

System No. BW-S-0013
XHBN.BW-S-0013
Joint Systems

Page Bottom

Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
Authorities Having Jurisdiction should be consulted before construction.
Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements.

XHBN - Joint Systems

XHBN7 - Joint Systems Certified for Canada

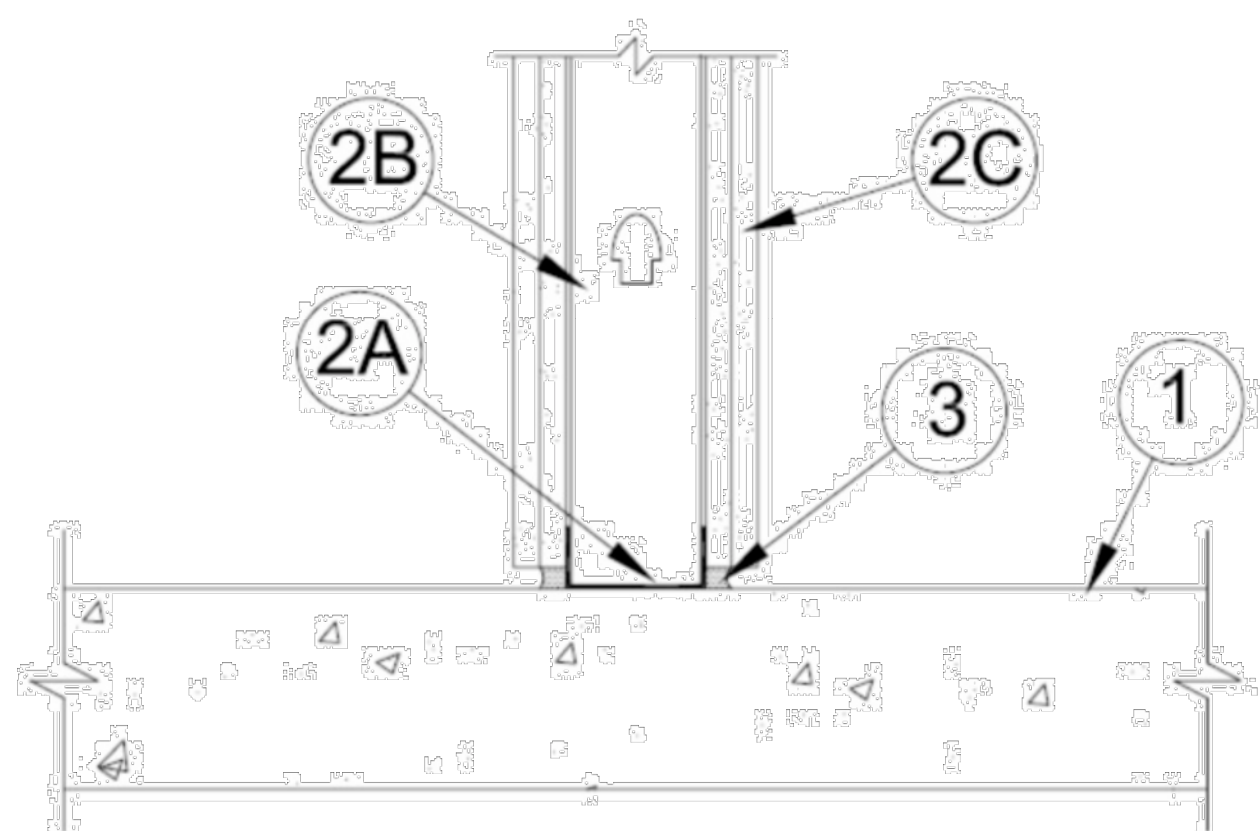
See General Information for Joint Systems

See General Information for Joint Systems Certified for Canada

System No. BW-S-0013

May 18, 2012

Table with columns ANSI/UL2079 and CAN/ULC S115, listing Assembly Ratings, Joint Width, FT Ratings, FH Ratings, FTH Ratings, and Joint Width.



1. Floor Assembly - Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) structural concrete.

2. Wall Assembly - The 1 or 2 hr fire rated gypsum board/steel stud wall assembly shall be constructed of the materials and in the manner specified in the individual U400, V400 or W400 Series Wall and Partition Design in the UL Fire Resistance Directory.

A. Steel Floor Runner - Floor runners of wall assembly shall consist of min No. 25 gauge galv steel channels sized to accommodate steel studs (Item 2B).

B. Studs - Min size as specified in the individual design. Studs cut 3/8 to 5/8 in. (10 to 16 mm) less in length than assembly height with bottom nesting in, resting on and fastened to floor runner with sheet metal screws.

C. Gypsum Board\* - Gypsum board installed to a min total thickness of 5/8 or 1-1/4 in. (16 or 32 mm) on each side of wall for a 1 or 2 hr rated wall, respectively. Wall to be constructed as specified in the individual U400 or V400 Series Design in the UL Fire Resistance Directory.

The hourly ratings of the joint system are equal to the hourly fire rating of the wall.

3. Fill, Void or Cavity Material\* - Sealant - Max separation between top of floor and bottom of gypsum board is 5/8 in. (16 mm). Min 1/2 in. (13 mm) thickness of fill material installed on each side of the wall between the bottom of the gypsum board and the top of the concrete floor.

UNITED STATES GYPSUM CO - Type A or AS

\* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Last Updated on 2012-05-18

Questions? Print this page Terms of Use Page Top

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System No. HW-S-0089
XHBN.HW-S-0089
Joint Systems

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Design/System/Construction/Assembly Usage Disclaimer

