

Bullitt County Public Schools

1040 Highway 44 East Shepherdsville, Kentucky 40165

502-869-8000 Fax 502-543-3608 www.bullittschools.org

MEMO:

TO:

Mr. Jesse Bacon

FROM:

Bret Highley

DATE:

August 15, 2018

RE:

Maryville Gym -Acoustical Panels

On February 26, 2018 the Bullitt County Board approved Change Order #2.7 for installing an 24" acoustic strip around the perimeter of the Maryville Elementary School gym. With further review by Bill Khourie, WNK & Associates/Cardinal Acoustics, it was determined that a better product is needed.

At this time, I am presenting for the Board's approval Change Order #28 for \$1,370.77. This will increase Parco's purchase order to \$6,894,063.02

If you have any questions, please call me at 502-921-3659.

Attachments:

- AIA Document
- Project Breakdown/Cost





Change Order

PROJECT: (Name and address)
Maryville Elem School Addition / Renov.

4504 Highway 44 East Shepherdsville, Kentucky 40229

OWNER: (Name and address)
Bullitt County Board of Education
1044 Highway 44 East

Shepherdsville, KY

CONTRACT INFORMATION:

Contract For: General Construction

Date: August 17, 2015

ARCHITECT: (Name and address)

Sherman Carter Barnhart Architects PLLC

2405 Harrodsburg Road Lexington, KY 40504 CHANGE ORDER INFORMATION:

Change Order Number: 028 Date: August 15, 2018

CONTRACTOR: (Name and address)

Parco Construction Company 2521 Ridgemar Court

Louisville, KY 40269-0339

THE CONTRACT IS CHANGED AS FOLLOWS:

(Insert a detailed description of the change and, if applicable, attach or reference specific exhibits. Also include agreed upon adjustments attributable to executed Construction Change Directives.)

Provide 2" acoustic wall panel in lieu of 1" acoustic wall panel in gymnasium which was approved by change order 27. Increased thickness will provide NRC.90.

The original Contract Sum was
The net change by previously authorized Change Orders
The Contract Sum prior to this Change Order was
The Contract Sum will be increased by this Change Order in the amount of
The new Contract Sum including this Change Order will be

The Contract Time will be unchanged by Zero (0) days. The new date of Substantial Completion will be

\$ 6,610,528.00 \$ 282,164.25

6,892,692.25

1,370.77 6,894,063.02

NOTE: This Change Order does not include adjustments to the Contract Sum or Guaranteed Maximum Price, or the Contract Time, that have been authorized by Construction Change Directive until the cost and time have been agreed upon by both the Owner and Contractor, in which case a Change Order is executed to supersede the Construction Change Directive.

NOT VALID UNTIL SIGNED BY THE ARCHITECT, CONTRACTOR AND OWNER.

Sherman Carter Barnhart Architects PLLC	Parco Construction Company	Bullitt County Board of Education
ARCHITECT (Firm pame)	CONTRACTOR (Eigm name)	OWNER (Firm name)
Manter	They make	
SIGNATURE	SIGNATURE	SIGNATURE
Mitch Hunter, Constr. Admin	long Inellen	
PRINTED NAME AND TITLE	PRINTED NAME AND TITLE	PRINTED NAME AND TITLE
August 15, 2018	August 16, 2018	
DATE	DATE	DATE

FACPAC Contract Change Order Supplemental Information Form (Ref# 49937)

Form Status: Saved

Project: Maryville Elementary School - Addition/Renovations

BG Number: 15-106 (Imported Project) District: Bullitt County (071)

Status: Active Phase: No Data

Contract: PARCO CONST. GROUP, LLC, 00 Type: General Contractor

Change Order Number 28 Time Extension Required No Date Of Change Order 8/15/2018 Change Order Amount To Date Increase

Construction Contingency

Calculations below are project wide. Remaining negative Construction Contingency may require the submission of a revised BG1.

Current Approved Amount: \$491,857.85

Net Approved COs: \$248,743.55 Remaining After Approved \$243,114.30

Net All COs: \$250,114.32 Remaining After All COs: \$241,743.53

This Requested Change Order Amount \$1,370.77

Change In A/E Fee This Change Order \$85.67

Change In CM Fee This Change Order

Remaining Construction Contingency \$236,446.77

Balance

Contract Change Requested By General Contractor Contract Change Reason Code Expansion of Scope

Change Order Description And Justification

Provide 2" acoustic wall panel in lieu of 1" acoustic wall panel in gymnasium which was

approved by change order 27.

