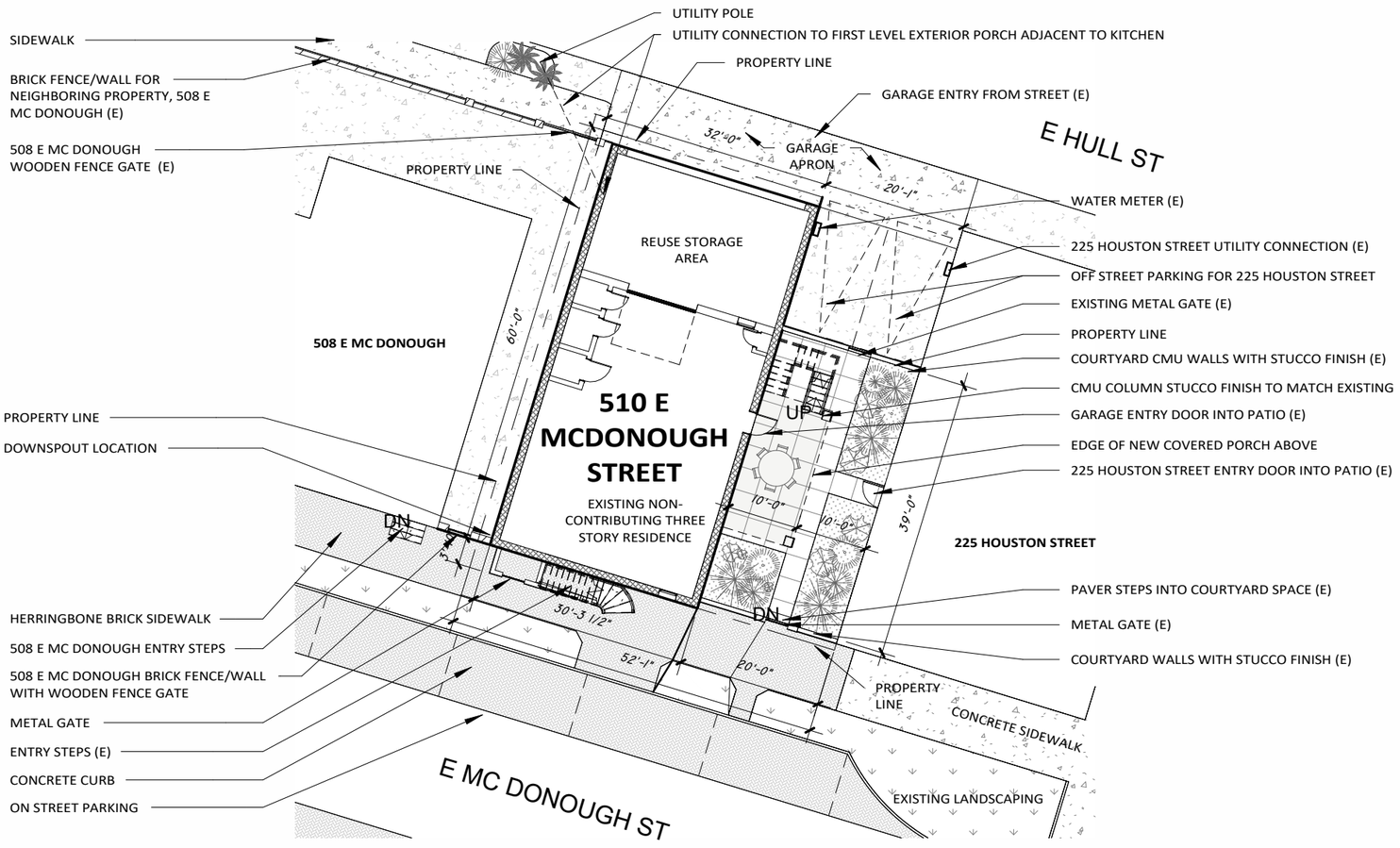
STREET ELEVATION



ARCHITECTURAL SITE PLAN

PROJECT INFORMATION:

Owner:	JOHN & KATHARIN PIERCE
Name of Project:	MCDONOUGH ST INTERIOR RENOVATION PORCH ADDITION
Address:	510 E MCDONOUGH ST SAVANNAH GA 31401
Property PIN #:	20014 05004
Property Class:	DR
Tax District/Description:	020-CITY OF SAVANNAH
Code Jurisdiction	CHATHAM COUNTY, GEORGIA
Legal Description:	LOT 30-B SUB OF LOT 30 CRAWFORD WARD SMB 24S 30 .06 AC
Type of Work:	RENOVATION AND ADDITION
Construction Type:	VB
Proposed Use:	RESIDENCE
Owner/Authorized Agent:	KEVIN ROSE
Phone:	912-308-4622 EMAIL: KEVIN@ROSEARCH.CO

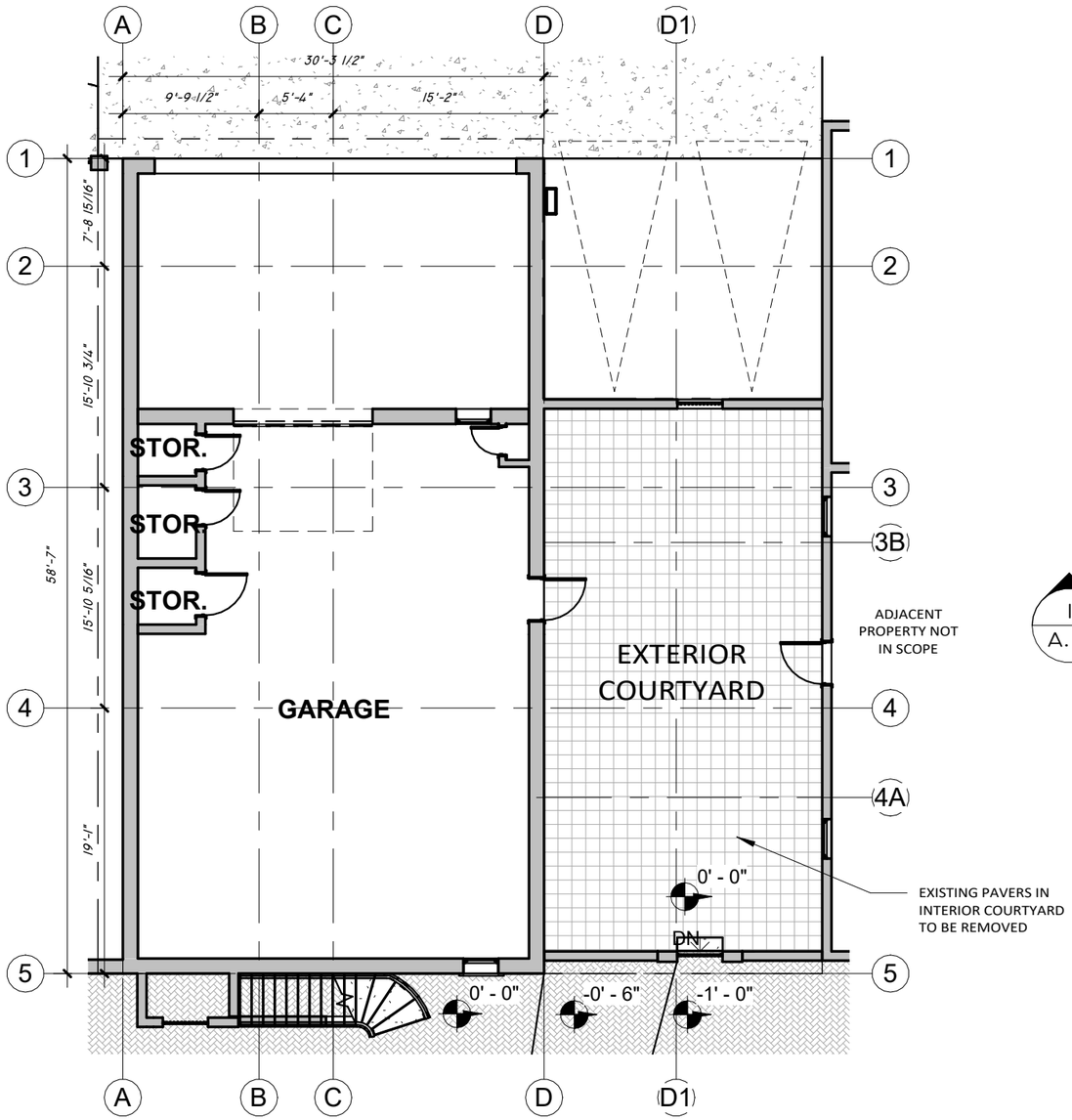
THE PROPOSED ADDITION WILL INCREASE BUILDING FOOTPRINT FROM 1,538 SF (53.33% OF LOT COVERAGE) TO 1,738 SF (59.92% OF LOT COVERAGE)

ZONING REQUIRES = BUILDING FOOTPRINT < 75% LOT COVERAGE

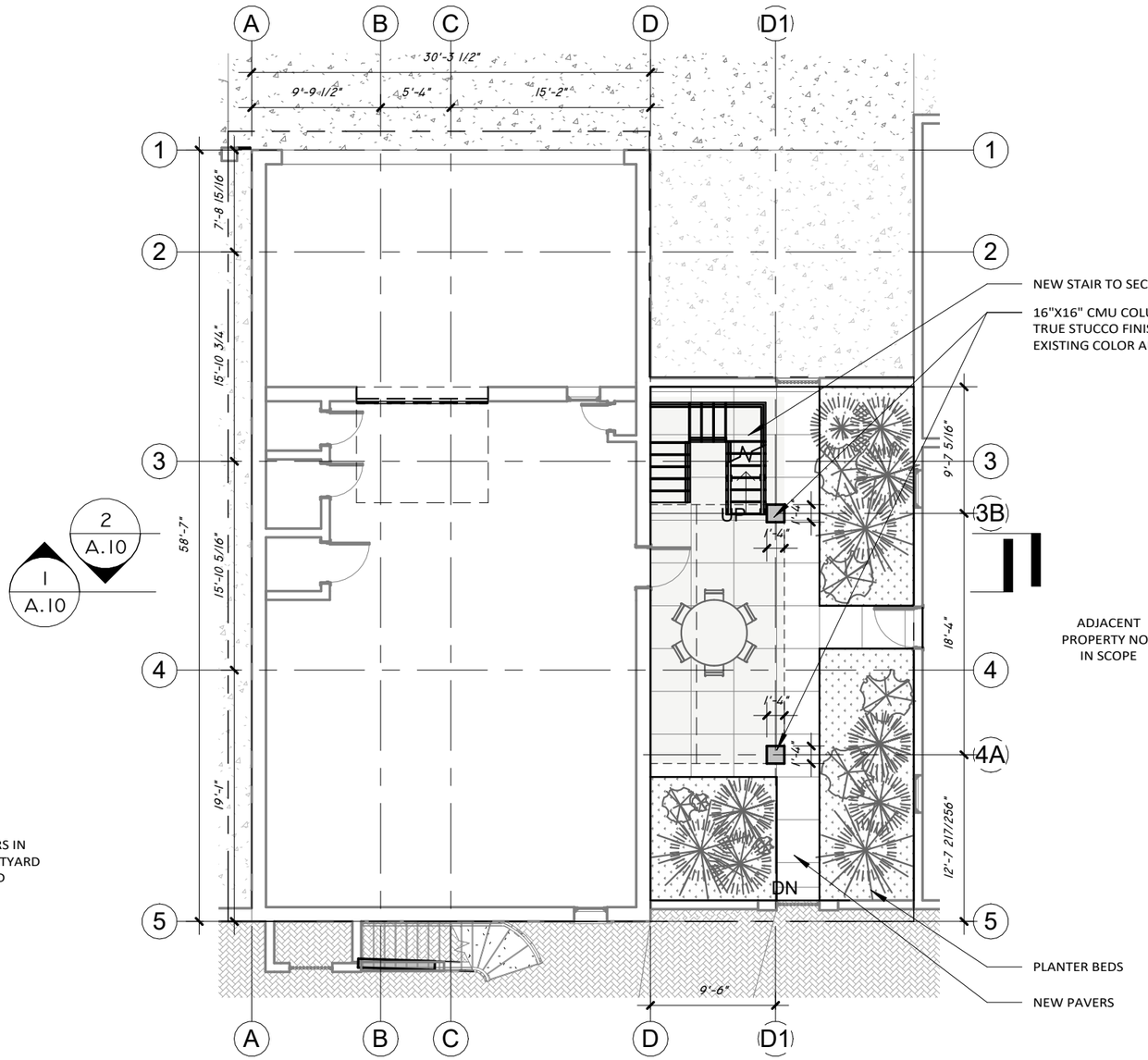
2,884 SF SITE
1,738 SF RESIDENCE BUILDING FOOTPRINT

