



INDIANA UNIVERSITY
UNIVERSITY ARCHITECT'S OFFICE

ADDENDUM # 3

TO: bidders
FROM: Somsri Bond, RA, LEEDap
Assistant Architect for Research, University Architect's Office
SUBJECT: 20180123 - EA802 - Whitewater Hall - Rms 221,223,225-Interior Finishes & Technology Upgrade
Indiana University East Campus
DATE: Thursday, September 27, 2018

This Addendum is issued in accordance with the provisions of the General Conditions for Indiana University Projects and becomes a part of the Contract Documents as provided therein. The requirements of the original Bid Documents remain in effect except as modified below.

Acknowledge receipt of this Addendum in the space provided on the Bid Proposal Failure to do so may subject the Bidder to disqualification.

Questions/Answers:

Questions:

- Leonard Peterson Vanguard Wood Science Casework is acceptable? We installed Leonard Peterson at the IU Geological Sciences Building in Rooms 436,442, and 447 in 2016
- Please advise if you want the Lipped Construction or Full Overlay Constructions on the doors and drawers.
- recessed electric projection screens would not work in this old 5ft grid system the lights are angled up, you would need to specify a surface mounted screen that fits tight to the existing grid please give a model number for the draper screens

Answers:

1. Leonard Peterson Vanguard Wood Science Casework is acceptable.
2. Lipped construction.
3. It is manual screen, please change to model: Luma 2, 227212. Please install the extension brackets, similar to existing classroom. Please see attached installation guide and link below.

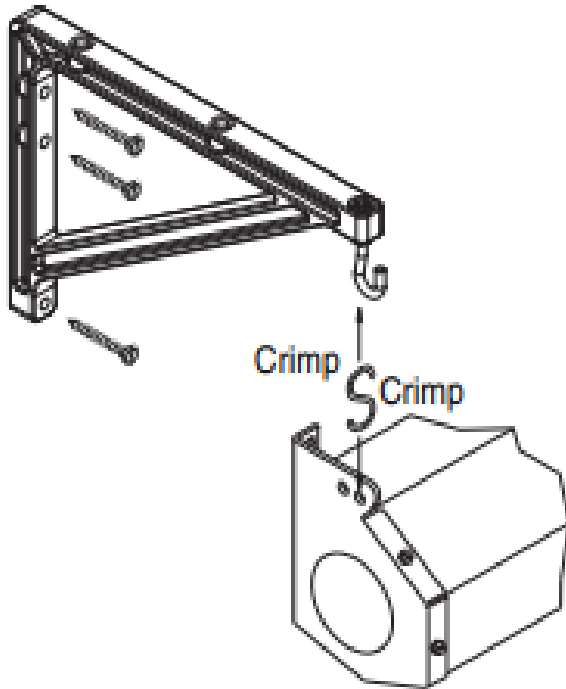
https://www.draperinc.com/projectionscreens/productdetail/215/luma_2



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Extension Brackets (Optional Equipment)



Wall mount the brackets (not included with screen) using hardware recommended for "Wall Mounting" (at right). Then, suspend the screen from the **front** mounting hole in the endcap with "S" hooks (as in "Ceiling Suspended"). For added safety, crimp both ends of the "S" hooks so the screen cannot come off.

Installation Instructions

Floating Mounting Bracket for Targa, Premier, Premier/C and Luma 2 Projection Screens by Draper

⚠ Caution

- ① Read instructions through completely before proceeding.
- ② Follow instructions carefully. Installation contrary to instructions invalidates warranty.
- ③ Should be installed level and with bottom edges in alignment.
- ④ Hardware for assembling Floating Mounting Brackets and attaching to screen case is provided; it is the responsibility of the installer to provide the appropriate hardware for suspending or otherwise mounting the brackets to the wall or ceiling.

Wall Mounting

- ① Mount two Sliding Wall Brackets to the mounting surface. Brackets should be placed on studs. Installer must insure that fasteners used are of adequate strength and suitable for the mounting surface chosen.

Please Note: Sliding Wall Brackets can be mounted so they can be located at any point along the Case Attachment Brackets (within 24" of each end of case). They must be mounted level, and with bottom edges in alignment.

- ② Place front brackets on screen case, making sure the lower curled edge engages the screen case (see Fig. 1).

