

# OCOEE 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

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

475 WEST STORY ROAD  
OCOEE, FL 34761

**PERMIT/BID SUBMITTAL**  
CONSULTANTS

SEAL AND SIGNATURE

PETER M. IKEGAMI  
FL. LIC. # AR 0013065

REVISIONS

DRAWN BY

RJV

CHECKED BY

PMI

JOB NUMBER

1326

DATE

MARCH 20, 2014

DRAWING TITLE

**COVER SHEET**

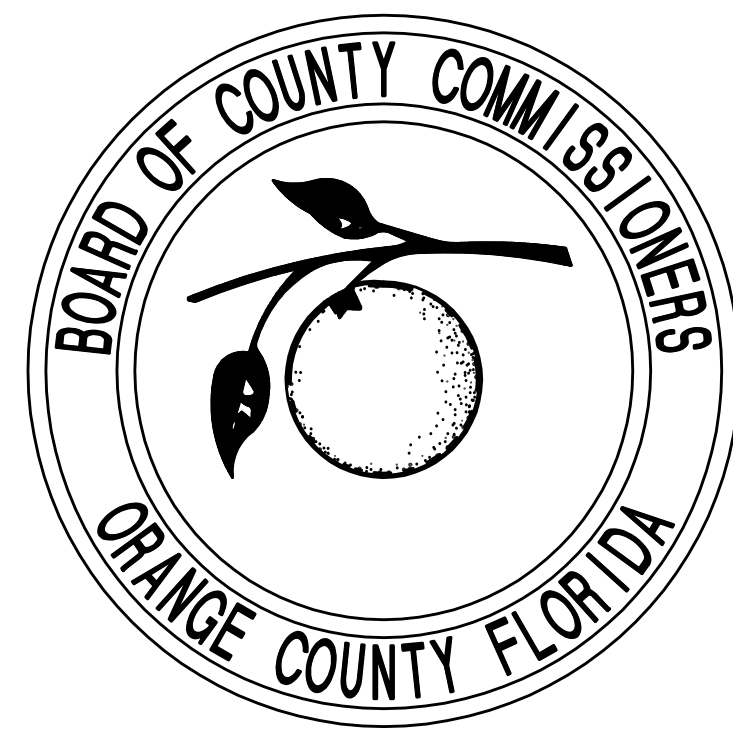
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**C.0**

SHEET OF

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MAYOR  
TERESA JACOBS



COMMISSIONER  
S. SCOTT BOYD  
DISTRICT 1

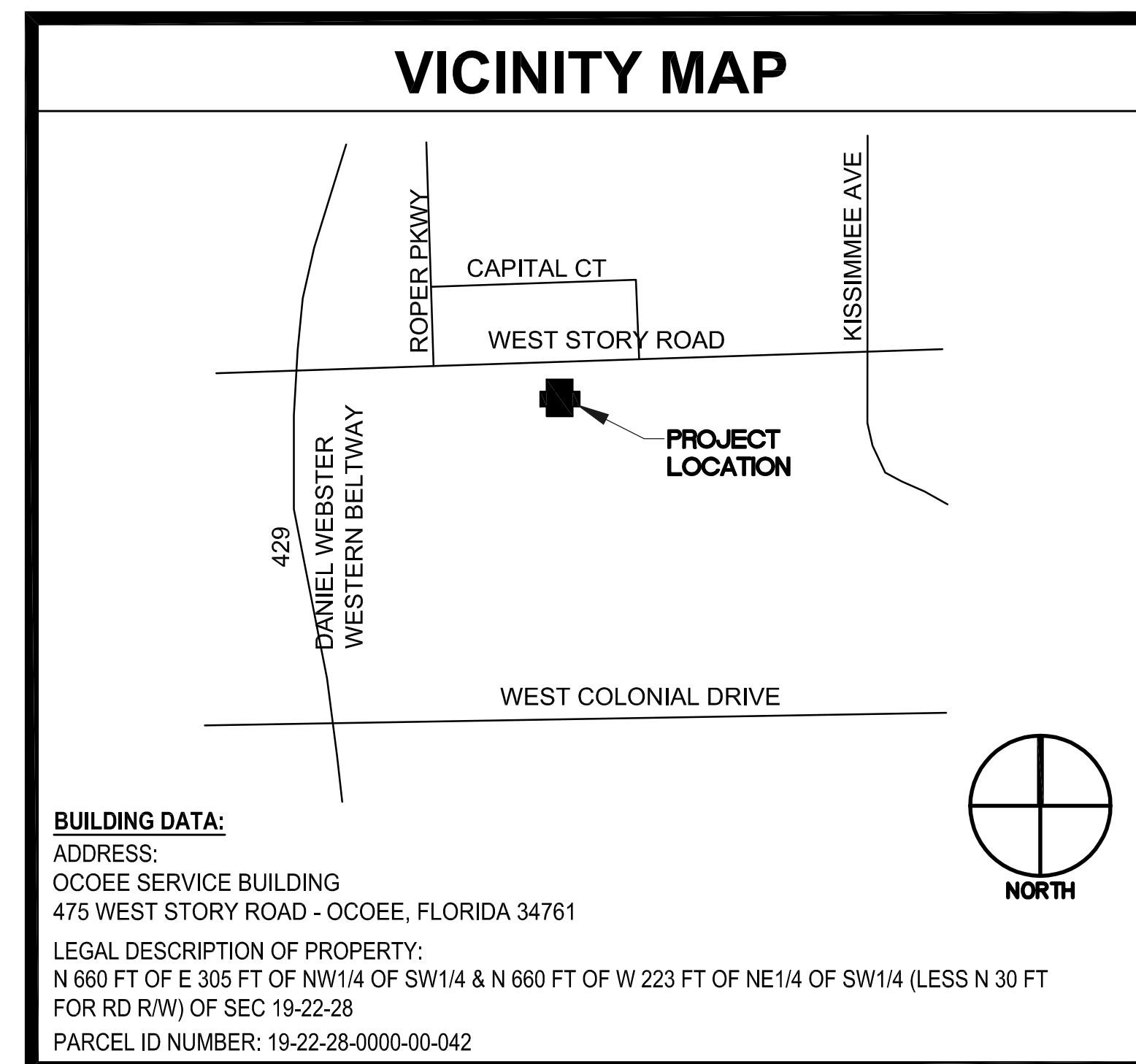
COMMISSIONER  
FRED BRUMMER  
DISTRICT 2

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JENNIFER THOMPSON  
DISTRICT 4

COMMISSIONER  
TED B. EDWARDS  
DISTRICT 5

COMMISSIONER  
TIFFANY MOORE-RUSSELL  
DISTRICT 6



### CODE DATA

**CODE REFERENCE:**  
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

**SCOPE OF WORK:**  
INTERIOR RENOVATIONS TO AN EXISTING 29,400 SQUARE FOOT BUILDING.

**GENERAL DESCRIPTION:**  
THE SCOPE OF WORK INCLUDES THE COMPLETE RENOVATIONS TO THE EXISTING PUBLIC RESTROOM FACILITIES, TO COMPLY WITH ADA ACCESSIBILITY CODE.  
  
THE REMOVAL OF ALL EXISTING PLUMBING FIXTURES, TOILET PARTITIONS, AND ALL INTERIOR FINISHES; FLOOR, WALLS AND CEILINGS WITHIN THESE RENOVATED AREAS.

MECHANICAL, ELECTRICAL AND FIRE PROTECTION TO BE REVISED WITHIN THESE RENOVATED AREAS.

**LEVEL OF ALTERATION:**  
FLORIDA EXISTING BUILDING CODE 2010  
SECTION 404 LEVEL 2

**TYPE OF CONSTRUCTION:**  
FBC 2010: TYPE IIB (EXISTING AND UNCHANGED)

**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

**OCCUPANCY CLASSIFICATION:**  
FBC 2010: BUSINESS (EXISTING AND UNCHANGED)

**OCCUPANCY LOAD:**  
FBC 2010: 1 OCCUPANT /100SF = 294 OCCUPANTS (EXISTING AND UNCHANGED)

**PLUMBING CALCULATIONS:**  
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

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

DRINKING FOUNTAINS (EXISTING AND UNCHANGED)

### 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		
A8.1	SCHEDULES, INTERIOR FINISH LEGEND AND DETAILS	03-25-14		
A8.2	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				

SHEET EXTERNAL REFERENCES:

SHEET FILENAME: 0927 00.2

DWG: P:\1326 - Ocoee Service Center Restroom Modification\1326 - Dwg\1326 - C-0.dwg  
DATE: Mar 20, 2014 9:21am  
USER: MRI  
PROJECT: 0927 00.2

**ABBREVIATIONS**

<b>M</b>	⊙	AT	ID	INSIDE DIAMETER
	ACT	ACOUSTICAL TILE	IN	INCH
	AD	AREA DRAIN	INSUL	INSULATE(D)(ION)
	AE	ARCHITECT-ENGINEER	INT	INTERIOR
	AFF	ABOVE FINISHED FLOOR	JT	JOINT
	AHU	AIR HANDLING UNIT	L	LENGTH
	ALUM	ALUMINUM	LAV	LAVATORY
	APPROX	APPROXIMATE	LF	LINEAL FEET
<b>L</b>	ARCH	ARCHITECT(URAL)		
	BD	BOARD	MAX	MAXIMUM
	BIT	BITUMINOUS	MECH	MECHANIC(AL)
	BLDG	BUILDING	MTL	METAL
	BLK	BLOCK	MFR	MANUFACTURE(R)
	BLKG	BLOCKING	MIN	MINIMUM
	BM	BEAM	MISC	MISCELLANEOUS
<b>K</b>	BOT	BOTTOM	MO	MASONRY OPENING
	BRG	BEARING	N	NORTH
	BRK	BRICK	NA	NOT APPLICABLE
	BUR	BUILT UP ROOFING	NIC	NOT IN CONTRACT
	CEM PL	CEMENT PLASTER	NO	NUMBER
	CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED	NOM	NOMINAL
			NTS	NOT TO SCALE
<b>J</b>	CHEM	CHEMICAL	OC	ON CENTER(S)
	CJ	CONTROL JOINT/ CONSTRUCTION JOINT	OD	OUTSIDE DIAMETER
	CL	CENTER LINE	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
	CLG	CEILING	OFOI	OWNER FURNISHED OWNER INSTALLED
	CMU	CONCRETE MASONRY UNIT	OFCRI	OWNER FURNISHED CONTRACTOR ROUGH IN
	COL	COLUMN	OH	OVERHEAD
	CONC	CONCRETE	OPH	OPPOSITE HAND
<b>H</b>	CONF	CONFERENCE	OPP	OPPOSITE
	CONT	CONTINUE(OUS)		
	CPT	CARPET(ED)	PL	PLATE
	CT	CERAMIC TILE	PLAM	PLASTIC LAMINATE
	DEMO	DEMOLISH(TION)	PR	PAIR
	DET	DETAIL	PT	PRESSURE TREATED
	DF	DRINKING FOUNTAIN	QT	QUARRY TILE
	DIA	DIAMETER		
<b>G</b>	DIM	DIMENSION	R	RISER/RADIUS
	DIV	DIVISION	RD	ROOF DRAIN
	DN	DOWN	REC	RECESSED
	DR	DOOR	REINF	REINFORCE(D)(ING)
	DWG	DRAWING(S)	REQ	REQUIRED
	E	EAST	RES	RESILIENT
	EA	EACH	REV	REVISE(SION)(D)
<b>F</b>	EJ	EXPANSION JOINT	RM	ROOM
	EL	ELEVATION	RO	ROUGH OPENING
	ELEC	ELECTRIC(AL)	S	SOUTH
	ELEV	ELEVATOR	SC	SOLID CORE
	EQ	EQUAL	SECT	SECTION
	EQUIP	EQUIPMENT	SIM	SIMILAR
	EWC	ELECTRIC WATER COOLER	SPEC	SPECIFICATION(S)
	EXIST	EXISTING	SQ	SQUARE
<b>E</b>	EXP	EXPOSED	SS	STAINLESS STEEL
	EXT	EXTERIOR	STRUCT	STRUCTURAL
	FDN	FOUNDATION	SYS	SYSTEM
	FDB	FIRE DEPARTMENT BOX	T	TREAD
	FE	FIRE EXTINGUISHER	TG	TEMPERED GLASS
	FEC	FIRE EXTINGUISHER CABINET	THK	THICK(NESS)
	FF	FINISHED FLOOR	TO	TOP OF
<b>D</b>	FHC	FIRE HOSE CABINET	TYP	TYPICAL
	FIN	FINISH(ED)	UC	UNDERCUT
	FIXT	FIXTURE	UL	UNDERWRITERS LABORATORY
	FL	FLOOR	UON	UNLESS OTHERWISE NOTED
	FO	FACE OF	VCT	VINYL COMPOSITION TILE
	FT	FOOT/FEET	VERT	VERTICAL
	FTG	FOOTING	VTR	VENT THRU ROOF
			WVC	VINYL WALL COVERING
<b>C</b>	GA	GAGE/GAUGE	W	WEST/WIDTH
	GALV	GALVANIZED	WTH	WITH
	GL	GLASS/GLAZING	W/O	WITHOUT
	GWB	GYPSUM WALL BOARD	WPT	WORK POINT
	GYP	GYPSUM		
	HA	HANDICAP ACCESSIBLE		
	HDW	HARDWARE		
	HM	HOLLOW METAL		
<b>B</b>	HR	HOUR		
	HT	HEIGHT/HIGH		
	HVAC	HEATING, VENTILATING AND AIR CONDITIONING		

**GENERAL SYMBOLS AND LEGENDS**

	<b>DETAIL</b> A1 A6.1 3/4"=1'-0"	DETAIL TITLE		CENTERLINE
	A3 A7.5	DETAIL REFERENCE		WORK ABOVE
	B1 A4.1	BUILDING SECTION REFERENCE		HIDDEN WORK
	B1 A4.1	SECTION REFERENCE		BREAK LINE
	A1 A3.1	BUILDING ELEVATION REFERENCE		EXISTING PARTITION TO REMAIN
	TYPICAL: A3 A7.5	DETAIL/SECTION NUMBER SHEET WHERE DRAWN		NEW PARTITION
	REVISION			EXISTING PARTITION TO BE REMOVED
	PARTITION TYPES			EXISTING DOOR TO REMAIN
	LEADER OR NOTATION			DOOR
	INTERIOR ELEVATIONS a - SHEET NORTH b - SHEET EAST c - SHEET SOUTH d - SHEET WEST			EXISTING DOOR, FRAME AND HARDWARE TO BE REMOVED
	DEMOLITION KEY NOTES			DOOR W/180° SWING
	NEW CONSTRUCTION KEY NOTES			PAIR OF DOORS
	TOILET ACCESSORY TYPES			DOUBLE ACTING
	DOOR TAG			BI-FOLD DOORS
	NORTH ORIENTATION IN PLAN			SLIDING DOORS
	ROOM NAME ABOVE ROOM NUMBER MIDDLE			SLIDING DOORS
	WINDOW			ACCESS PANEL
	WINDOW			INCANDESCENT LIGHT FIXTURE
	WINDOW			FLUORESCENT LIGHT FIXTURE
	LOUVER			SUPPLY AIR DIFFUSER
	LOUVER			RETURN AIR REGISTER
	LOUVER			EXHAUST AIR REGISTER
	SPRINKLER HEAD			SPRINKLER HEAD
	EXIT LIGHT			EXIT LIGHT

**GENERAL NOTES**

- THE FOLLOWING GENERAL NOTES SHALL PERTAIN TO THE ENTIRE SET OF PRODUCED CONTRACT DOCUMENTS. REFER TO THE SHEET INDEX.
- GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL PERFORM THEIR WORK IN ACCORDANCE WITH ALL APPLICABLE CODES GOVERNING EACH TRADE.
  - EACH CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF DEMOLITION OR THE INITIATION OF WORK AND SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES OR CONDITIONS INTERFERING WITH THE ABILITY OF THE CONTRACTOR TO COMPLETE WORK AS OUTLINED ON THE CONSTRUCTION DRAWINGS.
  - ALL SUBCONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH OTHER TRADES. LACK OF THIS COORDINATION RESULTING IN ADDED COST TO THE CONTRACT WILL BE BORNE BY THE SUBCONTRACTOR.
  - CUTTING OF EXISTING CONSTRUCTION FOR THE INSTALLATION OF ALL NEW WORK BY ALL TRADES, AND THE SUBSEQUENT PATCHING THEREOF, SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR, WHETHER THE WORK IS DONE BY HIS OWN FORCES OR NOT. GRINDING OF MATERIALS FOR REMOVAL SHALL NOT BE PERMITTED. CUTTING SHALL BE TO STRAIGHT LINE. UNWORKMANLIKE CUTTING, DAMAGE RESULTING THEREFROM AND UNACCEPTABLE PATCHING SHALL BE REPAIRED AND/OR REPLACED TO AN ACCEPTABLE CONDITION APPROVED BY THE ARCHITECT.
  - NO EXISTING (LOAD BEARING) STRUCTURAL MEMBER SHALL BE CUT, REMOVED, AND/OR MODIFIED (UNLESS SPECIFIED IN THE CONSTRUCTION DOCUMENTS) WITHOUT THE WRITTEN APPROVAL OF THE COUNTY REPRESENTATIVE.
  - DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE ARCHITECT BEFORE CONTINUING WITH CONSTRUCTION.
  - 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.
  - EACH CONTRACTOR SHALL VERIFY DIMENSIONS IN THE FIELD PRIOR TO FABRICATION OF WORK.
  - CONTRACTOR SHALL OBTAIN ALL PERMITS NECESSARY TO PERFORM THE PROJECT.
  - THE CONTRACTOR SHALL COORDINATE THE SEQUENCE OF WORK WITH THE COUNTY REPRESENTATIVE.
  - PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL SUBMIT (2) COPIES OF MATERIAL SAFETY DATA SHEETS (MSDS) FOR ALL PRODUCTS USED TO PERFORM THE WORK.
  - THE CONTRACTOR WILL VERIFY THAT EXIT EGRESS IS MAINTAINED FOR ALL OCCUPIED AREAS OF THE BUILDING THROUGHOUT ALL PHASES OF CONSTRUCTION.
  - GENERAL CONTRACTOR TO HAVE PORTABLE FIRE EXTINGUISHERS PLACED ON FLOOR DURING CONSTRUCTION.
  - SCHEDULE & PERFORM ALL CONSTRUCTION WORK SUCH THAT SECURITY OF THE BUILDING IS MAINTAINED 100% OF THE TIME THROUGHOUT THE CONSTRUCTION PERIOD. COORDINATE WITH AND FOLLOW COUNTY REPRESENTATIVE DIRECTIONS.
  - TEMPORARY BARRICADES AND OTHER SAFETY MEASURES SHALL BE ERECTED AROUND HAZARDOUS AREAS IN ACCORDANCE WITH ALL APPLICABLE CODES AND ORDINANCES.
  - COORDINATE EXACT LOCATION OF CONSTRUCTION DUST PARTITION WITH COUNTY REPRESENTATIVE. NO DEMOLITION WORK TO COMMENCE UNTIL DUST PARTITION, AND CONTROL MEASURES ARE COMPLETELY INSTALLED AND APPROVED BY COUNTY REPRESENTATIVE.
  - CONTRACTOR TO VERIFY OPERATION OF EACH ROOM IN ORDER TO MAINTAIN FUNCTIONS AND OPERATIONS DURING CONSTRUCTION.
  - IN OCCUPIED ROOMS, CONTRACTOR IS RESPONSIBLE OF PROTECTING FURNITURE, FIXTURES AND EQUIPMENT.
  - CONTRACTOR SHALL MAINTAIN A CLEAN AND ORGANIZED JOB SITE ACCEPTABLE TO THE COUNTY REPRESENTATIVE.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL, MECHANICAL, AND PLUMBING DISCONNECTIONS AND RECONNECTIONS AND FOR THE LENGTHENING AND/OR SHORTENING OF ALL CONDUIT, CONDUCTOR, ETC. WHERE NECESSARY TO INSTALL NEW SYSTEMS.
  - ANY EXISTING DISTURBED AND/OR DAMAGED BUILDING MATERIAL AND FINISHES WITHIN THE AREA OF CONSTRUCTION SHALL BE REPAIRED, AS NECESSARY, TO MATCH EXISTING ADJACENT MATERIALS AS CLOSELY AS POSSIBLE IN COLOR, PATTERNS, AND/OR TEXTURES.
  - THE CONTRACTOR SHALL REPORT DETERIORATED OR UNSUITABLE SUBSTRATES TO THE COUNTY REPRESENTATIVE PRIOR TO PERFORMING INSTALLATION WORK.
  - SEAL ALL PENETRATIONS IN WALLS, FLOORS, CEILINGS - FOR AIR, WATER AND/OR FIRE PROTECTION AS SPECIFIED IN CONSTRUCTION DOCUMENTS.
  - CAULK JOINTS OF DISSIMILAR EXPOSED TO VIEW MATERIALS AS REQUIRED BY THE PROJECT SPECIFICATIONS.
  - SEALANT SHALL BE COMPATIBLE WHERE IN CONTACT W/ ONE ANOTHER.
  - ISOLATE ALL DISSIMILAR METALS.

