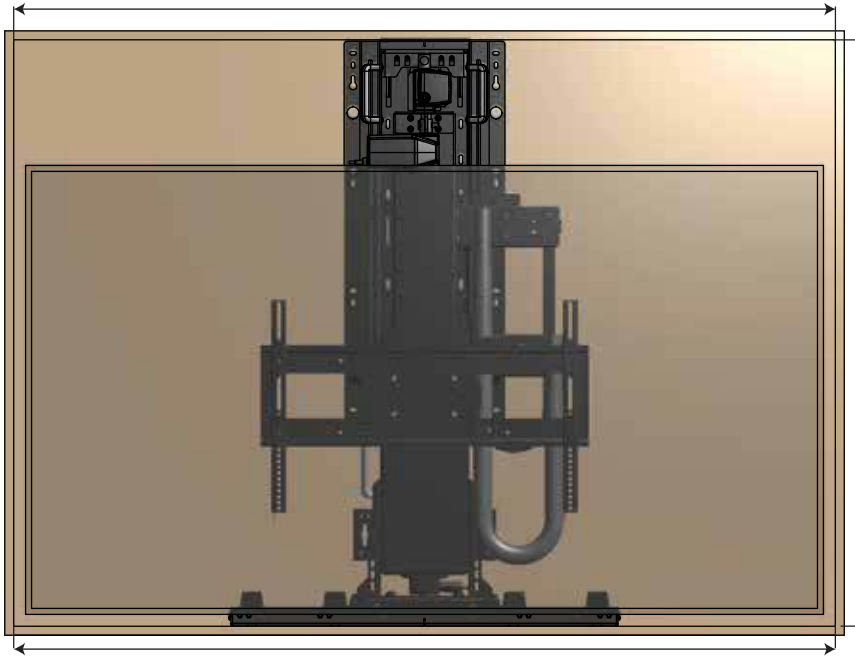
MODEL L-77i DIAGRAM

PRIMARY ENCLOSURE DIMENSIONS

SPECIFICATIONS
MAX WEIGHT CAPACITY :150 lbs [68 kg]
COMBINED WEIGHT OF THE TV, ALL ACCESSORIES, & CEILING COVER
MAX TRAVEL [EXTENSION] : 52 in [132.1 cm]
LIFT SYSTEM HEIGHT : 49 in [124.5 cm] TO 55.5 in [141 cm]
MAX TV HEIGHT : 51 in [129.5 cm] MINUS CEILING COVER THICKNESS

QUICK REFERENCE DIMENSION GUIDE (USE WHICHEVER IS GREATER)	
TV DIMENSIONS : W_____, H_____, D_____	
MIN. INTERIOR ENCLOSURE WIDTH MIN. CEILING COVER CUTOUT WIDTH	: W+2 in [5.1 cm] = _____ OR 35 in [88.9 cm]
MIN. INTERIOR ENCLOSURE HEIGHT : SEE CHART ON PAGE 2	
MIN. INTERIOR ENCLOSURE DEPTH MIN. CEILING COVER CUTOUT DEPTH	: D+9.75 in [24.8 cm] = _____

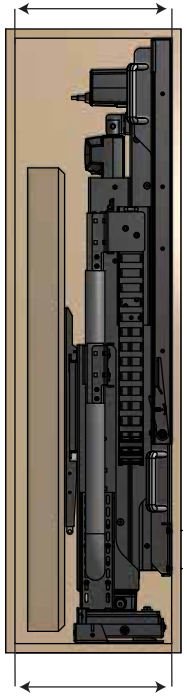
MIN. INTERIOR ENCLOSURE WIDTH = TV WIDTH + 2 in [5.1 cm] OR 35 in [88.9 cm]
WHICHEVER IS GREATER



SEE CHART ON PAGE 2

MIN. CEILING COVER CUTOUT WIDTH = TV WIDTH + 2 in [5.1 cm] OR 35 in [88.9 cm]
WHICHEVER IS GREATER

MIN. INTERIOR ENCLOSURE DEPTH =
TV DEPTH + 9.75 in [24.8 cm]