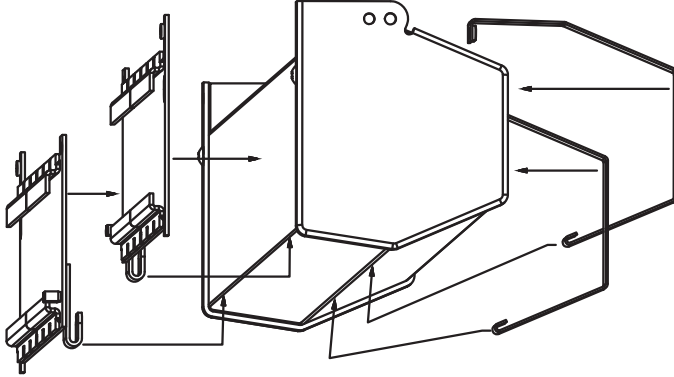


Figure 1

- ③ Place screen case on clean, steady surface with the back of the screen case facing up.
- ④ Remove the bottom screw from each endcap (see Fig. 2).
- ⑤ Attach Case Attachment Brackets to screen case by re-using endcap screws. Also use provided 10-32 x 1/2" PPH Zinc Machine Screws, attaching through the wall mounting holes on the endcaps (see Fig. 2).

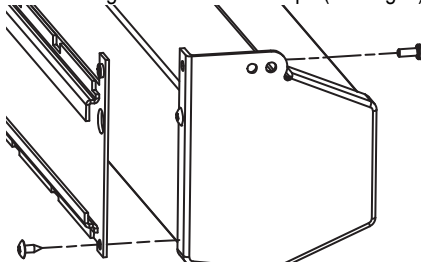


Figure 2

Please Note: Make sure to hook bottom of Case Attachment Bracket under the bottom of the screen case (see Fig. 1).

- ⑥ Attach Case Attachment Brackets to front brackets using 10-32 x 1/2" PPH Zinc Machine Screws (provided—see exploded diagram on page 2).
- ⑦ Mount screen case to wall brackets by slightly angling the upper slots on the Case attachment Brackets into the upper channel on the Sliding Wall Brackets, then rotating screen case into place (see Fig. 3).
- ⑧ Once the screen is placed in the desired position, secure screen case to Sliding Wall Brackets using #10-32 x 1" Pan Head Screws (provided) (see Fig. 3).

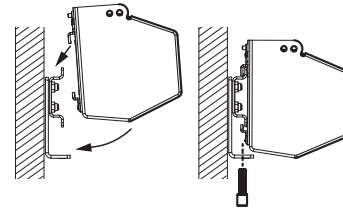


Figure 3

Ceiling Mounting

- ① Attach two Sliding Wall Brackets to Ceiling Brackets using .250-20 x 3/4" Phillips Pan Head Machine Screws and .250-20 Nylon Inserted Hex Zinc Locking Nut (provided—see exploded diagram on page 2).

- ② Mount two Ceiling Brackets to the mounting surface. Brackets should be located at joists. Installer must insure that fasteners used are of adequate strength and suitable for the mounting surface chosen.

Please Note: Sliding Brackets can be mounted so they can be located at any point along the Case Attachment Brackets (within 24" of each end of case). They must be mounted level, and with bottom edges in alignment.

- ③ Place front brackets on screen case, making sure the lower curled edge engages the screen case (see Fig. 1).
- ④ Place screen case on clean, steady surface with the back of the screen case facing up.
- ⑤ Remove the bottom screw from each endcap.
- ⑥ Attach Case Attachment Brackets to screen case by re-using endcap screws. Also use provided 10-32 x 1/2" PPH Zinc Machine Screws, attaching through the wall mounting holes on the endcaps (see Fig. 2).

Please Note: Make sure to hook bottom of Case Attachment Bracket under the bottom of the screen case (see Fig. 1).

- ⑦ Attach Case Attachment Brackets to front brackets using 10-32 x 1/2" PPH Zinc Machine Screws (provided).
- ⑧ Mount screen case to wall brackets by slightly angling the upper slots on the Case Attachment Brackets into the upper channel on the Sliding Wall Brackets, then rotating screen case into place (see Fig. 4).
- ⑨ Once the screen is placed in the desired position, secure screen case to Sliding Wall Brackets using #10-32 x 1" Pan Head Screws (provided) (see Fig. 4).

