

15-271474 DF3 01 CO



City of Portland, Oregon - Bureau of Development Services

1900 SW Fourth Avenue • Portland, Oregon 97201 | 503-823-7300 | www.portlandoregon.gov/bds



Deferred Submittal Requirements and Application

Applicants will provide:

- ☐ A copy of this application
 - ☐ Three (3) sets of plans
 - ☐ Two (2) set of calculations
 - ☐ Two (2) sets of product information
- Drawings and calculations must be stamped and signed by an Engineer registered in Oregon and approved by the Architect/Engineer of record for the building.

- ☐ Permit fee (paid at time of submittal)
- ☐ If the DFS includes exterior elements, plan views and elevations identifying the location(s) as approved by the Architect and Engineer of Record must be submitted.
- ☐ One (1) copy of your main building permit approved plans (NOTE: Approved plans do not need to be submitted if your project has a development liaison assigned.)

Contractor submittal information:

Contact name Mike Coyle/Faster Permits

Address 14334 NW Eagleridge Ln

City Portland State OR Zip Code 97229

Phone 503 680-5497 E-mail mike@fasterpermits.com

Value of deferred submittal \$7500 Issued main building permit # 15-271474-CO

Job site address 7525 NE Ambassador Pl

Description/Scope of work Attachment of Equipment - Roof Top Mechanical Units

Fees

Deferred submittal (DFS) fees are collected in addition to the standard building review fee paid on the main building permit. DFS fees cover the cost of the additional processing and review time associated with the design build element.

The DFS fee for processing and reviewing deferred plan submittals is 10 percent of the building permit fee calculated using the value of the particular deferred portion of the project.

Minimum fee: Residential, one and two family dwelling ...\$123 for DFS with valuation of less than or equal to \$222,000

Commercial and all other projects\$307 for DFS with valuation of less than or equal to \$680,000

The Bureau of Development Services (BDS) fee schedule is also available on the BDS web site at www.portlandoregon.gov/bds | select the Fees tab.

Helpful Information

Bureau of Development Services
1900 SW 4th Avenue, Portland, OR 97201

Submit your plans to:
Development Services Center (DSC), First
Floor, For Hours Call 503-823-7310
**DEFERRED SUBMITTAL REQUIREMENTS AND
APPLICATION**

Important Telephone Numbers

BDS main number 503-823-7300
DSC automated information line 503-823-7310
Building code information 503-823-1456
BDS 24 hour inspection request line 503-823-7000
Residential information for
one and two family dwellings 503-823-7388
City of Portland TTY 503-823-6868

Information is subject to change.

STRUCTURAL GENERAL NOTES

CODE:
THE STRUCTURAL DESIGN IS INTENDED TO CONFORM TO THE REQUIREMENTS OF THE 2012 INTERNATIONAL BUILDING CODE (IBC) AND THE 2014 OREGON STRUCTURAL SPECIALTY CODE (OSSC).

