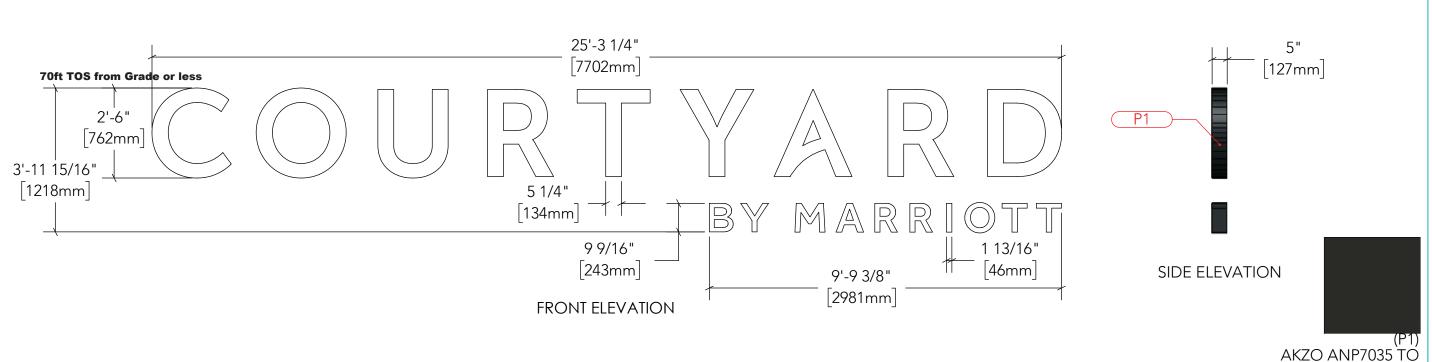
DESIGN SPECIFICATIONS FL Building Code 2020 7th Edition ASCE 7-16 Minimum Design Loads for Buildings & Other Struc ACI 318-14 Building Code Requirements for Structural Co ANSI/AISC 360-16 Specification for Stuctural Steel Buildings **DESIGN LOADS** 120 mph Wind **V** = Exposure C

Risk Cat.

COURTYARD BY MARRIOTT

NIGHT VIEW





Digitally signed by Jere Murdoch, PE Date: 2023.03.08

1:3

1:4

1:6

1:8

12.04.22 05'00'

Product operation is a month of signed probables and the eight of on any electronic cooler.	150477-0500	1:12
O BEAR RS LABEL	100-277 VOLTS	1:16 1:24
ED TO BE INSTALLED E REQUIREMENTS OF ONAL ELECTRICAL PPLICABLE LOCAL OPER GROUNDING F THE SIGN.	NOTICE TO SIGN INSTALLER: THE VOLTAGE AT THIS SIGN MUST BE BETWEEN 100 & 277 VOLTS FOR THIS SIGN TO OPERATE PROPERLY. NOTE: SPLICE CONNECTION BOX AND TRANSFORMER MUST NOT BE EXPOSED TO OUTSIDE WEATHER CONDITIONS.	1:32 1:48 1:64 1:96
<u>ULN</u> S rated for use in w	OTE ET OR DAMP LOCATIONS ONLY	1:12 1:19

COLUMBIA SC 29203

P 803 926.7926 THIS IS AN ORIGINAL UNPUBLISHED DESIGN CREATED BY COLITE. IT IS SUBMITTED FOR YOUR PERSONAL USE IN CONNECTION WITH THE PROJECT PLANNED FOR YOU BY COLITE. IT IS NOT TO BE SHOWN TO ANYONE OUTSIDE YOUR ORGANIZATION NOR IS IT TO BE USED, REPRODUCED, COPIED, OR EXHIBITED IN ANY FASHION WHATSOEVER. ALL OR ANY PART OF THIS DESIGN (EXCEPTING REGISTERED TRADEMARKS) REMAIN THE PROPERTY OF COLITE.

