

Renovations at 7731 4th Place Escondido, CA 92029

PROJECT INFO

PROJECT ADDRESS	7731 4TH PL ESCONDIDO, CA 92029
PROPERTY OWNER	DAVID WILLIAMS
ASSESSOR'S PARCEL NUMBER	6229-033-004
LOT(S)	5
BLOCK	N/A
TRACT	TR 18893
TYPE OF CONSTRUCTION	V-5
LOT AREA	10, 200 SF
EXISTING FLOOR AREA	2,690

Storm Water Pollution Control Requirements for Construction Activities Minimum Water Quality Protection Requirements for All Development Construction Projects/Certification Statement

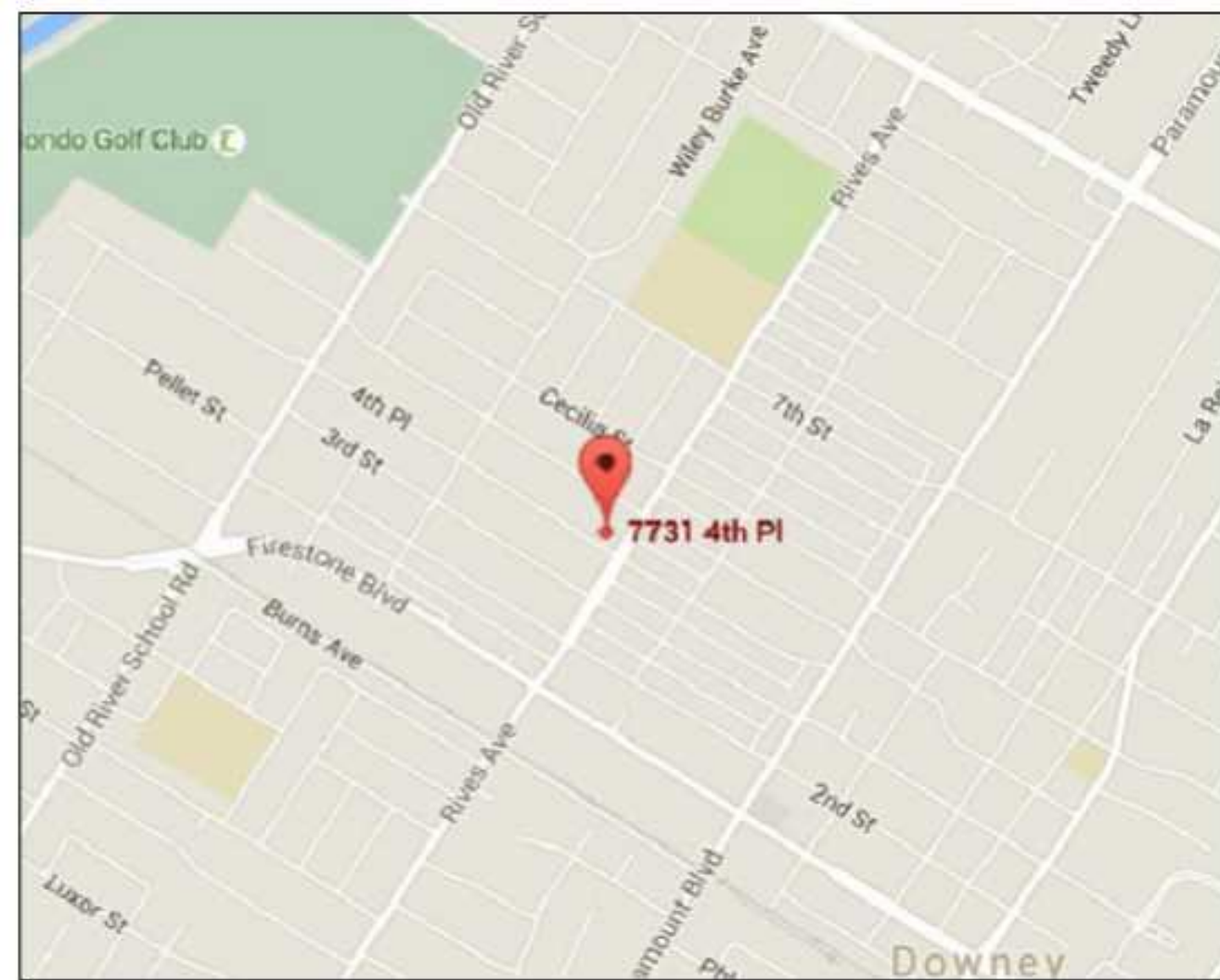
The following is intended as an attachment for construction and grading plans and represent the minimum standards of good housekeeping which must be implemented on all construction sites regardless of size.

- ☐ Eroded sediments and other pollutants must be retained on site and may not be transported from the site via sheetflow, swales, area drains, natural drainage courses or wind.
- ☐ Stockpiles of earth and other construction related materials must be protected from being transported from the site by the forces of wind or water.
- ☐ Fuels, oils, solvents and other toxic materials must be stored in accordance with their listing and are not to contaminate the soil and surface waters. All approved storage containers are to be protected from the weather. Spills must be cleaned up immediately and disposed of in a proper manner. Spills may not be washed into the drainage system.
- ☐ Non-storm water runoff from equipment and vehicle washing and any other activity shall be contained at the project site.
- ☐ Excess or waste concrete may not be washed into the public right of way or any other drainage system. Provisions shall be made to retain concrete wastes on site until they can be disposed of as solid waste.
- ☐ Trash and construction related solid wastes must be deposited into a covered receptacle to prevent contamination of rainwater and dispersal by wind.
- ☐ Sediments and other materials may not be tracked from the site by vehicle traffic. The construction entrance roadways must be stabilized so as to inhibit sediments from being deposited into the public way. Accidental depositions must be swept up immediately and may not be washed down by rain or other means.
- ☐ Any slopes with disturbed soils or denuded of vegetation must be stabilized so as to inhibit erosion by wind and water.
- ☐ Other _____

As the project owner or authorized agent of the owner, I have read and understand the requirements listed above, necessary to control storm water pollution from sediments, erosion, and construction materials, and I certify that I will comply with these requirements.

Print Name _____
(Owner or authorized agent of the owner)

Signature _____ Date _____
(Owner or authorized agent of the owner)



VICINITY



AERIAL PHOTO

SHEET INDEX

SHEET NO.	SHEET NAME
So.0	TITLE SHEET
So.1	GENERAL NOTES
So.2	GENERAL NOTES
So.3	MISC. ENERGY CONSERVATION NOTES
So.4	GREEN BUILDING NOTES
S1.0	SITE PLAN
S1.1	EXISTING FLOORPLAN
S1.2	PROPOSED FLOORPLAN
S1.3	ELEV/SECTIONS/WINDOW & DOOR SCHDL
S1.4	ELEVATIONS/SECTIONS
E	ELECTRICAL PLAN
P	PLUMBING PLAN

PROJECT SCOPE

MASTER BATHROOM REMODEL- NEW BATHROOM & CLOSET 156 SQ. FT.
DEMO EXISTING WINDOWS
TWO WINDOWS TO BE REPLACED- BOTH SMALLER THAN EXISTING:
ONE 4'-0" X 1'-0" WINDOW & ONE 1'-6" X 2'-6" WINDOW AS SHOWN (SEE S1.3)
FRAME WALLS AS SHOWN
ELECTRICAL AND PLUMBING PER PLAN
INSTALL APPROXIMATELY 88 SQUARE FEET OF FLOOR TILE
INSTALL APPROXIMATELY 144 SQUARE FEET OF WALL TILE
INSTALL APPROXIMATELY 5.5 LINEAL FEET CABINETS (DOORSTYLE AND COLOR TBD)
INSTALL APPROXIMATELY 11 SQUARE FEET OF COUNTERTOP (STYLE & COLOR TBD)
INSTALL APPROXIMATELY 41 SQUARE FEET OF 1/2" CLEAR FRAMELESS GLASS SHOWER DOOR
INSTALL APPROXIMATELY 15 SQUARE FEET 1/4" CLEAR MIRROR

BUILDING CODES AND STANDARDS

CODES:
THIS PROJECT SHALL COMPLY WITH 2013
CALIFORNIA CODE (CBC), TABLE (T), 2013
CALIFORNIA PLUMBING CODE (CPC), 2013
CALIFORNIA ELECTRICAL CODE (CPC), 2013
CALIFORNIA FIRE CODE (CPC), 2013
RESIDENTIAL CODE (CRC)
THE 2013 CALIFORNIA MECHANICAL CODE (CMC)
THE 2013 CALIFORNIA ENERGY CODE
THE 2013 CALIFORNIA GREEN BUILDING STANDARDS



REVISIONS	DATE	BY	DESCRIPTION
1	10/15/2024	Kevin O'Connor	Initial Design
2			
3			
4			
5			
6			
7			

PREPARED BY:

Kevin O'Connor CKD, CBD, CID

DAVID WILLIAMS
7731 4TH PLACE ESCONDIDO, CA 92029
OWNER PHONE NUMBER: 562.782.7087

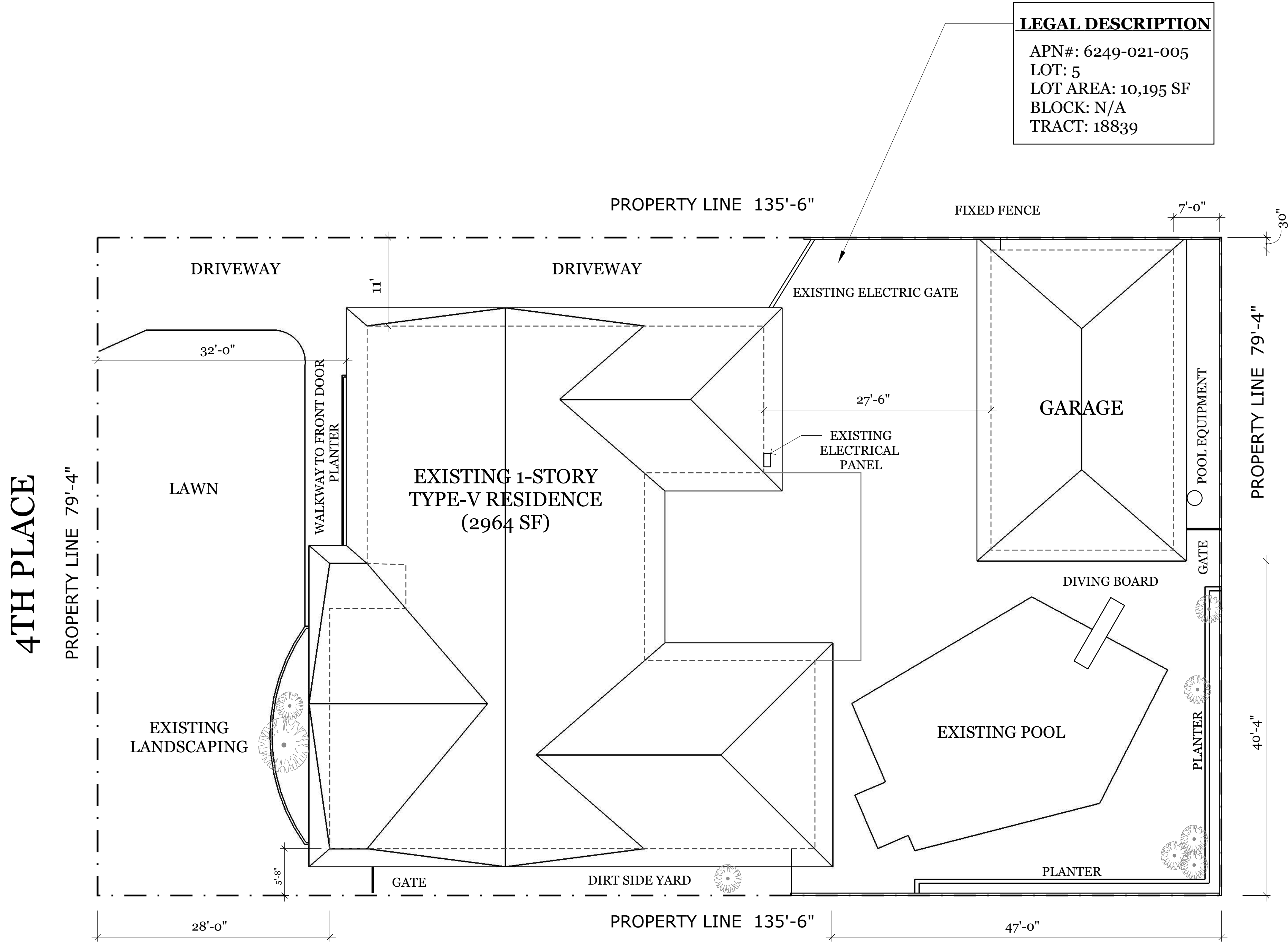
Kevin O'Connor Design
CKD, CBD, CID Certified Kitchen, Bath & Interior Designer
30724 Benton Rd. Suite C #572 Winchester, CA 92596 918.400.2124
kevinconnordesign@gmail.com



SCALE AS SHOWN
SHEET: 1

So.0
1 OF 12 SHEETS

SITE PLAN



LEGAL DESCRIPTION
APN#: 6249-021-005
LOT: 5
LOT AREA: 10,195 SF
BLOCK: N/A
TRACT: 18839



SITE PLAN
SCALE: 1/8"=1'-0"

THE DISCHARGE OF POLLUTANTS TO ANY STORM DRAINAGE SYSTEM IS PROHIBITED. NO SOLID WASTE,PERTROLEUM BY-PRODUCTS, SOIL PARTICULATE, CONSTRUCTION WASTE MATERIALS, OR WASTE WATER GENERATED ON CONSTRUCTION SITES OR BY CONSTRUCTION ACTIVITIES SHALL BE PLACED, CONVEYED OR DISCHARGED INTO THE STREET, GUTTER OR STORM DRAIN SYSTEM.

THE EXISTING BUILDING IS NOT PROTECTED BY AN AUTOMATIC SPRINKLER SYSTEM.



REVISIONS	
1	ADDED 5' FOOT WALKWAY TO DRIVE
2	
3	
4	
5	
6	
7	

PREPARED BY:
Kevin O'Connor
Kevin O'Connor CKD, CBD, CID

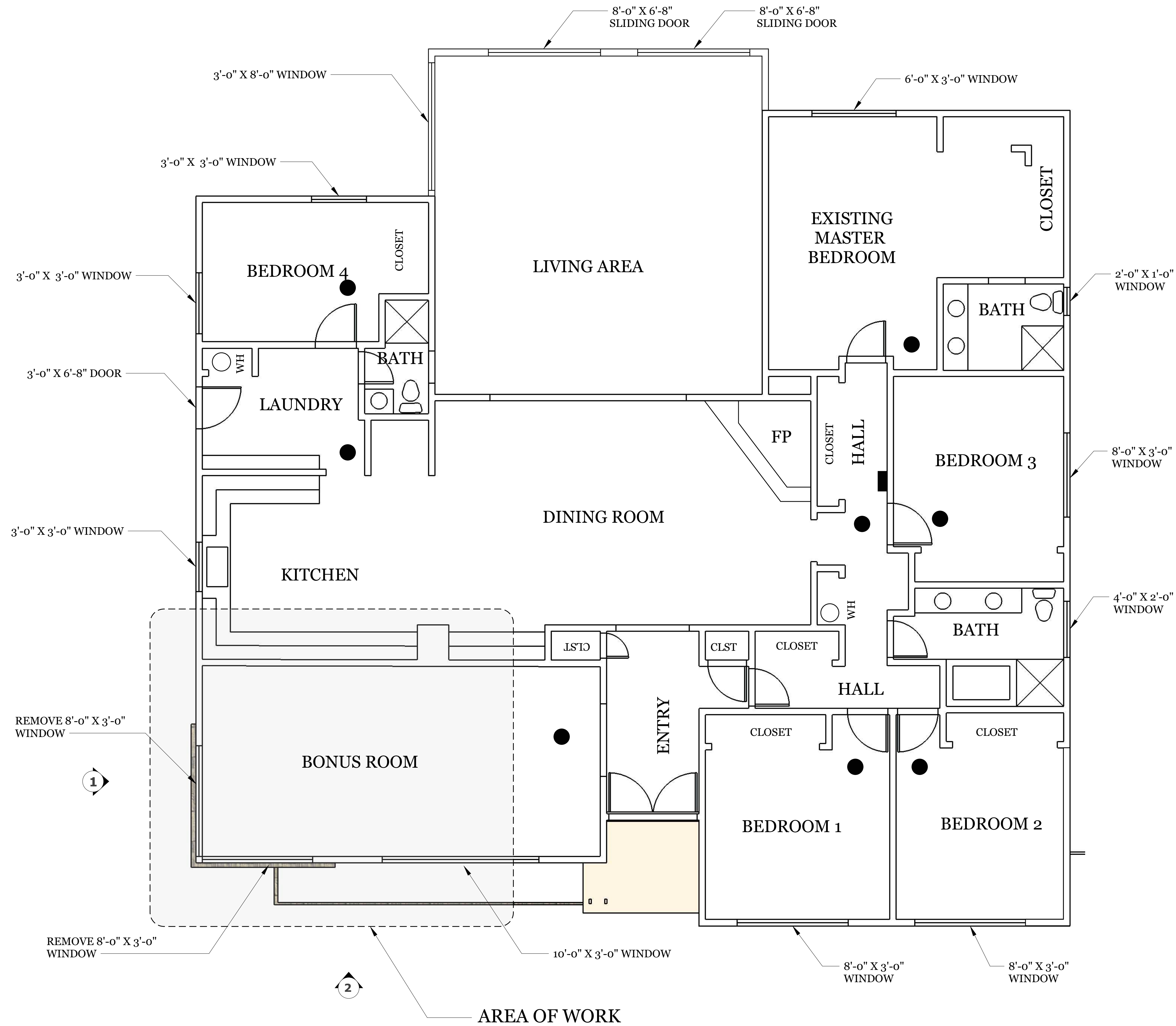
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SCALE AS SHOWN
SHEET: 7

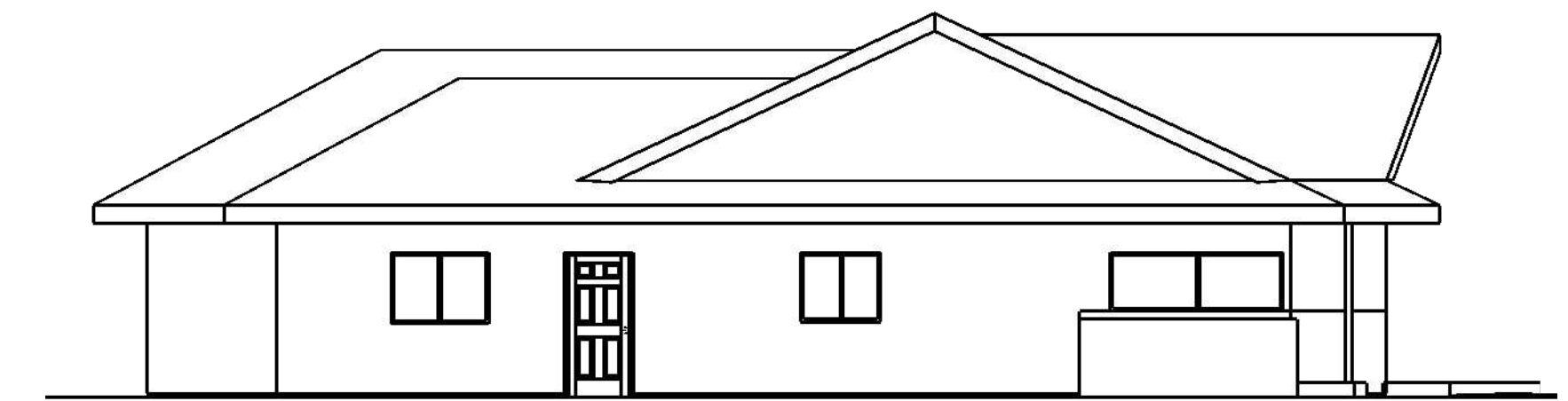
EXISTING FLOORPLAN



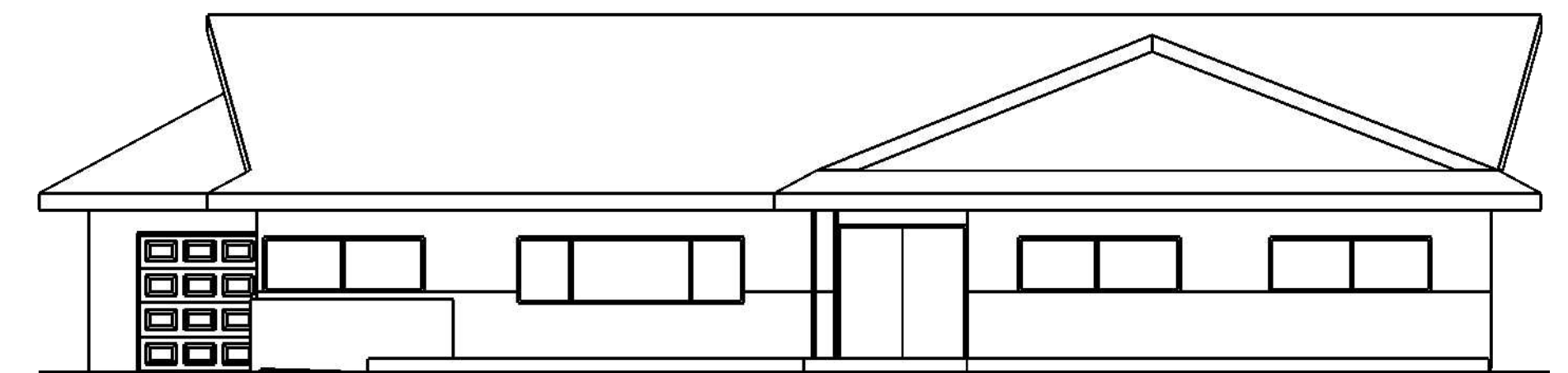
● EXISTING SMOKE DETECTORS
■ EXISTING CARBON MONOXIDE DETECTOR

THE EXISTING BUILDING IS NOT PROTECTED BY AN AUTOMATIC SPRINKLER SYSTEM.

