























































CLAD ULTIMATE DOUBLE HUNG - NEXT GENERATION























































MO (mm)	1-9 3/4 (552)	2-13/4 (654)	2-5 3/4 (756)	2-7 3/4 (806)	2-9 3/4 (857)	2-11 3/4 (908)
RO (mm)	1-10 1/4 (565)	2-2 1/4 (667)	2-6 1/4 (768)	2-8 1/4 (819)	2-10 1/4 (870)	3-0 1/4 (921)
FS (mm)	1-9 1/4 (540)	2-1 1/4 (641)	2-5 1/4 (743)	2-7 1/4 (794)	2-9 1/4 (845)	2-11 1/4 (895)
DLO (mm)	14 47/64 (347)	18 47/64 (476)	22 47/64 (577)	24 47/64 (628)	26 47/64 (679)	28 47/64 (730)
2-7 3/4 (806) 2-8 (813) 2-7 1/2 (800) 10 3/4 (273)	 CUDH-NG1612	 CUDH-NG2012	 CUDH-NG2412	 CUDH-NG2612	 CUDH-NG2812	 CUDH-NG3012
2-11 3/4 (908) 3-0 (914) 2-11 1/2 (902) 12 3/4 (324)	 CUDH-NG1614	 CUDH-NG2014	 CUDH-NG2414	 CUDH-NG2614	 CUDH-NG2814	 CUDH-NG3014
3-3 3/4 (1010) 3-4 (1016) 3-3 1/2 (1003) 14 3/4 (375)	 CUDH-NG1616	 CUDH-NG2016	 CUDH-NG2416	 CUDH-NG2616	 CUDH-NG2816	 CUDH-NG3016
3-7 3/4 (1111) 3-8 (1118) 3-7 1/2 (1105) 16 3/4 (425)	 CUDH-NG1618	 CUDH-NG2018	 CUDH-NG2418	 CUDH-NG2618	 CUDH-NG2818	 CUDH-NG3018
3-11 3/4 (1213) 4-0 (1219) 3-11 1/2 (1207) 18 3/4 (476)	 CUDH-NG1620	 CUDH-NG2020	 CUDH-NG2420	 CUDH-NG2620	 CUDH-NG2820	 CUDH-NG3020
4-3 3/4 (1314) 4-4 (1321) 4-3 1/2 (1308) 20 3/4 (527)	 CUDH-NG1622	 CUDH-NG2022	 CUDH-NG2422	 CUDH-NG2622	 CUDH-NG2822	 CUDH-NG3022
4-7 3/4 (1416) 4-8 (1422) 4-7 1/2 (1410) 22 3/4 (578)	 CUDH-NG1624	 CUDH-NG2024	 CUDH-NG2424	 CUDH-NG2624	 CUDH-NG2824	 CUDH-NG3024
4-11 3/4 (1518) 5-0 (1524) 4-11 1/2 (1511) 24 3/4 (629)	 CUDH-NG1626	 CUDH-NG2026	 CUDH-NG2426	 CUDH-NG2626	 CUDH-NG2826	 CUDH-NG3026
5-3 3/4 (1619) 5-4 (1626) 5-3 1/2 (1613) 26 3/4 (679)	 CUDH-NG1628	 CUDH-NG2028	 CUDH-NG2428	 CUDH-NG2628	 CUDH-NG2828	 CUDH-NG3028 E

MULTIPLE ASSEMBLY CONVERSIONS

ROUGH OPENING		MASONRY OPENING WITHOUT BMC	
Width	Height	Width	Height
Add all frame sizes plus 1" (25)	Add frame sizes plus 1/2" (13)	Add all frame sizes plus 1/2" (13)	Add frame sizes plus 1/4" (6)

Clad Ultimate Double Hung - Next Generation: **CUDH-NG**

CLAD ULTIMATE DOUBLE HUNG - NEXT GENERATION

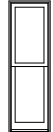





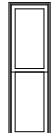




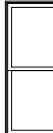
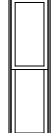