MIN. CEILING COVER CUTOUT DEPTH =
TV DEPTH + 9.75 in [24.8 cm]

NOTES:
1. THE ENCLOSURE BOX SHOWN IN THE DIAGRAM IS FOR REFERENCE ONLY AND IS NOT PROVIDED WITH THE LIFT SYSTEM
2. WHEN DETERMINING TV HEIGHT, ALWAYS USE MANUFACTURER SUPPLIED "TV WITHOUT STAND" HEIGHT
3. LIFT MECHANISM IS POWDER COATED BLACK STEEL, COLORS IN DIAGRAM ARE FOR CLARITY ONLY
4. FOR REFERENCE DIMENSIONS, SEE PAGE 2 OF THIS DIAGRAM
5. DESIGNED FOR CELING HEIGHT OF 8 TO 10 FEET [2.4 m to 3 m]
6. LIFT ENCLOSURE'S REAR PANEL SHOULD BE CONSTRUCTED TO WITHSTAND A LOAD OF 600 LBS [272.2 kg] OR MORE

NEXUS 21

COPYRIGHT 2023 - ALL RIGHTS RESERVED
UPDATED 4/3/26

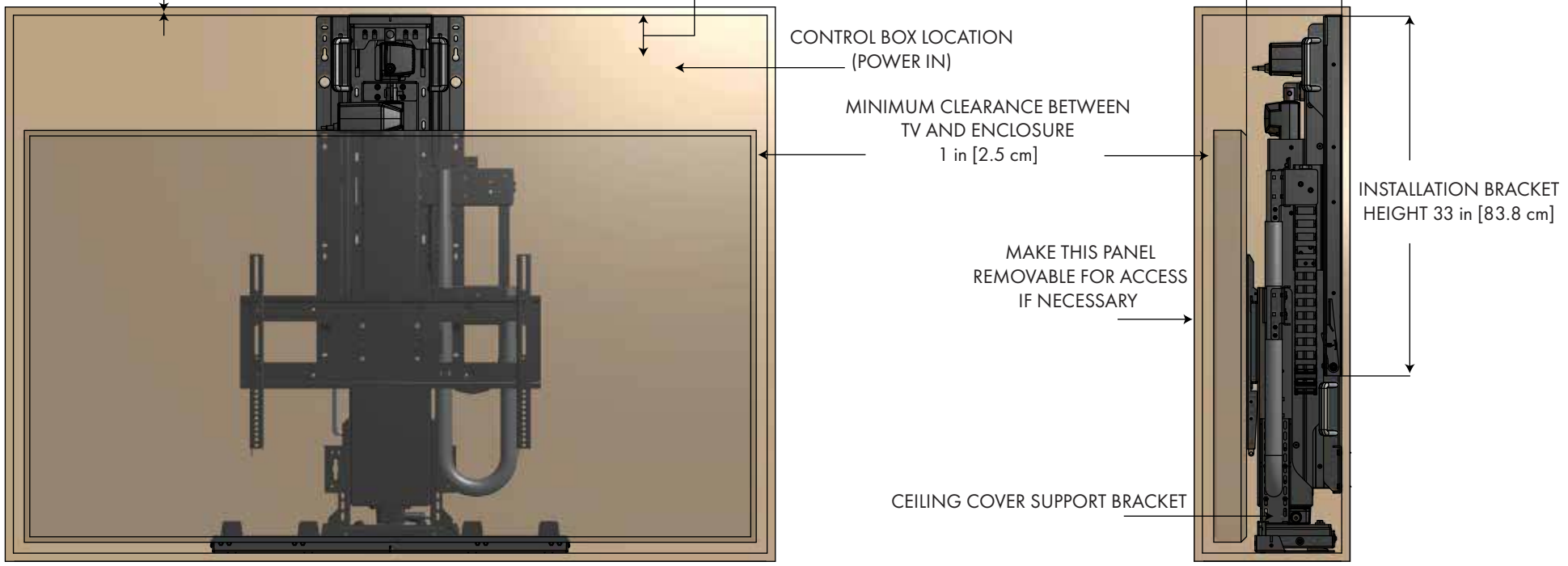
MODEL L-77i DIAGRAM

ENCLOSURE REFERENCE DIMENSIONS

BOTTOM VIEW

MINIMUM SEAM
=0.25 in [0.6 cm]