PROJECT DESCRIPTION:

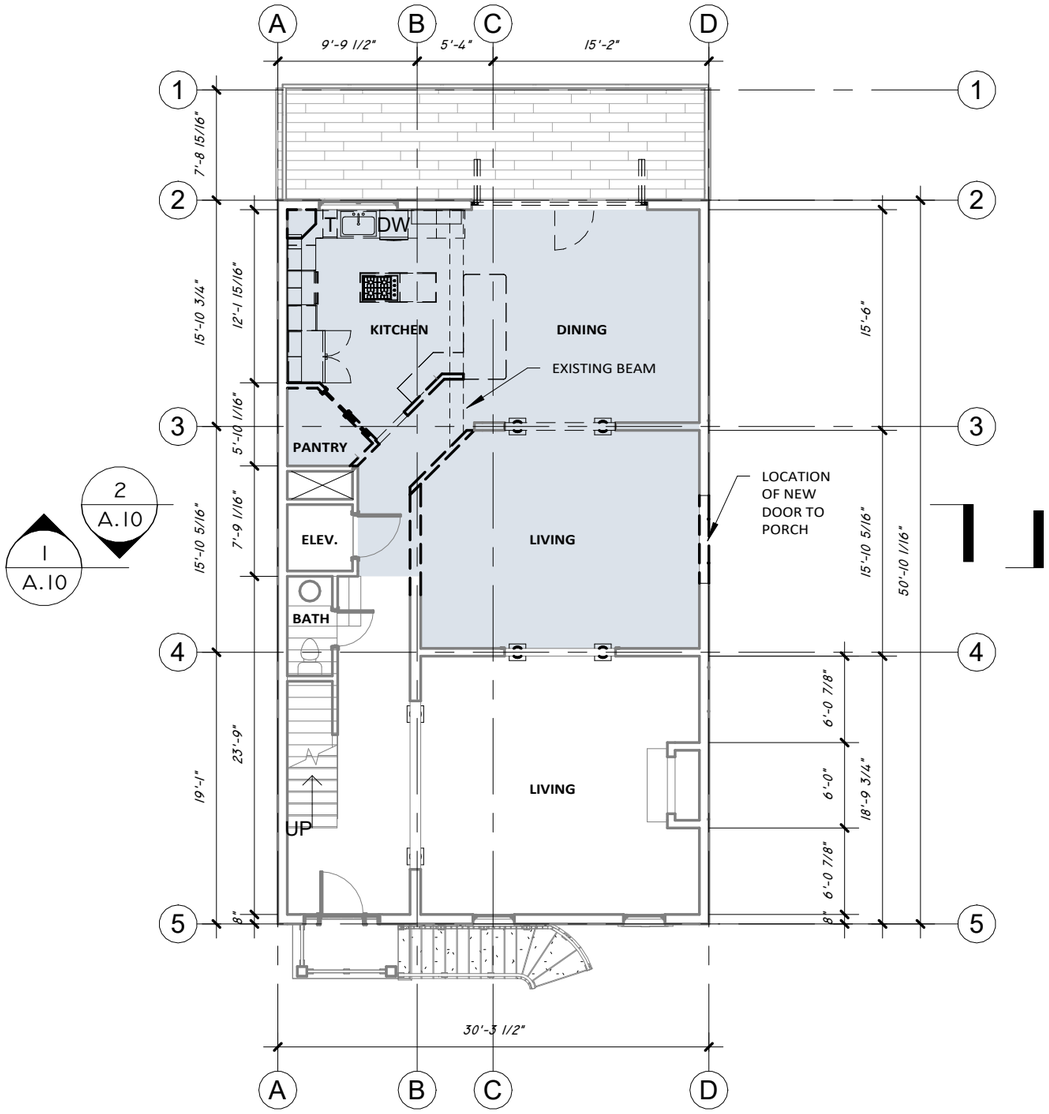
THIS PROJECT AIMS TO RENOVATE THE INTERIOR KITCHEN, AND MODIFY INTERIOR NON STRUCTURAL WALLS OF A NON CONTRIBUTING HOUSE BUILT IN 1999, AND THE ADDITION OF A COVERED SIDE PORCH AND STAIR TO ALLOW THE RESIDENTS TO ACCESS THEIR COURTYARD.



