

CONSTRUCTION PLANS  
FOR  
SCHOONER WHARF  
ADA BATHROOM

SITE LOCATION



LOCATION MAP:

CITY OF KEY WEST  
PURCHASE ORDER: 085669  
(DATED 11/29/2017)  
ARTIBUS DESIGN TASK ORDER #1704

PROJECT LOCATION:  
202 WILLIAM ST,  
KEY WEST, FL 33040

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SIGNATURE:  
DATE:

SERGE MASHAKOV  
PROFESSIONAL ENGINEER  
STATE OF FLORIDA  
LICENSE NO 71480

REV./DESCRIPTION:	BY:	DATE:
STATUS:	FINAL	

ARTIBUS DESIGN  
ENGINEERING AND PLANNING

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3706 N. ROOSEVELT BLVD  
SUITE 1-208  
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CA # 30835

CIENT:  
ENGINEERING DEPARTMENT  
1300 WHITE ST.  
KEY WEST, FL 33040

PROJECT: SCHOONER WHARF  
ADA BATHROOM

SITE:	202 WILLIAM ST, KEY WEST, FL 33040			
TITLE:	COVER			
SCALE AT 1/8"=1'-0"	DATE:	DRAWN:	CHECKED:	
AS SHOWN	02/26/18	GEA	SAM	
PROJECT NO:	DRAWING NO:		REVISION:	
1801-06	G-100		1	



GENERAL REQUIREMENTS:

1. PRIOR TO STARTING ANY WORK THE CONTRACTOR SHALL REVIEW THESE PLANS AND SITE CONDITIONS AND NOTIFY THE ENGINEER IF ANY DISCREPANCIES ARE DISCOVERED.
2. THE ENGINEER IS NOT RESPONSIBLE FOR THE SUPERVISION OF THE CONTRACTOR NOR HIS EMPLOYEES DURING THE CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE MEANS AND ESTABLISH METHODS OF THE CONSTRUCTION TO MEET REQUIREMENTS OF ALL APPLICABLE CODES, INDUSTRY STANDARDS AND REQUIREMENTS OF THESE PLANS.
3. QUALITY OF THE WORK SHALL MEET OR EXCEED INDUSTRY STANDARD PRACTICES.
4. ANY DEVIATIONS FROM THESE PLANS SHALL BE REVIEWED AND APPROVED BY THE ENGINEER.

DESIGN DATA:

1. APPLICABLE BUILDING CODE: FBC EXISTING 6TH EDITION (2017)
  2. APPLICABLE DESIGN LOADS: PER ASCE/SEI 7-10
    - FLOOR LIVE LOAD 100 PSF
    - ROOF LIVE LOAD: 20 PSF (300 LB CONC.)
    - BASIC WIND SPEED: 180 MPH
- EXPOSURE: D
- STRUCTURAL CATEGORY: II
- FLOOD ZONE: AE9
- FLOOD RESISTANT DESIGN AND CONSTRUCTION PER ASCE 24-14
- FLOOD DESIGN CLASS 2, WET FLOOD PROOFING

ALL PRESSURES SHOWN ARE BASED ON ASD DESIGN WITH A LOAD FACTOR OF 0.6

SOILS AND FOUNDATIONS:

FOUNDATIONS SHALL BE PLACED ON A "SEDIMENTARY AND FOLIATED ROCK" WITH A ALLOWABLE LOAD BEARING PRESSURE OF 3,000 PSF. NOTIFY THE ENGINEER OF SOIL CONDITIONS ARE DIFFERENT.

1. ALL FOUNDATIONS, SLABS AND FOOTERS SHALL BE PLACED ON STABILIZED UNDISTURBED SUBGRADE SOIL.
2. MINIMUM FOUNDATION DEPTH SHALL BE 24" UNLESS OTHERWISE IS SPECIFIED ON THE PLANS. IF OVER-EXCAVATED - FILL SHALL NOT BE PLACED BACK INTO THE TRENCH UNLESS APPROVED BY THE ENGINEER.
3. FILL UNDER THE FOUNDATIONS SHALL BE USED ONLY IF APPROVED BY THE ENGINEER. CLEAN FILL MATERIAL SHALL BE PLACED IN 6"-8" LAYERS AND COMPACTED TO 98% DENSITY USING THE MODIFIED PROCTOR TEST.
4. FILL MATERIAL SHALL BE CLEAN GRANULAR SAND OR LIMEROCK MIX WITHOUT ANY ORGANIC MATERIALS, CLAY, MUCK AND ROCKS LARGER THAN 4". BACKFILL SHALL NOT CONTAIN ANY WOOD OR CELLULOSE DEBRIS.

AUGERCAST PILES

1. AUGERCAST PILES SHALL BE 16" DIAMETER WITH MINIMUM EMBEDMENT OF 3FT INTO THE CAP ROCK UNLESS OTHERWISE SHOWN ON THE PLANS.
2. CONCRETE FOR PILES SHALL HAVE A MIN. COMPRESSIVE STRENGTH OF 5000 PSI. WATER CEMENT RATIO SHALL NOT EXCEED W/C=0.40.
3. REINFORCEMENT SHALL BE FOUR (4) #5 REBAR VERTICALLY WITH #3 STRIPS AT 10" O.C. CONTRACTOR SHALL USE PLASTIC CHARS OR CENTRALIZERS TO PROVIDE A 3" COVER ON ALL SIDES OF THE REINFORCEMENT.

CONCRETE

1. APPLICABLE CODE ACI 318 LATEST EDITION AND ACI 301.
  2. ALL CONCRETE ELEMENTS SHALL HAVE A MIN. COMPRESSIVE STRENGTH OF 4000 PSI UNLESS OTHERWISE IS SHOWN ON THE PLANS. WATER CEMENT RATIO SHALL NOT EXCEED W/C=0.40.
  3. ALL CAST-IN-PLACE CONCRETE SHALL BE CURED AND PROTECTED FROM OVERDRYING PER ACI 305R-10 "HOT WEATHER CONCRETING".
  4. ALL EXPOSED EDGES SHALL HAVE 1/2" CHAMFERS.
  5. NO COLD JOINTS ARE ALLOWED UNLESS OTHERWISE APPROVED BY THE ENGINEER.
  6. TESTING: ALL FIELD AND LABORATORY TESTING SHALL BE PERFORMED BY THE INDEPENDENT SPECIALIZED COMPANY.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL SCHEDULING, COORDINATION AND COST OF TESTING COMPANY.
- THREE (3) SAMPLES SHALL BE TAKEN AND TESTED EACH TIME.
- MINIMUM SAMPLING FREQUENCY:
- A) EACH DAY OF CONCRETING FOR EVERY CONCRETE MIX;
  - B) EVERY 50 CUBIC YARDS;
  - C) EVERY 2000 SQ.FT. OF SLAB AREA.

ALL TESTING SHALL BE PER LATEST ACI AND ASTM REQUIREMENTS. LABORATORY SHALL SUPPLY THREE (3) ORIGINAL SIGNED&SEALED REPORT RESULTS TO THE ENGINEER.

7. CAST-IN-PLACE AND PRECAST MEMBERS ERECTION TOLERANCES SHALL BE AS SPECIFIED IN TABLE B.2.2 OR IN SECTION B.3 OF "PCI DESIGN HANDBOOK/SIXTH EDITION".