REFERENCED STANDARDS:
LOADS ASCE 7-10
CONCRETE ACI 318-11
LIGHT GAUGE METAL AISI S100-07/S2-10
WOOD AF&PA NDS-12

CONSTRUCTION:
THESE STRUCTURAL DRAWINGS ARE INTENDED TO BE USED IN CONJUNCTION WITH THE OTHER PROJECT DRAWINGS, SUCH AS ARCHITECTURAL AND MECHANICAL.
NON-STRUCTURAL FEATURES NOT FULLY SHOWN OR NOTED IN THE STRUCTURAL DRAWINGS MAY INCLUDE, BUT ARE NOT LIMITED TO ARCHITECTURAL FEATURES SUCH AS SIZE AND LOCATION OF DOOR AND WINDOW OPENINGS, NON-BEARING PARTITIONS, CONCRETE CURBS, FLOOR DRAINS, SLOPES, DEPRESSED AREAS, FLOOR AND ROOF OPENINGS AND MECHANICAL, PLUMBING, AND ELECTRICAL FEATURES SUCH AS PIPE RUNS, SLEEVES, TRENCHES, AND CONDUIT BOXES. THE CONTRACTOR SHALL COORDINATE ALL DRAWINGS IN THEIR WORK, AND INFORM THE A/E OF ANY DISCREPANCIES. REFER TO THE PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION. THESE NOTES TAKE PRECEDENCE OVER INFORMATION SHOWN IN THE PROJECT SPECIFICATIONS; ALSO, NOTES CONTAINED IN THE PROJECT DRAWINGS AND DETAILS TAKE PRECEDENCE OVER THESE GENERAL NOTES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR STRUCTURAL STABILITY DURING CONSTRUCTION (MEETING THE GUIDELINES OF ASCE 37) AND FOR PROJECT SAFETY (MEETING THE GUIDELINES OF OSHA). THE STRUCTURE SHOWN ON THE DRAWINGS HAS BEEN DESIGNED FOR THE COMPLETED CONFIGURATION ONLY, AND NOT FOR THE VARIOUS STRUCTURAL CONFIGURATIONS POSSIBLE DUE TO THE CONTRACTOR'S SELECTED SEQUENCE, AS WELL AS MEANS AND METHODS OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE BRACING, SHORING, ETC. AS NEEDED TO TEMPORARILY SUPPORT THE STRUCTURE. IN ADDITION, THE CONTRACTOR SHALL PROVIDE A CONSTRUCTION SEQUENCE WHICH LIMITS THE DEFLECTION, TEMPERATURE AND SHRINKAGE EFFECTS TO AN ACCEPTABLE LEVEL TO THE OWNER.

THE CONTRACTOR SHALL COORDINATE CODE-REQUIRED SEISMIC RESTRAINT FOR ARCHITECTURAL ELEMENTS (CEILINGS, NON-LOAD BEARING WALLS, ETC) AND MECHANICAL AND ELECTRICAL EQUIPMENT (PIPING, UNITS, DUCTS, ETC). THIS BRACING MAY CONFORM TO "SMACNA", "NWCB" OR ANY CODE-COMPLIANT STANDARD. ALTERNATIVELY, THE BRACING MAY BE ENGINEERED BY OTHERS.

WORK SHOWN IS NEW UNLESS NOTED AS EXISTING. EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS HAS BEEN OBTAINED FROM EXISTING DRAWINGS. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, ELEVATIONS AND ALL EXISTING JOB CONDITIONS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE A/E OF ANY DISCREPANCIES AND EXCEPTIONS FROM CONDITIONS SHOWN ON THE DRAWINGS BEFORE PROCEEDING WITH THE WORK IN ORDER FOR THE A/E TO DETERMINE WHICH SHALL GOVERN. SHOULD ANY DISCREPANCIES BE FOUND IN THE CONTRACT DOCUMENTS, IT WILL BE ASSUMED THAT THE CONTRACTOR HAS INCLUDED THE HIGHEST PRICE ALTERNATIVE FOR COMPLETING THE WORK, UNLESS THE DISCREPANCY WAS POINTED OUT PRIOR TO THE BID, IN ORDER FOR THE A/E TO DETERMINE WHICH GOVERNS. CONFLICTS IN THE CONSTRUCTION DRAWINGS WILL NOT BE A BASIS FOR AN ADJUSTMENT IN THE PROJECT PRICE. THE REMOVAL, CUTTING, DRILLING ETC. OF EXISTING WORK SHALL BE PERFORMED WITH CARE IN ORDER TO NOT JEOPARDIZE THE STRUCTURAL INTEGRITY OF THE BUILDING. IF STRUCTURAL MEMBERS OR MECHANICAL, ELECTRICAL OR ARCHITECTURAL FEATURES NOT INDICATED FOR REMOVAL INTERFERES WITH THE NEW WORK, THE A/E SHALL BE NOTIFIED IMMEDIATELY AND APPROVAL SHALL BE OBTAINED BEFORE REMOVAL OF MEMBERS. THE CONTRACTOR SHALL REPAIR ALL DAMAGE CAUSED DURING CONSTRUCTION USING MATERIALS AND WORKMANSHIP SIMILAR TO THAT WHICH HAS NOT BEEN DAMAGED.

