

**Interdisciplinary Science Building
Webster University
Cannon Design Project No. 004561.01**

Project: Webster ISB Substitution Request Number: 1
From: Matt Horton
To: Kelvin Patel Cannon Design Date: November 23, 2016
Re: _____ Contract For: _____

Specification Title: Projection Screens Description: _____
Section: 115213 Page: 2 Article/Paragraph: 2.B

Proposed Substitution: Access V Projection Screen
Trade Name: Eric Hanselman
Model No.: Access V
Manufacturer: Draper
Address: _____
Phone: 1-800-878-9611 Manufacturer Web Page: www.draperinc.com

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

Savings to Owner for accepting substitution: _____ (\$ _____)

Proposed substitution changes Contract Time: ☒ No ☐ Yes [Add] [Deduct] _____ days.

The Undersigned Bidding General Contractor/Construction Manager Certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified products.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

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- The following supporting data is attached to this request and verifies the above statements:

- ☒ Drawings
- ☒ Product Data
- ☐ Samples
- ☐ Tests
- ☐ Reports

☒ Other (explain) Specified Product, Series V, is discontinued. Access V model replaces the discontinued product.

Submitted by: Signature Craft / Eric Hanselman

Signed by: _____

Contractor: Paric Corporation

Address: 77 West Port Plaza

Maryland Heights, MO 63146

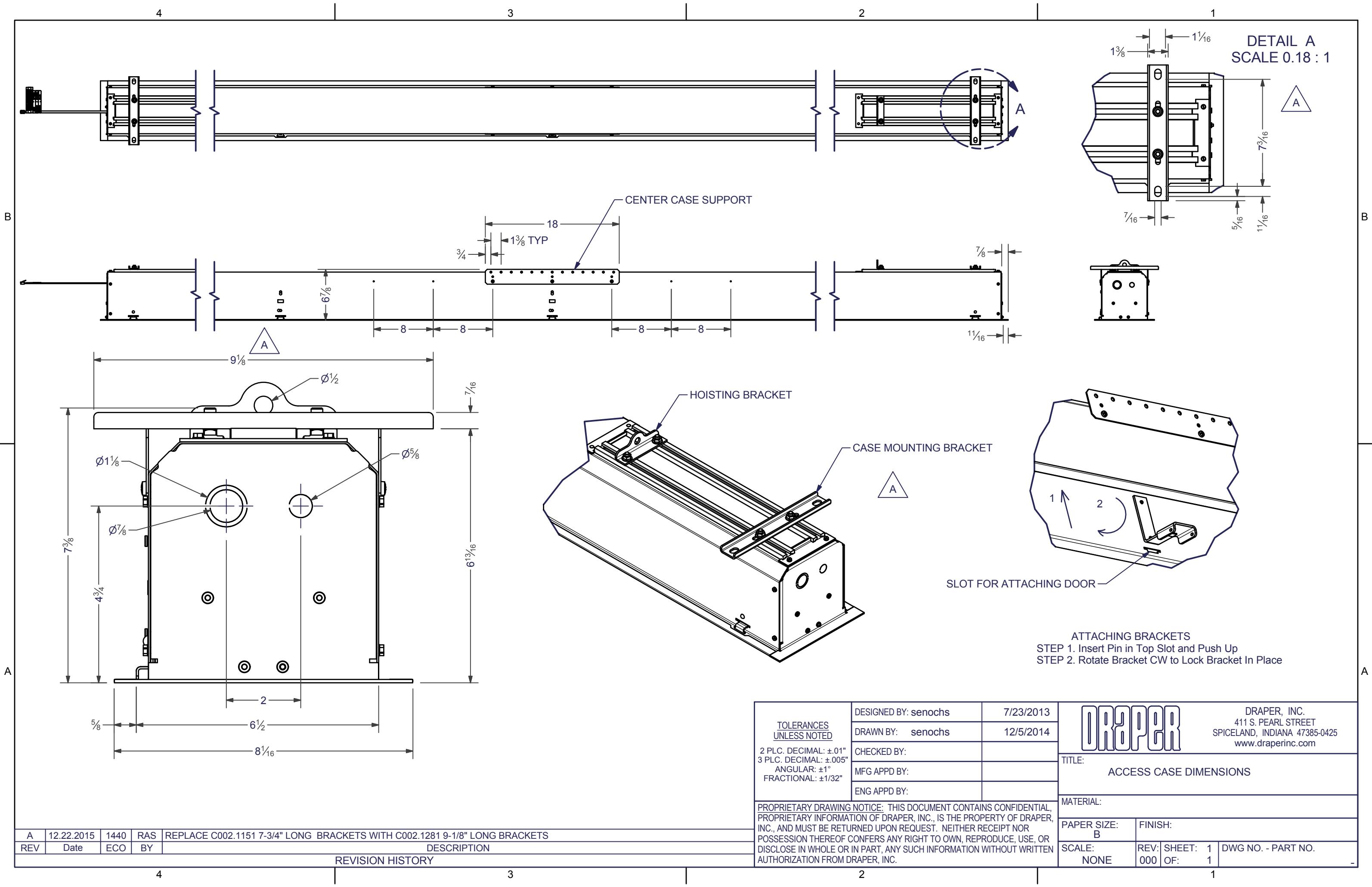
Phone: 636/561-9841 : mrhorton@paric.com

