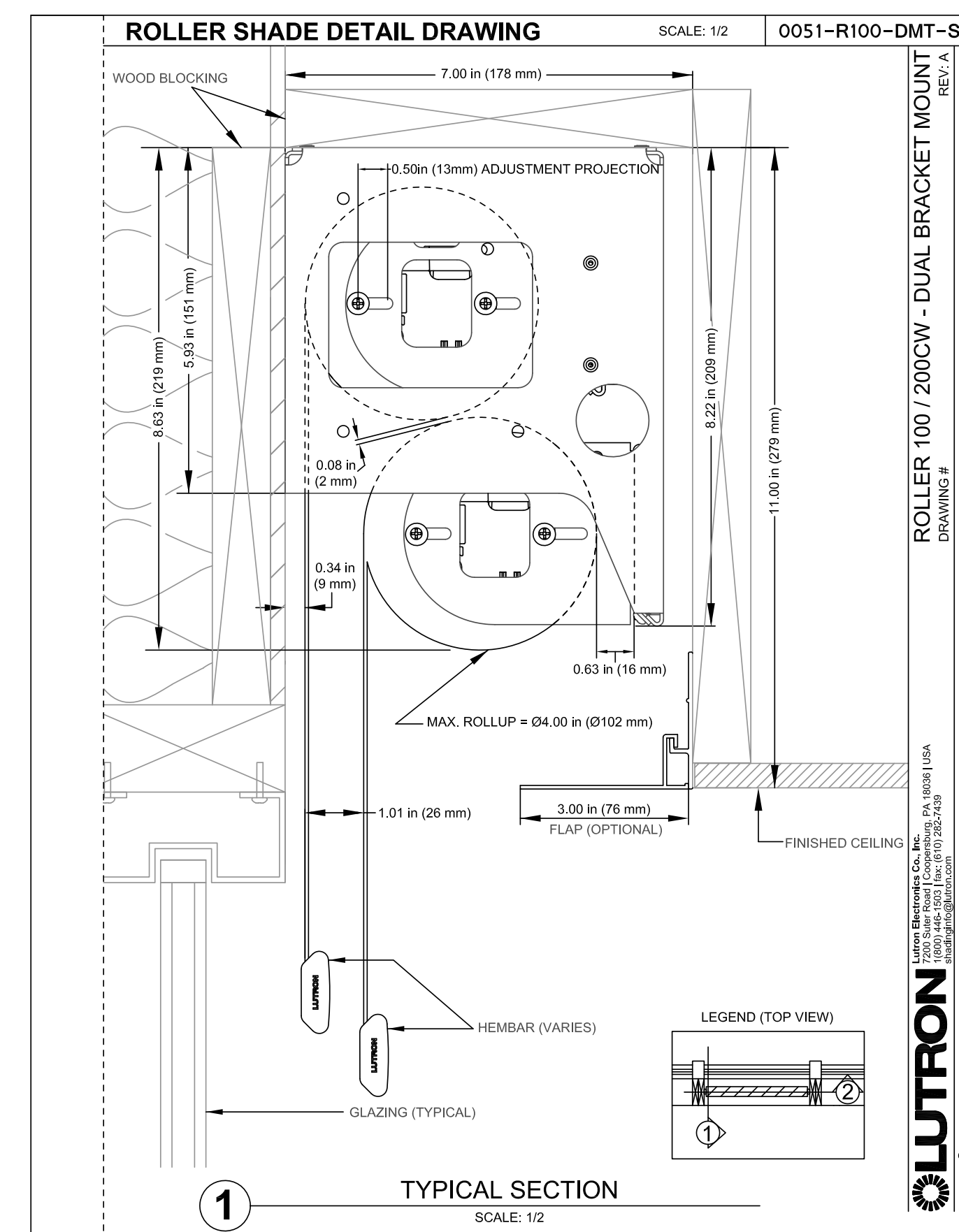
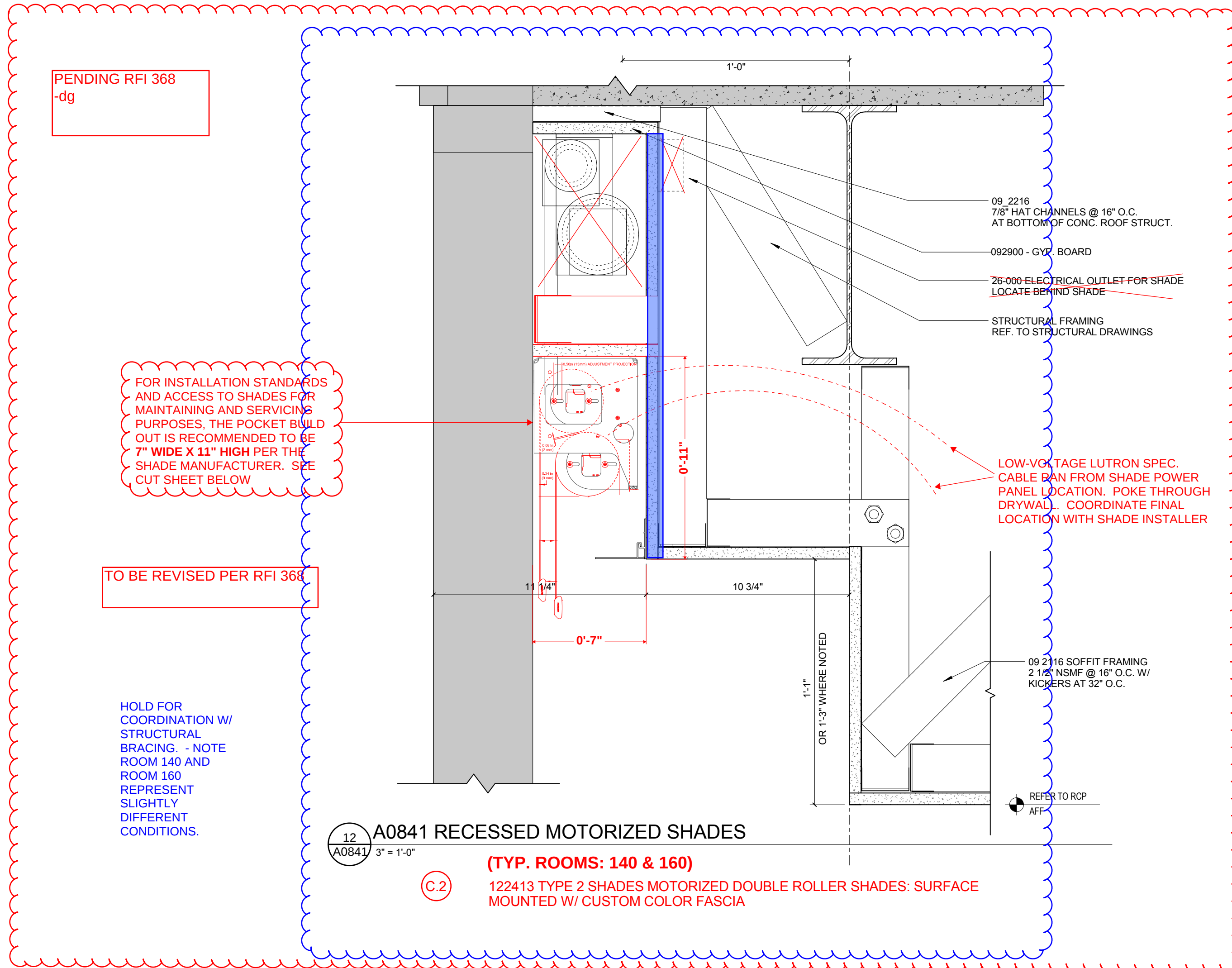
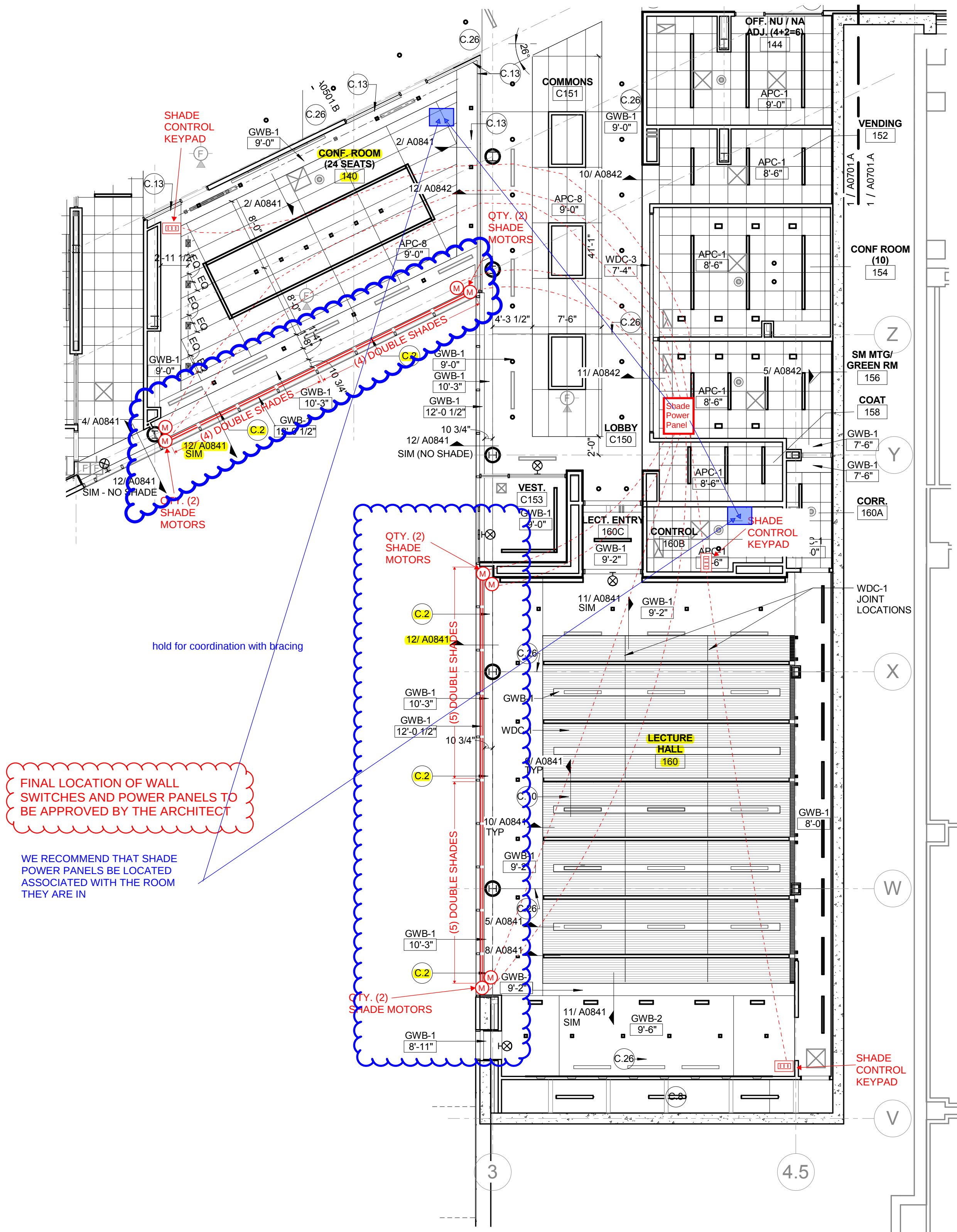