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XHBN - Joint Systems

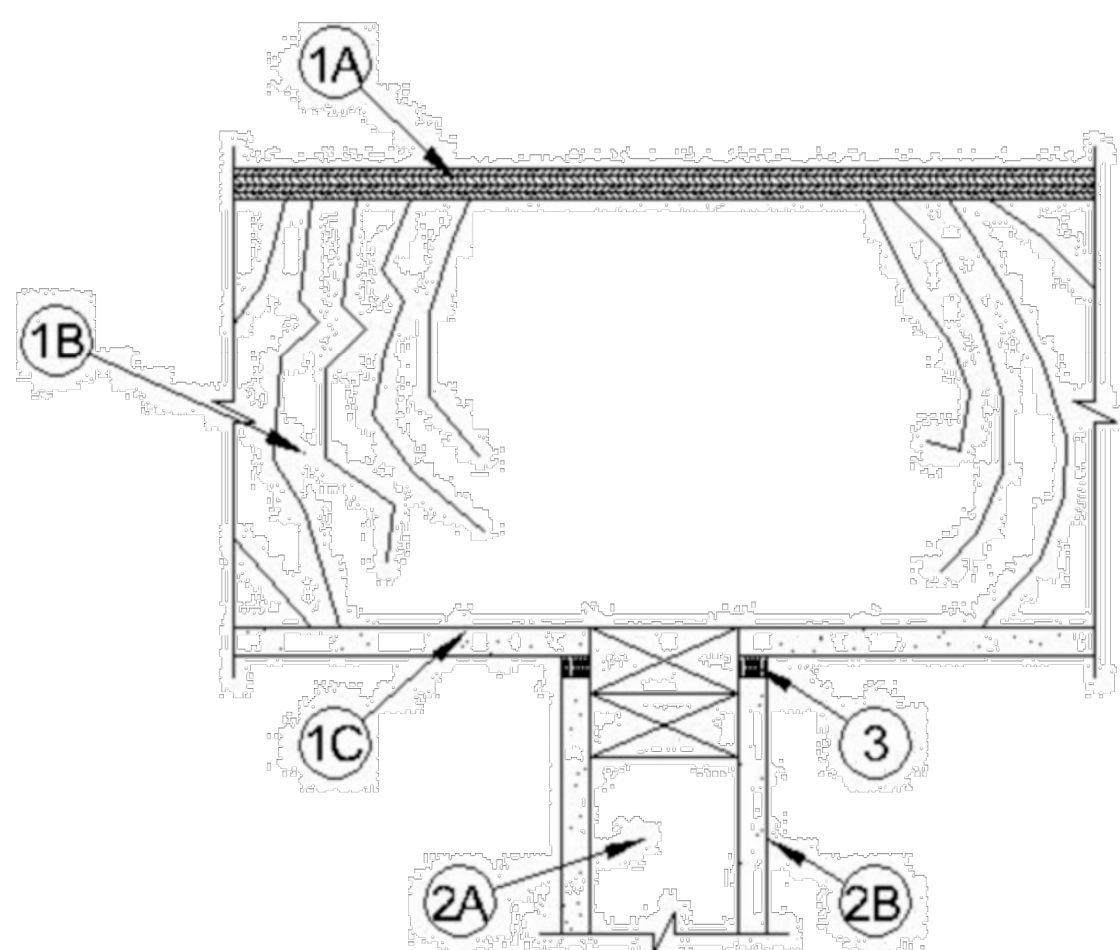
System No. HW-S-0089

December 11, 2008

Assembly Rating - 1 Hr

Joint Width - 1/2 In. Max

See General Information for Joint Systems



1. Floor Assembly - The 1 hr fire rated wood joist, wood truss or combination wood and steel truss Floor-Ceiling assembly shall be constructed of the materials and in the manner described in the individual L500 Series Floor-Ceiling Design in the UL Fire Resistance Directory.

A. Flooring System - Lumber or plywood subfloor with finish floor of lumber, plywood or Floor Topping Mixture\* as specified in the individual Floor-Ceiling Design.

B. Wood Joists - Nom 10 in. (254 mm) deep (or deeper) lumber, steel or combination lumber and steel joists, trusses or Structural Wood Members\* with bridging as required and with ends firestopped.

C. Gypsum Board\* - Nom 4 ft. (122 cm) wide by 5/8 in. (16 mm) thick as specified in the individual Floor-Ceiling Design.

2. Wall Assembly - The 1 hr fire rated gypsum board/lumber stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 Series Wall and Partition Designs in the UL Fire Resistance Directory.

A. Studs - Wall framing to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Top plate installed parallel or perpendicular to direction of wood joists and secured to bottom of joists with steel fasteners spaced max 24 in. (610 mm) OC.

B. Gypsum Board\* - Gypsum board sheets installed to a min total thickness of 5/8 in. (16 mm) on each side of wall. Wall to be constructed as specified in the individual Wall and Partition Design in the UL Fire Resistance Directory.

3. Joint System - Fill, Void or Cavity Material\* - Max separation between the bottom of the ceiling and the top of the wall is 1/2 in. (13 mm). Min 5/8 in. (16 mm) thickness of fill material installed to fill the joint, flush with each surface of the wall.

UNITED STATES GYPSUM CO - Type AS or Type FC

\* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Last Updated on 2008-12-11

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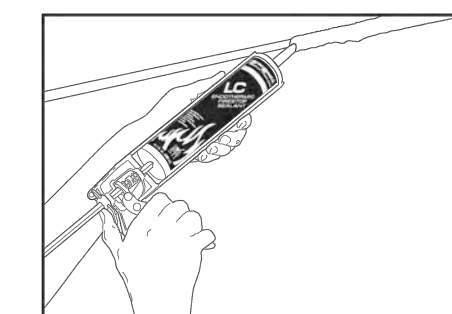
PRODUCT DATA SHEET



SERIES LC ENDOTHERMIC SEALANT

APPLICATIONS

SpecSeal® Series LC Sealant is designed primarily for sealing construction joints and gaps as well as penetrations for noncombustible penetrants. SpecSeal Series LC has been tested and approved for single metallic pipe penetrations up to 30" (762 mm) as well as multiple penetrations through both masonry and gypsum wallboard constructions.



PRODUCT DESCRIPTION

SpecSeal® Series LC Sealant is a latex-based, high solids freestop compound. This material, when properly installed, will effectively seal penetration openings and joints against the spread of fire, smoke, toxic gasses and water.

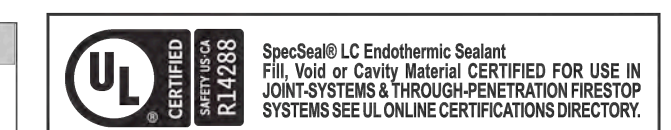
Table with columns FEATURE and BENEFIT, listing properties like Water-Based, Endothermic Fillers, High Solids Formula, etc.

PERFORMANCE

SpecSeal® Series LC Sealant is the basis for systems that meet the exacting criteria of ASTM E1966 (UL2079) and CANULCS115 as well as the time-temperature requirements of ASTM E119. Tested systems will provide up to a 3 hour rating utilizing as little as 14" (6 mm) of sealant depth (1/2" (13 mm) for 4 hours). All tested systems have been cycled 500 times at total movement up to +/- 12.5% or 25% in compression only.

PHYSICAL PROPERTIES

Table with columns Properties and Series LC, listing Color, Odor, Density, Solids Content, pH, In Service Temperature, etc.



SPECIFICATIONS

The firestopping sealant shall be a one-part, latex-based compound. The sealant shall dry to form a flexible non-shrinking penetration seal and shall be capable of allowing pipe movement and shall contain no solvents, water soluble fillers, or inorganic fibers.

Table with columns SPECIFIED DIVISIONS, listing DW 7 07840, DW 13 13900, DW 15 15250, DW 16 16050.

Technical Service 1-800-992-1180 www.stifirestop.com STI Product Data Sheet • Series LC Endothermic Sealant • F0D-5130 1586

INSTALLATION INSTRUCTIONS

GENERAL: Areas to be protected must be clean and free of oil, loose dirt, rust or scale. Installation temperatures must be between 35°F (2°C) and 100°F (38°C). Allow product to dry a minimum of 24 hours before exposure to moisture.

SYSTEM SELECTION: Consult UL® Fire Resistance Directory, STI Product & Application Guide, or drawings provided by the manufacturer for specific details concerning installation design and requirements.

FORMING: Some installations may require forming as either an integral part of the system or as an option to facilitate installation. In systems where forming is required, mineral wool batting (2" (76 mm) nom. thickness, min. 4 lb./cu. ft. (64 kg/m³) density) is recommended.

INSTALLATION OF FILL MATERIAL: SpecSeal® Series LC Sealant may be installed by caulking using a standard caulking gun or from bulk containers using a bulk loading caulk gun, or by manually troweling using a mason's trowel or putty knife.

COVER PLATE: In some designs a galvanized steel cover plate (28 gauge) may be used to upgrade the fire resistance rating to 4 hours. Consult STI Product and Application Guide for dimensional and fastening requirements.

LIMITATIONS: SpecSeal® Series LC Sealant is water-based and cures through the evaporation of water. Low temperatures as well as high humidity may retard drying. Non-porous or impermeable backing materials, plates or coatings may retard the drying process.

MAINTENANCE

Inspection: Installations should be inspected periodically for subsequent damage. Any damage should be repaired using SpecSeal® Series LC Sealant as per the original approved design.

TECHNICAL SERVICE

Specified Technologies Inc. provides toll free technical support to assist in product selection and appropriate installation design.

PRECAUTIONARY INFORMATION

Consult Material Safety Data Sheet for additional information on the safe handling and disposal of this material. Wash areas of skin contact with soap and water. Avoid contact with eyes.

CAUTION: COATING IS CONDUCTIVE UNTIL DRY. DO NOT APPLY TO OR IN THE PRESENCE OF ENERGIZED ELECTRICAL CONDUCTORS.

AVAILABILITY

SpecSeal® Series LC Sealant is available from authorized distributors worldwide. Consult factory for names and locations of the nearest sales representatives or distributors.

Table with columns Cat. No., Description, Packaging, Size, listing LC150, LC120, LC129, LC155.

CITY OF NEW YORK MEA 129-96-M

IMPORTANT NOTICE: All statements, technical information, and recommendations contained herein are based upon testing believed to be reliable, but the accuracy and completeness thereof is not guaranteed.

LIMITED WARRANTY: STI warrants that its products will be free of defects for one year from the date of purchase. In the event a product does not conform to this warranty, the sole and exclusive remedy is, at STI's option, replacement of the product or refund of the purchase price.

