

ELEVATION CERTIFICATE

Important: Follow the instructions on pages 1-9.

Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.

SECTION A - PROPERTY INFORMATION					FOR INSURANCE COMPANY USE
A1. Building Owner's Name VENTNOR WORLDWIDE LLC					Policy Number:
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 6413 VENTNOR AVENUE					Company NAIC Number:
City VENTNOR		State New Jersey		ZIP Code 08406	
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) BLOCK 121, LOT 4.01					
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.)					Non-Residential
A5. Latitude/Longitude: Lat. <u>39° 20' 17"</u> Long. <u>74° 28' 17"</u> Horizontal Datum: <input type="checkbox"/> NAD 1927 <input checked="" type="checkbox"/> NAD 1983					
A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.					
A7. Building Diagram Number <u>1A</u>					
A8. For a building with a crawlspace or enclosure(s):					
a) Square footage of crawlspace or enclosure(s) <u>N/A</u> sq ft					
b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade <u>N/A</u>					
c) Total net area of flood openings in A8.b <u>N/A</u> sq in					
d) Engineered flood openings? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
A9. For a building with an attached garage:					
a) Square footage of attached garage <u>N/A</u> sq ft					
b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade <u>N/A</u>					
c) Total net area of flood openings in A9.b <u>N/A</u> sq in					
d) Engineered flood openings? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION					
B1. NFIP Community Name & Community Number VENTNOR 345326			B2. County Name ATLANTIC COUNTY		B3. State New Jersey
B4. Map/Panel Number 345326/0001	B5. Suffix B	B6. FIRM Index Date 06-18-1971	B7. FIRM Panel Effective/ Revised Date 09-15-1983	B8. Flood Zone(s) A-8	B9. Base Flood Elevation(s) (Zone AO, use Base Flood Depth) 10.00'
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9: <input type="checkbox"/> FIS Profile <input checked="" type="checkbox"/> FIRM <input type="checkbox"/> Community Determined <input type="checkbox"/> Other/Source: _____					
B11. Indicate elevation datum used for BFE in Item B9: <input checked="" type="checkbox"/> NGVD 1929 <input type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other/Source: _____					
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Designation Date: _____ <input type="checkbox"/> CBRS <input type="checkbox"/> OPA					

ELEVATION CERTIFICATE

OMB No. 1660-0008
Expiration Date: November 30, 2022

IMPORTANT: In these spaces, copy the corresponding information from Section A.			FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 6413 VENTNOR AVENUE			Policy Number:
City VENTNOR	State New Jersey	ZIP Code 08406	Company NAIC Number

SECTION C – BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

C1. Building elevations are based on: Construction Drawings* Building Under Construction* Finished Construction

*A new Elevation Certificate will be required when construction of the building is complete.

C2. Elevations – Zones A1–A30, AE, AH, A (with BFE), VE, V1–V30, V (with BFE), AR, AR/A, AR/AE, AR/A1–A30, AR/AH, AR/AO. Complete Items C2.a–h below according to the building diagram specified in Item A7. In Puerto Rico only, enter meters.

Benchmark Utilized: RM-3 Vertical Datum: NGVD 1929

Indicate elevation datum used for the elevations in items a) through h) below.

NGVD 1929 NAVD 1988 Other/Source: _____

Datum used for building elevations must be the same as that used for the BFE.

Check the measurement used.

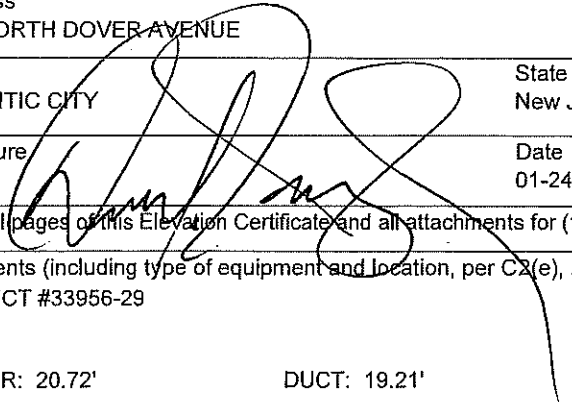
- | | | | |
|---|-------------|-------------------------------|---------------------------------|
| a) Top of bottom floor (including basement, crawlspace, or enclosure floor) | <u>9.3</u> | <input type="checkbox"/> feet | <input type="checkbox"/> meters |
| b) Top of the next higher floor | <u>20.8</u> | <input type="checkbox"/> feet | <input type="checkbox"/> meters |
| c) Bottom of the lowest horizontal structural member (V Zones only) | <u>N/A</u> | <input type="checkbox"/> feet | <input type="checkbox"/> meters |
| d) Attached garage (top of slab) | <u>N/A</u> | <input type="checkbox"/> feet | <input type="checkbox"/> meters |
| e) Lowest elevation of machinery or equipment servicing the building
(Describe type of equipment and location in Comments) | <u>19.2</u> | <input type="checkbox"/> feet | <input type="checkbox"/> meters |
| f) Lowest adjacent (finished) grade next to building (LAG) | <u>9.1</u> | <input type="checkbox"/> feet | <input type="checkbox"/> meters |
| g) Highest adjacent (finished) grade next to building (HAG) | <u>9.3</u> | <input type="checkbox"/> feet | <input type="checkbox"/> meters |
| h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support | <u>9.3</u> | <input type="checkbox"/> feet | <input type="checkbox"/> meters |

SECTION D – SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.

Were latitude and longitude in Section A provided by a licensed land surveyor? Yes No Check here if attachments.

Certifier's Name DANIEL J. PONZIO SR.	License Number GS37603	Place Seal Here
Title PROFESSIONAL LAND SURVEYOR		
Company Name ARTHUR W. PONZIO COMPANY & ASSOCIATES, INC.		
Address 400 NORTH DOVER AVENUE		
City ATLANTIC CITY	State New Jersey	ZIP Code 08401

Signature:  Date: 01-24-2021 Telephone: (609) 344-8194 Ext.

Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.

Comments (including type of equipment and location, per C2(e), if applicable)
PROJECT #33956-29

HEATER: 20.72' DUCT: 19.21'

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City VENTNOR	State New Jersey	ZIP Code 08406	Company NAIC Number

**SECTION E – BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED)
FOR ZONE AO AND ZONE A (WITHOUT BFE)**

For Zones AO and A (without BFE), complete Items E1–E5. If the Certificate is intended to support a LOMA or LOMR-F request, complete Sections A, B, and C. For Items E1–E4, use natural grade, if available. Check the measurement used. In Puerto Rico only, enter meters.

- E1. Provide elevation information for the following and check the appropriate boxes to show whether the elevation is above or below the highest adjacent grade (HAG) and the lowest adjacent grade (LAG).
- a) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ feet meters above or below the HAG.
- b) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ feet meters above or below the LAG.
- E2. For Building Diagrams 6–9 with permanent flood openings provided in Section A Items 8 and/or 9 (see pages 1–2 of Instructions), the next higher floor (elevation C2.b in the diagrams) of the building is _____ feet meters above or below the HAG.
- E3. Attached garage (top of slab) is _____ feet meters above or below the HAG.
- E4. Top of platform of machinery and/or equipment servicing the building is _____ feet meters above or below the HAG.
- E5. Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in accordance with the community's floodplain management ordinance? Yes No Unknown. The local official must certify this information in Section G.

SECTION F – PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION

The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without a FEMA-issued or community-issued BFE) or Zone AO must sign here. The statements in Sections A, B, and E are correct to the best of my knowledge.

Property Owner or Owner's Authorized Representative's Name

Address _____ City _____ State _____ ZIP Code _____

Signature _____ Date _____ Telephone _____

Comments

Check here if attachments.