INTERIOR ENCLOSURE HEIGHT TABLE		
TV HEIGHT	MIN INTERIOR ENCLOSURE HEIGHT	MAX INTERIOR ENCLOSURE HEIGHT
47 in [119.4 cm] or less	49 in [124.5 cm]	55.5 in [141 cm]
More than 47 in [119.4 cm]	H + 2 in [5.1 cm]	



NOTES:
1. CEILING COVER SUPPORT BRACKETS ALLOW CEILING COVER TO SIT FLUSH WITH SURROUNDING CEILING MATERIAL
2. MAKE FRONT PANEL OF ENCLOSURE REMOVABLE FOR ACCESS IF NECESSARY
3. DUE TO CABLE LENGTH, THE CONTROL BOX (POWER IN) CAN ONLY BE MOUNTED ON THE RIGHT SIDE OF THE ENCLOSURE

NEXUS 21

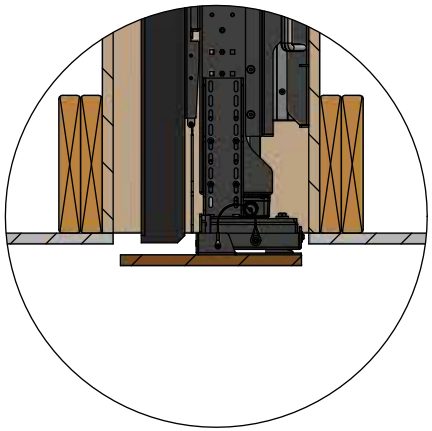
COPYRIGHT 2023 - ALL RIGHTS RESERVED
UPDATED 4/3/26

MODEL L-77i DIAGRAM

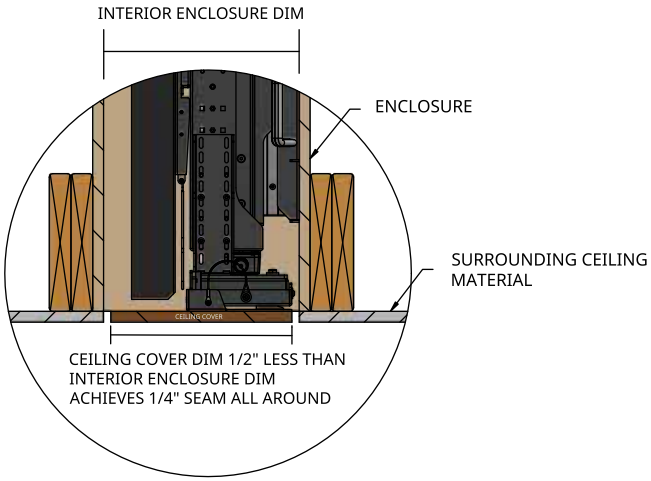
CEILING COVER INFORMATION

IMPORTANT: THE L-77i FEATURES A NEW CEILING COVER DESIGN - YOU MUST NOT CREATE A CEILING COVER CATCH AS PART OF YOUR INSTALLATION. THE CEILING COVER MUST BE ABLE TO RETRACT ABOVE IT'S NORMAL CLOSED POSITION AS A PART OF THE RESET PROCEDURE.

