



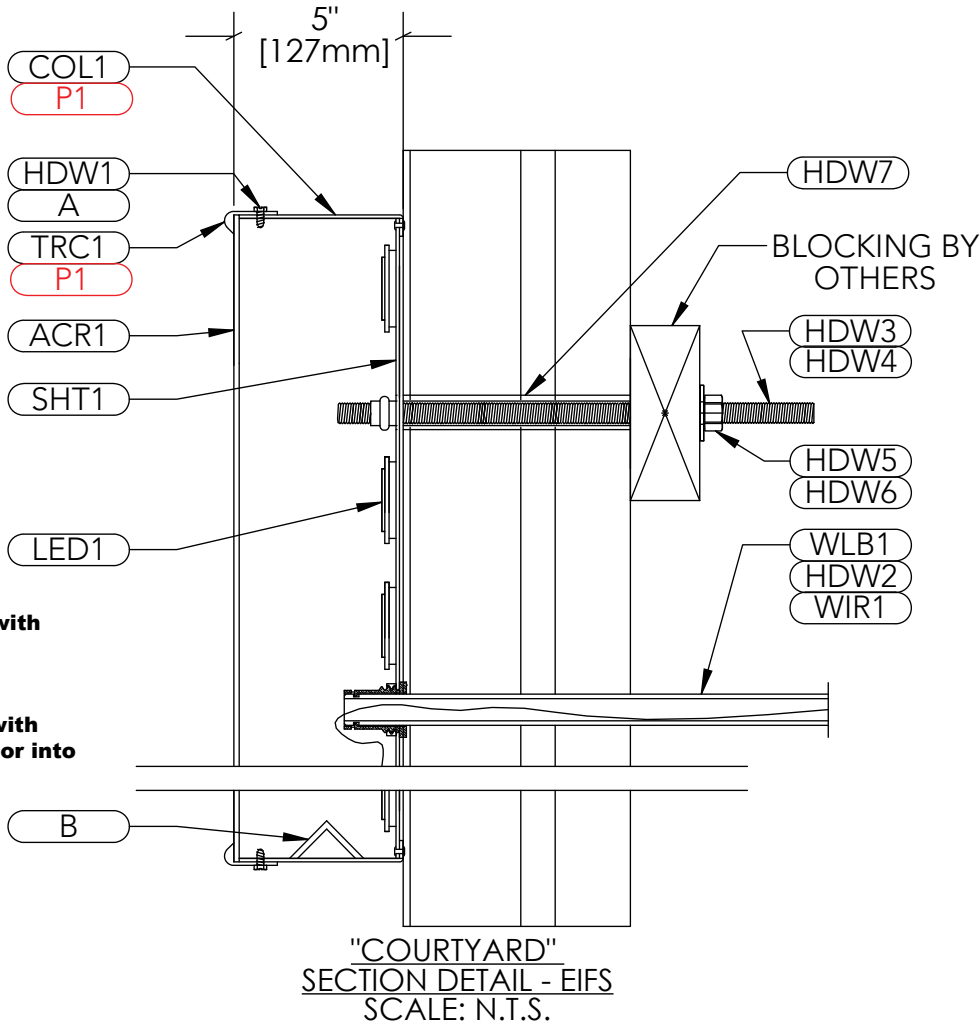
MANUFACTURING BILL OF MATERIALS		
ITEM #	PART #	DESCRIPTION
COL1	AL-CO-040-5_3-270-WHIT-R	5.3 x .040 x 270' WHITE ALUMINUM COIL
TRC1	TR-MJ-1-150-WHIT-R	1" WHITE JEWELITE TRIMCAP
ACR1	A7328-177-48-120	.177 X 48 X 120 7328 WHITE ACRYLIC
SHT1	AL-SH-063-48-120-WH-	.063 x 48 x 120 PRE-PAINTED WHITE ALUMINUM SHEET
HDW1	HW-00262	#8 X 1/2 INDENTED HEX HEAD UNSLOTTED SELF-DRILL SCREW 410 S/S
LED1	SL-701269-6W24SJ1-MB	SLOAN 701269-6W24SJ1-MB 6500K PRISM 24V LED 1.2 MODS/FT
LED2	SL-701269-6W24MJ1-MB	SLOAN 701269-6W24MJ1-MB 6500K PRISM MINI 24V LED / 30.0 ft (75 modules) per bag, 5 bags/carton
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