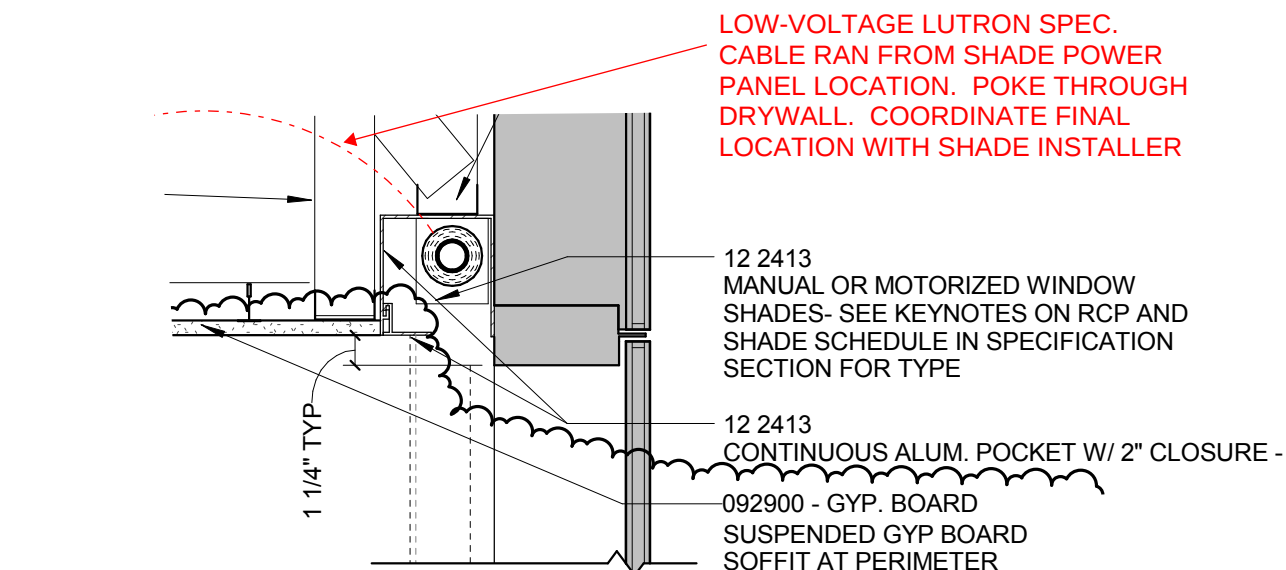
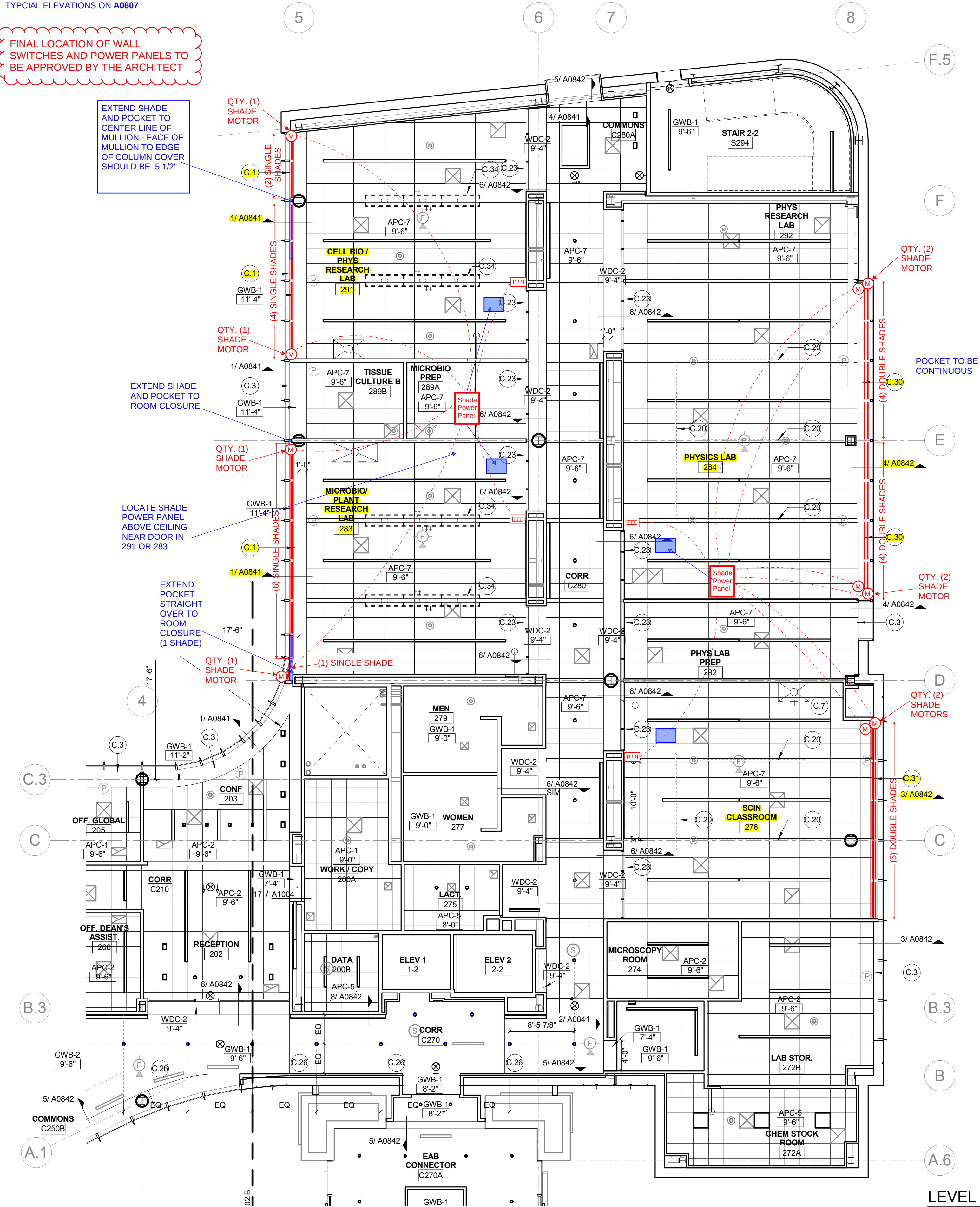