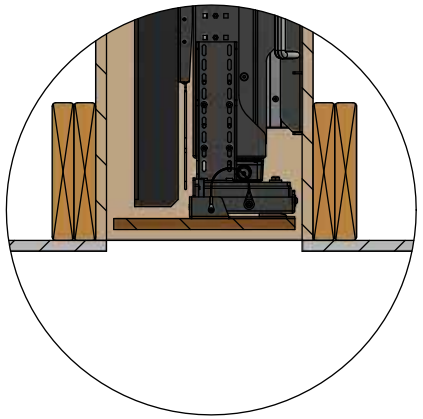
CREATING A CEILING COVER CATCH WILL CAUSE DAMAGE TO YOUR LIFT SYSTEM AND VOID THE 10-YEAR WARRANTY.



LIFT SYSTEM ALMOST FULLY RETRACTED



LIFT SYSTEM IN IDEAL CLOSED POSITION



LIFT SYSTEM IN RESET POSITION

NOTES:
1. UNLIKE OTHER NEXUS 21 LIFT MODELS, YOU WILL NOT INSTALL A CEILING COVER CATCH FOR THIS LIFT.

NEXUS 21

COPYRIGHT 2023 - ALL RIGHTS RESERVED
UPDATED 4/3/26

SURFACE MOUNTING INFORMATION

SPECIFICATIONS

MINIMUM STRINGER HEIGHT : 33 in [83.8 cm]
MINIMUM STRINGER WIDTH: 17.5 in [44.5 cm]
ASSUMES MIN 16 in ON CENTER STUD SPACING. ADJUST AS NECESSARY FOR LARGER STUD SPACING
MINIUMUM STRINGER THICKNESS: 3/4 in [1.9 cm]

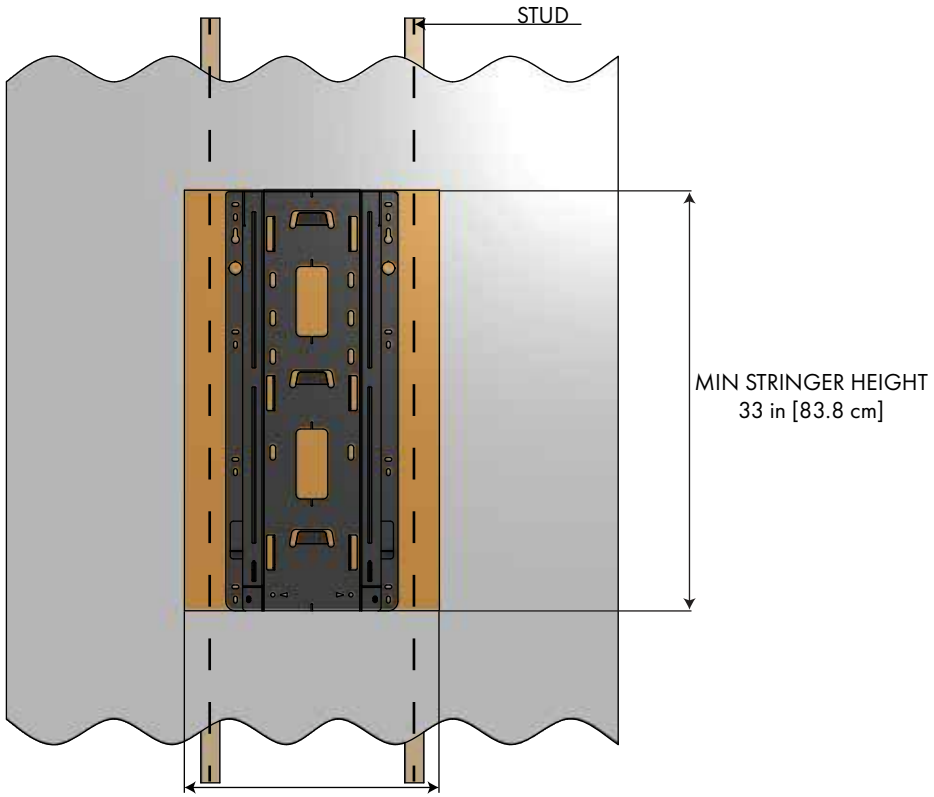
CAUTION:

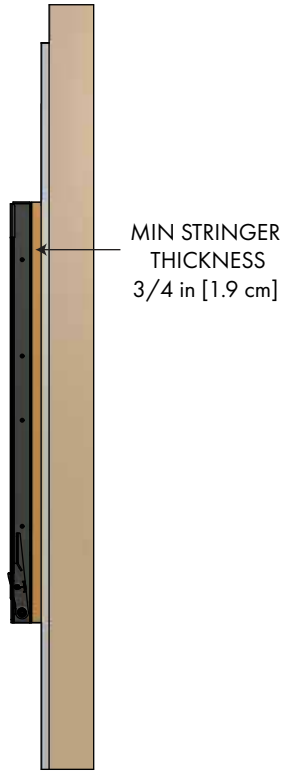
DO NOT INSTALL INTO DRYWALL ALONE

A STRINGER BOARD MUST BE USED AND MUST BE SECURED TO A MINIMUM OF 2 STUDS.

HARDWARE TO SECURE STRINGER BOARD TO STUDS IS NOT PROVIDED BY NEXUS 21.

DRYWALL ALONE WILL NOT SUPPORT THE WEIGHT OF THE INSTALLATION.





MIN STRINGER WIDTH = 17.5 in [44.5 cm]
ASSUMES MIN 16 in ON CENTER STUD SPACING. ADJUST AS NECESSARY FOR LARGER STUD SPACING

NOTES:
1. THE STRINGER BOARD SHOWN IN THE DIAGRAM IS FOR REFERENCE ONLY AND IS NOT PROVIDED WITH THE LIFT SYSTEM.
2. THE STRINGER BOARD AND WALL SHOULD BE CONSTRUCTED TO WITHSTAND A LOAD OF 600 LBS [272.2 kg] OR MORE.
3. STRINGER BOARD IS USED TO TRANSFER THE LOAD TO THE WOOD FRAME STUDS INSTEAD OF DRYWALL.
4. INSTALLATION BRACKET TO BE SECURED TO STRINGER BOARDS WITH (6) HEX HEAD BOLTS & (2) ANCHORS PROVIDED BY NEXUS 21

NEXUS 21

COPYRIGHT 2023 - ALL RIGHTS RESERVED
UPDATED 4/3/26

SURFACE MOUNTING INFORMATION

SPECIFICATIONS

MINIMUM STRINGER HEIGHT : SEE DETAILS BELOW
MINIMUM STRINGER WIDTH: 17.5 in [44.5 cm]
ASSUMES MIN 16 in ON CENTER STUD SPACING. ADJUST AS NECESSARY FOR LARGER STUD SPACING
MINIUMUM STRINGER THICKNESS: 3/4 in [1.9 cm]