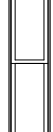





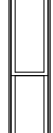





MO (mm)	3-13/4 (959)	3-5 3/4 (1060)	3-9 3/4 (1162)	4-1 3/4 (1264)	4-5 3/4 (1365)	4-11 3/4 (1518)
RO (mm)	3-2 1/4 (972)	3-6 1/4 (1073)	3-10 1/4 (1175)	4-2 1/4 (1276)	4-6 1/4 (1378)	5-0 1/4 (1530)
FS (mm)	3-11/4 (946)	3-5 1/4 (1048)	3-9 1/4 (1149)	4-1 1/4 (1251)	4-5 1/4 (1353)	4-11 1/4 (1505)
DLO (mm)	30 47/64 (781)	34 47/64 (882)	38 47/64 (984)	42 47/64 (1085)	46 47/64 (984)	52 47/64 (984)
2-7 3/4 (806) 2-8 (813) 2-7 1/2 (800) 10 3/4 (273)	 CUDH-NG3212	 CUDH-NG3612	 CUDH-NG4012	 CUDH-NG 4412	 CUDH-NG 4812	 CUDH-NG 5412
2-11 3/4 (908) 3-0 (914) 2-11 1/2 (902) 12 3/4 (324)	 CUDH-NG3214	 CUDH-NG3614	 CUDH-NG4014	 CUDH-NG 4414	 CUDH-NG 4814	 CUDH-NG 5414
3-3 3/4 (1010) 3-4 (1016) 3-3 1/2 (1003) 14 3/4 (375)	 CUDH-NG3216	 CUDH-NG3616	 CUDH-NG4016	 CUDH-NG 4416	 CUDH-NG 4816	 CUDH-NG 5416
3-7 3/4 (1111) 3-8 (1118) 3-7 1/2 (1105) 16 3/4 (425)	 CUDH-NG3218	 CUDH-NG3618	 CUDH-NG4018	 CUDH-NG 4418	 CUDH-NG 4818	 CUDH-NG 5418
3-11 3/4 (1213) 4-0 (1219) 3-11 1/2 (1207) 18 3/4 (476)	 CUDH-NG3220	 CUDH-NG3620	 CUDH-NG4020	 CUDH-NG 4420	 CUDH-NG 4820	 CUDH-NG 5420
4-3 3/4 (1314) 4-4 (1321) 4-3 1/2 (1308) 20 3/4 (527)	 CUDH-NG3222	 CUDH-NG3622	 CUDH-NG4022	 CUDH-NG 4422	 CUDH-NG 4822	 CUDH-NG 5422
4-7 3/4 (1416) 4-8 (1422) 4-7 1/2 (1410) 22 3/4 (578)	 CUDH-NG3224	 CUDH-NG3624	 CUDH-NG4024	 CUDH-NG 4424	 CUDH-NG 4824	 CUDH-NG 5424
4-11 3/4 (1518) 5-0 (1524) 4-11 1/2 (1511) 24 3/4 (629)	 CUDH-NG3226 E	 CUDH-NG3626 E	 CUDH-NG4026 E	 CUDH-NG 4426 E	 CUDH-NG 4826 E	 CUDH-NG 5426 E
5-3 3/4 (1619) 5-4 (1626) 5-3 1/2 (1613) 26 3/4 (679)	 CUDH-NG3228 E	 CUDH-NG3628 E	 CUDH-NG4028 E	 CUDH-NG 4428 E	 CUDH-NG 4828 E	 CUDH-NG 5428 E

NOTES:

E These windows meet national egress codes for fire evacuation. Local codes may differ.





































