

BUILDING FOOTAGE INFORMATION

EXISTING BUILDING	10,285 sq. Ft.
LOT SIZE	21,843 sq. Ft.
EXISTING LOT COVERAGE	21.0 %
PROPOSED LOT COVERAGE	NO CHANGE

STRUCTURE INFORMATION

MEAN ROOF HEIGHT	13'-6"
TOTAL ROOF HEIGHT	13'-6"
NUMBER OF STORIES	1
SPRINKLER SYSTEM	NO

TYPE OF CONSTRUCTION

TYPE VB
 PROJECT IS LOCATED EAST OF I-95
 WIND-BORNE DEBRIS PROTECTION IS REQUIRED

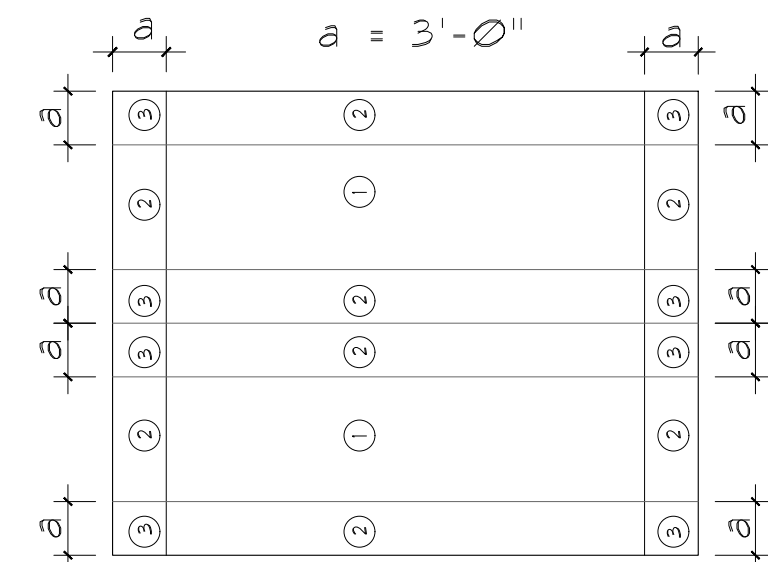
WIND ZONE INFORMATION

THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH, & MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2023 8th EDITION

1. BASIC WIND SPEED (3 SECOND GUSTS) 130 M.P.H.
2. WIND IMPORTANCE FACTOR 1.0
3. WIND EXPOSURE CATEGORY B
4. INTERNAL PRESSURE COEFFICIENT +18 OR -18
5. COMPONENT & CLADDING WIND LOADS Lbs./sq.ft.

HEIGHT AND EXPOSURE ADJUSTMENT COEFFICIENTS = 1.00

ROOF	EFFECTIVE WIND AREA FL. Sq.							
	10	20	50	100	10	20	50	100
1	10.5	-25.9	10.0	-25.2	10.0	-24.4	10.0	-23.7
2&3	10.5	-43.5	10.0	-38.8	10.0	-32.7	10.0	-28.1
WALL								
4	25.9	-28.1	24.7	-26.9	23.2	-25.4	22.0	-24.2
5	25.9	-34.7	24.7	-32.4	23.2	-29.3	22.0	-26.9
ROOF OVERHANG	10	20	50	100				
		-31.3	-36.7	-35.2	-35.1			
		-61.5	-48.3	-30.8	-17.6			



