



MINN. C.A. 4-67 CIV. 139

PLAINTIFF'S TRIAL
EXHIBIT
No. 2289

002398

MOORE SCHOOL OF ELECTRICAL ENGINEERING UNIVERSITY OF PENNSYLVANIA		HOUSING FELT SPECIFICATIONS	
MATERIAL FELT		FINISH	
Drawn by: C.J.M.		Checked by: [Signature]	
Aug. 3, 1944		Approved by: [Signature]	
		FULL SIZE PX-3-225	

DIMENSIONS OR FINISH SPECIFICATIONS		DIMENSIONS OR FINISH SPECIFICATIONS	
OR UNLESS OTHERWISE SPECIFIED		OR UNLESS OTHERWISE SPECIFIED	
BASIC DIMENSIONS	FRACTIONAL DIMENSIONS	DECIMAL DIMENSIONS	TOLERANCES
UP TO 1"	1/16"	0.001"	± 0.002
ABOVE 1 TO 2"	1/32"	0.002"	± 0.003
ABOVE 2 TO 3"	1/16"	0.003"	± 0.004
ABOVE 3 TO 4"	1/8"	0.004"	± 0.005
ABOVE 4 TO 6"	3/16"	0.005"	± 0.006
ABOVE 6 TO 8"	1/4"	0.006"	± 0.007
ABOVE 8 TO 12"	3/8"	0.007"	± 0.008
ABOVE 12 TO 18"	1/2"	0.008"	± 0.009
ABOVE 18 TO 24"	5/8"	0.009"	± 0.010
ABOVE 24 TO 30"	3/4"	0.010"	± 0.011
ABOVE 30 TO 48"	7/8"	0.011"	± 0.012
ABOVE 48 TO 72"	1"	0.012"	± 0.013
ABOVE 72 TO 96"	1 1/8"	0.013"	± 0.014
ABOVE 96 TO 120"	1 1/4"	0.014"	± 0.015
ABOVE 120 TO 144"	1 3/8"	0.015"	± 0.016
ABOVE 144 TO 192"	1 7/8"	0.016"	± 0.017
ABOVE 192 TO 240"	2"	0.017"	± 0.018
ABOVE 240 TO 300"	2 1/8"	0.018"	± 0.019
ABOVE 300 TO 360"	2 3/8"	0.019"	± 0.020
ABOVE 360 TO 432"	2 7/8"	0.020"	± 0.021
ABOVE 432 TO 480"	3"	0.021"	± 0.022
ABOVE 480 TO 576"	3 1/8"	0.022"	± 0.023
ABOVE 576 TO 672"	3 3/8"	0.023"	± 0.024
ABOVE 672 TO 768"	3 7/8"	0.024"	± 0.025
ABOVE 768 TO 864"	4"	0.025"	± 0.026
ABOVE 864 TO 960"	4 1/8"	0.026"	± 0.027
ABOVE 960 TO 1080"	4 3/8"	0.027"	± 0.028
ABOVE 1080 TO 1200"	4 7/8"	0.028"	± 0.029
ABOVE 1200 TO 1440"	5"	0.029"	± 0.030
ABOVE 1440 TO 1728"	5 1/8"	0.030"	± 0.031
ABOVE 1728 TO 2016"	5 3/8"	0.031"	± 0.032
ABOVE 2016 TO 2304"	5 7/8"	0.032"	± 0.033
ABOVE 2304 TO 2688"	6"	0.033"	± 0.034
ABOVE 2688 TO 3072"	6 1/8"	0.034"	± 0.035
ABOVE 3072 TO 3456"	6 3/8"	0.035"	± 0.036
ABOVE 3456 TO 3840"	6 7/8"	0.036"	± 0.037
ABOVE 3840 TO 4224"	7"	0.037"	± 0.038
ABOVE 4224 TO 4608"	7 1/8"	0.038"	± 0.039
ABOVE 4608 TO 4992"	7 3/8"	0.039"	± 0.040
ABOVE 4992 TO 5376"	7 7/8"	0.040"	± 0.041
