

**GENERAL NOTES**

- ALL WORK SHALL COMPLY WITH ALL LAWS, RULES, REGULATIONS, ORDINANCES AND CODES OF THE CITY OF KERRVILLE, THE STATE OF TEXAS, AND THE FEDERAL GOVERNMENT.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE EXTENT, NATURE, AND SCOPE OF WORK DESCRIBED IN THESE DOCUMENTS AND SHALL COORDINATE WITH THE ARCHITECT WORK SHOWN AND DESCRIBED IN THESE DOCUMENTS. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, TRANSPORTATION, DELIVERY, HANDLING, SERVICES, SUPERVISION AND QUALITY CONTROL NECESSARY TO EXECUTE ALL WORK AS SHOWN ON THESE DRAWINGS EXCEPT WHERE SPECIFICALLY NOTED AS NOT IN CONTRACT (NIC). CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH THAT OF ALL TRADES INCLUDING THOSE OPERATING UNDER SEPARATE CONTRACTS WITH THE OWNER (IF ANY). ALL WORK SHALL BE PERFORMED BY SKILLED AND QUALIFIED WORKMEN IN ACCORDANCE WITH THE BEST PRACTICES OF THE TRADES INVOLVED.
- ALL DIMENSIONS, ANGLES, ELEVATIONS, CONDITIONS, AND PHYSICAL CONFIGURATIONS RELATIVE TO EXISTING CONDITIONS AT THE SITE SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO COMMENCING CONSTRUCTION. BEFORE ORDERING ANY MATERIAL OR DOING ANY WORK, THE CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AT THE SITE AND SHALL BE RESPONSIBLE FOR THE CORRECTNESS OF SAME. NO ALLOWANCE SHALL BE MADE ON ACCOUNT OF DIFFERENCES BETWEEN ACTUAL DIMENSIONS/MEASUREMENTS AND THOSE INDICATED ON THE DRAWINGS. ANY DIFFERENCES FOUND BETWEEN ACTUAL DIMENSIONS AND DIMENSIONS INDICATED ON DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT FOR CONSIDERATION BEFORE PROCEEDING WITH THE AFFECTED WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR COORDINATION OF NEW WORK WITH EXISTING AND TO REPAIR ANY PART OF THE EXISTING BUILDINGS DAMAGED DUE TO THIS PROJECT WITH MATERIALS TO MATCH EXISTING.
- ALL HVAC WORK SHALL CONFORM TO 2012 INTERNATIONAL MECHANICAL CODE AND NFPA 90A-2012 AND APPLICABLE ASHRAE STANDARDS.
- ALL PLUMBING WORK THAT IS A PART OF THIS PROJECT SHALL CONFORM TO THE TEXAS PLUMBING CODE AND THE STATE SANITARY CODE CURRENT EDITION STANDARDS, REQUIREMENTS AND SPECIFICATIONS. ALL PLUMBING WORK SHALL BE PERFORMED BY A LICENSED PLUMBER WITH A LICENSE TO DO COMMERCIAL PLUMBING WORK IN THE STATE OF TEXAS.
- ALL ELECTRICAL WORK SHALL CONFORM TO THE ICC ELECTRICAL CODE 2012, NFPA 70-2011 AND SHALL BE DONE TO THE HIGHEST COMMERCIAL STANDARDS. ALL ELECTRICAL WORK SHALL CONFORM TO THE CITY OF NEW ORLEANS REQUIREMENTS. ALL ELECTRICAL WORK SHALL BE PERFORMED BY LICENSED ELECTRICIANS, PROPERLY LICENSED TO DO COMMERCIAL WORK IN THE STATE OF TEXAS. ALL ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE UL APPROVED AND LABELED FOR THE INTENDED USE.
- CAP ALL NATURAL GAS LINES THAT EXIST IN ELEVATOR SHAFT SPACE.
- CONTRACTOR SHALL VISIT SITE AND EXAMINE ALL EXISTING CONDITIONS PRIOR TO SUBMITTING PROPSAL. HE SHALL FAMILIARIZE HIMSELF COMPLETELY WITH THE DIFFICULTIES AND RESTRICTIONS AFFECTING THE EXECUTION OF THE CONTRACT.
- ALL PRODUCTS, MATERIALS AND EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURERS' PRINTED INSTRUCTIONS AND SPECIFICATIONS, IN COMPLIANCE WITH ALL APPLICABLE CODES, AND WITHIN THE HIGHEST ACCEPTED COMMERCIAL TRADE STANDARDS BY SKILLED, EXPERIENCED, TRAINED AND COMPETENT CRAFTSMEN. USE ONLY NEW MATERIALS. MATERIALS SHALL BE USED ONLY FOR THE PURPOSE WHICH THEY ARE DESIGNED/INTENDED.
- ALL ASPECTS OF JOB SITE SAFETY ARE COMPLETELY THE RESPONSIBILITY OF THE CONTRACTOR. THE ARCHITECT WILL NOT HAVE CONTROL OR CHARGE OF AND WILL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. CONTRACTOR SHALL PERFORM ALL WORK IN A SAFE AND ORDERLY MANNER AVOIDING HAZARDOUS CONDITIONS. PROVIDE ALL NECESSARY TEMPORARY SHORING, BRACING, BARRICADES AND PROTECTIVE BARRIERS AS REQUIRED TO INSURE SAFE EXECUTION OF CONSTRUCTION.
- THE ARCHITECT HAS NOT BEEN RETAINED OR COMPENSATED TO PROVIDE DESIGN OR CONSTRUCTION REVIEW SERVICES RELATING TO JOBSITE SAFETY AND CONTRACTOR'S SAFETY PRECAUTIONS AND PROGRAMS OR RELATING TO MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES REQUIRED FOR THE CONTRACTOR TO PERFORM HIS WORK. HENCE, THE ARCHITECT IS NOT RESPONSIBLE OR LIABLE IN ANY WAY FOR MATTERS ASSOCIATED WITH JOBSITE SAFETY OR SCHEDULING OF CONSTRUCTION WORK. MITTED SERVICES INCLUDE BUT ARE NOT LIMITED TO SHORING, BRACING, SCAFFOLDING, UNDERPINNING, NEEDLING, TEMPORARY RETAINMENT OF EXCAVATIONS AND ANY ERECTION METHODS AND TEMPORARY BRACING AND GUYS. CONTRACTOR SHALL CONTINUOUSLY AND CONSTANTLY MAINTAIN SAFETY OF THE STRUCTURE, WORKERS AND THE GENERAL PUBLIC UNDER THE DIRECTION OF HIS OWN PROFESSIONAL ENGINEER. NO STRUCTURAL MEMBER SHALL BE CUT OR MANIPULATED IN ANY WAY WITHOUT PRIOR APPROVAL. THE CONTRACTOR SHALL TAKE ALL ACTIONS REQUIRED AND SHALL BE FULLY RESPONSIBLE FOR THE STABILITY OF THE STRUCTURE UNDER CONSTRUCTION AND FOR THE SAFETY OF THE WORKERS AND THE GENERAL PUBLIC.
- WORK AREAS SHALL BE KEPT NEAT, CLEAN, AND SAFE AT ALL TIMES BY CONTRACTOR. TRASH OR DEBRIS SHALL NOT BE ALLOWED TO ACCUMULATE ON THE SITE. PREMISES SHALL BE KEPT NEAT, CLEAN ORDERLY AND SAFE AT ALL TIMES. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SUITABLE TRASH CONTAINERS AND TRASH REMOVAL FOR THE PROPERTY. ALL WASTE SHALL BE PROPERLY AND LEGALLY DISPOSED OF.
- DO NOT SCALE ANY DRAWINGS WITHOUT SPECIFIC PERMISSION OF THE ARCHITECT. WRITTEN DIMENSIONS SHALL GOVERN. CONSULT ARCHITECT FOR DIMENSIONS NOT SHOWN.
- THE CONTRACTOR SHALL CAREFULLY EXAMINE THE DRAWINGS AND NOTES AND SECURE FROM THE ARCHITECT ANY ADDITIONAL INFORMATION, IF NECESSARY, THAT MAY BE REQUIRED FOR A COMPLETE, CLEAR AND FULL UNDERSTANDING OF THE WORK. TO ESTABLISH THE COMPLETE SCOPE OF WORK AND TO ACHIEVE CLOSE COORDINATION BETWEEN ALL TRADES, EACH TRADE SHALL COMPLETELY REVIEW ALL DRAWINGS, AND THE ENTIRE PROJECT MANUAL, NOT ONLY THE DRAWINGS AND SPECIFICATIONS FOR HIS RESPECTIVE TRADE, BUT ALSO FOR THE WORK OF ALL OTHER TRADES AS WELL. NO TRADE SHALL PROCEED WITH ORDERING OR INSTALLATION OF ANY MATERIALS AND/OR EQUIPMENT WITHOUT FIRST COORDINATING WITH ALL OTHER TRADES. CONTRACTOR SHALL COORDINATE SUBCONTRACTOR'S WORK REQUIREMENTS TO ENSURE THAT WORK CAN PROCEED CONTINUOUSLY AND EXPEDITIOUSLY AND WILL PROVIDE THE BEST RESULTS FOR THE COMPLETED WORK. TITLES AND NAMES ON DRAWINGS ARE PROVIDED MERELY FOR CONVENIENCE AND SHALL NOT BE CONSTRUED AS A SEGREGATION OF THE UNITS OF MATERIALS AND/OR LABOR INTO TRADES.
- THE DRAWINGS ARE INTENDED TO DEFINE THE GENERAL DESIGN AND SCOPE OF THE WORK REQUIRED TO COMPLETE THE PROJECT. IT IS THE INTENT OF THESE DOCUMENTS TO PROVIDE FOR COMPLETE AND FINISHED WORK AND COMPLETE AND OPERATING SYSTEMS. ANY OMISSIONS IN THESE NOTES OR IN THE DRAWINGS SHALL NOT BE CONSIDERED AS RELIEVING THE CONTRACTOR OF SUCH RESPONSIBILITIES IMPLIED BY THE SCOPE OF WORK EXCEPT FOR ITEMS SPECIFICALLY NOTED AS NOT IN THE CONTRACT. THE CONTRACTOR SHALL CAREFULLY EXAMINE THE CONSTRUCTION DOCUMENTS AND SECURE FROM THE ARCHITECT ADDITIONAL INFORMATION, IF NECESSARY, THAT MAY BE REQUISITE TO A CLEAR AND FULL UNDERSTANDING OF THE WORK. ALL MISCELLANEOUS COMPONENTS, PARTS, ANCHORS, AND ACCESSORIES, MEANS OF INSTALLATION, AND OTHER INCIDENTAL ITEMS REQUIRED FOR COMPLETE ASSEMBLY/INSTALLATION OF AN ITEM OR SYSTEM SHALL BE PROVIDED, WHETHER OR NOT SPECIFICALLY NOTED OR SPECIFIED. THE CONTRACTOR SHALL INCLUDE ALL COMPONENTS WHICH ARE NORMALLY INCIDENTAL TO THE WORK, THOSE COMPONENTS WHICH ARE REQUIRED AS AN ESSENTIAL AESTHETIC, FUNCTIONAL, OR CODE REQUIRED ELEMENT OF THE WORK ARE TO BE INCLUDED. ANY WORK OR MATERIAL THAT IS NOT DIRECTLY OR INDIRECTLY NOTED ON THE DRAWINGS BUT IS NECESSARY FOR THE PROPER CARRYING OUT OF THE OBVIOUS INTENTION IS TO BE UNDERSTOOD AS "IMPLIED" AND IS TO BE PROVIDED BY THE CONTRACTOR AS FULLY AS IF SPECIFICALLY DESCRIBED OR DELINEATED HEREIN. ANY DISCREPANCIES IN THE DRAWINGS SHALL BE REPORTED TO THE ARCHITECT FOR INTERPRETATION OR CORRECTION BEFORE WORK IS EXECUTED.
- PRIOR TO START OF WORK, CONTRACTOR SHALL DETERMINE AND PROPERLY ALLOW FOR EXACT ANCHORING, BRACING, BLOCKING, AND INSTALLATION MEANS OF ALL COMPONENTS OF WORK.
- ALL WORK WILL BE SUBJECT TO THE REVIEW, INSPECTION, AND ACCEPTANCE OF THE OWNER (AND THE ARCHITECT AT THE DISCRETION OF THE OWNER). UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE CONTRACTOR SHALL PREPARE AND SUBMIT A LIST OF DEFICIENCIES ("PUNCH LIST") OF ALL NEEDED CORRECTIONS, UNSATISFACTORY WORK AND INCOMPLETE WORK.
- ALL PERMITS, LICENSES, APPROVALS, REVIEWS, AND INSPECTIONS NECESSARY FOR THE PROPER AND LEGAL EXECUTION AND COMPLETION OF THE WORK SHALL BE SECURED BY AND PAID FOR BY THE CONTRACTOR. CONTRACTOR SHALL GIVE ALL NOTICES TO ALL AUTHORITIES AND AGENCIES HAVING JURISDICTION OVER THE WORK. CONTRACTOR SHALL MAKE CERTAIN THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED PRIOR TO THE START OF ANY WORK. NO CONSTRUCTION OR FABRICATIONS SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL DRAWINGS AND OTHER DOCUMENTS AS APPROVED BY ALL PERMITTING AUTHORITIES.
- CONTRACTOR SHALL PAY ALL APPLICABLE SALES TAXES AND ALL OTHER APPLICABLE TAXES AS REQUIRED TO COMPLY WITH ALL APPLICABLE LAWS.
- PROJECT INCLUDES ALL REQUIRED SITE PREPARATION AND SELECTIVE DEMOLITION UNLESS SPECIFICALLY NOTED AS N.I.C. PROTECT ALL SURROUNDING AREAS DURING CONSTRUCTION. PROTECT ALL EXISTING CONSTRUCTION TO REMAIN DURING ENTIRE CONSTRUCTION PERIOD. PROTECT EMPLOYEES, CONSULTANTS, VISITORS, AND THE GENERAL PUBLIC DURING DEMOLITION/CONSTRUCTION. CONTRACTOR SHALL LIMIT AND CONTAIN HIS WORK AND THE AFFECTS OF HIS WORK TO A LIMITED WORK AREA. RESTORE ALL AREAS TO PRE-CONSTRUCTION CONDITIONS OR BETTER AT SUBSTANTIAL COMPLETION. CONTRACTOR SHALL REVIEW WITH THE OWNER IN THE FIELD ALL EXISTING DAMAGE TO EXISTING CONSTRUCTION AND SITE. A DETAILED LIST SHALL BE PREPARED BY THE CONTRACTOR AND APPROVED BY THE OWNER PRIOR TO THE START OF WORK. ANY DAMAGE NOT ON THE APPROVED LIST SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CORRECT. IT IS SUGGESTED THAT THE LIST BE SUPPLEMENTED WITH PHOTOGRAPHS AND/OR VIDEOS.
- DURING THE CONSTRUCTION PERIOD, ANY DISCREPANCIES, CONFLICTS, AND/OR QUESTIONS OF INTERPRETATIONS IN THE DRAWINGS OR SPECIFICATIONS SHALL BE SUBMITTED TO THE ARCHITECT PROMPTLY FOR CLARIFICATION. THE ARCHITECT WILL ISSUE WRITTEN INSTRUCTIONS TO THE CONTRACTOR CLARIFYING SUCH MATTERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR VERBAL INSTRUCTIONS. NO ALLOWANCE SHALL BE MADE AFTER THE START OF CONSTRUCTION FOR MISUNDERSTANDINGS ON THE PART OF THE CONTRACTOR. IT SHALL BE HELD THAT THE CONTRACTOR AND HIS SUBCONTRACTORS/MATERIAL SUPPLIERS HAVE EXAMINED ALL DRAWINGS/DOCUMENTS AND THE SITE FOR PROPER COMPREHENSION OF THE WORK.
- CONTRACTOR SHALL EMPLOY EXPERIENCED, FULLY QUALIFIED AND LICENSED SUBCONTRACTORS AND MAINTAIN COOPERATION AMONG ALL TRADES.
- THE CONTRACTOR SHALL SUBCONTRACT WITH SUPPLIERS, FABRICATORS, AND INSTALLERS THAT CAN DEMONSTRATE THAT THEY POSSESS THE KNOWLEDGE, EXPERIENCE, EXPERTISE, PERSONNEL, AND PROVED CAPABILITIES IN THE WORK SPECIFIED TO FULLY PERFORM ALL ASPECTS OF THE WORK (OR A SPECIFIC DESIGNATED PORTION OF THE WORK REQUIRED WITHOUT OMISSION OR EXCEPTION)
- THE FOLLOWING SYSTEMS SHALL BE DEMONSTRATED BY THE INSTALLING CONTRACTOR IN THE PRESENCE OF THE VA REPRESENTATIVE (WITH THE CONTRACTORS SUPERINTENDENT PRESENT ALSO).  
AUTOMATIC FIRE PROTECTION SPRINKLE SYSTEM (MUST PROVIDE MATERIALS & TEST CERTIFICATE)  
ELEVATOR SYSTEM (MUST PROVIDE MATERIALS & TEST CERTIFICATE)
- PRECAUTIONS AND PROTECTIVE MEASURES SHALL BE USED AS NECESSARY TO PROTECT WORKERS, GUESTS, VISITORS, STAFF AND THE GENERAL PUBLIC. ERECT SUITABLE TEMPORARY BARRIERS AT HAZARDOUS AREAS TO DETOUR PEDESTRIAN TRAFFIC AND TO PREVENT NORMAL ACCESS TO SUCH AREAS BY UNAUTHORIZED PERSONS.
- CONTRACTOR SHALL COMPLY WITH NFPA 101:4.6.10.2 IN BUILDINGS UNDER CONSTRUCTION, ADEQUATE ESCAPE FACILITIES SHALL BE MAINTAINED AT ALL TIMES FOR USE OF CONSTRUCTION WORKERS. ESCAPE FACILITIES SHALL CONSIST OF DOORS, WALKWAYS, STAIRS, RAMPS, FIRE ESCAPES, LADDERS, OR OTHER APPROVED MEANS OR DEVICES ARRANGED IN ACCORDANCE WITH THE GENERAL PRINCIPLES OF NFPA 101 INSOFAR AS THEY CAN REASONABLY APPLIED TO BUILDINGS UNDER CONSTRUCTION AS INTERPRETED BY THE STATE FIRE MARSHAL. ALSO CONFORM TO NFPA 241 - STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION AND DEMOLITION OPERATIONS.
- ALL WORK IS "NEW" UNLESS INDICATED AS "EXISTING" OR OTHERWISE CLARIFIED ON THE DRAWINGS.
- PROVIDE SEALANT/CAULKING AT ALL SEAMS, JOINTS AND MATERIAL INTERSECTIONS FOR A NEAT APPEARANCE.
- PROVIDE UL LISTED FIRSTSTOPPING SYSTEMS AT WALLS, PARTITIONS, CEILING AND FLOORS AS REQUIRED BY IBC 2012, NFPA 101-2012 AND AS INDICATED IN THE CONTRACT DOCUMENTS.

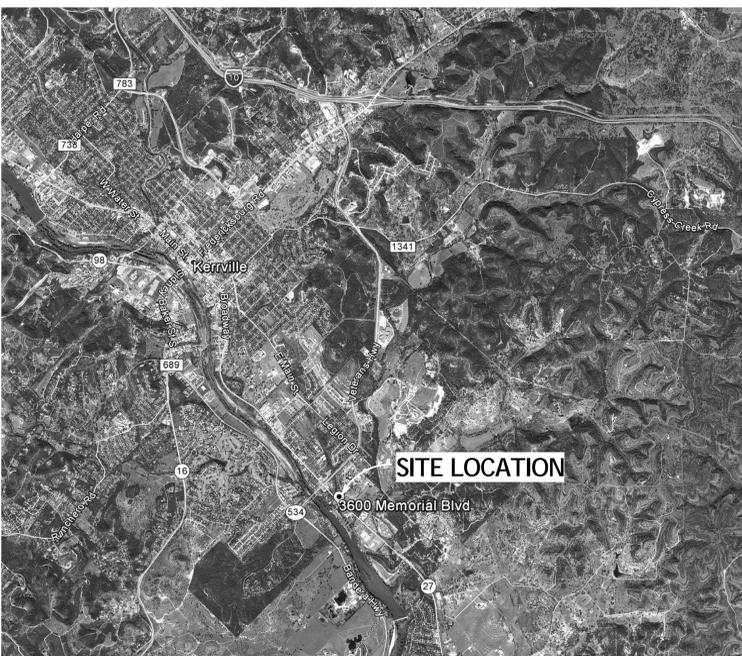
# RENOVATE BLDG. 96 SHOWERS AND BATHS ISSUED FOR CONSTRUCTION

KERRVILLE VA HOSPITAL  
3600 MEMORIAL BLVD  
KERRVILLE, TEXAS 78028

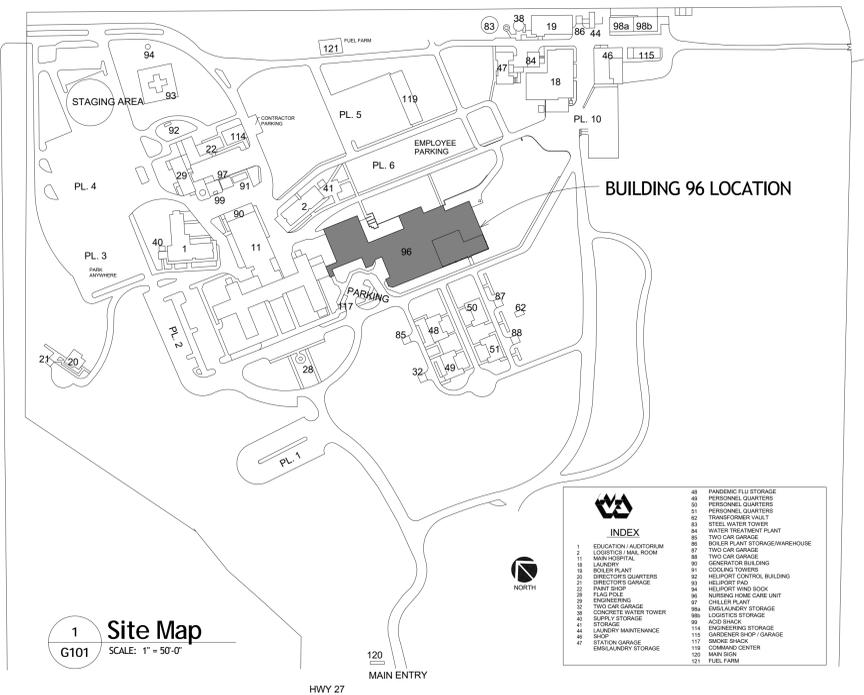
**SHEET INDEX**

G101	TITLE SHEET
G102	REFERENCE AND SYMBOLS
A101	ROOM LOCATIONS AND INFECTIOUS CONTROL NOTES
A201	1B-139 CONGREGATE BATH
A202	136A CONGREGATE BATH
A203	PRIVATE BATHROOMS
A301	1B-139 INTERIOR ELEVATIONS AND DETAILS
A302	136A - INTERIOR ELEVATIONS, DETAILS AND SCHEDULES
A303	INDIVIDUAL BATHROOMS INTERIOR ELEVATIONS
MEP001	MEP GENERAL SYMBOLS & LEGEND
P101	136 & 139 CONGREGATE BATHROOMS
P102	INDIVIDUAL BATHROOMS
P601	PLUMBING SCHEDULES, DETAILS & RISERS
M101	136 & 139 CONGREGATE BATHROOMS
M102	INDIVIDUAL BATHROOMS & MECHANICAL RISERS
E101	1B-139 CONGREGATE BATH
E102	1B-136 CONGREGATE BATH
E103	INDIVIDUAL BATHROOMS
E601	ELECTRICAL SCHEDULES

**VICINITY MAP**



**SITE LOCATION**



1 Site Map  
G101 SCALE: 1" = 50'-0"

Issued For Construction	6/10/2016
Revisions	Date

Consultants:	
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Seal: Royal Engineers & Consultants, LLC  
Texas Registered Engineering Firm 14191

A/E: **ROYAL ENGINEERS & CONSULTANTS, LLC**  
4298 ELYSIAN FIELDS AVENUE  
NEW ORLEANS, LOUISIANA 70122  
www.royalengineering.net

Approved:

PROGRAM MANAGER, PROJECTS	_____
SAFETY/INDUSTRIAL HYGIENE	_____
HEALTH SYSTEM SPECIALIST	_____
MAINTENANCE SUPERVISOR	_____
MAINTENANCE FOREMAN	_____
MAINTENANCE FOREMAN	_____

Drawing Title: **TITLE SHEET**

Approved: Service Engineer \_\_\_\_\_

Approved: Service Director \_\_\_\_\_

Project Title: **RENO. BLDG. 96 SHOWERS AND BATHS**

Date: 6/14/2016 4:59:37 PM

Project No.: 671A-15-124

Building Number	Checked	Drawn
96	MP	IP

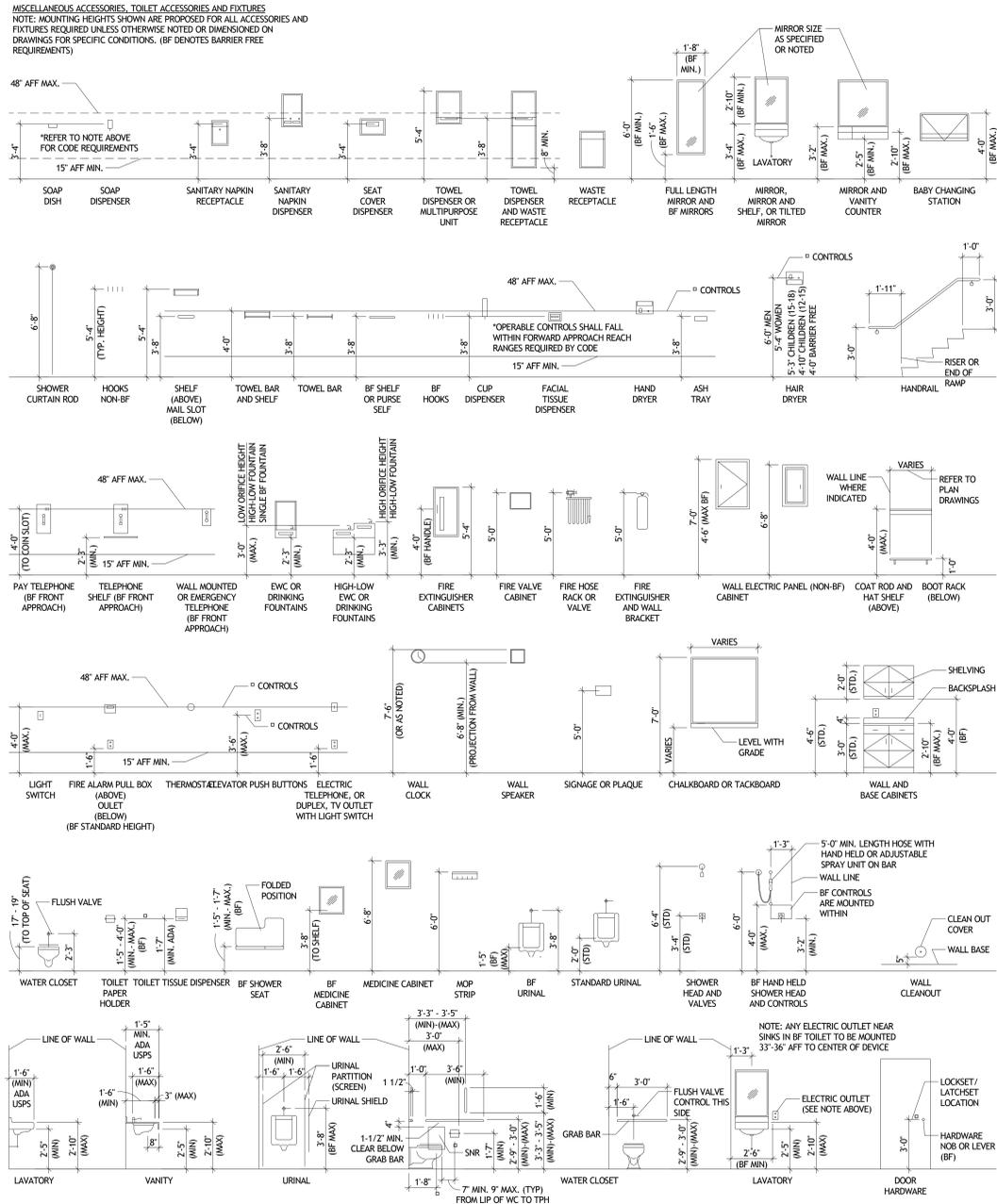
Location: 3600 MEMORIAL BLVD, KERRVILLE, TX 78028