ELEVATION CERTIFICATE

OMB No. 1660-0008
Expiration Date: November 30, 2022

IMPORTANT: In these spaces, copy the corresponding information from Section A.			FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 6413 VENTNOR AVENUE			Policy Number:
City VENTNOR	State New Jersey	ZIP Code 08406	Company NAIC Number

SECTION G – COMMUNITY INFORMATION (OPTIONAL)

The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in Items G8–G10. In Puerto Rico only, enter meters.

- G1. The information in Section C was taken from other documentation that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)
- G2. A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO.
- G3. The following information (Items G4–G10) is provided for community floodplain management purposes.

G4. Permit Number	G5. Date Permit Issued	G6. Date Certificate of Compliance/Occupancy Issued
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- G7. This permit has been issued for: New Construction Substantial Improvement
- G8. Elevation of as-built lowest floor (including basement) of the building: _____ feet meters Datum _____
- G9. BFE or (in Zone AO) depth of flooding at the building site: _____ feet meters Datum _____
- G10. Community's design flood elevation: _____ feet meters Datum _____

Local Official's Name <i>Dino Cavalieri</i>	Title <i>C.F.W.</i>
Community Name <i>Ventnor</i>	Telephone <i>609 823-7987</i>
Signature <i>[Signature]</i>	Date <i>1-25-21</i>

Comments (including type of equipment and location, per C2(e), if applicable)

Check here if attachments.

BUILDING PHOTOGRAPHS

ELEVATION CERTIFICATE

See Instructions for Item A6.

OMB No. 1660-0008
Expiration Date: November 30, 2022

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City VENTNOR	State New Jersey	ZIP Code 08406	Company NAIC Number

If using the Elevation Certificate to obtain NFIP flood insurance, affix at least 2 building photographs below according to the instructions for Item A6. Identify all photographs with date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8. If submitting more photographs than will fit on this page, use the Continuation Page.

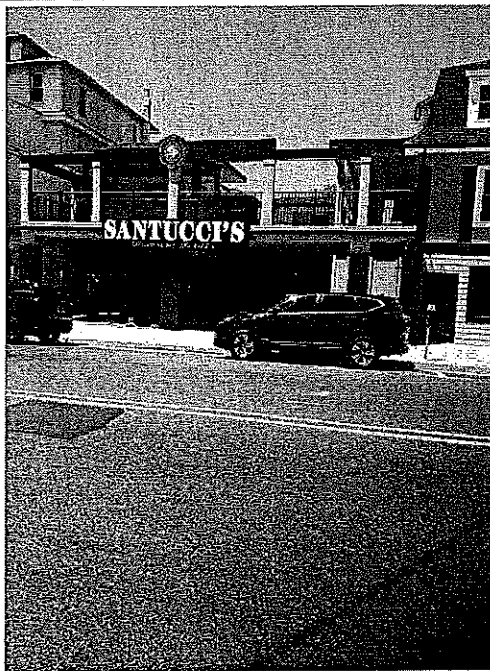


Photo One

Photo One Caption FRONT 12/8/20

Clear Photo One

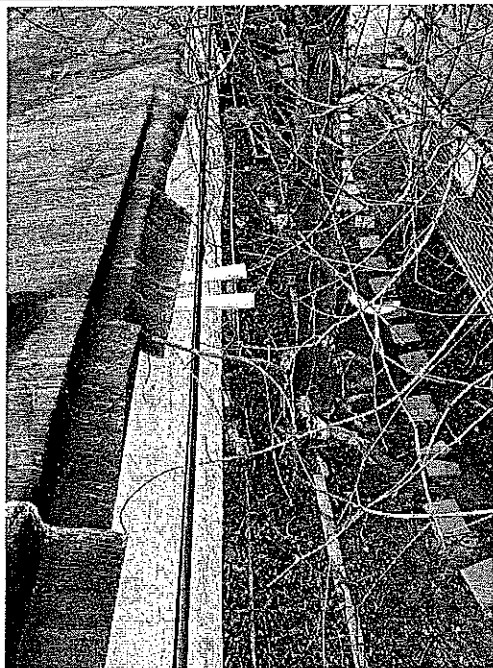


Photo Two

Photo Two Caption REAR 1/24/2021

Clear Photo Two

ELEVATION CERTIFICATE

BUILDING PHOTOGRAPHS

Continuation Page

OMB No. 1660-0008
Expiration Date: November 30, 2022

IMPORTANT: In these spaces, copy the corresponding information from Section A.			FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 6413 VENTNOR AVENUE			Policy Number:
City VENTNOR	State New Jersey	ZIP Code 08406	Company NAIC Number:

If submitting more photographs than will fit on the preceding page, affix the additional photographs below. Identify all photographs with: date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8.

Photo Three

Photo Three

Photo Three Caption

Clear Photo Three

Photo Four

Photo Four

Photo Four Caption

Clear Photo Four

PETER C. WEISS
ARCHITECT

January 25, 2021

Re: Santucci's Restaurant
6413 Ventnor Avenue
Block 121 Lot 4.01
Ventnor City, NJ 08406

Ventnor City Building Department
6201 Atlantic Avenue
Ventnor City, NJ 08406


To Whom It May Concern,

This letter is for the purpose of certifying that the existing building at the above referenced location has been flood-proofed to substantially reduce flood damage in the event of flooding up to the base flood elevation (BFE) +3' based on the final flood elevations on the community's effective FIRM.

All portions of the structure below the BFE +3' will render the building watertight or substantially impermeable to the passage of water and will perform in accordance with Title 44 Code of Federal Regulations (44 CFR 60.3(c)(3)) when the flood barriers are installed at all exterior openings per the manufacturer's recommendations.

Please feel free to call if you have any questions regarding this matter.

Very truly yours,


Peter C. Weiss, RA, LLC
NJRA #AI 10004

cc: Blake Barabuscio

FLOODPROOFING CERTIFICATE FOR NON-RESIDENTIAL STRUCTURES

Paperwork Burden Disclosure Notice

Public reporting burden for this data collection is estimated to average 3.25 hours per response. The burden estimate includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and submitting this form. You are not required to respond to this collection of information unless a valid OMB control number is displayed on this form. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing the burden to: Information Collections Management, Department of Homeland Security, Federal Emergency Management Agency, 500 C Street SW, Washington, DC 20742, Paperwork Reduction Project (1660-0008). **NOTE: Do not send your completed form to this address.**

General: This information is provided pursuant to Public Law 96-511 (the Paperwork Reduction Act of 1980, as amended), dated December 11, 1980, to allow the public to participate more fully and meaningfully in the Federal paperwork review process.

Authority: Public Law 96-511, amended; 44 U.S.C. 3507; and 5 CFR 1320.

Privacy Act Statement

Authority: Title 44 CFR § 61.7 and 61.8.

Principal Purpose(s): This information is being collected for the primary purpose of estimating the risk premium rates necessary to provide flood insurance for new or substantially improved structures in designated Special Flood Hazard Areas.

Routine Use(s): The information on this form may be disclosed as generally permitted under 5 U.S.C. § 552a(b) of the Privacy Act of 1974, as amended. This includes using this information as necessary and authorized by the routine uses published in DHS/FEMA-003 – National Flood Insurance Program Files System or Records Notice 73 Fed. Reg. 77747 (December 19, 2008); DHS/FEMA/NFIP/LOMA-1 – National Flood Insurance Program (NFIP) Letter of Map Amendment (LOMA) System of Records Notice 71 Fed. Reg. 7990 (February 15, 2006); and upon written request, written consent, by agreement, or as required by law.