**DEMOLITION GENERAL NOTES**

- THE FOLLOWING DEMOLITION GENERAL NOTES SHALL PERTAIN TO THE ENTIRE SET OF PRODUCED CONTRACT DOCUMENTS. REFER TO THE SHEET INDEX.
- PATCH AND REPAIR EXISTING SURFACES AFFECTED BY REMOVAL OF ADJACENT CONSTRUCTION OR FINISHES. PREPARE TO RECEIVE NEW WORK.
  - CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AFFECTING EXISTING CONSTRUCTION ELEMENTS. DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE ARCHITECT PRIOR TO CONTINUING CONSTRUCTION OF AREA IN QUESTION.
  - PROJECT SPECIFICATIONS CONTAIN ADDITIONAL DEMOLITION AND REPAIR PROCEDURES AND REQUIREMENTS.
  - CONTRACTOR TO VERIFY CONSTRUCTION OF EXISTING WALLS TO BE INFILLED AND ADJUST SIZES OF SPECIFIED MATERIALS TO ALIGN FINISH MATERIALS.
  - SEE FINISH LEGEND FOR ADDITIONAL INFORMATION ON FINISHES.
  - PROVIDE LEVELING COMPOUND AT FLOOR AREAS DAMAGED OR CHIPPED DURING DEMOLITION WHERE REQUIRED TO PROVIDE LEVEL, CONTINUOUS FLOOR SURFACE.
  - NO EXISTING (LOAD BEARING) STRUCTURAL MEMBER SHALL BE CUT, REMOVED, AND/OR MODIFIED (UNLESS SPECIFIED IN THE CONSTRUCTION DOCUMENTS) WITHOUT THE WRITTEN APPROVAL OF THE COUNTY REPRESENTATIVE. ANY EXISTING DISTURBED AND/OR DAMAGED SURFACES (I.E. GYPSUM BOARD, PLASTER, STUCCO, CONCRETE, WOOD, PAINT, ETC.) WITHIN THE AREA OF CONSTRUCTION SHALL BE REPAIRED, AS NECESSARY, TO MATCH EXISTING FINISHES.
  - AFTER COMPLETION OF CONSTRUCTION, ALL WORK AREAS SHALL BE LEFT CLEAN AND FREE OF ANY EXTRANEIOUS JOINT COMPOUND, PLASTER, STUCCO, PAINT SMEARS OR SPLATTERS AND STAINS.



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**G1.1**

SHEET OF  
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SHEET FILENAME: 0927.G0.2

SHEET EXTERNAL REFERENCES:

USER: MRI

DATE: Mar 18, 2014 3:01pm

PROJECT: 1326 BDR IMAGES

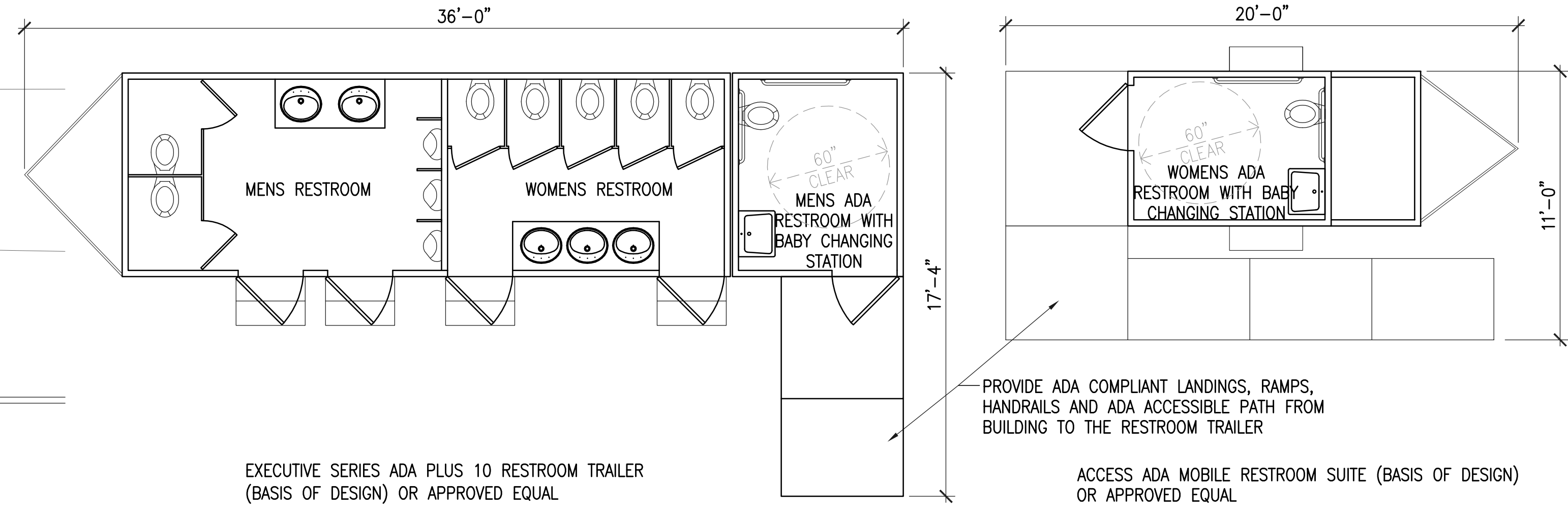
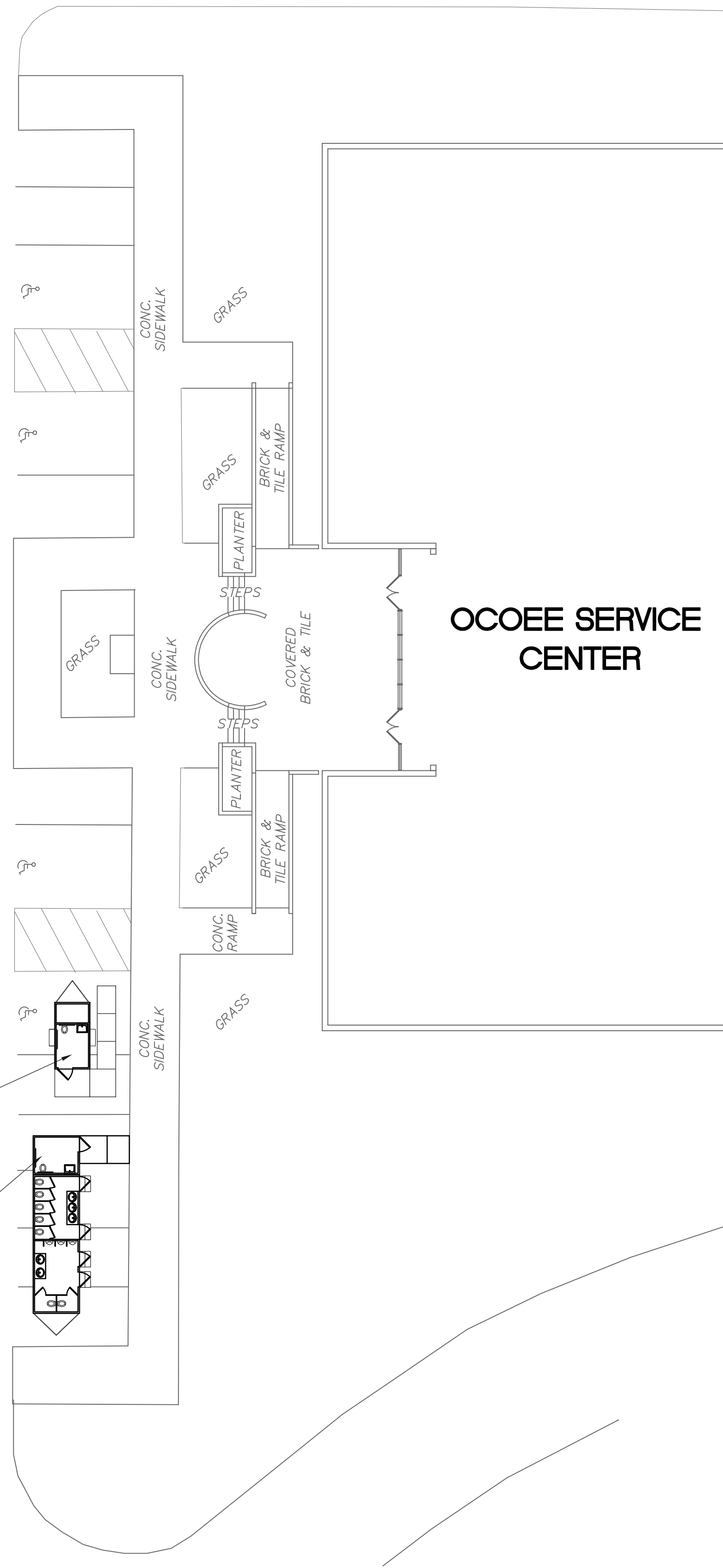
DRWG: P:\1326 - Ocoee Service Center Restroom Modification\1326 - Ocoee\1326 - G1.1.dwg

DWG: P:\1326 - Ocoee Service Center Restroom Modification\1326 - DWG\1326 - A1.0.dwg USER: MRI  
 DATE: Aug 23, 2014 2:11pm ADRS: Portable Restroom Trailers New Access ADA  
 D: P:\1326 - Ocoee Service Center Restroom Modification\1326 - DWG\1326 - A1.0.dwg USER: MRI  
 DATE: Aug 23, 2014 2:11pm ADRS: Portable Restroom Trailers New Access ADA  
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 G: ADA+ 10 2.jpg  
 H: ADA+ 10 3.jpg  
 I: ADA+ 10 4.jpg  
 J: ADA+ 10 5.jpg  
 K: Portable Restroom Trailers New Access ADA 2.jpg  
 L: ADA+ 10 6.jpg  
 M:



ACCESS ADA MOBILE RESTROOM SUITE (BASIS OF DESIGN) OR APPROVED EQUAL. SEE DETAIL 3/A1.0

EXECUTIVE SERIES ADA PLUS 10 RESTROOM TRAILER (BASIS OF DESIGN) OR APPROVED EQUAL. SEE DETAIL 2/A1.0



2  
A1.0 SCALE: 1/4"=1'-0"  
TEMPORARY RESTROOM TRAILER



EXTERIOR PHOTO: EXECUTIVE SERIES ADA PLUS 10 RESTROOM TRAILER

3  
A1.0 SCALE: 1/4"=1'-0"  
TEMPORARY RESTROOM TRAILER



EXTERIOR PHOTO: ACCESS ADA MOBILE RESTROOM SUITE RESTROOM TRAILER



INTERIOR PHOTOS: EXECUTIVE SERIES ADA PLUS 10 RESTROOM TRAILER

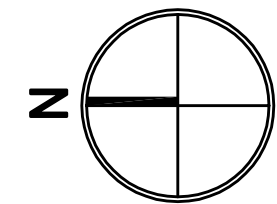


INTERIOR PHOTOS: ACCESS ADA MOBILE RESTROOM SUITE RESTROOM TRAILER

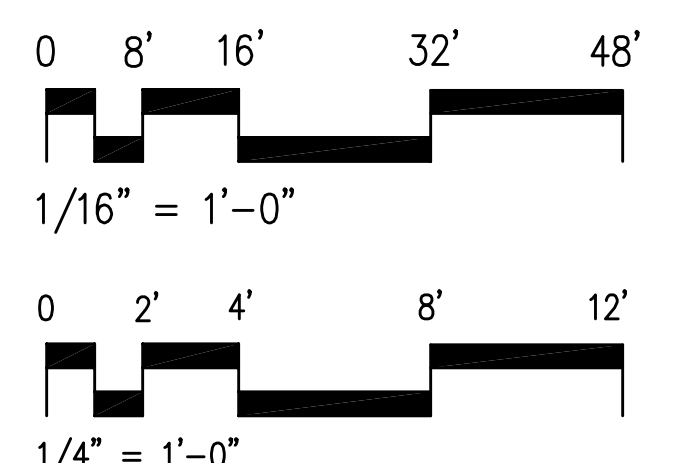
NEW CONSTRUCTION NOTES

- CONTRACTOR SHALL PROVIDE APPROVED TEMPORARY ADA COMPLIANT RESTROOM FACILITIES DURING THE CONSTRUCTION PERIOD UNTIL THE BUILDINGS PUBLIC RESTROOMS ARE BACK IN FULL OPERATION.
- BASIS OF DESIGN FOR TEMPORARY ADA RESTROOM FACILITIES ARE (1) EXECUTIVE SERIES ADA PLUS 10 RESTROOM TRAILER AND (1) ACCESS ADA MOBILE RESTROOM SUITE PROVIDED BY PORTABLE RESTROOM TRAILERS 508-369-0407. ALTERNATE TEMPORARY RESTROOM TRAILER CONFIGURATIONS MUST BE APPROVED BY ORANGE COUNTY AND MUST MEET THE FOLLOWING MINIMUM REQUIREMENTS.
  - MENS FACILITIES MUST PROVIDE:
    - 1 ADA COMPLIANT STALL MINIMUM
    - 1 STANDARD TOILET STALL MINIMUM
    - 1 URINAL MINIMUM
    - 3 LAVATORIES MINIMUM
    - 1 BABY CHANGING STATION
  - WOMENS FACILITIES MUST PROVIDE:
    - 1 ADA COMPLIANT STALL MINIMUM
    - 2 STANDARD TOILET STALLS MINIMUM
    - 3 LAVATORIES MINIMUM
    - 1 BABY CHANGING STATION
- LOCATION OF TEMPORARY RESTROOM FACILITIES MUST HAVE AN ADA ACCESSIBLE PATH FROM THE BUILDING LOCATION TO ALL ENTRY DOORS INTO RESTROOM TRAILERS INCLUDING COMPLIANT RAMPS AND HANDRAILS WHERE NECESSARY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST, SETUP, MAINTENANCE AND OPERATION, CLEANING, SECURITY, PERMITTING, UTILITIES CONNECTIONS ETC OF THE TEMPORARY RESTROOM FACILITIES. TEMPORARY RESTROOM WASTE STORAGE TANK IS TO BE PUMPED OUT ONCE A WEEK MINIMUM. COORDINATE AND VERIFY WITH ORANGE COUNTY REPRESENTATIVE.
- SEE ELECTRICAL AND PLUMBING SITE PLAN SHEETS FOR ADDITIONAL UTILITY CONNECTION INFORMATION.

ALL RESTROOM FACILITIES MUST INCLUDE HEATING AND AIR CONDITIONING, LIGHTING, RUNNING WATER, WASTE STORAGE TANK, TOILET PAPER, PAPER TOWEL AND SOAP DISPENSERS, WASTE RECEPTACLE, MIRROR AND SIGNAGE. UNISEX RESTROOM STALLS WILL NOT BE ACCEPTED.



SCALE



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REVISIONS

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RJV

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MARCH 20, 2014

DRAWING TITLE

LOCATION PLAN

DRAWING NUMBER

A1.0



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COMPLIANT RESTROOM  
RENOVATIONS**

475 WEST STORY ROAD  
OCOEE, FL 34761

**PERMIT/BID SUBMITTAL**  
CONSULTANTS

SEAL AND SIGNATURE

PETER M. IKEGAMI  
FL. LIC. # AR 0013065

REVISIONS

DRAWN BY

RJV

CHECKED BY

MRI

JOB NUMBER

1326

DATE

MARCH 20, 2014

DRAWING TITLE

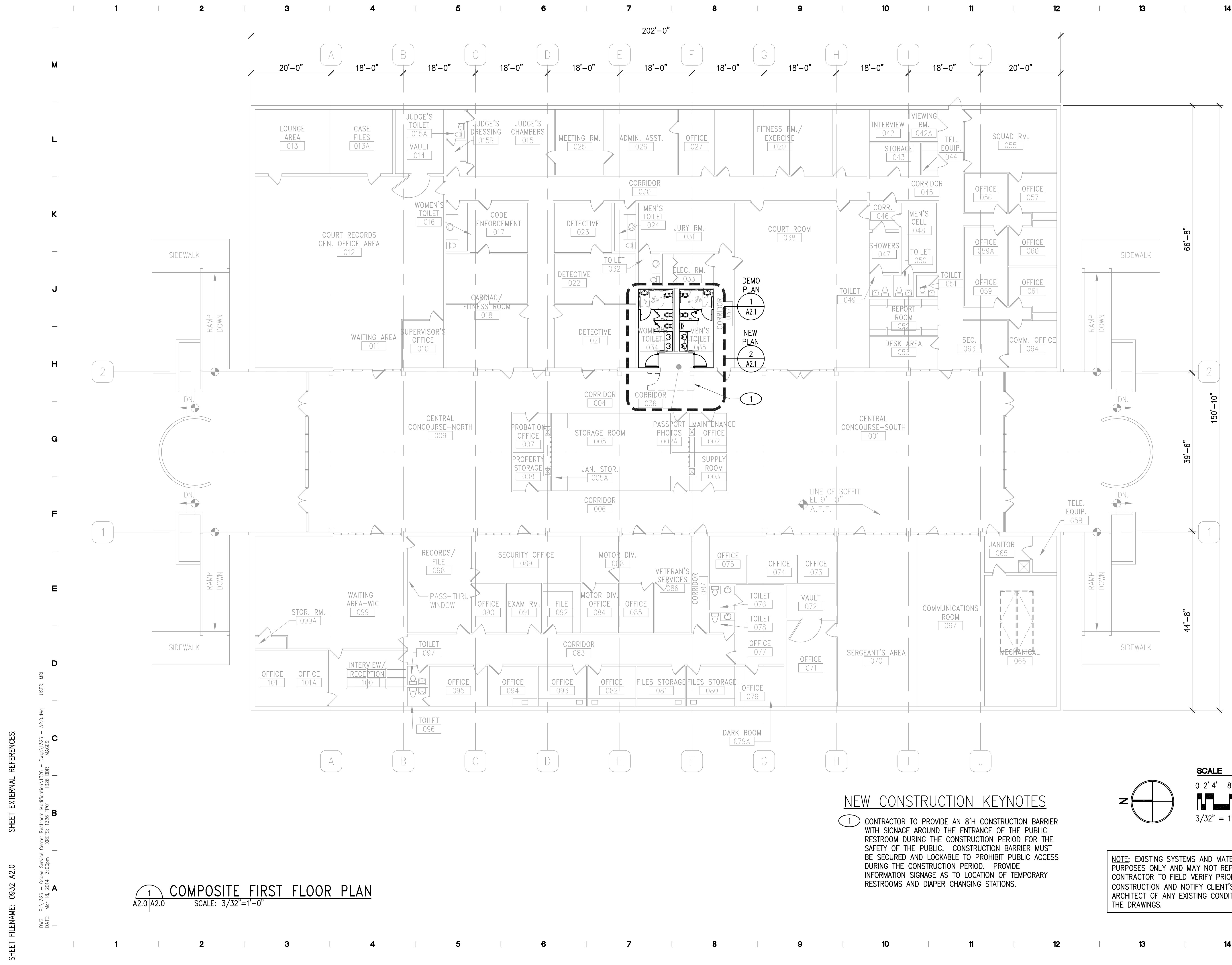
**COMPOSITE FIRST  
FLOOR PLAN**

DRAWING NUMBER

**A2.0**

SHEET OF

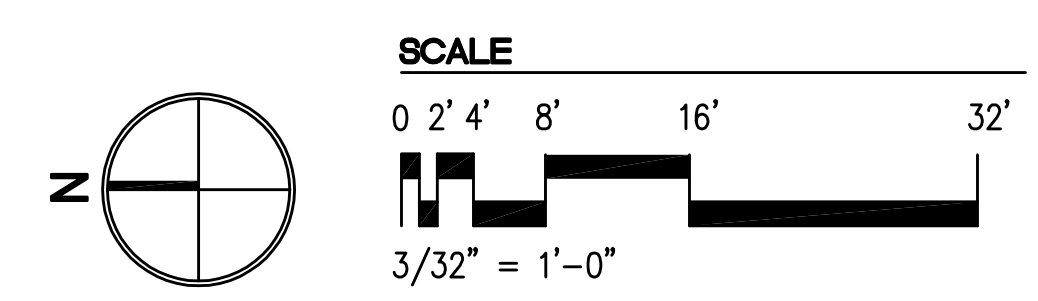
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**COMPOSITE FIRST FLOOR PLAN**  
SCALE: 3/32"=1'-0"

**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: 0932\_A2.0

USER: MRI  
DATE: Mar 18, 2014 3:00pm  
DWG: P:\1326 - Ocoee Service Center Restroom Modification\1326 - Dem\1326 - A2.0.dwg  
PREFS: 1326.FPD 1326.BDR IMAGES:



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ORLANDO, FLORIDA 32804  
(407) 245-3660

FL LIC. # AA0002264  
PROJECT TITLE AND OWNERS NAME

OCOEE SERVICE  
CENTER - ADA  
COMPLIANT RESTROOM  
RENOVATIONS

475 WEST STORY ROAD  
OCOEE, FL 34761

PERMIT/BID SUBMITTAL  
CONSULTANTS

SEAL AND SIGNATURE

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MARCH 20, 2014

DRAWING TITLE

PARTIAL FIRST FLOOR  
PLAN - DEMO AND  
NEW CONSTRUCTION

DRAWING NUMBER

A2.1

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### NEW CONSTRUCTION NOTES

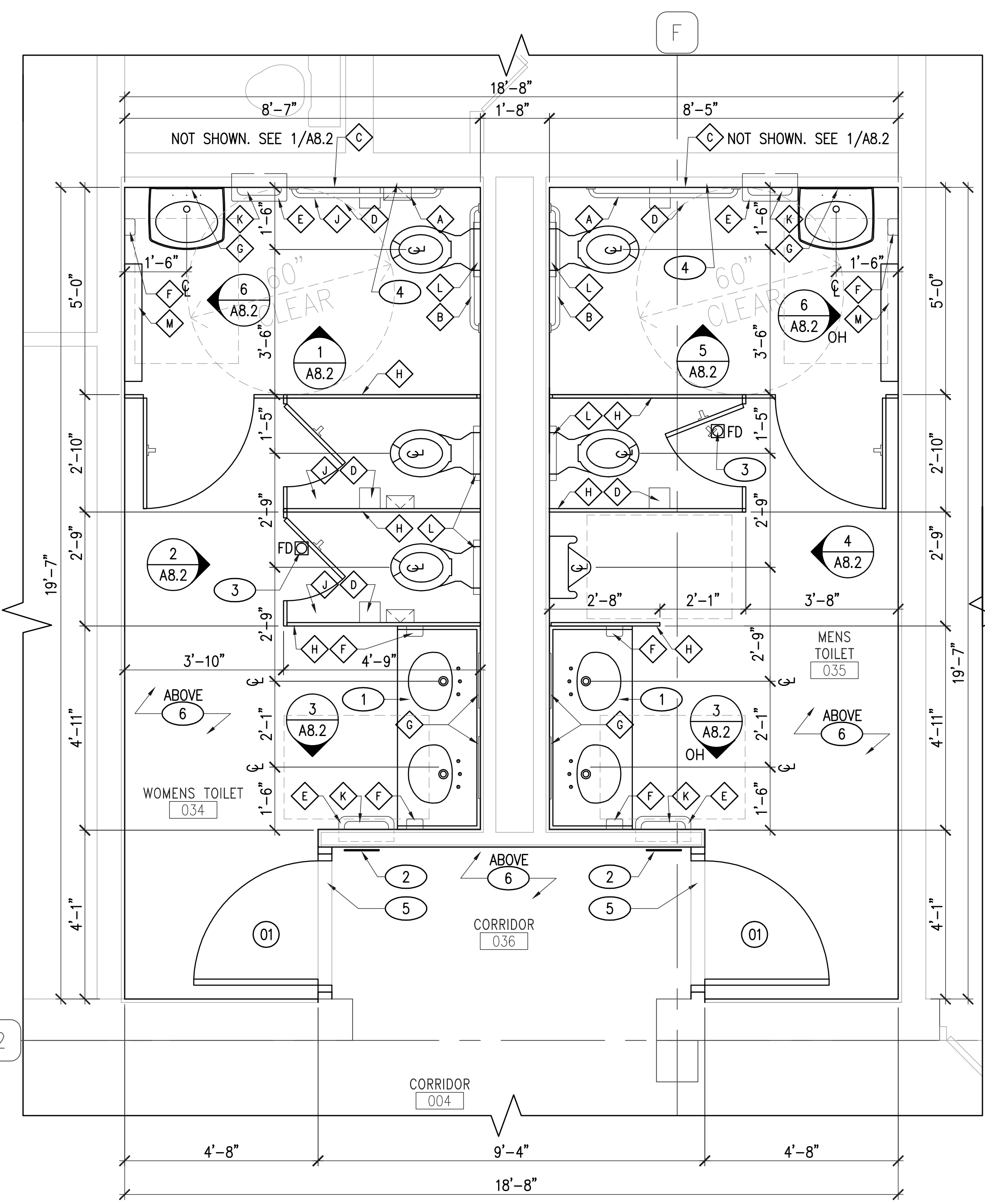
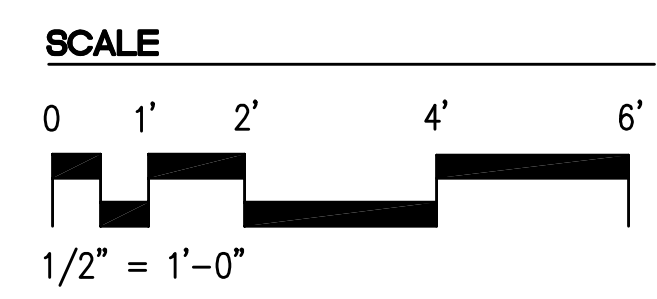
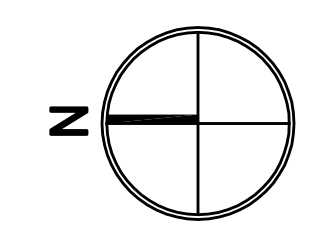
1. ALL DIMENSIONS SHOWN TO NEW PARTITIONS ARE TO FACE OF NEW INTERIOR FINISH MATERIAL ON NEW PARTITION. DIMENSIONS SHOWN TO EXISTING PARTITIONS ARE TO FACE OF EXISTING FINISH.
2. REFER TO INTERIOR FINISH SCHEDULE (SHEET A8.1) FOR ADDITIONAL INFORMATION.
3. ALL PLUMBING FIXTURES SHOWN ARE TO BE NEW. SEE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

### NEW CONSTRUCTION LEGEND

- ⓪ 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.

### TOILET ACCESSORIES LEGEND

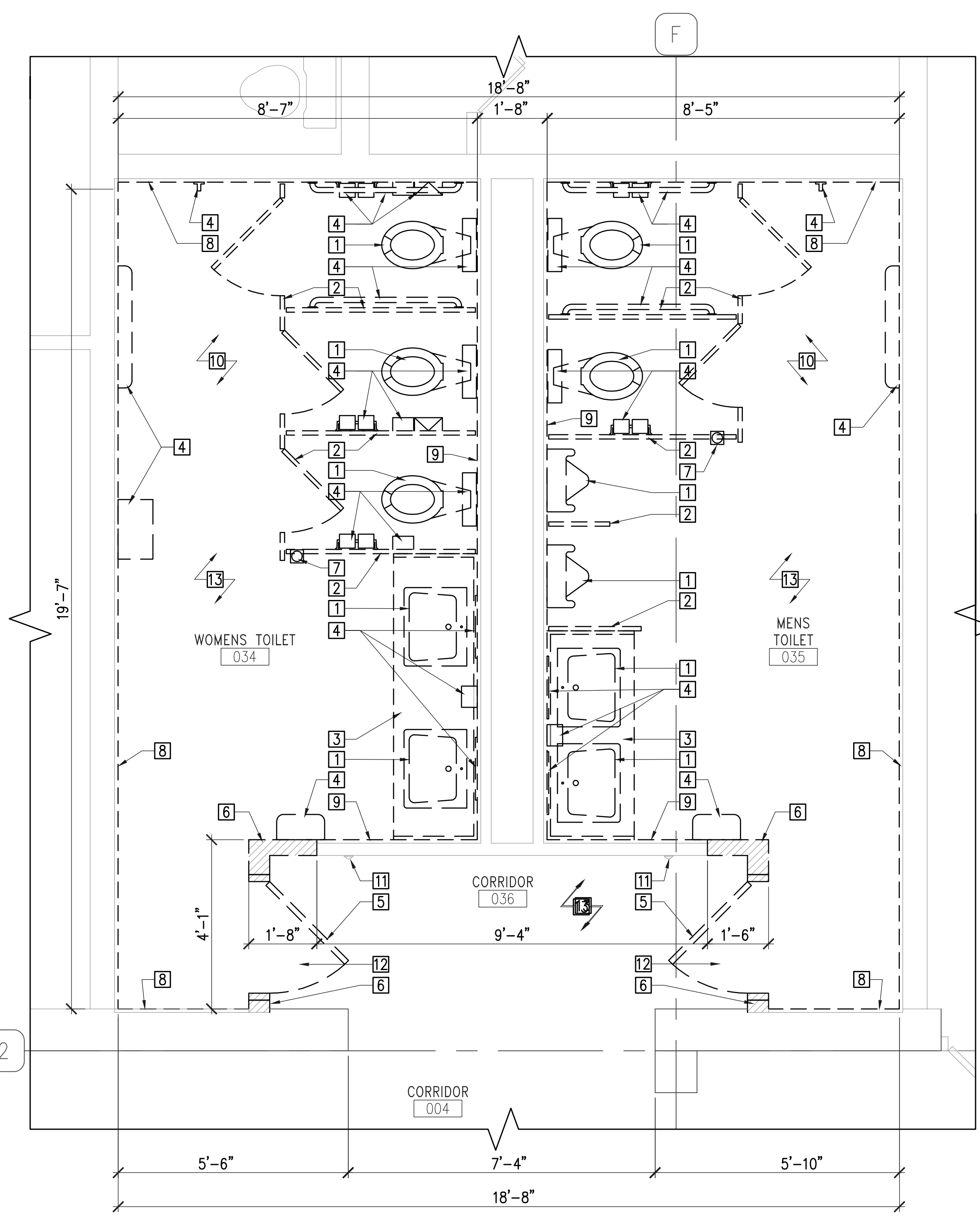
- SEE TOILET ACCESSORIES SCHEDULE (SHEET A8.2) FOR ADDITIONAL INFORMATION
- ⓐ 42" GRAB BAR
  - ⓑ 36" GRAB BAR
  - ⓒ 18" GRAB BAR (SEE ELEVATIONS ON SHEET A8.2 FOR LOCATIONS)
  - ⓓ TOILET TISSUE DISPENSER
  - ⓔ WASTE RECEPTACLE
  - ⓕ AUTOMATIC SOAP DISPENSER
  - ⓖ MIRROR
  - ⓗ TOILET PARTITION
  - ⓙ SANITARY NAPKIN DISPOSAL
  - ⓚ AUTOMATIC HAND DRYER
  - ⓛ SEAT COVER DISPENSER
  - ⓜ BABY CHANGING STATION



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

### 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.



1 FLOOR PLAN - DEMOLITION  
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.

SHEET FILENAME: 0932 A2.1 SHEET EXTERNAL REFERENCES:

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DATE: Mar 20, 2014 10:06am  
USER: MRI  
PLT: MRI



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(407) 245-3660

FL LIC. # AA0002264  
PROJECT TITLE AND OWNER'S NAME

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

475 WEST STORY ROAD  
OCOE, FL 34761

**PERMIT/BID SUBMITTAL**  
CONSULTANTS

SEAL AND SIGNATURE

PETER M. IKEGAMI  
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REVISIONS

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RJV

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MRI

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DATE

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DRAWING TITLE

**SCHEDULES, INTERIOR FINISH LEGEND AND DETAILS**

DRAWING NUMBER

**A8.1**

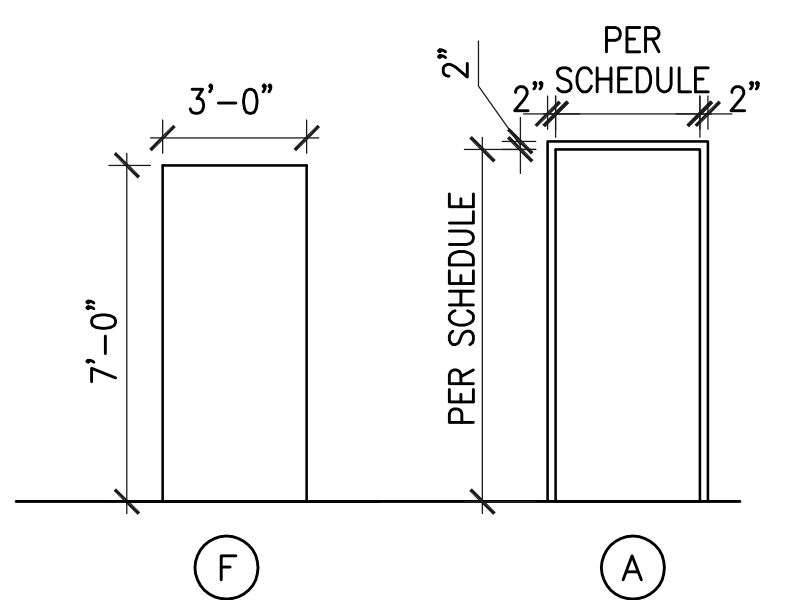
DOOR SCHEDULE										
DOOR			FRAME		LABEL	HARDWARE	DETAILS	REMARKS		
NO.	SIZE	MAT'L	TYPE	MAT'L					TYPE	
01	3068	WD	F	HM	A	--	-	1 & 2/A8.1	FINISHES TO MATCH ADJACENT DOORS AND FRAMES	

**DOOR SCHEDULE KEY**

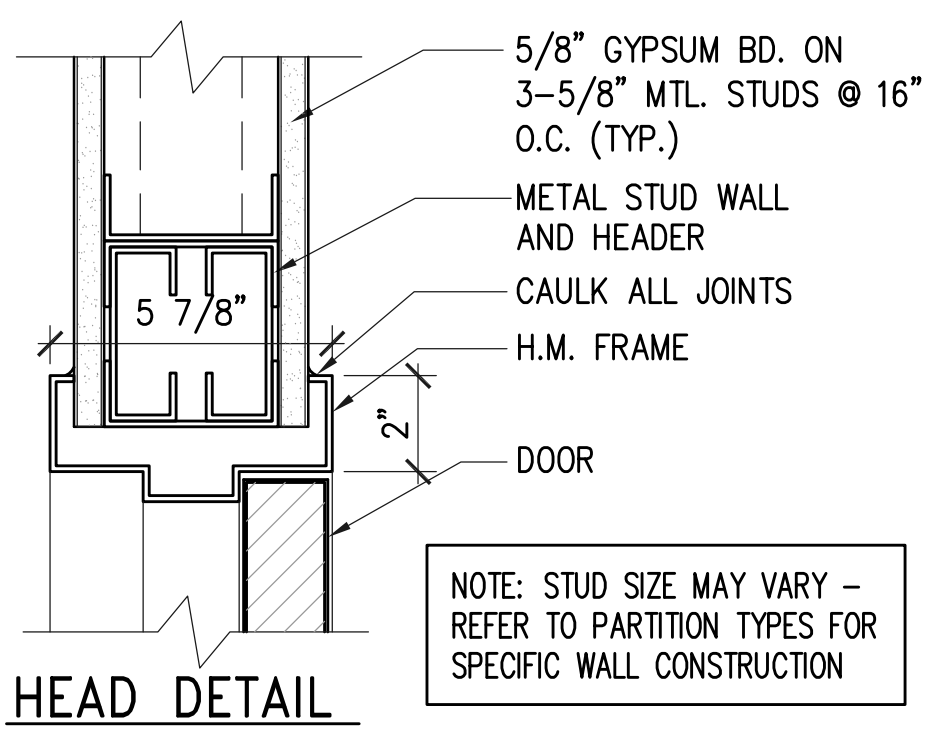
HM: HOLLOW METAL  
WD: WOOD

**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.

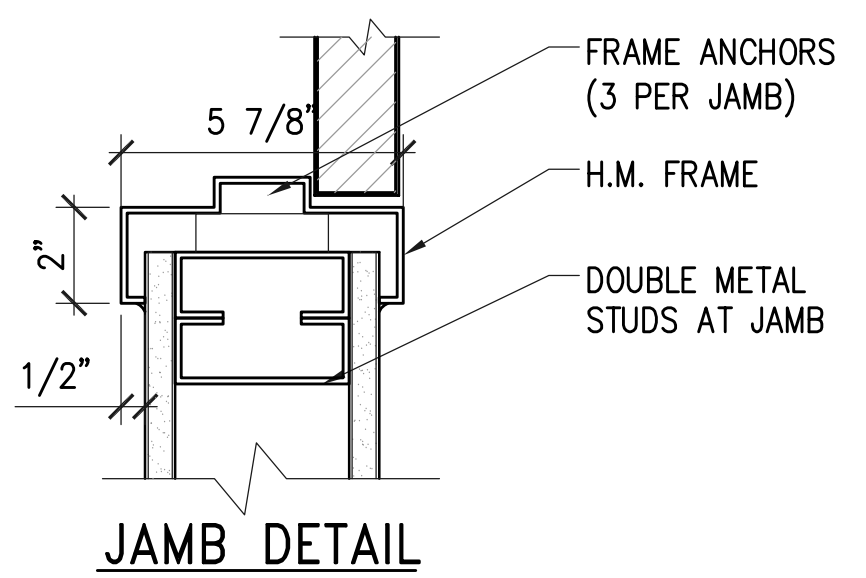


**DOOR TYPES**  
A8.1/A8.1 SCALE: 1/4" = 1'-0"

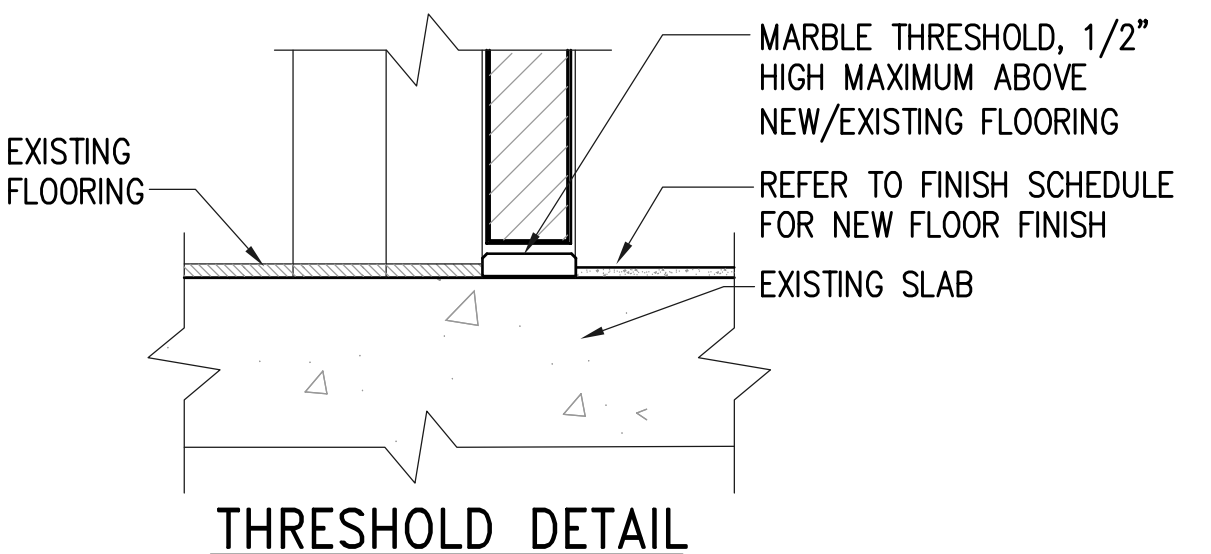


**HEAD DETAIL**

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



**JAMB DETAIL**



**THRESHOLD DETAIL**

**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: STONCFIRE	
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.	