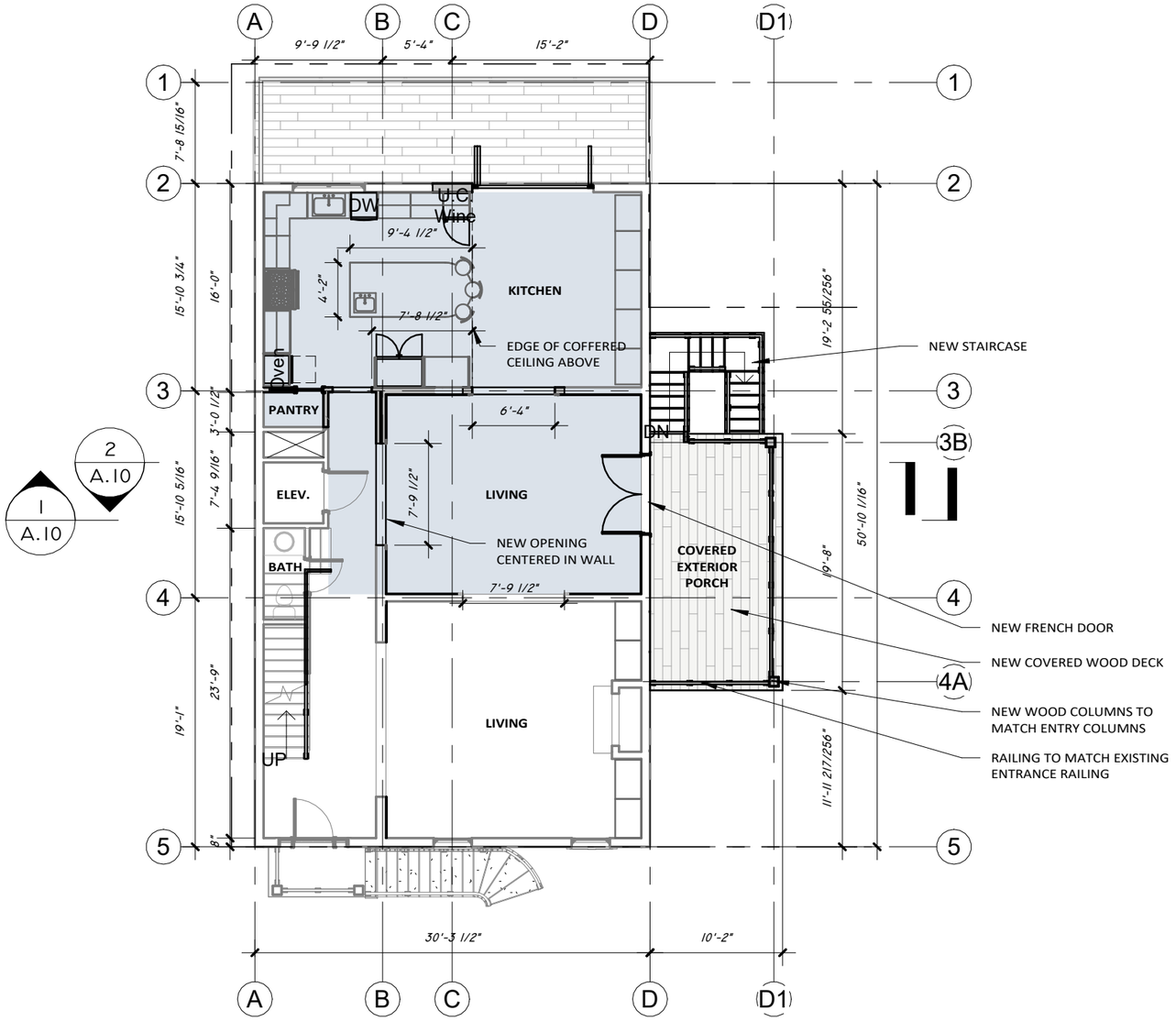
EXISTING GROUND LEVEL



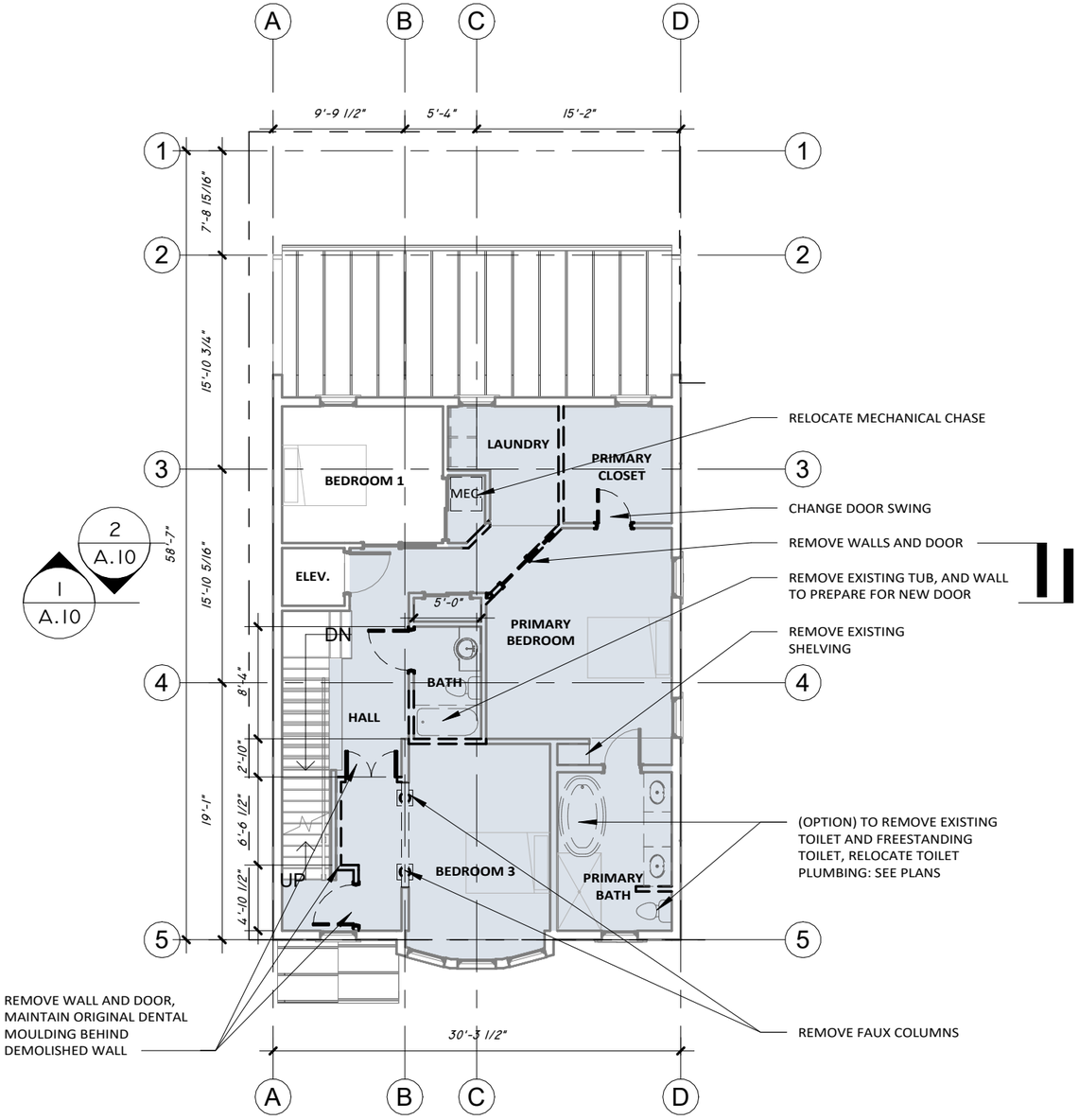
PROPOSED GROUND LEVEL



EXISTING LEVEL 1



PROPOSED LEVEL 1



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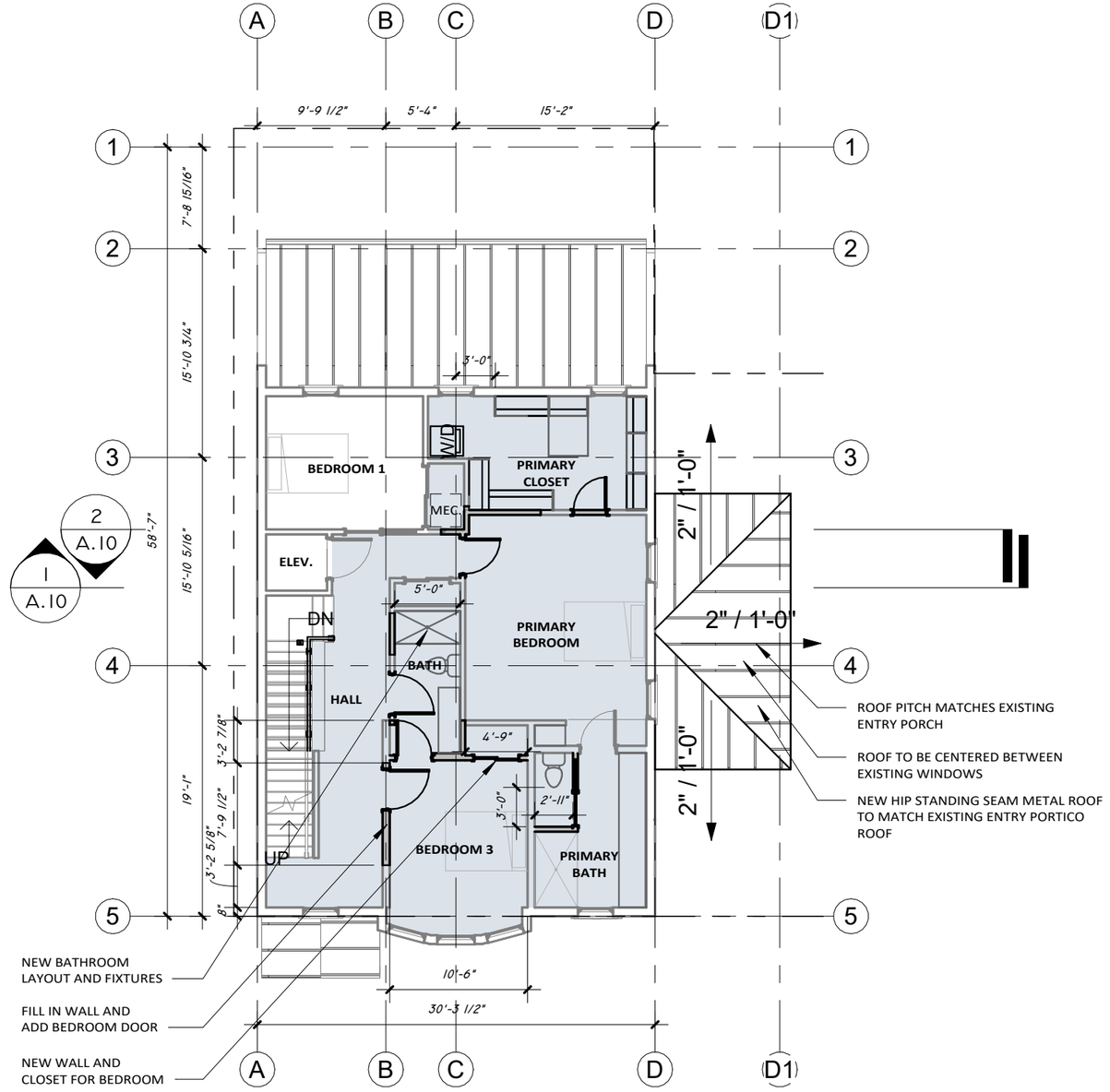
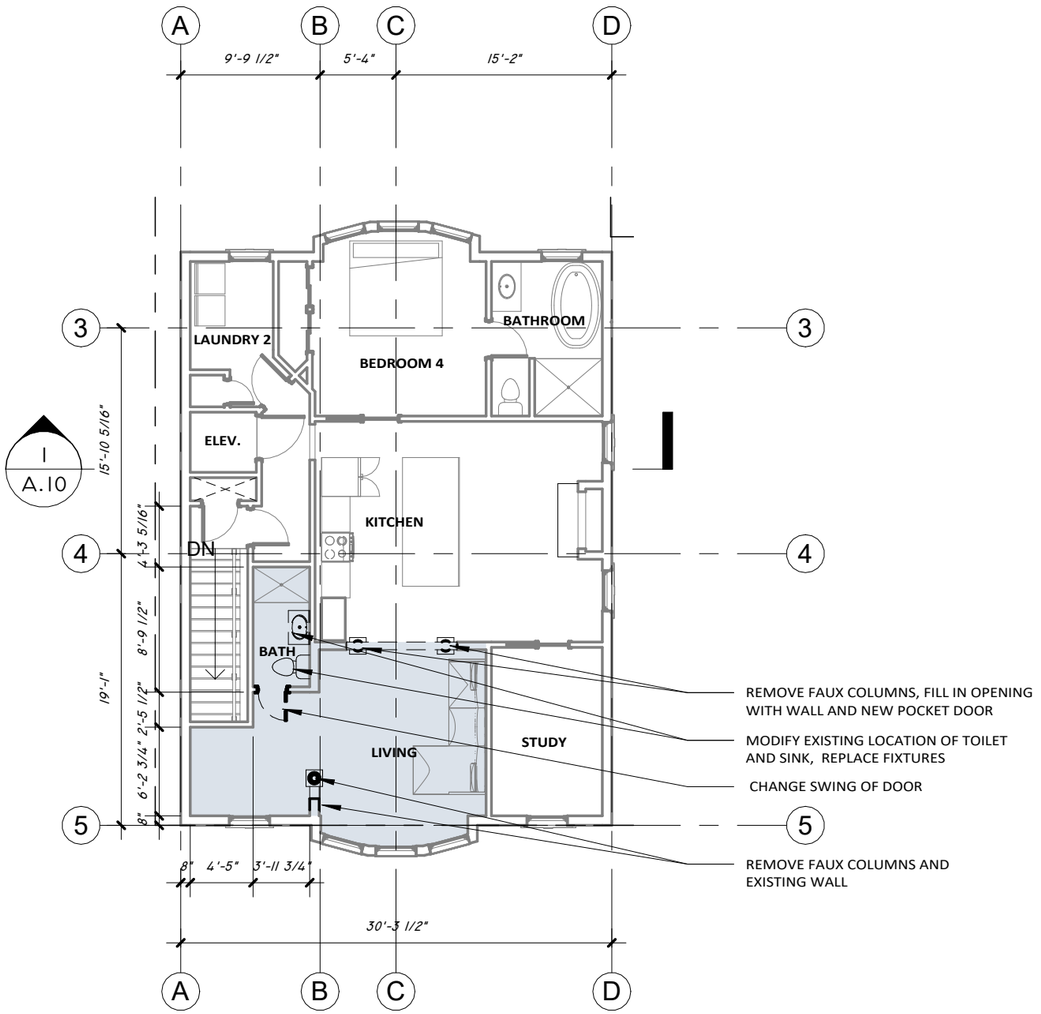


