

# APOPKA SERVICE CENTER

## ADA COMPLIANT RESTROOM RENOVATIONS

### ORANGE COUNTY

MARCH 20, 2014

## PERMIT/BID CONSTRUCTION DOCUMENTS



ARCHITECTURAL GROUP, INC.

5032 GODDARD AVENUE, SUITE A  
ORLANDO, FLORIDA 32804  
(407) 245-3660

FL LIC. # AA0002264

PROJECT TITLE AND OWNERS NAME

**APOPKA SERVICE  
CENTER - ADA  
COMPLIANT RESTROOM  
RENOVATIONS**

1111 ROCK SPRINGS ROAD  
APOPKA, FLORIDA 32712

**PERMIT/BID SUBMITTAL**  
CONSULTANTS

SEAL AND SIGNATURE

PETER M. IKEGAMI  
FL. LIC. # AR 0013065

REVISIONS

DRAWN BY

RJV

CHECKED BY

PMI

JOB NUMBER

1325

DATE

MARCH 20, 2014

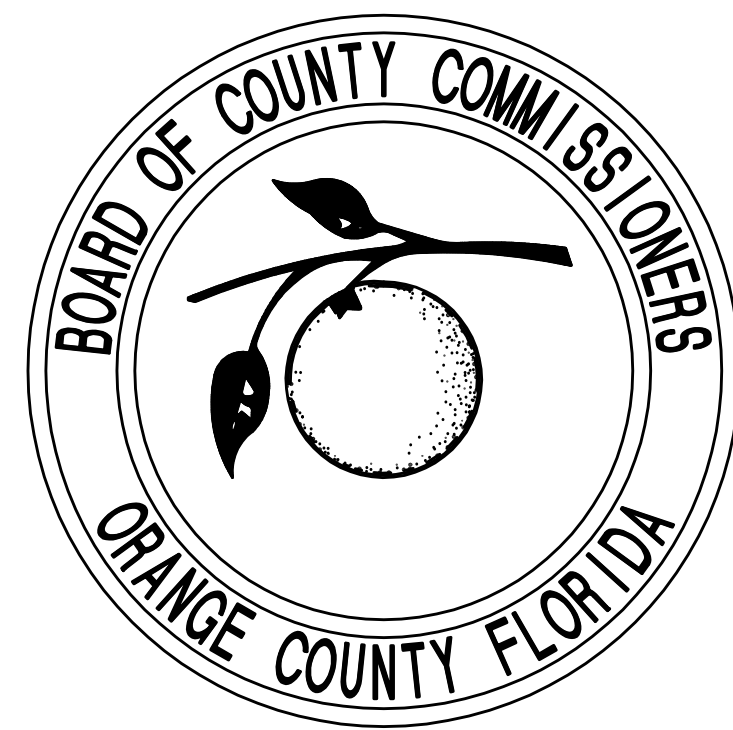
DRAWING TITLE

**COVER SHEET**

DRAWING NUMBER

**C.0**

MAYOR  
TERESA JACOBS



COMMISSIONER  
S. SCOTT BOYD  
DISTRICT 1

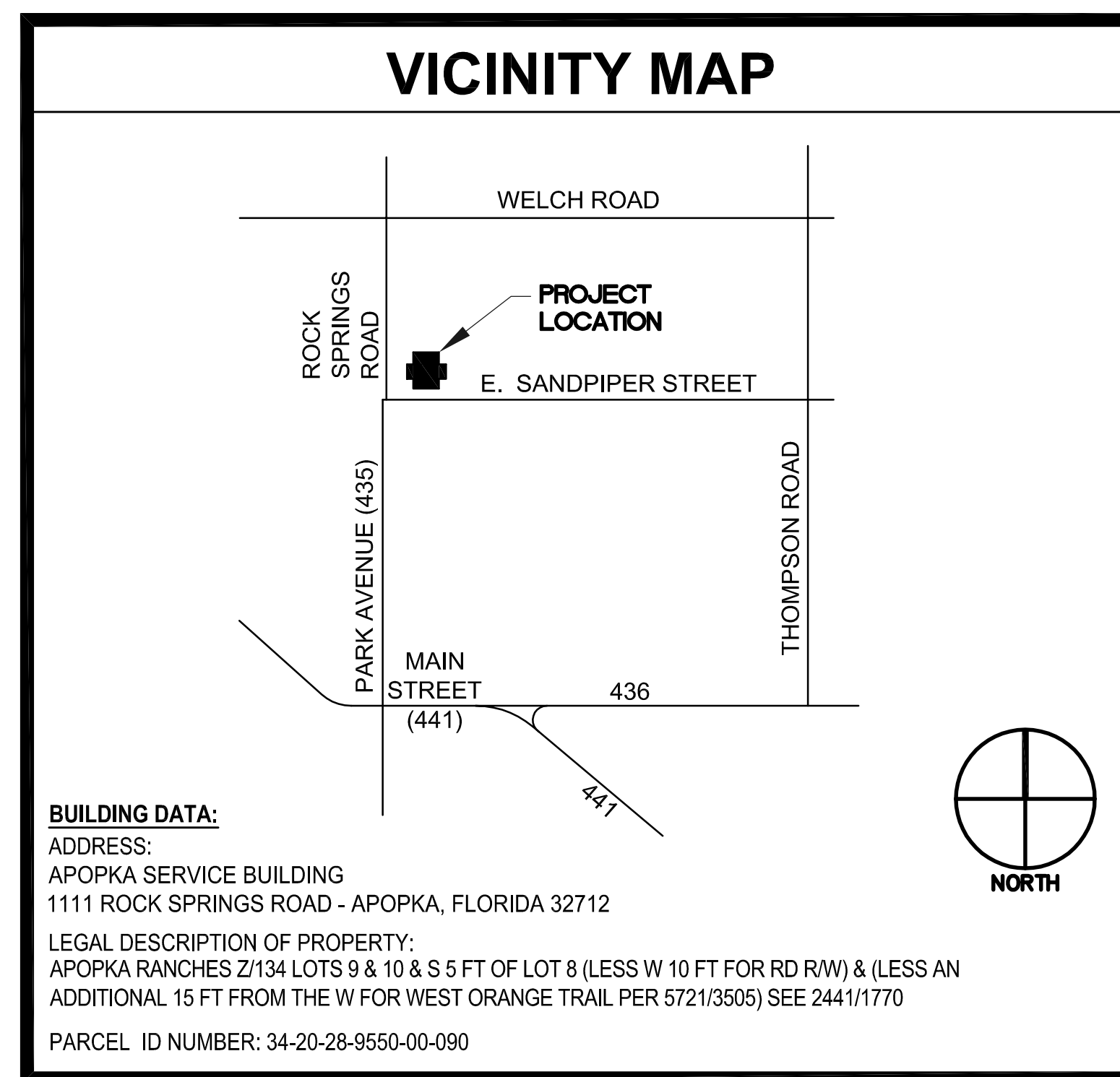
COMMISSIONER  
FRED BRUMMER  
DISTRICT 2

COMMISSIONER  
PETE CLARKE  
DISTRICT 3

COMMISSIONER  
JENNIFER THOMPSON  
DISTRICT 4

COMMISSIONER  
TED B. EDWARDS  
DISTRICT 5

COMMISSIONER  
TIFFANY MOORE-RUSSELL  
DISTRICT 6



CODE DATA	
<p><b>CODE REFERENCE:</b> FLORIDA BUILDING CODE 2010 FLORIDA EXISTING BUILDING CODE 2010 FLORIDA MECHANICAL CODE 2010 FLORIDA PLUMBING CODE 2010 FLORIDA FUEL GAS CODE 2010 FLORIDA ENERGY CODE 2010 NATIONAL ELECTRICAL CODE 2008 FLORIDA FIRE PREVENTION CODE 2010 NFPA 1 AND NFPA 101 2009 FLORIDA EDITION NFPA 110 2005 EDITION</p> <p><b>SCOPE OF WORK:</b> INTERIOR RENOVATIONS TO AN EXISTING 29,400 SQUARE FOOT BUILDING.</p> <p><b>GENERAL DESCRIPTION:</b> THE SCOPE OF WORK INCLUDES THE COMPLETE RENOVATIONS TO THE EXISTING PUBLIC RESTROOM FACILITIES, TO COMPLY WITH ADA ACCESSIBILITY CODE.</p> <p>THE REMOVAL OF ALL EXISTING PLUMBING FIXTURES, TOILET PARTITIONS, AND ALL INTERIOR FINISHES; FLOOR, WALLS AND CEILINGS WITHIN THESE RENOVATED AREAS.</p> <p>MECHANICAL, ELECTRICAL AND FIRE PROTECTION TO BE REVISED WITHIN THESE RENOVATED AREAS.</p>	<p><b>LEVEL OF ALTERATION:</b> FLORIDA EXISTING BUILDING CODE 2010 SECTION 404 LEVEL 2</p> <p><b>TYPE OF CONSTRUCTION:</b> FBC 2010: TYPE IIB (EXISTING AND UNCHANGED)</p> <p>EXISTING BUILDING DATA: HEIGHT: 24'-2" (EXISTING AND UNCHANGED) BUILDING AREA: 29,400SF (EXISTING AND UNCHANGED) NUMBER OF STORIES: 1 STORY (UNCHANGED) EXISTING AUTOMATIC FIRE SPRINKLER SYSTEM AREA OF INTERIOR ALTERATION: 3505SF</p> <p><b>OCCUPANCY CLASSIFICATION:</b> FBC 2010: BUSINESS (EXISTING AND UNCHANGED)</p> <p><b>OCCUPANCY LOAD:</b> FBC 2010: 1 OCCUPANT / 1000SF = 294 OCCUPANTS (EXISTING AND UNCHANGED)</p> <p><b>PLUMBING CALCULATIONS:</b> BUSINESS OCCUPANCY = 294 OCCUPANTS MEN AND WOMEN WC = 1/25 FOR FIRST 50 AND 1/50 THERE AFTER = (1/25 X 50) + (1/50 X 244) = 7 WC REQUIRED WATER CLOSETS PROVIDED 16 URINALS PROVIDED 1</p> <p>MEN AND WOMEN LAV = 1/40 FOR THE FIRST 80 AND 1/80 THERE AFTER = (1/40 X 80) + (1/80 X 214) = 5 LAV REQUIRED LAVATORIES PROVIDED 17</p> <p>DRINKING FOUNTAINS (EXISTING AND UNCHANGED)</p>

LIST OF DRAWINGS				
DWG. NO.	DRAWING TITLE	ORIG. ISSUE	REV. NO.	LATEST ISSUE
<b>ARCHITECTURE</b>				
C.0	COVER SHEET	03-25-14		
G1.1	GENERAL INFORMATION, LEGENDS, NOTES, AND ABBREVIATIONS	03-25-14		
A1.0	LOCATION PLAN	03-25-14		
A2.0	COMPOSITE FIRST FLOOR PLAN	03-25-14		
A2.1	PARTIAL FIRST FLOOR PLAN - DEMO AND NEW CONSTRUCTION	03-25-14		
AB.1	SCHEDULES, INTERIOR FINISH LEGEND AND DETAILS	03-25-14		
AB.2	RESTROOM ELEVATIONS AND ACCESSORIES SCHEDULE	03-25-14		
<b>PLUMBING</b>				
P.001	PLUMBING SCHEDULES AND DETAILS	03-25-14		
P.002	PLUMBING SITE PLAN	03-25-14		
P.101	PLUMBING OVERALL FLOOR PLAN	03-25-14		
P.102	PLUMBING RENO AND DEMO ENLARGED PLANS	03-25-14		
<b>MECHANICAL</b>				
M.001	MECHANICAL SCHEDULES AND DETAILS	03-25-14		
M.101	MECHANICAL FLOOR PLAN	03-25-14		
M.102	MECHANICAL ENLARGED PLANS	03-25-14		
<b>ELECTRICAL</b>				
E.001	ELECTRICAL SYMBOLS LEGEND AND DETAILS	03-25-14		
E.101	ELECTRICAL SITE PLAN	03-25-14		
E.301	ELECTRICAL FLOOR PLAN	03-25-14		
E.401	ENLARGED ELECTRICAL PLAN	03-25-14		
E.601	ELECTRICAL ONE-LINE DIAGRAM AND SCHEDULES	03-25-14		
E.801	ELECTRICAL DETAILS	03-25-14		
<b>SPECIFICATIONS</b>				
A SEPARATE PROJECT MANUAL (SPECIFICATIONS) IS				
<input checked="" type="checkbox"/> INCLUDED AS A PART OF THIS PROJECT				
<input type="checkbox"/> NOT INCLUDED AS A PART OF THIS PROJECT				







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DRAWING TITLE

**COMPOSITE FIRST  
FLOOR PLAN**

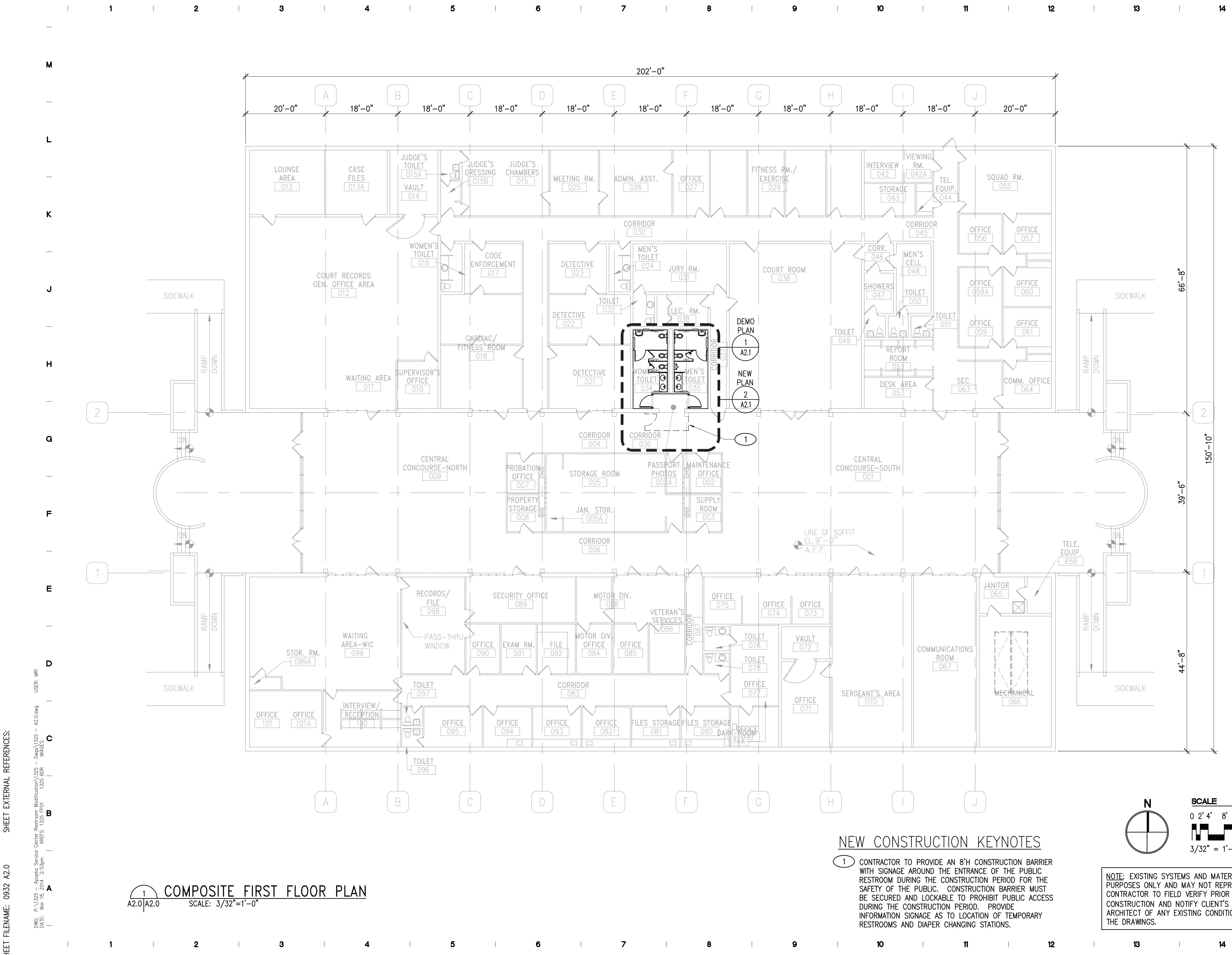
DRAWING NUMBER

**A2.0**

SHEET

OF

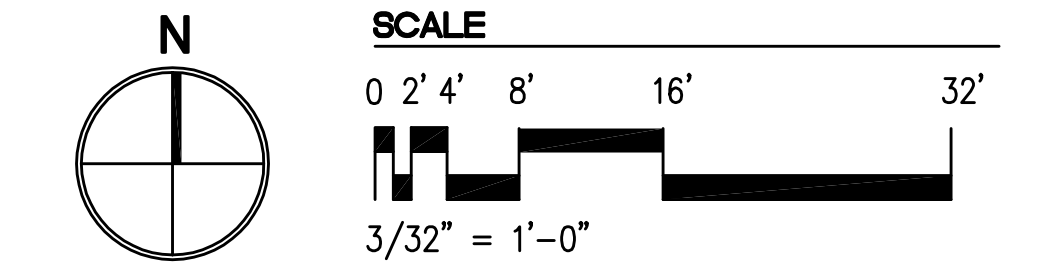
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**COMPOSITE FIRST FLOOR PLAN**  
SCALE: 3/32"=1'-0"

**NEW CONSTRUCTION KEYNOTES**

- 1 CONTRACTOR TO PROVIDE AN 8'H CONSTRUCTION BARRIER WITH SIGNAGE AROUND THE ENTRANCE OF THE PUBLIC RESTROOM DURING THE CONSTRUCTION PERIOD FOR THE SAFETY OF THE PUBLIC. CONSTRUCTION BARRIER MUST BE SECURED AND LOCKABLE TO PROHIBIT PUBLIC ACCESS DURING THE CONSTRUCTION PERIOD. PROVIDE INFORMATION SIGNAGE AS TO LOCATION OF TEMPORARY RESTROOMS AND DIAPER CHANGING STATIONS.



NOTE: EXISTING SYSTEMS AND MATERIALS ARE FOR INFORMATION PURPOSES ONLY AND MAY NOT REPRESENT ACTUAL CONDITIONS. CONTRACTOR TO FIELD VERIFY PRIOR TO DEMOLITION OR CONSTRUCTION AND NOTIFY CLIENT'S REPRESENTATIVE AND THE ARCHITECT OF ANY EXISTING CONDITIONS WHICH DIFFER FROM THE DRAWINGS.

