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USC SCHOOL OF MEDICINE 15 MED PARK BATHROOM RENOVATION

3555 HARDEN STREET EXT. COLUMBIA , SC, 29201

BUILDING CODE SUMMARY

PROJECT INFORMATION

NOTE: CODE INFORMATION FOR AREA OF RENOVATION ONLY.

NAME OF PROJECT:	USC 15 MED PARK BATHROOM RENOVATION
ADDRESS:	3555 HARDEN STREET EXT COLUMBIA, SC 29201
PROPOSED USE:	EXISTING BATHROOMS
OWNER OR AUTHORIZED AGENT:	UNIVERSITY OF SOUTH CAROLINA
OWNED BY:	PRIVATE
CODE ENFORCEMENT JURISDICTION:	CITY OF COLUMBIA

PROJECT DESIGN TEAM

DESIGNER	FIRM	CONTACT	PHONE #
ARCHITECTURAL:	STUDIO 2LR, INC.	GRETCHEN LAMBERT	(803) 233-6602
CIVIL:	--	--	(---) -----
STRUCTURAL:	--	--	(---) -----
PLUMBING:	SWYGERT AND ASSOCIATES, LTD.	TODD SWYGERT	(803) 791-9300
FIRE PROTECTION:	--	--	(---) -----
MECHANICAL:	SWYGERT AND ASSOCIATES, LTD.	BILL LIVINGSTON	(803) 791-9300
SPRINKLER-STANDPIPE:	--	--	(---) -----
ELECTRICAL:	LAND ENGINEERING ASSOCIATES, LLC.	JOE LAND	(803) 528-1437
OTHER:	--	--	(---) -----

CODE COMPLIANCE

INTERNATIONAL BUILDING CODE:	2012 EDITION WITH SC MODIFICATIONS
INTERNATIONAL PLUMBING CODE:	2012 EDITION
INTERNATIONAL MECHANICAL CODE:	2012 EDITION
INTERNATIONAL FIRE CODE:	2012 WITH SC MODIFICATIONS
NATIONAL ELECTRIC CODE:	2011 EDITION
INTERNATIONAL ENERGY CONSERVATION CODE	2009 EDITION
ICC/ANSI - 117.1:	2009 EDITION
ADA STANDARDS FOR ACCESSIBLE DESIGN	2010 EDITION

BUILDING DATA

CONSTRUCTION TYPE (TABLE 503):	VB - ASSUMED, UNKNOWN		
SPRINKLERS:	NO		
STANDPIPES:	NO		
FIRE DISTRICT:	N/A		
BUILDING HEIGHT:	EXIST FEET	4 NUMBER OF STORIES	UNLIMITED PER --
MEZZANINE:	NO		
HIGH RISE:	NO		
GROSS BUILDING AREA:			
FLOOR	EXISTING (SQ. FT.)	NEW (SQ. FT.)	SUB-TOTAL
BASEMENT	XXX	--	1XXX
1ST FLOOR	XXX	--	1XXX
2ND FLOOR	XXX	--	1XXX
3RD FLOOR	XXX	--	1XXX
TOTAL			XXX

ALLOWABLE AREA

PRIMARY OCCUPANCY:	GROUP B	FLOOR AREA PER OCCUPANT (TABLE 1004.1.2):	100 SF GROSS PER PERSON
SECONDARY OCCUPANCY:	--	FLOOR AREA PER OCCUPANT (TABLE 1004.1.2):	--
SPECIAL OCCUPANCY:	--	FLOOR AREA PER OCCUPANT (TABLE 1004.1.2):	--
MIXED OCCUPANCY:	NO	SEPARATION: -- HR.	EXCEPTION: --

- ☐ NON-SEPARATED MIXED OCCUPANCY (302.3.1) THE REQUIRED TYPE OF CONSTRUCTION FOR THE BUILDING SHALL BE DETERMINED BY APPLYING THE HEIGHT AND AREA LIMITATIONS FOR EACH OF THE APPLICABLE OCCUPANCIES FOR THE ENTIRE BUILDING. THE MOST RESTRICTIVE TYPE OF CONSTRUCTION, SO DETERMINED SHALL APPLY TO THE ENTIRE BUILDING.
- ☐ SEPARATED MIXED OCCUPANCY (302.3.2) SEE BELOW FOR AREA CALCULATION FOR EACH STORY. THE AREA OF THE OCCUPANCY SHALL BE SUCH THAT THE SUM OF THE RATIOS FOR THE ACTUAL FLOOR AREA OF EACH USE DIVIDED BY THE ALLOWABLE FLOOR AREA FOR EACH USE SHALL NOT EXCEED 1.

FIRE PROTECTION REQUIREMENTS

LIFE SAFETY SHEET #, IF PROVIDED: N/A

EXIT REQUIREMENTS

NUMBER AND ARRANGEMENTS OF EXITS

FLOOR, ROOM OR SPACE DESIGNATION	MINIMUM NUMBER OF EXITS ²		TRAVEL DISTANCE		ARRANGEMENTS MEANS OF EGRESS (SECTION 1015.2) ^{1,3}	
	REQ'D	SHOWN ON PLANS	ALLOWABLE TRAVEL DISTANCE (TABLE 1016.2)	ACTUAL TRAVEL DISTANCE SHOWN ON PLANS	REQUIRED DISTANCE BETWEEN EXIT DOORS	ACTUAL DISTANCE SHOWN ON PLANS
BUSINESS	X	X	300'	<300'	X'-X"	X'-X"

EXIT WIDTH

USE GROUP OR SPACE DESCRIPTION	(A)	(B)	(C)	EXIT WIDTH (INCHES) ^{2,3,4,5,6}	
	AREA (SQ. FT.)	AREA PER OCCUPANT (TABLE 1004.1.2)	EGRESS WIDTH PER OCCUPANT (TABLE 1005.3.1 AND 1005.3.2)	REQUIRED WIDTH	ACTUAL WIDTH SHOWN ON PLANS
BUSINESS	XXXX SF	100 GROSS	0.2"	XX"	XX"

PLUMBING FIXTURE REQUIREMENTS

BASEMENT:
1ST FLOOR: EXISTING FIXTURE COUNTS TO REMAIN.
2ND FLOOR:
3RD FLOOR: EXISTING FIXTURE COUNTS TO REMAIN.

DRAWING LIST	
SHEET NO.	Sheet Name
AD201	DEMOLITION RCP
GENERAL	
CVR	COVER SHEET AND BUILDING CODE SUMMARY
ARCHITECTURAL	DEMOLITION
AD101	DEMOLITION FLOOR PLANS
AD102	DEMOLITION FLOOR PLANS
ARCHITECTURAL	
A101	FLOOR PLANS
A102	FLOOR PLANS & TYP TOILET DETAILS
A201	REFLECTED CEILING PLANS BASE BID
A202	REFLECTED CEILING PLANS ALTERNATE 1
A401	ELEVATIONS
A801	DOOR SCHEDULE
A901	FINISH SCHEDULE
MECHANICAL	DEMOLITION
MD101	DEMOLITION FLOOR PLANS - ALTERNATE 1
MECHANICAL	
M101	RENOVATION FLOOR PLANS - ALTERNATE 1
M201	DETAILS, NOTES, SCHEDULES AND LEGEND
PLUMBING	DEMOLITION
PD101	DEMOLITION FLOOR PLANS
PLUMBING	
P101	RENOVATION FLOOR PLANS
P201	DETAILS, NOTES, SCHEDULES AND LEGEND
ELECTRICAL	
E100	GENERAL NOTES, LEGEND, AND SCHEDULE
E101	FIRST FLOOR ELECTRICAL PLANS
E102	SECOND FLOOR ELECTRICAL PLANS
E103	THIRD FLOOR ELECTRICAL PLANS

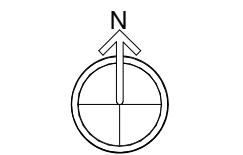
ABBREVIATIONS

#	POUND OR NUMBER	F.O.	FACE OF
&	AND	GA.	GAUGE
@	AT	GALV.	GALVENIZED
A.C.T.	ACOUSTICAL CEILING TILE	GYP.	GYPSUM
A.F.F.	ABOVE FINISHED FLOOR	GYP. BRD.	GYPSUM WALLBOARD
ALUM.	ALUMINUM	H.	HIGH
ANOD.	ANODIZED	H.M.	HOLLOW METAL
APPROX.	APPROXIMATE	HVAC	HEATING, VENTILATION, AND AIR CONDITIONING
B.O.	BOTTOM OF	INSUL.	INSULATION
C.I.P.	CAST IN PLACE	MAX.	MAXIMUM
C.J.	CONTROL JOINT	M.O.	MASONRY OPENING
CLG.	CEILING	MECH.	MECHANICAL
CLR.	CLEAR	MIN.	MINIMUM
CMU	CONCRETE MASONRY UNIT	MTL.	METAL
COL.	COLUMN	N.I.C.	NOT IN CONTRACT
CONC.	CONCRETE	NO.	NUMBER
CONT.	CONTINUOUS	NOM.	NOMINAL
CPT.	CARPET	O.C.	ON CENTER
C.T.	CERAMIC TILE	O.H.	OVERHEAD
DEMO	DEMOLISH	OPP. HAND	OPPOSITE HAND
DIA.	DIAMETER	PLYWD.	PLYWOOD
DIM.	DIMENSION	P.T.	PRESSURE TREATED
DIMS.	DIMENSIONS	PVC	POLYVINYL CHLORIDE
DN.	DOWN	R.C.P.	REFLECTED CEILING PLAN
DR.	DOOR	R.D.	ROOF DRAIN
DWG.	DRAWING	REQD.	REQUIRED
EA.	EACH	RM.	ROOM
ELEC.	ELECTRICAL	SIM.	SIMILAR
ELEV.	ELEVATION OR ELEVATOR	SS	STAINLESS STEEL
EPDM	ETHYLENE PROPYLENE DIENE M-CLASS (ROOFING)	STL.	STEEL
EQ.	EQUAL	STRUCT.	STRUCTURAL
EXIST.	EXISTING	T&G	TONGUE AND GROOVE
EXP. JT.	EXPANSION JOINT	TELE.	TELEPHONE
EXT.	EXTERIOR	TLT.	TOILET
E.W.C.	ELECTRIC WATER COOLER	T.O.	TOP OF
F.D.	FLOOR DRAIN	T.O.S.	TOP OF STEEL
F.E.	FIRE EXTINGUISHER	TYP.	TYPICAL
F.E.C.	FIRE EXTINGUISHER CABINET	U.O.N.	UNLESS OTHERWISE NOTED
FLR.	FLOOR	V.I.F.	VERIFY IN FIELD
		W/	WITH
		WD.	WOOD

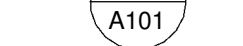
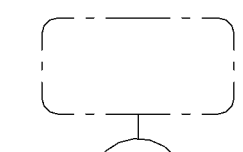
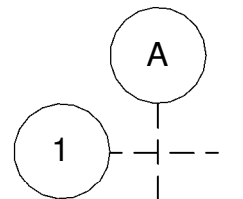
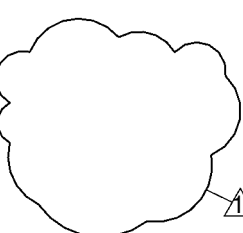
DRAWING CONVENTIONS

IDENTITY SYMBOLS

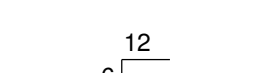
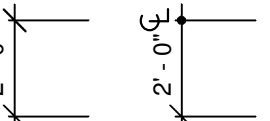
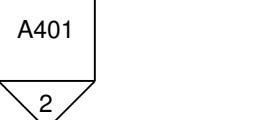
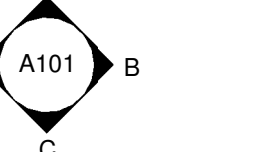
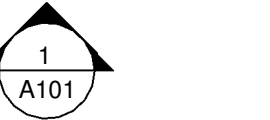
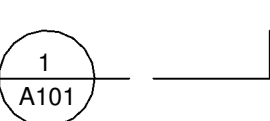
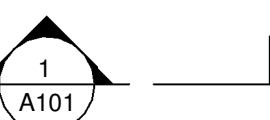
1 View Name
1/8" = 1'-0"



LEVEL NAME
ELEVATION



REFERENCE SYMBOLS



LINE SYMBOLS

--- CENTER LINE

--- DEMOLISHED

--- HIDDEN

--- OVERHEAD

--- PROPERTY LINE

◆ --- ◆ MATCH LINE

--- 1 HOUR RATING

--- 2 HOUR RATING

--- 3 HOUR RATING

--- 4 HOUR RATING

--- EXIT SEPARATION

95% REVIEW SET - 05/06/15

STUDIO 2LR, INC.
801 GERVAIS ST., SUITE 201
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P 803.233.6602 F 802.233.6613
STUDIO2LR.COM

STUDIO 2LR | ARCHITECTURE + INTERIORS

CLIENT NAME
USC SCHOOL OF MEDICINE

PROJECT NAME
15 MED PARK BATHROOM
RENOVATION

LOCATION
3555 HARDEN STREET EXT. COLUMBIA, SC
29201

REVISIONS

NO.	DATE	DESCRIPTION
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PROJECT NUMBER 15012

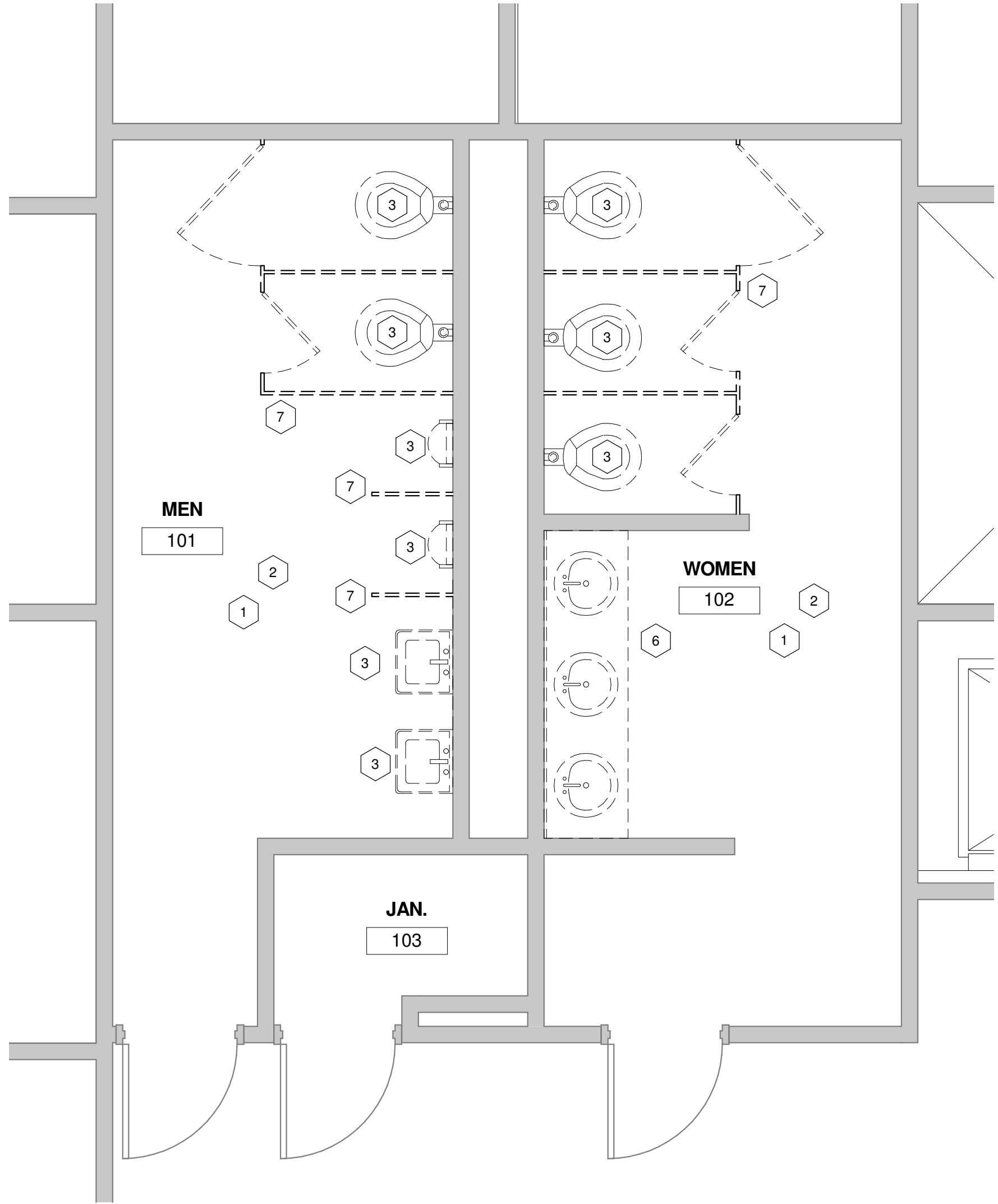
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CVR