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




ELEVATION
scale: 1/8"=1'-0"



ELEVATION
scale: $1/8" = 1'-0"$



		AUGUST 5, 2016
	1	DECEMBER 16, 2016
	2	
	3	
	4	
	5	
	6	
	7	


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SCALE AS SHOWN

SHEET: 8

S1.1

7 OF 12 SHEETS

PROPOSED FLOORPLAN

NOTES

1. ALL DIMENSIONS ARE APPROXIMATE AND NEED TO BE FIELD VERIFIED BY THE CONTRACTOR.
2. NOTIFY OF ANY DISCREPANCIES BETWEEN THE PLANS AND THE FIELD CONDITIONS.
3. CONTRACTOR TO TAKE NECESSARY MEASURES TO MAINTAIN STRUCTURAL STABILITY BEFORE ANY DEMOLITION.

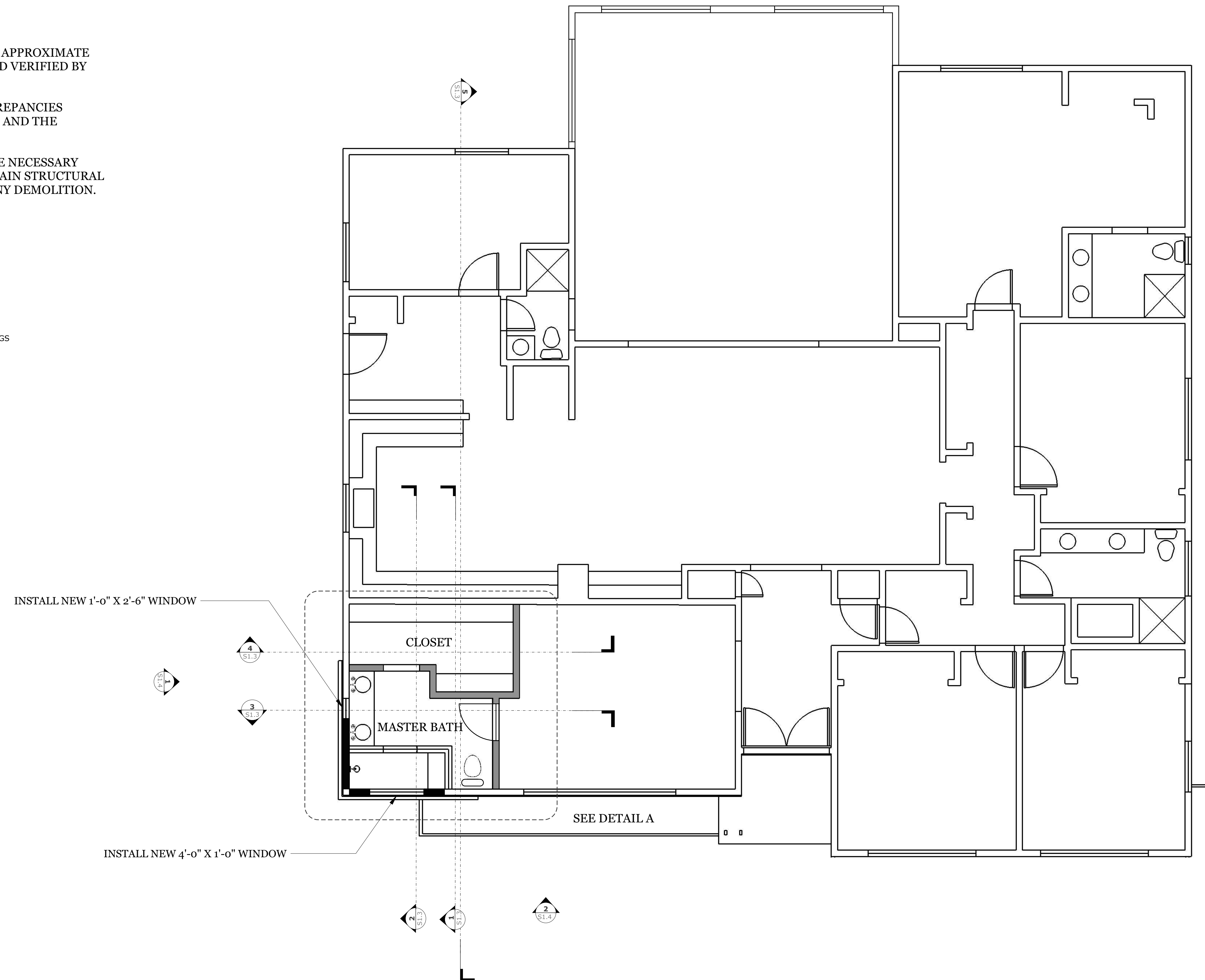
CONSTRUCTION PLAN

LEGEND

☐ EXISTING WALLS

 NEW WALLS

EXISTING OPENINGS
TO BE FILED



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



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Kevin O'Connor CKD, CBI

[illegible]

ELEVATIONS/SECTIONS

CONSTRUCTION PLAN
LEGEND

- EXISTING WALLS
- NEW WALLS
- EXISTING OPENINGS
TO BE FILED

WINDOWS AND DOORS

- 1

1'-6" X 3'-0" WINDOW
- 2

4'-0" X 1'-0" WINDOW
- A

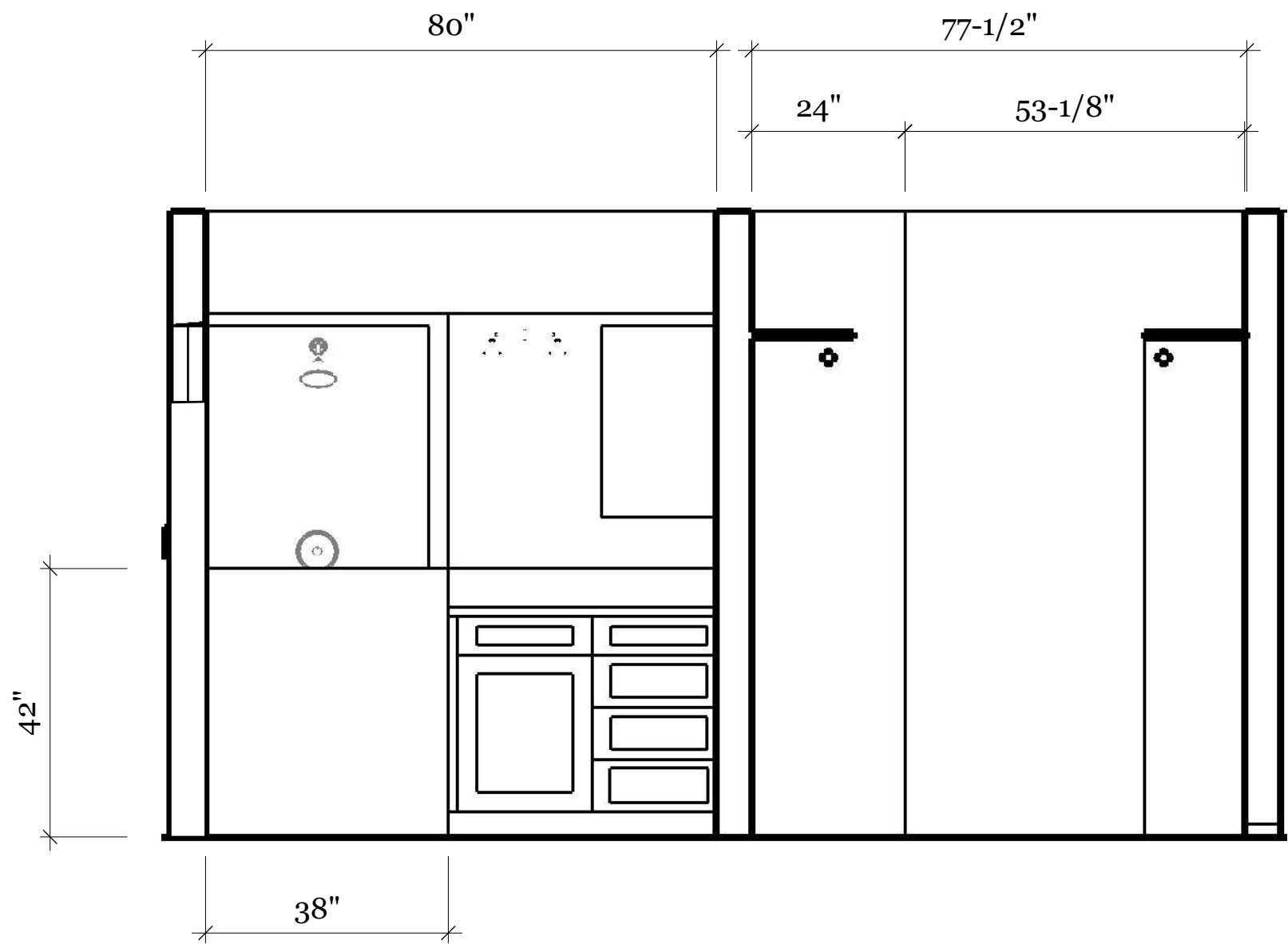
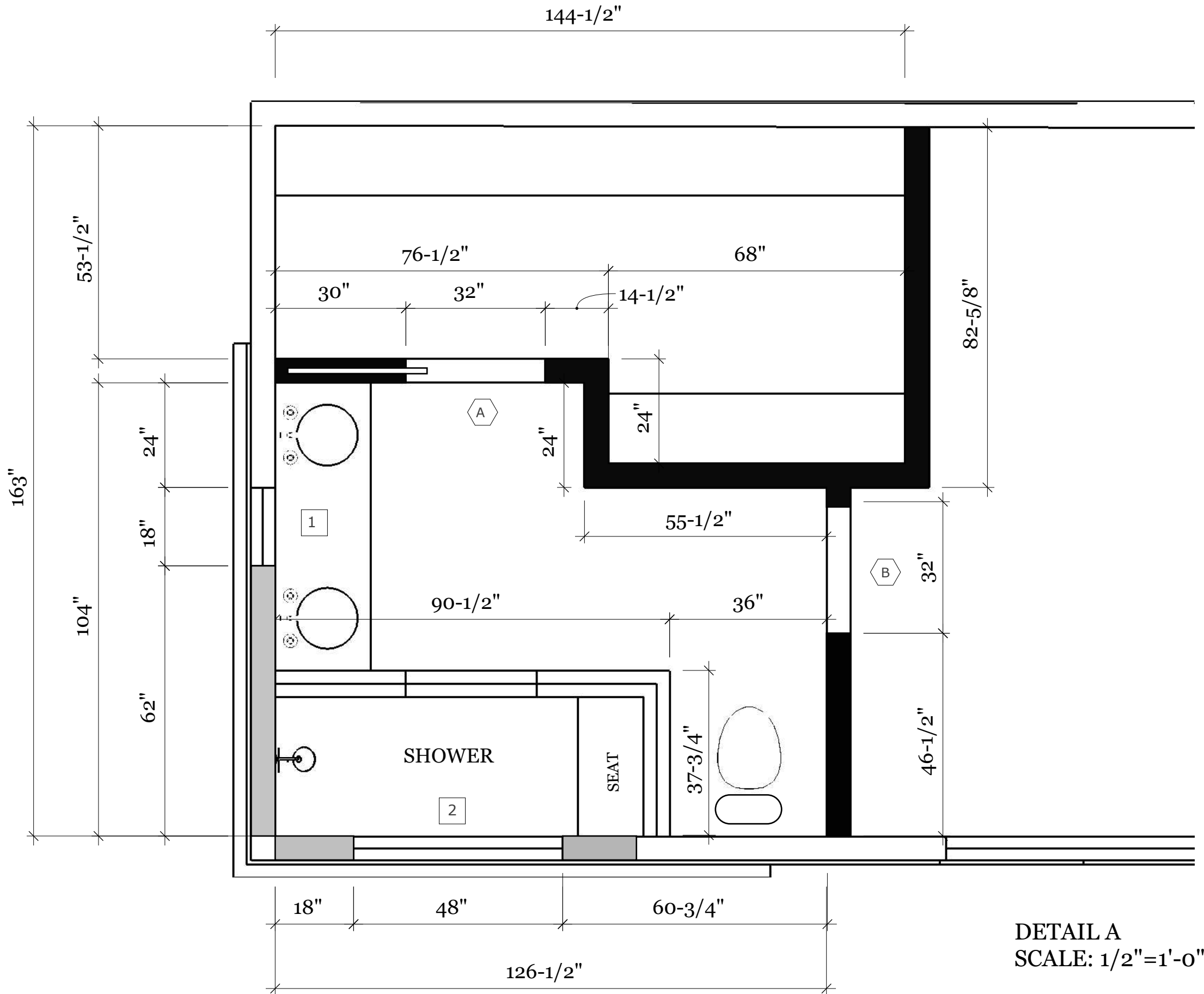
32" POCKET DOOR
- B