Increased thickness will provide NRC .90

Cost Benefit To Owner Price is fair and reasonable

Contract unit prices have been utilized No to support the cost associated with this change order.

Detailed Cost Breakdown

Contract unit prices have not been utilized, provide a detailed cost breakdown which separates labor, material, profit and overhead.

Detail Item	Amount	Percent of Total
Labor		0.00 %
Materials	\$1,370.77	100.00 %
Profit and Overhead		0.00 %
Bond Insurance		0.00 %
Cost Breakdown Total:	\$1,370.77	

Cost for this Change Order supported No by an alternate bid or competitive price

quote

Change Order Supplimental Information Form Signature Page (Online Form Ref# 49937)

Melunter

August 15, 2018

8-15-18

Architect

Date

Construction Manager

Date

Finance Office

Date

Local Board of Education Designee

Date

Parco Constructors Group, LLC

General Contractor 2521 Ridgemar Court P.O. Box 99339 Louisville, Kentucky 40299 (502) 266-7877 Fax (502) 266-9114

Mr. Mitch Hunter Sherman-Carter-Barnhart, PSC 2405 Harrodsburg Road Lexington, KY 40504 Phone: (859) 224-1351

e-mail: mhunter@sebarchitects.com

July 17, 2018

Re: Maryville Elementary School BG #15-106 SCB PRN # 014 Gym Acoustical Wall Panels Parco- RFP #1535-37R2 (Revised)

Dear Mitch:

Pursuant to your request for pricing associated with furnishing & installing 2" Cardinal Acoustical Wall Panels in accordance with PRN # 014. The cost associated with the installation of the Acoustical Wall Panels is in the amount of \$32,048.65. Please see the attached backup & pricing breakdown below.

Breakdown:		(Self-Perfo	ormed Work)	
			Equipment/	
Contractor	Subcontracted	Materials	Labor	Total
Parco Constructors Group; LLC				
Protection of Gym Floor		\$ 416.44	\$ 1,813.92	\$ 2,230.36
Fabri-Tough Wall Panels		9,499.00	12,092.80	21,591.80
Freight for Cardinal Wall Panels		875.00	NA	875.00
Z Clips, Anchors, Etc.		630.00	Incl. Above	630.00
Scissors Lift/Mobilizations		NA	1,220.00	1,220.00
KY Sales Tax		721.23	NA	721.23
Total Direct Costs		\$12,741.67	\$15,126.72	\$27868.39
15 % Mark-up on Self-Performed Work				4,180.26
Total Change Amount				\$32,048.65

Note: With 1,631 s.f. of the 2" Cardinal Acoustical Wall Panel the estimated Reverberation time will be approximately 3 seconds which be a considerable reduction in the echo. The above pricing is based on utilizing the Cardinal standard white painted Wall Panels.

I hope the above proposal meets with your approval. If you have any questions or need any additional information please give me a call.

Respectfully,

Tony Snellen

President/Project Manager

\$32,048.65 (REVISED PANELS) 430,677.88 (Approved CO#27)

1,370.77

CHANGE

Parco Constructors Group, LLC

General Contractor

2521 Ridgemar Court P.O. Box 99339 Louisville, Kentucky 40299 (502) 266-7877 Fax (502) 266-9114

Mr. Mitch Hunter Sherman-Carter-Barnhart, PSC 2405 Harrodsburg Road Lexington, KY 40504 Phone: (859) 224-1351