PROPOSED LEVEL 2



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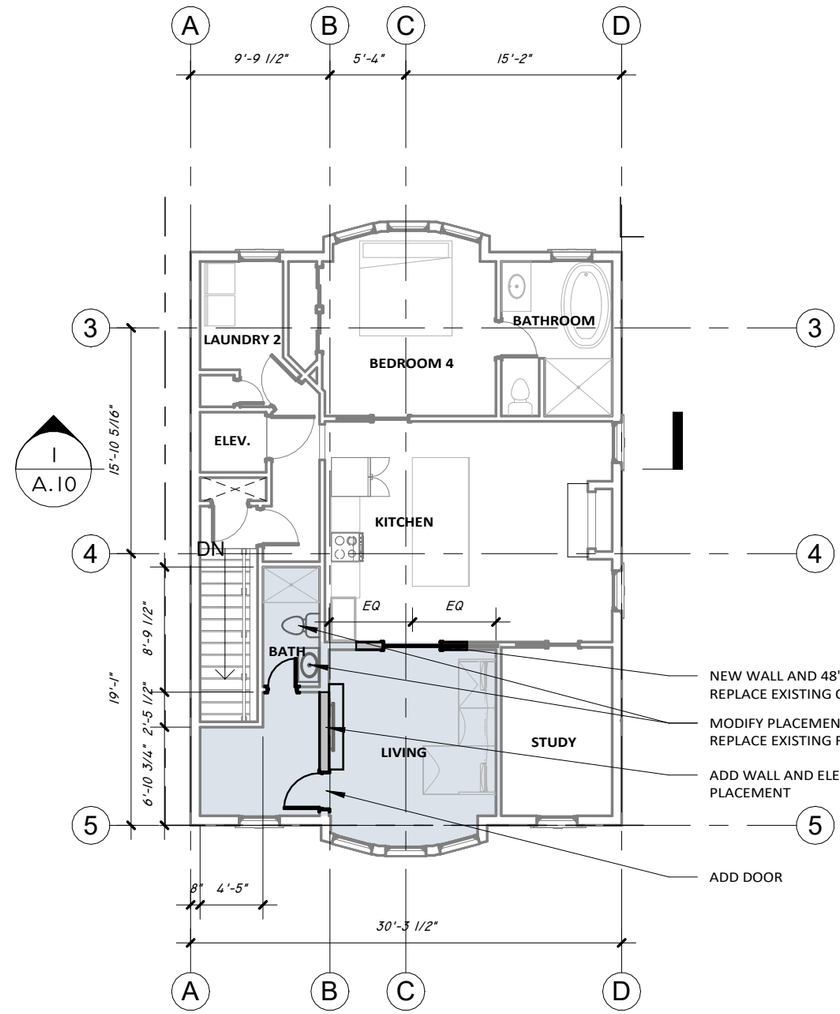
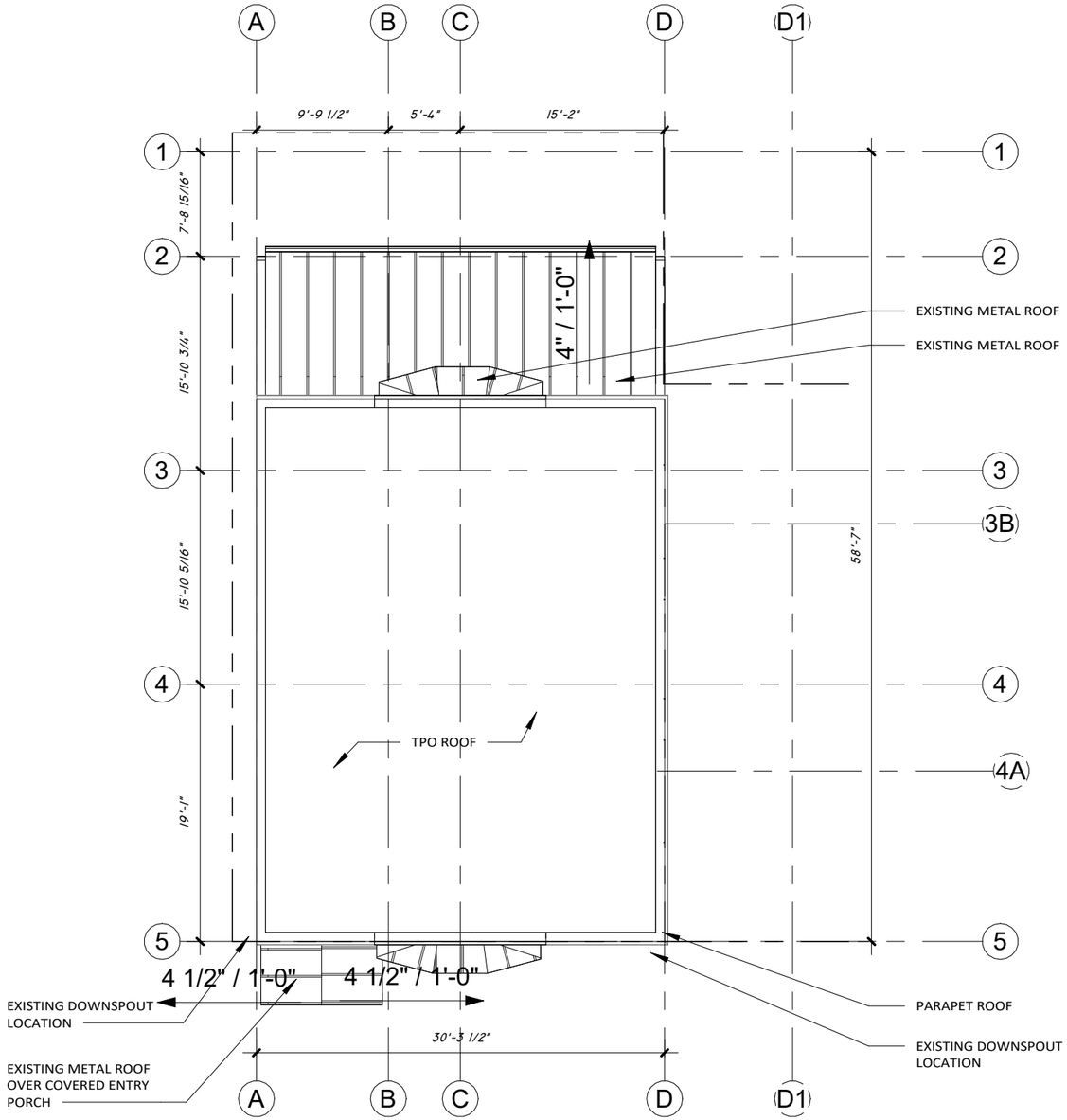
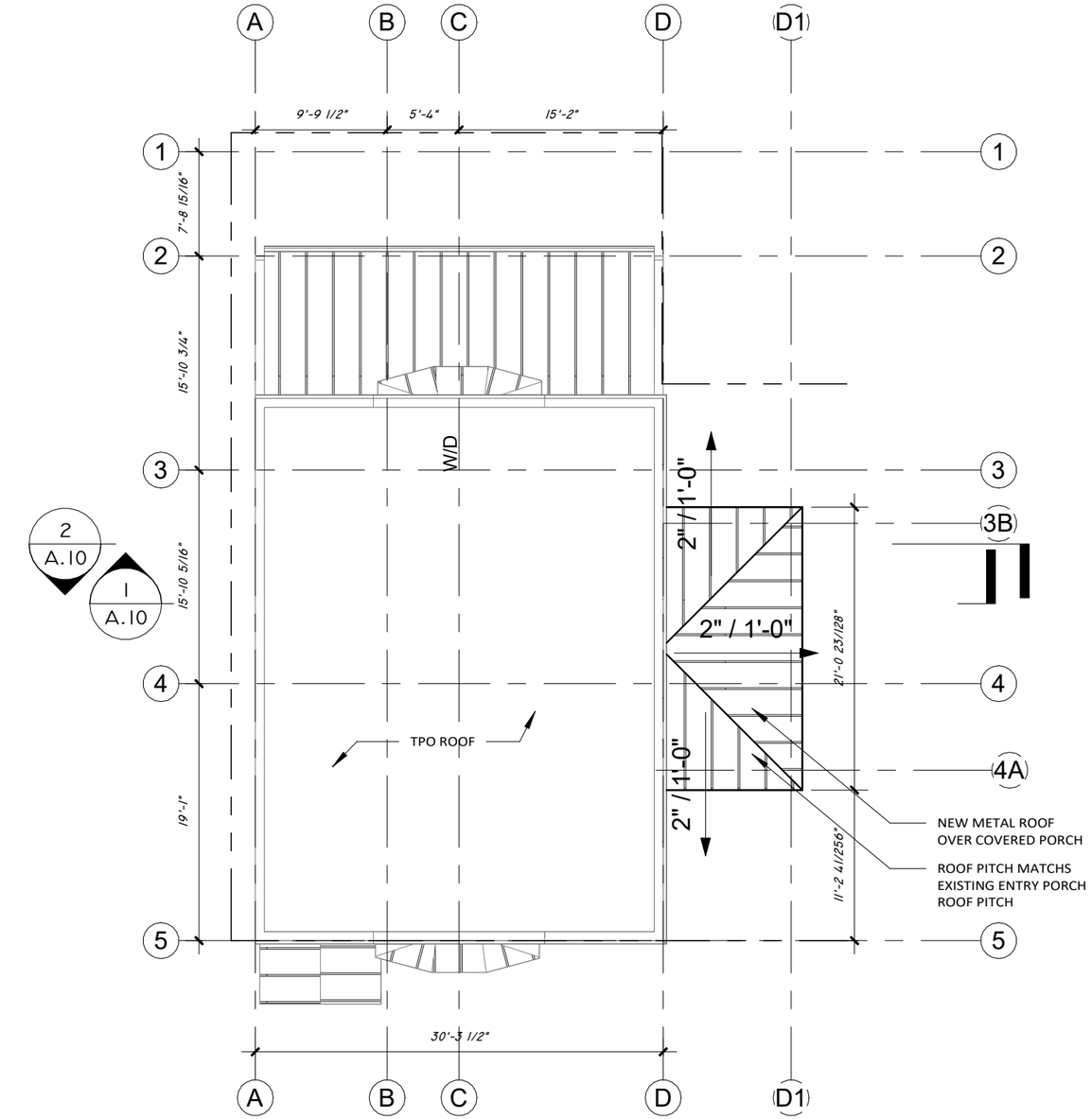


PROPOSED LEVEL 3

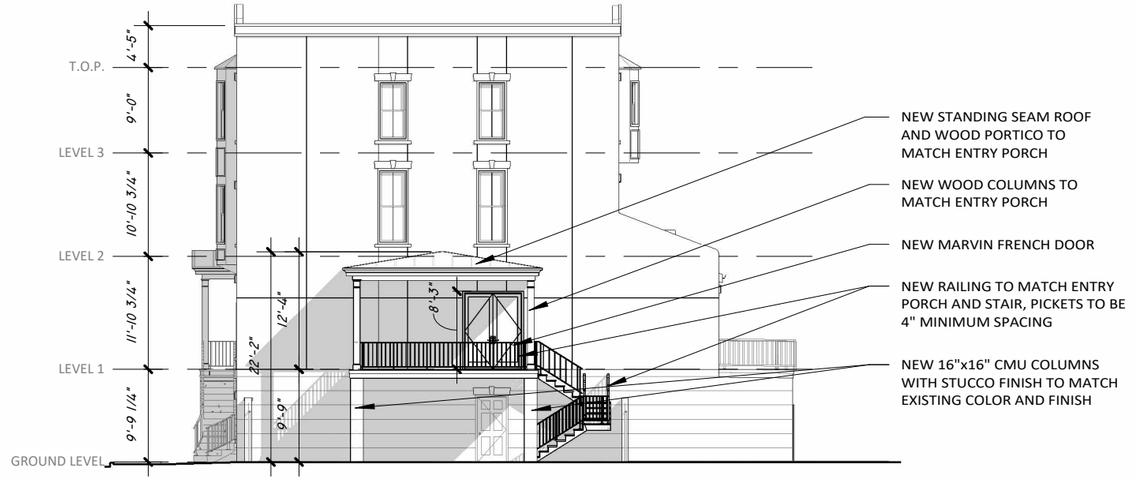


EXISTING ROOF PLAN

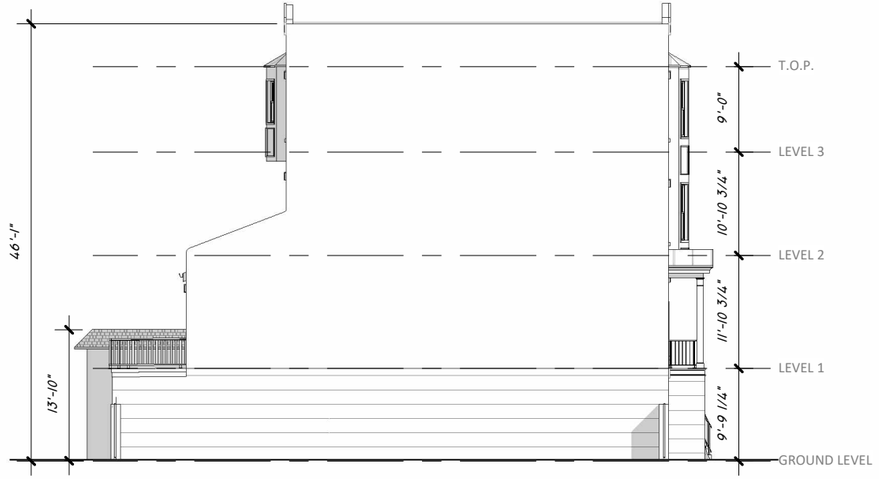


PROPOSED ROOF PLAN

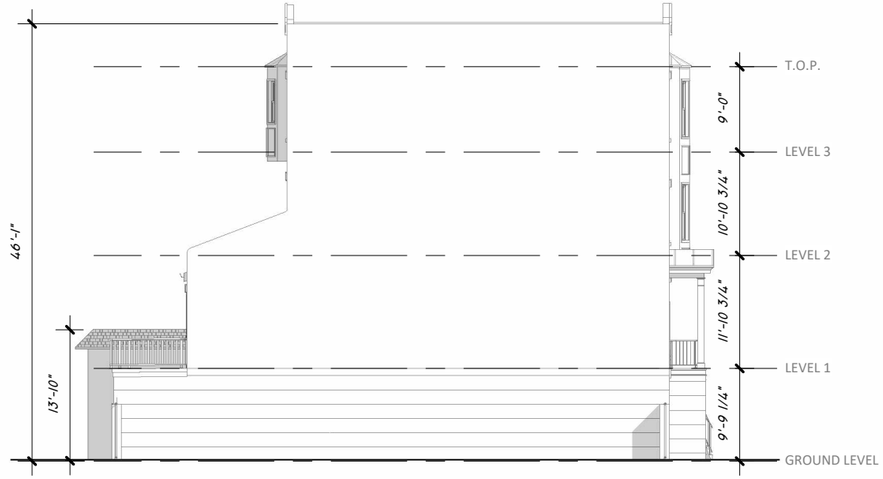
EAST ELEVATION EXISTING



EAST ELEVATION PROPOSED



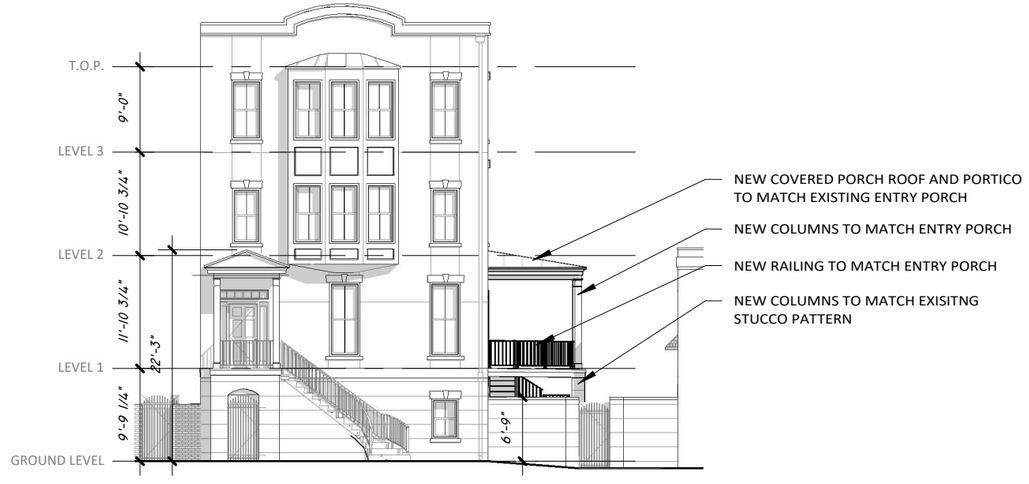
WEST ELEVATION EXISTING



WEST ELEVATION PROPOSED (NO CHANGE)