REINFORCEMENT

1. ALL REBAR SHALL BE ASTM A1035 GRADE 100 (CHROMX 9100) AS CORROSION RESISTANT REINFORCEMENT.
2. ALL REQUIREMENTS FOR PLACEMENT, COVER, TOLERANCES, ETC. SHALL BE PER ACI 318-11.
3. ALL HOOKS AND BENDS SHALL BE FACTORY MADE UNLESS FIELD BENDS ARE APPROVED BY THE ENGINEER.
4. ONLY PLASTIC CHAIRS AND CENTRALIZERS SHALL BE USED FOR REBAR SUPPORT.

STRUCTURAL LUMBER

1. ALL WOOD MEMBERS SHALL MEET OR EXCEED REQUIREMENTS SPECIFIED IN "ANSI/A&PA NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION" AND ALL REFERENCED STANDARDS.
2. ALL WOOD MEMBERS SHALL BE SOUTHER PINE NO2 OR GREATER KILN DRIED AS SPECIFIED IN THE STANDARDS, UNLESS OTHERWISE SPECIFIED.
3. ALL WOOD MEMBERS EXPOSED TO EXTERIOR, IN DIRECT CONTACT WITH CONCRETE OR STEEL SHALL BE PRESSURE-TREATED (PT) UC4B GRADE PER AWP/A STANDARDS.
4. ALL FIELD CUTS IN PT LUMBER SHALL TREATED ON SITE.
5. NAILING SHALL BE IN ACCORDANCE WITH FBC 2017. NAILS AND OTHER FASTENERS FOR PT WOOD SHALL BE STAINLESS STEEL OR ACDQ APPROVED TREATED.
6. SHEATHING SHALL BE 5/8" CDX PLYWOOD SHEATHING GRADE, UNLESS OTHERWISE IS SPECIFIED ON THE PLANS. USE 10D RING-SHANK NAILS WITH SPACING OF 4" O.C. ON ALL EDGES AND 6" O.C. IN THE FIELD.

HARDWARE

1. HARDWARE SHALL BE 316 STAINLESS STEEL OR BETTER OR ZMAX GALVANIZED FOR NON EXPOSED SIMPSON PRODUCTS, UNLESS OTHERWISE SPECIFIED.
2. ALL CONNECTORS SHALL HAVE STAINLESS STEEL SCREWS AND FASTENERS OR ACDQ APPROVED TREATED (FOR NON EXPOSED LOCATIONS).

REINFORCED MASONRY (CMU)

1. ALL MASONRY SHALL BE REINFORCED CONCRETE MASONRY UNIT IN ACCORDANCE WITH THE LATEST EDITION OF ACI 530/ASCE 5/TMS 402.
2. INSTALL ALL BLOCKS IN RUNNING BOND.
3. MINIMUM MASONRY BLOCK (ASTM C90) STRENGTH SHALL (F'm) BE 2000 PSI.
4. TYPE "S" MORTAR (ASTM C270) SHALL BE USED USING 3/8" FULL BEDDING REINFORCED W/ 9 GAGE GALVANIZED LADDER WIRE EVERY 2ND ROW.
5. FILLED CELLS SHALL BE REINFORCED WITH #5 REBAR @ 24" O.C. (UNLESS OTHERWISE IS SPECIFIED ON THE PLANS).
6. GROUT SHALL BE PEA ROCK PUMP MIX (ASTM C476) WITH A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI (28 DAY) (ASTM C1019).
6. EACH GROUTED CELL SHALL HAVE CLEANOUT OPENINGS AT THE BOTTOM. THERE SHALL BE NO LOOSE MORTAR OR OTHER DEBRIS IN THE BOTTOM OF THE CELL. USE BLAST PRESSURE WASHING FOR SURFACE PREPARATION.

STRUCTURAL STEEL

1. STRUCTURAL STEEL COMPONENTS SHALL BE AS DESCRIBED IN "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS" AISC 2005 OR LATER EDITION.
2. HSS SHAPES (STRUCTURAL TUBING) SHALL BE ASTM A500 (FY=46 KSI).
3. STEEL PLATES, FLANGES AND MISCELLANEOUS ELEMENTS SHALL BE ASTM A36 (FY=36 KSI) UNLESS NOTED OTHERWISE ON THE PLANS.
4. W-SHAPES, C-SHAPES AND OTHER FORMED STEEL SHALL BE ASTM A36 (FY=36 KSI).
5. ALL WELDING SHALL BE IN CONFORMANCE WITH THE LATEST SPECIFICATIONS AWS D1.1/D1.1M:2014, STRUCTURAL WELDING CODE - STEEL.
6. BOLTS: HOT DIP GALVANIZED. A325N, A563DH HEX NUTS, F436 WASHERS.
7. ANCHOR BOLTS: HOT DIP GALVANIZED. A307 GRADE A, A563DH HEX NUTS, F844 WASHERS.

STRUCTURAL STEEL COATING

1. ALL SURFACES SHALL BE ABRASIVE BLAST CLEANED TO NEAR-WHITE METAL (PER SSPC-SP10) EXPOSED STEEL.
2. ALL SURFACES SHALL BE PRIMED WITH POLYAMIDE EPOXY - ONE COAT (8.0 MILS DFT).
3. APPLY SEALANT AT ALL LOCATIONS WHERE STEEL IS WELDED, LAPPED ETC. SEALANT MATERIAL SHALL BE COMPATIBLE WITH THE PAINTING SYSTEM.
4. TOP LAYER SHALL BE TWO (2) COAT POLYURETHANE (3.0 MILS DFT EACH).
5. TOP PAINT SHALL BE UV RESISTANT OR HAVE A UV RESISTANT COATING.
6. COLORS SHALL MATCH EXISTING OR TO BE SELECTED BY THE OWNER.
7. 2 COATS OF "SUMTER COATINGS" UNIVERSAL PRIMER (6.0 MILS DFT) OR APPROVED EQUAL.

ALUMINUM COMPONENTS

1. TYPE 6061-T6 ALUMINUM.
2. MIG WELDED ALL JOINTS W/ CONTINUOUS 1/8" WELD. USE 5356 FILLER WIRE ALLOY.
3. ALL ALUMINUM IN CONTACT WITH CONCRETE, PT WOOD, DISSIMILAR METALS AND OTHER CORROSIVE MATERIALS SHALL COATED WITH COAL-TAR EPOXY OR PROTECTED BY OTHER ENGINEER APPROVED METHOD.

OPENINGS:

1. ALL EXTERIOR WINDOWS & DOORS SHALL BE LARGE AND SMALL MISSILE IMPACT RATED OR HAVE CODE COMPLIANT SHUTTERS.
2. ALL EXTERIOR WINDOWS AND DOORS SHALL HAVE FLORIDA PRODUCT APPROVAL AND NDA. PRODUCT APPROVAL LABELS SHALL BE PERMANENTLY ATTACHED TO THE FRAME.
3. WIND PRESSURE ON COMPONENTS AND CLADDING (CH 30 PART 1)

TYPE AND # OF OPENING

NOMINAL WIDTH

D1	3.00FT	+49.2
6.50FT	-53.6	

MAX PRESSURE (PSF)

MIN PRESSURE (PSF)

