

STRUCTURAL DESIGN CRITERIA

- 1.0 DESIGN CRITERIA: THE FOLLOWING OUTLINES MINIMUM PERFORMANCE STANDARDS FOR THE PROJECT AND THE BASIS UPON WHICH SHOP DRAWINGS (IF ANY
 - TYPICAL ALTERNATE STANDARDS (FOR REQUIREMENTS NOT OT IN THIS SPECIFICATION OR RELATED DRAMINGS): APPLICABLE INDUSTRY STANDARDS REFERENCED THERE-INIO OR PRODUCT M RECOMMENDED STANDARD, WHICHEVER IS THE MORE STRINGEN OR CONDITION. 1.1
- 2.0 DEAD LOADS:
 2.1 STRUCTURAL SHEATHING:
 2.1.1 FLOORS: 3/4" MIN. THICK, T & G, CDX PLY OR ADVANT
 2.1.2 EXTERIOR WALLS: 1/2" MIN. THICK ZIP WALL PLYWOOD
 2.1.3 ROOFS: 5/8" MIN. THICK, ZIP ROOF PLYWOOD
 2.2 FINISHES: (THE FOLLOWING REPRESENTS STRUCTURAL DESIGN CI

 - 2.2.1 FLOOR FINISHES AT ENTRIES, BATHROOMS AND KITCHEN CERAMIC TILE OVER 1/2" CEMENT FIBER BOARD UNDERL 2.2.2 FLOOR FINISHES AT OTHER HABITABLE AREAS: ASSUME

 - 2.2.3 WALL FINISHES: ASSUME CERAMIC TILE WITH 1/2" CEME AT TUB AND SHOWERS; 1/2" BLUEBOARD AND PLASTER
 - 2.2.4 CEILING FINISHES: ASSUME 1/2" BLUEBOARD AND PLA 2.2.5 ROOF FINISHES: ASSUME HEAVY DUTY, ARCHITECTURA
 - 2.3 MAXIMUM DEAD LOAD OF 10 P.S.F.
- 3.0 LIVE LOADS: 3.1 FLOOR LOADS: 3.1.1 LIVING AREAS: 40 P.S.F. 3.1.2 SLEEPING AREAS: 30 P.S.F. 3.1.3 BALCONIES AND DECKS: 60 P.S.F. 3.1.4 UNINHABITABLE ATTIC SPACES: 20 P.S.F.
 - 3.2 SNOW LOADS: BUILDING CODE FOR JOB SITE LOCATION 3.3 WIND LOADS: BUILDING CODE FOR JOB SITE LOCATION AND EX
- 4.0 ALLOWABLE DEFLECTION:
 - 4.1
 - TROBLE DE LECTION ASSEMBLIES (INCLUDING SUPPORTING BEAUS) AND DOORS ASSUME NALING TABS AT JAMES AND HEAVS. RECOMMENDED HEAD CLERANCES OF APPROXIMATEL / HEAVS. 4.1.1 UVE LOAD DEFLECTION: L/480 UP TO J/4* MAX.
- 5.0 MATERIALS:
 - MA LEVIALS: 5.1 FRAMING DIMENSION LUMBER FOR JOISTS. S LOAD BEARING DIMENSION LUMBER FOR JOISTS. S CONFORM TO THE BUILDING CODE, AND TO OTHER GRADING RULES AND SHALL BE SO IDENTIFIED BY ISSUED BY AN APPROVED ACENCY. THE GRADUIT INFORMATION TO DETERMINE FD, THE ALLOWABLE STUDS, PLATE R APPLICABLE Y A GRADE M MARK OR CE STRESS IN E
 - 5.1.1
 - 5.1.2 ALLOWABLE SPANS: THI FORTH IN THE BUILDING SHALL NOT EXCEED THE
 - 5.1.3 PLYWOOD SHEATHING: AND WOOD STRUCTURAL PANELS TO THE BULDING CODE. ALL PANELS SHALL BE IDENTIFED BY A GRADE MARK OR CERTIFICATE OF INSPI PLYWOOD AND WOOD STRUCTURAL PANELS SHALL COMP
 - 5.1.30 WHERE USED AS SUBFLOORING OR COMBINATION SHALL BE OF ONE OF THE BUILDING CODE. WHI IS USED AS A COMBINATION SUBFLOOR UNDERLA THE BUILDING CODE
 - 5.2 ENGINEERED WOOD

ALL BEAMS, HEADERS AND GIRDERS SPECIFIED ON THE PLANS SHALL BE AS MANUFACTURED BY TRUS JOIST MACMILLAN OR BEARING CONDITIONS AND FASTENING SCHEDULES SHALL BE