Review and Action

- ☐ Substitution approved – Make submittals in accordance with the Specifications.
- ☐ Substitution approved as noted – Make submittals in accordance with the Specifications.
- ☒ Substitution rejected – Use specified materials.
- ☐ Substitution received too late – Use specified materials.

Comments: No Projection screen in conference room 352

Signed by: Kelvin Patel Date: 12/16/2016



ACCESS/SERIES V

MOTORIZED, CEILING-RECESSED, TAB TENSIONED PROJECTION SCREEN



The ACCESS/SERIES V is a motorized, ceiling-recessed projection screen with a steel white case that installs above the ceiling. A trim flange finishes the ceiling opening for a clean appearance. Tab-tensioned viewing surface and roller can be installed at the same time, or can be added at a later time.

FEATURES

- **INCLUDES:** One 110-220V or 220V 3-position switch.
- **CASE DIMENSIONS:** 8-1/16" W x 7-3/8" H (20.6 cm x 18.7 cm) including flange.
- **BLACK DROP:** 12" (30 cm) black drop at top of screen is standard.
- **HOISTING BRACKETS:** Adjustable or removable hoisting brackets included for easy lifting during installation.
- **SLIDING BRACKET:** Bracket on inside of case accommodates different sizes of screen.
- **HINGED DOOR:** Bottom panel with new hinge system allows the closure panel to hang in place when opened, or it can be easily removed.
- **WARRANTY:** One year against defects in materials and workmanship.
- **US PATENTS:**
<http://www.draperinc.com/legal/patents/>

OPTIONS

- **CONTROLS:** Can be furnished with *standard options*.
- **MOTORS:** *Built-in Quiet, Low Voltage* and 220V options available.
- **VIEWING SURFACES:** Available with *viewing surfaces* from the TecVision (premium engineered), OptiFlex (tensioned), CineFlex (rear projection), and ClearSound (acoustically transparent) families.
- **EXTRA DROP:** Available above image area. Specify color.
- **BLACK CASE:** Available on request.

SUPPORTING DOCUMENTS

All instructions, technical drawings and other supporting documents are located at:
www.draperinc.com/Documents.aspx

SIZES

- **16:10 FORMAT:** 137" (348 cm) to 226" (574 cm) dia.
- **16:9 HDTV FORMAT:** from 133" (338 cm) to 220" (559 cm) dia.
- **4:3 NTSC/PAL FORMAT:** from 150" (381 cm) to 240" (610 cm) dia.
- **AV FORMAT:** from 96" x 96" (244 cm x 244 cm) to 144" x 192" (366 cm x 488 cm) viewing area
- **CUSTOM SIZES AVAILABLE:** For smaller screen sizes see the Access FIT/Series V



For more information on this product visit:
www.draperinc.com/go/AccessV.htm

Access/Series V



Ceiling recess case now.

Install screen/roller assembly later at job site

by

DRAPER

Specifications—Access/Series V

Projection screens, size _____ h. x _____ w., recessed ceiling mounting. Case back, top, and front constructed of steel. Endcaps are steel. Bottom panel forms slot for passage of viewing surface, easily removable for access. Symmetrical housing to allow for left or right-hand motor location, and for viewing surface to unroll from the back or front of the roller. Case to include bottom flange for trim around edges of ceiling opening. Case may be mounted with $\frac{3}{8}$ " threaded rod, with lag screws through brackets, or with wire in a grid ceiling. Mounting brackets slide in 18" long channels on top of case, allowing brackets to be moved to avoid interference with conflicting building structures. Brackets may be locked in position by tightening screws. Brackets may also be angled to meet installation requirements. Roller/fabric assembly may be installed in case at factory or job site. Brackets supporting roller/fabric assembly to slide in track inside top of case, allowing viewing surface to be centered in case regardless of screen size. Roller of 3" dia. steel. Top of HDTV and 16:9 format viewing surfaces through 110" diagonal masked by 12" black drop. Viewing surface flame and mildew resistant. Matt White XT1000V and Contrast Grey XH800V viewing surfaces are certified to GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit ul.com/gg.