NOTES

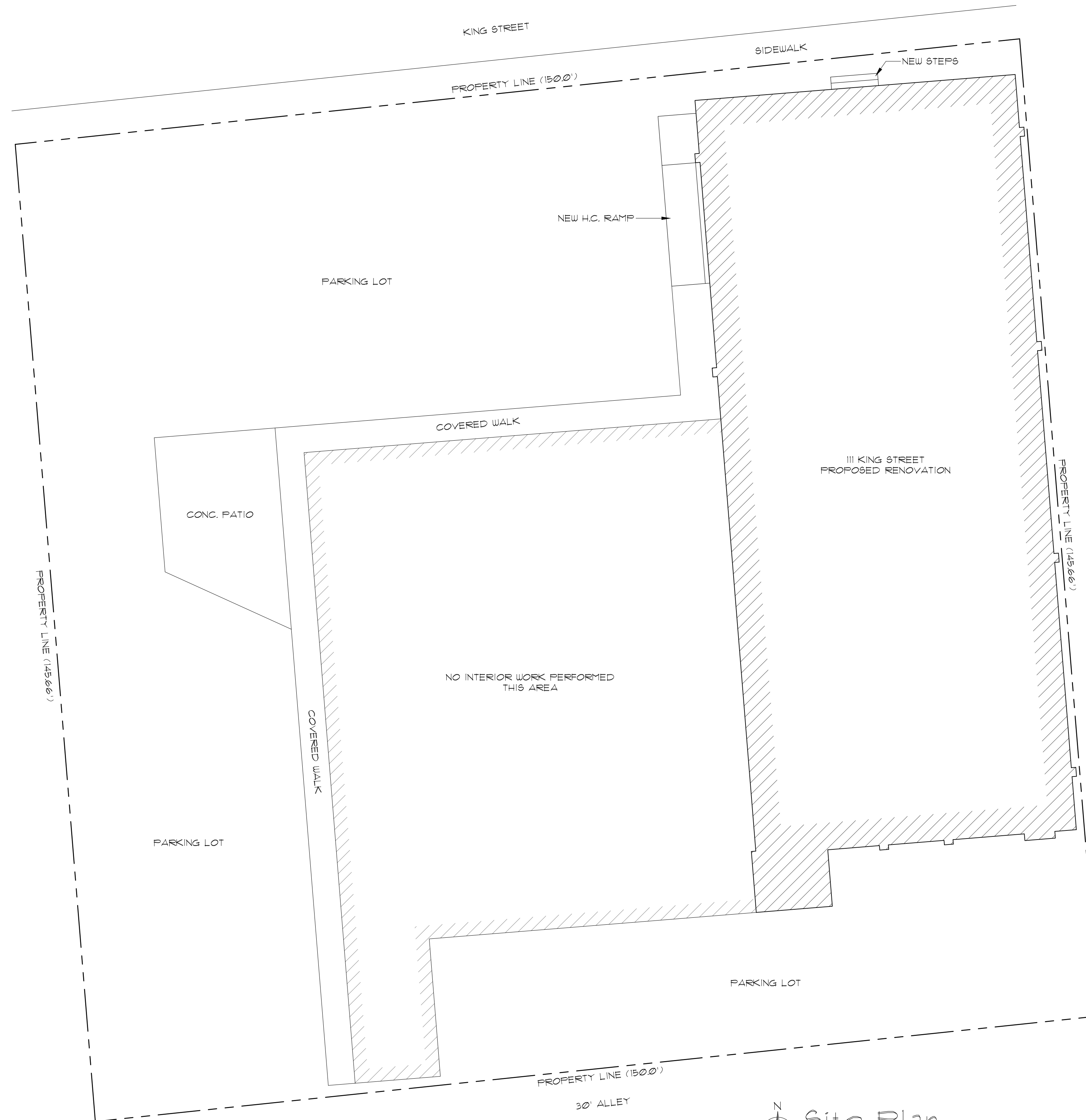
1. FOR EFFECTIVE AREAS BETWEEN THOSE GIVEN ABOVE THE LOAD MAY BE INTERPOLATED BY THE DESIGNER, OTHERWISE USE THE LOAD ASSOCIATED WITH THE LOWER EFFECTIVE AREA.
2. SEE FIGURES FOR LOCATION OF ZONES.
3. PLUS AND MINUS SIGNS SIGNIFY PRESSURE ACTING TOWARD AND AWAY FROM THE BUILDING SURFACES.

CODE ANALYSIS

THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH AND MEETS THE REQUIREMENTS OF:
 2023 FLORIDA BUILDING CODE TEST PROTOCOLS FOR HIGH VELOCITY HURRICANE ZONE, EIGHTH EDITION
 NATIONAL ELECTRICAL CODE (NEC) (2023)
 NFPA-101, LIFE SAFETY CODE (2024)
 FLORIDA FIRE PREVENTION CODE EIGHTH EDITION (2023)
 2023 FLORIDA BUILDING CODE, BUILDING, EIGHTH EDITION
 2023 FLORIDA BUILDING CODE, RESIDENTIAL, EIGHTH EDITION
 2023 FLORIDA BUILDING CODE, ACCESSIBILITY, EIGHTH EDITION
 2023 FLORIDA BUILDING CODE, ENERGY CONSERVATION, EIGHTH EDITION
 2023 FLORIDA BUILDING CODE, MECHANICAL, EIGHTH EDITION
 2023 FLORIDA BUILDING CODE, PLUMBING, EIGHTH EDITION
 2023 FLORIDA BUILDING CODE FUEL GAS, EIGHTH EDITION
 2023 FLORIDA BUILDING CODE EXISTING BUILDING, EIGHTH EDITION

FIRE NOTES:

WALL AND CEILING FINISH
 CLASS A FOR EXIT ENCLOSURES
 CLASS A or B FOR LOBBIES AND CORRIDORS
 CLASS A, B, OR C FOR ALL OTHER SPACES
 FLOOR FINISH
 EXIT AND EXIT ACCESS CORRIDOR SHALL MEET CLASS II
 ALL OTHER LOCATIONS SHALL MEET EITHER
 A) ASTM D-1859 FOR CARPET OR CARPET LIKE MATERIALS
 B) MATERIAL MUST HAVE MIN. CRITICAL RADIANT FLUX OF .1 W/CM2 FOR NON CRITICAL



INDEX OF DRAWINGS

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- A2 EXISTING FLOOR PLAN
- A3 EXISTING BUILDING ELEVATIONS
- A4 OVERALL BUILDING PLAN
- A5 PROPOSED FLOOR PLAN
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STRUCTURAL NOTES

1. DESIGN LOADS:
 - A. ROOF LIVE LOADS 16 p.s.f.
 - B. FLOOR LIVE LOADS 40 p.s.f.
 - C. WIND LOADS 130 mph (FL. BLDG. CODE 2023 8th EDITION)
2. MATERIAL
 - A. CONCRETE: DESIGN AND CONSTRUCTED PER A.C.I. 318-83
 - ITEM COMPRESSIVE STRENGTH @ 28 DAYS
 - SLAB 2500 P.S.I.
 - CMU FILLED CELLS & BEAMS 2500 P.S.I.
 - B. REINFORCING STEEL: CONFORM TO ASTM A-615 GAGE 60
 - C. STRUCTURAL STEEL: DESIGN PER CURRENT ADDITION OF A.I.S.C.
 - 1. SHAPES AND PLATES CONFORM TO ASTM A-36
 - 2. WELDING CONFORM TO "AISC D11, STRUCTURAL WELDING CODE"
 - 3. ANCHOR BOLTS AND STEEL TO WOOD SHALL CONFORM TO ASTM A-307
 - 4. WELDED CONNECTIONS NOT SHOWN ON DRAWING SHALL HAVE ALL CONTACTING STEEL SURFACES CONTINUOUS WELDED WITH SUFFICIENT WELD TO FULLY DEVELOP THE THINNER MATERIAL.
 - D. FRAMING LUMBER: SOUTHERN PINE PER NFPA, NATIONAL DESIGN SPECS. FOR WOOD CONSTRUCTION.
 - 1. SAWN LUMBER 2x4 THRU 2x12 SHALL BE SOUTHERN PINE NO. 2 @ 19% M.C.
 - 2. INTERIOR WALL STUDS SHALL BE SPRUCE-PINE-FIR NO.2
 - 3. LVL BEAMS SHALL BE SOUTHERN PINE Fb+2400 P.S.I.
 - 4. SAWN LUMBER 4x4 AND LARGER SHALL BE SOUTHERN PINE NO. 1 @ 19% M.C.
 - E. WOOD FLOOR & ROOF TRUSSES: DESIGN BY THE MANUFACTURER TO SUPPORT DEAD, WIND AND LIVE LOADS.
 - 1. MANUFACTURE SHALL SUBMIT ERECTION DRAWINGS FOR REVIEW BEFORE FABRICATING TRUSSES.
 - 2. ERECTION DRAWINGS SHALL SHOW ALL LATERAL AND DIAGONAL BRACING AS REQUIRED IN THE TRUSS SYSTEM.
 - 3. TRUSS TO TRUSS CONNECTIONS SHALL BE DESIGNED BY THE MANUFACTURER.
 - F. PLYWOOD ROOF AND WALL SHEATHING:
 - CONFORM TO THE AMERICAN PLYWOOD ASSOC. STANDARDS AND SHALL BE AF C-D INT. WITH EXTERIOR GLUE (CDX) MIN.
 - G. CONCRETE MASONRY UNITS: CONFORM TO ASTM C-90. MORTAR SHALL BE TYPE M OR S.
 - H. WOOD FRAMING ANCHORS AND HURRICANE TIE CLIPS SHALL BE "GO-BOLTS" OR EQUAL.
4. CONCRETE MASONRY UNITS:
 - A. ALL CMU SHALL HAVE #5 BAR VERTICAL WITH CELL FILLED WITH CONCRETE AS SHOWN ON DRAWINGS.
 - B. ALL CMU SHALL HAVE HORIZONTAL JOINT REINFORCING SPACED 16" O.C. VERTICAL. REINFORCING SHALL BE FABRICATED FROM 9 GAUGE GALVANIZED WIRE.
 - C. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMP. BRACING UNTIL THE ENTIRE STRUCTURE IS PLUMB AND SECURED IN PLACE.
6. SHEATHING NAILING:
 - A. ROOF SHEATHING SHALL BE NAILED AS FOLLOWS:
 - 8d RING SHANK NAILS
 - 8d NAILS @ 6" O.C. AT PANEL EDGES.
 - 8d NAILS @ 9" O.C. AT ALL INTERMEDIATE SUPPORTS.
 - 8d NAILS @ 4" O.C. AT ALL SUPPORTS WITHIN 4'-0" OF EDGES.
 - B. PORCH CEILING OR SUB CEILING WITH RING SHANK NAILS:
 - 8d NAILS @ 4" O.C. AT PANEL EDGES.
 - 8d NAILS @ 8" O.C. AT ALL INTERMEDIATE SUPPORTS.
 - C. ALL EXTERIOR WALLS BETWEEN OPENINGS AND AT CORNERS SHALL BE SHEAR WALL SEGMENTS. PLY-WOOD NAILING TO BE: 8d NAILS @ 6" O.C. EACH SHEAR WALL SEGMENT SHOULD HAVE 1/2 Ø THREADED ROD WITHIN 8" OF SHEAR WALL.
 - 7. CMU WALL OPENING HEADS, JAMBS, AND WINDOW SILLIS SHALL BE 2x6 MIN. FT. WITH 1/4" DIA. x 3 1/4" LONG "TAPCONS" @ 18" O.C.
 - 8. ALL EXTERIOR WINDOWS AND DOORS SHALL MEET 130 M.P.H. WIND SPEED. WIND BORNE DEBRIS PROTECTION REQUIRED: IMPACT RESISTANT WINDOWS OR SHUTTERS BY ARCHITECT OR CONTRACTOR.

