

[illegible]

SCALE 176" = 1'-0"

CBS COMMERCIAL
 CONSTRUCTION - PROTECTED
 CODE IN EFFECT FBC-2023 8 TH EDITION
 ALTERATION LEVEL-2
 FRONT ELEVATION RENOVATION
 SHOPPING CENTER CONDO

EXISTING FLOOR PLAN

LOCATION REFERENCE

SCALE 1/C = 1.0°

[illegible]

Victor
Manuel
Hernandez

PE-72367

Sene
ARCHITECTS
ADRIANA GARCÉS
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ELEVATION RENOVATION
6788 COLLINS AVE
MIAMI BEACH, FL 33141

PROJECT NO. 1
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- ## MATERIALS (U. O. N. ON PLANS)

3. STRUCTURAL STEEL ANGLES, 9 SHAPES, CHANNELS, PLATES, PIPES, AND STRUCTURAL TEES: 7/8" x 3/8" KCS CONFORM TO ASTM A36.
4. STRUCTURAL TUBING: 1/2" x 48 KCS CONFORM TO ASTM A 252. WITH HARMONIZED WISCONSIN AND ILLINOIS.
5. WELDING: AWS D1.1.

1. WIND: 14-16
MEAN ROOF HEIGHT: 175 MPH
BASE WIND VELOCITY: 11
CORRUPT CATEGORY: 5
EXPLOSION: 5
EXPLOSION INTERNAL PRESSURE COEFFICIENT: 4/-0.15

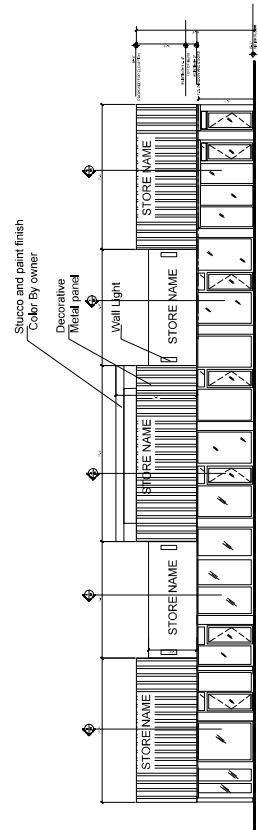
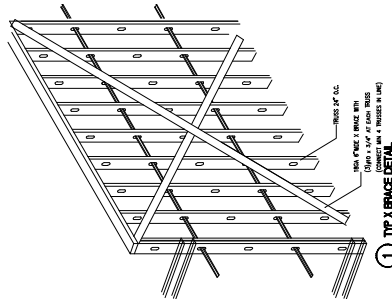
2. ROOF DESIGN LOADS:
TOTAL DEAD LOADS: 25 PSF
LIVE LOADS: 30 PSF

2. THE FABRICATION OF ECTIONS OF ALL REINFORCING AND STRUCTURAL STEEL COMPONENTS ARCHITECT ONES HAS/ARE WRITTEN
3. CONTRACTOR SHALL SUBMIT 1 BUILDING AND 1 REPRESENTATIVE SET OF SHOP DRAWINGS TO THE ARCHITECT FOR
4. CONTRACTOR SHALL TO LOCATE ALL EXISTING UTILITIES PRIOR TO EXCAVATION, AND REDUCE THE UTILITY LINES TO ACCOMMODATE
5. CONTRACTOR SHALL WORK THE STRUCTURAL PLANS IN CONJUNCTION WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING
6. EXISTING STRUCTURE CONTRACTOR SHALL REVIEW THE ORIGINAL CONSTRUCTION DRAWINGS OF THE EXISTING BUILDING PRIOR TO BEGINNING
7. THE EXISTING FOUNDATIONS AFFECTED BY THE NEW CONSTRUCTION