ABOVE 5376 TO 5760"	8"	0.041"	± 0.042
ABOVE 5760 TO 6144"	8 1/8"	0.042"	± 0.043
ABOVE 6144 TO 6528"	8 3/8"	0.043"	± 0.044
ABOVE 6528 TO 6912"	8 7/8"	0.044"	± 0.045
ABOVE 6912 TO 7296"	9"	0.045"	± 0.046
ABOVE 7296 TO 7680"	9 1/8"	0.046"	± 0.047
ABOVE 7680 TO 8064"	9 3/8"	0.047"	± 0.048
ABOVE 8064 TO 8448"	9 7/8"	0.048"	± 0.049
ABOVE 8448 TO 8832"	10"	0.049"	± 0.050
ABOVE 8832 TO 9216"	10 1/8"	0.050"	± 0.051
ABOVE 9216 TO 9600"	10 3/8"	0.051"	± 0.052
ABOVE 9600 TO 9984"	10 7/8"	0.052"	± 0.053
ABOVE 9984 TO 10368"	11"	0.053"	± 0.054
ABOVE 10368 TO 10752"	11 1/8"	0.054"	± 0.055
ABOVE 10752 TO 11136"	11 3/8"	0.055"	± 0.056
ABOVE 11136 TO 11520"	11 7/8"	0.056"	± 0.057
ABOVE 11520 TO 11904"	12"	0.057"	± 0.058
ABOVE 11904 TO 12288"	12 1/8"	0.058"	± 0.059
ABOVE 12288 TO 12672"	12 3/8"	0.059"	± 0.060
ABOVE 12672 TO 13056"	12 7/8"	0.060"	± 0.061
ABOVE 13056 TO 13440"	13"	0.061"	± 0.062
ABOVE 13440 TO 13824"	13 1/8"	0.062"	± 0.063
ABOVE 13824 TO 14208"	13 3/8"	0.063"	± 0.064
ABOVE 14208 TO 14592"	13 7/8"	0.064"	± 0.065
ABOVE 14592 TO 14976"	14"	0.065"	± 0.066
ABOVE 14976 TO 15360"	14 1/8"	0.066"	± 0.067
ABOVE 15360 TO 15744"	14 3/8"	0.067"	± 0.068
ABOVE 15744 TO 16128"	14 7/8"	0.068"	± 0.069
ABOVE 16128 TO 16512"	15"	0.069"	± 0.070
ABOVE 16512 TO 16896"	15 1/8"	0.070"	± 0.071
ABOVE 16896 TO 17280"	15 3/8"	0.071"	± 0.072
ABOVE 17280 TO 17664"	15 7/8"	0.072"	± 0.073
ABOVE 17664 TO 18048"	16"	0.073"	± 0.074
ABOVE 18048 TO 18432"	16 1/8"	0.074"	± 0.075
ABOVE 18432 TO 18816"	16 3/8"	0.075"	± 0.076
ABOVE 18816 TO 19200"	16 7/8"	0.076"	± 0.077
ABOVE 19200 TO 19584"	17"	0.077"	± 0.078
ABOVE 19584 TO 19968"	17 1/8"	0.078"	± 0.079
ABOVE 19968 TO 20352"	17 3/8"	0.079"	± 0.080
ABOVE 20352 TO 20736"	17 7/8"	0.080"	± 0.081
ABOVE 20736 TO 21120"	18"	0.081"	± 0.082
ABOVE 21120 TO 21504"	18 1/8"	0.082"	± 0.083
ABOVE 21504 TO 21888"	18 3/8"	0.083"	± 0.084
ABOVE 21888 TO 22272"	18 7/8"	0.084"	± 0.085
ABOVE 22272 TO 22656"	19"	0.085"	± 0.086
ABOVE 22656 TO 23040"	19 1/8"	0.086"	± 0.087
ABOVE 23040 TO 23424"	19 3/8"	0.087"	± 0.088
