

PORT OF TACOMA

**WUT ADMIN AND MARINE BUILDING
ROOF PROJECT
PROJECT NO. 201111.01
CONTRACT NO. 071399**

PORT COMMISSIONERS:

RICHARD P. MARZANO
DON MEYER
JOHN MCCARTHY
KRISTIN ANG
DEANNA KELLER

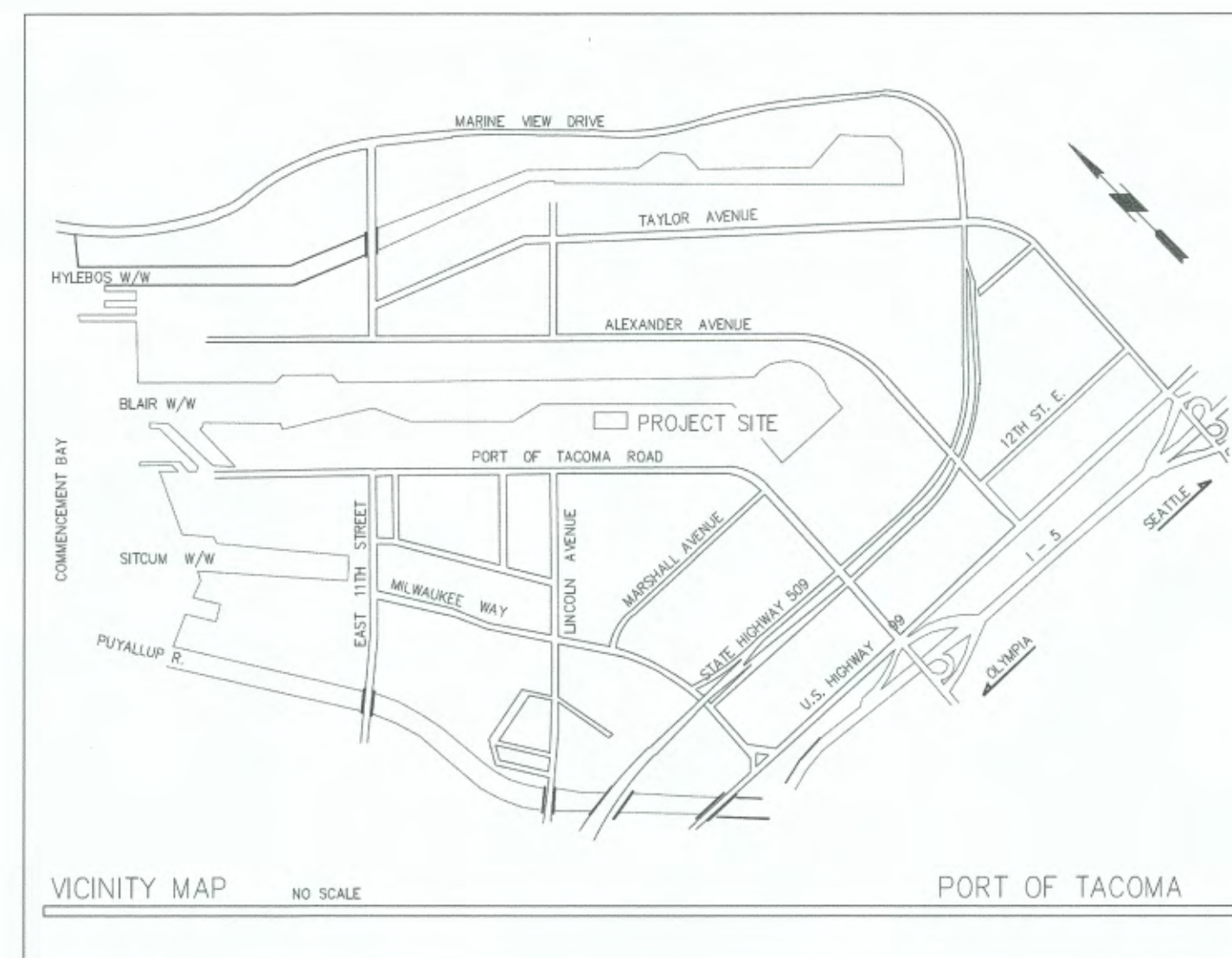
PORT STAFF:

JOHN WOLFE
NWSA Chief Executive Officer

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[illegible]

6647

G1.1

SH1	OF 11
CONT/CONS:	071399
M. ID:	201111.01
PHASE:	100% BID SFT

**WUT ADMIN AND MARINE BUILDING
ROOF PROJECT
COVERSHEET**

APPROVED:

Miss Howard 2/6/2021

CHECKED BY DATE

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PROJ.	ENGR	DATE
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PROJ.	ENGR	DATE
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PROJ. ENGR DATE
Wenther Feb 04, 2021

PROJ. ENGR DATE
Wenther Feb 04, 2021

PROJ. ENGR DATE
Wenther Feb 04, 2021

PORT OF TACOMA RD
WA 98401-1837

Port of
Tacoma

P.O. BOX 1837 TACOMA, WA 98401 (253)385-5841

P.P.R.: DATE:

BY:

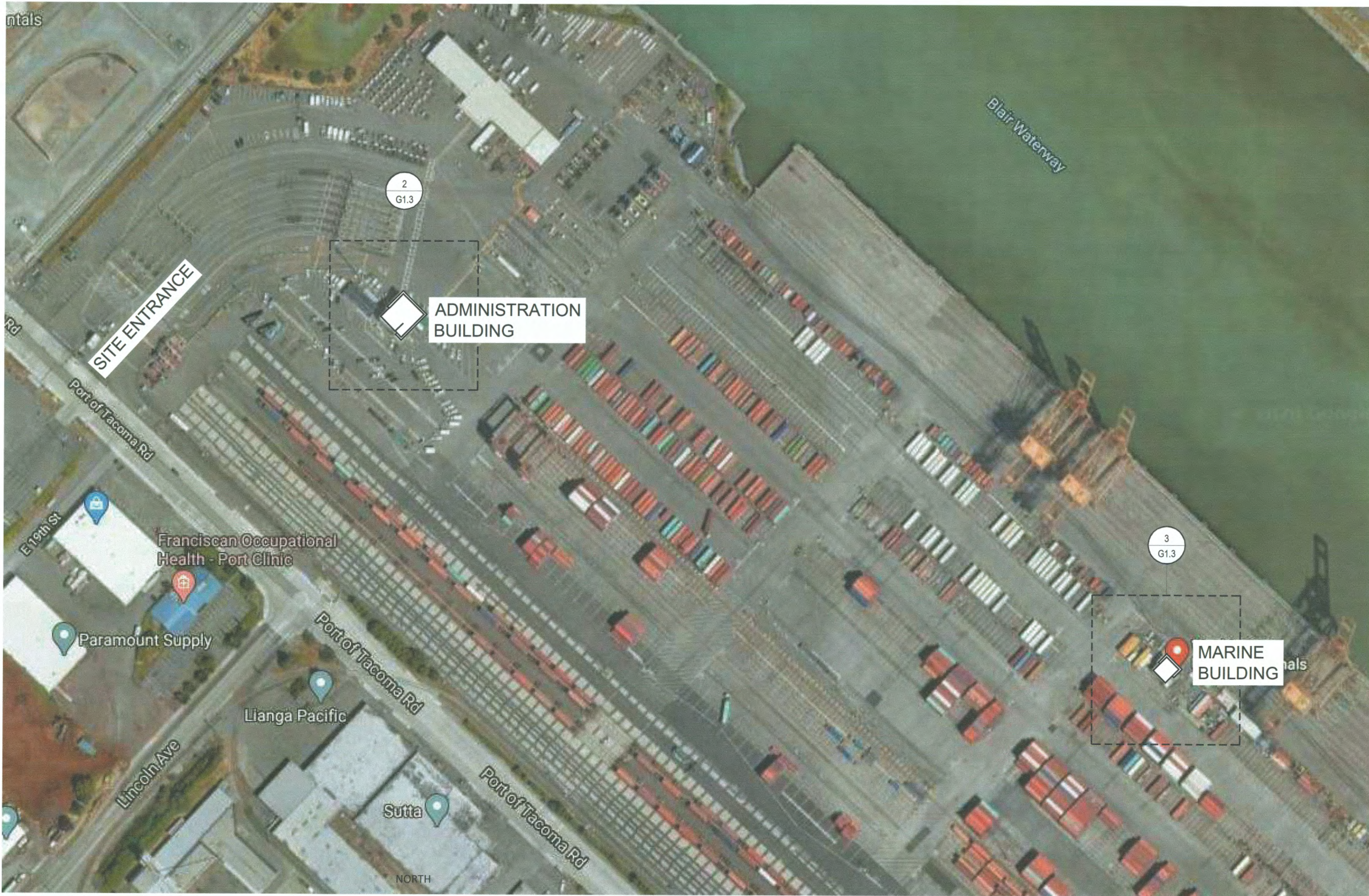
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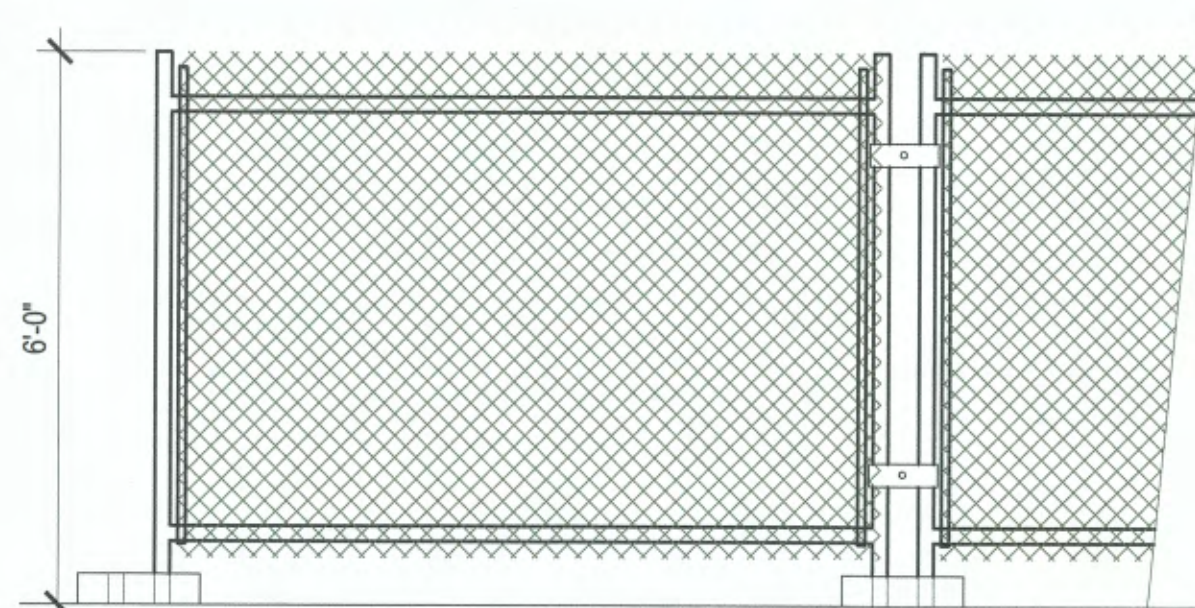
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1 SITE PLAN
SCALE: NTS

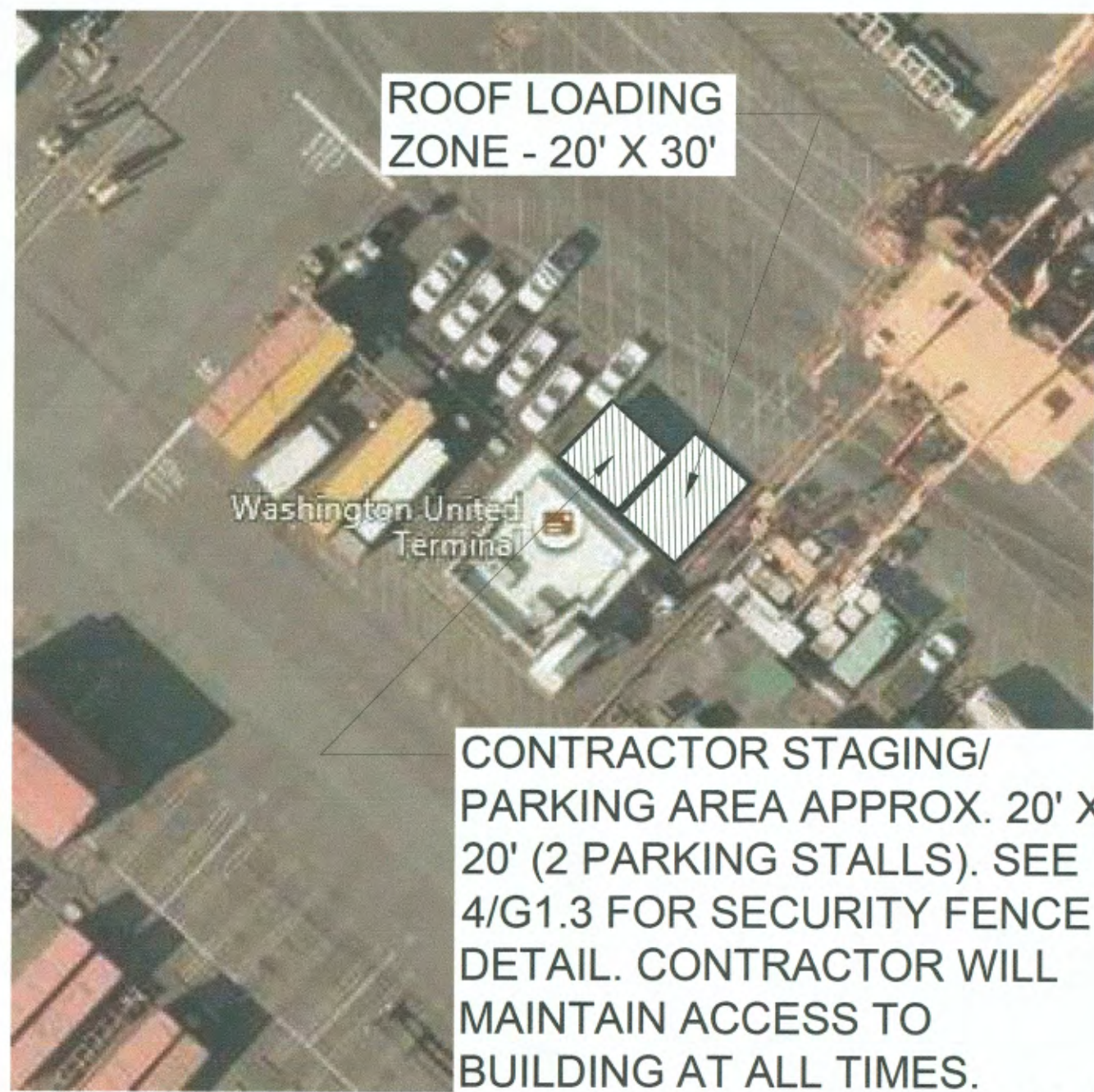


- NOTES:
1. CHAIN LINK TO BE 11 GA. GALVANIZED. NO RUSTED OR EXCESSIVELY MALFORMED FABRIC.
 2. FENCE BASES SHALL BE OF SUFFICIENT WEIGHT AND/OR SPREAD TO ADEQUATELY SUPPORT EACH PANEL.
 3. PANEL-TO-PANEL CONNECTIONS SHALL BE MADE AT A MIN. TWO LOCATIONS PER CONNECTION.
 4. PROVIDE CONSTRUCTION WARNING SIGNS ALONG FENCE INSTALLATION.