SHEET FILENAME: 0832\_A2.0

USER: MRI  
DATE: 03/19/2014 2:53pm  
DRAWING: 1325  
PROJECT: Aopka Service Center Restroom Modification 1325 - MRICAD.dwg



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DATE

MARCH 20, 2014

DRAWING TITLE

**PARTIAL FIRST FLOOR  
PLAN - DEMO AND  
NEW CONSTRUCTION**

DRAWING NUMBER

**A2.1**

SHEET OF

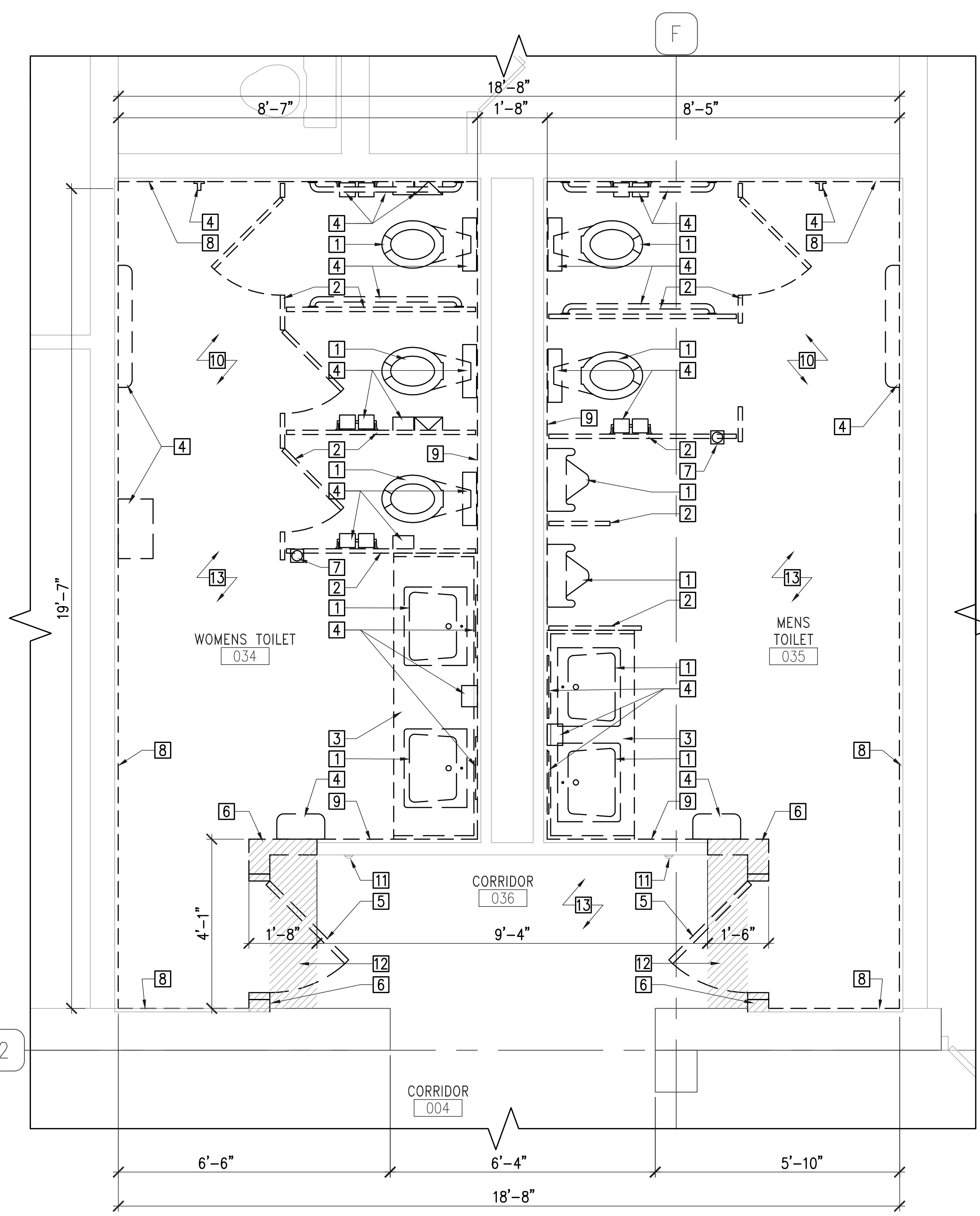
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**NEW CONSTRUCTION NOTES**

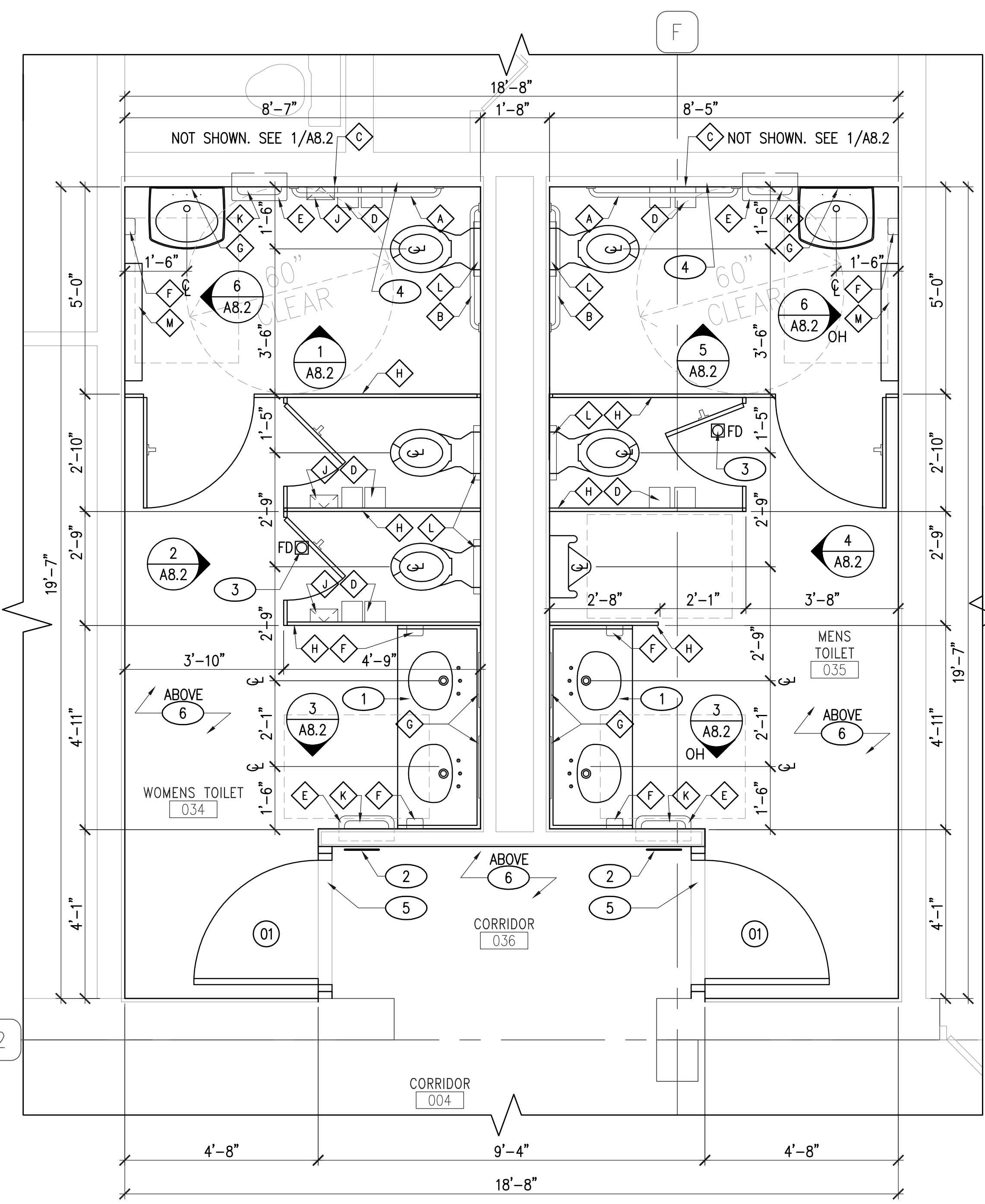
1. ALL DIMENSIONS SHOWN TO NEW PARTITIONS ARE TO FACE OF NEW INTERIOR FINISH MATERIAL ON NEW PARTITION. DIMENSIONS SHOWN TO EXISTING PARTITIONS ARE TO FACE OF EXISTING FINISH.
2. REFER TO INTERIOR FINISH SCHEDULE (SHEET A8.1) FOR ADDITIONAL INFORMATION.
3. ALL PLUMBING FIXTURES SHOWN ARE TO BE NEW. SEE PLUMBING SHEETS FOR ADDITIONAL INFORMATION.
4. WRAP EXPOSED LAVATORY HOT WATER SUPPLY AND DRAIN WITH INSULATION.

**NEW CONSTRUCTION LEGEND**

- Ⓞ DOOR TAG - SEE DOOR SCHEDULE (SHEET A8.1) FOR DOOR TYPES AND DETAILS
- Ⓢ FLOOR DRAIN - SEE PLUMBING DRAWINGS
- DASHED LINES INDICATE ITEMS TO BE REMOVED
- /// EXISTING WALLS/PARTITIONS TO BE REMOVED, MATERIALS VARY.



**1 FLOOR PLAN - DEMOLITION**  
A2.0|A2.1 SCALE: 1/2" = 1'-0"



**2 FLOOR PLAN - NEW CONSTRUCTION**  
A2.0|A2.1 SCALE: 1/2" = 1'-0"

**DEMOLITION KEYNOTES**

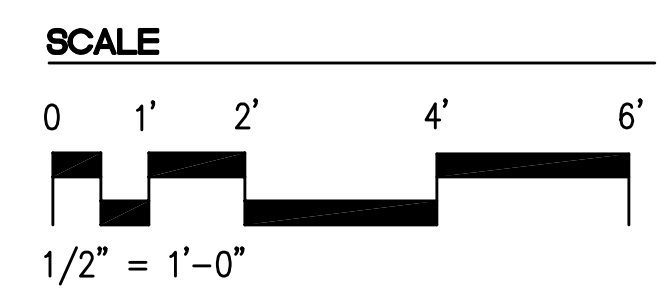
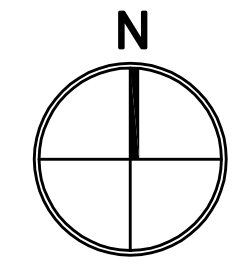
- 1 REMOVE ALL EXISTING PLUMBING FIXTURES IN THEIR ENTIRETY. SEE PLUMBING DEMO SHEET FOR ADDITIONAL INFORMATION.
- 2 REMOVE ALL EXISTING TOILET PARTITIONS/URINAL SCREENS AND RELATED HARDWARE.
- 3 REMOVE EXISTING COUNTERTOP AND CASEWORK.
- 4 REMOVE EXISTING MIRRORS AND ALL WALL MOUNTED TOILET ROOM ACCESSORIES.
- 5 REMOVE EXISTING DOOR, FRAME, SILL AND RELATED HARDWARE.
- 6 REMOVE PORTION OF EXISTING WALL PARTITION WHERE INDICATED. MATERIALS MAY VARY (FIELD VERIFY).
- 7 REMOVE EXISTING COVER PLATE AT FLOOR DRAINS.
- 8 REMOVE EXISTING WALL TILE FROM EXISTING CMU WALL. PREPARE EXISTING CMU WALL SURFACES TO RECEIVE NEW TILE FINISH.
- 9 REMOVE EXISTING WALL TILE AND EXISTING SUBSTRATE. REPLACE DAMAGED METAL STUDS AND PROVIDE NEW CEMENTITIOUS BACKER BOARD OVER METAL STUDS. COORDINATE METAL STUD FRAMING AROUND NEW FIXTURE CARRIERS.
- 10 REMOVE EXISTING FLOORING TO STRUCTURAL CONCRETE FLOOR SLAB. CLEAN AND PATCH AS REQUIRED TO PROVIDE CONTINUOUS SURFACE TO RECEIVE NEW SEAMLESS FLOORING.
- 11 REMOVE EXISTING DOOR WALL STOPPER. PATCH AND REPAIR WALL. FINISH TO MATCH ADJACENT WALL.
- 12 REMOVE PORTION OF EXISTING CORRIDOR FLOORING TO STRUCTURAL CONCRETE FLOOR SLAB. CLEAN AND PATCH AS REQUIRED TO PROVIDE CONTINUOUS SURFACE TO RECEIVE NEW SEAMLESS FLOORING. PROTECT EXISTING FLOORING TO REMAIN DURING CONSTRUCTION.
- 13 REMOVE EXISTING GYPSUM BOARD CEILING. METAL STUD FRAMING TO REMAIN. REPLACE ANY DAMAGED FRAMING AND PREPARE FOR NEW GYPSUM BOARD CEILING.

**NEW CONSTRUCTION KEYNOTES**

- 1 NEW SOLID SURFACE MATERIAL COUNTERTOP WITH INTEGRAL LAVATORIES AND BACKSPLASH WITH PLASTIC LAMINATE CASEWORK.
- 2 PROVIDE ACCESSIBLE RESTROOM SIGN PER ADA/ADAAG GUIDELINES FOR CONTENT, SYMBOL DESIGN, BRAILLE TRANSLATION, COLOR CONTRAST LEVELS, SIZE AND MOUNTING HEIGHT. SEE SHEET A8.2 FOR DETAIL.
- 3 NEW FLOOR DRAIN COVER. SEE PLUMBING SHEETS FOR ADDITIONAL INFORMATION.
- 4 PROVIDE NEW 2-1/2" METAL STUDS AT 16" O.C. WITH CEMENTITIOUS BACKER BOARD TO RECEIVE NEW TILE WALL FINISHES.
- 5 PROVIDE MARBLE THRESHOLD AT NEW DOOR.
- 6 PROVIDE NEW GYPSUM BOARD CEILING IN EACH RESTROOM AND CORRIDOR.

**TOILET ACCESSORIES LEGEND**

- SEE TOILET ACCESSORIES SCHEDULE (SHEET A8.2) FOR ADDITIONAL INFORMATION
- A 42" GRAB BAR
  - B 36" GRAB BAR
  - C 18" GRAB BAR (SEE ELEVATIONS ON SHEET A8.2 FOR LOCATIONS)
  - D TOILET TISSUE DISPENSER
  - E WASTE RECEPTACLE
  - F AUTOMATIC SOAP DISPENSER
  - G MIRROR
  - H TOILET PARTITION
  - J SANITARY NAPKIN DISPOSAL
  - K AUTOMATIC HAND DRYER
  - L SEAT COVER DISPENSER
  - M BABY CHANGING STATION



SHEET FILENAME: 0832 A2.1 SHEET EXTERNAL REFERENCES:

DWG: P:\1325 - Apopka Service Center Renovation\1325 - A2.1.dwg USER: MRI  
DATE: Mar 19, 2014 2:53pm PLOT: MRI - 1325.dwg PLOTDATE: 03/19/2014 2:53pm



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DRAWING TITLE

SCHEDULES, INTERIOR  
 FINISH LEGEND AND  
 DETAILS

DRAWING NUMBER

A8.1

## DOOR SCHEDULE

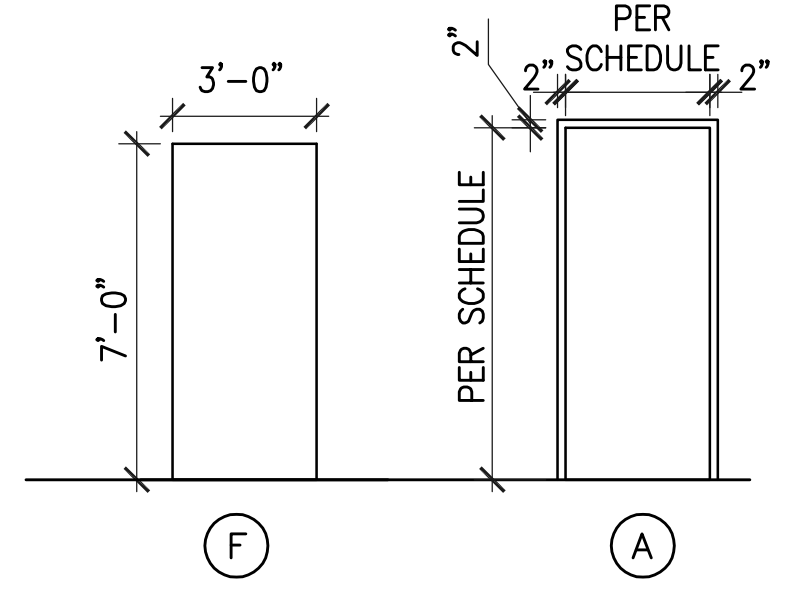
DOOR		FRAME		LABEL	HARDWARE	DETAILS	REMARKS
NO.	SIZE	MAT'L	TYPE				
01	3068	WD	F	HM	A	--	1 & 2/A8.1 FINISHES TO MATCH ADJACENT DOORS AND FRAMES

### DOOR SCHEDULE KEY

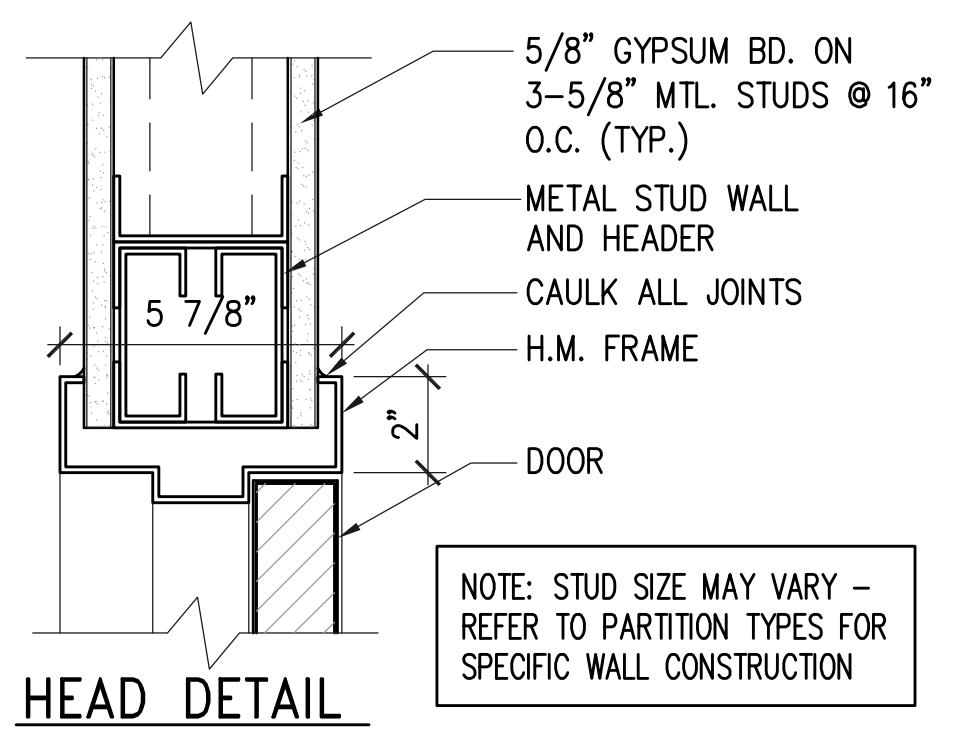
HM: HOLLOW METAL  
 WD: WOOD

### GENERAL NOTES

- DIMENSIONS AS SHOWN ARE NOMINAL. ACTUAL DIMENSIONS WILL VARY.
- FIELD VERIFY ALL OPENINGS.
- ALL EGRESS DOORS MUST MEET ADA REQUIREMENTS REGARDING WIDTH, HARDWARE AND THRESHOLD.
- DOORS, FRAMES AND HARDWARE TO BE FINISHED TO MATCH EXISTING DOORS. COORDINATE DOOR HARDWARE AND SECURITY REQUIREMENTS WITH OWNER.