32" HINGED DOOR
(TO MATCH EXISTING)

INSULATION:
WALLS = R-13
CEILINGS= R-30
FLOORS=R-19
EXTERIOR:
TWO LAYERS OF GRADE D PAPER
OVER ALL
WOOD BASE SHEATHING.
WALL COVERING= STUCCO
(TEXTURE AND COLOR TO MATCH
EXISTING HOUSE)

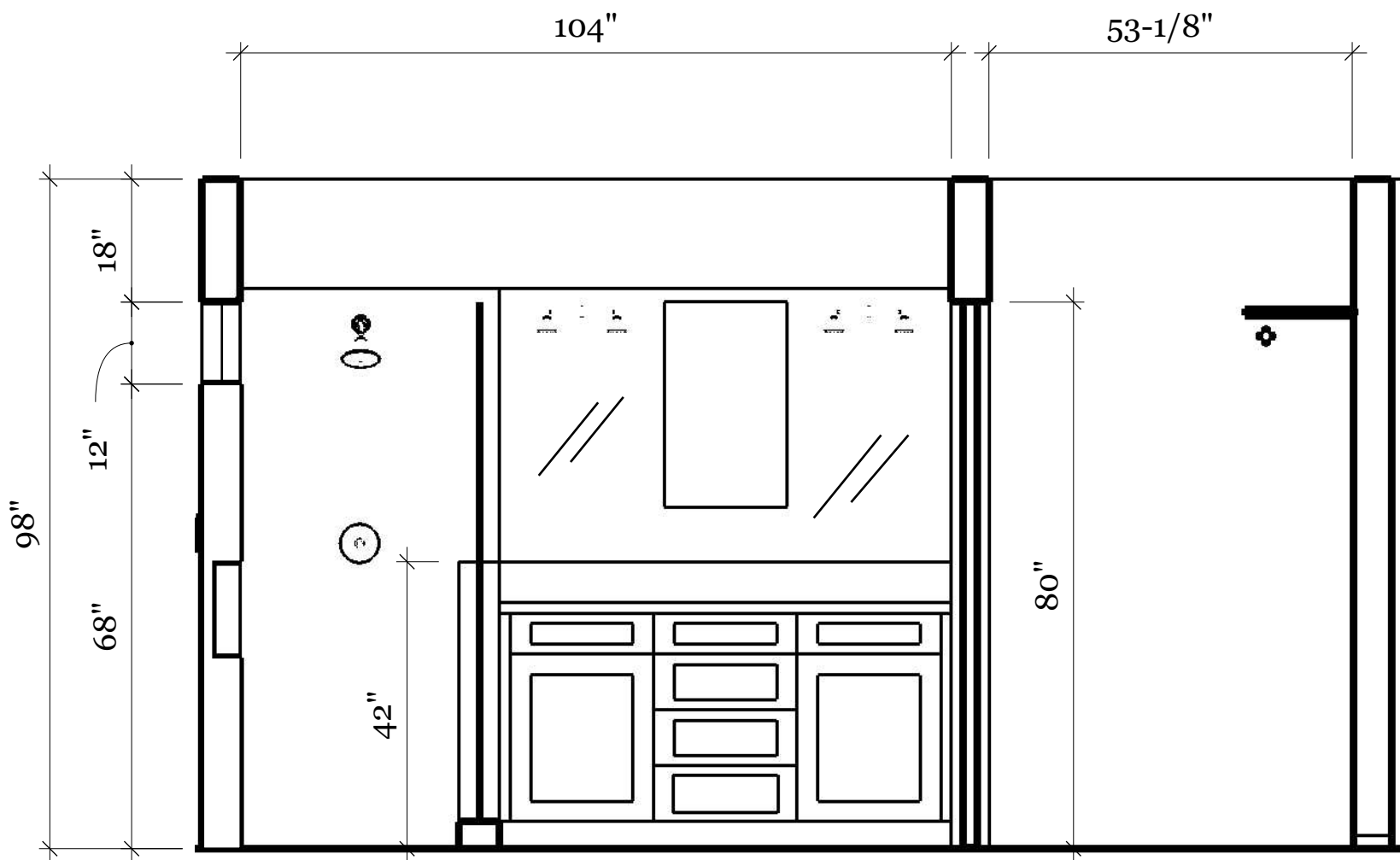
MAXIMUM FLOW RATES SET BY
THE
CALIFORNIA ENERGY
COMMISSION:

- A. WATER CLOSETS 1.6 GPM
- B. SHOWER HEADS 2.5 GPM
- C. LAUNDRY FAUCETS 2.2 GPM
- D. SINK FAUCETS 2.5 GPM



SECTION
scale: 1/2"=1'

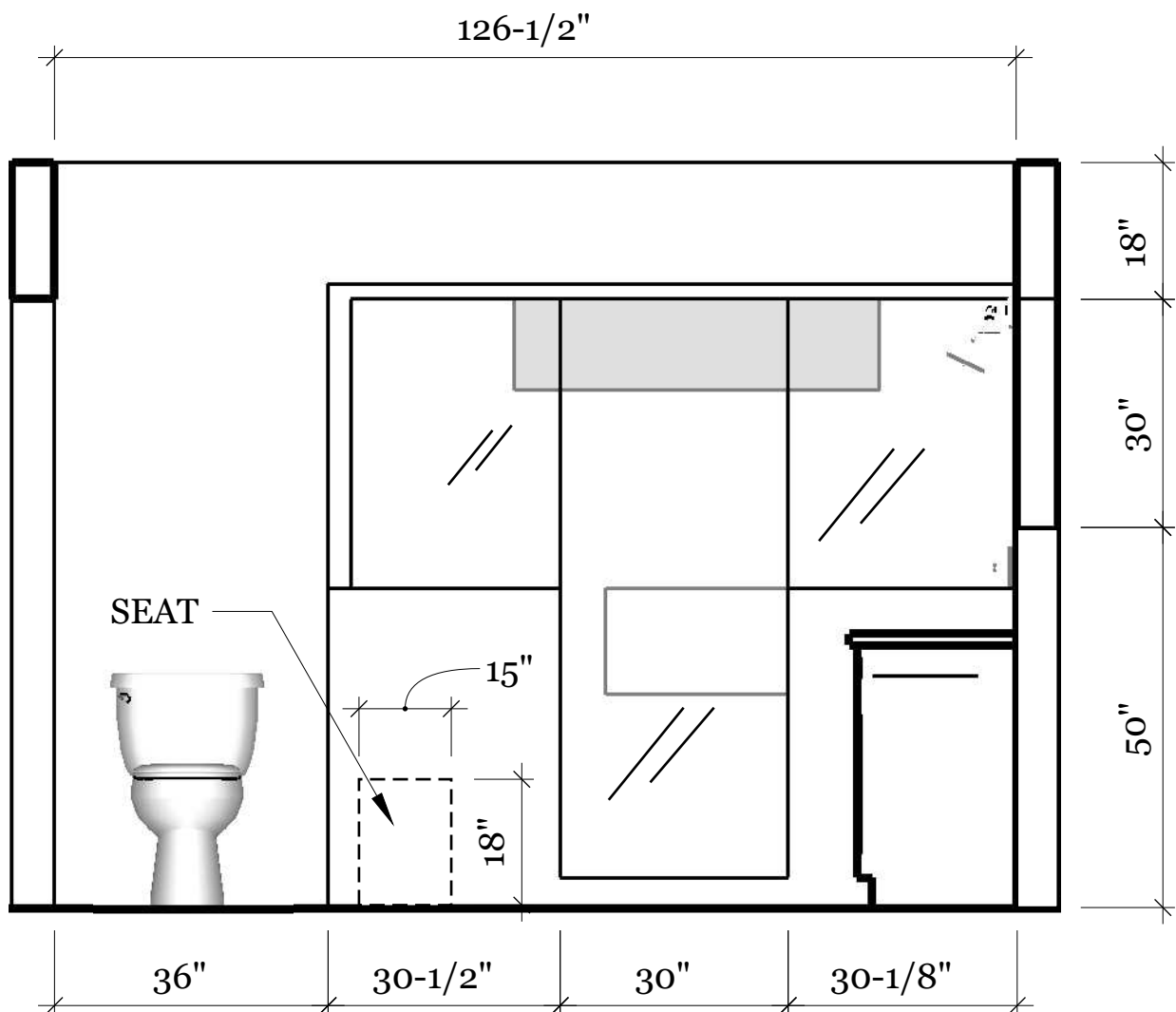
1



SECTION

scale: 1/2"=1'