VIEWS WITH SCALES DIFFERENT THAN THE STATED SHEET SCALE WILL DISPLAY SPECIFICALLY IN THAT VIEW

DRAWING NUMBER

CYTD-LTR-508-IL-EX-042H

TITLE

Letterset Details

SIGN TYPE

Letterset

CUSTOMER

Courtyard by Marriott

3004 W US Hwy 90 Lake City, FL 32055

DATE

MATCH PMS 426 C

1'' = 1'0''

6'' = 1'0'

4'' = 1'0'

3'' = 1'0''

2'' = 1'0''

1" = 1'0"

3/4" = 1'0'

1/2" = 1'0'

3/8" = 1'0"

1/4" = 1'0"

3/16" = 1'0" 1/8" = 1'0" 3/32" = 1'0"

1/16" = 1'0"

1-1/2" = 1'0"

DRAWING VIEWS SCALE CHART SHEET SCALE: 1:1

2/20/2023

HMD 11X17

REV BY DATE DESCRIPTION
A HMD 2/20/2023 INITIAL CREATION

MURBOCH ENCINEERING SIGN OF THE PROPERTY ALS 2399 A-2 MONTH MANASQUAN, NJ 08736 (973) 570-8216 60 Yee Mardoch 3/8/2023

ere Murdoch, PE Professional Engineer FL PE Lic. #73432

SHEET 1 OF 4

		SPECIFICATIONS - PAINT, VINYL, DIGITAL PRINT		THIS SIGN TO BEAR UNDERWRITERS LABEL	100-277 VOLTS
(P1)	AKZO ANP7035 TO MATCH PMS 426 C			OTE: THIS SIGN IS INTENDED TO BE INSTALLED	NOTICE TO SIGN INSTALLER:
				ACCORDANCE WITH THE REQUIREMENTS OF ARTICLE 600 OF THE NATIONAL ELECTRICAL	THE VOLTAGE AT THIS SIGN MUST BE BETWEEN 100 & 277 VOLTS FOR THIS SIGN TO OPERATE
				CODE AND/OR OTHER APPLICABLE LOCAL ODES. THIS INCLUDES PROPER GROUNDING	PROPERLY. NOTE: SPLICE CONNECTION BOX AND
] ~	AND BONDING OF THE SIGN.	TRANSFORMER MUST NOT BE EXPOSED TO OUTSIDE WEATHER CONDITIONS.
			<u>UL NOTE</u>		<u>OTE</u>
			THIS SIGN IS RATED FOR USE IN WET OR DAMP LOCATIONS ONLY		

MANUFACTURING BILL OF MATERIALS					
ITEM#	PART#	DESCRIPTION			
COL1	AL-CO-040-5_3-270-WHIT- R	5.3 x .040 x 270' WHITE ALUMINUM COIL			
TRC1	TR-MJ-1-150-WHIT-R	1" WHITE JEWELITE TRIMCAP			
ACR1	A7328-177-48-120	.177 X 48 X 120 7328 WHITE ACRYLIC			
SHT1	AL-SH-063-48-120-WH-	.063 x 48 x 120 PRE-PAINTED WHITE ALUMINUM SHEET			
HDW1	HW-00262	#8 X 1/2 INDENTED HEX HEAD UNSLOTTED SELF-DRILL SCREW 410 S/S			
LED1	SL-701269-6W24SJ1-MB	ŠĽŎĀŇ 701269-6W24SJ1-MB 6500K PRISM 24V LED 1.2 MODS/FT	H		
LED2	SL-701269-6W24MJ1-MB	SLOAN 701269-6W24MJ1-MB 6500K PRISM MINI 24V LED / 30.0 ft (75 modules) per bag, 5 bags/carton	I		
WLB1	EL-EC-00077	WALLBUSTER 14"L x 1/2" DIA. PAIGE ELECTRIC			
HDW2	HW-00063	1/2" Conduit Lock Nut			
HDW3	HW-00059	3/8" NUTCERT			
HDW8	HW-00058	1/4" NUTCERT ALA1-420-165			

