AMERCAN SOCIETY OF CVIL ENGNEERS: UNMUMUM DESKIE LOAD SFOR PULLDINGS AND OTHER STRUCTURES, ANS/ASCE - 205, 2005. EXSTINC FINAL WELDING CODE - SHEET STEEL, 2nd ED, ANS/ANS D13, 2008. IL DESIGN ASSUMPTIONS THE ARCHECT MAILOR ENGNEER OF RECORD MUST REVEW AND APPROVE THE FOLLOWING DESIGN ALL CONNECTIONS BELTOR ENGNEER OF RECORD MUST REVEW AND APPROVE THE FOLLOWING DESIGN ALL CONNECTIONS BELTOR ENGNEER AS PER THE PLANS AND SPECIFICATIONS AT THE TIME OF INSTALLATION. THE ARCHECT MAILOR ENGNEER OF RECORD MUST REVEW AND APPROVE THE FOLLOWING DESIGN ALL CONNECTIONS BELTOR ENGNEER AS PER THE PLANS AND SPECIFICATIONS AT THE TIME OF INSTALLATION. STRUCTURAL DESIGN CRETERIA: 1. DESIGN LOADS: 1. DESIGN NOD: LOCATION: PORTLAND, MANE WIND LOAD (PER ASE 2005 SECTION 6.0 COMPONENTS AND CLADDING): OCCUPANCY CATEGORY II BOL DORTANCY CATEGORY II DESIGN MUSTER FACTOR (FER BE WIND LOAD (PER ASE 2005 SECTION 6.0 COMPONENTS AND CLADDING): OCCUPANCY CATEGORY II BOL DORTANCY CATEGORY II DESIGN READE CONDITIONS. MAY DESCREPTIONED ASE WIND LOAD (PER ASE 2005 SECTION 7.0) N THE BAULDER FACTOR (FER BE WIND LOAD (PER ASE 2005 SECTION 7.0) N THE BAULDER FACTOR (FER FERLINES) WIND LOADS - COMPONENTIS A CLADDING WIND LOADS - COMPONENTIS A CLADDI	S THE 2009 EDITION OF THE INTERNATIONAL BUILDING CODE (IBC 2009). 1 AMERICAN SOCIETY OF CIVIL ENGINEERS: MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, ANSI/ASCE 7-05, 2005. 10 AMERICAN WELDING SOCIETY: STRUCTURAL WELDING CODE – SHEET STEEL, 2nd ED., ANSI/AWS D1.3, 2008. 10 10 DESIGN ASSUMPTIONS 1 THE ARCHITECT AND/OR ENGINEER OF RECORD MUST REVIEW AND APPROVE THE FOLLOWING DESIGN ASSUMPTIONS BEFORE THE SHOP DRAWINGS MAY BE USED. 2 ALL CONNECTIONS SHALL BE COMPLETE AS PER THE PLANS AND SPECIFICATIONS AT THE TIME OF INSTALLATION. 3 STRUCTURAL DESIGN CRITERIA: 1 DESIGN WIND: LOCATON: PORTLAND, MAINE WIND LOAD (PE ASCE 2005 SECTION 6.0 COMPONENTS AND CLADDING): OCCUPANCY CATEGORY II P BASIC WIND SPEED V = 100 MPH WIND LOAD (PE ASCE 2005 SECTION 7.0 COLUPANCY EACTOR P = B IMPORTANCE FACTOR (I = 1.0 DEFLECTION CRITERIA: L/360 OF THE WALL FRAMING LENGTH. I. ROOF LIVE LOAD: SNOW LOAD: 50 PSF (GROUND SNOW LOAD 20 PSF) PLUS SNOW DRIFT LOADING WHERE APPLICABLE (PER ASCE 2005 SECTION 7.0) SNOW LOAD: 50 PSF (GROUND SNOW LOAD 20 PSF) PLUS SNOW DRIFT LOADING WHERE APPLICABLE (PER ASCE 2005 SECTION 7.0) SNOW LOADS - COMPONENTS & CLADDING WALLS (- ZONE 4) WALLS (- ZONE 5) P =	 COPYRIGHT. THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIM EXISTING FINISH GRADE CONDITIONS. DO NOT SCALE THE DRAWING SHALL BE REPORTED TO DOWNEAST STRUCTURAL CONSULTANTS WIT TO ALL DESIGNS AND DRAWINGS ARE THE PROPERTY OF DOWNEAST PLLC. REPRODUCTION OR USE FOR ANY PURPOSE OTHER THAN THA' STRUCTURAL CONSULTANTS, PLLC IS PROHIBITED. LIABILITY / DISCLAIMER: WHILE GREAT EFFORT HAS BEEN EXERTED TO INSURE THAT THESE OF COMPLETE AND ACCURATE, DOWNEAST STRUCTURAL CONSULTANTS, FOR ANY BUILDING CONSTRUCTED FROM THIS PLAN. ALL CONSTRUCT DOWNEAST STRUCTURAL CONSULTANTS, PLLC ARE PROVIDED AS-IS. THE OWNER/BUILDER TO PERFORM BUILDING REVEWS BEFORE BEGINI INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING: A. VERIFY ALL DIMENSIONS B. REVIEW DEMOLITION PROCEDURES (WHERE REQUIRED) WITH / DETERMINE POSSIBLE STRUCTURAL INSTABILITES AND DEVEN C. VERIFY ACTUAL SITE CONDITIONS. ANY DISCREPANCIES ON BY THE BUILDER PRIOR TO CONSTRUCTION. CONSTRUCTION BE UNDERTAKEN WITHOUT THE ASSISTANCE OF A QUALIFIED CONCRETE NOTES: 1. ALL CONCRETE WORK SHALL CONFORM TO ACI-318. CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE 3500 PSI AT FOUNDATION WALLS AND FOOTINGS, 4000 PSI AT SLABS, MAXIMUM SIZE AGGREGATE SHALL BE 3/4". ALL CONCRETE WITH THE EXCEPTION OF INTERIOR FLOOR SLABS SHALL BE AIR ENTRAINED. CONCRETE SHALL NOT BE PLACED IN WATER OR ON FROZEN GF REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 60. DEFORMED BARS SHALL BE DETAILED AND FABRICATED IN ACCORDANCE TO ACI-315. LATEST EDITION, AND PLACED IN ACCORDANCE TO ACI-318. SPLICES OF REINFORCING BARS SHALL BE IN ACCORDANCE WITH ACI-318. SPLICES OF WWF SHALL BE 6" MINIMUM. ANCHOR BOLTS SHALL CONFORM TO ASTM F1554 UNLESS OTHER 8. CONCRETE COVER OVER REINFORCEMENT SHALL BE AS FOLLOWS CONCRETE CAST AGAINST EARTH = 3" CONCRETE COVER OVER REINFORCEMENT SHALL BE AS FOLLOWS CONCRETE CAST AGAINST EARTH OR WEATHER = 2" FOR
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ESPONSIBLE FOR ALL DIMENSIONS INCLUDING VERIFYING IOT SCALE THE DRAWING-ANY ERROR OR OMISSIONS CTURAL CONSULTANTS WITHOUT DELAY. THE COPYRIGHTS PROPERTY OF DOWNEAST STRUCTURAL CONSULTANTS, RPOSE OTHER THAN THAT AUTHORIZED BY DOWNEAST BITED.