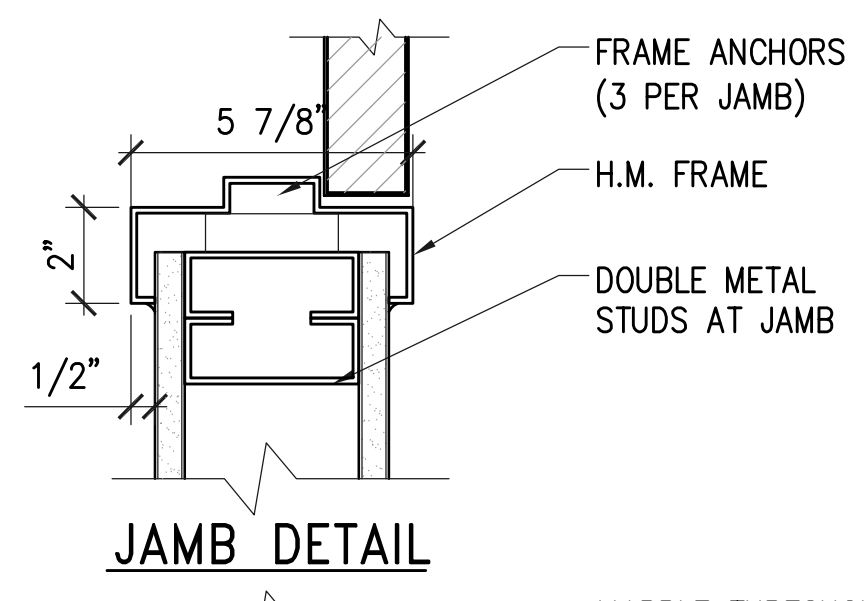


1 DOOR TYPES  
 A8.1/A8.1 SCALE: 1/4" = 1'-0"

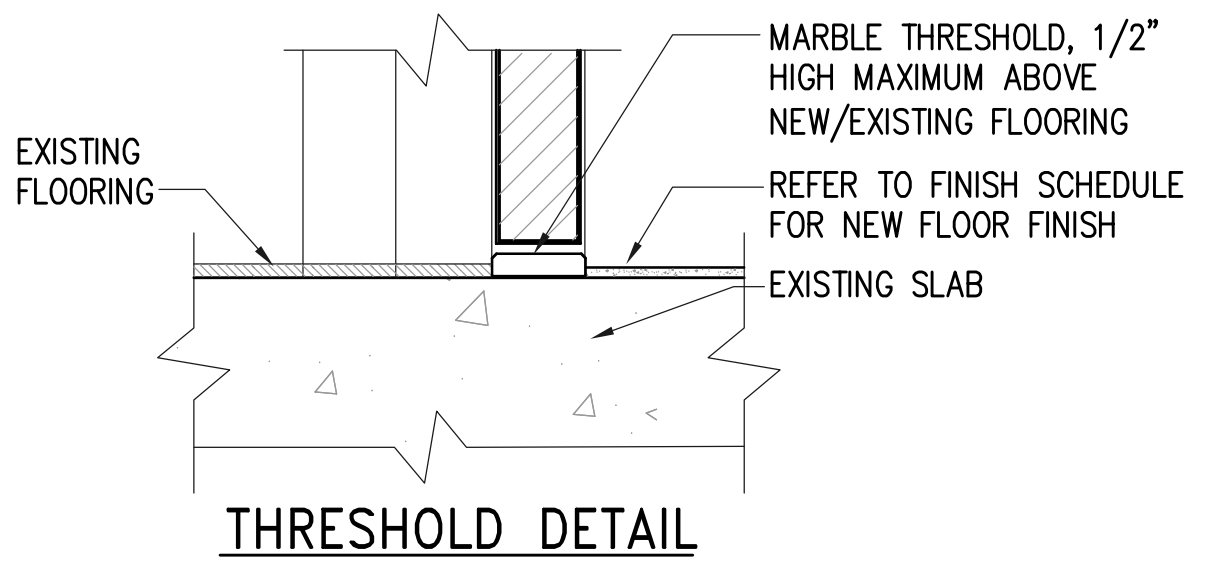


HEAD DETAIL

NOTE: STUD SIZE MAY VARY - REFER TO PARTITION TYPES FOR SPECIFIC WALL CONSTRUCTION



JAMB DETAIL



THRESHOLD DETAIL

2 INTERIOR H.M. DOOR FRAME  
 A8.1/A8.1 SCALE: 3" = 1'-0"

## INTERIOR FINISH SCHEDULE

ROOM #	ROOM NAME	FLOOR	BASE	WALLS	CEILING	MILLWORK	REMARKS
034	WOMENS TOILET	FS-1	FS-1	PWT-1	PT-1	PL-1/SSM-1	--
035	MENS TOILET	FS-1	FS-1	PWT-1	PT-1	PL-1/SSM-1	--
036	CORRIDOR	EXISTING TO REMAIN	EXISTING TO REMAIN	PT-2	PT-1	--	--

### GENERAL FINISH NOTE:

THE MANUFACTURER'S NAMES AND THEIR PRODUCTS REFERENCED INDICATE THE COLOR, TEXTURE, AND PATTERN REQUIRED FOR THE MATERIALS LISTED. THE PRODUCTS FURNISHED SHALL MEET THE COLOR, TEXTURE, AND PATTERN INDICATED AS WELL AS THE MATERIAL QUALITY AND PERFORMANCE SPECIFIED IN THE APPLICABLE TECHNICAL SECTION. THE USE OF MANUFACTURER'S NAMES AND PRODUCTS DO NOT PRECLUDE THE USE OF OTHER MANUFACTURER'S PRODUCTS OF APPROVED EQUAL COLOR, TEXTURE, AND PATTERN AS LONG AS ALL REQUIREMENTS IN THE TECHNICAL SECTIONS ARE MET.

### INTERIOR FINISH NOTES:

- MATERIALS AND COLORS ARE SHOWN FOR 'BASIS OF DESIGN' REFERENCE ONLY.
- CONTRACTOR TO VERIFY SIZE AND THICKNESS OF MATERIALS FROM MANUFACTURER.
- CONTRACTOR TO SITE-VERIFY CONDITIONS PRIOR TO ORDERING AND INSTALLATION.
- ALL SOLID SURFACE MATERIAL AND SEAMLESS FLOORING TO BE INSTALLED BY MANUFACTURER-CERTIFIED INSTALLERS.

## INTERIOR FINISH LEGEND

FLOORING	
FS-1	FLOORING SYSTEM
MFR: STONHARD	
STYLE: STONTEC	
COLOR: 1/16" DIABLO BEIGE	
SIZE: SEAMLESS	
FLAME SPREAD: N/A	
CONTACT: STONHARD - BRIAN MASTAY 941-387-6297 www.florimusa.com	
LOCATION: TOILET ROOMS (#034 & 035)	
REMARKS: PROVIDE 6" INTEGRAL BASE WITH METAL COVE STRIP	

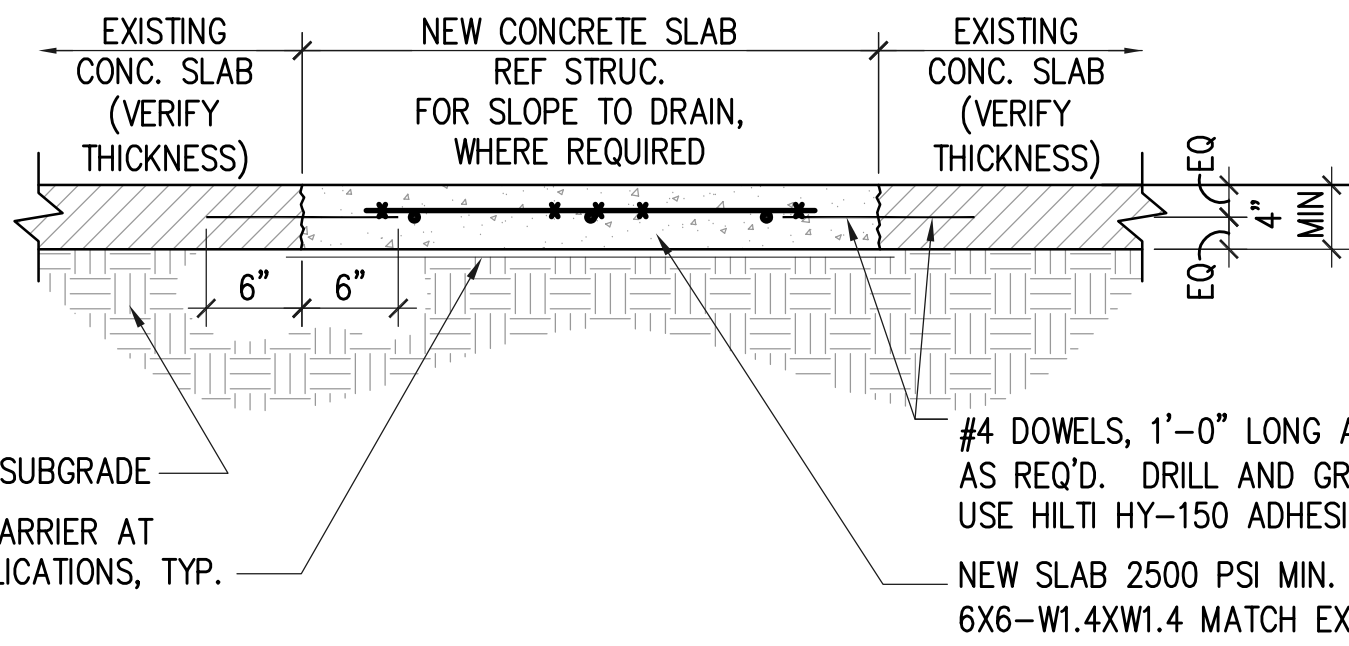
WALL TILE	
PWT-1	PORCELAIN WALL TILE
MFR: FLORIM USA	
STYLE: STONEFIRE	
COLOR: ALMOND, WITH V3 SLIGHT SHADE VARIATION	
SIZE: 12" X 12" AND 3" X 12" BULLNOSE EDGE	
FLAME SPREAD: N/A	
CONTACT: MASTER TILE - ANDREW SHODIS (321) 229-3252 www.florimusa.com	
LOCATION: TOILET ROOMS (034 & 035)	
REMARKS: 1/4" GROUT JOINT: CUSTOM BUILDING PRODUCTS #122 LINEN POLYBLEND SANDED WITH NON-STAINING ADMIXTURE AND/OR CLEAR PENETRATING SEALER, AS RECOMMENDED BY MANUFACTURER.	

TOILET/URINAL PARTITIONS	
STC-1	SOLID PLASTIC TOILET COMPARTMENTS
MFR: SCRANTON-COMTEC HINY HIDERS	
STYLE: HIGH DENSITY POLYETHYLENE SOLID PLASTIC TOILET COMPARTMENTS	
COLOR: SANDSTONE	
SIZE: 1" THICK PARTITIONS	
FLAME SPREAD: --	
CONTACT: -- WWW.SCRANTONPRODUCTS.COM	
LOCATION: TOILET PARTITIONS AND URINAL SCREENS	
REMARKS: COORDINATE WITH TOILET ACCESSORIES - MOUNTING HEIGHTS	

PAINT	
PT-1	CEILING PAINT
MFR: SHERWIN WILLIAMS	
STYLE: FLAT FINISH	
COLOR: SW 7005 PURE WHITE	
SIZE: N/A	
FLAME SPREAD: CLASS A	
CONTACT: LOW VOC www.sherwin-williams.com	
LOCATION: PLASTER CEILINGS	
REMARKS: --	
PT-2	WALL PAINT
MFR: SHERWIN WILLIAMS	
STYLE: EGGSHELL FINISH	
COLOR: SW 6185 ESCAPE GRAY	
SIZE: N/A	
FLAME SPREAD: CLASS A	
CONTACT: LOW VOC www.sherwin-williams.com	
LOCATION: CORRIDOR WALLS	
REMARKS: --	

PLASTIC LAMINATE	
PL-1	PLASTIC LAMINATE
MFR: FORMICA	
STYLE: HIGH-PRESSURE, MATTE FINISH	
COLOR: 7022-58 NATURAL CANVAS	
SIZE: N/A	
FLAME SPREAD: CLASS B	
CONTACT: -- www.formica.com	
LOCATION: ACCESS PANEL BELOW VANITIES IN TOILET ROOMS	
REMARKS: REFER TO GENERAL NOTE #5, SHEET A8.2	

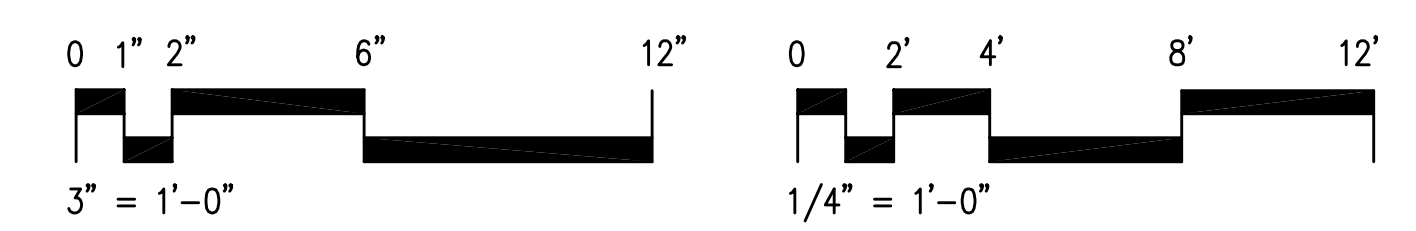
SOLID SURFACE	
SSM-1	SOLID SURFACE MATERIAL
MFR: CORIAN	
STYLE: MATTE FINISH	
COLOR: CANYON	
SIZE: N/A	
FLAME SPREAD: CLASS 1 (A); 100% ACRYLIC POLYMER	
CONTACT: -- www.dupont.com/Surfaces_Commercial/en_US/index.html	
LOCATION: COUNTERTOPS WITH INTEGRAL LAVATORIES OF VANITIES IN TOILET ROOMS	
REMARKS: COUNTERTOP WITH INTEGRAL LAVATORIES, VANITY, AND BACKSPLASH; EASED FRONT EDGES OF COUNTER AND FOR SPLASH - TOP CORNER AND COVED BASE AT VANITIES (1/4" RADIUS)	

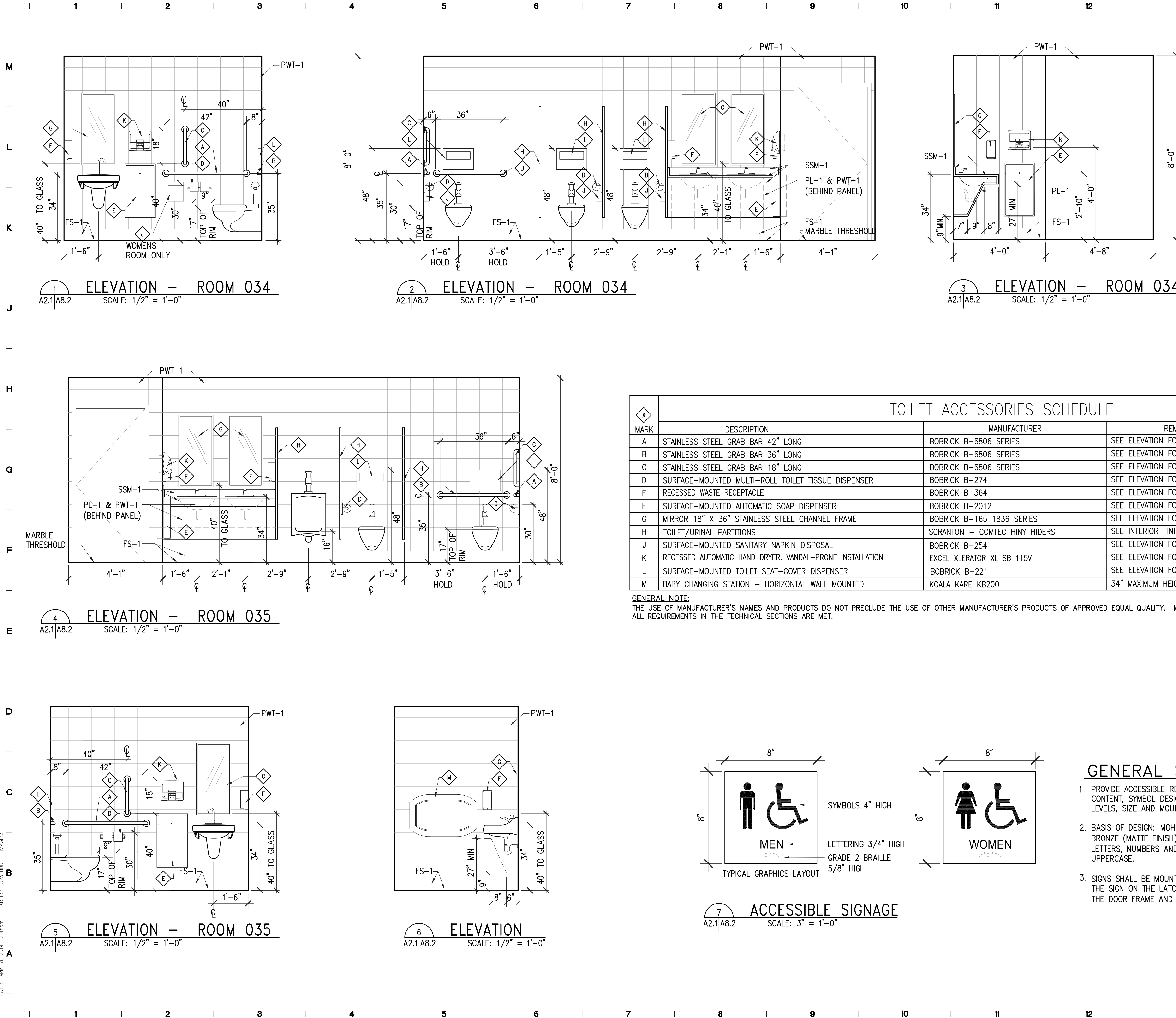


- NOTES:
- SEE PLUMBING PLANS FOR ADDITIONAL DEMO INFORMATION.
  - INSTALL DOWELS AS SHOWN WHEN SLAB OPENING IN ANY DIRECTION EXCEEDS 18" IN SIZE.