DESIGN LOADING CRITERIA:
THE STRUCTURAL DESIGN IS BASED ON THE STRENGTH AND DEFLECTION CRITERIA OF THE INTERNATIONAL BUILDING CODE WITH CONCENTRATED LOADS AND LIVE LOAD REDUCTIONS AS DEFINED IN THE CODE. IN ADDITION TO THE DEAD LOAD OF THE STRUCTURE AND EQUIPMENT, THE FOLLOWING LOADS ARE USED FOR DESIGN:

GRAVITY:

SNOW:

GROUND SNOW LOAD, Pg = 10 PSF
FLAT-ROOF SNOW LOAD, Pf = 25 PSF
SNOW EXPOSURE FACTOR, Ce = 1.0
SNOW IMPORTANCE FACTOR, I = 1.0
THERMAL FACTOR, Ct = 1.0

LATERAL:

SEISMIC CRITERIA - FOR RTU ANCHORAGE:

SITE CLASS = D
RISK CATEGORY = II
SEISMIC DESIGN CATEGORY = D
COMPONENT IMPORTANCE FACTOR, Ip = 1.0
COMPONENT AMPLIFICATION FACTOR: ap = 2.5
SPECTRAL RESPONSE COEFFICIENTS: Sds = 0.716g
SEISMIC MODIFICATION FACTOR, Rp = 6

WIND CRITERIA:

BASIC WIND SPEED = 120 MPH (3 SECOND GUST)
WIND IMPORTANCE FACTOR = 1.0
SURFACE ROUGHNESS CATEGORY = C
EXPOSURE CATEGORY = C
WIND DIRECTIONALITY FACTOR, Kd = 0.85
INTERNAL PRESSURE COEFFICIENT, GCpi = ±0.18
DESIGN OF EXTERIOR COMPONENTS AND CLADDING SHALL BE BASED UPON A BASIC WIND SPEED OF 120 MPH.

SPECIAL INSPECTION AND TESTING

ALL CONSTRUCTION IS SUBJECT TO INSPECTION BY THE SPECIAL INSPECTOR AND THE BUILDING OFFICIAL IN ACCORDANCE WITH THE 2012 IBC SECTION 110 AND CHAPTER 17. THE CONTRACTOR SHALL COORDINATE THE REQUIRED INSPECTIONS WITH THE SPECIAL INSPECTOR AND THE LOCAL JURISDICTION.

SPECIAL INSPECTIONS ARE AS FOLLOWS:

- ANCHOR BOLTS INSTALLED IN HARDENED CONCRETE - PERIODIC

POST-INSTALLED CONCRETE AND MASONRY ANCHORS:

POST INSTALLED ANCHORS SHALL BE AS SHOWN IN THE DRAWINGS AND SHALL BE INSTALLED PER THE CURRENT ICC APPROVAL AND THE MANUFACTURER'S GUIDELINES. EMBEDMENT REQUIREMENTS AND CAPACITIES ARE BASED UPON THE ICC-EC REPORT AND ALL SUBSTITUTIONS SHALL MEET THESE VALUES. SPECIAL INSPECTION IS REQUIRED, UNLESS NOTED OTHERWISE. ANCHORS SHALL BE ASTM F1554 GRADE 36. EXPOSED ANCHORS SHALL BE STAINLESS STEEL, ASTM F593. APPROVED ANCHORS ARE AS FOLLOWS:

ANCHOR TYPE	APPROVED PRODUCTS	REPORT #
CONCRETE	HILTI KWIK HUS - EZ	ICC ESR 3027
SCREW ANCHOR	SIMPSON TITEN HD	ICC ESR 1056
	POWERS WEDGE BOLT+	ICC ESR 2526

LOCATE ALL REINFORCING WITHIN 12" OF ANY PROPOSED HOLE PRIOR TO FABRICATION OF ANY STEEL AND PRIOR TO ANY HOLE DRILLING. DO NOT DISTURB, CUT OR OTHERWISE HARM REINFORCING BARS DURING THE INSTALLATION OF POST INSTALLED ANCHORS. NOTIFY A/E IF ANY REINFORCING CONFLICTS WITH THE PROPOSED HOLE LOCATIONS PRIOR TO PROCEEDING WITH ANY WORK. DEFECTIVE OR ABANDONED HOLES SHALL BE FILLED WITH NON-SHRINK GROUT.

