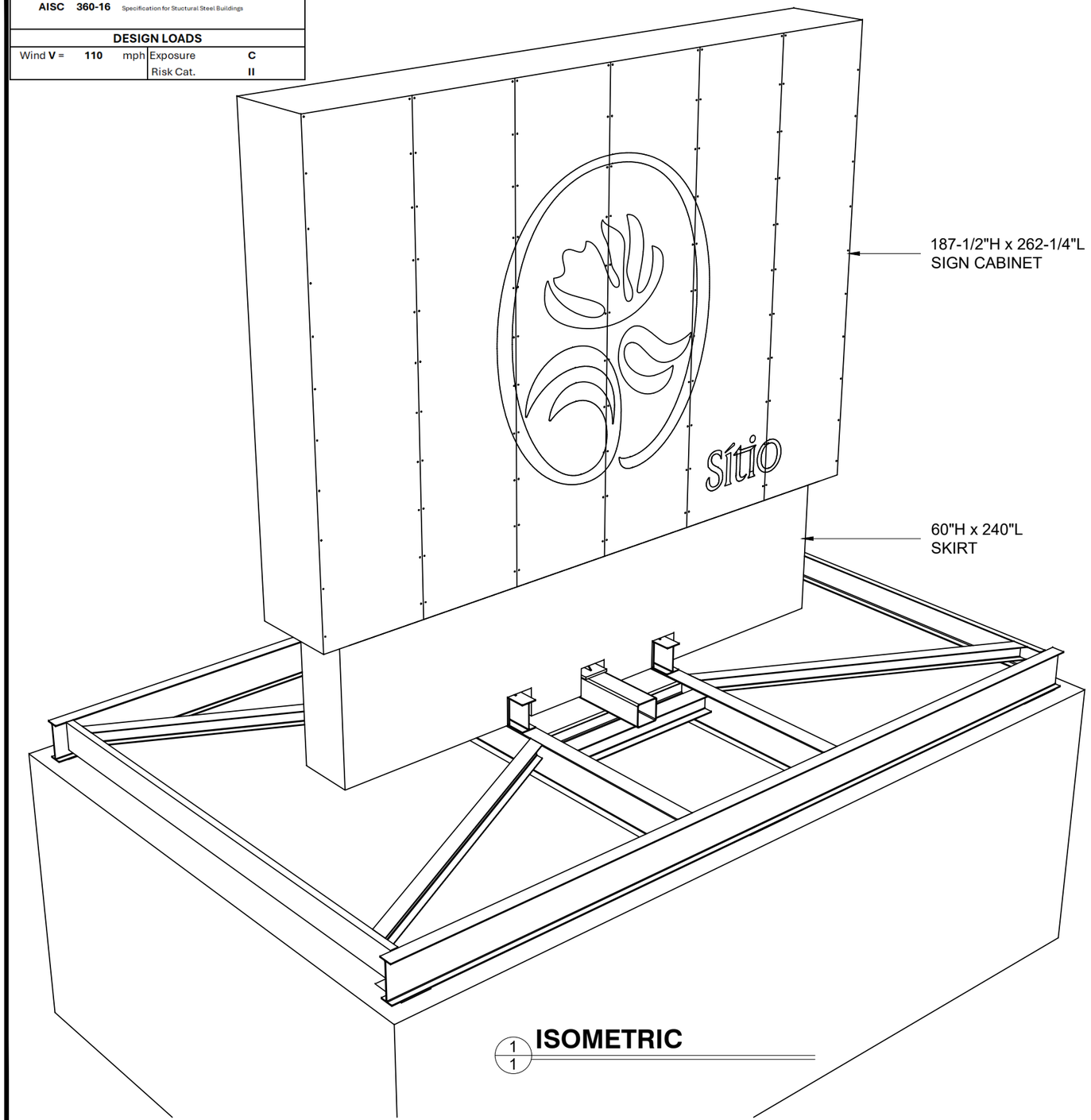
DESIGN SPECIFICATIONS			
IBC 2024 with TX amendments			
ASCE 7-22	Minimum Design Loads for Buildings & Other Structures		
ACI 318-19(22)	Building Code Requirements for Structural Concrete		
AISC 360-16	Specification for Stuctural Steel Buildings		
DESIGN LOADS			
Wind V = 110 mph		Exposure	C
		Risk Cat.	II



1/1 **ISOMETRIC**



2/1 **ARTIST'S RENDERING**
NONE

COLOR SCHEME:
BACKGROUND AND CABINET PAINTED TO MATCH PMS 2904C GREEN
LETTERS AND LOGO TO MATCH PMS 9060C OFF-WHITE

STATE OF TEXAS
JERE MURDOCH
113937
LICENSED
PROFESSIONAL ENGINEER

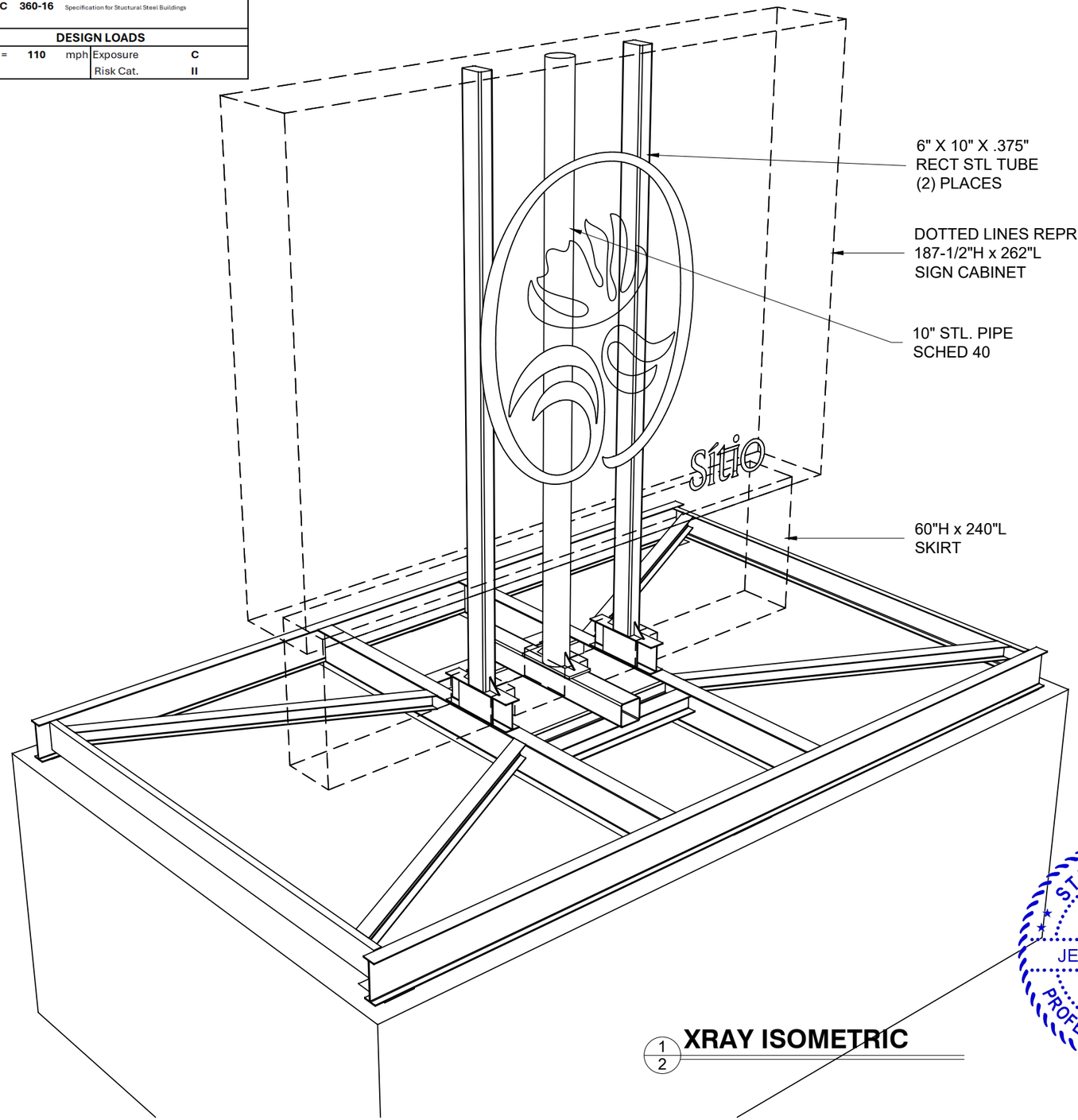
239 ENJ-34, A-2
MAULASQUAN, NJ 08736
(973) 570-8215 x0