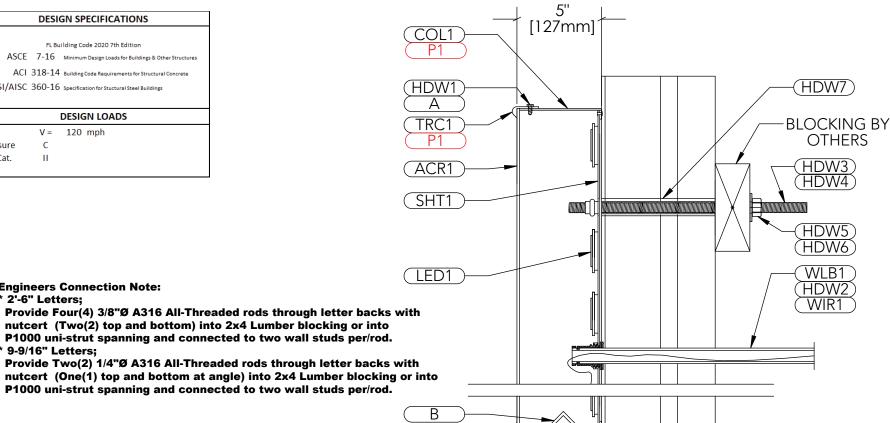
<u>INSTALLATION BILL OF MATERIALS</u>					
ITEM #	PART#	DESCRIPTION			
WIR1	EL-EC-00001	16-2 STR SHLD CMP/CL3P WIRE			
PWS1	SL-701895-24S1	SLOAN 701895-24S1 100W 24V POWER SUPPLY			
HDW4	HW-00123	3/8-16 x 12" SS ALL THREAD STUD			
HDW5	HW-00053	3/8-16 Stainless Steel Finished Hex Nut			
HDW6	HW-00085	3/8 Stainless Steel Flat Washer			
HDW9	HW-00218	1/4"-20 x 12" SS ALL THREAD STUD			
HDW10	HW-00052	1/4"-20 Stainless Steel Hex Nut			
HDW11	HW-00084	1/4" 18-8 Small Outside Diameter Flat Washer Stainless Steel			
HDW7	AL-EX-375-SCH40-20-PIPE	.375 X 20' SCH 40 ALUMINUM PIPE			
HDW12	AL-EX-250-SCH49-20-PIPE	.25 X 20' SCH 40 ALUMINUM PIPE			

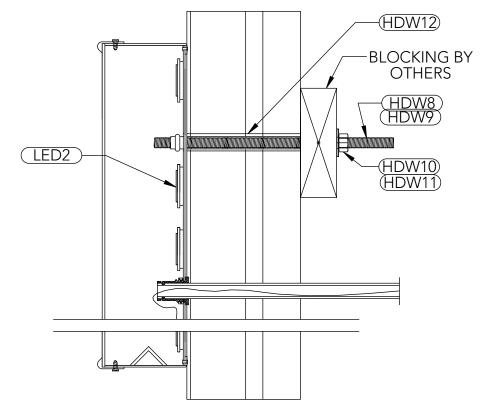
DESIGN SPECIFICATIONS FL Building Code 2020 7th Edition ASCE 7-16 Minimum Design Loads for Buildings & Other Structures ACI 318-14 Building Code Requirements for Structural Concrete ANSI/AISC 360-16 Specification for Stuctural Steel Buildings **DESIGN LOADS** V = 120 mph Exposure Risk Cat.

Engineers Connection Note:

* 2'-6" Letters;

* 9-9/16" Letters;





"BY MARRIOTT" SECTION DETAIL - EIFS SCALE: N.T.S.