COLD-FORMED STEEL:

COLD-FORMED STEEL MEMBERS SHALL BE S-SECTIONS WITH A MINIMUM YIELD OF 33 KSI FOR 33 AND 45 MIL MATERIAL, AND 50 KSI FOR 54 MIL AND THICKER MATERIAL. STUDS SHALL BE OF THE SIZE, GAUGE, AND SPACING SHOWN ON THE DRAWINGS. STUDS IN SHEAR WALL CONSTRUCTION SHALL CONFORM TO ASTM A1003 TYPE H. MINIMUM SECTION PROPERTIES SHALL CONFORM TO SSMA GUIDELINES. ONLY MANUFACTURERS WHO ARE MEMBERS OF SSMA WILL BE ACCEPTED OR AS APPROVED BY ARCHITECT. FOR STUDS, TRACK SHALL BE OVERSIZED WITH 1.5" MINIMUM FLANGE TO PROVIDE FULL STUD BEARING. TRACKS SHALL BE OF THE SAME GAGE AND MINIMUM YIELD STRENGTH AS THE STUDS.

SCREWS SHALL BE ELCO DRIL-FLEX, HILTI KWIK-FLEX, OR AS APPROVED. A MINIMUM OF 1.5D EDGE DISTANCE AND A 3.0D SPACING SHALL ALWAYS BE MAINTAINED. SCREWS SHALL BE INSTALLED THROUGH THE THINNER STEEL PART FIRST (SCREW HEAD AGAINST THINNER GAUGE STEEL), UNLESS OTHERWISE NOTED.

CONNECT ALL DOUBLE STUDS AND BUILT-UP MEMBERS WITH A MINIMUM OF (2) ROWS OF NO. 10 SCREWS AT 12" O.C. SECURE ALL STUD FLANGES TO TRACKS WITH A NO. 10 SCREW EACH FLANGE. COLD-FORMED MEMBERS SHALL NOT BE SPLICED UNLESS CLEARLY SHOWN IN THE DRAWINGS.

CONNECTIONS OF NON-STRUCTURAL WALLS TO CONCRETE SLABS SHALL BE MADE WITH HILTI X-U OR SIMPSON PDPA FASTENERS (0.157" DIAM.) WITH 1-1/2" EMBEDMENT AT 6" ON CENTER SPACING WITH A 2" MINIMUM EDGE DISTANCE, UNLESS NOTED OTHERWISE. AT P/T SLABS, MAX. EMBEDMENT OF FASTENERS SHALL BE 3/4" AND SPACING SHALL BE 3" ON CENTER.

SAWN LUMBER:

LUMBER SHALL CONFORM TO WEST COAST LUMBER INSPECTION BUREAU OR WESTERN WOOD PRODUCTS ASSOCIATION GRADING RULES. LUMBER SHALL BE MARKED AND SHALL BE THE SPECIES AND GRADE NOTED BELOW, UNLESS NOTED OTHERWISE IN THE DRAWINGS.

USE	GRADE	Fb(Psi) (BASE VALUE)
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JOISTS, PLANKING, AND BLOCKING
2" TO 4" THICK, 2" AND WIDER DOUGLAS FIR-LARCH NO. 2 900

MAXIMUM MOISTURE CONTENT OF WOOD SHALL BE 19% OR LESS FOR FRAMING MEMBERS 2" TO 4" THICK UNLESS NOTED OTHERWISE IN THE SPECIFICATIONS. ALL WOOD FRAMING SHALL BE TREATED WHEN IN CONTACT WITH CONCRETE OR MASONRY UNLESS AN APPROVED BARRIER IS PROVIDED. IN ADDITION, TREAT ALL WOOD FRAMING EXPOSED TO SOIL, MOISTURE OR WEATHER. SAWN ENDS AND DRILLED HOLES OF ALL LUMBER SUBJECT TO DETERIORATION SHALL BE TREATED WITH WOOD PRESERVATIVE. CUTTING AND NOTCHING OF JOISTS AND STUDS SHALL CONFORM TO THE IBC. PROVIDE DOUBLE TRIMMER AND HEADER JOISTS AT OPENINGS THAT CUT JOISTS. PROVIDE JOIST HANGERS WHERE JOISTS FRAME INTO HEADER AND HEADERS INTO TRIMMERS.