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 Structural Steel Buildings
DESIGN LOADS	
Wind	V = 120 mph
Exposure	C
Risk Cat.	II

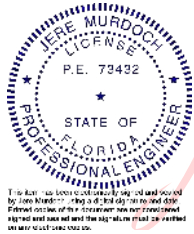
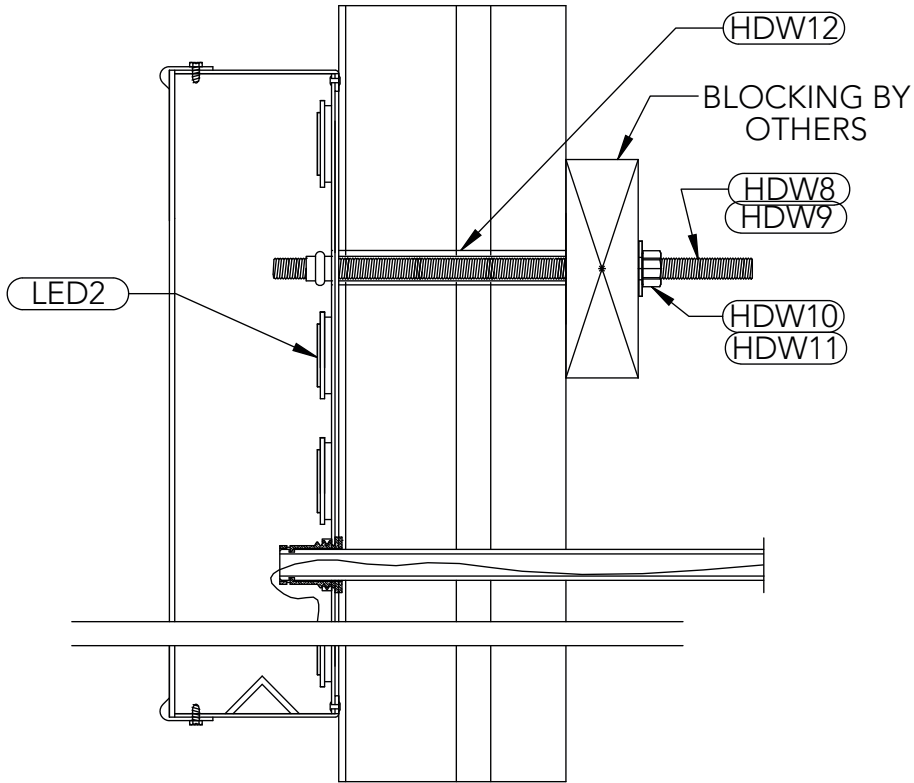
Engineers Connection Note:

- \* 2'-6" Letters;  
Provide Four(4) 3/8"Ø A316 All-Threaded rods through letter backs with nutcert (Two(2) top and bottom) into 2x4 Lumber blocking or into P1000 uni-strut spanning and connected to two wall studs per/rod.
- \* 9-9/16" Letters;  
Provide Two(2) 1/4"Ø A316 All-Threaded rods through letter backs with nutcert (One(1) top and bottom at angle) into 2x4 Lumber blocking or into P1000 uni-strut spanning and connected to two wall studs per/rod.

- (A) PAINTED TO MATCH RETURNS
- (B) (MIN 2) 1/4" WEEP HOLES PER LETTER, LOCATE AT EACH LOW POINT WITH LIGHT SHIELD COVER



INSTALLATION BILL OF MATERIALS		
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



Digitally signed  
by Jere Murdoch,  
PE  
Date: 2023.03.08  
13:04:33 -05'00'

DRAWING VIEWS SCALE CHART	
SHEET SCALE: 1:1	
1:1	1" = 1'0"
1:2	6" = 1'0"
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1:64	3/16" = 1'0"
1:96	1/8" = 1'0"
1:128	3/32" = 1'0"
1:192	1/16" = 1'0"

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

THIS SIGN TO BEAR UNDERWRITERS LABEL	100-277 VOLTS
NOTE: THIS SIGN IS INTENDED TO BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF ARTICLE 600 OF THE NATIONAL ELECTRICAL CODE AND/OR OTHER APPLICABLE LOCAL CODES. THIS INCLUDES PROPER GROUNDING AND BONDING OF THE SIGN.	NOTICE TO SIGN INSTALLER: THE VOLTAGE AT THIS SIGN MUST BE BETWEEN 100 & 277 VOLTS FOR THIS SIGN TO OPERATE PROPERLY. NOTE: SPICE CONNECTION BOX AND TRANSFORMER MUST NOT BE EXPOSED TO OUTSIDE WEATHER CONDITIONS.
UL NOTE THIS SIGN IS RATED FOR USE IN WET OR DAMP LOCATIONS ONLY	