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CM - COORDINATE WALL SWITCHES TO BE LOCATED WITH LIGHT SWITCHES. REF. TYPICAL ELEVATIONS ON A0607

FINAL LOCATION OF WALL SWITCHES AND POWER PANELS TO BE APPROVED BY THE ARCHITECT

EXTEND SHADE AND POCKET TO CENTER LINE OF MULLION - FACE OF MULLION TO EDGE OF COLUMN COVER SHOULD BE 5 1/2"



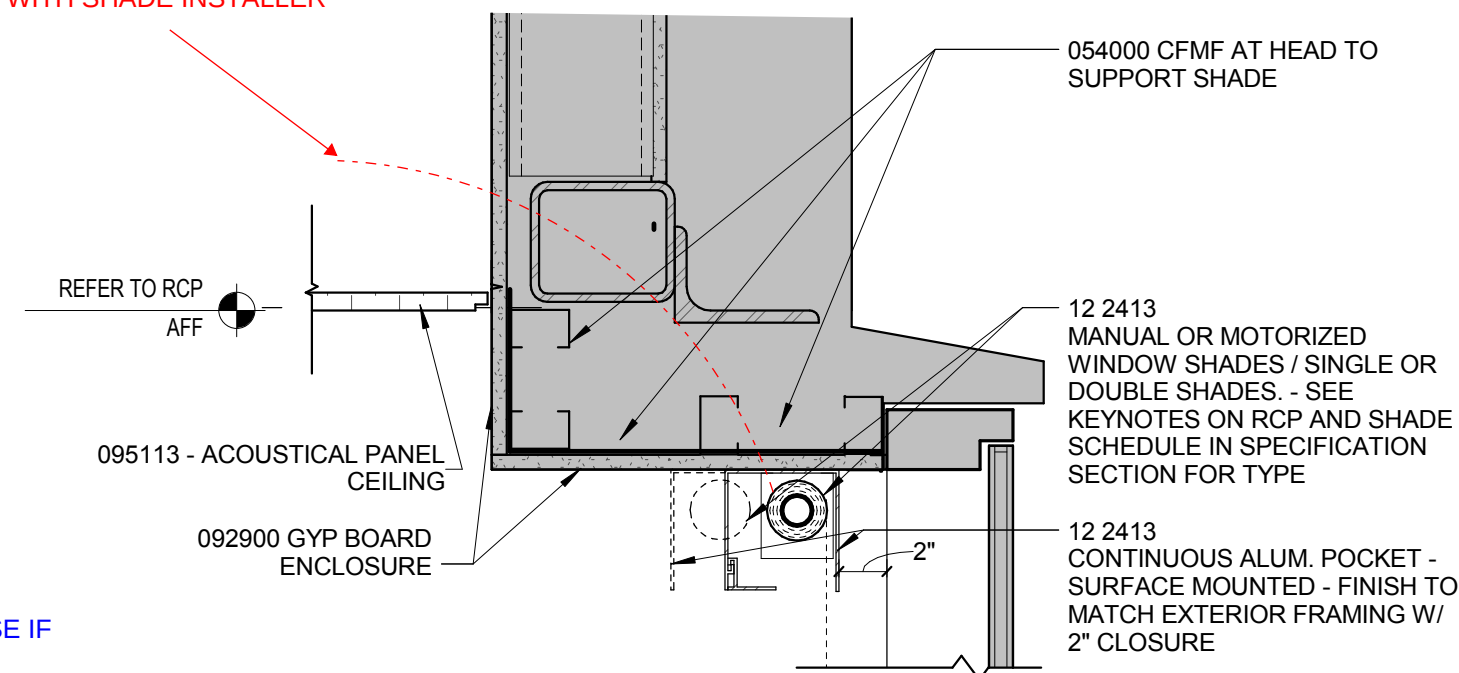
PERIMETER GYP BOARD POCKET W/ SHADE

(TYP. ROOMS: 283 & 291)