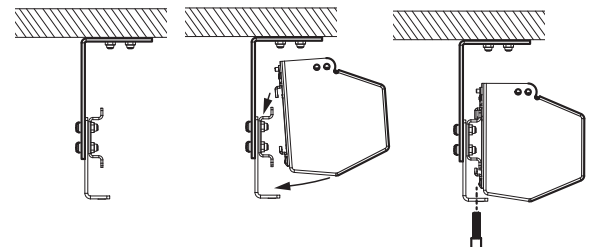


Figure 4

Please Note: For dimensional, exploded and assembled drawings, please see page 2 of these instructions.

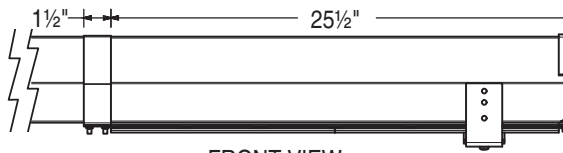
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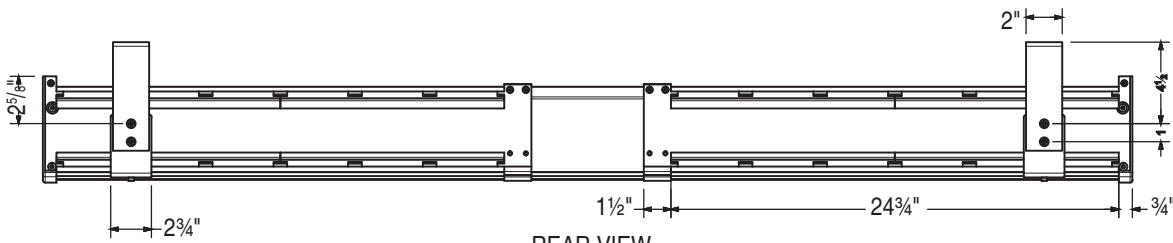
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If you encounter any difficulties installing your Floating Mounting Brackets, call your dealer or Draper, Inc., Spiceland, Ind., (765) 987-7999; fax (765) 987-7142.