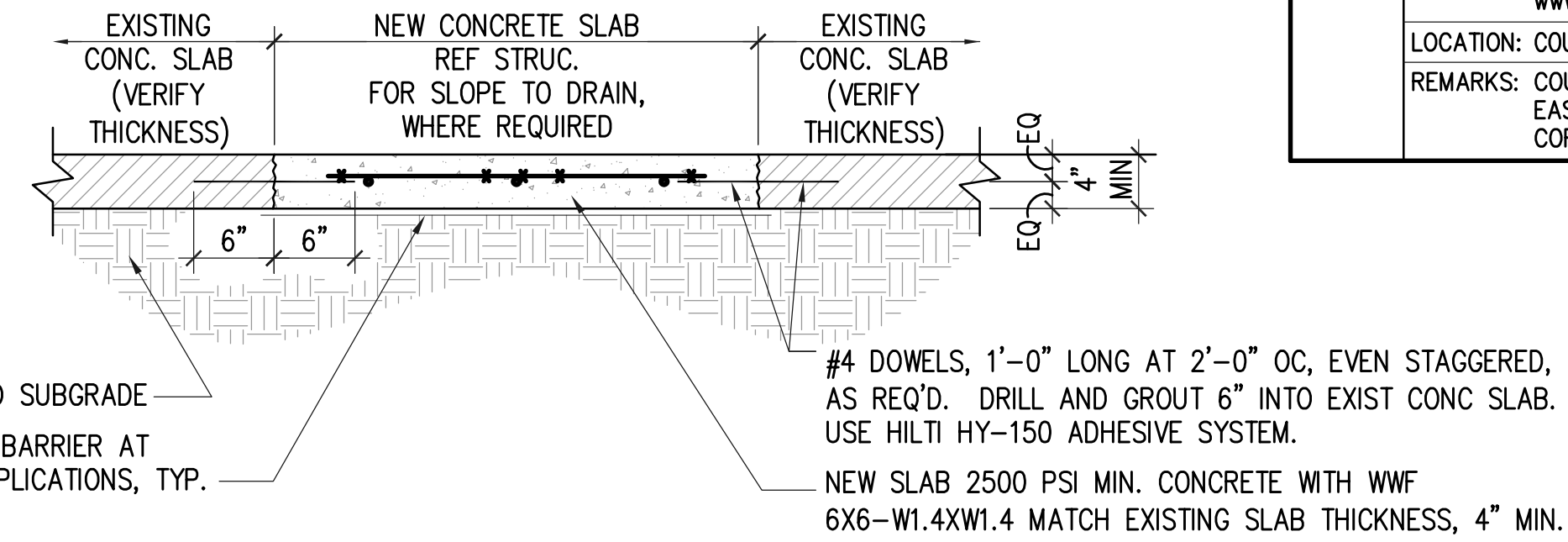
TOILET/URINAL PARTITIONS	
STC-1	SOLID PLASTIC TOILET COMPARTMENTS
MFR: SCRANTON-COMTEC HINY HIDERS	
STYLE: HIGH DENSITY POLYETHYLENE SOLID PLASTIC TOILET COMPARTMENTS	
COLOR: SANDSTONE	
SIZE: 1" THICK PARTITIONS	
FLAME SPREAD: -	
CONTACT: - WWW.SCRANTONPRODUCTS.COM	
LOCATION: TOILET PARTITIONS AND URINAL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

WALL PAINT	
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	

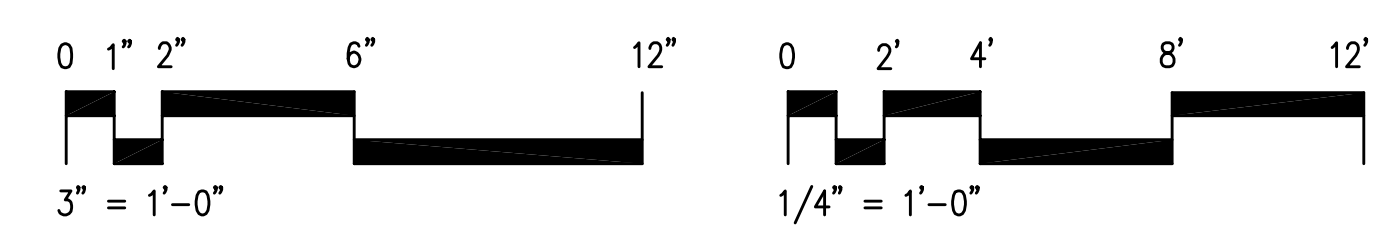
SOLID SURFACE	
SSM-1	SOLID SURFACE MATERIAL
MFR: CORIAN	
STYLE: MATTE FINISH	
COLOR: CANYON	
SIZE: N/A	
FLAME SPREAD: CLASS 1 (A); 100% ACRYLIC POLYMER	
CONTACT: - www.dupont.com/Surfaces_Commercial/en_US/index.html	
LOCATION: COUNTERTOPS WITH INTEGRAL LAVATORIES OF VANITIES IN TOILET ROOMS	
REMARKS: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

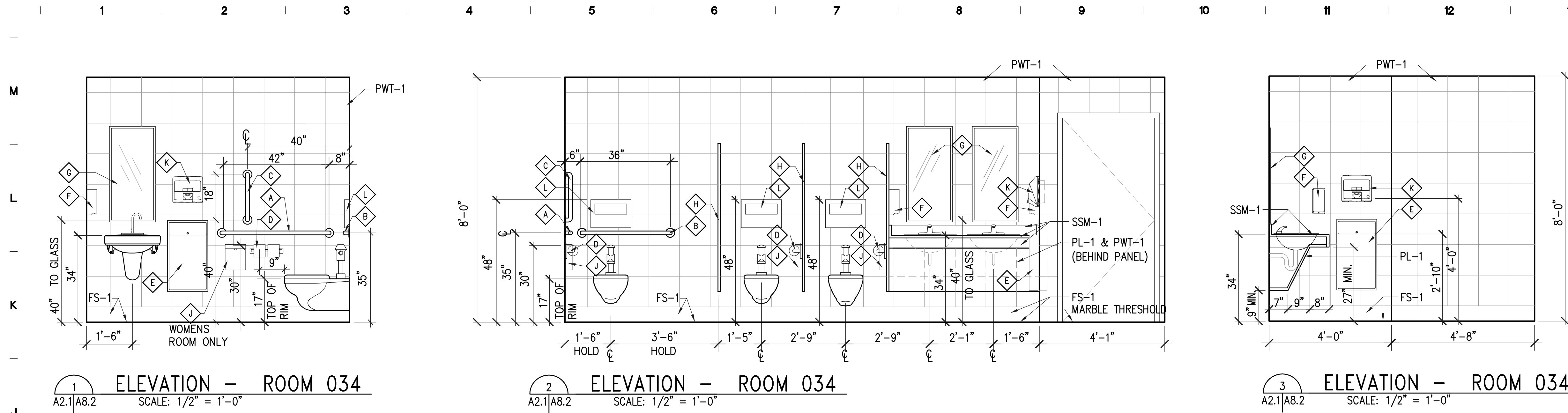
**SLAB PATCHING DETAIL**  
A2.1/A8.1 SCALE: N.T.S.

**SCALES**



SHEET FILENAME: 0932\_A8.1

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DATE: Mar 18, 2014 2:59pm  
USER: MRI  
PAGES: 1326 BDR IMAGES:



1 ELEVATION - ROOM 034  
SCALE: 1/2" = 1'-0"

2 ELEVATION - ROOM 034  
SCALE: 1/2" = 1'-0"

3 ELEVATION - ROOM 034  
SCALE: 1/2" = 1'-0"

**NEW CONSTRUCTION NOTES**

1. 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.
2. DO NOT SCALE DRAWINGS. COORDINATE WITH ARCHITECT FOR ADDITIONAL INFORMATION AS NEEDED.
3. REFER TO MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
4. PROVIDE SUPPORT BLOCKING WHERE REQUIRED FOR ALL WALL-MOUNTED TOILET ACCESSORIES, MILLWORK, AND ADA GRAB BAR LOCATIONS.
5. ALL VISIBLE MILLWORK FACES SHALL HAVE PLASTIC LAMINATE FINISH. BACKSIDE FACE OF PANEL BENEATH LAVATORY COUNTERTOPS TO RECEIVE MELAMINE FINISH.
6. ALL ADA-COMPLIANT WORK SURFACES SHALL NOT EXCEED 34" MAX. A.F.F. NON-COMPLIANT COUNTER HEIGHTS WILL NOT BE ACCEPTED.
7. REFER TO INTERIOR FINISH SCHEDULE (SHEET A8.1) FOR ADDITIONAL INFORMATION.
8. WRAP EXPOSED LAVATORY HOT WATER SUPPLY AND DRAIN WITH INSULATION.



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FL LIC. # AA0002264  
PROJECT TITLE AND OWNERS NAME

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

475 WEST STORY ROAD  
OCOOE, FL 34761

**PERMIT/BID SUBMITTAL**

CONSULTANTS

SEAL AND SIGNATURE

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REVISIONS

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RJV

CHECKED BY

PMI

JOB NUMBER

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DATE

MARCH 20, 2014

DRAWING TITLE

**RESTROOM ELEVATIONS AND ACCESSORIES SCHEDULE**

DRAWING NUMBER

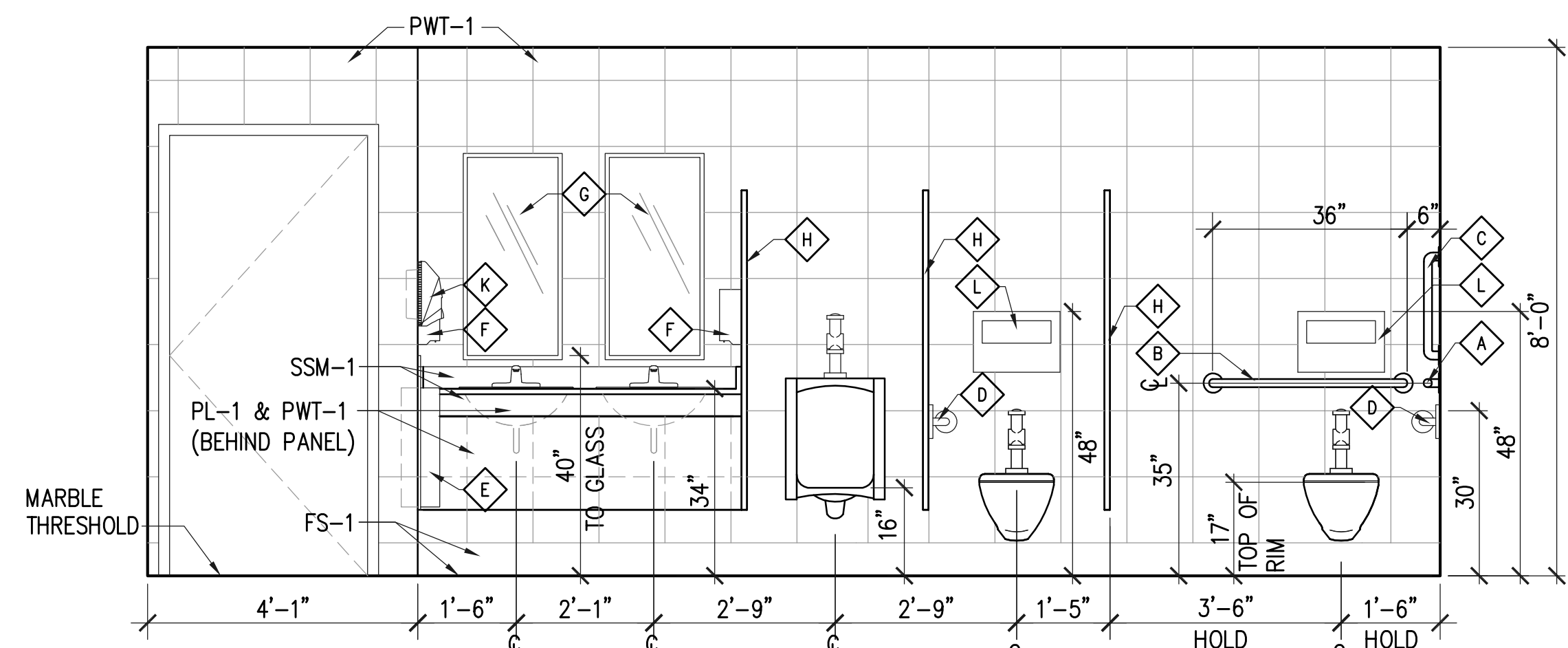
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SHEET OF

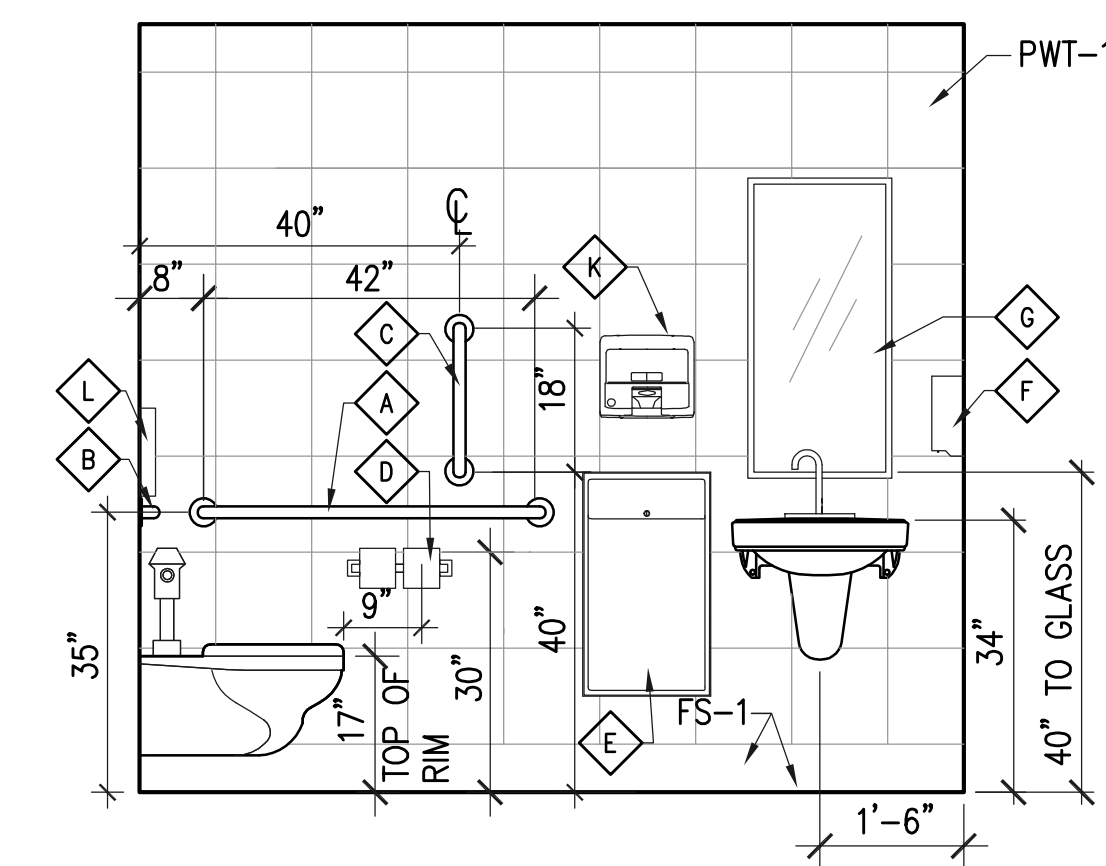
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TOILET ACCESSORIES SCHEDULE			
MARK	DESCRIPTION	MANUFACTURER	REMARKS
A	STAINLESS STEEL GRAB BAR 42" LONG	BOBRICK B-6806 SERIES	SEE ELEVATION FOR MOUNTING HEIGHT
B	STAINLESS STEEL GRAB BAR 36" LONG	BOBRICK B-6806 SERIES	SEE ELEVATION FOR MOUNTING HEIGHT
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

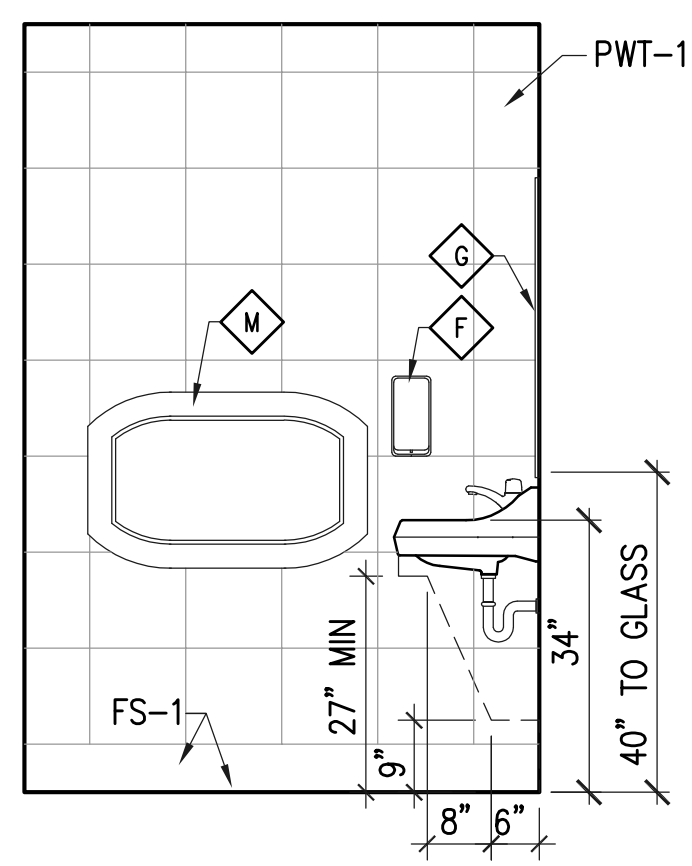
**GENERAL NOTE:**  
THE USE OF MANUFACTURER'S NAMES AND PRODUCTS DO NOT PRECLUDE THE USE OF OTHER MANUFACTURER'S PRODUCTS OF APPROVED EQUAL QUALITY, MATERIAL, COLOR, TEXTURE, AND PATTERN AS LONG AS ALL REQUIREMENTS IN THE TECHNICAL SECTIONS ARE MET.



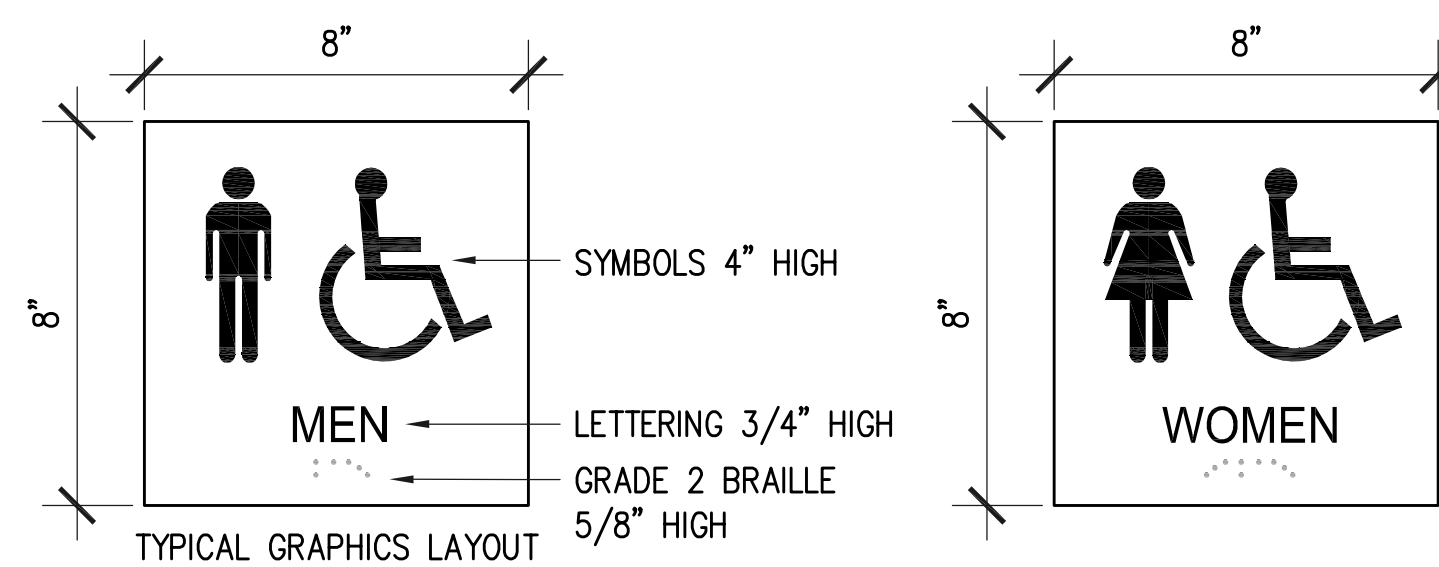
4 ELEVATION - ROOM 035  
SCALE: 1/2" = 1'-0"



5 ELEVATION - ROOM 035  
SCALE: 1/2" = 1'-0"



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

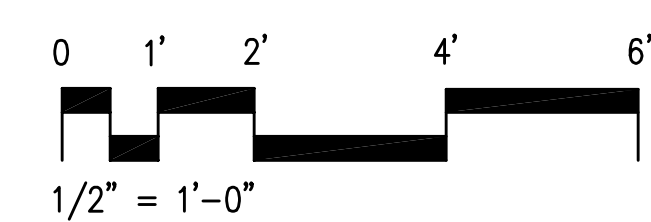


7 ACCESSIBLE SIGNAGE  
SCALE: 3" = 1'-0"

**GENERAL SIGNAGE NOTES**

1. PROVIDE ACCESSIBLE RESTROOM SIGNS PER ADA/ADAAG GUIDELINES FOR CONTENT, SYMBOL DESIGN, BRAILLE TRANSLATION, COLOR CONTRAST LEVELS, SIZE AND MOUNTING HEIGHT.
2. 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.
3. 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".