NOMINAL HEIGHT

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PROFESSIONAL ENGINEER  
STATE OF FLORIDA  
LICENSE NO 71480

REV. DESCRIPTION:	BY:	DATE:
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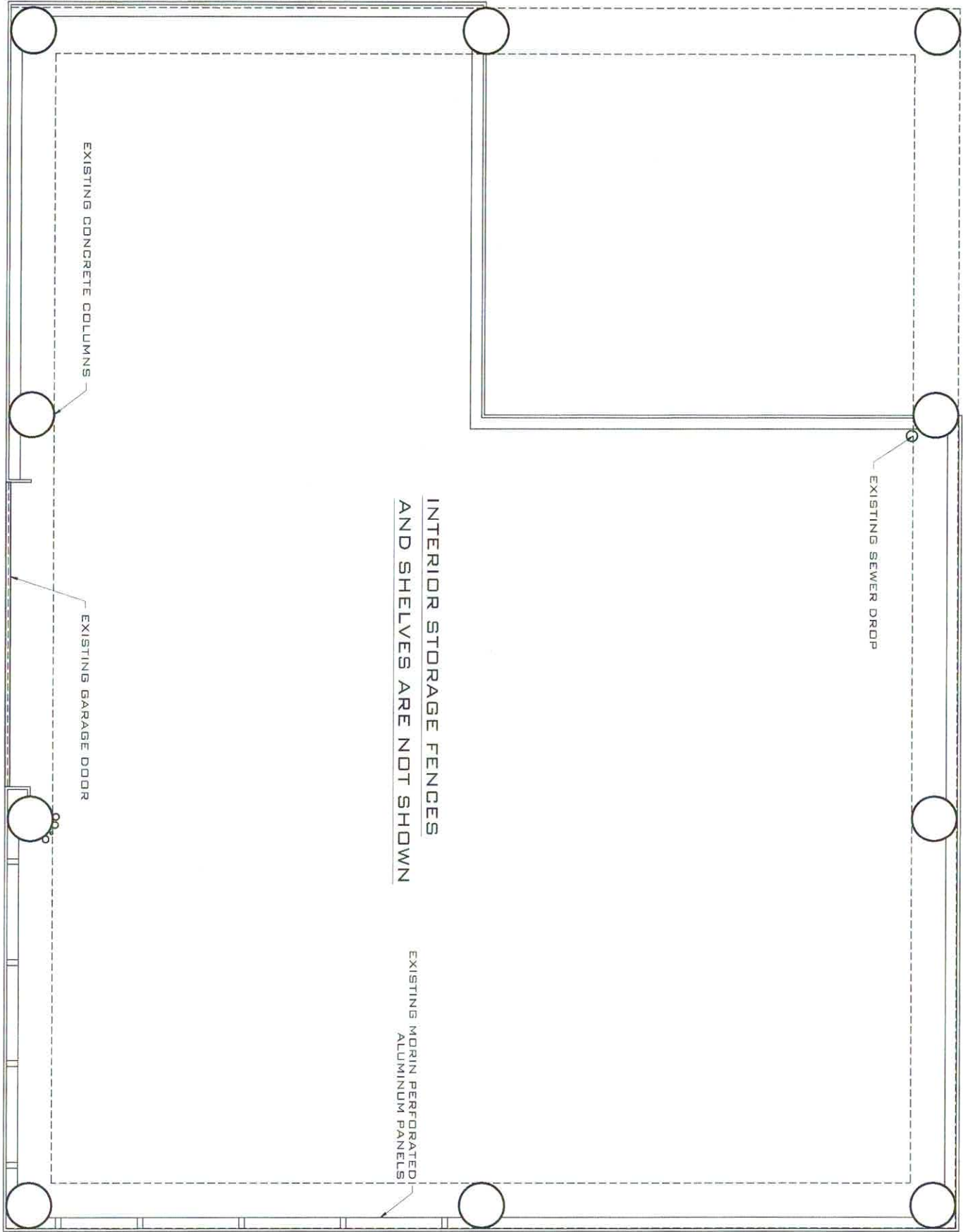
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CA # 30835

**CLIENT:**  
CITY OF KEY WEST  
ENGINEERING DEPARTMENT  
1300 WHITE ST.  
KEY WEST, FL 33040

**PROJECT:**  
SCHODNER WHARF  
ADA BATHROOM

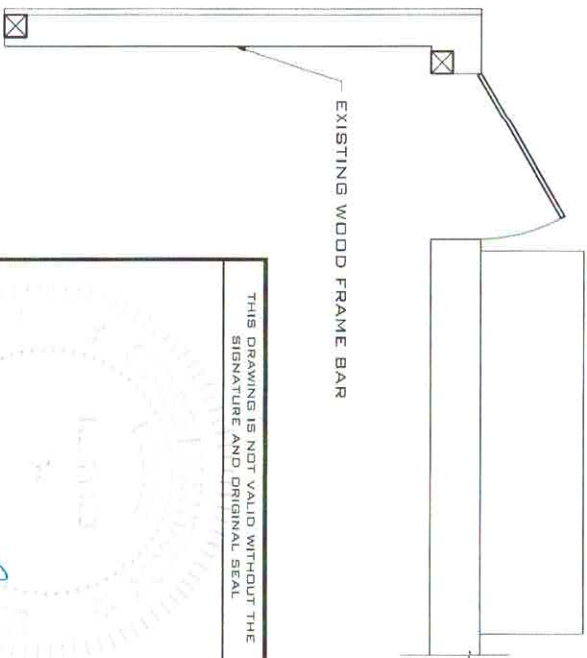
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SCALE AT 11/16"	DATE:	DRAWN:	CHECKED:	
AS SHOWN	02/26/18	GEA	SAM	
PROJECT NO:	DRAWING NO:		REVISION:	
1801-06	G-101		1	





EXISTING FLOOR PLAN

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



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PROFESSIONAL ENGINEER  
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LICENSE NO 71480

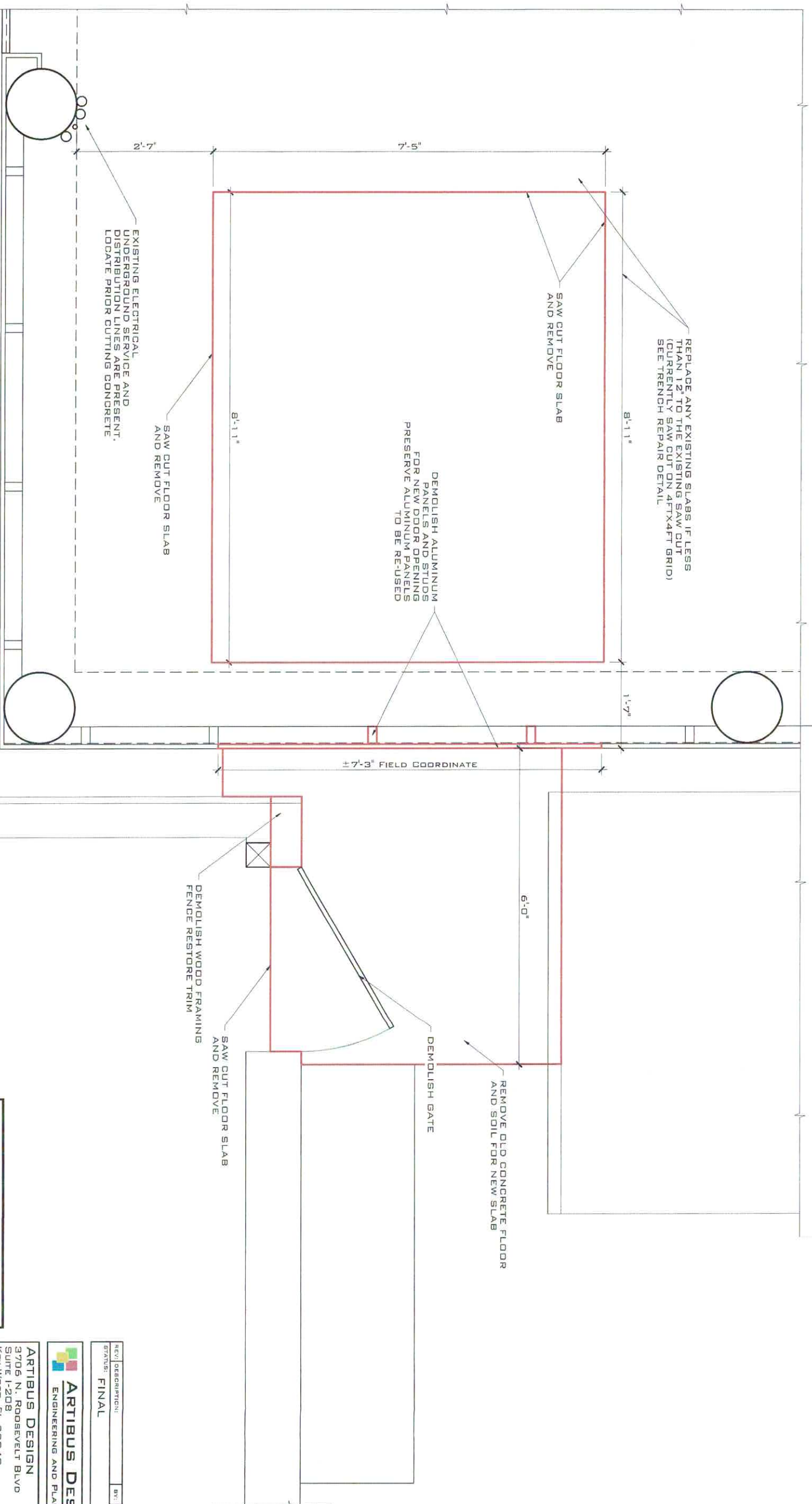
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SUITE 1-208  
KEY WEST, FL 33040  
(305) 304-3512  
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CLIENT:	CITY OF KEY WEST ENGINEERING DEPARTMENT 1300 WHITE ST. KEY WEST, FL 33040
PROJECT:	SCHOONER WHARF ADA BATHROOM