COLOR NOTE: IRON RAILINGS, WOOD TRIM, TRUE STUCCO AND OTHER ELEMENTS SHALL ALL MATCH EXISTING RELATED COLORS

SOUTH ELEVATION EXISTING



SOUTH ELEVATION PROPOSED

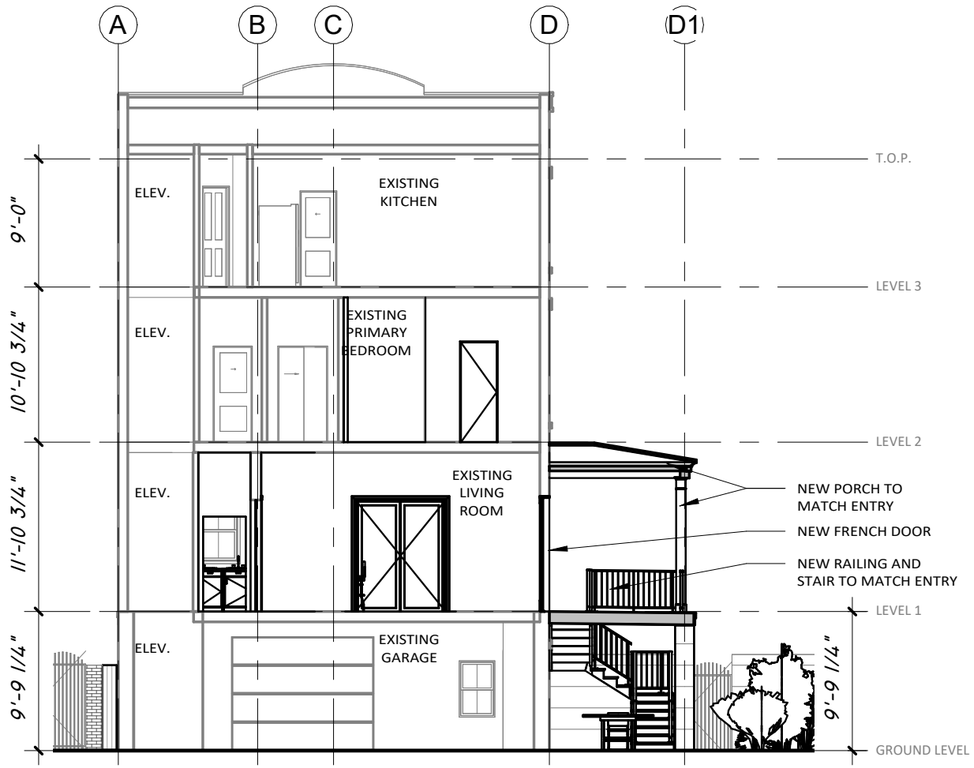
NORTH ELEVATION EXISTING

NORTH ELEVATION PROPOSED

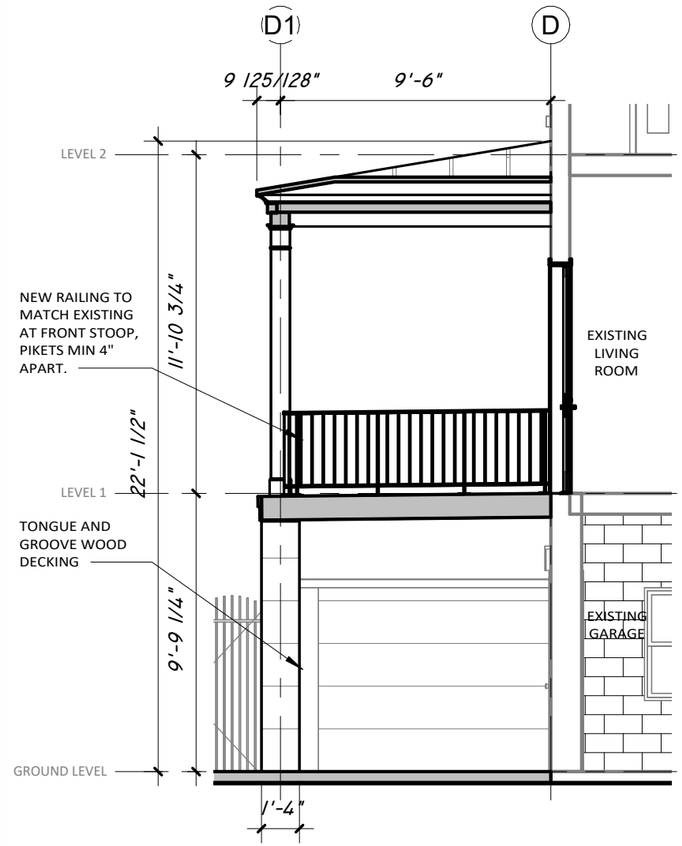
COLOR NOTE: IRON RAILINGS, WOOD TRIM, TRUE STUCCO AND OTHER ELEMENTS SHALL ALL MATCH EXISTING RELATED COLORS

VIEW FROM MC DONOUGH STREET

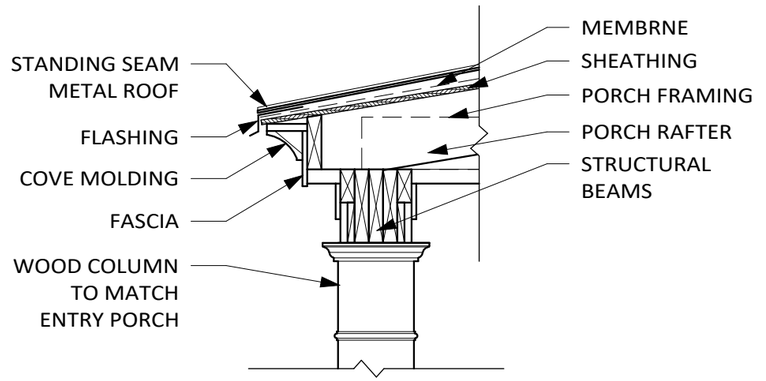
VIEW FROM E HULL STREET



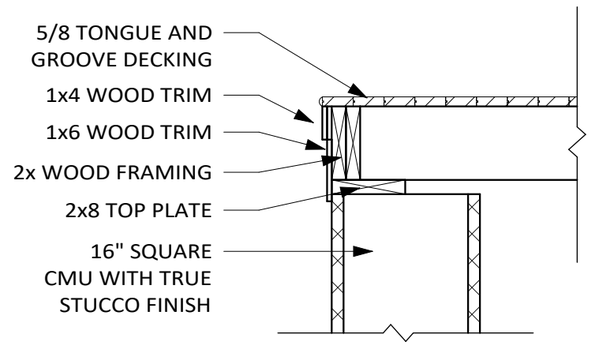
1 A.10 BUILDING SECTION
3/32" = 1'-0"



2 A.10 PARTIAL SECTION
3/16" = 1'-0"



4 A.10 PORCH COLUMN EAVE DETAIL
3/4" = 1'-0"



3 A.10 PORCH DECKING
3/4" = 1'-0"

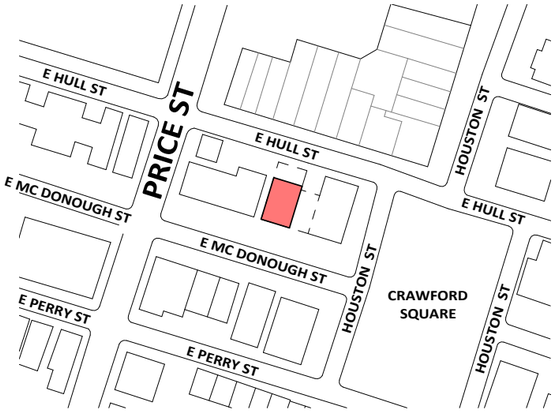
DETAILS

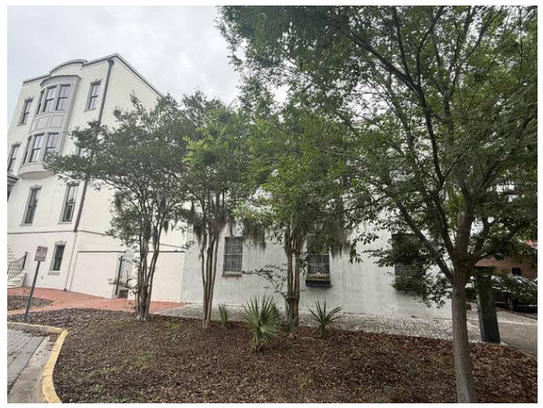
E HULL STREET LOOKING TOWARDS 508 E MCDONOUGH

E HULL STREET LOOKING TOWARDS 508 E MCDONOUGH

E HULL STREET LOOKING SOUTH

E MCDONOUGH STREET

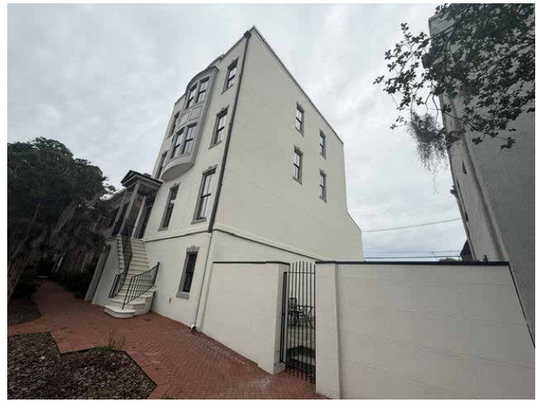




STREET

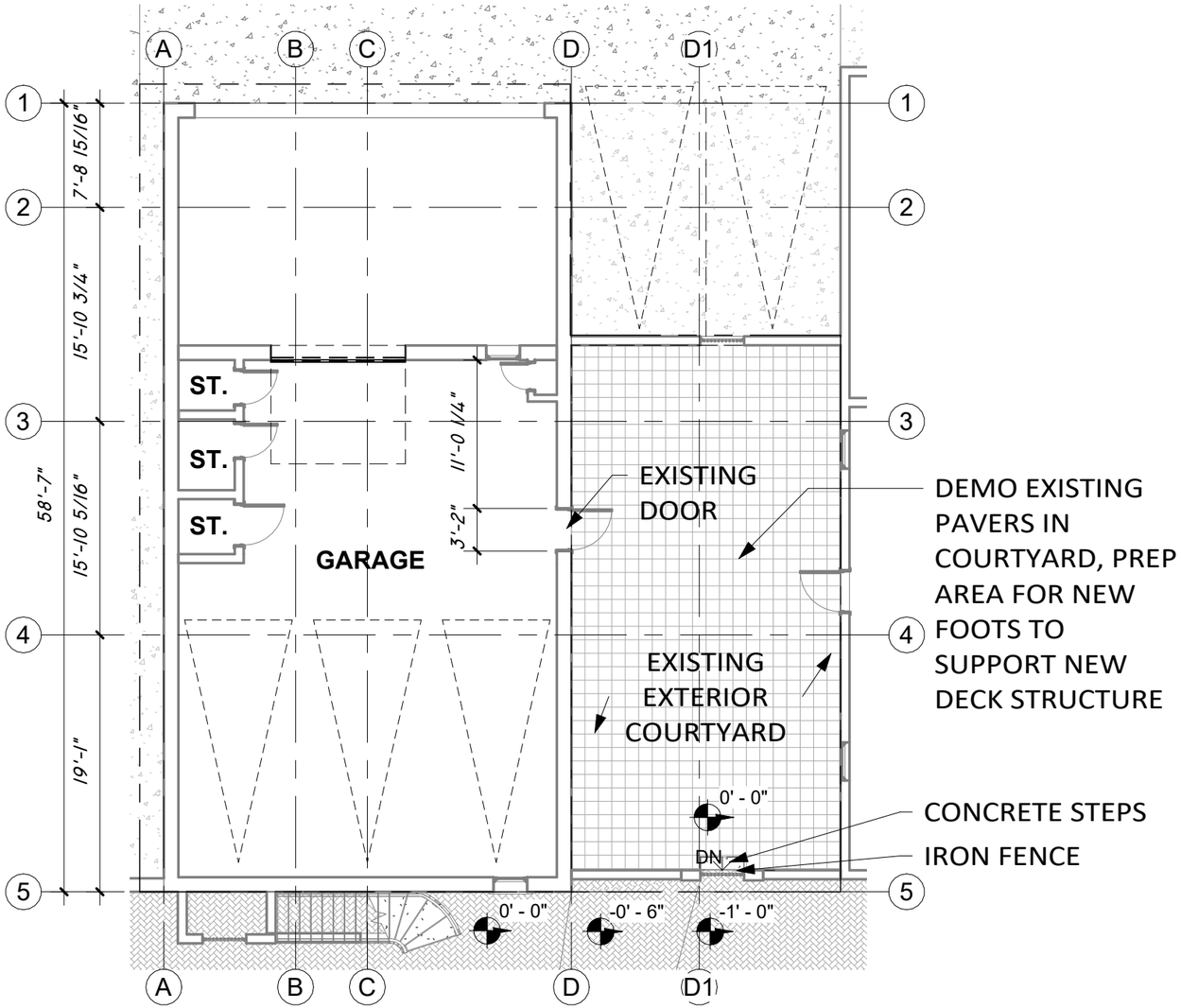
E MC DONOUGH STREET LOOKING TOWARDS 508 E MCDONOUGH

