

DESIGN DATA

INTERNATIONAL BUILDING CODE 18
USE GROUP: B- Business- existing
S1- Storage- new
non separated uses
CONSTRUCTION TYPE: 5B
AREA: 3000 s.f. existing
1033.3 s.f. new
4033.3 s.f. total
VOLUME: 16533 cu. ft.
Occupancy: 1033.3/100= 10 (service bay)
Exits: (2)36" doors= 68"/.2= 340 allow.
25' travel distance

APPLICABLE CONSTRUCTION CODES:
NATIONAL STANDARD ELECTRIC CODE 17
NATIONAL STANDARD PLUMBING CODE 18
INTERNATIONAL ENERGY CONSERVATION CODE 18

-new frame partition
-exist. wall

SANSONE
MITSUBISHI
NEW SERVICE DRIVE
3401 NJ-66
Neptune City, N.J.

LICENSE NO: N.J. 13949

John E. Giammarino
Architect

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CD	01.20.22	REVIEW
DD	01.02.22	DRAFT
MARK	DATE	DESCRIPTION

PROJECT NO: 21-3401
DRAWN BY: JEG
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John E. Giammarino Architect LLC

SHEET TITLE

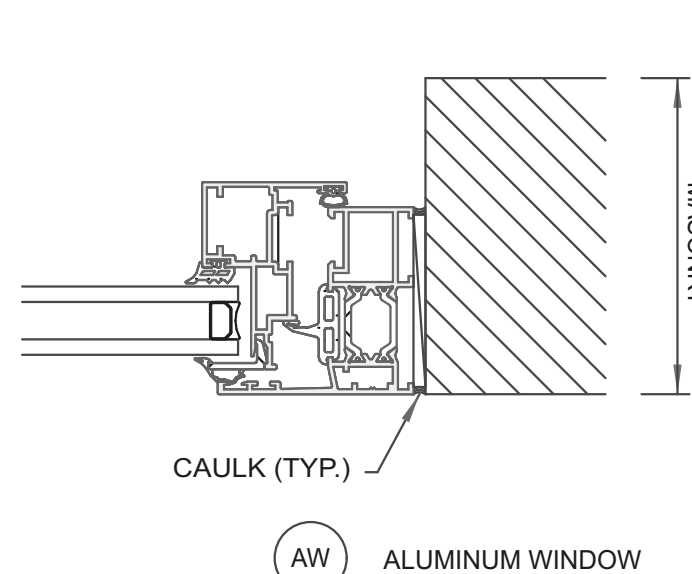
Floor Plan & Details

A-001

SHEET 1

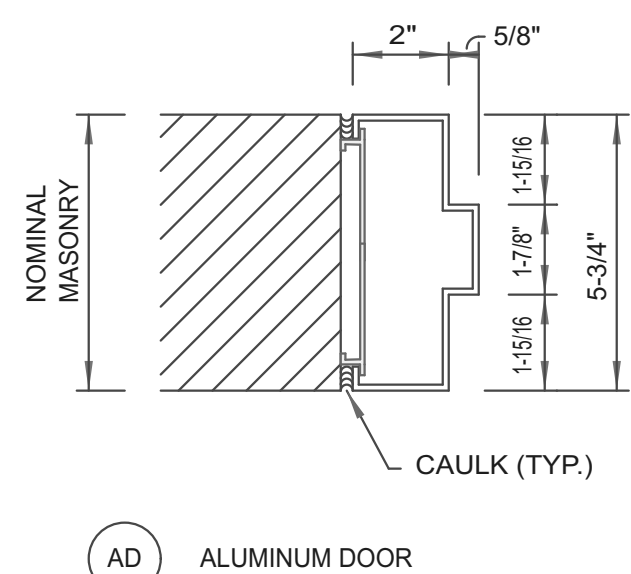
1 Floor Plan

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

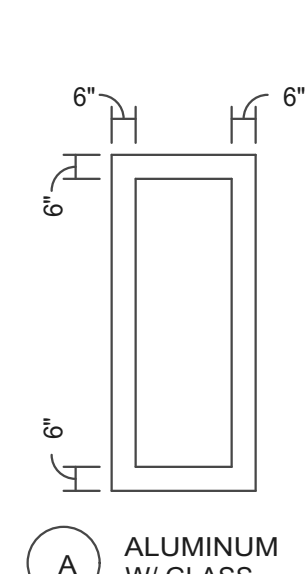


FRAME TYPES

SCALE: 3" = 1'-0"



