drawing submittals processed by the Structural Engineer are not Change Orders. e) Shop drawings shall be submitted to the Architect/Engineer prior to fabrication and construction regarding all structural items including: -Concrete and masonry reinforcement, drawings shall conform to ACI 315 and ACI 318. -Structural steel, drawings to conform to AISC. STUDS: -Glued-Laminated members, drawings to conform to AITC. -Prefabricated wood joists and trusses, drawings to conform to ICBO product evaluation report. 2. Studs shall have full bearing on plates and sills. -Wood trusses, drawings to conform to UBC. 3. Provide blocking at all ceiling levels. f) Shop drawinas or calculations submitted for review that require re-submittal for re-review, as determined by the Structural Engineer, shall be billed hourly to the general contractor. Re-review will not proceed without written approval from the general contractor for additional TOP PLATES AND/OR CHORDS: enaineerina services. 14. Submit seismic anchorage calculations stamped by a licensed Professional Engineer for all equipment and components weighing more than 400 lb. SHEATHING: 15. Submit structural drawings signed and sealed by a professional Engineer licensed in the State where the project is located for any structural member needed for this project that is not designed by P.S.E. 17. Any substitutions for structural members, hardware or details shall be reviewed by the Architect and Structural Engineer. Such review will be panel edges. billed on a time and materials basis to the General Contractor with no guarantee that the substitution will be allowed. 18. All communication shall be in writing. No verbal communications, decisions, instructions or approvals shall be valid. I. WOOD CONNECTIONS: C. CODE AND LOADS: 1. All design, material, and construction work for this project shall conform to the 2010 Oregon Structural Speciality Code (OSSC) based on the 2009 International Building Code (IBC). 2. The 2009 International Building Code design parameters. b. Floor Dead Load = 15 psf. a. Floor Live Load = 40 psf. Nails shall be common wire unless otherwise noted. c. Roof Live Load = n/a. d. Roof dead load 10 psf. f. Flat Roof snow load = 32 psf. e. Ground Snow Load, Pg = 45 psf. q. Snow Exposure Factor, Ce = 1.0h. Snow Load Importance Factor, I = 1.0 i. Thermal Factor, Ct = 1.0 i. Basic Wind Speed (3 second gust) = 95 mph k. Wind Importance Factor, Iw = 1.00I. Wind Exposure = C Use 5/16 inch thick X 3" X 3" washers, typ. m. Internal Pressure Coefficient = 0.55 n. Components and Cladding studs = 21 psfo. Seismic Importance Factor, le = 1.0 p. Ss = 0.881 q. S1 = 0.341 r. Site Class = D s. Sms = 1.011 t. Sm1 = 0.586 to at least the length of the threaded portion. v. Sd1 = 0.391 u. Sds = 0.674

- x. Basic Seismic Force Resisting System = Special Reinforced Masonry Shear Walls z. Approximate Fundamental Period, T = 0.104
- aa. Response Modification Factor, R = 5bb. Analysis Procedure Used = Equivalent Lateral Force Procedure
- INSPECTION
- 1. All construction shall be inspected by the building officials according to the above Code. 2. It is recommended that the owner or the contractor hire Precision Structural Engineering or other Qualified Licenced inspectors to provide inspection during construction.
- E. CONCRETE: 1. MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF CONCRETE.

w. Seismic Design Catagory = D

y. Design Base Shear = 0.135 \* W

	MINIMUM SPECIFIED
TYPE OR LOCATION OF CONCRETE	COMPRESSIVE STRENGTH (F'c)
	SEVERE
BASEMENT WALLS, FOUNDATION AND OTHER CONCRETE	2,500 PSI
BASEMENT SLAB AND INTERIOR SLABS ON GRADE, EXCEPT	2,500 PSI
BASEMENT WALLS, FOUNDATION WALLS, EXTERIOR WALLS AND OTHER VERTICAL CONCRETE WORK EXPOSED TO WEATHER.	3,500 PSI
PORCHES CARPORT SLABS AND STEPS EXPOSED TO THE WEATHER, AND GARAGE FLOOR SLABS.	3,500 PSI