Hamblen Plaza

Building Renovation

111 King Street
 Saint Augustine, Florida 32084

LES THOMAS
 ARCHITECT
 32 CORDOVA ST., ST. AUGUSTINE, FLORIDA 824-9508

BUILDING RENOVATION
HAMBLIN PLAZA
 111 KING STREET, ST AUGUSTINE, FLORIDA 32084

Date: 7.2.24

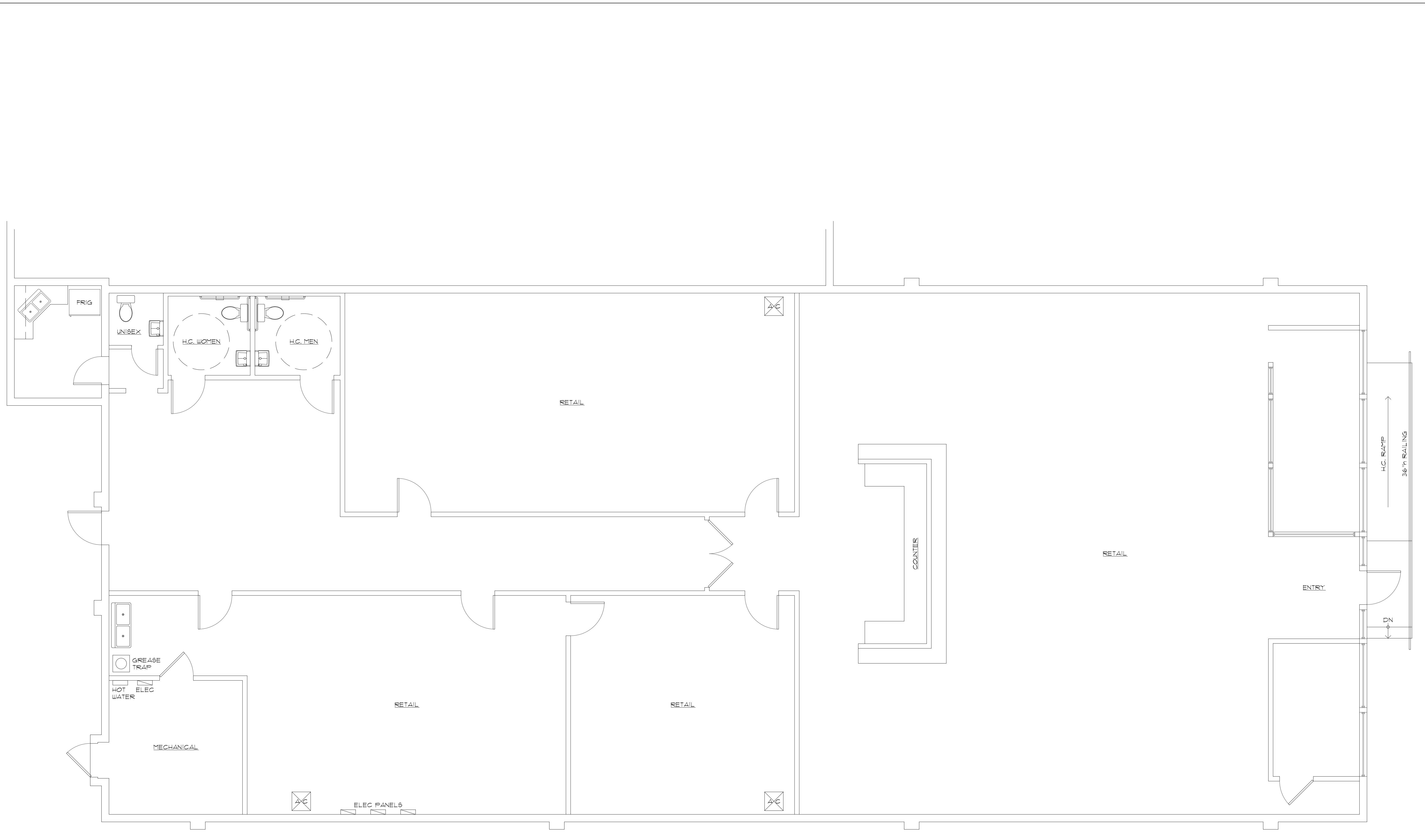
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SHEET