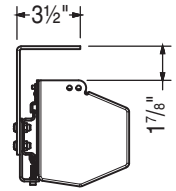
Dimensions



FRONT VIEW

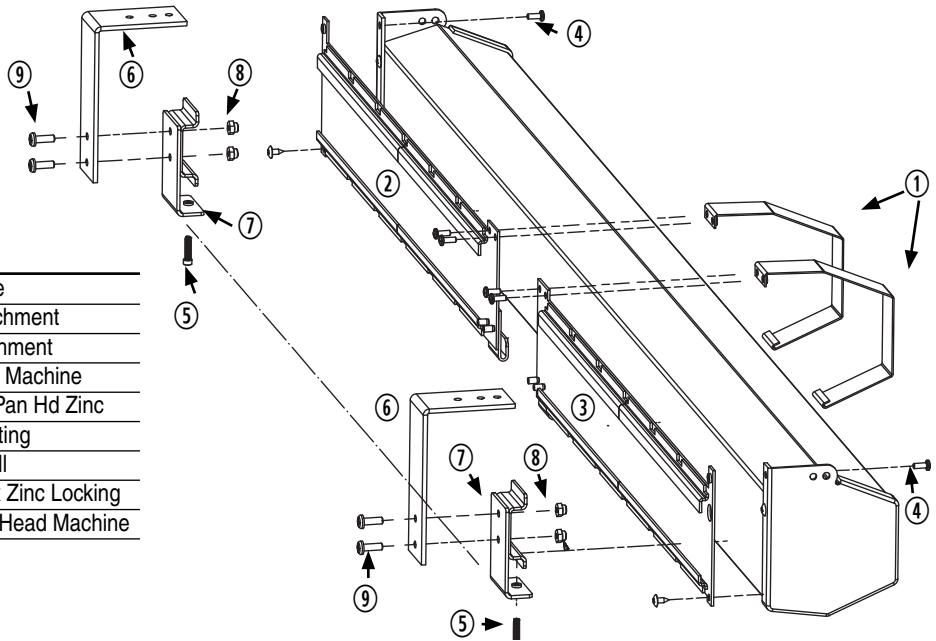


REAR VIEW



SIDE VIEW

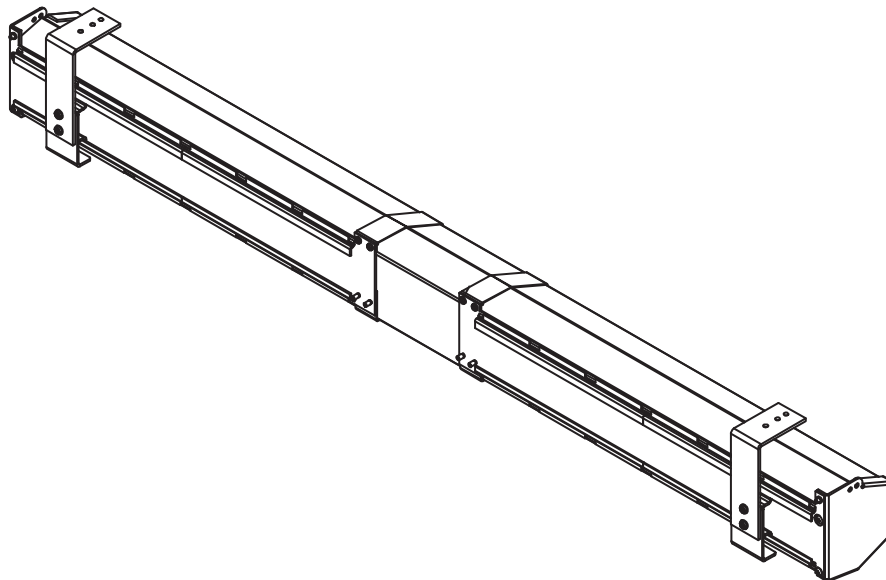
Exploded Drawing



Parts List

ITEM	QTY	DESCRIPTION
1	2	Bracket, Front Case
2	1	Bracket, Right Case Attachment
3	1	Bracket, Left Case Attachment
4	6	Screw 10-32 x 1/2" PPH Zinc Machine
5	2	Screw, #10-32 x 1" Long Phil Pan Hd Zinc
6	2	Bracket, Ceiling Mounting
7	2	Bracket, Sliding Wall
8	4	Nut, .250-20 Nylon Inserted Hex Zinc Locking
9	4	Screw, .250-20 x 3/4" Phillips Pan Head Machine

Completed Assembly Drawing



Installation/Operating Instructions

LUMA 2 Spring Roller Operated Projection Screen by Draper

Before You Begin

- 1 Read and understand these instructions; keep them for future reference.
- 2 Care in both mounting and correct operation will mean long and satisfactory service from your Draper screen.
- 3 Locate the screen where the audience can best see it, and where other room furnishings permit.
- 4 Mount the screen so that the bottom of the picture, when screen is fully extended, will be above the heads of viewers.

Installation

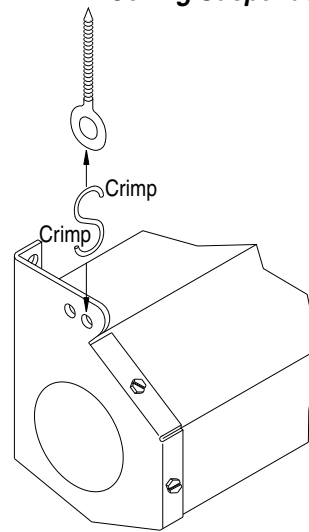
Your Draper screen can be mounted on a wall or suspended from the ceiling or extension brackets. It must be mounted **level** and **with the flat back parallel to the wall**.

The screen (or extension brackets) should be mounted into studs or blocking in the wall/ceiling, or in drywall (minimum thickness 1/2") with specified anchors. For any other type of installation, follow all local building and safety codes.

Steel studs, concrete or cinder block walls and all other types of non-wood frame construction require the use of special screws or anchors.

The selection of appropriate mounting hardware should be made by a qualified professional installer. Draper does not recommend hanging Luma 2 screens using chains. Using chains may allow the roller to lock in the fully extended position, and prevent the surface from retracting into the case.