3 SLAB PATCHING DETAIL  
 A2.1/A8.1 SCALE: N.T.S.

### SCALES



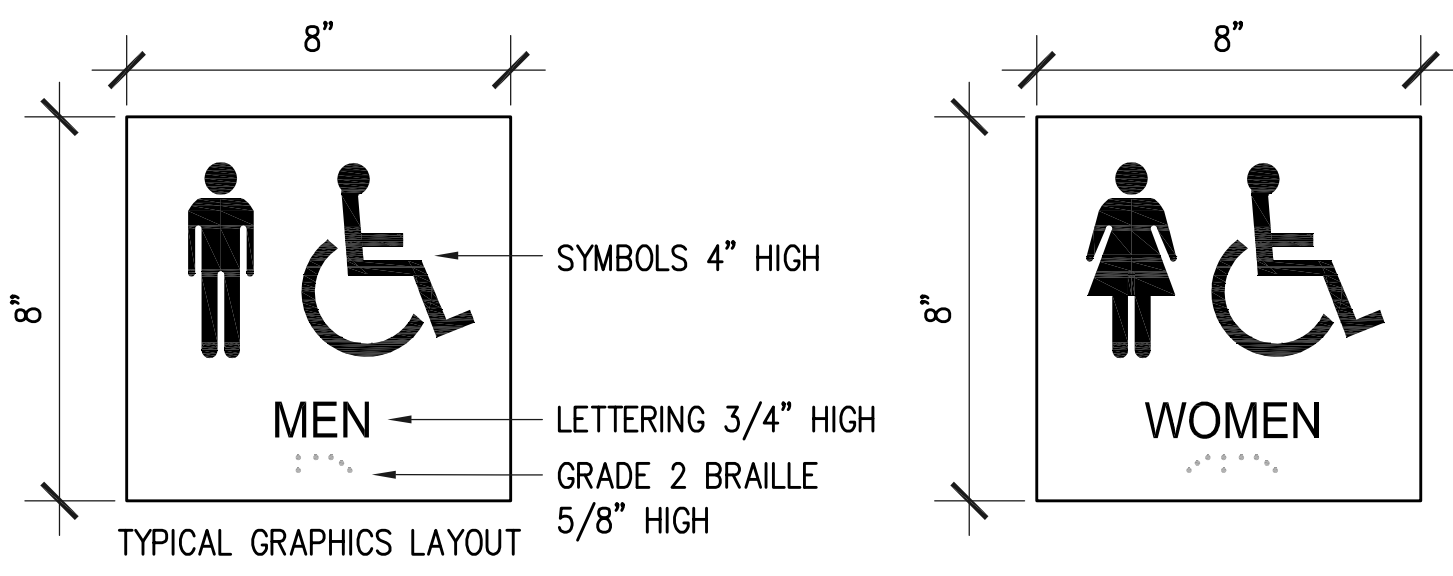


NEW CONSTRUCTION NOTES

- VERIFY ALL DIMENSIONS IN FIELD PRIOR TO START OF FABRICATION. ALL DIMENSIONS SHOWN TO NEW PARTITIONS ARE TO FACE OF NEW INTERIOR FINISH MATERIAL. DIMENSIONS SHOWN TO EXISTING PARTITIONS ARE TO FACE OF EXISTING FINISH.
- DO NOT SCALE DRAWINGS. COORDINATE WITH ARCHITECT FOR ADDITIONAL INFORMATION AS NEEDED.
- REFER TO MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- PROVIDE SUPPORT BLOCKING WHERE REQUIRED FOR ALL WALL-MOUNTED TOILET ACCESSORIES, MILLWORK, AND ADA GRAB BAR LOCATIONS.
- ALL VISIBLE MILLWORK FACES SHALL HAVE PLASTIC LAMINATE FINISH. BACKSIDE FACE OF PANEL BENEATH LAVATORY COUNTERTOPS TO RECEIVE MELAMINE FINISH.
- ALL ADA-COMPLIANT WORK SURFACES SHALL NOT EXCEED 34" MAX. A.F.F. NON-COMPLIANT COUNTER HEIGHTS WILL NOT BE ACCEPTED.
- REFER TO INTERIOR FINISH SCHEDULE (SHEET AB.1) FOR ADDITIONAL INFORMATION.
- WRAP EXPOSED LAVATORY HOT WATER SUPPLY AND DRAIN WITH INSULATION.

TOILET ACCESSORIES SCHEDULE			
MARK	DESCRIPTION	MANUFACTURER	REMARKS
A	STAINLESS STEEL GRAB BAR 42" LONG	BOBRICK B-6806 SERIES	SEE ELEVATION FOR MOUNTING HEIGHT
B	STAINLESS STEEL GRAB BAR 36" LONG	BOBRICK B-6806 SERIES	SEE ELEVATION FOR MOUNTING HEIGHT
C	STAINLESS STEEL GRAB BAR 18" LONG	BOBRICK B-6806 SERIES	SEE ELEVATION FOR MOUNTING HEIGHT
D	SURFACE-MOUNTED MULTI-ROLL TOILET TISSUE DISPENSER	BOBRICK B-274	SEE ELEVATION FOR MOUNTING HEIGHT
E	RECESSED WASTE RECEPTACLE	BOBRICK B-364	SEE ELEVATION FOR MOUNTING HEIGHT
F	SURFACE-MOUNTED AUTOMATIC SOAP DISPENSER	BOBRICK B-2012	SEE ELEVATION FOR MOUNTING HEIGHT
G	MIRROR 18" X 36" STAINLESS STEEL CHANNEL FRAME	BOBRICK B-165 1836 SERIES	SEE ELEVATION FOR MOUNTING HEIGHT
H	TOILET/URINAL PARTITIONS	SCRANTON - COMTEC HINY HIDERS	SEE INTERIOR FINISH LEGEND FOR ADDITIONAL INFORMATION
J	SURFACE-MOUNTED SANITARY NAPKIN DISPOSAL	BOBRICK B-254	SEE ELEVATION FOR MOUNTING HEIGHT
K	RECESSED AUTOMATIC HAND DRYER. VANDAL-PRONE INSTALLATION	EXCEL XLERATOR XL SB 115V	SEE ELEVATION FOR MOUNTING HEIGHT
L	SURFACE-MOUNTED TOILET SEAT-COVER DISPENSER	BOBRICK B-221	SEE ELEVATION FOR MOUNTING HEIGHT
M	BABY CHANGING STATION - HORIZONTAL WALL MOUNTED	KOALA KARE KB200	34" MAXIMUM HEIGHT TO TOP OF CHANGING SURFACE IN OPEN POSITION

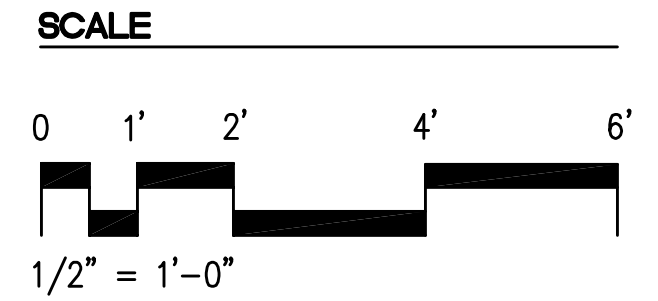
**GENERAL NOTE:**  
THE USE OF MANUFACTURER'S NAMES AND PRODUCTS DO NOT PRECLUDE THE USE OF OTHER MANUFACTURER'S PRODUCTS OF APPROVED EQUAL QUALITY, MATERIAL, COLOR, TEXTURE, AND PATTERN AS LONG AS ALL REQUIREMENTS IN THE TECHNICAL SECTIONS ARE MET.



GENERAL SIGNAGE NOTES

- PROVIDE ACCESSIBLE RESTROOM SIGNS PER ADA/ADAAG GUIDELINES FOR CONTENT, SYMBOL DESIGN, BRAILLE TRANSLATION, COLOR CONTRAST LEVELS, SIZE AND MOUNTING HEIGHT.
- BASIS OF DESIGN: MOHAWK M1000 SERIES OR APPROVED EQUAL. BRONZE (MATTE FINISH) PLASTIC LAMINATE SUBSTRATE WITH WHITE LETTERS, NUMBERS AND/OR SYMBOLS. ALL LETTERS TO BE HELVETICA UPPERCASE.
- SIGNS SHALL BE MOUNTED 60" FROM THE FLOOR TO THE CENTER OF THE SIGN ON THE LATCH SIDE OF THE DOOR. THE DISTANCE BETWEEN THE DOOR FRAME AND SIGN SHALL BE 2".

ACCESSIBLE SIGNAGE SCALE: 3" = 1'-0"



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FL LIC. # AA0002264  
PROJECT TITLE AND OWNERS NAME  
**AOPKA SERVICE CENTER - ADA COMPLIANT RESTROOM RENOVATIONS**

1111 ROCK SPRINGS ROAD  
AOPKA, FLORIDA 32712

**PERMIT/BID SUBMITTAL**  
CONSULTANTS

SEAL AND SIGNATURE

PETER M. IKEGAMI  
FL. LIC. # AR 0013065

REVISIONS

NO.	DATE	DESCRIPTION

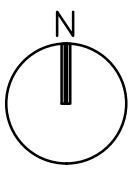
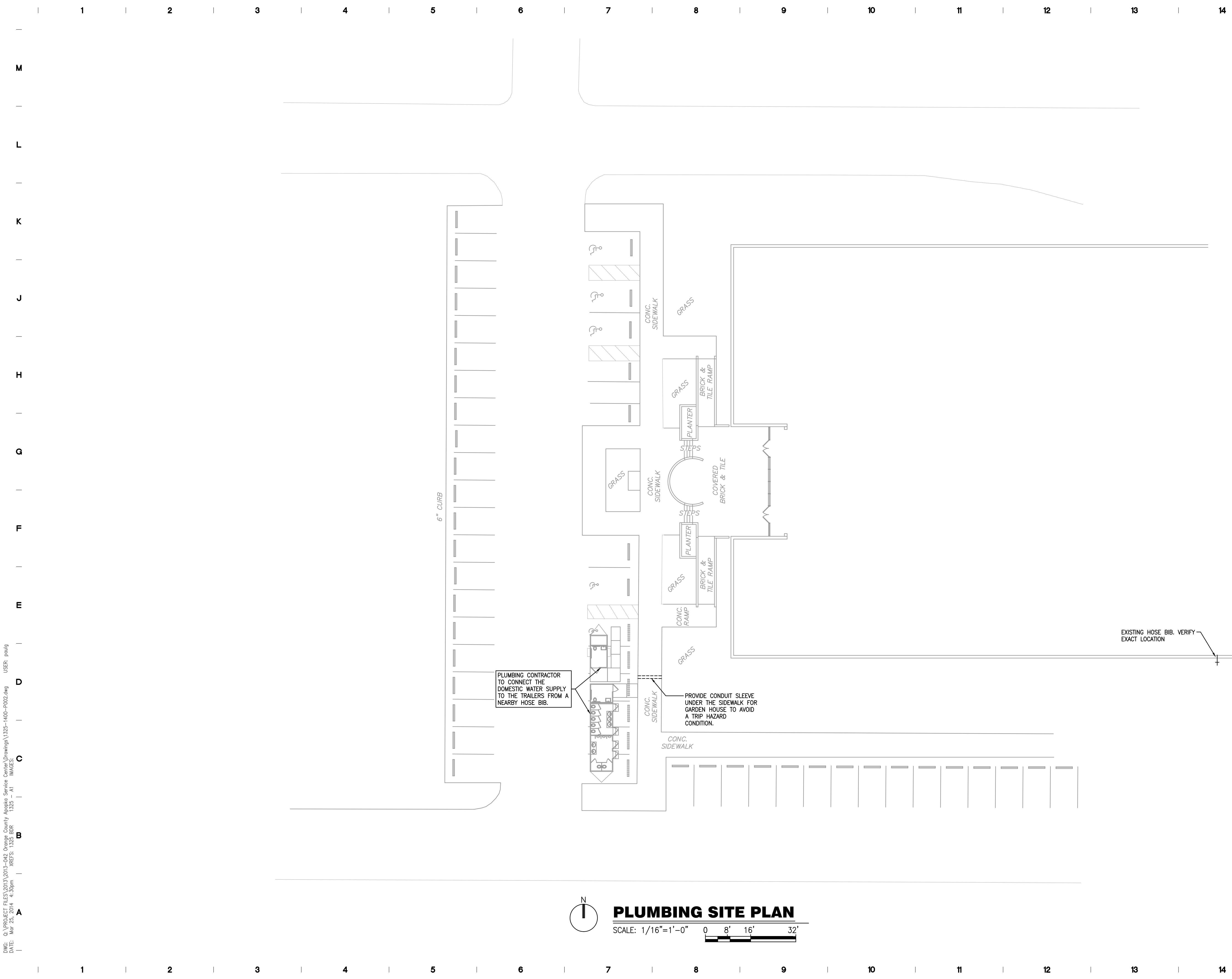
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CHECKED BY: PMI  
JOB NUMBER: 1325  
DATE: MAR 20, 2014  
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DRAWING NUMBER:

RESTROOM ELEVATIONS AND ACCESSORIES SCHEDULE

**A8.2**  
SHEET OF  
DRAWING NUMBER







**PLUMBING SITE PLAN**

SCALE: 1/16"=1'-0" 0 8' 16' 32'

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RVA

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JSS

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2013-041

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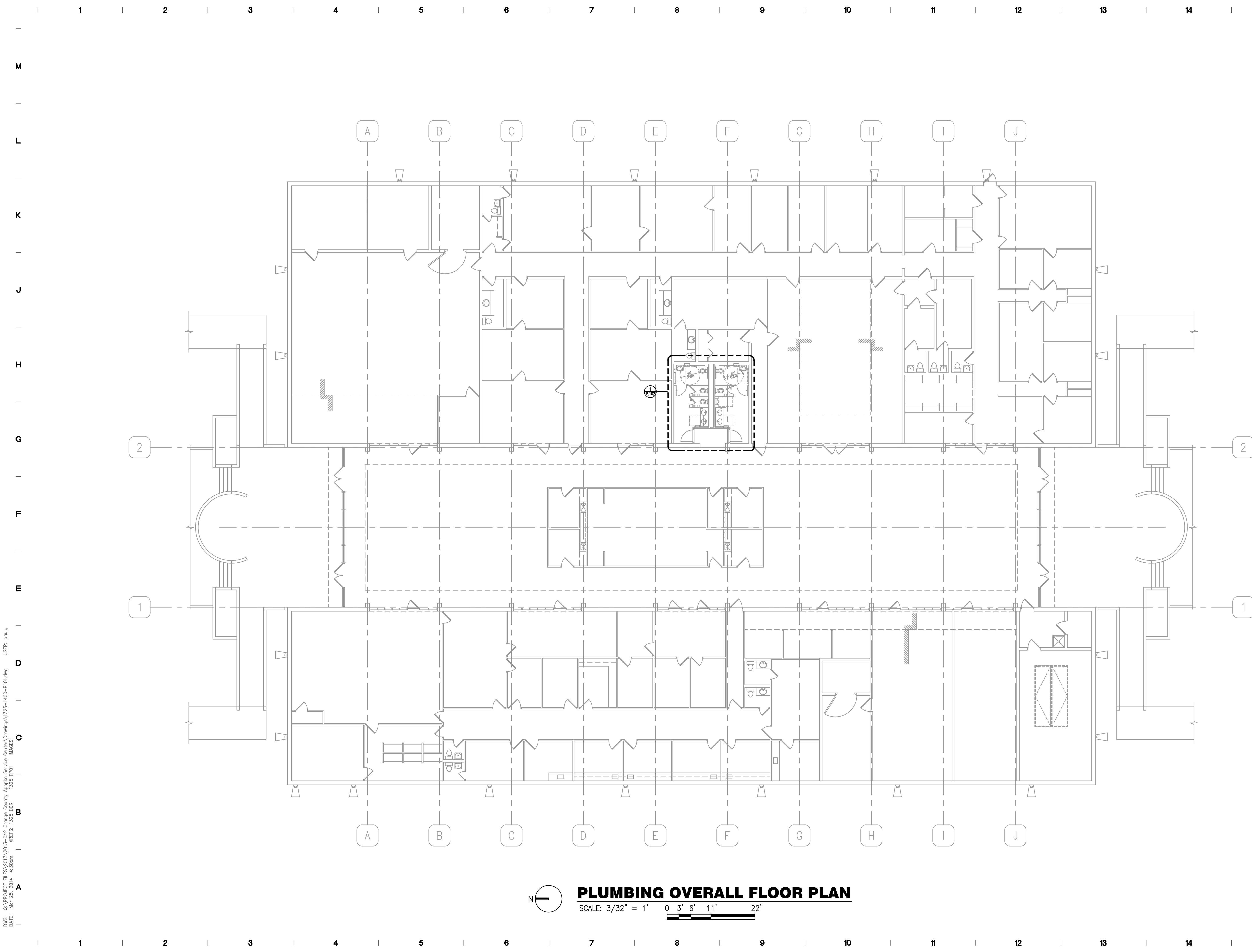
MARCH 20, 2014