E HULL STREET LOOKING TOWARDS 225 HOUSTON STREET

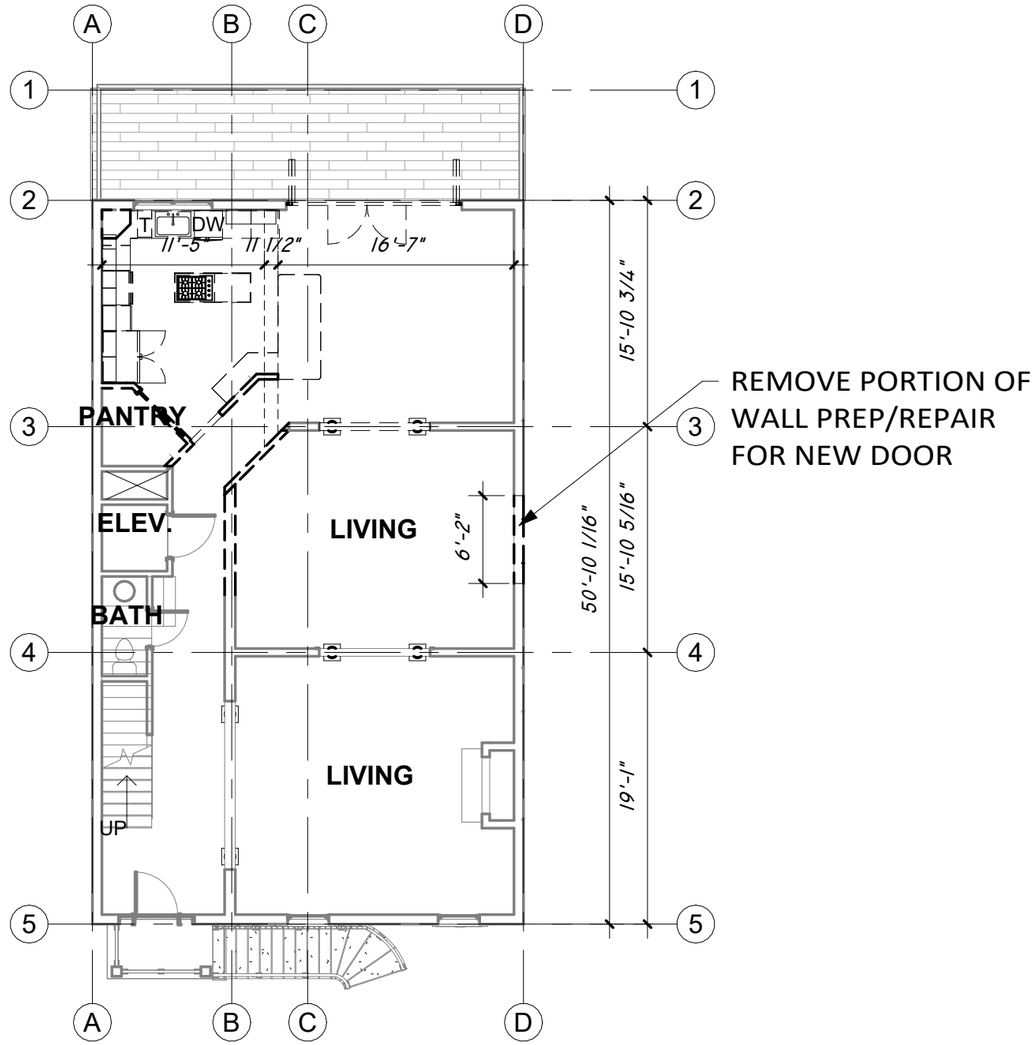


SIDEWALK SOUTH OF 510 E MCDONOUGH

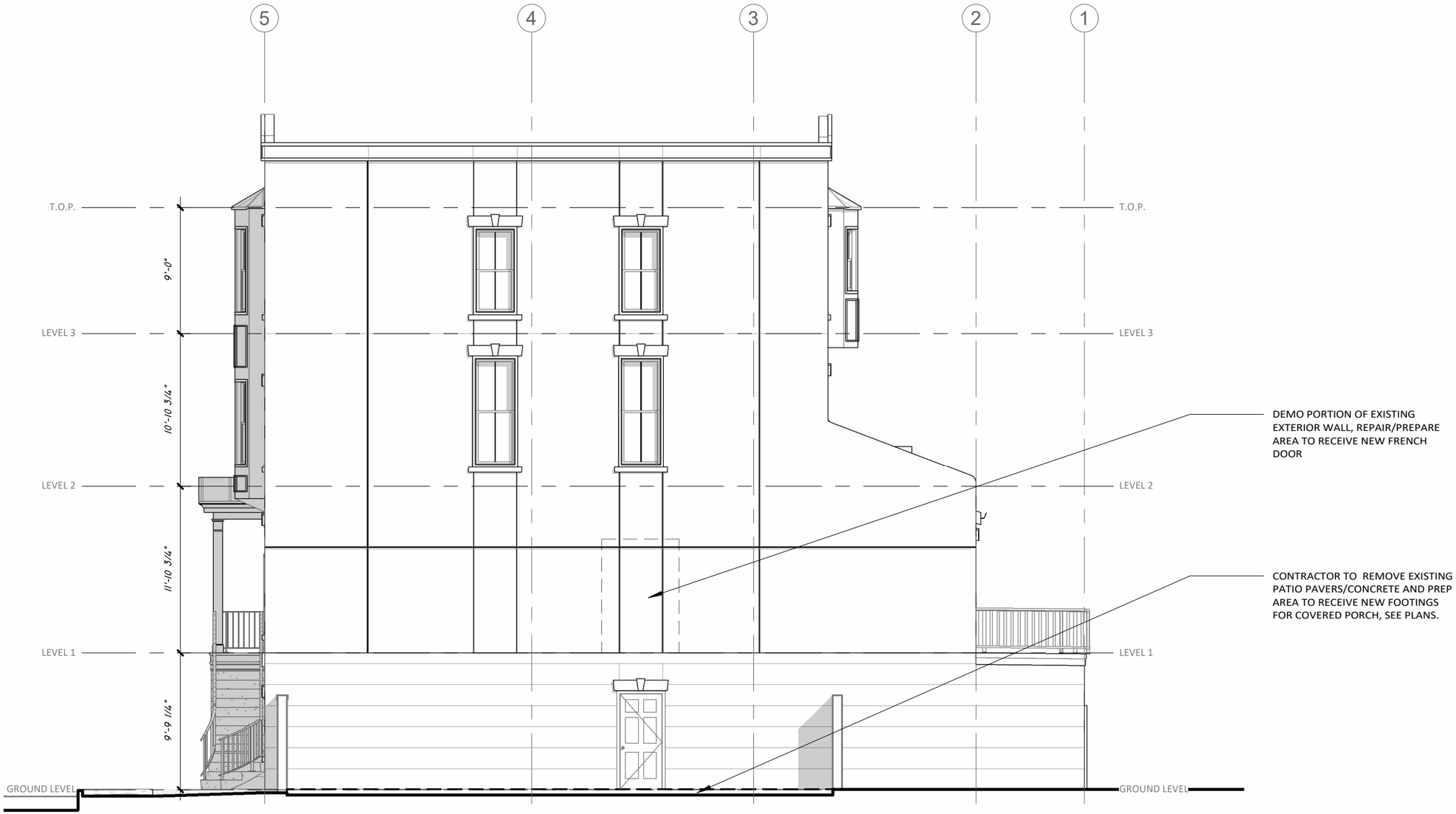

COLOR NOTE: IRON RAILINGS, WOOD TRIM,
TRUE STUCCO AND OTHER ELEMENTS SHALL
ALL MATCH EXISTING RELATED COLORS



DEMO PLAN - LEVEL 1



DEMO PLAN - LEVEL 1



DEMO ELEVATION - EAST

Section 08 14 23
Ultimate Swinging Doors

Part 1 General

1.1 Section Includes

Ultimate Inswing/Outswing Door and frame complete with hardware, glazing, weather strip, insect screen, grilles-between-the glass, simulated divided lite, jamb extension, raised/flat panels, and standard or specified anchors, trim, attachments, and accessories

1.2 Construction Specification Institute (CSI) MasterFormat Numbers and Titles

A. Section 01 33 23 – Submittal Procedures: Shop Drawings, Product Data, and Samples

B. Section 01 62 00 – Product Options

C. Section 01 25 15 – Product Substitution Procedures

D. Section 01 65 00 – Product Delivery Requirements

E. Section 01 66 00 – Product Storage and Handling Requirements

F. Section 01 71 00 – Examination and Preparation

G. Section 01 73 00 - Execution

H. Section 01 74 00 – Cleaning and Waste Management

I. Section 01 75 00 – Starting and Adjusting

J. Section 01 76 00 – Protecting Installed Construction

K. Section 06 22 00 – Millwork: Wood trim other than furnished by door and frame manufacturer

L. Section 07 92 00 – Joint Sealants: Sill sealant and perimeter caulking

M. Section 08 71 00 – Door Hardware: Hardware other than furnished by door and frame manufacturer

N. Section 09 90 00 – Paints and Coatings: Paint and stain other than factory applied finish

1.3 References

A. ASTM, International:

1. E283: Standard Test Method for Determining Rate of Air Leakage through Exterior Windows, Skylights, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen

2. E330: Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights, and Curtain Walls, and Doors by Uniform Static Air Pressure Difference

3. E547: Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Cyclic Static Air Pressure Difference

4. E2190: Standard Specification for Insulating Glass Unit Performance and Evaluation

5. C1036: Standard Specification for Flat Glass

6. E 2112: Standard Practice for Installation of Exterior Windows, Doors, and Skylights

B. North American Fenestration Standards (NAFS) - American Architectural Manufacturer's Association/Window and Door Manufacturer's Association/Canadian Standards Association (AAMA/WDMA/CSA 101/I.S.2/A440):

1. AAMA/WDMA/CSA 101/I.S.2/A440-11: NAFS - North American Fenestration, Standard/Specification for windows, doors, and skylights

2. AAMA/WDMA/CSA 101/I.S.2/A440-17: NAFS – North American Fenestration Standard/Specification for windows, doors, and skylights