Disclosure: The disclosure of information on this form is voluntary; however, failure to provide the information requested may result in the inability to obtain flood insurance through the National Flood Insurance Program or being subject to higher premium rates for flood insurance. Information will only be released as permitted by law.

Purpose of the Floodproofing Certificate for Non-Residential Structures

Under the National Flood Insurance Program (NFIP), the floodproofing of non-residential buildings may be permitted as an alternative to elevating to or above the Base Flood Elevation (BFE). A floodproofing design certification is required for non-residential structures that are floodproofed. This form is to be used for that certification.

A floodproofed building is a building that has been designed and constructed to be watertight (substantially impermeable to floodwaters) below the BFE and with structural components having the capability of resisting hydrostatic and hydrodynamic loads and effects of buoyancy. Before a floodproofed building is designed, numerous planning considerations, including flood warning time, uses of the building, mode of entry to and exit from the building and the site in general, floodwater velocities, flood depths, debris impact potential, and flood frequency, must be addressed to ensure that dry floodproofing will be a viable floodplain management measure.

The minimum NFIP requirement is to floodproof a building to the BFE. However, when it is rated for flood insurance one-foot is subtracted from the floodproofed elevation. Therefore, a building has to be floodproofed to one foot above the BFE to receive the same favorable flood insurance rates as a building elevated to the BFE.

Additional guidance can be found in FEMA Publication 936, Floodproofing Non-Residential Buildings (2013), available on FEMA's website at <https://www.fema.gov/media-library/assets/documents/34270>.

FLOODPROOFING CERTIFICATE FOR NON-RESIDENTIAL STRUCTURES

The floodproofing of non-residential buildings may be permitted as an alternative to elevating to or above the Base Flood Elevation; however, a floodproofing design certification is required. This form is to be used for that certification. Floodproofing of a residential building does not alter a community's floodplain management elevation requirements or affect the insurance rating unless the community has been issued an exception by FEMA to allow floodproofed residential basements. The permitting of a floodproofed residential basement requires a separate certification specifying that the design complies with the local floodplain management ordinance.

BUILDING OWNER'S NAME
VENTNOR Worldwide LLC

STREET ADDRESS (Including Apt., Unit, Suite, and/or Bldg. Number) OR P.O. ROUTE AND BOX NUMBER
6413 VENTNOR AVENUE

OTHER DESCRIPTION (Lot and Block Numbers, etc.)
Block 121 L4.01

CITY VENTNOR STATE NJ Zip Code 08406

FOR INSURANCE COMPANY USE
POLICY NUMBER
COMPANY NAIC NUMBER

SECTION I - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

Provide the following from the proper FIRM:

COMMUNITY NUMBER	PANEL NUMBER	SUFFIX	DATE OF FIRM INDEX	FIRM ZONE	BASE FLOOD ELEVATION (in AO Zones, Use Depth)
<u>345326</u>	<u>345326/0001</u>	<u>B</u>	<u>06-18-1971</u>	<u>A-8</u>	<u>10.00'</u>

Indicate elevation datum used for Base Flood Elevation shown above: NGVD 1929 NAVD 1988 Other/Source: _____

SECTION II - FLOODPROOFED ELEVATION CERTIFICATION (By a Registered Professional Land Surveyor, Engineer, or Architect)

All elevations must be based on finished construction.

Floodproofing Elevation Information:
 Building is floodproofed to an elevation of 13.3 feet (In Puerto Rico only: N/A meters).
 NGVD 1929 NAVD 1988 Other/Source: _____

Elevation datum used must be the same as that used for the Base Flood Elevation.)

Height of floodproofing on the building above the lowest adjacent grade is 5.5 feet (In Puerto Rico only: _____ meters).

For Unnumbered A Zones Only:
 Highest adjacent (finished) grade next to the building (HAG) N/A feet (In Puerto Rico only: _____ meters).
 NGVD 1929 NAVD 1988 Other/Source: _____


(NOTE: For insurance rating purposes, the building's floodproofed design elevation must be at least 1 foot above the Base Flood Elevation to receive rating credit. If the building is floodproofed only to the Base Flood Elevation, then the building's insurance rating will result in a higher premium. See the Instructions section for information on documentation that must accompany this certificate if being submitted for flood insurance rating purposes.)

FLOODPROOFING CERTIFICATE FOR NON-RESIDENTIAL STRUCTURES

Non-Residential Floodproofed Elevation Information Certification:

Section II certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information

I certify that the information in Section II on this Certificate represents a true and accurate interpretation and determination by the undersigned using the available information and data. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.

CERTIFIER'S NAME DANIEL J PONZIO SR	LICENSE NUMBER (or Affix Seal) GS 37603	PLACE SEAL HERE
TITLE PROFESSIONAL LAND SURVEYOR	COMPANY NAME ARTHUR W PONZIO CO	
ADDRESS 400 N DOVER AVENUE	CITY STATE ZIP CODE ATLANTIC CITY NJ 08401	
SIGNATURE 	DATE PHONE 12-22-20 609-344-8194	

SECTION III - FLOODPROOFED CERTIFICATION (By a Registered Professional Engineer or Architect)


Non-Residential Floodproofed Construction Certification:

I certify the structure, based upon development and/or review of the design, specifications, as-built drawings for construction and physical inspection, has been designed and constructed in accordance with the accepted standards of practice (ASCE 24-05, ASCE 24-14 or their equivalent) and any alterations also meet those standards and the following provisions.

The structure, together with attendant utilities and sanitary facilities is watertight to the floodproofed design elevation indicated above, is substantially impermeable to the passage of water, and shall perform in accordance with the 44 Code of Federal Regulations (44 CFR 60.3(c)(3)).

All structural components are capable of resisting hydrostatic and hydrodynamic flood forces, including the effects of buoyancy, and anticipated debris impact forces.

I certify that the information in Section III on this certificate represents a true and accurate determination by the undersigned using the available information and data. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.

CERTIFIER'S NAME PETER C. WEISS	LICENSE NUMBER (or Affix Seal) A1 10004	PLACE SEAL HERE
TITLE OWNER	COMPANY NAME PETER C. WEISS RA LLC	
ADDRESS 101 N. WASHINGTON AVE #8	CITY STATE ZIP CODE MANCATE NJ 08406	
SIGNATURE 	DATE PHONE 1-25-21 609-822-9616	

Copy all pages of this Floodproofing Certificate and all attachments for 1) community official, 2) insurance agent/company, and 3) building owner.

FLOODPROOFING CERTIFICATE FOR NON-RESIDENTIAL STRUCTURES

Instructions for Completing the Floodproofing Certificate for Non-Residential Structures