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(WHERE REQUIRED) WITH A DESIGN PROFESSIONAL TO INSTABILITIES AND DEVELOP A DEMOLITION PLAN. ANY DISCREPANCIES ON THE PLANS MUST BE RESOLVED RUCTION. CONSTRUCTION OF ANY HOME SHOULD NOT SISTANCE OF A QUALIFIED BUILDING PROFESSIONAL.

ATER OR ON FROZEN GROUND. O ASTM A615 GRADE 60. AND FABRICATED IN DITION, AND PLACED IN

BE IN ACCORDANCE WITH 6" MINIMUM.

STM F1554 UNLESS OTHERWISE NOTED. T SHALL BE AS FOLLOWS:

= 3" = 2" FOR #6 AND LARGER = 1-3/4" FOR #5 AND SMALLER OR WEATHER = 3/4"



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DECK RENOVATION 226 WOODFORD STREET PORTLAND, MAINE

FASTENER SCREWS

POWDER ACTUATED FASTENERS

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FASTENERS & CONNECTORS

ER TYPE	SUBSTRATE	DESCRIPTION	PRODUCT
6	METAL TRACK	#10-16 x %" PAN HEAD	BUILDEX 'TEKS' COMPASS 'DARTS' GRABBER SELF DRILLING SCREWS
	COLD FORMED STEEL STUD TO STUD	#10-16 x %" HEX HEAD ∄₩₩≫	HILTI KWIK PRO OR BUILDEX 'TEKS' COMPASS GRABBER SELF TAPPING FASTENERS
	COLD FORMED STEEL TO STRUCTURAL STEEL	#12-14 x 1 ¼" HEX HEAD, #5 TIP	HILTI KWIK PRO OR BUILDEX 'TEKS' SELF TAPPING FASTENERS
	WOOD FRAMING OR PLYWOOD TO WOOD STRUCTURAL FRAMING	#14-20 x 2 ³ ⁄4" FLAT HEAD WINGED, #3 TIP	HILTI KWIK PRO OR SIMPSON STRONG-TIE SDWS TIMBER SCREW
	COLD FORMED STEEL TO CONCRETE OR CONCRETE MASONRY	¼"Ø x 1 ¾" TAPERED HEX HEAD W/ T-27 TORX RECESS	HILTI KWIK CON II CONCRETE AND MASONRY SCREW ANCHOR
२ ED ERS	CONCRETE OR GROUTED CONCRETE MASONRY	0.157"Ø x 1 ¼" 0.145"Ø x 1 ¼"	HILTI X-U HILTI X-DNI
	STRUCTURAL STEEL	0.157"Øx 5⁄8" 0.145"Øx 5∕8"	HILTI X-U HILTI X-DNI

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