DRAWING NO.: **G101**

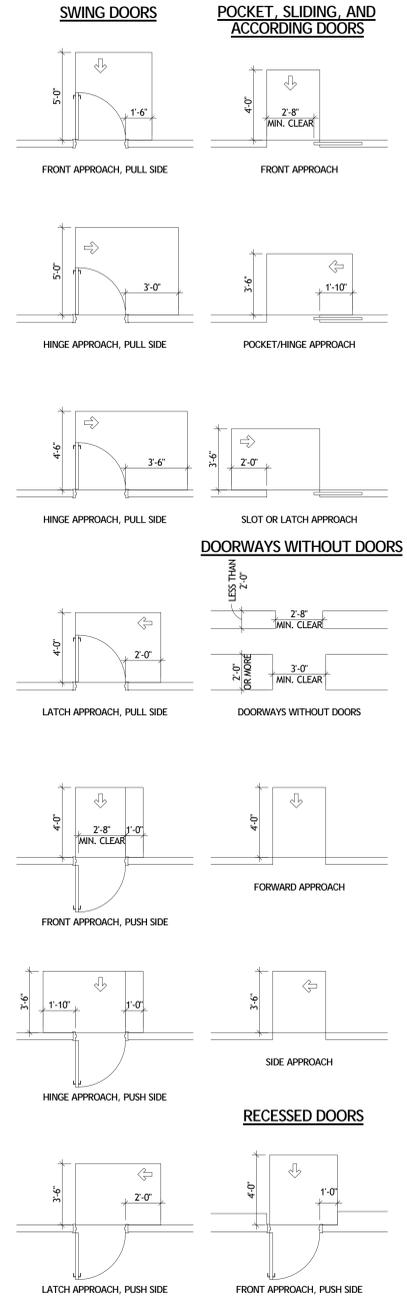
Dwg. Of \_\_\_\_\_

Office of Facilities  
Department of Veterans Affairs

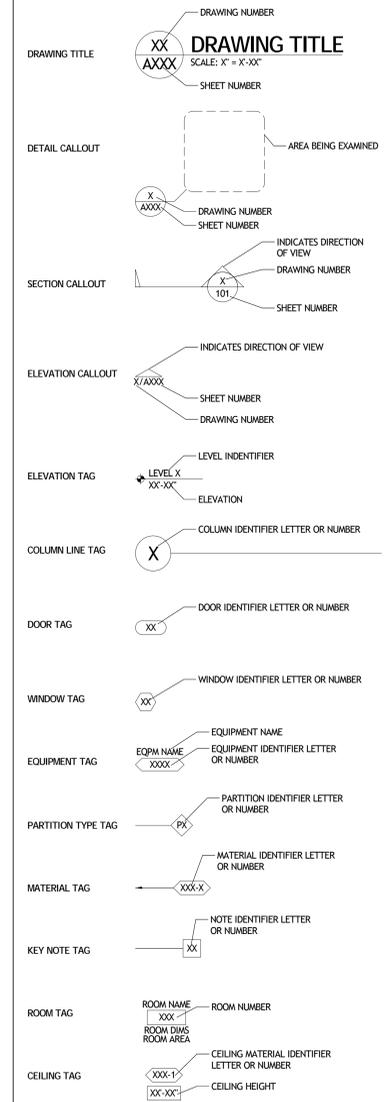
**TYPICAL MOUNTING HEIGHTS  
(ADA AND ANSI A117.1-2003)**



**MINIMUM CLEARANCES FOR MANUAL DOORS  
(ADA AND ANSI A117.1-2003)**



**SYMBOLS AND TAGS**



**ABBREVIATIONS**

∠	ANGLE	ANOD	ANODIZED	CMU	CONCRETE MASONRY UNIT	DSPR	DISPENSER	EXP BT	EXPANSION BOLT	GI	GALVANIZED IRON	ID	INSIDE DIAMETER	MULL	MULLION	POINT	POINT	SHT	SHEET	TEMP	TEMPERED
⊥	CENTERLINE	ARCH	ARCHITECTURAL	CONST	CONSTRUCTION	DIV	DIVISION	EXP JT	EXPANSION JOINT	INSUL	INSULATION	INT	INTERIOR	NRC	NOISE REDUCTION COEFFICIENT	PVC	POLYVINYL CHLORIDE	SIM	SIMILAR	TK BD	TEMPERED
PL	PERPENDICULAR	BRG	BEARING	CONT	CONTINUOUS	DN	DOWN	EXT	EXTERIOR	INT	INTERMEDIATE	INTM	INTERMEDIATE	NOM	NONMINIMAL	PCF	POUNDS PER CUBIC FOOT	SC	SOLID CORE	THK	THICKNESS
ABV	ABOVE	BRG PL	BEARING PLATE	CONTR	CONTRACT	DR	DOOR	FOC	FACE OF CONCRETE	HDW	HARDWARE	INV	INVERT	HR	HEADER	PFL	POUNDS PER LINEAL FOOT	SP	SOUND PROOF	TOL	TOLERANCE
AFP	ABOVE FINISH FLOOR	BM	BENCH MARK	CPT	CARPET	DS	DOWNSPOUT	FOF	FACE OF FINISH	HVAC	HEATING/VENTILATING/AIR CONDITIONING	INV	INVERT	HC	HOLLOW CORE	PSF	POUNDS PER SQUARE FOOT	SPEC	SPECIFICATION	TSL	TOP OF SLAB
ACC	ACCESS	BLK	BLOCKING	CORR	CORRUGATED	D	DRAIN	FOM	FACE OF MASONRY	LD	LOAD BEARING	LBL	LABEL	HM	HOLLOW METAL	OC	ON CENTER	SQ	SQUARE	TYP	TYPICAL
ACC FL	ACCESS FLOOR	BLKG	BLOCKING	CTR	COUNTER	DWG	DRAWING	FOS	FACE OF STUD	LAM	LAMINATE	OPG	OPENING	HT	HEAVY DUTY	OPG	OPENING	SS	STAINLESS STEEL	VERT	VERTICAL
ACC PNL	ACCESS PANEL	BLDG	BUILDING	CTR FLG	COUNTER FLASHING	ELEC	ELECTRICAL	FIN	FINISH(ED)	LAV	LAVATORY	OD	OUTSIDE DIAMETER	HD	HOLLOW CORE	OT	OUTSIDE DIAMETER	REF	REFERENCE	STD	STANDARD
ACCU	ACOUSTICAL	BUR	BUILT UP ROOFING	CU FT	CUBIC FOOT (FEET)	EWC	ELECTRICAL WATER COOLER	FE	FIRE EXTINGUISHER	LB	LOAD BEARING	OA	OVERALL	HC	HOLLOW CORE	REF	REFERENCE	STL	STEEL	VRT	VINYL RESILIENT TILE
ADH	ADHESIVE	CLG	CATCH BASIN	CU YD	CUBIC YARD	EL	ELEVATION	FE	FIRE EXTINGUISHER	MFR	MANUFACTURE(ING)	OA	OVERALL	HM	HOLLOW METAL	REF	REFERENCE	STO	STORAGE	VWC	VINYL WALL COVERING
ADJ	ADJUSTABLE	CLG HGT	CEILING	CU YD	CUBIC YARD	ELEV	ELEVATOR	FP	FIRE PROOF	MTL	METAL	PNT	PANTEL(ING)	REF	REFERENCE	REFR	REFRIGERATOR	STR	STRUCTURAL	WVF	WELDED WIRE FABRIC
AGG	AGGREGATE	CB	CATCH BASIN	CU YD	CUBIC YARD	EMER	EMERGENCY	FLR	FLOORING	MAX	MAXIMUM	PRTN	PARTITION	RES	RESILIENT	RES	RESILIENT	SUSP	SUSPENDED		
A/C	AIR CONDITIONING	CLG	CEILING	CU YD	CUBIC YARD	EQ	EQUIPMENT	FD	FLOOR DRAIN	MIN	MINIMUM	PWMT	PANELMENT	ROD	ROOF DRAIN	REFR	REFRIGERATOR	SWM	SYMMETRICAL		
ALT	ALTERNATE	CLR	CLEARANCE	CU YD	CUBIC YARD	EXH	EXHAUST	FV	FIELD VERIFY	MIR	MIRROR	PL LAM	PLASTIC LAMINATE	RO	ROUGH OPENING	RES	RESILIENT	SYN	SYNTHETIC		
ALUM	ALUMINUM	CONC	CONCRETE	DIA	DIAMETER	EXIST	EXISTING	GA	GAGE, GAUGE	MISC	MISCELLANEOUS	PLY	PLYWOOD	SCH	SCHEDULE	SEC	SECTION	SYS	SYSTEM		
				DIM	DIMENSION			GALV	GALVANIZED	MOV	MOVABLE			PLY WD	PLYWOOD	TEL	TELEPHONE				

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Consultants:

Seal:

A/E:

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4298 ELYSIAN FIELDS AVENUE  
NEW ORLEANS, LOUISIANA 70122  
www.royalengineering.net

Approved:

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HEALTH SYSTEM SPECIALIST \_\_\_\_\_

MAINTENANCE SUPERVISOR \_\_\_\_\_

MAINTENANCE FOREMAN \_\_\_\_\_

MAINTENANCE FOREMAN \_\_\_\_\_

Drawing Title: **REFERENCE AND SYMBOLS**

Approved: Service Engineer \_\_\_\_\_

Approved: Service Director \_\_\_\_\_

Project Title: **RENO. BLDG. 96 SHOWERS AND BATHS**

Date: 6/14/2016 4:59:40 PM

Project No.: 671A-15-124

Building Number: 96

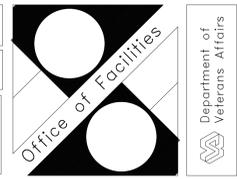
Checked: MP

Drawn: IP

Location: 3600 MEMORIAL BLVD, KERRVILLE, TX 78028

DRAWING NO.: **G102**

Dwg. Of \_\_\_\_\_



three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot



**1 FIRST FLOOR PLAN**  
 A101 SCALE: 1/16" = 1'-0"

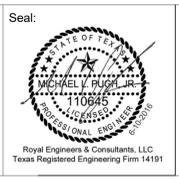
- INFECTIOUS CONTROL NOTES:**
- SEE GENERAL REQUIREMENTS SECTION 1.11 INFECTION CONTROL AND VA FORM "INFECTION CONTROL RISK ASSESSMENT (IRCA) CONSTRUCTION PERMIT" FOR DETAILED REQUIREMENTS FOR INFECTION CONTROL BARRIERS.
  - CONTRACTOR SHALL COORDINATE ALL INFECTION CONTROL (IC) ACTIVITIES WITH VA COR INCLUDING:
    - IC BARRIER LOCATIONS
    - IC BARRIER TYPES AND INSTALLATION
    - ANY IC HALLWAY SHUTDOWNS
  - CONTRACTOR SHALL PROVIDE IC BARRIERS AT ALL ENTRANCES TO INDIVIDUAL AND CONGREGATE BATHROOMS AND AS DIRECTED BY VA COR PER GENERAL REQUIREMENTS SECTION 1.11 INFECTION CONTROL.



**2 SECOND FLOOR PLAN**  
 A101 SCALE: 1/16" = 1'-0"

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 MAINTENANCE FOREMAN \_\_\_\_\_  
 MAINTENANCE FOREMAN \_\_\_\_\_

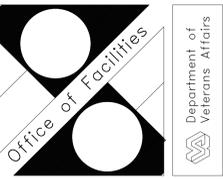
Drawing Title:  
**ROOM LOCATIONS AND INFECTIOUS CONTROL NOTES**

Approved: Service Engineer \_\_\_\_\_  
 Approved: Service Director \_\_\_\_\_

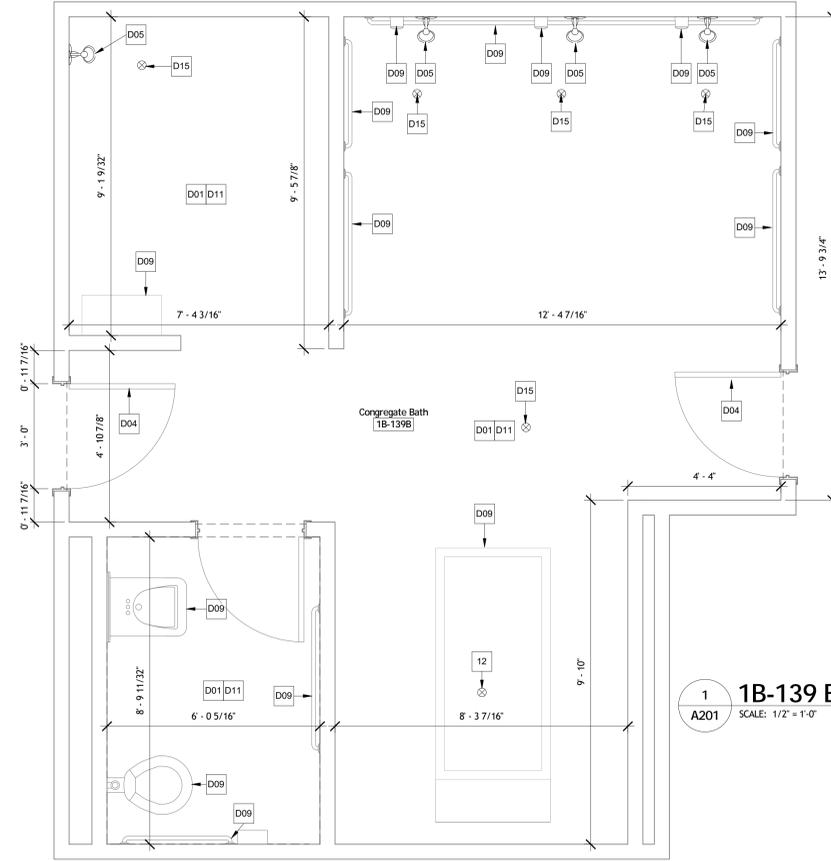
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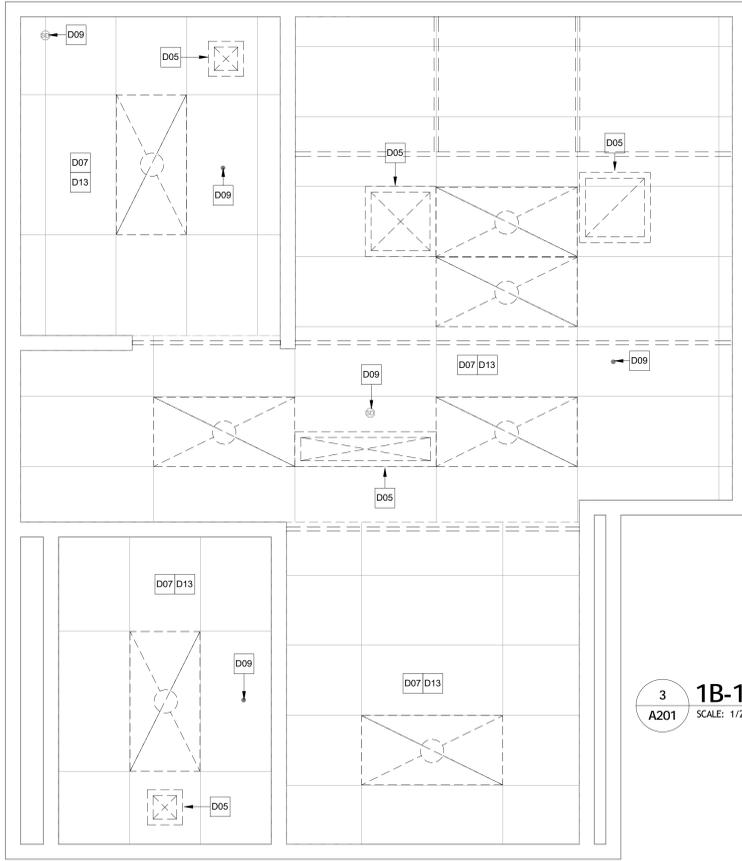
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 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot



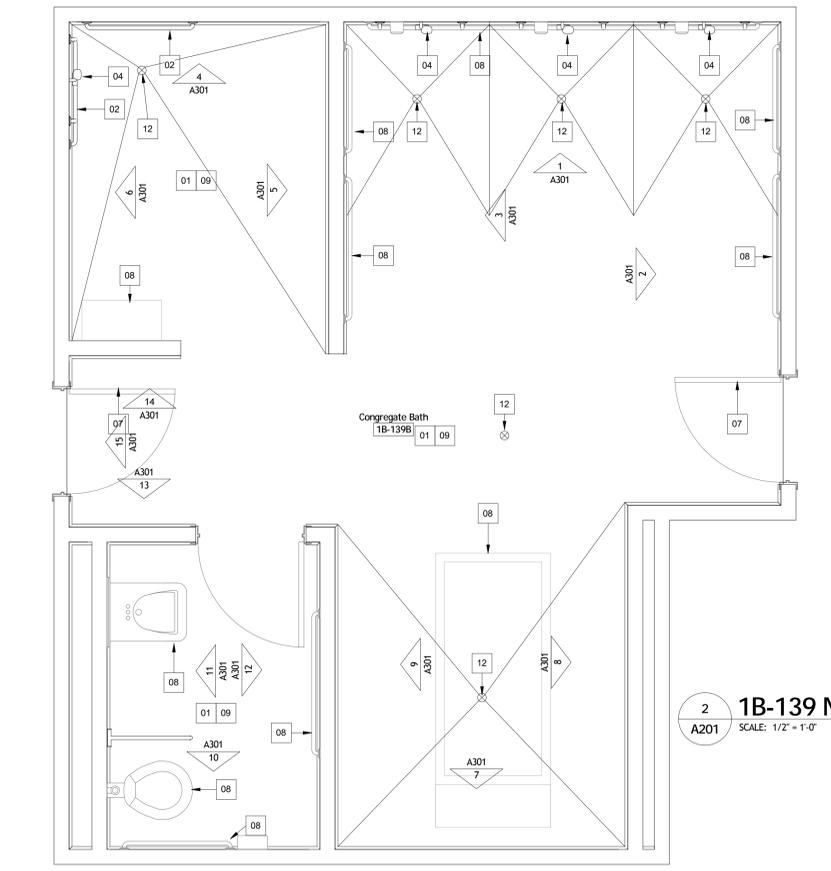
**1 1B-139 EXISTING**  
 A201 SCALE: 1/2" = 1'-0"

- GENERAL FLOOR PLAN NOTES:**
- SLOPE RES-2 FLOORING TO SHOWER FLOOR DRAINS WITH MIN. 1/4" PER 1 FOOT SLOPE.
  - PAINT ALL EXISTING DOORS & FRAMES TO MATCH EXISTING

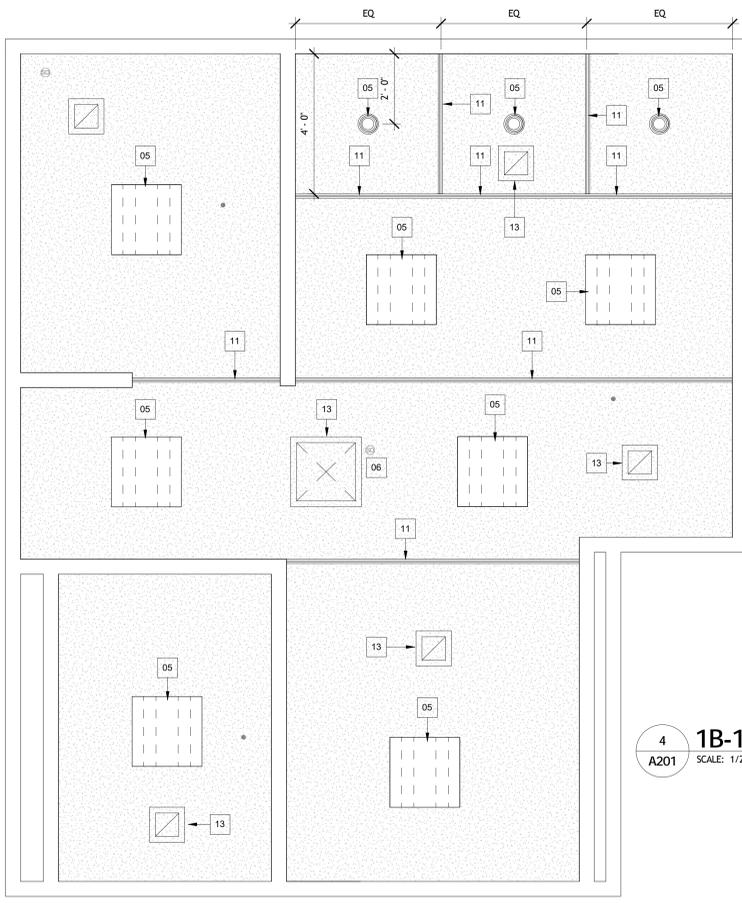
Key Value	Keynote Text
01	NEW EPOXY FLOORING
02	NEW SS GRAB BAR
03	NEW FLOOR DRAIN, SEE PLUMBING
04	NEW FIXTURE, SEE PLUMBING
05	NEW LIGHT FIXTURE, SEE ELECTRICAL
06	NEW GYPSUM CEILING AND FRAMING SYSTEM
07	EXISTING ITEM, REINSTALLED IF PREVIOUSLY SALVAGED AND STORED
08	REINSTALL SALVAGED ITEM
09	NEW FINISHES ON ALL EXISTING METAL STUD WALLS
11	NEW CURTAIN TRACK AND CURTAIN SEE SPECIFICATIONS
12	NEW FLOOR DRAIN STRAINER, SEE PLUMBING
13	NEW MECHANICAL FIXTURE, SEE MECHANICAL
D01	DEMO EXISTING FLOOR FINISH FOR NEW FLOOR INSTALLATION
D02	DEMO EXISTING BATHTUB
D04	EXISTING ITEM TO REMAIN. IF REMOVAL IS NECESSARY FOR CONSTRUCTION SALVAGE AND STORE FOR REINSTALLATION
D05	DEMO EXISTING FIXTURE
D06	SALVAGE ITEM AND PROVIDE TO OWNER
D07	DEMO EXISTING CEILING TILE AND GRID SYSTEM
D08	DEMO EXISTING TILED TUB PLATFORM
D09	SALVAGE AND STORE FOR REINSTALLATION
D11	DEMO ALL WALL FINISHES BACK TO METAL STUDS, EXISTING INSULATION TO REMAIN
D12	DEMO EXISTING GYPSUM CEILING
D13	SALVAGE ALL CEILING LIGHT FIXTURES AND PROVIDE TO OWNER
D14	DEMO EXISTING FLOORING AS REQUIRED TO ACCOMMODATE NEW FLOORING AND FLOOR DRAIN INSTALLATION
D15	DEMO EXISTING FLOOR DRAIN STRAINER, SEE PLUMBING



**3 1B-139 RCP EXISTING**  
 A201 SCALE: 1/2" = 1'-0"



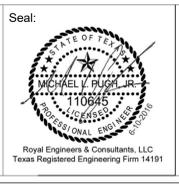
**2 1B-139 NEW**  
 A201 SCALE: 1/2" = 1'-0"



**4 1B-139 RCP NEW**  
 A201 SCALE: 1/2" = 1'-0"

Issued For Construction	6/10/2016
Revisions	Date

Consultants:



A/E: **ROYAL ENGINEERS & CONSULTANTS, LLC**  
 4298 ELYSIAN FIELDS AVENUE  
 NEW ORLEANS, LOUISIANA 70122  
 www.royalengineering.net

Approved:

PROGRAM MANAGER, PROJECTS \_\_\_\_\_  
 SAFETY/INDUSTRIAL HYGIENE \_\_\_\_\_  
 HEALTH SYSTEM SPECIALIST \_\_\_\_\_  
 MAINTENANCE SUPERVISOR \_\_\_\_\_  
 MAINTENANCE FOREMAN \_\_\_\_\_  
 MAINTENANCE FOREMAN \_\_\_\_\_

Drawing Title: **1B-139 CONGREGATE BATH**

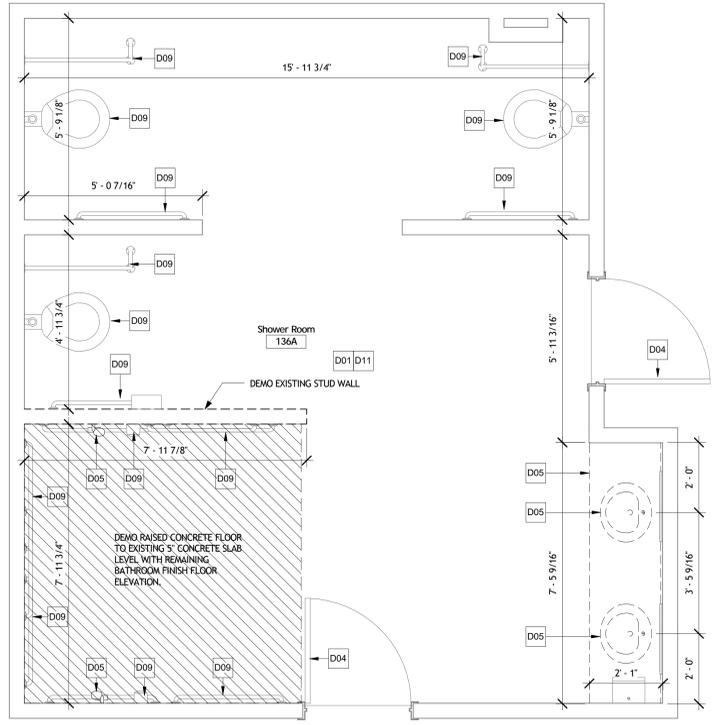
Approved: Service Engineer \_\_\_\_\_  
 Approved: Service Director \_\_\_\_\_