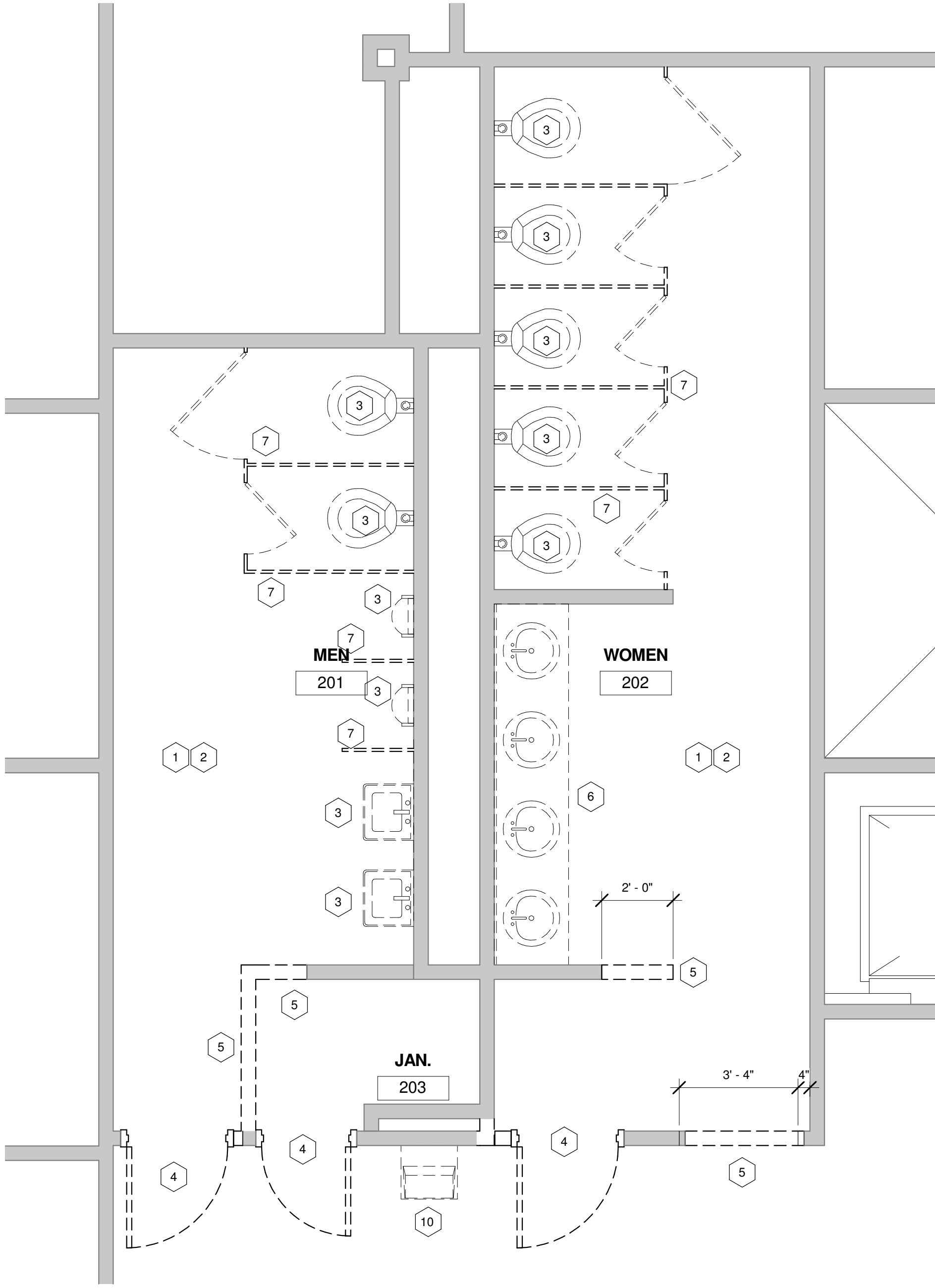
COVER SHEET AND
BUILDING CODE
SUMMARY

DATE 05/06/2015

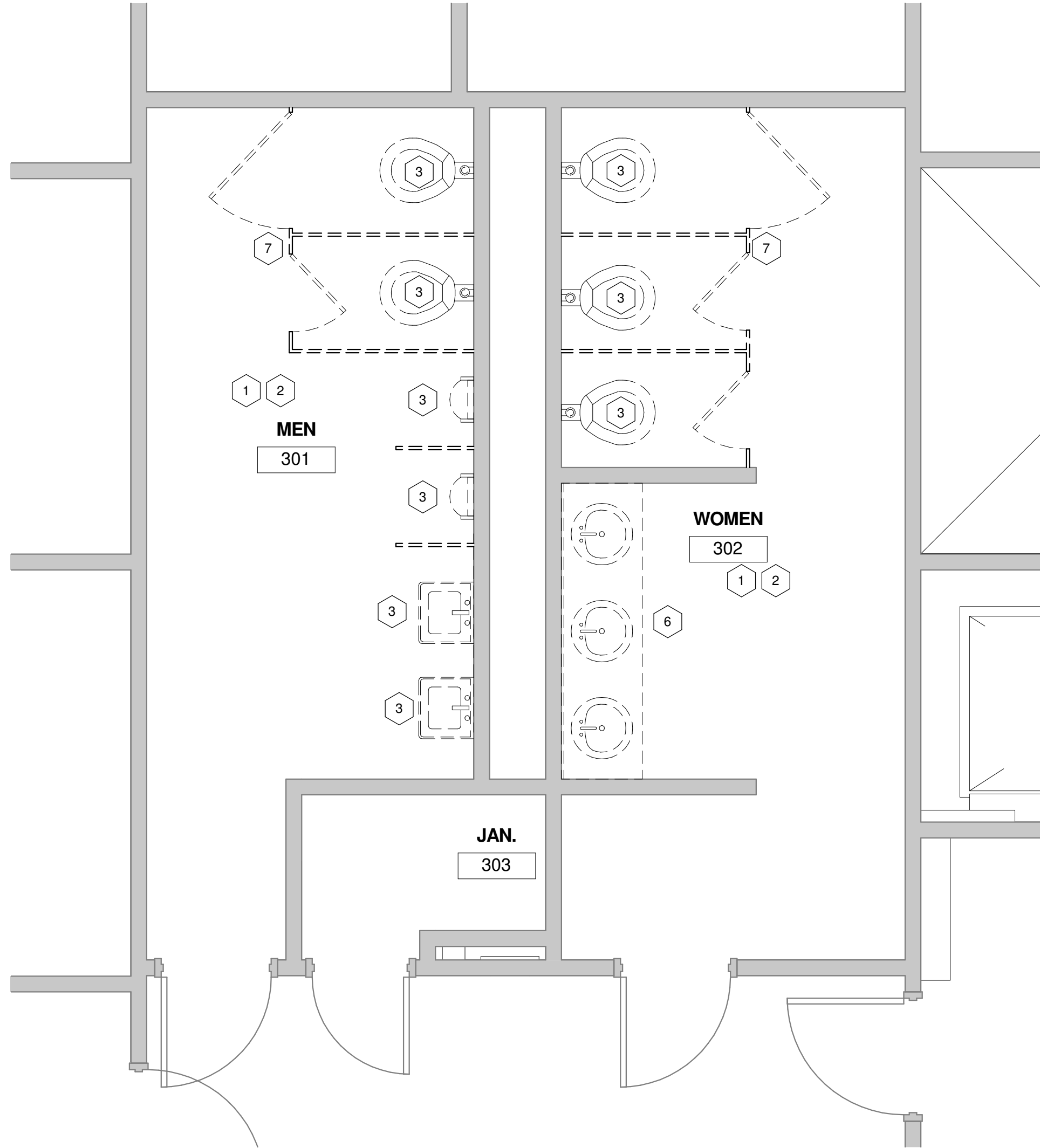
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1 FIRST FLOOR TOILETS DEMOLITION
3/8" = 1'-0"



2 SECOND FLOOR TOILETS DEMOLITION
3/8" = 1'-0"



3 THIRD FLOOR TOILETS DEMOLITION
3/8" = 1'-0"

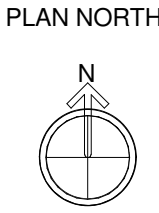
GENERAL DEMOLITION NOTES

1. EXISTING CONDITIONS AND DEMOLITION NOTES BASED ON EXISTING DRAWINGS BUT NOT ON AS BUILTS. GENERAL CONTRACTOR TO FIELD VERIFY CONDITIONS PRIOR TO START OF CONSTRUCTION. IF GENERAL CONTRACTOR DISCOVERS EXISTING CONDITIONS DIFFER FROM THOSE SHOWN, NOTIFY OWNER OR ARCHITECT IMMEDIATELY.
2. GENERAL CONTRACTOR TO PROTECT ALL ADJACENT SURFACES TO REMAIN FROM DAMAGE DURING DEMOLITION. GENERAL CONTRACTOR TO REPAIR/REPLACE ANY ADJACENT SURFACES DAMAGED DURING CONSTRUCTION TO MATCH ORIGINAL CONDITIONS.
- SELECTIVE DEMOLITION
1. DEMOLISH AND REMOVE EXISTING CONSTRUCTION ONLY TO THE EXTENT REQUIRED BY NEW CONSTRUCTION AND AS INDICATED. USE METHODS REQUIRED TO COMPLETE THE WORK WITHIN LIMITATIONS OF GOVERNING REGULATIONS.
2. PROCEED WITH SELECTIVE DEMOLITION SYSTEMATICALLY, FROM HIGHER TO LOWER LEVEL.
3. DISPOSE OF DEMOLISHED ITEMS AND MATERIALS PROMPTLY. EXCEPT FOR ITEMS OR MATERIALS INDICATED TO BE REUSED, SALVAGED, REINSTALLED, OR OTHERWISE INDICATED TO REMAIN, REMOVE DEMOLISHED MATERIALS FROM SITE AND LEGALLY DISPOSE OF THEM IN AN EPA-APPROVED LANDFILL. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE.
4. DO NOT USE CUTTING TORCHES UNTIL WORK AREA IS CLEARED OF FLAMMABLE MATERIALS. MAINTAIN PORTABLE FIRE SUPPRESSION DEVICES DURING FLAME-CUTTING OPERATIONS.
5. MAINTAIN ADEQUATE VENTILATION WHEN USING CUTTING TORCHES.
6. REMOVE DECAYED, VERMIN-INFESTED, OR OTHERWISE DANGEROUS OR UNSUITABLE MATERIALS AND PROMPTLY DISPOSE OF OFF-SITE.
7. LOCATE SELECTIVE DEMOLITION EQUIPMENT AND REMOVE DEBRIS AND MATERIALS SO AS NOT TO IMPOSE EXCESSIVE LOADS ON SUPPORTING WALLS, FLOORS OR FRAMING.
8. SALVAGE ALL WINDOW TREATMENTS FROM EXISTING WINDOW UNITS TO BE REMOVED.
9. REMOVE AND LEGALLY DISPOSE ALL EXISTING PLANT MATERIAL.
- UTILITY SERVICES AND MECHANICAL/ELECTRICAL SYSTEMS
1. EXISTING SERVICES/SYSTEMS: MAINTAIN EXISTING SERVICES AND PROTECT THEM AGAINST DAMAGE DURING SELECTIVE DEMOLITION OPERATIONS.
2. SERVICE/SYSTEM REQUIREMENTS: LOCATE, IDENTIFY, DISCONNECT AND SEAL OR CAP OFF INDICATED UTILITY SERVICES AND MECHANICAL/ELECTRICAL SYSTEMS SERVICING AREAS TO BE SELECTIVELY DEMOLISHED.

- CLEANING
1. CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT AND DEBRIS CAUSED BY SELECTIVE DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING BEFORE SELECTIVE DEMOLITION OPERATIONS BEGAN.
- TEMPORARY SHORING
1. PROVIDE AND MAINTAIN SHORING, BRACING AND STRUCTURAL SUPPORTS AS REQUIRED TO PRESERVE STABILITY AND PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF CONSTRUCTION AND FINISHES TO REMAIN, AND TO PREVENT UNEXPECTED OR UNCONTROLLED MOVEMENT OR COLLAPSE OF CONSTRUCTION BEING DEMOLISHED. STRENGTHEN OR ADD NEW SUPPORTS WHEN REQUIRED DURING PROGRESS OF SELECTIVE DEMOLITION.