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Somerville NJ 08876 USA • Phone: 800.992.1180 • Fax: 908.526.9623

STI Product Data Sheet • Series LC Endothermic Sealant • F0D-5130 1586 Technical Service 1-800-992-1180 www.stifirestop.com

1330 Building

1330 15th Street, Miami Beach, FL 33139

PROJECT OWNER:

NOTUS LLC
435 21st Street, Miami Beach, FL 33139

ARCHITECT OF RECORD:



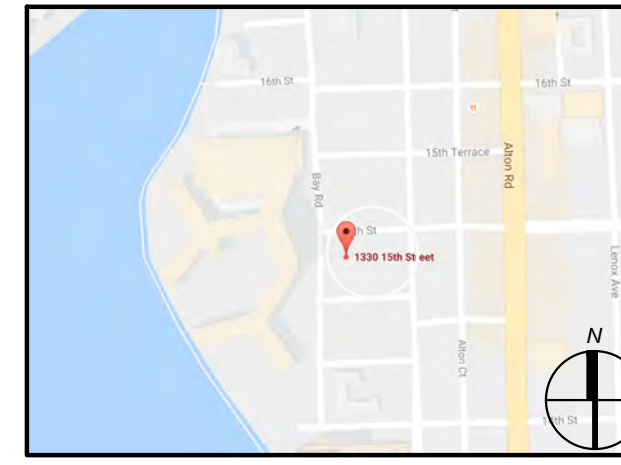
RD Architects
1800 SW 1st Avenue, Suite 607, Miami, Florida 33129
F: 786.762.2679 P: 305.831.9079 C: 305.282.0005
Email: rda@rda-archint.com
www.rda@rda-archint.com

AA26002510

STRUCTURAL ENGINEER:

CONSULTANT:

KEY PLAN



SIGNATURE / DATE / SEAL

Victor H. Rodriguez, Registered Architect
State of Florida # AR0094965
786.762.2679 v.h.rodriguez@rda-archint.com

PERMIT SET

Issue Date / For
08.28.2016 / Design Review Board

DDCI Project #: 1615.00

Drawn by: URB

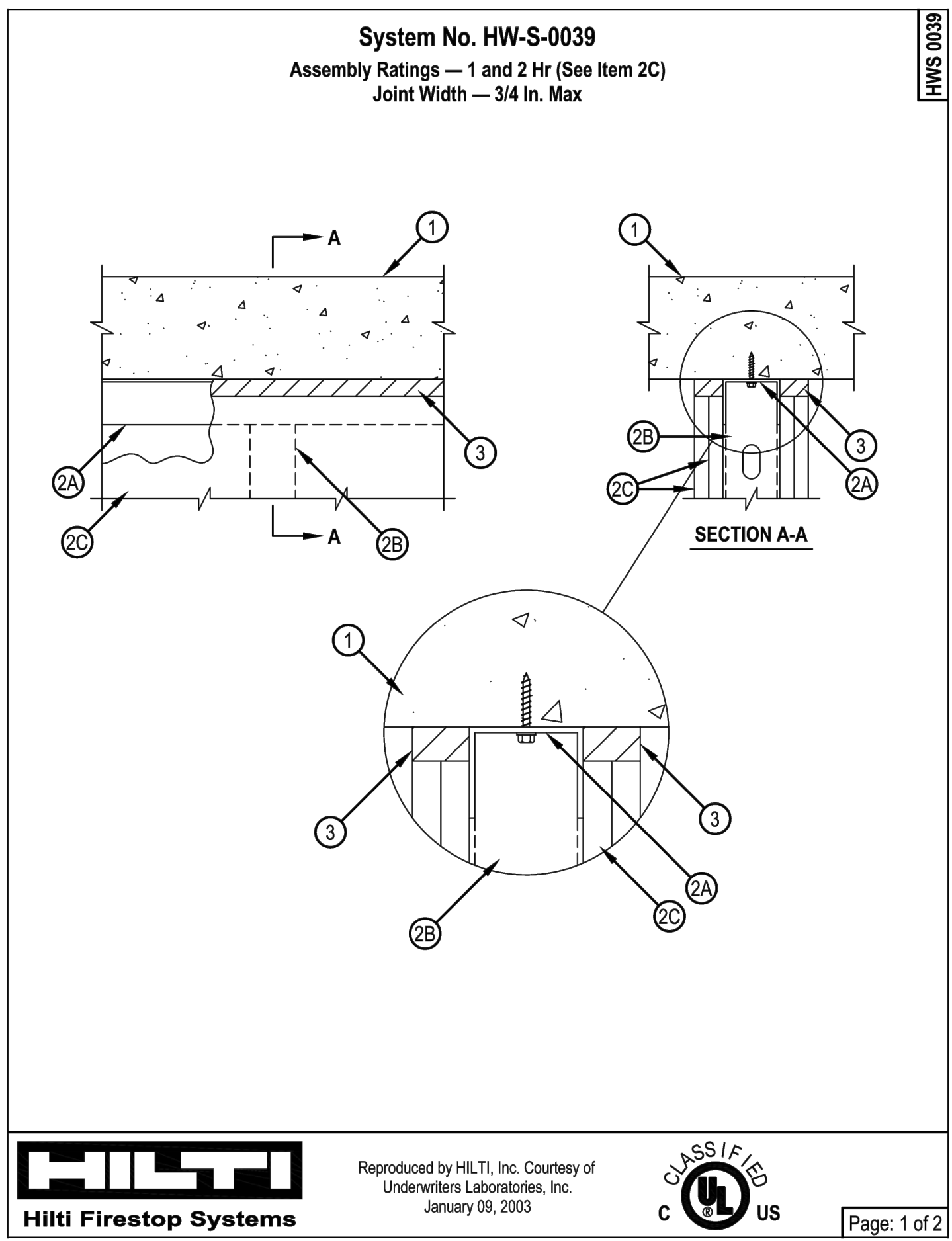
Approved by: VHR

SHEET INDEX

SCALE:

SHEET NO.

A-7.8



**System No. HW-S-0039**  
**Assembly Ratings — 1 and 2 Hr (See Item 2C)**  
**Joint Width — 3/4 in. Max**

1. Floor Assembly — Min 4-1/2 in. thick reinforced lightweight or normal weight (100-150 pcf) structural concrete.

2. Wall Assembly — The 1 or 2 hr fire-rated nonbearing gypsum wallboard/steel stud assembly constructed of the materials and in the manner described in the individual U400- Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. Steel Floor and Ceiling Runners — Top and bottom runners of wall assembly shall consist of min 25 ga galv steel channels sized to accommodate steel studs (Item 2B). Ceiling runner to be provided with 2 in. flanges. Ceiling runner secured with steel fasteners spaced max 12 in. OC.

B. Studs — Steel studs to be min 2-1/2 in. wide. Steel studs cut 1 in. less in length than assembly height with bottom nesting in and resting on floor runner and with top nesting in ceiling runner without attachment. Steel stud spacing not to exceed 24 in. OC.

C. Gypsum Board\* — Wallboard sheets to be installed to a min total thickness of 5/8 or 1-1/4 in. on each side of the wall for a 1 or 2 hr fire rated wall, respectively. Wall to be constructed as specified in the individual Wall and Partition Design in the UL Fire Resistance Directory, except that a nom 1/2 in. to 3/4 in. gap shall be maintained between the top of the wallboard and the bottom of the concrete floor. The screws attaching the wallboard to studs at the top of the wall shall be located 4 in. from the floor. No screws are to be installed closer than 4 in. from the floor. The hourly fire rating of the joint system is dependent on the hourly fire rating of the wall.