Project Title: **RENO. BLDG. 96 SHOWERS AND BATHS**

Date: 6/14/2016 4:59:19 PM  
 Project No.: 671A-15-124  
 Building Number: 96  
 Checked: MP  
 Drawn: IP  
 Location: 3600 MEMORIAL BLVD, KERRVILLE, TX 78028  
 DRAWING NO.: **A201**  
 Dwg. Of \_\_\_\_\_



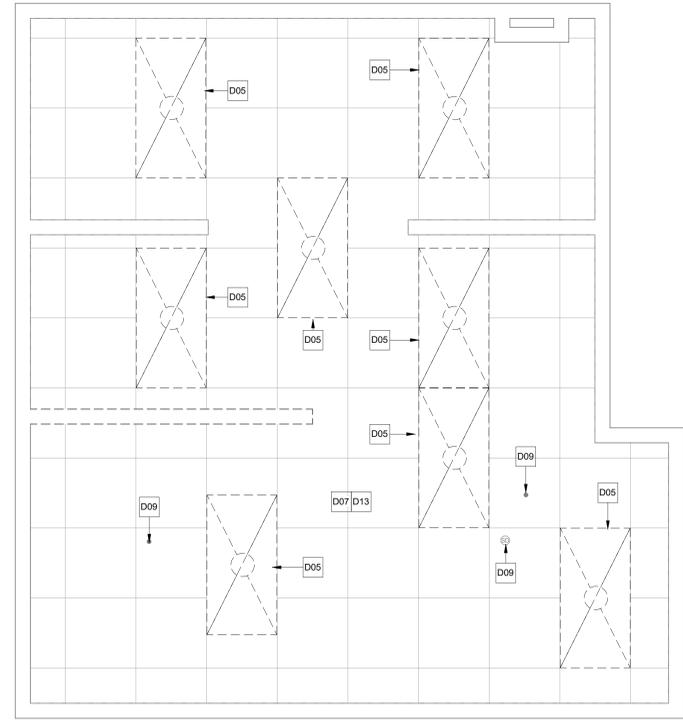
three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot



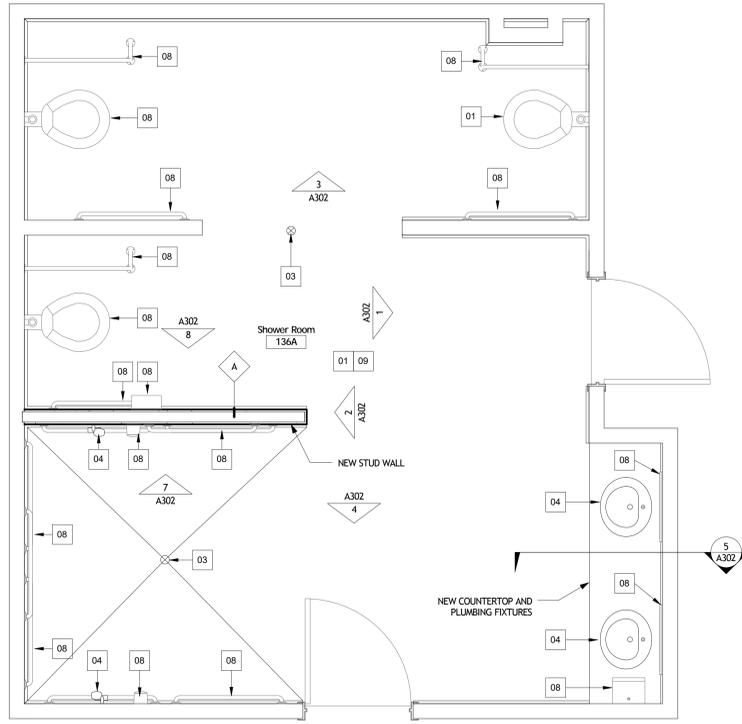
**1 136A EXISTING**  
 A202 SCALE: 1/2" = 1'-0"

- GENERAL FLOOR PLAN NOTES:**
- SLOPE RES-2 FLOORING TO SHOWER FLOOR DRAINS WITH MIN. 1/4" PER 1 FOOT SLOPE.
  - PAINT ALL EXISTING DOORS & FRAMES TO MATCH EXISTING
  - ALL EXISTING HVAC EQUIPMENT IN 136A SHALL REMAIN. SALVAGE AND REINSTALL MECHANICAL FIXTURES AS REQUIRED FOR NEW GYPSUM CEILING INSTALLATION.
  - SEE PLUMBING FOR ADDITIONAL CONCRETE DEMOLITION AND REPLACEMENT REQUIRED FOR NEW FLOOR DRAIN AND SEWER PIPING.

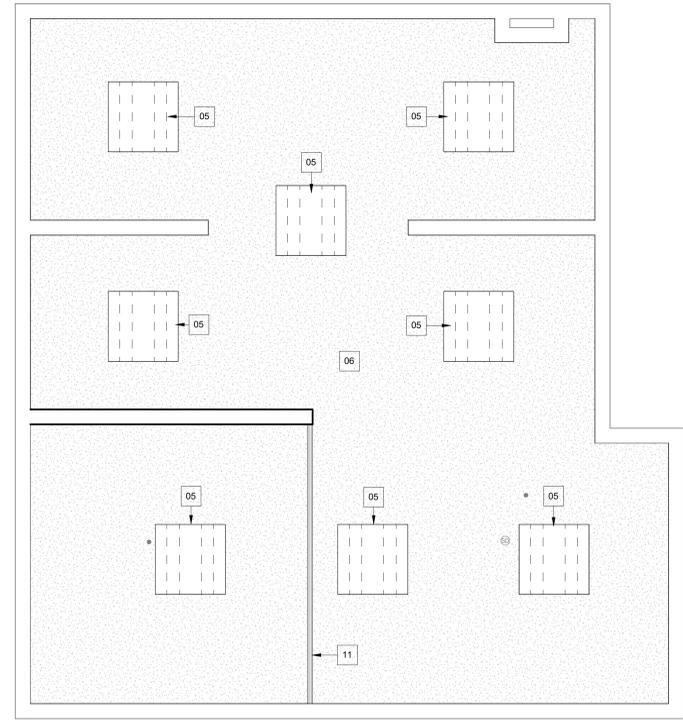
Keynote Legend	
Key Value	Keynote Text
01	NEW EPOXY FLOORING
02	NEW SS GRAB BAR
03	NEW FLOOR DRAIN, SEE PLUMBING
04	NEW FIXTURE, SEE PLUMBING
05	NEW LIGHT FIXTURE, SEE ELECTRICAL
06	NEW GYPSUM CEILING AND FRAMING SYSTEM
07	EXISTING ITEM, REINSTALLED IF PREVIOUSLY SALVAGED AND STORED
08	REINSTALL SALVAGED ITEM
09	NEW FINISHES ON ALL EXISTING METAL STUD WALLS
11	NEW CURTAIN TRACK AND CURTAIN SEE SPECIFICATIONS
12	NEW FLOOR DRAIN STRAINER, SEE PLUMBING
13	NEW MECHANICAL FIXTURE, SEE MECHANICAL
D01	DEMO EXISTING FLOOR FINISH FOR NEW FLOOR INSTALLATION
D02	DEMO EXISTING BATH TUB
D04	EXISTING ITEM TO REMAIN, IF REMOVAL IS NECESSARY FOR CONSTRUCTION SALVAGE AND STORE FOR REINSTALLATION
D05	DEMO EXISTING FIXTURE
D06	SALVAGE ITEM AND PROVIDE TO OWNER
D07	DEMO EXISTING CEILING TILE AND GRID SYSTEM
D08	DEMO EXISTING TILED TUB PLATFORM
D09	SALVAGE AND STORE FOR REINSTALLATION
D11	DEMO ALL WALL FINISHES BACK TO METAL STUDS, EXISTING INSULATION TO REMAIN
D12	DEMO EXISTING GYPSUM CEILING
D13	SALVAGE ALL CEILING LIGHT FIXTURES AND PROVIDE TO OWNER
D14	DEMO EXISTING FLOORING AS REQUIRED TO ACCOMMODATE NEW FLOORING AND FLOOR DRAIN INSTALLATION
D15	DEMO EXISTING FLOOR DRAIN STRAINER, SEE PLUMBING



**3 136A RCP EXISTING**  
 A202 SCALE: 1/2" = 1'-0"



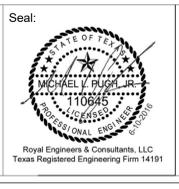
**2 136A NEW**  
 A202 SCALE: 1/2" = 1'-0"



**4 136A RCP NEW**  
 A202 SCALE: 1/2" = 1'-0"

Issued For Construction	6/10/2016
Revisions	Date

Consultants:



A/E:

**ROYAL ENGINEERS & CONSULTANTS, LLC**

4298 ELYSIAN FIELDS AVENUE  
 NEW ORLEANS, LOUISIANA 70122  
 www.royalengineering.net

Approved:

PROGRAM MANAGER, PROJECTS \_\_\_\_\_  
 SAFETY/INDUSTRIAL HYGIENE \_\_\_\_\_  
 HEALTH SYSTEM SPECIALIST \_\_\_\_\_  
 MAINTENANCE SUPERVISOR \_\_\_\_\_  
 MAINTENANCE FOREMAN \_\_\_\_\_  
 MAINTENANCE FOREMAN \_\_\_\_\_

Drawing Title

**136A CONGREGATE BATH**

Approved: Service Engineer \_\_\_\_\_  
 Approved: Service Director \_\_\_\_\_

Project Title

**RENO. BLDG. 96 SHOWERS AND BATHS**

Building Number: **96** Checked: **MP** Drawn: **IP**

Location: **3600 MEMORIAL BLVD, KERRVILLE, TX 78028**

Date: **6/14/2016 4:59:21 PM**  
 Project No.: **671A-15-124**  
 DRAWING NO.: **A202**  
 Dwg. of \_\_\_\_\_

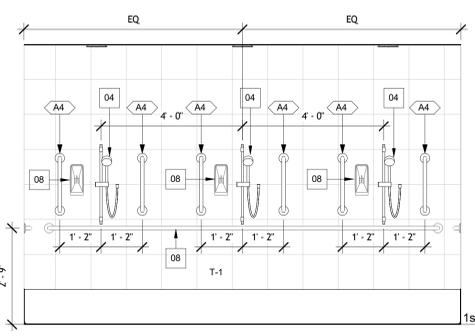




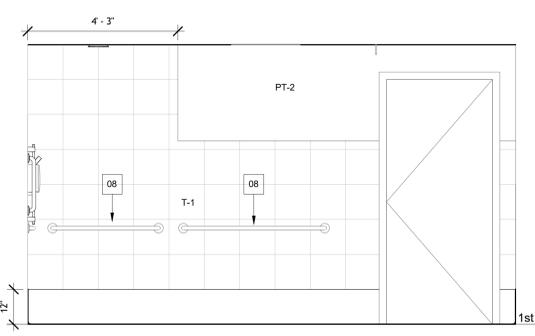
three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot

- GENERAL ELEVATION NOTES:**
1. ALL WALLS ARE SCHEDULED TO BE DEMOLISHED TO STUDS AND NEW FINISH INSTALLED.
  2. ALL EXISTING DOORS AND FRAMES SHALL BE PAINTED MATCHING EXISTING
  3. SEE FINISH SCHEDULE LEGEND ON A302 FOR WALL FINISH TYPES
  4. SEE A303 FOR ACCESSORY SCHEDULE

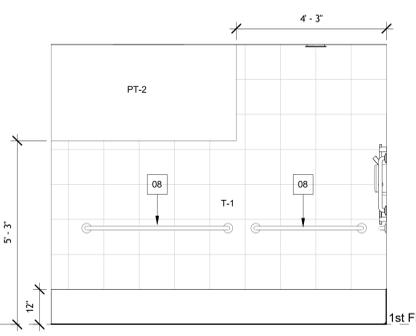
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02	NEW SS GRAB BAR
03	NEW FLOOR DRAIN, SEE PLUMBING
04	NEW FIXTURE, SEE PLUMBING
05	NEW LIGHT FIXTURE, SEE ELECTRICAL
06	NEW GYPSUM CEILING AND FRAMING SYSTEM
07	EXISTING ITEM, REINSTALLED IF PREVIOUSLY SALVAGED AND STORED
08	REINSTALL SALVAGED ITEM
09	NEW FINISHES ON ALL EXISTING METAL STUD WALLS
11	NEW CURTAIN TRACK AND CURTAIN SEE SPECIFICATIONS
12	NEW FLOOR DRAIN STRAINER, SEE PLUMBING
13	NEW MECHANICAL FIXTURE, SEE MECHANICAL
D01	DEMO EXISTING FLOOR FINISH FOR NEW FLOOR INSTALLATION
D02	DEMO EXISTING BATHTUB
D04	EXISTING ITEM TO REMAIN, IF REMOVAL IS NECESSARY FOR CONSTRUCTION SALVAGE AND STORE FOR REINSTALLATION
D05	DEMO EXISTING FIXTURE
D06	SALVAGE ITEM AND PROVIDE TO OWNER
D07	DEMO EXISTING CEILING TILE AND GRID SYSTEM
D08	DEMO EXISTING TILED TUB PLATFORM
D09	SALVAGE AND STORE FOR REINSTALLATION
D11	DEMO ALL WALL FINISHES BACK TO METAL STUDS, EXISTING INSULATION TO REMAIN
D12	DEMO EXISTING GYPSUM CEILING
D13	SALVAGE ALL CEILING LIGHT FIXTURES AND PROVIDE TO OWNER
D14	DEMO EXISTING FLOORING AS REQUIRED TO ACCOMMODATE NEW FLOORING AND FLOOR DRAIN INSTALLATION
D15	DEMO EXISTING FLOOR DRAIN STRAINER, SEE PLUMBING



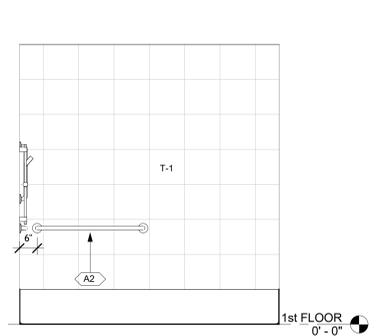
**1 INTERIOR ELEVATION**  
 A301 SCALE: 1/2" = 1'-0"



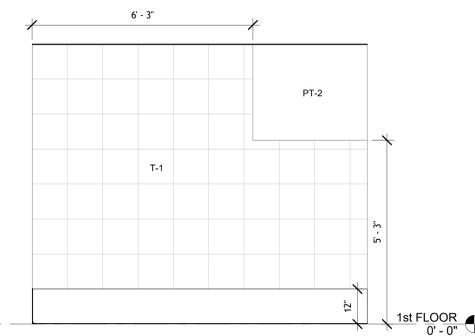
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 A301 SCALE: 1/2" = 1'-0"



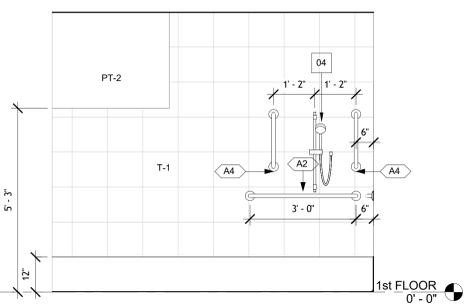
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 A301 SCALE: 1/2" = 1'-0"



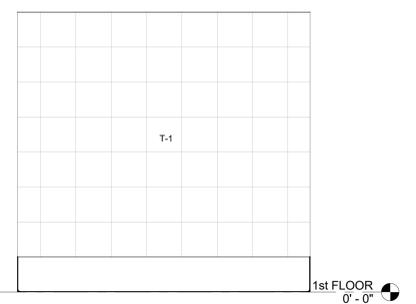
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 A301 SCALE: 1/2" = 1'-0"



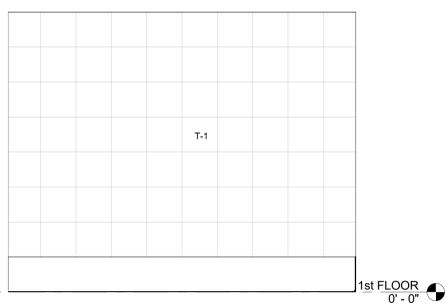
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 A301 SCALE: 1/2" = 1'-0"



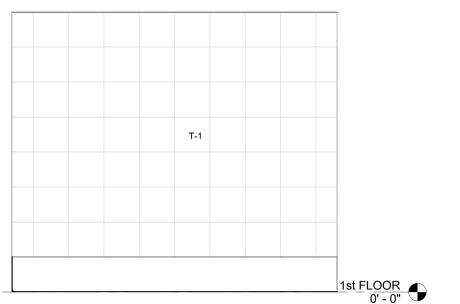
**6 INTERIOR ELEVATION**  
 A301 SCALE: 1/2" = 1'-0"



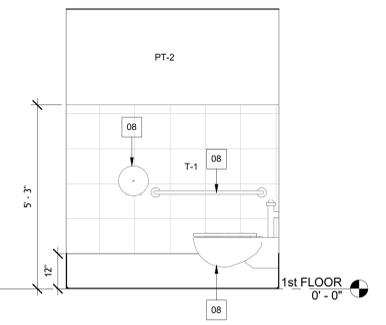
**7 INTERIOR ELEVATION**  
 A301 SCALE: 1/2" = 1'-0"



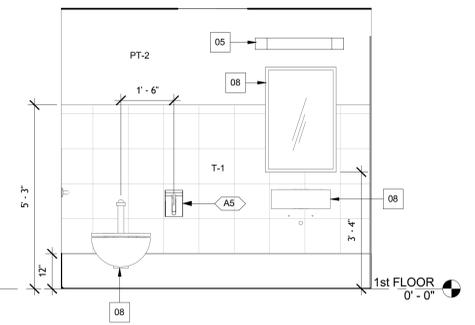
**8 INTERIOR ELEVATION**  
 A301 SCALE: 1/2" = 1'-0"



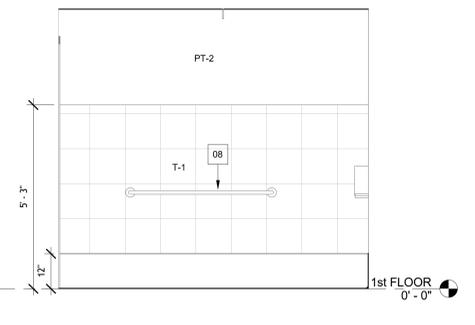
**9 INTERIOR ELEVATION**  
 A301 SCALE: 1/2" = 1'-0"



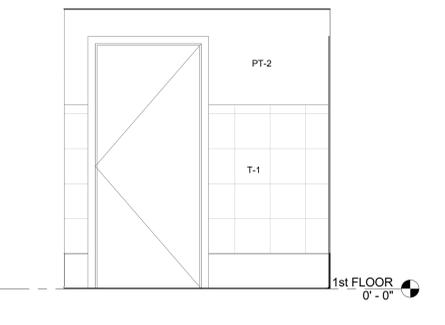
**10 INTERIOR ELEVATION**  
 A301 SCALE: 1/2" = 1'-0"



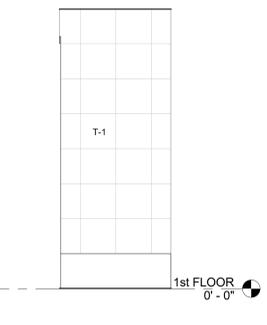
**11 INTERIOR ELEVATION**  
 A301 SCALE: 1/2" = 1'-0"



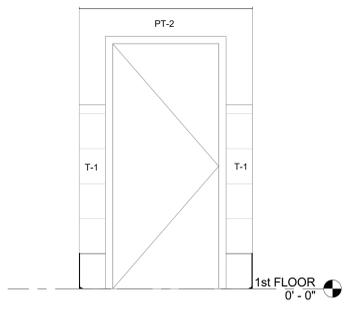
**12 INTERIOR ELEVATION**  
 A301 SCALE: 1/2" = 1'-0"



**13 INTERIOR ELEVATION**  
 A301 SCALE: 1/2" = 1'-0"



**14 INTERIOR ELEVATION**  
 A301 SCALE: 1/2" = 1'-0"



**15 INTERIOR ELEVATION**  
 A301 SCALE: 1/2" = 1'-0"

Issued For Construction	6/10/2016
Revisions	Date

Consultants:

Seal:  
  
 Royal Engineers & Consultants, LLC  
 Texas Registered Engineering Firm 14191

A/E:  
  
**ROYAL ENGINEERS & CONSULTANTS, LLC**  
 4298 ELYSIAN FIELDS AVENUE  
 NEW ORLEANS, LOUISIANA 70122  
 www.royalengineering.net

Approved:  
 PROGRAM MANAGER, PROJECTS \_\_\_\_\_  
 SAFETY/INDUSTRIAL HYGIENE \_\_\_\_\_  
 HEALTH SYSTEM SPECIALIST \_\_\_\_\_  
 MAINTENANCE SUPERVISOR \_\_\_\_\_  
 MAINTENANCE FOREMAN \_\_\_\_\_  
 MAINTENANCE FOREMAN \_\_\_\_\_

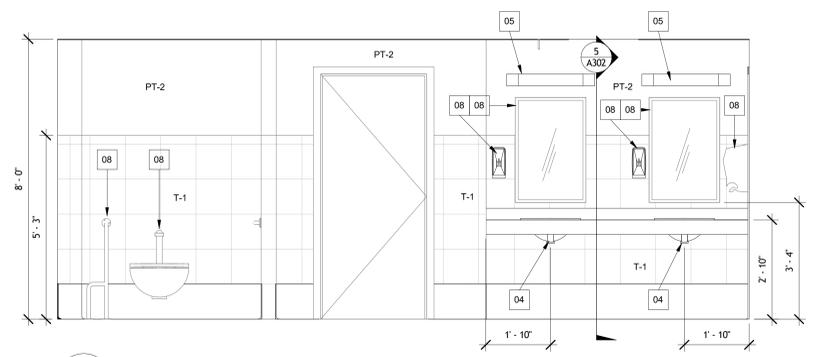
Drawn:  
**1B-139 INTERIOR ELEVATIONS AND DETAILS**  
 Approved: Service Engineer \_\_\_\_\_  
 Approved: Service Director \_\_\_\_\_

Project Title  
**RENO. BLDG. 96 SHOWERS AND BATHS**  
 Building Number: 96  
 Location: 3600 MEMORIAL BLVD, KERRVILLE, TX 78028

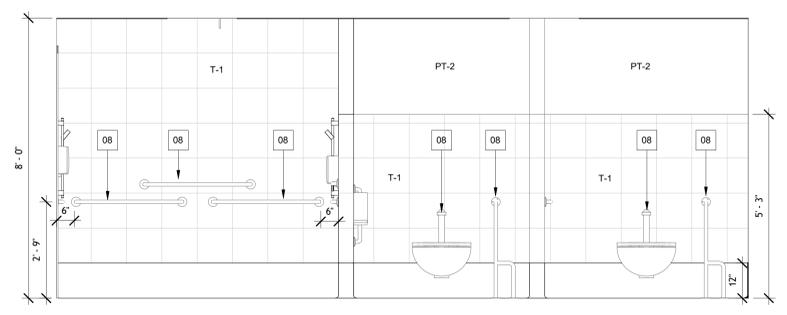
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 DRAWING NO.: **A301**  
 Dwg. Of: \_\_\_\_\_



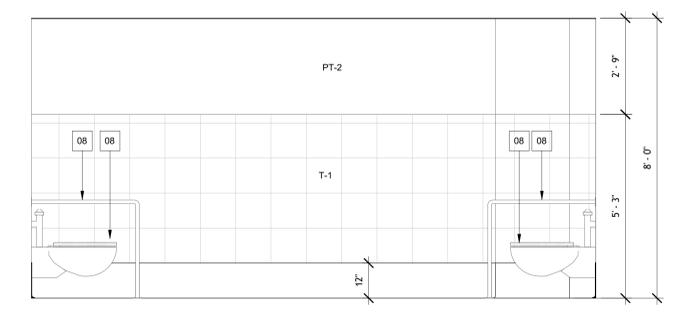
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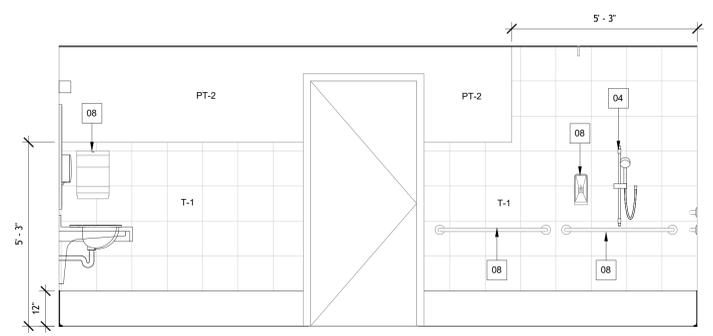
**1 INTERIOR ELEVATION**  
 A302 SCALE: 1/2" = 1'-0"



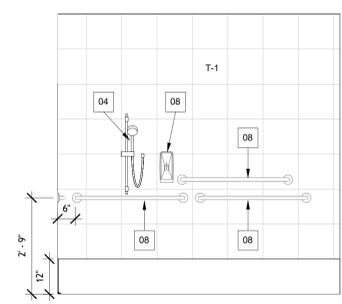
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 A302 SCALE: 1/2" = 1'-0"



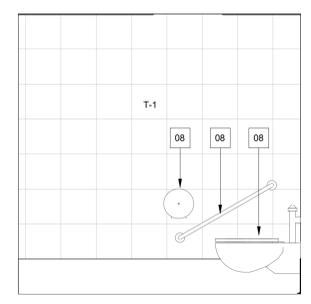
**3 INTERIOR ELEVATION**  
 A302 SCALE: 1/2" = 1'-0"



**4 INTERIOR ELEVATION**  
 A302 SCALE: 1/2" = 1'-0"



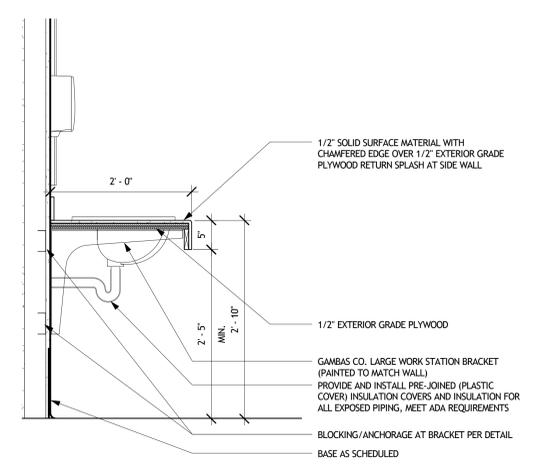
**7 INTERIOR ELEVATION**  
 A302 SCALE: 1/2" = 1'-0"