PLAN DEMOLITION LEGEND

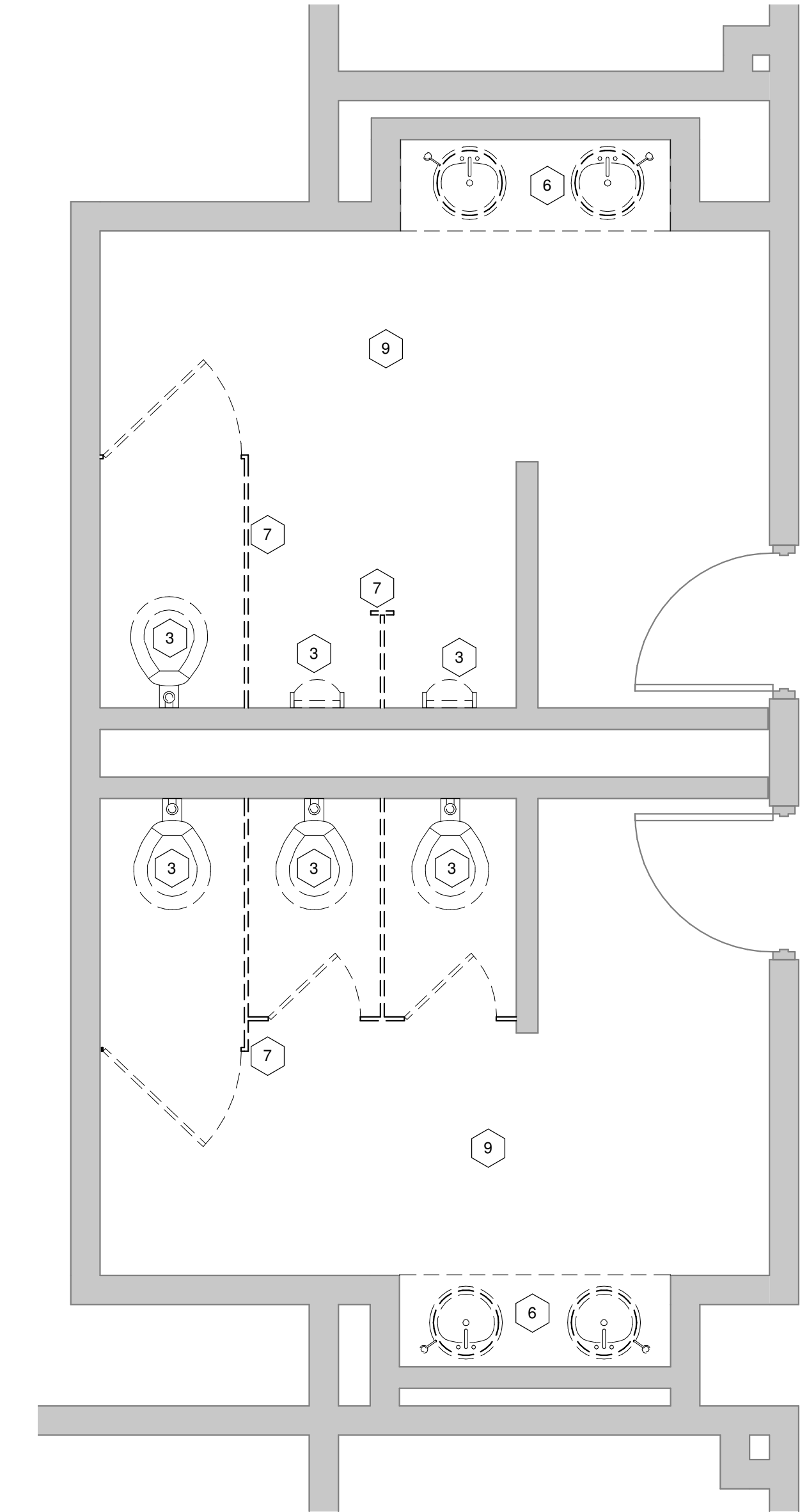
- 1 DEMOLISH AND REMOVE EXISTING FLOOR TILE COMPLETE.
- 2 DEMOLISH AND REMOVE EXISTING WALL TILE COMPLETE
- 3 REMOVE EXISTING PLUMBING FIXTURE AND PREPARE PLUMBING FOR NEW FIXTURE
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- 5 REMOVE EXISTING WALL
- 6 REMOVE EXISTING VANITY COMPLETE
- 7 REMOVE EXISTING TOILET PARTITION
- 8 EXISTING PLUMBING FIXTURE TO REMAIN
- 9 EXISTING FLOOR TILE TO REMAIN, PATCH AND REPAIR TO MATCH EXISTING



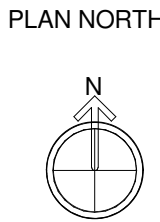
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<div>CLIENT NAME USC SCHOOL OF MEDICINE</div>					
<div>PROJECT NAME 15 MED PARK BATHROOM RENOVATION</div>					
<div>LOCATION 3555 HARDEN STREET EXT., COLUMBIA, SC 29201</div>					
REVISIONS					
NO.	DATE	DESCRIPTION			
PROJECT NUMBER			15012		
SHEET NUMBER			AD101		
SHEET NAME			DEMOLITION FLOOR PLANS		
DATE			05/06/2015		

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1 BASEMENT TOILETS DEMOLITION
3/8" = 1'-0"



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9. REMOVE AND LEGALLY DISPOSE ALL EXISTING PLANT MATERIAL.

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MASONRY
1. DEMOLISH IN SMALL SECTIONS. CUT MASONRY AT JUNCTURES WITH CONSTRUCTION TO REMAIN, USING POWER-DRIVEN SAW, THEN REMOVE MASONRY BETWEEN SAW CUTS.

CLEANING
1. CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT AND DEBRIS CAUSED BY SELECTIVE DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING BEFORE SELECTIVE DEMOLITION OPERATIONS BEGAN.

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PLAN DEMOLITION LEGEND

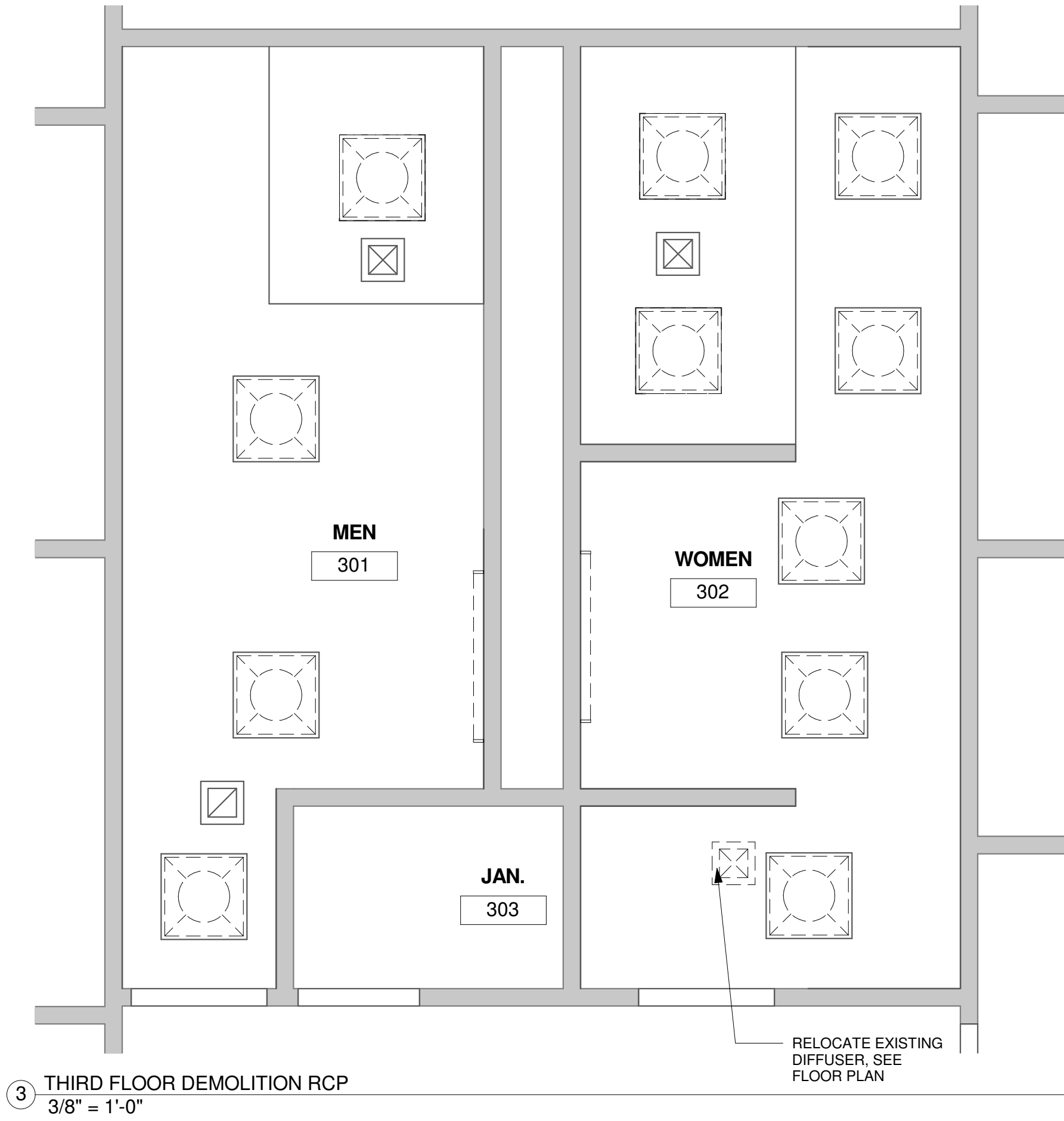
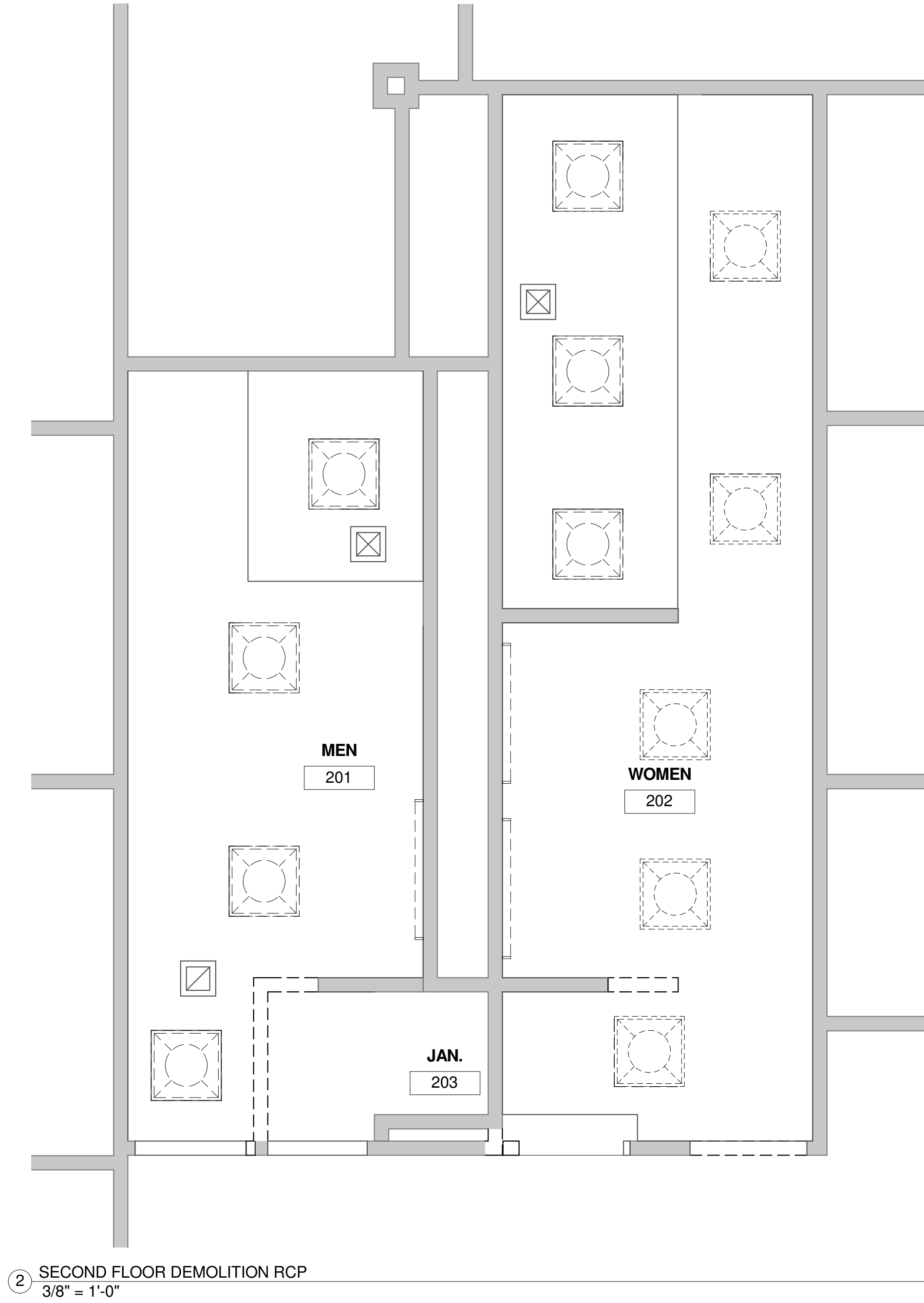
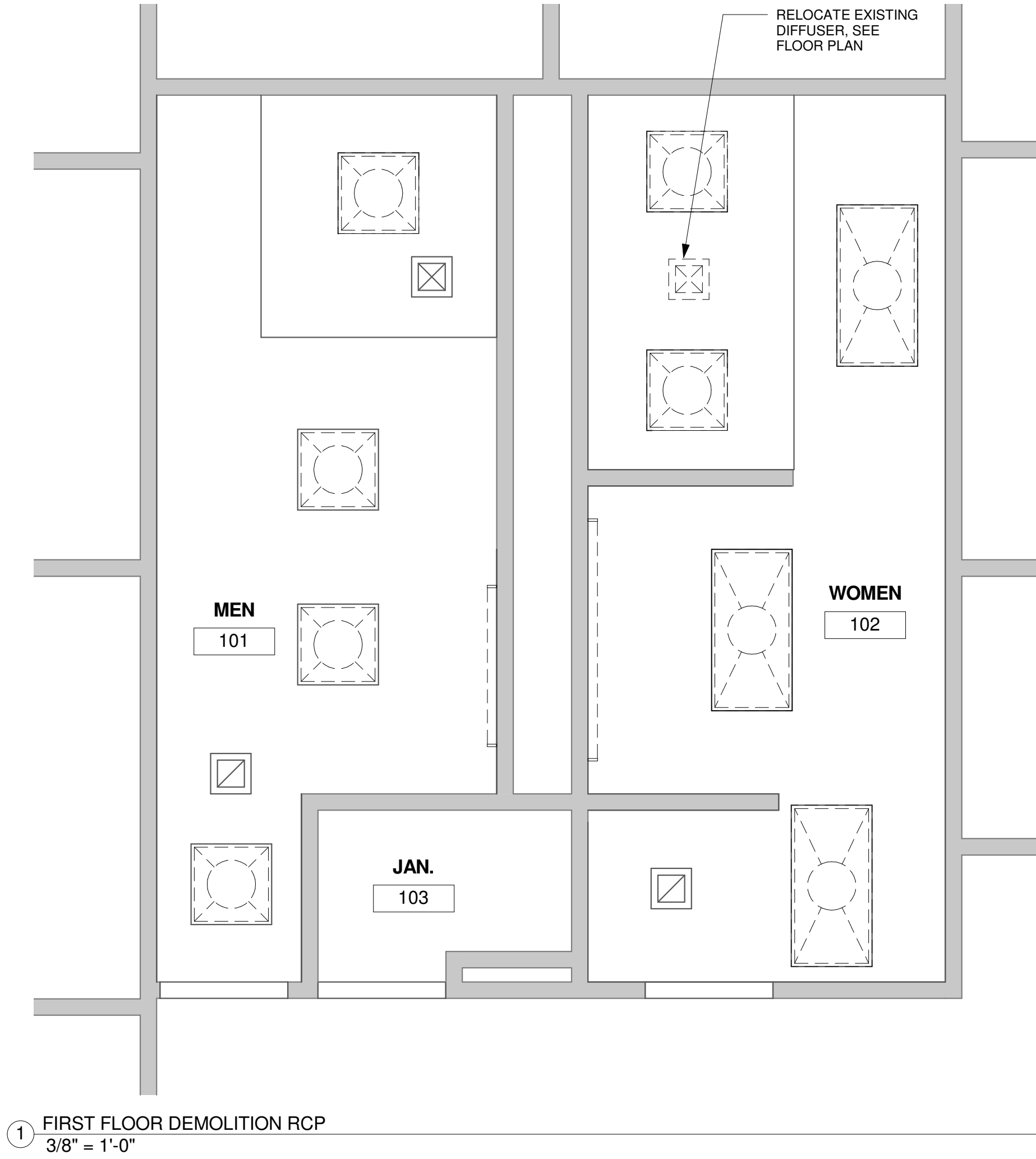
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- 7 REMOVE EXISTING TOILET PARTITION
- 8 EXISTING PLUMBING FIXTURE TO REMAIN
- 9 EXISTING FLOOR TILE TO REMAIN, PATCH AND REPAIR TO MATCH EXISTING
- 10 REMOVE EXISTING DRINKING FOUNTAIN COMPLETE