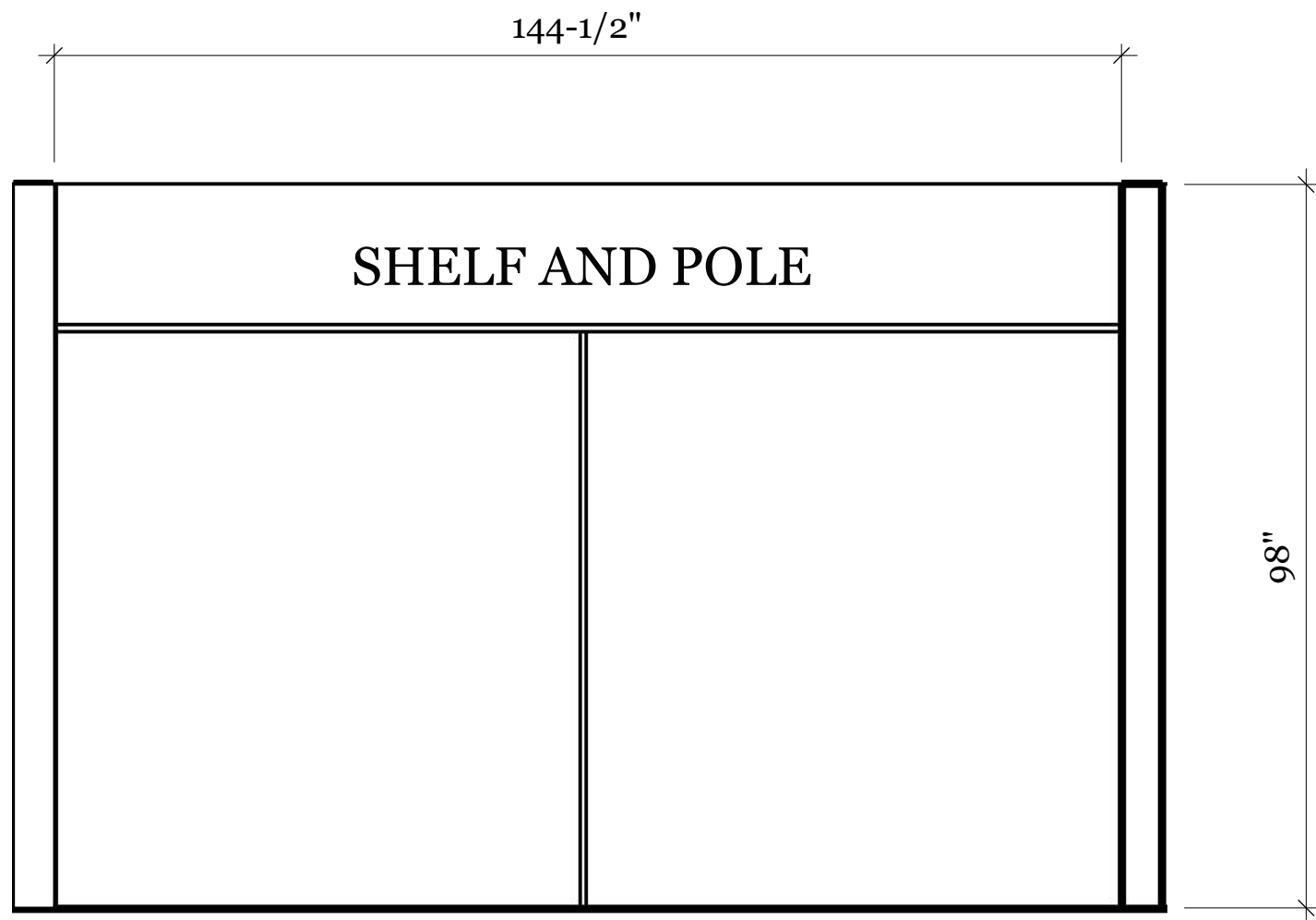
2



SECTION

scale: 1/2"=1'

3



SECTION

scale: 1/2"=1'

4

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



REVISIONS						
1	ADDITIONAL NOTES					
2	REVISIONS					
3						
4						
5						
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7						

PREPARED BY:
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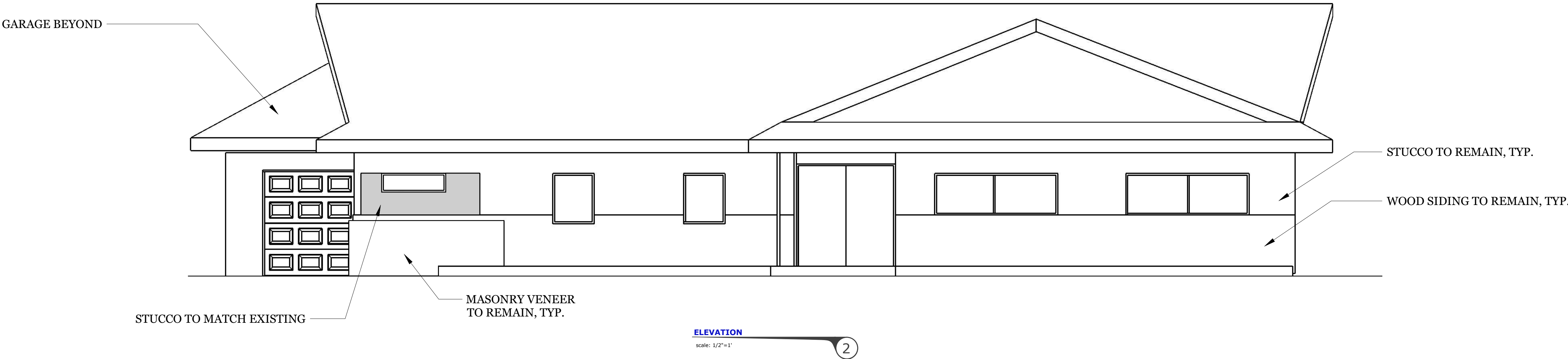
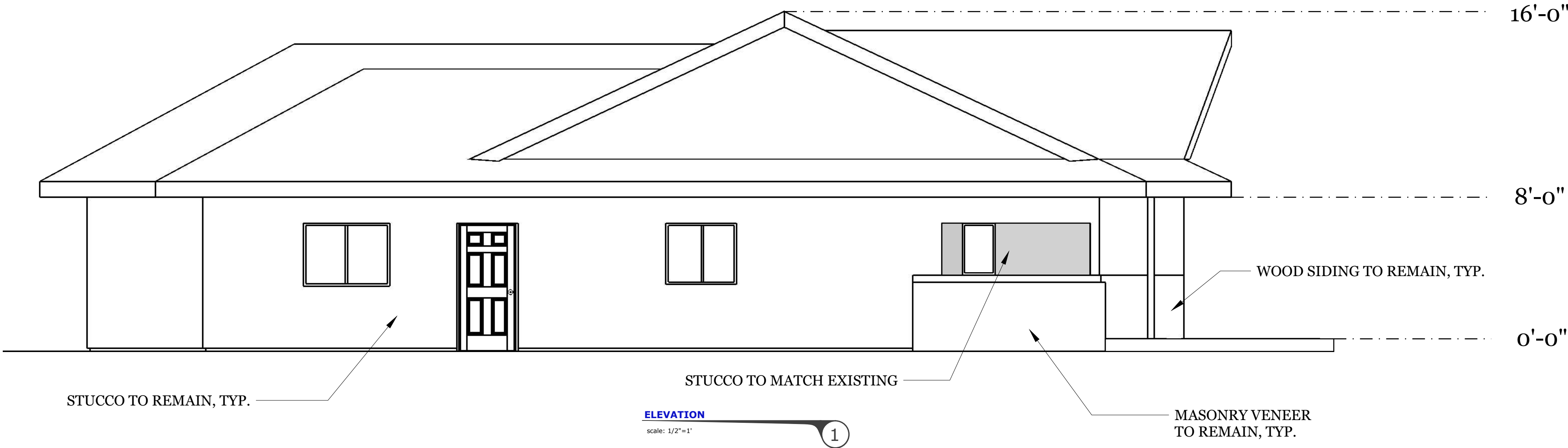
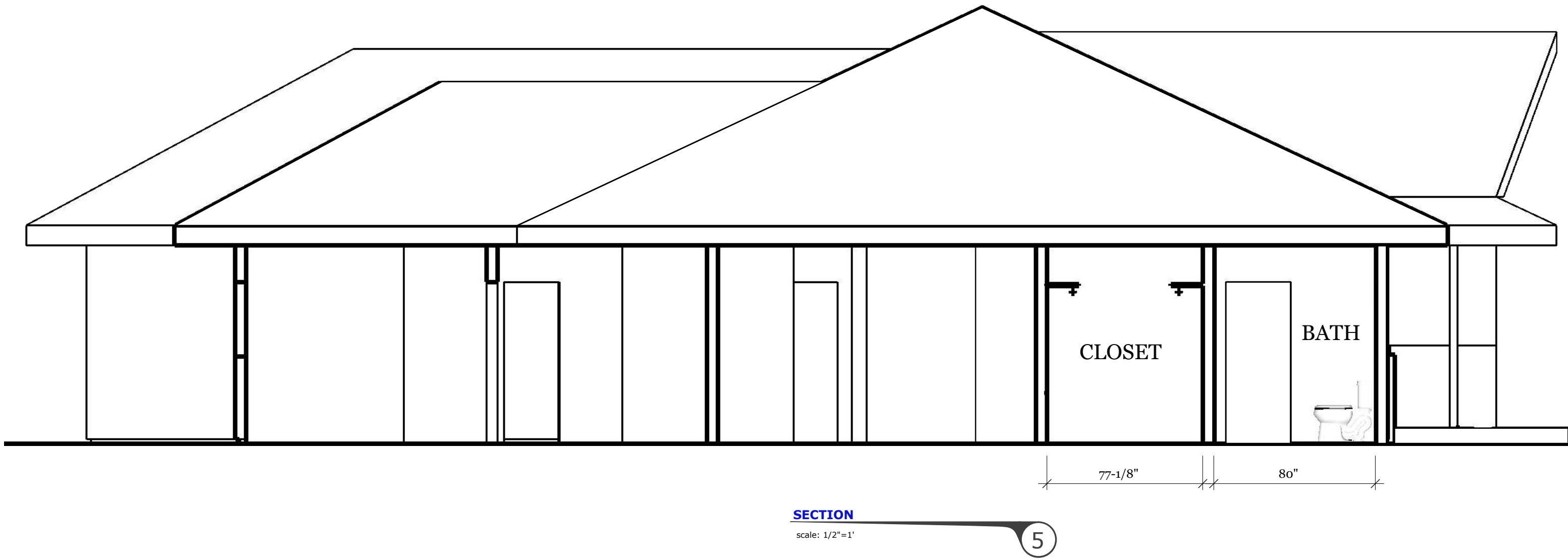
SCALE AS SHOWN
SHEET: 10

S1.3
9 OF 12 SHEETS

ELEVATIONS/SECTIONS

NOTES

- 1. ALL DIMENSIONS ARE APPROXIMATE AND NEED TO BE FIELD VERIFIED BY THE CONTRACTOR.
- 2. NOTIFY OF ANY DESCREANCIES BETWEEN THE PLANS AND THE FIELD CONDITIONS.
- 3. CONTRACTOR TO TAKE NECESSARY MEASURES TO MAINTAIN STRUCTURAL STABILITY BEFORE ANY DEMOLITION.