SITE:	202 WILLIAM ST. KEY WEST, FL 33040			
TITLE:	EXISTING FLOOR PLAN			
SCALE AT 1 1/4":	DATE:	DRAWN:	CHECKED:	
AS SHOWN	02/26/18	GEA	SAM	
PROJECT NO:	DRAWING NO:	REVISED:		
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DEMO PLAN

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

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CLIENT: CITY OF KEY WEST  
ENGINEERING DEPARTMENT  
1300 WHITE ST.  
KEY WEST, FL 33040  
PROJECT: SCHOONER WHARF  
ADA BATHROOM

SITE: 202 WILLIAM ST.  
KEY WEST, FL 33040

TITLE: DEMO PLAN

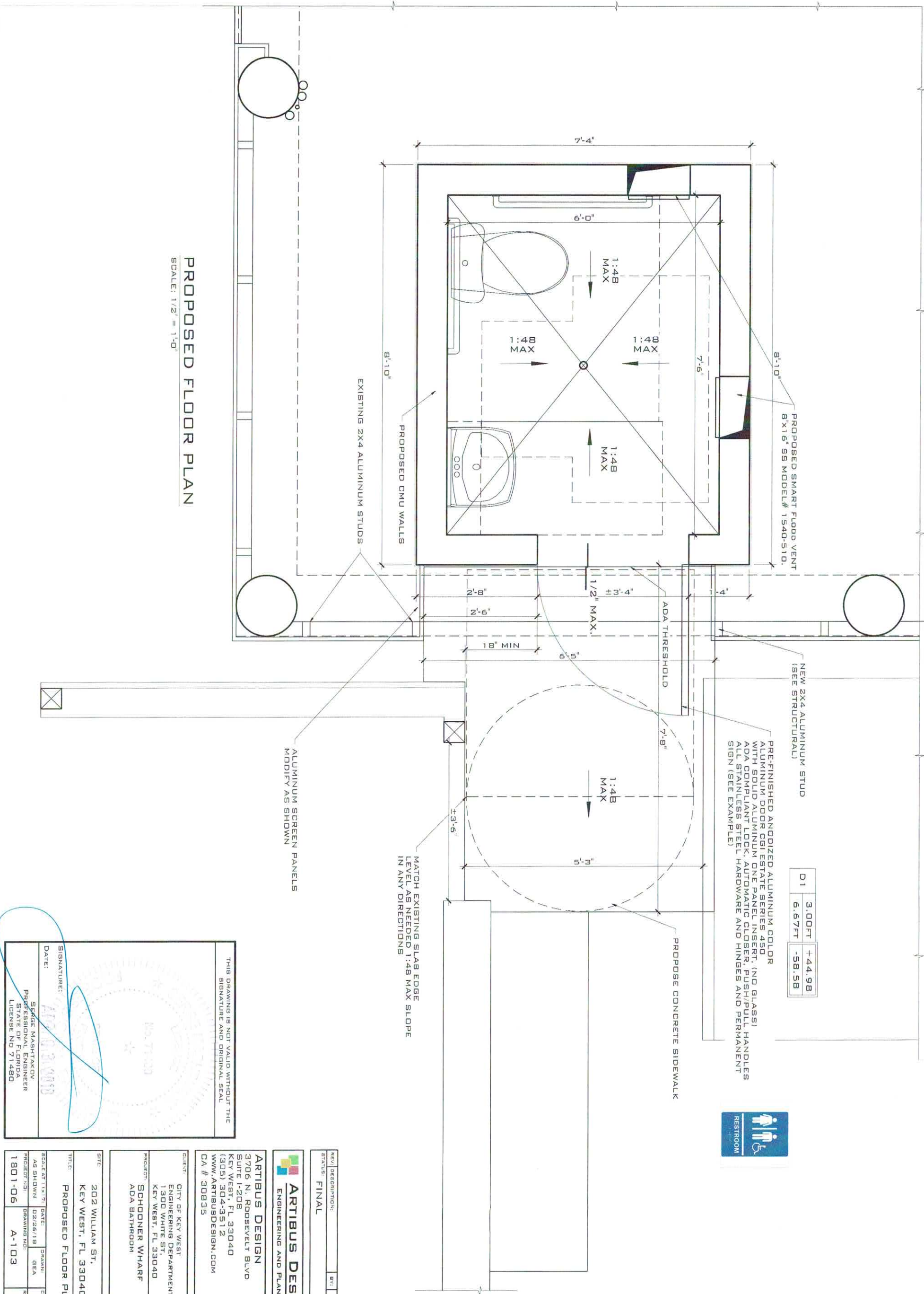
SCALE AT 1/16":	DATE:	DRAWN:	CHECKED:
AS SHOWN	02/26/18	GCA	SAM
PROJECT NO:	DRAWING NO:	REVISION:	
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DATE: 02/26/2018

SEGE MASHAKOV  
PROFESSIONAL ENGINEER  
STATE OF FLORIDA  
LICENSE NO 71480





PROPOSED FLOOR PLAN

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

D1	3.00FT	+44.98
	6.67FT	-58.58

PRE-FINISHED ANODIZED ALUMINUM COLOR ALUMINUM DOOR CGI ESTATE SERIES 450 WITH SOLID ALUMINUM ONE PANEL INSERT. (NO GLASS) ADA COMPLIANT LOCK, AUTOMATIC CLOSER, PUSH/PULL HANDLES ALL STAINLESS STEEL HARDWARE AND HINGES AND PERMANENT SIGN (SEE EXAMPLE)