Electrically operated 110-120V AC, 60 Hz. 4-wire motor mounted inside screen roller, 1.1 amp current draw, instantly reversible, lifetime lubricated, with internal thermal overload protector and electric brake, standard motor with preset accessible switches. Optional Quiet Motor operates at 44 Db (motor noise is approximately 30% less than standard tubular motors). Housing to feature internal junction box.

PLEASE MARK APPROPRIATE SELECTIONS

Select Shipping Option:

- ☐ Case Now, Screen Assembly Later ¹
☐ Complete Unit Now

Select Case Color:

- ☐ White (standard)
☐ Black (optional)

Select Viewing Surface:

- ☐ Matt White XT1000V (1.0 gain): GREENGUARD Gold certified
☐ Grey XH600V (0.6 gain) (Thru 9' x 12'): GREENGUARD Gold certified
☐ Pearl White MH1500V (1.5 gain) (Thru 9' x 12'): Optional
☐ Pure White XT1300V (1.3 gain): Optional
☐ Rear Projection Surface: Optional
☐ Other _____

Select Motor and Controls:

Standard Voltage Motor and Control Options:

- ☐ 110-120V AC (standard)
☐ Optional Quiet Motor ²

Please Note: These motors come with one 110V-120V AC 3-position wall switch (silver wall plate with black rocker).

Total number of 110-120V AC switches (operate independently)

- ☐ Substitute white switch(es) for silver wall plate with black rocker
☐ Optional Key Operated Switch
☐ Power Supply Key Switch (On-off)
☐ 3-Position Key Control
☐ 3-Position Switch with Hinged Key-Locking Coverplate

Low Voltage Motor and Control Options:

- ☐ Internal LVC-IV (Low Voltage Control Module)
☐ External LVC-IV (Low Voltage Control Module)
☐ Motor with Built-In Low Voltage Controller ^{1,3}
Quiet Motor with Built-In Low Voltage Controller ^{1,3}

Please Note: Select Control Options for Low Voltage from below.

- ☐ 24 Volt 3-Button Switch Number of 24V switches: _____
☐ Radio Frequency Remote Control (only with 24v)
☐ Infrared Remote Control (only with 24v)
☐ Optional Key Operated Switch
☐ Power Supply Key Switch (On-off)
☐ 3-Position Switch with Hinged Key-Locking Coverplate

Select Motor Location:

- ☐ Left end (standard)
☐ Right end

Optional Accessories:

- ☐ Additional set of mounting brackets for alternate mounting (see page 2)
☐ Additional Drop _____ (Beyond standard 12") ⁵
Total Drop _____ (Standard 12" + Additional drop) (Total screen height cannot exceed 12")
☐ Black (standard)
☐ Same color as viewing surface

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www.draperinc.com ■ fax 765-987-7142

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allowing it to be installed and wired to building supply wires at an early stage of construction. Junction box to have plug-in style connector, accepting the mating half of the connector from the motorized roller/fabric assembly. 3-position control switch (or switches—specify number) to stop or reverse screen at any point. Switch(es) furnished with cover plate. Patented by Draper, Inc.

Patent information available at <http://www.draperinc.com/legal/patents/>

Downloadable 3-part specifications are available at www.draperinc.com.

Entire unit certified by Underwriters' Laboratories for the U.S. and Canada.

Plenum rated case (UL approved "Suitable for Use in Environmental Air Space").

Specifications subject to change without notice.

Dimensions & Data

Nominal Diagonal	Image Area	Case Length ⁵	Dowel Length	Net Wt. (lbs.)	Qty.
16:10 Format					
137"	72½" x 116"	143"	125⅞"	89	
165"	87½" x 140"	168"	154⅜"	106	
189"	100" x 160"	187"	174⅜"	153	
198"	105" x 168"	196"	182⅞"	230	
201"	120" x 192"	223"	208½"	260	

HDTV Format (16:9)					
133"	65" x 116"	143"	127⅞"	89	
161"	79" x 140"	168"	152⅞"	110	
184"	90" x 160"	187"	174⅜"	135	
193"	94½" x 168"	195"	182⅞"	235	
220"	108" x 192"	223"	206⅞"	244	