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



REVISIONS	
NO.	DESCRIPTION
1	ADDED 5' FOOT
2	RECORDED IN 2015
3	
4	
5	
6	
7	

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SCALE AS SHOWN
SHEET: 11

ELECTRICAL PLAN

ELECTRICAL PLAN
LEGEND

- RECESSED CAN LIGHT (LED)
- SURFACE-MOUNTED FIXTURE
- GFCI OUTLET
- S

SWITCH
- EXHAUST FAN

A MINIMUM OF (1) 20-AMP
CIRCUIT FOR
BATHROOM(S) OUTLET.
SUCH CIRCUIT SHALL
HAVE NO OTHER
OUTLETS. THIS CIRCUIT
MAY SERVE MORE THAN
ONE BATHROOM

* **Leviton ODS10-IDW** Decora Wall Switch Occupancy Motion Sensor

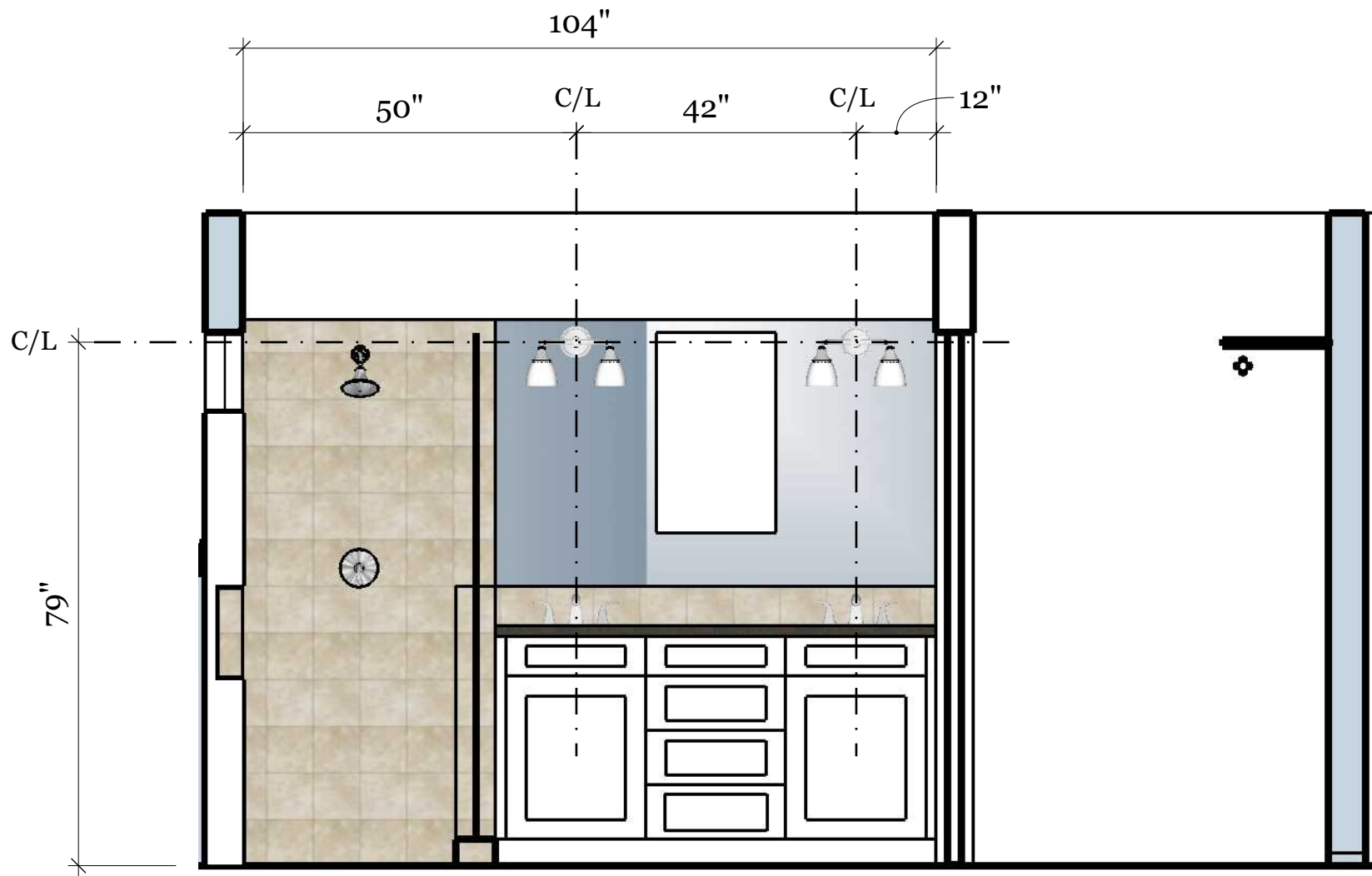
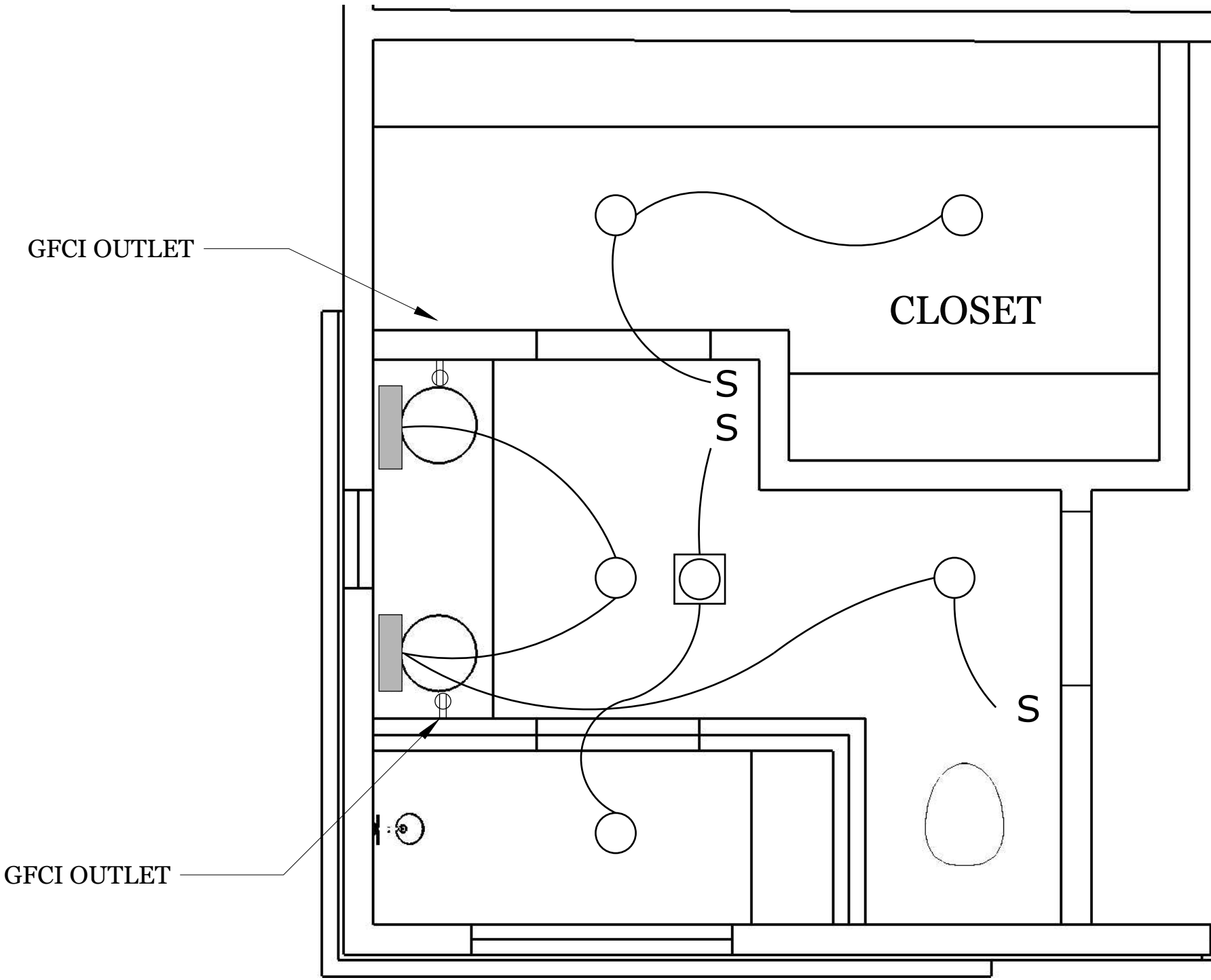


** **Panasonic**



Panasonic FV-11VQ5

White WhisperCeiling 110 CFM 0.3 Sone Ceiling Mounted Energy Star Rated Bath Fan with
4" Duct Diameter