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TX PE Lic. #113937

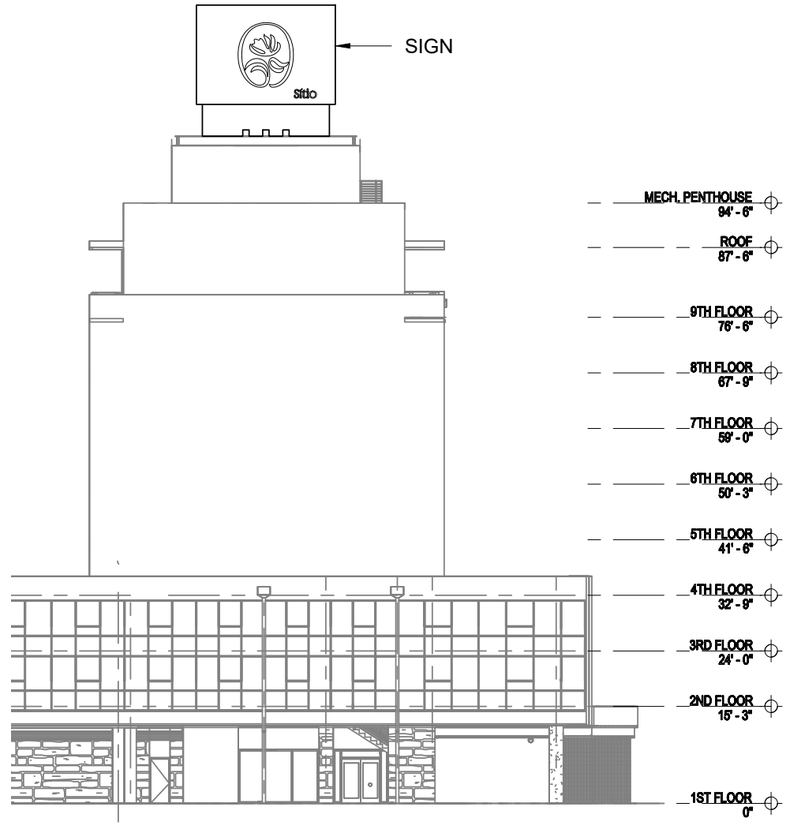
H.M. WITT & Co. Signs
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office | 773 250 5000 fax | 773 250 5100
toll free | 1 888 427 0703 web | www.hmwitt.com

TITLE: EL TROPICANO HOTEL SAN ANTONIO, TX	
DRAWING NO.: E260817	CAD FILE: HMWITT28.DWG
DATE: 09.17.2026	
DRAWN BY: PK	SHEET: 1 OF 6

DESIGN SPECIFICATIONS			
IBC 2024 with TX amendments			
ASCE 7-22	Minimum Design Loads for Buildings & Other Structures		
ACI 318-19(22)	Building Code Requirements for Structural Concrete		
AISC 360-16	Specification for Stuctural Steel Buildings		
DESIGN LOADS			
Wind V = 110 mph		Exposure	C
		Risk Cat.	II



1/2 **XRAY ISOMETRIC**



2/2 **ELEVATION**

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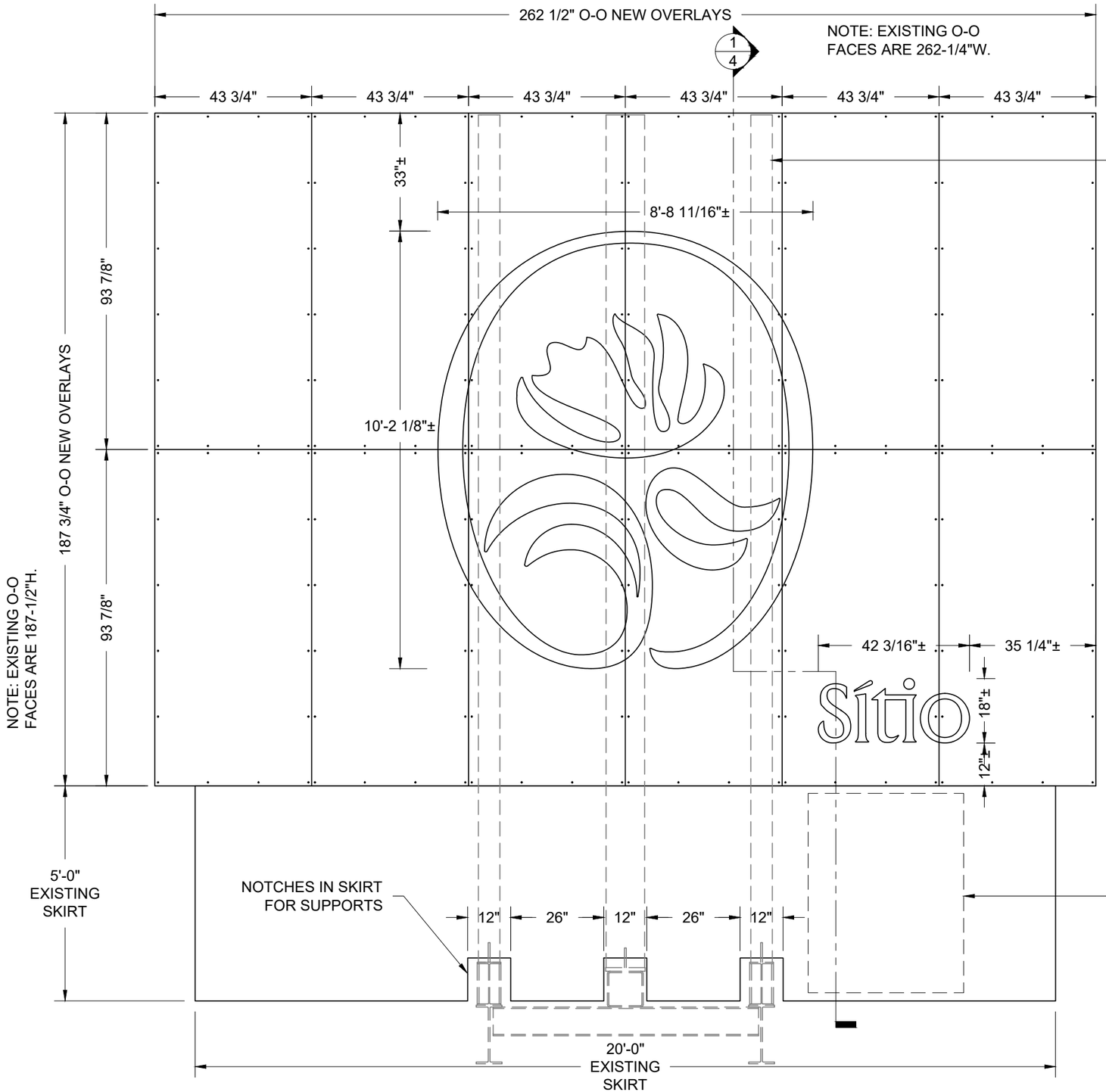
10/9/2026

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TITLE: EL TROPICANO HOTEL SAN ANTONIO, TX	
DRAWING NO.: E260817	CAD FILE: HMWITT28.DWG
DATE: 09.17.2026	
DRAWN BY: PK	SHEET: 2 OF 6



1/3 **ELEVATION**

3/8 = 1-0

DESIGN SPECIFICATIONS			
IBC 2024 with TX amendments			
ASCE 7-22	Minimum Design Loads for Buildings & Other Structures		
ACI 318-19(22)	Building Code Requirements for Structural Concrete		
AISC 360-16	Specification for Stuctural Steel Buildings		
DESIGN LOADS			
Wind V = 110 mph		Exposure	C
		Risk Cat.	II