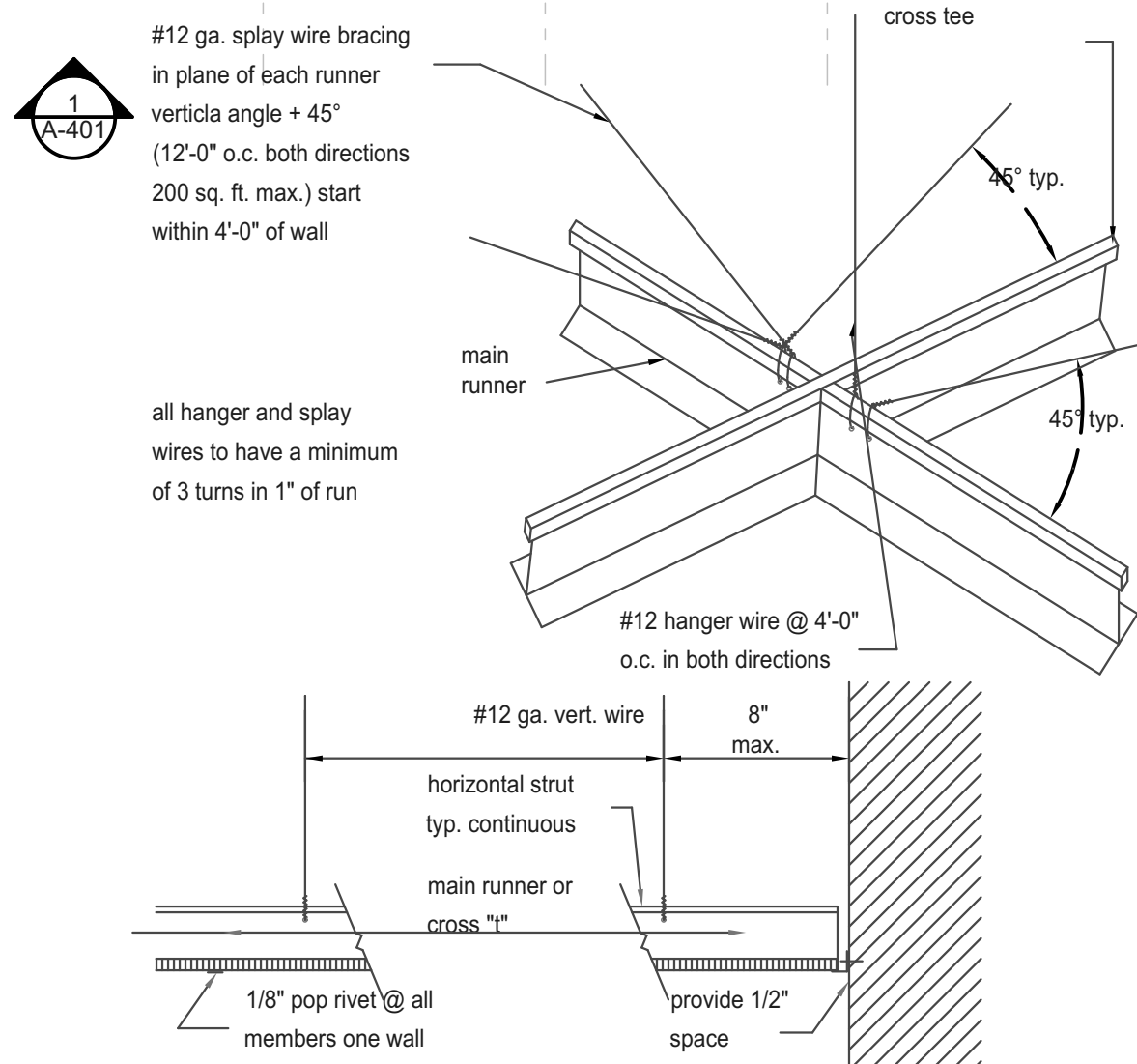
ALUMINUM DOOR



ALUMINUM W/ GLASS

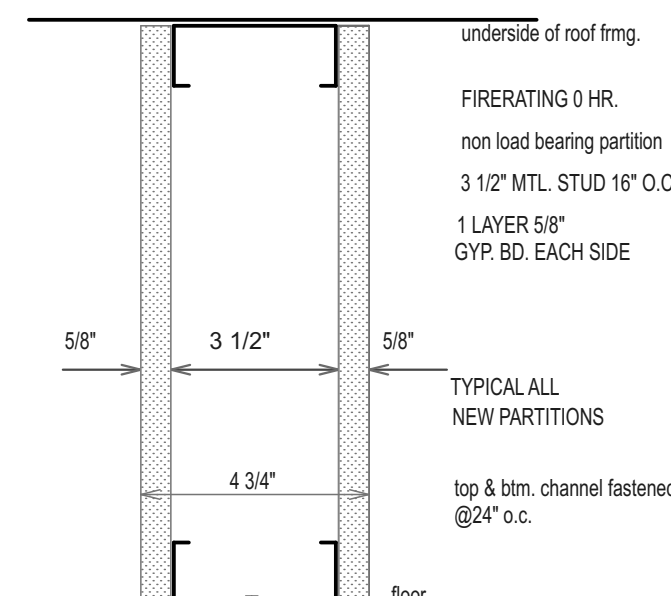
DOOR TYPE

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



4 Ceiling brace (1)

SCALE: 1 1/2" = 1'-0"



3 Wall Detail

SCALE: 3" = 1'-0"

/Users/john giammarino/Desktop/Projects/3401 Sansone pin



FEATURES & SPECIFICATIONS

INTENDED USE — Suitable for applications requiring both exit sign and unit equipment. Attractive, 8" tall, streamlined design is great for above-the-door applications and other tight fits. Optional high-output version with remote lamps are ideal for emergency egress lighting. **Certain airborne contaminants can diminish integrity of acrylic and/or polycarbonate. Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.**

CONSTRUCTION — Engineering-grade thermoplastic housing is impact-resistant, scratch-resistant and corrosion-proof. UL94V-0 flame rating. IP-65 cable entry resists disconnection from natural and man-made light sources.

Hugged, unibody housing snaps together with no additional fasteners. Facelplate and back cover are interchangeable on housing. Positive snap-fit tabs hold facelplate securely, yet are easily removable for lamp compartment access. Universal, directional chevron inserts are easily removed and reinserted. Uniform graphics illumination without shadows or hot spots. Letters are 6" high with 3/4" stroke, with 100 ft. viewing distance rating based upon US34 standard.

LEDs mounted on primary circuit boards for sign illumination. Low-energy LED lamp in sign operates in normal (AC input) and emergency (DC input) modes. Low-profile, integrated test switch/light indicator. Easily viewed bright red status indicator. Unique track-and-swivel arrangement permits full range of direction lamp head adjustment. Universal 1-bay mounting pattern. Tool-less access for maintenance. Conduit entry position on top of unit.

U.S. Patent No. 6,848,798; 6,499,866; 6,142,648; 5,797,673; D379,373; 5,526,251; D484,272; D473,672; 5,611,163; 5,646,502.

OPTICS — Twin LED lamp heads operate in emergency (DC input) mode with 12 series-parallel white LEDs in each head. Provides redundant light sources to ensure emergency lighting performance. The typical life of the exit LED lamp is 10 years.

ELECTRICAL — Dual-voltage input capability (120/277V). Edge connector on printed circuit board ensures long-term durability. Current-limiting charger maximizes battery life and minimizes energy consumption. Provides low operating costs.

Short-circuit protection — current-limiting charger circuitry protects printed circuit board from shorts. Thermal compensation adjusts charge output to provide optimum charge voltage relative to ambient temperature.

Regulated charge voltage maintains constant-charge voltage over a wide range of line voltages. Prevents over/undercharging that shortens battery life and reduces capacity. Flooded charger input minimizes charge voltage ripple and extends battery life.

AC/UV reset allows battery connection before AC power is applied and prevents battery damage from deep discharge.

Single multi-color LED indicator to display two-state charging, test activation and three-state diagnostic test. Test switch provides manual activation of 30-second diagnostic testing for on-demand visual inspection. Self-diagnostic testing for 30 seconds every 30 days, 30 minutes at 180-day interval, and 90 minutes annually.

Diagnostic evaluation of LED light source. AC-to-DC transfer, charging and battery condition.

Battery - Sealed, maintenance-free nickel-cadmium battery delivers 90-minute capacity to emergency lamps. Two-state constant-current charge maximizes battery life and automatically recharges after battery discharge. Low-voltage disconnect prevents excessively deep discharge that can permanently damage the battery. Optional high-output battery to power both local and optional LED remote lamp heads simultaneously.

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: LHQM LED G

Family	LED	Lamp type	Housing color	Letter color	Options		
LHQM	Stencil face, Single face plate with extra face plate	LED Two 1.5W/9.6V white LED	(blank) White B	Black R	HO High-output Ni-cad battery HO RO High-output option, less lamp heads SD Self-diagnostics	NOM	Meets Mexican standards ¹
						NOM SALDA	Salida signage (non-UL)

Accessories: Order as separate catalog number.			
ELA Q10309 SD	Single LED indoor remote head, white, self-diagnostics ^{1,4,5}	ELA WG3	Winguard, 30"W x 13-1/2"H x 6"D
ELA T Q10309 SD	Twin LED indoor remote head, white, self-diagnostics ^{1,4,5}	ELA WGM2	Winguard, 21-1/4"W x 15"H x 12"D
ELA QWP10309 SD	Single LED weather-proof remote head, gray, self-diagnostics ^{1,4,5}	ELA LQMUS12	12" white stem kit ⁶
ELA T QWP10309 SD	Twin LED weather-proof remote head, gray, self-diagnostics ^{1,4,5}	ELA LED M12	Single LED remote lamp ^{7,9}
ELA Q10309	Single LED indoor remote head, white ^{4,5}	ELA LED TM12	Twin LED remote lamp ^{7,9}
ELA T Q10309	Twin LED indoor remote head, white ^{4,5}	ELA LED WP M12	Single LED Weather proof remote lamp ^{7,9}
ELA QWP10309	Single LED weather-proof remote head, gray ^{4,5}	ELA LED WP M12	Twin LED Weather proof remote lamp ^{7,9}
ELA TWP10309	Twin LED weather-proof remote head, gray ^{4,5}		

Notes
1 Available in black or white. Consult factory for options.
2 Only available in white. NOM standard.
3 Only compatible with self-diagnostic system. (see HO SD)
4 Also available in black. Add "B" after ELA to order black finish. Example: ELA B Q10309.
5 Only compatible with HO option. See spec sheet ELA Q10309.
6 See spec sheet ELA LQUS12.
7 See spec sheet ELA LED (Contractor Select LED Remotes).
8 Not available with SD.