e-mail: mhunter@scbarchitects.com

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Respectfully,

Tony Snellen

President/Project Manager

Joney Smill

	COST ANALYSIS Parco Constructors Group, LLC			LLC		SHEET			
	F150			-					
	PROJECT						DATE		17-Jul-1
	MARYVILLE ELEMENTARY SCHOOL	RFP # 1535-	37		2nd Revision				3:16 PI
	SECTION					EQUIP	MENT/		0.107.
	GYM WALL SOUND PANELS			MATE	ERIAL	LAB	OR	TOTAL	COST
	DESCRIPTION	QUANTITY	UNIT	Unit	TOTAL	Unit	TOTAL	Unit	TOTAL
1	2" Cardinal Acoustical Wall Panel (59) 4' x 7'	1,652	SF	5.75	9499.00		0.00	5.75	9499.0
2	3" Tap-Cons	2,100	EA	0.30	630.00		0.00	0.30	
3	Freight	1	LS	875.00	875.00		0.00	875.00	
4	Floor Protection- Rhino Bd. (38" x 50')	4	Rolls	29.95	119.80		0.00	29.95	
5	3/4" Plywood	8	SHTS	37.08	296.64		0.00	37.08	
6	Carp. Foreman/Carpenter/ Laborer (CF/C/L)	12	HRS		0.00	151.16		151.16	
7	Misc. Anchors, Drill Bits, Etc.	1	LS	600.00	600.00		0.00	600.00	600.0
8	Mobilize Equipment-	2	EA		0.00	110.00	220.00	110.00	220.00
9	Scissors Lift- 3226	2	EA		0.00	500.00	1000.00	500.00	1000.00
10	Installation- CF/C/L (11) days x 24 mhrs	80	HRS		0.00	151.16	12092.80	151.16	12092.80
11					0.00		0.00	0.00	0.00
12					0.00		0.00	0.00	0.00
14					0.00		0.00	0.00	0.00
15					0.00		0.00	0.00	0.00
16					0.00		0.00	0.00	0.00
17					0.00		0.00	0.00	0.00
18					0.00		0.00	0.00	0.00
19					0.00		0.00	0.00	0.00
20					0.00		0.00	0.00	0.00
	TOTALS				\$ 12,020.44		\$ 15,126.72	3.30	\$ 27,147.16
	SALES TAXES				\$ 721.23		,		\$ 721.23
	TOTAL ESTIMATED COST				\$ 12,741.67		\$ 15,126.72		\$ 27,868.39

Tony Snellen

From:

William Khourie < wnkhourie@gmail.com>

Sent:

Monday, July 16, 2018 3:37 PM

To: Cc: Tony Snellen David Duncan

Subject:

Re: Maryville Elementary Gym Acoustical Wall Panels

Attachments:

MaryvilleElementarySchool2.pdf

Tony

Thanks for your email. I have reviewed your design and I agree that running the panels (84" in length) vertically up the wall would work nicely. It would be the best way to lower the sound and by far the easiest installation. You can directly screw the 2" Cardinal Complete acoustical panels to the wall with 3" painted tapcon screws. Although the design does limit the amount of square footage, it still will lower the reverberation or noise level by almost 60 percent. I feel all areas are doable without having to cut any panels in the field. In addition, if wanted, you may be able to add 63 square feet in area G. Based on using our standard width panels (48") and if you exclude area G, you should only order 57 panels - 2" x 4' x 8'.

Ordering 57 - 2" x 48" x 96" Cardinal Complete panels, bevel / bevel and painted with our standard white would cost you \$ 9,177.00 (total square footage of 1,596). If we add the 63 square feet (area G) your cost goes up to \$ 9,539.25 (total square feet of 1,659).

THIS PANEL YIELDS AN NRC (noise reduction) OF .90. This panel will absorb more sound than any other panel at a cost of \$ 5.75 s/f. I have attached a new reverberation report for your review. The ending sound will probably come out a little lower because people actually absorb sound so if you have 50 or so in the gymnasium, the sound will probably be closer to 2.7 to 2.8 seconds.

Based on the amount of panels (57) you will need 8 boxes of painted white 3" tapcon screws. The cost for these is \$ 600.00

Crating and freight will run \$ 875.00.

Your total cost (not including tax) works out to \$10,627.00 and please remember, you going down to under 3 seconds. The 500 square feet that you had ordered of fabric panels would have cost you \$10,479.00 and the existing reverb time of 7.4, would have only dropped to 5.3.

I noticed that the architects are calling out for a certain type of white paint. The Cardinal acoustical panels can be painted three times and not lose any absorption. If you want to go with a particular custom white paint the cost increase will be an additional \$ 2.700.00. There would be no set up fee.

Production is 2 to 3 weeks depending when the order comes in. I would be happy to come down and go over all the information with you and the school if you want .