CLAD ULTIMATE DOUBLE HUNG - NEXT GENERATION

MO (mm)	1-9 3/4 (552)	2-1 3/4 (654)	2-5 3/4 (756)	2-7 3/4 (806)	2-9 3/4 (857)	2-11 3/4 (908)
RO (mm)	1-10 1/4 (565)	2-2 1/4 (667)	2-6 1/4 (768)	2-8 1/4 (819)	2-10 1/4 (870)	3-0 1/4 (921)
FS (mm)	1-9 1/4 (540)	2-1 1/4 (641)	2-5 1/4 (743)	2-7 1/4 (794)	2-9 1/4 (845)	2-11 1/4 (895)
DLO (mm)	14 47/64 (347)	18 47/64 (476)	22 47/64 (577)	24 47/64 (628)	26 47/64 (679)	28 47/64 (730)

5-7 3/4 (1721) 5-8 (1727) 5-7 1/2 (1715) 28 3/4 (730)						
	CUDH-NG1630	CUDH-NG2030	CUDH-NG2430	CUDH-NG2630	CUDH-NG2830 E	CUDH-NG3030 E
5-11 3/4 (1822) 6-0 (1829) 5-11 1/2 (1816) 30 3/4 (781)						
	CUDH-NG1632	CUDH-NG2032	CUDH-NG2432	CUDH-NG2632 E	CUDH-NG2832 E	CUDH-NG3032 E
6-3 3/4 (1924) 6-4 (1930) 6-3 1/2 (1918) 32 3/4 (832)						
	CUDH-NG1634	CUDH-NG2034	CUDH-NG2434 E	CUDH-NG2634 E	CUDH-NG2834 E	CUDH-NG3034 E
6-7 3/4 (2026) 6-8 (2032) 6-7 1/2 (2019) 34 3/4 (883)						
	CUDH-NG1636	CUDH-NG2036	CUDH-NG2436 E	CUDH-NG2636 E	CUDH-NG2836 E	CUDH-NG3036 E
7-3 3/4 (2229) 7-4 (2235) 7-3 1/2 (2223) 38 3/4 (984)						
	CUDH-NG1640	CUDH-NG2040	CUDH-NG2440 E	CUDH-NG2640 E	CUDH-NG2840 E	CUDH-NG3040 E
7-7 3/4 (2330) 7-8 (2337) 7-7 1/2 (2324) 40 3/4 (1035)						
	CUDH-NG1642	CUDH-NG2042	CUDH-NG2442 E	CUDH-NG2642 E	CUDH-NG2842 E	CUDH-NG3042 E

CLAD ULTIMATE DOUBLE HUNG - NEXT GENERATION

MO (mm)	3-1 3/4 (959)	3-5 3/4 (1060)	3-9 3/4 (1162)	4-1 3/4 (1264)	4-5 3/4 (1365)	4-11 3/4 (1518)
RO (mm)	3-2 1/4 (972)	3-6 1/4 (1073)	3-10 1/4 (1175)	4-2 1/4 (1276)	4-6 1/4 (1378)	5-0 1/4 (1530)
FS (mm)	3-1 1/4 (946)	3-5 1/4 (1048)	3-9 1/4 (1149)	4-1 1/4 (1251)	4-5 1/4 (1353)	4-11 1/4 (1505)
DLO (mm)	30 47/64 (781)	34 47/64 (882)	38 47/64 (984)	42 47/64 (1085)	46 47/64 (984)	52 47/64 (984)

