



Hackensack
Meridian *Health*



Jersey Shore University Medical Center

19-21 Davis Avenue
Neptune, NJ 07753

Recommendation Brand Book

Created: 04/10/2024
Designer: RJW
PSCO Ref: B108572

DESIGN SPECIFICATIONS				
IBC	2021	with	NJ	amendments
ASCE	7-16	Minimum Design Loads for Buildings & Other Structures		
ACI	318-19	Building Code Requirements for Structural Concrete		
ANSI/AISC	360-16	Specification for Structural Steel Buildings		
DESIGN LOADS				
Wind	V =	130 mph		
Exposure	C			
Risk Cat.	III			
Grnd. Snow	Pg =	20 psf		

VERSION Summary

#	DATE	VERSION	DE	COMMENT
1	04/10/2024	Initial	RJW	---
2	04/29/2024	Rev 01	RJW	Revised size of E02.
3	05/16/2024	Rev 02	RJW	Revise "Hope" to be all caps.
4	02/26/2025	Rev 03	RJW	Revise address, add images.
5	04/29/2025	Rev 04	RJW	Revise E02
6	05/02/2025	Rev 05	RJW	Revised for variance




2399 NJ-34, A-2
MANASQUAN, NJ 08736
(973) 571-8215 x0
Jere Murdoch
Jere Murdoch, PE
Professional Engineer
NJ PE Lic. #48980
3/19/2025
REV 5-6-25



SIGN INVENTORY

[illegible]

 PHILADELPHIASIGN BRINGING THE WORLD'S BRANDS TO LIFE	TITLE	Hackensack Meridian	DWG BY	RJW	DATE	04.10.2024	DATE 04/29/24 05/16/24 02/26/25 REVISION REVISE SIZE OF E02 REVISE "HOPE" TO BE ALL CAPS REVISE ADDRESS, ADD IMAGES	BY RJW RJW RJW	THIS IS AN ORIGINAL UNPUBLISHED DRAWING CREATED BY P.S.C.O. IT IS SUBMITTED FOR A PERSONAL USE IN CONJUNCTION WITH A PROJECT BEING PLANNED FOR YOU BY P.S.C.O. IT IS NOT TO BE SHOWN TO ANYONE OUTSIDE YOUR ORGANIZATION NOR IS IT TO BE USED, COPIED, REPRODUCED, OR EXHIBITED IN ANY FASHION.
	ADDRESS	HMH-002 Jersey Shore University Medical Center 19-21 Davis Avenue Neptune, NJ 07753	DWG NUM	B108572					
	SHEET	2							



EXISTING



PROPOSED

Sign Rendered Proportional to Photo

DESIGN SPECIFICATIONS				
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COLOR SCHEDULE

PMS 3005 C
Medium Blue

- SIGN TYPE.

Custom Dimensional Letters
- DESCRIPTION. . . .

Non-Illuminated Blue Aluminum Dimensional Letters
- DIMENSIONS. . . .

3' 6" Cap Ht x 108' 0" OAL
- Logo Ht.

--
- Main Letter Ht. . . .

3' 6"
- Sub Letter Ht.

--
- SQUARE FOOTAGE

378 SF
- COMMENTS.

This area is a busy valet parking area - special hours may be required for installation. A lift will be needed to remove the interior ceiling panels and access the back of the wall if required.
- SCALE.

NTS

108' 0"

3' 6"

Dr. Robert H. and Mary Ellen Harris HOPE Tower

Scale: 3/32" = 1' 0"