**SCALE**



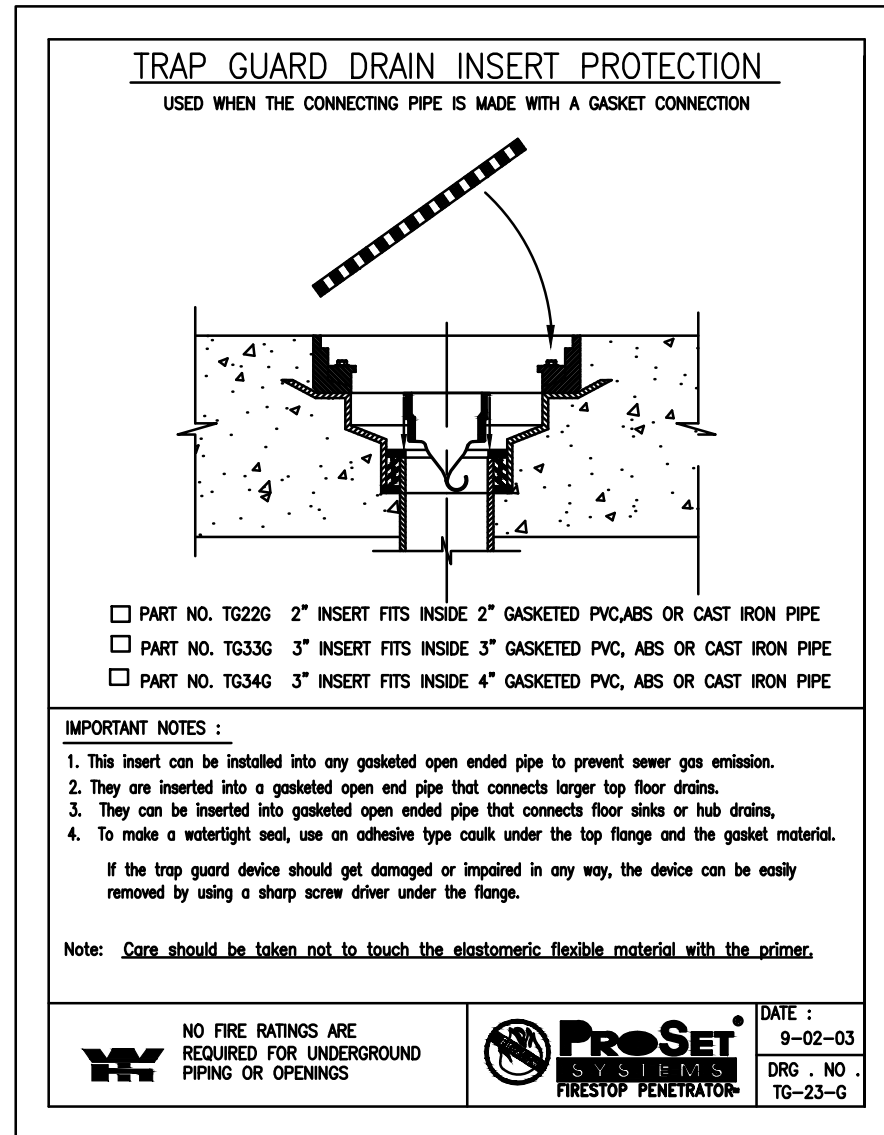
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FLOOR DRAIN SCHEDULE			
MARK	BODY	GRATE OR STRAINER	MANUFACTURER
FD-1	CAST IRON	6.5" NICKEL BRONZE, ROUND	SIoux CHIEF #833 SERIES

**FLOOR DRAIN NOTES:**

- FURNISH ALL FLOOR DRAINS WITH PROSET TRAP GUARD INSERTS. REFER TO SCHEDULE, SHEET P001.
- PROVIDE ALL FLOOR DRAINS WITH WIDE ANCHOR FLANGE AND CLAMPING DEVICE. ATTACH FLOOR DRAINS TO MEMBRANE IN FLOOR. WHEN FLOOR DRAINS ARE LOCATED IN NON-MEMBRANE FLOORS, THEY SHALL BE FLASHED IN COMPLIANCE WITH THE SPECIFICATIONS.



**TRAP GUARD INSERT DETAIL & SCHEDULE**  
NO SCALE

PLUMBING FIXTURE SCHEDULE							
MARK	FIXTURE	SOIL	WASTE	VENT	HW	CW	MANUFACTURER
WC-1	WALL MOUNTED FLUSH VALVE WATER CLOSET	4"	---	2"	---	1"	TOILET; AMERICAN STANDARD #2856.128 "AFWALL", EPA'S WATER SENSE CERTIFIED, WALL HUNG, OR APPROVED EQUAL. VALVE: AMERICAN STANDARD #6065.121.002, SENSOR-OPERATED, BATTERY, 1.28 GPF, EPA'S WATER SENSE CERTIFIED, OR APPROVED EQUAL. SEAT: AMERICAN STANDARD #5901.100, OPEN FRONT, ELONGATED BOWL, SELF-SUSTAINING HINGE, OR APPROVED EQUAL. CARRIER 1: ZURN #ZN1204-ND, NARROW WALL ADJUSTABLE VERTICAL BACK TO BACK SIPHON JET NO HUB, OR APPROVED EQUAL. CARRIER 2: ZURN #ZN1209-ND, NARROW WALL ADJUSTABLE VERTICAL SINGLE SIPHON JET NO HUB. USED WHEN THERE NO BACK TO BACK WATER CLOSETS, OR APPROVED EQUAL.
WC-2	WALL MOUNTED FLUSH VALVE WATER CLOSET A.D.A.	4"	---	2"	---	1"	TOILET; AMERICAN STANDARD #2856.128 "AFWALL", EPA'S WATER SENSE CERTIFIED, WALL HUNG, OR APPROVED EQUAL. VALVE: AMERICAN STANDARD #6065.121.002, SENSOR-OPERATED, BATTERY, 1.28 GPF, EPA'S WATER SENSE CERTIFIED, OR APPROVED EQUAL. SEAT: AMERICAN STANDARD #5901.100, OPEN FRONT, ELONGATED BOWL, SELF-SUSTAINING HINGE, OR APPROVED EQUAL. CARRIER: ZURN #ZN1204-ND, NARROW WALL ADJUSTABLE VERTICAL BACK TO BACK SIPHON JET NO HUB, OR APPROVED EQUAL.
L-1	INTEGRAL LAVATORY	---	1 1/4"	1 1/2"	---	1/2"	LAV; INTEGRAL WITH COUNTER TOP, FAUCET: AMERICAN STANDARD #6055.193 SENSOR-OPERATED, BATTERY POWERED, 1.5 GPM, OR APPROVED EQUAL. GRID STRAINER: ZURN #28737, P-TRAP: MCGUIRE #8872 17 GA. C.P. "P" TRAP WITH WALL BEND, #H216SLK C.P. SUPPLY WITH LOOSE KEY STOPS, OR APPROVED EQUAL.
L-2	WALL HUNG LAVATORY A.D.A.	---	1 1/4"	1 1/2"	1/2"	1/2"	LAV; AMERICAN STANDARD #0356.041 "LUCERNE", OR APPROVED EQUAL. CARRIER: ZURN #Z1224-2, FAUCET: AMERICAN STANDARD #6055.193, SENSOR-OPERATED, BATTERY POWERED, 1.5 GPM, OR APPROVED EQUAL. GRID STRAINER: ZURN #28737, P-TRAP: MCGUIRE #8872 17 GA. C.P. "P" TRAP WITH WALL BEND, #H216SLK C.P. SUPPLY WITH LOOSE KEY STOPS, OR APPROVED EQUAL.
UR-1	URINAR A.D.A.	---	1 1/2"	1 1/2"	---	1/2"	URINAR; SLOAN REGAL #186-0.5, 0.5 GPF, TOP SPOUD, WALL MOUNTED, OR APPROVED EQUAL. VALVE: AMERICAN STANDARD #6063.101.002, SENSOR-OPERATED, DC POWER, EXPOSED FLUSH VALVE, OR APPROVED EQUAL. CARRIER: ZURN #1222 WALL CARRIER. SEE NOTE '4' BELOW, OR APPROVED EQUAL.

**PLUMBING FIXTURE NOTES:**

- WHERE COLOR/FINISH OPTIONS ARE AVAILABLE FOR FIXTURES, SELECTIONS SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO PURCHASE AND INSTALLATION.
- VERIFY SINK DIMENSIONS WITH ARCHITECT, RE: MILLWORK.
- REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS OF ALL FIXTURES.
- FIXTURES FOR USE BY THE DISABLED:
  - INSTALL IN ACCORDANCE WITH A.D.A., STATE, AND LOCAL REQUIREMENTS.
  - THE FORCE REQUIRED TO ACTIVATE FLUSH VALVES SHALL BE 5 LBS MAXIMUM.
  - FLUSH ACTIVATOR SHALL BE LOCATED ON WIDE SIDE OF THE STALL.
  - THE FAUCET CONTROLS AND THE OPERATING MECHANISM (OPERABLE WITH ONE HAND) SHALL BE OF THE TYPE NOT REQUIRING AN OPERATING FORCE EXCEEDING 5 LBS, OR TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST.
  - WHEN INSTALLED SO THAT TOP OF SEAT IS 17" TO 19" FROM THE FINISHED FLOOR.

CLEANOUT SCHEDULE		
MARK	APPLICATION	MANUFACTURER
WCO	WALL CLEANOUTS	J.R. SMITH #4532S; WADE #W-8560-E; ZURN #Z-1446

WATER HAMMER ARRESTOR SCHEDULE				
PIPE SIZE	PDI SIZE	FIXTURE UNIT RANGE	MANUFACTURER	
1/2"	A	1-11	SIoux CHIEF HYDRA-RESTER #652-A	
3/4"	B	12-32	SIoux CHIEF HYDRA-RESTER #653-B	
1"	C	33-60	SIoux CHIEF HYDRA-RESTER #654-C	
1-1/4"	D	61-113	SIoux CHIEF HYDRA-RESTER #655-D	
1-1/2"	E	114-154	SIoux CHIEF HYDRA-RESTER #656-E	
2"	F	155-330	SIoux CHIEF HYDRA-RESTER #657-F	

**WATER HAMMER ARRESTOR NOTES:**

- AIR CHAMBERS ARE NOT AN ACCEPTABLE EQUAL TO WATER HAMMER ARRESTORS AND SHALL NOT BE INSTALLED.
- ACCESS PANELS NOT REQUIRED FOR WATER HAMMER ARRESTORS.
- SIZE AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

PLUMBING GENERAL NOTES	
1.	THE INSTALLATION OF THE PLUMBING SYSTEMS AND EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE CODES INCLUDING BUT NOT LIMITED TO STATE AND LOCAL CODES.
2.	THE CONTRACTOR SHALL COORDINATE THE INTERRUPTION OF ALL UTILITY SERVICES WITH OWNER'S REPRESENTATIVE. PROVIDE A MINIMUM OF FIVE WORKING DAYS ADVANCED NOTICE, OR PER PLUMBING SPECIFICATIONS, OF SCHEDULED UTILITY DISCONNECTION.
3.	PLANS ARE NOT COMPLETELY TO SCALE. PIPE ROUTING SHOWN IS SCHEMATIC AND IS NOT INTENDED TO INDICATE EXACT LOCATION OF PIPING AND VALVES. CONTRACTOR SHALL PROVIDE ANY ADDITIONAL FITTINGS REQUIRED FOR PROPER INSTALLATION AND TO MAINTAIN PROPER CLEARANCES. COORDINATE WITH ALL TRADES AND OTHER POTENTIAL OBSTRUCTIONS AND ROUTE PIPING TO AVOID INTERFERENCES.
4.	CONCEAL PIPING ABOVE CEILINGS, WITHIN WALLS OR CHASES EXCEPT IN MECHANICAL ROOMS OR AS SPECIFICALLY NOTED.
5.	FIRESTOP ALL PENETRATIONS THROUGH RATED WALLS, CEILINGS, AND FLOORS WITH LISTED ASSEMBLIES AND SLEEVE WHERE REQUIRED. FIRESTOP ASSEMBLIES SHALL BE EQUAL OR EXCEED THE RATING OF THE WALL OR FLOOR. ALL FIRESTOP ASSEMBLIES SHALL MEET ASTM E-814 REQUIREMENTS. SEE ARCHITECTURAL DRAWINGS FOR FINAL FINISHES AND ADDITIONAL PIPE PENETRATION REQUIREMENTS.
6.	PROVIDE ACCESS PANELS TO ALL VALVES LOCATED WITHIN CHASES OR NON-ACCESSIBLE CEILINGS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES. ALL VALVES SHALL BE ACCESSIBLE.
7.	REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURE LOCATIONS AND MOUNTING HEIGHTS.
8.	PROVIDE CLEANOUTS ON ALL SANITARY DRAIN PIPING AS INDICATED ON THE DRAWINGS, AND AS REQUIRED BY LOCAL AND STATE CODES. INSTALL CLEANOUTS IN ACCESSIBLE LOCATIONS. COORDINATE TOP OF FLOOR/GRADE CLEANOUT ELEVATION WITH TOP OF FINISHED GRADE.
9.	ALL FLOOR, WALL AND CEILING OPENINGS CREATED BY THE REMOVAL OF EXISTING PLUMBING RELATED ITEMS SHALL BE REPAIRED TO MATCH EXISTING ADJACENT FINISHES AND WALL CONSTRUCTION.
10.	UNLESS NOTED OTHERWISE, SLOPE ALL SANITARY DWV PIPING 3" PIPE SIZE & LARGER A MINIMUM OF 1/8" PER FT. OF RUN, SLOPE VENT PIPING DOWN & BACK TO FIXTURES.
11.	PROVIDE WATER HAMMER ARRESTORS AT ALL PLUMBING FIXTURES OR BATTERY OF FIXTURES WITH QUICK-CLOSING VALVES. INSTALL PER WATER HAMMER ARRESTORS SCHEDULE. AIR CHAMBERS SHALL NOT BE CONSIDERED AN EQUAL TO WATER HAMMER ARRESTORS AND SHALL NOT BE INSTALLED.
12.	WATER SERVICE PIPE AND THE BUILDING SEWER SHALL BE SEPARATED BY 5 FEET OF UNDISTURBED OR COMPACTED EARTH. THE REQUIRED SEPARATION DISTANCE SHALL NOT APPLY WHERE THE BOTTOM OF THE WATER SERVICE PIPE WITHIN 5 FEET OF THE SEWER IS A MINIMUM OF 12 INCHES ABOVE THE TOP OF THE HIGHEST POINT OF THE SEWER AND THE PIPE MATERIALS CONFORM TO APPLICABLE PLUMBING CODES.
13.	PROVIDE ALL NECESSARY VALVES, TRAPS, FLOW CONTROLS, FILTERS, BACKFLOW ASSEMBLIES, FAUCETS, STOPS, TAILPIECES, VACUUM BREAKERS, IF NOT FURNISHED WITH EQUIPMENT.
14.	CONTRACTOR SHALL ROUGH-IN ALL WASTES AND SUPPLIES TO ALL EQUIPMENT ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND MAKE FINAL CONNECTIONS.
15.	PROVIDE SUPPLY STOPS ON HOT AND COLD WATER PIPE SUPPLYING ALL FIXTURES AND EQUIPMENT.
16.	PROVIDE APPROVED CHROME PLATED TYPE VACUUM BREAKERS WHERE REQUIRED BY LOCAL CODES, AND AS INDICATED ON PLANS FOR NEW WORK.
17.	PROVIDE DIELECTRIC UNIONS WHERE CONNECTIONS ARE MADE BETWEEN DISSIMILAR PIPE MATERIALS.
18.	SEE RISER DIAGRAMS FOR PIPE SIZES AND ROUTING NOT SHOWN ON PLANS.
19.	IF THE INTENT OF THE INFORMATION SHOWN ON THESE DOCUMENTS 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.
20.	WHERE THE CONTRACTOR PROPOSES ALTERNATE SOLUTIONS, DIFFERENT ROUTINGS OF PIPING, DIFFERENT LOCATIONS OF EQUIPMENT, FIXTURES, ETC., THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OF THE RAMIFICATIONS OF THE PROPOSED CHANGE THAT ARE NOT INCLUDED IN HIS PROPOSAL, BUT BECOME APPARENT AT A LATER DATE, AND SHALL BEAR THE CONSEQUENCES OF CORRECTING ANY AND ALL CONFLICTS, DEFICIENCIES OR OTHER PROBLEMS AT NO INCREASE IN COST OR INCREASE IN CONSTRUCTION TIME ALLOTTED.
21.	CONTRACTOR SHALL INSTALL ALL EQUIPMENT PER THE MANUFACTURER'S INSTALLATION REQUIREMENTS AND/OR RECOMMENDATIONS.

PLUMBING GENERAL DEMOLITION NOTES	
1.	CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS AND SIZES OF EXISTING SERVICES SHOWN ON DRAWINGS PRIOR TO PRICING, FABRICATION, OR CONSTRUCTION. CONTRACTOR SHALL FIELD LOCATE ALL OTHER EXISTING EQUIPMENT, FIXTURES, AND SERVICES IN THE AREA OF THIS PROJECT.
2.	CONTRACTOR SHALL VERIFY INVERT ELEVATIONS OF SEWERS TO WHICH NEW SEWER LINES ARE TO BE CONNECTED BEFORE INSTALLATION OF NEW SEWER LINE.

LEGEND	ABBREVIATIONS		
---	SOIL OR WASTE LINE (BELOW GRADE)	AB.	ABOVE
---	SOIL OR WASTE LINE (ABOVE GRADE)	A.H.A.A.	AS HIGH AS POSSIBLE
---	VENT PIPING	A.F.F.	ABOVE FINISHED FLOOR
---	EXISTING WASTE PIPING (BELOW GRADE)	B.V.	BALANCING VALVE
---	EXISTING WASTE PIPING (ABOVE GRADE)	B	BUILDING
---	DOMESTIC COLD WATER PIPING	CW	COLD WATER
---	HOT WATER PIPING	CO	CLEANOUT
---	EXISTING COLD WATER PIPING	CONN.	CONNECTION
---	EXISTING HOT WATER PIPING	DN.	DOWN
---	INDICATES NEW CONNECTION TO EXISTING UTILITIES	DWV	DRAIN, WASTE, AND VENT
---		ECO	EXTERIOR CLEANOUT (GRADE)
---		EXIST.	EXISTING
---		F.F.E.	FINISHED FLOOR ELEVATION
---		FCO	FLOOR CLEANOUT
---		FD	FLOOR DRAIN
---		HW	HOT WATER
---		HWR	HOT WATER RETURN
---		I.E.	INVERT ELEVATION
---		MIN.	MINIMUM
---		SL.	SLOPE
---		V	VENT
---		VTR	VENT THRU ROOF
---		W	WASTE



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OCOEE SERVICE CENTER - ADA COMPLIANT RESTROOM RENOVATIONS

475 WEST STORY ROAD  
OCOEE, FL 34761

PERMIT/BID SUBMITTAL  
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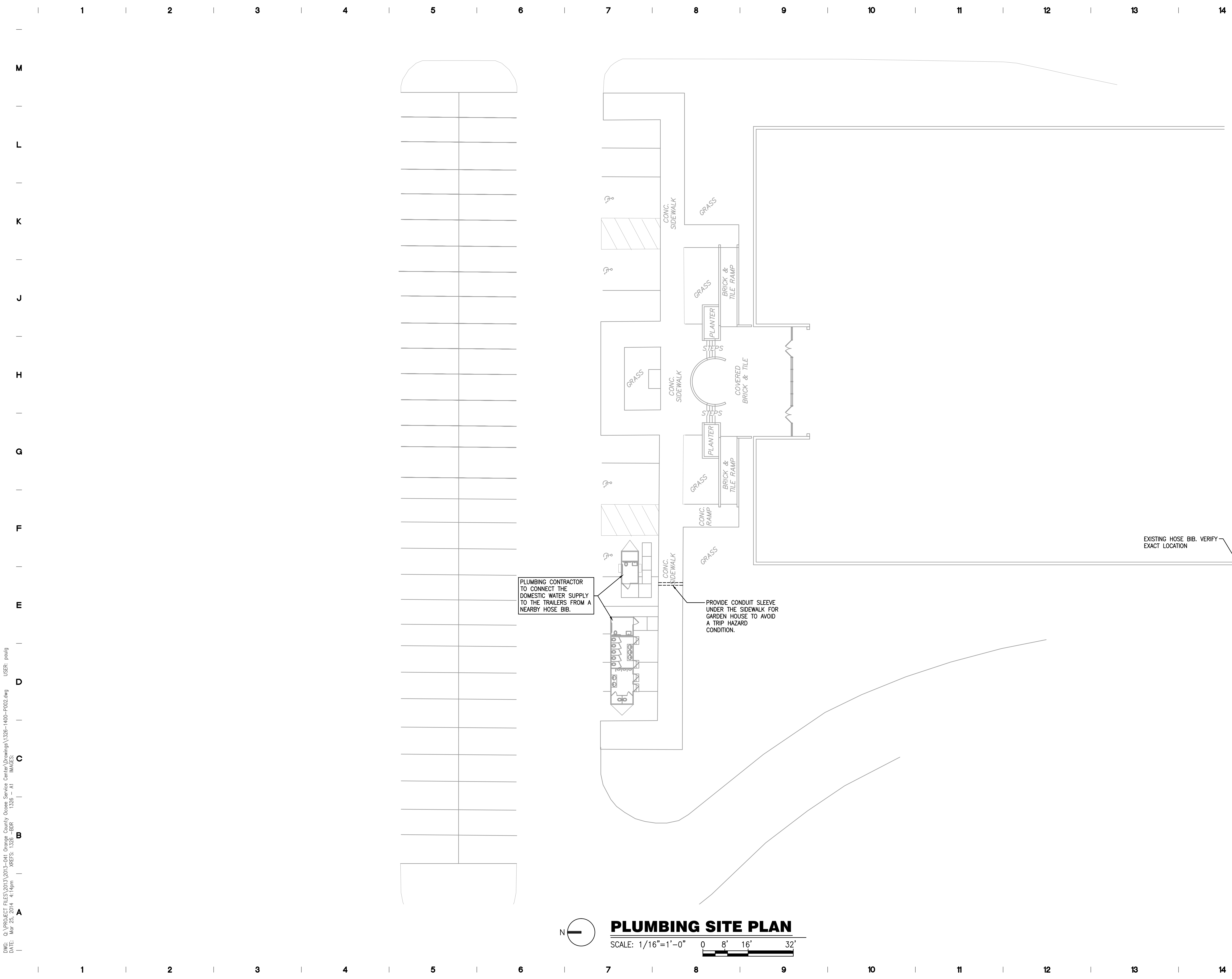
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**PLUMBING SYMBOLS  
LEGEND AND DETAILS**

