

Table with 2 columns: Issue, Date. Row 1: Foundation Permit Submittal, 04/05/2024

Table with 2 columns: Job #, Date. Row 1: Job #, 24202

GENERAL NOTES

STATEMENT OF SPECIAL INSPECTIONS. Table with columns: VERIFICATION AND INSPECTION, C, P, REFERENCED STANDARD, NOTES. Includes sections for CONCRETE and COLD-FORMED STEEL FRAMING.

COLD-FORMED STEEL CONNECTIONS. SCREWS FOR STEEL-TO-STEEL CONNECTIONS AND FOR STRUCTURAL SHEATHING-TO-STEEL CONNECTIONS. MINIMUM SCREW SIZES IN COLD-FORMED STEEL TABLE.

ALLOWABLE LOADS FOR SCREW CONNECTIONS (POUNDS). Table with columns: SHEET METAL SCREW SIZE, STEEL THICK, 33 MILS (0.0348"), 43 MILS (0.0451"), 54 MILS (0.0566"), 68 MILS (0.0713").

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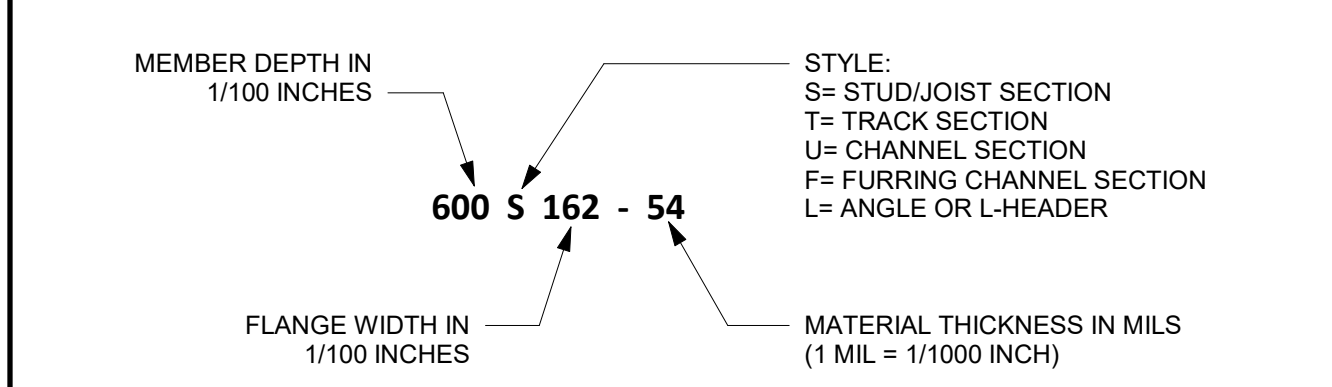
COLD FORMED STEEL CONNECTORS. WELDING. BOLTED CONNECTIONS. DRILLED ANCHORS. POWDER-DRIVEN OR PNEUMATIC FASTENERS.

REFERENCE STANDARDS. Table listing standards for steel structural members, framing, and seismic design.

MATERIAL CRITERIA

MATERIAL. COLD-FORMED STEEL MATERIAL SHALL BE MANUFACTURED AND FORMED, PER ASTM A1003/A1003M. ALL GALVANIZED MEMBERS SHALL CONFORM TO ASTM A924 WITH THE FOLLOWING MINIMUM COATING REQUIREMENTS.

COLD-FORMED STEEL FRAMING. EACH JOIST, RAFTER, TRUSS AND STRUCTURAL WALL STUDS SHALL BE ANCHORED WITHIN 3/4" FROM CENTERLINE OF HORIZONTAL FRAMING MEMBER TO CENTERLINE OF VERTICAL FRAMING MEMBER.



INSTALLATION. EACH JOIST, RAFTER, TRUSS AND STRUCTURAL WALL STUDS SHALL BE ANCHORED WITHIN 3/4" FROM CENTERLINE OF HORIZONTAL FRAMING MEMBER TO CENTERLINE OF VERTICAL FRAMING MEMBER.