NTSC Video Format (4:3)					
150"	87" x 116"	143"	130⅜"	104	
15'	108" x 144"	172"	158⅞"	110	
200"	118" x 158"	188"	174⅜"	135	
210"	126" x 168"	198"	184½"	235	
220"	132" x 176"	206"	192½"	244	
240"	144" x 192"	223"	210¼"	264	

Size H x W	Case Length ⁵	Dowel Length	Net Wt. (lbs.)	Qty.
Audio Visual Format				
96" x 96"	123"	110⅜"	95	
7' x 9'	136"	120⅞"	95	
9' x 9'	136"	122⅞"	99	
8' x 10'	147"	134⅜"	131	
10' x 10'	150"	136⅝"	109	
9' x 12'	172"	158⅞"	110	
12' x 12'	175"	162⅜"	121	
10' 6" x 14'	198"	184½"	235	
14' x 14'	206"	190⅜"	247	
12' x 16'	223"	210¼"	264	

Custom Size				

¹ Please note: When ordering a motor with Built-In Low Voltage Controller, if the case ships separate from the "guts," the case includes the 25' cable and special low voltage switch.

^{2,3} For size limitation charts for Quiet Motors and Quiet Motors with Built-In Low-Voltage Controller, see below.

⁴ Factory-installed VIC will not increase overall case lengths shown at right.

⁵ Extra drop increases case and dowel length. Specify at time of order and contact Draper if this dimension is critical. Case sizes include 1" flange on each end of case. Subtract 1½" for rough ceiling cutout size.

² Quiet Motor Size Limitations			
AV	NTSC	HDTV	16:10
108" x 144"	180"	161"	165"

³ Quiet Motor w/ LVC Size Limitations			
AV	NTSC	HDTV	16:10
96" x 96"	11'	119"	123"

Also available in 1.85:1, 2.35:1 and 15:9 Formats. Contact Draper.

PROJECT: _____

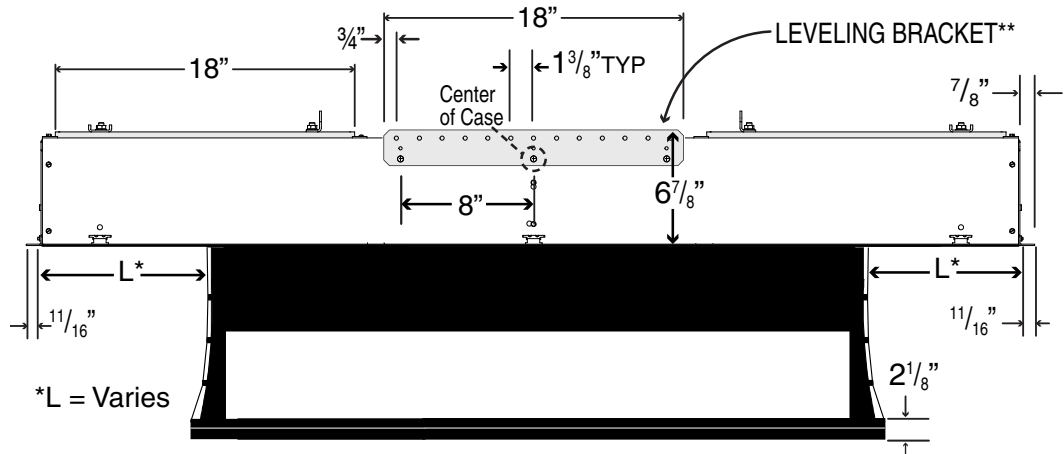
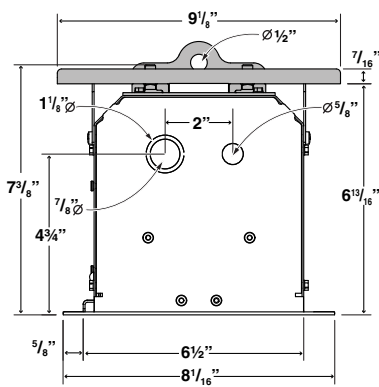
ARCHITECT: _____

CONTRACTOR: _____

SUPPLIER: _____

DATE: _____ REVISED: _____

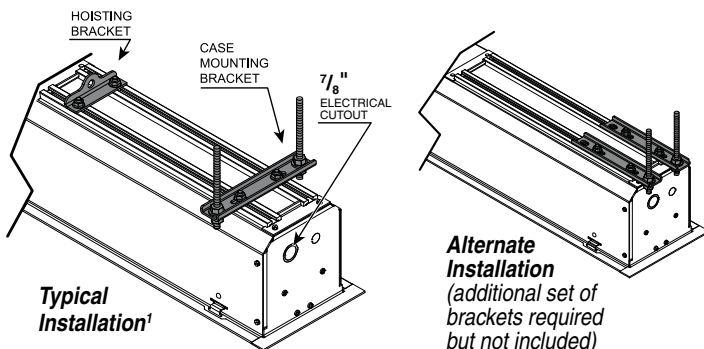
CASE DIMENSIONS AND METHODS OF INSTALLATION



Standard Motor Wiring is on the AUDIENCE LEFT END of Access Case.