3. Fill, Void or Cavity Material\* — Sealant — Max separation between bottom of floor and top of wall is 3/4 in. Fill material installed on each side of the wall between the top of the wallboard and the bottom of the concrete floor, flush with each surface of wallboard. A min 5/8 or 1-1/4 in. thickness of fill material is required for a 1 or 2 hr fire rated wall, respectively.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE Sealant

\*Bearing the UL Classification Mark

**HILTI**  
 Hilti Firestop Systems

**CLASSIFIED**  
 UL US

Page: 2 of 2

**UL DESIGN - CEILING ASSEMBLY FOR U400**  
 NTS"

**UL ONLINE CERTIFICATIONS DIRECTORY**

**System No. BW-S-0032**  
**XHBN.BW-S-0032**  
**Joint Systems**

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**Design/System/Construction/Assembly Usage Disclaimer**

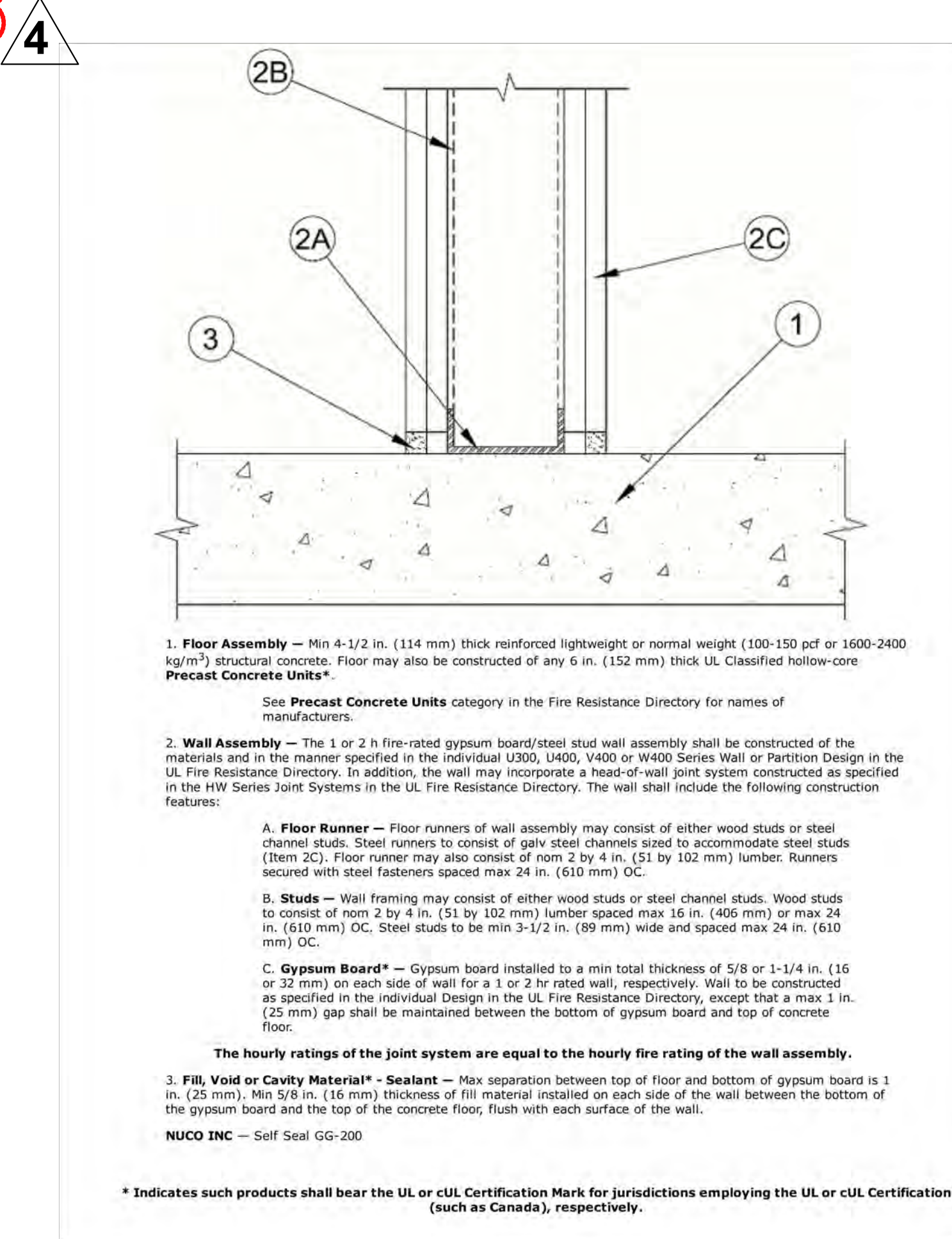
- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

**XHBN - Joint Systems**  
**XHBN7 - Joint Systems Certified for Canada**

See General Information for Joint Systems  
 See General Information for Joint Systems Certified for Canada

**System No. BW-S-0032**  
 May 08, 2014

ANSI/UL2079	CAN/ULC S115
Assembly Rating — 1 and 2 Hr (See Item 2)	F Rating — 1 and 2 Hr (See Item 2)
Joint Width - 1 in. Max	FT Rating — 1 and 2 Hr (See Item 2)
L Rating At Ambient — Less Than 1 CFM/in ft	FH Rating — 1 and 2 Hr (See Item 2)
L Rating At Ambient — Less Than 1 CFM/in ft	FTH Rating — 1 and 2 Hr (See Item 2)
	Joint Width - 25 mm Max
	L Rating At Ambient — Less Than 1 CFM/in ft
	L Rating At 400 F — Less Than 1 CFM/in ft



**UL DESIGN - FLOOR ASSEMBLY SUITABLE FOR U300 AND U400**  
 NTS"

# 1330 Building

1330 15th Street, Miami Beach, FL 33139

PROJECT OWNER:  
NOTUS, LLC  
435 21st Street, Miami Beach, FL 33139

ARCHITECT OF RECORD:

**RD Architects**  
 1800 SW 1st Avenue, Suite 607, Miami, Florida 33129  
 P: 786.762.2679 F: 305.831.8079 C: 305.282.0005  
 Email: rda@rda-archint.com  
 www.rda@rda-archint.com / AA26002510

CONSULTANT ENGINEER:



SIGNATURE / DATE / SEAL

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Victor H. Rodriguez,  
 Registered Architect  
 State of Florida # AR0094965  
 305.282.0005 vh.rodriguez@rda-archint.com

### PERMIT SET

Issue	Issue Date / For
	12.05.2016 / Owner Revisions
	05.05.2017 / Reviewer Comments
	08.07.2017 / Reviewer Comments
	12.17.2017 / Fire Dept. Comments

