Reviewed for Code Compliance
Approved as Noted
Approved with Conditions
11/15/17
Date:

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

Model No.	L	Ga	DF/SP Fasteners	DF/SP End Length	SPF/HF Fasteners	SPF/HF End Length	Allowable Tension Loads (160)
CMST12	40'	12	74 - 16d	33"	84 - 16d	38"	9215
			86 - 10d	39"	98 - 10d	44"	9215
CMST14	52½'	14	56 - 16d	26"	66 - 16d	30"	6490
			66 - 10d	30"	76 - 10d	34"	6490
CMSTC16	54'	16	50 - 16d sinker	20"	58 - 16d sinker	25"	4585
CS14	100'	14	26 - 10d	15"	30 - 10d	16"	2490
			30 - 8d	16"	36 - 8d	19"	2490
CS16	150'	16	20-10d	11"	22 - 10d	13"	1705
			22 - 8d	13"	26 - 8d	14"	1705
CS18	200'	18	16 - 10d	9"	18 - 10d	11"	1370
			18 - 8d	11"	22 - 8d	12"	1370
CS20	250'	20	12 - 10d	6"	14 - 10d	9"	1030
			14 - 8d	9"	16 - 8d	9"	1030
CS22	300'	22	10 - 10d	7"	12 - 10d	7"	845
			12 - 8d	7"	14 - 8d	8"	845

Model No.	Ga	Dimensions W	Dimensions L	Fasteners (Total)	Allowable Tension Loads (DF/SP) (160)	Allowable Tension Loads (SPF/HF) (160)
LSTA9	20	1¼	9	8-10d	740	635
LSTA12		1¼	12	10-10d	925	795
LSTA15		1¼	15	12-10d	1110	950
LSTA18		1¼	18	14-10d	1235	1110
LSTA21		1¼	21	16-10d	1235	1235
LSTA24		1¼	24	18-10d	1235	1235
ST292		2⅛	9⅝	12-16d	1265	1120
ST2122		2⅛	12 13/16	16-16d	1530	1505
ST2115		¾	16 5/16	10-16d	660	660
ST2215		2⅛	16⅝	20-16d	1875	1875
LSTA30	18	1¼	30	22-10d	1640	1640
LSTA36		1¼	36	24-10d	1640	1640
LSTI49		3⅜	49	32-10dx1½	2975	2555
LSTI73		3⅜	73	48-10dx1½	4205	3830
MSTA9		1¼	9	8-10d	750	645
MSTA12		1¼	12	10-10d	940	810
MSTA15		1¼	15	12-10d	1130	970
MSTA18		1¼	18	14-10d	1315	1130
MSTA21		1¼	21	16-10d	1505	1290
MSTA24		1¼	24	18-10d	1640	1455
MSTA30	16	1¼	30	22-10d	2050	1820
MSTA36		1¼	36	26-10d	2050	2050
MSTA49		1¼	49	26-10d	2020	2020
ST6215		2⅛	16⅝	20-16d	2095	1900
ST6224		2⅛	23 9/16	28-16d	2540	2540
ST9		1¼	9	8-16d	885	760
ST12		1¼	11⅝	10-16d	1105	950
ST18		1¼	17¾	14-16d	1420	1330
ST22		1¼	21⅝	18-16d	1420	1420
MSTC28		3	28¼	36-16d sinkers	3455	2980
MSTC40		3	40¼	52-16d sinkers	4745	4305
MSTC52		3	52¼	62-16d sinkers	4745	4745
HTP37Z		3	7	20-10dx1½	1850	1600
MSTC66	14	3	65¾	76-16d sinkers	5860	5860
MSTC78		3	77¾	76-16d sinkers	5860	5860
ST6236		2⅛	33 9/16	40-16d	3845	3845
HRS6	12	1⅜	6	6-10d	605	525
HRS8		1⅜	8	10-10d	1010	880
HRS12		1⅜	12	14-10d	1415	1230
MSTI26		2⅛	26	26-10dx1½	2745	2325
MSTI36		2⅛	36	36-10dx1½	3800	3220
MSTI48		2⅛	48	48-10dx1½	5065	4290
MSTI60		2⅛	60	60-10dx1½	5080	5080
MSTI72		2⅛	72	72-10dx1½	5080	5080
HRS416Z		3¼	16	16-SDS ¼"x1½"	2835	2305