95% REVIEW SET - 05/06/15

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REVISIONS					
NO.	DATE	DESCRIPTION			
PROJECT NUMBER 15012					
SHEET NUMBER					
AD102					
SHEET NAME					
DEMOLITION FLOOR PLANS					
DATE 05/06/2015					

05/20/2015 14:38 PM

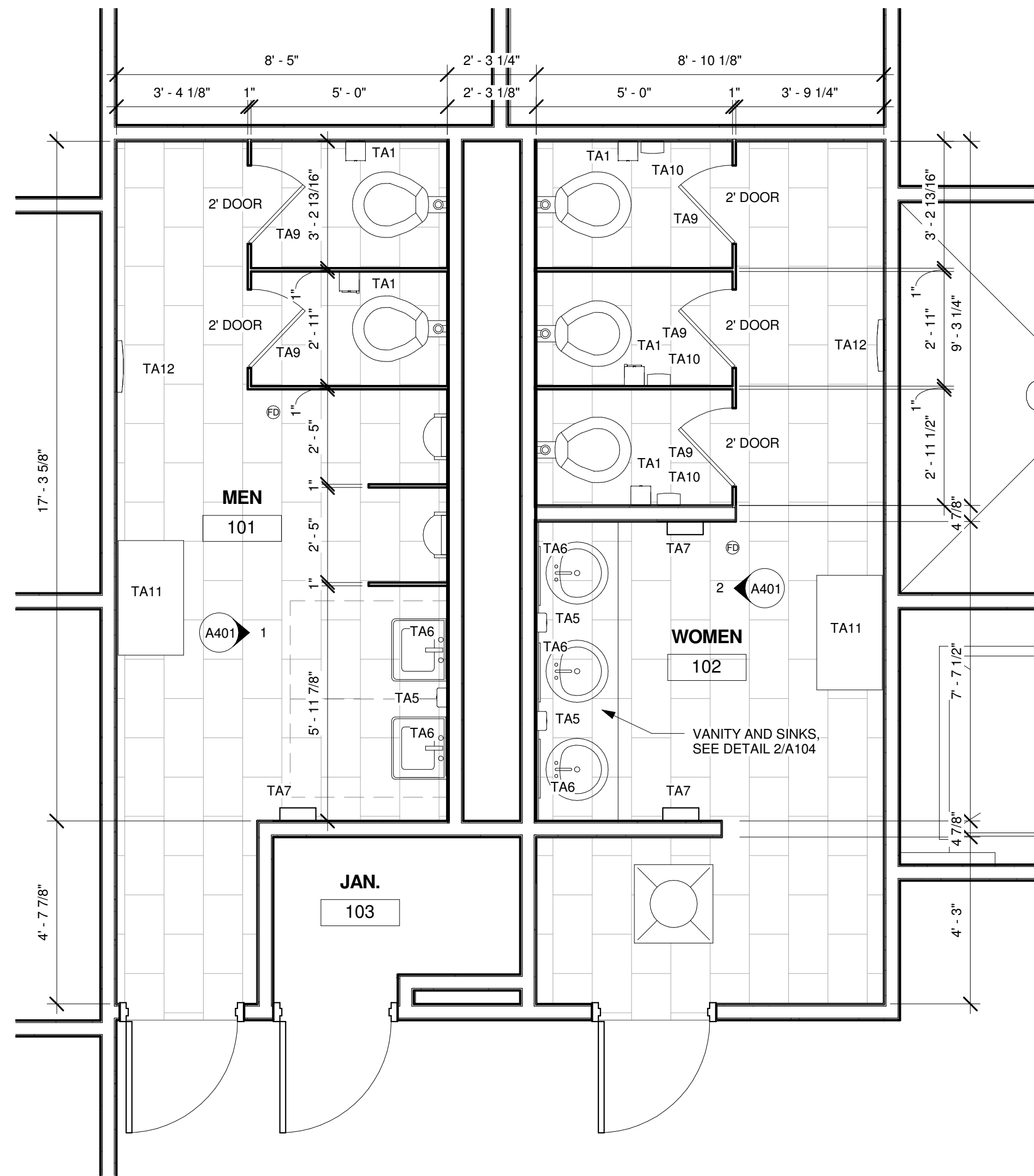
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CLIENT NAME USC SCHOOL OF MEDICINE		PROJECT NAME 15 MED PARK BATHROOM RENOVATION		LOCATION 3555 HARDEN STREET EXT., COLUMBIA, SC 29201	
REVISIONS					
NO.	DATE	DESCRIPTION			
PROJECT NUMBER		15012			
SHEET NUMBER		AD201			
SHEET NAME		DEMOLITION RCP			
DATE		05/06/2015			

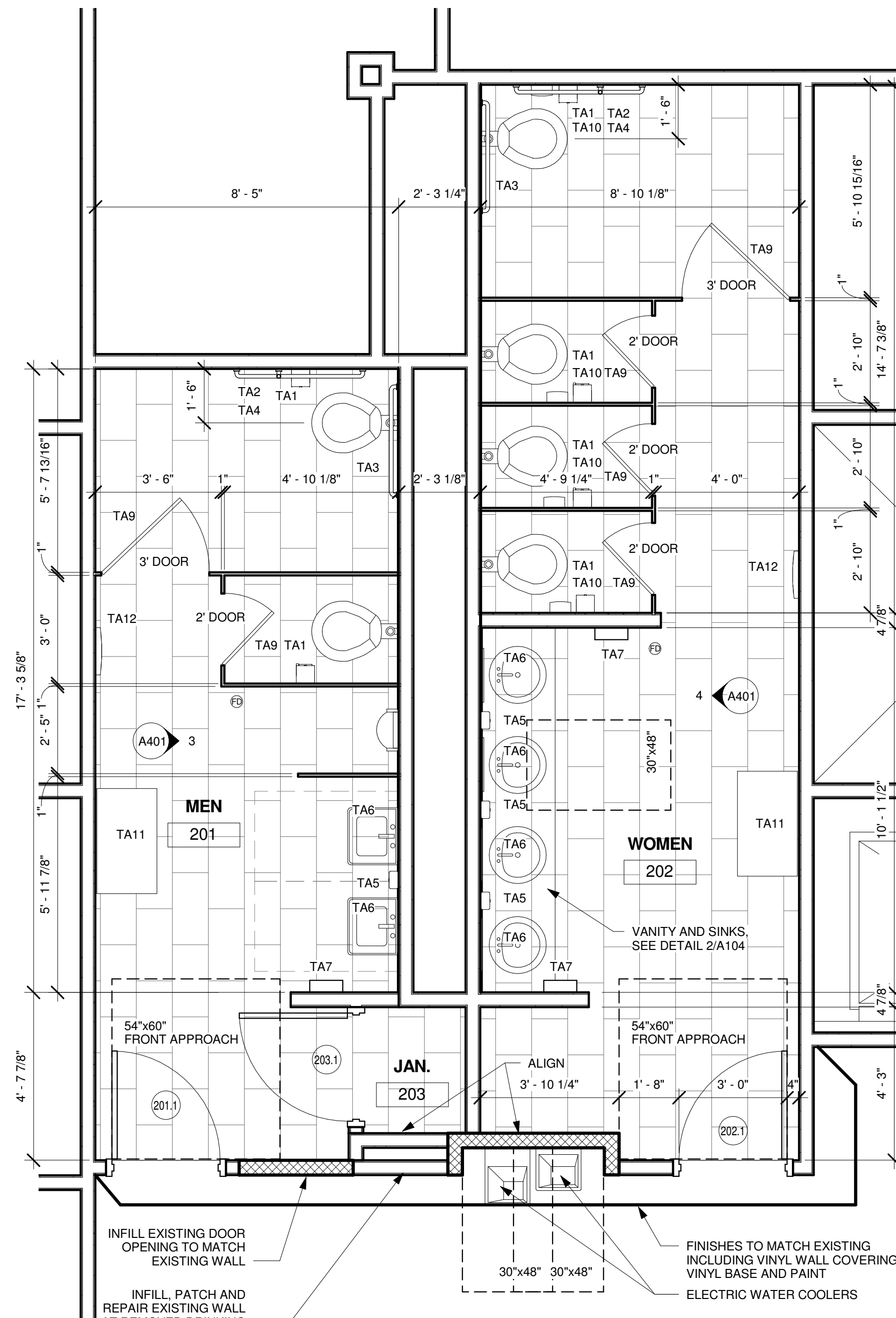
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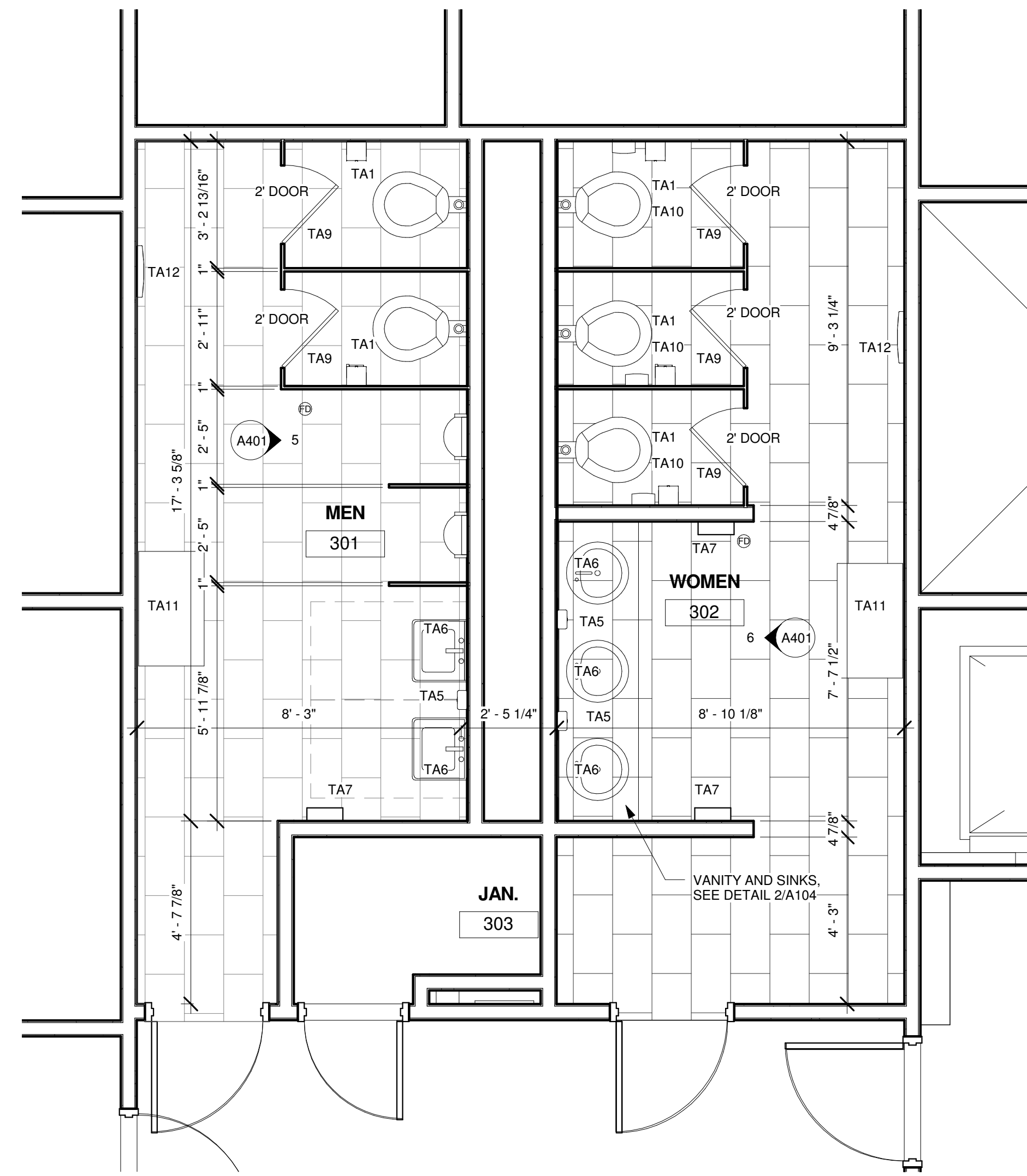
1 FIRST FLOOR TOILETS
3/8" = 1'-0"

TOILET ACCESSORY SCHEDULE

- TA1 - TOILET PAPER DISPENSER BY OWNER'S VENDOR
- TA2 - 42" GRAB BAR
- TA3 - 36" GRAB BAR
- TA4 - 18" GRAB BAR
- TA5 - SOAP DISPENSER BY OWNER'S VENDOR
- TA6 - MIRROR
- TA7 - PAPER TOWEL DISPENSER BY OWNER'S VENDOR
- TA8 - MOP/BROOM HOLDER
- TA9 - COAT/ROBE HOOK
- TA10 - SANITARY NAPKIN DISPENSER
- TA11 - BABY CHANGING STATION
- TA12 - TOILET SEAT COVER DISPENSER



② SECOND FLOOR TOILETS
3/8" = 1'-0"



③ THIRD FLOOR TOILETS
3/8" = 1'-0"



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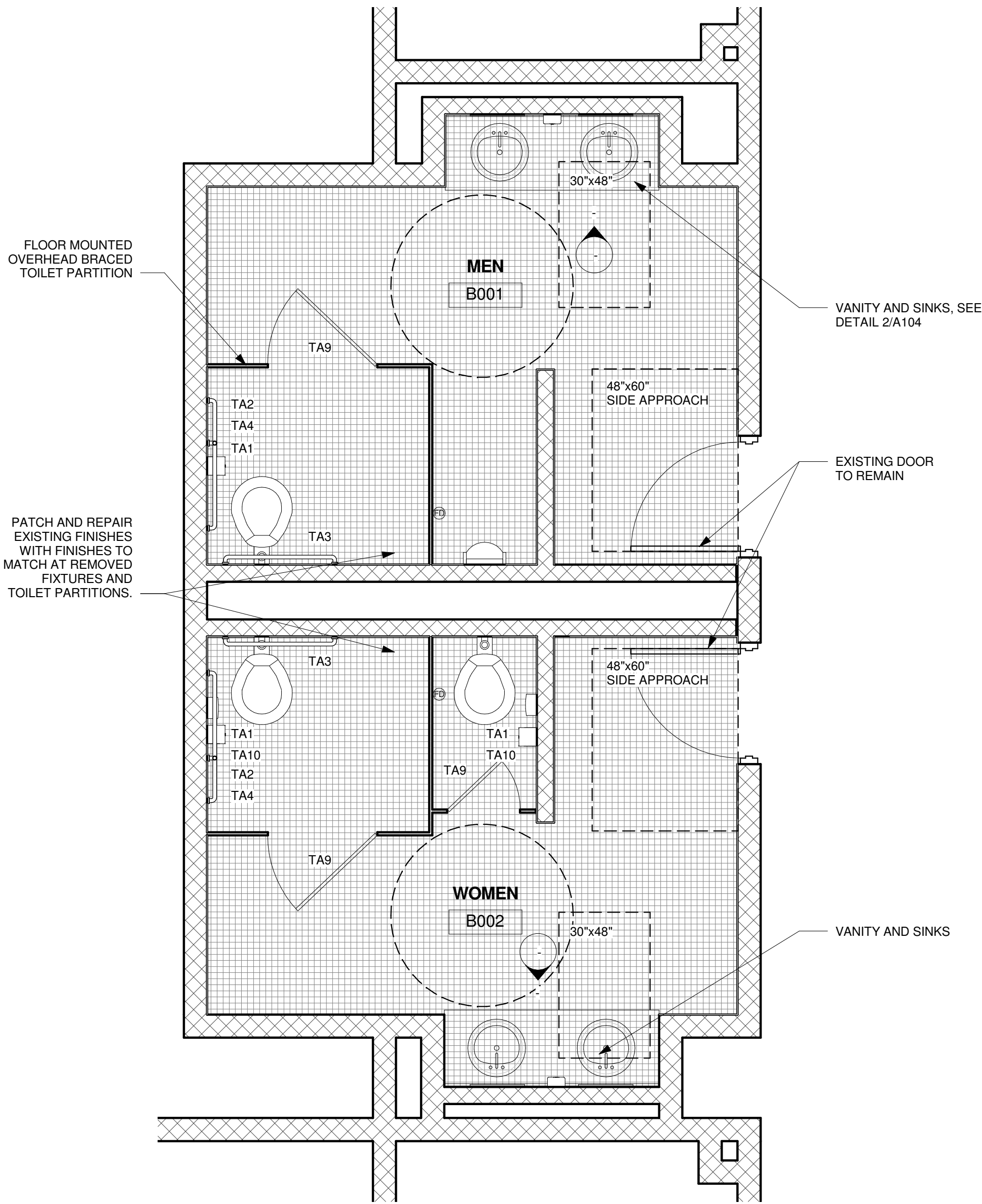
REVISIONS		
NO.	DATE	DESCRIPTION
PROJECT NUMBER		15012
SHEET NUMBER		
A101		
SHEET NAME		
FLOOR PLANS		
DATE		05/06/2015