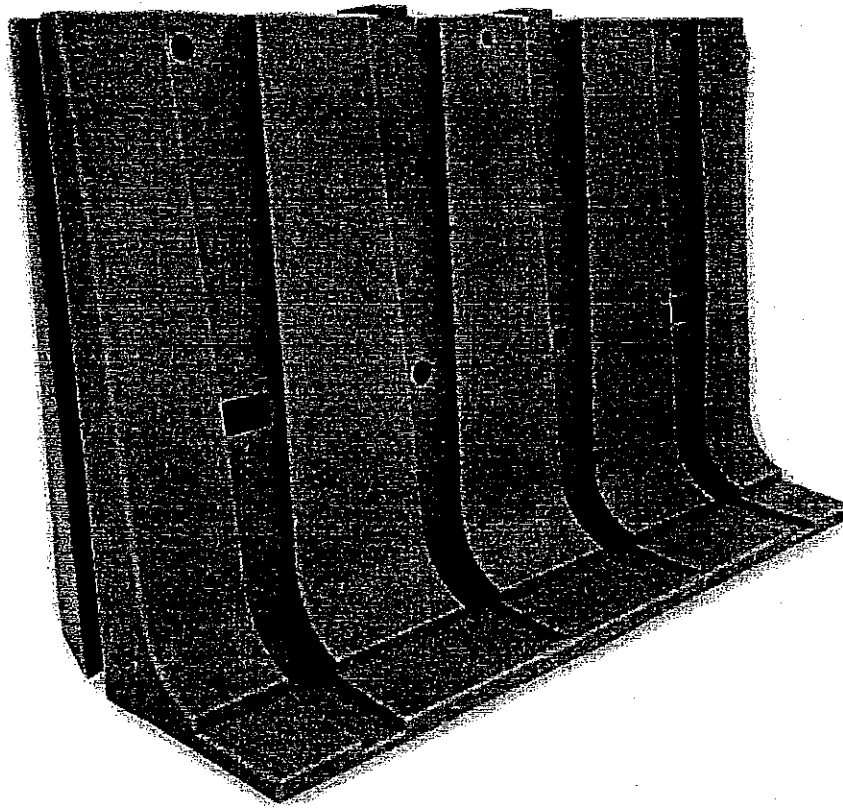
To receive credit for floodproofing, a completed Floodproofing Certificate for Non-Residential Structures is required for non-residential and business buildings in the Regular Program communities, located in zones A1-A30, AE, AR, AR Dual, AO, AH, and A with BFE.

In order to ensure compliance and provide reasonable assurance that due diligence had been applied in designing and constructing floodproofing measures, the following information must be provided with the completed Floodproofing Certificate:

- Photographs of shields, gates, barriers, or components designed to provide floodproofing protection to the structure.
- Written certification that all portions of the structure below the BFE that will render it watertight or substantially impermeable to the passage of water and must perform in accordance with Title 44 Code of Federal Regulations (44 CFR 60.3 (c)(3)).
- A comprehensive Maintenance Plan for the entire structure to include but not limited to:
 - Exterior envelope of the structure
 - All penetrations to the exterior of the structure
 - All shields, gates, barriers, or components designed to provide floodproofing protection to the structure
 - All seals or gaskets for shields, gates, barriers, or components
 - Location of all shields, gates, barriers, and components as well as all associated hardware, and any materials or specialized tools necessary to seal the structure.

MUSCLE WALL®

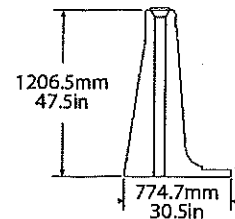
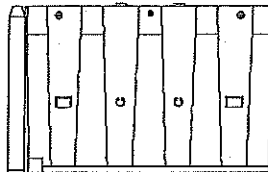
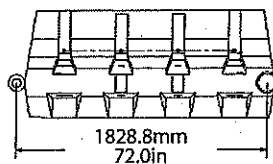
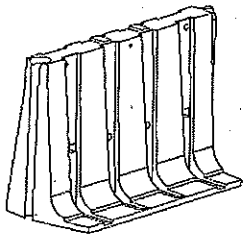
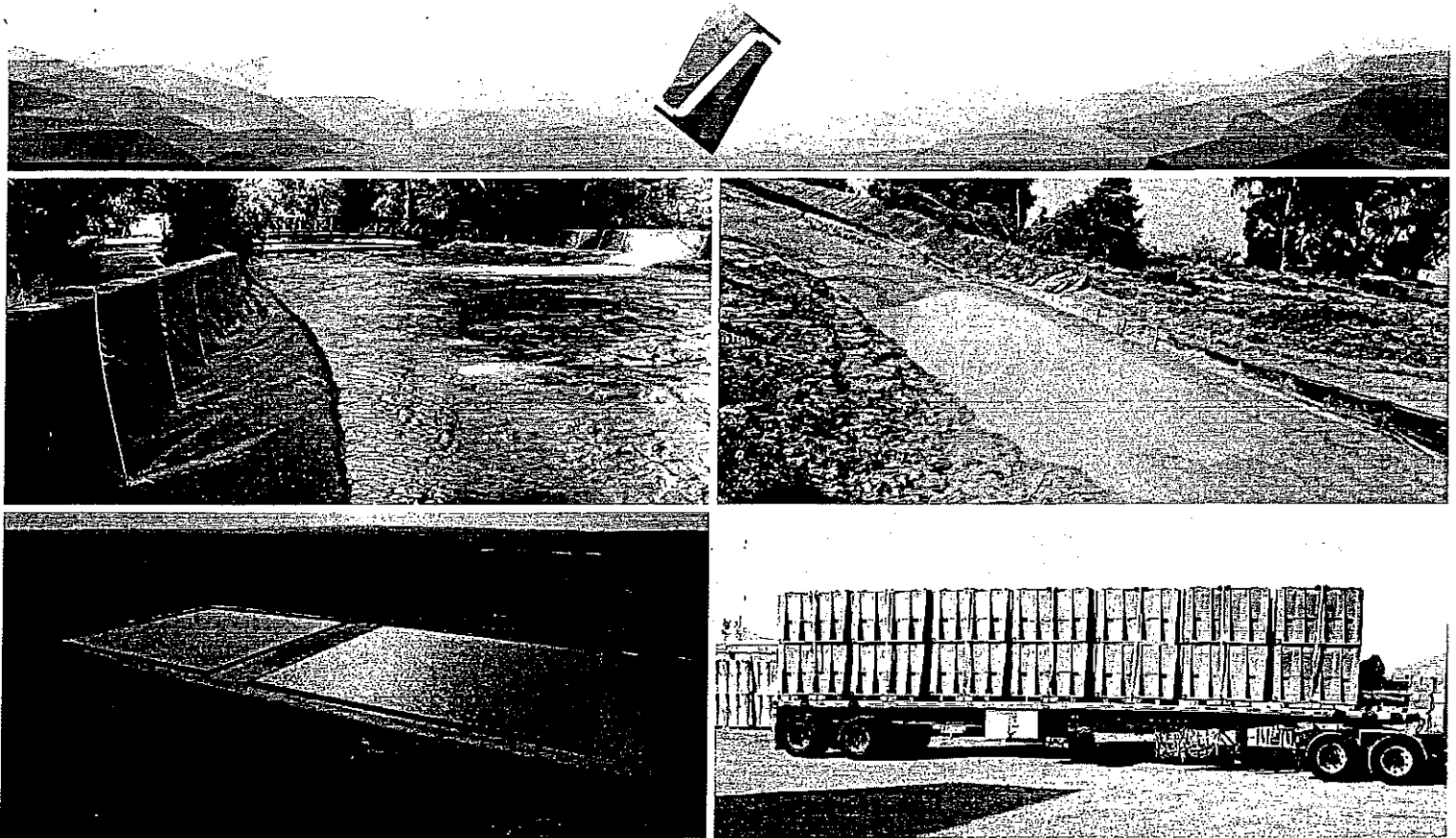
FLOOD • CONTAINMENT • STORMWATER