5-7 3/4 (1721) 5-8 (1727) 5-7 1/2 (1715) 28 3/4 (730)						
	CUDH-NG3230 E	CUDH-NG3630 E	CUDH-NG4030 E	CUDH-NG 4430 E	CUDH-NG 4830 E	CUDH-NG 5430 E
5-11 3/4 (1822) 6-0 (1829) 5-11 1/2 (1816) 30 3/4 (781)						
	CUDH-NG3232 E	CUDH-NG3632 E	CUDH-NG4032 E	CUDH-NG 4432 E	CUDH-NG 4832 E	CUDH-NG 5432 E
6-3 3/4 (1924) 6-4 (1930) 6-3 1/2 (1918) 32 3/4 (832)						
	CUDH-NG3234 E	CUDH-NG3634 E	CUDH-NG4034 E	CUDH-NG 4434 E	CUDH-NG 4834 E	CUDH-NG 5434 E
6-7 3/4 (2026) 6-8 (2032) 6-7 1/2 (2019) 34 3/4 (883)						
	CUDH-NG3236 E	CUDH-NG3636 E	CUDH-NG4036 E	CUDH-NG 4436 E	CUDH-NG 4836 E	CUDH-NG 5436 E
7-3 3/4 (2229) 7-4 (2235) 7-3 1/2 (2223) 38 3/4 (984)						
	CUDH-NG 3240 E	CUDH-NG 3640 E	CUDH-NG 4040 E	CUDH-NG 4440 E	CUDH-NG 4840 E	CUDH-NG 5440 E
7-7 3/4 (2330) 7-8 (2337) 7-7 1/2 (2324) 40 3/4 (1035)						
	CUDH-NG 3242 E	CUDH-NG 3642 E	CUDH-NG 4042 E	CUDH-NG 4442 E	CUDH-NG 4842 E	CUDH-NG 5442 E

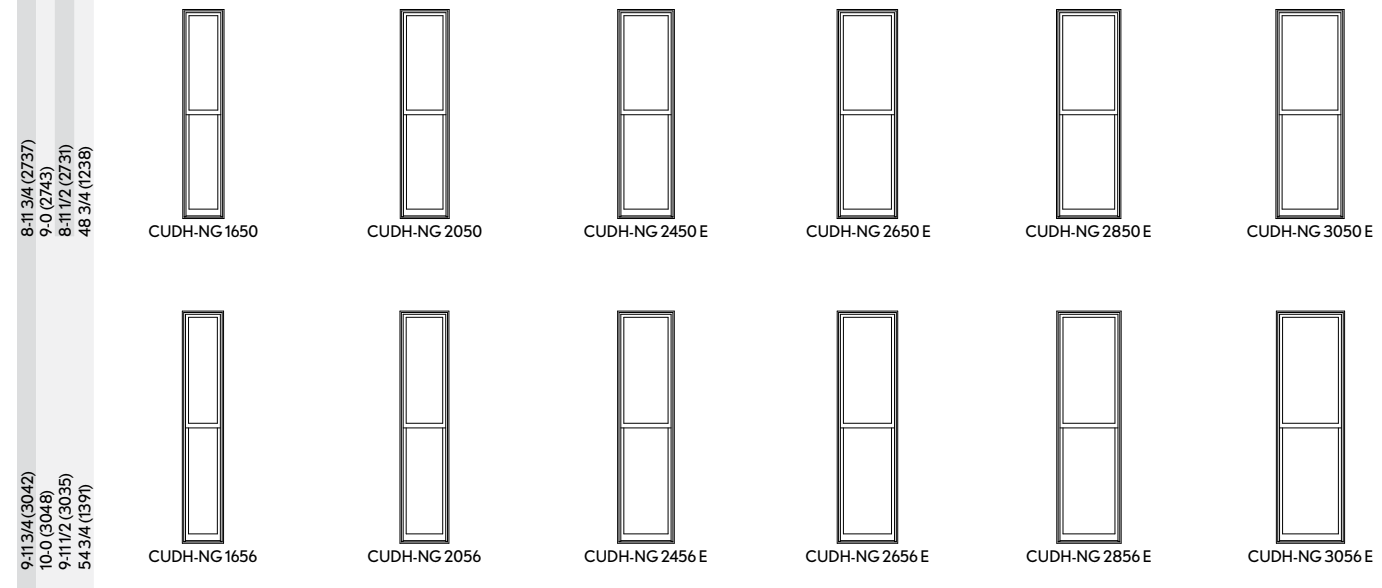
NOTES:

E These windows meet national egress codes for fire evacuation. Local codes may differ.