STATE OF NEW JERSEY

JERE MURDOCH

No. 48980

PROFESSIONAL ENGINEER

2399 NJ-34, A-2

MANASQUAN, NJ 08736

(973) 571-8215 x0


3/19/2025

Jere Murdoch, PE

Professional Engineer

NJ PE Lic. #48980

REV 5-6-25

 PHILADELPHIASIGN BRINGING THE WORLD'S BRANDS TO LIFE	TITLE	Hackensack Meridian	DWG BY	RJW	DATE	04.10.2024	DATE	04/29/24	REVISION	BY	THIS IS AN ORIGINAL UNPUBLISHED DRAWING CREATED BY P.S.C.O. IT IS SUBMITTED FOR YOUR PERSONAL USE IN CONJUNCTION WITH A PROJECT BEING PLANNED FOR YOU BY P.S.C.O. IT IS NOT TO BE SHOWN TO ANYONE OUTSIDE YOUR ORGANIZATION NOR IS IT TO BE USED, COPIED, REPRODUCED, OR EXHIBITED IN ANY FASHION.
	ADDRESS	HMH-002 Jersey Shore University Medical Center 19-21 Davis Avenue Neptune, NJ 07753			DWG NUM	B108572	05/16/24	REVISE SIZE OF E02	RJW		
				SHEET	3	02/26/25	REVISE "HOPE" TO BE ALL CAPS	RJW			
							04/29/25	REVISE ADDRESS, ADD IMAGES	RJW		
							05/02/25	REVISE E02	RJW		
								REVISED FOR VARIANCE	RJW		

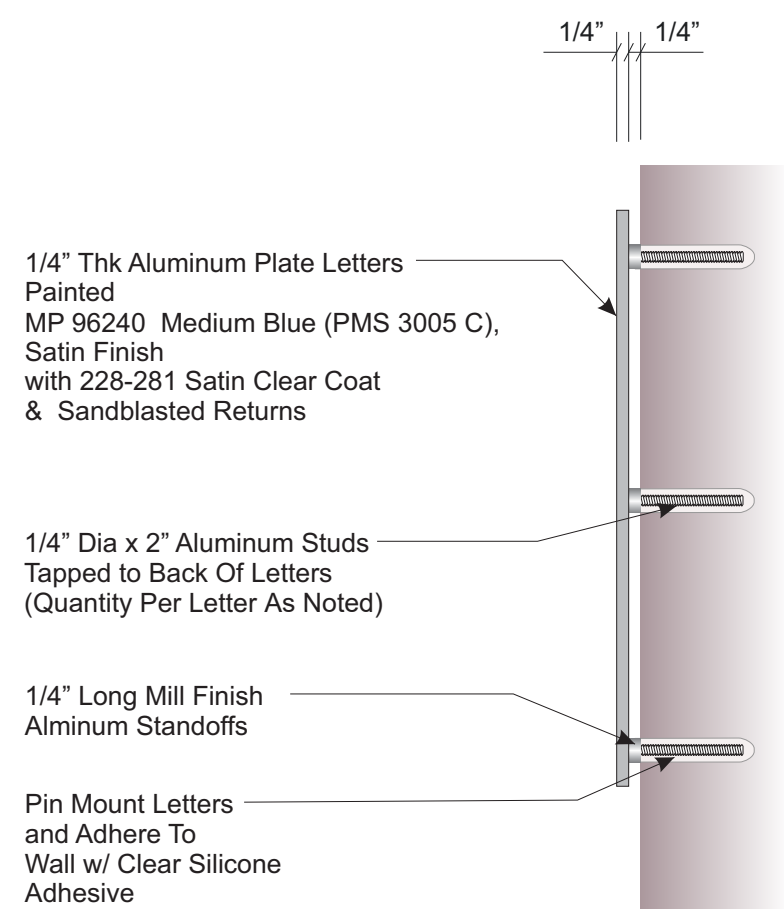
107'- 10 1/2"

TOS not to exceed 32' from grade.

42"

Dr. Robert H. and Mary Ellen Harris HOPE Tower

SIGN E -01
BLUE DIMENSIONAL LETTERS - FRONT ELEVATION
SCALE:1/8" = 1'-0"



SECTION VIEW
SCALE: 3" = 1'-0"

Color Spec

Matthews Paint Mp79568 Medium Blue
To Match PMS 3005C (Satin Finish)

Engineers Connection Note:
Provide Min. 1/4"Ø All Thread studs into a Min. 1-3/4" solid masonry/concrete embedment with GE SCS 2000, or equivalent, silicone adhesive, filling drill holes and coating studs immediately prior to installation as follows:

- 42" Letter I; Provide Five(5) per/letter, evenly spaced and staggered.
- 42" Letters D,R,H,M,E,O,P&T; Provide Eight(8) per/letter evenly spaced.
- Letter i; Provide Four(4) evenly spaced and staggered per/line and Three(3) per/dot.
- Remaining Letters; Provide Six(6) per/letter, evenly spaced and Three(3) per/dot.
- All adhesives must be installed per/manufacture's Tech Guide.
- Contact Murdoch Engineering for revision if field conditions vary.