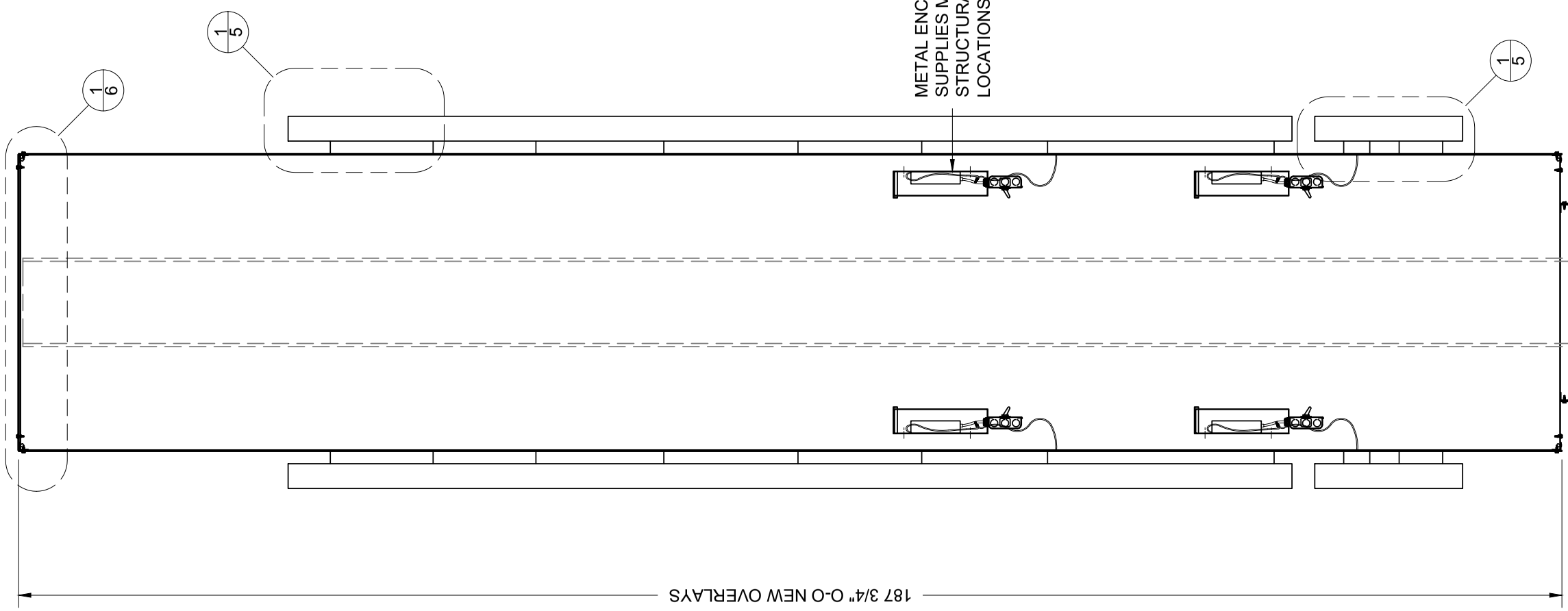
ELECTRICAL NOTES:
ANTICIPATED ELECTRICAL LOAD PER FACE
= 4 AMPS

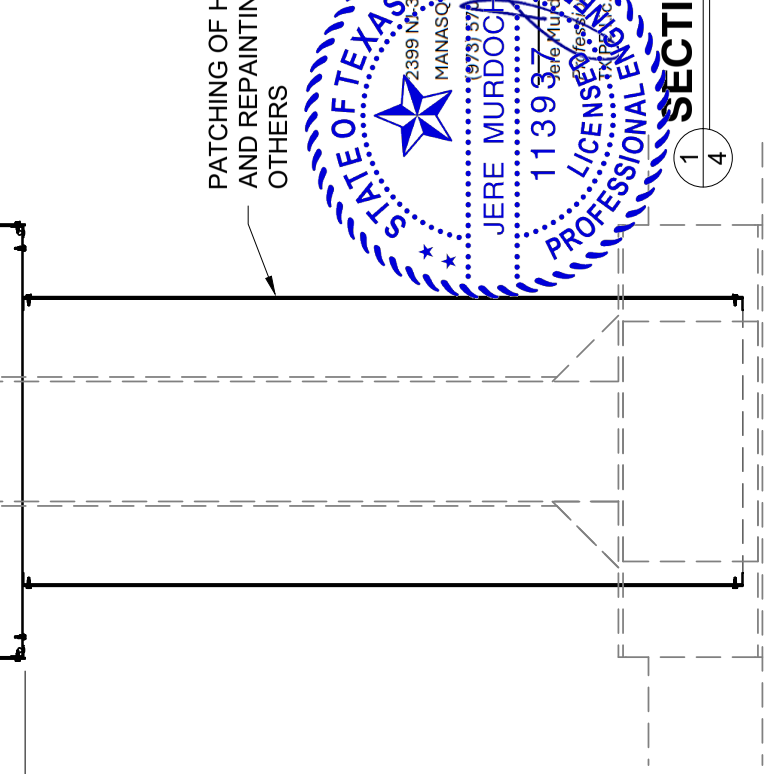
STATE OF TEXAS
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PROFESSIONAL ENGINEER

2364 NJ-34 A-2
MANASQUAN, NJ 08736
(973) 770-8215 x0
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TX Lic. #113937

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TITLE: EL TROPICANO HOTEL SAN ANTONIO, TX	
DRAWING NO. E260817	CAD FILE: HMWITT28.DWG
DATE: 09.17.2026	
DRAWN BY: PK	SHEET: 3 OF 6





SECTION 1/4 — 3/4 = 1-0

MURDOCH ENGINEERING
10/9/2026

STATE OF TEXAS
JERE MURDOCH
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LICENSED PROFESSIONAL ENGINEER

Jere Murdoch, PE
Professional Engineer
TX Reg. No. 113937

2399 N. 34, A
MANASQUAN, NJ 08736
(973) 570-8215

DESIGN SPECIFICATIONS

IBC	2024	with	TX amendments
ASCE	7-22	Minimum Design Loads for Buildings & Other Structures	
ACI 318-19(22)		Building Code Requirements for Structural Concrete	
AISC	360-16	Specification for Stucturel Steel Buildings	

DESIGN LOADS

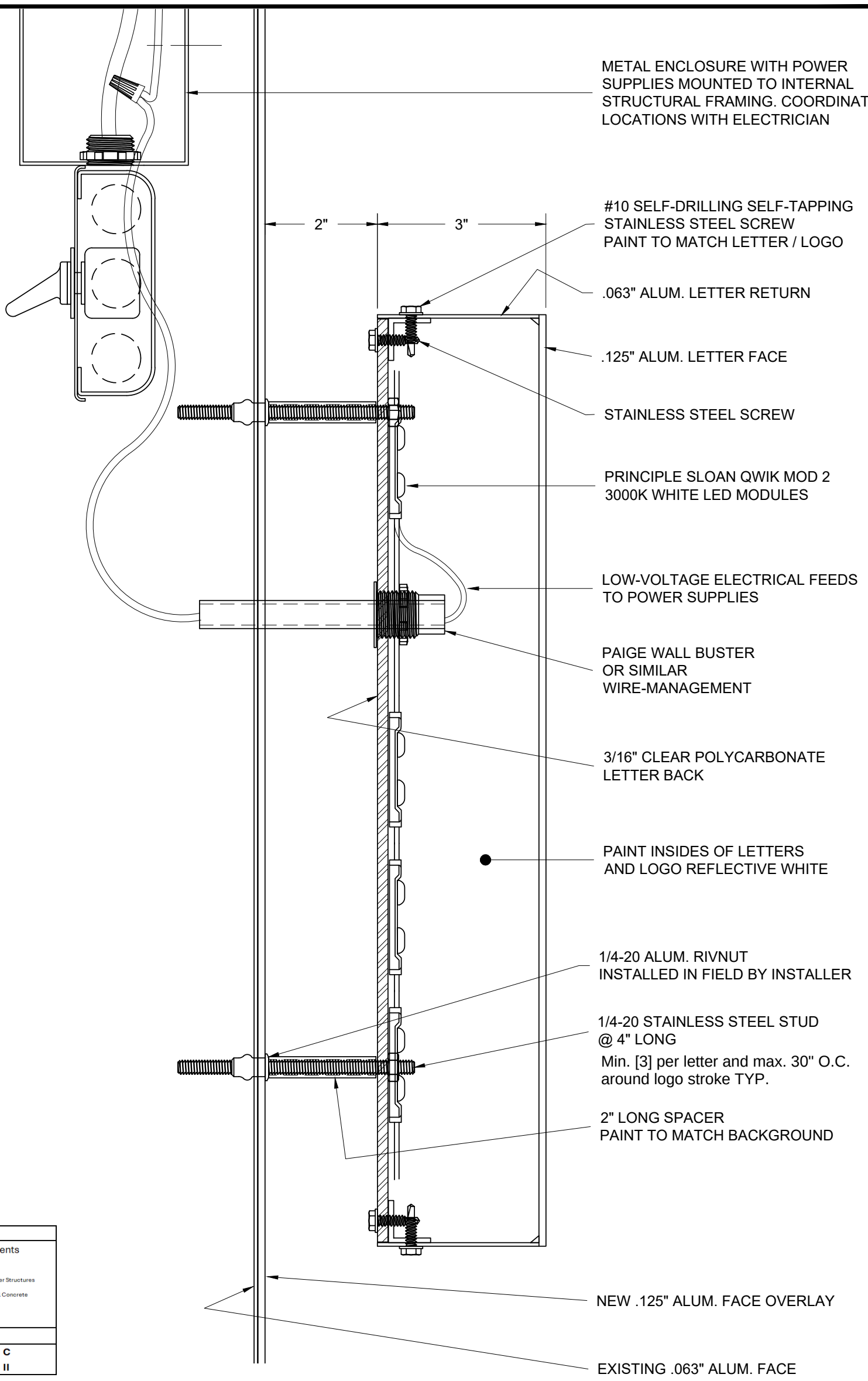
Wind V =	110	mph	Exposure C
			Risk Cat. II