DDCI Project #: 1628.00  
 Drawn by: VHR  
 Approved by: VHR

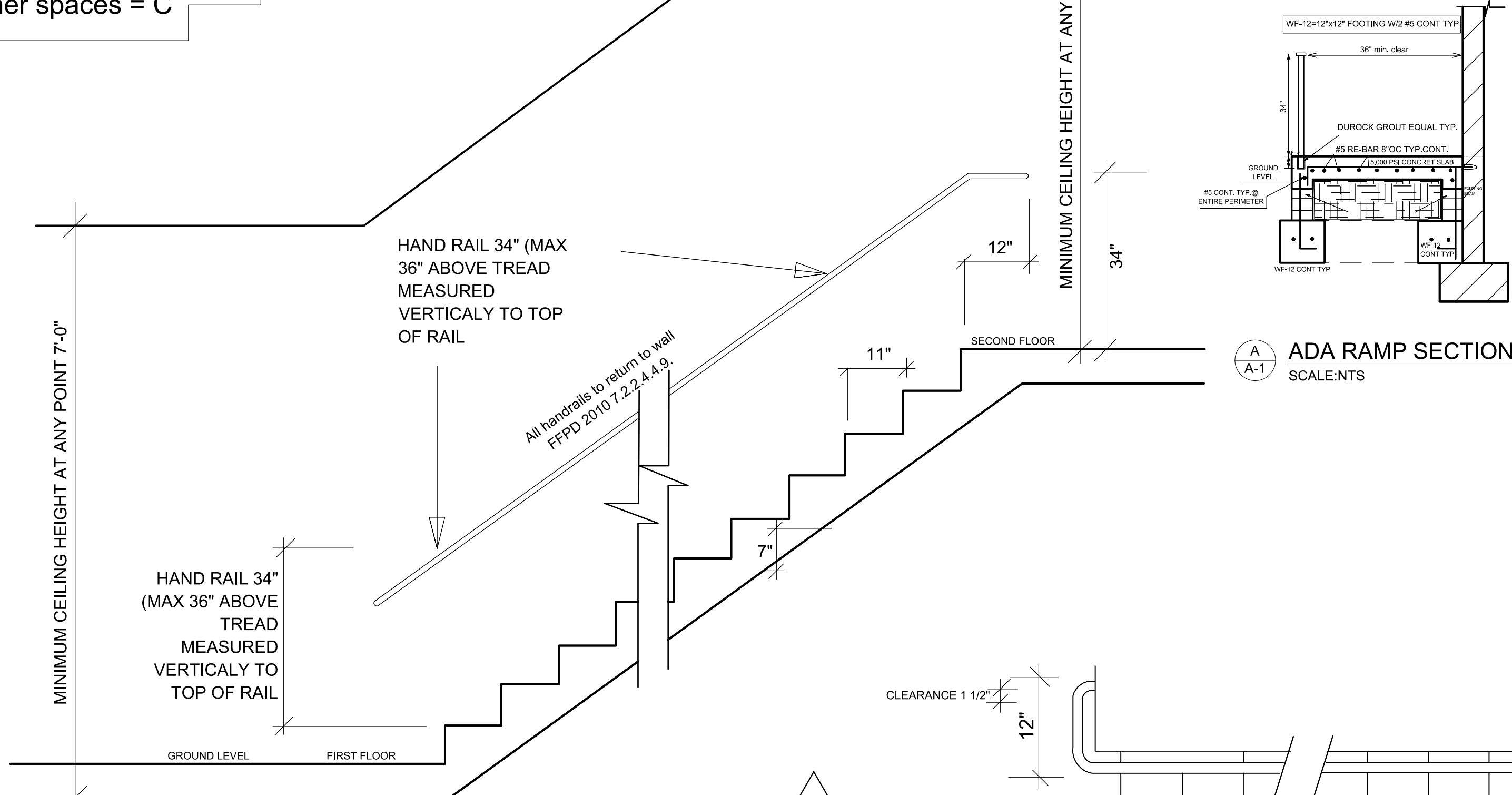
### 4 - UL Design Detail

SCALE: NTS  
 SHEET NO.

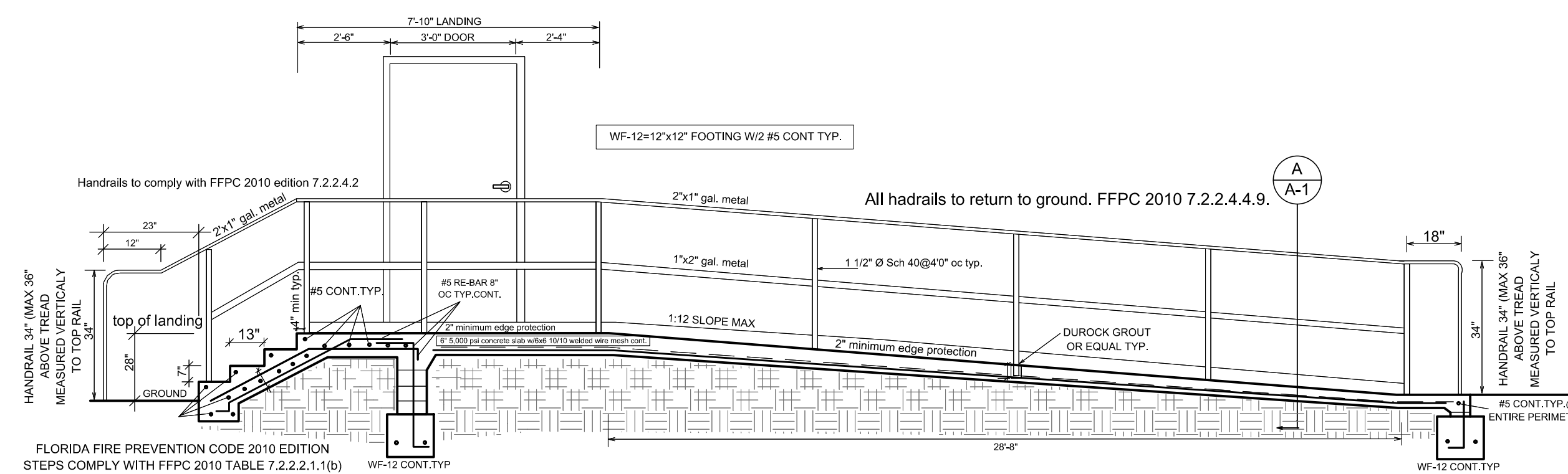
# A-7.9

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TABLE A.10.2.2 PROVIDED COMPUTATION OF THE INTERIOR FINISH REQUIREMENTS OF THE OCCUPANCY:  
 APARTMENT BUILDING - EXISTING WITH A NEW COMPLETE STANDART AUTOMATIC SPRINKLERS  
 1-Existing apartment exits = B  
 2-Exit access corridor = B  
 3-Other spaces = C