DRAWING TITLE

**PLUMBING SITE PLAN**

DRAWING NUMBER

**P.002**



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 DATE: Mar 25, 2014 4:30pm


**PLUMBING OVERALL FLOOR PLAN**  
 SCALE: 3/32" = 1' 0' 3' 6' 11' 22'



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 CENTER - ADA  
 COMPLIANT RESTROOM  
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**PLUMBING OVERALL  
 FLOOR PLAN**

DRAWING NUMBER

**P.101**



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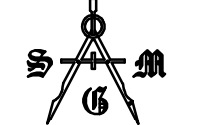
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CENTER - ADA  
COMPLIANT RESTROOM  
RENOVATIONS**

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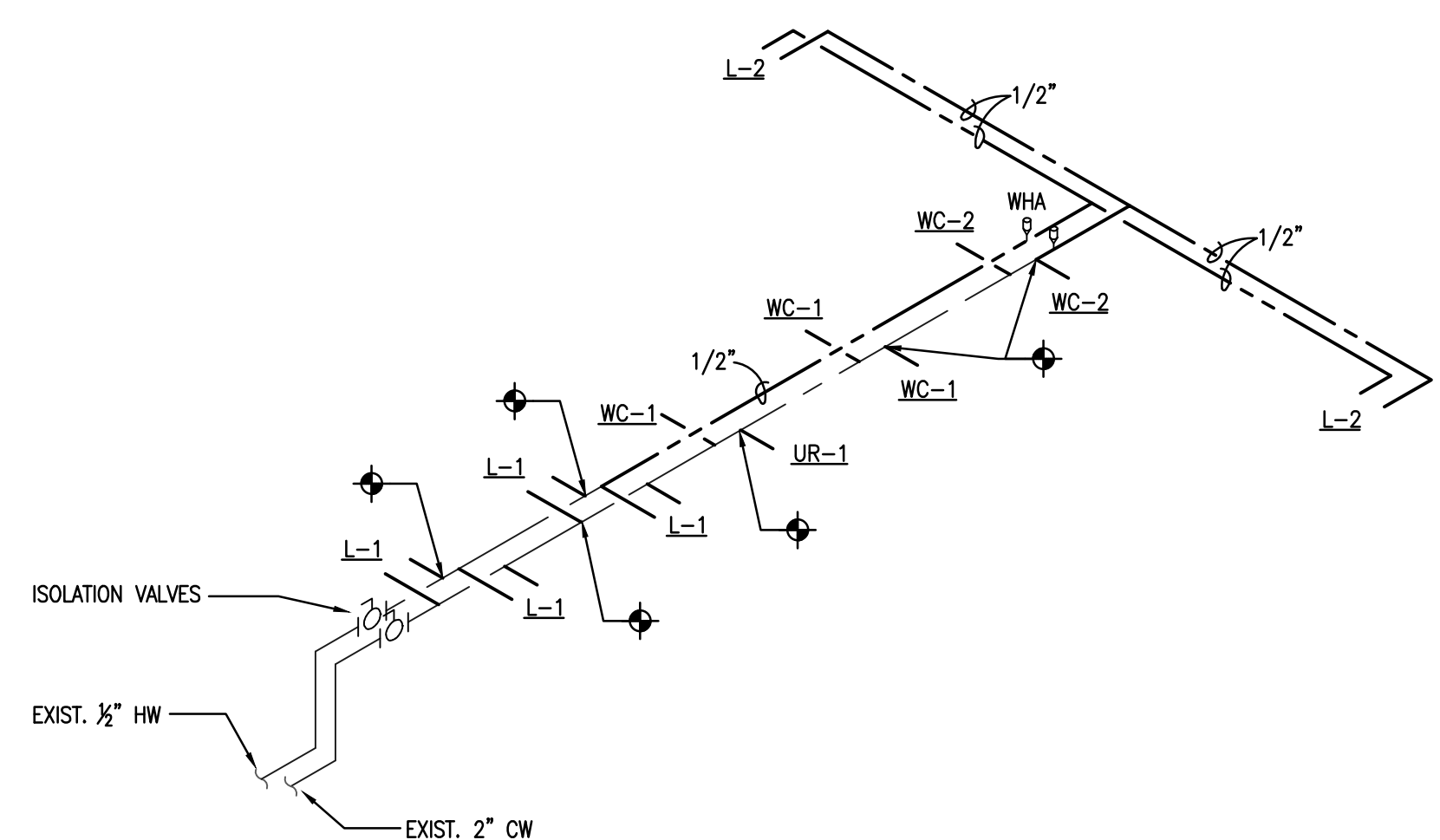
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**PLUMBING RENO AND  
DEMO ENLARGED PLANS**

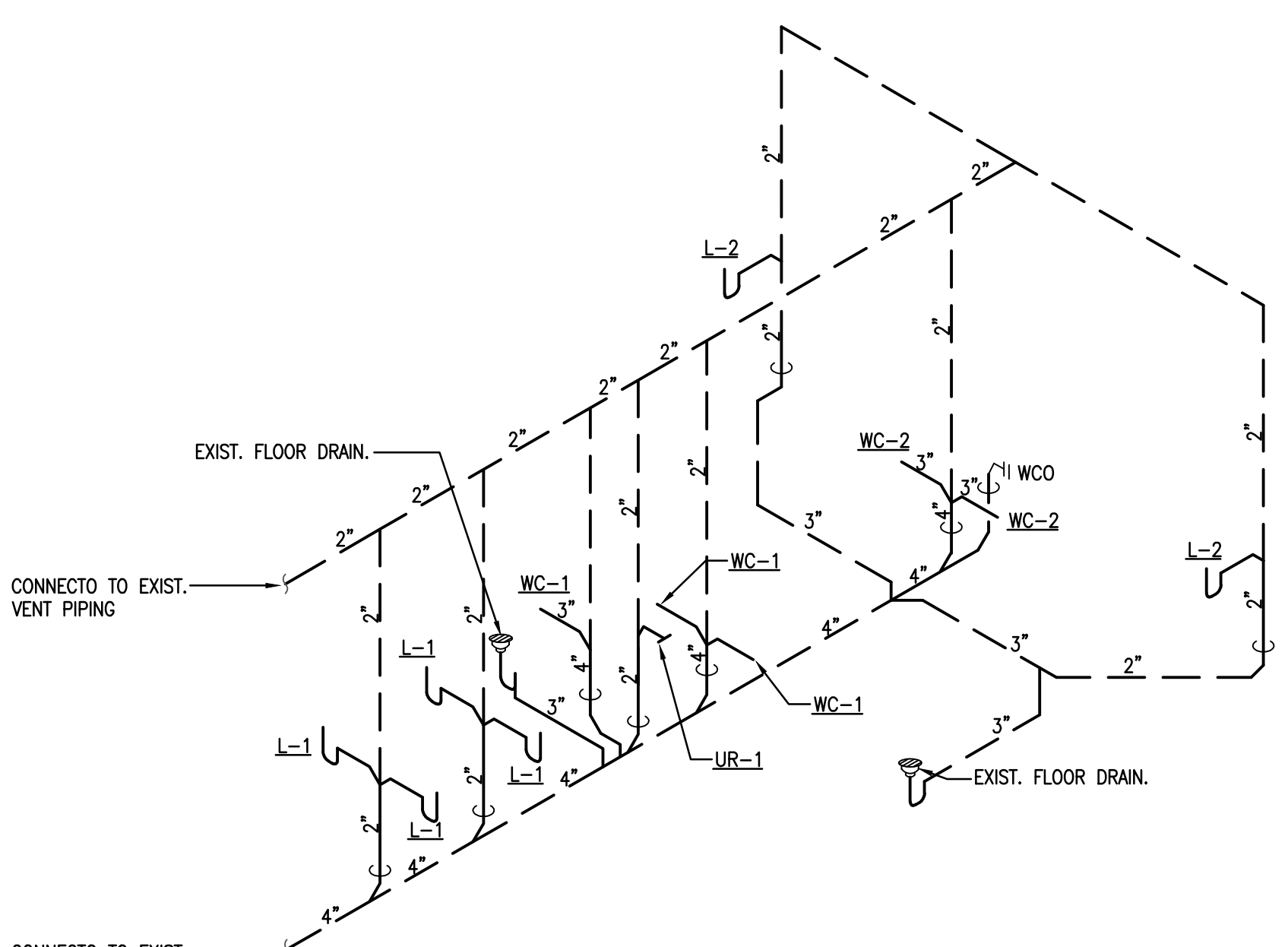
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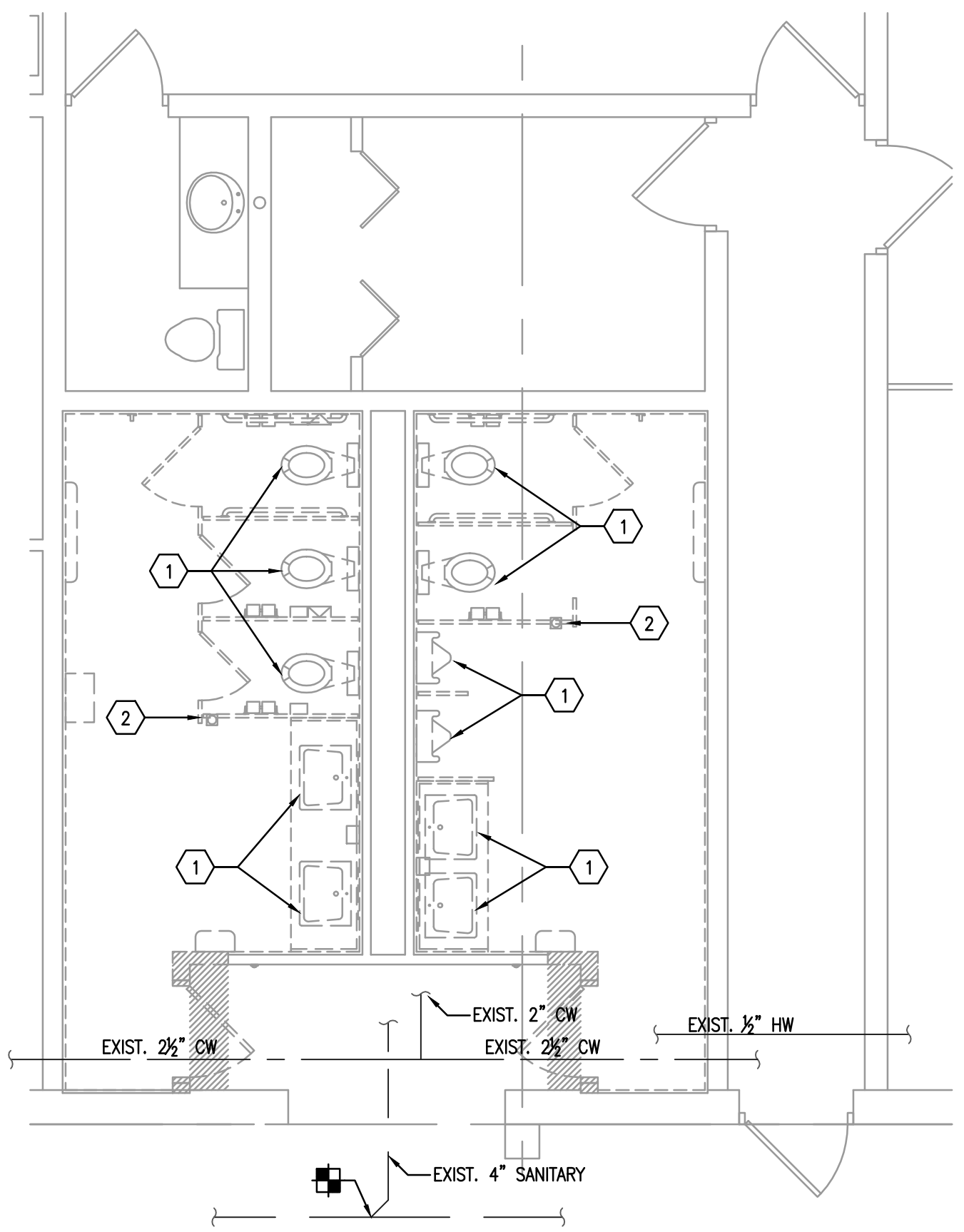
**DOMESTIC WATER RISER DIAGRAM**  
NOT TO SCALE



**SANITARY RISER DIAGRAM**  
NOT TO SCALE

**DEMOLITION PLAN KEY NOTES:**

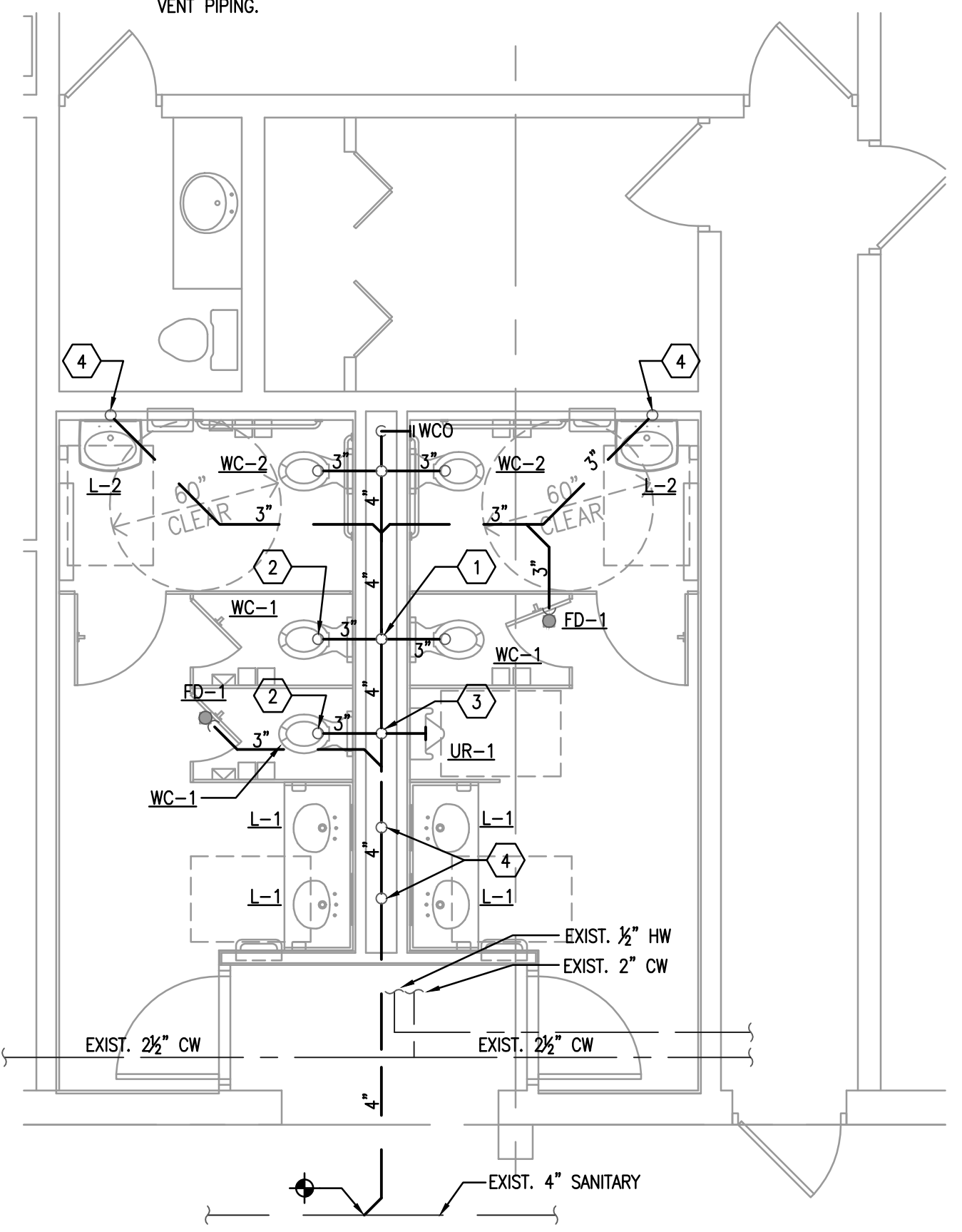
- 1. REMOVE WATER CLOSET, URINAL, OR LAVATORY. REMOVE SANITARY WASTE BACK TO 4" MAIN. CAP WATER PIPING AT MAIN.
- 2. EXISTING FLOOR DRAIN TO REMAIN.



**PLUMBING DEMOLITION FLOOR PLAN**  
SCALE: 1/4"=1'-0"  
0 2' 4' 8'

**RENOVATION PLAN KEY NOTES:**

- 1. PROVIDE NEW 2" V AND CONNECT TO EXISTING VENT PIPING.
- 2. PROVIDE 3" S FOR NEW WATER CLOSET, WC-1 OR WC-2. ROUTE 1" CW FROM EXISTING COLD WATER PIPING.
- 3. PROVIDE 2" S FOR NEW URINAL, UR-1. ROUTE 3/4" CW FROM EXISTING COLD WATER PIPING. PROVIDE 2" V AND CONNECT TO EXISTING VENT PIPING.
- 4. PROVIDE 2" S FOR NEW LAVATORY, L-1 OR L-2. ROUTE 1/2" CW AND HW FROM EXISTING WATER PIPING. PROVIDE 2" V AND CONNECT TO EXISTING VENT PIPING.



