

CHECK LATERAL LOADING/WIND.
 CODE: MUBE/IRC 2009, ASCE 7-10.
 ASSUME 120 MPH, 3 SEC GUST (MAX FOR MAINE AND NEW HAMPSHIRE COAST.
 ASSUME EXPOSURE D, FULLY EXPOSED, REACH OVER 1 MILE IN ANY DIRECTION.
 Kzt = 1.0 (TOPO FACTOR, FLAT)
 RISK CATEGORY II.

ASSUME 4 CONFIGURATIONS: 12X12 GABLE, 12X18 GABLE, 12X18 SHED, 12X18 SHED
 PANELIZED CONSTRUCTION W/ SIPS ROOFING ON EXISTING DECKS, ATTACHED TO EXISTING HOUSES.
 DECK AND HOUSE ARE ASSUMED TO BE ADEQUATELY ATTACHED TO FOUNDATIONS.
 SNOW LOAD EVALUATION BY OTHERS.
 NO ADDITIONAL UPLIFT IS ASSUMED BELOW DECK.
 WIND CALCULATIONS: SEE UJ SPREADSHEETS ATTACHED (ANALYSIS 1, ANALYSIS 2, ANALYSIS 3, ANALYSIS 4)

90° DECK TO EAVES, 42" EAVES TO RIDGE, NO HEAT, PLUMBING, 3-SEASON ROOM ONLY, ADVANTECH FLOOR
 SHEATHING ON EXISTING DECKING, 2X4 SFF #2 STUDS, 2X6 SFF #2 HEADER, LVL RIDGE BEAM, AND LVL
 FRONT HEADER ON GABLE END. ROOF IS MIN 4-625" SIPS (3.2 PSF, + ROOFING 3 PSF), OVERHANG IS 12" ALL
 SIDES. WALL DEAD LOAD ASSUMED TO PSF.

MATERIALS, CONNECTIONS TO BE GENERALLY PER SHEETS 1-17 OF 17, DREAMROOM 6400 SERIES.
 FASTENERS: SIPS SCREWS = FASTENMASTER HEADLOK (OR ALSO TRUFAST SIF TP OR GRK R55 LFS), 6" OR
 AS REQUIRED TO FULLY EMBED SCREW END IN SECOND MATERIAL.

SCREWS TO BE INSTALLED SUCH THAT SCREW END IS FULLY IN SECOND MATERIAL
 HEADLOK WITHDRAWAL: 0.42 SG (SFF #2) = 641# OF SCREW, 0.35 SG (LVL) - 1006# OF SCREW
 HEADLOCK LATERAL LOAD: 0.42 SG = 230#, 0.35 SG = 270#

CONNECTOR A = BC40, 510# UPLIFT, 735# LATERAL,
 WHERE USED W/ SD SCREWS (SD1012): 805# UPLIFT, 770# LATERAL.
 CONNECTOR B = BC52-2/4, 780# UPLIFT, 1025# LATERAL.
 CONNECTOR C = RTCA4, 2140# DOWN LOAD
 CONNECTOR D = L550, 465# SNOW LOAD, DOWN LOAD

SIMPSON LIGHT GAUGE METAL CONNECTORS TO BE INSTALLED WITH FULL FASTENERS PER SIMPSON
 CATALOG. <http://www.strongtie.com/ftp/catalog/c-c-2015/c-c-2015.pdf>
 SIMPSON SD #10 2 1/2" SCREWS USED WHERE CALLED OUT BELOW.



<http://www.strongtie.com/ftp/catalog/c-c-2015/c-c-2015.pdf>

Helen C. Watts, PE, SECB
HELEN WATTS ENGINEERING, PLLC
 455 Litchfield Road
 Bowdoin, ME 04287
 (207) 522-9366 - fax (207) 666-3920
 hcwatts@gwi.net
<http://helenwattsengineering07.tripod.com>

Project Name: SUNSPACE LATE LOAD Number: 15-018
 Designed by: H.C.W. Date: 5/21/15
 Checked by: _____ Date: _____
 Sheet _____ of _____

DATE: 03/20/2015
 DRAWN BY: PJS
 DR-6400

Dreamroom 6400 Series®
 Patio Enclosure System

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AMERICAN DREAMSPACE, INC
 40 Market St, North Berwick, ME 03906

Helen C. Watts, PE, SECB
 Helen Watts Engineering PLLC
 455 Litchfield Road
 Bowdoin, ME 04287 (207) 522-9366