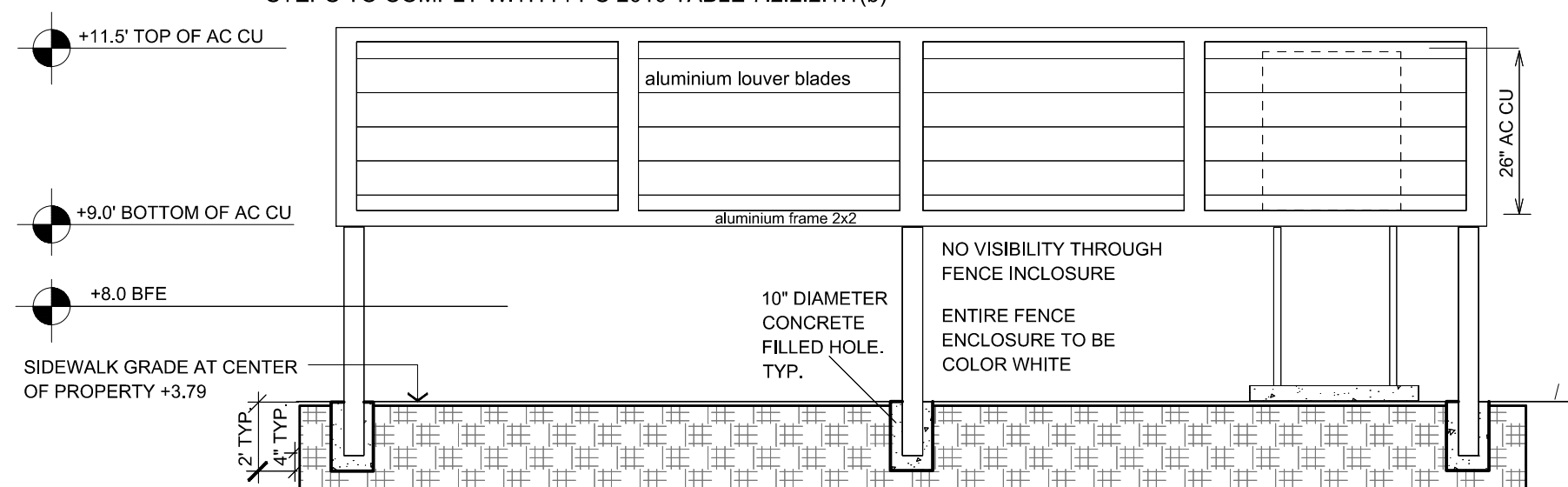


ADA RAMP SECTION  
 SCALE:NTS

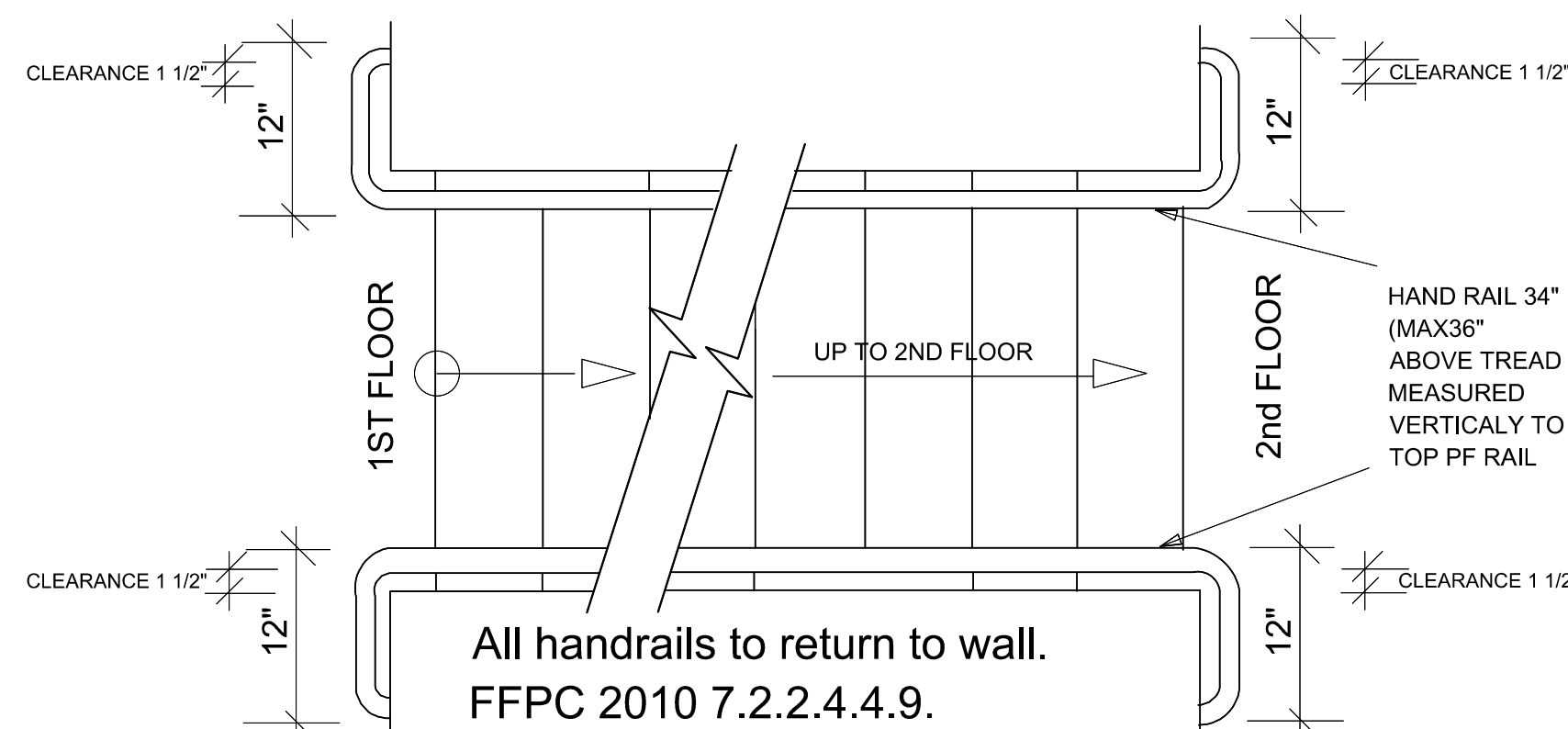


ADA RAMP & STAIR EAST ELEVATION  
 SCALE:NTS

TYPICAL HAND RAIL SECTION  
 SCALE:NTS  
 SEE FLORIDA FIRE PREVENTION CODE 2010 EDITION STEPS TO COMPLY WITH FFPC 2010 TABLE 7.2.2.1.1(b)



TYPICAL AC SCREEN  
 SCALE:NTS



TYPICAL HAND RAIL DETAIL 2ND FLOOR DOWN TO 1ST  
 SCALE:NTS

Walking surfaces shall be slip resistant under foreseeable conditions. The walking surface of each element in the means of egress shall be uniformly slip resistant along the natural path of travel

Handrail for all steps on plans shall comply with the FFPC 2010 Chapter 7

Existing steps are conforming per the FFPC 2010 table 7.2.2.2.1.1.1(b). All steps shall have nosing striped.

Note: All exterior handrails shall have a flat profile. No exterior balusters or rail. All are located in the interior of the building.

NOTE: No goose neck condition and handrail transitions. Handrail must transition from one direction to another smoothly and continuously without abrupt changes in elevation, to maintain proper graspability.

SEE FLORIDA FIRE PREVENTION CODE 2010 EDITION

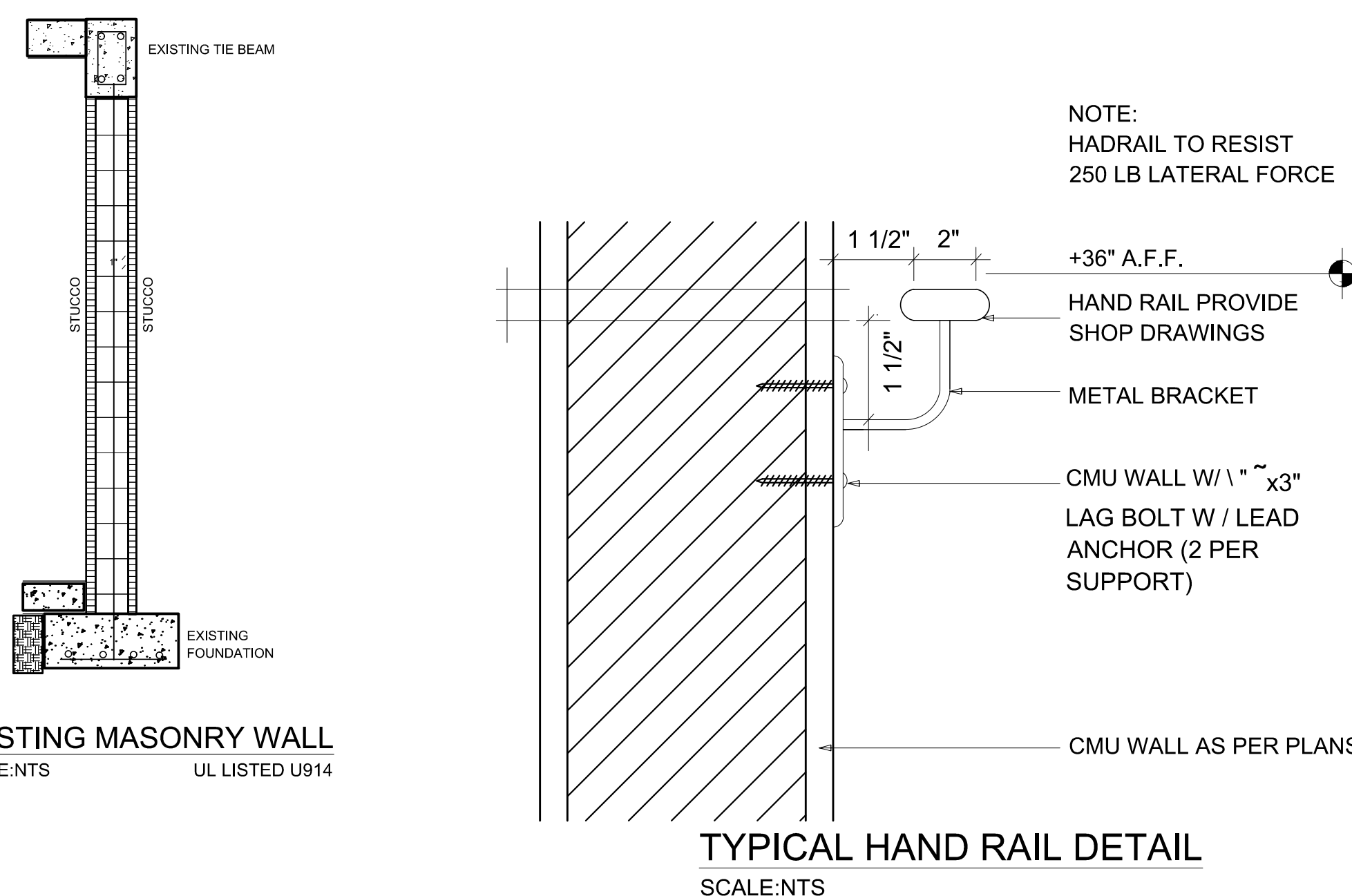
Any recessed high hat lighting penetrations into 1 hour fire rated ceiling will require a 1 hour fire rated cover UL CDHW.R25019. See sheet a-7.6.