Catalog Number
Notes
Type



INSTALLATION — Top, end or back mounting. Housing snaps to canopy with positive-locking tabs. Cam locking pin secures housing to canopy. Easily removed mounting brackets. Conduit entry knockout for 1/2" flexible conduit. 1-bay pattern on back panel.

LISTINGS — UL damp location listed standard 50°-104°F (10°-40°C). Meets UL 924, NFPA 101 (Current Life Safety Code), NEC and OSHA illumination standards.

WARRANTY — 5-year limited warranty. Battery is protected. Complete warranty terms located at www.lithonialighting.com/CustomResources/terms_and_conditions.asp.

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.



FEATURES & SPECIFICATIONS

INTENDED USE — Provides a minimum of 90 minutes illumination for the rated wattage upon loss of AC power to meet and exceed code required emergency lighting. Ideal for applications requiring attractive LED unit equipment with quick installation and unequalled performance for mounting heights from 2.5' to 30'. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate. Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.**

CONSTRUCTION — The housing is a standard white/black optional thermoplastic with a compact and low-profile contemporary design. It is 5VA flame rated, impact-resistant, scratch-resistant and corrosion proof. The UV-stable resin resists discoloration from natural and man-made light sources. There is a low-profile, integrated and back-to-test switch/light indicator. The back plate contains a universal J-box mounting pattern to facilitate ease of installation on a wide variety of J-boxes and the front housing allows tool-less access for ease of maintenance. **US Patents Pending.** The lamp heads have a unique track-and-swivel arrangement permitting full range of direction of optical aiming.

OPTICS — The ELM6L features two high-performance LEDs rated at 3.3 watts per lamp head and delivers a total of 640 lumens in a spot pattern (SP64L).

The ELM6L features three high-performance LEDs rated at 5.3 watts per lamp head and delivers a total of 1100 lumens in a spot pattern (SP1100L).

The typical life of an LED is 10 years. The LED light sources typically never need to be replaced under normal conditions for normal off applications.

CCC-3000K

ELECTRICAL — Operable in multiple voltages (See ordering tree for specific voltages.) Current-limiting charger maximizes battery life and minimizes energy consumption to meet California Energy Commission Title 20 requirements for small battery charger systems and provides low operating costs. Short-circuit protection — current-limiting charger circuitry protects printed circuit board from shorts. Regulated charge voltage maintains a stable charge voltage over a wide range of line voltages.

Prevents over/undercharging that shortens battery life and reduces capacity. Flooded charger input minimizes charge voltage ripple and extends battery life.

BATTERY: Sealed, maintenance-free nickel-cadmium (ELM6L only) or Lithium Iron Phosphate battery. Optional High-Output (HO option) and Extra High-Output (EHO option). LIP battery type only, provides a wide variety of remote capacities and/or extended run-times.

SELF-DIAGNOSTICS AND REMOTE TEST (SDRT) CAPABILITY: Automatic 30-hour recharge after a 90-minute discharge.

Advanced electrical design provides constant light output throughout the entire discharge period. Brownout protection is automatically switched to emergency mode when supply voltage drops below approximately 80 percent nominal of 120, 220, 277 or 347. Other input voltages may vary.

AC/UV reset allows battery connection before AC power is applied and prevents battery damage from deep discharge.

Self-Diagnostics: Continuously monitors AC functionality, Test switch and remote tester (ELA LRT accessory) provides manual activation of 30-second diagnostic testing for on-demand visual inspection. Standard disengagement monitoring will indicate disconnected battery, charger failure and displays green flashing indicator light while in emergency mode. Single multi-colored LED indicator to display two-state charging, test activation and three-state self-diagnostics.

Self-diagnostic testing: Five minutes every 30 days and 90 minutes annually. Diagnostic evaluation of lamp, AC-to-DC transfer, battery charging and condition of microprocessor. Automatic test is easily postponed for eight hours by activating manual test switch or use of remote tester (ELA LRT accessory).

INSTALLATION — Wall and ceiling mount standard. Blind-mate connector ensures easy installation and safe maintenance. 7/8" entrance provision at top of unit for standard 1/2" conduit entry. Tool-less removal of front cover from back plate for ease of installation and maintenance.

LISTINGS — UL damp location listed standard and wet location listed when used with the WPVS accessory, all at 50°-104°F (10°-40°C). Meets or exceeds all applicable requirements for UL 924, NFPA 101 (Current Life Safety Code), NFPA 70 (NEC), NOM (International Mechanical), California Energy Commission Title 20 section 1605.3 (WIA), FCC and OSHA. List and labeled to comply with Canadian Standards C22.2 No. 141-10.

WARRANTY — 5-year limited warranty. Complete warranty terms located at www.lithonialighting.com/CustomResources/terms_and_conditions.asp.

NOTE: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

Catalog Number
Notes
Type



ELM6L
640 Lumens

ELM6L
1100 Lumens

LITHIUM IRON PHOSPHATE NICKEL CADMIUM

MOUNTING
All dimensions are inches (centimeters) unless otherwise indicated.

Length: 13.3/8 (33.95)
Depth: 1.45/16 (9.39)
Height: 5.15/16 (15.06)
Weight: ELM6L 3 lb (1.4kg)
Weight: ELM6L 3 lb (1.4kg)
Weight: ELM6L HO 3.5 lbs (1.59 kg)
Weight: ELM6L EHO 3.75 lbs (1.7 kg)