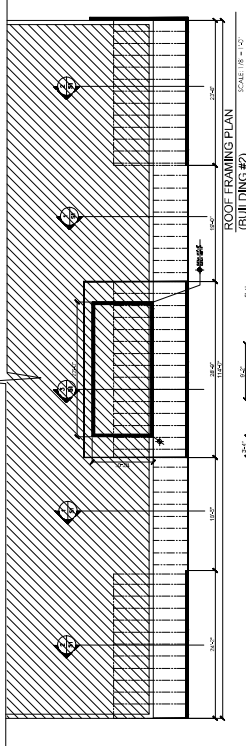
6. THE USE OF SCALE TO OBTAIN DIMENSIONS NOT SHOWN ON THESE PLANS IS STRICTLY FORBIDDEN. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS.
7. IN CASE OF DISCREPANCIES BETWEEN THE ARCHITECTURAL AND STRUCTURAL PLANS, THE ARCHITECTURAL PLANS SHALL GOVERN UNLESS OTHERWISE SPECIFIED.
8. ALL SPECIFIED MATERIALS AND CONNECTIONS CAN BE SUBSTITUTED WITH EQUAL OR BETTER, WITH THE APPROVAL OF ENGINEER OF RECORD.
9. CONTRACTOR SHALL VERIFY THAT STRUCTURE IS CONSTRUCTED WITHIN THE COMPANES OF BUILDING PLAN.

- ANCHOR BOLTS SHALL CONFORM TO EITHER ASTM A307 OR ASTM A36
- STEEL FRAMING BOLTS SHALL CONFORM TO ASTM A325, WITH HARDENED WASHERS AND HEX NUTS.
- WELDING IN THE SHOP OR FIELD MAY BE DONE ONLY BY A QUALIFIED WELDER.
- STRUCTURAL STEEL SHALL BE FABRICATED AND ERIGED IN ACCORDANCE WITH THE LATEST AISC STEEL CONSTRUCTION MANUAL.
- THE LATEST AISC PRESCRIPTIONS BOLTS SHALL CONFORM TO ASTM A325, ANCHOR BOLTS SHALL CONFORM TO ASTM A307.

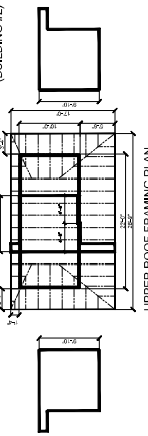
5. A FLORIDA REGISTERED ARCHITECT OR PROFESSIONAL ENGINEER SHALL INSPECT THE WELDING AND HIGH STRENGTH BOLTING AND WELDING, BENDING AND FASTENING OF LIGHTWEIGHT MATERIALS, SYSTEMS AND METAL JOINTS OF BUILDINGS WITH ARCHAICALLY DESIGNED STEEL JOIST ROOF TRUSS SYSTEMS.
6. ALL ROOF STEEL TO BE WELDED SHALL CONFORM TO A.S.T.M. A 708 AND MEET SPS-4-79 AND INCLUDE RECOMMENDED LIMITED TO 0.4% FOR #7 OR LARGER BARS AND 0.3% FOR #6 AND SMALLER BARS.



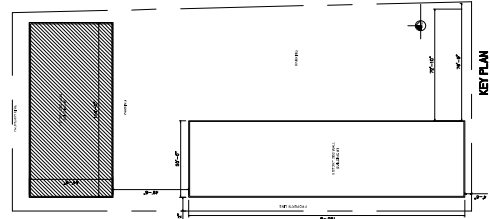
PROPOSED FRONT ELEVATION
BUILDING 2 SOUTH



ROOF FRAMING PLAN
(BUILDING #2)



UPPER ROOF FRAMING PLAN



KEY PLAN

Revisions:
 ⚠ EDC 9-27-2024

SHEET NO. 1

S2

DATE : 08/20/2024
SCALE : 3/4"=1'-0"
JOB NO. :

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sepre
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**HERNANDEZ
STRUCTURAL
DESIGN INTL.**

3/10/25, 8:44 AM

Aluminum Exterior Cladding (12 SF) – WoodPlank



ALUMINUM EXTERIOR CLADDING (12 SF)

★★★★★ 20 reviews

\$284.99 ~~\$320.00~~

Save 11%

In stock and ready to ship to Huntsville

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2/15



Version: Aug-2024

Product Submittal Sheet

Call (844) 823-6762 | www.cemrock-usa.com

Stocks Available

Product Name/ Category

Cem-Rock Extreme X4 MgO Board

Description

1/2" Load-bearing Wall Board

Size: 4' x 8'

Thickness: 1/2" (12mm)

Edge: Square

Per Sheet Weight: 79 lbs

Pallet Quantity: 38 Sheets

Properties:

Flexural Strength: Dry: 2804 psi, Wet: 1839 psi

Moisture Movement: Linear change 0.05 % (Machine-Direction), 0.05 % (Cross Direction)

Compression Indentation: 0.030 in.