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TITLE: EL TROPICANO HOTEL
SAN ANTONIO, TX

DRAWING NO. E260817	CAD FILE: HMWITT28.DWG
DATE: 09.17.2026	
DRAWN BY: PK	SHEET: 4 OF 6



SECTION THROUGH LETTERS AND LOGO

1/5 HALF

SEE PAGE 2 FOR COLOR SCHEME

DESIGN SPECIFICATIONS					
IBC	2024	with	TX	amendments	
ASCE	7-22	Minimum Design Loads for Buildings & Other Structures			
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DESIGN LOADS				
Wind V =	110	mph	Exposure	C
			Risk Cat.	II

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SAN ANTONIO, TX

DRAWING NO. E260817
CAD FILE: HMWITT28.DWG

DATE: 09.17.2026
DRAWN BY: PK

SHEET: 5 OF 6

STATE OF TEXAS
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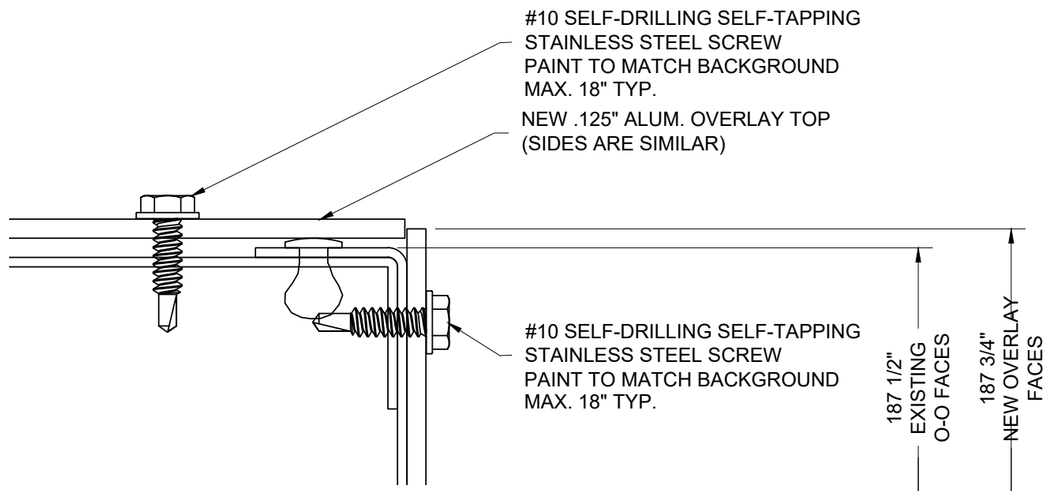
2390 NJ-34, A-2
MANASQUAN, NJ 08736
(973) 870-8215 x0

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10/9/2026
Jere Murdoch, PE
Professional Engineer
TX PE Lic. #113937

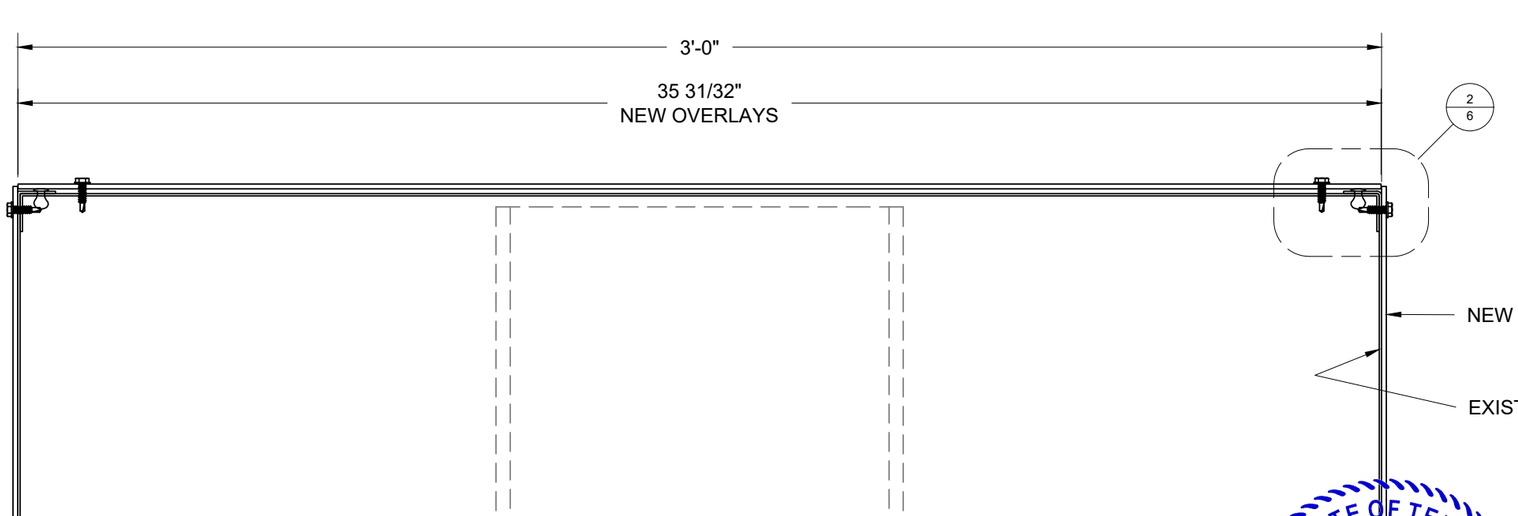
DESIGN SPECIFICATIONS				
IBC	2024	with	TX	amendments
ASCE	7-22	Minimum Design Loads for Buildings & Other Structures		
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DESIGN LOADS				
Wind V =	110	mph	Exposure	C
			Risk Cat.	II



2/6 **ENLARGED SECTION**

FULL



1/6 **SECTION THRU TOP**

3 = 1-0

NOTE: SECTION THROUGH
SIDES IS SIMILAR

STATE OF TEXAS
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2899 NJ 34, A-2
MANASQUAN, NJ 08736
(908) 477-8215 x0