- 3. Basement wall, foundation wall, basement slab, slab on grade, all concrete work exposed to weather, and all exterior concrete shall contain the proper admixtures to obtain 5% to 7% Air Entrainment. All interior concrete work shall contain 2% to 4% Air Entrainment.
- 4. Reinforcing Steel: a) All reinforcing steel shall be ASTM A615 Grade 60.
- b) Vertical bars shall be doweled to supporting members with the same size and spacing of reinforcement shown in the drawing or general notes. c) Splices shall be 55 bar diameters or 36 inches whichever is greater UON.
- 5. When air temperature is above 80 degrees Fahrenheit, Hot Weather Concreting, ACI 305R shall apply. When the average air temperature is below 40 degree Fahrenheit, Cold Weather Concreting, ACI 306R shall apply.
- FOUNDATION
- 1. PSE recommends that the owner/contractor order geotechnical investigation report. Due to the lack of specific geotechnical information for this site, foundation was designed on an assumed bearing capacity of 1500 PSF. PSE is ot responsible for any future defects resulting from unreported condition mitigating the above assumption. 2. Soft soil or fill material shall be removed and replaced with competent granular engineering fill or lean concrete. The new fill shall be compacted in 8" layers to gain 98% of its maximum dry density according to ASTM D-698 standard
- proctor, and be capable of supporting the above bearing capacity. 3. Footing shall be stepped as required to maintain minimum required frost depth, below finished grade.
- 4. Use light weight equipment to compact the soil within 2 feet around foundation/basement wall. 5. Excavation shall be properly back filled Back fill for walls shall be pervious material. Do not place back fill behind walls before they have attained their design strength. Shore and protect walls from lateral loads until the supporting members are in place and have developed specified strength.
- 6. When the finished crawl space elevation is lower than the outside finished grade, or when it is required by the Geotechnical investigative report or building department, provide 4 inch diam. perforated drain pipe below the top of the footing. Encase the pipe in 18x18 inches free—drain crushed stone and fabric at the perimeter of the crushed stone. 7. Roof and area drainage shall be directed away from the foundation.
- G. FROST DEPTH: Klamath County: 24"