Actual Joist Size	Model No.[3]	Ga	Dimensions W	Dimensions H	Dimensions B	Min/Max[2]	Fasteners[5] Face	Fasteners[5] 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)
1¾ x 5½	HU1.81/5	14	1 5/16	5⅜	2½	Min	12-16d	4-10dx1½	610	1785	2015	2165	1540	1735	1865
			1 5/16	5⅜	2½	Max	16-16d	6-10dx1½	915	2380	2685	2890	2050	2315	2490
1¾ x 7¼	HU7	14	1 5/16	6 11/16	2½	Min	12-16d	4-10dx1½	610	1785	2015	2165	1540	1735	1865
			1 5/16	6 11/16	2½	Max	16-16d	8-10dx1½	1515	2380	2685	2890	2050	2315	2490
1¾ x 9½	HUS1.81/10	16	1 5/16	8⅞	3	—	30-16d	10-16d	3000	5135	5295	5400	4705	5105	5195
	HU9	14	1 5/16	9 9/16	2½	Min	18-16d	6-10dx1½	915	2680	3020	3250	2305	2605	2800
			1 5/16	9 9/16	2½	Max	24-16d	10-10dx1½	1895	3570	4030	4335	3075	3470	3735
	HUC01.81/9-SDS		1 5/16	9	3	—	8-SDS ¼"x1¾"	4-SDS ¼"x1½"	1505	2000	2300	2500	1440	1655	1800
1¾ x 11¼ - 11⅞	HUS1.81/10	16	1 5/16	8⅞	3	—	30-16d	10-16d	3000	5135	5295	5400	4705	5105	5195
	HU11	14	1 5/16	11 7/16	2½	Min	22-16d	6-10dx1½	915	3275	3695	3970	2820	3180	3425
			1 5/16	11 7/16	2½	Max	30-16d	10-10dx1½	1895	4465	4705	4810	3845	4340	4600
	HUC01.81/11-SDS		1 5/16	11	3	—	10-SDS ¼"x1¾"	4-SDS ¼"x1½"	1505	2500	2375	3125	1800	2070	2250
1¾ x 14	HUS1.81/10	16	1 5/16	8⅞	3	—	30-16d	10-16d	3000	5135	5295	5400	4705	5105	5195
	U14		1 5/16	10¼	2	—	14-16d	6-10dx1½	1110	2015	2285	2465	1735	1965	2120
	HU14	14	1 5/16	13 11/16	2½	Min	28-16d	8-10dx1½	1515	4165	4420	4505	3590	4050	4335
			1 5/16	13 11/16	2½	Max	36-16d	14-10dx1½	2015	5055	5275	5420	4615	5000	5130
	HUC01.81/11-SDS		1 5/16	11	3	—	10-SDS ¼"x1¾"	4-SDS ¼"x1½"	1505	2500	2375	3125	1800	2070	2250
3½ x 7¼	HU48/HUC48	14	3⅜	6 13/16	2½	Min	10-16d	4-10d	760	1490	1680	1805	1280	1445	1555
			3⅜	6 13/16	2½	Max	14-16d	6-10d	1135	2085	2350	2530	1795	2025	2180
	HUS48/HUSC48		3⅜	6 9/16	2	—	6-16d	6-16d	1550	1595	1315	1960	1365	1555	1680
	HGUS46	12	3⅜	4⅞	4	—	20-16d	8-16d	2155	4360	4385	5230	3750	4200	4500
	HHUS48	14	3⅜	7⅛	3	—	22-16d	8-16d	2000	4210	4770	5140	3615	4095	4415
	HGUS48	12	3⅜	7⅞	4	—	36-16d	12-16d	3235	7460	7460	7460	6415	6415	6415
3½ x 9¼ - 9½	U410	16	3⅜	8⅜	2	—	14-16d	6-10d	1110	2015	2285	2465	1735	1965	2120
	HUS410/HUSC410	14	3⅜	8 9/16	2	—	8-16d	8-16d	2990	2125	2420	2615	1820	2070	2240