122413 TYPE 1 SHADES: MOTORIZED ROLLER SHADES IN COUNTIIOUS RECESSED POCKET (CFCI)

CM COORDINATE ROUTING OF CABLE AND LOCATION OF SHADE WITH CURRENT FRAMING

LOW-VOLTAGE LUTRON SPEC. CABLE RAN FROM SHADE POWER PANEL LOCATION. POKE THROUGH DRYWALL. COORDINATE FINAL LOCATION WITH SHADE INSTALLER

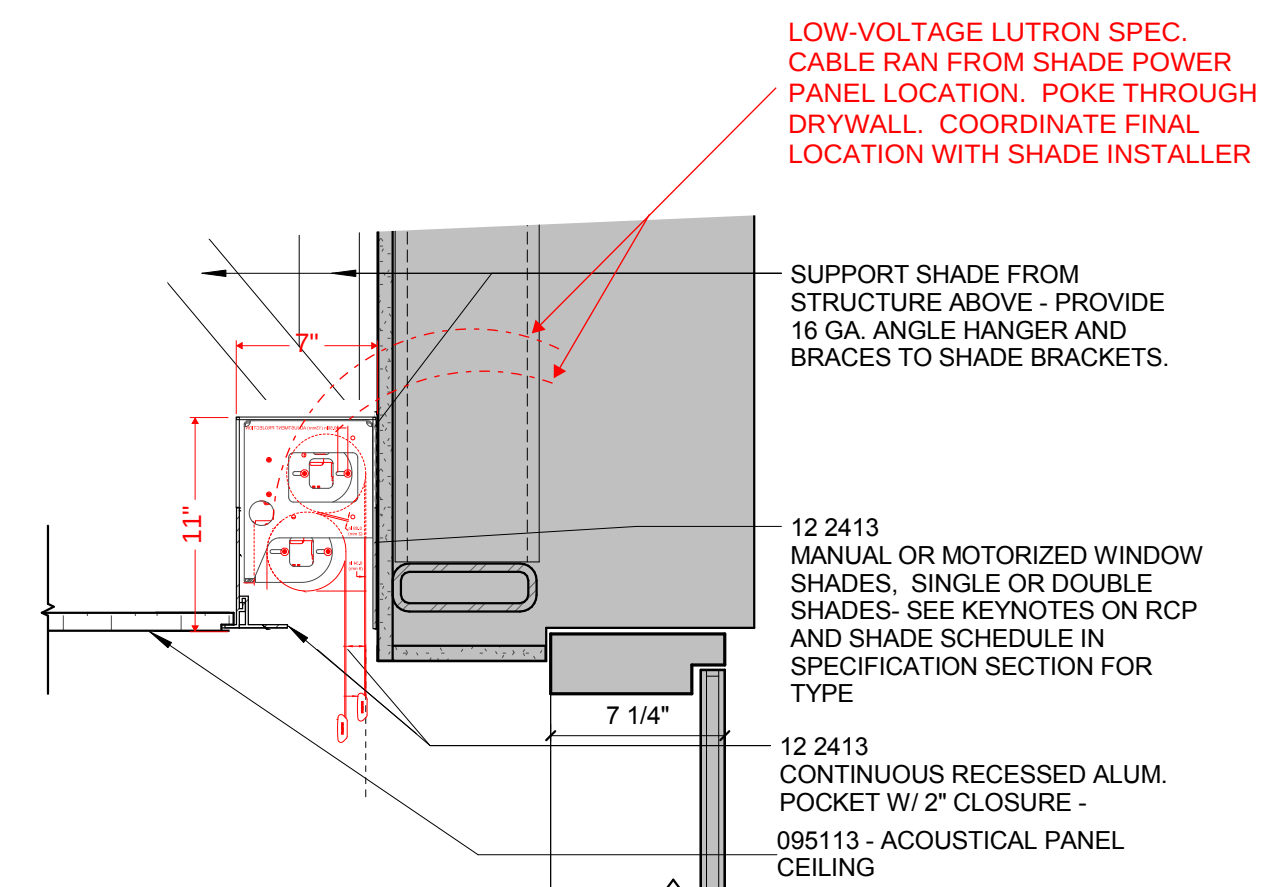


PROJECTED WINDOW SHADE - EAST SIDE

(TYP. ROOM: 284)

122413 TYPE 7 SHADES MOTORIZED DOUBLE ROLLER SHADES: SURFACE MOUNTED W/ CUSTOM COLOR FASCIA

PROVIDE DETAIL WITH DOUBLE SHADE IN CONTINUOUS POCKET PER DETAILS



RECESSED SHADE - EAST SIDE

(TYP. ROOM: 276)

122413 TYPE 8 MOTORIZED DOUBLE ROLLER SHADE IN RECESSED POCKET.



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Sheet Title:

SECOND FLOOR PLAN
MOTORIZED WINDOW
SHADES

Project Number:

Sheet Number:

Drawn By:

2 OF 6

Issue Date:

LEVEL 02- AREA A FLOOR PLAN

Architectural drawing of Level 02- ARD, showing a classroom layout with various annotations for shade motors, shades, and power panels. The drawing includes a grid system with horizontal lines labeled 1, 1.6, 1.7, 1.9, 2 and vertical lines labeled C.3, C, B.3, A.5, A.2, A.1, A. The drawing shows a classroom with a door at the top right, labeled "VEST. C230A". The classroom contains several rows of desks and chairs, labeled "GEN. CLASSROOM (231)" and "GEN. CLASSROOM (233)". There are also two "OPEN RESEARCH LAB" areas, labeled "235" and "236". The drawing includes numerous annotations for shade motors, shades, and power panels. Red dashed lines indicate the location of shade motors and shades. Blue dashed lines indicate the location of power panels. Annotations include "QTY. (2) SHADE MOTORS", "(3) DOUBLE SHADES", "(5) DOUBLE SHADES", "(4) DOUBLE SHADES", "MATCH MATERIAL AT INTERIOR-TYPE GRAY TONE", "ALIGN JOINTS AND MULLIONS (TYP)", "EXTEND SHADES AND POCKET TO WALL", "LOCATE SHADE POWER PANEL ABOVE CEILING NEAR DOOR I", "1/ A0841 SIM", "12/ A0842", "2/ A0841", "5/ A0842", "3-2 1/4\"", "VEST. C250A", "CORR C230", "APC-8 9'-6\"", "GWB-1 9'-8\"", "C.13", "C.15", "C.22", "SA-L1 11'-2\"", "11'-0\"", "3'-0\"", "1'-0\"", "MATCH SA-L1", "1/ A0841 SIM", "12/ A0842", "2/ A0841", "5/ A0842", "3-2 1/4\"", "VEST. C250A", "CORR C230", "APC-8 9'-6\"", "GWB-1 9'-8\"", "C.13", "C.15", "C.22", "SA-L1 11'-2\"", "11'-0\"", "3'-0\"", "1'-0\"", "MATCH SA-L1".