MATCH EXISTING SLAB EDGE LEVEL AS NEEDED 1:48 MAX SLOPE IN ANY DIRECTIONS

ALUMINUM SCREEN PANELS MODIFY AS SHOWN

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CITY OF KEY WEST  
ENGINEERING DEPARTMENT  
1300 WHITE ST.  
KEY WEST, FL 33040  
PROJECT: SCHODDER WHARF  
ADA BATHROOM

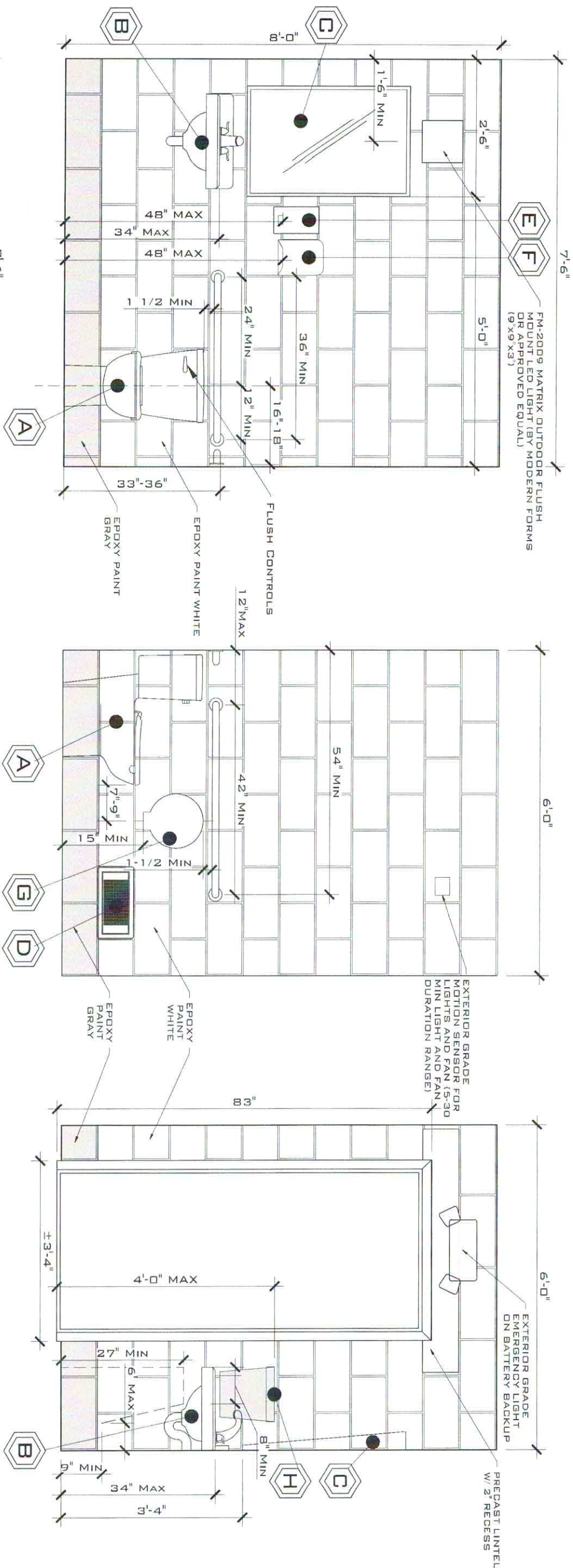
SITE: 202 WILLIAM ST.  
KEY WEST, FL 33040

TITLE: PROPOSED FLOOR PLAN

SCALE AT 1/4"=1'-0":	DATE:	DRAWN:	CHECKED:
AS SHOWN	02/26/19	GEA	SAM
PROJECT NO:	DRAWING NO:		REVISION:
1801-06	A-103		1

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LEGEND

SYMBOL	DESCRIPTION
A	PROPOSED ADA WATER CLOSET BRAND: KOHLER MODEL # K-11451-0
B	PROPOSED ADA SINK, BRAND: AMERICAN STANDARD MODEL # 0356.041.020 MONTREY 4 INCH CENTERSET GOOSENECK FAUCET, 15 INCH SPOUT REACH, 8 INCH SPOUT REACH, MODEL # 7500.188.002
C	PROPOSED ADA MIRROR HARNEY HARDWARE PRODUCT # 19074
D	PROPOSED SMART FLOOD VENT 8"x16" SS MODEL # 1540-510, FLOOD COVERAGE (200 SQ. FT.) AIR VENTILATION (51 SQ. IN.)
E	PROPOSED LIQUID SOAP DISPENSER, GOJO - MATCH EXISTING STYLE
F	PROPOSED TOWEL DISPENSER
G	PROPOSED 9" TOILET PAPER DISPENSER, SINGLE ROLL, SEN JAMAR - MATCH EXISTING STYLE
H	PROPOSED SANITARY NARKIN DISPENSER, MATCH EXISTING STYLE

PROPOSED BATHROOM  
ELEVATIONS  
SCALE: 1/2" = 1'-0"

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DATE:

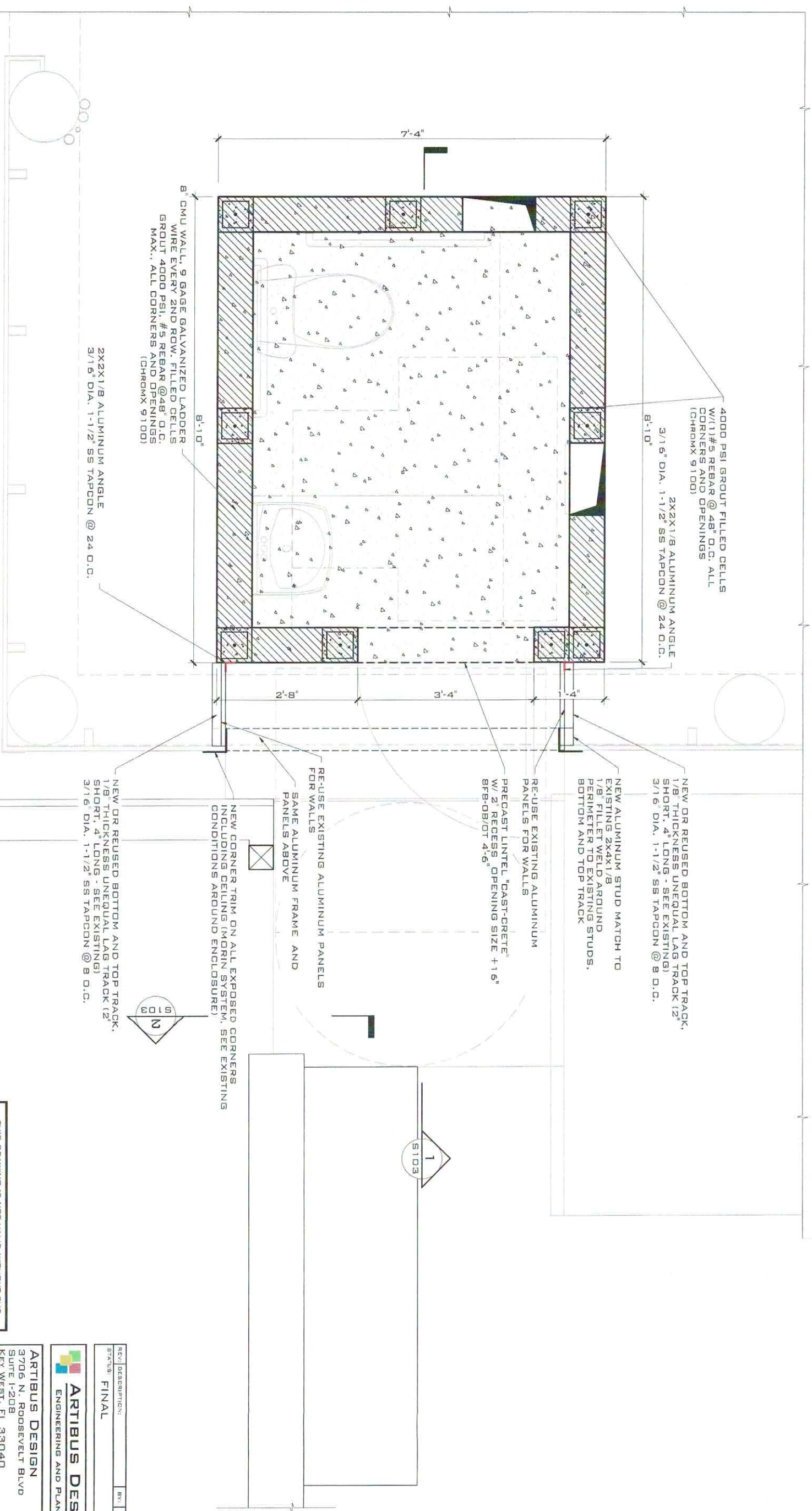
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STATE OF FLORIDA  
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CLIENT: CITY OF KEY WEST ENGINEERING DEPARTMENT 1300 WHITE ST. KEY WEST, FL 33040		
PROJECT: SCHODDER WHARF ADA BATHROOM		
SITE: 202 WILLIAM ST. KEY WEST, FL 33040		
TITLE: PROPOSED BATHROOM ELEVATIONS		
SCALE AT 1/4"=1'-0": AS SHOWN	DATE: 02/26/18 DRAWN BY: GEA	CHECKED BY: SAM
PROJECT NO: 1801-06	DRAWING NO: A-104	REVISION: 1