PHILADELPHIASIGN
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707 West Spring Garden Street
Palmyra, New Jersey 08065

Phone: 856.829.1460
Fax: 856.829.8549
www.philadelphiasign.com


CUSTOMER:
Hackensack Meridian Health DWG NUMBER:
JOB NUMBER: **B-110730**
S117778 / HMH-002

SIGN TYPE:
DIMENSIONAL LTRS

LOCATION:
**1945 Route 33
Neptune, NJ 07753**

DATE:
9/06/24

DRAWN BY:
RVR



2399 NJ-34, A-2
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(973) 578-8215 x0

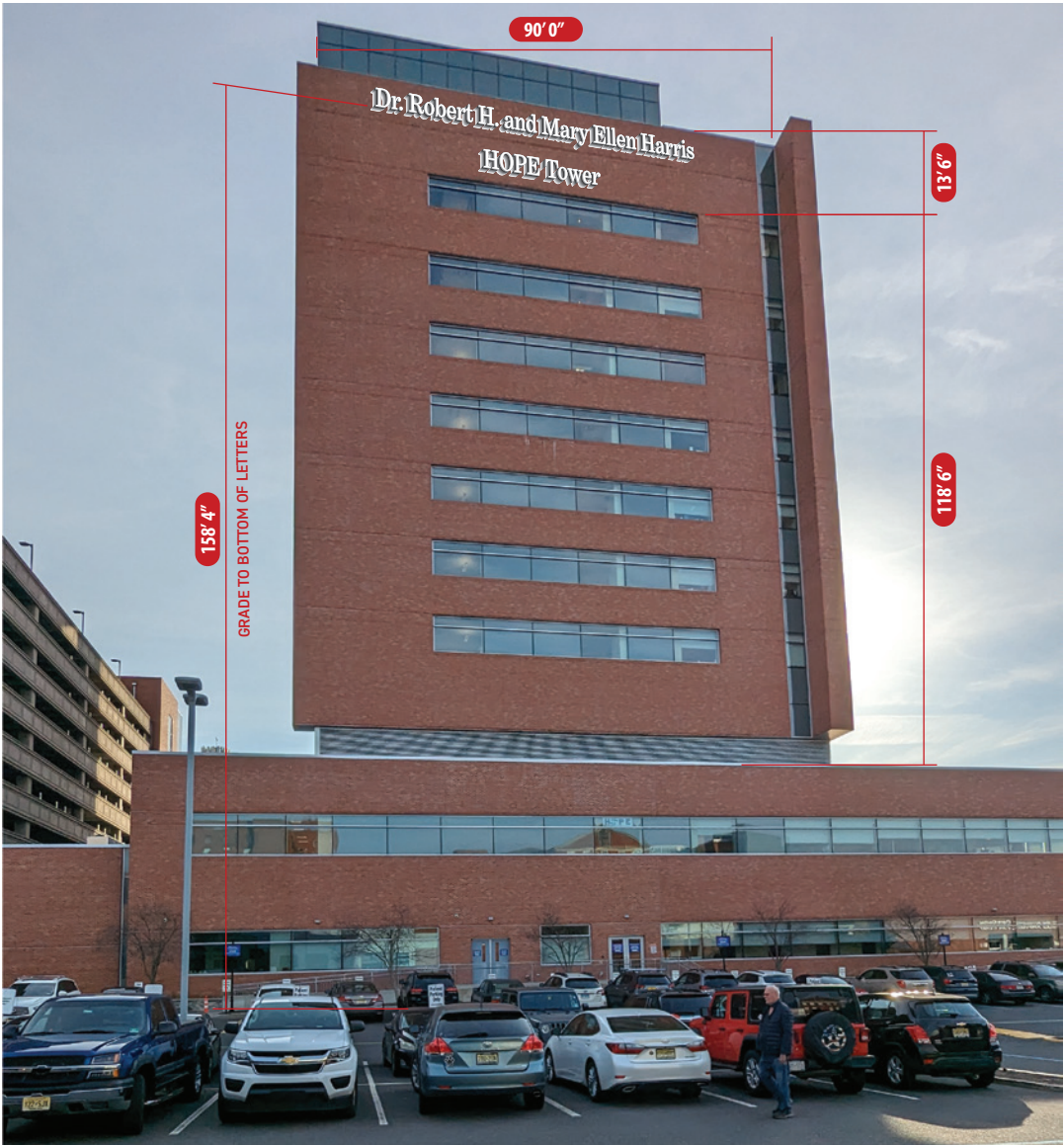
Jerre Murdoch
Jerre Murdoch, PE
Professional Engineer
NJ PE Lic. #48980