**colite**  
5 TECHNOLOGY CIRCLE  
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

EIFS Mounting

SIGN TYPE

Letterset

CUSTOMER

Courtyard by Marriott

LOCATION

3004 W US Hwy 90  
Lake City, FL 32055

DATE

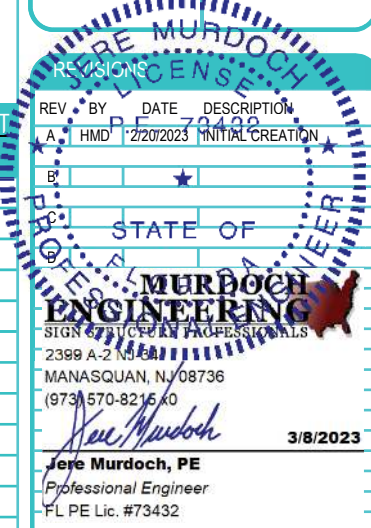
2/20/2023

DRAWN BY

HMD

PRINT

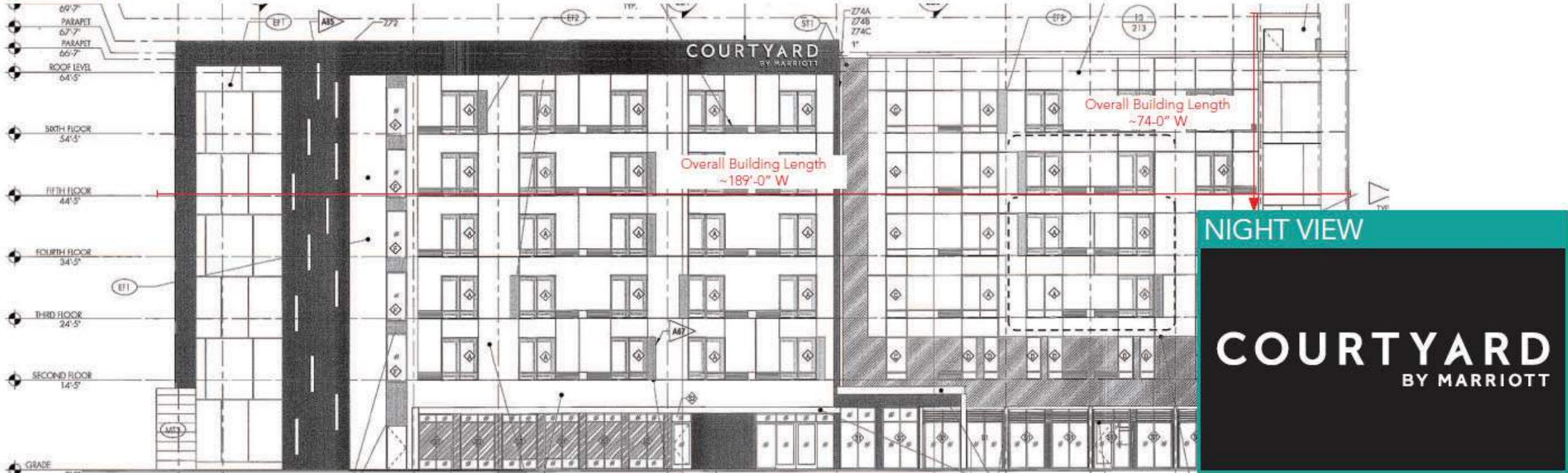
11X17





LOCATION 1

Recommendation: Letterset



SURVEY NOTES:  
Front elevation.

RECOMMENDATION DETAILS:

Quantity	Sign Sq.Ft.	Illumination	Estimated Paint Sq.Ft.
1	101.71	Face Lit	-
Mounting Studs		Fabrication C-30-CL	

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

ANALYSIS 2'-6" Letters

Velocity pressure

$$q_h = 0.00256 K_h K_{zt} K_d V^2 I = 36.66 \text{ psf}$$

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

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)

$p = q_h G C_f A_p = 34 \text{ psf}$

$F = p A_s = 0.21 \text{ kips}$

$M = F (h - 0.5s) \text{ for sign, } F (0.55h) \text{ for wall} = 14.46 \text{ ft-kips}$

$T = 0.00 \text{ ft-kips}$

where: G = gust effect factor. (Sec. 6.5.8, page 26).