- 1. All wood exposed to the weather or in contact with concrete or masonry shall be pressure treated or protected with a waterproof membrane. Newly exposed surfaces resulting from field cutting, boring or handling shall be field treated in accordance with AWPA M-4. 2. Maintain 1/2 inch air space at sides and at ends for beam pockets in concrete or masonry. Minimum bearing is 3 inches UON. 3. Wood framina members, sheathing and combustible materials shall not be placed closer than 2 inches to chimney walls. The gap shall be fire stopped using a minimum of 1 inch thick noncombustible materials, UON.
- 5. It is required that the contractor keep a copy of the Simpson catalog and/or Simpson Installation Manual on site at all times, and shall be used with the installation process at all Simpson connections.
- 1. All wood Stick Framing shall be Douglas Fir/Larch #2 (DF #2) or better unless otherwise noted on the drawings. Comply with PS 20, American softwood lumber standard and standard grading rules for western lumber. 19% maximum moisture content at time of placement. 2. All wood members shall be stamped showing wood grade and the grading agency.
- 4. All materials to be low V.O.C. and non-urea formaldehyde.
- 1. Glued-Laminated timber shall be manufactured, inspected, and tested according to:
- a) American National Standard for Wood products-Structural Glued Laminated Timber, ANSI/AITC A190.1 -1992 b) Standard Specification for Structural Glued-Laminated Timber of Softwood Species, AITC 117; Manufacturing.
- c) Design and Standard Specifications for Hardwood Glued-Laminated Timber, AITC 119.
- In case of conflict, the most stringent requirement shall apply.
- 3. Glued-Laminated timber shall have wet-use adhesive, ASTM D2559. Lamination shall be 2 inches nominal. Appearance shall be Industrial, 4. Colorless end sealer shall be applied immediately to the ends of all members after fabrication and field trimming. Members shall be
- 5. Pressure treatment shall be provided for all members exposed to weather and not protected by a roof or eave overhang.
- 6. All cuts, holes, etc. shall be re-coated as recommended by the manufacturer.
- 7. Glued-Laminated timber shall have the following minimum combination and strength:
- b) Continuous beams shall have combination as shown on plans.
- 1. Provide a copy of the manufacturer's approved ICBO product evaluation reports. 2. Wood joists shall be installed according to the manufacturer recommendations and as shown on drawings. Blocking, web stiffeners and bridging etc. shall be as required by the manufacturer's approved ICBO product evaluation reports. 3. All joists ceiling joists and rafters shall have a minimum of 1-1/2 inches bearing at each end on wood or metal, and not less than 3 inches on masonry or concrete. Use approved joist hanger if bearing is not provided. 4. Install full depth solid blocking or cross bracing at intervals not exceeding 8 feet for all joists and rafters 2x12 inches and deeper.
- 1. Double full height studs shall be used at both ends of all walls shown on the structural drawings, UON.
- 4. Provide multiple studs under beams or trusses to match width of supported member, typical.
- 1. Top plates or chords shall be continuous over headers UON.
- 2. Top plates shall be two pieces, same size as studs. Stagger splices 4'-0" minimum. Center splices over studs UON.
- 1. All wood structural panels shall be stamped with the appropriate grade trademark of the American Plywood Association (APA). 2. Block structural panel with 2X4 inch flat blocking where noted on roof or floor framing plans. Use ply clips at mid-span of unsupported 3. Maintain 1/8" air space between structural panels in walls, floors and roofs at ends and at edges or as specified by the manufacturer.
- 4. Wood structural panels shall be manufactured using exterior glue and shall be not less than 4X8 feet except at boundaries.
- 1. It is required that the contractor keep the Simpson catalog and/or Simpson Installation Manual on site at all times to be used during the installation of all typical Simpson connections.
- All exposed steel timber hardware, fasteners and connectors shall be galvanized.
- Connector Hardware model numbers are those for the Simpson-Strong Tie Company. Size and number of nails, screws or bolts to be the maximum specified by the manufacturer UON.
- Machine nailing: The use of machine nailing is subject to continued satisfactory performance. Panel nails shall be driven so that the heads are flush with the surface of the panel and the minimum panel edge distance is 1/2 inch. 6. Bolts: maintain a distance not less then 7 bolt diameters from the end and 4 diameters from the edge of the member. Bore holes  $\frac{1}{32}$  to  $\frac{1}{16}$  inch larger than the bolt diameter. All nuts shall be tightened when installed and re-tightened at completion of work or before closing in. Thread projection shall be 1/2 inch minimum beyond the nut.
- 7. Lag screw clearance and lead/pilot holes shall be bored in two stages as follows: The clearance hole for the shank shall have the same diameter as the shank, and the same depth of penetration as the length of unthreaded shank. The lead hole for the threaded portion shall have diameter equal to 70% of the shank diameter and a length equal
- 8. Nailed/screwed or bolted hold-down anchors shall be installed per manufacturer's approved [ICC or ICBO] product evaluation report. Install hold-downs 3/4 inch minimum above the plate to allow for tightening anchor bolt. The hold-down shall be installed tight to the hold-down post without fillers or dapping. Do not bend hold-down anchors. 9. Connections shall be as detailed on the drawings. If not shown, minimum connections shall be as follows:
- b) Bridging to joist, toenail each end.... 2-8d c) Sill plate to joist or blocking, typical, face nail [SN].... .16d at 6" o.c.
- d) Double top plates: Lower plate to studs.. 3–16d ..16d @ 12" O.C. Top plate to lower plate, face nail..... Top plate to lower plate at lap Splice [4'-0" minimum]... ..20–16d minimum UON on drawings. Top plate to lower plate at intersection.. 3–16d e) Stud to sill plate... ..4-8d toenails or 2-16d endnail. f) Double studs, face nail.. ..16d at 12" o.c. g) Blocking between joists or rafters to top plate, toenail.... .3–8d h) Continuous header, two pieces. .16d @ 16" o.c. along each edge. ) Ceiling joists to plate, toenail.... .3–8d j) Continuous header to stud, toenail.. ..4–8d k) Ceiling joists, laps over partitions, face nail.. ..3–16d I) Ceiling joists to parallel rafters, face nail..... 3–16d ..16d @ 12" o.c. m) Built-up corner studs....
- n) 5/8" gyp. Sheathing to studs, sill plates & top plates.... edges and 8" O.C. @ intermediate supports.
- o) For stick framing construction structural sheathing could be fastened to structural members using 16 gauge wire staples two inches long. Staples shall have a minimum of  $\frac{7}{6}$ " diameter crown width. For roof and floor, staple spacing shall be per plan. For shear wall, spacing should be per shear wall schedule. p) Staples for structural insulated panels, sips shall be per sips notes.
- q) NOTES: REF: To the above Building Code.