A1



Existing Floor Plan
 1/4" = 1'-0"

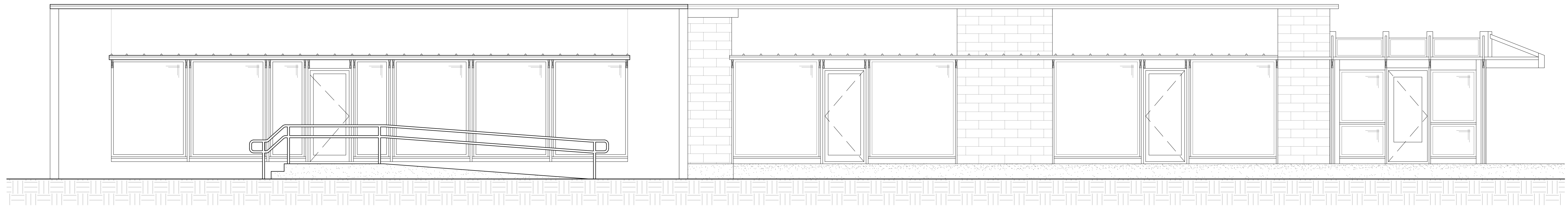
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 ARCHITECT
 32 CORDOVA ST., ST. AUGUSTINE, FLORIDA 824-9508

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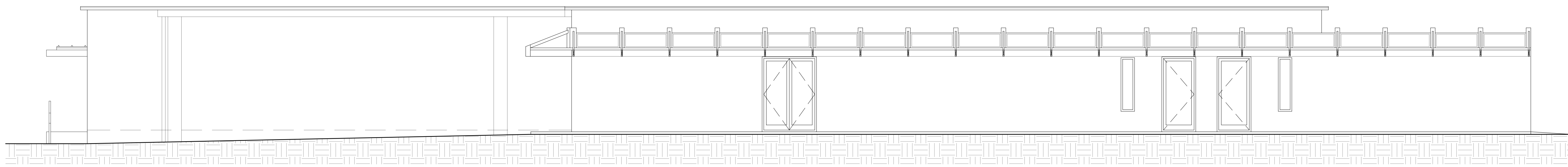
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SHEET
 A2

NOTE:
ELEVATION DRAWINGS ARE INTENDED
FOR DESIGN PURPOSES ONLY.
CONTRACTOR/BUILDER
SHALL FIELD VERIFY
ALL DIMENSIONS AND CONDITIONS
PRIOR TO CONSTRUCTION.



Existing North Elevation
1/4" = 1'-0"