NOTES: THE CONTRACTOR SHALL SUPPLY AND INSTALL ALL EQUIPMENT  
AS SHOWN OR ENGINEER APPROVED EQUAL







STRUCTURAL PLAN

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

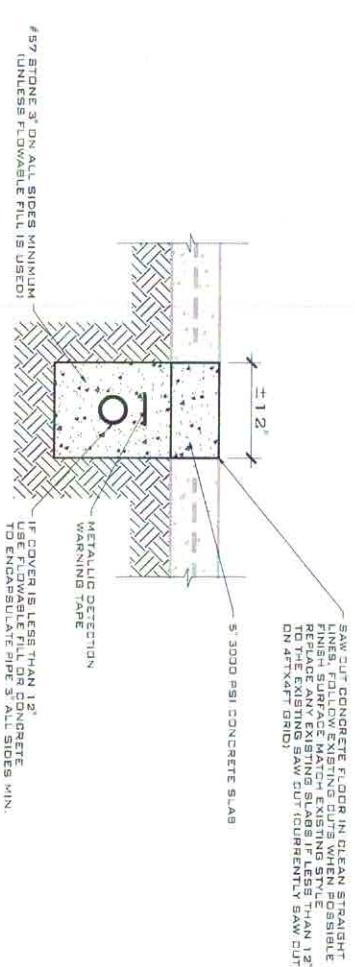
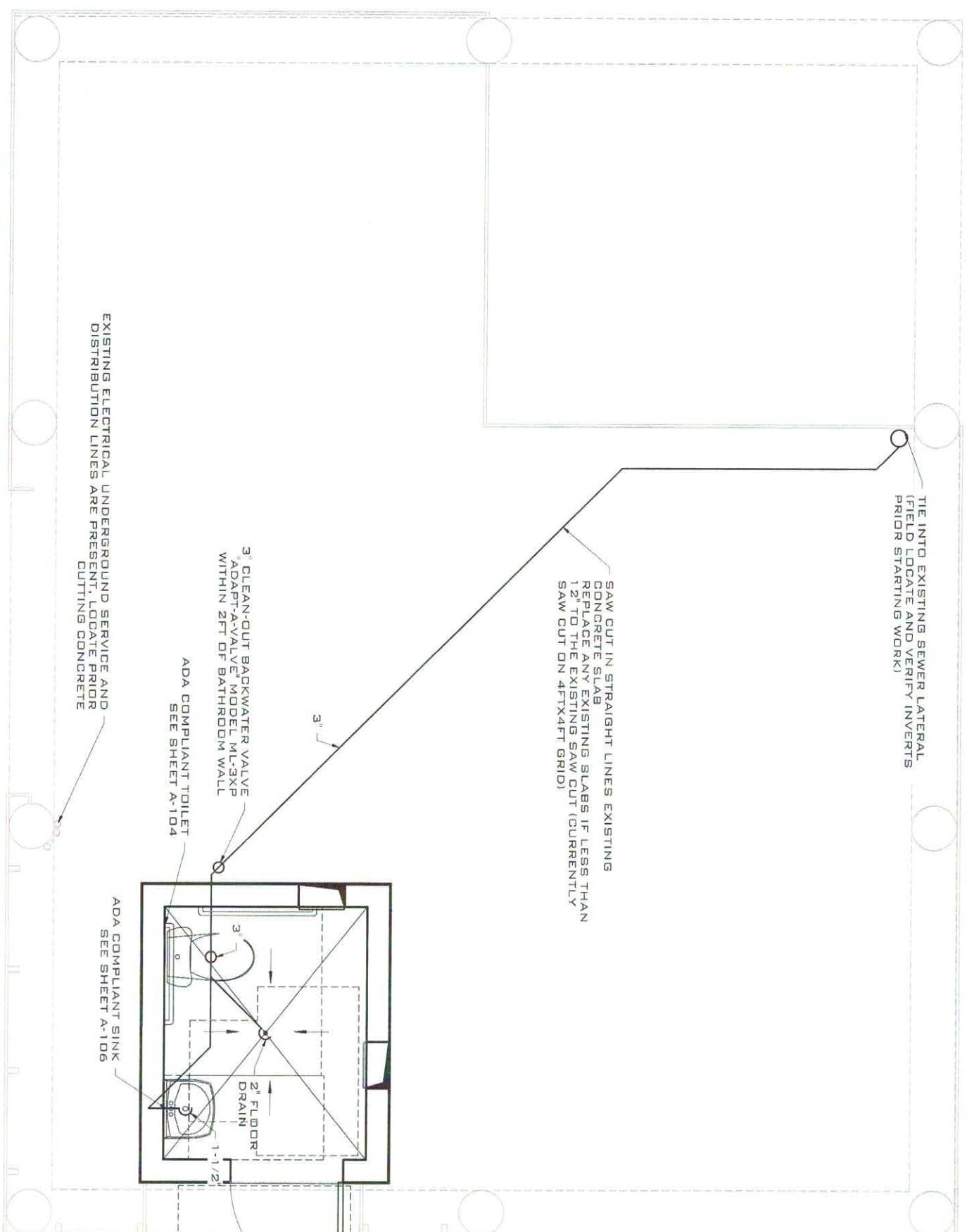
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PROJECT: SCHOONER WHARF ADA BATHROOM		
SITE: 202 WILLIAM ST. KEY WEST, FL 33040		
TITLE: STRUCTURAL PLAN		
SCALE: 1/2" = 1'-0"	DATE: 02/26/10	DRAWN: GEA
AS SHOWN	02/26/10	GEA
PROJECT NO: 1801-06	DRAWING NO: S-102	CHECKED: SAM
		REVISION: 1









## PROPOSED PLUMBING PLAN

SCALE: 3/8" = 1'-0"

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KEY WEST, FL 33040

**PROJECT:**  
SCHODDER WHARF  
ADA BATHROOM

SITE:  
202 WILLIAM ST,  
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TITLE: PLUMBING PLAN