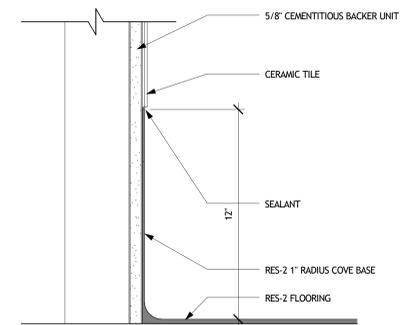
**8 INTERIOR ELEVATION**  
 A302 SCALE: 1/2" = 1'-0"

- GENERAL ELEVATION NOTES:**
- ALL WALLS ARE SCHEDULED TO BE DEMOLISHED TO STUDS AND NEW FINISH INSTALLED.
  - ALL EXISTING DOORS AND FRAMES SHALL BE PAINTED MATCHING EXISTING
  - SEE FINISH SCHEDULE LEGEND ON A302 FOR WALL FINISH TYPES

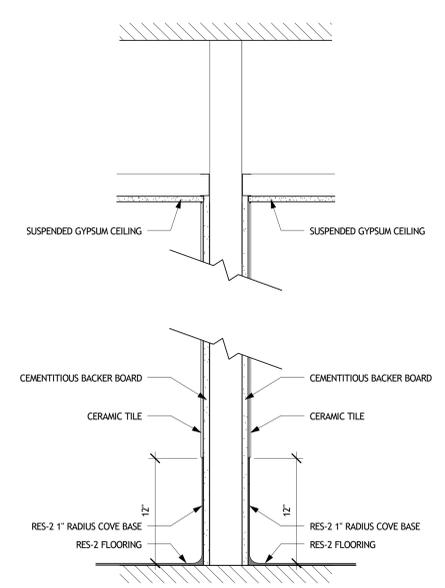
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01	NEW EPOXY FLOORING
02	NEW SS GRAB BAR
03	NEW FLOOR DRAIN, SEE PLUMBING
04	NEW FIXTURE, SEE PLUMBING
05	NEW LIGHT FIXTURE, SEE ELECTRICAL
06	NEW GYPSUM CEILING AND FRAMING SYSTEM
07	EXISTING ITEM, REINSTALLED IF PREVIOUSLY SALVAGED AND STORED
08	REINSTALL SALVAGED ITEM
09	NEW FINISHES ON ALL EXISTING METAL STUD WALLS
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13	NEW MECHANICAL FIXTURE, SEE MECHANICAL
D01	DEMO EXISTING FLOOR FINISH FOR NEW FLOOR INSTALLATION
D02	DEMO EXISTING BATHTUB
D04	EXISTING ITEM TO REMAIN. IF REMOVAL IS NECESSARY FOR CONSTRUCTION SALVAGE AND STORE FOR REINSTALLATION
D05	DEMO EXISTING FIXTURE
D06	SALVAGE ITEM AND PROVIDE TO OWNER
D07	DEMO EXISTING CEILING TILE AND GRID SYSTEM
D08	DEMO EXISTING TILED TUB PLATFORM
D09	SALVAGE AND STORE FOR REINSTALLATION
D11	DEMO ALL WALL FINISHES BACK TO METAL STUDS, EXISTING INSULATION TO REMAIN
D12	DEMO EXISTING GYPSUM CEILING
D13	SALVAGE ALL CEILING LIGHT FIXTURES AND PROVIDE TO OWNER
D14	DEMO EXISTING FLOORING AS REQUIRED TO ACCOMMODATE NEW FLOORING AND FLOOR DRAIN INSTALLATION
D15	DEMO EXISTING FLOOR DRAIN STRAINER, SEE PLUMBING



**5 DETAIL**  
 A302 SCALE: 1" = 1'-0"



**6 12" COVE BASE DETAIL**  
 A302 SCALE: 3" = 1'-0"



**9 PARTITION TYPE**  
 A302 SCALE: 1 1/2" = 1'-0"

Room Number	Room Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	Comments
1B-139B	Congregate Bath	RES-2	RES-2 - 12"	T-1, PT-2	PT-1	SEE INTERIOR ELEVATIONS FOR WALL FINISH LOCATIONS
136A	Shower Room	RES-2	RES-2 - 12"	T-1, PT-2	PT-1	SEE INTERIOR ELEVATIONS FOR WALL FINISH LOCATIONS
2B-129A	Bathroom	RES-2	RES-2 - 4"	T-1, PT-2	PT-1	SEE INTERIOR ELEVATIONS FOR WALL FINISH LOCATIONS
2B-123A	Bathroom	RES-2	RES-2 - 4"	T-1, PT-2	PT-1	SEE INTERIOR ELEVATIONS FOR WALL FINISH LOCATIONS
2B-114A	Bathroom	RES-2	RES-2 - 4"	T-1, PT-2	PT-1	SEE INTERIOR ELEVATIONS FOR WALL FINISH LOCATIONS

SYMBOL	MANUFACTURER	COLLECTION	COLOR/PATTERN	COMMENTS
RES-2	SHERWIN WILLIAMS/ GENERAL POLYMERS	DECORATIVE MOSAIC EPOXY COATING SYSTEM	30% - CU-744 30% - CU-604 30% - CU-608	BACKGROUND: 638 SILVER GRAY
PT-1	SHERWIN WILLIAMS	TILE CLAD HS B62	SW 7007 CEILING BRIGHT WHITE	
PT-2	SHERWIN WILLIAMS	TILE CLAD HS B62	SW 6533 MLD BLUE	
T-1	DAL-TILE	CLIFF POINTE	BEACH CP80	
SS-1	WILSONART	SOLID SURFACE	SOOTHING GREY 9116SS	SOLID SURFACE COUNTERTOP

Issued For Construction	Date
	6/10/2016
Revisions	

Consultants:

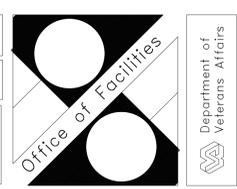
Seal:  
  
 Michael V. Bugel, Jr.  
 License No. 110685  
 Mechanical Engineering  
 State of Texas, 6-2008

A/E:  
  
**ROYAL ENGINEERS & CONSULTANTS, LLC**  
 4298 ELYSIAN FIELDS AVENUE  
 NEW ORLEANS, LOUISIANA 70122  
 www.royalengineering.net

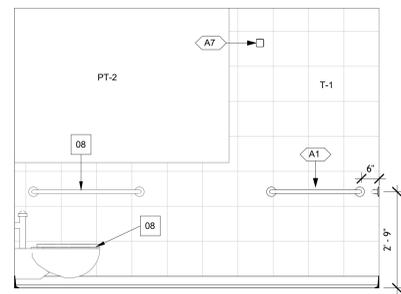
Approved:  
 PROGRAM MANAGER, PROJECTS \_\_\_\_\_  
 SAFETY/INDUSTRIAL HYGIENE \_\_\_\_\_  
 HEALTH SYSTEM SPECIALIST \_\_\_\_\_  
 MAINTENANCE SUPERVISOR \_\_\_\_\_  
 MAINTENANCE FOREMAN \_\_\_\_\_  
 MAINTENANCE FOREMAN \_\_\_\_\_

Drawn:  
**136A - INTERIOR ELEVATIONS, DETAILS AND SCHEDULES**  
 Approved: Service Engineer \_\_\_\_\_  
 Approved: Service Director \_\_\_\_\_

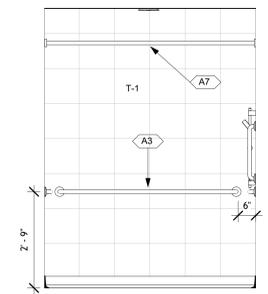
Project Title:  
**RENO. BLDG. 96 SHOWERS AND BATHS**  
 Building Number: 96  
 Checked: MP  
 Drawn: IP  
 Location: 3600 MEMORIAL BLVD, KERRVILLE, TX 78028  
 Date: 6/14/2016 4:59:31 PM  
 Project No.: 671A-15-124  
 DRAWING NO.: **A302**  
 Dwg. Of \_\_\_\_\_



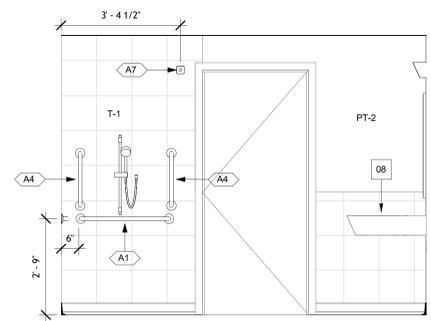
three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot



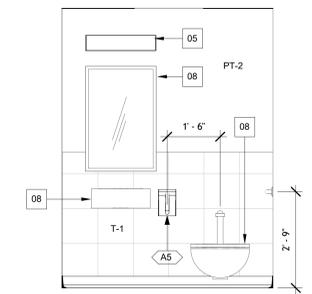
1 1B-114A INT. ELEV.  
 A303 SCALE: 1/2" = 1'-0"



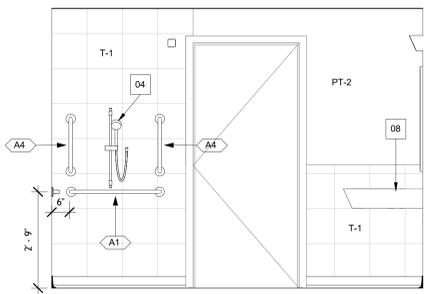
2 2B-114A INT. ELEV.  
 A303 SCALE: 1/2" = 1'-0"



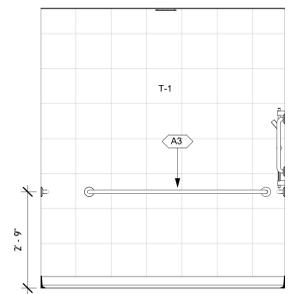
3 1B-114A INT. ELEV.  
 A303 SCALE: 1/2" = 1'-0"



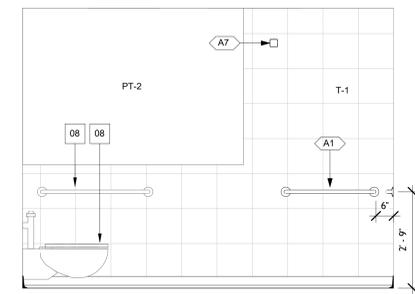
4 1B-114A INT. ELEV.  
 A303 SCALE: 1/2" = 1'-0"



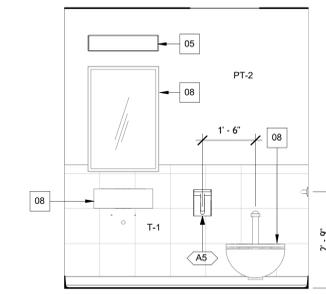
5 1B-123A INT. ELEV.  
 A303 SCALE: 1/2" = 1'-0"



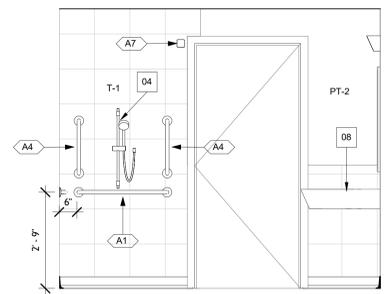
6 1B-123A INT. ELEV.  
 A303 SCALE: 1/2" = 1'-0"



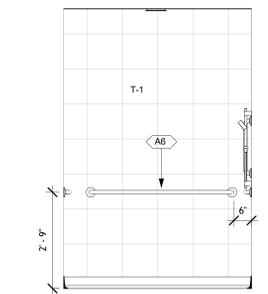
7 1B-123A INT. ELEV.  
 A303 SCALE: 1/2" = 1'-0"



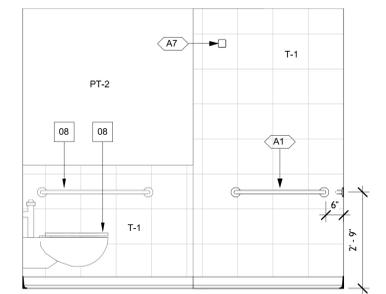
8 1B-123A INT. ELEV.  
 A303 SCALE: 1/2" = 1'-0"



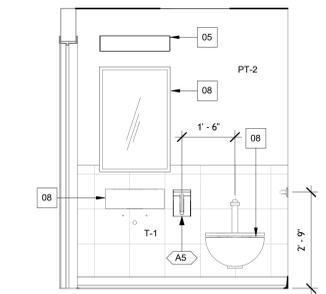
9 1B-129A INT. ELEV.  
 A303 SCALE: 1/2" = 1'-0"



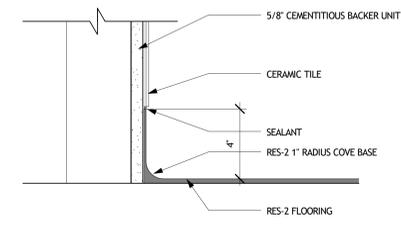
10 1B-129A INT. ELEV.  
 A303 SCALE: 1/2" = 1'-0"



11 1B-129A INT. ELEV.  
 A303 SCALE: 1/2" = 1'-0"



12 1B-129A INT. ELEV.  
 A303 SCALE: 1/2" = 1'-0"



13 4" COVE BASE DETAIL  
 A303 SCALE: 3" = 1'-0"

ACCESSORY SCHEDULE	
SYMBOL	ACCESSORY
A1	32" SS GARB BAR
A2	36" SS GRAB BAR
A3	60" SS GRAB BAR
A4	18" SS GRAB BAR
A5	SWING-UP GRAB BAR
A6	48" SS GRAB BAR
A7	SHOWER CURTAIN ROD W/ CURTAIN

- GENERAL ELEVATION NOTES:**
- ALL WALLS ARE SCHEDULED TO BE DEMOLISHED TO STUDS AND NEW FINISH INSTALLED.
  - ALL EXISTING DOORS AND FRAMES SHALL BE PAINTED MATCHING EXISTING
  - SEE FINISH SCHEDULE LEGEND ON A302 FOR WALL FINISH TYPES

Keynote Legend	
Key Value	Keynote Text
01	NEW EPOXY FLOORING
02	NEW SS GRAB BAR
03	NEW FLOOR DRAIN, SEE PLUMBING
04	NEW FIXTURE, SEE PLUMBING
05	NEW LIGHT FIXTURE, SEE ELECTRICAL
06	NEW GYPSUM CEILING AND FRAMING SYSTEM
07	EXISTING ITEM, REINSTALLED IF PREVIOUSLY SALVAGED AND STORED
08	REINSTALL SALVAGED ITEM
09	NEW FINISHES ON ALL EXISTING METAL STUD WALLS
11	NEW CURTAIN TRACK AND CURTAIN SEE SPECIFICATIONS
12	NEW FLOOR DRAIN STRAINER, SEE PLUMBING
13	NEW MECHANICAL FIXTURE, SEE MECHANICAL
D01	DEMO EXISTING FLOOR FINISH FOR NEW FLOOR INSTALLATION
D02	DEMO EXISTING BATHTUB
D04	EXISTING ITEM TO REMAIN, IF REMOVAL IS NECESSARY FOR CONSTRUCTION SALVAGE AND STORE FOR REINSTALLATION
D05	DEMO EXISTING FIXTURE
D06	SALVAGE ITEM AND PROVIDE TO OWNER
D07	DEMO EXISTING CEILING TILE AND GRID SYSTEM
D08	DEMO EXISTING TILED TUB PLATFORM
D09	SALVAGE AND STORE FOR REINSTALLATION
D11	DEMO ALL WALL FINISHES BACK TO METAL STUDS, EXISTING INSULATION TO REMAIN
D12	DEMO EXISTING GYPSUM CEILING
D13	SALVAGE ALL CEILING LIGHT FIXTURES AND PROVIDE TO OWNER
D14	DEMO EXISTING FLOORING AS REQUIRED TO ACCOMMODATE NEW FLOORING AND FLOOR DRAIN INSTALLATION
D15	DEMO EXISTING FLOOR DRAIN STRAINER, SEE PLUMBING

Issued For Construction	Date
Revisions	

Consultants:

Seal:  
  
 Royal Engineers & Consultants, LLC  
 Texas Registered Engineering Firm 14191

A/E:  
  
**ROYAL ENGINEERS & CONSULTANTS, LLC**  
 4298 ELYSIAN FIELDS AVENUE  
 NEW ORLEANS, LOUISIANA 70122  
 www.royalengineering.net

Approved:  
 PROGRAM MANAGER, PROJECTS \_\_\_\_\_  
 SAFETY/INDUSTRIAL HYGIENE \_\_\_\_\_  
 HEALTH SYSTEM SPECIALIST \_\_\_\_\_  
 MAINTENANCE SUPERVISOR \_\_\_\_\_  
 MAINTENANCE FOREMAN \_\_\_\_\_  
 MAINTENANCE FOREMAN \_\_\_\_\_

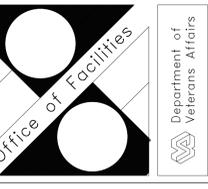
Drawing Title:  
**INDIVIDUAL BATHROOMS  
 INTERIOR ELEVATIONS**

Project Title:  
**RENO. BLDG. 96 SHOWERS  
 AND BATHS**

Building Number: 96  
 Checked: MP  
 Drawn: IP

Location:  
 3600 MEMORIAL BLVD, KERRVILLE, TX 78028

Date: 6/14/2016 4:59:34 PM  
 Project No.: 671A-15-124  
 DRAWING NO.: **A303**  
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PLUMBING ABBREVIATIONS	
AC	AIR COMPRESSOR
AE	ARCHITECT/ENGINEER
AD	AREA DRAIN
AF	ARCHIVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
AG	AIR GAP
AP	ACCESS PANEL
AS	AUTOMATIC SPRINKLER
ASD	AUTOMATIC SPRINKLER DRAIN
ASP	ANTI-FREEZE SPRINKLER PIPING
AV	ACID VENT
AW	ACID WASTE
BFP	BACKFLOW PREVENTOR
BTU	BATH/TUB
BTU	BRITISH THERMAL UNIT
CI	CAST IRON
CO	CLEANOUT
CO2	CARBON DIOXIDE
CSK	CLINICAL SINK
CV	CONTROL VALVE
CW	COLD WATER
CIVIL	CIVIL ENGINEER
CO	DOUBLE CLEANOUT
DI	DEIONIZED WATER
DPP	DRY FIRE PIPING
DPS	DRY FIRE STANDPIPE
DLS	DELUGE SPRINKLER PIPING
DS	DOMESTIC WATER PUMP
DW	DISHWASHER
DWG	DRAWING
DWR	DRINKING WATER RETURN
DWS	DRINKING WATER SUPPLY
EL	ELEVATION
ESC	ESCALATOR
ESH	ENERGY SHOWER
ET	EXPANSION TANK
EW	ELECTRIC WATER COOLER
EW	ELECTRIC WATER HEATER
EWS	EYE WASH STATION
F	FAHRENHEIT
FCO	FLOOR CLEANOUT
FCW	FILTERED COLD WATER
FCP	FIRE CONTROL PANEL
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FF	FINISH FLOOR
FL	FLOW LINE
FP	FIRE PUMP
FM	FLOW METER
FOAM	(FIRE SUPPRESSION)
FS	FLOOR SINK
FS	FLOW SWITCH
FSG	FIRE SYSTEM GAS
FSP	FIRE STANDPIPE
FU	FIXTURE UNITS
GAL	GALLONS
GCO	GRADE CLEANOUT
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GW	GREY WATER WASTE
HB	HOSE BIBB
HEX	HEAT EXCHANGER
HP	HORSE POWER
HS	HAND SINK
HST	HOT WATER STORAGE TANK
HW	HOT WATER
HWB	HOT WATER BOILER
HWP	HOT WATER PUMP
HWR	DOMESTIC HOT WATER RETURN
HYD	HYDRANT
IW	INDUSTRIAL COLD WATER
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IPV	INTERNATIONAL PLUMBING CODE
IRW	IRRIGATION WATER
IW	INDIRECT WASTE
IWR	INSTANTANEOUS WATER HEATER
IWS	INDUSTRIAL WATER RETURN
IWS	INDUSTRIAL WATER SUPPLY
KLOWATT	KILOWATT
LAVATORY	LAVATORY
L/S	LITER PER SECOND
LV	LABORATORY VACUUM
LW	LOW WATER
M	METER (WATER)
MAP	MEDICAL ALARM PANEL
MAV	MANUAL AIR VENT
MBH	1000 BTUH
MECH	MEDICAL
MER	MECHANICAL EQUIPMENT ROOM
MG	MEDICAL GAS OUTLET
MH	MANHOLE
MV	MEDICAL VACUUM
NZ	NITROGEN
N2O	NITROUS OXIDE
NOT IN CONTRACT	NOT IN CONTRACT
NFW	NON-FORFABLE WATER
NTS	NOT TO SCALE
O2	OXYGEN
OFD	OVERFLOW DRAIN
OW	OIL WASTE
PRE	PRE-ACTION PIPE
PSI	POUNDS PER SQUARE INCH
PT/TV	PRESSURE TEMP. RELIEF VALVE
PH	POTABLE WATER
PH	POST HYDRANT
RD	ROOF DRAIN
RL	ROOF DRAIN LEADER
RL	ROOF LEADER
REV	REVERSE OSMOIS WATER
RE	RECLAIMED WATER
RW	RAIN WATER LEADER
RWD	RAIN WATER DRAIN
SE	SEWAGE EJECTOR
SK	SHOWER
SK	SINK
SP	SUMP PUMP
SP	SPRINKLER LINE
SSK	SERVICE SINK
SSD	SUB-SOIL DRAIN
ST	STORAGE/SURGE TANK
SW	SOFT WATER
TCV	TEMPERATURE CONTROL VALVE
TD	TRENCH DRAIN
TMV	THERMOSTATIC MIXING VALVE
TP	TRAP PRIMER
TYP	TYPICAL
UPC	UNIFORM PLUMBING CODE
UR	URINAL
USS	UNDERGRADE SANITARY SEWER
USD	UNDERGRADE STORM DRAIN
VAC	VACUUM
VB	VACUUM BREAKER
VCD	VACUUM CLEANER OUTLET
VNT	VENT
VP	VACUUM PUMP
VST	VENT STACK
VTR	VENT THRU ROOF
WC	WATER CLOSET
WCO	WALL CLEANOUT
WH	WALL HAMMER
WHA	WATER HAMMER ARRESTER
WS	WATER STACK
YH	YARD HYDRANT

DRAWING SYMBOLS	
	POINT OF CONNECTION
	KEYED NOTES
	SECTION/CUT
	NORTH ARROW

PLUMBING PIPING SYMBOLS	
	COMPRESSED AIR (A)
	DOMESTIC COLD WATER (CW)
	DOMESTIC HOT WATER (HW)
	HOT WATER RECIRCULATION (HW/C)
	MEDICAL AIR (MA)
	NATURAL GAS (G)
	NATURAL GAS (BELOW GRADE) (G)
	OXYGEN (O)
	SANITARY SEWER (SAN)
	SANITARY SEWER (BELOW GRADE) (USS)
	SOFTENED COLD WATER (SCW)
	STORM WATER (SW)
	STORM WATER (BELOW GRADE) (USW)
	VACUUM (VAC)
	VENT (V)
	EXISTING PIPING (E)

FITTINGS SYMBOLS	
	1/4 BEND
	TEE
	H-FITTING (OR WYE & 1/8 BEND)
	1/8 BEND
	SWEEP (LONG / SHORT RADIUS)
	WYE
	COMBINATION (OR WYE & 1/8 BEND)
	DWV
	90° ELBOW
	45°
	TEE
	FLANGED
	BELL & SPIGOT
	MECHANICAL JOINT
	SOLDER JOINT
	WELDED

PLUMBING SYMBOLS	
	ANCHOR
	BOTTOM PIPE CONNECTION
	CAP
	CHANGE IN PIPE ELEVATION
	CLEANOUT
	FLEXIBLE JOINT
	FLOOR CLEANOUT
	FLOOR DRAIN
	PRESSURE GAGE
	HOSE BIBB/WALL HYDRANT
	METER
	PIPE DOWN
	PIPE UP
	P TRAP
	PUMP
	REDUCER
	ROOF DRAIN & OVERFLOW DRAIN
	SHOCK ARRESTOR
	SLEEVE
	STRAINER
	TEMPERATURE GAGE
	TOP PIPE CONNECTION
	UNION
	VENTURI FLOW TUBE
	WALL CLEANOUT

MECHANICAL EQUIPMENT DESIGNATION	
	AHU-1 EQUIPMENT SEQUENCE NUMBER
	EQUIPMENT TYPE:
AHU	AIR HANDLING UNIT
ACU	AIR CONDITIONING UNIT
CHWP	CHILLED WATER PUMP
CU	CONDENSING UNIT
HWP	HOT WATER HEATING PUMP
EF	EXHAUST FAN
VAV	VARIABLE AIR VOLUME MODULE
CP	CIRCULATING PUMP
EDH	ELECTRIC DUCT HEATER
UH	UNIT HEATER
FB	FAN POWERED BOX
FCU	FAN COIL UNIT
SE	SUPPLY FAN
RVI	ROOF VENT INTAKE
RVR	ROOF VENT RELIEF

AIR DISTRIBUTION DEVICE DESIGNATION	
	DIFFUSER SIZE OR NECK SIZE
	DIFFUSER SYMBOL FOR SCHEDULE
	DIFFUSER AIR FLOW

MECHANICAL SYMBOLS	
	ANGLED FILTER SECTION
	CENTRIFUGAL SUPPLY AIR FAN
	CHILLED WATER COOLING COIL SECTION
	HOT WATER HEATING COIL SECTION
	MIXING BOX
	AIR FLOW SENSOR
	CARBON MONOXIDE SENSOR
	DIFFERENTIAL PRESSURE SWITCH
	FREEZESTAT
	HUMIDITY SENSOR
	HUMIDISTAT
	MOTORIZED ACTUATOR
	SMOKE DETECTOR
	STATIC PRESSURE SENSOR/TRANSMITTER
	TEMPERATURE SENSOR
	THERMOSTAT
	VARIABLE FREQUENCY DRIVE

DUCTWORK SYMBOLS	
	BRANCH DUCT TAKE OFF
	CEILING DIFFUSER (SUPPLY)
	CEILING DIFFUSER OR REGISTER
	DUCT SIZE, 1ST NO. VISIBLE DIMENSION
	DUCT TEE WITH SPLITTER DAMPER
	DUCT TEE WITH VOLUME DAMPERS
	DUCTWORK TURNING VANES
	FLEX DUCT
	OPPOSED BLADE DAMPER
	RETURN OR RELIEF AIR DUCT DOWN
	RETURN OR RELIEF AIR DUCT UP
	RETURN AIR BOOT (PLAN VIEW)
	SUPPLY OR OUTSIDE AIR DUCT DOWN
	SUPPLY OR OUTSIDE AIR DUCT UP
	TRANSITION (RECTANGULAR)

MECHANICAL EQUIPMENT DESIGNATION	
	AHU-1 EQUIPMENT SEQUENCE NUMBER
	EQUIPMENT TYPE:
AHU	AIR HANDLING UNIT
ACU	AIR CONDITIONING UNIT
CHWP	CHILLED WATER PUMP
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VAV	VARIABLE AIR VOLUME MODULE
CP	CIRCULATING PUMP
EDH	ELECTRIC DUCT HEATER
UH	UNIT HEATER
FB	FAN POWERED BOX
FCU	FAN COIL UNIT
SE	SUPPLY FAN
RVI	ROOF VENT INTAKE
RVR	ROOF VENT RELIEF