4 CONSTRUCTION SECURITY FENCING
SCALE: NTS

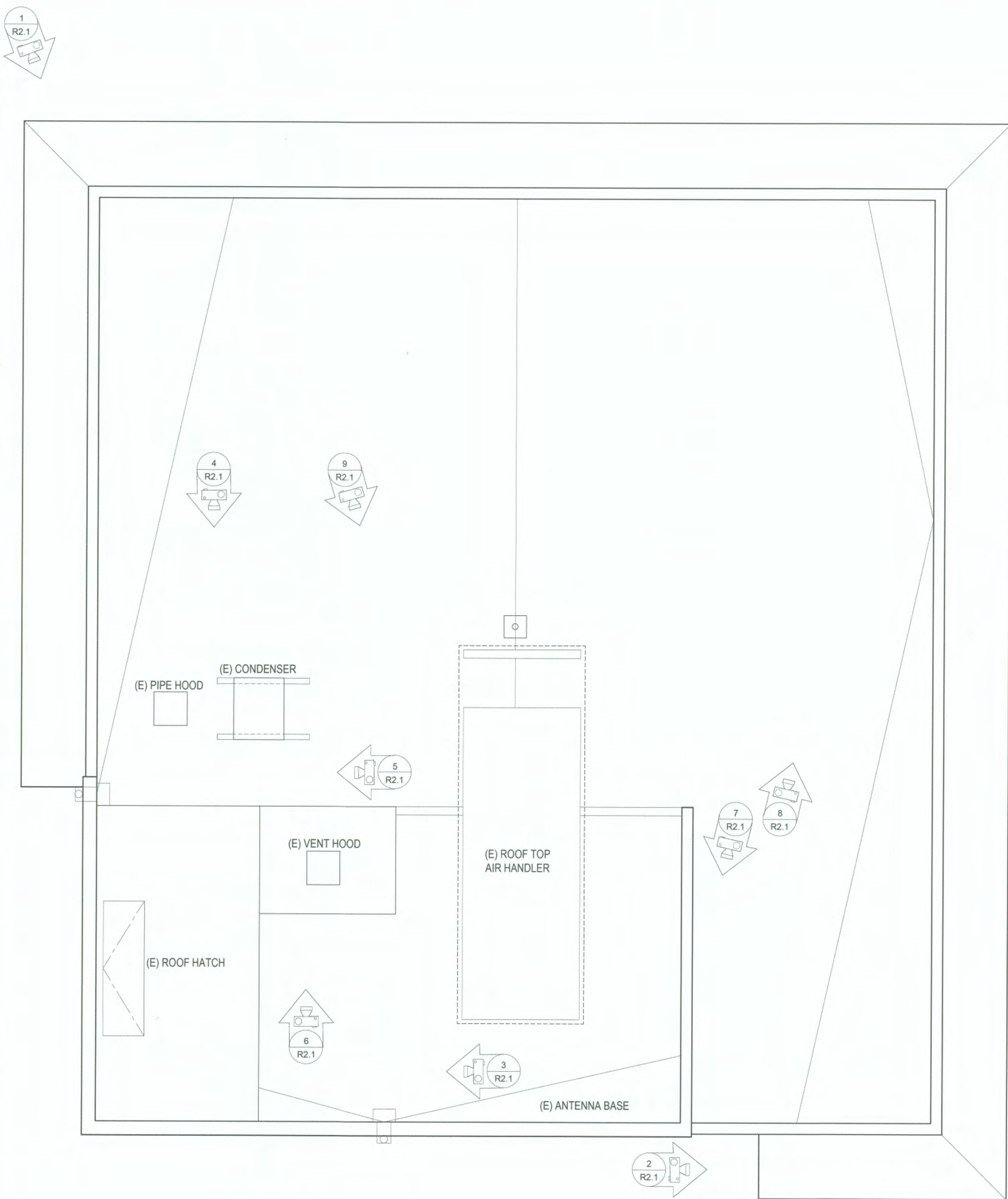


2 ADMINISTRATION BUILDING
SCALE: NTS



3 MARINE BUILDING
SCALE: NTS

6647 G1.3 SH 3 OF 11				WUT ADMIN AND MARINE BUILDING ROOF PROJECT SITE PLAN				APPROVED: 6273 REGISTERED ARCHITECT  JEFFERY O. OSBORN STATE OF WASHINGTON		CHECKED BY: DATE		MARK: REVISION:		BY: DATE:			
CONT/CONS: 071399		TOWNSHIP: 21N		RANGE: 03E		SECTION: 35		PROJECT: MLLW 19.39' @ Tide 22 1933		PRINTED BY: Cary Guenther Feb 04, 2021		PROJ. ENGR DATE		PORT ADDRESS: 1815 PORT OF TACOMA RD		TACOMA, WA 98401-1837	
M. ID: 201111.01		DAT-HRZ: WA83-SF		VERT: MLLW 19.39' @ Tide 22 1933		DRAWING SCALE: AS INDICATED		PARCEL:									
PHASE: 100% BID SET																	



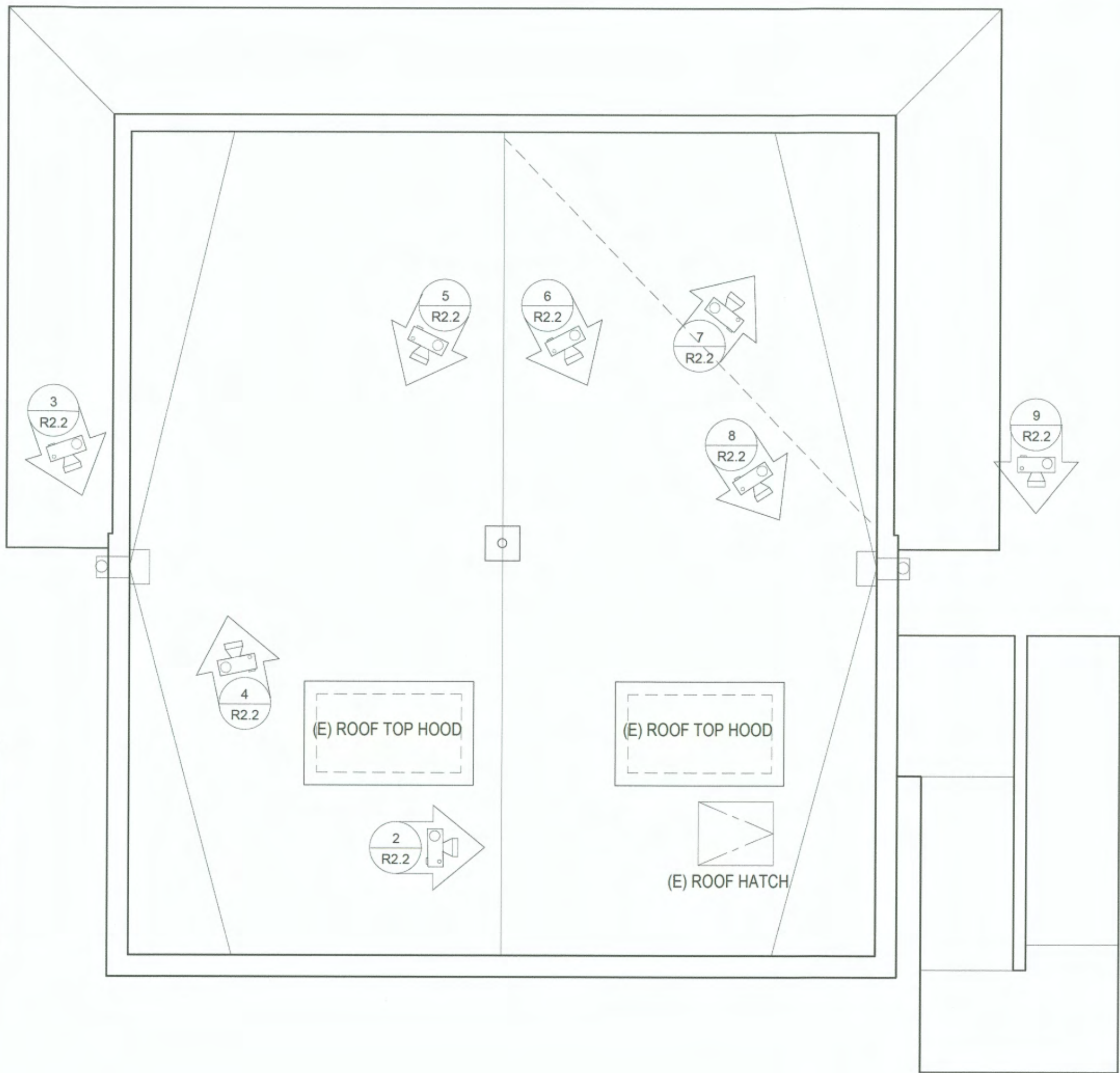
ROOF PLAN - ADMINISTRATION BUILDING

SCALE: 1/4" = 1' - 0"



ROOF PLAN - MARINE BUILDING

SCALE: 1/4" = 1' - 0"



6647
R1.1
SH 4 OF 11

CONT./CONS: 071399
M. ID: 201111.01
PHASE: 100% BID SET

WUT ADMIN AND MARINE BUILDING

ROOF PROJECT

ADMIN AND MARINE BUILDING

PHOTO REFERENCE PLANS

TOWNSHIP: 21N
RANGE: 03E
SECTION: 35
DATE: 201111.01
DAT-HRZ: WA83-SF
VERT: MLLW 19.39' @ Tide 22 1933
PARCEL: DRAWING SCALE: AS INDICATED

APPROVED:

[Signature]
DIRECTOR ENG. DATE

PRINTED BY: Cory Guenther Feb 04, 2021
PORT ADDRESS: 1815 PORT OF TACOMA ROAD
TACOMA, WA 98401-1837

CHECKED BY: DATE

PROJ. ENGR DATE

DATE

REGISTERED ARCHITECT
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JERRY D. OSBORN
STATE OF WASHINGTON

Port of Tacoma
P.O. BOX 1837 TACOMA, WA 98401 (206)385-8441

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3 PARAPET WALL AT ROOF ACCESS
NTS



6 ROOF LEVELS AT ELEVATOR OVER-RUN
NTS



9 CURB AT ROOF TOP AIR HANDLING UNIT
NTS

(E) ROOF HATCH

(E) AIR HANDLING UNIT

(E) ELEVATOR VENT

(E) ELEVATOR OVER-RUN

(E) FALL PROTECTION

(E) AIR HANDLING UNIT



2 ROOF EDGE AT EYEBROW
NTS



5 (E) PIPE SUPPORTS
NTS



8 LOW PARAPET WALL
NTS

(E) CONDENSING UNIT

(E) REFRIGERANT LINE SUPPORTS

(E) SCUPPER

(E) FALL PROTECTION

(E) ROOF EDGE AT EYEBROW



1 ADMINISTRATION BUILDING EXTERIOR VIEW
NTS

LOW PARAPET HT. = 39'-4"

HIGH PARAPET HT. = 43'-0"

THIRD FLOOR EYEBROW

SECOND FLOOR EYEBROW

ENTRANCE CANOPIES

(E) CONDENSING UNIT



4 CONDENSING UNIT
NTS

(E) REFRIGERANT LINES

(E) SHEET METAL HOOD FOR PIPES

7 BASE FLASHING
NTS



(E) HIGH PARAPET

(E) METAL SIDING

(E) DRIP FLASHING

(E) FLASHING MEMBRANE

6647

R2.1

SH 5 OF 11

CONT/CONS: 071399
M. ID: 201111.01
PHASE: 100% BID SET

WUT ADMIN AND MARINE BUILDING
ROOF REPLACEMENTS
ADMINISTRATION BUILDING
PHOTO REFERENCES

TOWNSHIP: 21N
RANGE: 03E
SECTION: 35
DATE-HRZ: WA83-SF
VERT: MLLW 19.39' @ Tide 22 1933
PARCEL: DRAWING SCALE: AS INDICATED

APPROVED:

Steve Hord
DIRECTOR ENG. DATE

PRINTED BY: Cary Guenther Feb 04, 2021
PORT ADDRESS: 1815 PORT OF TACOMA RD
TACOMA, WA 98401-1837

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3
NTS

EDGE CONDITION AT EYEBROW ROOF



6
NTS

(E) ROOF TOP UNIT



9
NTS

ROOF AT STAIR

(E) EYEBROW EDGE FLASHING

(E) ROOF TOP UNIT

(E) ROOF PENETRATIONS

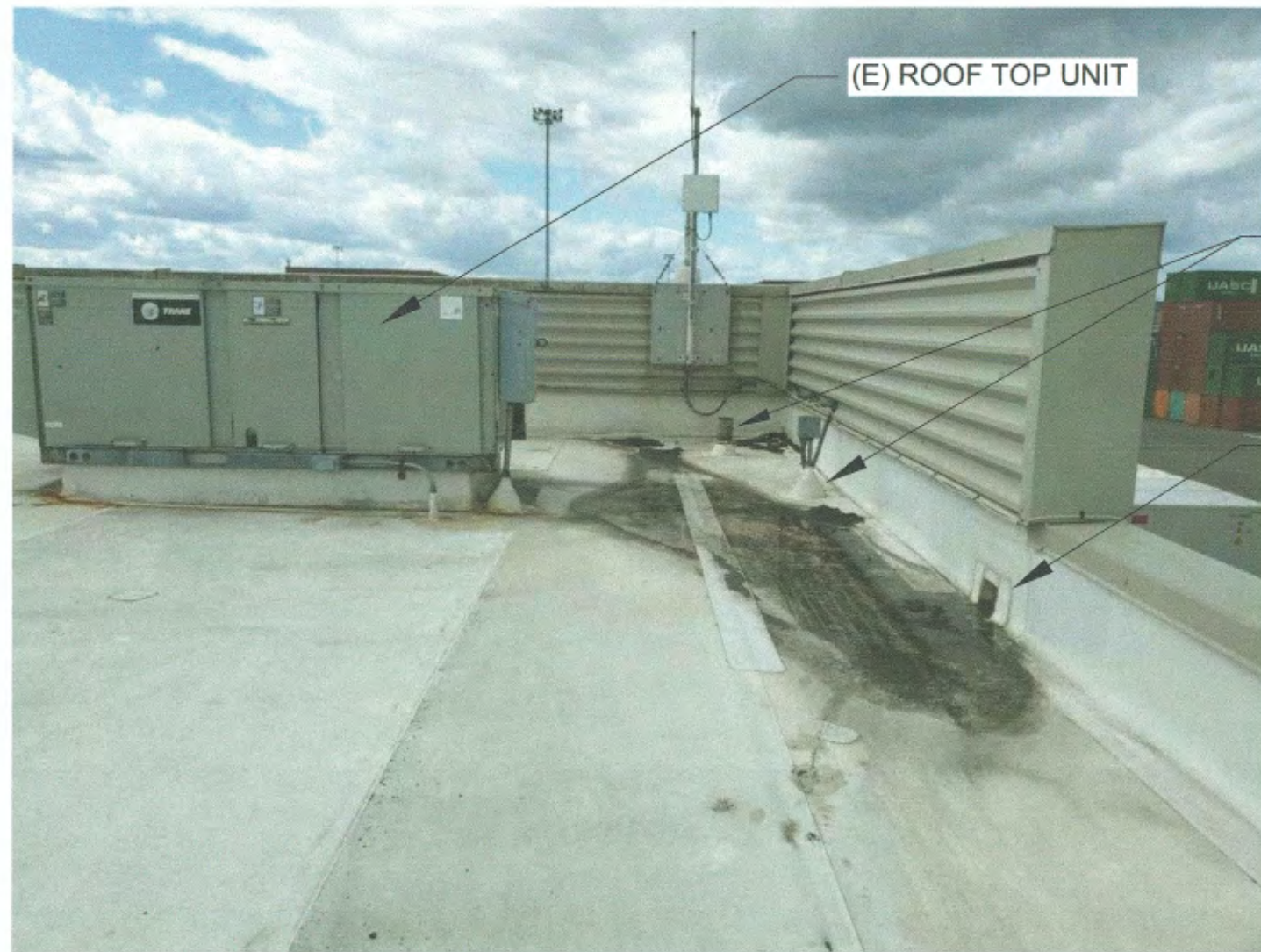
(E) SCUPPER

(E) ROOF OVER STAIRS



2
NTS

(E) ROOF HATCH AND ROOF TOP UNIT



5
NTS

(E) SCUPPER AND ROOF TOP UNIT



8
NTS

(E) SCUPPER

(E) ROOF HATCH

(E) ROOF PENETRATIONS

(E) SCUPPER

(E) ROOF TOP UNIT



1
NTS

MARINE BUILDING



4
NTS

(E) SCUPPER



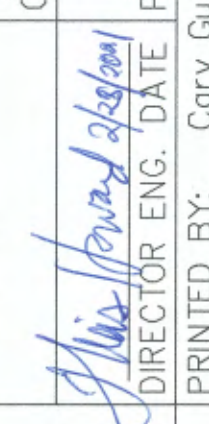
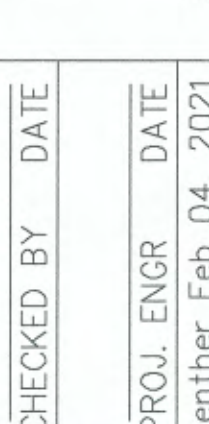
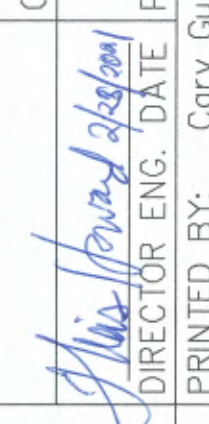
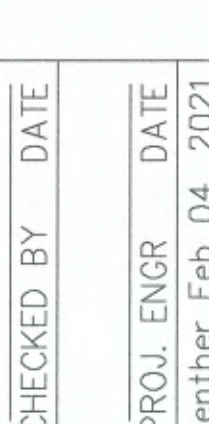
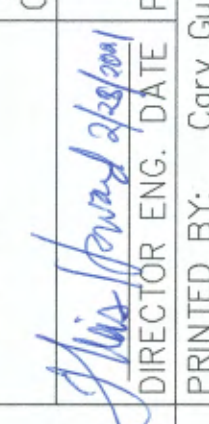
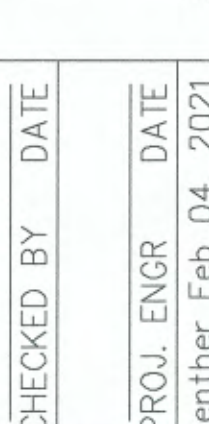
7
NTS

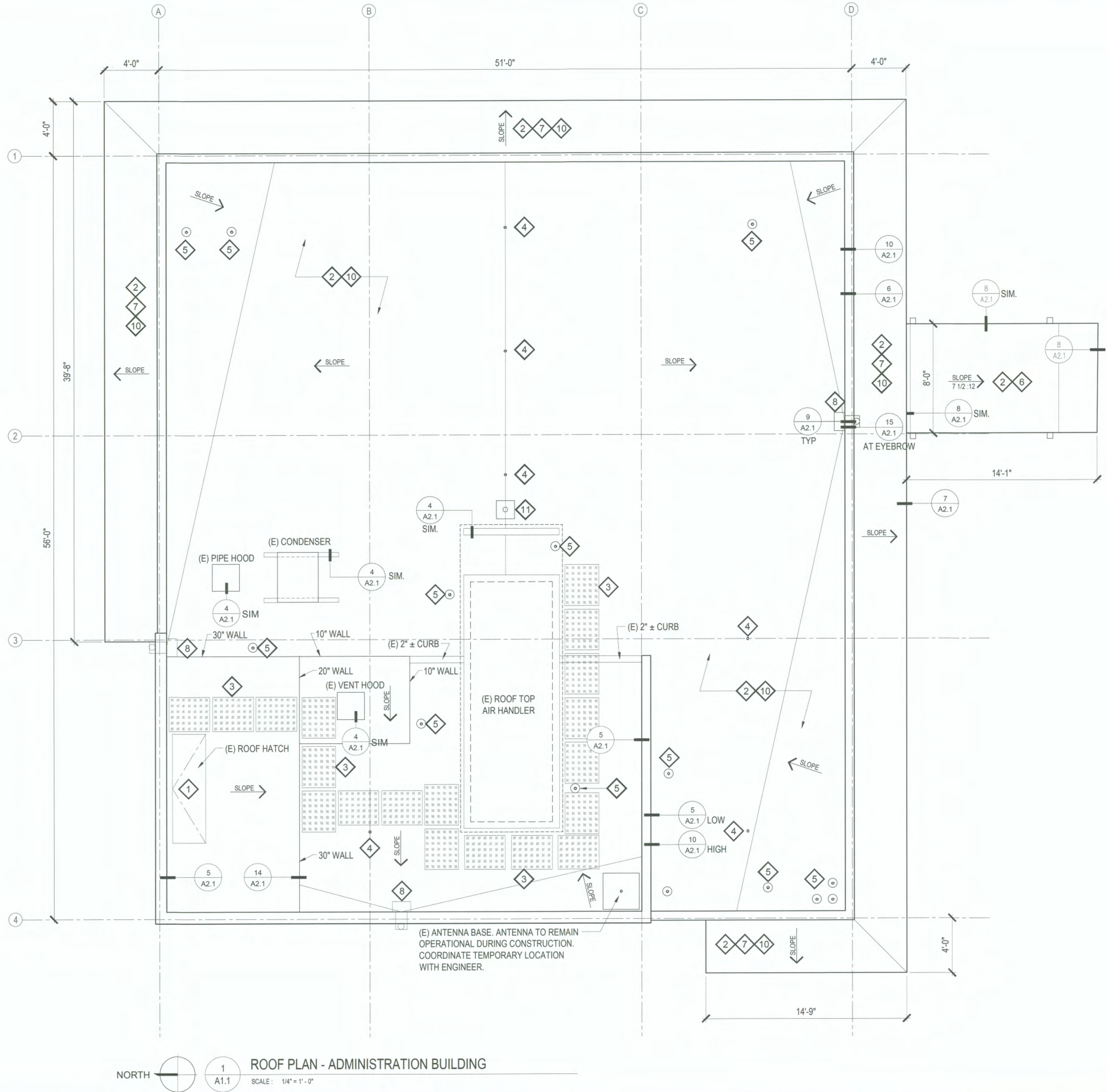
(E) PARAPET AND ROOF PENETRATION

HIGH PARAPET HT. = 28'-6"

LOW PARAPET HT. = 25'-8"

EYEBROW

6647 R2.2 SH 6 OF 11	WUT ADMIN AND MARINE BUILDING ROOF PROJECT				APPROVED: 		CHECKED BY: 	DATE: 
	MARINE BUILDING PHOTO REFERENCES TOWNSHIP: 21N RANGE: 03E SECTION: 35 DAT-HRZ: WA83-SF VERT: MLLW 19.39' @ Tide 22 1933 PARCEL: [DRAWING SCALE: AS INDICATED]				DIRECTOR:  PRINTED BY: Cary Gunther Feb 04, 2021 PORT ADDRESS: 1816 PORT OF TACOMA RD TACOMA, WA 98401-1837		REVISION: 	BY: 
CONT/CONS: 071399 M. ID: 201111.01 PHASE: 100% BID SET		THIS DRAWING IS THE PROPERTY OF THE PORT OF TACOMA AND SHALL NOT BE USED ON OTHER WORK, DISCLOSED, COPIED, IN WHOLE OR IN PART, WITHOUT WRITTEN PERMISSION		REGISTERED ARCHITECT JERRY O. OSBORN STATE OF WASHINGTON 6273		MARK: 		DATE: 



NORTH

1
A1.1

ROOF PLAN - ADMINISTRATION BUILDING

SCALE: 1/4" = 1'-0"

KEYNOTES

- 1 EXISTING ROOF HATCH. REMOVE AND REINSTALL FOR INSTALLATION OF FLASHING AT EQUIPMENT AND PARAPETS.
- 2 NEW COVERBOARD AND PVC ROOF MEMBRANE OVER EXISTING ASSEMBLY. REFER TO EXISTING ROOF ASSEMBLY DETAIL 1/A2.1.
- 3 NEW ROOF WALKWAY PADS.
- 4 EXISTING FALL PROTECTION ANCHOR.
- 5 EXISTING ROOF PENETRATION/STACK VENT. SEE DETAIL 2/A2.1 AND 3/A2.1.
- 6 AVOID PENETRATING ELECTRICAL CONDUIT BELOW EXISTING METAL DECKING WHEN FASTENING COVERBOARD.
- 7 EXISTING EYEBROW ROOF.
- 8 EXISTING SCUPPER AND DOWNSPOUT. SEE DETAIL 9/A2.1.
- 9 EXISTING CANOPY ROOF
- 10 CUT 12" Ø OPENINGS IN EXISTING ROOF MEMBRANE, 1 FOR EACH 200 SF.
- 11 BIRD DETERRENT POLE BASE. SEE DETAIL 13/A2.1.