Clad Ultimate Double Hung - Next Generation: **CUDH-NG**

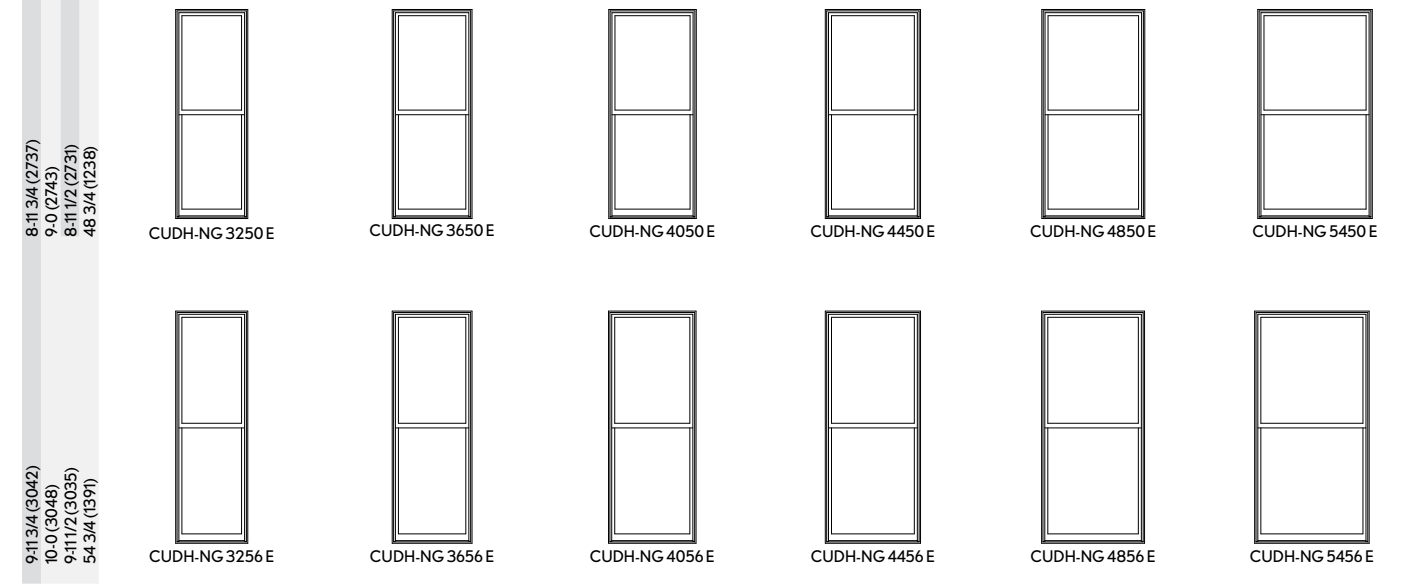
CLAD ULTIMATE DOUBLE HUNG - NEXT GENERATION

MO (mm)	1-9 3/4 (552)	2-1 3/4 (654)	2-5 3/4 (756)	2-7 3/4 (806)	2-9 3/4 (857)	2-11 3/4 (908)
RO (mm)	1-10 1/4 (565)	2-2 1/4 (667)	2-6 1/4 (768)	2-8 1/4 (819)	2-10 1/4 (870)	3-0 1/4 (921)
FS (mm)	1-9 1/4 (540)	2-1 1/4 (641)	2-5 1/4 (743)	2-7 1/4 (794)	2-9 1/4 (845)	2-11 1/4 (895)
DLO (mm)	14 47/64 (347)	18 47/64 (476)	22 47/64 (577)	24 47/64 (628)	26 47/64 (679)	28 47/64 (730)



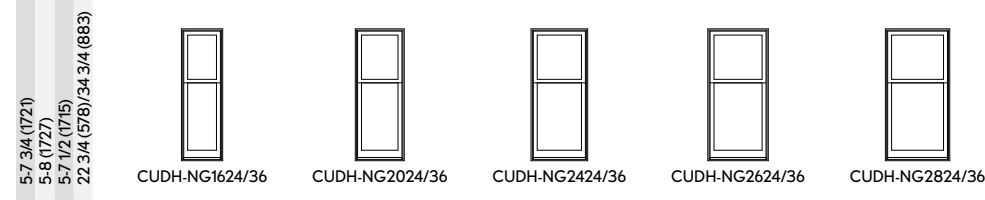
CLAD ULTIMATE DOUBLE HUNG - NEXT GENERATION