LOW-VOLTAGE LUTRON SPEC. CABLE RAN FROM SHADE POWER PANEL LOCATION. POKE THROUGH DRYWALL. COORDINATE FINAL LOCATION WITH SHADE INSTALLER

7"

2"

1 1/4" TYP

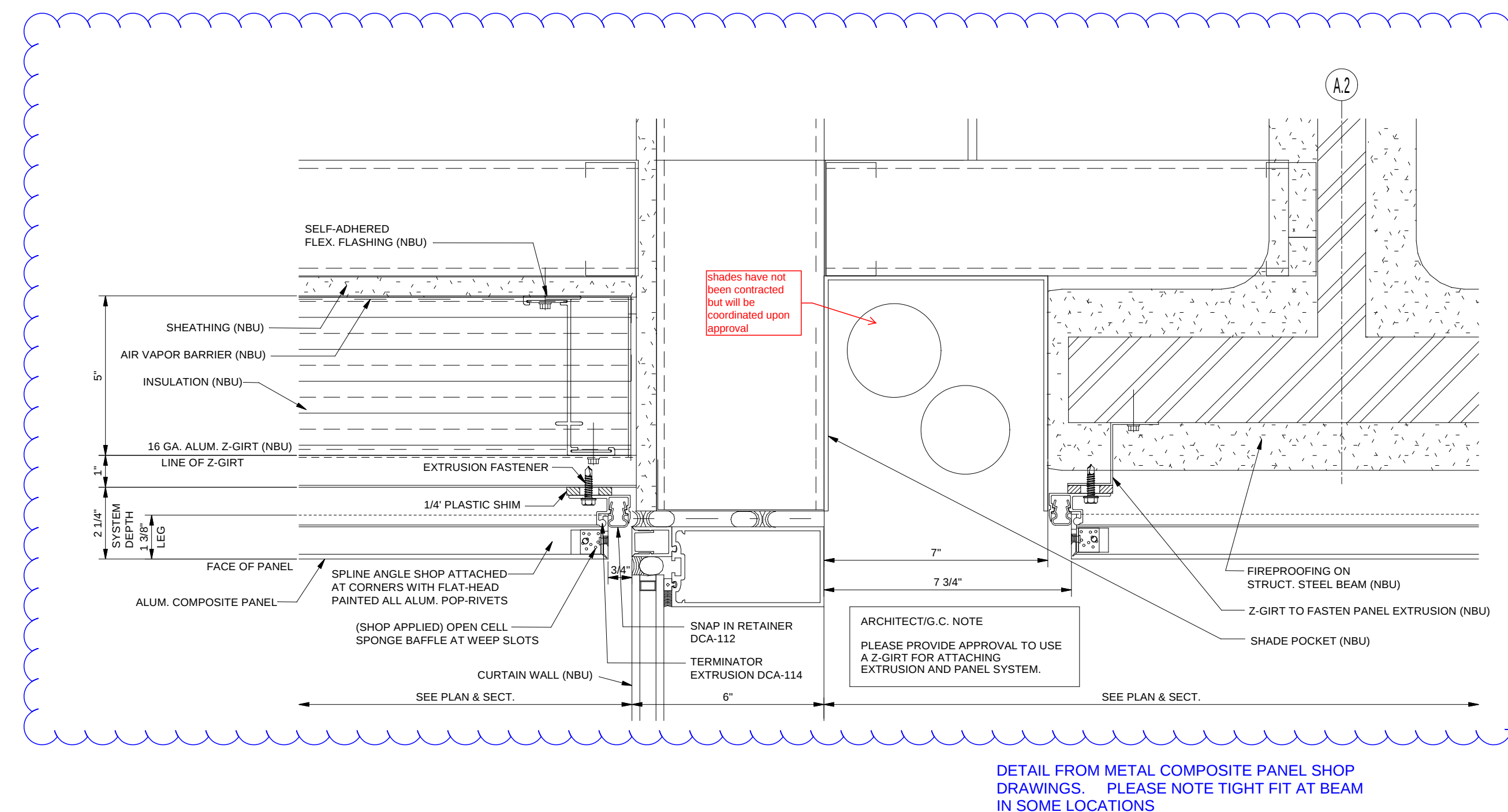
12 2413
MANUAL OR MOTORIZED WINDOW SHADES- SEE KEYNOTES ON RCP AND SHADE SCHEDULE IN SPECIFICATION SECTION FOR TYPE

12 2413
CONTINUOUS ALUM. POCKET W/ 2" CLOSURE -

092900 - GYP. BOARD
SUSPENDED GYP BOARD SOFFIT AT PERIMETER

(TYP. ROOMS: 231, 233 & 235)