**PLUMBING RENOVATION FLOOR PLAN**  
SCALE: 1/4"=1'-0"  
0 2' 4' 8'

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DATE: Mar 20, 2014 4:30pm  
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PROJECT: 1325-1400-P102



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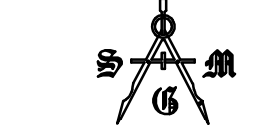
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CENTER - ADA  
COMPLIANT RESTROOM  
RENOVATIONS

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MARCH 20, 2014

DRAWING TITLE

MECHANICAL  
SCHEDULES AND  
DETAILS

DRAWING NUMBER

M.001

**MECHANICAL SYMBOLS LEGEND**

**DUCTWORK**

	NEW WORK		FLEXIBLE ROUND DUCT
	EXISTING DUCTWORK		FIRE DAMPER AND ACCESS DOOR
	DEMO DUCTWORK		RECTANGULAR DUCT, FIRST FIGURE IS SIDE SHOWN
	DEMO DUCTWORK		COMBINATION FIRE AND SMOKE DAMPER, WITH ACCESS DOOR
	SUPPLY AIR DUCT - SECTION		BACKDRAFT DAMPER
	RETURN AIR DUCT - SECTION		ROUND DUCT, DIAMETER SHOWN
	EXHAUST AIR DUCT - SECTION		MOTORIZED DAMPER
	SUPPLY DUCT UP THRU ROOF OR FLOOR/CEILING ASSEMBLY		NEW PIPING
	RETURN DUCT UP THRU ROOF OR FLOOR/CEILING ASSEMBLY		EXISTING PIPING
	ELBOW TURNED UP		DEMO PIPING
	ELBOW TURNED DOWN		DEMO PIPING
	OFFSET IN DUCTWORK - UP		DEMO PIPING
	OFFSET IN DUCTWORK - DOWN		DEMO PIPING
	TEE WITH DOUBLE THICKNESS		SPIN-IN COLLAR WITH VOLUME DAMPER
	MITERED ELBOW - WHERE USED PROVIDE TURNING VANES		HUMIDITY SENSOR
	RADIUS ELBOW		THERMOSTAT OR TEMPERATURE SENSOR
	CEILING DIFFUSER - BOTTOM DUCT CONNECTION		SMOKE DETECTOR
	STANDARD BRANCH TAKEOFF		FIRE STAT
	MANUAL DAMPER		STATIC PRESSURE SENSOR
	4-WAY DISCHARGE SQUARE SUPPLY AIR DIFFUSER		SMOKE DAMPER
	RETURN AIR REGISTER/GRILLE		FIRE/SMOKE DAMPER
	EXHAUST AIR REGISTER/GRILLE		FIRE DAMPER
	SIDEWALL REGISTER OR GRILLE		CARBON DIOXIDE SENSOR
	FLEXIBLE CONNECTION		VARIABLE FREQUENCY DRIVE
	CEILING DIFFUSER - SIDE DUCT CONNECTION		MOTOR STARTER
			ENERGY MANAGEMENT SYSTEM
			ENLARGED PLAN REFERENCE
			ENLARGED PLAN TAG, FLOOR PLAN REFERENCE
			SECTION TAG

**MECHANICAL ABBREVIATIONS**

A	AIR	HR	HOUR
AAV	AUTOMATIC AIR VENT	HVAC	HEATING VENTILATING AND AIR CONDITIONING
ACU	AIR CONDITIONING UNIT	HZ	HERTZ (CYCLES PER SECOND)
AD	ACCESS DOOR, AIR DRYER		
AF	ABOVE FINISHED FLOOR	ID	INSIDE DIAMETER
AHU	AIR HANDLING UNIT	IN	INCH
ALUM	ALUMINUM	KW	KILOWATT
AP	ACCESS PANEL	LDB	LEAVING DRY BULB
APD	AIR PRESSURE DROP	LWB	LEAVING WET BULB
ATC	AUTOMATIC TEMPERATURE CONTROL	LOR	LIMIT OF REMOVAL
AV	AIR VENT	MAX	MAXIMUM
BDD	BACK DRAFT DAMPER	MCB	MASTER BUILDING CONTROLLER
BOT	BOTTOM	MD	MANUAL DAMPER
BFP	BACKFLOW PREVENTER	MIN	MINIMUM
BTU	BRITISH THERMAL UNIT	N	NORTH
BV	BALL VALVE	NA	NOT APPLICABLE
C	CELSIUS, DEGREE CELSIUS	NO OR #	NUMBER, NORMALLY OPEN
CFM	CENTRIFUGAL CUBIC FEET PER MINUTE	NTS	NOT TO SCALE
CHWSAR	CHILLED WATER SUPPLY & RETURN	OA	OUTSIDE AIR
CLD	CEILING	OB	OPPOSED BLADE DAMPER
CO	CLEAN OUT	OD	OUTSIDE DIAMETER
COND	CONDENSATE	OPER	OPERATING
DB	DRY BULB, DOWN BLOW	PC	PRESSURE GAUGE
DCW	DOMESTIC COLD WATER	PSI	POUNDS PER SQUARE INCH
DEG	DEGREE	PSIG	POUNDS PER SQUARE INCH GAUGE
DELV	DELIVERY	RA	RETURN AIR REGISTER
DHW	DOMESTIC HOT WATER	REG	REGISTER
DISC	DISCONNECT	RF	RETURN FAN
DN	DOWN	RG	RETURN GRILLE
DPS	DIFFERENTIAL PRESSURE SWITCH	RH	RELATIVE HUMIDITY
EA	EXHAUST AIR, EACH	RHC	REHEAT COIL
EAT	ENTERING AIR TEMPERATURE	RM	ROOM
EDB	ENTERING DRY BULB	SA	SUPPLY AIR SUPPLY FAN
EFF	EFFICIENCY	SF	SUPPLY FAN
ELEV	ELEVATION	S/FD	SMOKE/FIRE DAMPER
EMS	ENERGY MANAGEMENT SYSTEM	T	THERMOSTAT
ENT	ENTERING	TEC	TERMINAL EQUIPMENT CONTROLLER
ERG	EXISTING RETURN GRILLE	TEMP	TEMPERATURE
EWB	ENTERING WET BULB	TS	TEMPERATURE SENSOR
F	FAHRENHEIT	TYP	TYPICAL
FD	FIRE DAMPER, FLOOR DRAIN	V	VENT, VOLT
FFM	FEET PER MINUTE	VD	VOLUME DAMPER
FPS	FEET PER SECOND	VERT	VERTICAL
F/SD	FIRE/SMOKE DAMPER	WB	WET BULB
FT	FEET	WPD	WATER PRESSURE DROP
GPH	GALLONS PER HOUR	WMS	WIRE MESH SCREEN
GPM	GALLONS PER MINUTE	1WB	ONE WAY BLOW
HHWSAR	HEATING HOT WATER SUPPLY&RETURN	2WB	TWO WAY BLOW
HRA	HAND-OFF-AUTOMATIC	3WB	THREE WAY BLOW
HP	HORSEPOWER, HEAT PUMP		

**MECHANICAL LEGEND**

	-CHILLED WATER SUPPLY
	-CHILLED WATER RETURN
	-HOT WATER SUPPLY
	-HOT WATER RETURN
	-CONDENSATE DRAIN
	-REFRIGERANT LIQUID
	-REFRIGERANT SUCTION
	-GATE VALVE
	-BALL VALVE
	-CALIBRATE BALANCING VALVE
	-BUTTERFLY VALVE
	-GAS COCK
	-UNION
	-STRAINER
	-PSI REG.
	-CHECK VALVE
	-CONNECTION, BOTTOM
	-CONNECTION, TOP
	-ELBOW, TURNED DOWN
	-ELBOW, TURNED UP
	-REDUCER, CONCENTRIC
	-REDUCER, ECCENTRIC STRAIGHT CROWN
	-CAP

**MECHANICAL GENERAL NOTES**

- THE CONTRACTOR SHALL DEMONSTRATE EACH HVAC SYSTEMS PERFORMANCE IN THE PRESENCE OF THE ARCHITECT AND THE OWNER'S PROJECT MANAGER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF ANY ADDITIONAL SYSTEM TEST REQUIRED IF IN THE OPINION OF THE ARCHITECT AND THE OWNERS PROJECT MANAGER THE SYSTEMS DO NOT PERFORM AS SPECIFIED.
- IF, THROUGH ERRORS OR OMISSIONS, THE INTENT OF ARCHITECT/ ENGINEER WITH REGARD TO ANY DETAIL IS NOT CLEAR, OR IS CAPABLE OF MORE THAN ONE INTERPRETATION, SUCH MATTERS WILL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER IN WRITING BEFORE THE SUBMISSION OF BIDS, AND THE ARCHITECT/ ENGINEER SHALL MAKE CORRECTION OR EXPLANATION IN WRITING. OTHERWISE, NO EXTRA CHARGE WILL BE ALLOWED FOR THE WORK OR MATERIAL WHICH THE ARCHITECT/ENGINEER WILL REQUIRE, PROVIDED THAT IT COMES WITHIN A REASONABLE INTERPRETATION OF THE DRAWINGS AND SPECIFICATIONS.
- THE PLANS AND SPECIFICATIONS ARE INTENDED AS A GENERAL DESCRIPTION OF THE WORK TO BE PERFORMED. ALL ITEMS NOT SPECIFICALLY MENTIONED OR SHOWN, BUT NECESSARY FOR THE COMPLETION OF THE INSTALLATION, SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR. THIS CONTRACTOR SHALL THOROUGHLY ACQUAINT HIMSELF WITH THE MECHANICAL, ARCHITECTURAL, STRUCTURAL AND ELECTRICAL PLANS BEFORE SUBMITTING HIS FINAL BID. NO ADDITIONAL COMPENSATION WILL BE ALLOWED DUE TO THE CONTRACTOR'S FAILURE TO FAMILIARIZE HIMSELF WITH THE PLANS.
- UNFORESEEN CONDITIONS MAY EXIST AND WORK MAY NOT BE FIELD LOCATED EXACTLY AS SHOWN ON THE DRAWINGS. COOPERATION WITH OTHER TRADES IN ROUTING AND/OR BURIAL DEPTHS AS DETERMINED DURING CONSTRUCTION AND AS DIRECTED BY THE ARCHITECT/ENGINEER MAYBE NECESSARY. IT IS INTENDED THAT SUCH DEVIATIONS SHALL BE CONSIDERED AS PART OF THIS CONTRACT. SUCH DEVIATIONS MAY NOT BE CONSIDERED AS PART OF THIS CONTRACT WHEN PROPERLY DOCUMENTED IN WRITING. THE PLANS ARE NOT COMPLETELY TO SCALE. CONTRACTOR IS TO FIELD VERIFY DIMENSIONS OF ALL SITE UTILITIES ETC PRIOR TO BID AND INCLUDE ANY DEVIATIONS IN THE CONTRACT.
- ALL DUCT IS TO BE CONCEALED ABOVE CEILING OR IN NEW WALLS UNLESS SPECIFICALLY NOTED AS EXPOSED OR SURFACE MOUNTED.
- ALL WORK SHALL BE IN ACCORDANCE WITH THE 2013 FLORIDA BUILDING CODE AND ALL LOCAL CODES.
- THE SIZE AND LOCATION OF EQUIPMENT INSTALLED UNDER DIVISION 23 MECHANICAL SHALL BE COORDINATED WITH OTHER TRADES. CONNECTION TO EQUIPMENT SHALL BE VERIFIED WITH MANUFACTURER'S CERTIFIED DRAWINGS. TRANSITIONS TO ALL EQUIPMENT SHALL BE VERIFIED AND PROVIDED FOR EQUIPMENT FURNISHED.
- VERIFY EXISTING CONDITIONS IN FIELD AND COORDINATE WITH ALL TRADES INCLUDING, BUT NOT LIMITED TO, ARCHITECTURAL, STRUCTURAL, LIGHTING, POWER, SYSTEMS, PLUMBING, FIRE PROTECTION AND OTHER EXISTING AND NEW WORK.
- INTERRUPTION OF EXISTING SERVICES SHALL BE MINIMAL AND SHALL BE FULLY COORDINATED WITH THE OWNER AND ALL TRADES IN ADVANCE TO SCHEDULE ALL INTERRUPTIONS DURING NON-CRITICAL TIMES.
- ALL DUCTWORK SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH NFPA 90A AND 90B.
- BEFORE FABRICATION, VERIFY AND COORDINATE ALL DIMENSIONS IN FIELD. DUCT SIZES AND ALL OPENINGS THROUGH BUILDING CONSTRUCTION SHALL SUIT EQUIPMENT FURNISHED.
- ALL WORK SHALL BE COORDINATED WITH ALL TRADES INVOLVED. OFFSETS IN DUCTS AND TRANSITIONS AROUND OBSTRUCTIONS SHALL BE PROVIDED AT NO ADDITIONAL COST.
- ALL DUCTWORK IS SHOWN SCHEMATICALLY. PROVIDE ALL TRANSITIONS, ELBOWS, FITTINGS, ETC., TO ALLOW SMOOTH FLOWS.
- ACCESS PANELS IN DUCTWORK AND CEILINGS SHALL BE PROVIDED WHERE REQUIRED FOR OPERATION, BALANCING AND MAINTENANCE OF ALL MECHANICAL EQUIPMENT.
- MAINTAIN CLEARANCE OF A MINIMUM OF 6" BETWEEN DUCTWORK, PIPING, EQUIPMENT, ETC., AND ALL FIRE RATED AND FIRE/SMOKE RATED PARTITIONS TO ALLOW FOR INSPECTIONS OF RATED WALLS.
- DAMPERS AND INSIDES OF DUCTS VISIBLE THROUGH GRILLES, REGISTERS AND DIFFUSERS SHALL BE PAINTED FLAT BLACK.
- PROVIDE FIRE DAMPERS AT EACH FIRE RATED WALL PENETRATION OF ALL AIR SUPPLY, RETURN, EXHAUST AND VENTILATION DUCTS. IF NOT SHOWN ON THE DOCUMENTS THIS MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BID.

**MECHANICAL SCHEDULES AND DETAILS**

NTS



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FL LIC. # AA0002264

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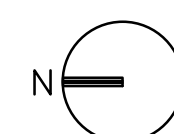
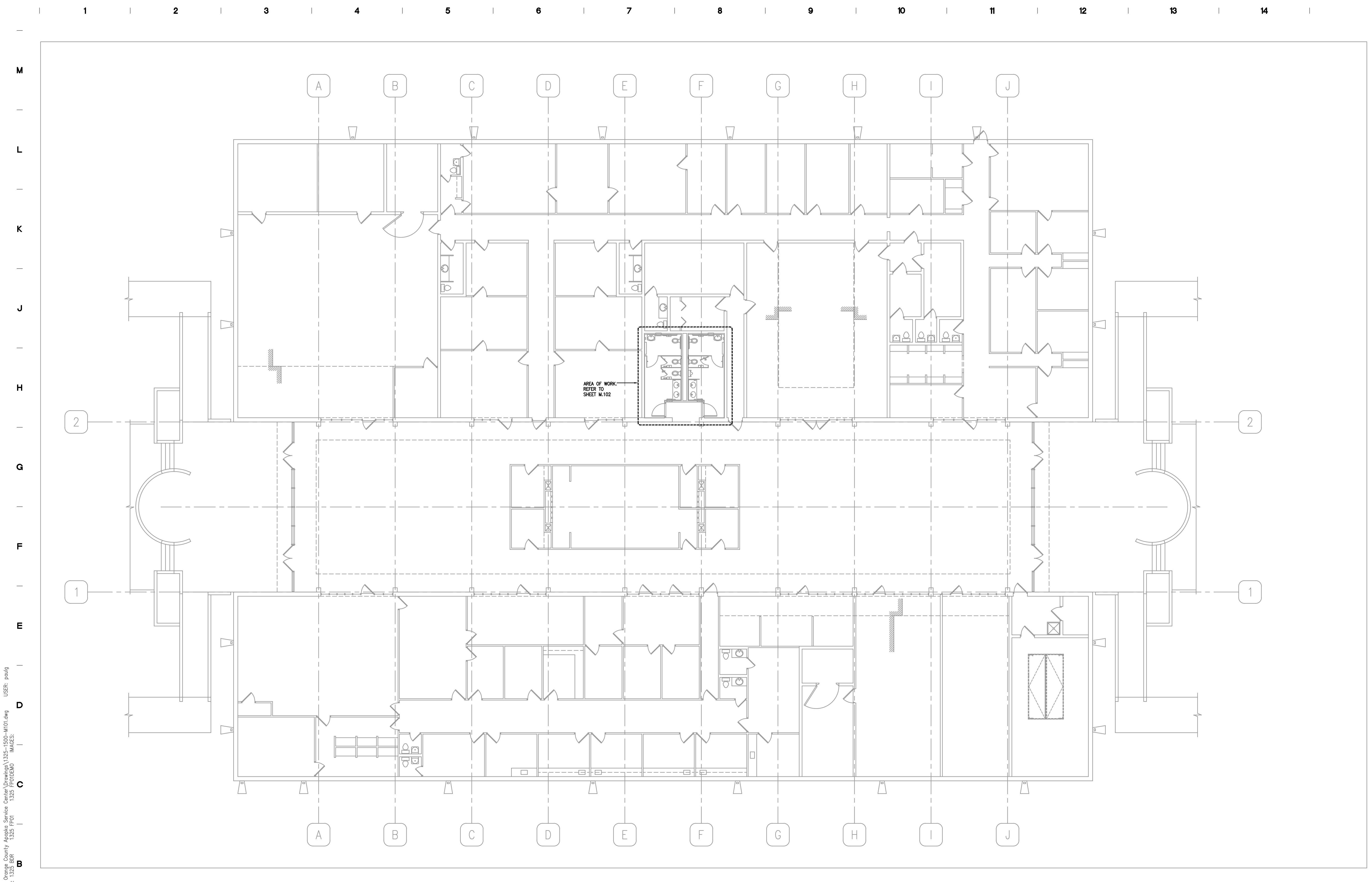
MARCH 20, 2014

DRAWING TITLE

**MECHANICAL FLOOR PLAN**

DRAWING NUMBER

**M.101**



**MECHANICAL OVERALL FLOOR PLAN**

SCALE: 3/32" = 1' 0 3' 6' 11' 22'