Thanks again and call me if you have any questions

Bill Khourie

WNK & Associates / Cardinal Acoustics

wnkhourie@gmail.com 888 442 6788

On Thu, Jul 12, 2018 at 12:36 PM, Tony Snellen < tony@parcoconstruction.com > wrote:

Bill,

See attached. What are your thoughts on this layout. Attempting to keep walls somewhat balanced in appearance and also eliminate as much as possible the cutting & fitting around items on the walls. The panels would also need to the color of the wall as we were doing with the fabri-tough panels. I can provide you with the PPG paint color. And I would prefer they cut all panels down to the 7' height so those edges are also painted even though they will not be seen @ the top. Please provide pricing & spacing & layout for fastening panels to the wall.

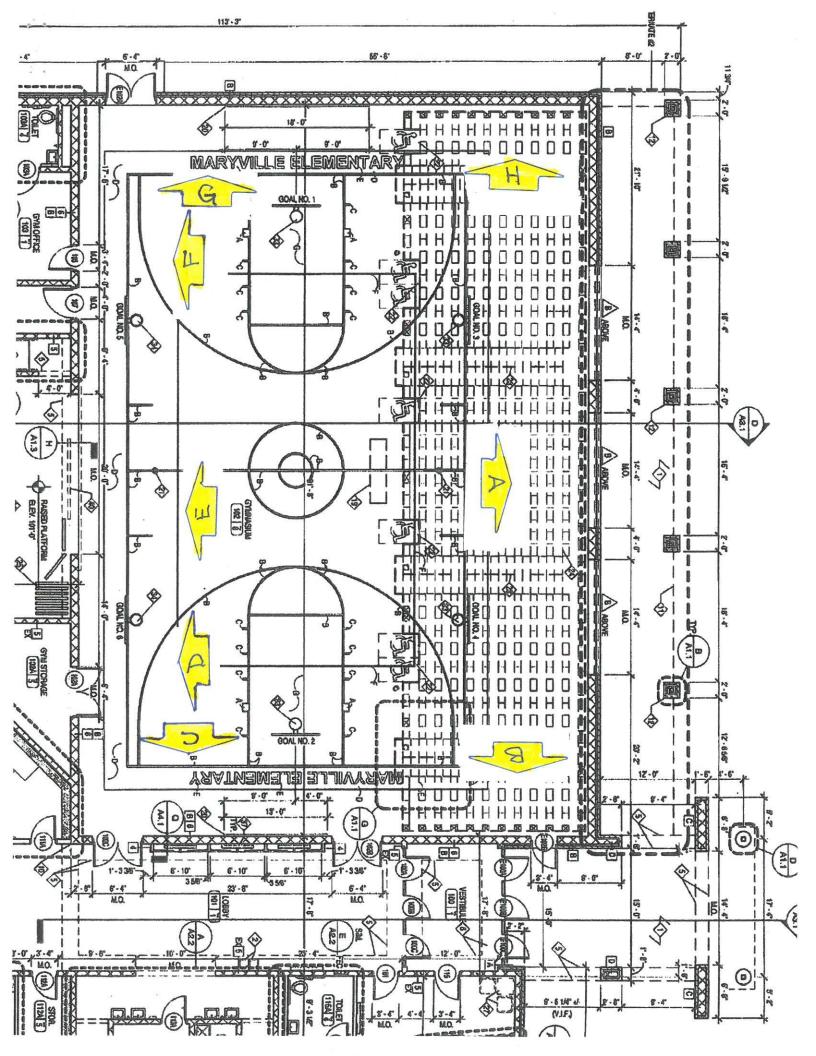
Tony

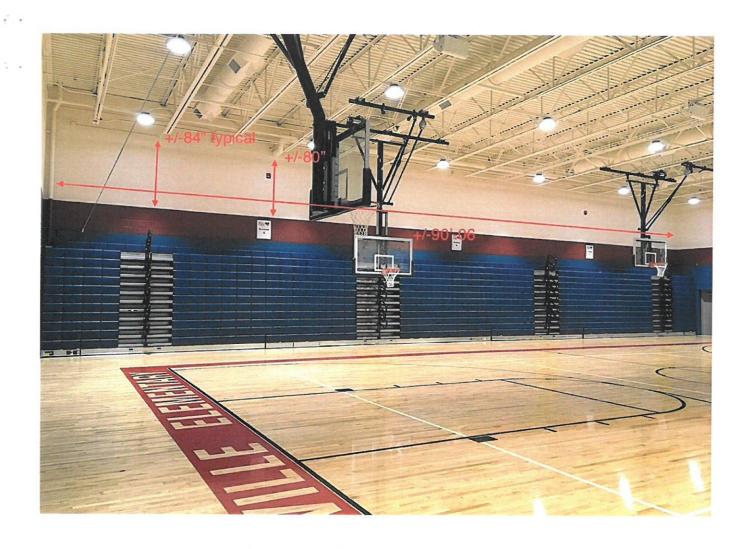
Cardinal Acoustics

Please insert information into yellow boxes.