4-FOOT MUSCLE WALL

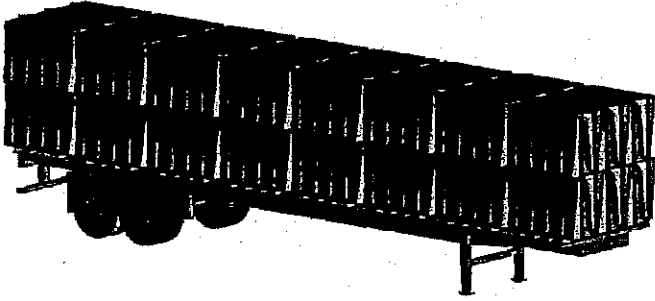
SPECIFICATIONS

- Material
 - Low density polyethylene
 - Elongation to yield: 20%
 - Impact strength: 190 ft-lb
 - Tensile strength at yield: 2600 psi
- Dimensions
 - Minimum polyethylene thickness: 0.25"
 - Footprint on ground: 14.5 ft²
 - 6 ft. wide x 2.54 ft. deep x 4 ft. high
 - Installed in 6 ft. sections
 - Fit 96 units on one 48 ft. flatbed trailer
- Portable
 - Weight per unit (empty): 121lbs
 - Weight per unit (filled): 1400lbs
 - Units nest together for transportation
 - 12 walls per pallet
- All Season Compatible
 - Temperature range: -40° F to 180° F
 - 10 year UV rated
- Ground Pressure
 - Empty: 0.0527 psi
 - Filled: 0.6705 psi



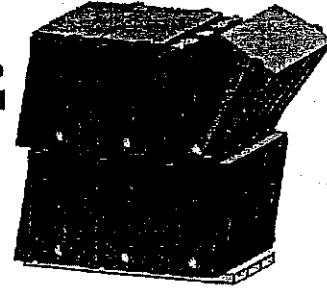
FEATURES

- Quick Setup & Take Down
 - Male to female connection that slides easily into place with another Muscle Wall
 - 4-Foot spring liner clip secures the liner to the Muscle Wall as well as reduces liner tenting
 - Each joint acts like a hinge allowing up to 22° range of motion
 - Reversible corner unit enables the Muscle Wall system to make a 90° turn in any direction
- Intuitive Design
 - Two walls nestle together to reduce storage & shipping space
 - Threaded top hole cap
 - Releasable bung-plug cap for rapid emptying
 - Safety ratchet straps restrain adjacent panels
 - 7 strategically placed kiss-throughs with multiple purposes based on location - structural integrity, safety strap installation, and hand-holds



Step 1

4-Foot Muscle Wall will arrive with 12 units (72 linear feet) on each pallet. A full truckload will consist of 8 pallets (96 units), totaling 576 linear feet. With a forklift or tractor unload trailer and strategically place bundles throughout area for deployment.

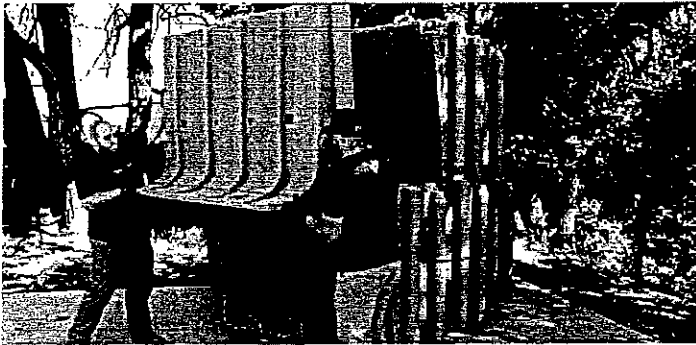


Last wall to be removed per row

First wall to be removed per row

Step 2

Always remove the upside-down wall first on each level. Remove all walls from the top layer before removing any from the bottom layer. One person on each side lifts the wall up, freeing the securing pegs, then lowers the wall to a comfortable carrying position.



Step 3

When removing the right-side up wall, one person stands on each side, slides the wall to the edge, then lowers the wall to a comfortable carrying position. Dropping the Muscle Wall could cause damage and/or personal injury. Please handle with care.



Step 4

Set Muscle Wall along the predetermined deployment area. When connecting one wall to another, ensure the male and female ends are lined up, then slide the joint together. Be sure to exercise proper lifting technique and to keep hands free of the joint while the Muscle Wall is sliding into place.

Faces toward water



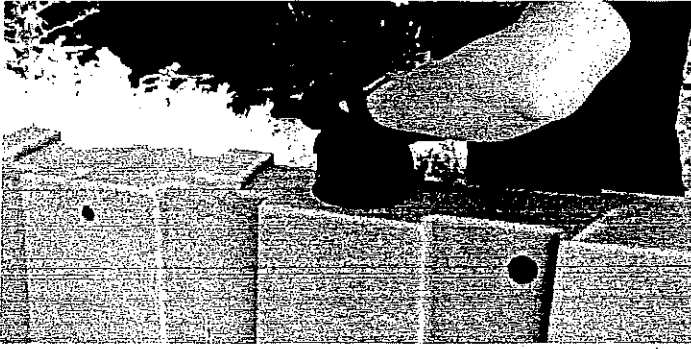
Note

Ensure that the toe of the Muscle Wall faces the water.



Step 5

Set necessary corners in place by sliding the male and female connections together in the same fashion as the walls. Corner units can be reversed, allowing the system to pivot in either direction.



Step 6

The 4-foot Muscle Wall system requires two safety straps at each joint. The safety straps are located inside of the rubber cap on top of each unit. Remove the rubber cap and the straps at this time.



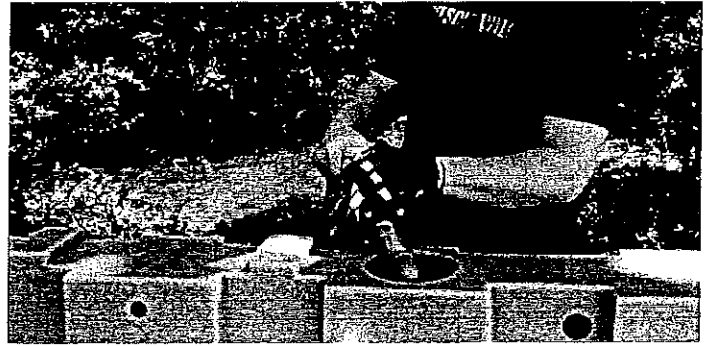
Step 7

Insert safety straps through the Muscle Wall in the closest holes to the joint. Ensure that the buckle of each strap is on the side of the wall without the toe, as shown. Only tighten the top strap at this time. The bottom strap will be used to secure the liner to the Muscle Wall during the liner installation.



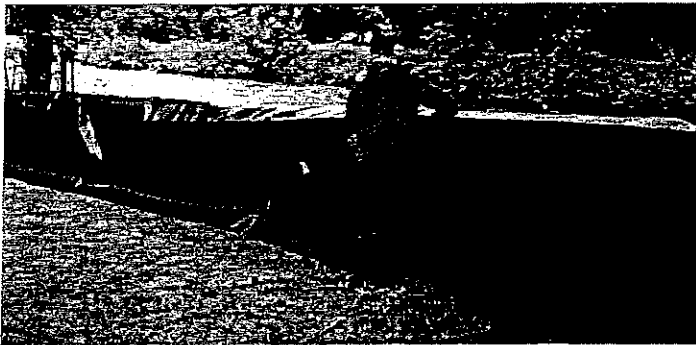
Step 8

When installing safety straps on the corners, both straps attached to the corner unit will need to run through the bottom kiss-through on the 4-foot wall. Always tighten the top strap first. Tightening the bottom strap first will cause the corner to shift upward. Tighten only the top strap for now. The bottom strap will be used to secure the liner to the Muscle Wall during the liner installation.