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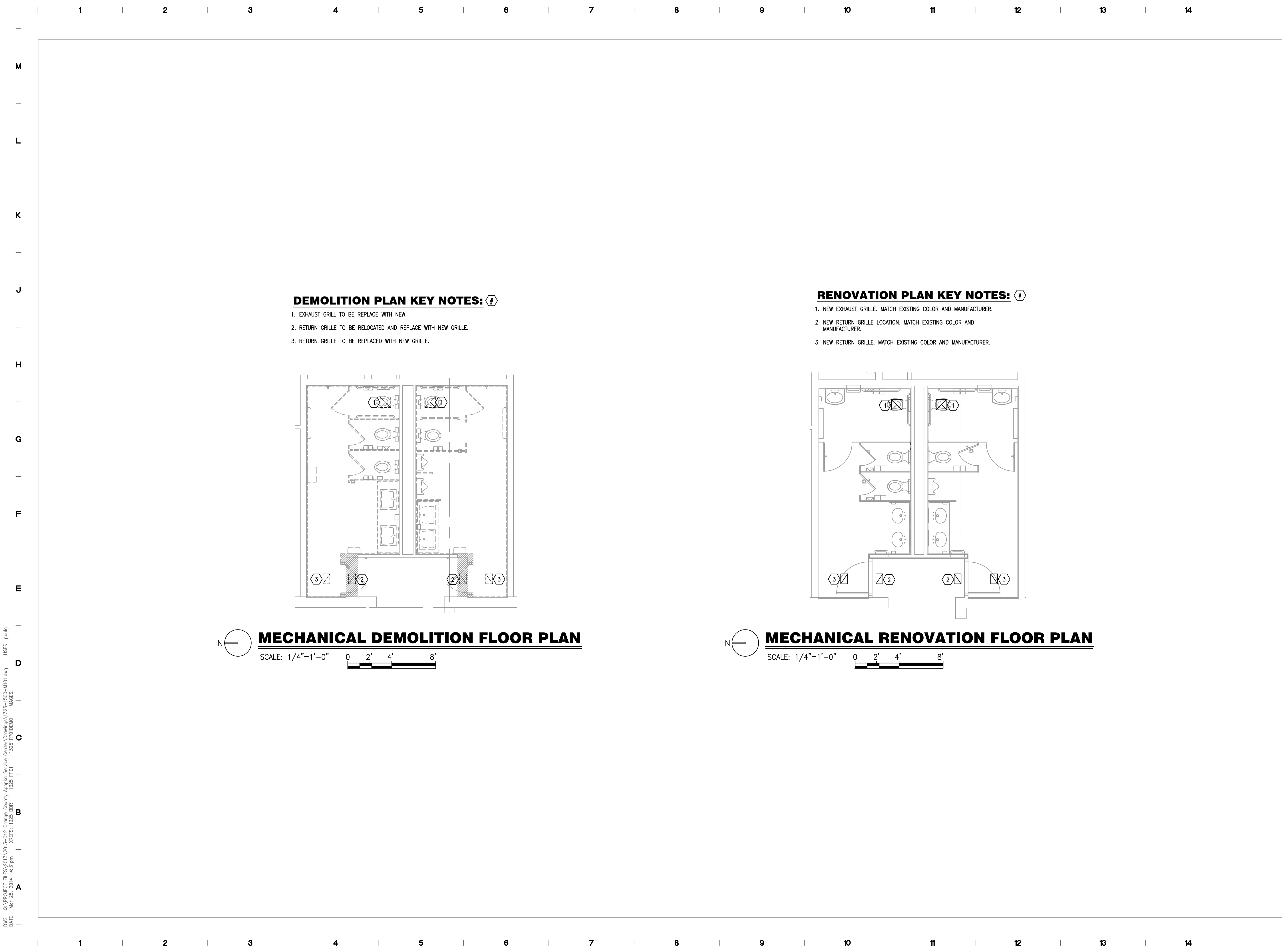
MARCH 20, 2014

DRAWING TITLE

**MECHANICAL  
ENLARGED PLANS**

DRAWING NUMBER

**M.102**



- DEMOLITION PLAN KEY NOTES:**
1. EXHAUST GRILLE TO BE REPLACE WITH NEW.
  2. RETURN GRILLE TO BE RELOCATED AND REPLACE WITH NEW GRILLE.
  3. RETURN GRILLE TO BE REPLACED WITH NEW GRILLE.

- RENOVATION PLAN KEY NOTES:**
1. NEW EXHAUST GRILLE. MATCH EXISTING COLOR AND MANUFACTURER.
  2. NEW RETURN GRILLE LOCATION. MATCH EXISTING COLOR AND MANUFACTURER.
  3. NEW RETURN GRILLE. MATCH EXISTING COLOR AND MANUFACTURER.

**MECHANICAL DEMOLITION FLOOR PLAN**  
SCALE: 1/4"=1'-0" 0 2' 4' 8'

**MECHANICAL RENOVATION FLOOR PLAN**  
SCALE: 1/4"=1'-0" 0 2' 4' 8'

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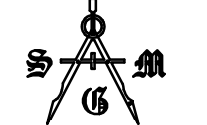
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2013-041

DATE

MARCH 20, 2014

DRAWING TITLE

**ELECTRICAL SYMBOLS  
 LEGEND AND DETAILS**

DRAWING NUMBER

**E.001**

**LIGHTING CONTROL DEVICES**

DT \*DUAL ULTRASONIC/PIR-CEILING MOUNT SENSOR, 24 VDC/VAC, 35mA. WATTSTOPPER DT-305 OR EQUAL.

**LIGHTING FIXTURES**

1'x4' FLUORESCENT FIXTURE  
 EMERGENCY LIGHT FIXTURE

**POWER DISTRIBUTION**

120/208V PANELBOARD, SURFACE MOUNT  
 277/480V PANELBOARD, SURFACE MOUNT

FEEDER OR BRANCH CIRCUIT CONCEALED IN WALL, CEILING OR FLOOR  
 HOMERUN CONSISTING OF ONE SINGLE-PHASE, 1-POLE CIRCUIT: (2) 12 AWG + (1) 12 AWG GND IN 3/4" CONDUIT, UNLESS OTHERWISE NOTED. PANELBOARD AND CIRCUIT DESIGNATION ARE INDICATED.

HOMERUN CONSISTING OF ONE SINGLE-PHASE, 2-POLE CIRCUIT: (2) 12 AWG + (1) 12 AWG GND IN 3/4" CONDUIT, UNLESS OTHERWISE NOTED. PANELBOARD AND CIRCUIT DESIGNATIONS ARE INDICATED.

HOMERUN CONSISTING OF TWO SINGLE-PHASE CIRCUITS: (3) 12 AWG + (1) 12 AWG GND IN 3/4" CONDUIT, UNLESS OTHERWISE NOTED. PANELBOARD AND CIRCUIT DESIGNATION ARE INDICATED.

HOMERUN CONSISTING OF THREE SINGLE-PHASE CIRCUITS: (4) 12 AWG + (1) 12 AWG GND IN 3/4" CONDUIT, UNLESS OTHERWISE NOTED. PANELBOARD AND CIRCUIT DESIGNATIONS ARE INDICATED.

HOMERUN CONSISTING OF ONE THREE-PHASE CIRCUITS: (3) 12 AWG + (1) 12 AWG GND IN 3/4" CONDUIT, UNLESS OTHERWISE NOTED. PANELBOARD AND CIRCUIT DESIGNATIONS ARE INDICATED.

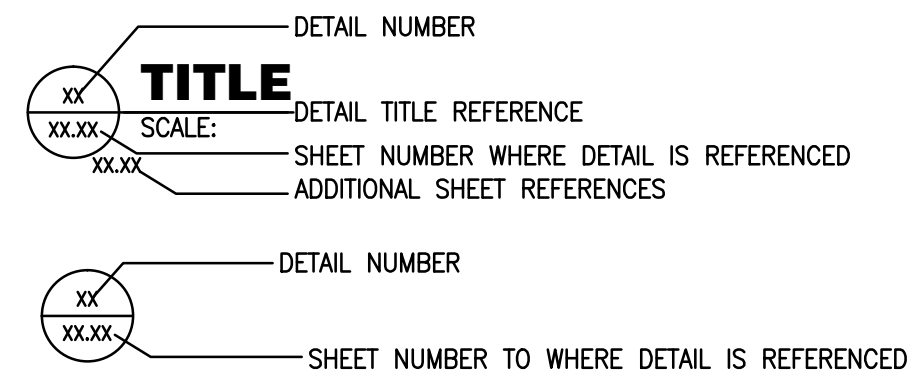
**POWER DEVICES**

DUPLEX RECEPTACLE, GROUND FAULT, ABOVE COUNTER  
 TRANSFORMER

**FIRE ALARM SYSTEM**

FIRE ALARM COMBINATION HORN/STROBE DEVICE (75 CANDELA MINIMUM, 110 CANDELA WHERE NOTED)  
 FIRE ALARM STROBE ONLY, 75 CANDELA MINIMUM

**MISCELLANEOUS SYMBOL LEGEND**



**ABBREVIATIONS**

A AMPERES	EXIST EXISTING	MCB MAIN CIRCUIT BREAKER
AE AUDIO ENHANCEMENT	EXP EXPLOSION PROOF	MCC MOTOR CONTROL CENTER
AFC ABOVE FINISHED CEILING	FA FIRE ALARM	MCP MOTOR CIRCUIT PROTECTOR
AFF ABOVE FINISHED FLOOR	FLA FULL LOAD AMPERES	MFR MANUFACTURER
AFG ABOVE FINISHED GRADE	FLUOR FLUORESCENT	MH METAL HALIDE
AIC AMPERES INTERRUPTING CAPACITY	GFCI GROUND FAULT CIRCUIT INTERRUPTER	MIN MINIMUM
AL ALUMINUM	GFP GROUND FAULT PROTECTION	MISC MISCELLANEOUS
AWG AMERICAN WIRE GAUGE	GND GROUND	MMS MANUAL MOTOR STARTER SWITCH
BFC BELOW FINISHED CEILING	HGT HEIGHT	MTR MOTOR
BFG BELOW FINISHED GRADE	HID HIGH INTENSITY DISCHARGE	MTD MOUNTED
C CONDUIT	HPS HIGH PRESSURE SODIUM	MTG MOUNTING
CAB CABINET	HOA HAND-OFF-AUTOMATIC	NAC NOTIFICATION APPLIANCE CIRCUIT
CKT CIRCUIT	HP HORSEPOWER	NEC NATIONAL ELECTRICAL CODE
CLG CEILING	HVAC HEATING/VENTILATING/AIR CONDITIONING	NL NIGHT LIGHT, UNSWITCHED
CL CENTERLINE	HV HIGH VOLTAGE	PNL PANEL
CT's CURRENT TRANSFORMERS	INC INCANDESCENT	PSI PULL STATION INSIDE
CU COPPER	JB JUNCTION BOX	PVC POLYVINYL CHLORIDE
DISC DISCONNECT(NG)	KV KILO-VOLTS	REC RECEPTACLE
DWG DRAWING(S)	KVA KILO-VOLTS-AMPERES	RGS RIGID GALVANIZED STEEL
EA EACH	KVAR KILO-VOLTS-AMPERES REACTIVE	SPD SURGE PROTECTION DEVICE
ECB ENCLOSED CIRCUIT BREAKER	KW KILO-WATTS	TEL TELEPHONE
EF EXHAUST FAN	KWH KILO-WATT-HOURS	TYP TYPICAL
EMT ELECTRICAL METALLIC TUBING	LTG LIGHTING	UNLESS OTHERWISE NOTED
EQUIP EQUIPMENT	m METER	V VOLTS
ELUH ELECTRIC UNIT HEATER	mm MILLIMETER	VA VOLT-AMPERES
EWC ELECTRIC WATER COOLER	MAX MAXIMUM	VFD VARIABLE FREQUENCY DRIVE
EWH ELECTRIC WATER HEATER		W WATTS
EXH EXHAUST		WP WEATHER PROOF
		XFMR TRANSFORMER

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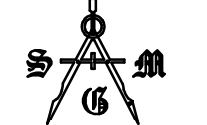
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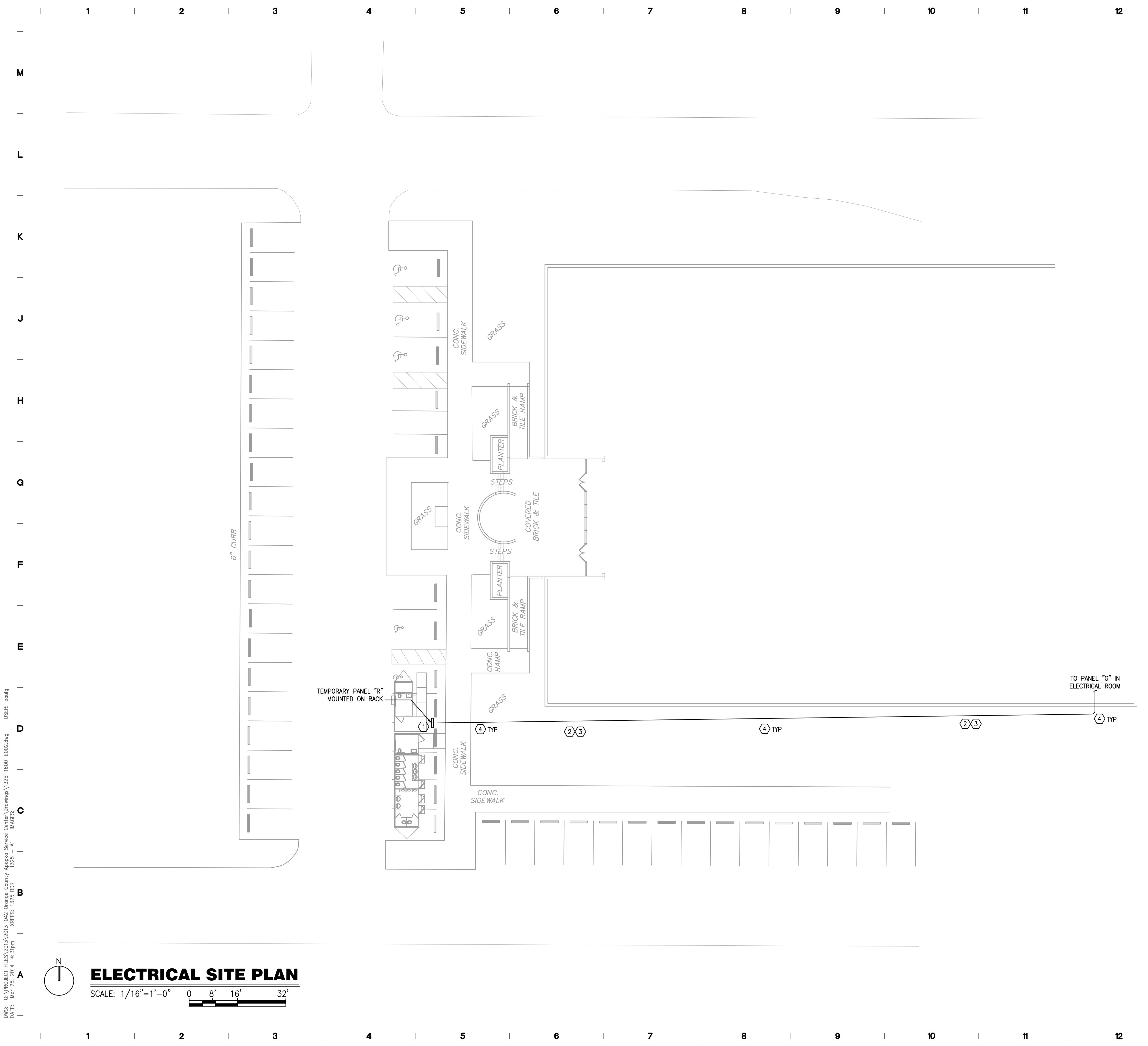
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DRAWING TITLE

**ELECTRICAL SITE  
PLAN**

DRAWING NUMBER

**E.101**



**GENERAL NOTES:**

- a. REFER TO SYMBOL LEGEND AND ON SHEET E.001.
- b. REFER TO BOOK SPECIFICATIONS.
- c. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS TO COORDINATE EXACT PLACEMENT OF ALL DEVICES, EQUIPMENT, FIXTURES, SWITCHES AND OUTLETS.
- d. ALL FEEDERS ARE TO HAVE LESS THAN 2% TOTAL VOLTAGE DROP AND ALL BRANCH CIRCUITS SHALL HAVE LESS THAN 3% VOLTAGE DROP.
- e. IF CIRCUITS ARE COMBINED AND RUN AS MULTI-WIRE BRANCH CIRCUITS SHARING A COMMON NEUTRAL, THEN EACH UNGROUNDED CONDUCTOR MUST BE DISCONNECTED SIMULTANEOUSLY BY A COMMON TRIP CIRCUIT BREAKER. CONTRACTOR MAY, AT THEIR OPTION, PROVIDE EITHER COMMON TRIP MULTI-POLE CIRCUIT BREAKERS OR UTILIZE MANUFACTURERS LISTED HANDLE TIES IN ORDER TO PROVIDE THE SIMULTANEOUS TRIP. THESE DEVICES ARE NOT SHOWN IN THE PANEL SCHEDULES AND MUST BE PROVIDED BY THIS SCOPE OF WORK. NO MORE THAN 3 CIRCUITS MAY BE COMBINED IN A SINGLE RACEWAY WITHOUT PRIOR APPROVAL BY THE ENGINEER.

**PLAN KEY NOTES:**

- 1. PROVIDE A RACK FOR MOUNTING TEMPORARY PANEL "R" AND GFCI RECEPTACLES FOR TEMPORARY TRAILERS. REFERENCE DETAIL 1 ON SHEET E.801.
- 2. PROVIDE NEW UNDERGROUND CONDUIT AND CONDUCTORS FROM EXISTING PANEL "G" IN ELECTRICAL ROOM TO NEW TEMPORARY PANEL "R" NEAR TEMPORARY RESTROOMS. REFER TO PANEL FEEDER SCHEDULE AND ONE-LINE DIAGRAM ON SHEET E.601 FOR CONDUIT AND CONDUCTOR SIZES.
- 3. EXACT ROUTING OF CONDUIT TO BE VERIFIED BY CONTRACTOR. REPAIR/REPLACE ALL EXISTING CONCRETE, SIDEWALKS, LANDSCAPING, ECT DAMAGED BY INSTALLATION AND REMOVE OF TEMPORARY FEEDERS. COORDINATE EXACT INSTALLATION WITH OWNER.
- 4. AT THE COMPLETION OF THE RESTROOM RENOVATION ALL ITEMS SUPPLIED FOR TEMPORARY RESTROOMS SHALL BE REMOVED AND TURNED OVER TO OWNER. CONDUIT CAN BE ABANDONED IN PLACE WITH OWNER APPROVAL.