A PAINTED TO MATCH RETURNS

B (MIN 2) 1/4" WEEP HOLES PER LETTER, LOCATE AT EACH LOW POINT WITH LIGHT SHIELD COVER

"COURTYARD" SECTION DETAIL - EIFS SCALE: N.T.S.

Digitally signed by Jere Murdoch, PE

Date: 2023.03.08 13:04:33 -05'00'

SHEET SCALE: 1:1 1" = 1'0" 6'' = 1'0' 4'' = 1'0' 1:4 3'' = 1'0'2" = 1'0" 1:6 1-1/2" = 1'0" 1:8 1" = 1'0" 1:12 3/4" = 1'0' 1:16 1:24 1/2" = 1'0' 1:32 3/8" = 1'0" 1:48 1/4" = 1'0" 1:64 3/16" = 1'0" 1:96 1/8" = 1'0" 3/32" = 1'0" 1:128 1:192 1/16" = 1'0"

DRAWING VIEWS SCALE CHART

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IN CONNECTION WITH THE PROJECT PLANNED FOR YOU BY COLITE. IT IS NOT TO BE SHOWN TO ANYONE OUTSIDE YOUR ORGANIZATION NOR IS IT TO BE USED, REPRODUCED, COPIED, OR EXHIBITED IN ANY FASHION WHATSOEVER. ALL OR ANY PART OF THIS DESIGN (EXCEPTING REGISTERED TRADEMARKS) REMAIN THE PROPERTY OF COLITE.

VIEWS WITH SCALES DIFFERENT THAN THE STATED SHEET SCALE WILL DISPLAY SPECIFICALLY IN THAT VIEW LABEL.

DRAWING NUMBER

CYTD-LTR-508-IL-EX-042H

TITLE

EIFS Mounting

SIGN TYPE

Letterset

CUSTOMER

Courtyard by Marriott

3004 W US Hwy 90 Lake City, FL 32055

DATE

2/20/2023

DRAWN BY

PRINT HMD 11X1/

REV BY DATE DESCRIPTION

A HMD 2/20/2023 INITIAL CREATION

MURBOCH ENCINEERING SIGN OF THE PROPERTY ALS 2399 A-2 (SEATH) MANASQUAN, NJ 08736

(973/1570-821/5/60 Yell Mardoch

Jere Murdoch, PE Professional Engineer FL PE Lic. #73432

SHEET 2 OF 4

3/8/2023

	SPECIFICATIONS - PAINT, VINYL, DIGITAL PRINT						
(P1)	AKZO ANP7035 TO MATCH PMS 426 C						

THIS SIGN TO BEAR **UNDERWRITERS LABEL**

AND BONDING OF THE SIGN

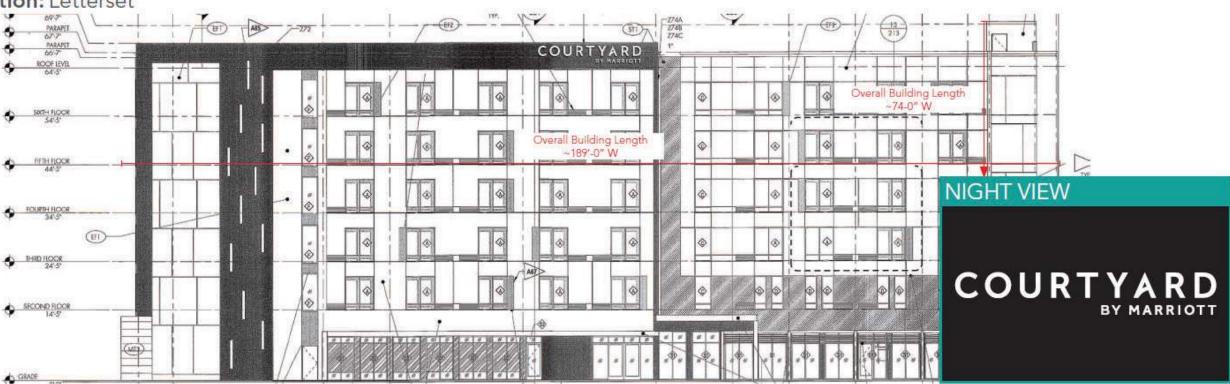
NOTE: SPLICE CONNECTION BOX AND TRANSFORMER MUST NOT BE EXPOSED TO OUTSIDE WEATHER CONDITIONS.