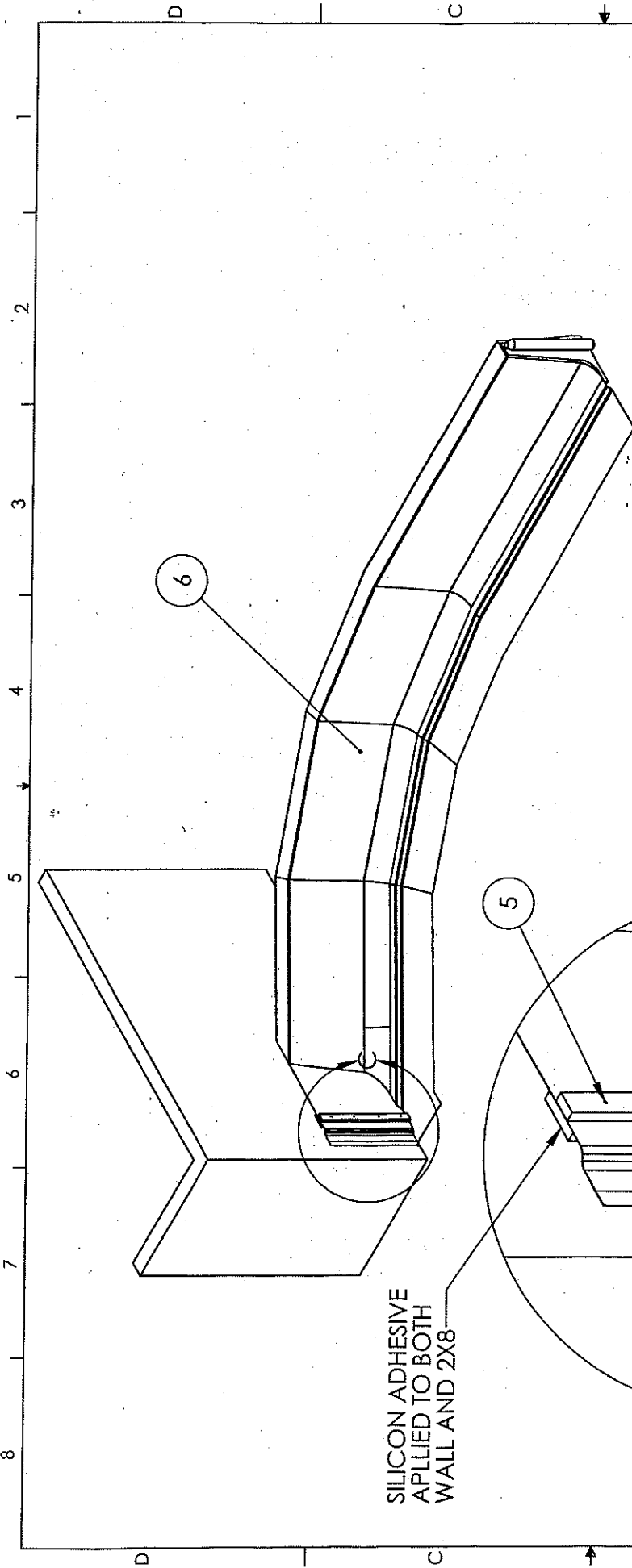
Step 9

Using preferred water source, fill each Muscle Wall unit with water. In most situations, filling each unit three-quarters full is all that is necessary.

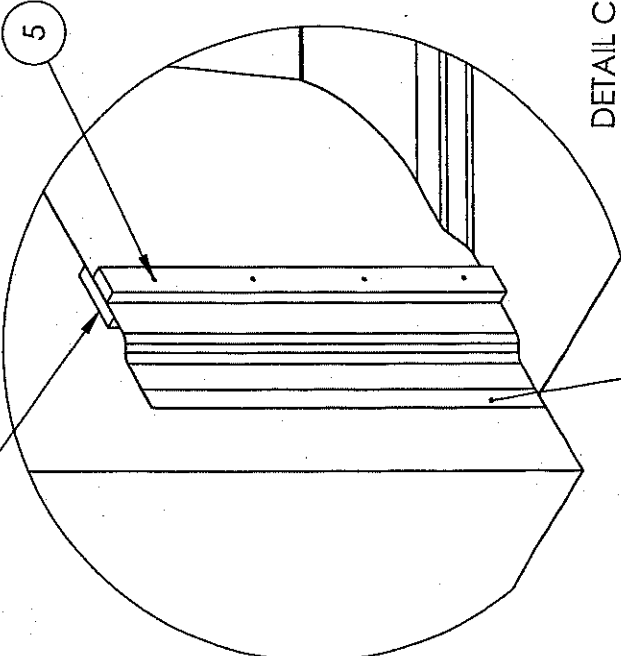


Liner Deployment

At this point the Muscle Wall system is ready for the liner to be deployed over the wall. Muscle Wall has prepared multiple different liner installation guides that are each tailored to different environments and surfaces. Please refer to a liner installation guide to complete the Muscle Wall deployment. Muscle Wall installation guides can be found at musclewall.com.



SILICON ADHESIVE
APPLIED TO BOTH
WALL AND 2X8



DETAIL C
SCALE 1:18

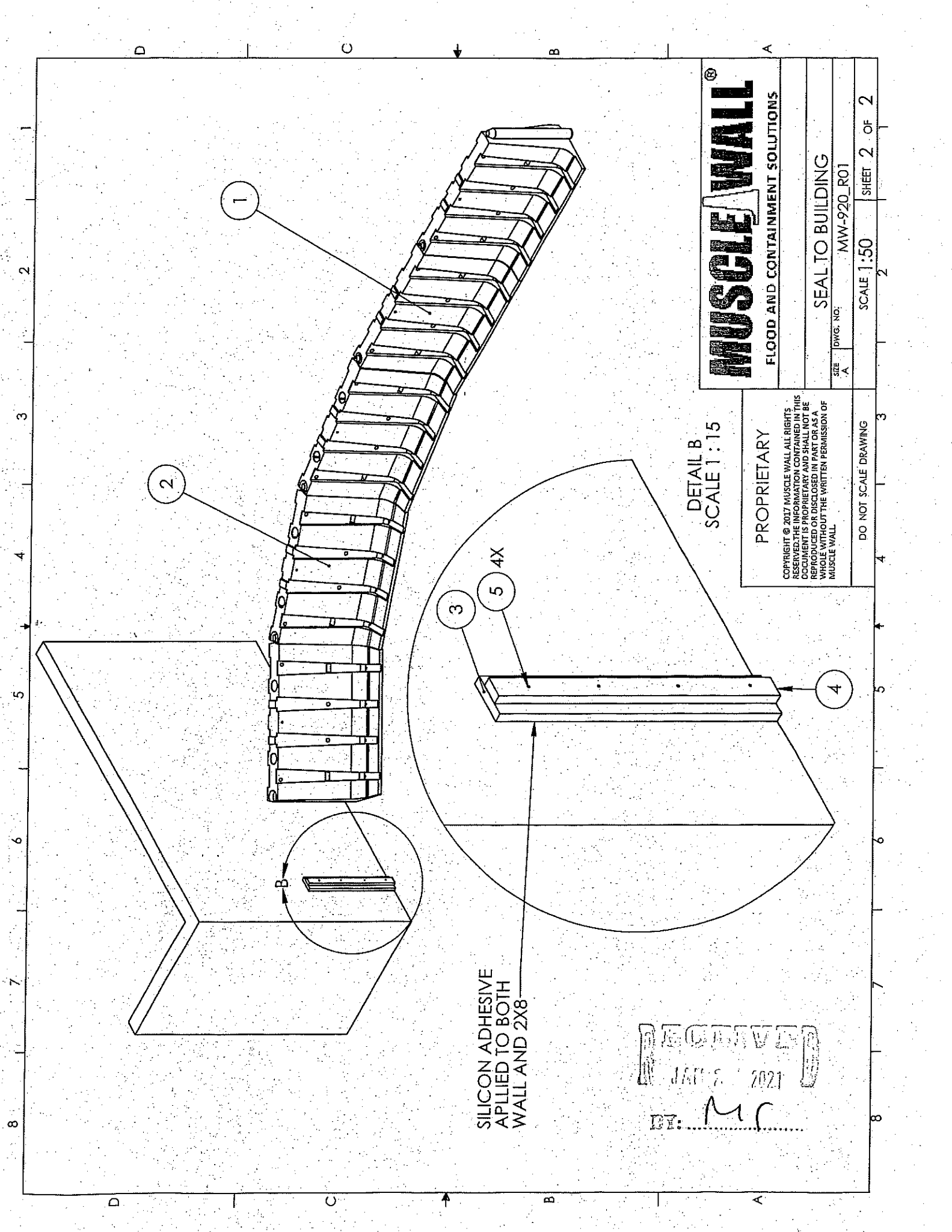
TAPE MEMBRANE TO WALL

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	MW-106	FOUR FOOT MUSCLE WALL	REF
2	MW-104	FOUR FOOT WALL	REF
3	MW-920.01_R01	2X8	1
4	MW-920.04_R01	2X4	1
5	MW-920.03	3" SCREW	4
6		LINER	REF