ΔR

ALT

APA

BLKG

ΒN

BOF

CBC

CJ

CL

CLR

DBL DIM

DO

DWG DWL

EN

EOR

CONN

ADDL

BOTTOM

CLEAR

DOWEL

EACH

- J. ABBREVIATIONS: ANCHOR BOLT FOUAL EQ LIVE LOAD EACH SIDE ADDITIONAL ES MATL MATERIAL ALTERNATE EW EACH WAY MAX MAXIMUM AMERICAN PLYWOOD FRAMING ANCHOR FA MB FROST DEPTH ASSOCIATION FD MFR ARCH ARCHITECTURAL FEN FLOOR EDGE NAILING MINIMUM MIN. FINISHED FLOOR MTL METAL BI OCKING FN FIELD/INTERMEDIATE NO. NUMBER BOUNDARY NAIL NEAR SIDE NS BOTTOM OF FOOTING FS FAR SIDE NTS CALIFORNIA BUILDING CODE FTG FOOTING ON CENTER GALV GALVANIZED CONSTRUCTION JOINT OR CONTROL JOINT GENERAL CONTRACTOR CENTER LINE GIR GEOTECHNICAL INVESTIGATION OH REPORT CONNECTION GLB GLUED LAMINATED BEAM OSB CONTINUOUS GR GRADE DOUBLE HDR HEADER HGR HANGER DIMENSION OSV HORIZ HORIZONTAL DEAD LOAD HSH HORIZONTALLY SLOTTED HOLES PERP PERPENDICULAR DITTO (REPEAT) ICBO INTERNATIONAL CONFERENCE OF PL DRAWING PI ATF BUILDING OFFICIALS EXISTING ID INSIDE DIAMETER PSE INT INTERIOR EACH FACE JT JOINT PT LDGR LEDGER ELEVATION ΡW LGST EMBED EMBEDMENT LIGHT GUAGE STEEL, RFF REFERENCE COLD-FORMED STEEL FDGF NAII ENGINEER OF RECORD REINF REINFORCEMENT
  - MACHINE BOLT MANUFACTURER NOT TO SCALE OUTSIDE DIAMETER OFDSC OREGON ONE & TWO FAMILY DWELLING SPECIALTY CODE OPPOSITE HAND ORIENTED STRAND BOARD OSSC OREGON STRUCTURAL SPECIALTY CODE ON SITE VERIFY OTOB OUT TO OUT OF BEARING POUND PER LINEAR FOOT PRECISION STRUCTURAL ENGINEERING PRESSURE TREATED PLATE WASHER REN ROOF EDGE NAILING