MURDOCH ENGINEERING
3/19/2025
REV 5-6-25

DESIGN SPECIFICATIONS				
IBC	2021	with	NJ	amendments
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ACI	318-19	Building Code Requirements for Structural Concrete		
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DESIGN LOADS				
Wind	V =	130 mph		
Exposure	C			
Risk Cat.	III			
Grnd. Snow	Pg =	20 psf		



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Sign Rendered Proportional to Photo

SIGN TYPE. Custom Dimensional Letters

DESCRIPTION. . . . Non-Illuminated White Aluminum Dimensional Letters

DIMENSIONS. . . . 2' 10" H x 62' 5-3/4" W"

Logo Ht. --
Main Letter Ht. . . . 2' 10"
Sub Letter Ht. --


SQUARE FOOTAGE 177.02 SF

COMMENTS. --

SCALE. NTS

Scale: NTS



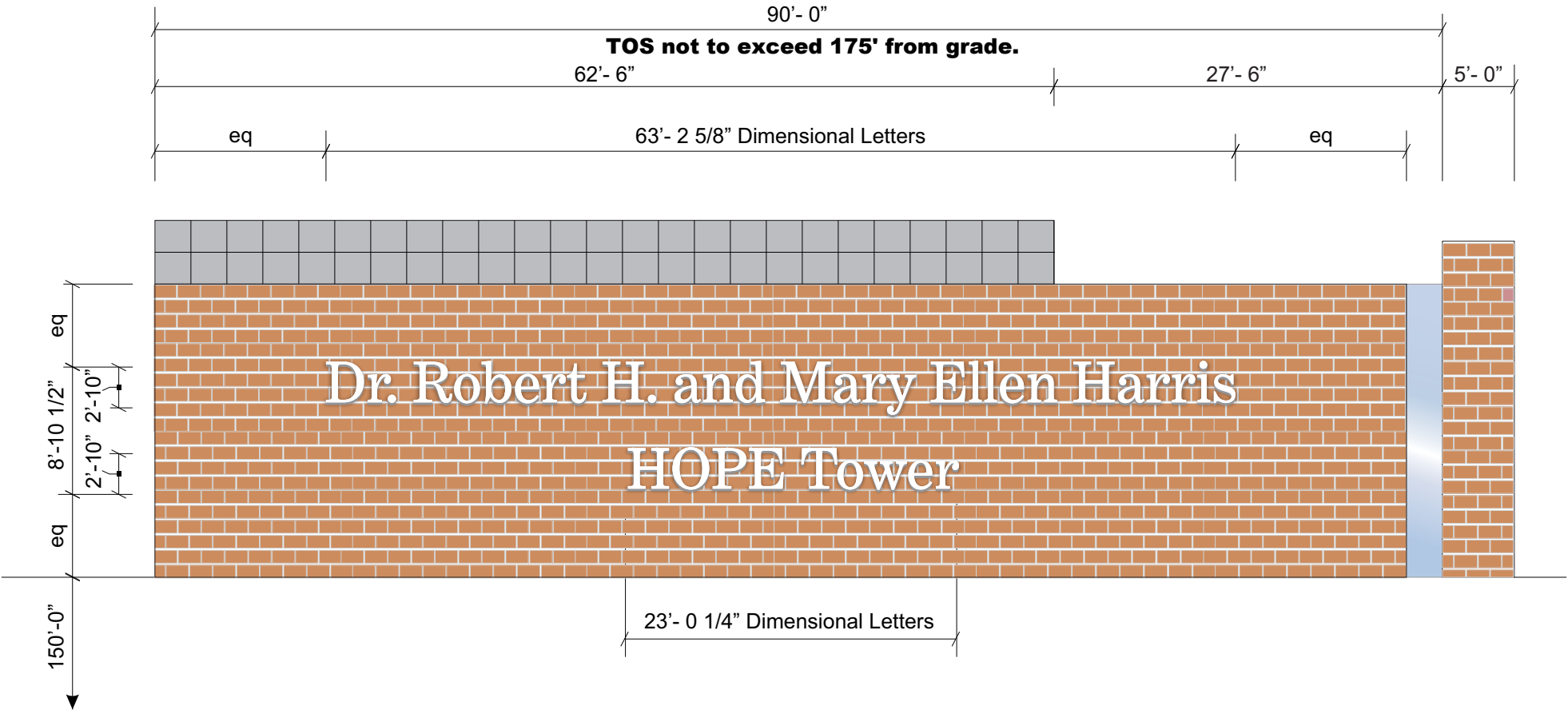
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SIGN E - 02A
WHITE DIMENSIONAL LETTERS - FRONT ELEVATION
SCALE: 3/32" = 1'-0"