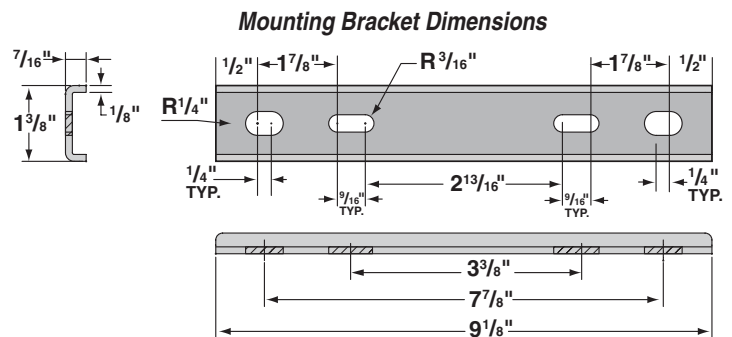
For minimum ceiling cutout subtract 1 1/4" from case length and width (measured from outer edge of flanges).

**There are several knock-outs in the screen housing to allow the Leveling Bracket to be adjusted laterally (up to 16" in either direction)



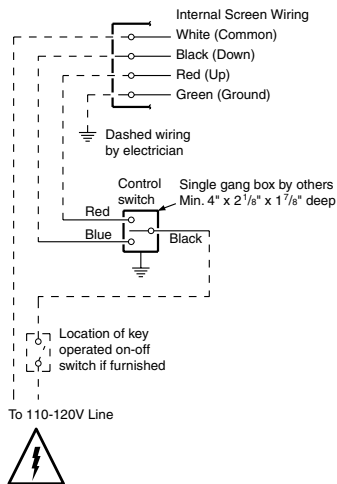
Standard Motor Wiring is on the AUDIENCE LEFT END of Access Case.

¹With typical installation, brackets may be angled to meet installation requirements.

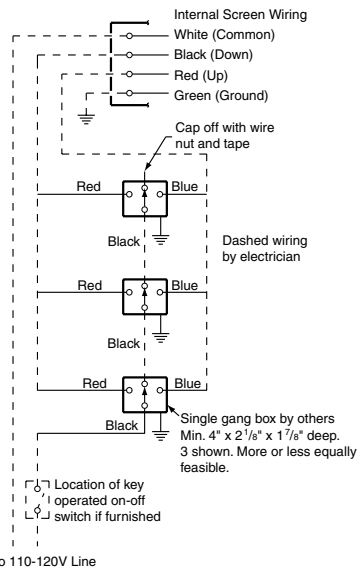
WIRING DIAGRAMS²

110-120V Motor and Quiet Motor

Single Station Control



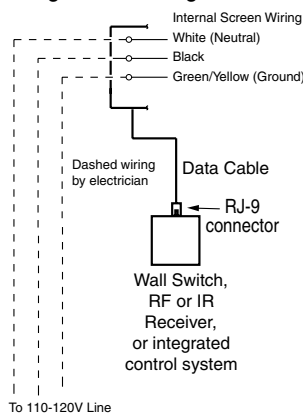
Multiple Station Control

**Please Note:**

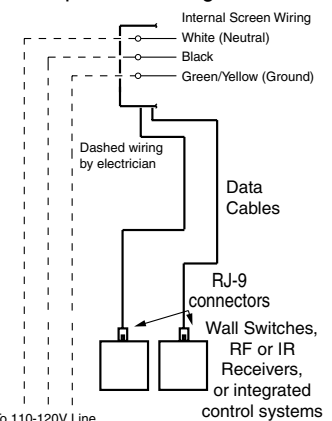
For external low voltage (LVC-IV), serial (LVC-IV) and network (LVC-IV) wiring diagrams, please consult instructions for those modules.

110-120V Motor and Quiet Motor
(Built-In Low Voltage Controller)

Single Low Voltage Control



Multiple Low Voltage Controls



² For more information and wiring diagrams for serial and network communication, please see wiring diagrams supplied with individual items.

PROJECT: _____

SUPPLIER: _____

DATE: _____ REVISED: _____