LEGEND

- (E) ROOF PENETRATION/VENT STACK
- (E) FALL PROTECTION ANCHOR
- SLOPE → ROOF SLOPE
- [Hatched Box] (N) WALKWAY PAD
- BIRD DETERRENT POLE BASE

6647

A1.1

SH 7 OF 11

CONT/CONS: 071399

M. ID: 201111.01

PHASE: 100% BID SET

WUT ADMIN AND MARINE BUILDING

ROOF PROJECT

ADMINISTRATION BUILDING

ROOF PLAN

TOWNSHIP: 21N

RANGE: 03E

DAT-HRZ: WA853-SF

SECTION: 35

VERT: MLW 19.39' @ Tide 22 1933

DRAWING SCALE: AS INDICATED

APPROVED:

DIRECTOR

ENG. DATE

PROJ. ENGR DATE

PRINTED BY: Cary Guenther Feb 04, 2021

PORT ADDRESS: 1815 PORT OF TACOMA RD

TACOMA, WA 98401-1837

Port of Tacoma

P.O. BOX 1837 TACOMA, WA 98401 (253)835-5841

DATE:

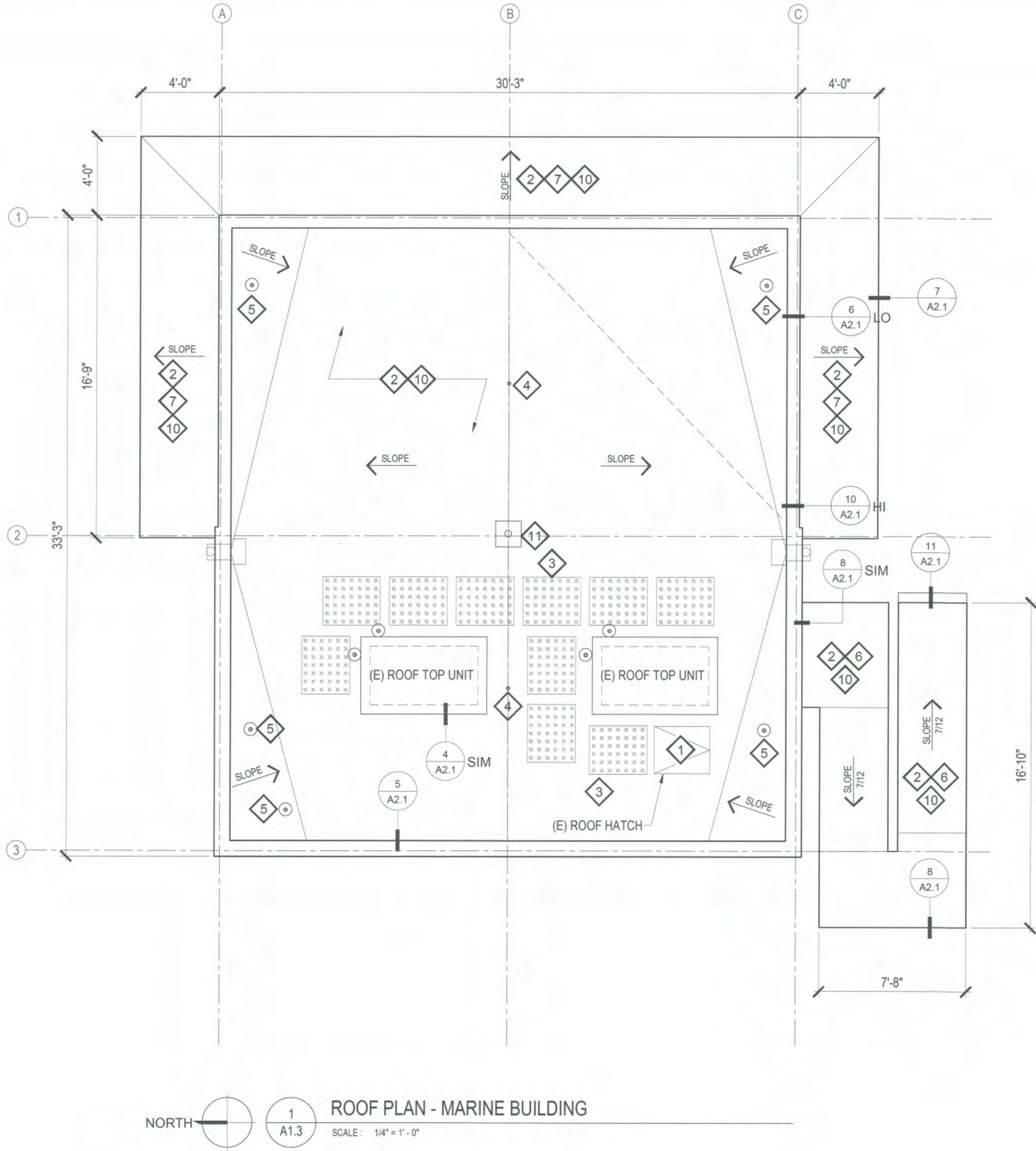
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KEYNOTES

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LEGEND

- (E) ROOF PENETRATION/VENT STACK
- (E) FALL PROTECTION ANCHOR
- ROOF SLOPE
- (N) WALKWAY PAD
- BIRD DETERRENT POLE BASE

6647
A1.3
SH 9 OF 11

CONT/CONS: 071399
M. ID: 201111.01
PHASE: 100% BID SET

WUT ADMIN AND MARINE BUILDING
ROOF PROJECT
MARINE BUILDING
ROOF PLAN

TOWNSHIP: 21N
RANGE: 03E
SECTION: 35
DATE: 201111.01
DAT-HRZ: WA83-SF
VERT: MLLW 19.39' @ Tide 22 1933
PARCEL: DRAWING SCALE: AS INDICATED

APPROVED:

[Signature]
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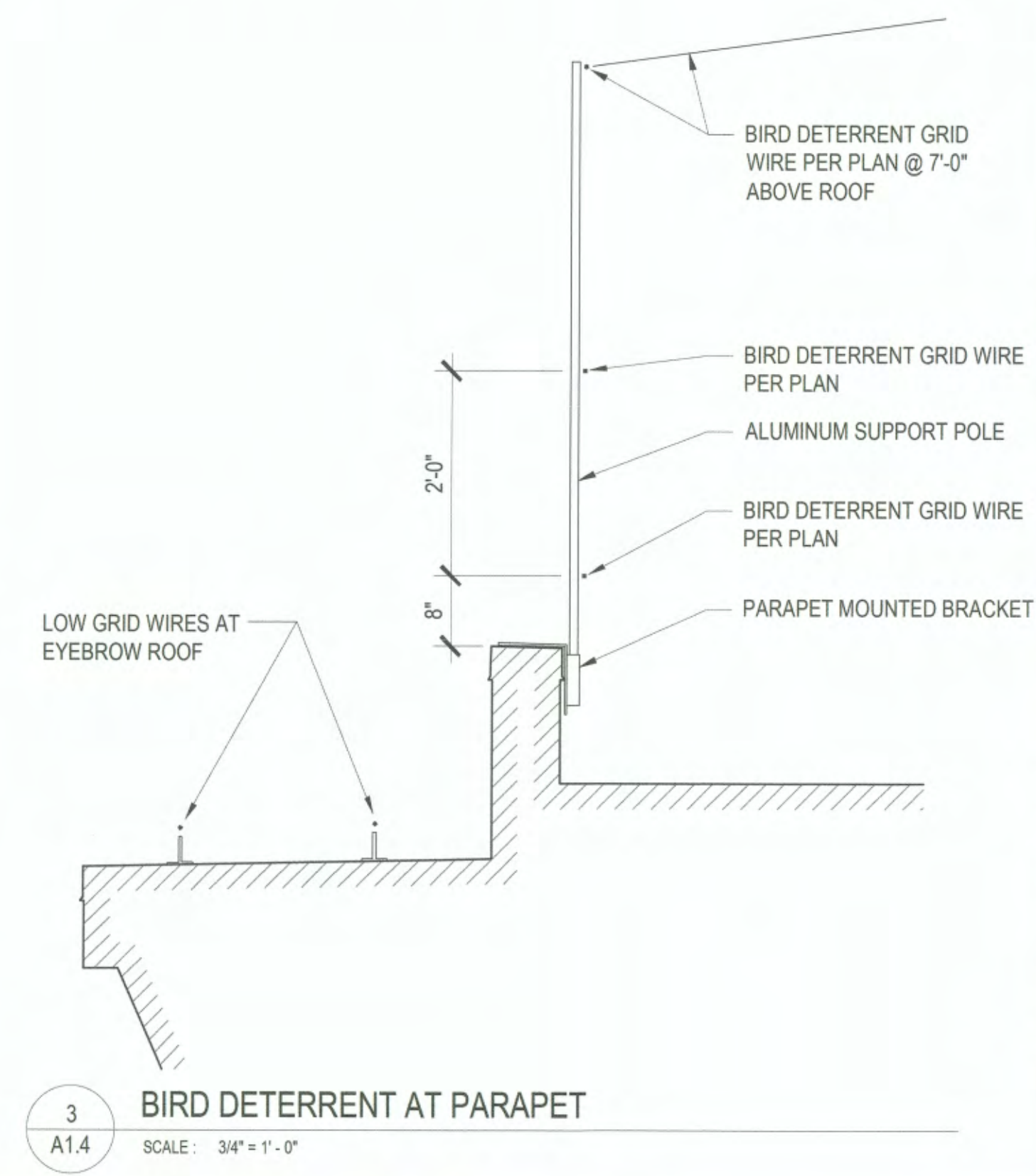
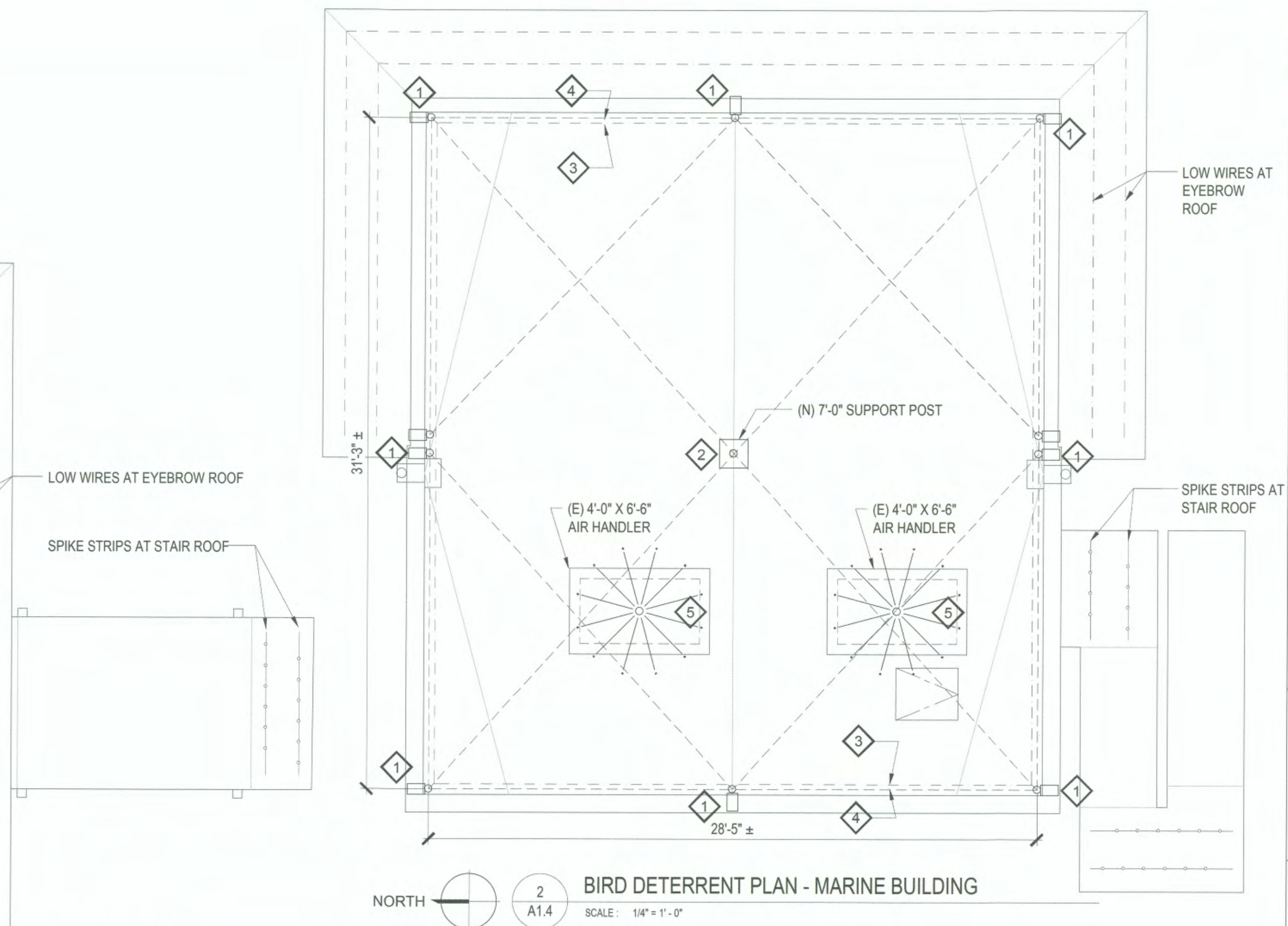
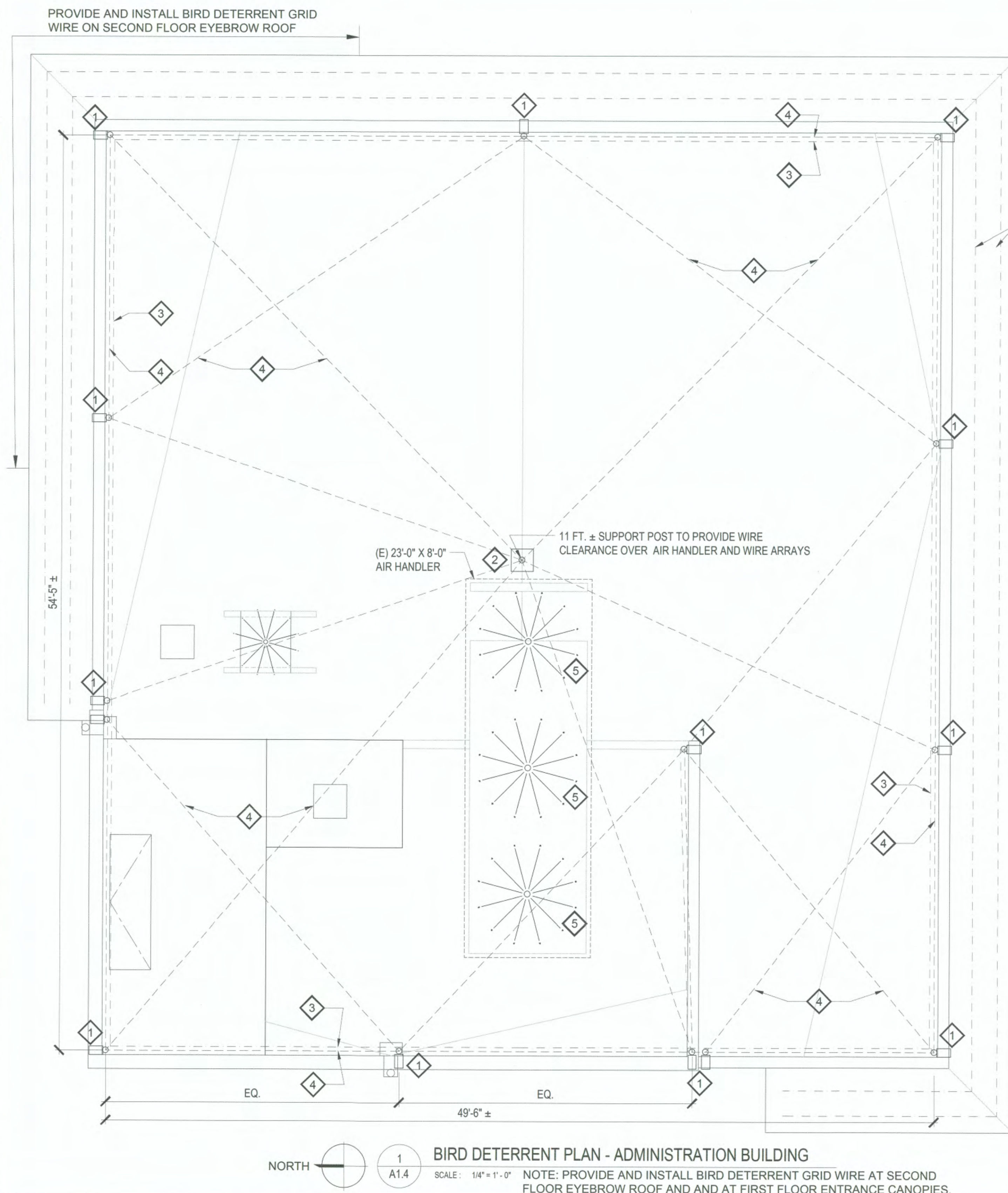
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DATE
Feb 04, 2021