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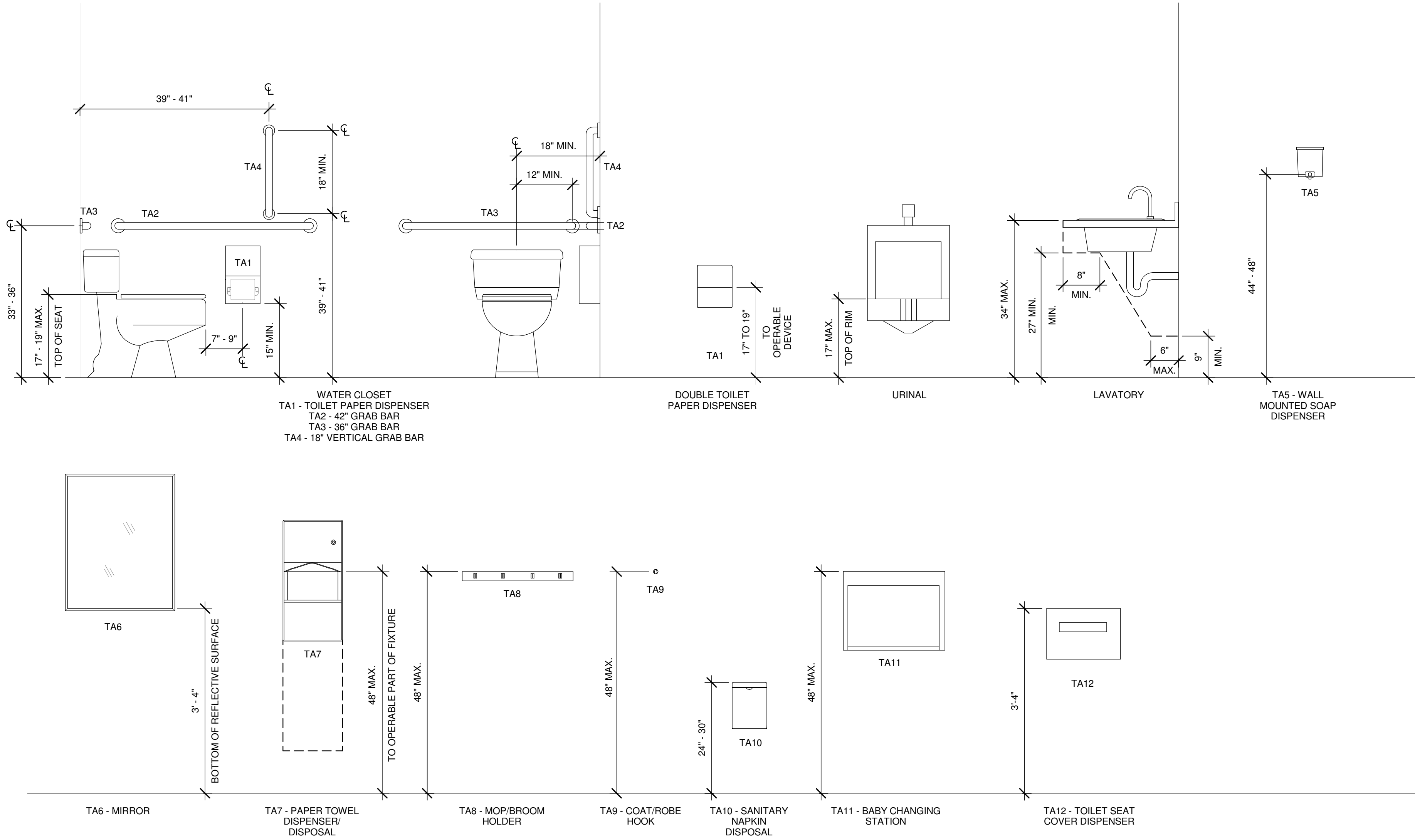
STUDIO 2LR | ARCHITECTURE + INTERIORS

25/2015 1:43:18 PM

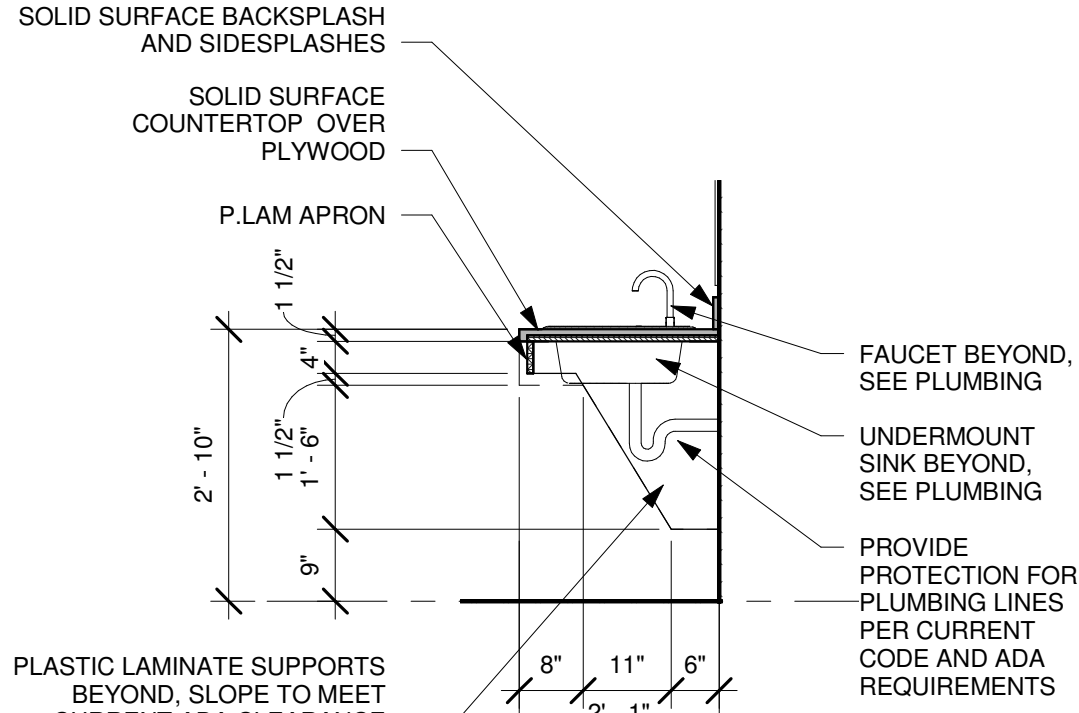
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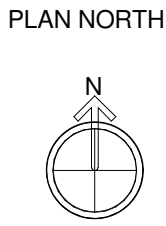
1 BASEMENT TOILETS
3/8" = 1'-0"



3 TYPICAL TOILET DETAILS
3/4" = 1'-0"



2 TYPICAL VANITY SECTION
1/2" = 1'-0"

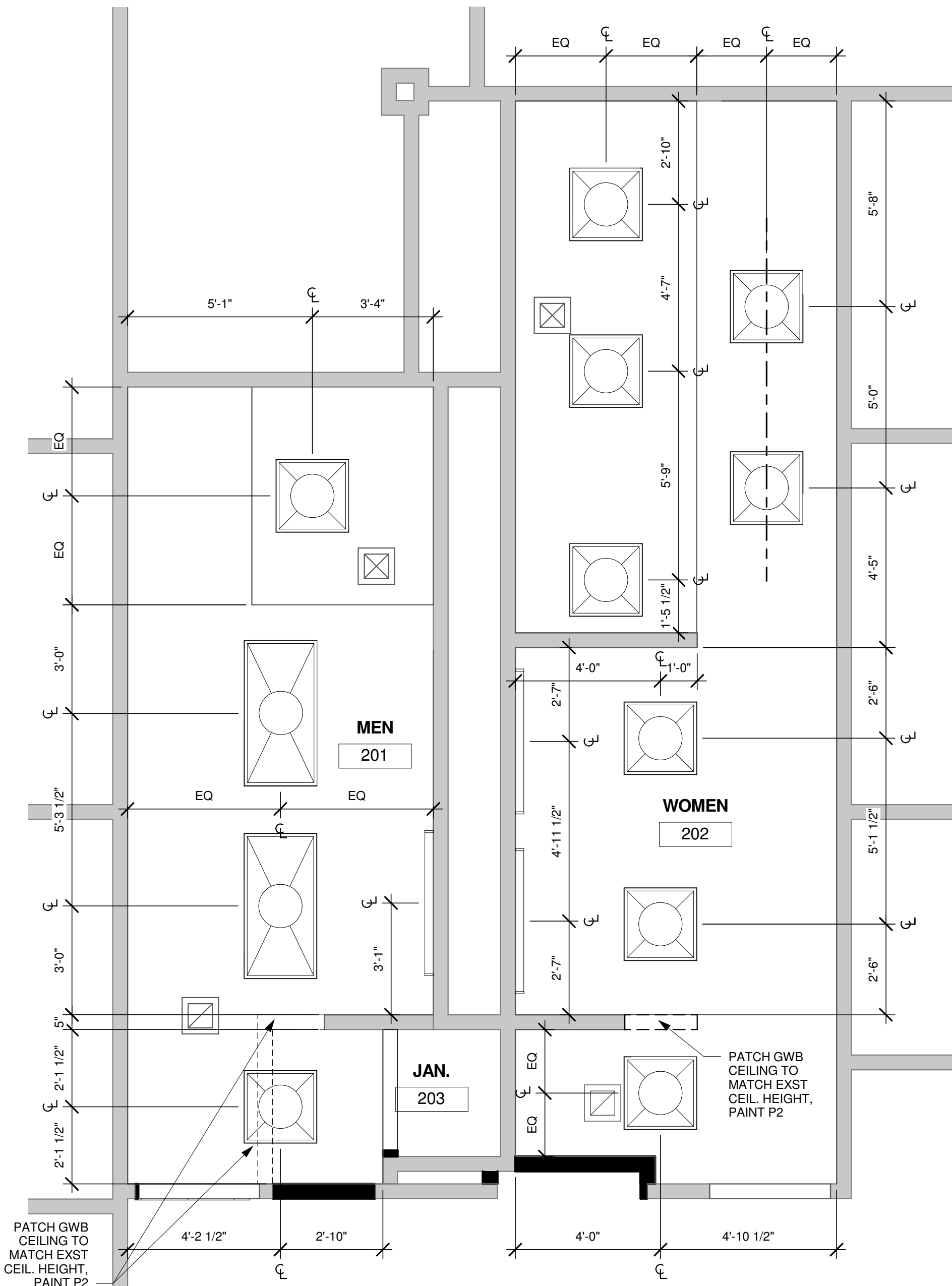
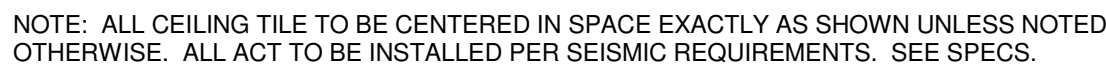


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<div>CLIENT NAME USC SCHOOL OF MEDICINE</div>					
<div>PROJECT NAME 15 MED PARK BATHROOM RENOVATION</div>					
<div>LOCATION 3555 HARDEN STREET EXT. COLUMBIA, SC 29201</div>					
REVISIONS					
NO.	DATE	DESCRIPTION			
PROJECT NUMBER			15012		
SHEET NUMBER			A102		
SHEET NAME			FLOOR PLANS & TYP TOILET DETAILS		
DATE			05/06/2015		

05/20/2015 1:43:18 PM

REFLECTED CEILING PLAN LEGEND



Architectural floor plan of the Third Floor RCP - Base Bid. The plan shows three rooms: Room 301 (MEN), Room 302 (WOMEN), and Room 303 (JAN.). Room 301 is 5'-0" wide and 3'-2" deep, containing two rectangular sinks and two square floor drains. Room 302 is 5'-3 1/2" wide and 2'-0" deep, containing two rectangular sinks, two square floor drains, and a large rectangular floor drain. Room 303 is 5'-2 1/2" wide and 3'-8" deep, containing one rectangular sink and one square floor drain. The plan includes various dimensions, room labels, and symbols for sinks, floor drains, and doors.