...8d @ 4" O.C. @ 3/8" from all panel

RET RAFTERS SGN STRUCTURAL GENERAL NOTES SEP SEPARATION SIM SIMILAR SHEAR NAIL SNOW LOAD SPEC SPECIFICATION STD STANDARD STGR STAGGER STIFF STIFFENERS TOP TOP & BOTTOM TB TYPICAL DETAILS TONGUE & GROOVE THK THICKNESS/THICK ΤN TOENAIL TOB TOP OF BEAM TOF TOP OF FOOTING TOW TOP OF WALL TYP TYPICAL UBC UNIFORM BUILDING CODE UON UNLESS OTHERWISE NOTED VERT VERTICAL VSH VERTICAL SLOTTED HOLES WD WOOD WEN WALL EDGE NAILING WWF WELDED WIRE FABRIC W/ WITH W/O WITHOUT

- K. MASONRY:
- 1. All masonry materials and construction shall com a) Section 2103 - Mortar and Grout b) Section 2104 - Construction
- c) Section 2105 Quality Assurance 2. Concrete masonry units shall be moisture contr
- have a minimum of 2200 PSI compressive stren 3. Lay blocks in running bond. Use concave comp
- 4. All concrete masonry shall have minimum design 5. All mortar for masonry shall be type M, UBC 2
- in 28 days. 6. Center footing and grade beams under masonry
- 7. Keep masonry walls shored during construction lateral stability.
- 8. All masonry shall be solid arouted.
- 9. Concrete grout shall be UBC STD 21-19, have size of 3/8 inch. Recommended slump is 9 incl
- 10. Reinforcement requirements: a) Reinforcement shall be ASTM A-615 arade
- b) Anchor bolts ASTM A307 Headed Machine b c) Center vertical bars in block cells, no splice of reinforcement as shown on the drawings d) Vertical cells to be filled shall have vertical
- cell 3x4 inches for single width concrete blo e) Provide cleanout opening in bottom course
- f) Remove all overhanging mortar or obstructio g) Support vertical reinforcing bars at top and
- h) Lap splices shall be 55 bar diameters or 40 i) Vertical reinforcement shall be located at cor joints. Between these locations, vertical rein the full floor height.
- i) Provide 2-#5 bars above and below any oper opening, see drawing.
- k) Corner bars 4'-0" long, 2'-0" each leg, sha diameter and the spacing of horizontal wall
- 11. Use a mechanical vibrator to consolidate at th 12. Horizontal construction joints shall be formed
- minimum of 1/2 inch below the top of bond 13. Beams and lintels, unless otherwise shown on
- a) For 8 feet span or less, 6 inches bearing b) For longer beams and lintels, use 1 inch b 14. Masonry walls shall be anchored at or near th as detailed on drawings.
- 15. For Masonry veneer ties, joint reinforcement, h 16. Provide flashing and weep holes to divert water 17. For above grade masonry pprovide vertical cont
- masonry at 25'-0" unless noted on the drawings. Locate one ve expansion joint 5'-0'' each side of all corners
- 18. Adhered Veneer-cultured stone: a) Exterior application, including its backing b) Install weather resistant barrier such as
- masonry constructions. c) Follow the manufacturer's installation re shall apply.
- d) Adhered veneer may be applied by the A paste of neat Portland cement shall applied to the backing and the veneer of the units. The units shall be tapped resulting thickness of mortar in back o
- e) For wood construction: 1) Studs shall be spaced no more than 2) Use pressure treated plywood of at
- 3) Install metal lath and fasteners per Code, 1998 Edition. In case of conf 4) All fasteners, including nails, staples
- f) Provide isolation joint between adhearent stairs, soil, foundation etc.
- 19. Reference specifications for more requireme

