Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 11/15/17

NOTE:
- WHERE 16d SINKERS ARE REQUIRED, USE 10d X2-1/2" NAILS
- WHERE 16d COMMON ARE REQUIRED, USE 16d X2-1/2" NAILS

Model No.	Total L	Ga	DF/SP Fasteners	DF/SP End Length	SPF/HF Fasteners	SPF/HF End Length	Allowable Tension Loads (100)
[illegible]	40	12	[illegible]	[illegible]	[illegible]	[illegible]	1210
[illegible]	52½	14	[illegible]	[illegible]	[illegible]	[illegible]	1490
[illegible]	54	16	[illegible]	[illegible]	[illegible]	[illegible]	1695
[illegible]	100	14	[illegible]	[illegible]	[illegible]	[illegible]	1490
[illegible]	100	16	[illegible]	[illegible]	[illegible]	[illegible]	1705
[illegible]	200	16	[illegible]	[illegible]	[illegible]	[illegible]	1270
[illegible]	200	20	[illegible]	[illegible]	[illegible]	[illegible]	1000
[illegible]	300	20	[illegible]	[illegible]	[illegible]	[illegible]	1450

Model No.	Ga	Dimensions W	Dimensions L	Fasteners (Total)	Allowable Tension Loads (DF/SP) (100)	Allowable Tension Loads (SPF/HF) (100)
LSTA9	20	1½	5	8-10d	740	635
LSTA12		1½	12	10-10d	925	795
LSTA15		1½	15	12-10d	1110	950
LSTA18		1½	18	14-10d	1235	1110
LSTA21		1½	21	16-10d	1235	1235
LSTA24		1½	24	18-10d	1235	1235
LTS20		2⅛	9⅛	12-8d	1265	1120
LTS22		2⅛	12⅛	16-8d	1510	1305
LTS25		3	18⅛	10-16d	660	660
LTS27		2⅛	18⅛	20-16d	1875	1875
LSTA30	18	1½	30	22-10d	1640	1640
LSTA36		1½	36	24-10d	1640	1640
LSTH8		3½	48	32-10d x 1½	2515	2255
LSTH12		3½	73	48-10d x 1½	4205	3630
MSTA9		1½	9	8-10d	750	640
MSTA12		1½	12	10-10d	940	810
MSTA15		1½	15	12-10d	1130	970
MSTA18		1½	18	14-10d	1315	1130
MSTA21		1½	21	16-10d	1505	1290
MSTA24		1½	24	18-10d	1640	1405
MSTA30		1½	30	22-10d	2050	1800
MSTA36		1½	36	26-10d	2050	2020
MSTA48		1½	48	26-10d	2020	2020
LTB215		2½	15⅛	20-16d	2005	1900
LTB224		2½	23⅛	28-16d	2540	2540
LTS	18	1½	9	8-16d	885	760
LTS12		1½	11½	10-16d	1105	950
LTS18		1½	17½	14-16d	1400	1330
LTS22		1½	21½	18-16d	1400	1400
MSTC28		3	28½	36-16d sinkers	3415	2590
MSTC40		3	40½	52-16d sinkers	4715	4005
MSTC52		3	52½	60-16d sinkers	4715	4715
STHP37		3	3	20-10x1½	1655	1600
MSTC66		3	65½	76-16d sinkers	5860	5860
MSTC78	14	3	77½	76-16d sinkers	5860	5860
LTB236		2½	33½	40-16d	3845	3845
HRS6	12	1½	6	6-10d	605	521
HRS8		1½	8	10-10d	1010	880
HRS12		1½	12	14-10d	1415	1230
MSTI26		2½	26	26-10x1½	2745	2325
MSTI36		2½	36	36-10x1½	3810	3230
MSTI48		2½	48	48-10x1½	5265	4290
MSTI60		2½	60	60-10x1½	5060	5060
MSTI72		2½	72	72-10x1½	5060	5060
HRS4GZ		3½	16	16-SDS 4"x1½"	2810	2305

Model No.	L	Fasteners (total)	Allowable Loads (160)
TS9	9	8-16d	530
TS12	11¼	10-16d	665
TS18	17¼	14-16d	830
TS22	21¼	18-16d	1215