COLD-FORMED STEEL SHALL NOT BE IN DIRECT CONTACT WITH THE GROUND UNLESS NOTED OTHERWISE.

CONCRETE. MATERIAL SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS UNLESS NOTED OTHERWISE ON PLANS. CEMENT: ASTM C150, C595. AGGREGATES: ASTM C33. ADMIXTURES: ASTM C280, C494, C1017.

MIX DESIGN TABLE. Table with columns: LOCATION, MAX W/C RATIO, MIN FCY FLYASH, ASTM AGGREGATE GRADING, f'c MIX DESIGN STRENGTH (PSI), MIX NOTES.

MIX NOTES. DESIGN OF STRUCTURAL ELEMENTS IS BASED ON f'c = 2500 PSI. HIGHER SPECIFIED f'c FOR MIX DESIGN STRENGTH IS FOR DURABILITY.

WEATHER CONDITIONS. CONTRACTOR SHALL MAKE APPROPRIATE MODIFICATIONS TO MIXING, TRANSPORTING, PLACING, AND CURING PROCEDURES DURING PERIODS OF HOT, COLD, OR WINDY WEATHER.

PENETRATING SEALER. APPLY A SILANE SEALER WITH 40% SOLIDS CONTENT TO ALL SLABS AND TOPPING SLABS PERMANENTLY EXPOSED TO WEATHER.

CONSTRUCTION JOINTS. THE INTERFACE OF ALL CONSTRUCTION JOINTS SHALL BE INTENTIONALLY ROUGHEN TO AN AMPLITUDE OF 1/4". SURFACES SHALL BE CLEANED.

REINFORCING DEVELOPMENT AND LAP SPLICES. REINFORCING SHALL BE DEVELOPED INTO A COLUMN OR WALL Ld UNO, WHERE 12" OR MORE OF CONCRETE IS CAST BELOW Ld SHALL BE USED.

2500 PSI CONCRETE DEVELOPEMENT AND SPLICE LENGTH TABLE. Table with columns: REBAR SIZE, Ld, Ldt, Ls, Lst, Lsc.

GENERAL NOTES. BUILDING CODE. THE 2021 EDITION OF THE INTERNATIONAL BUILDING CODE (IBC), AS ADOPTED OR AMENDED BY THE LOCAL BUILDING OFFICIAL OR JURISDICTION, SHALL GOVERN DESIGN AND CONSTRUCTION. ENGINEER. THE TERM 'ENGINEER', 'EOR', AND/OR 'SE' AS USED IN THESE STRUCTURAL DOCUMENTS SHALL MEAN BRIEN STRUCTURAL ENGINEERS, P.S.

GEOTECHNICAL. ALLOWABLE BEARING PRESSURE (DEAD + LIVE) = 1500 PSF (ASSUMED). A 10% INCREASE IS ALLOWED FOR WIND OR SEISMIC. PASSIVE LATERAL PRESSURE = 250 PSF/FT. ACTIVE LATERAL PRESSURE = 35 PSF/FT. AT-REST LATERAL PRESSURE = 55 PSF/FT.

DESIGN CRITERIA

BUILDING CATEGORY. STRUCTURAL RISK CATEGORY II. IMPORTANCE FACTOR SNOW = 1.0. IMPORTANCE FACTOR SEISMIC = 1.0.