1/4" Thk Aluminum Plate Letters
Painted White SVOC 1304 SP
satin Finish with 228-281 Satin Clear Coat
& Sandblasted Returns

1/4" Dia x 2" Aluminum Studs
Tapped to Back Of Letters
(Quantity Per Letter As Noted)

1/4" Long Mill Finish
Aluminum Standoffs

Pin Mount Letters
and Adhere To
Wall w/ Clear Silicone
Adhesive

SECTION VIEW
SCALE: 3" = 1'-0"

Engineers Connection Note:
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- 34" Letter I; Provide Four(4) per/letter, evenly spaced and staggered.
- 34" Letters D,R,H,M,E,O,P&T; Provide Six(6) per/letter evenly spaced.
- Letter i; Provide Three(3) evenly spaced and staggered per/line and Three(3) per/dot.
- Letters b,d&w; Provide Five(5) per/letter, evenly spaced.
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CUSTOMER:
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JOB NUMBER: **B-110730**
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SIGN TYPE:
DIMENSIONAL LTRS

LOCATION:
1945 Route 33
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DATE:
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DRAWN BY:
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Sign Rendered Proportional to Photo

SIGN TYPE. Custom Dimensional Letters

DESCRIPTION. . . . Non-Illuminated White Aluminum Dimensional Letters

DIMENSIONS. . . . 2' 10" H x 23' 0-3/4" W

Logo Ht. --

Main Letter Ht. . . . 2' 10"

Sub Letter Ht. --

SQUARE FOOTAGE 65.34 SF

COMMENTS. --

SCALE. NTS

Scale: NTS

Dr. Robert H. and Mary Ellen Harris

2' 10" | HOPE Tower | 23' 0-3/4"