Actual Joist Size	Model No.[1]	Ga	Dimensions W	Dimensions H	Dimensions B	Min/Max[2]	Fasteners[3] Face	Fasteners[3] Joist	Allowable Loads[4] DF/SP Species Header Uplift (160)	DF/SP Floor (100)	DF/SP Snow (115)	DF/SP Roof (125)	SPF/HF Species Header Floor (100)	SPF/HF Snow (115)	SPF/HF Roof (125)
1¾x9¼	[illegible]	14	1⅝	9¼	2½	Min	22-16d	8-10d x 1½	410	1790	2070	2465	1540	1730	1980
			1⅝	9¼	2½	Max	46-16d	6-10d x 1½	410	2380	2685	2860	2050	2310	2460
1¾x11¾	[illegible]	14	1⅝	11¾	2½	Min	12-16d	4-10d x 1½	410	1790	2070	2465	1540	1730	1980
			1⅝	11¾	2½	Max	46-16d	8-10d x 1½	410	2380	2685	2860	2050	2310	2460
1¾x9¼	[illegible]	16	1½	9¼	3	—	30-16d	10-16d	2460	3135	3595	3460	4705	5105	5195
		14	1½	9¼	2½	Min	18-16d	6-10d x 1½	995	2570	2920	4315	2075	3470	3730
			1½	9¼	2½	Max	24-16d	10-10d x 1½	995	2570	2920	4315	2075	3470	3730
	[illegible]		1½	9	3	—	8-SDS ¼"x1½"	4-SDS ¼"x1½"	1605	2000	2300	2500	1440	1655	1800
1¾x11¾	[illegible]	16	1½	11¾	3	—	30-16d	10-16d	2460	3135	3595	3460	4705	5105	5195
	[illegible]	14	1½	11¾	2½	Min	22-16d	8-10d x 1½	410	2275	2605	3910	2020	3190	3420
			1½	11¾	2½	Max	30-16d	10-10d x 1½	995	4465	4705	4910	3845	4345	4460
	[illegible]		1½	11	3	—	10-SDS ¼"x1½"	4-SDS ¼"x1½"	1605	2500	2875	3125	1800	2070	2250
1¾x14	[illegible]	16	1½	14	3	—	30-16d	10-16d	2460	3135	3595	3460	4705	5105	5195
	[illegible]	14	1½	14	3	—	34-16d	8-10d x 1½	1110	2310	2695	2460	1725	1965	2150
	[illegible]		1½	13½	2½	Min	28-16d	8-10d x 1½	1110	4695	4420	4685	3595	4050	4320
			1½	13½	2½	Max	36-16d	14-10d x 1½	2310	5005	5275	5520	4810	5000	5150
	[illegible]		1½	11	3	—	10-SDS ¼"x1½"	4-SDS ¼"x1½"	1605	2500	2875	3125	1800	2070	2250
3½x9¼	[illegible]	14	3½	9¼	2½	Min	10-16d	1-16d	780	1680	1980	1980	1280	1440	1550
			3½	9¼	2½	Max	14-16d	1-16d	1130	2385	2550	2530	1765	2025	2190
	[illegible]		3½	9¼	2	—	6-16d	1-16d	1000	1395	1615	1960	1365	1555	1685
	[illegible]	12	3½	4½	4	—	20-16d	1-16d	2130	4360	4860	5220	3750	4230	4550
	[illegible]	14	3½	7½	3	—	22-16d	1-16d	2000	4210	4715	5140	3615	4095	4415
	[illegible]	12	3½	7½	4	—	30-16d	2-16d	2230	4860	4860	5460	4415	4415	4415
3½x11¾	2416	16	3½	8½	2	—	14-16d	1-16d	1110	2315	2695	2460	1725	1965	2150
	[illegible]		3½	8½	2	—	8-16d	1-16d	2000	2925	3420	3610	1835	2510	2340
	[illegible]	14	3½	8½	2½	Min	14-16d	1-16d	1130	2385	2550	2530	1765	2025	2190
			3½	8½	2½	Max	18-16d	6-10d	995	2580	3025	3350	2305	2690	2980
	[illegible]		3½	9	3	—	30-16d	10-16d	2730	3625	4280	4880	4825	5480	5915
	[illegible]		3½	9	3	—	10-SDS ¼"x2½"	4-SDS ¼"x2½"	2310	4080	4855	4855	3370	3570	3571
	[illegible]	12	3½	7½	4	—	30-16d	10-16d	2730	4860	4860	5460	4415	4415	4415
	[illegible]		3½	9½	4	—	46-16d	16-16d	4005	8100	9100	9100	7825	7825	7825
3½x14	2416	16	3½	13	2	—	16-16d	1-16d	1110	2310	2675	2820	1685	2240	2420
	[illegible]		3½	13	2	—	10-16d	1-16d	1000	2925	3420	3610	1835	2510	2340
	[illegible]	14	3½	13½	2½	Min	20-16d	1-16d	1130	2575	2960	3610	2065	2690	2910
			3½	13½	2½	Max	26-16d	8-10d	2310	3070	4305	4995	3230	3760	4040
	[illegible]		3½	9	3	—	30-16d	10-16d	2730	3625	4280	4880	4825	5480	5915
	[illegible]	12	3½	9½	4	—	46-16d	16-16d	4005	8100	9100	9100	7825	7825	7825
	[illegible]	12	3½	13½	4	—	54-16d	20-16d	5460	9000	9000	9000	8205	8250	8250
	[illegible]	14	3½	11	3	—	14-SDS ¼"x2½"	4-SDS ¼"x2½"	2310	3460	3860	3940	3030	4000	4000
3½x16	[illegible]	14	3½	13½	2½	Min	20-16d	1-16d	1105	2575	2960	3610	2065	2690	2910
			3½	13½	2½	Max	26-16d	8-10d	2310	3070	4305	4995	3230	3760	4040
	[illegible]	12	3½	13½	4	—	56-16d	20-16d	5460	9000	9000	9000	8205	8250	8250
	[illegible]		3½	11	3	—	14-SDS ¼"x2½"	4-SDS ¼"x2½"	2310	3460	3860	3940	3030	4000	4000