100-277 VOLTS

THIS SIGN IS RATED FOR USE IN WET OR DAMP LOCATIONS ONLY

LOCATION 1

Recommendation: Letterset



SURVEY NOTES:

AKZO ANP7035 TO MATCH PMS 426 C

Front elevation.

ANALYSIS 2'-6" Letters Velocity pressure 36.66 psf $q_h = 0.00256 K_h K_{zt} K_d V^2 I$ where: q_h = velocity pressure at mean roof height, h. (Eq. 29.3-1 page 307 & Eq. 30.3-1 page 316) K_h = velocity pressure exposure coefficient evaluated at height, h, (Tab. 29.3-1., pg 310 1.17 K_d = wind directionality factor. (Tab. 26.6-1, for building, page 250) 0.85 70.00 ft h = height of top Wind Force Case A: resultant force though the geometric center (Sec. 29.4.1 & Fig. 29.1-1)

$p = q_h G C_{f^*.6} =$		=	34	psf			
$F = p A_s$		=	0.21	kips			
M = F(h)	M = F (h - 0.5s) for sign, F (0.55h) for wall		14.46	ft-kips			
T =		=	0.00	ft-kips			
where: (G = gust effect factor. (Sec. 6.5.8, page 26).				=	0.85	
(C _f = net force coefficient. (Fig. 6-20, page 73)					1.80	
P	$A_s = B s$				=	6.3	ft ²

SPECIFICATIONS - PAINT, VINYL, DIGITAL PRINT

RECOMMENDATION DETAILS:

Quantity Sign Sq.Ft. Illumination Estimated Paint Sq.Ft. 101.71 Face Lit Fabrication Mounting C-30-CL Studs

INSTALLATION/REPAIR NOTES:

Install new sign. Per site plan, wall color is TBD, client to confirm prior to production.

DO NOT SHEETROCK THE WALLS WHERE SIGNS ARE LOCATED. Access inside of interior walls where signs will hang is required at the time of installation. Contact your project manager if you are interested in a pre-wire.

PART #:

CYTD-LTR-508-IL-EX-042H

UNDER

AND BON

DESIGN SPECIFICATIONS

FL Building Code 2020 7th Edition ASCE 7-16 Minimum Design Loads for Buildings & Other Structures ANSI/AISC 360-16 Specification for Stuctural Steel Building

DESIGN LOADS						
V =	120 mph	Ī				

Exposure Risk Cat.



Digitally signed by Jere Murdoch, PE Date: 2023.03.08

1:4

1:6

Think	1:8	1-1/2" = 1'0"	
This item has be by Jens illumoch Printed copies at agend and of agend and agend and agend ag agend agend ag agend ag agend ag agend ag agend ag agend ag agend ag agend	1:12	1" = 1'0"	
CICNITO DE A D	1:16	3/4" = 1'0"	
SIGN TO BEAR ERWRITERS LABEL	1:24	1/2" = 1'0"	
	NOTICE TO SIGN INSTALLER:	1:32	3/8" = 1'0"
GN IS INTENDED TO BE INSTALLED, INCE WITH THE REQUIREMENTS OF 0 OF THE NATIONAL ELECTRICAL /OR OTHER APPLICABLE LOCAL INCLUDES PROPER GROUNDING 1 BONDING OF THE SIGN.	THE VOLTAGE AT THIS SIGN MUST BE BETWEEN 100 & 277 VOLTS FOR THIS SIGN TO OPERATE PROPERLY. NOTE: SPLICE CONNECTION BOX AND TRANSFORMER MUST NOT BE EXPOSED TO OUTSIDE WEATHER CONDITIONS.	1:48	1/4" = 1'0"
		1:64	3/16" = 1'0"
		1:96	1/8" = 1'0"
UL N	1:128	3/32" = 1'0"	
THIS SIGN IS RATED FOR USE IN W	ET OR DAMP LOCATIONS ONLY	1:192	1/16'' = 1'0''