ply with the following sections of the building code for full allowable stresses:		Precision
olled type I, Grade N, ASTM C90 normal weight ( over 125 pcf when dry) open end and		Structural
ngth. pressed joints and inverted bond beam for starting courses. n compressive strength (f'm) of 1500 PSI UON. 1—15. Two inch cubes shall test 1800 psi	ENGINEERING.	Engineering,
/ UON. until the roof deck/beams and slab-on-grade are in place to provide		Inc. www.structure1.com
a minimum 28—days compressive strength of 3000 PSI and a maximum aggregate ches.	TRUCTURAL	Klamath Falls Office 250 Main Klamath Falls, Oregon
50, typical.	Ś	97601 Phone: (541) 850-6300 Fax: (541) 850-6233
olts. s UON. Dowel reinforcement to support members with same size and spacing or per general notes. alignment sufficient to maintain a clear, unobstructed and continuous vertical	PRECISION	info@structure1.com
angminent sufficient to maintain a clear, unobstructed and continuous vertical ock walls. at reinforcement (32 inches max.) when grout pour exceeds 4'-6" in height. ns and any debris from inside of cells.	OF	836 Mason Way Medford OR. 97501
bottom of wall and at intervals not exceeding 4'-0" in height. ) inches whichever is greater. rners of walls, at each jamb of opening, and on each side of control or expansion	PERMISSION	Phone: (541) 858-8500 Fax: (541) 776-4663 infomd@structure1.com
forcement shall be spaced as indicated on the drawings. Vertical bars shall extend ming of 4 feet or less. Extend the steel 2'-6" beyond opening dimension. For wider		Licensed in: Arizona Montana
all be used at wall corners and intersecting walls. Corner bars shall match the Il reinforcement.	WRITTEN	Calıfornıa Nebraska Colorado Nevada
e time of placing grout and then re-consolidate before plasticity is lost. by stopping the grout pour 1–1/2 inches below the top of a mortar joint and a beams.	JT THE	Hawan Pennsylvania Idaho Utah
the drawing, shall bear on masonry at each end as follows: , 2 anchor bolts. earing for each foot of length with 4 anchor bolts.	WITHOUT THE	lowa Virginia Kansas Washington Missouri Wyoming
eir tops to the structural frame to resist horizontal force of 300 PLF or eader and lintels, refer to brick veneer details sheet. r to the outside per architectural drawing and/or building code.	PROJECT	Construction Types: Light Gauge Steel, Straw Bales, Bamboo, Log,
trol joint in concrete masonry at 30'-0" horizontal. Vertical expansion joint in brick rtical control joint 5'-0" each side of all corners in concrete masonry and one	OTHER PH	Timber/Wood, Structural Insulated Panels/SIPs, Masonry, Steel, Concrete,
in brick masonry. Coordinate locations with the Architect/Engineer. g shall provide a weather proof covering per code.	ANΥ	Modular Homes/Factory Built Housing ( FBH ), Coffee Shop, ICF etc. Commercial or Residential.
s building paper or equal for wood construction or breather type sealer for concrete and ecommendations. In case of conflict with the building code, the most stringent requirements	OR PART, FOR	Project:
following application method. be brushed on the backing and the back of the veneer unit. Type S mortar then shall be unit. Sufficient mortar shall be used to create a slight excess to be forced out the edges	E OR PA	OIT
into place so as to completely fill the space between the units and the backing. The of the units shall not be less than 1/2 inch (13 mm) or more than 1—1/4 inches (32 mm). In 16" O.C.	N WHOLE	Softball
least 1/2 inch thick unless otherwise noted on plans or shear wall schedule. manufacturer's recommendations and per Table 25—C of State of Oregon Structural Specialty lict, the most stringent requirement shall apply.	USED, IN	Dugouts
and screws, and metal lath shall be hot-dipped galvanized according to ASTM A-153. t veneer and any other building element that could move such as, slab-on-grade, side walk,	TO BE	3201 Campus Dr.
ents.	TON SI (	Klamath Falls, OR 97601
	NG, ANI	51001
	TURAL ENGINEERING, AND IS	Owner:
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	PROFESSIONAL	MARK:DATE: BY:
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	AS AN IN	DRAWN BY: L.J.
	HEREIN, <sup>,</sup>	DS. BY: R.H. CHK BY: N.T.
	Ω	DATE: 07-02-13
	INCORPORATE	project #: KF21 <b>3-3</b> 094
		TITLE:
	AS AND DESIGNS	GENERAL NOTES
SHEET INDEX:	DOCUMENTS, IDEA	PAGE NO:
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S3 FOUNDATION & ROOF FRAMING	THE D	