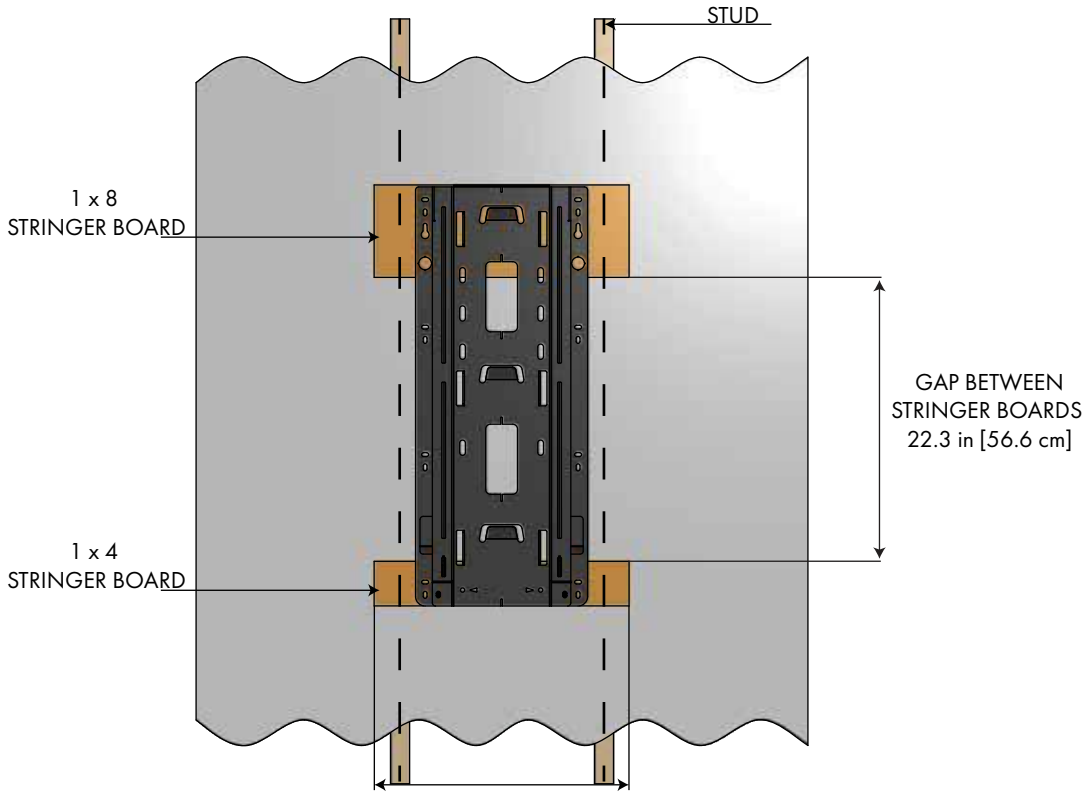
CAUTION:

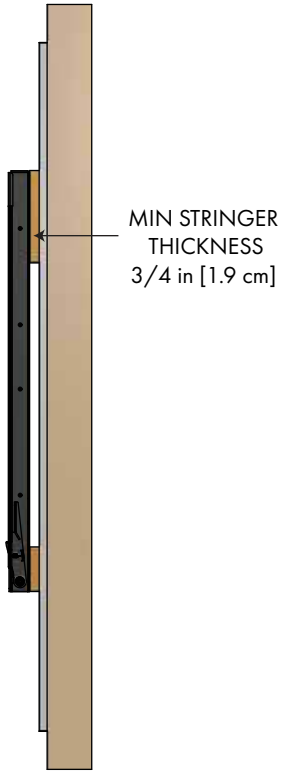
DO NOT INSTALL INTO DRYWALL ALONE

TWO STRINGER BOARDS MUST BE USED AND MUST BE SECURED TO A MINIMUM OF 2 STUDS EACH.

HARDWARE TO SECURE STRINGER BOARDS TO STUDS IS NOT PROVIDED BY NEXUS 21.

DRYWALL ALONE WILL NOT SUPPORT THE WEIGHT OF THE INSTALLATION.





MIN STRINGER WIDTH = 17.5 in [44.5 cm]
ASSUMES MIN 16 in ON CENTER STUD SPACING. ADJUST AS NECESSARY FOR LARGER STUD SPACING

NOTES:
1. THE STRINGER BOARDS SHOWN IN THE DIAGRAM ARE FOR REFERENCE ONLY AND IS NOT PROVIDED WITH THE LIFT SYSTEM.
2. THE STRINGER BOARDS AND WALL SHOULD BE CONSTRUCTED TO WITHSTAND A LOAD OF 600 LBS [272.2 kg] OR MORE.
3. STRINGER BOARDS ARE USED TO TRANSFER THE LOAD TO THE WOOD FRAME STUDS INSTEAD OF DRYWALL.
4. INSTALLATION BRACKET TO BE SECURED TO STRINGER BOARDS WITH (6) HEX HEAD BOLTS & (2) ANCHORS PROVIDED BY NEXUS 21

NEXUS 21

COPYRIGHT 2023 - ALL RIGHTS RESERVED
UPDATED 4/3/26