COLUMBIA SC 29203 P 803 926.7926

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VIEWS WITH SCALES DIFFERENT THAN THE STATED SHEET SCALE WILL DISPLAY SPECIFICALLY IN THAT VIEW LABEL.

DRAWING NUMBER

CYTD-LTR-508-IL-EX-042H

TITLE

SIGN TYPE

Letterset

CUSTOMER

Courtyard by Marriott

3004 W US Hwy 90 Lake City, FL 32055

DATE

DRAWING VIEWS SCALE CHART

1'' = 1'0''

6'' = 1'0'

4'' = 1'0'

3'' = 1'0''

2" = 1'0"

SHEET SCALE: 1:1

2/20/2023

DRAWN BY

PRINT HMD 11X17

REV BY DATE DESCRIPTION

A HMD 2/20/2023 INITIAL CREATION

STATE OF

MURBOCH ENCINEERING SIGN OF ICE AND HADELS IN ALLS 2399 A-2 (MARIE IN ALLS) MANASQUAN, NJ 08736 (973) 570-8216 kg

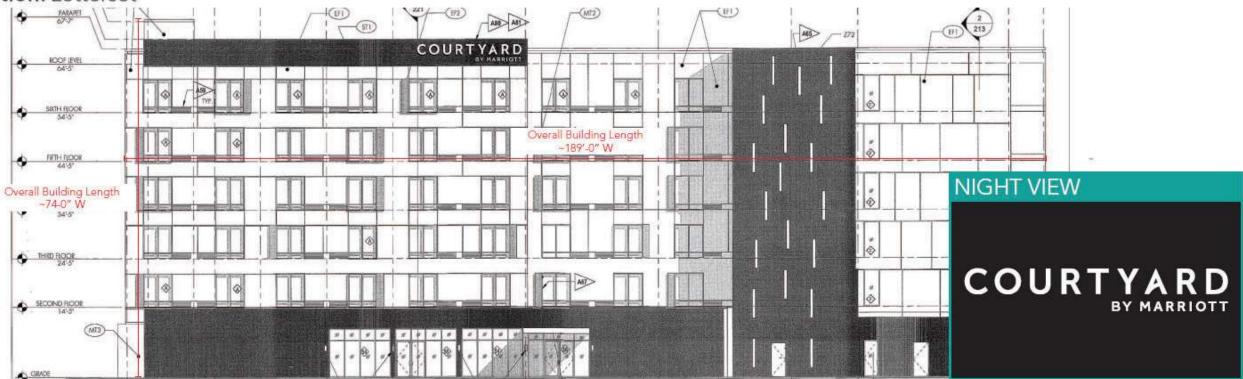
ere Murdoch, PE Professional Engineer FL PE Lic. #73432

SHEET 3 OF 4

3/8/2023

LOCATION 2

Recommendation: Letterset



SURVEY NOTES:

Back elevation.