EXISTING CEILING TILE AND
GRID TO REMAIN.
LIGHTING TO REMAIN

MEN

B001

WOMEN

B002

EXISTING CEILING TILE AND
GRID TO REMAIN.
LIGHTING TO REMAIN

PLAN NORTH

STUDIO 2LR | ARCHITECTURE + INTERIORS

LOCATION
3555 HARDEN STREET EXT, COLUMBIA, SC
29201

NO.	DATE	DESCRIPTION
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PROJECT NUMBER **15012**

SHEET NUMBER

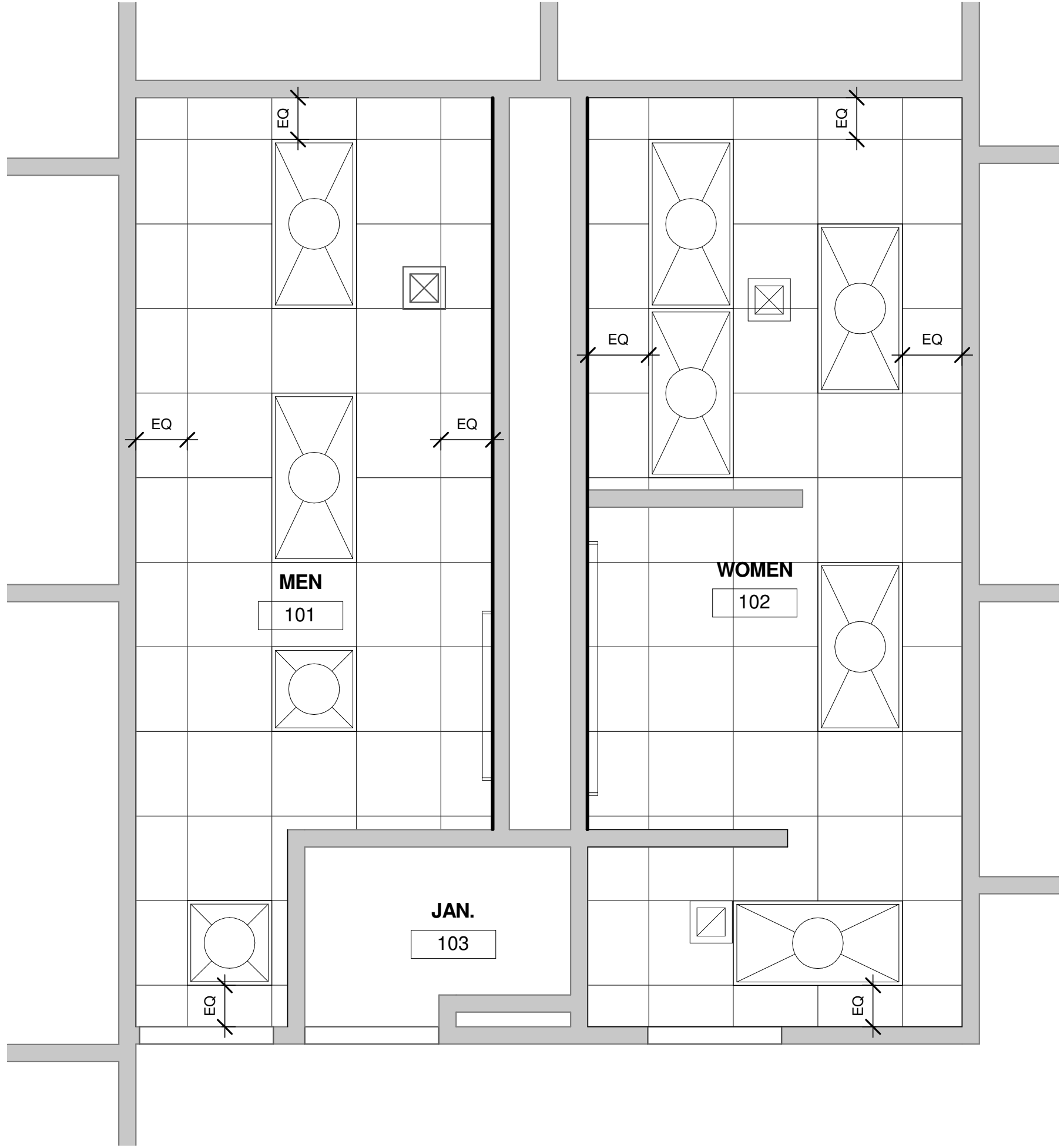
A201

SHEET NAME
**REFLECTED CEILING
PLANS BASE BID**

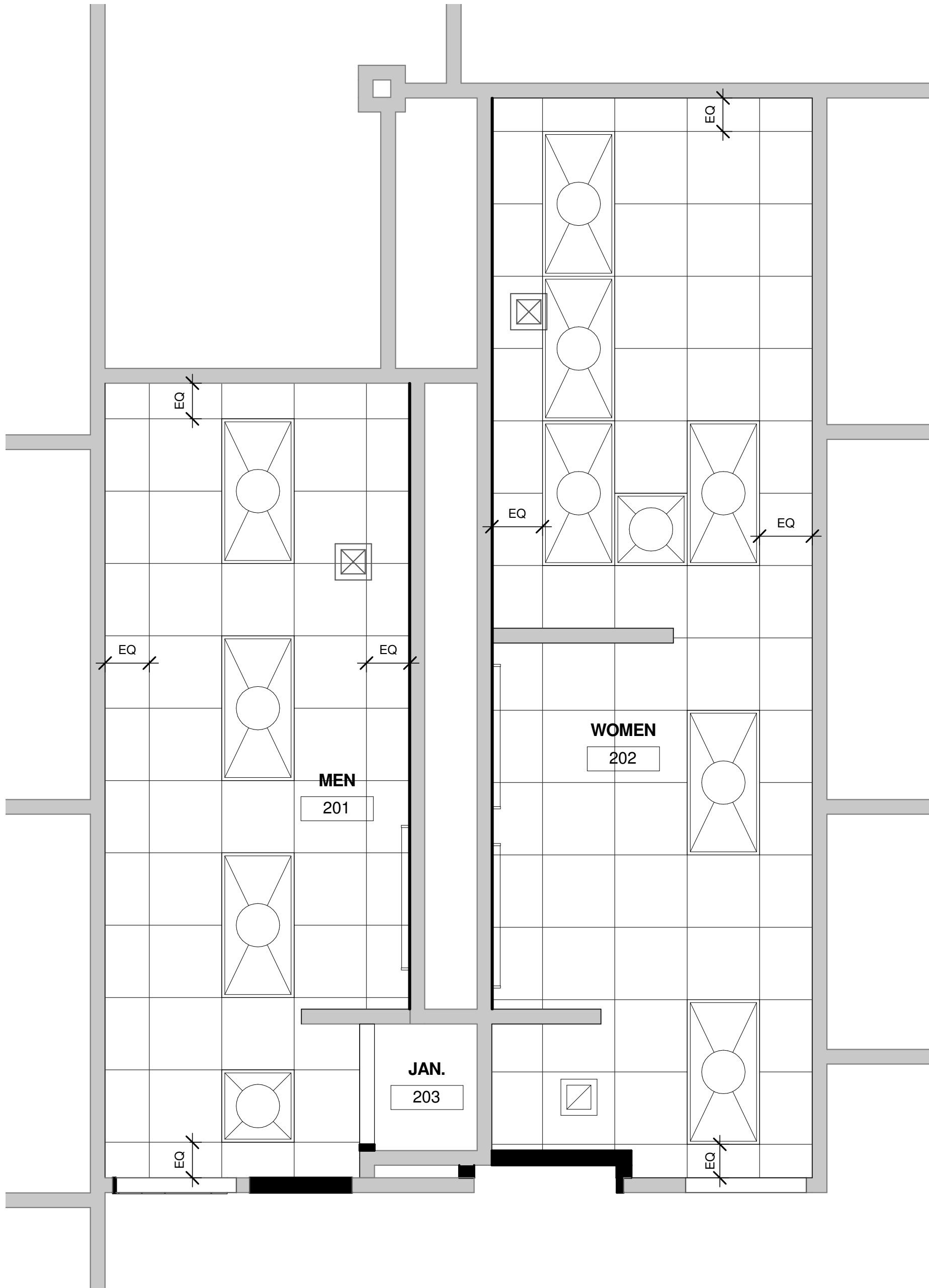
DATE **05/06/2015**

14 SEP 1995

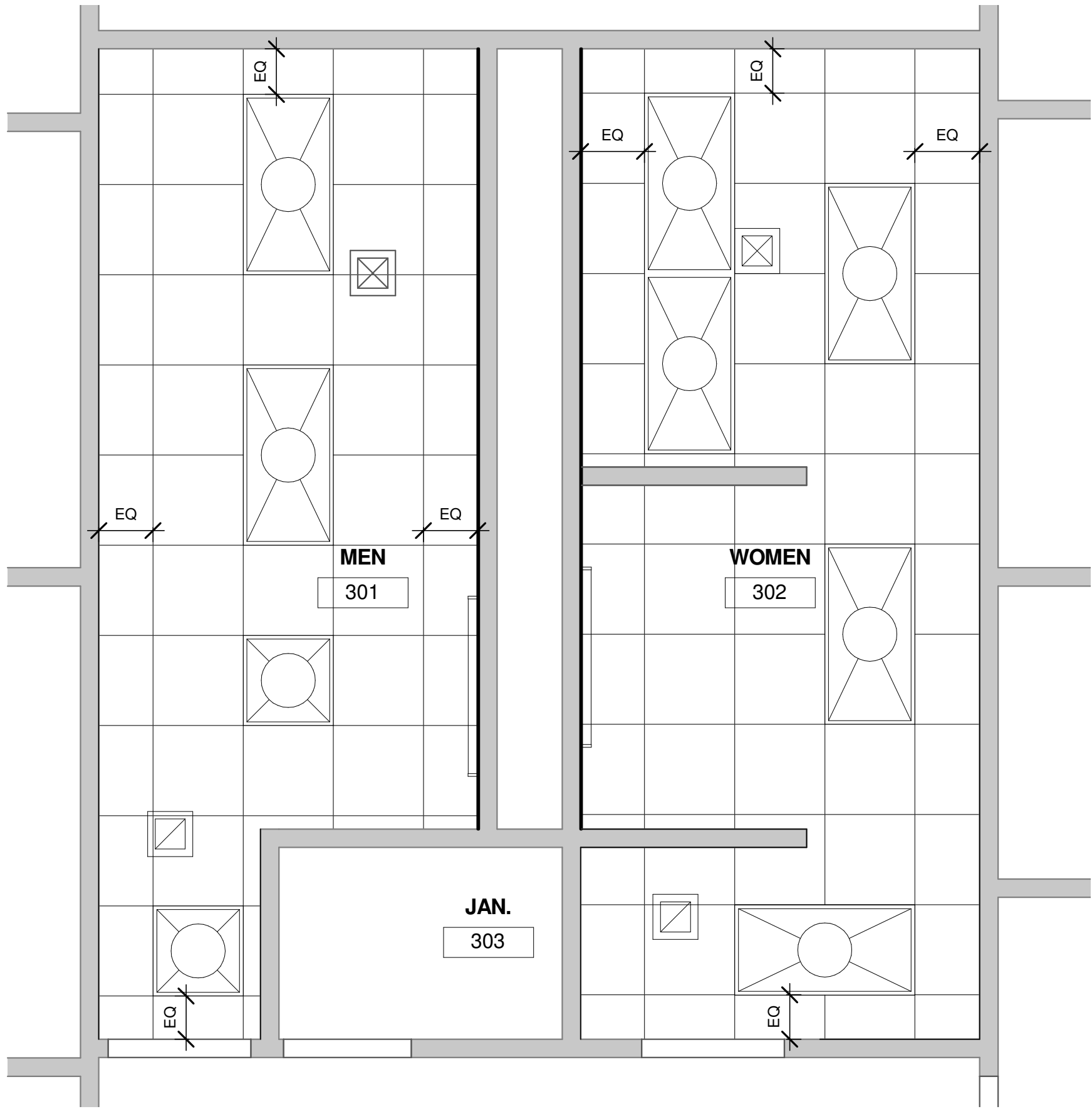
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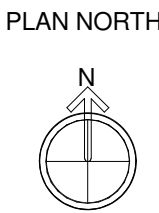
1 FIRST FLOOR RCP- ADD ALTERNATE
3/8" = 1'-0"