ABOVE 23424 TO 23808"	19 7/8"	0.088"	± 0.089
ABOVE 23808 TO 24192"	20"	0.089"	± 0.090
ABOVE 24192 TO 24576"	20 1/8"	0.090"	± 0.091
ABOVE 24576 TO 24960"	20 3/8"	0.091"	± 0.092
ABOVE 24960 TO 25344"	20 7/8"	0.092"	± 0.093
ABOVE 25344 TO 25728"	21"	0.093"	± 0.094
ABOVE 25728 TO 26112"	21 1/8"	0.094"	± 0.095
ABOVE 26112 TO 26496"	21 3/8"	0.095"	± 0.096
ABOVE 26496 TO 26880"	21 7/8"	0.096"	± 0.097
ABOVE 26880 TO 27264"	22"	0.097"	± 0.098
ABOVE 27264 TO 27648"	22 1/8"	0.098"	± 0.099
ABOVE 27648 TO 28032"	22 3/8"	0.099"	± 0.100
ABOVE 28032 TO 28416"	22 7/8"	0.100"	± 0.101
ABOVE 28416 TO 28800"	23"	0.101"	± 0.102
ABOVE 28800 TO 29184"	23 1/8"	0.102"	± 0.103
ABOVE 29184 TO 29568"	23 3/8"	0.103"	± 0.104
ABOVE 29568 TO 29952"	23 7/8"	0.104"	± 0.105
ABOVE 29952 TO 30336"	24"	0.105"	± 0.106
ABOVE 30336 TO 30720"	24 1/8"	0.106"	± 0.107
ABOVE 30720 TO 31104"	24 3/8"	0.107"	± 0.108
ABOVE 31104 TO 31488"	24 7/8"	0.108"	± 0.109
ABOVE 31488 TO 31872"	25"	0.109"	± 0.110
ABOVE 31872 TO 32256"	25 1/8"	0.110"	± 0.111
ABOVE 32256 TO 32640"	25 3/8"	0.111"	± 0.112
ABOVE 32640 TO 33024"	25 7/8"	0.112"	± 0.113
ABOVE 33024 TO 33408"	26"	0.113"	± 0.114
ABOVE 33408 TO 33792"	26 1/8"	0.114"	± 0.115
ABOVE 33792 TO 34176"	26 3/8"	0.115"	± 0.116
ABOVE 34176 TO 34560"	26 7/8"	0.116"	± 0.117
ABOVE 34560 TO 34944"	27"	0.117"	± 0.118
ABOVE 34944 TO 35328"	27 1/8"	0.118"	± 0.119
ABOVE 35328 TO 35712"	27 3/8"	0.119"	± 0.120
ABOVE 35712 TO 36096"	27 7/8"	0.120"	± 0.121
ABOVE 36096 TO 36480"	28"	0.121"	± 0.122
ABOVE 36480 TO 36864"	28 1/8"	0.122"	± 0.123
ABOVE 36864 TO 37248"	28 3/8"	0.123"	± 0.124
ABOVE 37248 TO 37632"	28 7/8"	0.124"	± 0.125
ABOVE 37632 TO 38016"	29"	0.125"	± 0.126
ABOVE 38016 TO 38400"	29 1/8"	0.126"	± 0.127
ABOVE 38400 TO 38784"	29 3/8"	0.127"	± 0.128
ABOVE 38784 TO 39168"	29 7/8"	0.128"	± 0.129
ABOVE 39168 TO 39552"	30"	0.129"	± 0.130
ABOVE 39552 TO 39936"	30 1/8"	0.130"	± 0.131
ABOVE 39936 TO 40320"	30 3/8"	0.131"	± 0.132
ABOVE 40320 TO 40704"	30 7/8"	0.132"	± 0.133
ABOVE 40704 TO 41088"	31"	0.133"	± 0.134
ABOVE 41088 TO 41472"	31 1/8"	0.134"	± 0.135