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ARCHITECT
[Signature]
JERRY D. COBURN
STATE OF WASHINGTON

Port of
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P.O. BOX 1837 TACOMA, WA 98401-1837

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LEGEND

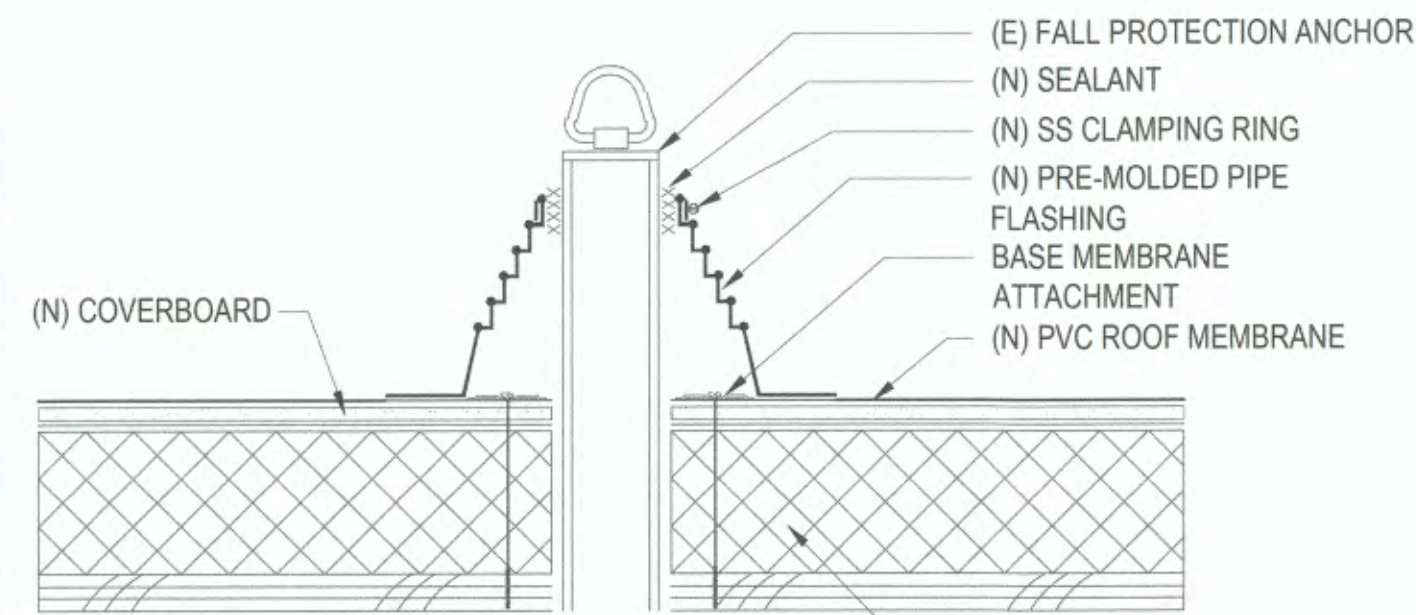
-
- The diagram illustrates four different bird deterrent methods:
- SUPPORT POST:** A square post with a circular cap on top.
 - BRACKET MOUNTED POST:** A rectangular post with a bracket-like structure on top.
 - SPIKE STRIP:** A horizontal line with several small circles (spikes) attached to it.
 - BIRD DETERRENT GRID WIRE - HIGH:** A horizontal dashed line.
 - BIRD DETERRENT GRID WIRE - LOW:** A horizontal dashed line.
 - WIRE ARRAY:** A central point with multiple lines radiating outwards, each ending in a small circle (spike).

GENERAL NOTES

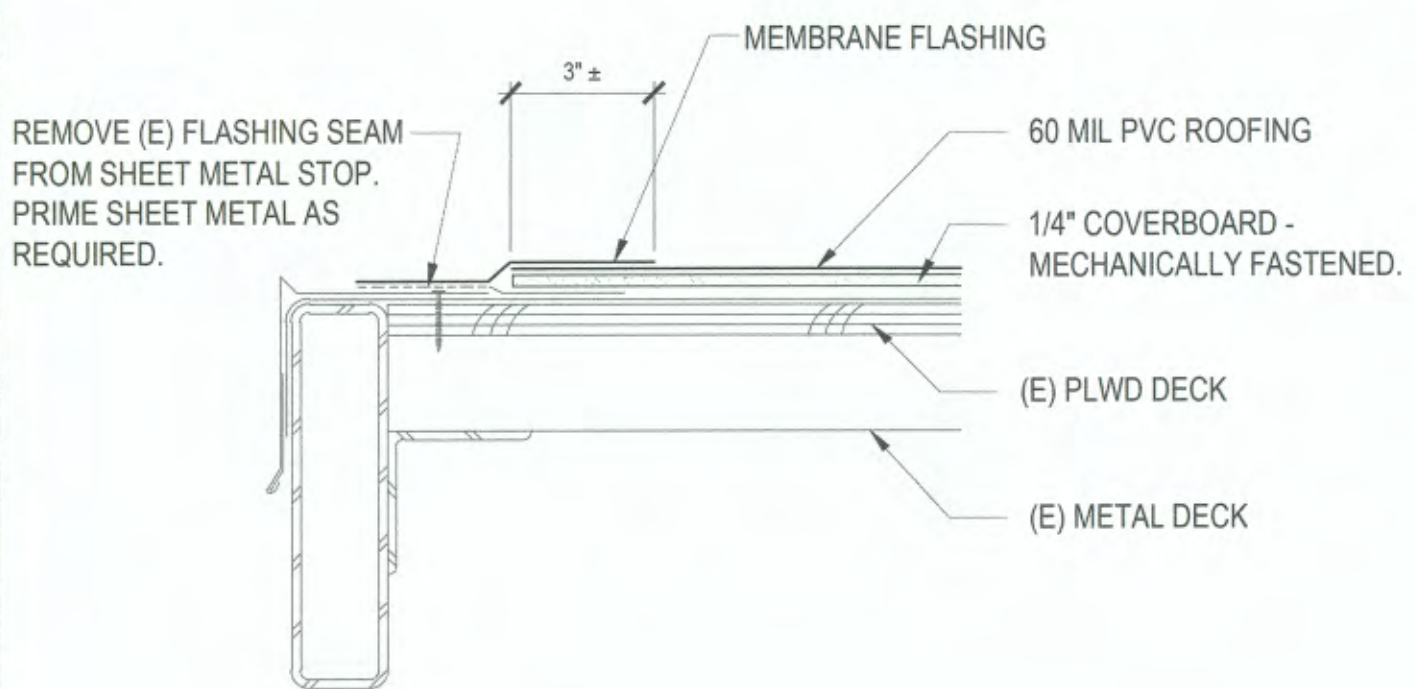
1. PROVIDE BIRD DETERRENT SYSTEM IN ACCORDANCE WITH SPECIFICATION SECTION 1081 13.
2. BIRD DETERRENT SYSTEM TO BE INSTALLED BY CERTIFIED INSTALLER.
3. ALL BIRD DETERRENT COMPONENTS, FASTENERS, AND THE LIKE, TO BE ALUMINUM OR STEEL.

SHEET KEYNOTES

1. (N) 7'-0" TALL BIRD DETERRENT SUPPORT POLE WITH STANDARD PARAPET MOUNTED BRACKET AT ROOF PERIMETER.
2. (N) 7'-0" U.N.O. TALL BIRD DETERRENT POLE WITH ROOF MOUNTED BRACKET. SEE DETAIL 13/A2.1.
3. (N) BIRD DETERRENT WIRES AT PERIMETER, 2 ROWS PLACED 8" AND 32" ABOVE TOP OF BRACKET.
4. (N) BIRD DETERRENT WIRE CONNECTED AT TOP OF OF BIRD DETERRENT POLES, TYPICAL.
5. (N) BIRD DETERRENT WIRE ARRAY AT (E) ROOF-TOP-UNITS AND EQUIPMENT.