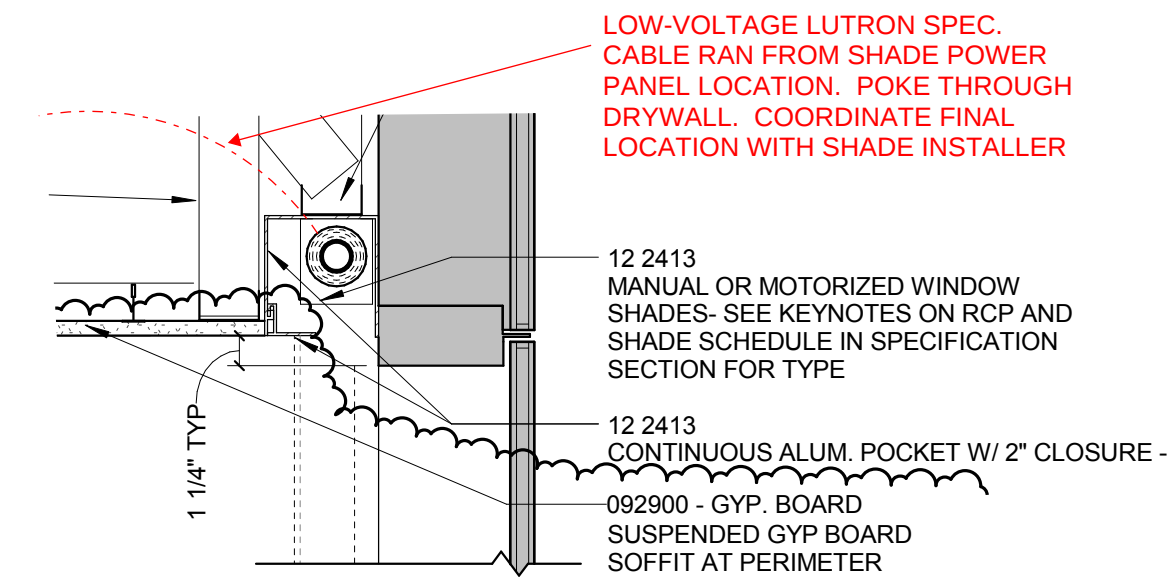
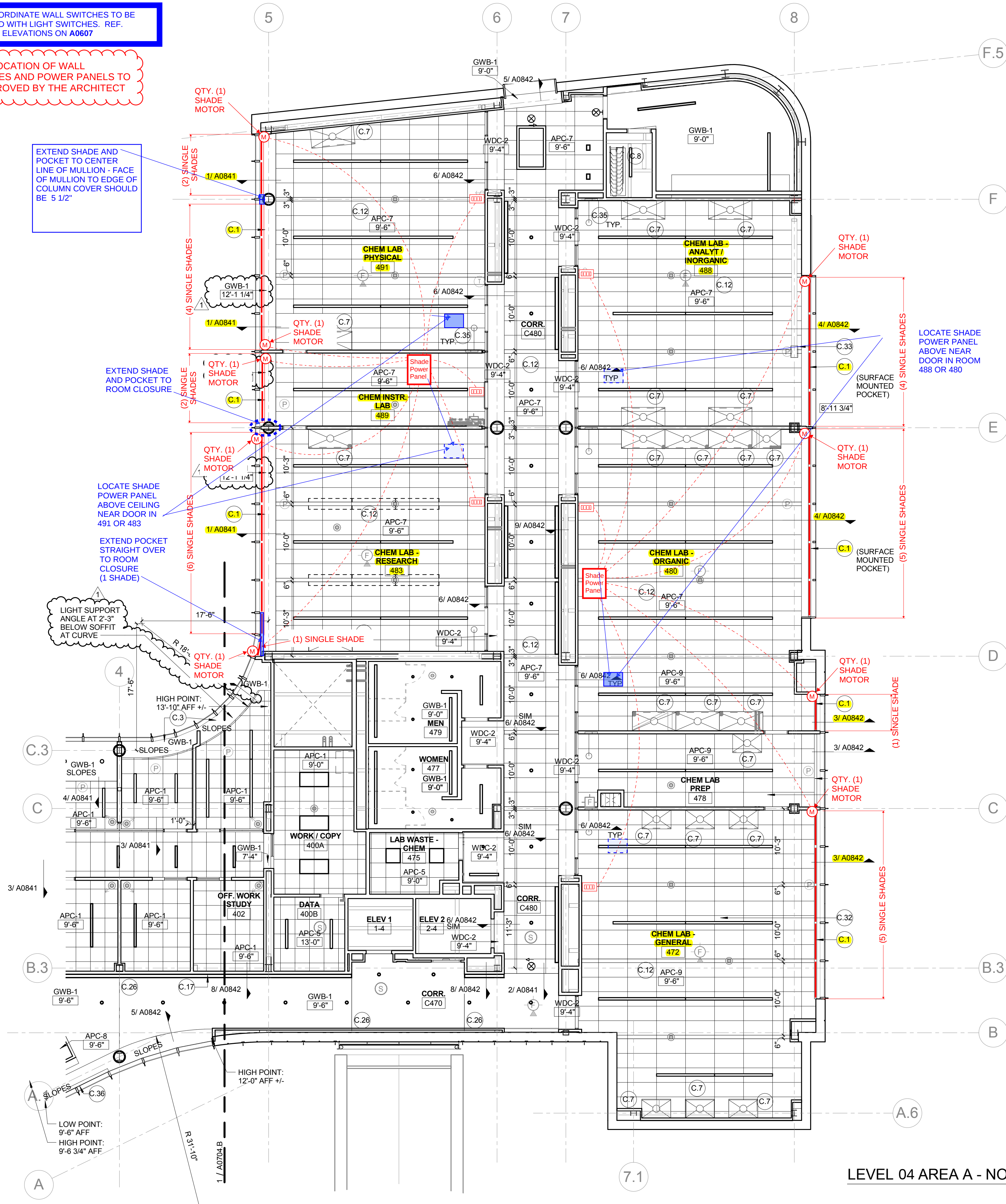
C.15 122413 TYPE 5 MOTORIZED DOUBLE ROLLER SHADE IN RECESSED POCKET.



CM - COORDINATE WALL SWITCHES TO BE LOCATED WITH LIGHT SWITCHES. REF. TYPICAL ELEVATIONS ON A0607

FINAL LOCATION OF WALL SWITCHES AND POWER PANELS TO BE APPROVED BY THE ARCHITECT

EXTEND SHADE AND POCKET TO CENTER LINE OF MULLION - FACE OF MULLION TO EDGE OF COLUMN COVER SHOULD BE 5 1/2"



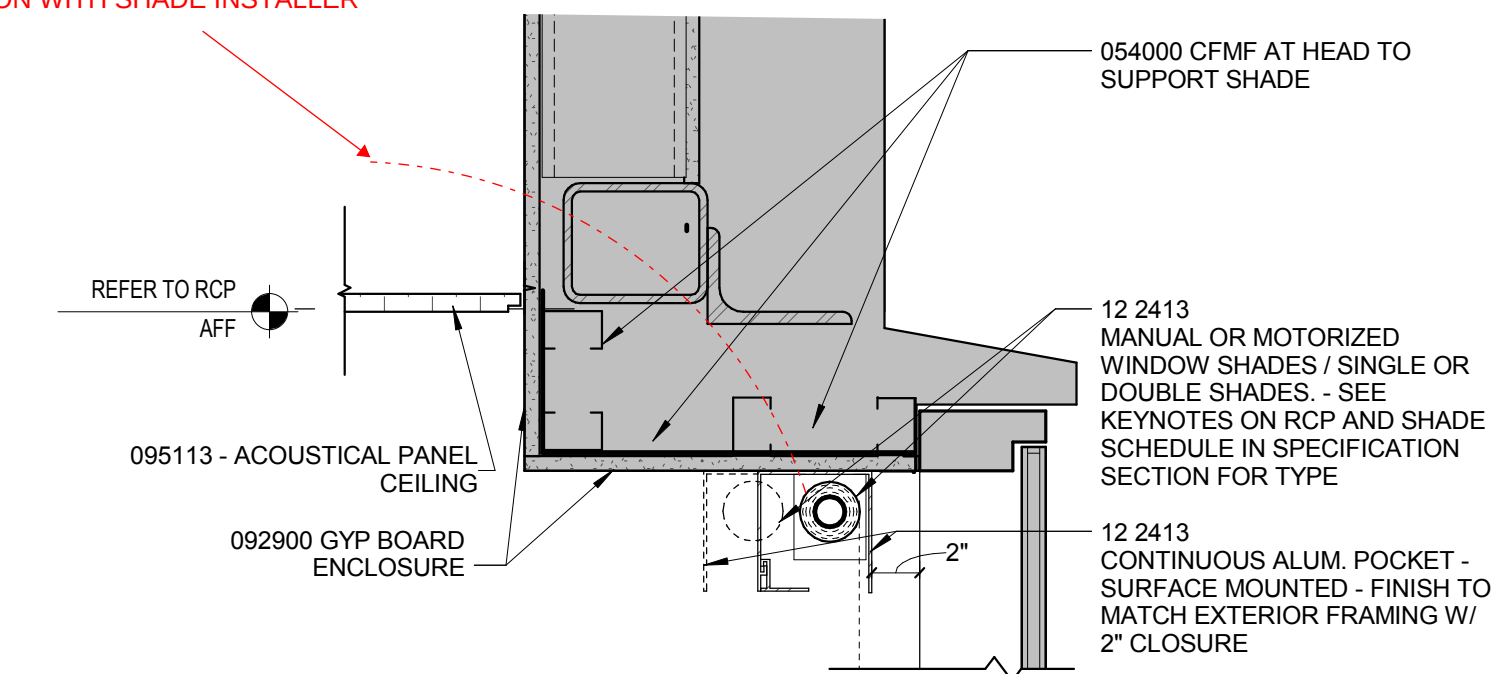
1 A0841 1 1/2\"/>

(TYP. ROOMS: 483, 489 & 491)
122413 TYPE 1 SHADES: MOTORIZED ROLLER SHADES IN COUNTINUOUS RECESSED POCKET (CFCI)