ABOVE 41472 TO 41856"	31 3/8"	0.135"	± 0.136
ABOVE 41856 TO 42240"	31 7/8"	0.136"	± 0.137
ABOVE 42240 TO 42624"	32"	0.137"	± 0.138
ABOVE 42624 TO 43008"	32 1/8"	0.138"	± 0.139
ABOVE 43008 TO 43392"	32 3/8"	0.139"	± 0.140
ABOVE 43392 TO 43776"	32 7/8"	0.140"	± 0.141
ABOVE 43776 TO 44160"	33"	0.141"	± 0.142
ABOVE 44160 TO 44544"	33 1/8"	0.142"	± 0.143
ABOVE 44544 TO 44928"	33 3/8"	0.143"	± 0.144
ABOVE 44928 TO 45312"	33 7/8"	0.144"	± 0.145
ABOVE 45312 TO 45696"	34"	0.145"	± 0.146
ABOVE 45696 TO 46080"	34 1/8"	0.146"	± 0.147
ABOVE 46080 TO 46464"	34 3/8"	0.147"	± 0.148
ABOVE 46464 TO 46848"	34 7/8"	0.148"	± 0.149
ABOVE 46848 TO 47232"	35"	0.149"	± 0.150
ABOVE 47232 TO 47616"	35 1/8"	0.150"	± 0.151
ABOVE 47616 TO 48000"	35 3/8"	0.151"	± 0.152
ABOVE 48000 TO 48384"	35 7/8"	0.152"	± 0.153
ABOVE 48384 TO 48768"	36"	0.153"	± 0.154
ABOVE 48768 TO 49152"	36 1/8"	0.154"	± 0.155
ABOVE 49152 TO 49536"	36 3/8"	0.155"	± 0.156
ABOVE 49536 TO 49920"	36 7/8"	0.156"	± 0.157
ABOVE 49920 TO 50304"	37"	0.157"	± 0.158
ABOVE 50304 TO 50688"	37 1/8"	0.158"	± 0.159
ABOVE 50688 TO 51072"	37 3/8"	0.159"	± 0.160
ABOVE 51072 TO 51456"	37 7/8"	0.160"	± 0.161
ABOVE 51456 TO 51840"	38"	0.161"	± 0.162
ABOVE 51840 TO 52224"	38 1/8"	0.162"	± 0.163
ABOVE 52224 TO 52608"	38 3/8"	0.163"	± 0.164
ABOVE 52608 TO 52992"	38 7/8"	0.164"	± 0.165
ABOVE 52992 TO 53376"	39"	0.165"	± 0.166
ABOVE 53376 TO 53760"	39 1/8"	0.166"	± 0.167
ABOVE 53760 TO 54144"	39 3/8"	0.167"	± 0.168
ABOVE 54144 TO 54528"	39 7/8"	0.168"	± 0.169
ABOVE 54528 TO 54912"	40"	0.169"	± 0.170
ABOVE 54912 TO 55296"	40 1/8"	0.170"	± 0.171
ABOVE 55296 TO 55680"	40 3/8"	0.171"	± 0.172
ABOVE 55680 TO 56064"	40 7/8"	0.172"	± 0.173
ABOVE 56064 TO 56448"	41"	0.173"	± 0.174
ABOVE 56448 TO 56832"	41 1/8"	0.174"	± 0.175
ABOVE 56832 TO 57216"	41 3/8"	0.175"	± 0.176
ABOVE 57216 TO 57600"	41 7/8"	0.176"	± 0.177
ABOVE 57600 TO 57984"	42"	0.177"	± 0.178
ABOVE 57984 TO 58368"	42 1/8"	0.178"	± 0.179
ABOVE 58368 TO 58752"	42 3/8"	0.179"	± 0.180
ABOVE 58752 TO 59136"	42 7/8"	0.180"	± 0.181</