Specifications

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ELM6L
640 Lumens

ELM6L
1100 Lumens

LITHIUM IRON PHOSPHATE NICKEL CADMIUM

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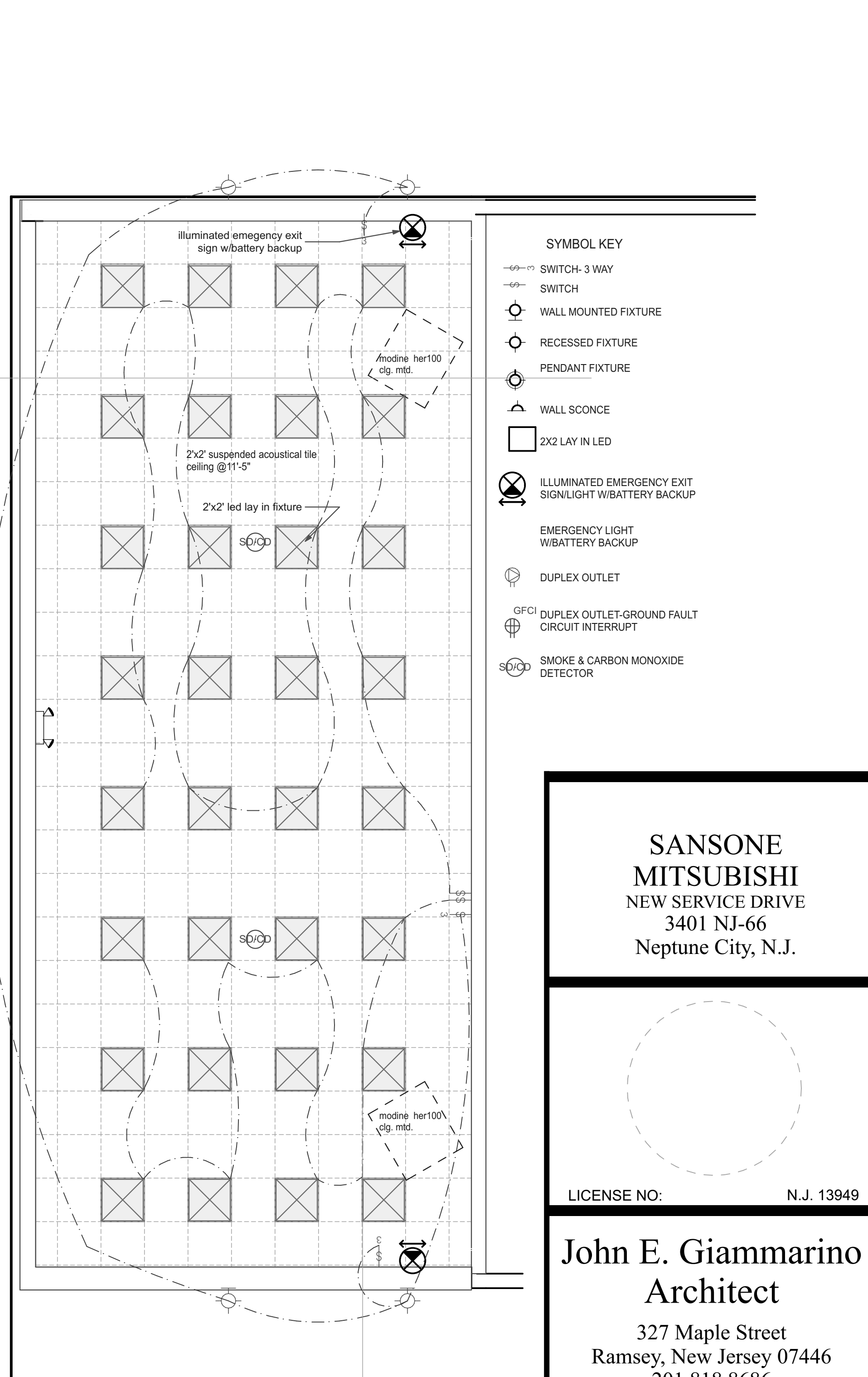
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Specifications



1 Reflected Ceiling Plan (7)
SCALE: 1/4" = 1'-0"

CD	01.20.22	REVIEW
DD	01.02.22	DRAFT
MARK	DATE	DESCRIPTION

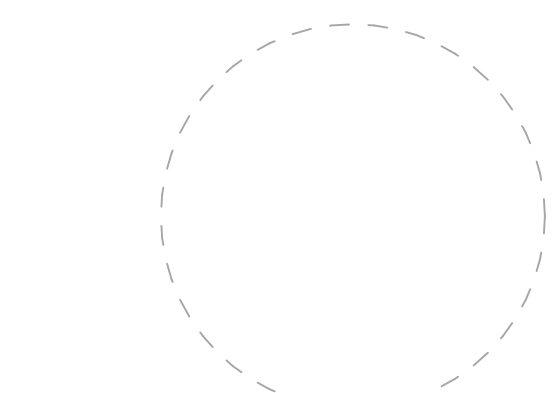
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DRAWN BY:	JEG
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SHEET TITLE	

Ceiling Plan & Details

A-002

SHEET 2

SANSONE
MITSUBISHI
NEW SERVICE DRIVE
3401 NJ-66
Neptune City, N.J.