MUSCLE WALL®
FLOOD AND CONTAINMENT SOLUTIONS

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES XX ± 0.2 IN X ± 2.0 X ± 0.5 XXX ± 0.020 IN XXX ± 0.1 XXX ± 0.1	APPROVALS DRAWN J. WESTFALL CHECKED C. LEWIS COG ENG C. LEWIS	DATE 5/22/2020 5/22/2020 5/22/2020
MATERIAL SEE BOM	QA C. LEWIS	SIZE DWG. NO. MW-920_R01
FINISH N/A	RELEASED C. LEWIS	SCALE 1:65
DO NOT SCALE DRAWING		SHEET 1 OF 2

PROPRIETARY
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 FLOOD AND CONTAINMENT SOLUTIONS

SEAL TO BUILDING

DWG. NO.: MW-920_R01

SCALE 1:50 SHEET 2 OF 2

DETAIL B
 SCALE 1:15

PROPRIETARY

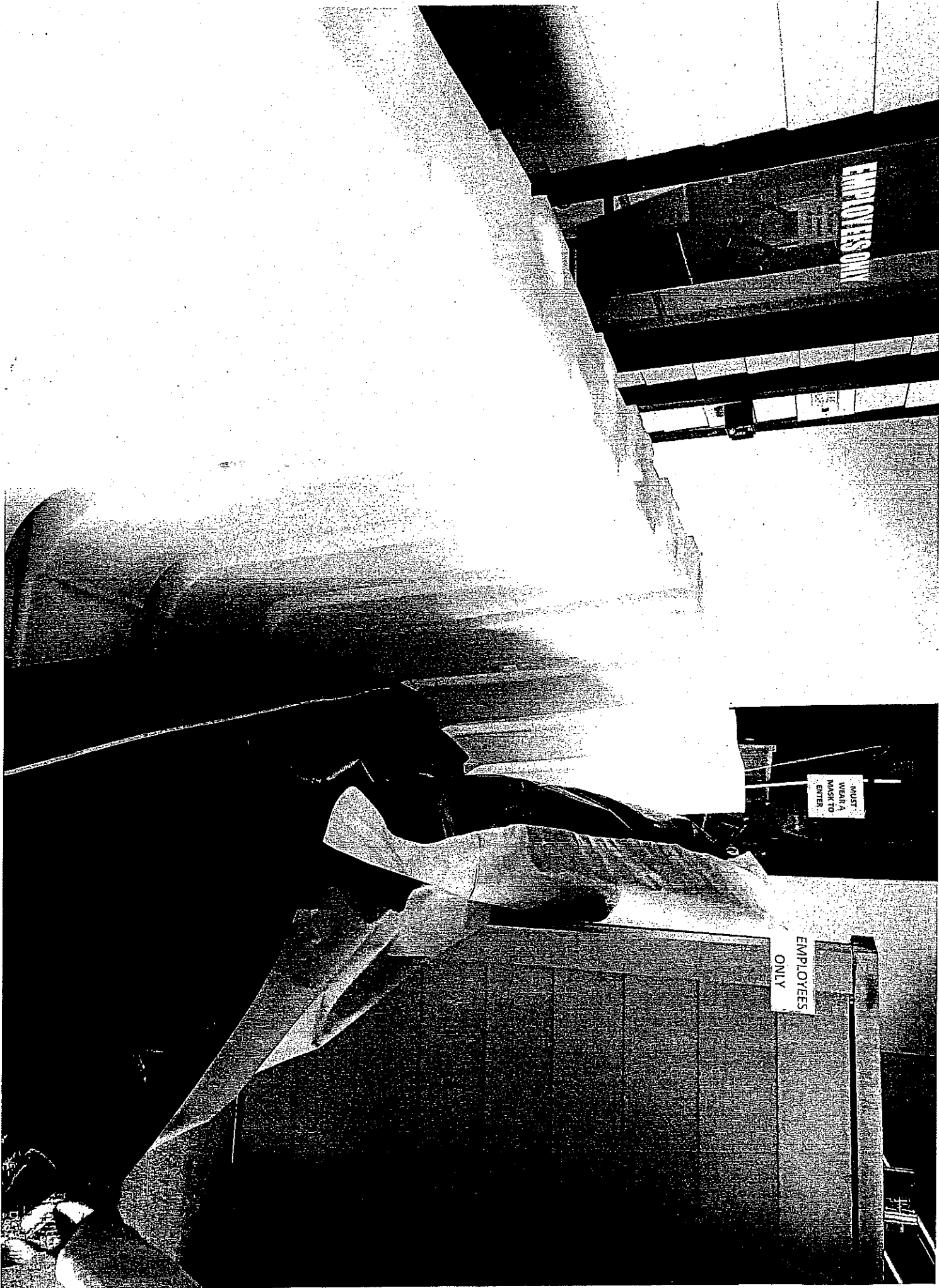
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DO NOT SCALE DRAWING