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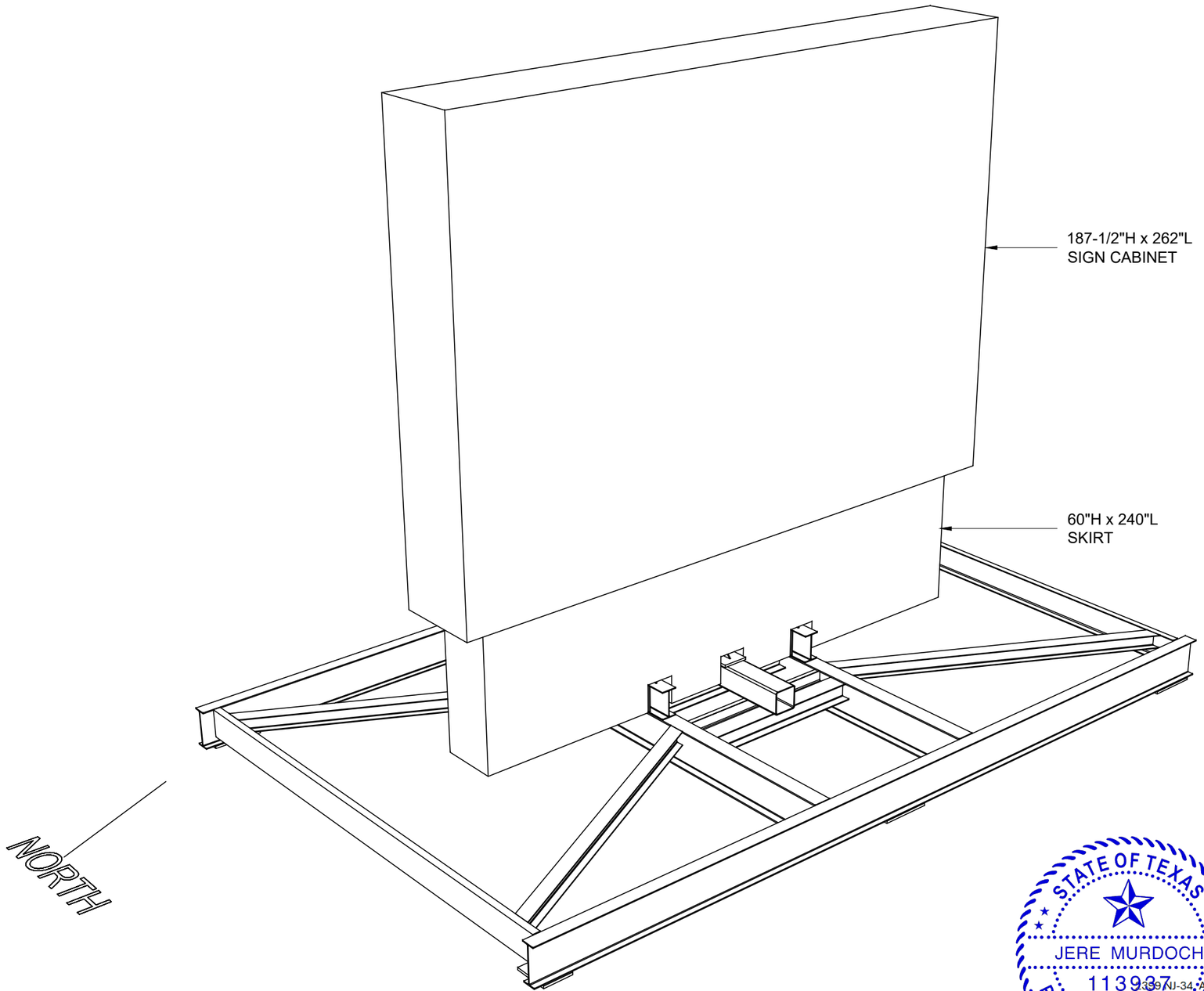
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TITLE: EL TROPICANO HOTEL SAN ANTONIO, TX	
DRAWING NO.: E260817	CAD FILE: HMWITT28.DWG
DATE: 09.17.2026	
DRAWN BY: PK	SHEET: 6 OF 6



DESIGN SPECIFICATIONS			
IBC 2024 with TX amendments			
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DESIGN LOADS			
Wind V = 110 mph		Exposure	C
		Risk Cat.	II

STATE OF TEXAS
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2339 NJ-34, A-2
Matawan, NJ 08736
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Professional Engineer
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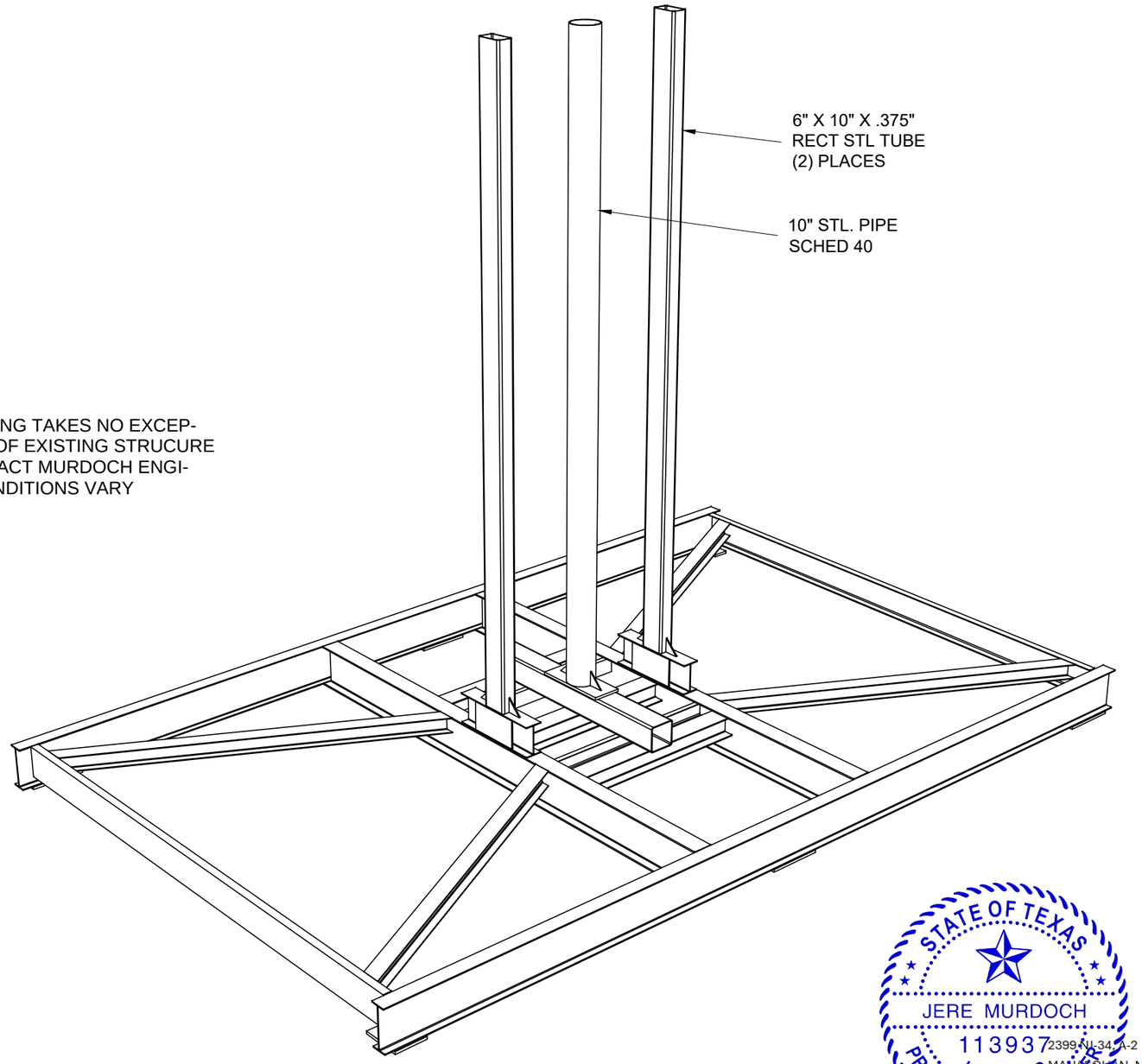
MURDOCH ENGINEERING

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toll free | 1 888 427 0703 web | www.hmwitt.com

TITLE: EL TROPICANA HOTEL SAN ANTONIO, TX	
DRAWING NO.: E260817	CAD FILE: HMWITT28.DWG
DATE: 08.17.2026	
DRAWN BY: PK	SHEET: 1 OF PG

NOTE:
MURDOCH ENGINEERING TAKES NO EXCEP-
TION TO THE RE-USE OF EXISTING STRUCURE
CEASE WORK & CONTACT MURDOCH ENGI-
NEERING IF FIELD CONDITIONS VARY



NORTH

DESIGN SPECIFICATIONS			
IBC 2024 with TX amendments			
ASCE 7-22 Minimum Design Loads for Buildings & Other Structures			
ACI 318-19(22) Building Code Requirements for Structural Concrete			
AISC 360-16 Specification for Stuctural Steel Buildings			
DESIGN LOADS			
Wind V = 110 mph		Exposure	C
		Risk Cat.	II

STATE OF TEXAS
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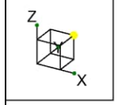
2399 Rt. 34 A-2
MANASQUAN, NJ 08736
(973) 544-8215 x0

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Jere Murdoch, PE
Professional Engineer
TX PE Lic. #113937