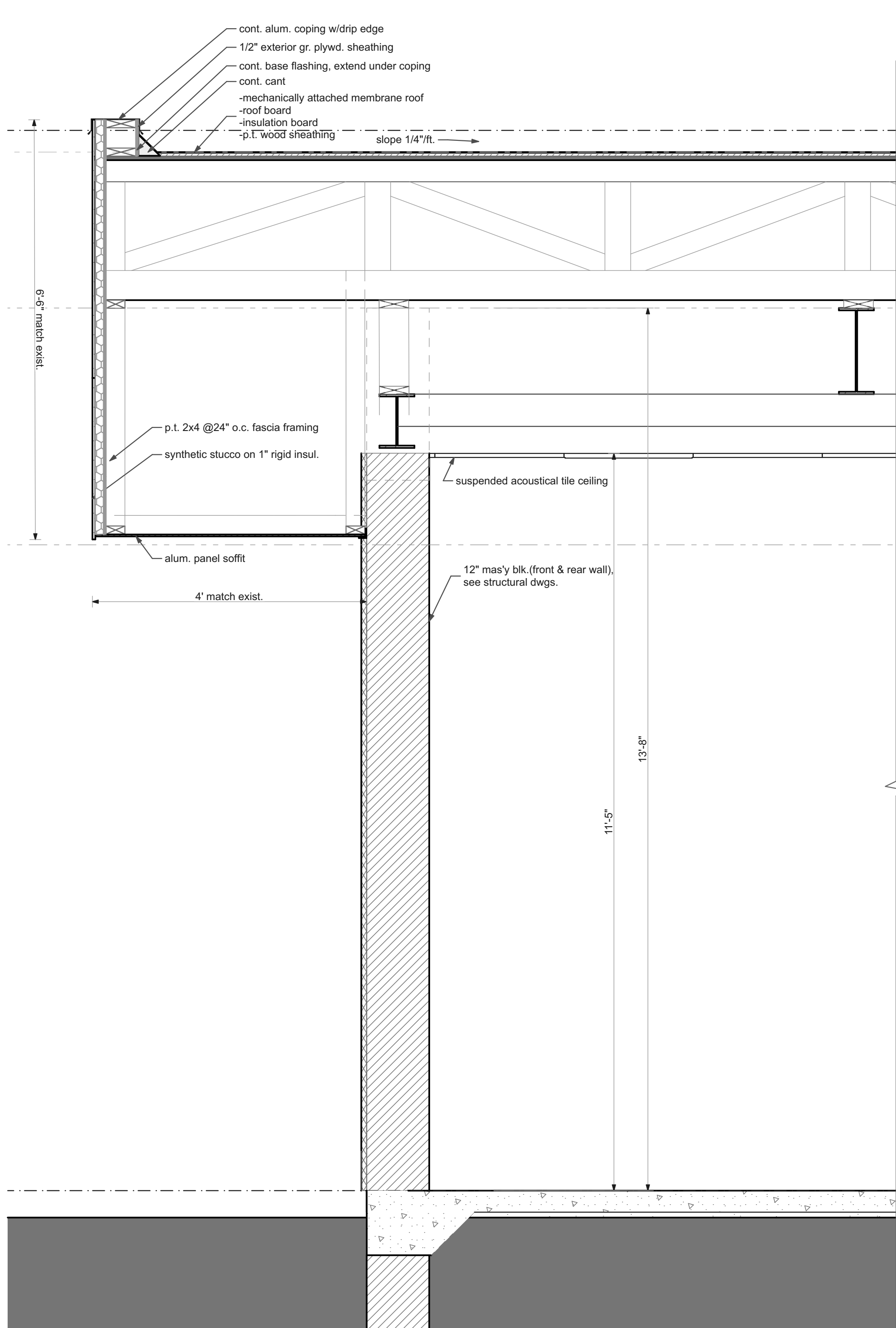


LICENSE NO: N.J. 13949

John E. Giammarino
Architect

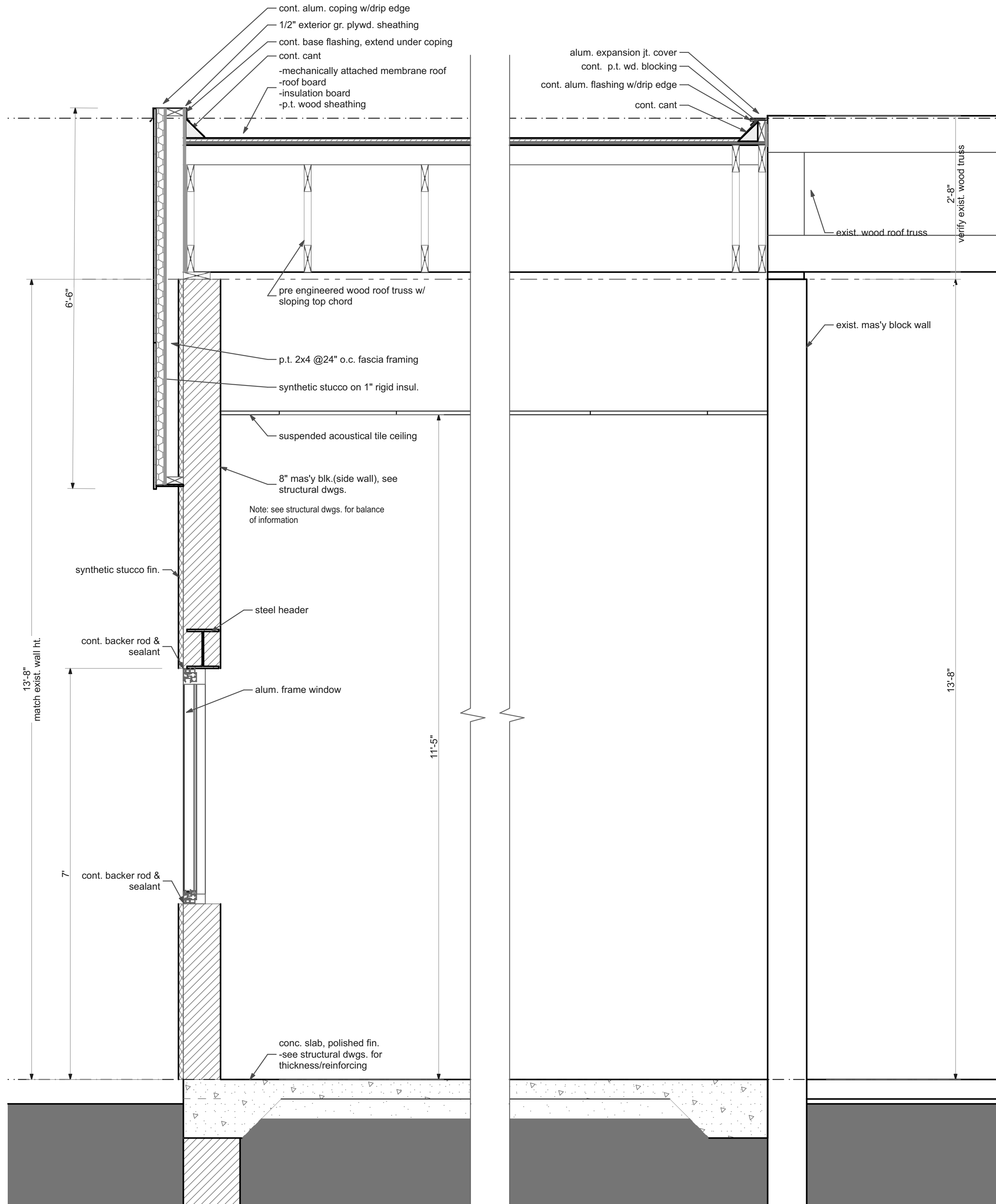
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Ramsey, New Jersey 07446
201 818 8686
cell 201 723 0072
jegarch@gmail.com

/Users/john giammarino/Desktop/Projects/3401 Sansone/3401 Sansone.pln



3 Wall Section @Front Wall

SCALE: 3/4" = 1'-0"



1 Wall Section @ Side Wall

SCALE: 3/4" = 1'-0"

**SANSONE
MITSUBISHI**
NEW SERVICE DRIVE
3401 NJ-66
Neptune City, N.J.

LICENSE NO: N.J. 13949

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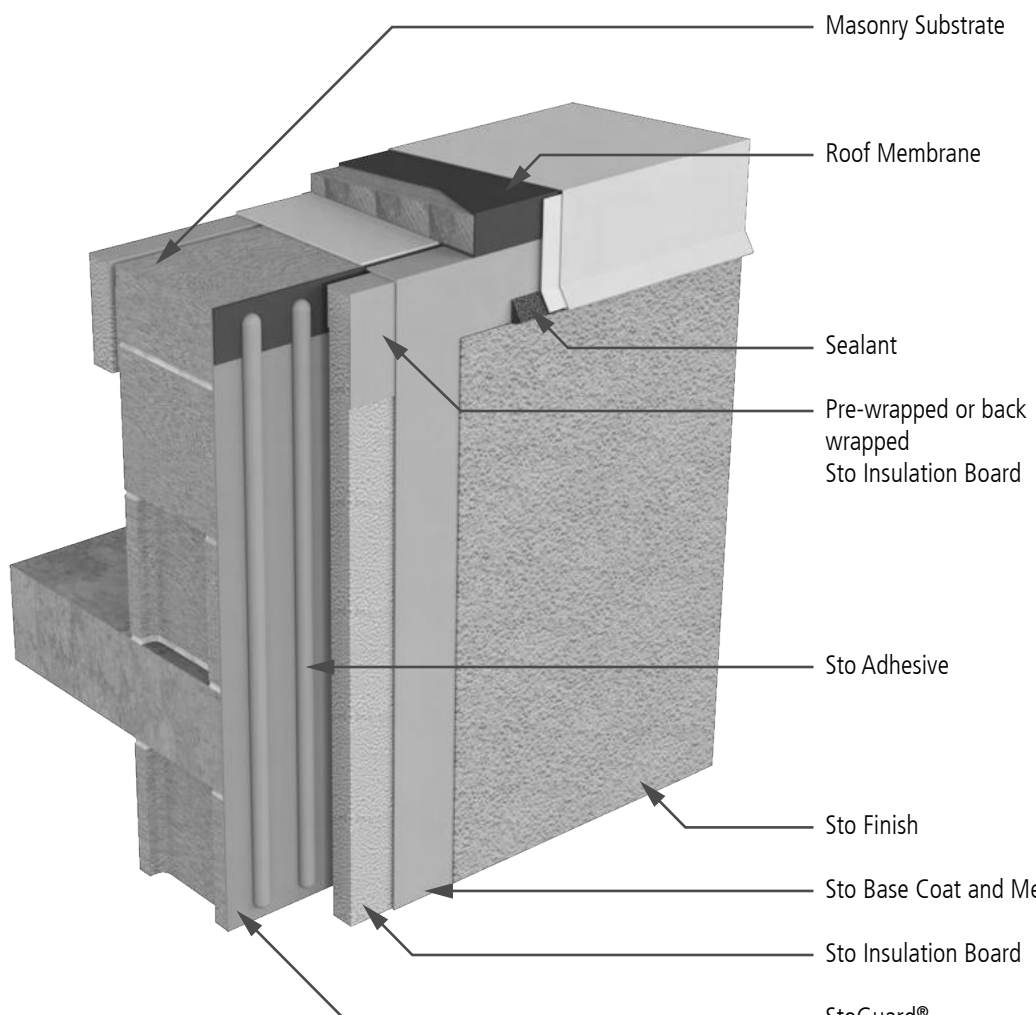
SHEET TITLE