Ceiling Suspended (Hardware not included)



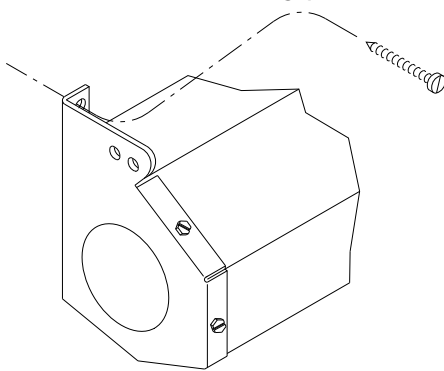
Use the holes at the **front** of the mounting bracket for suspended mounting. Position and properly anchor screw eyes or other fasteners (not included) into ceiling joists or other solid surface. Suspend "S" hooks (not included) from fasteners and hook through **front** mounting hole in the endcap. For added safety, crimp both ends of the "S" hooks so the screen cannot come off.

Recommended hardware: For mounting into wood or ceiling joist, use two 3/16" x 1 1/4" screw eyes and 3/16" diameter "S" hooks; for mounting into drywall (minimum 1/2" thick), use 3/16" toggle or molly bolts with 3/16" "S" hooks.

Please Note:

Draper does not recommend hanging Luma 2 screens using chains. Using chains may allow the roller to lock in the fully extended position, and prevent the surface from retracting into the case.

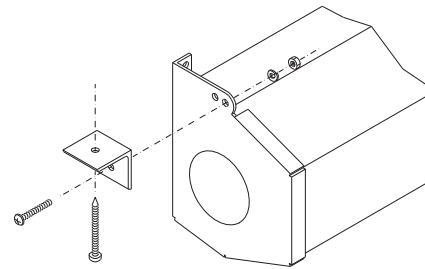
Wall Mounting (Hardware not included)



Use the holes at the back of the mounting bracket for flush wall mounting.

Recommended hardware: For mounting into wood or wall stud, use #10 x 1 1/4" wood screws; for mounting into drywall (minimum 1/2" thick), use 3/16" toggle bolts or 3/16" molly bolts.

Recessed Mounting (Hardware not included)

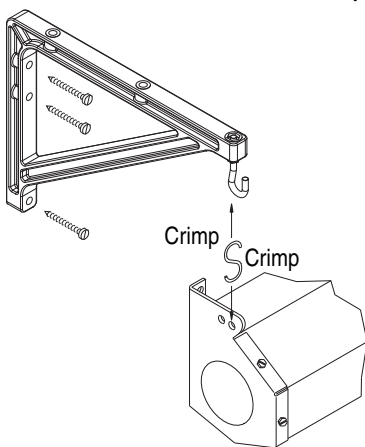


Use the **front** mounting hole in the endcap for recessed mounting flush with the ceiling. Attach angle (not included) to screen then position and properly anchor screw fasteners (not included) into ceiling joists or other solid surface.

Recommended hardware: For mounting into wood or ceiling joist, use 3/16" bolts.

Please Note: Optional Floating Brackets are available with the Luma 2. They should be located on studs or joists. The bracket then attaches at any almost any point along the case. For details, see separate instruction sheet that ships with the Floating Wall Bracket.

Extension Brackets (Optional Equipment)



Wall mount the brackets (not included with screen) using hardware recommended for "Wall Mounting" (at right). Then, suspend the screen from the **front** mounting hole in the endcap with "S" hooks (as in "Ceiling Suspended"). For added safety, crimp both ends of the "S" hooks so the screen cannot come off.

Operating Instructions—Standard

To lower picture surface, pull screen down. *Hesitate*—then allow screen to retract *very slowly* until it locks in place.

To raise picture surface, pull screen down and, while holding, allow for slow retraction into the case to reduce risk of injury from falling screen.

Please Note: If the surface stops between the full up or full down positions, it will not retract completely back into the case. Please lower the surface to the full down position and then let it retract all the way back into the case without stopping or slowing it down.

Operating Instructions—AutoReturn

To lower picture surface, pull screen down. *Hesitate*—then allow screen to retract *very slowly* until it locks in place.

To raise picture surface, pull screen down gently until it stops, then release.

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