ELECTRICAL SYMBOLS	
	DUPLEX
	GFCI BREAKER
	GROUND FAULT
	WALL MOUNTED
	POWER PANEL BOARD
	COMMUNICATIONS
	LA-2 HOME RUN-DESTINATION SHOWN
	SINGLE PHASE
	THREE PHASE
	NURSE CALL DEVICE

LIGHTING SYMBOLS	
	STRIP LIGHT FIXTURE 1x4, LETTER DENOTES TYPE
	STRIP LIGHT FIXTURE ON EMERGENCY 1x4 LETTER DENOTES TYPE
	LIGHT FIXTURE 2x4, LETTER DENOTES TYPE
	LIGHT ON EMERGENCY 2x4 LETTER DENOTES TYPE
	LIGHT FIXTURE 2x2 LETTER DENOTES TYPE
	LIGHT ON EMERGENCY 2x2 LETTER DENOTES TYPE
	STRIP LIGHT FIXTURE, LETTER DENOTES TYPE
	EXTERIOR POLE MOUNTED FIXTURE, LETTER DENOTES TYPE
	SURFACE OR RECESSED LIGHTING FIXTURE, LETTER DENOTES TYPE
	WALL MOUNT EXIT LIGHT
	CEILING MOUNT EXIT LIGHT, ARROW DENOTES DIRECTION
	SELF CONTAINED
	WALL PACK FIXTURE
	EMERGENCY WALL-PACK FIXTURE
	CEILING MOUNTED OCCUPANCY SENSOR
	PHOTOELECTRIC SWITCH
	SWITCH

COMMUNICATION SYMBOLS	
	WALL MOUNTED TELEPHONE OUTLET
	FLOOR MOUNTED TELEPHONE OUTLET
	WALL MOUNTED DATA OUTLET
	FLOOR MOUNTED DATA OUTLET
	WALL MOUNTED TELEPHONE/DATA OUTLET
	FLOOR MOUNTED TELEPHONE/DATA OUTLET

BASIS OF DESIGN	
THIS SCOPE OF WORK INCLUDES THE RENOVATION OF FIVE SEPARATE AREAS HOUSED WITHIN THE KERRVILLE VA HOSPITAL, SOUTH TEXAS VETERANS HEALTH CARE SYSTEM, LOCATED IN KERRVILLE, TEXAS. THESE CONSTRUCTION DOCUMENTS WERE CREATED WITH THE FOLLOWING RESOURCES: A COLLECTION OF ARCHIVE DRAWINGS, AND SITE OBSERVATION OF ACCESSIBLE COMPONENTS. THERE ARE TWO CONGREGATE BATHING ROOMS: 1B-136 & 1B-139 AND THREE PRIVATE PATIENT ROOMS: 2B-120A & 2B-120B.	
THE INTENT IS TO RENOVATE THE EXISTING SPACES WITH A FACE-LIFT, NEW TILE FLOORING, WALL TREATMENTS, AND COMPONENTS TO BE BACK INTO EXISTING SYSTEMS. THE EXISTING SYSTEMS INCLUDE, BUT ARE NOT LIMITED TO: FIRE PROTECTION ELEMENTS ARE TO REMAIN IN THE SAME LOCATION, JUST REPLACED WITH NEW COMPONENTS (I.E. SPRINKLER HEADS, ESCUTCHEONS, ETC.). PLUMBING SANITARY WASTE & VENT, DOMESTIC COLD AND HOT WATER WILL REMAIN A COMPLETE AND OPERATING SYSTEM. MECHANICAL AIR DISTRIBUTION AND VENTILATION SYSTEMS REMAIN A COMPLETE AND OPERATING SYSTEMS. NEW ELEMENTS WILL MATCH EXISTING CONDITIONS AND NEW COMPONENTS (I.E. DIFFUSERS, GRILLS, ETC.) WILL BE RETAINED. CEILING AND LIGHTING WILL REMAIN INTACT. PROVIDE NEW COMPONENTS (I.E.: SWITCHES, RECEPTACLES, NURSE CALLS, FACEPLATES, ETC.). NEW LIGHTING FIXTURES WILL REUSE EXISTING CIRCUIT AND SWITCH-LEG.	
THE TWO CONGREGATE BATHING ROOMS WILL REMAIN THE SAME FIXTURE CONFIGURATION. THE PRIVATE PATIENT ROOMS CHANGE FROM THE COMBINATION TUB/SHOWER FIXTURES TO ACCESSIBLE SHOWERS. EXISTING PLUMBING CHINA FIXTURES (I.E. WATER CLOSETS AND LAVATORY) ARE TO BE RETAINED, CLEANED TO AN AS-NEW CONDITION AND REINSTALLED, AS WELL AS THE STAINLESS STEEL BATH TUB IN 1B-139. ALSO, MAINTAIN THOSE SUPPORTING COMPONENTS (CARRIERS, BRACKETS, ETC.) WITHIN THE WALLS, UNDER FLOOR, AND ABOVE CEILING.	
IN THE THREE PRIVATE PATIENT ROOMS PROVIDE NEW: PLUMBING-FLOOR DRAIN FOR SHOWER, COMPLETE SHOWER SYSTEM (I.E. MIXING VALVE, SHOWER HEAD, SLIDE BAR AND HAND RAILS), FAUCET, TAIL-PIECE, AND FLUSH-VALVE. HVAC-DIFFUSERS AND GRILLS, ELECTRICAL-COMPONENTS, PRIMARY LIGHT FIXTURE, OVER THE LAVATORY LIGHT FIXTURE, AND NEW SHOWER LIGHT FIXTURE.	
IN CONGREGATE BATH 1B-139 THE EXHAUST SYSTEM SHALL BE INCREASED TO MEET CLIENT STANDARDS OF AIR QUALITY. A NEW EXHAUST DUCT WILL BE TAPPED OFF OF EXISTING DUCTWORK TO PICK UP THE INCREASED EXHAUST REQUIREMENTS FOR THE AREA. ALL GRILLES (SUPPLY, RETURN & EXHAUST) AND FLEX DUCT SHALL BE DEMOLISHED. NEW 24" X 24" GRILLES WILL BE INSTALLED IN LOCATIONS NOTED ON PLANS. EXISTING AIR HANDLING UNIT WILL REMAIN IN PLACE HOWEVER NEW DUCTWORK WILL BE ROUTED OFF THE UNIT TO A CENTRALIZED LOCATION TO SERVE THE SUPPLY AND RETURN AIR. CEILING WILL BE REPLACED WITH A HARD CEILING. THE AIR HANDLING UNIT WILL REQUIRE AN ACCESS PANEL FOR FUTURE MAINTENANCE. ALL FLOOR DRAINS AND SHOWER HEADS ARE TO BE DEMOLISHED AND REPLACED WITH NEW FIXTURES. ALL LIGHT FIXTURES WILL BE DEMOLISHED AND REPLACED WITH NEW EQUIPMENT.	
IN CONGREGATE BATH 1B-138 THERE IS LIMITED SCOPE OF WORK. INSTALLATION OF NEW SECONDARY FLOOR DRAIN WILL REQUIRE A SCOPE AND METERING OF EXISTING SYSTEM TO DETERMINE PLUMBING SYSTEM AND TO OBTAIN SLAB GEOMETRY AND INFORMATION. ARCHIVE DRAWINGS AND INFORMATION ARE NOT AVAILABLE AT THE TIME OF DESIGN. PLUMBER IS TO IN TO EXISTING SANITARY STUB UP SHARED WITH EXISTING SHOWER DRAIN, ONCE THE LOCATION OF THE SANITARY SYSTEM AND SLAB CONFIGURATION HAS BEEN REVEALED SANI CUT THROUGH SLAB TO INSTALL NEW PIPING. ALL TRAP PRIMERS ARE TO BE REPLACED WITH NEW UNITS, AS WELL AS THE ADDITION OF A DISTRIBUTION UNIT IF NEEDED. ELECTRICAL ALL DEVICES AND LIGHT FIXTURES WILL BE DEMOLISHED AND REPLACED WITH NEW EQUIPMENT.	

SHEET NUMBER NOMENCLATURE	
	DRAWING SEQUENCE
	SERIES DESIGNATOR. SEE CHART BELOW
	DISCIPLINE DESIGNATOR. SEE CHART BELOW
	DISCIPLINE DESIGNATORS
	SERIES DESIGNATORS
G - GENERAL	1 - FLOOR PLANS
A - ARCHITECTURAL	2 - ELEVATIONS
S - STRUCTURAL	3 - SECTIONS
F - FIRE PROTECTION	4 - ENLARGED PLANS
P - PLUMBING	5 - DETAILS
M - MECHANICAL	6 - SCHEDULES/DIAGRAMS
E - ELECTRICAL	

GENERAL NOTES	
1.	CONTRACTOR SHALL EXECUTE THE PROPOSED SCOPE OF WORK IN ACCORDANCE TO ALL CURRENT CODES, STANDARDS, AND THE AUTHORITIES HAVING JURISDICTION.
2.	BEFORE SUBMITTING A BID, THE CONTRACTOR IS TO SCHEDULE AN APPOINTMENT WITH AN OWNER REPRESENTATIVE TO WALK THROUGH THE EXISTING SPACES; TO ORIENTATE HIMSELF WITH THE CONSTRUCTION DOCUMENTS. ANY QUESTIONS SHOULD BE FORMALLY SUBMITTED IN THE REQUEST FOR INFORMATION FORMAT AND FORWARDED TO THE ARCHITECT/ENGINEER.
3.	THE FACILITY MUST REMAIN IN OPERATING AT ALL TIME. ANY SHUT-DOWN OF SYSTEMS SHALL BE SCHEDULED AND MANAGED. COORDINATE ANY INTERRUPTION OF SERVICE WITH BUILDING MANAGEMENT.
4.	ARCHIVE CONSTRUCTION AND AS-BUILT DRAWINGS ARE AVAILABLE UPON REQUEST. REQUESTS MUST BE MADE IN WRITING AND SUBMITTED TO THE OWNER REPRESENTATIVE.
5.	DEMOLITION, NOTHING IS TO BE ABANDONED WITHIN A WALL OR ABOVE A CEILING. ANY SYSTEM IDENTIFIED FOR DEMOLITION SHALL BE REMOVED BACK TO SOURCE. SYSTEMS ROUTED BELOW SLAB MUST BE CAPPED AT SOURCE, AND ABANDONED PIPE/CONDUIT FILLED WITH A MORTAR SURVEY. REPLACEMENT OF WALL, CEILING, SLAB OR FINISHES MUST MATCH EXISTING CONDITIONS.
6.	THE OWNER HAS THE FIRST RIGHT OF REFUSAL. ANYTHING IDENTIFIED FOR DEMOLITION MUST BE VERIFIED BY AN OWNER REPRESENTATIVE.
7.	SCOPE AND METERING SYSTEMS BELOW SLAB. BEFORE ANY WORK CAN COMMENCE THE CONTRACTOR SHALL SCOPE THE EXISTING SANITARY SYSTEM WITHIN THE LIMITS OF CONSTRUCTION WITHIN THE FOOTPRINT OF THE BUILDING AND TO THE ENTRY OF UTILITIES TO THE STRUCTURE. PROVIDE A VIDEO TAPE OF THE SCOPING TO THE OWNER REPRESENTATIVE. IF ANY OBSTRUCTIONS OR CONCERNS ARE FOUND, NOTIFY THE ARCHITECT/ENGINEER FOR FURTHER DIRECTION. METER THE EXISTING SYSTEM AND FLOT ON A DRAWING, AS AN AS-BUILT CONDITION.
8.	ANY SAW-CUTTING OF EXISTING SLAB MUST BE CONFIRMED AS TO THE TYPE OF FOUNDATION CONSTRUCTION BEFORE ANY SUCH WORK CAN COMMENCE. IF THE FOUNDATION IS A STRUCTURAL SLAB WITH BEAMS, HOLE-CORES MAY BE PERMITTED. POST TENSION SLAB: X-RAY BEFORE ANY EXCAVATION OR PENETRATION. SLAB ON GRADE: SAW-CUTTING MAY BE PERMITTED. ABSOLUTELY NO STRUCTURAL STEEL EMBEDDED WITHIN SLAB IS ACCEPTABLE TO BE CUT WITHOUT A REQUEST AND SIGN-OFF FROM AN ENGINEER.
9.	WHEN NEW WORK IS SHOWN TO BE IN EXISTING, THE CONTRACTOR IS RESPONSIBLE FOR THE OPERATION OF THE ENTIRE SYSTEM. IF EXISTING CONDITIONS ARE INADEQUATE TO SUPPORT THE ADDITIONAL LOAD, THE CONTRACTOR SHALL DOCUMENT IN A REQUEST FOR INFORMATION FORMAT FOR FURTHER DIRECTION. THE REQUEST FOR INFORMATION SHALL FOLLOW THE AIA FORMAT.
10.	ALL EQUIPMENT/FIXTURES MUST COMPLY WITH FACILITY STANDARDS.
11.	THE DEFINITION OF 'PROVIDE' IS TO PROCURE NEW, INSTALL AND DEMONSTRATE A WORKING DEVICE, AND SYSTEM.
12.	THE CONTRACTOR IS REQUIRED TO PROVIDE A COMPLETE AND WORKING SYSTEM.
13.	ALL EXISTING SPRINKLER HEADS AND ESCUTCHEONS ARE TO BE REMOVED AND REPLACED WITH NEW COMPONENTS CONNECTED TO EXISTING SYSTEM AND LOGGED PER NFPA 13 STANDARDS.
14.	ALL EXISTING LIFE SAFETY ELECTRICAL COMPONENTS ARE TO BE REMOVED AND REPLACED WITH NEW COMPONENTS AND LOCATED PER NFPA 701 STANDARDS.

Consultants:	
	Lockwood, Andrews & Newnam, Inc. A LEG A DALY COMPANY 2925 Briarpark Drive Suite 400 Houston, TX 77042 Tel 713-266-6900 www.lan-inc.com
Issued For Construction	6/10/2016
Revisions	Date

Seal:

A/E:

**ROYAL ENGINEERS & CONSULTANTS, LLC**  
4298 ELYSIAN FIELDS AVENUE  
NEW ORLEANS, LOUISIANA 70122  
www.royalengineering.net

Approved:

PROGRAM MANAGER, PROJECTS	_____
SAFETY/INDUSTRIAL HYGIENE	_____
HEALTH SYSTEM SPECIALIST	_____
MAINTENANCE SUPERVISOR	_____
MAINTENANCE FOREMAN	_____
MAINTENANCE FOREMAN	_____

Drawing Title: **MEP GENERAL SYMBOLS & LEGENDS**

Approved: Service Engineer \_\_\_\_\_

Approved: Service Director \_\_\_\_\_

Project Title: **RENO. BLDG. 96 SHOWERS AND BATHS**

Building Number: **96**

Location: **3600 MEMORIAL BLVD, KERRVILLE, TX 78028**

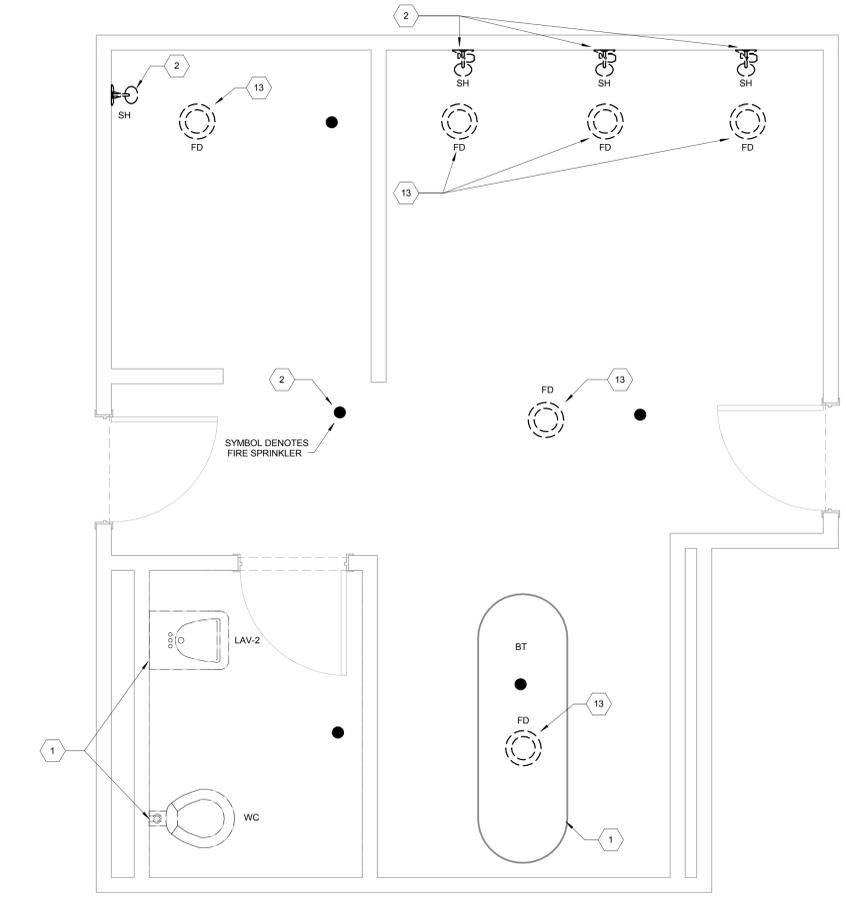
Date: **6/10/2016**

Project No.: **170-10830-000**

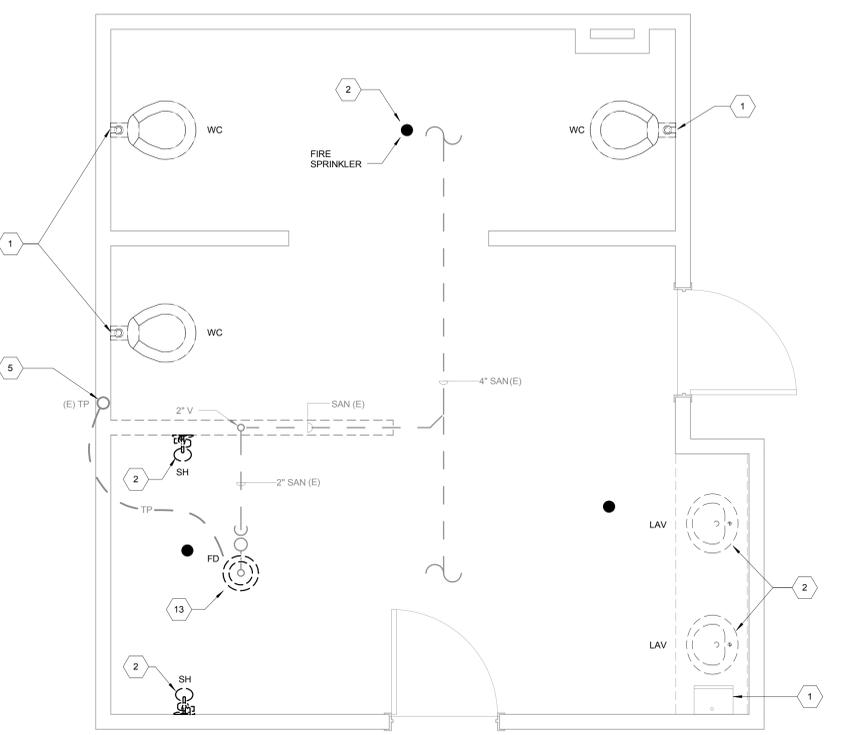
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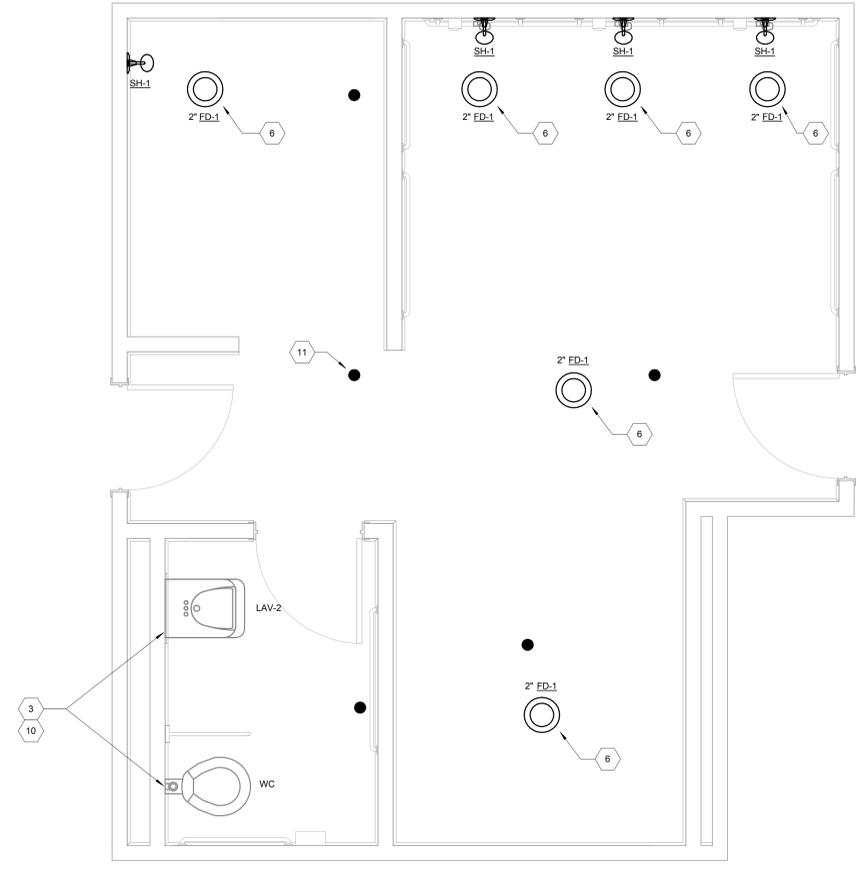
three inches = one foot  
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 three-quarters inch = one foot  
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 three-eighths inch = one foot  
 one-quarter inch = one foot  
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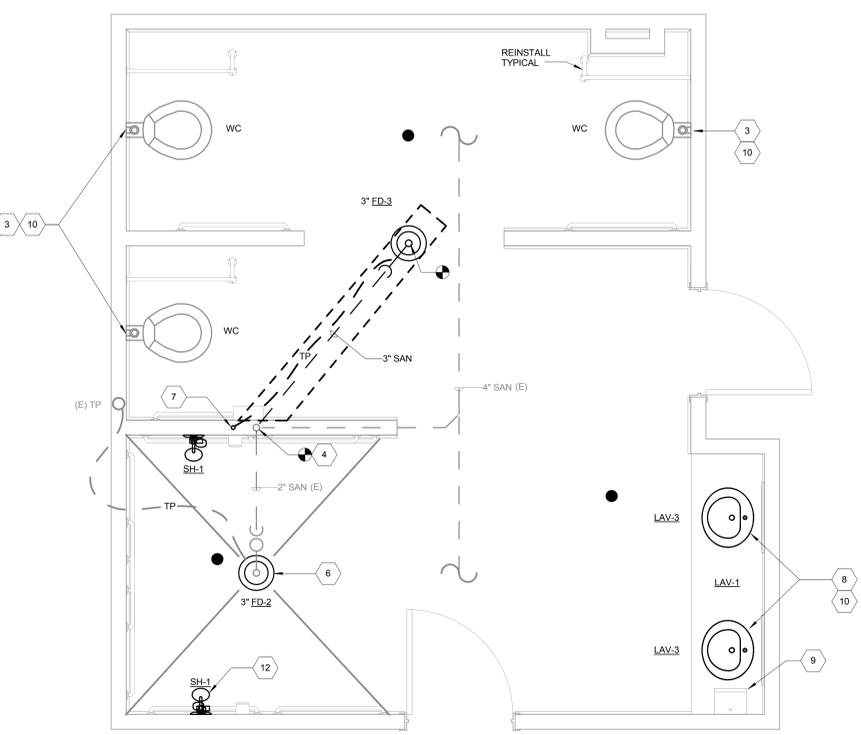
**1 1B-139 DEMOLITION**  
 1/2" = 1'-0"



**3 1B-136A DEMOLITION**  
 1/2" = 1'-0"



**2 1B-139A NEW**  
 1/2" = 1'-0"



**4 1B-136A NEW**  
 1/2" = 1'-0"

**GENERAL NOTES**

- COORDINATE WITH ALL OTHER DISCIPLINES DURING INSTALLATION OF NEW SYSTEMS.
- EXISTING PLUMBING LAYOUT HAS BEEN COMPILED FROM RECORD DRAWINGS AND FIELD OBSERVATIONS. REPORT DISCREPANCIES WITH THE ENGINEER OF RECORD.
- FIXTURE SUPPORTS: FIELD VERIFY EXISTING SUPPORTS MEET THE MINIMUM ACCEPTABLE RATINGS PER ASME A112.8.1M. LAVATORY CARRIERS WITH SUPPORT ARMS RATED FOR 250#. WATER CLOSET CARRIERS RATED FOR 500#. IT IS RECOMMENDED THAT WATER CLOSET CARRIERS BE RATED FOR A MINIMUM OF 750#. IF BARRIATIC REQUIREMENT IS 1,000#. IF FIXTURE SUPPORTS ARE MISSING OR INADEQUATE, DOCUMENT IN REQUEST FOR INFORMATION FORMAT, ALONG WITH PHOTOS AND SUBMIT TO ARCHITECT/ENGINEER.
- EXISTING TRAP PRIMER IS TO REMAIN. CONNECT NEW FLOOR DRAIN TO NEW TRAP PRIMER AND DISTRIBUTION UNIT, IF ACCEPTABLE BY AUTHORITY HAVING JURISDICTION. A TRAP GUARD DEVICE MAY BE USED IN LIEU OF A HARD-PIPED TRAP PRIMER.
- PROVIDE NEW SPRINKLER HEAD FIXTURES. SPRINKLER SHALL BE A FULLY CONCEALED STAINLESS STEEL BODY WITH ESCUTCHEON.

**KEYED NOTES**

- REMOVE PLUMBING FIXTURES/EQUIPMENT AND STORE AS DIRECTED BY OWNER FOR RE-INSTALLATION. PROVIDE CAP TO TEMPORARILY CLOSE OFF SYSTEM. REFER TO NEW WORK PLAN TO RE-INSTALLATION REQUIREMENTS. EXISTING FIXTURE CARRIERS TO REMAIN IN PLACE TO BE USED BY NEW WORK FIXTURES.
- DEMOLISH EXISTING PLUMBING FIXTURES. OWNER HAS RIGHT OF FIRST REFUSAL TO EQUIPMENT BEING DEMOLISHED. TYPICAL.
- REINSTALL PLUMBING FIXTURES. TIE-IN TO EXISTING SANITARY AND DOMESTIC WATER LINES. TYPICAL.
- TIE-IN TO EXISTING 2" VENT PIPE.
- EXISTING TRAP PRIMER TO REMAIN IN PLACE.
- PROVIDE NEW STRAINER TO EXISTING FLOOR DRAIN AS SCHEDULED. TYPICAL.
- PROVIDE NEW TRAP PRIMER TO CENTRAL LOCATION IN SHOWER WALL TO PICK UP NEW FLOOR DRAIN. RE-CONNECT EXISTING FLOOR DRAIN TO NEW UNIT.
- PROVIDE NEW LAVATORIES TO COUNTER SPACE AS SCHEDULED. EXISTING TAILPIECE TO BE RELOCATED AND RECONNECTED INSIDE THE WALL. REFER TO 1B-136A LAVATORY FOR FURTHER DETAILS.
- EXISTING PRESSURE WASHER TO BE RE-CONNECTED TO EXISTING COLD WATER LINE.
- PROVIDE ALL NECESSARY EQUIPMENT/COMPONENTS REQUIRED FOR RE-INSTALLATION.
- PROVIDE NEW FIRE SPRINKLERS DEFINED BY SPECIFICATIONS AND NOTED IN THE GENERAL NOTES. TYPICAL.
- PROVIDE NEW FIXTURES AS SCHEDULED. TYPICAL.
- DEMOLISH EXISTING STRAINER OF DRAIN BODY. OWNER HAS RIGHT OF FIRST REFUSAL TO EQUIPMENT BEING DEMOLISHED. TYPICAL.