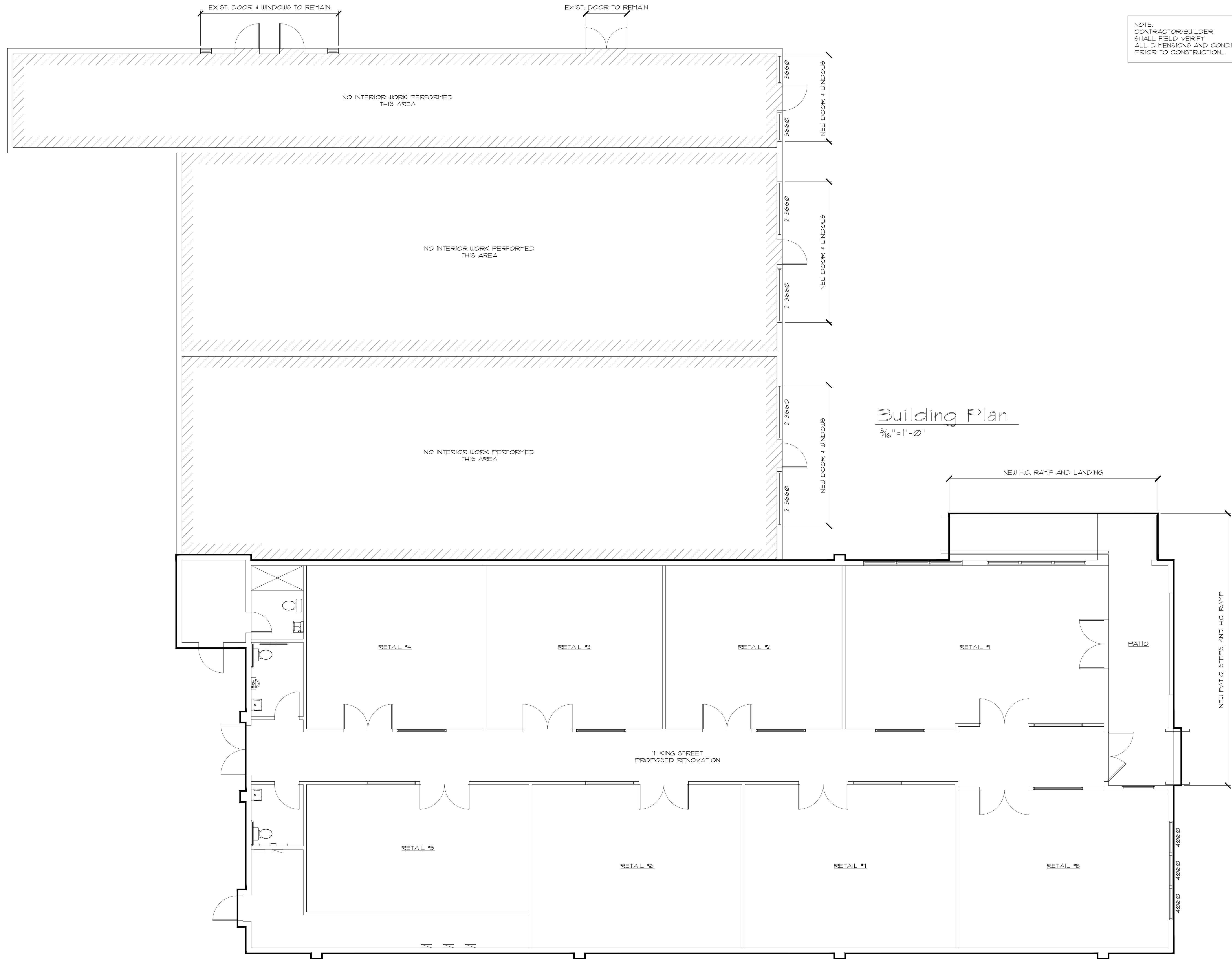
Existing West Elevation
3/16" = 1'-0"

LES THOMAS
ARCHITECT
32 CORDOVA ST., ST. AUGUSTINE, FLORIDA 824-9508

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SHEET
A3



NOTE:
 CONTRACTOR/BUILDER
 SHALL FIELD VERIFY
 ALL DIMENSIONS AND CONDITIONS
 PRIOR TO CONSTRUCTION.

Building Plan
 3/16" = 1'-0"