	HU410/HUC410		3⅜	8⅜	2½	Min	14-16d	6-10d	1135	2085	2350	2530	1795	2025	2180
			3⅜	8⅜	2½	Max	18-16d	10-10d	1895	2680	3020	3250	2305	2605	2800
	HHUS410		3⅜	9	3	—	30-16d	10-16d	3735	5635	6380	6880	4835	5480	5910
	HUC0410-SDS		3⅜	9	3	—	12-SDS ¼"x2½"	6-SDS ¼"x2½"	2510	4680	4955	4955	3370	3570	3570
	HGUS48	12	3⅜	7⅞	4	—	36-16d	12-16d	3235	7460	7460	7460	6415	6415	6415
	HGUS410		3⅜	9⅞	4	—	46-16d	16-16d	4095	9100	9100	9100	7825	7825	7825
3½ x 11¼ - 11⅞	U410	16	3⅜	8⅜	2	—	14-16d	6-10d	1110	2015	2285	2465	1735	1965	2120
	HUS412/HUSC412	14	3⅜	10½	2	—	10-16d	10-16d	3635	2660	3025	3265	2275	2590	2795
	HU412/HUC412		3⅜	10⅞	2½	Min	16-16d	6-10d	1135	2380	2685	2890	2050	2315	2490
			3⅜	10⅞	2½	Max	22-16d	10-10d	1895	3275	3695	3970	2820	3180	3425
	HHUS410		3⅜	9	3	—	30-16d	10-16d	3735	5635	6380	6880	4835	5480	5910
	HUC0412-SDS		3⅜	11	3	—	14-SDS ¼"x2½"	6-SDS ¼"x2½"	2510	5460	5560	5560	3930	4000	4000
	HGUS48	12	3⅜	7⅞	4	—	36-16d	12-16d	3235	7460	7460	7460	6415	6415	6415
	HGUS410		3⅜	9⅞	4	—	46-16d	16-16d	4095	9100	9100	9100	7825	7825	7825
	HGUS412		3⅜	10⅞	4	—	56-16d	20-16d	5045	9600	9600	9600	8255	8255	8255
3½ x 14	U414	16	3⅜	10	2	—	16-16d	6-10d	1110	2305	2515	2820	1980	2245	2425
	HUS412/HUSC412	14	3⅜	10½	2	—	10-16d	10-16d	3635	2660	3025	3265	2275	2590	2795
	HU416/HUC416		3⅜	13⅜	2½	Min	20-16d	8-10d	1515	2975	3360	3610	2565	2895	3110
			3⅜	13⅜	2½	Max	26-16d	12-10d	2015	3870	4365	4695	3330	3760	4045
	HHUS410		3⅜	9	3	—	30-16d	10-16d	3735	5635	6380	6880	4835	5480	5910
	HGUS410		3⅜	9⅞	4	—	46-16d	16-16d	4095	9100	9100	9100	7825	7825	7825
	HGUS412	12	3⅜	10⅞	4	—	56-16d	20-16d	5045	9600	9600	9600	8255	8255	8255
	HGUS414		3⅜	12⅞	4	—	66-16d	22-16d	5515	10100	10100	10100	8685	8685	8685
	HUC0412-SDS	14	3⅜	11	3	—	14-SDS ¼"x2½"	6-SDS ¼"x2½"	2510	5460	5560	5560	3930	4000	4000
3½ x 16	HU416/HUC416	14	3⅜	13⅜	2½	Min	20-16d	8-10d	1515	2975	3360	3610	2565	2895	3110
			3⅜	13⅜	2½	Max	26-16d	12-10d	2015	3870	4365	4695	3330	3760	4045
	HGUS412	12	3⅜	10⅞	4	—	56-16d	20-16d	5045	9600	9600	9600	8255	8255	8255
	HGUS414		3⅜	12⅞	4	—	66-16d	22-16d	5515	10100	10100	10100	8685	8685	8685
	HUC0412-SDS	14	3⅜	11	3	—	14-SDS ¼"x2½"	6-SDS ¼"x2½"	2510	5460	5560	5560	3930	4000	4000