2 SECOND FLOOR RCP - ADD ALTERNATE
3/8" = 1'-0"



3 THIRD FLOOR RCP - ADD ALTERNATE
3/8" = 1'-0"



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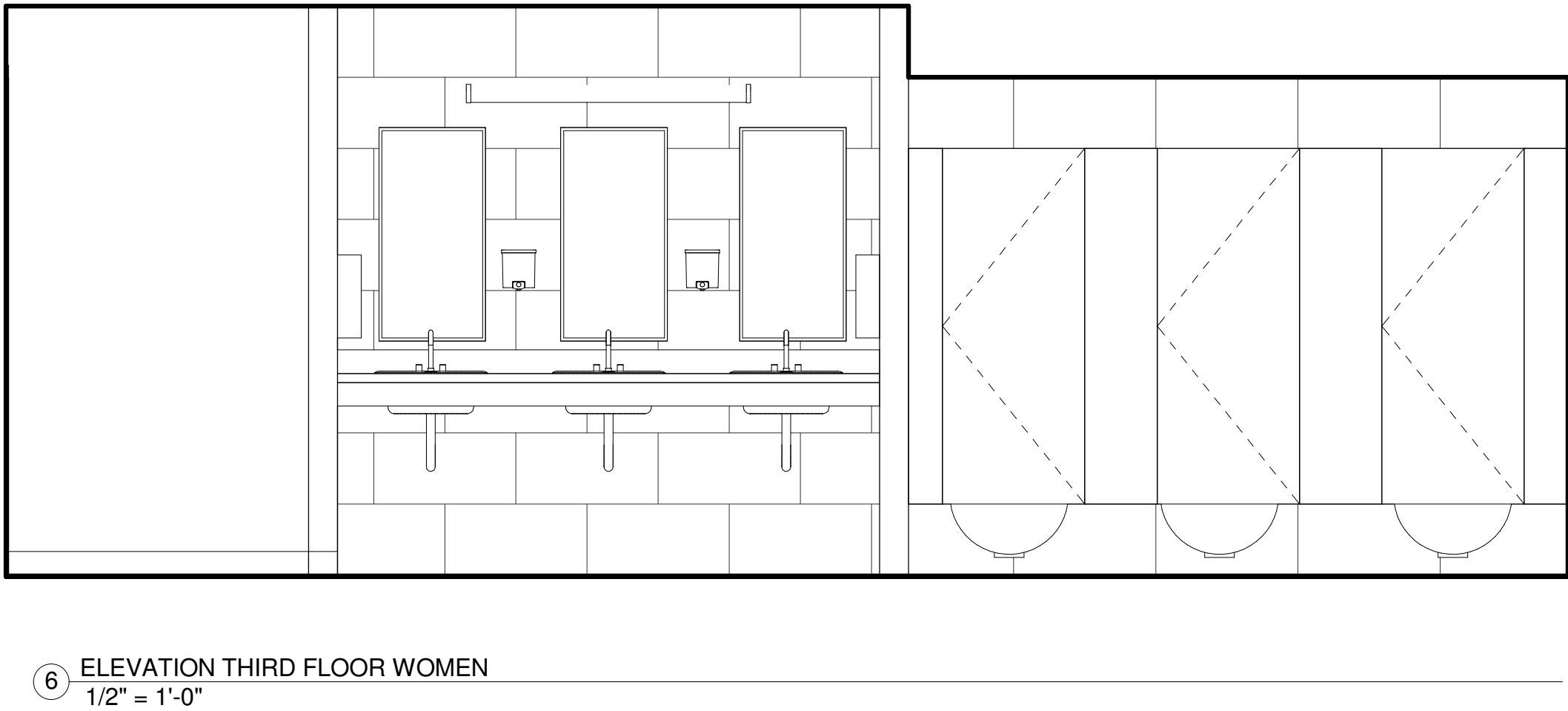
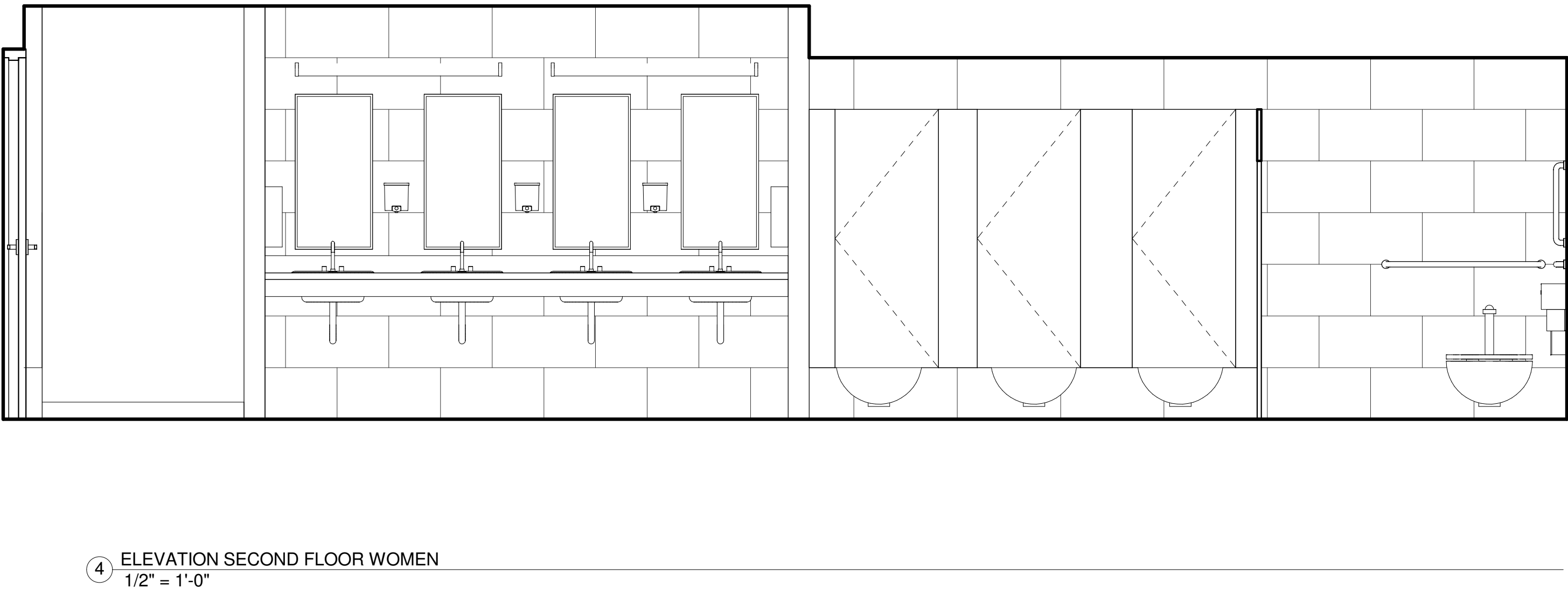
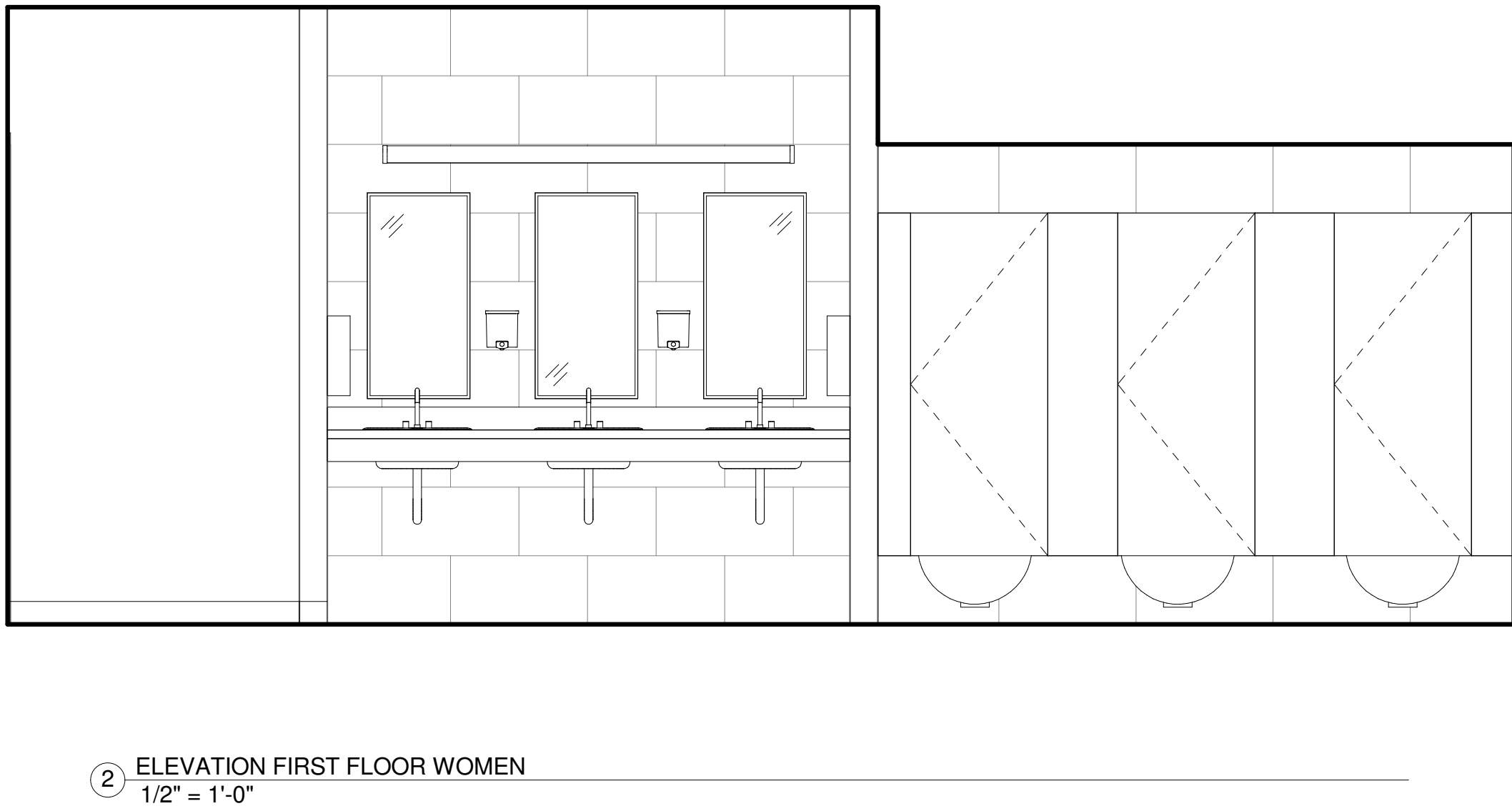
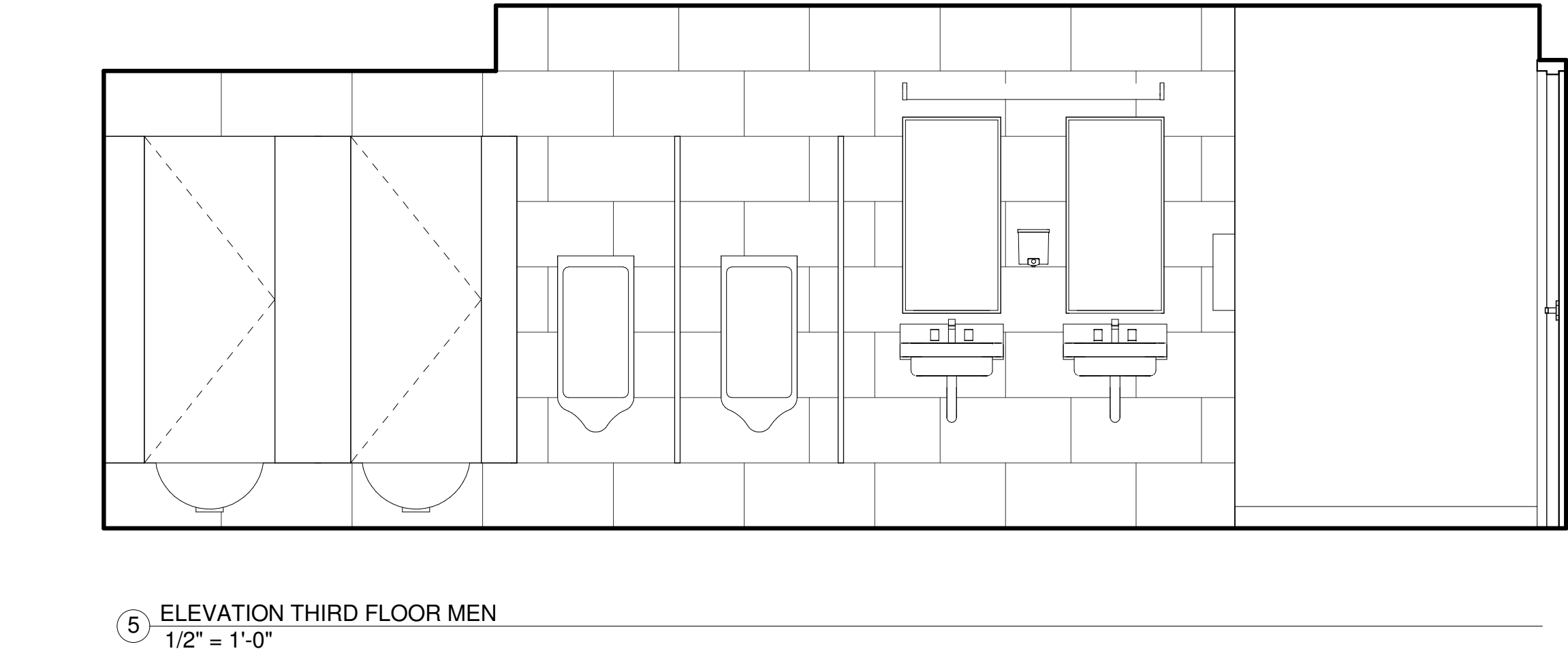
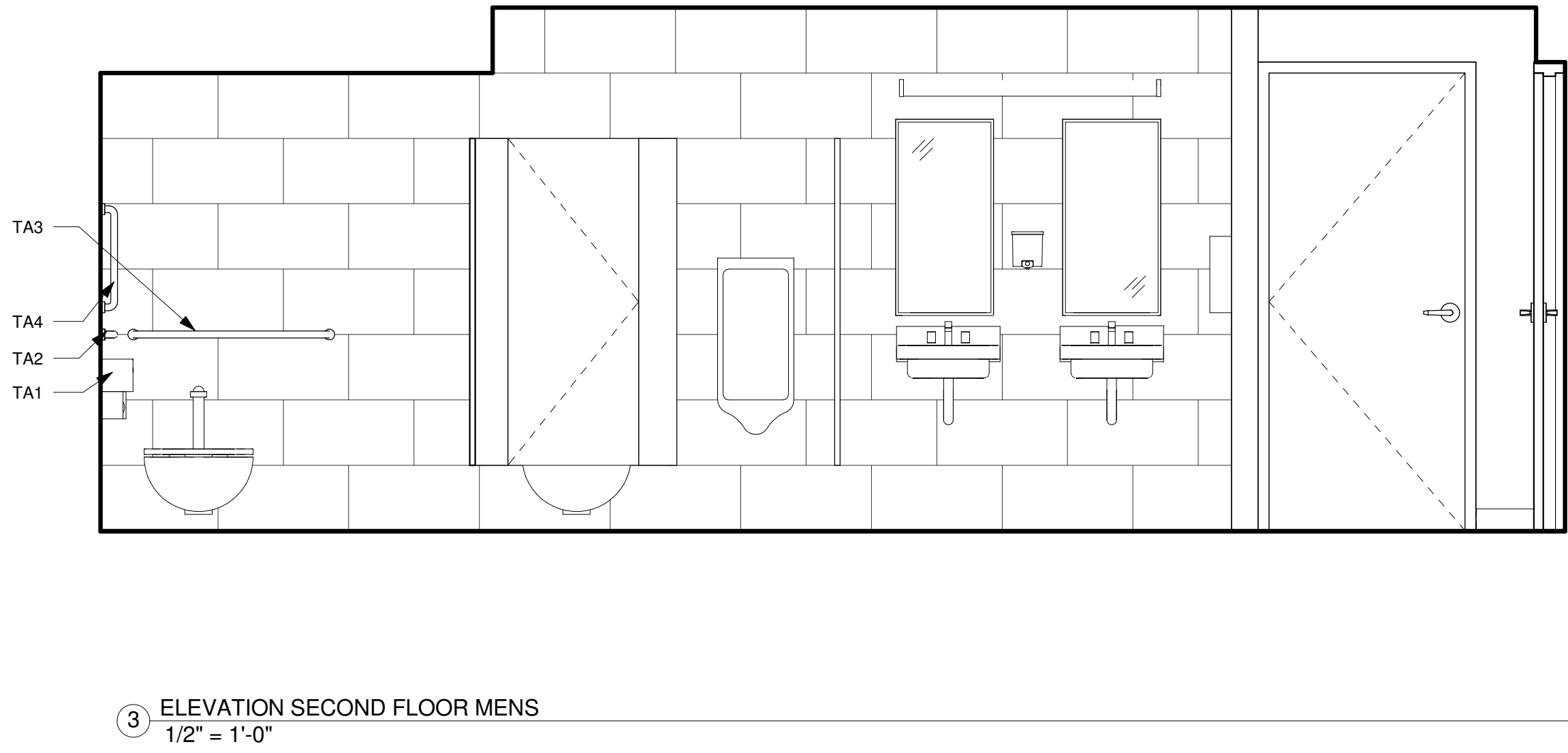
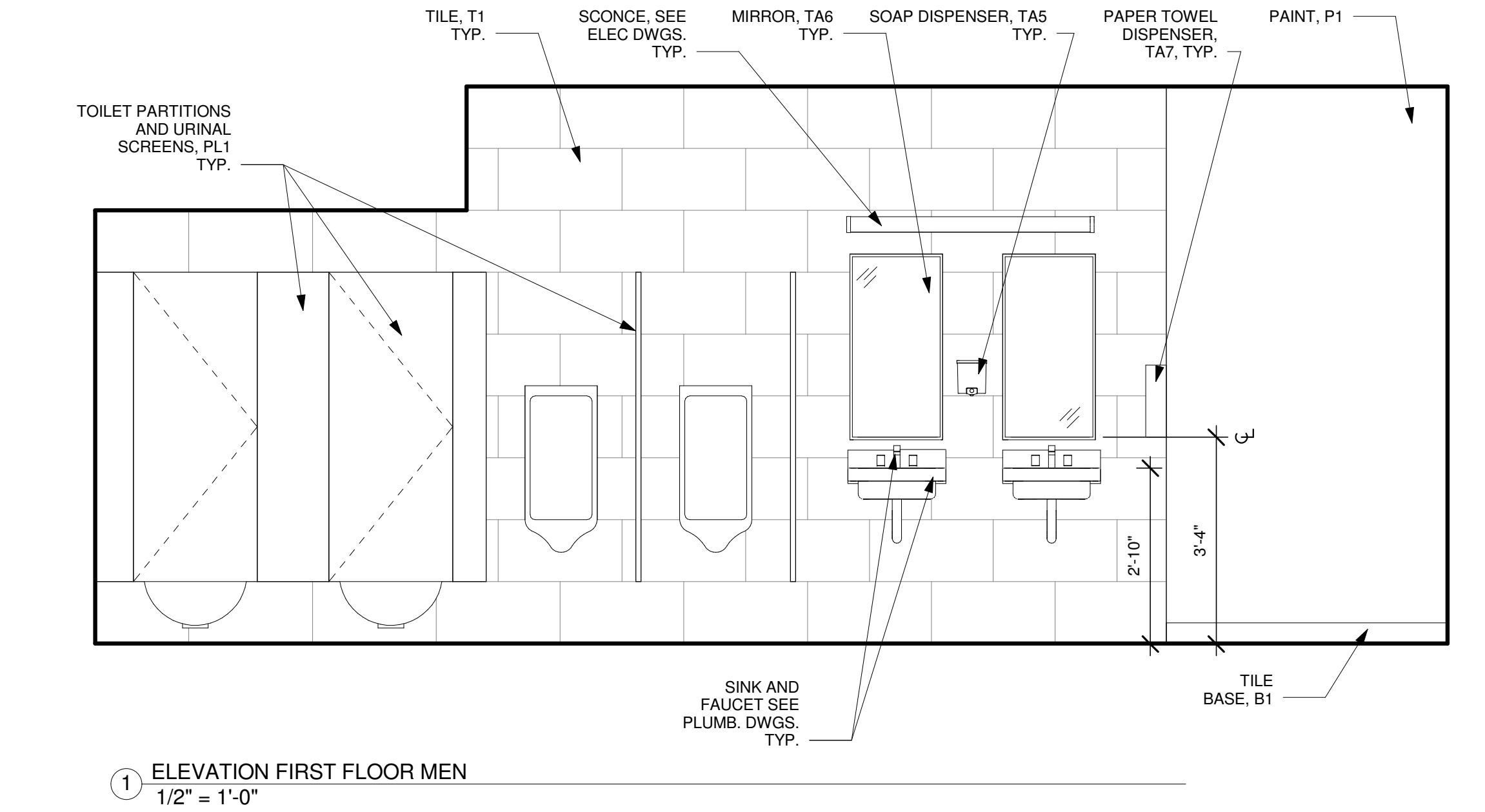
CLIENT NAME USC SCHOOL OF MEDICINE		PROJECT NAME 15 MED PARK BATHROOM RENOVATION	LOCATION 3555 HARDEN STREET EXT, COLUMBIA, SC 29201
PROJECT NUMBER 15012			
SHEET NUMBER A202			
SHEET NAME REFLECTED CEILING PLANS ALTERNATE 1		DATE 05/06/2015	
REVISIONS			
NO.	DATE	DESCRIPTION	