AT EXPOSED AND INTERIOR CONDITIONS WITH TREATED WOOD, CONNECTORS SHALL BE GALVANIZED AS PER THE MANUFACTURER'S RECOMMENDATIONS AND SHALL TAKE INTO ACCOUNT THE CHEMICAL TREATMENT USED IN THE WOOD. AS A MINIMUM, 16 GAGE OR THINNER CONNECTORS SHALL RECEIVE A G-185 ZINC COATING, AND 14 GAGE OR THICKER CONNECTORS SHALL RECEIVE A POST HOT-DIP GALVANIZING OF G-185. ALL FASTENER MATERIAL USED SHALL MATCH THE MATERIAL USED IN THE CONNECTOR. AT INTERIOR CONDITIONS WITH NON-TREATED WOOD, CONNECTORS SHALL BE GALVANIZED WITH A MINIMUM OF G-90.

BOLTS SHALL BE ASTM A307. BOLT HEADS AND NUTS SHALL BEAR ON STANDARD MELEABLE IRON (M.I.) WASHERS. ANCHOR BOLTS (AT SILLS, LEDGERS, TOP OF WALLS, ETC.) SHALL BE TYPE GALVANIZED A307 (MIN.) AND SHALL HAVE A STANDARD HEX NUT AND A 3" SQUARE x 1/4" PLATE WASHER. BOLT HOLES SHALL BE A MAXIMUM OF 1/16" LARGER THAN THE BOLT DIAMETER. NUTS SHALL BE SNUG TIGHTENED AND THEN TURNED AN ADDITIONAL 1/2 TURN.

LAG SCREWS SHALL BE ASTM A307. LAG SCREWS SHALL BE PRE-BORED WITH THE LEAD HOLE FOR THE SHANK EQUAL TO THE DIAMETER AND LENGTH OF THE UNTHREADED PORTION IN THE MAIN MEMBER AND THE LEAD HOLE FOR THE THREADED PORTION EQUAL TO 80% OF THE SHANK DIAMETER. LUBRICATE WITH SOAP AS NECESSARY TO EASE INSTALLATION. LAG SCREWS SHALL BE SCREWED IN PLACE AND NOT DRIVEN INTO PLACE.

WOOD SCREW LEAD HOLES SHALL BE PRE-BORED WITH A DIAMETER OF 70% OF THE ROOT DIAMETER OF THE SCREW. LUBRICATE WITH SOAP AS NECESSARY TO EASE INSTALLATION. SCREWS SHALL BE SCREWED IN PLACE AND NOT DRIVEN INTO PLACE.

ALL FRAMING NAILS SHALL BE COMMON NAILS AND SHALL BE OF THE SIZE AND NUMBER INDICATED ON THE DRAWINGS (BOX NAILS SHALL NOT BE USED). NAILING NOT SHOWN SHALL BE AS INDICATED ON IBC TABLE 2304.9.1. NAILS TO PRESURE TREATED WOOD SHALL BE GALVANIZED. PREDRILL NAIL HOLES TO 75% OF THE NAIL SHANK DIAMETER WHERE NAILS TEND TO SPLIT WOOD.

FRAMING ACCESSORIES AND STRUCTURAL FASTENERS SHALL BE MANUFACTURED BY SIMPSON COMPANY (OR APPROVED EQUAL) AND OF THE SIZE AND TYPE SHOWN ON THE DRAWINGS. INSTALL ALL FASTENERS CALLED OUT BY THE PRODUCT MANUFACTURER UNLESS NOTED OTHERWISE ON THE DRAWINGS. HANGERS NOT SHOWN SHALL BE SIMPSON HU OR SIZE RECOMMENDED FOR MEMBER.