Issued For Construction	6/10/2016
Revisions	Date

Consultants:

**LAN** Lockwood, Andrews & Newnam, Inc.  
 A LEG A DALY COMPANY

2925 Briarpark Drive  
 Suite 400  
 Houston, TX 77042  
 Tel 713-266-6900  
 www.lan-inc.com

Seal:

A/E:

**ROYAL ENGINEERS & CONSULTANTS, LLC**

4298 ELYSIAN FIELDS AVENUE  
 NEW ORLEANS, LOUISIANA 70122  
 www.royalengineering.net

Approved:

PROGRAM MANAGER, PROJECTS \_\_\_\_\_  
 SAFETY/INDUSTRIAL HYGIENE \_\_\_\_\_  
 HEALTH SYSTEM SPECIALIST \_\_\_\_\_  
 MAINTENANCE SUPERVISOR \_\_\_\_\_  
 MAINTENANCE FOREMAN \_\_\_\_\_  
 MAINTENANCE FOREMAN \_\_\_\_\_

Drawing Title

**136 & 139 CONGREGATE BATHROOMS**

Approved: Service Engineer \_\_\_\_\_  
 Approved: Service Director \_\_\_\_\_

Project Title

**RENO. BLDG. 96 SHOWERS AND BATHS**

Building Number	Checked	Drawn
96	MP	IP

Location:  
 3600 MEMORIAL BLVD. KERRVILLE, TX 78028

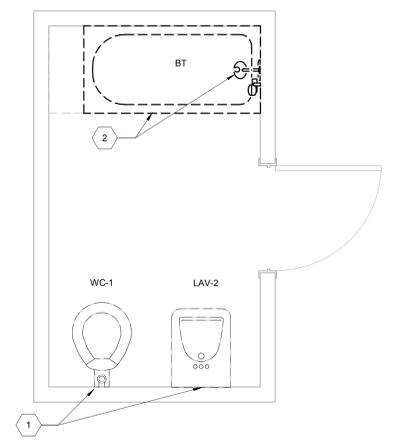
Date: 6/10/2016

Project No.: 170-10830-000

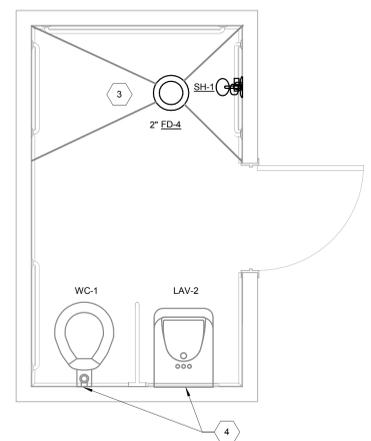
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Dwg. Of \_\_\_\_\_

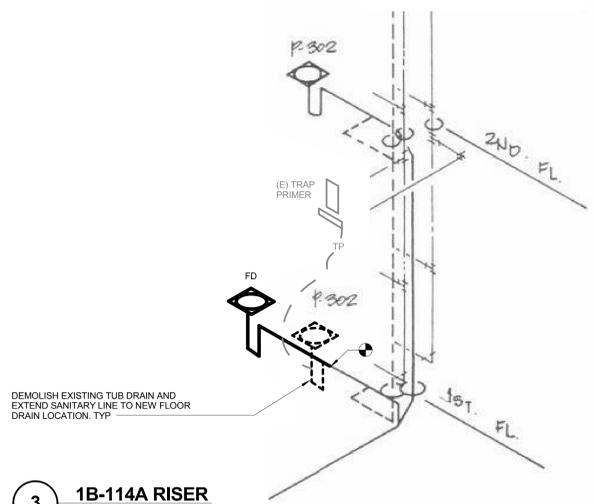
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 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
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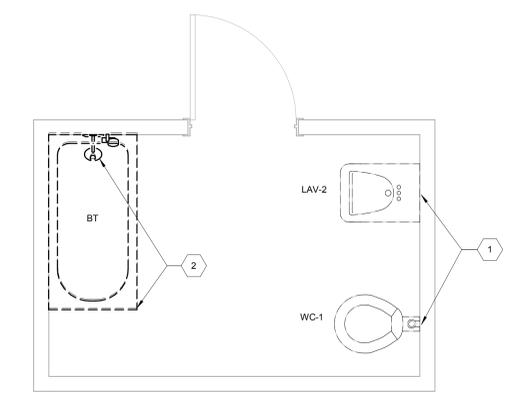
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 1/2" = 1'-0"



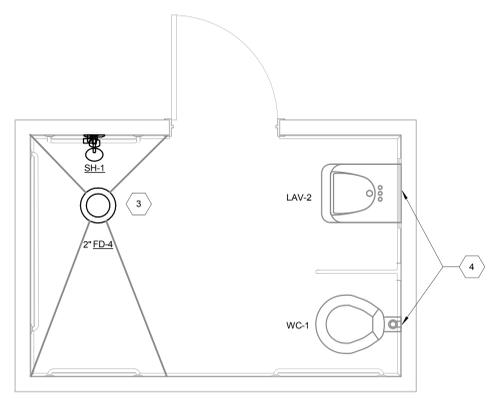
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 1/2" = 1'-0"



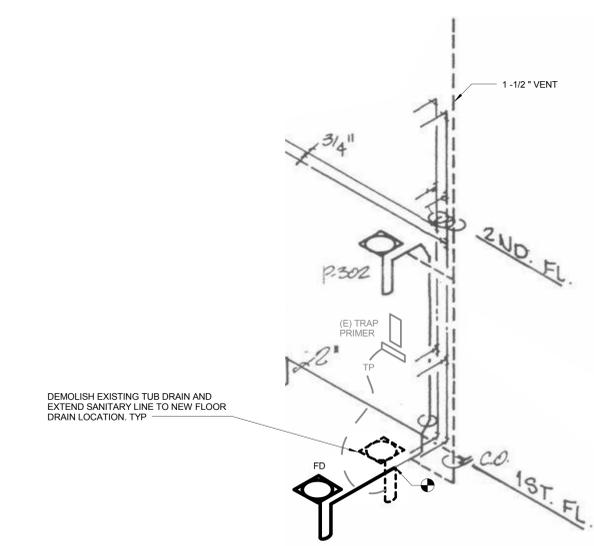
**3 1B-114A RISER**  
 SCALE: NTS



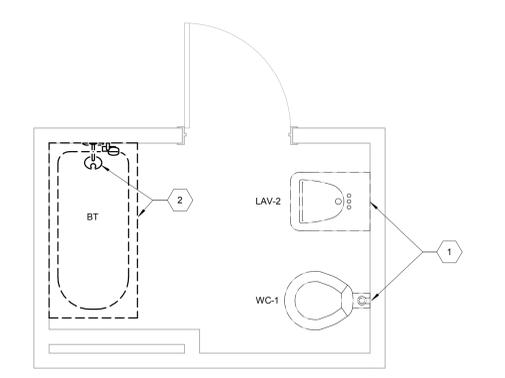
**4 2B-123A DEMOLITION**  
 1/2" = 1'-0"



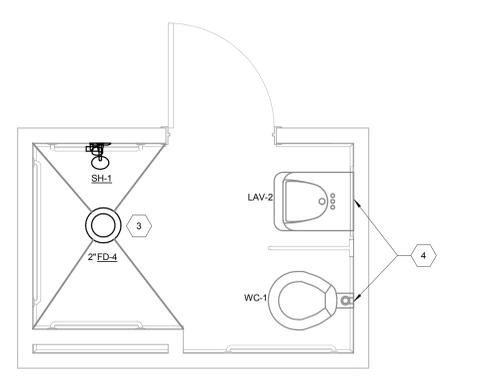
**5 2B-123A NEW**  
 1/2" = 1'-0"



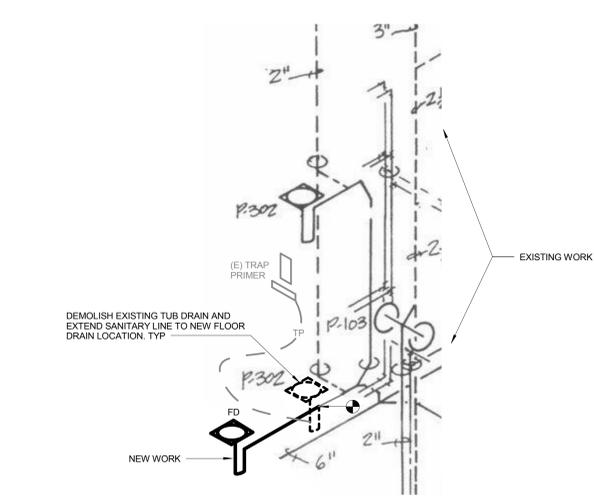
**6 1B-123A RISER**  
 SCALE: NTS



**7 2B-129A DEMOLITION**  
 1/2" = 1'-0"



**8 2B-129A NEW**  
 1/2" = 1'-0"



**9 1B-129A RISER**  
 SCALE: NTS

**GENERAL NOTES**

- COORDINATE WITH ALL OTHER DISCIPLINES DURING INSTALLATION OF NEW SYSTEMS.
- EXISTING PLUMBING LAYOUT HAS BEEN COMPILED FROM RECORD DRAWINGS AND FIELD OBSERVATIONS. REPORT DISCREPANCIES WITH THE ENGINEER OF RECORD.
- FIXTURE SUPPORTS: FIELD VERIFY EXISTING SUPPORTS MEET THE MINIMUM ACCEPTABLE RATINGS PER ASME A112.8.1M. LAVATORY CARRIERS WITH SUPPORT ARMS RATED FOR 250# AND WATER CLOSET CARRIERS RATED FOR 500#. IT IS RECOMMENDED THAT WATER CLOSET CARRIERS BE RATED FOR A MINIMUM OF 750#. IF BARIATRIC, REQUIREMENT IS 1,000#. IF FIXTURE SUPPORTS ARE MISSING OR INADEQUATE, DOCUMENT IN 'REQUEST FOR INFORMATION' FORMAT, ALONG WITH PHOTOS AND SUBMIT TO ARCHITECT/ENGINEER. TRAP PRIMER: EXISTING TRAP PRIMER DEVICE, DISTRIBUTION UNIT AND ACCESS PANEL TO REMAIN; REUSE OR TIE-IN TO EXISTING PIPING AND TUBING.

**KEYED NOTES**

- REMOVE PLUMBING FIXTURES/EQUIPMENT AND STORE AS DIRECTED BY OWNER FOR RE-INSTALLATION. PROVIDE CAP TO TEMPORARILY CLOSE OFF SYSTEM. REFER TO NEW WORK PLAN TO RE-INSTALLATION REQUIREMENTS.
- DEMOLISH EXISTING PLUMBING FIXTURES. OWNER HAS RIGHT OF FIRST REFUSAL TO EQUIPMENT BEING DEMOLISHED.
- PROVIDE DRAIN BODY AS SCHEDULED. COORDINATE THE LOCATION OF NEW SHOWER DRAIN WITH THE EXISTING SANITARY STUB-UP.
- REINSTALL PLUMBING FIXTURES. TIE-IN TO EXISTING SANITARY AND DOMESTIC WATER LINES. TYPICAL.
- PROVIDE ALL REQUIRED COMPONENTS FOR REINSTALLATION. (TAILPIECE, STOPS, TUBING, ETC...)

Issued For Construction	6/10/2016
Revisions	Date

Consultants:

**Lockwood, Andrews & Newnam, Inc.**  
 A LEG A DALY COMPANY  
 2925 Briarpark Drive  
 Suite 400  
 Houston, TX 77042  
 Tel 713-266-6900  
 www.lan-inc.com

Seal:

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 Texas Registered Engineering Firm F-2614

A/E:

**ROYAL ENGINEERS & CONSULTANTS, LLC**  
 4298 ELYSIAN FIELDS AVENUE  
 NEW ORLEANS, LOUISIANA 70122  
 www.royalengineering.net

Approved:

PROGRAM MANAGER, PROJECTS \_\_\_\_\_  
 SAFETY/INDUSTRIAL HYGIENE \_\_\_\_\_  
 HEALTH SYSTEM SPECIALIST \_\_\_\_\_  
 MAINTENANCE SUPERVISOR \_\_\_\_\_  
 MAINTENANCE FOREMAN \_\_\_\_\_  
 MAINTENANCE FOREMAN \_\_\_\_\_

Drawing Title

**INDIVIDUAL BATHROOMS**

Approved: Service Engineer \_\_\_\_\_  
 Approved: Service Director \_\_\_\_\_

Project Title

**RENO. BLDG. 96 SHOWERS AND BATHS**

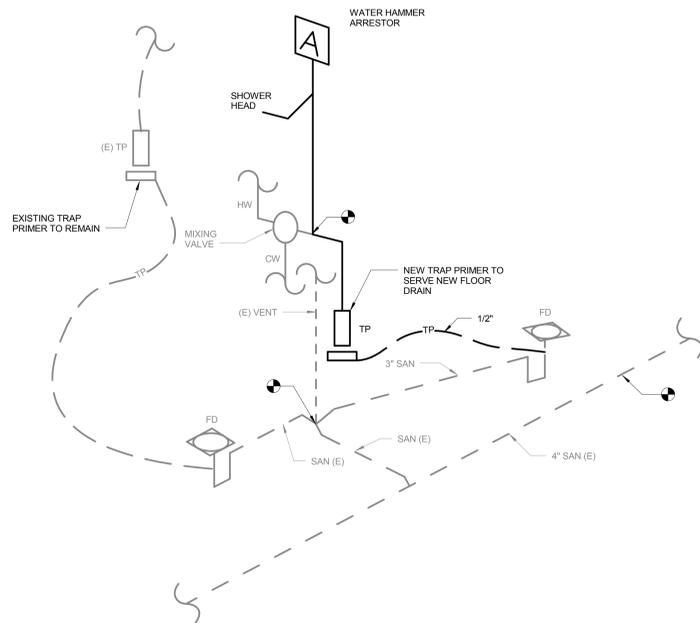
Building Number: 96  
 Checked: MP  
 Drawn: IP  
 Location: 3600 MEMORIAL BLVD, KERRVILLE, TX 78028

Date: 6/10/2016  
 Project No.: 170-10830-000  
 DRAWING NO.: **P102**  
 Dwg. Of: \_\_\_\_\_

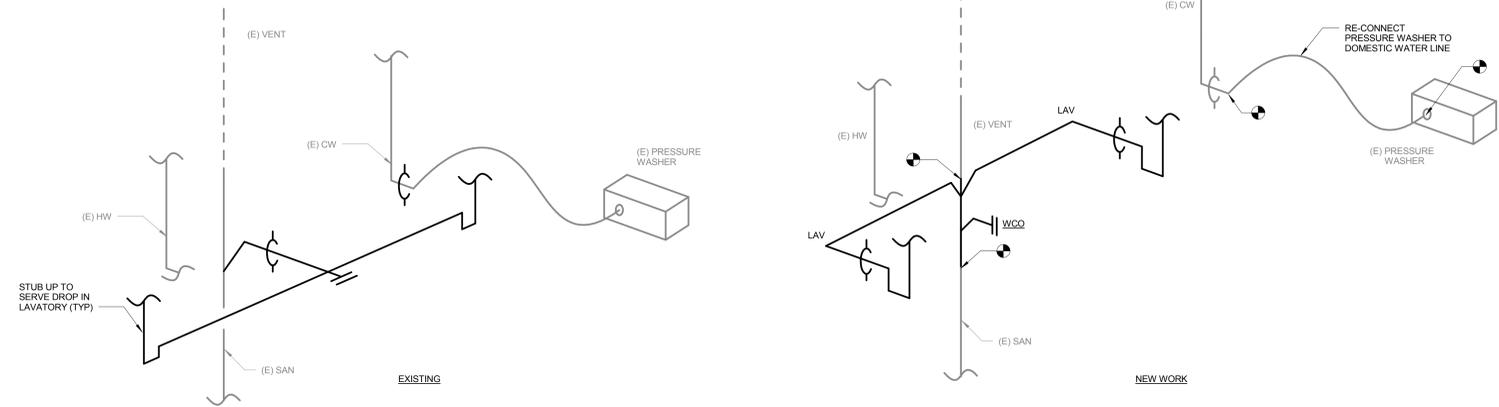
Department of Veterans Affairs

Mark	Description	Manufacturer	Model	Diameter CW	Diameter HW	WASTE	VENT	Notes
FD-1	FLOOR DRAIN	MIFAB				2"		REPLACE STRAINER OF EXISTING DRAIN
FD-2	FLOOR DRAIN	MIFAB				3"		REPLACE STRAINER OF EXISTING DRAIN
FD-3	FLOOR DRAIN	MIFAB	F1100-C-X (NICKEL BRONZE)			3"		INSTALL NEW DRAIN
FD-4	FLOOR DRAIN	MIFAB	F1100-C-X (NICKEL BRONZE)			2"		INSTALL NEW DRAIN
LAV-1	LAVATORY	Chicago Faucet	423-POABCP	1/2"	1/2"			
LAV-2	LAVATORY	Chicago Faucet	1895-E35ABCP	1/2"	1/2"			
LAV-3	LAVATORY	American Standard	RONDALYN - 0491.019	1/2"	1/2"			
SH-1	SHOWER HEAD	Bradley	E24	1/2"	1/2"			
TP-1	TRAP PRIMER	MIFAB	M2500-NFB			1/2"		
WC-1	FLUSHOMETER	American Standard	6047.161.002	1"				

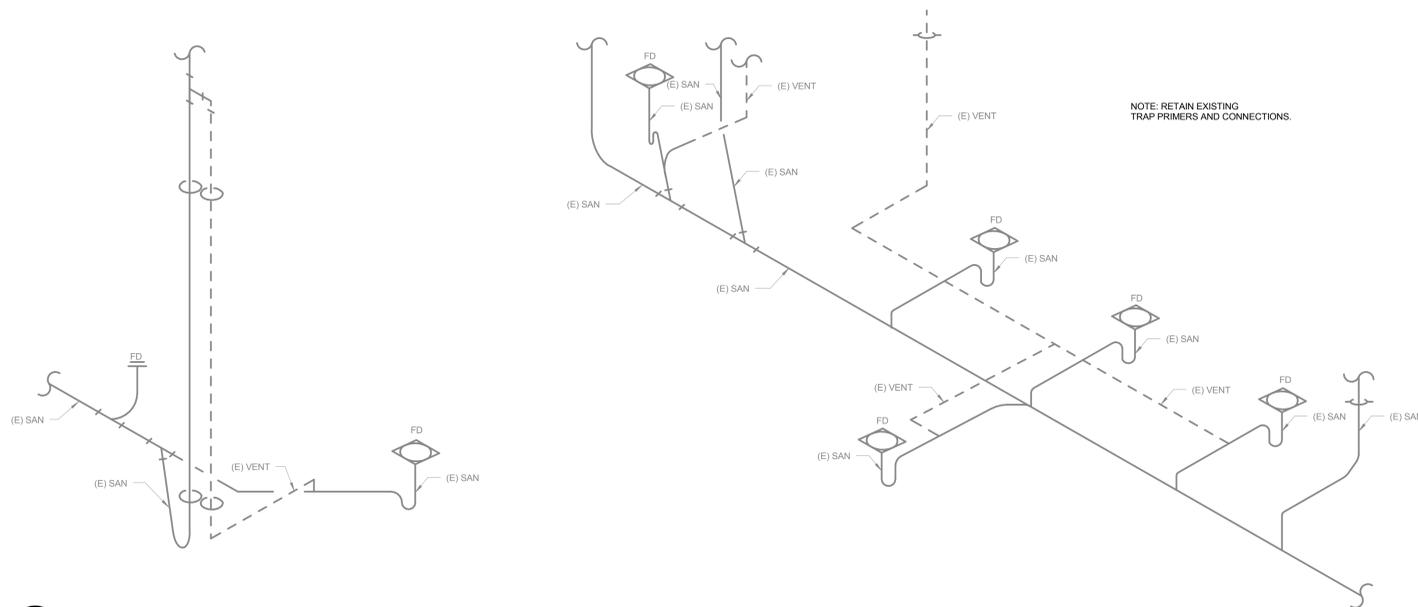
\*BLANK CELLS ARE NOT APPLICABLE



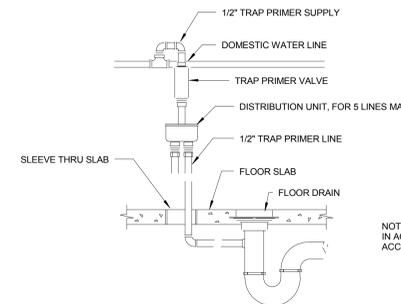
1 1B-136A RISER  
SCALE: NTS



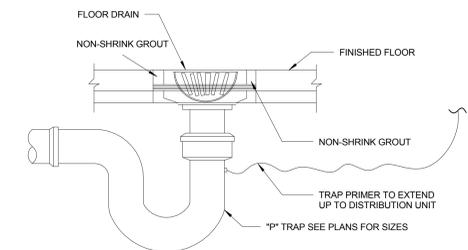
2 1B-136A RISER - LAVATORIES  
SCALE: NTS



3 1B-139 RISER  
SCALE: NTS



5 TRAP PRIMER DETAIL  
SCALE: NTS



4 FLOOR DRAIN DETAIL  
SCALE: NTS

Issued For Construction	Date
	6/10/2016
Revisions	Date

Consultants:

**LAN** Lockwood, Andrews & Newnam, Inc.  
A LEG A DALY COMPANY

2925 Briarpark Drive  
Suite 400  
Houston, TX 77042  
Tel 713-266-6900  
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Seal:

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**ROYAL ENGINEERS & CONSULTANTS, LLC**

4298 ELYSIAN FIELDS AVENUE  
NEW ORLEANS, LOUISIANA 70122  
www.royalengineering.net

Approved:

PROGRAM MANAGER, PROJECTS \_\_\_\_\_  
SAFETY/INDUSTRIAL HYGIENE \_\_\_\_\_  
HEALTH SYSTEM SPECIALIST \_\_\_\_\_  
MAINTENANCE SUPERVISOR \_\_\_\_\_  
MAINTENANCE FOREMAN \_\_\_\_\_  
MAINTENANCE FOREMAN \_\_\_\_\_

Drawing Title

**PLUMBING SCHEDULES, DETAILS & RISERS**

Approved: Service Engineer \_\_\_\_\_  
Approved: Service Director \_\_\_\_\_

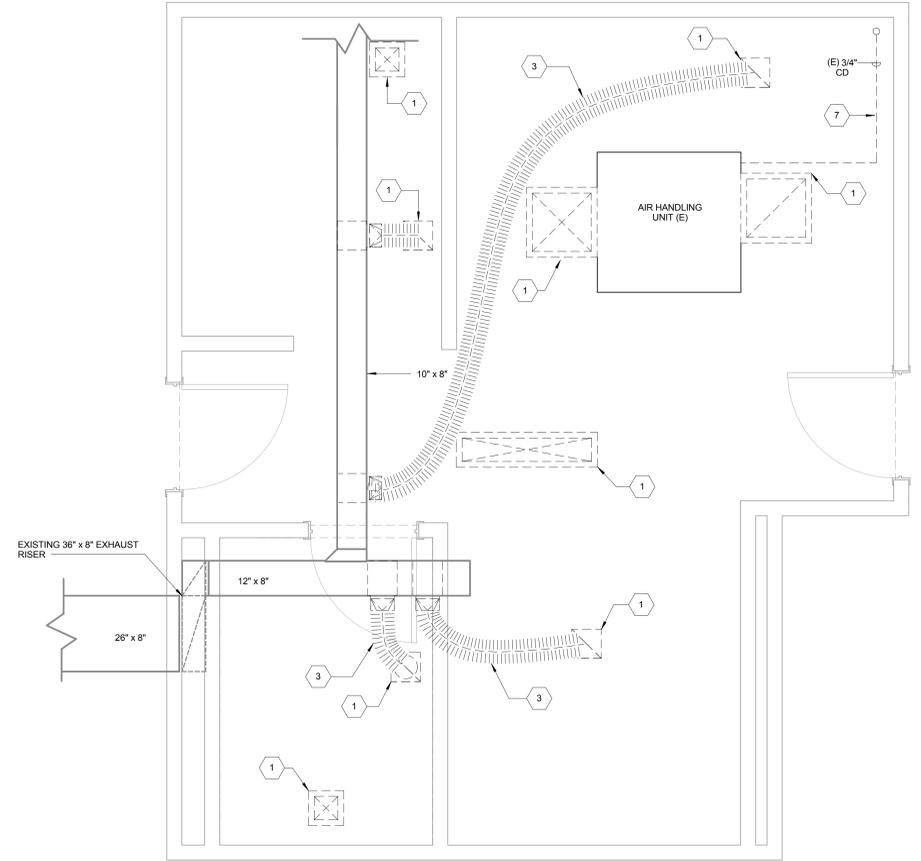
Project Title

**RENO. BLDG. 96 SHOWERS AND BATHS**

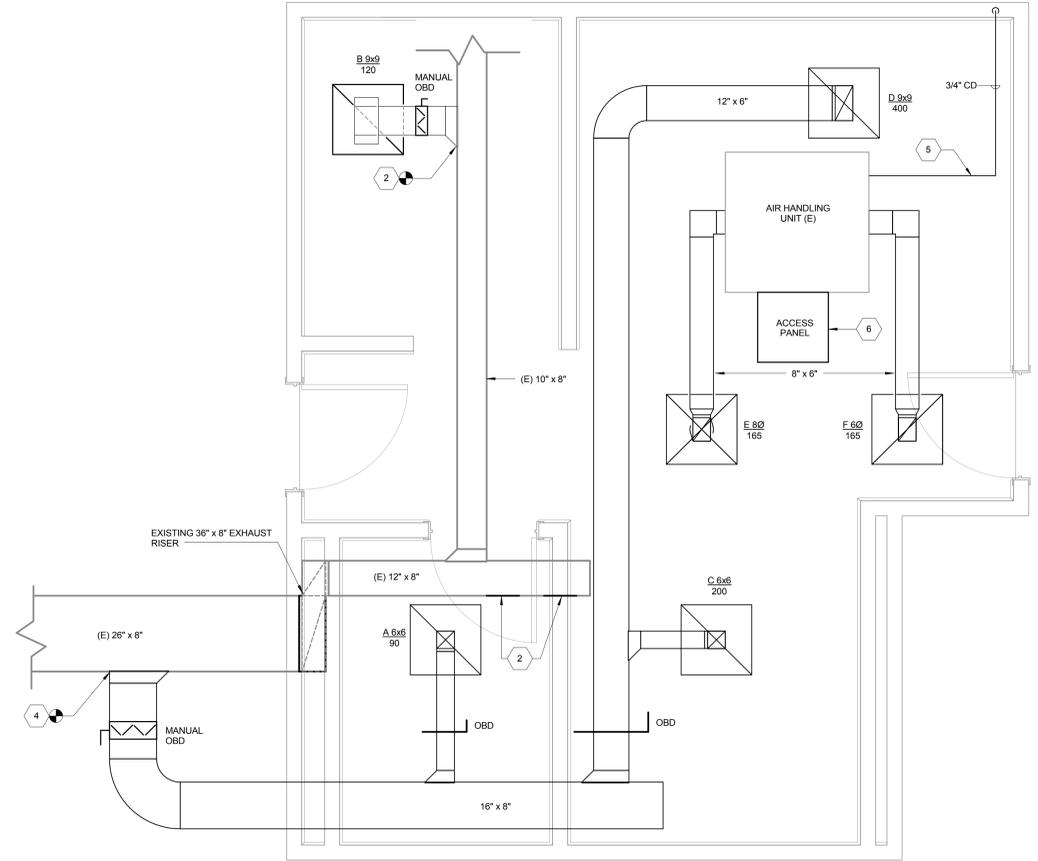
Date: 6/10/2016  
Project No.: 170-10830-000  
Building Number: 96  
Checked: MP  
Drawn: IP  
Location: 3600 MEMORIAL BLVD. KERRVILLE, TX 78028  
DRAWING NO.: **P601**  
Dwg. of \_\_\_\_\_