Reverberation Time Calculation

Project:	Maryville Elem	entary School	ol					_	Date 7/13/18	
	Louisville, Ken	tucky						_		
	Louisville, Keri	писку						-		
								-		
	T					_				
	Type of Room	i (Gym, Pod	i, Audito	rium,	Etc.):	Gymnasi	um			
Room Dim	ensions									
KOOM DIM	Length				92	64				
	Width				64					
	Height				26					
	g					/ι.				
	Room Volume	$e(V = L \times W)$	x H)		153088	cubic fee	t			
		2011	•							
Area Calcu	<u>llations</u>	length by w	ridth		Area in sq.	ft.				
	Ceiling				5888					
	Floor				5888					
	Walls				8112					
	Other surface	s			0					
A h = = == 4! = =	066-14-									
Absorption	Coefficients Painted Wood			0.00						
	VCT	1		0.02		Concrete			0.02	
	Brick & Block			0.02		Conc Blk		4- D#-	0.05	
	Glass			0.02 0.04		Painted C			0.07	
	Wood			0.04			пас	e of a Pool	0.01	
	Steel (Metal R	oof Deck)		0.01		Carpet Gypsum i	Poo.	rd	0.30	
	otoer (metal 11	oor Deen)		0.01		Зур зин і	DUa	ru	0.06	
		Absorption			Area			Total		
Area	Material	Coefficient			Quantity			Absorption		
Ceiling	Metal	0.02	X		5888			117.76		
Floor	Wood	0.06	x		5888			353.28		
Walls	Concrete	0.07	X		8112			567.84		
Other surfa	ices		X		0			0		
		C	Current A	bsor	otion		A=	1038.88	Sabins	
Fating stool 1	F		- /							
	Existing Rever		ne T=(.05	x V)/	'A				Seconds	
Desirea Re	verberation Ti	me (DI)						3	Seconds	
Absorption	Required, AR	=(05 × \/\/D1	-					2552	Cabina	
	Additional Unit							1513.12	Sabins	
_ounated /	-taditional onit	is meeded						1313.12	Sabins	
Estimated s	square footage	e / panels ne	ed to ach	ieve	desired rev	erb time				
	,	,				0.0 00				
		C	A NRC		0.9			1682	Sq.Ft.	
	All testing per			Labs					percentage and	
					<u>Length</u>	Width				
	(Panel size in	feet) F	Panel Size	e =	7	4	9	61	Panels	





A

90' x 7' = 630 SF

		1
ELEV.	ACOUSTICAL WALL PAVEL	SF
A	90'x.7'	G30
B	28'x7'	196
C	16'x7	112
D	24'27'	168
E	24'x7'	168
F	24'x7'	168
G		
H	27'x7	189
	TOTAL	1,631