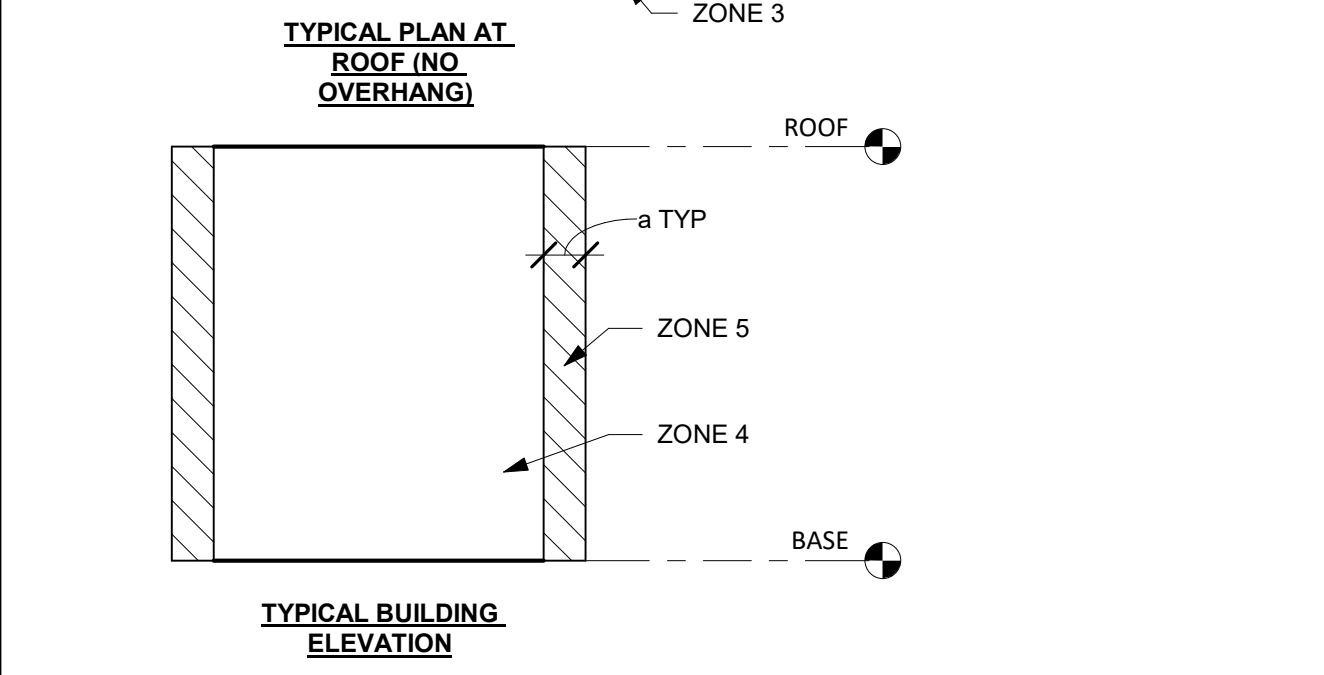
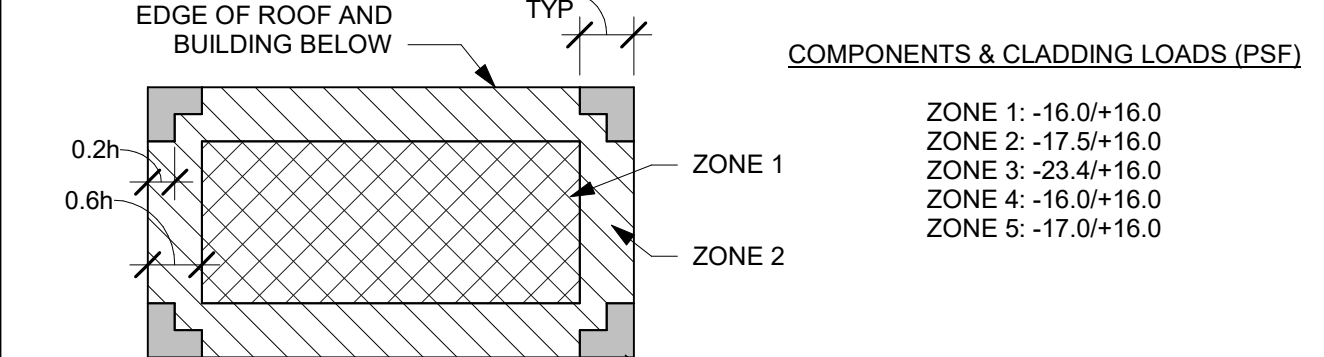
GRAVITY LOADS. ROOF: DESIGN DEAD LOAD 20 PSF, LIVE LOAD 20 PSF, SNOW LOAD 25 PSF.