REVISIONS	
1	ADDED 5' DUCT
2	REVISION IN 2019
3	
4	
5	
6	
7	

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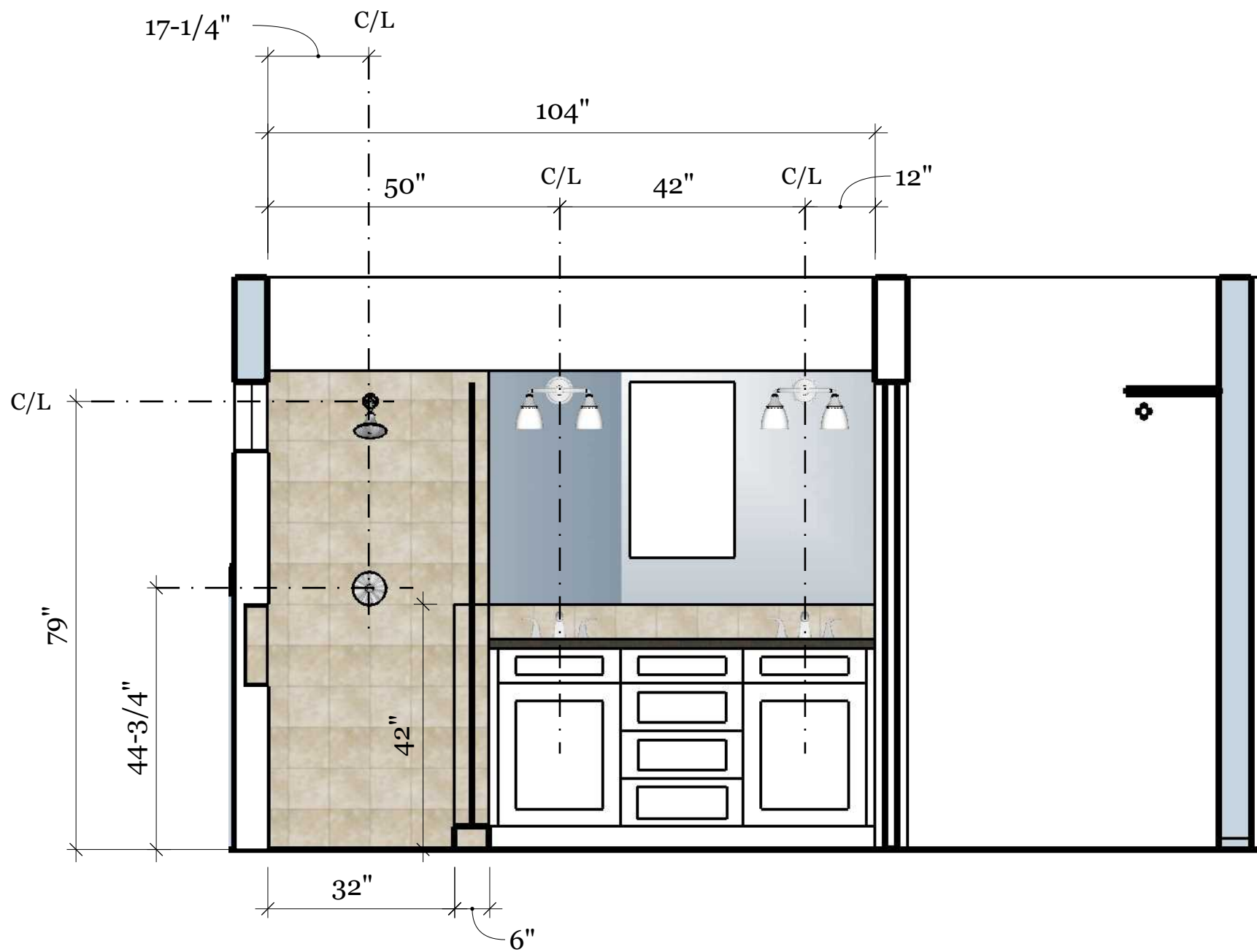
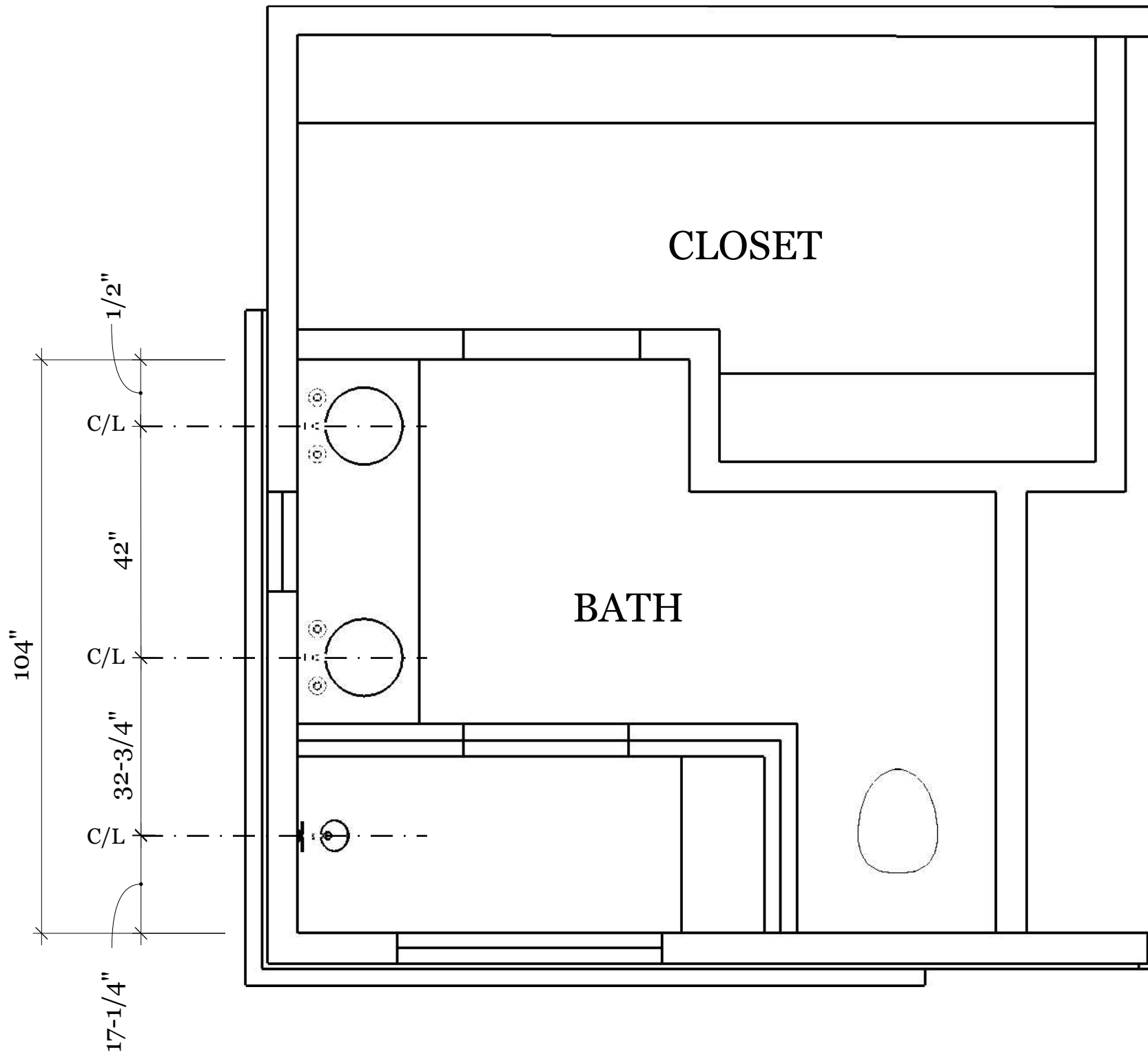
SCALE AS SHOWN
SHEET: 11

PLUMBING PLAN

INSULATION:
WALLS = R-13
CEILINGS= R-30
FLOORS=R-19
EXTERIOR:
TWO LAYERS OF GRADE D PAPER OVER ALL
WOOD BASE SHEATHING.
WALL COVERING= STUCCO
(TEXTURE AND COLOR TO MATCH EXISTING HOUSE)

MAXIMUM FLOW RATES SET BY THE CALIFORNIA ENERGY
COMMISSION:

- A. WATER CLOSETS 1.6 GPM
- B. SHOWER HEADS 2.5 GPM
- C. LAUNDRY FAUCETS 2.2 GPM
- D. SINK FAUCETS 2.5 GPM



REVISIONS	
1	ADDED 5' SHOWER
2	REVISION IN DOOR
3	
4	
5	
6	
7	

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SCALE AS SHOWN
SHEET: 12

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD										CF1R-PRF-01	
Project Name: Residential Building										Page 1 of 8	
Calculation Description: Title 24 Analysis											
Input File Name: 7731_4th Pl.xml											
GENERAL INFORMATION											
01	Project Name: Residential Building										
02	Calculation Description: Title 24 Analysis										
03	Project Location: 7731 4th Pl.										
04	City	County	05	Standards Version: Compliance 2015							
06	Zip Code	90241	07	Compliance Manager Version: BEVChpMgr 2013-4 (744)							
08	Climate Zone	C23	09	Software Version: EnergyPro 6.6							
10	Building Type	Single Family	11	Front Orientation (deg/Cardinal): 225							
12	Project Scope	Existing and/or Alteration	13	Number of Dwelling Units: 1							
14	Total Cond. Floor Area (ft²)	2964	15	Number of Zones: 1							
16	Slab Area (ft²)	0	17	Number of Stories: 1							
18	Addition Cond. Floor Area	0	19	Natural Gas Available: Yes							
20	Addition Slab Area (ft²)	0	21	Glazing Percentage (%): 9.6%							
COMPLIANCE RESULTS											
01	Building Complies with Computer Performance										
02	This building DOES NOT require HERS Verification										
03	This building incorporates one or more Special Features shown below										
ENERGY USE SUMMARY											
04	Energy Use (kTOD/yr)		05	Standard Design		06	Proposed Design		07	Compliance Margin	
Space Heating		18.57			18.57			0.00			0.0%
Space Cooling		32.41			32.37			0.04			0.1%
IAQ Ventilation		0.00			0.00			0.00			0.0%
Water Heating		13.79			13.79			0.00			0.0%
Photovoltaic Offset		---			---			---			---
Compliance Energy Total		60.77			60.73			0.04			0.1%
Registration Number: CA Building Energy Efficiency Standards - 2013 Residential Compliance											
Registration Date/Time: Report Version - CF1R-08252015-744											
HERS Provider: Report Generated at: 2016-02-25 12:24:36											

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD										CF1R-PRF-01			
Project Name: Residential Building										Page 2 of 8			
Calculation Description: Title 24 Analysis													
Input File Name: 7731_4th Pl.xml													
REQUIRED SPECIAL FEATURES													
The following are features that must be installed as condition for meeting the modeled energy performance for this computer analysis.													
• Insulation above roof deck													
• New ductwork added is less than 40 ft. in length													
HERS FEATURE SUMMARY													
The following is a summary of the features that must be field-verified by a certified HERS Rater as a condition for meeting the modeled energy performance for this computer analysis. Additional detail is provided in the building components tables below.													
Building-level Verifications:													
• None													
Cooling System Verifications:													
• None													
HVAC Distribution System Verifications:													
• None													
Domestic Hot Water System Verifications:													
• None													
ENERGY DESIGN RATING													
This is the sum of the annual TDD energy consumption for energy use components included in the performance compliance approach for the Standard Design Building (Energy Budget) and the annual TDD energy consumption for lighting and components not regulated by Title 24, Part 6 (such as domestic appliances and consumer electronics) and accounting for the annual TDD energy offset by an on-site renewable energy system.													
Total Energy (kTOD/yr)		Reference Energy Use		Energy Design Rating		Margin		Percent Improvement					
163.02		162.86		0.04		8.0%							
* Includes calculated Appliances and Miscellaneous Energy Use (AMEU)													
BUILDING - FEATURES INFORMATION													
01	02		03		04		05		06		07		
Project Name		Conditioned Floor Area (ft²)		Number of Dwelling Units		Number of Bedrooms		Number of Zones		Number of Ventilation Cooling Systems		Number of Water Heating Systems	
Residential Building		2964		1		5		1		0		2	
ZONE INFORMATION													
01	02		03		04		05		06		07		
Zone Name		Zone Type		HVAC System Name		Zone Floor Area (ft²)		Avg. Ceiling Height		Water Heating System 1		Water Heating System 2	
Existing		Conditioned		EXISTING AC1		2964		9		DHW Sys 1		DHW Sys 2	
Registration Number: CA Building Energy Efficiency Standards - 2013 Residential Compliance													
Registration Date/Time: Report Version - CF1R-08252015-744													
HERS Provider: Report Generated at: 2016-02-25 12:24:36													