SCALE AT 1/16"=1'-0"	DATE:	DRAWN:	CHECKED:
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PROJECT NO:	DRAWING NO:	REVISION	
1801-06	P-100	1	





TIE INTO EXISTING SEWER LATERAL (FIELD LOCATE AND  
VERIFY INVERTS PRIOR STARTING WORK)

3" CLEAN-OUT BACKWATER VALVE  
ADAPT-A-VALVE MODEL ML-3XP  
WITHIN 2FT OF BATHROOM WALL

2" FLOOR DRAIN

1 1/2"

1-1/2" AIR ADMITTANCE VALVE

## PLUMBING RISER

SCALE: NTS

### PLUMBING NOTES:

1. ALL WORK AND MATERIALS SHALL BE IN COMPLIANCE WITH FBC 2017 PLUMBING AND LOCAL STANDARDS.
2. ALL SANITARY SEWER PIPING SHALL BE SCH 40 PVC.
3. ALL INTERIOR WATER SUPPLY PIPING SHALL BE CPVC.
4. PLUMBING CONTRACTORS SCOPE OF WORK INCLUDES ALL MATERIALS, VALVES, FITTINGS, VENTS ETC. REQUIRED FOR A COMPLETE AND OPERATIONS SYSTEM.
5. ALL PLUMBING FIXTURES SHALL BE APPROVED BY OWNER PRIOR PURCHASING AND INSTALLATION.
6. THE SYSTEM SHALL BE FLUSHED AND TESTED BY THE CONTRACTOR IN ACCORDANCE WITH FBC PLUMBING 2014 SECTION 312. ALL TESTS SHALL BE WITNESSED BY THE ENGINEER, UTILITY REPRESENTATIVE AND BUILDING INSPECTOR (UNLESS APPROVED OTHERWISE).
7. WATER HEATER SHALL BE INSTALLED WITH ALL NECESSARY VACUUM BREAKERS AND PRESSURE RELIEVE VALVES AS RECOMMENDED BY THE MANUFACTURER AND REQUIRED BY CODE.

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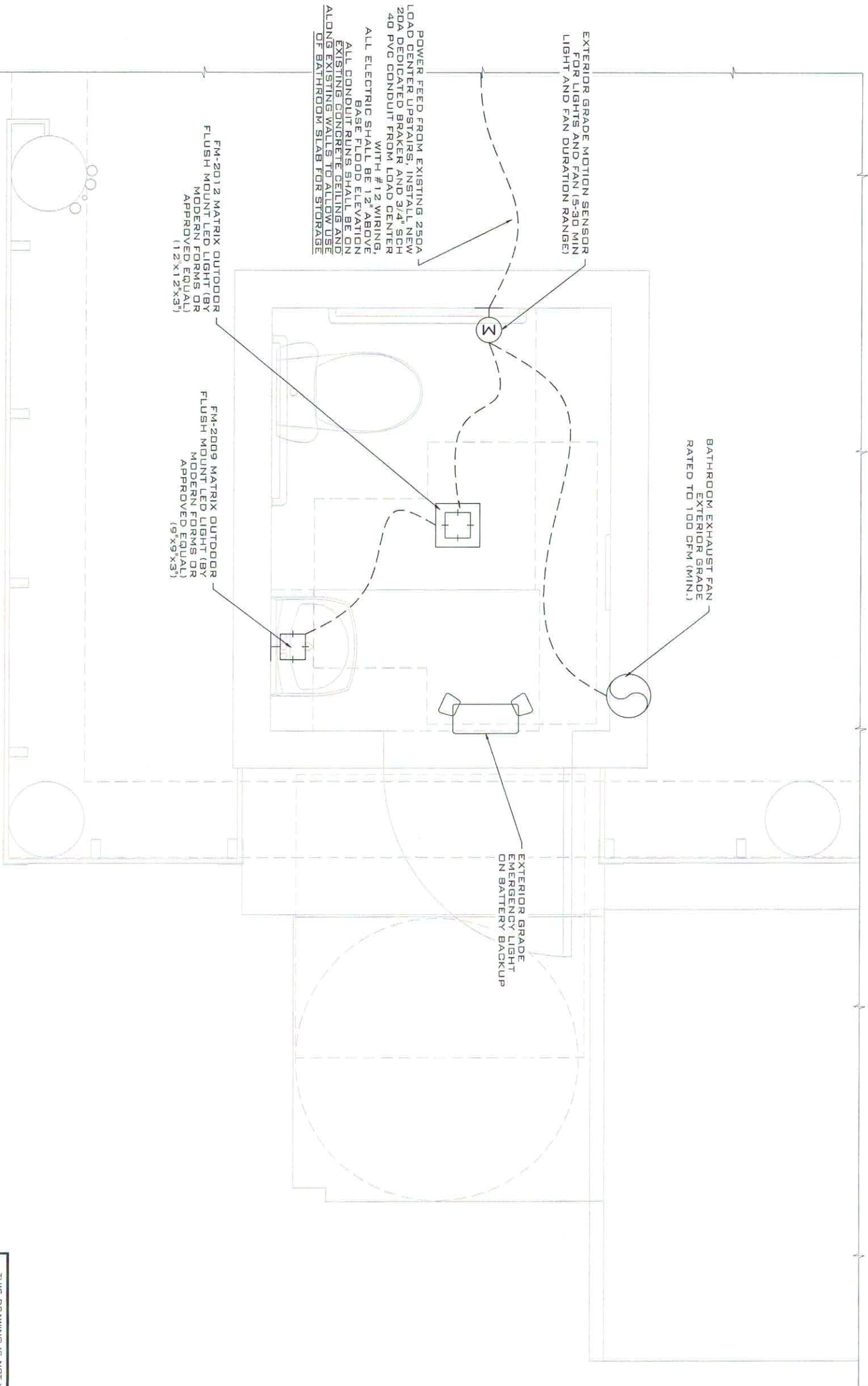
**PROJECT:**  
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**TITLE:**  
PLUMBING RISER

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PROPOSED ELECTRICAL PLAN

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CA # 30835

CLIENT: CITY OF KEY WEST  
ENGINEERING DEPARTMENT  
1300 WHITE ST,  
KEY WEST, FL 33040  
PROJECT: SCHOONER WHARF  
ADA BATHROOM

