WALL CABINET INSTALLED WITH #8 x 2" DECK SCREWS TOP AND BOTTOM RAILS (1x2) SPACE AS REQUIRED
ALLOWABLE WITHDRAWAL LOAD PER SCREW = 35 LBS
ALLOWABLE SHEAR LOAD PER SCREW = 35 LBS

EXAMPLE OF DESIGN CHECK:

D = 18"
H = 24"

4 - #8 X 2" SCREWS TOP AND BOTTOM RAILS (TOTAL 8)
ALLOWABLE WITHDRAWAL LOAD PER SCREW = 35 LBS
ALLOWABLE SHEAR LOAD PER SCREW UNDER COMBINED SHEAR AND WITHDRAWAL = 35 LBS
MAXIMUM WEIGHT = 250 LBS @ 1/2 DEPTH
SHEAR LOAD OF EACH SCREW
= 250 / 8 = 31 LBS, OK
WITHDRAWAL LOAD OF EACH SCREW
= (250 * 9 / 24) / 4 = 24 LBS, OK