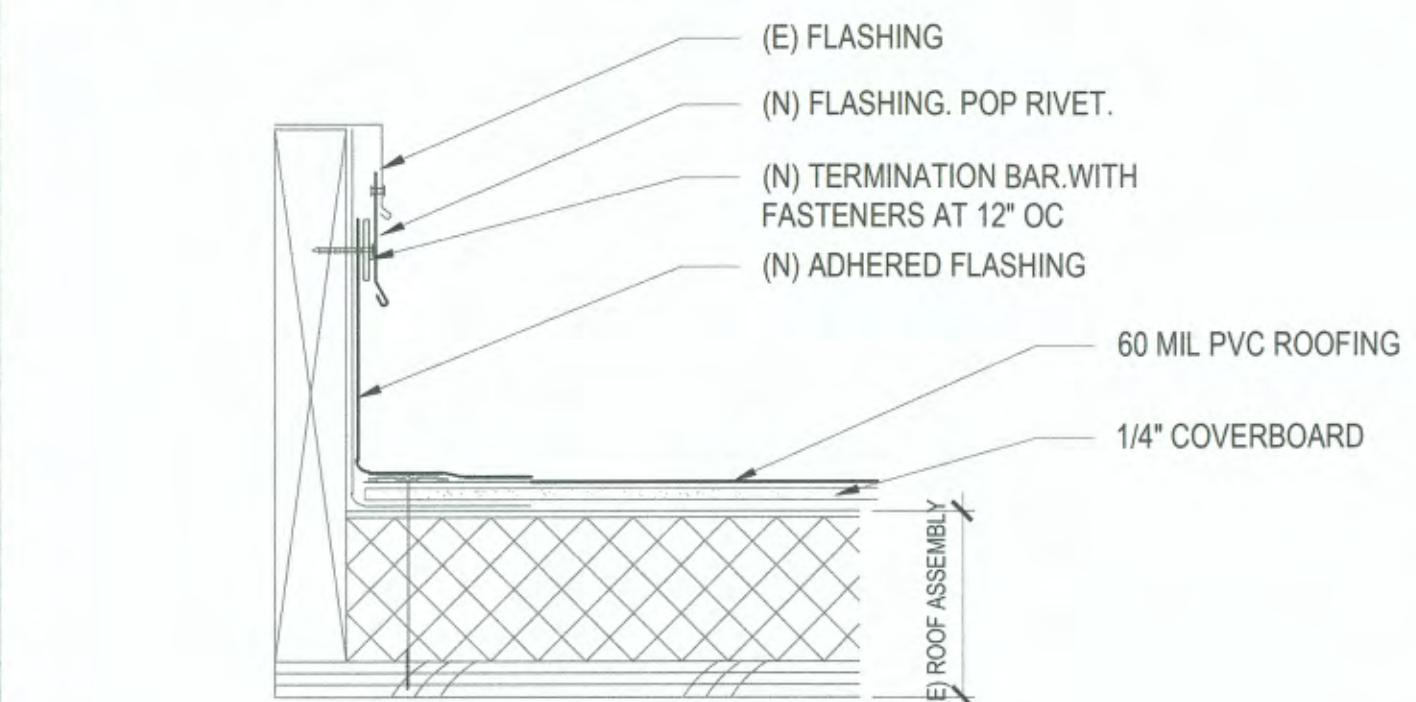
12 FALL PROTECTION ANCHOR DETAIL - PRE-MOLDED
A2.1 SCALE: NTS



8
A2.1

CANOPY EDGE DETAIL

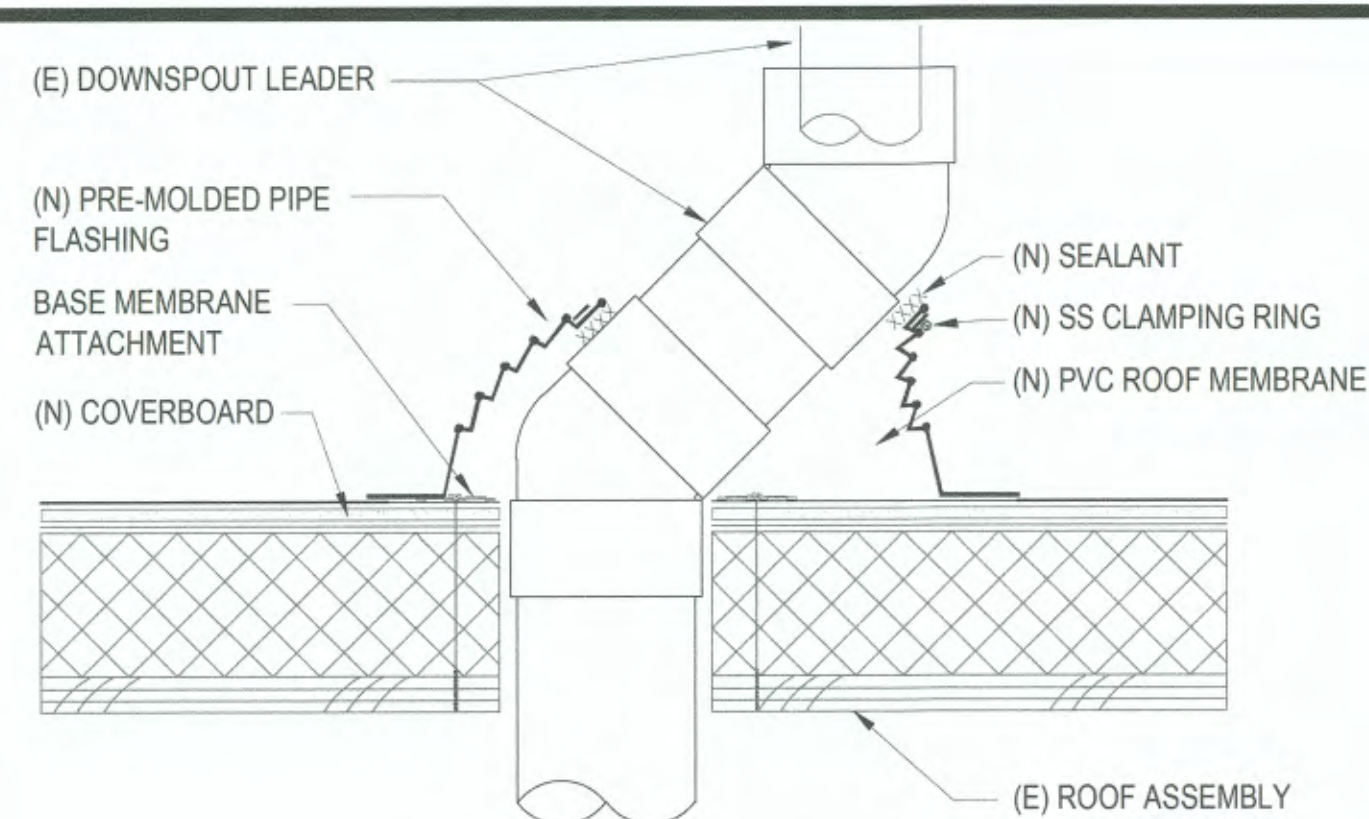
SCALE: 3" = 1'-0"



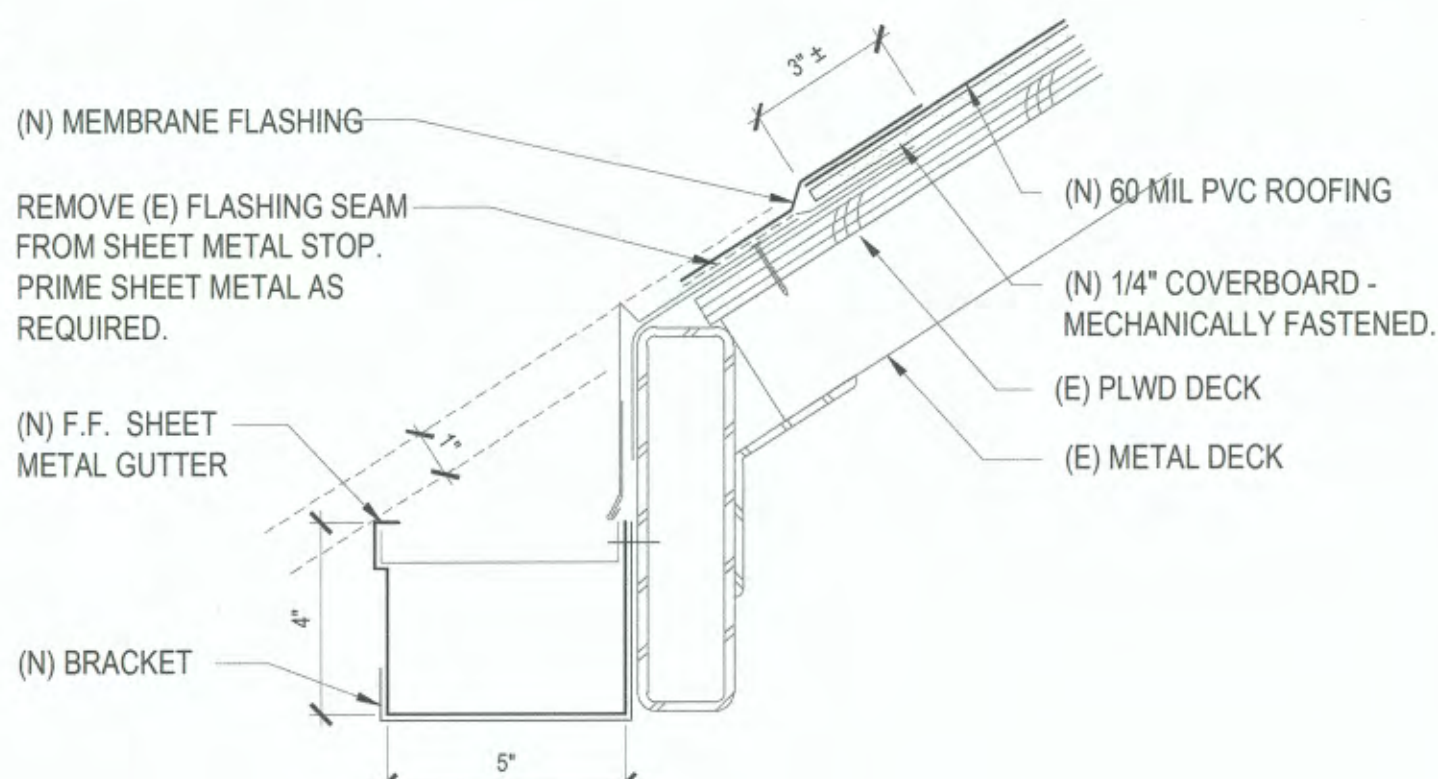
4
A2.1

CURB DETAIL

SCALE : 3" = 1'-0"



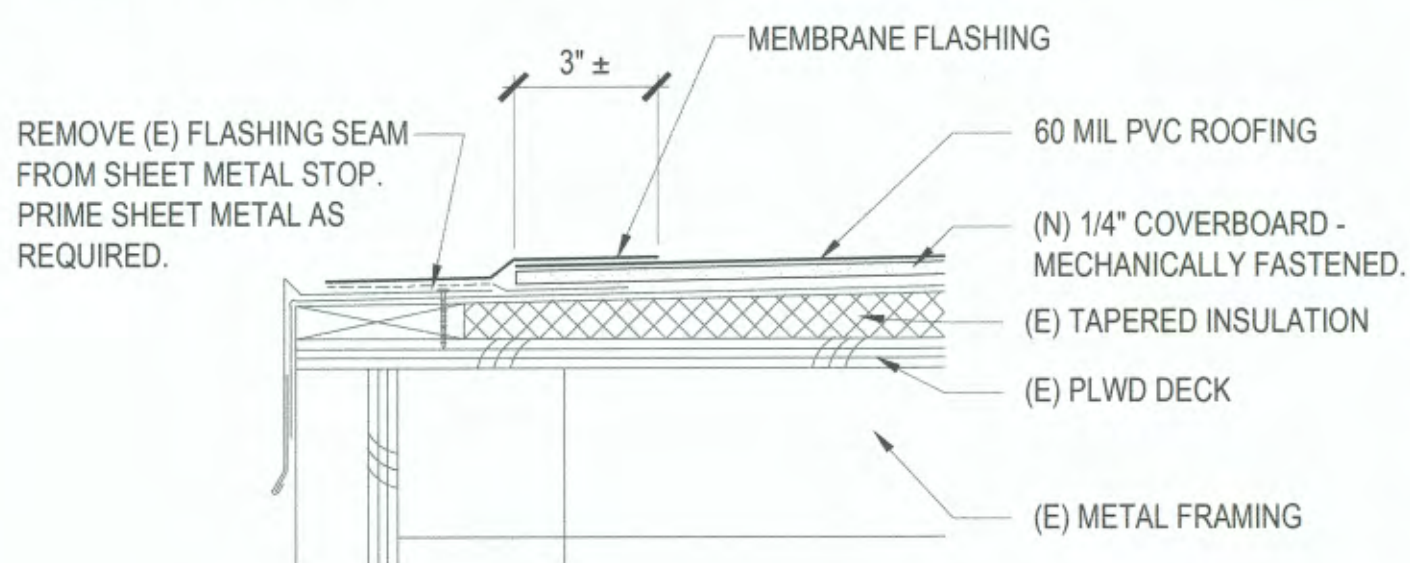
15 ROOF DRAIN PENETRATION AT EYEBROW
A2.1 SCALE: NTS



11
A2.1

STAIR ROOF EDGE DETAIL

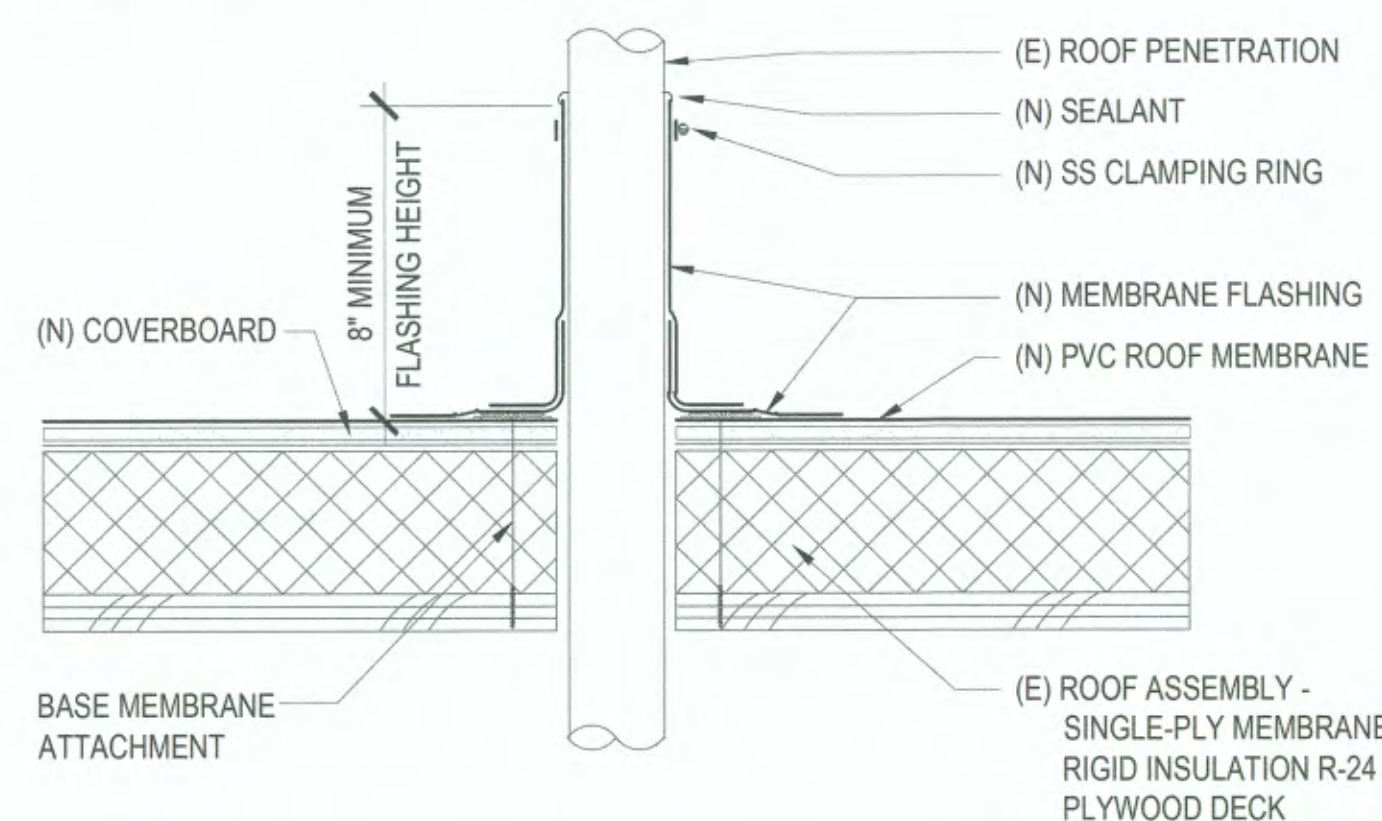
SCALE : 3" = 1'-0"