MO (mm)	3-1 3/4 (959)	3-5 3/4 (1060)	3-9 3/4 (1162)	4-1 3/4 (1264)	4-5 3/4 (1365)	4-11 3/4 (1518)
RO (mm)	3-2 1/4 (972)	3-6 1/4 (1073)	3-10 1/4 (1175)	4-2 1/4 (1276)	4-6 1/4 (1378)	5-0 1/4 (1530)
FS (mm)	3-1 1/4 (946)	3-5 1/4 (1048)	3-9 1/4 (1149)	4-1 1/4 (1251)	4-5 1/4 (1353)	4-11 1/4 (1505)
DLO (mm)	30 47/64 (781)	34 47/64 (882)	38 47/64 (984)	42 47/64 (1085)	46 47/64 (984)	52 47/64 (984)



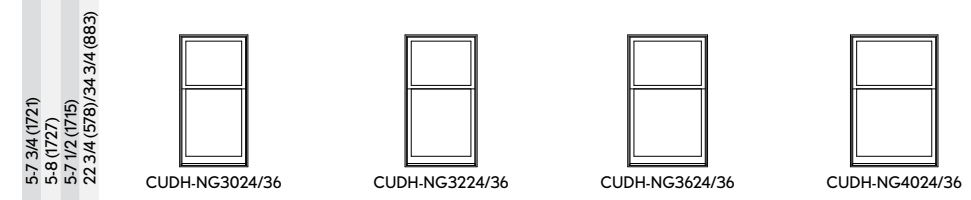
COTTAGE STYLE*

MO (mm)	1-9 3/4 (552)	2-1 3/4 (654)	2-5 3/4 (756)	2-7 3/4 (806)	2-9 3/4 (857)
RO (mm)	1-10 1/4 (565)	2-2 1/4 (667)	2-6 1/4 (768)	2-8 1/4 (819)	2-10 1/4 (870)
FS (mm)	1-9 1/4 (540)	2-1 1/4 (641)	2-5 1/4 (743)	2-7 1/4 (794)	2-9 1/4 (845)
DLO (mm)	14 47/64 (347)	18 47/64 (476)	22 47/64 (577)	24 47/64 (628)	26 47/64 (679)



COTTAGE STYLE*

MO (mm)	2-11 3/4 (908)	3-1 3/4 (959)	3-5 3/4 (1060)	3-9 3/4 (1162)
RO (mm)	3-0 1/4 (921)	3-2 1/4 (972)	3-6 1/4 (1073)	3-10 1/4 (1175)
FS (mm)	2-11 1/4 (895)	3-1 1/4 (946)	3-5 1/4 (1048)	3-9 1/4 (1149)
DLO (mm)	28 47/64 (730)	30 47/64 (781)	34 47/64 (882)	38 47/64 (984)



COTTAGE: FORMULA

1. Select the standard size double hung that will fit the rough opening
2. Subtract 7 1/2" (191) from the frame size height to get total glass height
3. Multiply the total glass height by the desired top sash ratio, this is the top sash glass height
4. Subtract the top sash height from the total glass height, this is the bottom sash glass height

EXAMPLE:

1. CUDH-NG with a 0.400 top sash ration (2/5 - 3/5) cottage style. If the rough opening is 2'-2 1/4" x 4' (RO for a CUDH 2020) the frame size will be 25 1/4" x 47 1/2"
2. 47 1/2" - 7 1/2" = 40"
3. 40" multiplied by 0.400 (2/5) = 16"
4. 40" - 16" = 24"
5. The top sash will be a 2016 and the bottom sash will be a 2024. The call number for the example is: CUDH-NG 2016-24

NOTES:

- E These windows meet national egress codes for fire evacuation. Local codes may differ.
 * For more Cottage Style sizes than the sample shown, please contact your Marvin® representative.