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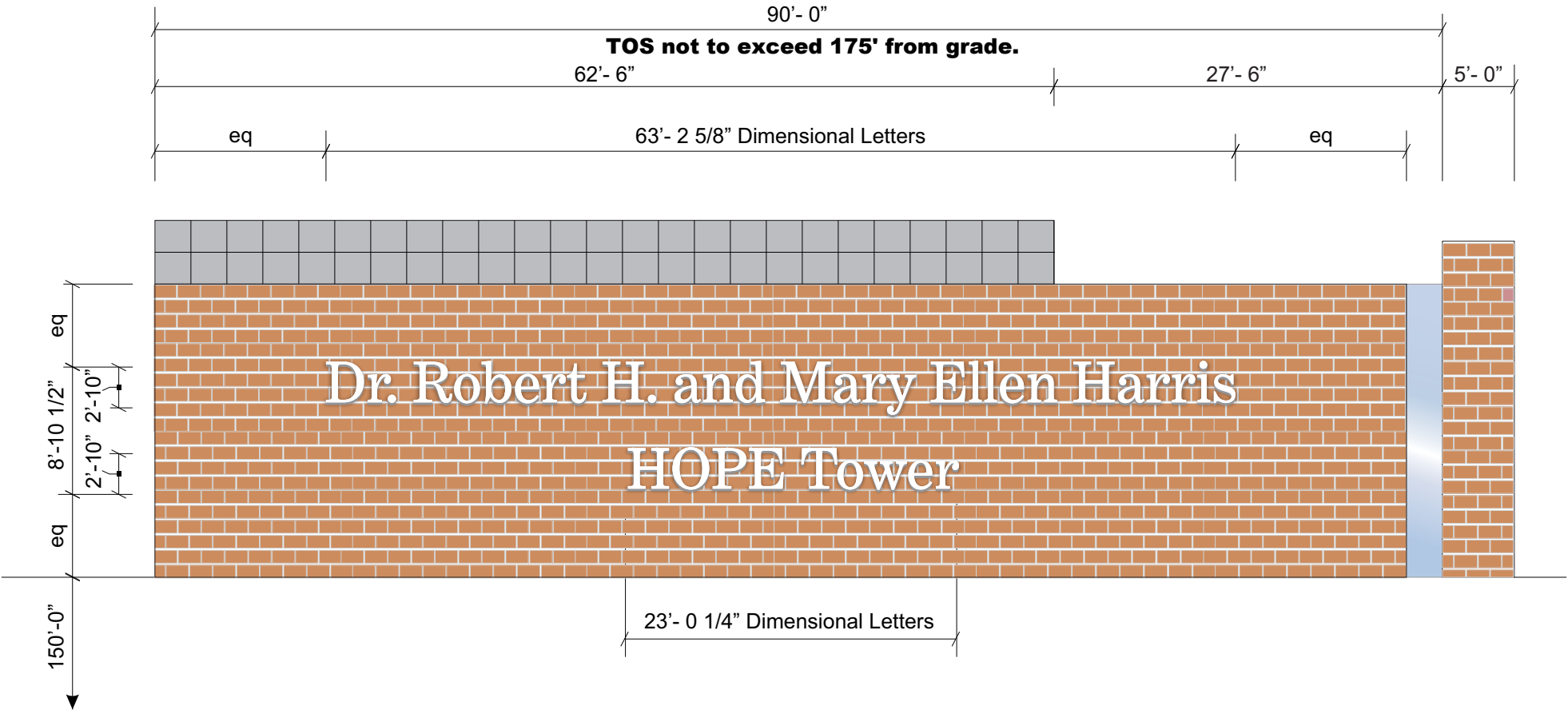
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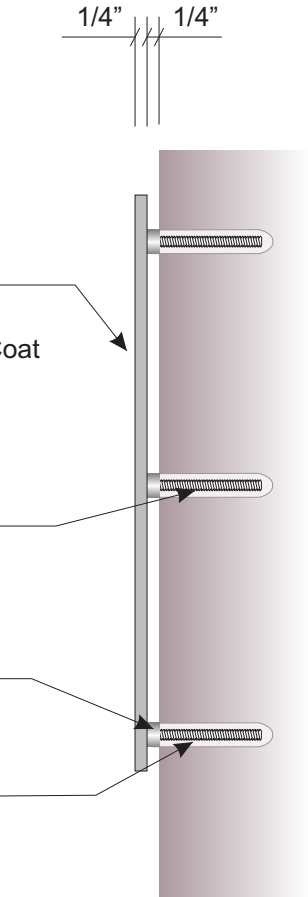
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- **Letters b,d&w; Provide Five(5) per/letter, evenly spaced.**
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Risk Cat.	III			
Grnd. Snow	Pg =	20 psf		

- GENERAL:**
- ALL MATERIALS AND WORK SHALL CONFORM TO THE REQUIREMENTS OF THE APPLICABLE INTERNATIONAL BUILDING CODE (IBC).
 - 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.
 - 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.
 - 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.
 - 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 .
 - 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.
 - ANY CHANGE TO THE DESIGN AS SHOWN ON THE DRAWINGS REQUIRES PRIOR WRITTEN APPROVAL FROM DESIGN ENGINEER OF RECORD BEFORE CONSTRUCTION.
 - WORK PERFORMED IN CONFLICT WITH THE STRUCTURAL DRAWINGS OR APPLICABLE BUILDING CODE REQUIREMENTS SHALL BE CORRECTED AT THE EXPENSE OF THE CONTRACTOR.
 - VERIFICATION: VERIFY ALL DIMENSIONS, ELEVATIONS, AND SITE CONDITIONS BEFORE STARTING WORK. NOTIFY THE EOR IMMEDIATELY OF ANY DISCREPANCIES.