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**P.001**





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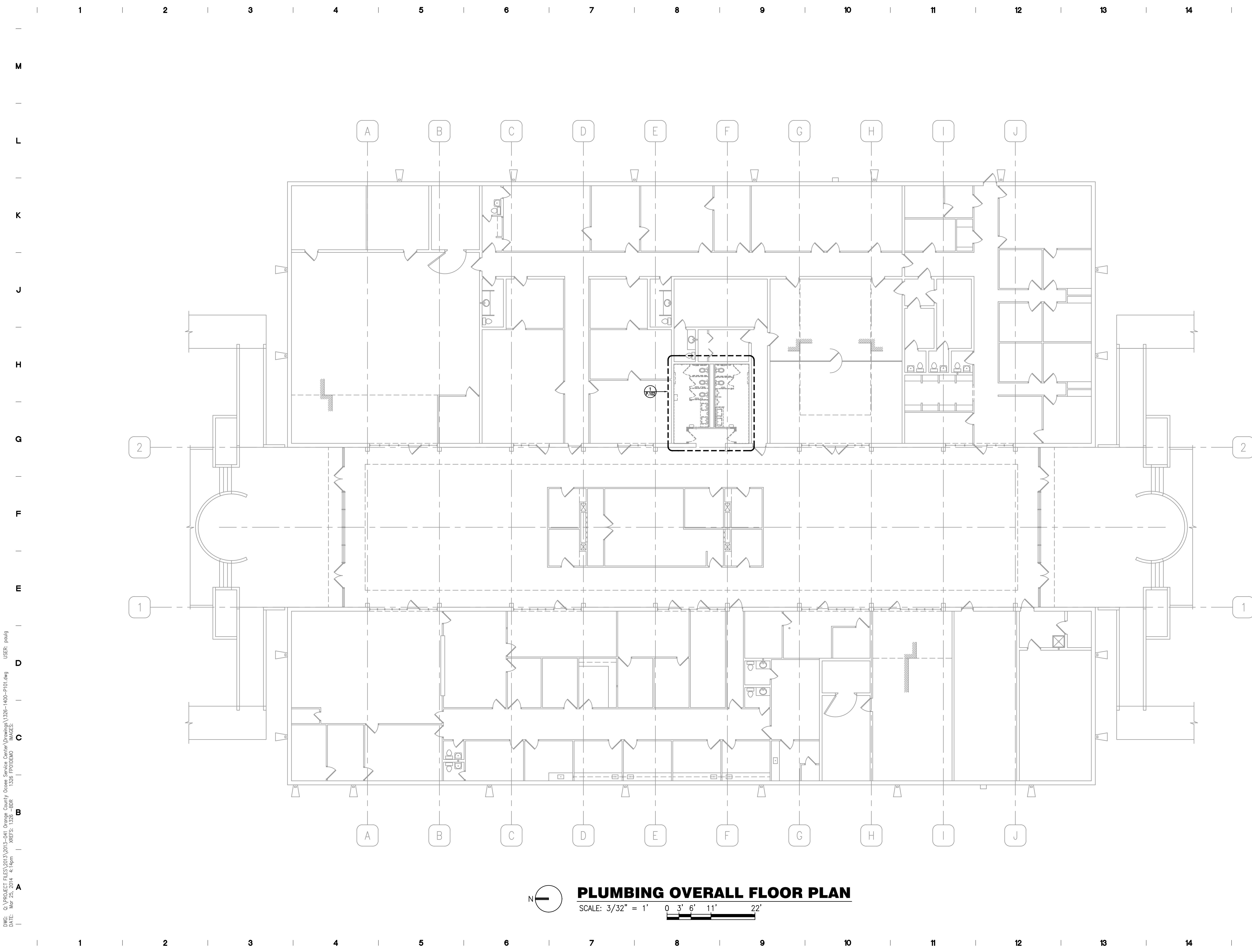
MARCH 20, 2014

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**PLUMBING SITE PLAN**

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**P.002**



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**PLUMBING OVERALL FLOOR PLAN**  
 SCALE: 3/32" = 1' 



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**PLUMBING OVERALL FLOOR PLAN**

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

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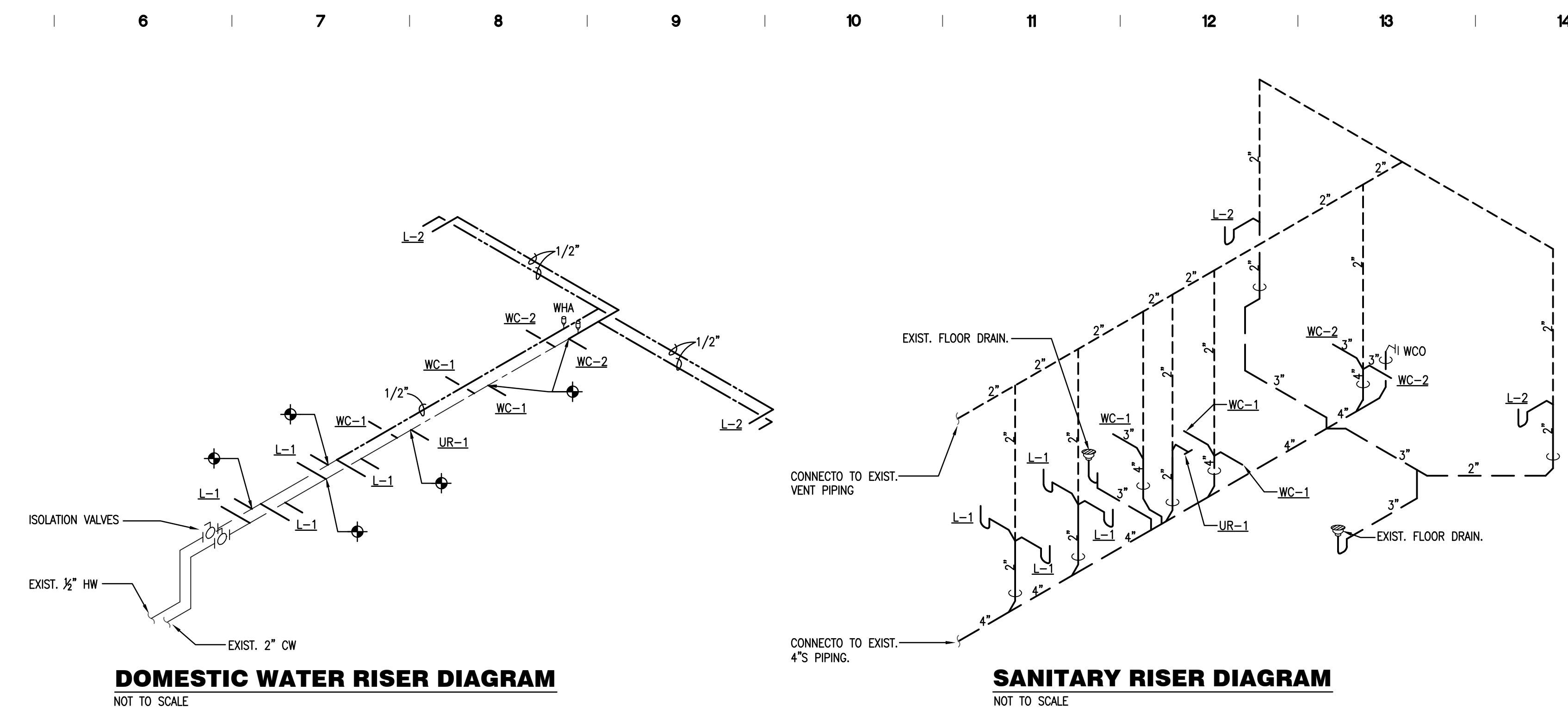
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**PLUMBING DEMO AND  
RENO FLOOR PLANS**

DRAWING NUMBER

**P.102**

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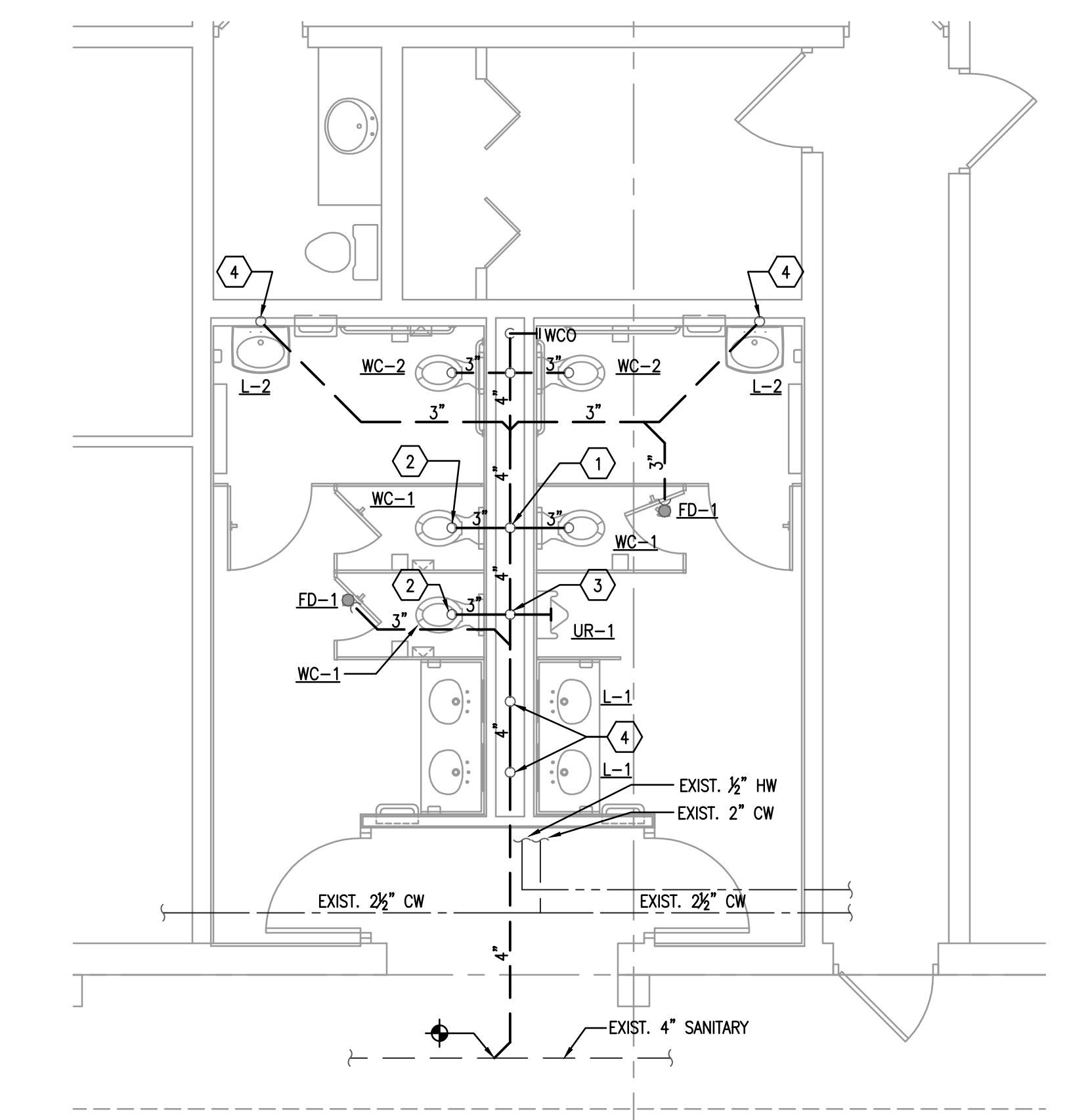
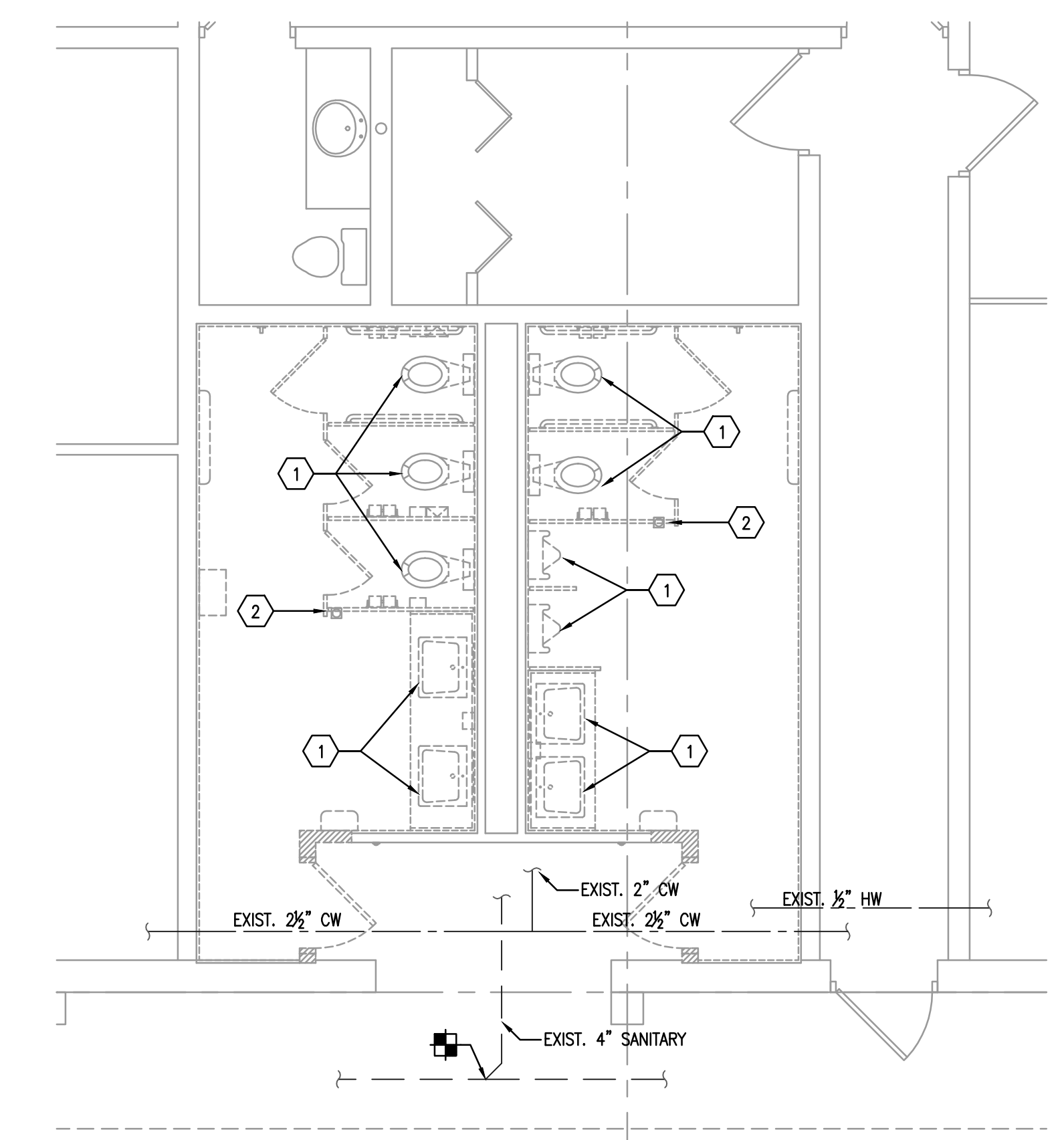


**DEMOLITION PLAN KEY NOTES:**

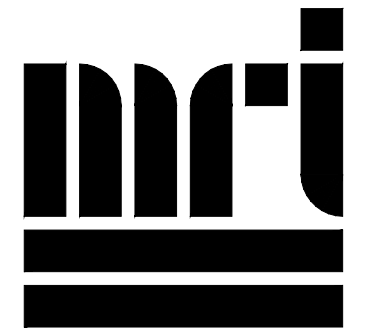
1. REMOVE WATER CLOSET, URINAL, OR LAVATORY. REMOVE SANITARY WASTE BACK TO 4" MAIN. CAP WATER PIPING AT MAIN.
2. EXISTING FLOOR DRAIN TO REMAIN.