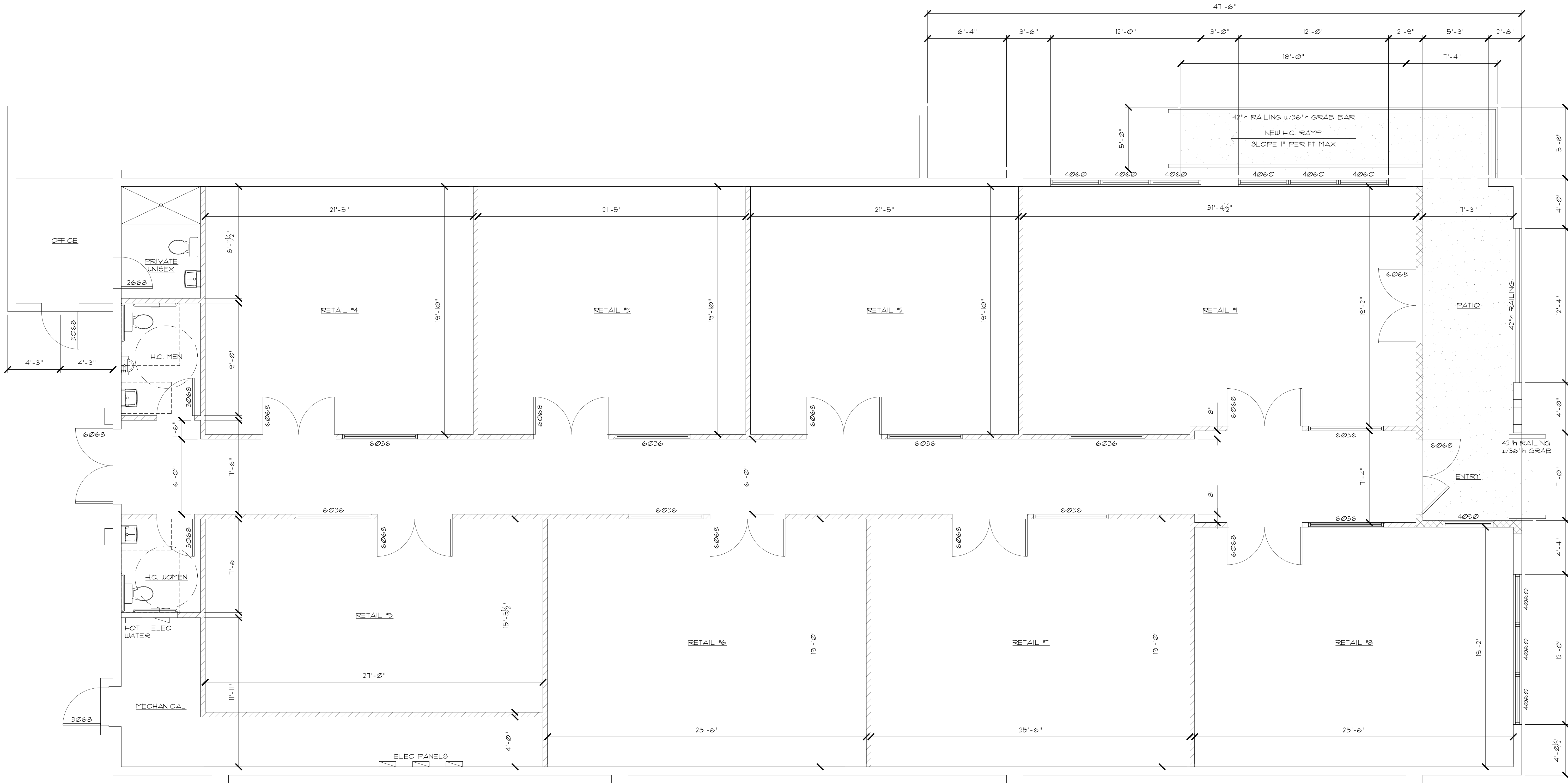
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 ARCHITECT
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 Drawn: MURPHY
 File: 111 KING

SHEET
 A4

NOTE:
 CONTRACTOR/BUILDER
 SHALL FIELD VERIFY
 ALL DIMENSIONS AND CONDITIONS
 PRIOR TO CONSTRUCTION.



Proposed Floor Plan

1/4" = 1'-0"

- LEGEND
- EXISTING WALL TO REMAIN
 - NEW INTERIOR WALL
2x4 STUDS @ 16" O.C. (2x6 WET)
1/2" GYP BOARD COND. SIDES
 - NEW EXTERIOR WALL
2x6 STUDS @ 16" O.C.
1/2" GYP BOARD COND. SIDES
 - NEW CMU WALL
TO MATCH EXISTING

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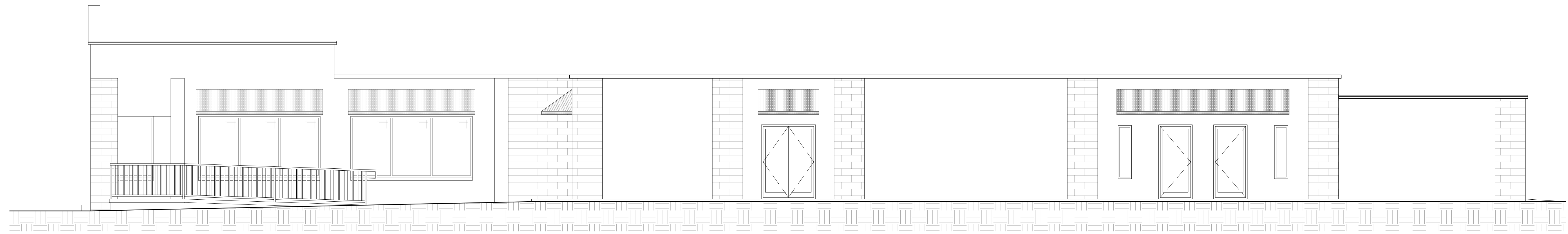
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SHEET
 A5