- EXISTING CONDITIONS:**
- IF EXISTING CONDITIONS ARE NOT AS DETAILED IN THIS DESIGN, THE INSTALLER SHALL CEASE WORK AND NOTIFY MURDOCH ENGINEERING IMMEDIATELY.
 - 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.
 - INSTALLER SHALL CONFIRM THE DIAMETER AND THICKNESS OF EXISTING MEMBERS AND NOTIFY MURDOCH ENGINEERING OF ANY DISCREPANCIES.
 - 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.
 - 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.

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Deviations from this drawing shall not be made without consulting Murdoch Engineering. In case of incongruities between drawings, specifications, and details included in contract documents, Murdoch Engineering shall decide which indication must be followed and their decision shall be final.

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- 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 ALL THREAD 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:
- 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.
 - ALL SHOP AND FIELD WELDS SHALL BE PERFORMED BY AN AWS OR ICC CERTIFIED WELDER WITH ACTIVE STATUS AT TIME OF WELDING
 - UNLESS A LARGER WELD SIZE IS INDICATED, PROVIDE MINIMUM SIZE WELDS PER AISC SPECIFICATION, SECTION J2, TABLE J2.4
 - 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:**
- 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.
 - PIPE AND TUBE SHALL BE 6061-T6 PER ASTM B241 OR B429 WITH Ft_u=38 KSI MIN, Fty=35 KSI MIN, Ftuw=24 KSI MIN, Ftyw=15 KSI MIN.
 - STD STRUCTURAL PROFILES SHALL BE 6061-T6 PER B308 WITH Ft_u=38 KSI MIN, Fty=35 KSI MIN, Ftuw=24 KSI MIN, Ftyw=15 KSI MIN.
 - SHEET AND PLATE SHALL BE 6061-T6 PER ASTM B209 WITH Ft_u=42 KSI MIN, Fty=35 KSI MIN, Ftuw=24 KSI MIN, Ftyw=15 KSI MIN.
 - EXTRUSIONS SHALL BE 6061-T6 PER ASTM B241 OR B429 WITH Ft_u=38 KSI MIN, Fty=35 KSI MIN, Ftuw=24 KSI MIN, Ftyw=15 KSI MIN.
 - ALL SHOP AND FIELD WELDS SHALL BE PERFORMED BY AN AWS OR ICC CERTIFIED WELDER WITH CURRENT STATUS AT TIME OF WELDING
 - UNLESS A LARGER WELD SIZE IS INDICATED, PROVIDE MINIMUM SIZE WELD PER ADM. ALL ALUMINUM WELDED JOINTS SHALL HAVE WELD SIZES OF AT LEAST 1/4 INCH
 - FILLET WELDS SHALL NOT EXCEED THINNEST MEMBER WALL THICKNESS JOINED.
 - ALUMINUM WELD FILLER SHALL BE 5356 ALLOY
 - WELDING PROCESS GMAW OR GTAW SHALL BE IN ACCORDANCE WITH AWS D1.2
 - 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.
 - PROVIDE NEOPRENE GASKET BETWEEN DISSIMILAR METALS TO PREVENT GALVANIC CORROSION
 - ALUMINUM DIRECTLY EMBEDDED INTO CONCRETE SHALL BE CAPPED AT BOTTOM AND COATED WITH BITUMINOUS COATING OR POLYURETHANE WHERE IN CONTACT WITH CONCRETE.
 - FASTENERS BETWEEN DISSIMILAR METALS SHALL BE STAINLESS STEEL 316.

- SCOPE OF WORK:**
- 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. ENGINEERING LIABILITY IS LIMITED TO BUILDING CONNECTIONS.



GENERAL NOTES

murdochengineering.com
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PROJECT ADDRESS:

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REV 5-6-25

DESIGN SPECIFICATIONS				
IBC	2021	with	NJ	amendments
ASCE	7-16	Minimum Design Loads for Buildings & Other Structures		
ACI	318-19	Building Code Requirements for Structural Concrete		
ANSI/AISC	360-16	Specification for Structural Steel Buildings		
DESIGN LOADS				
Wind	V =	130 mph		
Exposure	C			
Risk Cat.	III			
Grnd. Snow	Pg =	20 psf		