Wall Sections

A-003

SHEET 3

/Users/john giammarino/Desktop/Projects/3401 Sansone/3401 Sansone.pjn



Masonry Substrate

Roof Membrane

Sealant

Pre-wrapped or back wrapped Sto Insulation Board

Sto Adhesive

Sto Finish

Sto Base Coat and Mesh

Sto Insulation Board

StoGuard® Waterproof Air Barrier (2 coats minimum)

Notes:

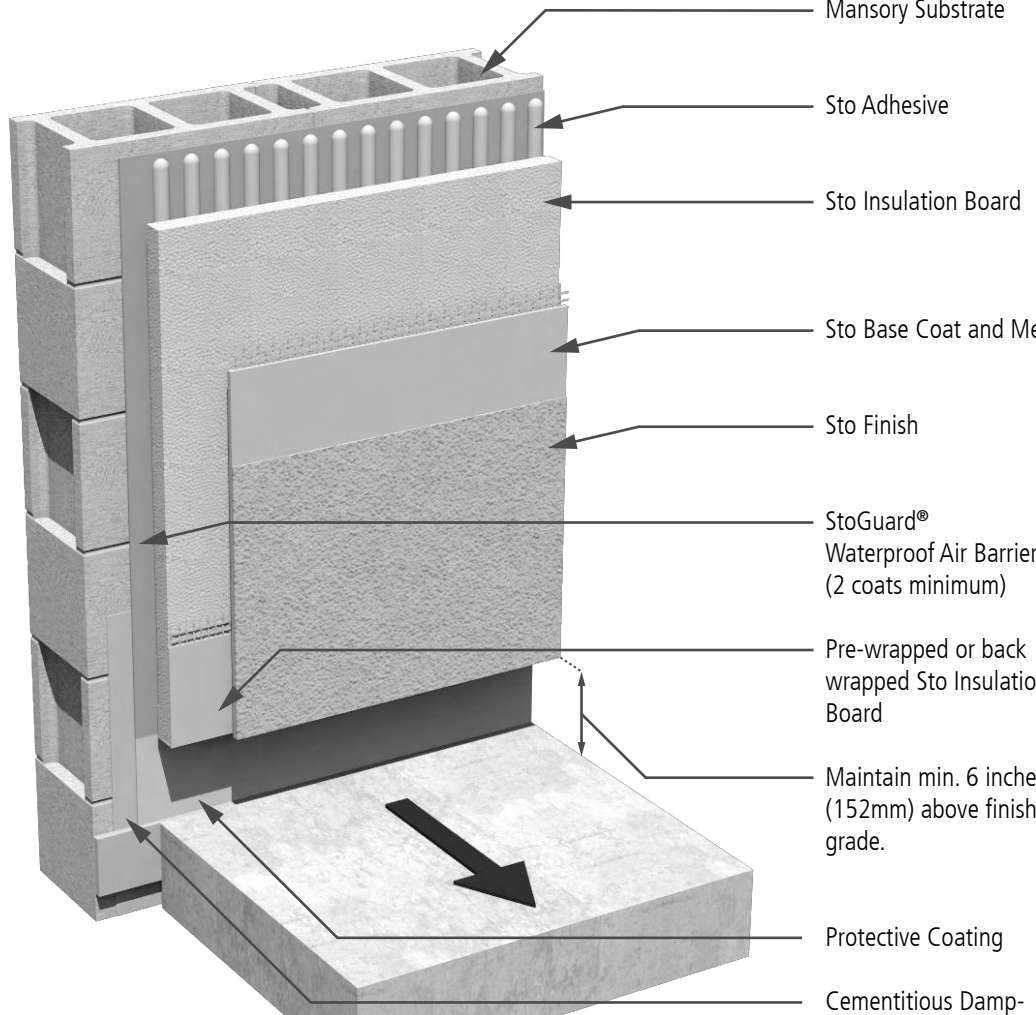
1) Provide continuity of roof membrane along back of parapet with base coat for air barrier continuity and verify compatibility of roof membrane if in contact with base coat.

2) Completely insulate back side of parapet if necessary to prevent condensation within parapet based on climate conditions.

3) Provide minimum 2.5 inch (65mm) overlap of parapet coping over face of StoTherm® ci. Increase overlap with building height.

IMPORTANT: Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

Property of Sto Corp. All Rights Reserved.



Masonry Substrate

Sto Adhesive

Sto Insulation Board

Sto Base Coat and Mesh

Sto Finish

StoGuard® Waterproof Air Barrier (2 coats minimum)

Pre-wrapped or back wrapped Sto Insulation Board

Maintain min. 6 inches (152mm) above finished grade.

Protective Coating

Cementitious Dampproofing or Waterproofing as needed

Notes:

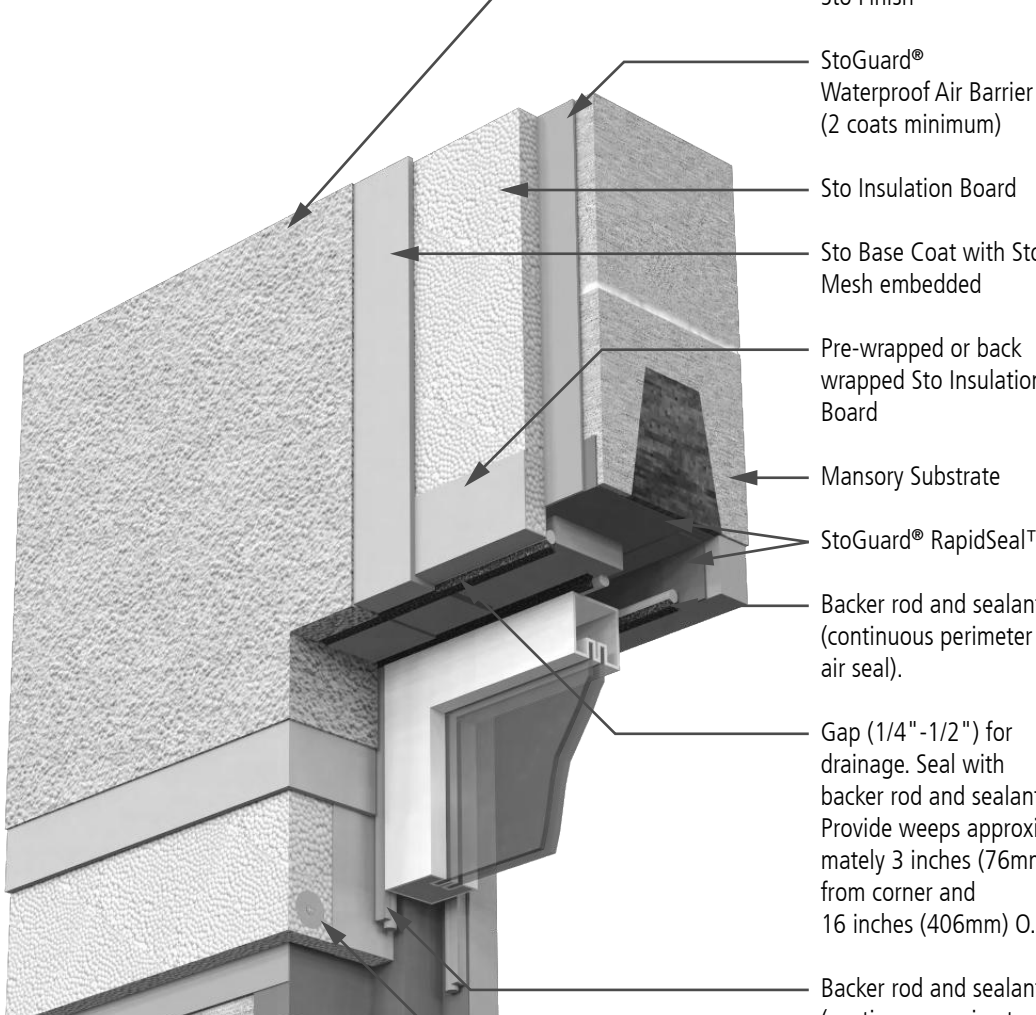
1) Provide minimum 6 inches (152 mm) clearance between StoTherm® ci termination and finished grade. Increase distance above grade for snow regions.

2) Provide cementitious dampproofing or waterproofing as needed below grade and on exposed masonry above grade. Counter flash StoTherm® ci over dampproofing/waterproofing. Where StoTherm® ci is installed over non-cementitious dampproofing/waterproofing verify compatibility of StoTherm® ci components.

3) Provide adequate slope of finished grade away from structure for drainage.

IMPORTANT: Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

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Sto Finish

StoGuard® Waterproof Air Barrier (2 coats minimum)

Sto Insulation Board

Sto Base Coat with Sto Mesh embedded

Pre-wrapped or back wrapped Sto Insulation Board

Masonry Substrate

StoGuard® RapidSeal™

Backer rod and sealant (continuous perimeter air seal).

Gap (1/4"-1/2") for drainage. Seal with backer rod and sealant. Provide weeps approximately 3 inches (76mm) from corner and 16 inches (406mm) O.C.

Backer rod and sealant (continuous perimeter weather seal).

Mechanical fastener (required only at return where StoTherm® ci is installed over StoGuard® RapidSeal™).

Notes:

1) Provide continuous exterior perimeter weather seal.

2) Provide continuous interior perimeter air seal.

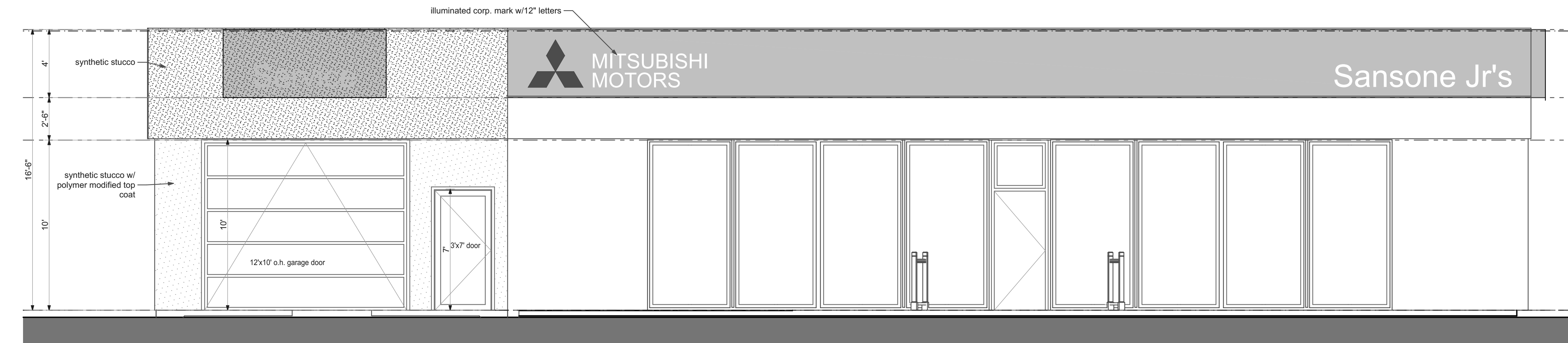
3) Consult with window and sealant manufacturer to verify installation detailing.

4) Refer to Sto detail 19.24a1 for rough opening protection and Sto detail 19.24a2 for window installation.

5) Test the final assembly using materials and sub-trades associated with the project to verify performance.