DEFERRED STRUCTURAL SUBMITTALS:

STRUCTURAL SYSTEMS THAT HAVE BEEN DEFINED AS VENDOR-DESIGNED OR DESIGN-BUILD COMPONENTS PER THE DRAWINGS AND/OR PROJECT SPECIFICATIONS ARE DEFERRED SUBMITTAL COMPONENTS THAT HAVE NOT BEEN PERMITTED UNDER THE BASE BUILDING APPLICATION. SUBMITTALS SHALL INCLUDE SHOP DRAWINGS AND CALCULATIONS FOR THE DESIGN AND FABRICATION OF ITEMS, AND THEY SHALL BE STAMPED BY A LICENSED ENGINEER REGISTERED IN THE STATE OF OREGON AND SUBMITTED TO THE A/E FOR APPROVAL. SUBMITTALS SHALL BE MADE TO THE A/E FOR APPROVAL A MINIMUM OF 14 DAYS PRIOR TO FABRICATION. THE CONTRACTOR SHALL SUBMIT THESE REVIEWED DEFERRED SUBMITTAL DOCUMENTS TO THE BUILDING OFFICIAL. THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THE DESIGN AND SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE BUILDING OFFICIAL.

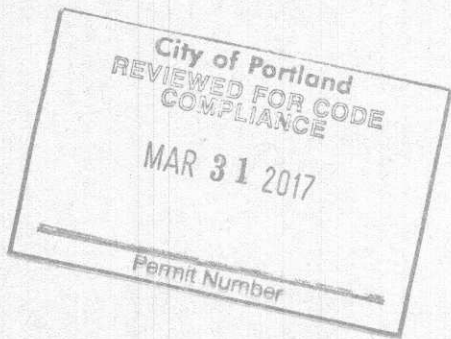
DESIGN-BUILD ITEMS SHALL BE DESIGNED FOR ALL LOADS LISTED IN THESE DRAWINGS AND CODE-DEFINED LOADS PLUS INDUSTRY STANDARD LOADS, INCLUDING GRAVITY, WIND, SEISMIC AND ERECTION LOADS. CALCULATIONS SHALL INCLUDE REVIEW OF LOCAL STRESSES ON STRUCTURAL ELEMENTS DUE TO THE SELECTED CONNECTION METHOD. ADDITIONALLY, CALCULATIONS AND DRAWINGS SHALL CLEARLY INDICATE THE LOADS IMPOSED UPON THE STRUCTURAL SUPPORT FRAMING.

THE FOLLOWING LIST INCLUDES ITEMS THAT ARE DEFINED AS DEFERRED STRUCTURAL SUBMITTAL COMPONENTS. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL AND CIVIL DRAWINGS FOR ADDITIONAL DEFERRED SUBMITTAL COMPONENTS.