SITE: 202 WILLIAM ST,  
KEY WEST, FL 33040

TITLE: ELECTRICAL PLAN

SCALE AT 1/4"=1'-0"	DATE:	DRAWN:	CHECKED:
AS SHOWN	02/26/18	GEA	BAM
PROJECT NO:	DRAWING NO:		REVISION:
1801-06	E-100		1



ELECTRICAL SYMBOL LEGEND

	20A/120V DUPLEX RECEPTACLE W/ GROUNDING		PHOTOCELL		
	20A/120V SINGLE RECEPTACLE W/ GROUNDING		RECESSED LIGHT FIXTURE, SUBSCRIPT FOR FIXTURE GROUP DESIGNATION		CEILING FAN
	20A/120V SPLIT WIRED DUPLEX RECEPTACLE W/ GROUNDING		CEILING MOUNT LIGHT FIXTURE, SUBSCRIPT FOR FIXTURE GROUP DESIGNATION		
	20A/120V GROUND FAULT CIRCUIT INTERRUPTER DUPLEX OUTLET		WALL MOUNT LIGHT FIXTURE, SUBSCRIPT FOR FIXTURE GROUP DESIGNATION		CEILING FAN W/LIGHT
	20A/120V GROUND FAULT CIRCUIT INTERRUPTER DUPLEX OUTLET W/ WATERPROOF COVER		WALL MOUNT LIGHT FIXTURE, WATERPROOFED, SUBSCRIPT FOR FIXTURE GROUP DESIGNATION		POWER PANEL, SWITCHBOARD
	20A/120V FLOOD DUPLEX RECEPTACLE W/ GROUNDING		EMERGENCY LIGHT FIXTURE, RECHARGEABLE BATTERY TYPE		
	SPECIAL PURPOSE OUTLET, SUBSCRIPT FOR IDENTIFICATION		CEILING MOUNT EXIT SIGN		
	SINGLE POLE SWITCH, SUBSCRIPT FOR FIXTURE GROUP DESIGNATION		WALL MOUNT EXIT SIGN		CEILING MOUNT FLUORESCENT LIGHT FIXTURE, SUBSCRIPT FOR FIXTURE GROUP DESIGNATION
	2-WAY SWITCH, SUBSCRIPT FOR FIXTURE GROUP DESIGNATION		TWO SIDE EXIT SIGN		WALL MOUNT FLUORESCENT LIGHT FIXTURE, SUBSCRIPT FOR FIXTURE GROUP DESIGNATION
	3-WAY SWITCH, SUBSCRIPT FOR FIXTURE GROUP DESIGNATION		EXHAUST FAN		
	4-WAY SWITCH, SUBSCRIPT FOR FIXTURE GROUP DESIGNATION		EXHAUST FAN W/ LIGHT		PULL BOX
	DIMMER SWITCH, SUBSCRIPT FOR FIXTURE GROUP DESIGNATION		SERVICE RATED NON-FUSABLE DISCONNECT SWITCH		GROUND
	TIMER SWITCH, SUBSCRIPT FOR FIXTURE GROUP DESIGNATION		GENERATOR		IONIZATION SMOKE DETECTOR
	MOTION SENSOR, WALL MOUNT		TV CABLE OUTLET		CARBON MONOXIDE DETECTOR
	JUNCTION BOX, CEILING MOUNT		TELEPHONE OUTLET		POWER COMPANY METER
	DOOR BELL		TELEPHONE/DATA OUTLET		UTILITY POLE
	240V TANKLESS WATER HEATER				TRACK LIGHTING SYSTEM L&L MONORAIL SYSTEM LAMP: MODO FINISH: BRONZE BULB: MR16 LAMP (6w LED) (OWNER SHALL APPROVE AL FIXTURES PRIOR TO ORDERING AND INSTALL)
	EXTERIOR WALL SCONCE				

NOTES:

1. ALL WORK SHALL BE PER NATIONAL ELECTRIC CODE, FBC 6TH EDITION (2017), LOCAL POWER COMPANY RULES AND ANY OTHER APPLICABLE STANDARDS.
2. DRAWINGS SHOWN ARE DIAGRAMATIC IN NATURE AND WILL NOT SHOW ALL FITTINGS, BENDS AND ACCESSORIES REQUIRED FOR THE CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR EVALUATING FIELD CONDITIONS PRIOR COMMENCING THE WORK.
3. CONTRACTOR SHALL VERIFY AND TEST GROUNDING AND INSURE IT COMPLIES WITH LATEST NEC.
4. ELECTRICAL CONDUIT SHALL BE BEDDED IN COMPACTED CLEAN PEA-ROCK 6" ALL SIDES MINIMUM.
5. ALL BACKFILL MATERIAL SHALL BE COMPACTED TO 95% OF STANDARD PROCTOR TEST.
6. ALL ELECTRICAL EQUIPMENT SHALL BE GROUNDED PER NEC.
7. ALL HARDWARE AND EQUIPMENT SHALL BE UL LABELED AND UV RATED FOR EXTERIOR USE.
8. CONTRACTOR SHALL NOT CUT ANY STRUCTURAL MEMBERS WITHOUT PRIOR APPROVAL BY THE ENGINEER.
9. MINIMUM WIRE SIZES SHALL BE #12 THHN/THWN UNLESS OTHERWISE IS SPECIFIED.
10. ALL CONDUCTORS SHALL BE COPPER RUN IN GALVANIZED METALLIC CONDUITS UNLESS OTHERWISE IS SPECIFIED.
11. ALL PULL AND JUNCTION BOXES SHALL BE ACCESSIBLE AT ALL TIMES.
12. ALL CONDUCTORS SHALL BE RAN WITHOUT SPLICES.
13. ALL FIXTURES SHALL BE SUPPORTED IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS AND PER NEC.
14. SMOKE DETECTORS SHALL BE HARDWIRED AND HAVE BATTERY BACK-UP. INTERCONNECTION OF THE DETECTORS SHALL ALLOW ALL TO SOUND AT ONCE.
15. ALL BREAKERS SHALL BE COMBINATION AFCI UNLESS OTHERWISE IS PERMITTED BY THE LATEST NEC.
16. ALL RECEPTACLES IN BATHROOMS, KITCHEN AND GARAGE SHALL BE GROUND FAULT CIRCUIT INTERRUPTED TYPE (GFCI).
17. ALL OUTDOOR RECEPTACLES SHALL BE WATER AND TAMPERPROOF GFCI TYPE.
18. BRANCH CIRCUITS SHALL BE PROPERLY BALANCED.
19. ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES TO ELIMINATE CONFLICTS AND PROVIDE FUNCTIONAL SYSTEM.
20. FOUNDATION REINFORCEMENT SHALL BE BONDED WITH GROUNDING PER NEC.
21. ALL ELECTRICAL EQUIPMENT SHALL BE LOCATED 12" ABOVE BASE FLOOD ELEVATION.
22. STYLES OF ALL ELECTRICAL FIXTURES, OUTLETS, SWITCHES SHALL BE REVIEWED AND APPROVED BY THE OWNER PRIOR ANY PURCHASING OR INSTALLATION.

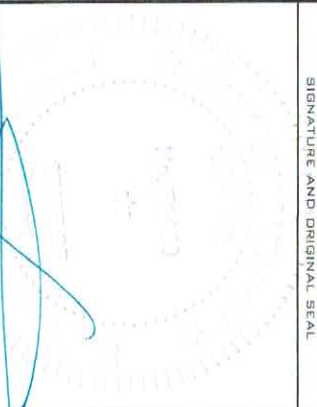
REV/DESCRIPTION:	BY:	DATE:
FINAL		

**ARTIBUS DESIGN**  
ENGINEERING AND PLANNING

ARTIBUS DESIGN  
3706 N. ROOSEVELT BLVD  
SUITE 1-208  
KEY WEST, FL 33040  
(305) 304-3512  
WWW.ARTIBUSDESIGN.COM  
CA # 30835

CLIENT:	CITY OF KEY WEST ENGINEERING DEPARTMENT 1300 WHITE ST. KEY WEST, FL 33040
PROJECT:	SCHOONER WHARF ADA BATHROOM

THIS DRAWING IS NOT VALID WITHOUT THE  
SIGNATURE AND ORIGINAL SEAL



SIGNATURE:  
DATE: **APR 09 2018**

SEERGE MASHTAKOV  
PROFESSIONAL ENGINEER  
STATE OF FLORIDA  
LICENSE NO 71480

SITE:	202 WILLIAM ST. KEY WEST, FL 33040
TITLE:	ELECTRICAL PANEL
SCALE: AT 1/8"=1'-0"	DATE: DRAWN: CHECKED: AS SHOWN 02/26/18 GEA BAM PROJECT NO: DRAWING NO: REVISION: 1801-06 E-101 1