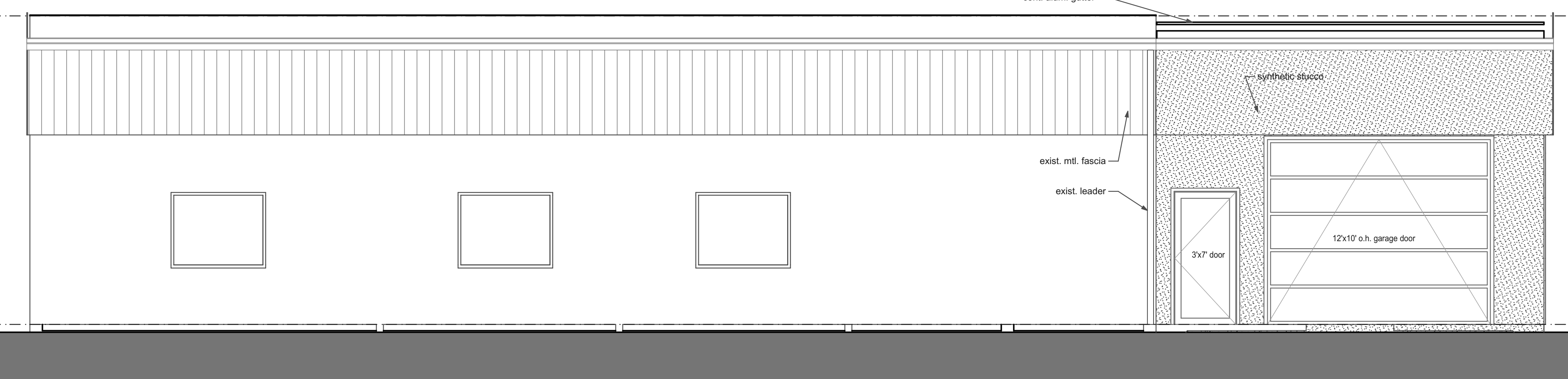
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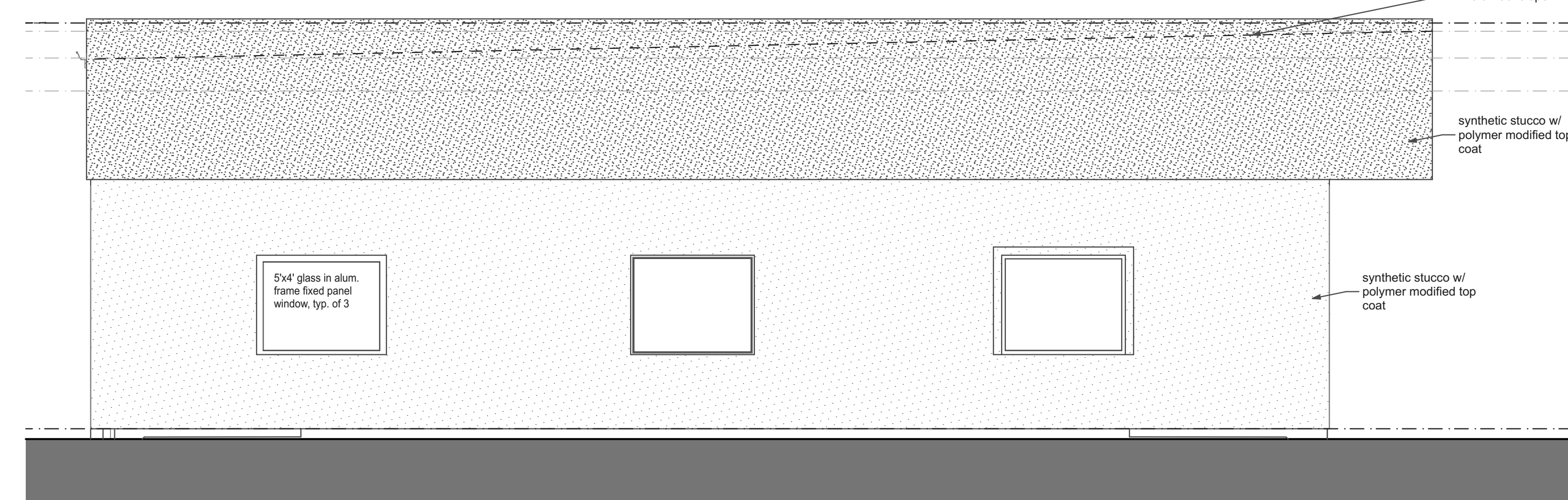
1 SOUTH ELEVATION

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



2 NORTH ELEVATION

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



3 WEST ELEVATION (1)

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

SANSONE
MITSUBISHI
NEW SERVICE DRIVE
3401 NJ-66
Neptune City, N.J.

LICENSE NO: N.J. 13949

John E. Giammarino
Architect

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MARK	DATE	DESCRIPTION
CD	01.20.22	REVIEW
DD	01.02.22	DRAFT

PROJECT NO: 21-3401
DRAWN BY: JEG
COPYRIGHT:
John E. Giammarino Architect LLC

SHEET TITLE

Building Elevations & Details

A-401

SHEET 4

/Users/john giammarino/Desktop/Projects/3401 Sansone/3401 Sansone.pln

NOTE:

1. WHEN PARAPET WALL EXCEEDS 24" IN HEIGHT, REFER TO DETAIL MB/BUR 6, "HIGH PARAPET WALL."
2. MASONRY WALLS TO BE PRIMED PRIOR TO FLASHING. WOOD WALLS REQUIRE BASE SHEET NAILED TO WALL 8" O.C. ALONG TOP AND LAPS AND 8" O.C. THROUGHOUT THE FIELD OF THE BASE SHEET ON THE WALL.
3. BASE FLASHING ON ALL 15 AND 20 YEAR GUARANTEE SYSTEMS MUST HAVE A BASE PLY. REFER TO FLASHING MEMBRANE APPLICATION AND FLASHING SPECIFICATION PLATES.
4. SEALANT AT TOP OF SURFACE MOUNTED COUNTER FLASHING IS A MAINTENCE ITEM AND MUST BE MAINTAINED THROUGHOUT THE LIFE OF THE ROOF TO ENSURE A WATER TIGHT SEAL.

	GAFGLAS RUBEROID	WALL FLASHING WITH SURFACE MOUNTED COUNTERFLASHING	DRAWING # 05	SYSTEM MB/BUR
GAF MATERIALS CORPORATION www.gaf.com			SCALE N.T.S.	ISSUE/ REVISION DATE 11-01-10

NOTE:

1. MASONRY WALLS TO BE PRIMED PRIOR TO FLASHING. WOOD WALLS REQUIRE BASE SHEET NAILED TO WALL 8" O.C. ALONG TOP AND LAPS AND 8" O.C. THROUGHOUT THE FIELD OF THE BASE SHEET ON THE WALL.
2. REFER TO DETAIL MB / BUR 7 FOR ALTERNATE WALL FLASHING METHOD.
3. FASTEN BASE FLASHING APPROXIMATELY 8" O.C. FOR HEIGHTS UP TO 12" AND 4" O.C. FOR HEIGHTS UP TO 24".
4. FOR WALL FLASHINGS IN EXCESS OF 4' CONTACT GAF TECHNICAL SERVICES AT 1-800-ROOF-411.
5. BASE FLASHING ON ALL 15 AND 20 YEAR GUARANTEE SYSTEMS MUST HAVE A BASE PLY. REFER TO FLASHING MEMBRANE APPLICATION AND FLASHING SPECIFICATION PLATES.

	GAFGLAS RUBEROID	HIGH PARAPET WALL DETAIL	DRAWING # 06	SYSTEM MB/BUR
GAF MATERIALS CORPORATION www.gaf.com			SCALE N.T.S.	ISSUE/ REVISION DATE 11-01-10

NOTE:

1. BASE/PLY SHEET(S) TURNED OVER EDGE A MINIMUM OF 1 1/2" (38mm) OR THICKNESS OF NAILER WHICHEVER IS GREATER.
2. FOR DRAINAGE OVER EDGE, USE METAL WITHOUT GRAVEL STOP LIP.

	GAFGLAS RUBEROID	PERIMETER GUTTER DETAIL	DRAWING # 28	SYSTEM MB/BUR
GAF MATERIALS CORPORATION www.gaf.com			SCALE N.T.S.	ISSUE/ REVISION DATE 10-01-10

2 Roof Plan
SCALE: 1/4" = 1'-0"

**SANSONE
MITSUBISHI**
NEW SERVICE DRIVE
3401 NJ-66
Neptune City, N.J.

LICENSE NO: N.J. 13949

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CD	01.20.22	REVIEW
DD	01.02.22	DRAFT
MARK	DATE	DESCRIPTION

PROJECT NO: 21-3401
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SHEET TITLE
Roof Plan & Details

A-601
SHEET 5