**ELECTRICAL SITE PLAN**

SCALE: 1/16"=1'-0" 0 8' 16' 32'

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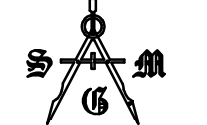
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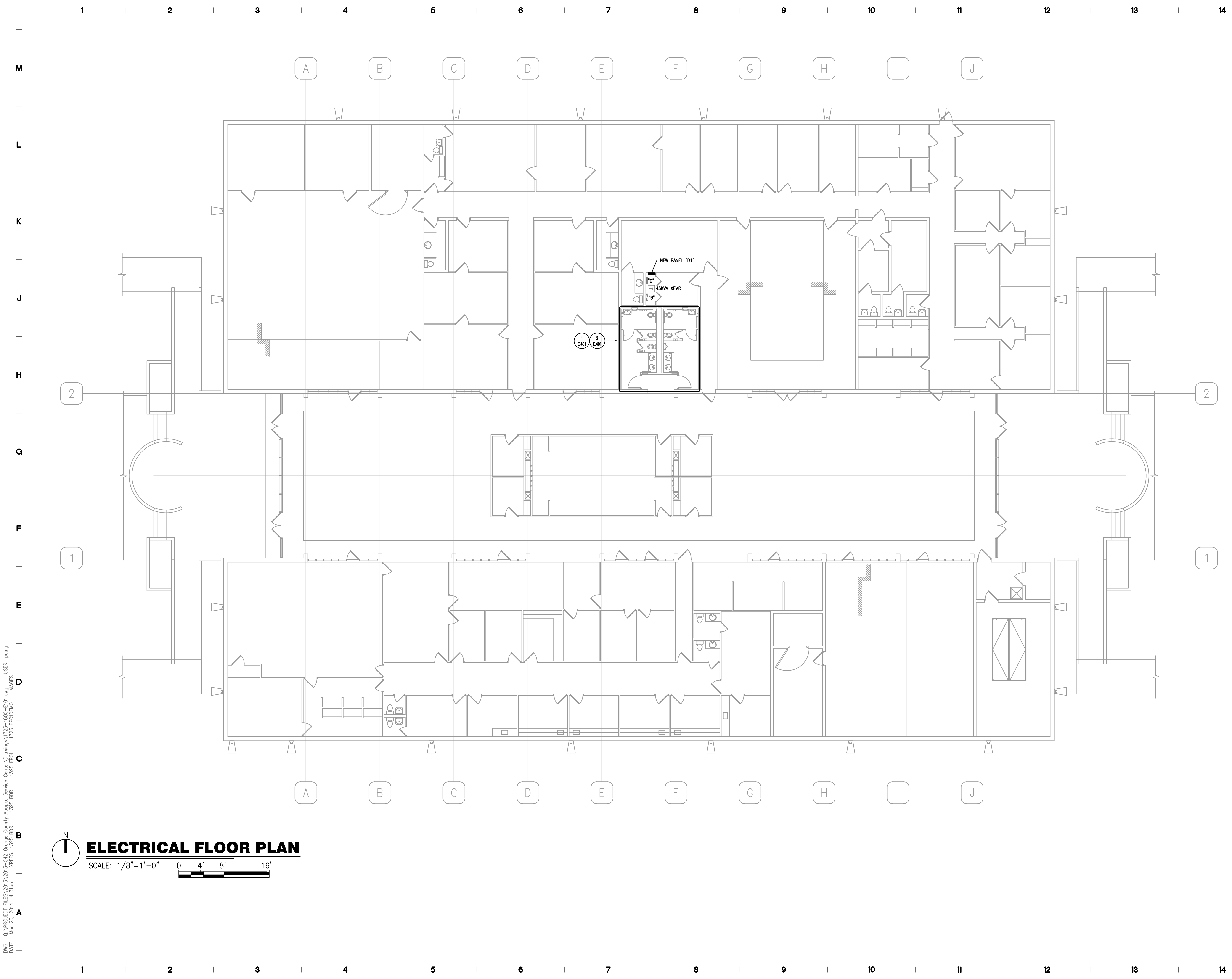
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DRAWING TITLE

**ELECTRICAL FLOOR  
PLAN**

DRAWING NUMBER

**E.301**



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**ELECTRICAL FLOOR PLAN**  
SCALE: 1/8"=1'-0" 0 4' 8' 16'



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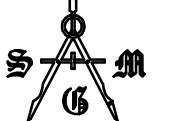
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**ENLARGED  
ELECTRICAL PLAN**

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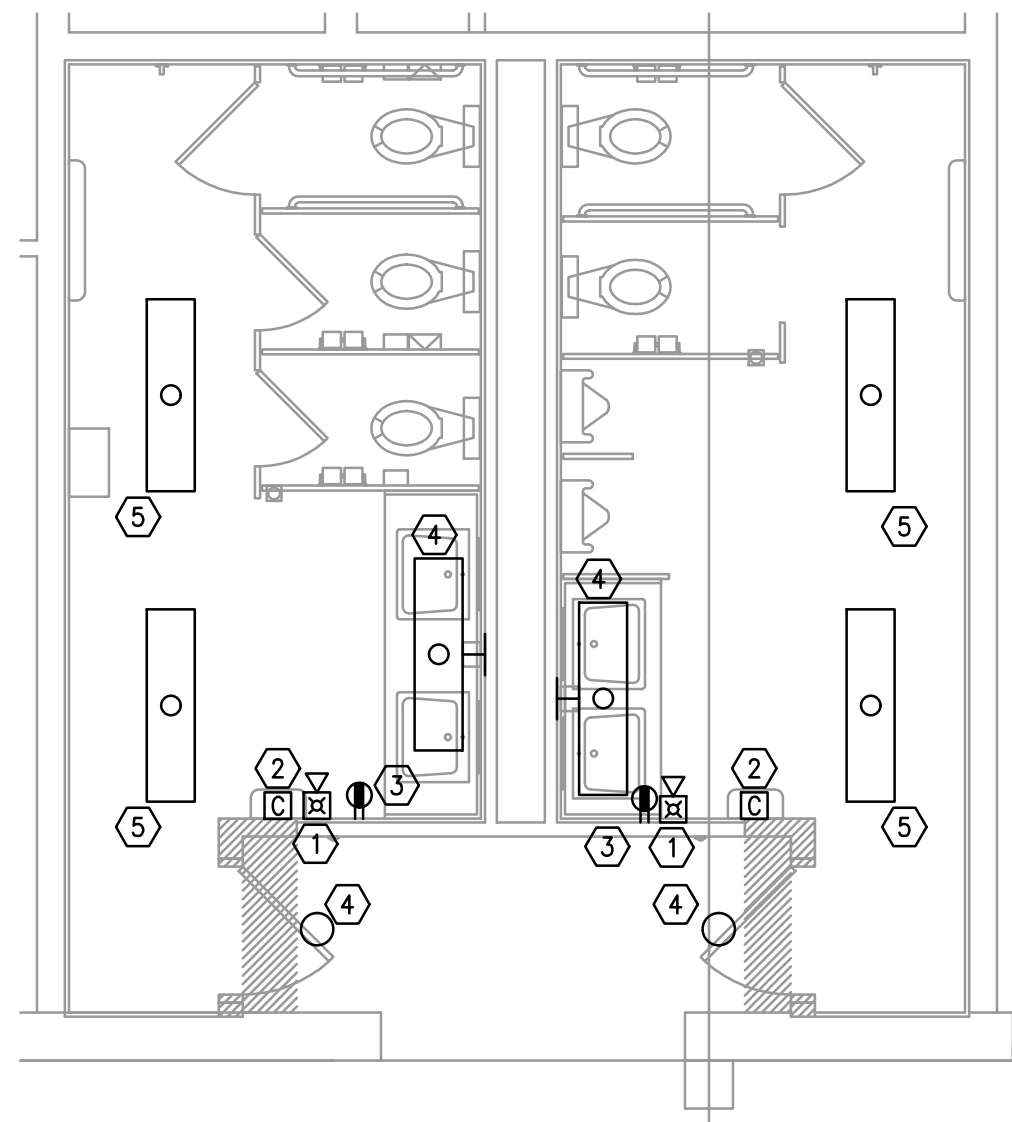
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LIGHTING FIXTURE SCHEDULE							
TYPE	DESCRIPTION	APPROVED SUBSTITUTE	DESIGN SELECTION	APPROVED SUBSTITUTE	VOLTS	LAMPS/FIXTURE	INPUT WATTAGE
FB	FLUORESCENT 1'x4' TROFFER, (2) LAMP, PROGRAMMED START BALLAST, A12.125 LENS, DRY WALL FLANGE KIT	WILLIAMS 50G-S14-232-SA12125-EBBP-UNV	COLUMBIA ST814-232F-FSA12125-EPU	LITHONIA SP8 F232 A12125 MVOLT GEB10RS	120/277V	(2) 32W T8 841	61W
EM1	THERMOPLASTIC EMERGENCY BATTERY UNIT, NICKEL CADMIUM 90 MINUTE BATTERY MINIMUM WITH SELF TEST, WIRE GUARDS FOR GYM INSTALLATION	CHLORIDE S25NH12W-AD	DUAL LITE PG-W	LITHONIA ELM627 H1206 N SD	120/277V	INCLUDED	

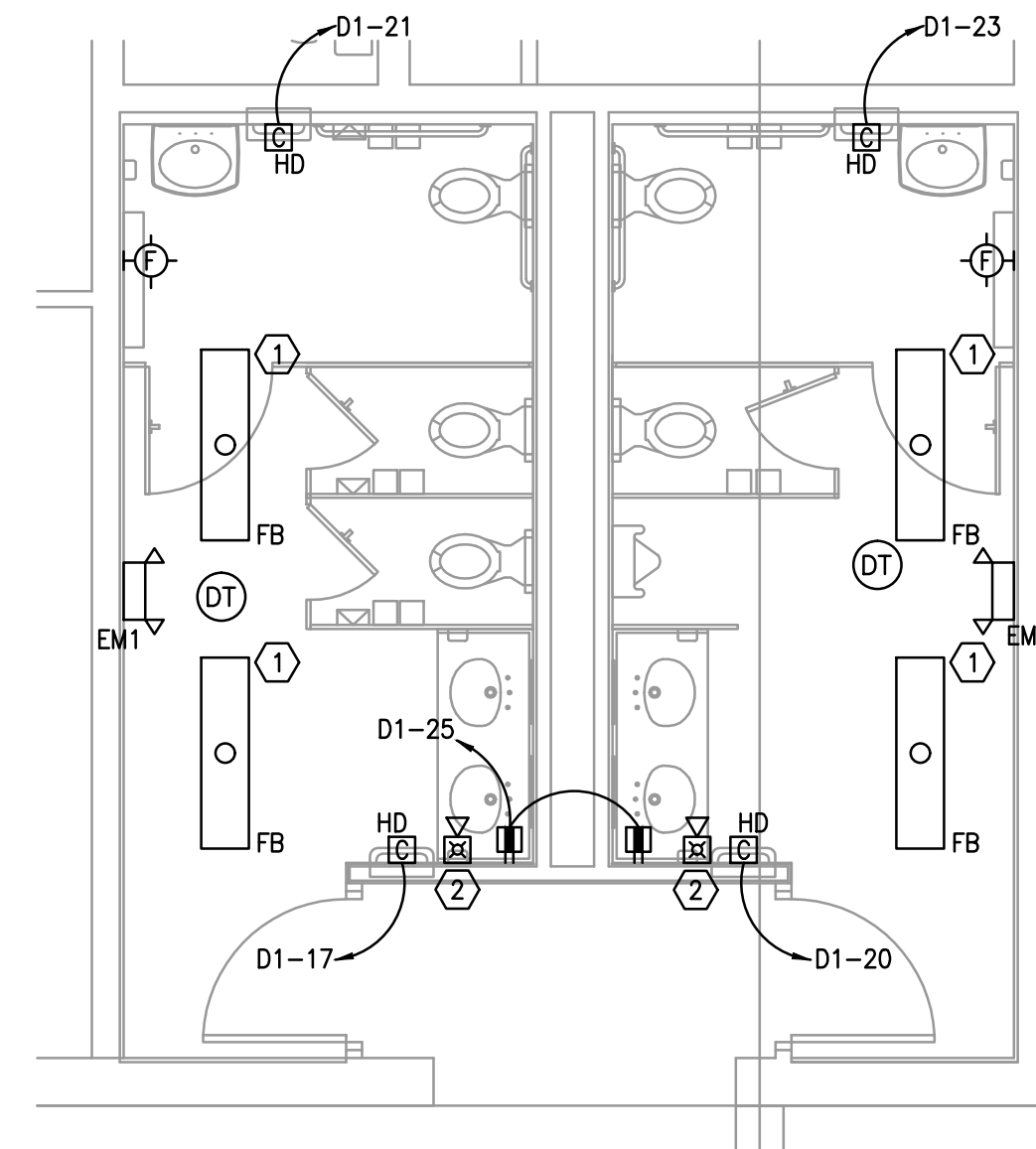


**GENERAL NOTES:**

- a. REFER TO SYMBOL LEGEND AND GENERAL NOTES ON SHEET E.001.
- b. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS TO COORDINATE EXACT PLACEMENT OF ALL DEVICES, EQUIPMENT, FIXTURES, SWITCHES AND OUTLETS.

**PLAN KEY NOTES:**

- 1. REMOVE HORN STROBE DEVICE, MAINTAIN CIRCUIT AND DEVICE FOR RENOVATION.
- 2. REMOVE HAND DRYER SHOWN. MAINTAIN CIRCUIT FOR RENOVATION.
- 3. REMOVE RECEPTACLE SHOWN. MAINTAIN CIRCUIT FOR RENOVATION.
- 4. REMOVE LIGHT FIXTURE SHOWN, REMOVE WIRING BACK TO SOURCE.
- 5. REMOVE LIGHT FIXTURES SHOWN, MAINTAIN CIRCUIT AND CONTROLS FOR RENOVATION.



**GENERAL NOTES:**

- a. REFER TO SYMBOL LEGEND AND GENERAL NOTES ON SHEET E.001.
- b. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS TO COORDINATE EXACT PLACEMENT OF ALL DEVICES, EQUIPMENT, FIXTURES, SWITCHES AND OUTLETS.
- c. ALL EXPOSED CONDUITS ARE TO BE CONCEALED INSIDE THE WALLS.
- d. NEW FIRE ALARM DEVICES MUST BE COMPATIBLE WITH EXISTING FIRE ALARM SYSTEM.
- e. AT THE END OF CONSTRUCTION, PROVIDE TESTING PER NFPA 72 FOR ALL NEW DEVICES AND EXISTING DEVICES IN THE AREA OF CONSTRUCTION AND A MINIMUM OF 10% OF DEVICES ON THE EXISTING SYSTEM.

**PLAN KEY NOTES:**

- 1. CONNECT NEW LIGHTING FIXTURES TO CIRCUIT PREVIOUSLY SERVING THIS AREA.
- 2. PROVIDE SYNCHRONIZATION MODULE FOR NOTIFICATION APPLIANCES WITHIN RESTROOM.

**1 ENLARGED DEMOLITON PLAN**  
E.102 1/4"=1'-0"

**2 ENLARGED DEMOLITON PLAN**  
E.102 1/4"=1'-0"

**E.401**

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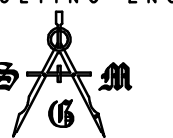
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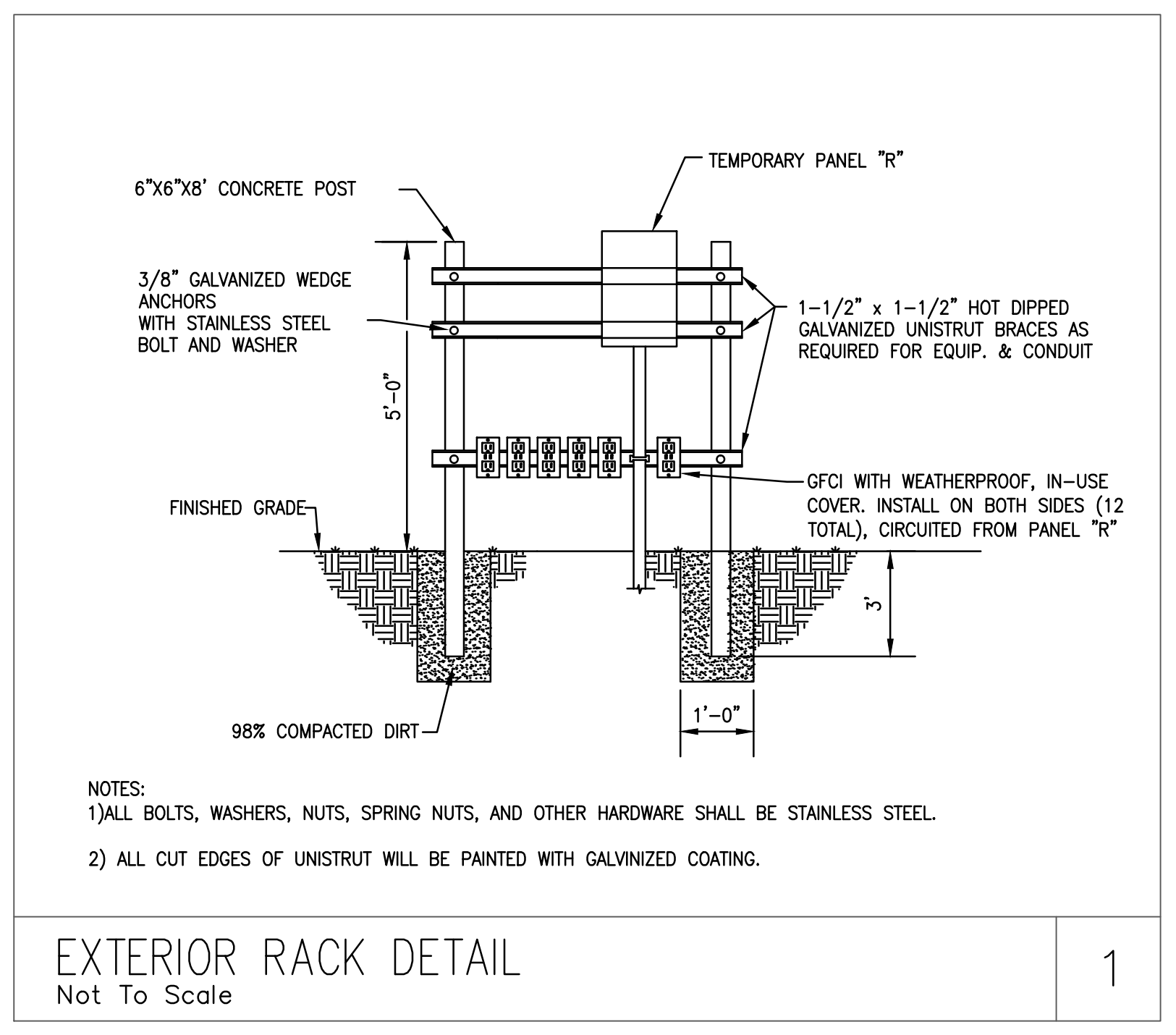
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**ELECTRICAL DETAILS**

DRAWING NUMBER

**E.801**



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