SEISMIC LOADS. SITE CLASS = D - DEFAULT. SEISMIC DESIGN CATEGORY = D. MAPPED SPECTRAL RESPONSE PARAMETERS: Sa = 1.257 g, S1 = 0.494 g, Sds = 1.006 g, Sd1 = --.

ANALYSIS TYPE = EQUIVALENT LATERAL FORCE PROCEDURE (STAGED ANALYSIS PROCEDURE). R = 6.5 (CFS WALLS WITH WOOD STRUCTURAL PANELS). WEIGHT, W = 25.8 KIPS. SEISMIC RESPONSE COEFFICIENT, Cs = 0.155. BASE SHEAR, V = Cs*W = 4.0 KIPS. REDUNDANCY FACTOR = 1.0.

WIND LOADS. EXPOSURE CATEGORY = B. BASIC WIND SPEED = 98 MPH. Kzt = 1.0.

COMPONENT AND CLADDING WIND PRESSURE



- NOTES: 1. WIND LOADS FOR COMPONENT AND CLADDING ARE STRENGTH LEVEL AND DETERMINED IN ACCORDANCE WITH ASCE 7-16, CHAPTER 30, PART 1. 2. EXTERIOR COMPONENTS AND CLADDING SHALL BE DESIGNED TO ACCOMMODATE WORST-CASE WIND LOAD SHOWN. 3. POSITIVE PRESSURE ACTS TOWARDS THE SURFACE OF THE STRUCTURE. NEGATIVE PRESSURE ACTS OUTWARD AS SUCTION ON THE BUILDING SURFACE. 4. PRESSURE ARE CALCULATED USING MINIMUM EFFECTIVE AREA OF 10 sf. FOR ROOF AREAS GREATER THAN 10 sf EXCEPT AT OVERHANGS, NEGATIVE PRESSURE MAY BE REDUCED AS FOLLOWS: 20 sf < AREA < 50 sf 5% REDUCTION, 50 sf < AREA < 80 sf 12% REDUCTION, 80 sf < AREA < 200 sf 16% REDUCTION, 200 sf < AREA 20% REDUCTION. FOR ALL OVERHANGS, NO WIND LOAD MAY BE REDUCED. FOR WALL AREAS AND PARAPET AREAS GREATER THAN 10 sf, POSITIVE PRESSURE MAY BE REDUCED AS FOLLOWS: 20 sf < AREA < 50 sf 5% REDUCTION, 50 sf < AREA < 80 sf 12% REDUCTION, 80 sf < AREA < 200 sf 16% REDUCTION, 200 sf < AREA 20% REDUCTION. FOR WALL AREAS AND PARAPET AREAS GREATER THAN 10 sf, NEGATIVE PRESSURE MAY BE REDUCED AS FOLLOWS: 20 sf < AREA < 50 sf 3% REDUCTION, 50 sf < AREA < 80 sf 8% REDUCTION, 80 sf < AREA < 200 sf 10% REDUCTION, 200 sf < AREA 15% REDUCTION. 5. EDGE PRESSURE SHALL BE USED FOR A DISTANCE 'a' FROM THE BUILDING CORNERS, WHERE 'a' IS THE SMALLER OF 10% OF THE LEAST HORIZONTAL DIMENSION OR 0.4h BUT NOT LESS THAN EITHER 4% OF THE LEAST HORIZONTAL DIMENSION OR 9".

City of Puyallup Development & Permitting Services ISSUED PERMIT. Building, Planning, Engineering, Public Works, Fire, Traffic.