CM COORDINATE ROUTING OF CABLE WITH CURRENT FRAMING

LOW-VOLTAGE LUTRON SPEC. CABLE RAN FROM SHADE POWER PANEL LOCATION. POKE THROUGH DRYWALL. COORDINATE FINAL LOCATION WITH SHADE INSTALLER

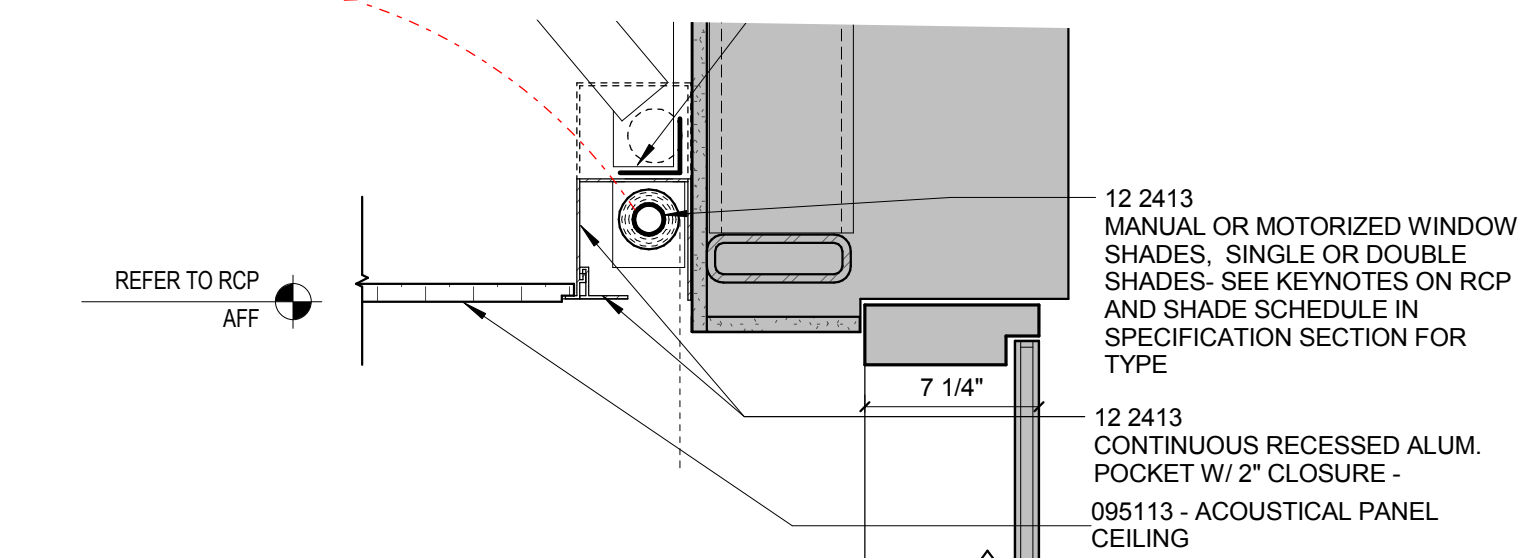
CM COORDINATE ROUTING OF CABLE AND LOCATION OF SHADE WITH CURRENT FRAMING



4 A0842 1 1/2\"/>

(TYP. ROOMS: 480 & 488)
122413 TYPE 1 SHADES: MOTORIZED ROLLER SHADES IN COUNTINUOUS RECESSED POCKET (CFCI)
SHADE IN CONTINUOUS POCKET PER DETAILS - CUSTOM COLOR - MATCH SHERWIN WILLIAMS SW 7075 WEB GRAY

LOW-VOLTAGE LUTRON SPEC. CABLE RAN FROM SHADE POWER PANEL LOCATION. POKE THROUGH DRYWALL. COORDINATE FINAL LOCATION WITH SHADE INSTALLER



3 A0842 1 1/2\"/>

(ROOMS: 472, 480)
122413 TYPE 1 SHADES: MOTORIZED ROLLER SHADES IN COUNTINUOUS RECESSED POCKET (CFCI)

LEVEL 04 AREA A - NORTH FLOOR PLAN



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Sheet Title:

FOURTH FLOOR PLAN
MOTORIZED WINDOW
SHADES

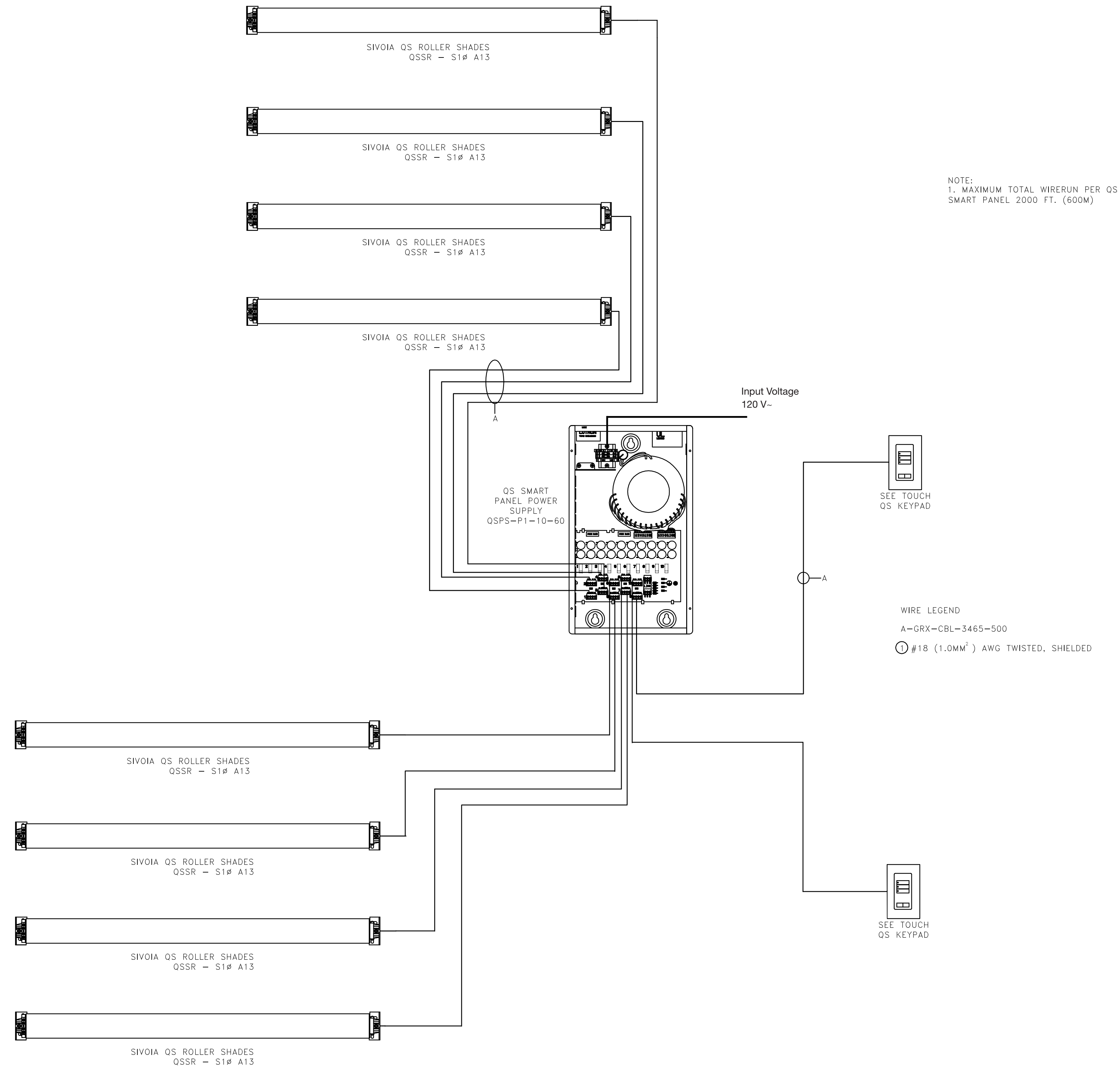
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5 OF 6