**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.



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PLOT DATE: 3/20/2014 4:44pm



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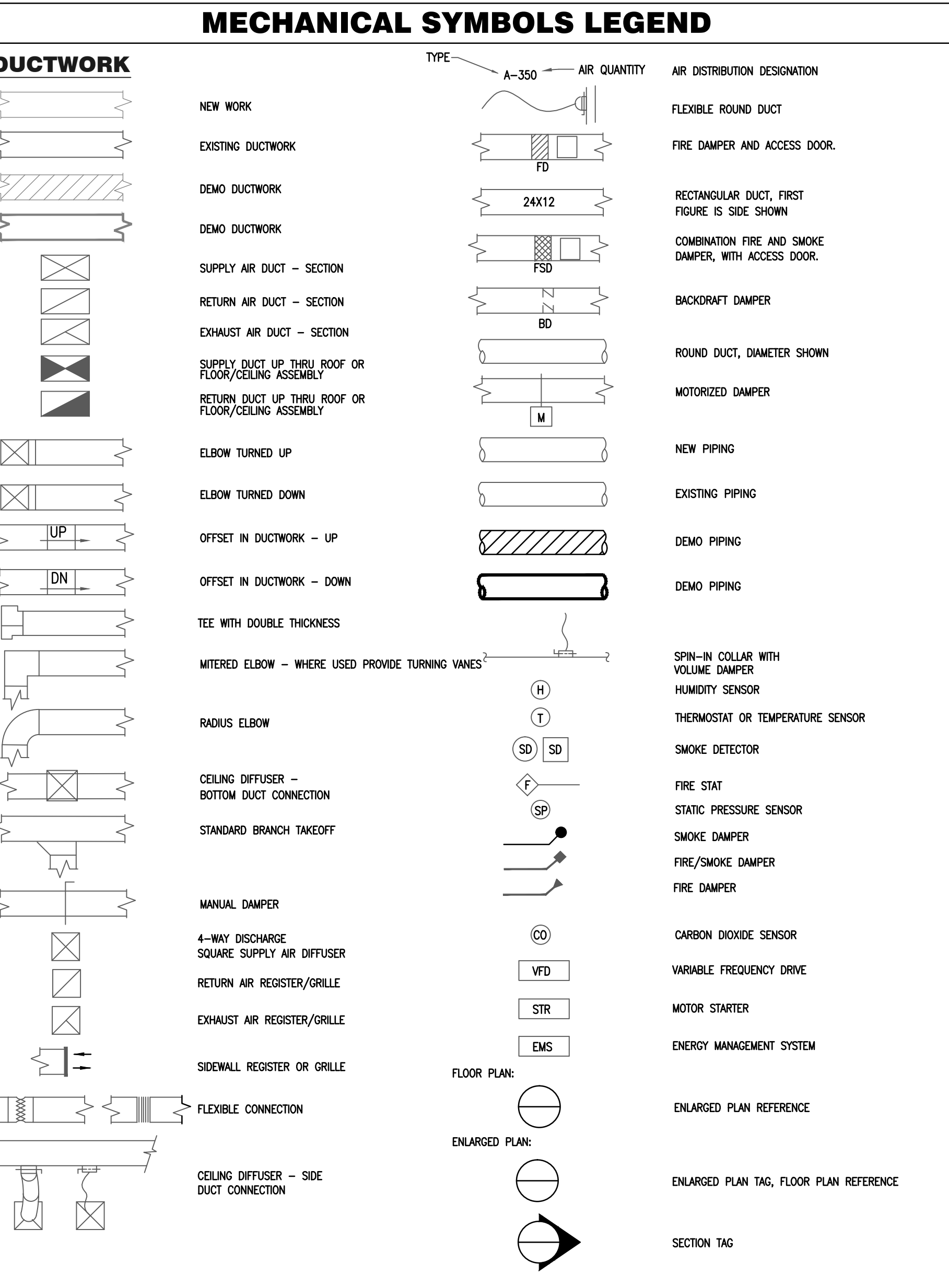
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MECHANICAL SYMBOLS LEGEND AND DETAILS

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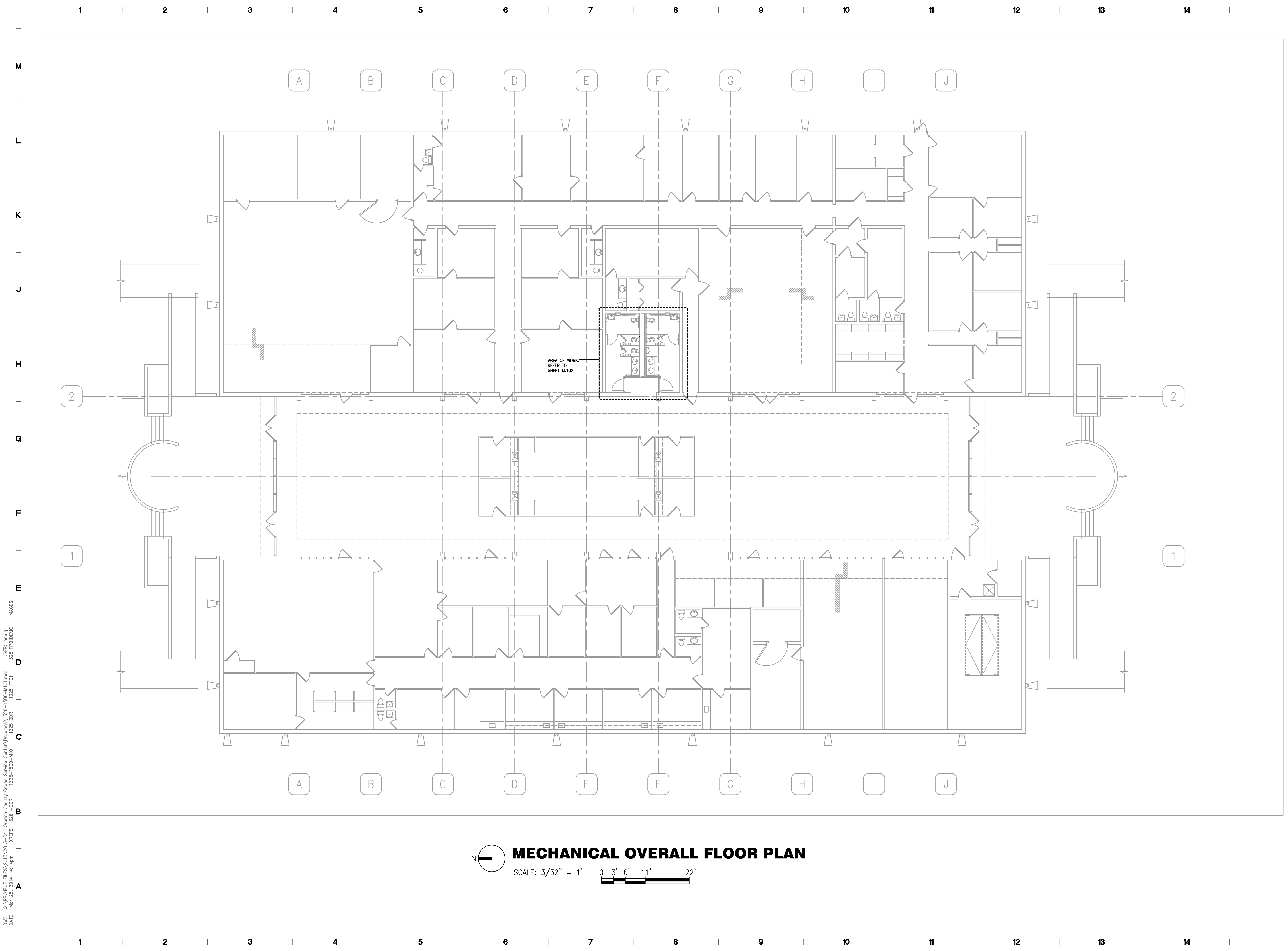
MECHANICAL ABBREVIATIONS table listing symbols for AIR, AIR VENT, AIR CONDITIONING, ACCESS DOOR, AIR DRYER, ABOVE FINISHED FLOOR, AIR HANDLING UNIT, ALUMINUM, ACCESS PANEL, AIR PRESSURE DROP, AUTOMATIC TEMPERATURE CONTROL, AIR VENT, BACK DRAFT DAMPER, BOTTOM, BACKFLOW PREVENTER, BRITISH THERMAL UNIT, BALL VALVE, CELSIUS, DEGREE CELSIUS, CENTRIFUGAL, CUBIC FEET PER MINUTE, CHILLED WATER SUPPLY & RETURN, CEILING, CLEAN OUT, CONDENSATE, DRY BULB, DOWN BLOW, DOMESTIC COLD WATER, DEGREE, DELIVERY, DOMESTIC HOT WATER, DISCONNECT, DOWN, DIFFERENTIAL PRESSURE SWITCH, EXHAUST AIR, EACH ENTERING AIR TEMPERATURE, ENTERING DRY BULB, EXHAUST FAN, EFFICIENCY, ELEVATION, ENERGY MANAGEMENT SYSTEM, ENTERING, EXISTING RETURN GRILLE, ENTERING WET BULB, FAHRENHEIT, FIRE DAMPER, FLOOR DRAIN, FEET PER MINUTE, FEET PER SECOND, FIRE/SMOKE DAMPER, FEET, GALLONS PER HOUR, GALLONS PER MINUTE, HEATING HOT WATER SUPPLY&RETURN, HAND-OFF-AUTOMATIC, HORSEPOWER, HEAT PUMP, HOUR, HEATING VENTILATING AND AIR CONDITIONING, HERTZ (CYCLES PER SECOND), INSIDE DIAMETER, INCH, KILOWATT, LEAVING DRY BULB, LEAVING WET BULB, LIMIT OF REMOVAL, MAXIMUM, MASTER BUILDING CONTROLLER, THOUSAND BTU PER HOUR, MANUAL DAMPER, MINIMUM, NORTH, NOT APPLICABLE, NUMBER, NORMALLY OPEN, NOT TO SCALE, OPERATING, OPPOSED BLADE DAMPER, OUTSIDE DIAMETER, OPERATING, PRESSURE GAUGE, POUNDS PER SQUARE INCH, POUNDS PER SQUARE INCH GAUGE, RETURN AIR REGISTER, RETURN FAN, RETURN GRILLE, RELATIVE HUMIDITY, REHEAT COIL, ROOM, SUPPLY AIR SUPPLY FAN, SMOKE/FIRE DAMPER, THERMOSTAT, TERMINAL EQUIPMENT CONTROLLER, TEMPERATURE, TEMPERATURE SENSOR, TYPICAL, VENT, VOLT, VOLUME DAMPER, VERTICAL, WET BULB, WATER PRESSURE DROP, WIRE MESH SCREEN, ONE WAY BLOW, TWO WAY BLOW, THREE WAY BLOW.

MECHANICAL LEGEND table listing symbols for CHWS (Chilled Water Supply), CHWR (Chilled Water Return), HWS (Hot Water Supply), HWR (Hot Water Return), CD (Condensate Drain), RL (Refrigerant Liquid), RS (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
- 1. 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 OWNER'S PROJECT MANAGER THE SYSTEMS DO NOT PERFORM AS SPECIFIED.
  - 2. 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.
  - 3. 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.
  - 4. 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.
  - 5. ALL DUCT IS TO BE CONCEALED ABOVE CEILING OR IN NEW WALLS UNLESS SPECIFICALLY NOTED AS EXPOSED OR SURFACE MOUNTED.
  - 6. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2010 FLORIDA BUILDING CODE AND ALL LOCAL CODES.
  - 7. 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.
  - 8. 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.
  - 9. 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.
  - 10. ALL DUCTWORK SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH NFPA 90A AND 90B.
  - 11. BEFORE FABRICATION, VERIFY AND COORDINATE ALL DIMENSIONS IN FIELD. DUCT SIZES AND ALL OPENINGS THROUGH BUILDING CONSTRUCTION SHALL SUIT EQUIPMENT FURNISHED.
  - 12. ALL WORK SHALL BE COORDINATED WITH ALL TRADES INVOLVED. OFFSETS IN DUCTS AND TRANSITIONS AROUND OBSTRUCTIONS SHALL BE PROVIDED AT NO ADDITIONAL COST.
  - 13. ALL DUCTWORK IS SHOWN SCHEMATICALLY. PROVIDE ALL TRANSITIONS, ELBOWS, FITTINGS, ETC., TO ALLOW SMOOTH FLOWS.
  - 14. ACCESS PANELS IN DUCTWORK AND CEILINGS SHALL BE PROVIDED WHERE REQUIRED FOR OPERATION, BALANCING AND MAINTENANCE OF ALL MECHANICAL EQUIPMENT.
  - 15. 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.
  - 16. DAMPERS AND INSIDES OF DUCTS VISIBLE THROUGH GRILLES, REGISTERS AND DIFFUSERS SHALL BE PAINTED FLAT BLACK.
  - 17. 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.

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MECHANICAL SYMBOLS LEGEND AND DETAILS  
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PROJECT TITLE AND OWNERS NAME

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

475 WEST STORY ROAD  
OCOEE, FL 34761

**PERMIT/BID SUBMITTAL**  
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DATE

MARCH 20, 2014

DRAWING TITLE

**MECHANICAL FLOOR PLAN**

DRAWING NUMBER

**M.101**



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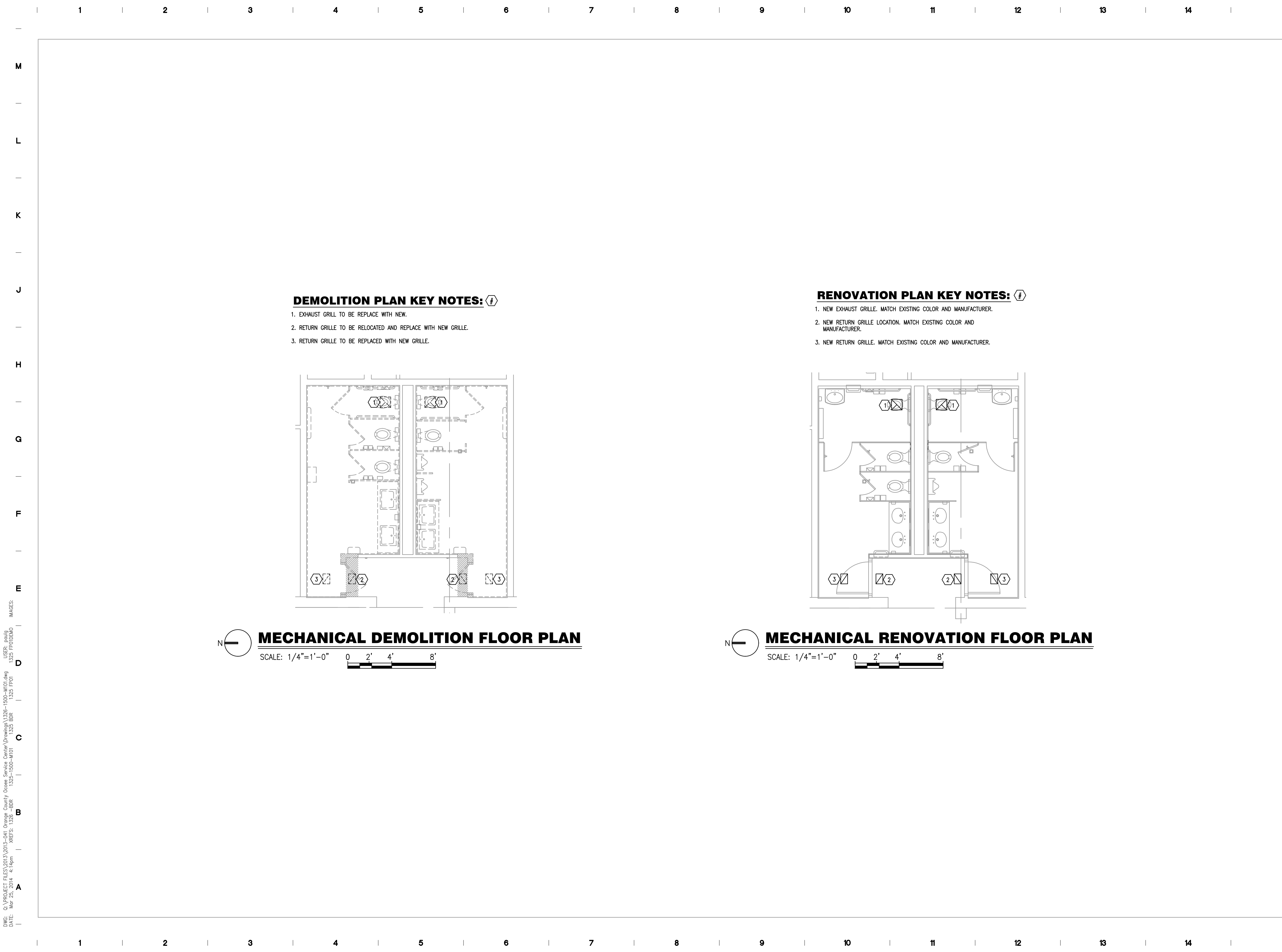
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**MECHANICAL ENLARGED  
PLANS**

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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**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  
 1R1-1 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 DESIGNATIONS ARE INDICATED.

1M1-1:3 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.

1R1-1,3 HOMERUN CONSISTING OF TWO SINGLE-PHASE CIRCUITS: (3) 12 AWG + (1) 12 AWG GND IN 3/4" CONDUIT, UNLESS OTHERWISE NOTED. PANELBOARD AND CIRCUIT DESIGNATIONS ARE INDICATED.

1R1-1,3,5 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.

1M1-1:3:5 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.

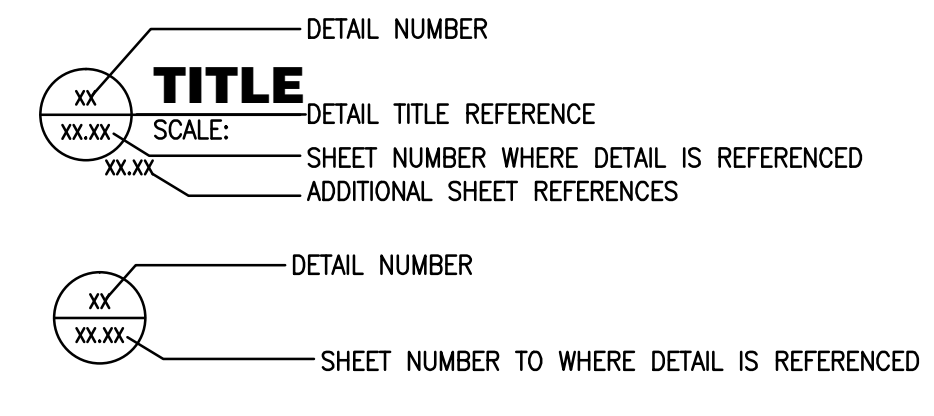
**POWER DEVICES**

⏏ DUPLEX RECEPTACLE, GROUND FAULT, ABOVE COUNTER  
 T 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	HPV HEATING/VENTILATING/	NL NIGHT LIGHT, UNSWITCHED
CL CENTERLINE	HVAC AIR CONDITIONING	PNL PANEL
CT's CURRENT TRANSFORMERS	HV HIGH VOLTAGE	PSI PULL STATION INSIDE
CU COPPER	INC INCANDESCENT	PVC POLYVINYL CHLORIDE
DISC DISCONNECT(ING)	JB JUNCTION BOX	REC RECEPTACLE
DWG DRAWING(S)	kv KILO-VOLTS	RGS RIGID GALVANIZED STEEL
EA EACH	kVA KILO-VOLTS-AMPERES	SPD SURGE PROTECTION DEVICE
ECB ENCLOSED CIRCUIT BREAKER	kVAR KILO-VOLTS-AMPERES REACTIVE	TEL TELEPHONE
EF EXHAUST FAN	kw KILO-WATTS	TYP TYPICAL
EMT ELECTRICAL METALLIC TUBING	kWh KILO-WATT-HOURS	UON UNLESS OTHERWISE NOTED
EQUIP EQUIPMENT	LTG LIGHTING	V VOLTS
EUH ELECTRIC UNIT HEATER	m METER	VA VOLT-AMPERES
EWV ELECTRIC WATER COOLER	mm MILLIMETER	VFD VARIABLE FREQUENCY DRIVE
EWH ELECTRIC WATER HEATER	MAX MAXIMUM	W WATTS
EXH EXHAUST		WP WEATHER PROOF TRANSFORMER



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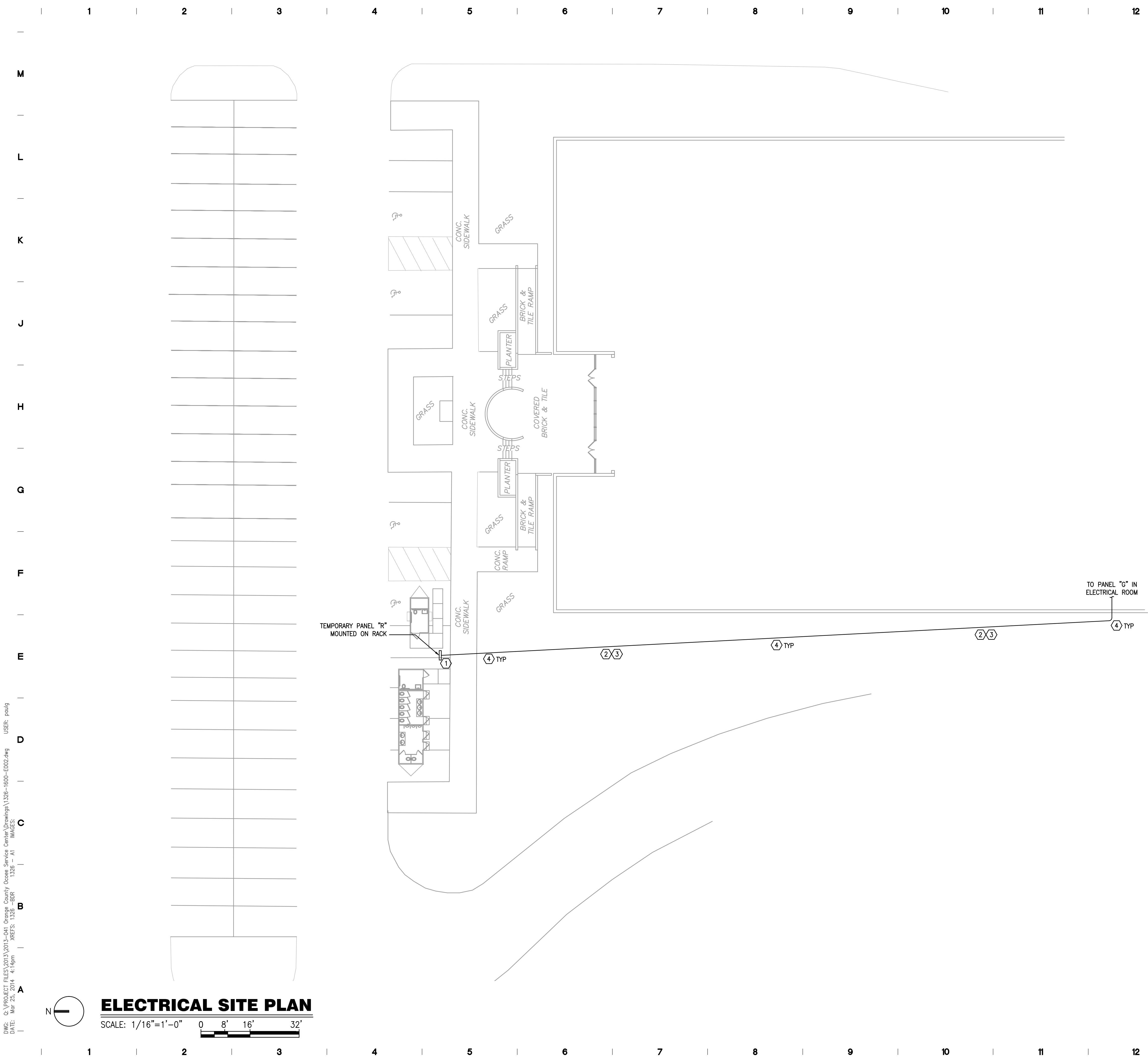
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**ELECTRICAL SYMBOLS LEGEND AND DETAILS**