7
A2.1

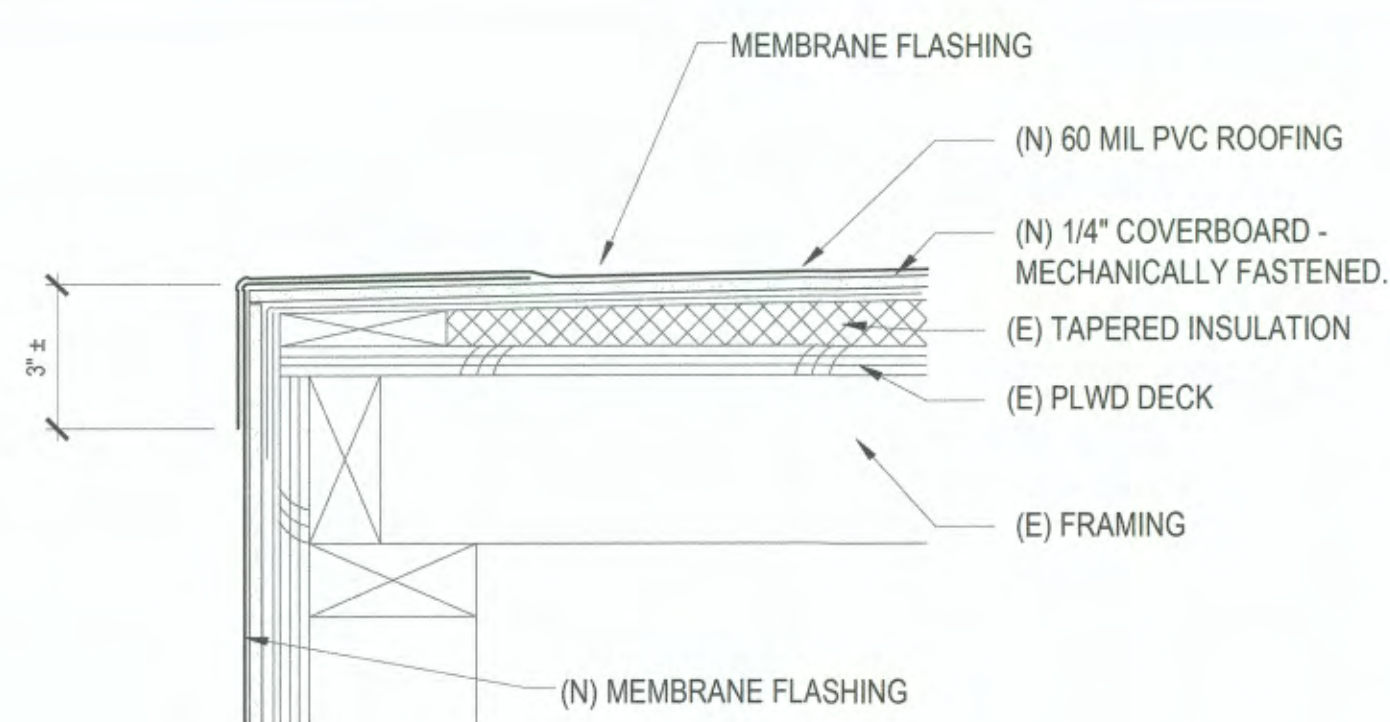
EYEBROW EDGE DETAIL

SCALE : 3" = 1'-0"



3 ROOF PENETRATION DETAIL - FIELD WRAP

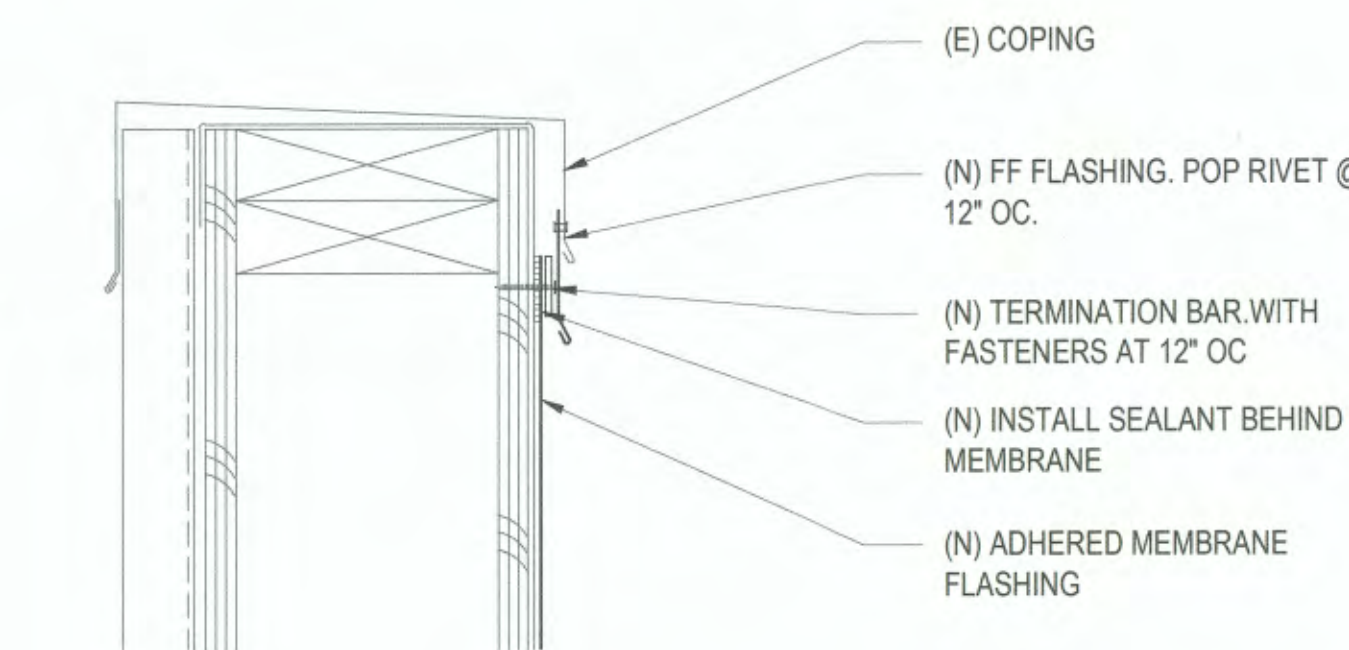
A2.1 SCALE: NTS NOTE: DEMO EXISTING PENETRATION FLASHING.



14
A2.1

ROOF EDGE DETAIL

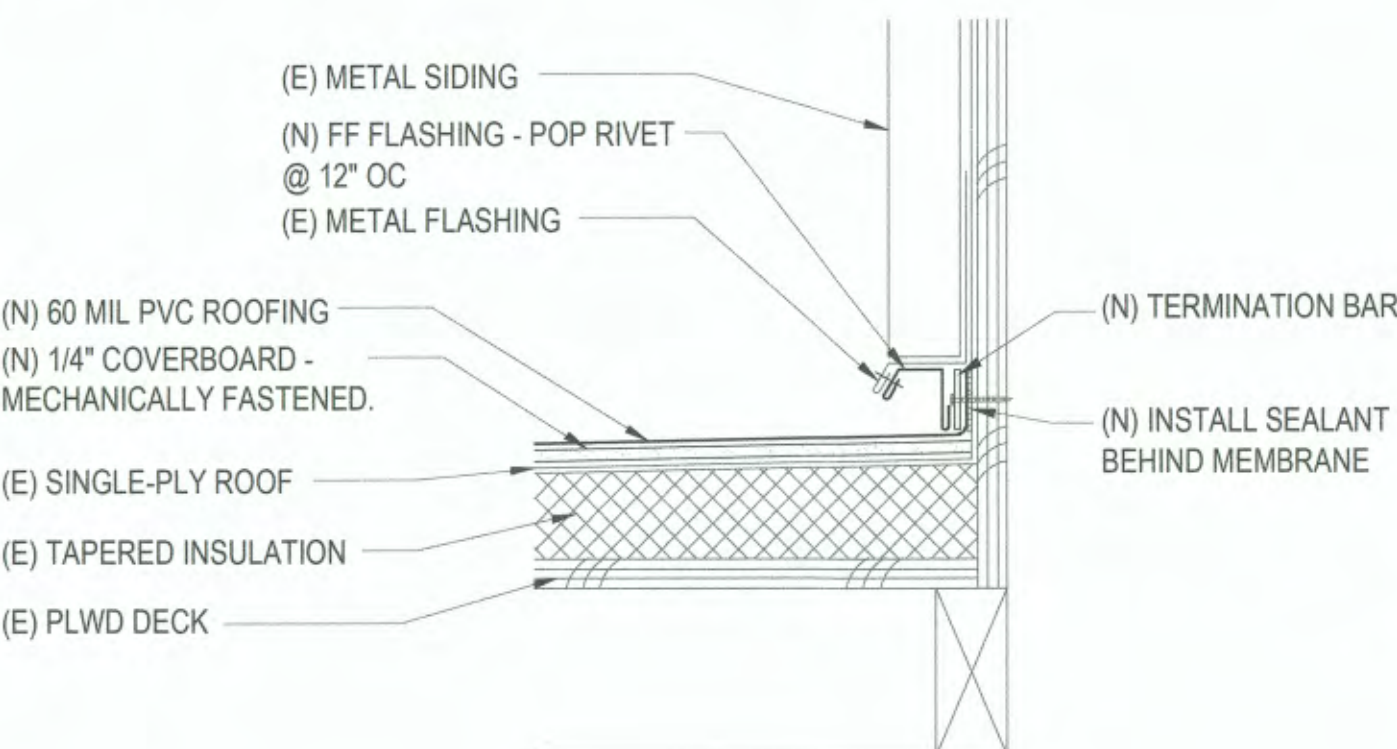
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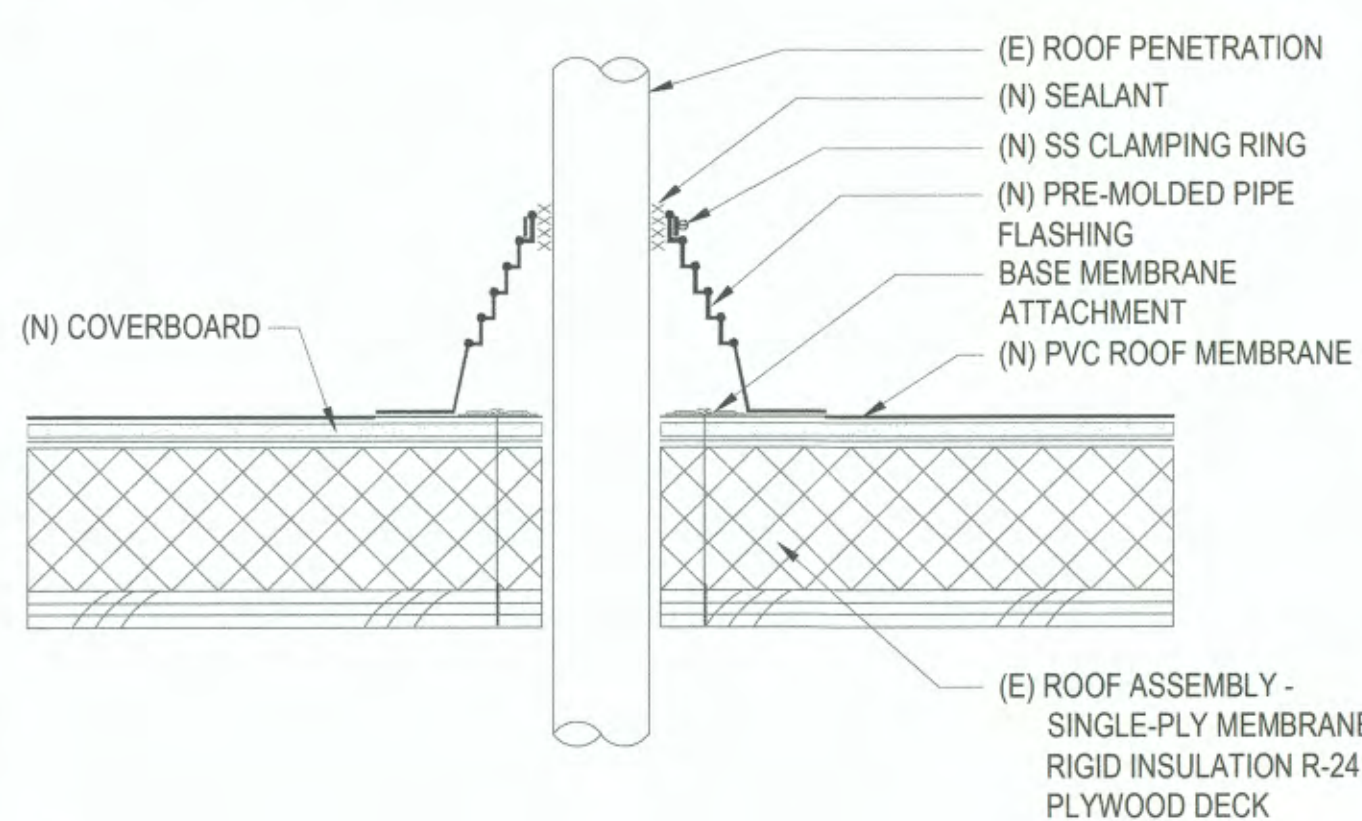
10
A2.1