- RTU ATTACHMENT TO CURB

ABBREVIATIONS

@ L OR ANG	AT ANGLE	IBC ICC ID IN INFO INT	INTERNATIONAL BUILDING CODE INTERNATIONAL CODE COUNCIL INSIDE DIAMETER INCH INFORMATION INTERIOR
# ⊥	POUND/NUMBER PERPENDICULAR	JST K KSI	JOIST KIPS KIPS PER SQUARE INCH
(A) AB ACI ADD'L ADJ AFF AISC	ABOVE ANCHOR BOLT AMERICAN CONCRETE INSTITUTE ADDITIONAL ADJACENT ABOVE FINISHED FLOOR AMERICAN INSTITUTE OF STEEL CONSTRUCTION ALTERNATE	LBS LL LLH LLV LONG LSH LSL LVL	POUNDS LIVE LOAD LONG LEG HORIZONTAL LONG LEG VERTICAL LONGITUDINAL LONG SLOTTED HOLE TIMBERSTRAND MICROLAM
ALT APPROX ARCH ASCE	APPROXIMATE ARCHITECTURAL AMERICAN SOCIETY OF CIVIL ENGINEERS	MANUF. MAX. M.B. M.B.S. MECH. MEZZ M.F.R. MIN. MISC MTL	MANUFACTURE MAXIMUM MACHINE BOLT METAL BUILDING SUPPLIER MECHANICAL MEZZANINE MANUFACTURER MINIMUM MISCELLANEOUS METAL
ASTM AWS	AMERICAN SOCIETY FOR TESTING AND MATERIALS AMERICAN WELDING SOCIETY	NO OR # NTS	NUMBER NOT TO SCALE
(B) BC B OR BM B.N. BLDG BLK BLKG BRD OR BD BOT OR BOTT BRG BTWN	BELOW BOTTOM CHORD BEAM BOUNDRY NAIL BUILDING BLOCK BLOCKING BOARD BOTTOM BEARING BETWEEN	CIP CJ CJP CMU CL CLR COL CONC CONN CONST CONT COORD CTR	CAST IN PLACE CONTROL/CONSTRUCTION JOINT COMPLETE JOINT PENETRATION CONCRETE MASONRY UNITS CENTERLINE CLEAR COLUMN CONCRETE CONNECTION CONSTRUCTION CONTINUOUS COORDINATE CENTER
d DBA DBL DC DF-L DIA OR Ø DIM DIM DL DP DWG DWL	PENNY SIZE DEFORMED BAR ANCHOR DOUBLE DEMAND CRITICAL DOUGLAS FIR-LARCH DIAMETER DIAGONAL DIMENSION DEAD LOAD DEEP DRAWING DOWEL	d DBA DBL DC DF-L DIA OR Ø DIM DIM DL DP DWG DWL	
EA EB EF EJ ELEV., EL EMBED EN ENG EQ ES ETC EXIST EXP EXT EW EXP. BOLT	EACH ERECTION BOLT EACH FACE EXPANSION JOINT ELEVATION EMBEDMENT EDGE NAIL ENGINEER EQUAL EACH SIDE ETCETERA EXISTING EXPANSION EXTERIOR EACH WAY EXPANSION BOLT	EA EB EF EJ ELEV., EL EMBED EN ENG EQ ES ETC EXIST EXP EXT EW EXP. BOLT	
FIN FLG FLR FND FOB FOM FOP FOS FOW FS FT FTG	FINISHED FLANGE FLOOR FOUNDATION FACE OF BUILDING FACE OF MASONRY FACE OF PLATE FACE OF STUD FACE OF WALL FAR SIDE FEET/FOOT FOOTING	FIN FLG FLR FND FOB FOM FOP FOS FOW FS FT FTG	
GA GALV GB/GYP GEN GL GL GRD	GAGE, GAUGE GALVANIZED GYPSUM BOARD GENERAL GLUE-LAMINATED GRIDLINE GRADE	GA GALV GB/GYP GEN GL GL GRD	
HD HD'D HDG HDR HGR HORIZ HSA HSB HSS HT/HGT	HOLDOWN HEADED HOT-DIPPED GALVANIZED HEADER HANGER HORIZONTAL HEADED STUD ANCHORS HIGH STRENGTH BOLTS HOLLOW STRUCTURAL STEEL HEIGHT	HD HD'D HDG HDR HGR HORIZ HSA HSB HSS HT/HGT	
		V.B VERT V.I.F., ± W/ W/O WF WP WT WWF	VAPOR BARRIER VERTICAL VERIFY IN FIELD WITH WITHOUT WIDE FLANGE STEEL BEAM WEATHERPROOF/WORK POINT WEIGHT WELDED WIRE FABRIC



EXPIRES: 12/31/15

Client:

IDEXX
Laboratories

One IDEXX Drive
Westbrook, Maine 04092

Project:

Laboratory
Expansion

7525 Ambassador Place, Ste. A
Portland, Oregon 97220

Sheet Title:

Structural
Information

Revisions:

8 - 11 January 2016
Plancheck Response

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Date: 23 November 2015

Drawn by: Checked by:

Job Number: 115075

Sheet

Client:
**IDEXX
Laboratories**

One IDEXX Drive
Westbrook, Maine 04092

Project:
**Laboratory
Expansion**

7525 Ambassador Place, Ste. A
Portland, Oregon 97220

Sheet Title:
**Roof Framing
Plan**

Revisions:
3 11 January 2016
Plancheck Response

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Date: 23 November 2015

Drawn by: Checked by:

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Sheet

Permit Set - November 2015

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