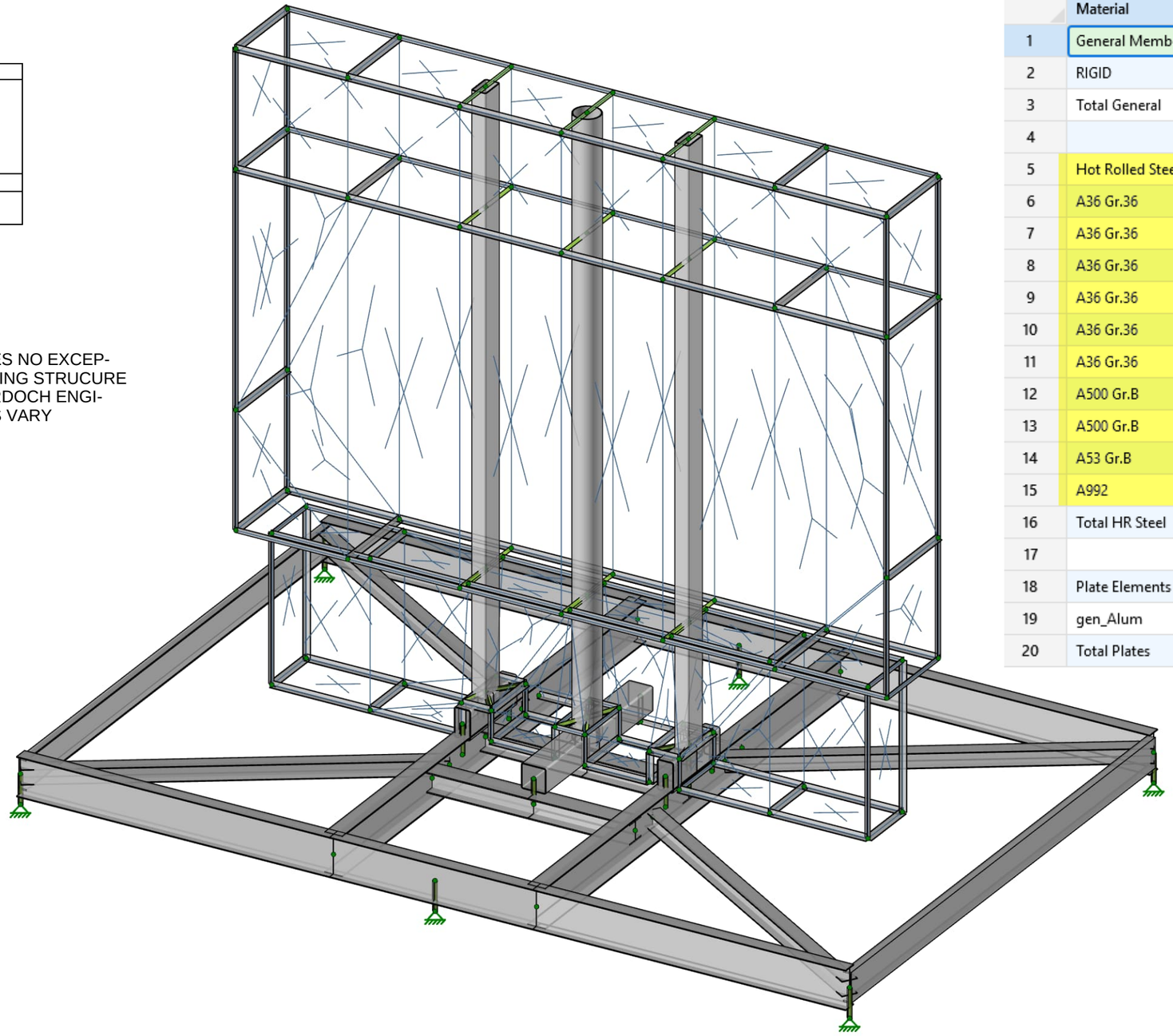
H.M. WITT & CO. Signs
FINE SIGNAGE SINCE 1894
3313 West Newport Ave. Chicago, IL 60618
office | 773 250 5000 fax | 773 250 5100
toll free | 1 888 427 0703 web | www.hmwitt.com

TITLE: EL TROPICANA HOTEL SAN ANTONIO, TX	
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DRAWN BY: PK	SHEET: 1 OF PG



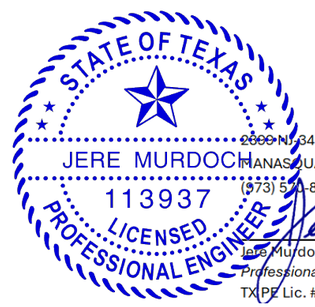
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DESIGN LOADS			
Wind V = 110 mph		Exposure	C
		Risk Cat.	II

NOTE:
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TION TO THE RE-USE OF EXISTING STRUCURE
CEASE WORK & CONTACT MURDOCH ENGI-
NEERING IF FIELD CONDITIONS VARY



Material Takeoff

	Material	Size	Pieces	Length[ft]	Weight[K]
1	General Members				
2	RIGID		51	61.1	0
3	Total General		51	61.1	0
4					
5	Hot Rolled Steel				
6	A36 Gr.36	C12X25	2	35.3	0.882
7	A36 Gr.36	CUST6.625x12x0.375	4	5.4	0.246
8	A36 Gr.36	L2X2X3	130	394	0.968
9	A36 Gr.36	W16X26	6	55.6	1.454
10	A36 Gr.36	W6X15	4	49.9	0.752
11	A36 Gr.36	W8X31	4	13.6	0.423
12	A500 Gr.B	HSS10X6X6	2	40.2	1.53
13	A500 Gr.B	HSS10X10X6	2	6.2	0.3
14	A53 Gr.B	PIPE_10.0	1	20.3	0.793
15	A992	W16X36	2	35.3	1.274
16	Total HR Steel		157	655.9	8.623
17					
18	Plate Elements	Thickness (in)		Volume...	
19	gen_Alum	0.1	91	0.2	1.028
20	Total Plates		91	0.2	1.028



2000 NJ-34, A-2
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MURDOCH ENGINEERING	Murdoch Engineering		SK-1
	N. Nehila, PE		Sep 01, 2026 at 12:18 PM
			Sign frame.r3d

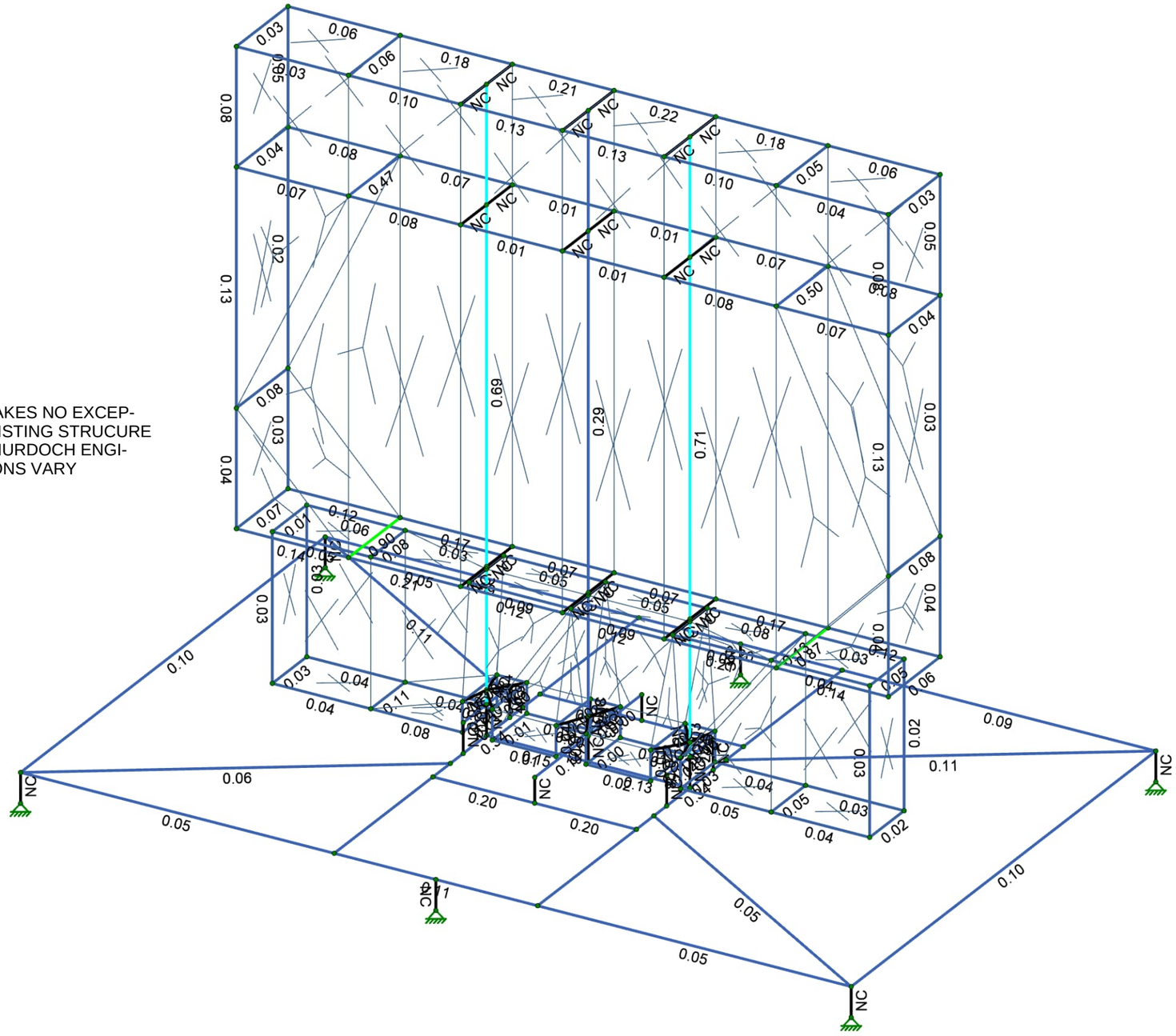
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DESIGN LOADS				
Wind V =	110	mph	Exposure	C
			Risk Cat.	II