Model No.	L	Fasteners (Total)	Allowable Loads (160)
TS9	9	8-16d	530
TS12	11⅝	10-16d	665
TS18	17¼	14-16d	930
TS22	21⅝	18-16d	1215

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

Min. Stem Wall (in)	Model No. Standard	Model No. Rim Joist	Strap Length (L) Standard (in.)	Strap Length (L) Rim Joist (in.)	l_e (in.)	Required Nails	Non-Cracked Midwall	Non-Cracked Corner	Non-Cracked Endwall	Cracked Midwall	Cracked Corner	Cracked Endwall
6	LSTHD8	LSTHD8RJ	18⅛	32¼	8	20 -16d Sinkers	3115	2700	1690	2675	2320	1455
	STHD10	STHD10RJ	24⅛	38¼	10	24 -16d Sinkers	3820	3820	2050	3140	3140	1705
	STHD14	STHD14RJ	26⅞	39⅝	14	30 -16d Sinkers	5150	5150	3200	5150	5150	3200
8	LSTHD8	LSTHD8RJ	18⅛	32¼	8	20 -16d Sinkers	3115	2700	2230	2675	2320	1915
	STHD10	STHD10RJ	24⅛	38¼	10	28 -16d Sinkers	4755	4120	3145	4195	3500	2585
	STHD14	STHD14RJ	26⅞	39⅝	14	30 -16d Sinkers	5345	5345	4210	5345	5345	4210

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

Min. Stem Wall (in)	Model No. Standard	Model No. Rim Joist	Strap Length (L) Standard (in.)	Strap Length (L) Rim Joist (in.)	l_e (in.)	Required Nails	Non-Cracked Midwall	Non-Cracked Corner	Non-Cracked Endwall	Cracked Midwall	Cracked Corner	Cracked Endwall
6	LSTHD8	LSTHD8RJ	18⅛	32¼	8	16 -16d Sinkers	2270	2090	1220	2250	1950	1220
	STHD10	STHD10RJ	24⅛	38¼	10	18 -16d Sinkers	2750	2750	1615	2640	2640	1435
	STHD14	STHD14RJ	26⅞	39⅝	14	22 -16d Sinkers	3695	3695	2685	3695	3695	2685
8	LSTHD8	LSTHD8RJ	18⅛	32¼	8	16 -16d Sinkers	2615	2125	1635	2250	1950	1610
	STHD10	STHD10RJ	24⅛	38¼	10	20 -16d Sinkers	3400	2940	2295	3400	2940	2175
	STHD14	STHD14RJ	26⅞	39⅝	14	24 -16d Sinkers	3815	3815	3500	3815	3815	3500

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

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 removal from Production Scheduling.

PERMIT PLANS

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

- ☐ 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 REVIEW.

Signature | Date

NEW ENGLAND HOMES INDEPENDENT BUILDERS DULY AUTHORIZED AGENT PER CONTRACT AGREEMENT

New England Homes
277 Locust Street, Suite B
Dover, NH 03820
www.newenglandhomes.net
(telephone)800.800.8831
(fax)603.431.8540

CMH, INC

Structure Dwg: COLONIAL

N.T.S.

SECTION DETAILS

Drawn: JMB 9/8/17

Revisions
9/24/17 RTA
4/3/17 RTA
4/4/17 RTA
8/8/17 RTA
5/31/17 RTA
7/25/17 RTA

Builder:
Scale:

11256

Revision: 1

Sheet: A-405