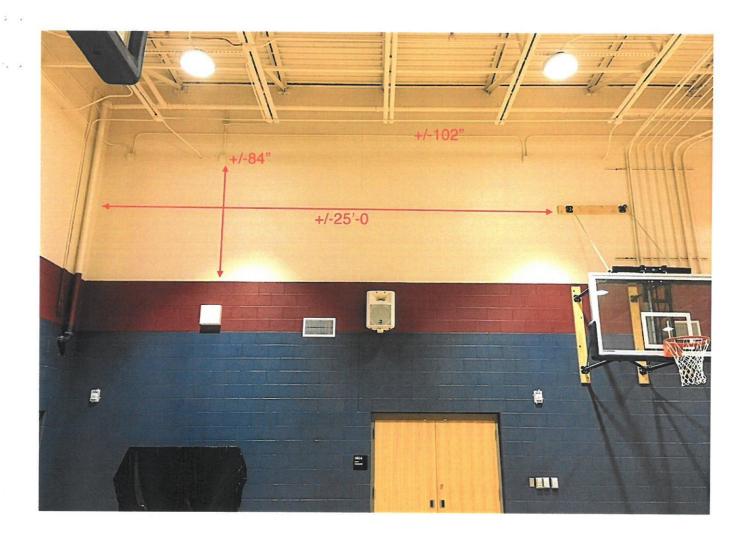


B

28' x 7' = 196 SF

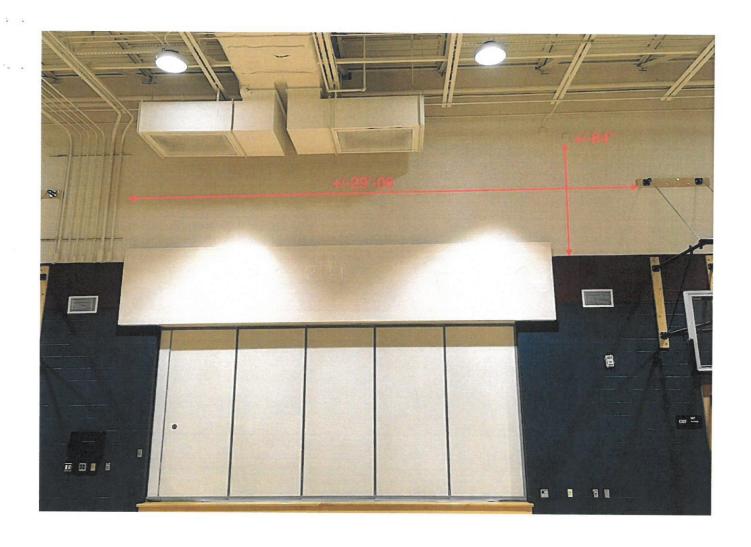


16 × 7 = 112 SF



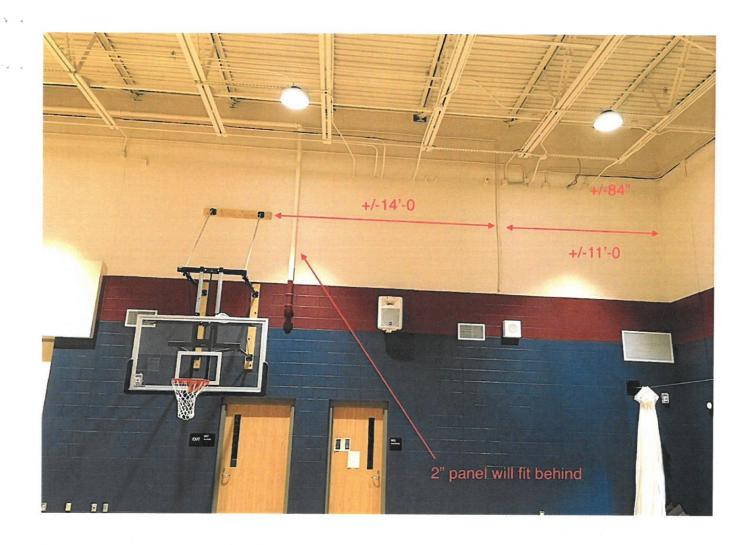
D

24'x7'= 168 SF



E

24'x7' = 168 SF



F

24' x 7' = 168 5F



G



H

27' × 7' = 189 SF

Item/Area Manufacturer/Line Color/Finish

RFG 6 Gymnasium 102

Floor

Wood Floor **TBD**

Gym Striping TBD

6" Vented Rubber Black

Walls Field

SW6140 Moderate White Sherwin Williams Accent "A" (Stripe) Sherwin Williams SW7602 Indigo Batik Accent "B" (Stripe) Sherwin Williams SW7592 Crabby Apple

289

Bleachers Hussey Seating 289 Dark Blue

Ceiling

Exposed Structure-Paint Sherwin Williams SW6140 Moderate White

RFG 7

Ramps 108, 176; Stairs A, B

12"x12" Raised Radial Rubber Tile Roppe 129 Dolphin

Base

4" Resilient Base Roppe 129 Dolphin

Walls

Field - Gyp/CMU Sherwin Williams SW6140 Moderate White

Ceiling

Varies - See Reflected Ceiling Plans

Stairs, Handrails, Guardrails Sherwin Williams SW7025 Backdrop