Nail-Head Pull Through: 371 lbf

Shear Bond Strength Dry-Set Portland Cement: 236 psi

Shear Bond Strength Later-Cement Mortar: 268 psi

Humidified Deflection: 0.007 in.

Environment Certifications:

UL Green Guard

UL Green Guard Gold

Certificate No.: 306741-420

TVOC : 0.22 mg/m³

UL 2818 - 2022 Gold Standard for Chemical Emissions for Building Materials, Finishes and Furnishings



Environmental Product Declaration (EPD)

<https://manage.epdhub.com/?epd=HUB-0766>

Fire Performance:

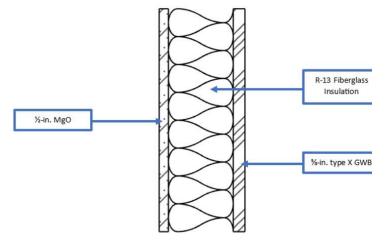
ASTM E84: Zero Flame, Zero Smoke

ASTM E136: Passed

ASTM E119/ UL263: 1 Hour Wall - Wood Frame

Wall framing in well-known designs for 1-h fire-resistance ratings, UL Design No. U305 and U425.

- Wood Studs
- Interior Sheathing: Gypsum Board (GWB)
- Wall Cavity Insulation: R-13 Fiber Glass
- Exterior Sheathing: Cem-Rock eXtreme X4 Board



ASTM E119/ UL263: 2 Hour Party Wall - Wood Frame

ASTM E119/ UL263: 2 Hour Wall - Steel Frame

Load Bearing Wall

- Steel Frame (3⁵/₈" steel studs)
- Interior Sheathing: Gypsum Board (GWB)
- Wall Cavity Insulation: R-13 Fiber Glass
- Exterior Sheathing: 2 Layers Cem-Rock eXtreme X4 Board

Acoustic Performance: ASTM E90 AND ASTM E413-22

Steel C-Joist: STC: 55 dB

Wood Open Truss: STC: 50 dB



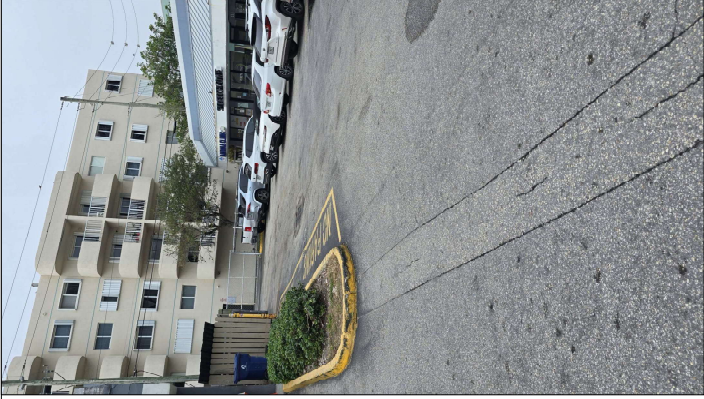
515 South 4th Ave
Mount Vernon, NY 10550
Tel: +1-844-823-6762
Email: sales@cemrock-usa.com



BUILDING N2 NORTH ELEVATION



BUILDING W2 WEST ELEVATION



BUILDING E2 EAST ELEVATION



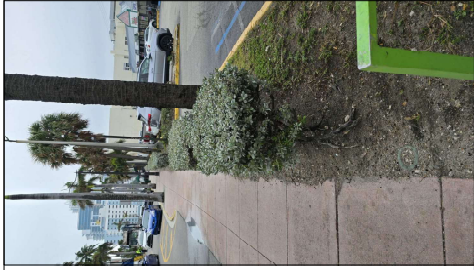
PARKING EAST SIDE



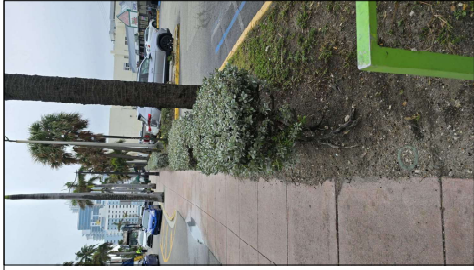
PARKING EAST SIDE



PARKING EAST SIDE



GREEN AREA EAST SIDE



GREEN AREA EAST SIDE



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Revisions:

SHEET NO. 1
PHOTOS
OF:

DATE: 11/01/2023
JOB NO. 1

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