NOTE:
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Proposed North Elevation
1/4" = 1'-0"



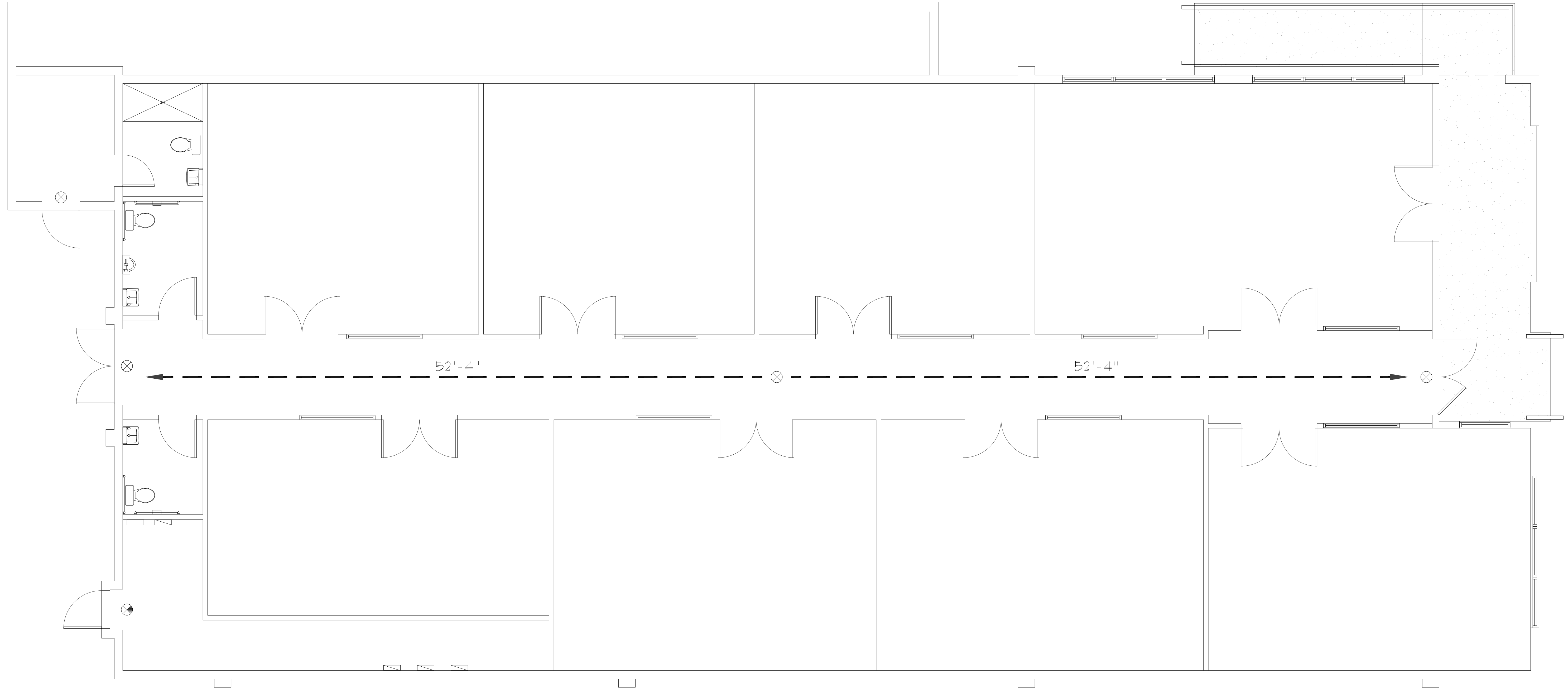
Proposed West Elevation
3/16" = 1'-0"

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ARCHITECT
32 CORDOVA ST., ST. AUGUSTINE, FLORIDA 824-9508

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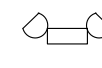


SHEET
A6



Life Safety Plan

1/4" = 1'-0"

LEGEND

- 
 EMERGENCY LIGHTING
w/BATTERY BACK UP
- 
 DIRECTIONAL EXIT LIGHT
w/BATTERY BACK UP
- 
 FIRE EXTINGUISHER
PER NFPA 101 CH. 38.3.3

LES THOMAS
A R C H I T E C T
32 CORDOVA ST., ST. AUGUSTINE, FLORIDA 824-9508

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SHEET
A7