Code Check (LC 1)

- No Calc
- > 1.0
- .90-1.0
- .75-.90
- .50-.75
- 0.-.50

NOTE:
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TION TO THE RE-USE OF EXISTING STRUCURE
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Member Code Checks Displayed
Results for LC 1, 1.0D+0.6W

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2399 ENASA, x2
SAN ASQUARE, 08736
(972) 571-8215 x0

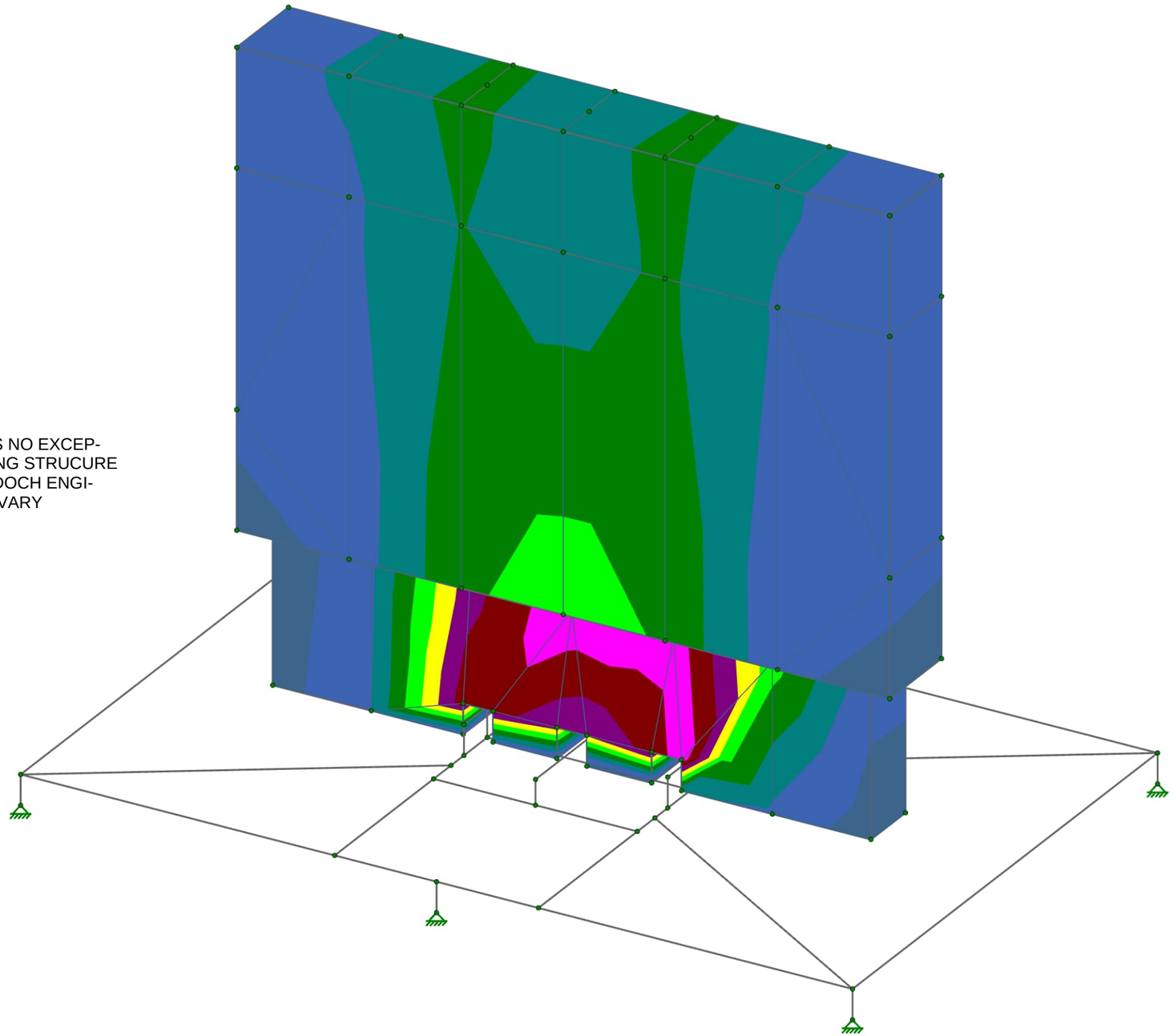
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MURDOCH ENGINEERING	Murdoch Engineering		SK-2
	N. Nehila, PE		Sep 01, 2026 at 12:19 PM
			Sign frame.r3d

Z
X



DESIGN SPECIFICATIONS				
IBC	2024	with	TX	amendments
ASCE	7-22	Minimum Design Loads for Buildings & Other Structures		
ACI 318-19(22)		Building Code Requirements for Structural Concrete		
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DESIGN LOADS				
Wind V =	110	mph	Exposure	C
			Risk Cat.	II

Plate
Von Mises Top
ksi
(LC 1)

- 2.97
- 2.68
- 2.39
- 2.1
- 1.81
- 1.52
- 1.23
- 0.94
- 0.65
- 0.36
- 0.07

NOTE:
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TION TO THE RE-USE OF EXISTING STRUCURE
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NEERING IF FIELD CONDITIONS VARY

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2389 NJ-34, A-2
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(973) 570-8215 x0

MURDOCH ENGINEERING

10/9/2026

Jere Murdoch, PE
Professional Engineer
TX PE Lic. #113937

Results for LC 1, 1.0D+0.6W

MURDOCH ENGINEERING	Murdoch Engineering		SK-3
	N. Nehila, PE		Sep 01, 2026 at 12:19 PM
			Sign frame.r3d

GENERAL:

1. ALL MATERIALS AND WORK SHALL CONFORM TO THE REQUIREMENTS OF THE APPLICABLE INTERNATIONAL BUILDING CODE (IBC).
2. CONSTRUCTION METHODS AND PROJECT SAFETY: DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE METHODS, PROCEDURES, OR SEQUENCE OF CONSTRUCTION. TAKE NECESSARY PRECAUTIONS TO MAINTAIN AND ENSURE THE INTEGRITY OF THE STRUCTURE DURING CONSTRUCTION. THE EOR WILL NOT ENFORCE SAFETY MEASURES OR REGULATIONS. THE CONTRACTOR SHALL DESIGN, CONSTRUCT, AND MAINTAIN ALL SAFETY DEVICES AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE, AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS, AND REGULATIONS.
3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS AND SITE CONDITIONS PRIOR TO THE START OF CONSTRUCTION AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES OR INCONSISTENCIES THAT ARE FOUND. NOTED DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. DO NOT SCALE DRAWINGS.
4. ALL OMISSIONS AND/OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND FIELD INSPECTOR. THE ENGINEER SHALL PROVIDE A SOLUTION PRIOR TO PROCEEDING WITH ANY WORK AFFECTED BY THE CONFLICT OR OMISSION.
5. WHERE NO CONSTRUCTION DETAILS ARE SHOWN OR NOTED FOR ANY PART OF THE WORK, CONSTRUCT IN ACCORDANCE WITH THE STEEL CONSTRUCTION MANUAL, 14TH EDITION OR 2010 ALUMINUM DESIGN MANUAL .
6. WHEN A DETAIL IS IDENTIFIED AS TYPICAL, THE CONTRACTOR IS TO APPLY THIS DETAIL IN ESTIMATING AND CONSTRUCTION TO EVERY LIKE CONDITION WHETHER OR NOT THE REFERENCE IS REPEATED IN EVERY INSTANCE.
7. ANY CHANGE TO THE DESIGN AS SHOWN ON THE DRAWINGS REQUIRES PRIOR WRITTEN APPROVAL FROM DESIGN ENGINEER OF RECORD BEFORE CONSTRUCTION.
8. WORK PERFORMED IN CONFLICT WITH THE STRUCTURAL DRAWINGS OR APPLICABLE BUILDING CODE REQUIREMENTS SHALL BE CORRECTED AT THE EXPENSE OF THE CONTRACTOR.
9. VERIFICATION: VERIFY ALL DIMENSIONS, ELEVATIONS, AND SITE CONDITIONS BEFORE STARTING WORK. NOTIFY THE EOR IMMEDIATELY OF ANY DISCREPANCIES.