Office of Facilities  
Department of Veterans Affairs

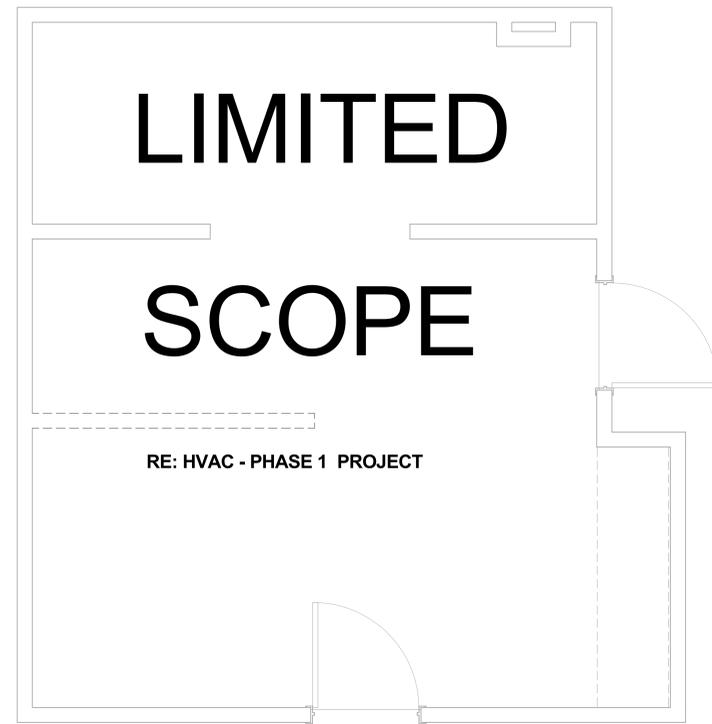
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**1 1B-139 DEMOLITION HVAC**  
 1/2" = 1'-0"



**2 1B-139 NEW HVAC**  
 1/2" = 1'-0"



**3 1B-136A DEMOLITION HVAC**  
 1/2" = 1'-0"



**4 1B-136 NEW HVAC**  
 1/2" = 1'-0"

**GENERAL NOTES**

- COORDINATE WITH ALL OTHER DISCIPLINES DURING INSTALLATION OF NEW SYSTEMS.
- EXISTING HVAC LAYOUT HAS BEEN COMPILED FROM RECORD DRAWINGS AND FIELD OBSERVATIONS. REPORT DISCREPANCIES WITH THE ENGINEER OF RECORD.
- ACCESS PANELS IN CEILING SHALL BE STAINLESS STEEL WITH MUD-RING, SEALED FOR WET AREAS, PAINT TO MATCH CEILING. PAINT SPECIFIED BY ARCHITECT.

**KEYED NOTES**

- REMOVE EXISTING MECHANICAL AIR DEVICES. OWNER HAS FIRST RIGHT OF REFUSAL.
- PROVIDE SHEET METAL DUCT CAP AND SEAL BRANCH TAP AFTER DEMOLITION WORK.
- REMOVE EXISTING FLEXIBLE DUCTWORK.
- CONNECT NEW EXHAUST DUCTWORK INTO EXISTING BRANCH MAIN.
- ROUTE NEW CONDENSATE LINE TO TURN DOWN WITHIN THE WALL. CONDENSATE LINE SHALL BE CONSTRUCTED OF APPROVED PLENUM RATED MATERIALS. PIPE SHALL PENETRATE TILE WALL 6" FROM TILED FLOOR TO SPLASH ON FLOORING. CONTRACTOR SHALL PROVIDE PAINTABLE STAINLESS STEEL ESCUTCHEON FOR PENETRATION.
- CONTRACTOR SHALL PROVIDE ACCESS PANEL IN LOCATION THAT IS TO BE DETERMINED AND APPROVED BY VA. PANEL SHALL BE STAINLESS STEEL WITH MUD-RING, SEALED FOR WET AREAS, PAINT TO MATCH CEILING. PAINT COLOR SPECIFIED BY ARCHITECT.
- REMOVE EXISTING CONDENSATE DRAIN LINE.

Issued For Construction	6/10/2016
Revisions	Date

Consultants:  
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 A LEG A DALY COMPANY  
 2925 Briarpark Drive  
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Seal:  
  
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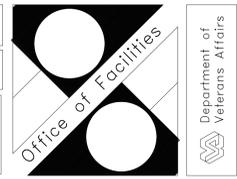
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Approved:  
 PROGRAM MANAGER, PROJECTS \_\_\_\_\_  
 SAFETY/INDUSTRIAL HYGIENE \_\_\_\_\_  
 HEALTH SYSTEM SPECIALIST \_\_\_\_\_  
 MAINTENANCE SUPERVISOR \_\_\_\_\_  
 MAINTENANCE FOREMAN \_\_\_\_\_  
 MAINTENANCE FOREMAN \_\_\_\_\_

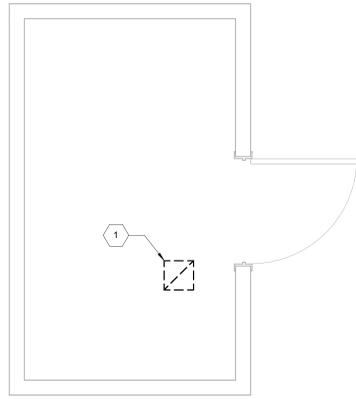
Drawing Title  
**136 & 139 CONGREGATE BATHROOMS**  
 Approved: Service Engineer \_\_\_\_\_  
 Approved: Service Director \_\_\_\_\_

Project Title  
**RENO. BLDG. 96 SHOWERS AND BATHS**  
 Building Number: **96**  
 Checked: **MP**  
 Drawn: **IP**  
 Location:  
**3600 MEMORIAL BLVD, KERRVILLE, TX 78028**

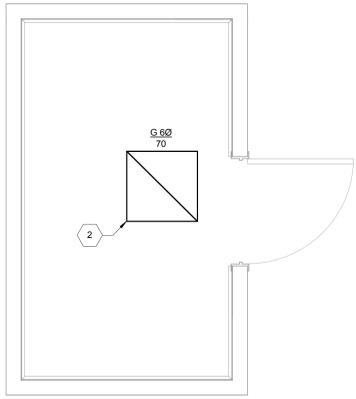
Date: **6/10/2016**  
 Project No.: **170-10830-000**  
 DRAWING NO.: **M101**  
 Dwg. of \_\_\_\_\_



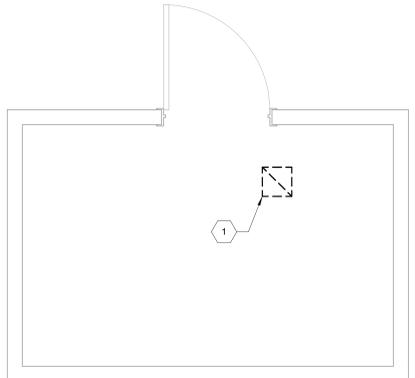
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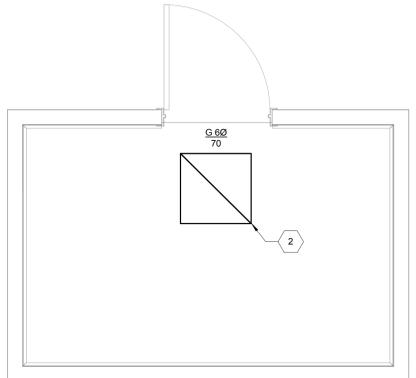
**1 2B-114A DEMOLITION HVAC**  
 1/2" = 1'-0"



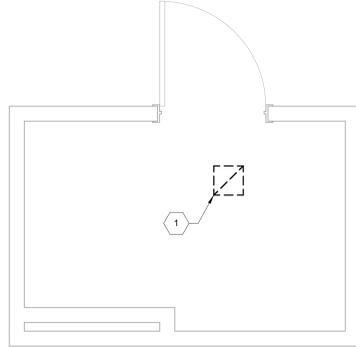
**2 2B-114A NEW HVAC**  
 1/2" = 1'-0"



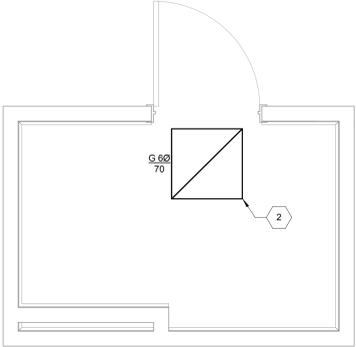
**3 2B-123A DEMOLITION HVAC**  
 1/2" = 1'-0"



**4 2B-123A NEW HVAC**  
 1/2" = 1'-0"

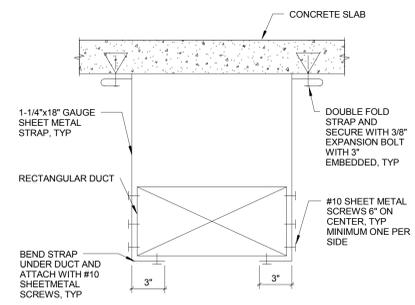


**5 2B-129A DEMOLITION HVAC**  
 1/2" = 1'-0"



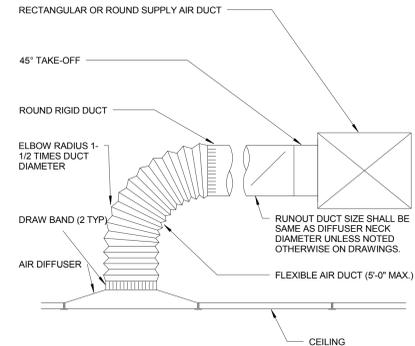
**6 2B-129A NEW HVAC**  
 1/2" = 1'-0"

DIFFUSER, REGISTER AND GRILL SCHEDULE						
Mark	TYPE	AIR TERMINAL AIR FLOW	FINISH	MANUFACTURER	MODEL	NOTES
A	EXHAUST GRILLE	90	ALUMINUM	TITUS	TITUS	STYLE TO MATCH EXISTING
B	EXHAUST GRILLE	120	ALUMINUM	TITUS	TITUS	STYLE TO MATCH EXISTING
C	EXHAUST GRILLE	200	ALUMINUM	TITUS	TITUS	STYLE TO MATCH EXISTING
D	EXHAUST GRILLE	400	ALUMINUM	TITUS	TITUS	STYLE TO MATCH EXISTING
E	SUPPLY GRILLE	165	ALUMINUM	TITUS	TITUS	STYLE TO MATCH EXISTING
F	RETURN GRILLE	165	ALUMINUM	TITUS	TITUS	STYLE TO MATCH EXISTING
G	EXHAUST GRILLE	70	ALUMINUM	TITUS	TITUS	STYLE TO MATCH EXISTING



NOTE: MECHANICAL CONTRACTOR TO PROVIDE SUPPORTS PER SMACNA, MINIMUM ONE SUPPORT PER DUCT BRANCH.

**7 DUCT SUPPORT DETAIL**  
 SCALE: NTS



**8 DUCT TO SUPPLY DIFFUSER DETAIL**  
 SCALE: NTS

**GENERAL NOTES**

- COORDINATE WITH ALL OTHER DISCIPLINES DURING INSTALLATION OF NEW SYSTEMS.
- EXISTING HVAC LAYOUT HAS BEEN COMPILED FROM RECORD DRAWINGS AND FIELD OBSERVATIONS. REPORT DISCREPANCIES WITH THE ENGINEER OF RECORD.

**KEYED NOTES**

- REMOVE EXISTING MECHANICAL AIR DEVICES AND RETURN TO OWNER OR DISPOSE OF AS DIRECTED BY OWNER.
- PROVIDE NEW AIR DEVICE, RECONNECT TO EXISTING BRANCH DUCTWORK. REFER TO SCHEDULES. COORDINATE LAYOUT WITH ARCHITECTURAL AND LIGHTING.

Issued For Construction	6/10/2016
Revisions	Date

Consultants:

**Lockwood, Andrews & Newnam, Inc.**  
 A LEG A DALY COMPANY  
 2925 Briarpark Drive  
 Suite 400  
 Houston, TX 77042  
 Tel 713-266-6900  
 www.lan-inc.com

Seal:

Lockwood, Andrews & Newnam, Inc.  
 Texas Registered Engineering Firm F-2614

A/E:

**ROYAL ENGINEERS & CONSULTANTS, LLC**  
 4298 ELYSIAN FIELDS AVENUE  
 NEW ORLEANS, LOUISIANA 70122  
 www.royalengineering.net

Approved:

PROGRAM MANAGER, PROJECTS \_\_\_\_\_  
 SAFETY/INDUSTRIAL HYGIENE \_\_\_\_\_  
 HEALTH SYSTEM SPECIALIST \_\_\_\_\_  
 MAINTENANCE SUPERVISOR \_\_\_\_\_  
 MAINTENANCE FOREMAN \_\_\_\_\_  
 MAINTENANCE FOREMAN \_\_\_\_\_

Drawing Title

**INDIVIDUAL BATHROOMS & MECHANICAL RISERS**

Approved: Service Engineer \_\_\_\_\_  
 Approved: Service Director \_\_\_\_\_

Project Title

**RENO. BLDG. 96 SHOWERS AND BATHS**

Building Number: **96** Checked: **MP** Drawn: **IP**

Location: **3600 MEMORIAL BLVD. KERRVILLE, TX 78028**

Date: **6/10/2016**

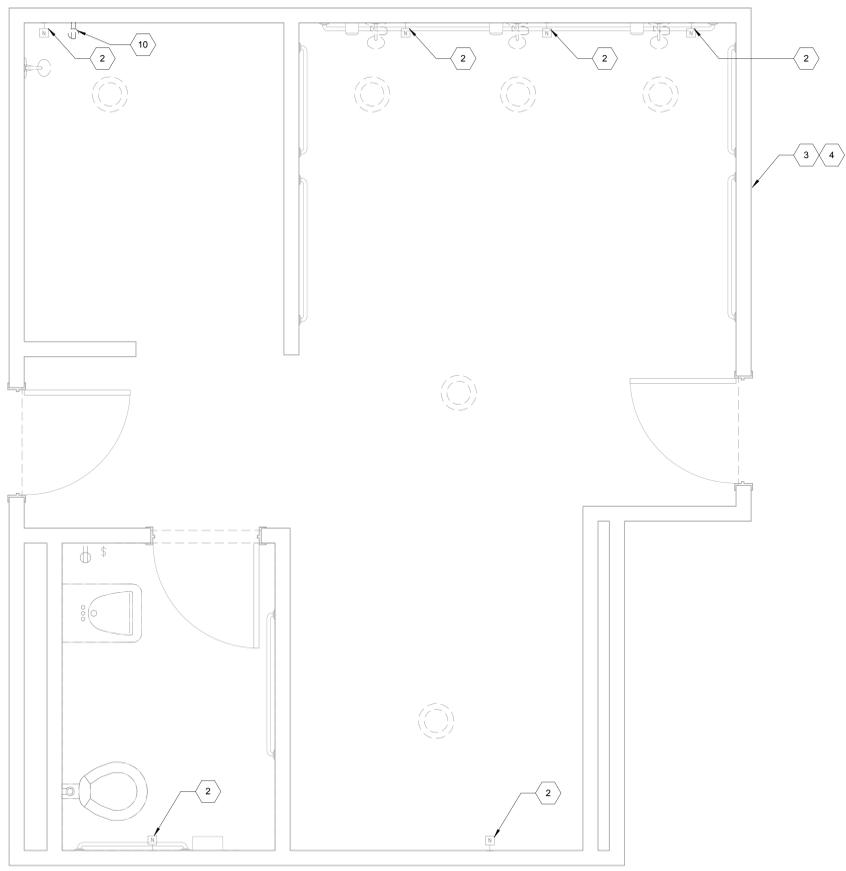
Project No.: **170-10830-000**

DRAWING NO.: **M102**

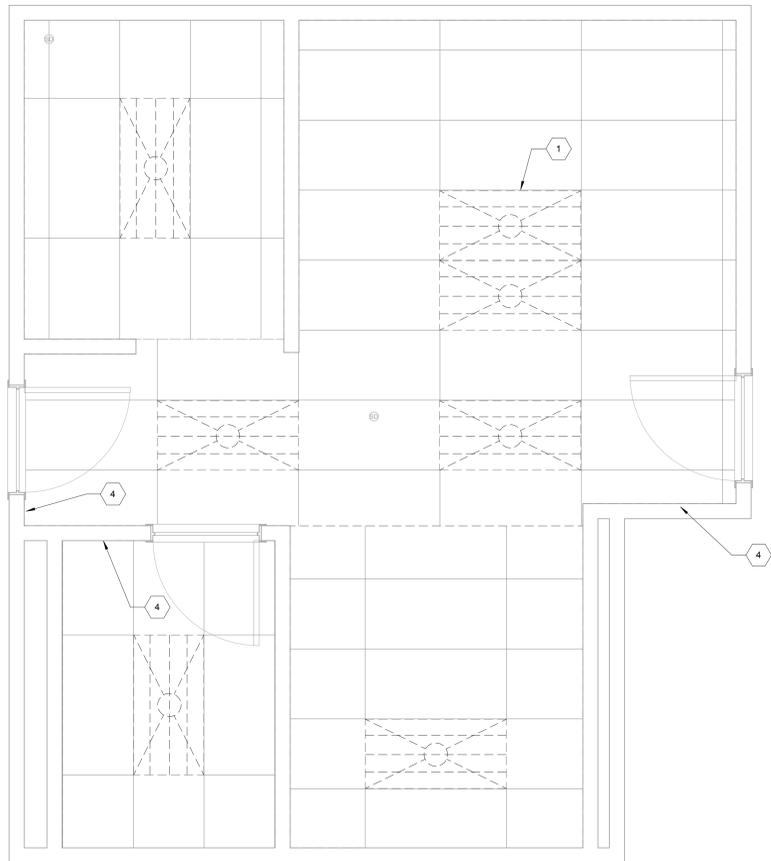
Dwg. Of \_\_\_\_\_

Department of Veterans Affairs

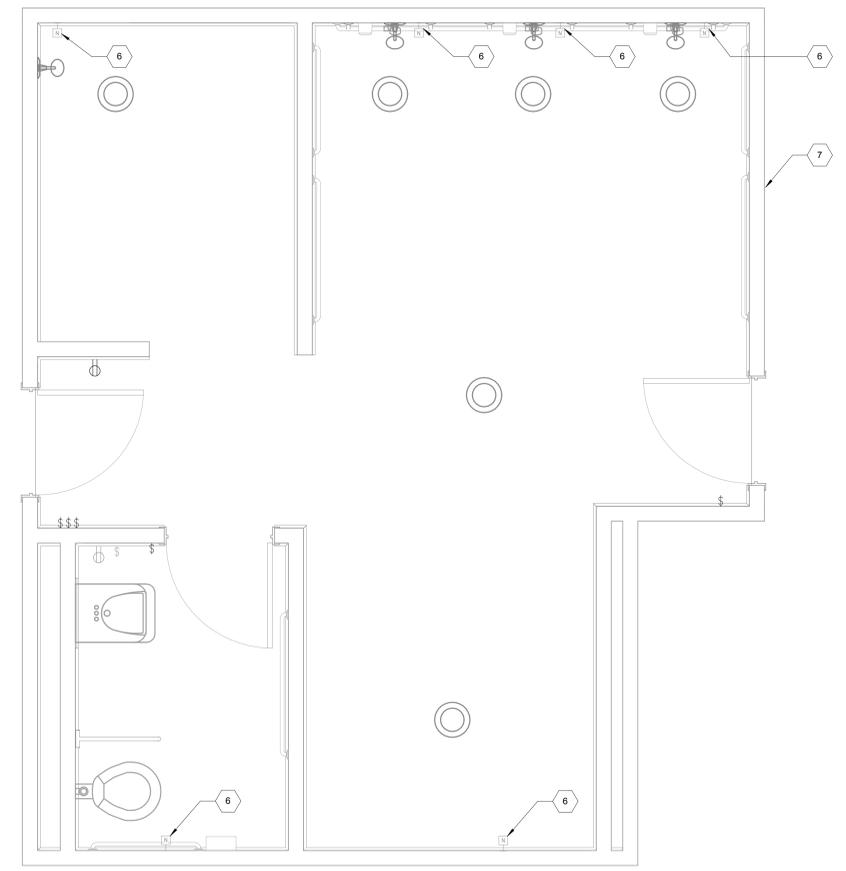
three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot



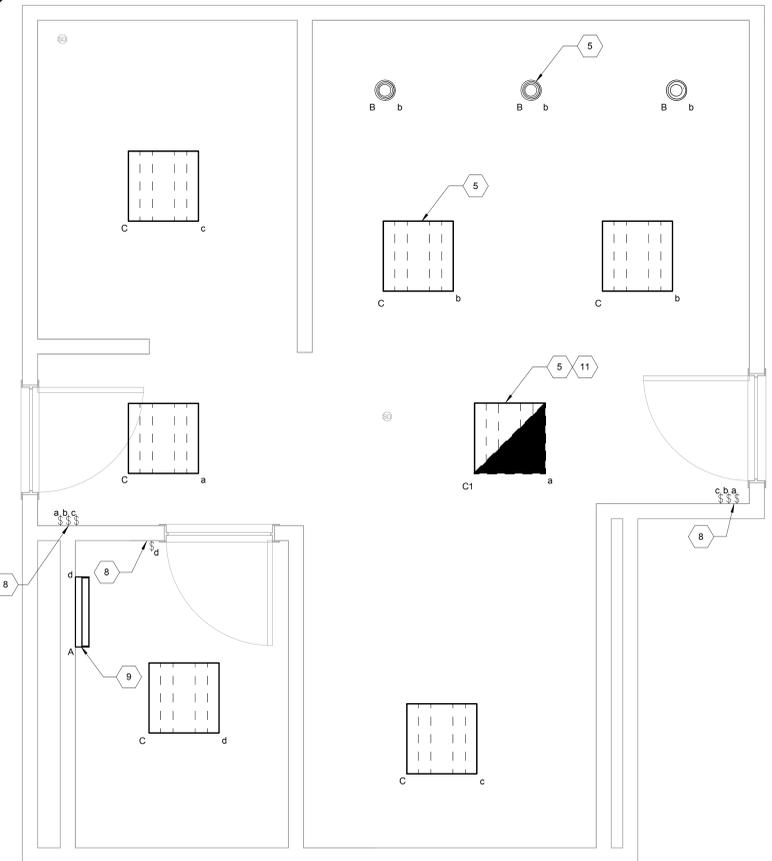
**1 1B-139 DEMOLITION POWER**  
 1/2" = 1'-0"



**3 1B-139 DEMOLITION LIGHTING**  
 1/2" = 1'-0"



**2 1B-139 NEW POWER**  
 1/2" = 1'-0"



**4 1B-139 NEW LIGHTING**  
 1/2" = 1'-0"

**GENERAL NOTES**

- EXISTING ELECTRICAL LAYOUT HAS BEEN COMPILED FROM RECORD DRAWINGS AND FIELD OBSERVATIONS. REPORT DISCREPANCIES WITH THE ENGINEER OF RECORD.
- REFER TO SHEET MEP-001 FOR SYMBOL LEGEND AND ABBREVIATIONS.
- REFER TO SHEET E-491 FOR LIGHT FIXTURE SCHEDULE.
- REWORK EXISTING BOXES, CONDUIT, AND CONDUCTORS FOR INSTALLATION OF NEW DEVICES AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. REINSTALL EXISTING FIRE ALARM DEVICES, IF ANY, ON NEW FINISHED WALLS AND CEILINGS.

**KEYED NOTES**

- REMOVE EXISTING LIGHT FIXTURE. DISCONNECT LIGHTING CIRCUIT CONDUCTORS AND PRESERVE FOR CONNECTION TO NEW LIGHT FIXTURE. RETURN DEMOLISHED FIXTURES TO OWNER OR DISPOSE OF AS DIRECTED BY OWNER. TYPICAL.
- REMOVE EXISTING NURSE CALL DEVICE AND COVER PLATE. DISCONNECT SIGNAL CABLES AND STORE FOR RECONNECTION TO NEW NURSE CALL DEVICE.
- REMOVE ALL EXISTING RECEPTACLES AND COVER PLATES IN RESTROOM. DISCONNECT POWER CONDUCTORS AND PRESERVE FOR RECONNECTION TO NEW RECEPTACLES.
- REMOVE ALL EXISTING LIGHT SWITCHES AND COVER PLATES IN RESTROOM. INSTALL NEW LIGHT SWITCHES AND COVER PLATES.
- INSTALL NEW LIGHT FIXTURE. REUSE EXISTING LIGHTING CONDUCTORS FOR CONNECTION TO NEW LIGHT FIXTURE. CONFIRM EXISTING CIRCUIT DESIGNATION AND INCLUDE CIRCUIT NUMBER IN RECORD DRAWINGS. TYPICAL.
- INSTALL NEW NURSE CALL DEVICE AND COVER PLATE. CONFIRM WORKING OPERATION FOR NEW STATION. REUSE EXISTING SIGNAL CABLES FOR CONNECTION TO NEW NURSE CALL DEVICE.
- INSTALL NEW 20A NEMA SR GFCI RECEPTACLES AND COVER PLATES AT ALL EXISTING LOCATIONS. CONFIRM EXISTING CIRCUIT DESIGNATION AND INCLUDE CIRCUIT NUMBER IN RECORD DRAWINGS. REUSE EXISTING POWER CONDUCTORS FOR CONNECTION TO NEW RECEPTACLES.
- INSTALL NEW LIGHT SWITCHES AND COVER PLATES AT ALL EXISTING LOCATIONS. REUSE EXISTING CONDUCTORS FOR CONNECTION TO NEW LIGHT SWITCH.
- INSTALL NEW LIGHT FIXTURE ABOVE SINK. EXTEND POWER CONDUCTORS FROM EXISTING LIGHTING CIRCUIT IN RESTROOM TO POWER LIGHT FIXTURE. CENTER LIGHT FIXTURE BETWEEN TOP OF MIRROR AND CEILING. CONFIRM EXISTING CIRCUIT DESIGNATION AND INCLUDE CIRCUIT NUMBER IN RECORD DRAWINGS.
- FIXTURE TO BE DEMOLISHED AND RETAINED FOR REINSTALLATION. FIELD VERIFY AND CONNECT EMERGENCY LIGHTING CIRCUIT. IF THERE IS NO EXISTING EMERGENCY CIRCUIT, PROVIDE LIGHT FIXTURE WITH BATTERY BACKUP. TYPICAL. CONFIRM THAT AN UNSWITCHED CONDUCTOR IS PRESENT TO CONNECT TO THE BATTERY UNIT TO OPERATE AS A SWITCHED EMERGENCY LIGHTING UNIT. IF NOT PRESENT, INSTALL AN UNSWITCHED POWER CONDUCTOR TO THE BATTERY UNIT.