SILICON ADHESIVE APPLIED TO BOTH WALL AND 2X8

RECEIVED
 JAN 5 2021

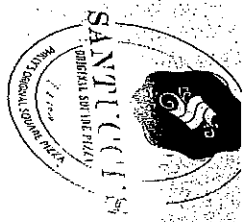
BY: *MC*



EMPLOYEES ONLY

MUST WEAR A MASK TO ENTER

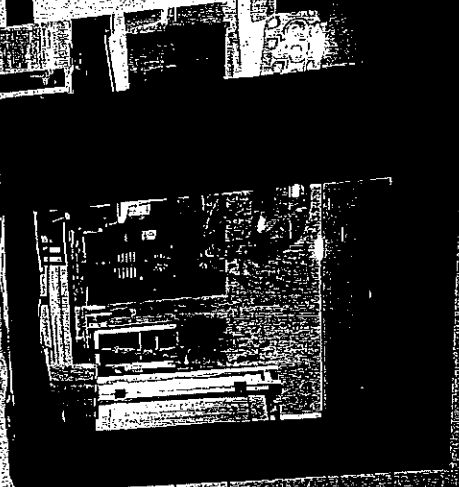
EMPLOYEES ONLY



JOIN OUR TEAM
STOP IN AND FILL OUT
AN APPLICATION

267-111-PIZZA EXT 8

JOIN OUR TEAM!
STOP IN AND FILL OUT
AN APPLICATION
267-UV-PIZZA EXT 8



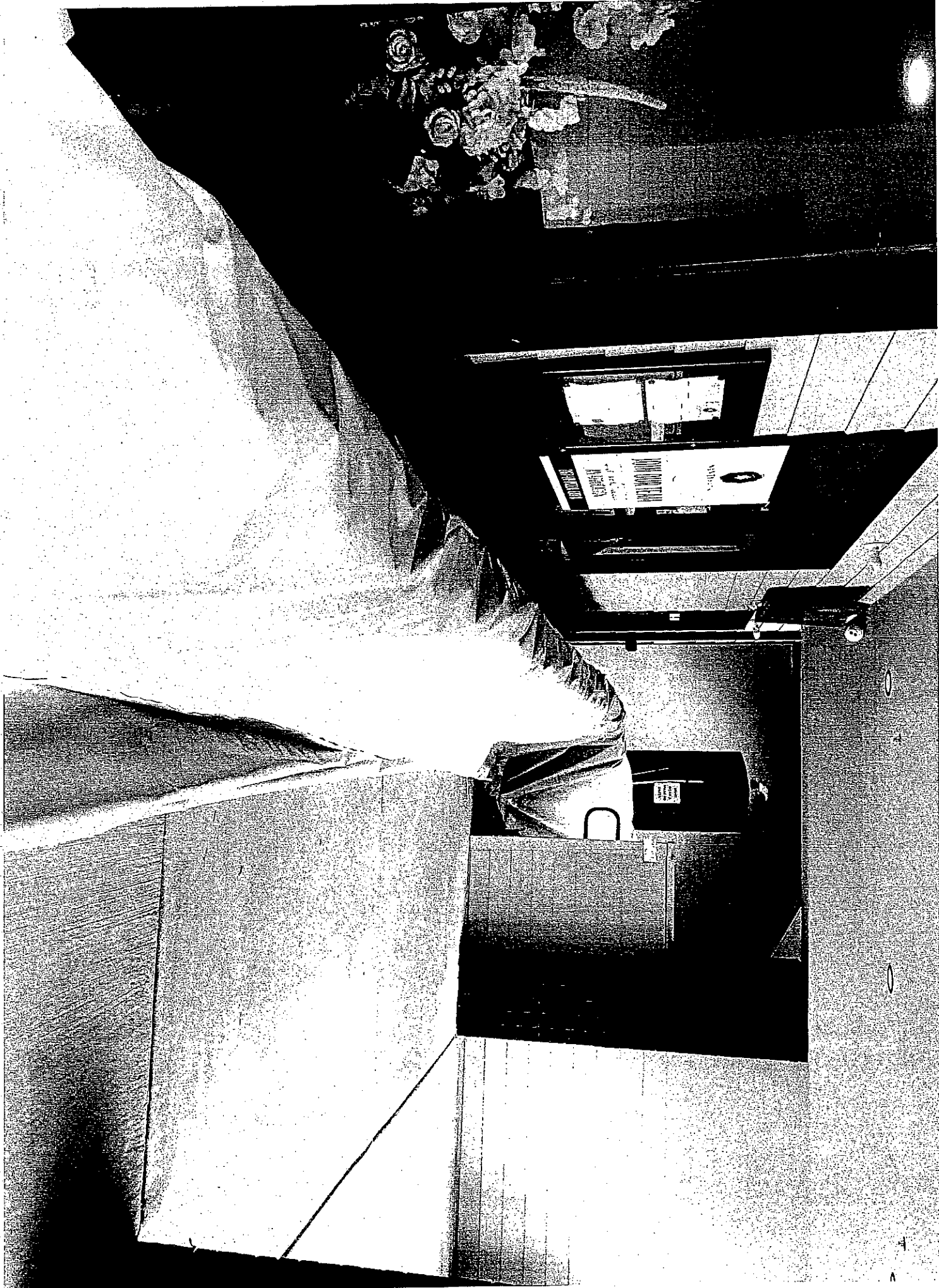
Temperature Log

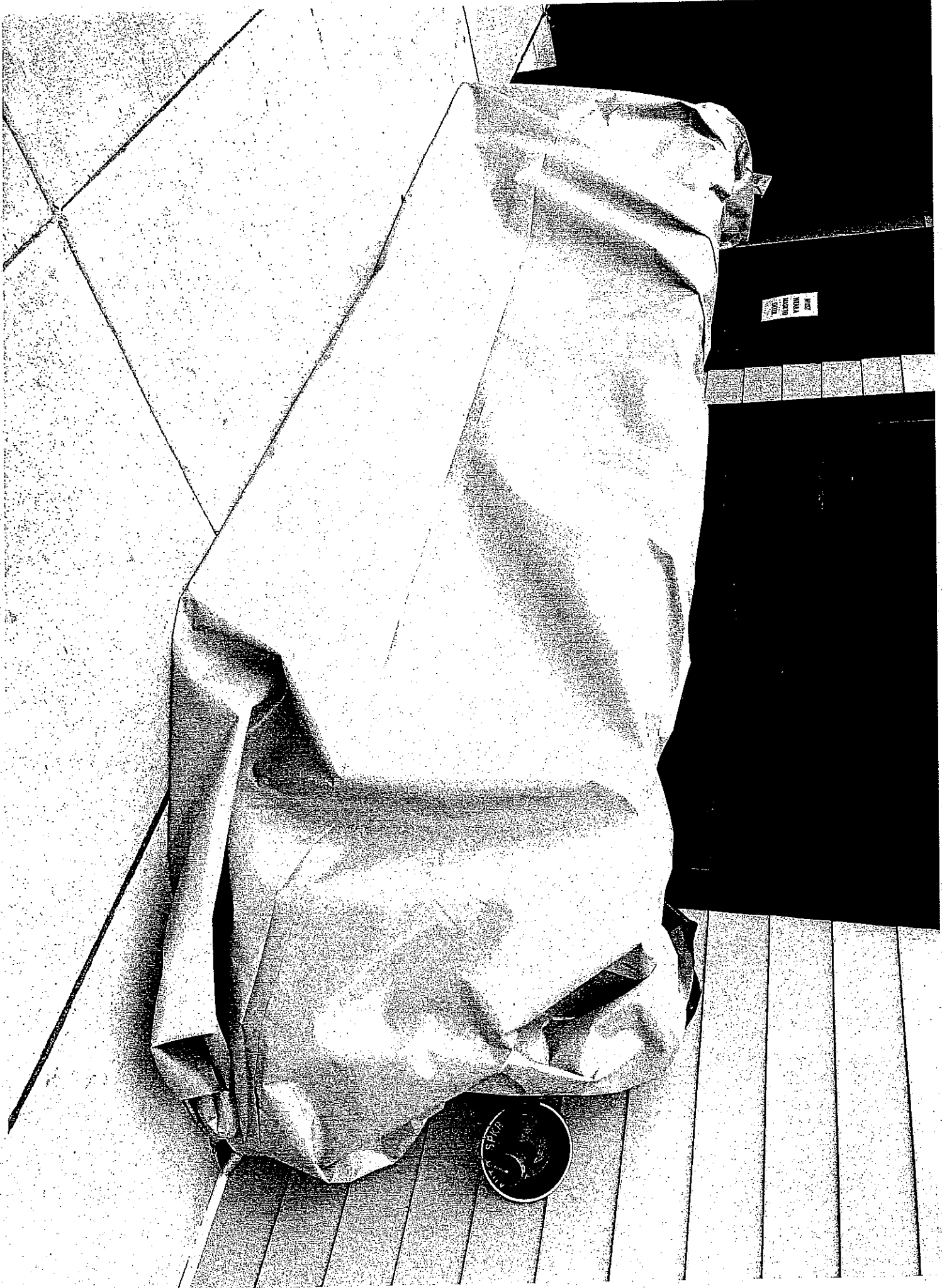
TEMPERATURES	DATE	TIME	TEMPERATURE	LOCATION
42°	40°	41°		
43°				

EMPLOYEES ONLY

APR 11

EMPLOYEES ONLY





MUST
WEAR A
MASK TO
ENTER