Issue Date:



GRX-PCBL-346S Cable

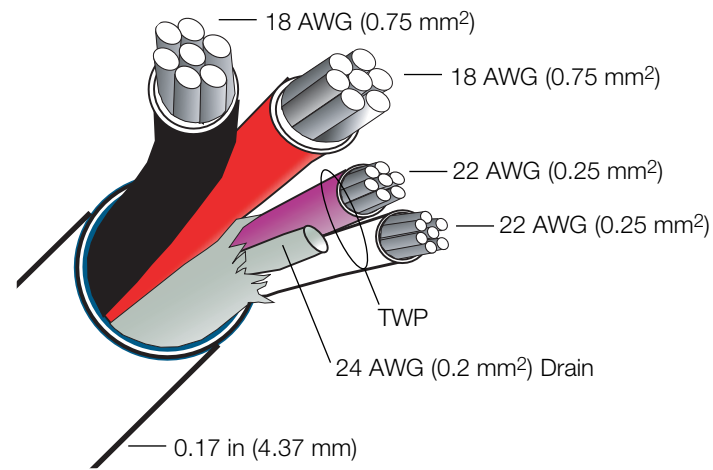
Plenum rated cable for use with the following Lutron systems:

- GRAFIK Eye® 3000
- GRAFIK Eye® QS
- Energi Savr Node™

- Plenum rated for use in ceilings and enclosures that are also used by the building air distribution system to transport environmental air.

Specifications

- Listed as type CL3P (Class 3 Plenum Cable) or CMP cULus.
- Available in 500 ft (150 m) spool.
- Five conductors:
 - Common – 18 AWG (0.75 mm²)
 - Power – 18 AWG (0.75 mm²)
 - MUX Data – 22 AWG (0.25 mm²)
 - MUX Data – 22 AWG (0.25 mm²) } Twisted wire pair
 - Drain Wire – 24 AWG (0.2 mm²)
- Total Outer Jacket Diameter: 0.17 in (4.37 mm).
- 300 V Rated.
- Plenum sheath, 75 °C rated.
- UL Listed.
- Rated FT6.
- cULus or CSA Listed.
- Capacitance of 22 AWG (0.25 mm²) Twisted Wire Pair:
 - Conductor to shield: 48 pF/ft max
 - Conductor to Conductor: 25 pF/ft max



QS Smart Power Panel Link Rules

The following QS Smart Power Panel Link rules must be observed for proper operation:

- Maximum of 100 devices per each QS Link (such as a GRAFIK Eye® QS, seeTouch® QS keypad, QS Smart Panel power supply, or Sivoia® QS shade drive unit) due to 100 available link addresses
Note: Each QS Smart Panel power supply counts as 1 of the 100 allowed devices
- Maximum 600 m (2000 ft) of cable inter-connecting multiple QS Smart Panel power supplies.
Note: When inter-connecting multiple QS Smart Panel power supplies, the 3-pin communication link MUST be used. These panels CANNOT be inter-connected using one of the 4-pin outputs.
- Maximum 600 m (2000 ft) of cable to devices from each QS Smart Panel power supply (all 10 outputs combined)
- Only use cable with at least one twisted/shielded pair for communications (MUX and MUX)
Note: Secondary wiring must be of type CL2, CL2P, CL2R, CL2X or other cable with equivalent or better electrical, mechanical, and flammability ratings in accordance with local and national electric code.

Wiring Guidelines for Smart Power Panel Outputs (x10)					
Maximum devices per one output (panel provides up to 10 outputs)*		Maximum distance per one output based on wire gauge***			
Shades	+ Devices	Pins 1 and 2 (Voltage and Common)			
		12 AWG 4 mm²	16 AWG 1.5 mm²	18 AWG 1 mm²	
None	Up to 50 power draw units**	375 m (1250 ft)***	150 m (500 ft)***	75 m (250 ft)***	
None	Up to 25 power draw units**	600 m (2000 ft)***	300 m (1000 ft)***	175 m (600 ft)***	
1 Sivoia® QS shade	Up to 1 power draw unit**	150 m (500 ft)***	60 m (200 ft)***	35 m (125 ft)***	
2 Sivoia® QS roller 64, ≤ 30 sq ft (2.75 sq m) each		60 m (200 ft)***	20 m (75 ft)***	15 m (50 ft)***	
3 Sivoia® QS roller 64, ≤ 20 sq ft (1.8 sq m) each					
2 Sivoia® QS roller 100, ≤ 50 sq ft (4.6 sq m) each					

Important Notes:

* Maximum of 99 additional devices combined across all 10 outputs.

** One Power Draw Unit (PDU) = 1 QS wall station. See document 369405 for a list of PDUs per product.

*** Maximum 600 m (2000 ft) of cable for all 10 outputs combined.



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Sheet Title:

MOTORIZED WINDOW SHADES
TYPICAL WIRING DIAGRAM

Project Number:

Sheet Number:

Drawn By:

6 OF 6

Issue Date:



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TRANSMITTAL

No. 15051-0387

Paric Corporation

PROJECT: 15051-Webster University Interdisciplinary Science Building

DATE: 12/19/2016

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

Fax;
314-241-2203

RE: Motorized Roller Window Shades Shop
Drawings

ATTN: Kelvin Patel

JOB: 15051

WE ARE SENDING:	SUBMITTED FOR:	ACTION TAKEN:
☒ Shop Drawings	☒ Approval	☐ Approved as Submitted
☐ Letter	☐ Your Use	☐ Approved as Noted
☐ Prints	☐ As Requested	☐ Returned After Loan
☐ Change Order	☐ Review and Comment	☐ Resubmit
☐ Plans		☐ Submit
☐ Samples	SENT VIA:	☐ Returned
☐ Specifications	☐ Attached	☐ Returned for Corrections
☐ Other:	☐ Separate Cover Via:	☐ Due Date:

Item	Package	Code	Rev.	Copies	Date	Description	Status
Submittal		122413-006	1		12/19/2016	Motorized Roller Window Shades Shop Drawings	Submitted

NOTES:

CC:

Signed: _____
Devin Gates