No HVAC duct penetrations in to 1 hour fire rated ceiling without an approved fire damper.

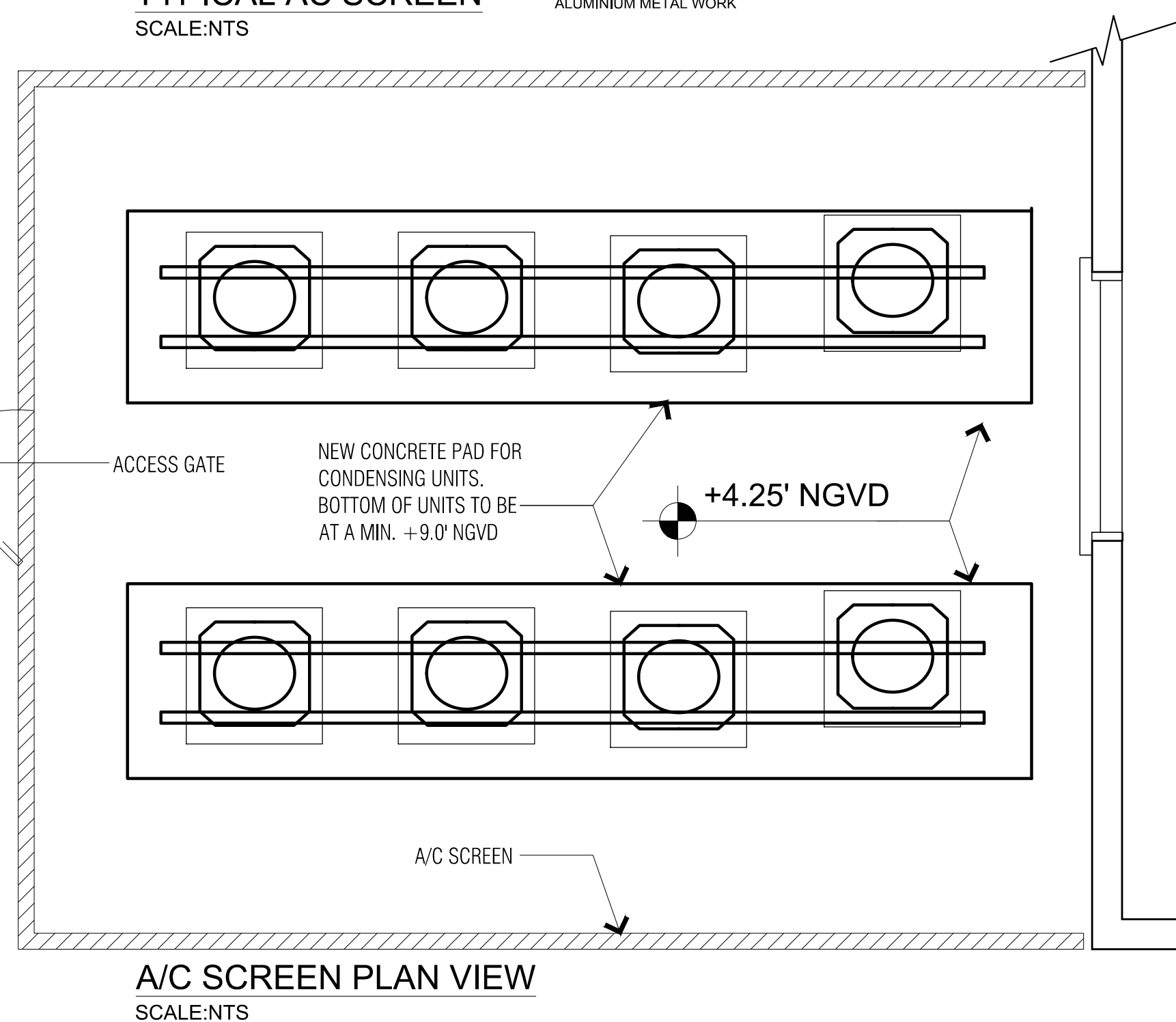
There shall be no plumbing pipe, electrical pipe, a/c ductwork inside the stair enclosures as per FFPC 2010 edition 7.1.3.2.1(9).

Interior finish to comply with FFPC 2010 edition 10.2.2.

- NOTES:
1. CLASS A FIRE EXTINGUISHERS ARE LOCATED SO THAT THE TRAVEL DISTANCE FROM ANY POINT IN THE FACILITY IS 75 FEET OR LESS.
  2. EGRESS DOORS AND GATE PROVIDE LOCKS THAT DO NOT REQUIRE THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT FOR THE OPERATION FROM THE EGRESS SIDE.
  3. ALL SMOKE DETECTORS SHALL BE LOCATED 36" MIN. FROM ANY SUPPLY.
  4. ALL PENETRATIONS HORIZONTAL & VERTICAL TO BE FIRE CAULK.



TYPICAL HAND RAIL DETAIL  
 SCALE:NTS



A/C SCREEN PLAN VIEW  
 SCALE:NTS

PROJECT:

# 1330 Building

1330 15th Street, Miami Beach, FL 33139

PROJECT OWNER:

NOTUS, LLC  
 435 21st Street, Miami Beach, FL 33139

ARCHITECT OF RECORD:



RD Architects  
 1800 SW 1st Avenue, Suite 607, Miami, Florida 33129  
 P: 786.762.2679 F: 305.831.8079 C: 305.282.0005  
 Email: rda@rda-archint.com  
 www.rda@rda-archint.com / AA26002510

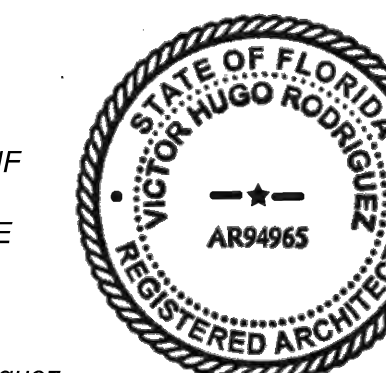
CONSULTANT ENGINEER:

KEY PLAN



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Victor H. Rodriguez,  
 Registered Architect  
 State of Florida # AR0094965  
 305.282.0005 vh.rodriguez@rda-archint.com

## PERMIT SET

Issue, Issue Date / For

(1)	09.12.2016	Change of Architect
(2)	02.19.2018	City Comments
(3)	04.20.2018	Reviewer Comments