ANALYSIS 2'-6" Letters Velocity pressure $q_h = 0.00256 K_h K_{zt} K_d V^2 I$ where: q_h = velocity pressure at mean roof height, h. (Eq. 29.3-1 page 307 & Eq. 30.3-1 page 316)

= 36.66 psf

K_h = velocity pressure exposure coefficient evaluated at height, h, (Tab. 29.3-1., pg 310 = 1.17 0.85 K_d = wind directionality factor. (Tab. 26.6-1, for building, page 250)

h = height of top **70.00** ft

Wind Force Case A: resultant force though the geometric center (Sec. 29.4.1 & Fig. 29.1-1)

 $p = q_h G C_{f^*.6} =$ psf $F = p A_s$ **0.21** kips M = F (h - 0.5s) for sign, F (0.55h) for wall 14.46 ft-kips RECOMMENDATION DETAILS:

Quantity Sign Sq.Ft. 101.71

Face Lit Fabrication Mounting C-30-CL

INSTALLATION/REPAIR NOTES:

Install new sign. Per site plan, wall color is TBD, client to confirm prior to production.

Illumination

DO NOT SHEETROCK THE WALLS WHERE SIGNS ARE LOCATED. Access inside of interior walls where signs will hang is required at the time of installation. Contact your project manager if you are interested in a pre-wire.

PART #:

Studs

CYTD-LTR-508-IL-EX-042H

DESIGN SPECIFICATIONS

FL Building Code 2020 7th Edition ASCE 7-16 Minimum Design Loads for Buildings & Other Structures ACI 318-14 Building Code Requirements for Structural Concrete

ANSI/AISC 360-16 Specification for Stuctural Steel Buildings

DESIGN LOADS V = 120 mph

Exposure Risk Cat.

Wind



Digitally signed by Jere Murdoch, PE

Date: 2023.03.08 13:04:50 -05'00'

Estimated Paint Sq.Ft.

THIS SIGN TO BEAR 100-277 VOLTS **UNDERWRITERS LABEL** NOTE: THIS SIGN IS INTENDED TO BE INSTALLED N ACCORDANCE WITH THE REQUIREMENTS O ARTICLE 600 OF THE NATIONAL ELECTRICAL CODE AND/OR OTHER APPLICABLE LOCAL CODES, THIS INCLUDES PROPER GROUNDING PROPERLY.

NOTE: SPLICE CONNECTION BOX AND
TRANSFORMER MUST NOT BE EXPOSED TO
OUTSIDE WEATHER CONDITIONS. AND BONDING OF THE SIGN. THIS SIGN IS RATED FOR USE IN WET OR DAMP LOCATIONS ONLY

	1:1	1" = 1'0"
	1:2	6" = 1'0"
	1:3	4" = 1'0"
,	1:4	3" = 1'0"
	1:6	2'' = 1'0''
	1:8	1-1/2" = 1'0"
	1:12	1" = 1'0"
	1:16	3/4" = 1'0"
	1:24	1/2" = 1'0"
	1:32	3/8" = 1'0"
N E	1:48	1/4" = 1'0"
	1:64	3/16" = 1'0"
	1:96	1/8" = 1'0"
\dashv	1:128	3/32" = 1'0"
	1:192	1/16" = 1'0"

DRAWING VIEWS SCALE CHART

SHEET SCALE: 1:1

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OF COLITE.

DRAWING NUMBER

CYTD-LTR-508-IL-EX-042H

TITLE

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Letterset

CUSTOMER

Courtyard by Marriott

3004 W US Hwy 90 Lake City, FL 32055

DATE

2/20/2023

DRAWN BY

PRINT HMD 11X17

REV BY DATE DESCRIPTION

A HMD 2/20/2023 INITIAL CREATION

STATE OF

MANASQUAN, NJ 08736 (973) 570-8216 60 Yee Mardoch

3/8/2023

Jere Murdoch, PE Professional Engineer FL PE Lic. #73432

SHEET 4 OF 4

	T =		=	0.00	ft-kips					
	where:	G = gust effect factor. (Sec. 6.5.8, page 26).					=	0.85		
		C _f = net force coefficient. (Fig. 6-20, page 73)						1.80		
		$A_s = B s$					=	6.3	ft ²	
			SPE	CIFIC	ATIONS	- PAINT,	VINYL,	DIGITAL	PRINT	
(F	² 1) AKZ	ZO ANP7035 TO MATCH PMS 426 C								