EXISTING CONDITIONS:

1. IF EXISTING CONDITIONS ARE NOT AS DETAILED IN THIS DESIGN, THE INSTALLER SHALL CEASE WORK AND NOTIFY MURDOCH ENGINEERING IMMEDIATELY.
2. MURDOCH ENGINEERING WILL NOT BE PERFORMING ON-SITE INSPECTIONS OR VERIFICATIONS. IT IS THE RESPONSIBILITY OF THE INSTALLER, STRUCTURE OWNER, AND PROPERTY OWNER TO IDENTIFY EXISTING CONDITIONS AND CONTACT MURDOCH ENGINEERING WITH ANY DISCREPANCIES OR CONCERNS.
3. INSTALLER SHALL CONFIRM THE DIAMETER AND THICKNESS OF EXISTING MEMBERS AND NOTIFY MURDOCH ENGINEERING OF ANY DISCREPANCIES.
4. INSTALLER SHALL INSPECT AND CONFIRM THE QUALITY OF EXISTING STRUCTURE AS "IN GOOD REPAIR". IF THERE ARE ANY INDICATIONS THAT THIS IS NOT THE CASE, INSTALLER SHALL CEASE WORK IMMEDIATELY AND NOTIFY MURDOCH ENGINEERING.
5. ANY EXISTING INFORMATION SHOWN HAS BEEN FURNISHED BY THE PERSON(S) OR COMPANY THIS DOCUMENT WAS PREPARED FOR (SEE TITLE BLOCK). MURDOCH ENGINEERING IN NO WAY CERTIFIES THIS INFORMATION AS "AS-BUILT". IF THERE IS ANY REASON TO BELIEVE THE EXISTING CONDITIONS DETAILED HEREIN ARE NOT ACCURATE, MURDOCH ENGINEERING SHALL BE NOTIFIED IMMEDIATELY.

STEEL

1. STEEL SHAPES SHALL CONFORM TO THE FOLLOWING:

ROUND HSS	ASTM A500, GR B	Fy=42 KSI MIN.
SQUARE/RECT HSS	ASTM A500, GR B	Fy=46 KSI MIN.
THREADED ROD	F1554 GR 55	Fy=55 KSI MIN.
STEEL PLATE STD.	ASTM A36 ASTM	Fy=36 KSI MIN.
PIPE	A53, GR B	Fy=35 KSI MIN.

2. BOLTS SHALL CONFORM TO ASTM A325 UNO.
3. BOLTS AND THREADED ROD SHALL BE HOT-DIP GALVANIZED PER ASTM F2329 UNO.
4. ANCHOR BOLTS SHALL CONFORM TO ASTM F1554 UNO.
5. NUTS SHALL CONFORM TO ASTM A563.
6. WASHERS SHALL CONFORM TO ASTM F844.
7. STEEL HARDWARE SHALL BE HOT-DIP GALVANIZED PER ASTM A153 UNO
8. WELDING:
   a. WELD STRUCTURAL STEEL IN COMPLIANCE WITH ANSI/AWS D1.1 AND AISC SPECIFICATION, CHAPTER J. WELDERS SHALL BE CERTIFIED AS REQUIRED BY GOVERNING CODE AUTHORITY. WELDING SHALL BE DONE BY ELECTRIC ARC PROCESS USING LOW-HYDROGEN ELECTRODES WITH SPECIFIED TENSILE STRENGTH NOT LESS THAN 70 KSI UNLESS NOTED OTHERWISE.
   b. ALL SHOP AND FIELD WELDS SHALL BE PERFORMED BY AN AWS OR ICC CERTIFIED WELDER WITH ACTIVE STATUS AT TIME OF WELDING
   c. UNLESS A LARGER WELD SIZE IS INDICATED, PROVIDE MINIMUM SIZE WELDS PER AISC SPECIFICATION, SECTION J2, TABLE J2.4
   d. BASE PLATES SHALL BE WELDED ON TOP AND BOTTOM WITH CONTINUOUS WELDS OF AT LEAST 1/4" (IF PLATE IS CUT TO FIT TUBE INTO PLATE)

ALUMINUM:

1. FABRICATE AND ERECT ALUMINUM IN COMPLIANCE WITH THE ALUMINUM ASSOCIATION (AA) 2010 ALUMINUM DESIGN MANUAL (ADM) 1, THE SPECIFICATIONS FOR ALUMINUM SHEET METAL WORK (ASM35), AND IBC CHAPTER 20.
2. PIPE AND TUBE SHALL BE 6061-T6 PER ASTM B241 OR B429 WITH Ftu=38 KSI MIN, Fty=35 KSI MIN, Ftuw=24 KSI MIN, Ftyw=15 KSI MIN.
3. STD STRUCTURAL PROFILES SHALL BE 6061-T6 PER B308 WITH Ftu=38 KSI MIN, Fty=35 KSI MIN, Ftuw=24 KSI MIN, Ftyw=15 KSI MIN.
4. SHEET AND PLATE SHALL BE 6061-T6 PER ASTM B209 WITH Ftu=42 KSI MIN, Fty=35 KSI MIN, Ftuw=24 KSI MIN, Ftyw=15 KSI MIN.
5. EXTRUSIONS SHALL BE 6061-T6 PER ASTM B241 OR B429 WITH Ftu=38 KSI MIN, Fty=35 KSI MIN, Ftuw=24 KSI MIN, Ftyw=15 KSI MIN.
6. ALL SHOP AND FIELD WELDS SHALL BE PERFORMED BY AN AWS OR ICC CERTIFIED WELDER WITH CURRENT STATUS AT TIME OF WELDING
7. UNLESS A LARGER WELD SIZE IS INDICATED, PROVIDE MINIMUM SIZE WELD PER ADM. ALL ALUMINUM WELDED JOINTS SHALL HAVE WELD SIZES OF AT LEAST $\frac{1}{4}$ INCH
8. FILLET WELDS SHALL NOT EXCEED THINNEST MEMBER WALL THICKNESS JOINED.
9. ALUMINUM WELD FILLER SHALL BE 5356 ALLOY
10. WELDING PROCESS GMAW OR GTAW SHALL BE IN ACCORDANCE WITH AWS D1.2 ⁻
11. ALUMINUM CHANNEL LETTERS SHALL BE CONSTRUCTED OF 0.090" RETURNS AND 0.125" BACKS MINIMUM, UNLESS A LARGER SIZE IS INDICATED ON DRAWINGS. THIS NOTE SHALL SUPERCEDE DRAWING DETAILS.
12. PROVIDE NEOPRENE GASKET BETWEEN DISSIMILAR METALS TO PREVENT GALVANIC CORROSION
13. ALUMINUM DIRECTLY EMBEDDED INTO CONCRETE SHALL BE CAPPED AT BOTTOM AND COATED WITH BITUMINOUS COATING OR POLYURETHANE WHERE IN CONTACT WITH CONCRETE.
14. FASTENERS BETWEEN DISSIMILAR METALS SHALL BE STAINLESS STEEL 316.

SCOPE OF WORK:

1. LIMITS OF LIABILITY TO EXTEND ONLY TO THE QUANTITY INDICATED. ATTEMPTS IN PART OR IN WHOLE TO INSTALL GREATER QUANTITIES THAN THOSE SPECIFIED WITHOUT CONSULTING MURDOCH ENGINEERING SHALL VOID ALL PROFESSIONAL LIABILITY AND COVERAGE.

DESIGN SPECIFICATIONS				
IBC	2024	with	TX	amendments
ASCE	7-22	Minimum Design Loads for Buildings & Other Structures		
ACI 318-19(22)		Building Code Requirements for Structural Concrete		
AISC	360-16	Specification for Stuctural Steel Buildings		

DESIGN LOADS				
Wind V =	110	mph	Exposure	C
			Risk Cat.	II

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10/9/2026

Jere Murdoch, PE
Professional Engineer
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DWG TITLE:
GENERAL NOTES

SHEET:	SIZE:
S.1	**B**