DDCI Project #: 1628.00

Drawn by: VHR

Approved by: VHR

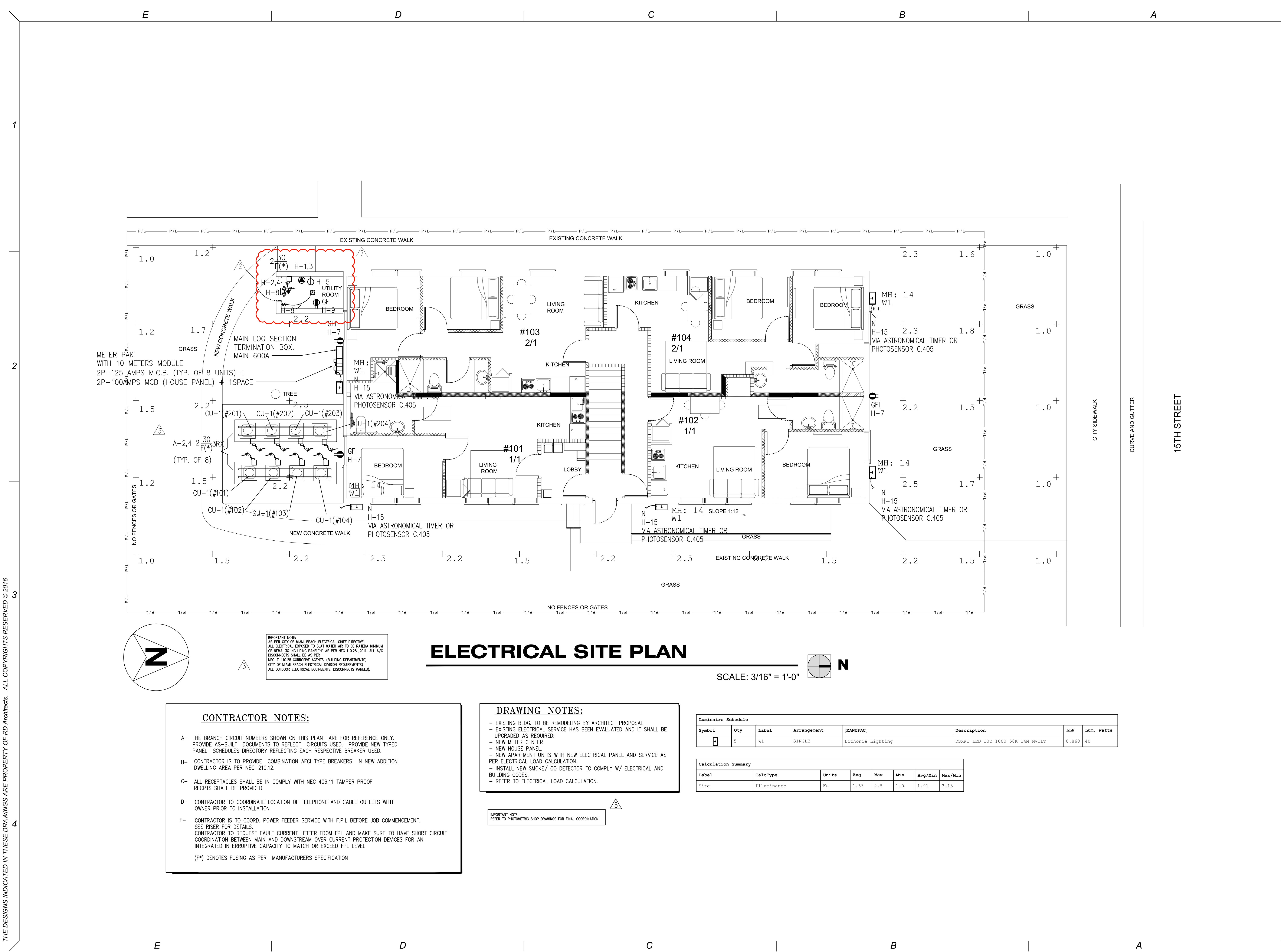
SHEET INDEX

- 4 - Stair and Ramp Details
- A/C Screen Details

SCALE:

SHEET NO.

# A-8



PROJECT: **1330 Building**  
 1330 15th Street, Miami Beach, FL 33139  
 PROJECT OWNER: NOTUS, LLC  
 435 21st Street, Miami Beach, FL 33139  
 ARCHITECT OF RECORD: **RD Architects**  
 1800 SW 1st Avenue, Suite 607, Miami, Florida 33129  
 P: 786.762.2679 F: 305.831.8071 C: 305.282.0005  
 Email: rda@rda-archint.com / AA26002510  
 www.rda@rda-archint.com / AA26002510

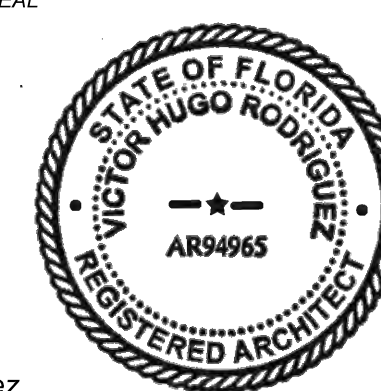
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Victor H. Rodriguez,  
 Registered Architect  
 State of Florida # AR0094965  
 305.282.0005 vh.rodriguez@rda-archint.com



**PERMIT SET**

Issue	Issue Date / For
△	05.05.2017 / Reviewer Comments
△	08.07.2017 / Reviewer Comments
△	04.20.2018 / Reviewer Comments

DDCI Project #: 1628.00  
 Drawn by: VHR  
 Approved by: VHR  
 SHEET INDEX  
**4 - Electrical Site Plan**

SCALE:  
 SHEET NO.

**E-1**

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**CONTRACTOR NOTES:**

- A- THE BRANCH CIRCUIT NUMBERS SHOWN ON THIS PLAN ARE FOR REFERENCE ONLY. PROVIDE AS-BUILT DOCUMENTS TO REFLECT CIRCUITS USED. PROVIDE NEW TYPED PANEL SCHEDULES DIRECTORY REFLECTING EACH RESPECTIVE BREAKER USED.
- B- CONTRACTOR IS TO PROVIDE COMBINATION AFCI TYPE BREAKERS IN NEW ADDITION DWELLING AREA PER NEC-210.12.
- C- ALL RECEPTACLES SHALL BE IN COMPLY WITH NEC 406.11 TAMPER PROOF RECPITS SHALL BE PROVIDED.
- D- CONTRACTOR TO COORDINATE LOCATION OF TELEPHONE AND CABLE OUTLETS WITH OWNER PRIOR TO INSTALLATION
- E- CONTRACTOR IS TO COORD. POWER FEEDER SERVICE WITH F.P.L BEFORE JOB COMMENCEMENT. SEE RISER FOR DETAILS.  
 CONTRACTOR TO REQUEST FAULT CURRENT LETTER FROM FPL AND MAKE SURE TO HAVE SHORT CIRCUIT COORDINATION BETWEEN MAIN AND DOWNSTREAM OVER CURRENT PROTECTION DEVICES FOR AN INTEGRATED INTERRUPTIVE CAPACITY TO MATCH OR EXCEED FPL LEVEL.  
 (F\*) DENOTES FUSING AS PER MANUFACTURERS SPECIFICATION

**DRAWING NOTES:**

- EXISTING BLDG. TO BE REMODELING BY ARCHITECT PROPOSAL
- EXISTING ELECTRICAL SERVICE HAS BEEN EVALUATED AND IT SHALL BE UPGRADED AS REQUIRED:
- NEW METER CENTER
- NEW HOUSE PANEL
- NEW APARTMENT UNITS WITH NEW ELECTRICAL PANEL AND SERVICE AS PER ELECTRICAL LOAD CALCULATION.
- INSTALL NEW SMOKE/ CO DETECTOR TO COMPLY W/ ELECTRICAL AND BUILDING CODES.
- REFER TO ELECTRICAL LOAD CALCULATION.

IMPORTANT NOTE:  
 REFER TO PHOTOMETRIC SHOP DRAWINGS FOR FINAL COORDINATION

**ELECTRICAL SITE PLAN**

SCALE: 3/16" = 1'-0"

Luminaire Schedule

Symbol	Qty	Label	Arrangement	[MANUFAC]	Description	LLF	Lum. Watts
□	5	W1	SINGLE	Lithonia Lighting	DSXW1 LED 10C 1000 50K 74W MVOLT	0.860	40

Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Site	Illuminance	Fc	1.53	2.5	1.0	1.91	3.13

IMPORTANT NOTE:  
 AS PER CITY OF MIAMI BEACH ELECTRICAL CHIEF DIRECTIVE:  
 ALL ELECTRICAL EXPOSED TO SLAT WATER AIR TO BE RATED MINIMUM OF NEMA-3R INCLUDING PANELS. AS PER NEC 110.28 (2011). ALL A/C DISCONNECTS SHALL BE AS PER NEC-1-110.28 CORROSIVE AGENTS. (BUILDING DEPARTMENTS) CITY OF MIAMI BEACH ELECTRICAL DIVISION REQUIREMENTS) ALL OUTDOOR ELECTRICAL EQUIPMENTS, DISCONNECTS PANELS).