Issued For Construction	6/10/2016
Revisions	Date

Consultants:

**LAN** Lockwood, Andrews & Newnam, Inc.  
 A LEG A DALY COMPANY

2925 Briarpark Drive  
 Suite 400  
 Houston, TX 77042  
 Tel 713-266-6900  
 www.lan-inc.com

Seal:

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A/E:

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4298 ELYSIAN FIELDS AVENUE  
 NEW ORLEANS, LOUISIANA 70122  
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Approved:

PROGRAM MANAGER, PROJECTS \_\_\_\_\_  
 SAFETY/INDUSTRIAL HYGIENE \_\_\_\_\_  
 HEALTH SYSTEM SPECIALIST \_\_\_\_\_  
 MAINTENANCE SUPERVISOR \_\_\_\_\_  
 MAINTENANCE FOREMAN \_\_\_\_\_  
 MAINTENANCE FOREMAN \_\_\_\_\_

Drawing Title

**1B - 139 CONGREGATE BATH**

Approved: Service Engineer \_\_\_\_\_  
 Approved: Service Director \_\_\_\_\_

Project Title

**RENO. BLDG. 96 SHOWERS AND BATHS**

Building Number: **96**  
 Checked: **MP**  
 Drawn: **IP**

Location:  
**3600 MEMORIAL BLVD. KERRVILLE, TX 78028**

Date: **6/10/2016**

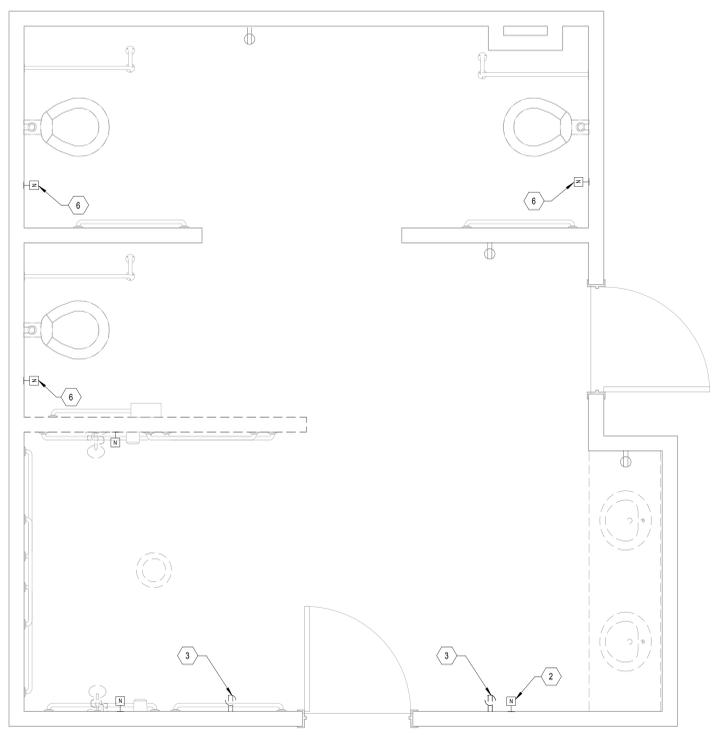
Project No.: **170-10830-000**

DRAWING NO.: **E101**

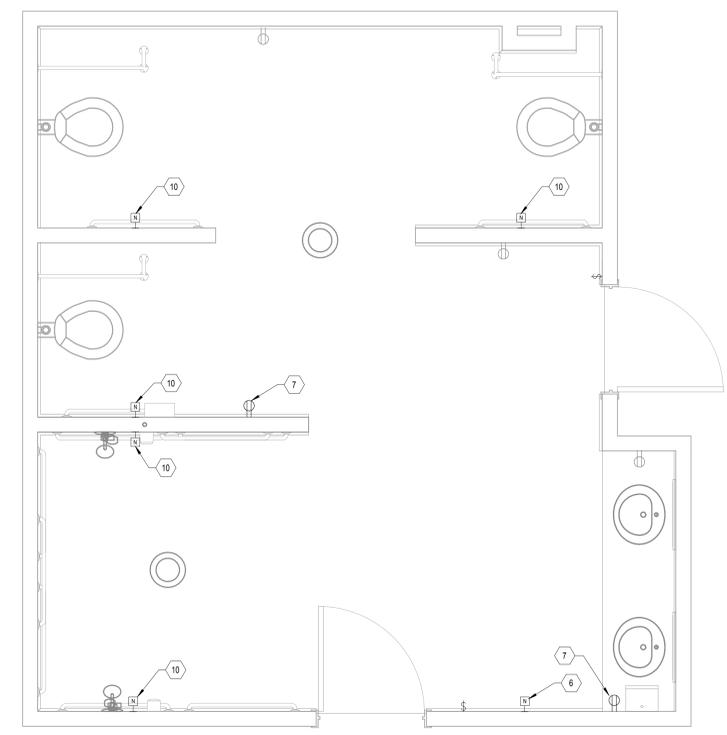
Dwg. Of \_\_\_\_\_

Department of Veterans Affairs

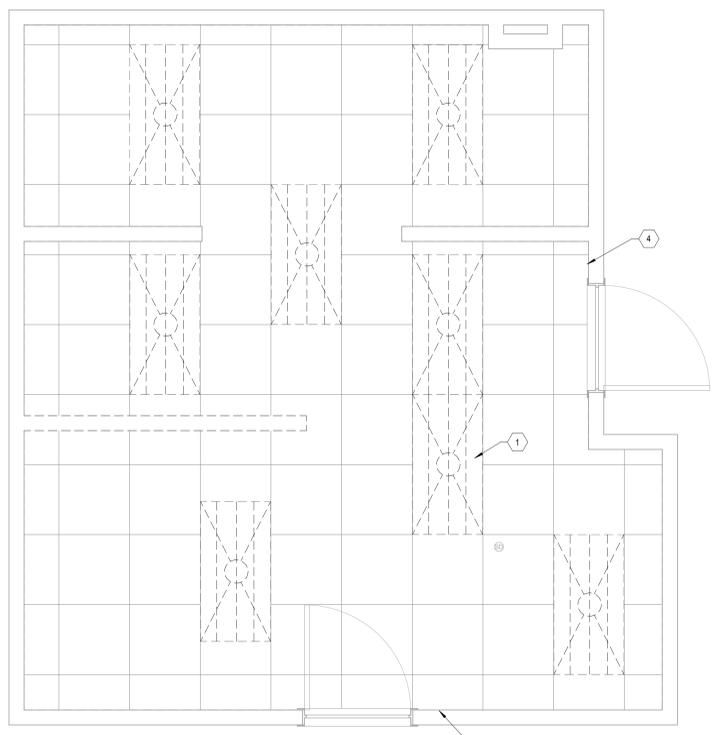
three inches = one foot  
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 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot



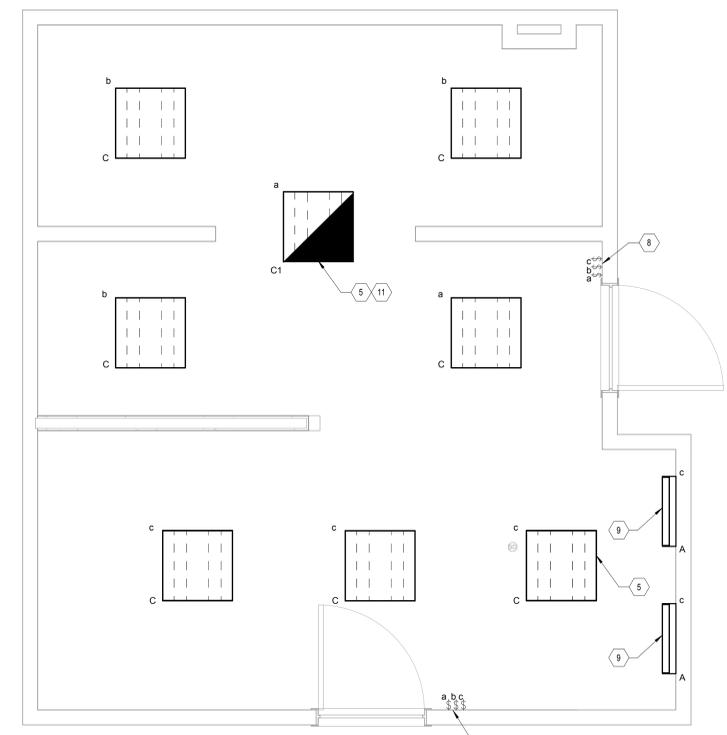
**1 1B-136 DEMOLITION POWER**  
 1/2" = 1'-0"



**2 1B-136 NEW POWER**  
 1/2" = 1'-0"



**3 1B-136 DEMOLITION LIGHTING**  
 1/2" = 1'-0"



**4 1B-136 NEW LIGHTING**  
 1/2" = 1'-0"

**GENERAL NOTES**

- EXISTING ELECTRICAL LAYOUT HAS BEEN COMPILED FROM RECORD DRAWINGS AND FIELD OBSERVATIONS. REPORT DISCREPANCIES WITH THE ENGINEER OF RECORD.
- REFER TO SHEET MEP-001 FOR SYMBOL LEGEND AND ABBREVIATIONS.
- REFER TO SHEET E-401 FOR LIGHT FIXTURE SCHEDULE.
- REWORK EXISTING BOXES, CONDUIT, AND CONDUCTORS FOR INSTALLATION OF NEW DEVICES AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. REINSTALL EXISTING FIRE ALARM DEVICES, IF ANY, ON NEW FINISHED WALLS AND CEILINGS.

**KEYED NOTES**

- REMOVE EXISTING LIGHT FIXTURE. DISCONNECT LIGHTING CIRCUIT CONDUCTORS AND PRESERVE FOR CONNECTION TO NEW LIGHT FIXTURE. RETURN DEMO'D FIXTURES TO OWNER OR DISPOSE OF AS DIRECTED BY OWNER. TYPICAL.
- REMOVE EXISTING NURSE CALL DEVICE AND COVER PLATE. DISCONNECT SIGNAL CABLES AND STORE FOR RECONNECTION TO NEW NURSE CALL DEVICE.
- REMOVE EXISTING RECEPTACLE AND COVER PLATE IN RESTROOM TO NEW RECEPTACLE. TYPICAL.
- REMOVE ALL EXISTING LIGHT SWITCHES AND COVERPLATES IN RESTROOM. INSTALL NEW LIGHT SWITCHES AND COVER PLATES.
- INSTALL NEW LIGHT FIXTURE. REUSE EXISTING LIGHTING CONDUCTORS FOR CONNECTION TO NEW LIGHT FIXTURE. CONFIRM EXISTING CIRCUIT DESIGNATION AND INCLUDE CIRCUIT NUMBER IN RECORD DRAWINGS. TYPICAL.
- RELOCATE NURSE CALL DEVICE TO LOCATION SHOWN IN 1B-136 NEW POWER. DISCONNECT SIGNAL CABLES AND PRESERVE FOR RECONNECTION TO RELOCATED NURSE CALL DEVICE.
- INSTALL NEW 20A NEMA SR GFCI RECEPTACLES AND COVER PLATES AT ALL EXISTING LOCATIONS. CONFIRM EXISTING CIRCUIT DESIGNATION AND INCLUDE CIRCUIT NUMBER IN RECORD DRAWINGS. REUSE EXISTING POWER CONDUCTORS FOR CONNECTION TO NEW RECEPTACLES. TYPICAL.
- INSTALL NEW LIGHT SWITCH AT EXISTING LOCATION. REUSE EXISTING CONDUCTORS FOR CONNECTION TO NEW LIGHT SWITCH.
- INSTALL NEW LIGHT FIXTURE ABOVE SINK. EXTEND POWER CONDUCTORS FROM EXISTING LIGHTING CIRCUIT IN RESTROOM TO POWER LIGHT FIXTURE. CENTER LIGHT FIXTURE BETWEEN TOP OF MIRROR AND CEILING. CONFIRM EXISTING CIRCUIT DESIGNATION AND INCLUDE CIRCUIT NUMBER IN RECORD DRAWINGS.
- INSTALL NEW NURSE CALL DEVICE AND COVER PLATE. CONFIRM WORKING OPERATION FOR NEW STATION. REUSE EXISTING SIGNAL CABLES FOR CONNECTION TO NEW NURSE CALL DEVICE.
- FIELD VERIFY AND CONNECT EMERGENCY LIGHTING CIRCUIT. IF THERE IS NO EXISTING EMERGENCY CIRCUIT, PROVIDE LIGHT FIXTURE WITH BATTERY BACKUP. TYPICAL. CONFIRM THAT AN UNSWITCHED CONDUCTOR IS PRESENT TO CONNECT TO THE BATTERY UNIT TO OPERATE AS A SWITCHED EMERGENCY LIGHTING UNIT. IF NOT PRESENT, INSTALL AN UNSWITCHED POWER CONDUCTOR TO THE BATTERY UNIT.

Issued For Construction	6/10/2016
Revisions	Date

Consultants:

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Approved:

PROGRAM MANAGER, PROJECTS \_\_\_\_\_  
 SAFETY/INDUSTRIAL HYGIENE \_\_\_\_\_  
 HEALTH SYSTEM SPECIALIST \_\_\_\_\_  
 MAINTENANCE SUPERVISOR \_\_\_\_\_  
 MAINTENANCE FOREMAN \_\_\_\_\_  
 MAINTENANCE FOREMAN \_\_\_\_\_

Drawing Title

**1B - 136 CONGREGATE BATH**

Approved: Service Engineer \_\_\_\_\_  
 Approved: Service Director \_\_\_\_\_

Project Title

**RENO. BLDG. 96 SHOWERS AND BATHS**

Building Number: **96**  
 Checked: **MP**  
 Drawn: **IP**

Location:  
**3600 MEMORIAL BLVD. KERRVILLE, TX 78028**

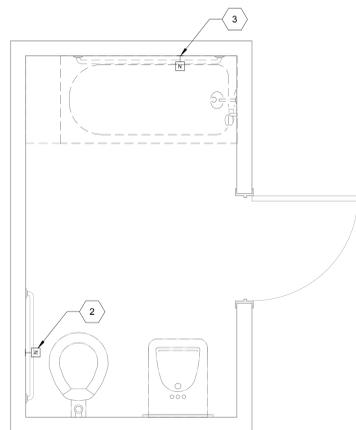
Date: **6/10/2016**

Project No.: **170-10830-000**

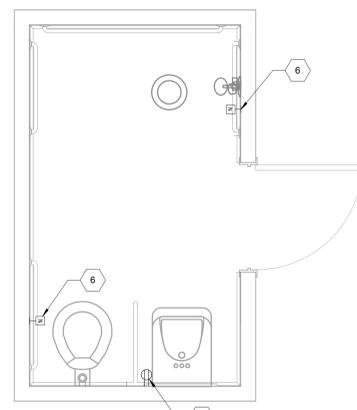
DRAWING NO.: **E102**

Dwg. Of \_\_\_\_\_

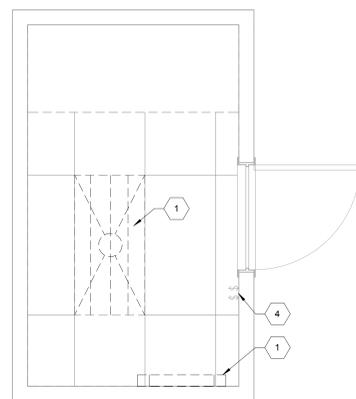
three inches = one foot  
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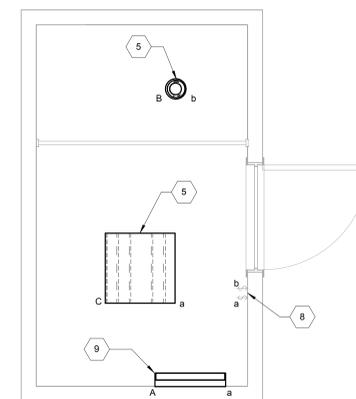
**1 1B-114A DEMOLITION POWER**  
 1/2" = 1'-0"



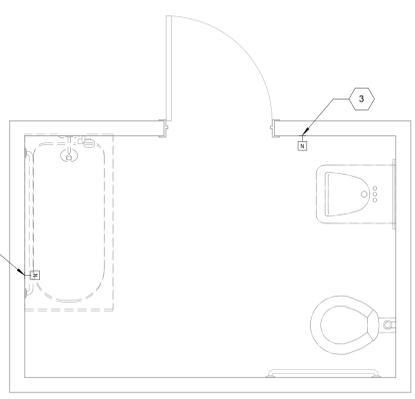
**2 1B-114A NEW POWER**  
 1/2" = 1'-0"



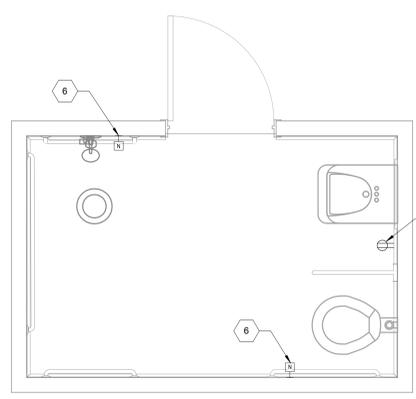
**7 1B-114A DEMOLITION LIGHTING**  
 1/2" = 1'-0"



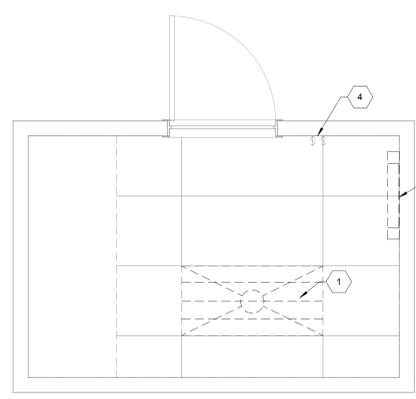
**8 1B-114A NEW LIGHTING**  
 1/2" = 1'-0"



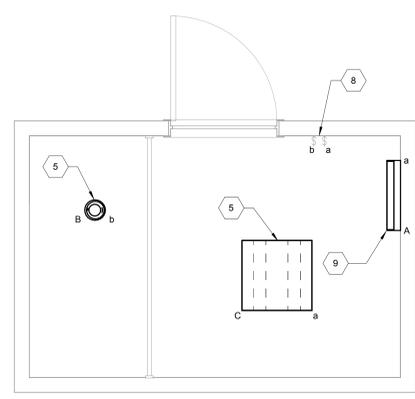
**3 1B-123A DEMOLITION POWER**  
 1/2" = 1'-0"



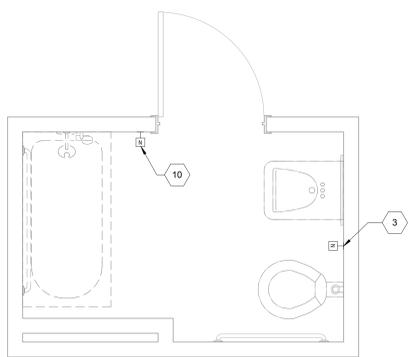
**4 1B-123A NEW POWER**  
 1/2" = 1'-0"



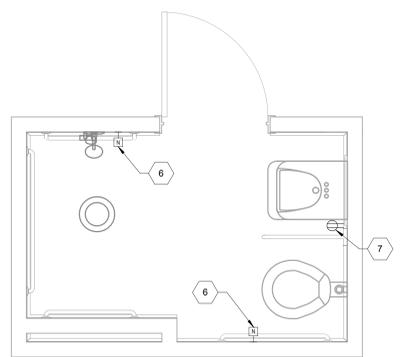
**9 1B-123A DEMOLITION LIGHTING**  
 1/2" = 1'-0"



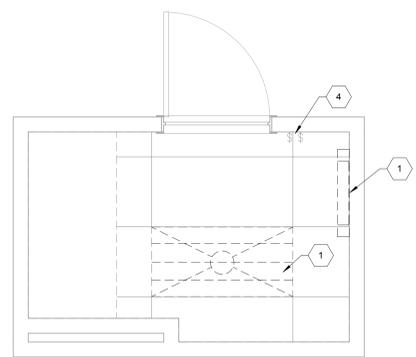
**10 1B-123A NEW LIGHTING**  
 1/2" = 1'-0"



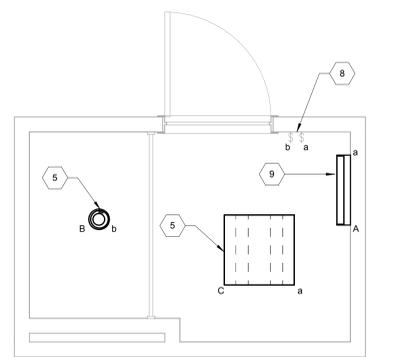
**5 1B-129A DEMOLITION POWER**  
 1/2" = 1'-0"



**6 1B-129A NEW POWER**  
 1/2" = 1'-0"



**11 1B-129A DEMOLITION LIGHTING**  
 1/2" = 1'-0"



**12 1B-129A NEW LIGHTING**  
 1/2" = 1'-0"

**GENERAL NOTES**

- EXISTING ELECTRICAL LAYOUT HAS BEEN COMPILED FROM RECORD DRAWINGS AND FIELD OBSERVATIONS. REPORT DISCREPANCIES WITH THE ENGINEER OF RECORD.
- REFER TO SHEET MEP-001 FOR SYMBOL LEGEND AND ABBREVIATIONS.
- REFER TO SHEET E-401 FOR LIGHT FIXTURE SCHEDULE.
- REMOVE ALL EXISTING RECEPTACLES AND COVER PLATES IN RESTROOM. INSTALL NEW 20A NEMA SR GFCI RECEPTACLES AND COVER PLATES. CONFIRM EXISTING CIRCUIT DESIGNATION. REUSE EXISTING POWER CONDUCTORS.
- REMOVE EXISTING BOXES, CONDUIT, AND CONDUCTORS FOR INSTALLATION OF NEW DEVICES AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. REINSTALL EXISTING FIRE ALARM DEVICES, IF ANY, ON NEW FINISHED WALLS AND CEILINGS.

**KEYED NOTES**

- REMOVE EXISTING LIGHT FIXTURE. DISCONNECT LIGHTING CIRCUIT CONDUCTORS AND PRESERVE FOR CONNECTION TO NEW LIGHT FIXTURE. RETURN DEMO'D FIXTURES TO OWNER OR DISPOSE OF AS DIRECTED BY OWNER. TYPICAL.
- REMOVE EXISTING NURSE CALL DEVICE AND COVER PLATE. DISCONNECT SIGNAL CABLES AND STORE FOR RECONNECTION TO NEW NURSE CALL DEVICE.
- RELOCATE NURSE CALL DEVICE TO LOCATION SHOWN IN PLAN 2. DISCONNECT SIGNAL CABLES AND PRESERVE FOR RECONNECTION TO RELOCATED NURSE CALL DEVICE.
- REMOVE ALL EXISTING LIGHT SWITCHES AND COVER PLATES IN RESTROOM. INSTALL NEW LIGHT SWITCHES AND COVER PLATES.
- INSTALL NEW LIGHT FIXTURE. REUSE EXISTING LIGHTING CONDUCTORS FOR CONNECTION TO NEW LIGHT FIXTURE. CONFIRM EXISTING CIRCUIT DESIGNATION AND INCLUDE CIRCUIT NUMBER IN RECORD DRAWINGS. TYPICAL.
- INSTALL NEW NURSE CALL DEVICE AND COVER PLATE. CONFIRM WORKING OPERATION FOR NEW STATION. REUSE EXISTING SIGNAL CABLES FOR CONNECTION TO NEW NURSE CALL DEVICE.
- INSTALL NEW 20A NEMA SR GFCI RECEPTACLES AND COVER PLATES AT ALL EXISTING LOCATIONS. CONFIRM EXISTING CIRCUIT DESIGNATION AND INCLUDE CIRCUIT NUMBER IN RECORD DRAWINGS. REUSE EXISTING POWER CONDUCTORS FOR CONNECTION TO NEW RECEPTACLES. TYPICAL.
- INSTALL NEW LIGHT SWITCH AT EXISTING LOCATION. REUSE EXISTING CONDUCTORS FOR CONNECTION TO NEW LIGHT SWITCH.
- INSTALL NEW LIGHT FIXTURE ABOVE SINK. EXTEND POWER CONDUCTORS FROM EXISTING LIGHTING CIRCUIT IN RESTROOM TO POWER LIGHT FIXTURE. CENTER LIGHT FIXTURE BETWEEN TOP OF MIRROR AND CEILING. CONFIRM EXISTING CIRCUIT DESIGNATION AND INCLUDE CIRCUIT NUMBER IN RECORD DRAWINGS.

Issued For Construction	6/10/2016
Revisions	Date

Consultants:

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Seal:

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A/E:

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4298 ELYSIAN FIELDS AVENUE  
 NEW ORLEANS, LOUISIANA 70122  
 www.royalengineering.net

Approved:

PROGRAM MANAGER, PROJECTS	_____
SAFETY/INDUSTRIAL HYGIENE	_____
HEALTH SYSTEM SPECIALIST	_____
MAINTENANCE SUPERVISOR	_____
MAINTENANCE FOREMAN	_____
MAINTENANCE FOREMAN	_____

Drawing Title

**INDIVIDUAL BATHROOMS**

Approved: Service Engineer \_\_\_\_\_

Approved: Service Director \_\_\_\_\_

Project Title

**RENO. BLDG. 96 SHOWERS AND BATHS**

Building Number	Checked	Drawn
96	MP	IP
Location	3600 MEMORIAL BLVD. KERRVILLE, TX 78028	

Date

6/10/2016

Project No.

170-10830-000

DRAWING NO.

**E103**

Dwg. of \_\_\_\_\_