C. Window and Door Manufacturers Association (WDMA)

1. WDMA I.S.4: Industry Standard for Water Repellant Preservative Treatment for Millwork

2. WDMA I.S.2 Hallmark Certification Program

D. Insulating Glass Certification Council (IGCC) and Fenestration Glazing Industry Alliance (FGIA) Glass Products Council (GPC)

E. Fenestration Glazing Industry Alliance (FGIA) – note: AAMA combined with IGMA and formed FGIA as of 08/01/2019

1. AAMA 2605: Voluntary Specification for High Performance Organic Coatings on Architectural Extrusions and Panels

F. National Fenestration Rating Council (NFRC):

1. NFRC 101: Procedure for Determining Fenestration Product Thermal Properties

2. NFRC 200: Procedure for Determining Solar Heat Gain Coefficients at Normal Incidence

G. Window Covering

1. WCMA A100.0: Standard for safety of window covering products

1.4 System Description

A. Design and Performance Requirements:

Ultimate Inswing Door

Product	Air Tested to psf	Water Tested to psf	Structural Tested to psf	Certification Rating	Design Pressure (DP)	Overall Width		Overall Height		Applicable Configurations
						in	mm	in	mm	
Ultimate Inswing Door 2.25 12080 (OXXO)	1.57	6	60	LC-PG40	40	143	(3632)	98	(2489)	OXXO
Ultimate Inswing Door 2.25 14080 (OXXO)	1.57	4.5	45	LC-PG30	30	167	(4242)	98	(2489)	OXXO
Ultimate Inswing Door 2.25 36100 (O)	1.57	7.5	75	LC-PG50	50	43 7/16	(1103)	122	(3099)	O
Ultimate Inswing Door 2.25 36100 (X)	1.57	7.5	75	LC-PG50	50	43 7/16	(1103)	122	(3099)	X

Ultimate Outswing Door

Product	Air Tested to psf	Water Tested to psf	Structural Tested to psf	Certification Rating	Design Pressure (DP)	Overall Width		Overall Height		Applicable Configurations
						in	mm	in	mm	
Ultimate Outswing Door 2.25 12080 (OXXO)	1.57	6	60	LC-PG40	40	143	(98)	98	(2489)	OXXO
Ultimate Outswing Door 2.25 14080 (OXXO)	1.57	4.5	45	LC-PG30	30	167	(98)	98	(2489)	OXXO
Ultimate Outswing Door 2.25 36100 (O)	1.57	7.5	75	LC-PG50	50	43 7/16	(122)	122	(3099)	O
Ultimate Outswing Door 2.25 36100 (X)	1.57	7.5	75	LC-PG50	50	43 7/16	(122)	122	(3099)	X

1.5 Submittals

A. Shop Drawings: Submit shop drawings under provision of CSI MasterFormat Section 01 33 23

B. Product Data: Submit catalog data under provision of CSI MasterFormat Section 01 33 23

C. Samples:

1. Submit corner section under provision of CSI MasterFormat Section 01 33 23

2. Include glazing system, quality of construction and specified finish

D. Quality Control Submittals: Certificates: submit manufacturer's certification indicating compliance with specified performance and design requirement under provision of CSI MasterFormat Section 01 33 23

1.6 Quality Assurance

A. Requirements: consult local code for IBC [International Building Code] and IRC [International Residential Code] adoption year and pertinent revisions

1.7 Delivery

A. Comply with provisions of CSI MasterFormat Section 01 65 00

B. Deliver in original packaging and protect from weather

1.8 Storage and Handling

A. Prime and seal wood surfaces, including to be concealed by wall construction, if more than thirty (30) days will expire between delivery and installation. Seal unfinished top and bottom edges of door panels if panels are stored at the job site more than one (1) week.

B. Store door panels flat on a level surface in a clean and dry storage area above ground to protect from weather under provision of CSI MasterFormat Section 01660

C. Condition doors to local average humidity before hanging

1.9 Warranty

Complete and current warranty information is available at marvin.com/warranty. The following summary is subject to the terms, condition, limitations and exclusions set forth in the Marvin Windows and Door Limited Warranty and Products in Coastal Environments Limited Warranty Supplement:

A. Clear insulating glass with stainless steel spacers is warranted against seal failure caused by manufacturing defects and resulting in visible obstruction through the glass for twenty (20) years from the original date of purchase. Glass is warranted against stress cracks caused by manufacturing defects from ten (10) years from the original date of purchase.

B. Standard exterior aluminum cladding finish is warranted against manufacturing defects resulting in chalk, fade and loss of adhesion (peel) per the American Architectural Manufacturer's Association (AAMA) Specification 2605-11 Section 8.4 and 8.9 for twenty (20) years from the original date of purchase.

C. Factory-applied interior finish is warranted to be free from finish defects for a period of five (5) years from the original date of purchase.

D. Hardware and other non-glass components are warranted to be free from manufacturing defects for ten (10) years from the original date of purchase.

Part 2 Products

2.1 Manufactured Units

A. Description: Factory-assembled Ultimate Inswing / Outswing Door and/or related stationary units as manufactured by Marvin Windows and Doors, Ripley, Tennessee.

2.2 Frame Description

1. Interior: Non Finger-Jointed Pine or finger-jointed core with non finger-jointed Pine veneer; Kiln-dried to moisture content no greater than twelve (12) percent at time of fabrication

2. Water repellant, preservative treated in accordance with WDMA I.S.4

B. Frame exterior aluminum clad with 0.050” (1.3mm) thick extruded aluminum

C. Frame width: Outswing: 4 9/16” (116mm); Inswing: 6 9/16” (167mm)

D. Frame thickness: 1 1/16” (27mm)

E. Inswing French Door Sill: A single pultrusion of Fiber Reinforced Plastic (FRP), also known as Ultrex®, provides superior thermal performance

1. An integral weep system is part of a water management system that directs any incidental moisture to the exterior

2. Sill depth is 6 9/16” (167mm) jambs

3. Standard finish is bronze

4. Optional exterior sill cover in Mahogany and Oak for O, X, or XX operating configurations

F. Outswing Door Sill: A single pultrusion of Fiber Reinforced Plastic (FRP), also known as Ultrex™, provides superior thermal performance

1. Sill depth is 5 21/32” (144mm)

2. Standard finish is bronze

3. Optional interior sill cover in Mahogany and Oak for all operating configurations

2.3 Panel Description

A. Interior: Non Finger-Jointed Pine or finger-jointed core with non finger-jointed Pine veneer; with non finger-jointed Oak veneer; non finger-jointed Cherry or finger-jointed core with Cherry

veneer; non finger-jointed Mahogany or finger-jointed core with non finger-jointed Mahogany veneer.

1. Kiln-dried to moisture content no greater than twelve (12) percent at time of fabrication
2. Water repellant, preservative treated in accordance with WDMA I.S.4.

B. Panel exterior aluminum clad with 0.050” (1.3mm) thick extruded aluminum

C. Panel thickness: 2 1/4” (44mm)

D. Top and bottom rails and stile width: 3” (121mm)

E. Panel corners glued and fastened with 5/8” x 4” (16mm by 102mm) fluted hardwood dowels. No visible fasteners.

2.4 Glazing

A. Select quality complying with ASTM C 1036; Shall comply with 16 CFR 1201 Safety Standard for Architectural Glazing Materials

B. Glazing Method: Tempered Insulating Glass (altitude adjusted)

C. Interior and Exterior Glazing Profile: Square

D. Glass Type: Clear, Low E3/ERS Argon or air

E. Glazing Seal: Silicone bedding

2.5 Finish

A. Exterior: Aluminum Clad. Fluoropolymer modified acrylic topcoat over a primer. Meets AAMA 2605 requirements.

1. Aluminum clad color options: Stone WhiteInterior Finish Options:
1. Prime: Factory-applied water-borne acrylic primer. Meets WDMA-TM 11 requirements.
2. Painted Interior Finish. Available on Pine product only. WHITE

2.6 Hardware

A. Adjustable Hinges:

1. 4 ¼” x 3 ¾” with 3/8” radius corners. Adjustment is 3/16” for horizontal and vertical of panels in frame.
2. Rectangular doors have three adjustable hinges on 6-6, 6-8, 7-0 and 8-0 heights; optional four hinges on 7-0 and 8-0 heights
3. Finish: Optional powder coat finish: Dark Bronze

4. Optional PVD finishes: Satin Nickle PVD and Oil Rubbed Bronze PVD

B. Minimalist Handle Set: Active, Inactive

1. Painted finishes: Matte Black or Dark Bronze (aluminum substrate)

2. Nanotech finishes: Oil rubbed Bronze or Satin Nickel

C. Locking System:

1. Active and Inactive panel: Marvin exclusive concealed multi-point locking system. Stainless steel head and shoot bolts operated from lever set. One inch dead bolt.

2.7 Lock Status Sensor (Optional)

A. Lock Status Sensor

1. Unit is factory-prepared for an integrated lock status sensor system. Contact sensor mounted inside the boundaries of the operating panel. Refer to Lock Status Sensor Installation Instructions.

2. Lock Status Sensor wireless only.

a. Only wireless option available. Requires purchase of secondary transmitter for operation. Marvin will prep for this option.

3. For Swinging Doors, the sensor will always be integrated into the locking hardware system.

4. The actuator (keyed or thumb turn) is integrated into the locking hardware system.

2.8 Weather Strip

A. Inswing: Head jamb and side jambs to have 2 rows of bulb weather strip maintaining contact with door panels

1. Color: Black

B. Outswing: Head jamb and side jambs to have single bulb weather strip maintaining contact with door panels

1. Color: Black

C. Inswing and Outswing: Threshold to have bulb weather strip maintaining contact with bottom of panel

1. Color: Black

2.9 Jamb Extension

A. Factory-applied up to 3” (76mm) for other wall thickness indicated or required (shipped loose)

B. Finish: Matches interior frame finish

2.10 Insect Screen (Inswing Only)

1. NOT APPLICABLE

C. Ultimate Swinging Screen

1. Extruded aluminum swinging frame. Screen will match exterior aluminum clad color.
2. Screen mesh: Marvin BrightView™, Options: Charcoal Aluminum Wire, Black Aluminum Wire, Bright Aluminum Wire, Bright Bronze Wire
3. For standard swinging screen: black hinges: 2 for doors under 90” and 3 hinges for doors over 90”. Ultimate swinging screen has 4 hinges per panel and a factory installed Z-bar.
4. Handle includes latch with exterior handle and internal locking mechanism. Available in Bronze, Satin Nickel, Brass, or Satin Taupe.

2.11 Simulated Divided Lites (SDL)

2.12 NOT APPLICABLE

2.13 Grilles-Between-the–Glass (GBG)

1. NOT APPLICABLE

2.14 Accessories and Trim

A. Installation and Hardware Accessories:

1. Factory-installed vinyl nailing/drip cap
2. Installation brackets: 6 3/8” (162mm), 9 3/8” (238mm), 15 3/8” (390mm)
3. Masonry brackets: 6” (152mm), 10” (254mm)

B. Aluminum Extrusions:

1. Casing Profile: Flat Casing
2. Aluminum clad Extrusion: Frame Expander, Jamb Extender, Mullion Cover, Mullion Expander
3. Finish: Match exterior frame finish

Part 3 Execution

3.1 Examination

A. Verification of Condition: Before installation, verify openings are plumb, square and of proper dimensions as required in CSI MasterFormat Section 01 71 00. Report frame defects or unsuitable conditions to the General contractor before proceeding.

B. Acceptance of Condition: Beginning on installation confirms acceptance of existing conditions.

3.2 Installation

A. Comply with CSI MasterFormat Section 01 73 00.

B. Assemble and install window/door unit(s) according to manufacturer's instruction and reviewed shop drawing.

C. Install sealant and related backing materials at perimeter of unit or assembly in accordance with CSI MasterFormat Section 07 92 00 Joint Sealants. Do not use expansive foam sealant.

D. Install accessory items as required.

E. Use finish nails to apply wood trim and mouldings.

3.3 Field Quality Control

A. Remove visible labels and adhesive residue according to manufacturer's instruction.

B. Unless otherwise specified, air leakage resistance tests shall be conducted at a uniform static pressure of 75 Pa (~1.57 psf). The maximum allowable rate of air leakage shall not exceed 2.3 L/sm2 (~0.45 cfm/ft2).