[1] Models with a "+" suffix are shipped with a 1/4" x 1-1/2" SDS screw in each hanger hole. Refer to manufacturer's instructions for installation.
[2] Min = Minimum Nailing; Max = Maximum Nailing.
[3] Fasteners: Face = Face Nailing; Joist = Joist Nailing.
[4] Allowable Loads: DF/SP Species Header Uplift (160); Floor (100); Snow (115); Roof (125). SPF/HF Species Header Floor (100); Snow (115); Roof (125).

WIND AND SDC A & B – ALLOWABLE TENSION LOADS FOR DF/SP/SPF/HF (160)

Min. Stud Wall (in)	Model No. Standard	Model No. Rim Joist	Strap Length (L) Standard (in.)	Strap Length (L) Rim Joist (in.)	l_d (in.)	Required Nails	Non-Cracked Midwall	Non-Cracked Corner	Non-Cracked Endwall	Cracked Midwall	Cracked Corner	Cracked Endwall
6	LSTHD8	LSTHD8RJ	18½	32½	8	20 -16d Sinkers	3111	2700	1690	3675	3020	1455
	STHD10	STHD10RJ	24½	38½	10	26 -16d Sinkers	3870	3820	2050	3140	3140	1795
	STHD14	STHD14RJ	26½	39½	14	30 -16d Sinkers	5150	5150	3200	5150	5150	3200
8	LSTHD8	LSTHD8RJ	18½	32½	8	20 -16d Sinkers	3111	2700	2230	3675	3020	1915
	STHD10	STHD10RJ	24½	38½	10	26 -16d Sinkers	4750	4120	2145	4150	3600	2305
	STHD14	STHD14RJ	26½	39½	14	30 -16d Sinkers	5340	5340	4210	5340	5340	4210

SDC C-F – ALLOWABLE TENSION LOADS FOR DF/SP/SPF/HF (160)

Min. Stud Wall (in)	Model No. Standard	Model No. Rim Joist	Strap Length (L) Standard (in.)	Strap Length (L) Rim Joist (in.)	l_d (in.)	Required Nails	Non-Cracked Midwall	Non-Cracked Corner	Non-Cracked Endwall	Cracked Midwall	Cracked Corner	Cracked Endwall
6	LSTHD8	LSTHD8RJ	18½	32½	8	16 -16d Sinkers	2371	2099	1230	2250	1950	1230
	STHD10	STHD10RJ	24½	38½	10	19 -16d Sinkers	2750	2750	1615	2640	2640	1435
	STHD14	STHD14RJ	26½	39½	14	22 -16d Sinkers	3685	3685	2685	3685	3685	2685
8	LSTHD8	LSTHD8RJ	18½	32½	8	16 -16d Sinkers	2611	2125	1635	2250	1950	1915
	STHD10	STHD10RJ	24½	38½	10	20 -16d Sinkers	3400	2940	2295	3400	2940	2175
	STHD14	STHD14RJ	26½	39½	14	24 -16d Sinkers	3815	3815	3000	3815	3815	3000

T.R. ARNOLD & ASSOCIATES, INC. 4303 Chester Dr. Elkhart, IN 46516
State(s) MAINE
Accredited Evaluation and Inspection Agency
This document is certified as being in conformance with LISTED CODES
Aug 8, 2017
Approved By
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TRA APPROVAL LIMITED TO FACTORY-BUILT MODULES ONLY.

Builder to check appropriate box, sign, date, and return to NEH. Plans not checked, signed, and dated will be returned to Builder and subject to renewal from Production Scheduling.

PERMIT PLANS

I HAVE REVIEWED THESE PLANS FOR ACCURACY AND HEREBY AUTHORIZE N.E.H. TO DO THE

- ☐ THERE ARE NO CHANGES TO THIS PLAN, RELEASE THE JOB FOR PRODUCTION.
- ☐ REVISE THE PLANS AS NOTED AND RELEASE THESE PLANS FOR PRODUCTION.
- ☐ REVISE THESE PLANS AS NOTED AND SEND ME ANOTHER SET OF PERMIT PLANS TO RE

Signature

NEW ENGLAND HOMES INDEPENDENT BUILDERS DULY AUTHORIZED AGENT PER CONTRACT AGREEMENT

NOTE: ANY & ALL Modules shipped loose for the site completion of the manufactured product is ULTIMATELY the SOLE RESPONSIBILITY OF THE BUILDER LISTED BELOW to build and finish.

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CMH$_2$ INC

Structure Model: COLONIAL

N.T.S.

DETAILS

Revisions		
9/26/07	RTA	
4/23/07	RTA	
4/04/07	RTA	
8/08/07	RTA	
8/09/07	RTA	
7/26/07	RTA	

Drawn: 9/26/07 JMB

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