

APPLICABLE CODES

1. FLORIDA BUILDING CODE BOOK
2. IBC 2018 FOR REINFORCED CONCRETE
3. ACI 308 FOR REINFORCED CONCRETE
4. ACI 308 FOR REINFORCED CONCRETE
5. ACI 308 FOR REINFORCED CONCRETE
6. ACI 308 FOR REINFORCED CONCRETE
7. ACI 308 FOR REINFORCED CONCRETE
8. ACI 308 FOR REINFORCED CONCRETE
9. ACI 308 FOR REINFORCED CONCRETE
10. ACI 308 FOR REINFORCED CONCRETE

MATERIALS (U. O. N. ON PLANS)

1. CONCRETE: ALL STRUCTURAL CONCRETE SHALL BE STRENGTH CLASS 4000 (F_c = 4000 PSI)
2. STEEL: ALL STRUCTURAL STEEL SHALL BE A36 (F_y = 36,000 PSI)
3. REINFORCEMENT: ALL REINFORCEMENT SHALL BE #4 (F_y = 60,000 PSI)
4. ALL OTHER MATERIALS SHALL BE AS SHOWN ON PLANS
5. ALL DIMENSIONS SHALL BE IN FEET AND INCHES UNLESS OTHERWISE NOTED
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DESIGN CRITERIA AND LOADS

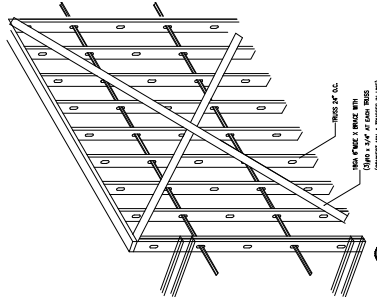
1. WIND: WIND SPEED SHALL BE 140 MPH (AS PER ASCE 7-16)
2. SEISMIC: SEISMIC ZONE SHALL BE 4 (AS PER ASCE 7-16)
3. DEAD LOAD: DEAD LOAD SHALL BE AS SHOWN ON PLANS
4. LIVE LOAD: LIVE LOAD SHALL BE AS SHOWN ON PLANS
5. WIND LOAD: WIND LOAD SHALL BE AS SHOWN ON PLANS
6. SEISMIC LOAD: SEISMIC LOAD SHALL BE AS SHOWN ON PLANS
7. ALL OTHER LOADS SHALL BE AS SHOWN ON PLANS
8. ALL OTHER LOADS SHALL BE AS SHOWN ON PLANS
9. ALL OTHER LOADS SHALL BE AS SHOWN ON PLANS
10. ALL OTHER LOADS SHALL BE AS SHOWN ON PLANS

CONTRACTORS

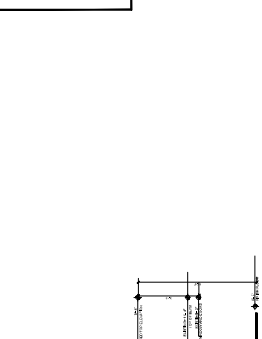
1. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES
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STRUCTURAL STEEL

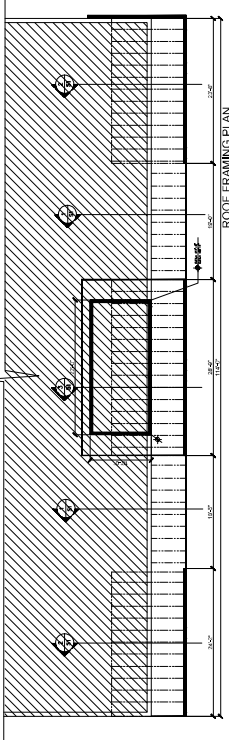
1. ALL STRUCTURAL STEEL SHALL BE A36 (F_y = 36,000 PSI)
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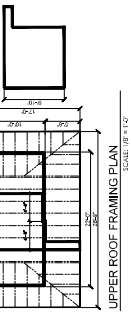
1 TYP. X BRACE DETAIL



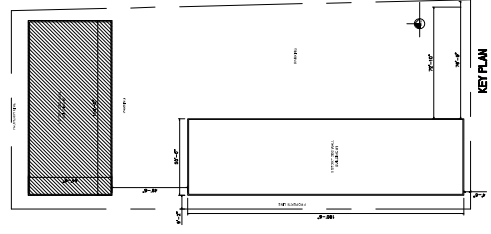
**PROPOSED FRONT ELEVATION
BUILDING 2 SOUTH**
SCALE: 1/8" = 1'-0"



**ROOF FRAMING PLAN
(BUILDING #2)**
SCALE: 1/8" = 1'-0"



UPPER ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"



KEY PLAN

sepe
ADRIANA GARCIA
MANAGER
305-992-2124

HSD
**HERNANDEZ
STRUCTURAL
DESIGN INC.**
1100 S. COLLETTA AVE.
MIAMI BEACH, FL 33134
P.O. BOX 10000
MIAMI BEACH, FL 33134
305-422-8726

ELEVATION RENOVATION
6788 COLLINS AVE
MIAMI BEACH, FL 33141

PROJECT NO. 2024-09-28
DATE: 11/22/24
BY: VICTOR HERNANDEZ

SHEET NO. 1
S2

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ALUMINUM EXTERIOR CLADDING (12 SF)

★★★★★ 20 reviews

\$284.99 ~~\$320.00~~ Save 11%

In stock and ready to ship to [Huntsville](#)

<https://woodplank.com/products/aluminum-cladding>



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:

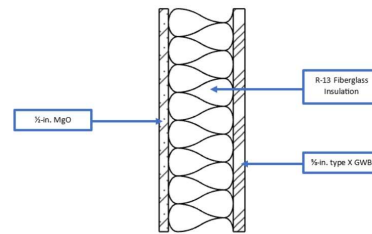
ASTM E84: Zero Flame, Zero Smoke

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

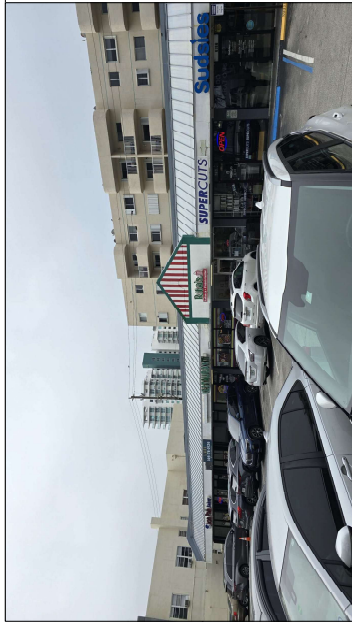
Acoustic Performance: ASTM E90 AND ASTM E413-22

Steel C-Joist: STC: 55 dB

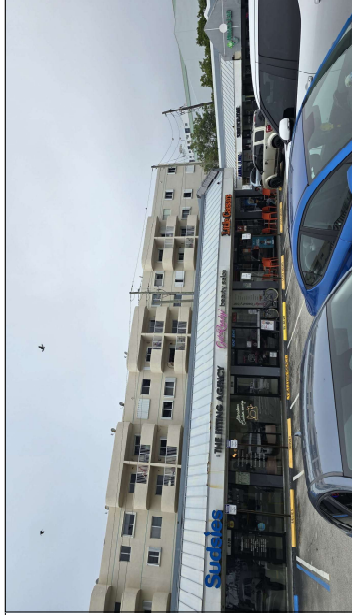
Wood Open Truss: STC: 50 dB



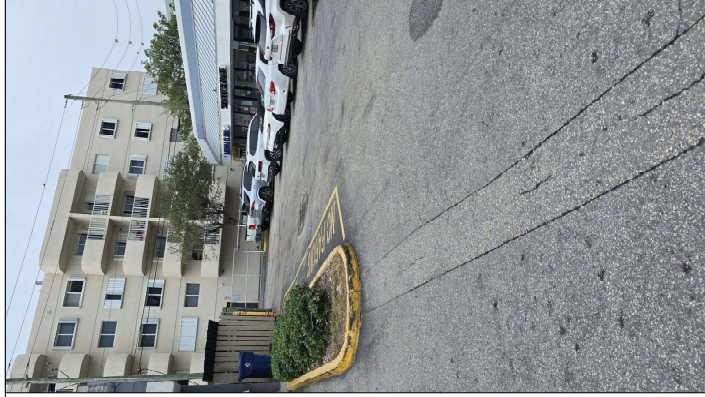
515 South 4th Ave
Mount Vernon, NY 10550
Tel: +1-844-823-6762
Email: sales@cemrock-usa.com



BUILDING W/ EAST ELEVATION



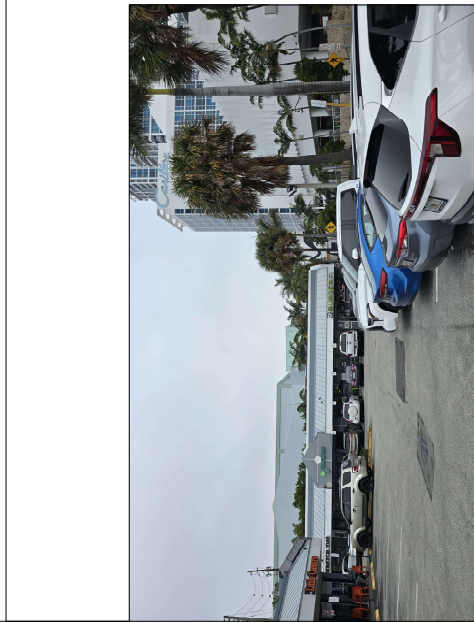
BUILDING W/ EAST ELEVATION



BUILDING W/ NORTH ELEVATION



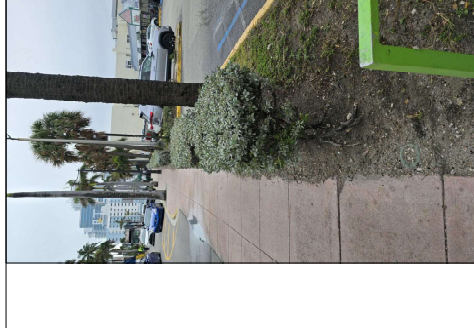
PARKING EAST SIDE



PARKING EAST SIDE



GREEN AREA EAST SIDE



GREEN AREA EAST SIDE

PROJECT NO. 1
DATE: 11/11/2019
JOB NO. 1

DESIGNED BY
sepe
ADRIANA GARCÉS
MANAGER
305.422.8776

HSD
**HERNANDEZ
STRUCTURAL
DESIGN, INC.**
Victor Hernandez
P.E. #2287, C.A. 26984
1100 S.W. 15th Street, Suite 100
Boca Raton, FL 33432
Tel: 561.992.8776
Fax: 561.992.8776
www.hsd.com

ELEVATION RENOVATION
6788 COLLINS AVE
MIAMI BEACH, FL 33141

Revision:

PHOTOS

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VICTOR HERNANDEZ
PE-2287





