C. Unless otherwise specified, water penetration resistance testing shall be conducted per AAMA 502 and ASTM E1105 at 2/3 of the fenestration products design pressure (DP) rating using "Procedure B" – cyclic static air pressure difference. Water penetration shall be defined in accordance with the test method(s) applied.

3.4 Cleaning

A. Remove visible labels and adhesive residue according to manufacturer's instruction.

B. Leave windows and glass in a clean condition. Final cleaning as required in CSI MasterFormat Section 01 74 00.

3.5 Protecting Installed Construction

A. Comply with CSI MasterFormat Section 07 76 00.

B. Protecting windows from damage by chemicals, solvents, paint or other construction operations that may cause damage.

End of Section

BASE COAT SCRATCH & BROWN STUCCO

♦ The Pro's Choice Since 1936

Sakrete® Base Coat Scratch and Brown Stucco is a gray, blended, water resistant, portland/lime cement-based, material used for scratch and brown coat stucco work.

Features:

- Meets ASTM C926 Standard Specification for Application of Portland Cement-Based Plaster
- Preblend with sand requiring only the addition of water
- Can be used in a 3 coat system or 2 coat scratch and brown application
- Water resistant with a breathable finish

Use For:

- Concrete Block
- Vertical and overhead applications
- Scratch and Brown
- Applications over metal lath, welded or woven wire lath in accordance with ASTM C1063
- Brick or Stone

Yield/Water/Coverage:

Bag Size	Trowel Applied	Spray Applied	Water
80 lb (36.3 kg)	70 ft² (6.4 m²) at 1/8" (3.2 mm) thick or 35 ft² (3.2 m²) at 1/4" (6.4 mm) thick	60 ft² (5.5 m²) at 1/8" (3.2 mm) thick	1.5 gal (5.8 L)

NOTE: Yield and water are approximate. The yield above does not allow for waste and spillage. Coverage can vary depending upon texture, weather, method of application, workmanship and other conditions.

Color:

Gray

Preparation/Application:

For best results all material should be stored between 40°F (4°C) and 90°F (32°C).

1. Remove all unsound concrete, mortar, grease, oil, paint and other foreign materials that will inhibit performance.
2. When applying over a base coat, CMU (Concrete Masonry Unit) or other porous surfaces, dampen the surface first.
3. When applying over a smooth non-absorbent surface follow the provisions of ASTM C926 for surface treatment and the use of Sakrete Bonder & Fortifier or Sakrete Concrete Glue.
4. When used over old stucco, Sakrete Concrete Glue or Sakrete Bonder/ Fortifier is required.

Refer to:

- ASTM D4258 Surface Cleaning of Concrete before painting
- ASTM C926 Application of Portland Cement Plaster
- ACI 524R Guide to Portland Cement Plastering

Placement:

1. Apply a scratch and brown coat in accordance with ASTM C926 prior to application of the stucco.
2. Install to a minimum thickness in accordance with the standards referenced.
3. Finish according to the texture specified. Wood floats are preferred.
4. Over-floating the material can result in color variations, mottling and surface defects.
5. The air, mix & substrate temperatures should all be between 40°F (4°C) to 90°F (32°C).

Spray Application:

Note: The following information is offered as a guide only. Specific product, equipment, application conditions and user experience will influence proper application results. Consult with the equipment manufacturer for equipment handling techniques. Field Test material with equipment prior to starting project.

Spray an even, consistent coat, moving the nozzle with a steady, even motion, maintaining the same distance and angle from the wall.

Progressive Cavity Pump	Hose diameter & max length	Gun	Tip	Pressure at Pump	Pressure at Gun
2.5 L	1" to 1.5" (25.4 to 38.1 mm)	Pole	7/16" to 9/16" (11.1 to 14.3 mm)	300-400 psi (2.1-2.8 MPa)	Air compressor to furnish 50 psi (0.3 MPa)

Mixing:

1. Use clean tools and potable water. A mixer will help with uniformity.
2. Use approximately 1 1/2 gal (5.8 L) of water per 80 lb (36.3 kg) bag.
3. Place the water In the mixer, gradually adding the stucco to the mixing water and mix until material is wet and of a trowelable consistency (about 3 - 4 minutes).
4. Water and mixing time must be kept to a minimum and be consistent between batches. Inconsistent amounts of water from bag to bag will result in color variations on the wall.

BASE COAT SCRATCH & BROWN STUCCO

♦ The Pro's Choice Since 1936

5. Allow mixer to sit for 2 minutes, than remix for one minute. A small amount of water may be added at this time if mix is stiff.
6. Mix only quantities that can be applied within one hour.
7. If mixture becomes stiff and difficult to trowel, discard it. Do not re-temper. Re-tempering will seriously affect performance.
8. When used over porous substrates and/or during hot, dry weather replace 1/2 gallon of water with the Sakrete Bonder & Fortifier or prime with Sakrete Concrete Glue.

Note: Refer to applicable sections of the standards referenced. DO NOT re-temper. Re-tempering will seriously affect color. When using Sakrete Bonder & Fortifier, pre-dilute with water first before mixing with the stucco. The addition of Bonder & Fortifier improves bond, curing, reduces shrinkage cracks, improves color retention and helps reduce efflorescence.

Curing:

1. Proper curing is critical for sound results.
2. Protect newly applied substrates from rain for 24 hours. Protect from freezing for 24 hours after application.
3. Materials modified with Sakrete Bonder & Fortifier should be air cured, unless hot and/or drying winds or low humidity are present. Under such conditions if not modified, lightly fog spray.
4. Cure per American Concrete Institute 308-Standard Practice for Curing Concrete. As with all stucco, surface cracking may occur due to curing conditions, control joint configurations, over-watering, over-troweling or other conditions beyond the control of the manufacturers of Sakrete products.
5. Efflorescence is a naturally occurring phenomenon associated with portland cement based products. Elevated mineral content, salts, or other particulates can exacerbate this condition.

Precautions:

- DO NOT apply over substrates that are frozen.
- DO NOT apply if air or substrate temperature is below 40°F (4°C) or above 90°F (32°C).
- DO NOT apply when temperature is expected to fall below 40°F (4°C) within 48 hours.
- DO NOT over-water.
- DO NOT over-float material.
- DO NOT use high mineral content or salt water.
- DO NOT apply over painted, sealed or slick surfaces.

NOTE: Proper application and installation of all Sakrete products are the responsibility of the end user.

Safety:

READ and UNDERSTAND the Safety Data Sheet (SDS) before using this product. WARNING: Wear protective clothing and equipment. For emergency information, call CHEMTREC at 800-424-9300 or 703-527-3887 (outside USA).
KEEP OUT OF REACH OF CHILDREN.

Limited Product Warranty:

The manufacturer warrants that this product shall be of merchantable quality when used or applied in accordance with the manufacturer's instructions. This product is not warranted as suitable for any purpose other than the general purpose for which it is intended. This warranty runs for one (1) year from the dates the product is purchased. ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED TO THE DURATION OF THIS WARRANTY. Liability under this warranty is limited to replacement or defective products or, at the manufacturer's option, refund of the purchase price. CONSEQUENTIAL AND INCIDENTAL DAMAGES ARE NOT RECOVERABLE UNDER THIS WARRANTY.

FINISH COAT STUCCO

♦ The Pro's Choice Since 1936

Sakrete® Finish Coat Stucco is a blended, decorative, water resistant, portland /lime cement-based, finish coat stucco for use as a decorative finish coat stucco for vertical and overhead application.

Features:

- Meets ASTM C926 Standard Specification for Application of Portland Cement-Based Plaster
- Preblend with sand requiring only the addition of water
- Can be used in a 3 coat system or 2 coat scratch and brown application
- Water resistant with a breathable finish

Use For:

- Concrete Block
- Vertical and overhead applications
- Scratch and Brown
- Applications over metal lath, welded or woven wire lath in accordance with ASTM C1063
- Brick or Stone

Yield/Water/Coverage:

Bag Size	Trowel Applied	Spray Applied	Water
80 lb (36.3 kg)	70 ft² (6.4 m²) at 1/8" (3.2 mm) thick or 35 ft² (3.2 m²) at 1/4" (6.4 mm) thick	60 ft² (5.5 m²) at 1/8" (3.2 mm) thick	1.5 gal (5.8 L)

NOTE: Yield and water are approximate. The yield above does not allow for waste and spillage. Coverage can vary depending upon texture, weather, method of application, workmanship and other conditions.

Color:

Gray or White

Preparation/Application:

For best results all material should be stored between 40°F (4°C) and 90°F (32°C).

1. Remove all unsound concrete, mortar, grease, oil, paint and other foreign materials that will inhibit performance.
2. When applying over a base coat, CMU (Concrete Masonry Unit) or other porous surfaces, dampen the surface first.
3. When applying over a smooth non-absorbent surface follow the provisions of ASTM C926 for surface treatment and the use of Sakrete Bonder & Fortifier or Sakrete Concrete Glue.
4. When used over old stucco, Sakrete Concrete Glue or Sakrete Bonder/ Fortifier is required.

Refer to:

- ASTM D4258 Surface Cleaning of Concrete before painting
- ASTM C926 Application of Portland Cement Plaster
- ACI 524R Guide to Portland Cement Plastering

Placement:

1. Apply a scratch and brown coat in accordance with ASTM C926 prior to application of the stucco.
2. Install to a minimum thickness in accordance with the standards referenced.
3. Finish according to the texture specified. Wood floats are preferred.
4. Over-floating the material can result in color variations, mottling and surface defects.
5. The air, mix & substrate temperatures should all be between 40°F (4°C) to 90°F (32°C).

Spray Application:

Note: The following information is offered as a guide only. Specific product, equipment, application conditions and user experience will influence proper application results. Consult with the equipment manufacturer for equipment handling techniques. Field Test material with equipment prior to starting project.

Spray an even, consistent coat, moving the nozzle with a steady, even motion, maintaining the same distance and angle from the wall.

Progressive Cavity Pump	Hose diameter & max length	Gun	Tip	Pressure at Pump	Pressure at Gun
2.5 L	1" to 1.5" (25.4 to 38.1 mm)	Pole	7/16" to 9/16" (11.1 to 14.3 mm)	300-400 psi (2.1-2.8 MPa)	Air compressor to furnish 50 psi (0.3 MPa)

Mixing:

1. Use clean tools and potable water. A mixer will help with uniformity.
2. Use approximately 1 1/2 gal (5.8 L) of water per 80 lb (36.3 kg) bag.
3. Place the water In the mixer, gradually adding the stucco to the mixing water and mix until material is wet and of a trowelable consistency (about 3 - 4 minutes).
4. Water and mixing time must be kept to a minimum and be consistent between batches. Inconsistent amounts of water from bag to bag will result in color variations on the wall.

FINISH COAT STUCCO

♦ The Pro's Choice Since 1936

5. Allow mixer to sit for 2 minutes, than remix for one minute. A small amount of water may be added at this time if mix is stiff.
6. Mix only quantities that can be applied within one hour.
7. If mixture becomes stiff and difficult to trowel, discard it. Do not re-temper. Re-tempering will seriously affect performance.
8. When used over porous substrates and/or during hot, dry weather replace 1/2 gallon of water with the Sakrete Bonder & Fortifier or prime with Sakrete Concrete Glue.

Note: Refer to applicable sections of the standards referenced. DO NOT re-temper. Re-tempering will seriously affect color. When using Sakrete Bonder & Fortifier, pre-dilute with water first before mixing with the stucco. The addition of Bonder & Fortifier improves bond, curing, reduces shrinkage cracks, improves color retention and helps reduce efflorescence.

Curing:

1. Proper curing is critical for sound results.
2. Protect newly applied substrates from rain for 24 hours. Protect from freezing for 24 hours after application.
3. Materials modified with Sakrete Bonder & Fortifier should be air cured, unless hot and/or drying winds or low humidity are present. Under such conditions if not modified, lightly fog spray.
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Precautions:

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- DO NOT over-float material.
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Color to Match existing house stucco.