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD										CF1R-PRF-01									
Project Name: Residential Building										Page 3 of 8									
Calculation Description: Title 24 Analysis																			
Input File Name: 7731_4th Pl.xml																			
OPAQUE SURFACES																			
01	02		03		04		05		06		07		08		09		10		
Name		Zone		Construction		Azimuth		Orientation		Gross Area (ft²)		Window & Door Area (ft²)		Tilt (deg)		Status		Verified Existing Condition	
NE Wall		Existing		Default Wall Prior to 1978		45		Back		629		139.9		90		Existing		No	
NW Wall		Existing		Default Wall Prior to 1978		315		Left		486		61.9		90		Existing		No	
SW Wall		Existing		Default Wall Prior to 1978		225		Front		600		105.3		90		Existing		No	
SE Wall		Existing		Default Wall Prior to 1978		135		Right		546		28		90		Existing		No	
SW Wall 2		Existing		R-15 Wall		225		Front		60		2		90		Altered		N/A	
NW Wall 2		Existing		R-15 Wall		315		Left		60		2		90		Altered		N/A	
Roof		Existing		Default Roof Prior to 1978						2964						Existing		No	
Recessed Floor		Existing		Default Floor Crawlspace												Existing		No	
ATTIC																			
01	02		03		04		05		06		07		08		09		10		
Name		Construction		Type		Roof Rise		Roof Reflectance		Roof Entrance		Radiant Barrier		Cool Roof		Status		Verified Existing Condition	
Attic Existing		Attic Roof Existing		Ventilated		0		0.1		0.55		No		No		Existing		No	
Registration Number: CA Building Energy Efficiency Standards - 2013 Residential Compliance																			
Registration Date/Time: Report Version - CF1R-08252015-744																			
HERS Provider: Report Generated at: 2016-02-25 12:24:36																			

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD										CF1R-PRF-01											
Project Name: Residential Building										Page 4 of 8											
Calculation Description: Title 24 Analysis																					
Input File Name: 7731_4th Pl.xml																					
WINDOWS																					
01	02		03		04		05		06		07		08		09		10		11		
Name		Surface (Orientation-Azimuth)		Width (ft)		Height (ft)		Multiple		Area (ft²)		U-factor		SHGC		Exterior Shading		Status		Verified Existing Condition	
Window		NE Wall (Back-45)		---		---		1		24.0		0.99		0.74		Inset Screen (default)		Existing		No	
Window 2		NE Wall (Back-45)		---		---		1		53.3		0.99		0.74		Inset Screen (default)		Existing		No	
Window 3		NE Wall (Back-45)		---		---		1		53.3		0.99		0.74		Inset Screen (default)		Existing		No	
Window 4		NE Wall (Back-45)		---		---		1		9.0		0.99		0.74		Inset Screen (default)		Existing		No	
Window 5		NW Wall (L&R-315)		---		---		1		24.0		0.99		0.74		Inset Screen (default)		Existing		No	
Window 6		NW Wall (L&R-315)		---		---		1		9.0		0.99		0.74		Inset Screen (default)		Existing		No	
Window 7		NW Wall (L&R-315)		---		---		1		9.0		0.99		0.74		Inset Screen (default)		Existing		No	
Window 8		SW Wall (Front-225)		---		---		1		24.0		0.99		0.74		Inset Screen (default)		Existing		No	
Window 9		SW Wall (Front-225)		---		---		1		24.0		0.99		0.74		Inset Screen (default)		Existing		No	
Window 10		SW Wall (Front-225)		---		---		1		24.0		0.99		0.74		Inset Screen (default)		Existing		No	
Window 11		SE Wall (Right-135)		---		---		1		2.0		0.99		0.74		Inset Screen (default)		Existing		No	
Window 12		SE Wall (Right-135)		---		---		1		24.0		0.99		0.74		Inset Screen (default)		Existing		No	
Window 13		SE Wall (Right-135)		---		---		1		2.0		0.99		0.74		Inset Screen (default)		Existing		No	
Window 14		SW Wall 2 (Front-225)		---		---		1		2.0		0.27		0.19		Inset Screen (default)		Altered		N/A	
Window 15		NW Wall 2 (L&R-315)		---		---		1		2.0		0.27		0.19		Inset Screen (default)		Altered		N/A	
DOORS																					
01	02		03		04		05		06		07		08		09		10		11		
Name		Side of Building		Area (ft²)		U-factor		Status		Verified Existing Condition											
Door		NW Wall		19.9		0.50		Existing		No											
Door 2		SW Wall		35.3		0.50		Existing		No											
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OPAQUE SURFACE CONSTRUCTIONS															
01	02		03		04		05		06		07				
Construction Name		Surface Type		Construction Type		Framing		Total Cavity R-value		Winter Design U-value		Assembly Layers			
Attic Roof Existing		Attic Roofs		Wood Framed Ceiling		2x4 Top Chord of Roof Truss @ 24 in. O.C.		none		0.131		• Cavity / Frame: no insul. / 2x4 Top Chord of Roof Deck: Wood Siding/sheathing/decking • Above Deck Insulation: R6 Sheathing Roofing: Light Roof (Asph/Flt Shingles)			
Default Wall Prior to 1978		Exterior Walls		Wood Framed Wall		2x4 @ 16 in. O.C.		none		0.302		• Inside Finish: Gypsum Board • Cavity / Frame: no insul. / 2x4 Exterior Finish: Wood Siding/sheathing/decking			
Default Roof Prior to 1978		Ceilings (below attic)		Wood Framed Ceiling		2x4 @ 16 in. O.C.		R 11		0.083		• Inside Finish: Gypsum Board • Cavity / Frame: R-9.1 / 2x4 Over Floor Joists: R-9 Insul.			
Default Floor Crawlspace		Floor Over Crawlspace		Wood Framed Floor		2x12 @ 16 in. O.C.		none		0.216		• Floor Surface: Carpeted • Floor Deck: Wood Siding/sheathing/decking • Cavity / Frame: no insul. / 2x12			
R-15 Wall		Exterior Walls		Wood Framed Wall		2x4 @ 16 in. O.C.		R 15		0.089		• Inside Finish: Gypsum Board • Cavity / Frame: R-15 / 2x4 Exterior Finish: Wood Siding/sheathing/decking			
WATER HEATING SYSTEMS															
01	02		03		04		05		06		07		08		
Name		System Type		Distribution Type		Water Heater		Number of Heaters		Solar Fraction (%)		Status		Verified Existing Condition	
DHW Sys 1		DHW		Standard		DHW Heater 1		1		Annual		Existing		No	
DHW Sys 2		DHW		Standard		DHW Heater 2		1		Annual		Existing		No	
WATER HEATERS															
01	02		03		04		05		06		07		08		
Name		Heater Element Type		Tank Type		Tank Volume (gal)		Energy Factor or Efficiency		Input Rating		Tank Exterior Insulation R-value		Standby Loss (Fraction)	
DHW Heater 1		Natural Gas		Small Storage		20		0.575 EF		40000-Btu/yr		0		0	
DHW Heater 2		Natural Gas		Small Storage		50		0.575 EF		40000-Btu/yr		0		0	
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WATER HEATING - HERS VERIFICATION																					
01	02		03		04		05		06		07										
Name		Pipe Insulation		Parallel Piping		Compact Distribution		Point-of Use		Recirculation with Manual Control		Recirculation with Sensor Control									
DHW Sys 1		n/a		n/a		n/a		n/a		n/a		n/a									
DHW Sys 2		n/a		n/a		n/a		n/a		n/a		n/a									
SPACE CONDITIONING SYSTEMS																					
01	02		03		04		05		06		07		08		09						
Name		System Type		Heating System		Cooling System		Distribution System		Fan System		Floor Area Served		Status		Verified Existing Condition					
EXISTING AC1		Other heating and Cooling System		Heating Component 1		Yes		Cooling Component 1		Yes		Air Distribution System 1		HVAC Fan 1		2964		Existing		No	
HVAC - HEATING SYSTEMS																					
01	02		03		04		05		06		07		08		09						
Name		Type		Efficiency		SEER		Zonally Controlled		Multi-speed Compressor		HERS Verification									
Heating Component 1		Chf/Furnace - Fuel-fired central furnace		Chf/Furnace - Fuel-fired central furnace		E2 AFUE															
HVAC - COOLING SYSTEMS																					
01	02		03		04		05		06		07		08		09						
Name		System Type		EER		Efficiency		SEER		Zonally Controlled		Multi-speed Compressor		HERS Verification							
Cooling Component 1		Split/AirCond - Split air conditioning system		10		13		No													
HVAC - DISTRIBUTION SYSTEMS																					
01	02		03		04		05		06		07		08		09		10				
Name		Type		Duct Leakage		Insulation R-value		Supply Duct Location		Return Duct Location		Bypass Duct		Status		Verified Existing Condition		HERS Verification			
Air Distribution System 1		Ducts located in attic		Existing (not specified)		2.1		Attic		Attic		None		Existing		No		N/A			
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HVAC DISTRIBUTION - HERS VERIFICATION											
01	02		03		04		05		06		
Name		Duct Leakage Verification		Duct Leakage Target (%)		Verified Duct Location		Verified Duct Design		Supply	
Air Distribution System 1-hers-dst		N/A		---		---		---		---	
IAQ (Indoor Air Quality) FANS											
01	02		03		04		05		06		
Name		IAQ CFM		IAQ Fan Type		IAQ Recovery Effectiveness(%)		HERS Verification		Status	
SFam IAQVentRpt		0		Default		0		Not Required		Not Required	
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DOCUMENTATION AUTHOR'S DECLARATION STATEMENT										
I, I certify that the Certificate of Compliance documentation is accurate and complete.										
Documentation Author Name: Arash Nazari, P.E.										
Documentation Author Signature: [Signature]										
Company: A & N Design Group										
Address: 19126 Haynes St. #2										
City/State/Zip: Reseda, CA 91335										
Signature Date: 2/25/2016										
CEAHERS Certification Identification (if applicable):										
Phone: 818-288-4361										
RESPONSIBLE PERSON'S DECLARATION STATEMENT										
I certify the following under penalty of perjury, under the laws of the State of California:										
1. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design identified on this Certificate of Compliance.										
2. I certify that the energy features and performance specifications identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1, and Part 6 of the California Code of Regulations.										
3. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.										