DRAWING NUMBER

**E.001**

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 PLOT: Mar 20 2014 4:49pm



**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.801 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.



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DRAWING TITLE

**ELECTRICAL SITE PLAN**

DRAWING NUMBER

**E.101**

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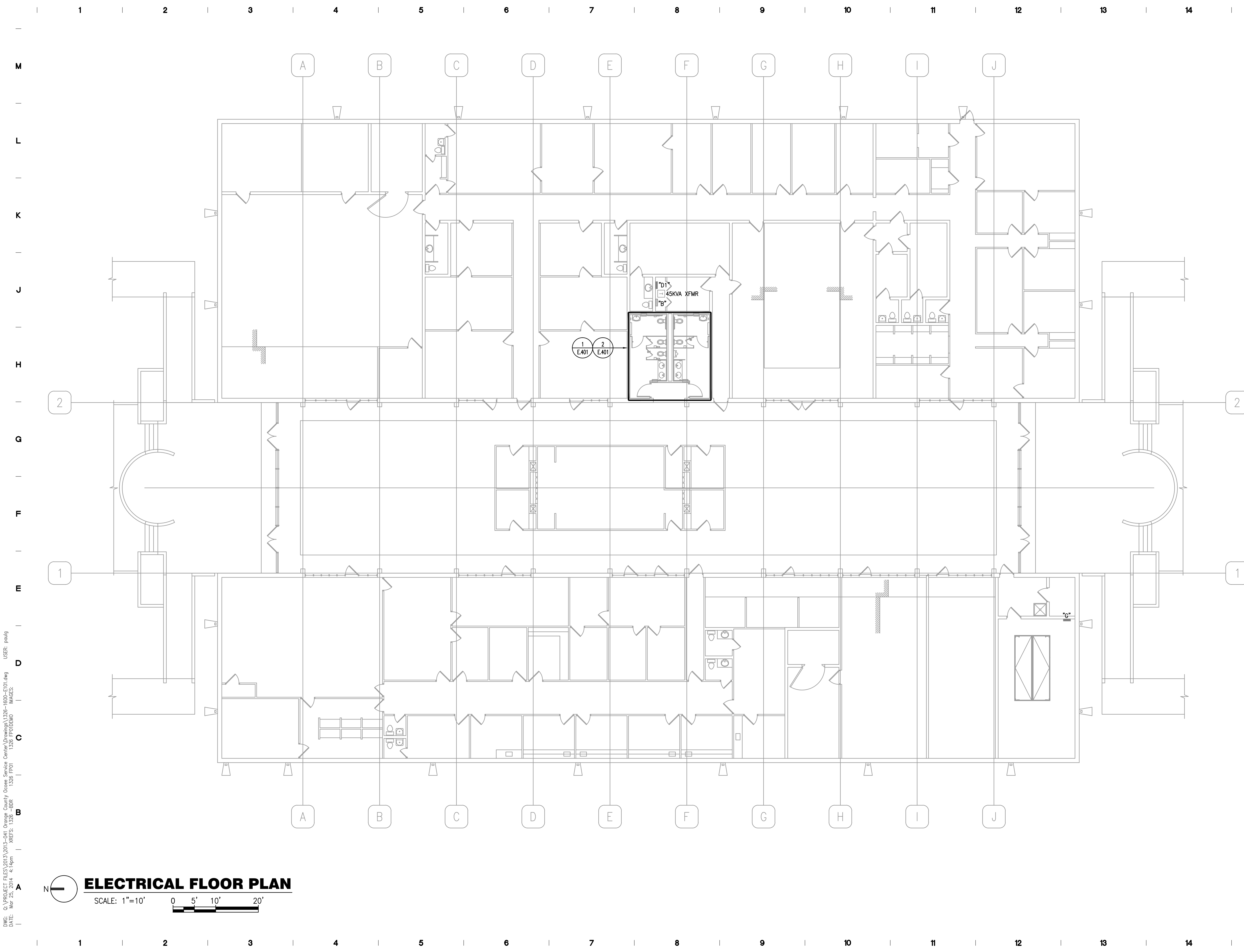
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**ELECTRICAL FLOOR  
PLAN**

DRAWING NUMBER

**E.301**



**ELECTRICAL FLOOR PLAN**

SCALE: 1"=10'  
0 5' 10' 20'

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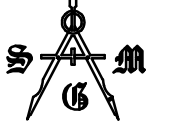
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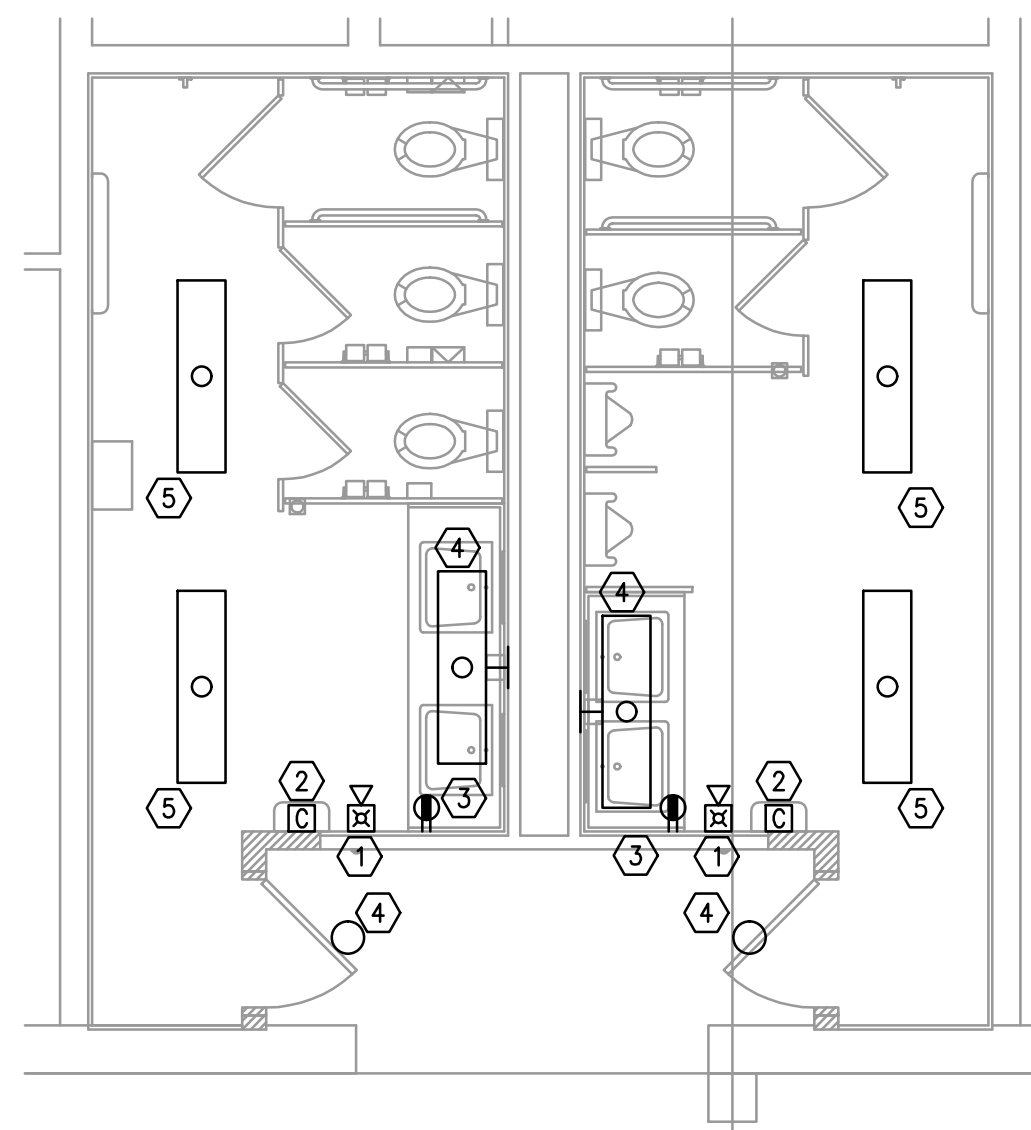
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**ENLARGED  
ELECTRICAL PLANS &  
SCHEDULES**

DRAWING NUMBER

**E.401**

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-EB8P-UNV	COLUMBA ST814-232F-FSA12125-EPU	LITHONIA SP8 F232 A12125 MWOLT 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	



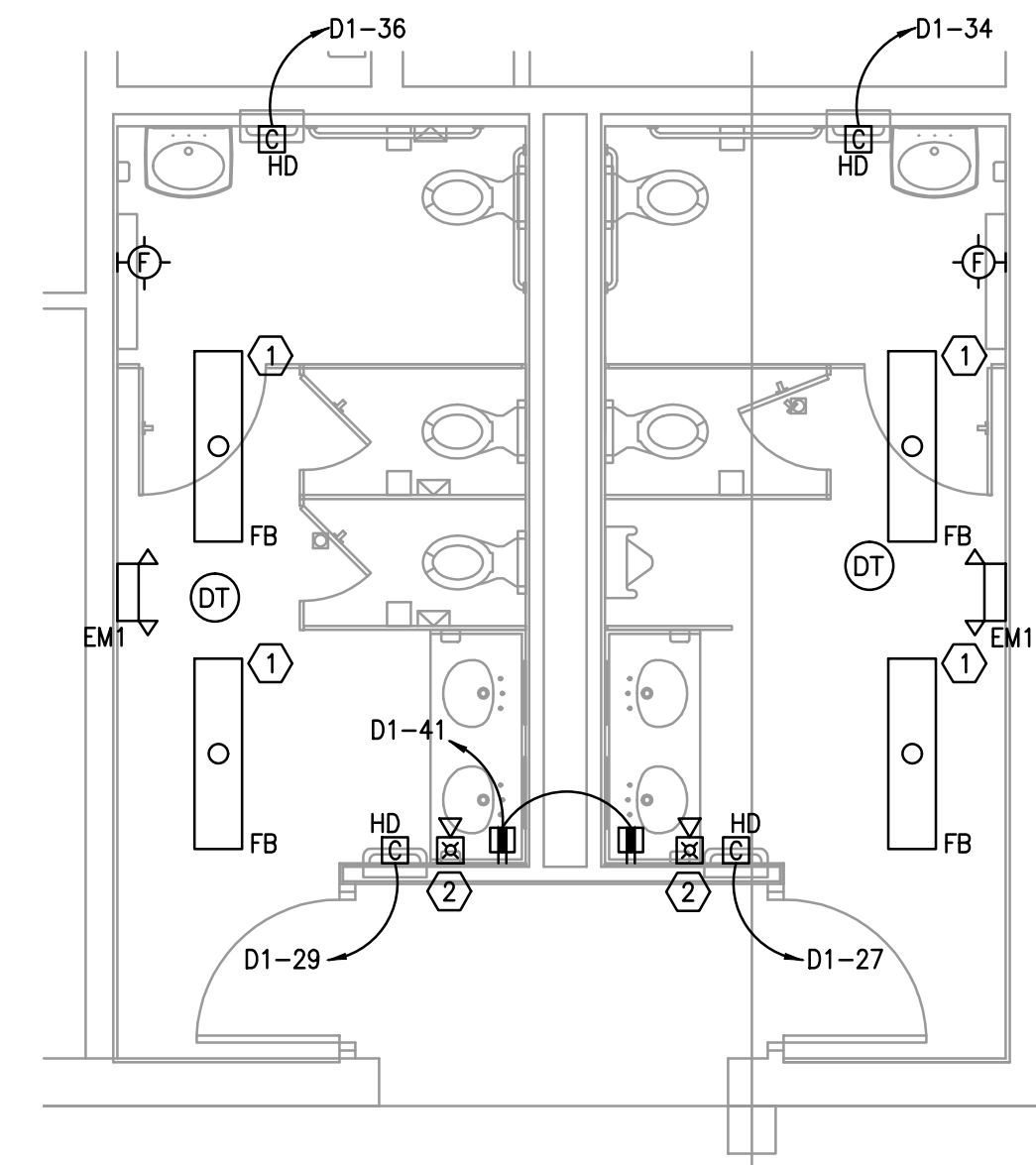
**1**  
E.102 **ENLARGED DEMOLITON PLAN**  
1/4"=1'-0"

**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:** (F)

- 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 AND LABEL CIRCUIT AS "SPARE".
- 5. REMOVE LIGHT FIXTURES SHOWN, MAINTAIN CIRCUIT AND CONTROLS FOR RENOVATION.



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

**GENERAL NOTES:**

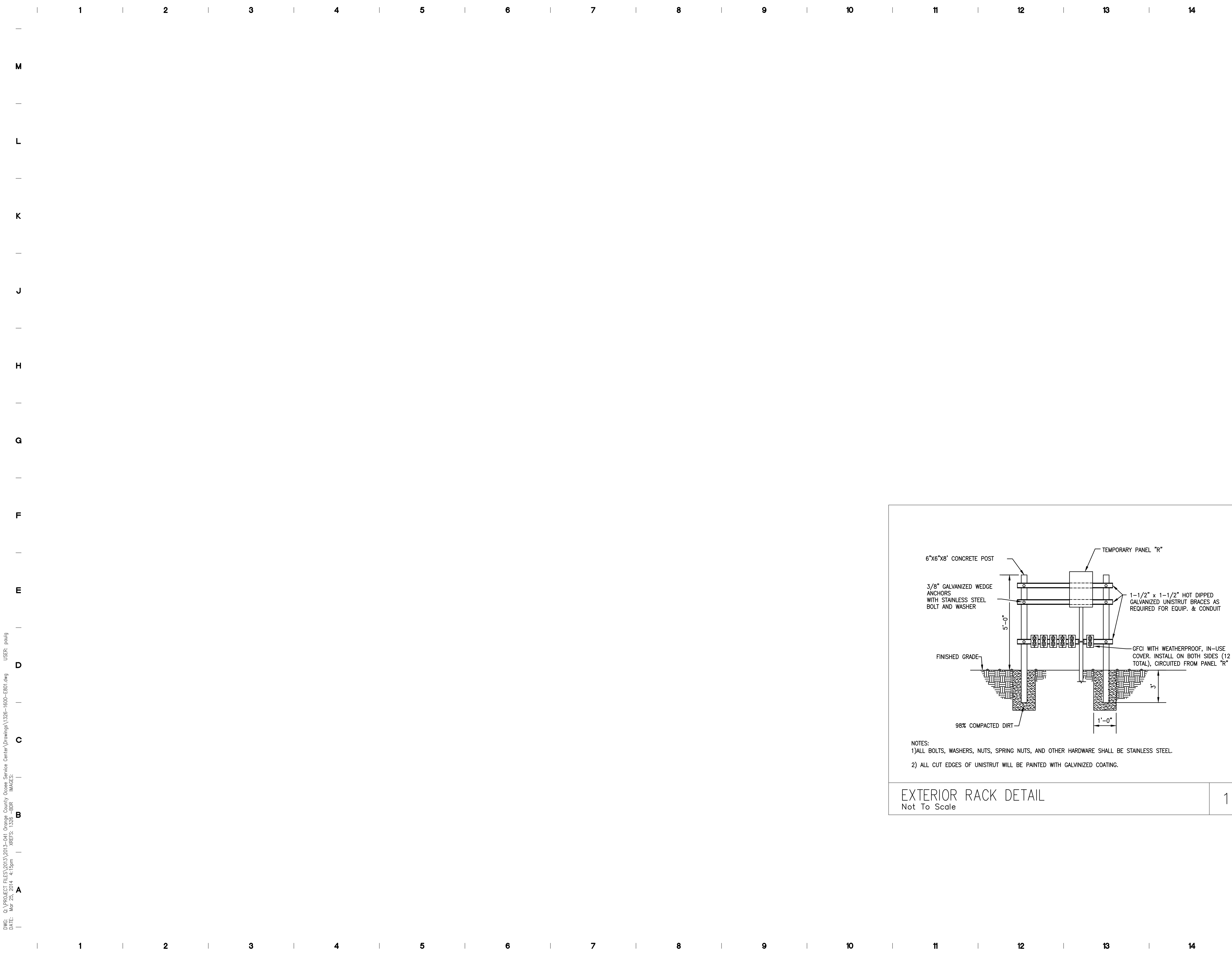
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- b. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS TO COORDINATE EXACT PLACEMENT OF ALL DEVICES, EQUIPMENT, FIXTURES, SWITCHES AND OUTLETS.
- c. ALL EXPOSED CONDUITS ARE TO BE CONCEALED INSIDE THE WALLS.
- d. NEW FIRE ALARM DEVICES MUST BE COMPATIBLE 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:** (F)

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

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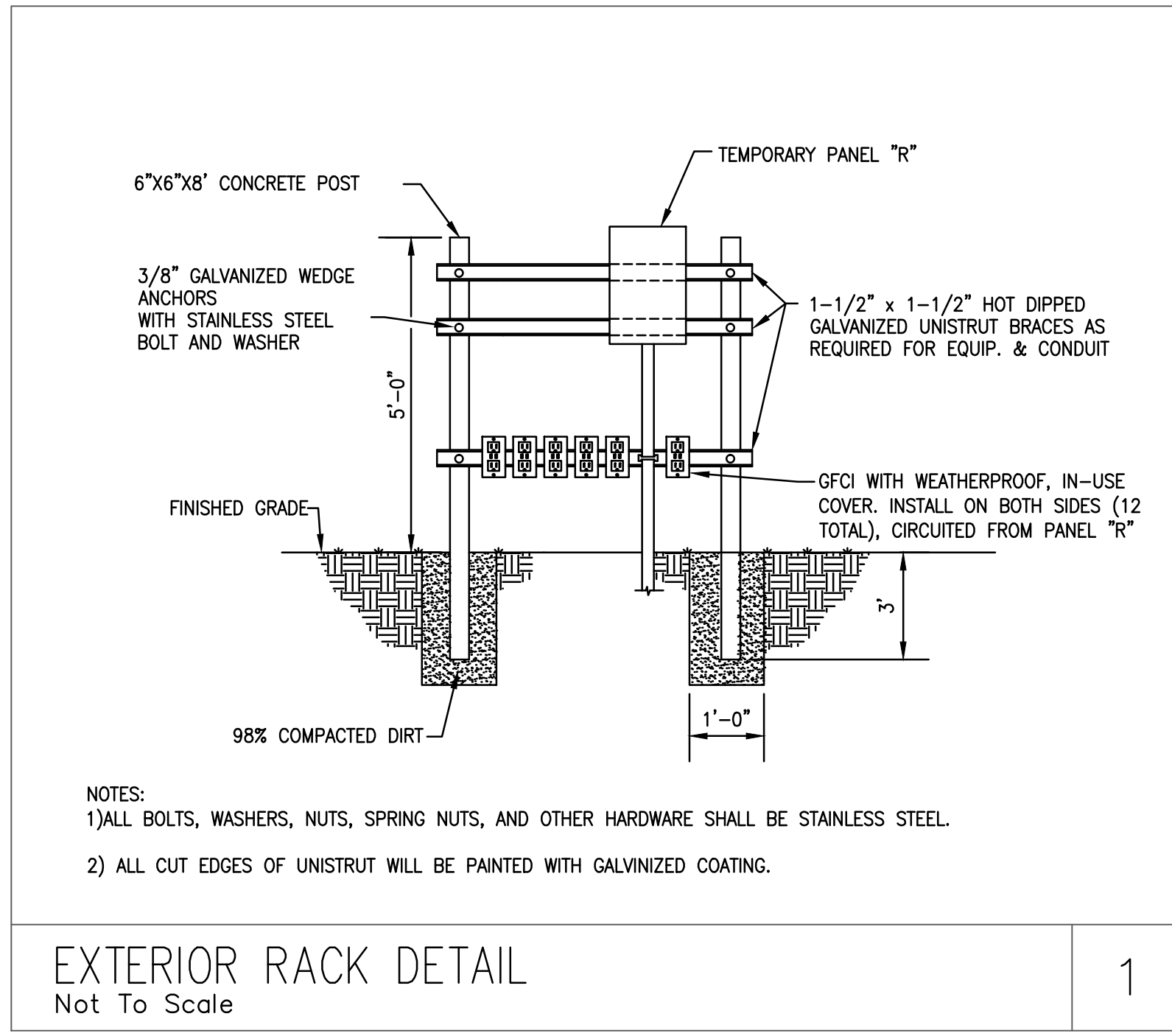
MARCH 20, 2014

DRAWING TITLE

**ELECTRICAL DETAILS**

DRAWING NUMBER

**E.801**



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 USER: psalg  
 DATE: Mar 20, 2014 4:13pm  
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