$C_f$  = net force coefficient. (Fig. 6-20, page 73)

$A_s = B s = 6.3 \text{ ft}^2$

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 Structural Steel Buildings
DESIGN LOADS	
Wind	V = 120 mph
Exposure	C
Risk Cat.	II



Digitally signed by  
Jere Murdoch, PE  
Date: 2023.03.08  
13:04:41 -05'00'

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

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5 TECHNOLOGY CIRCLE  
COLUMBIA SC 29203  
P 803 926.7926

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DRAWING NUMBER

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

TITLE

SIGN TYPE

Letterset

CUSTOMER

Courtyard by Marriott

LOCATION

3004 W US Hwy 90  
Lake City, FL 32055

DATE

2/20/2023

DRAWN BY

HMD

PRINT

11X17

REVISIONS

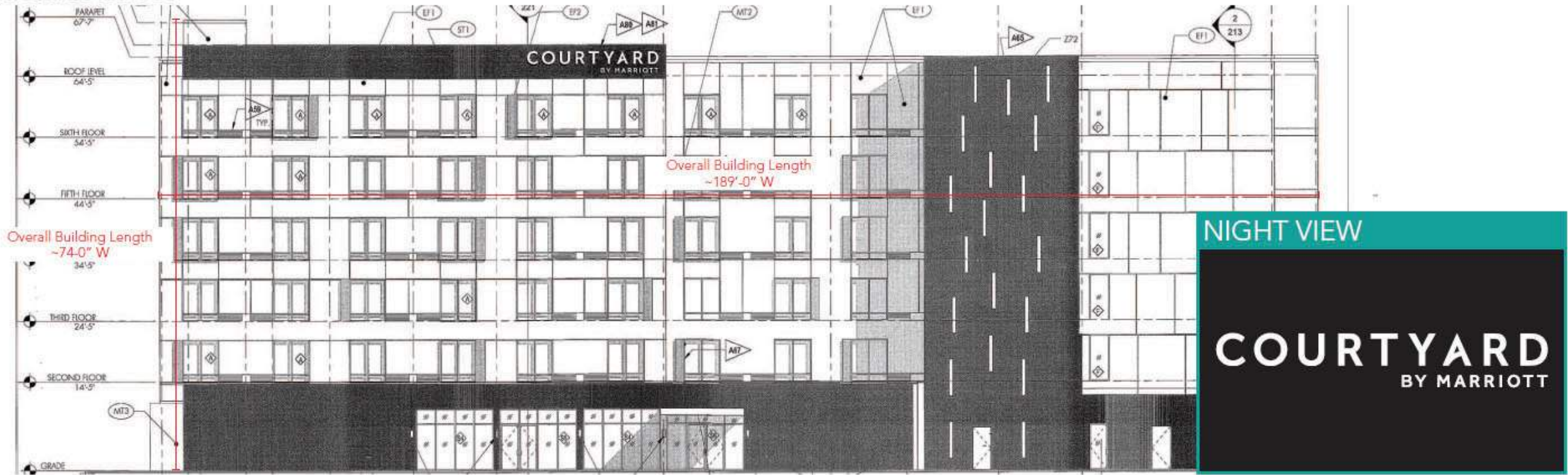
REV	BY	DATE	DESCRIPTION
A	HMD	2/20/2023	INITIAL CREATION

STATE OF FLORIDA  
JERE MURDOCH  
ENGINEERING  
SIGN & STRUCTURAL PROFESSIONALS  
2399 A-2 N.W.  
MANASQUAN, N.J. 08736  
(973) 570-8216 x0  
Jere Murdoch  
Professional Engineer  
FL PE Lic. #73432  
3/8/2023



LOCATION 2

Recommendation: Letterset



SURVEY NOTES:  
Back elevation.

RECOMMENDATION DETAILS:

Quantity	Sign Sq.Ft.	Illumination	Estimated Paint Sq.Ft.
1	101.71	Face Lit	-
Mounting Studs		Fabrication C-30-CL	

INSTALLATION/REPAIR NOTES:

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$p = q_h G C_f \cdot .6 = 34 \text{ psf}$

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$T = 0.00 \text{ ft-kips}$

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**

$A_s = B s = 6.3 \text{ ft}^2$

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