PARAPET DETAIL

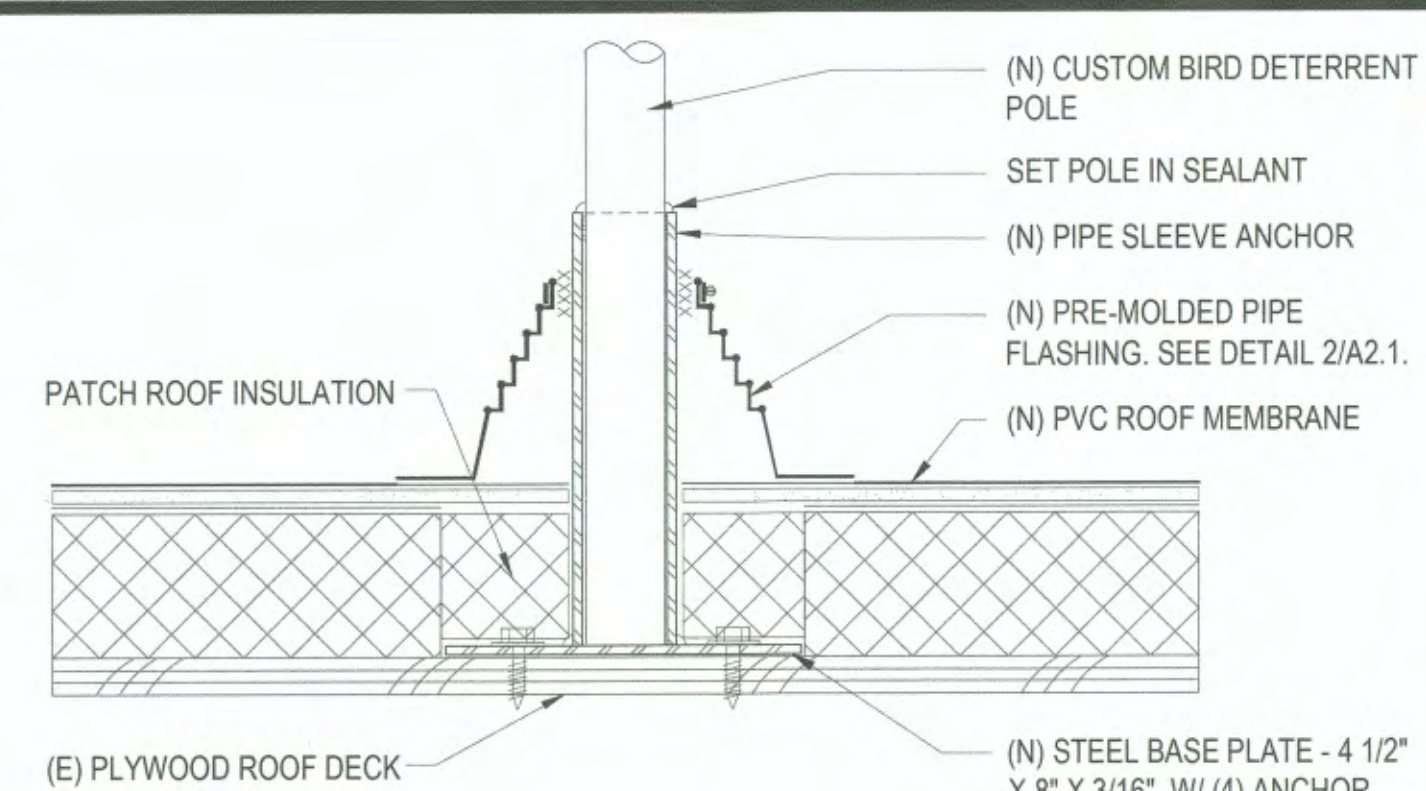
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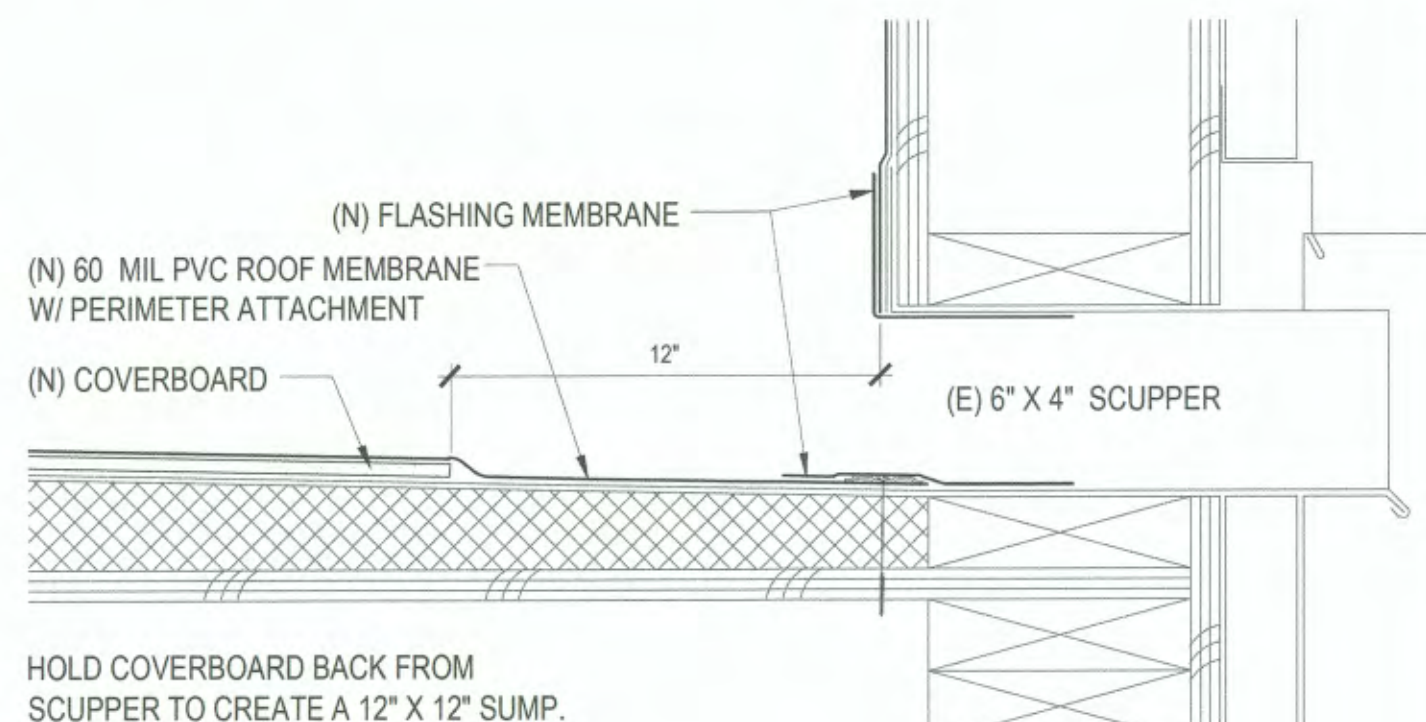
6 EYEBROW FLASHING AT WALL



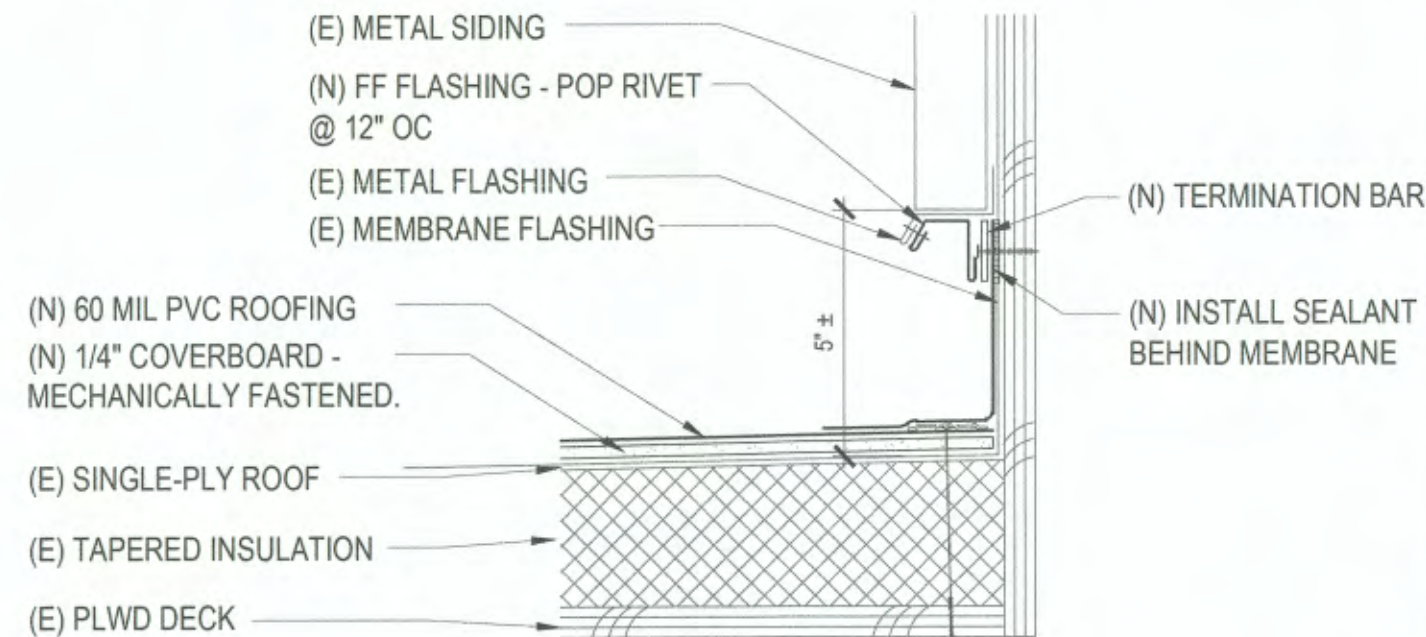
2 ROOF PENETRATION DETAIL - PRE-MOLDED
A2.1 SCALE: NTS NOTE: DEMO EXISTING PENETRATION FLASHING.



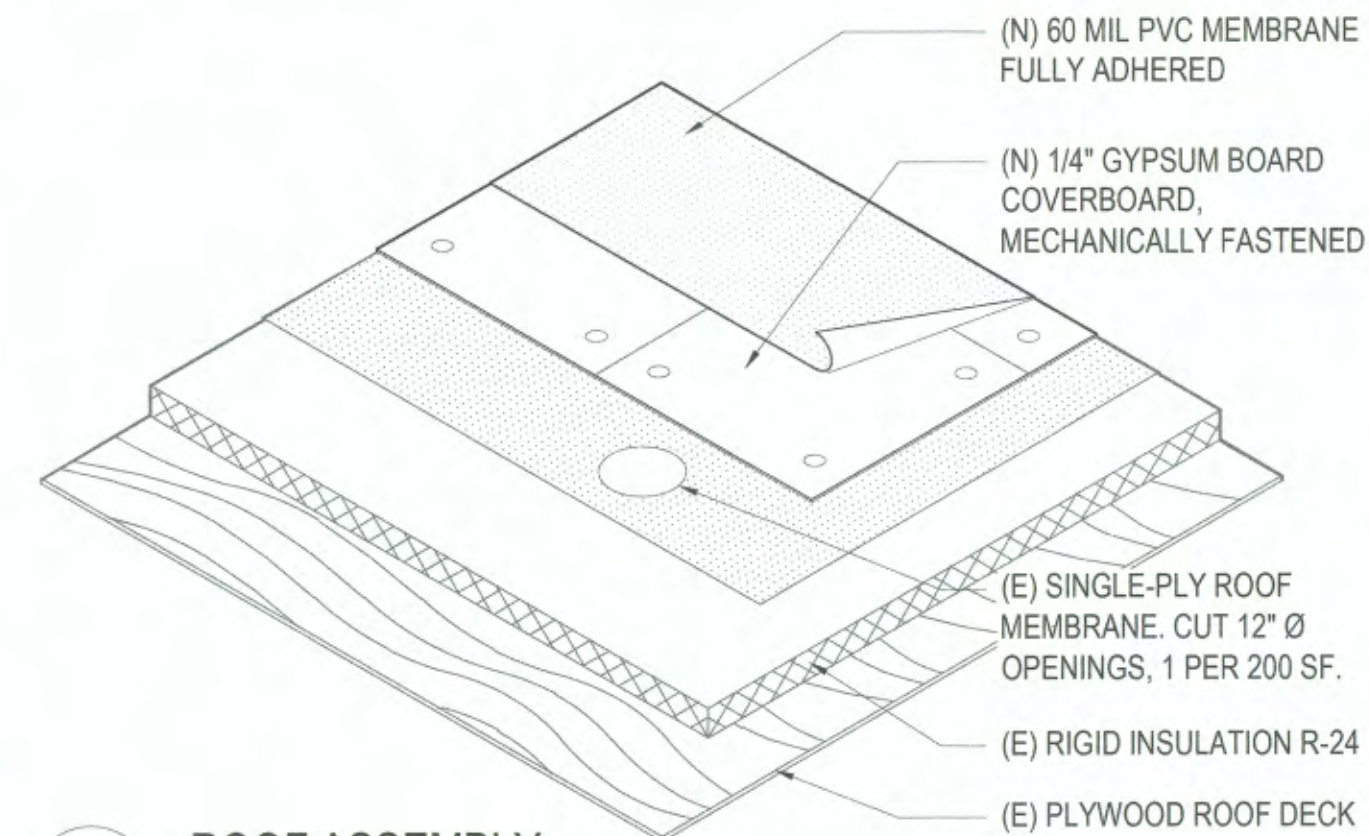
13 BIRD DETECTION POLE SUPPORT BASE
A2.1 SCALE: NTS



9 SCUPPER DETAIL
A2.1 SCALE : 3" = 1'-0"



5 PARAPET FLASHING AT WALL BASE
A2.1 SCALE : 3" = 1'-0"



1 ROOF ASSEMBLY
A2.1 SCALE: NTS