- 6.0 INSTALLATION STANDARDS: 6.1 FRAMING SYSTEM: WESTERN PLATFORM 6.2 WOOD POSTS AND JACKS SUPPORTING WOOD FRAMING
 - 6.2.1 WITHIN 2 X 4 WALL FRAMING: 4 X 4 MIN 6.2.2 WITHIN 2 X 6 WALL FRAMING: 4 X 6, OR 6 X 6 (REFE
 - 6.2.3 ALL WOOD POSTS SHALL BE CONNECTED TO THE WOOD TOP WITH METAL POST CAP A.C. OR A.C.E. BY SIMPSON
 - 6.3 COLUMINS (BASEMENT OR EXTERIOR LOCATIONS): 3 1/2" LALL 6.3.1 BASE PLATES: SPRINGFIELD BEARING PLATES WELDED
 - 6.3.2 CAPS (CONNECTING COLUMNS TO WOOD FRAMING): SP PLATES OR SIMPSON "CC" TYPE COLUMN CAPS
 - ANCHORS, CONNECTORS AND HANGERS 6.4 6.4.1 SIZE, CONFIGURATION, LOCATION AND QUANTITIES TO MEL AND GRAVITY LOADS.
 - 6.4.2 JOIST HANGERS: TOP FLANGE TYPE (UNLESS NOT FEAS CONNECTIONS AS REQUIRED. HANGERS SHALL BE 18 GA WITH REQUIRED FASTENERS.
 - 6.5 WALL FRAMING
 - 6.5.1 INDURING WALLS SHALL BE 2 X 4 OR 2 X 6 (AS II EXTERIOR WALL SHEATHING SHALL BE FASTENED WITH 1 INTERIOR SUPPORTS, AND 100 NAILS AT 6 0.C. AT PA NOTED ON PLANS (U.O.N.)
 - 6.5.2 2 X 4 INTERIOR STUD BEARING WALLS SHALL BE 2 X 4 AT MID HEIGHT FOR WALLS OVER 9 FEET HIGH, AND ME TYPE WB) U.O.N.

 - 6.6 FLOOR AND CEILING FRAMING (UNLESS NOTED OTHERWISE ON DRAWINGS): DIMENSION LUMBER. 6.6.1 PROVIDE DOUBLE JOISTS BENEATH ALL BEARING PARTITI
 - 6.6.2 PROVIDE SOLID BLOCKING BETWEEN JOISTS AT BEARING TO WALL AND BETWEEN JOISTS TO EITHER SIDE FO PAR
 - 6.6.3 PROVIDE SOLID BRIDGING AT 8 FT MAX. O.C.
 - 6.6.4 PLYWOOD SUBFLOOR SHALL BE GLUED AND NAILED WIT SUPPORTS AND 8D NAILS AT 6" O.C. TO PANEL EDGE
 - 6.7 RAFTERS (UNLESS NOTED OTHERWISE ON ATTACHED DRAWINGS)

END.

WILL BE REMEWED. ERFWISE INDICATED BUILDING CODE (INCLUDING ANUFACTURER'S FOR A PARTICULAR ITEM ITECH SRITERIA, NOT FINISH SPECIFICATIONS) AREAS: ASSUME THIN-SET ATMENT SUME THIN-SET ATMENT SIGNATION SUME THIN-SET ATMENT SIGNATION SUME THIN-SET ATMENT SIGNATION SUME THIN-SET ATMENT SIGNATION SUME THIN-SET SIGNATION SUMMET	Architect: REESCOM Architectural, Inc. 118 Wetenoue Read Sule F, Bourne, MA 02332 Phi: (Soo) 759-9828 Fic: (Soo) 759-9828
GRADE ASPHALT SHINGLES. XPOSURE. • (NOTE: WINDOWS WITH MANUF.	
S, RATTERS, HEADERS, BEAMS AND GIRDERS ETC. SHALL STANDARDS OR INTROATE SHALL PROVIDE ADEQUATE NOME, AND E, THE MODULUS OF ELASTICITY. JOISTS SHALL NOT EXCEED THE VALUES SET FORTH AND THE ACTUAL NOT EXCEED THE VALUES SPECIFIED IN THE SUING JOISTS SHALL NOT EXCEED THE VALUES SET US FOR RATTERS SUING JOISTS SHALL NOT EXCEED THE VALUES SET US STOR RATTERS SUING JOISTS SHALL NOT EXCEED THE VALUES SET US USED FOR STRUCTURAL PURPOSES SHALL CONFORM TO ECTION ISSUED BY AN APPROVED AGENCY. LY WITH THE GRADES SPECIFIED IN THE BUILDING CODE SUIDFLOR UNDERLAYUENT, WOOD STRUCTURAL PANELS IN SANDED PLYWOOD YMENT, THE GRADE SHALL BE AS SPECIFIED IN	THE DRINKWATER RESIDENCE LONGVEW DRIVE PORFLAND. MANE
APPROVED EQUAL ALL SPANS, LOXID CAPACITIES AND A S REQUIRED BY THE MANUFACTURER. R TO PLANS) FRAMING AT (COLUMN. TO COLUMN. NINGFIELD BEARING SIGLE) SHALL BE USED AT ALL A MIN, WITH ALL HOLES FILLED NDICATED ON PLANS)	BUILDING SECTION C NOTES
00 HALLS AT 10° O.C. AT REL EDGS. UNLESS OTHERMISE STUDS AT 18° O.C. MTH BLOCKING TAL X-BRACING (SIMPSON STRONG THE NTTACHED ONS AND AT ALL ROUCH OPENINGS. WALLS RUNNING PRAFULCULAR MALS AT 10° O.C. OF HERMEDIAAR SUPPORTS): DIMENSION LUMBER WALLS AT 10° O.C. OF HERMEDIAAR SUPPORTS): DIMENSION LUMBER WALLS AT 10° O.C. OF HERMEDIAAR SUPPORTS): DIMENSION LUMBER WALLS AT 10° O.C. OF HERMEDIAAR OREGORY B. WALLS AT 10° O.C. OF HERMEDIAAR SUPPORTS): DIMENSION LUMBER WALLS AT 10° O.C. OF HERMEDIAAR OREGORY B. WALLS AT 10° O.C. OF HERMED	