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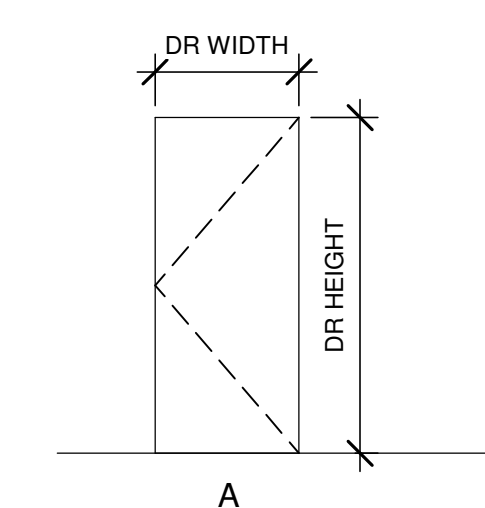
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CLIENT NAME USC SCHOOL OF MEDICINE		LOCATION 3555 HARDEN STREET EXT., COLUMBIA, SC 29201	
PROJECT NAME 15 MED PARK BATHROOM RENOVATION			
REVISIONS			
NO.	DATE	DESCRIPTION	
PROJECT NUMBER		15012	
SHEET NUMBER		A401	
SHEET NAME		ELEVATIONS	
DATE		05/06/2015	

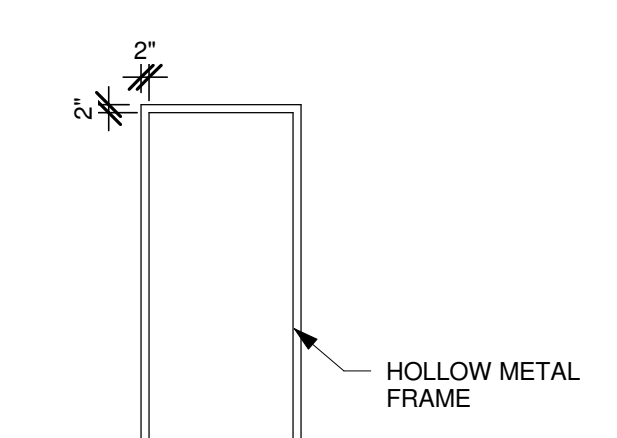
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DOOR SCHEDULE													
NUMBER	SIZE		DOOR			FIRE RATING	FRAME			HEAD	JAMB	SILL	COMMENTS
	WIDTH	HEIGHT	TYPE	MATERIA L	FINISH		TYPE	MATERI AL	FINISH				
201.1	3' - 0"	7' - 0"	A	WOOD	STAIN		1	HM	PAINT	H1	J1	*	*SEE CARPET TO TILE TRANSITION ON A901
202.1	3' - 0"	7' - 0"	A	WOOD	STAIN		1	HM	PAINT	H1	J1	-	
203.1	3' - 0"	7' - 0"	A	WOOD	STAIN		1	HM	PAINT	H1	J1	*	*SEE CARPET TO TILE TRANSITION ON A901



2 DOOR TYPES
1/4" = 1'-0"



3 FRAME TYPES
1/4" = 1'-0"

GENERAL DOOR NOTES

- ALL DOORS TO BE LOCATED 6" FROM ADJACENT PERPENDICULAR WALL TO INSIDE FACE OF FRAME, UNLESS NOTED OTHERWISE. THIS DOES NOT APPLY TO STOREFRONT ITEMS.
- HEAD, JAMB AND SILL DETAILS SHOWN FOR REFERENCE ONLY. COORDINATE WITH MANUFACTURER'S REQUIREMENTS, STRUCTURAL DRAWINGS, AND PARTITION TYPES.
- ALL WOOD DOORS TO BE FLUSH. WOOD DOORS TO BE 5-PLY PREMIUM GRADE, BONDED CORE IN ACCORDANCE WITH THE WINDOW AND DOOR MANUFACTURERS ASSOCIATION ARCHITECTURAL WOOD FLUSH DOORS
- STEEL DOORS AND FRAMES: FABRICATE FRAMES OF MINIMUM 16 GAUGE COLD-ROLLED STEEL, DOUBLE RABBET PROFILE, MITERED CORNERS. PROVIDE FULLY WELDED FRAMES AT ALL H.M. DOORS.
- COMPLY WITH NFPA 80 FOR FIRE RATED ASSEMBLIES.
- DOOR HARDWARE ALLOWANCE: \$--- PER LEAF, MATCH EXISTING HARDWARE IF APPLICABLE AND COORDINATE WITH OWNER.

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STUDIO 2LR | ARCHITECTURE + INTERIORS

CLIENT NAME
USC SCHOOL OF MEDICINE

PROJECT NAME
15 MED PARK BATHROOM RENOVATION

LOCATION
3555 HARDEN STREET EXT. COLUMBIA, SC 29201

REVISIONS

NO.	DATE	DESCRIPTION
-----	------	-------------

PROJECT NUMBER
15012

SHEET NUMBER
A801

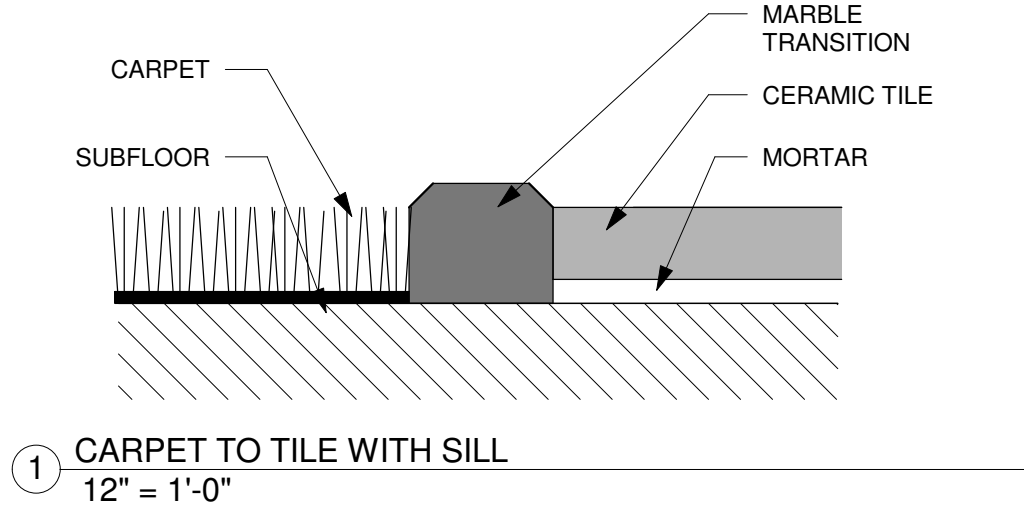
SHEET NAME
DOOR SCHEDULE

DATE
05/06/2015

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ROOM FINISH SCHEDULE													
NO.	NAME	FLOOR		BASE		CEILING			WALL FINISH				COMMENTS
		MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	HEIGHT	NORTH	SOUTH	EAST	WEST	
101	MEN	CERAMIC TILE	MFR.	CERAMIC TILE	MFR.	ACT	MFR.	9'-0"	PAINT	PAINT	CERAMIC TILE	PAINT	
102	WOMEN	CERAMIC TILE	MFR.	CERAMIC TILE	MFR.	ACT	MFR.	9'-0"	PAINT	PAINT	PAINT	CERAMIC TILE	
103	JAN.	EXISTING FLOOR TO REMAIN	EXIST.	EXIST.	EXIST.	--	--	--	EXIST.	EXIST.	EXIST.	EXIST.	
201	MEN	CERAMIC TILE	MFR.	CERAMIC TILE	MFR.	ACT	MFR.	9'-0"	PAINT	PAINT	CERAMIC TILE	PAINT	
202	WOMEN	CERAMIC TILE	MFR.	CERAMIC TILE	MFR.	ACT	MFR.	9'-0"	PAINT	PAINT	PAINT	CERAMIC TILE	
203	JAN.	CERAMIC TILE	MFR.	CERAMIC TILE	MFR.	ACT	MFR.	9'-0"	PAINT	PAINT	PAINT	PAINT	
301	MEN	CERAMIC TILE	MFR.	CERAMIC TILE	MFR.	ACT	MFR.	9'-0"	PAINT	PAINT	CERAMIC TILE	PAINT	
302	WOMEN	CERAMIC TILE	MFR.	CERAMIC TILE	MFR.	ACT	MFR.	9'-0"	PAINT	PAINT	PAINT	CERAMIC TILE	
303	JAN.	CERAMIC TILE	MFR.	CERAMIC TILE	MFR.	ACT	MFR.	9'-0"	EXIST.	EXIST.	EXIST.	PAINT	
B001	MEN	EXISTING CERAMIC TILE	EXIST.	EXIST.	EXIST.	EXISTING ACT	NOTE 1	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	NOTE 1. EXIST. ACT GRID TO REMAIN, NEW ACT
B002	WOMEN	EXISTING CERAMIC TILE	EXIST.	EXIST.	EXIST.	EXISTING ACT	NOTE 1	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	NOTE 1. EXIST. ACT GRID TO REMAIN, NEW ACT

FINISH SPECIFICATION					
TAG	ITEM	MANUFACTURER	DESCRIPTION	SIZE	NOTES
TILE (T)					
T1	PORCELAIN TILE	CROSSVILLE	PATTERN: BASALT; COLOR: SILICA AV291	12"L X 24"W; 3/8" THICK	INSTALL IN RUNNING BOND PATTERN. USE WITH GT1.
GROUT (GT)					
GT1	GROUT	CUSTOM BUILDING...	ITEM: UNSANDED GROUT; COLOR: #386 OYSTER GRAY	1/4" GROUT JOINT	USE WITH T1
PAINT (P)					
P1	WALL PAINT	SHERWIN WILLIAMS	COLOR:SW7042 WORDLY GREY; FINISH: SATIN	--	
P2	CEILING PAINT	SHERWIN WILLIAMS	COLOR: SW7005 PURE WHITE; FINISH: FLAT	--	
PLASTIC LAMINATE (PL)					
PL1	PLASTIC LAMINATE	FORMICA	PATTERN:CHESTNUT WOODLINE 5884-58; FINISH: MATTE	4"W X 8'L	
COUNTERTOP (C)					
C1	SOLID SURFACE	CORIAN	PATTERN: CONCRETE; FINISH: STANDARD	144"L X 30"W X 1/2" THICK	
BASE (B)					
B1	TILE COVE BASE	CROSSVILLE	PATTERN: BASALT; COLOR: SILICA AV291	6"H X 12"LX 3/8" THICK	
ACOUSTICAL CEILING TILE...					
ACT1	ACOUSTICAL CEILING TILE	ARMSTRONG	PATTERN: CIRRUS SQUARE LAY IN TEGULAR; COLOR: WHITE	24"W X 24"LX 3/4" THICK	



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STUDIO 2LR | ARCHITECTURE + INTERIORS

CLIENT NAME
USC SCHOOL OF MEDICINE

PROJECT NAME
15 MED PARK BATHROOM RENOVATION

LOCATION
3555 HARDEN STREET EXT. COLUMBIA, SC 29201

REVISIONS

NO.	DATE	DESCRIPTION
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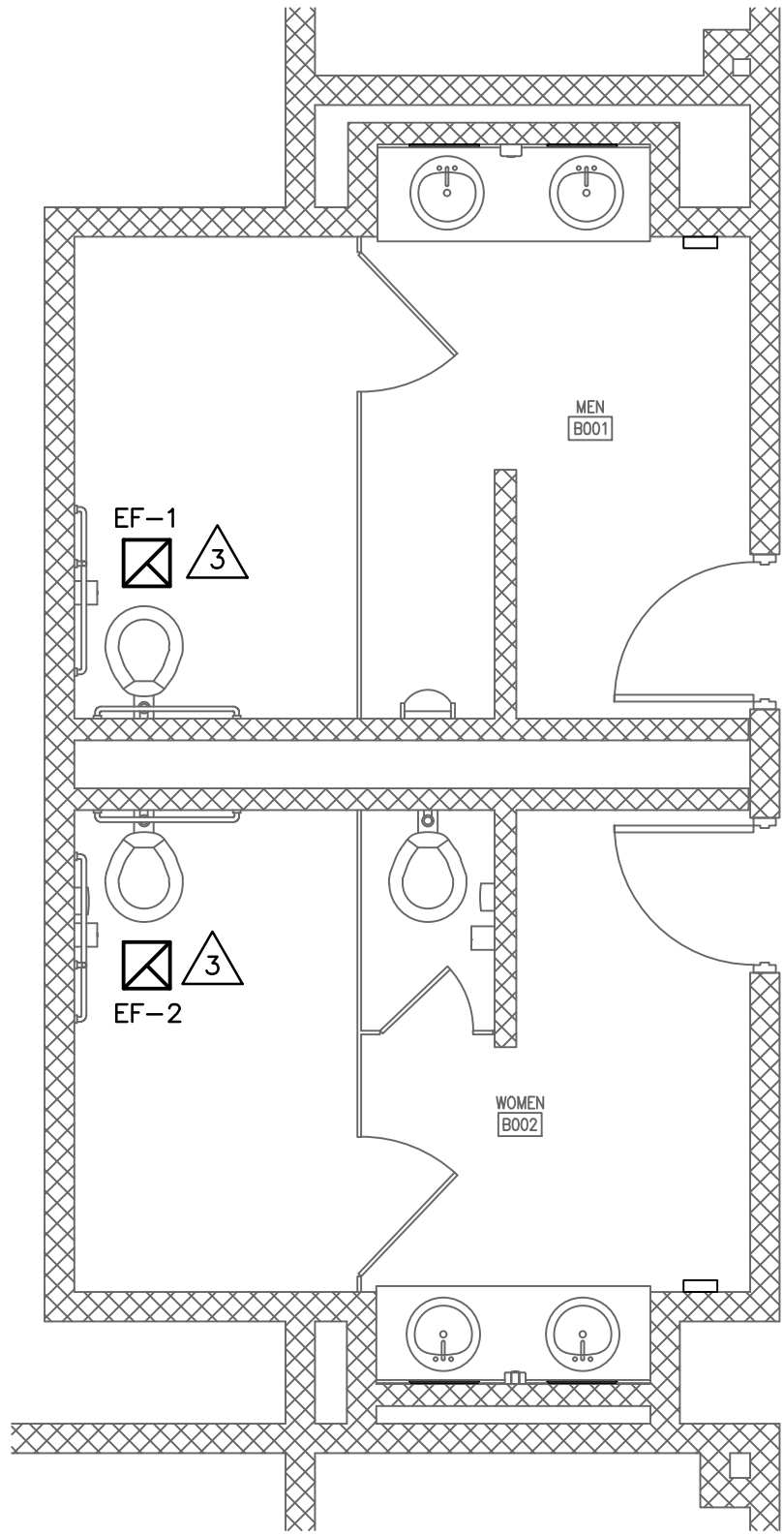
PROJECT NUMBER
15012

SHEET NUMBER
A901

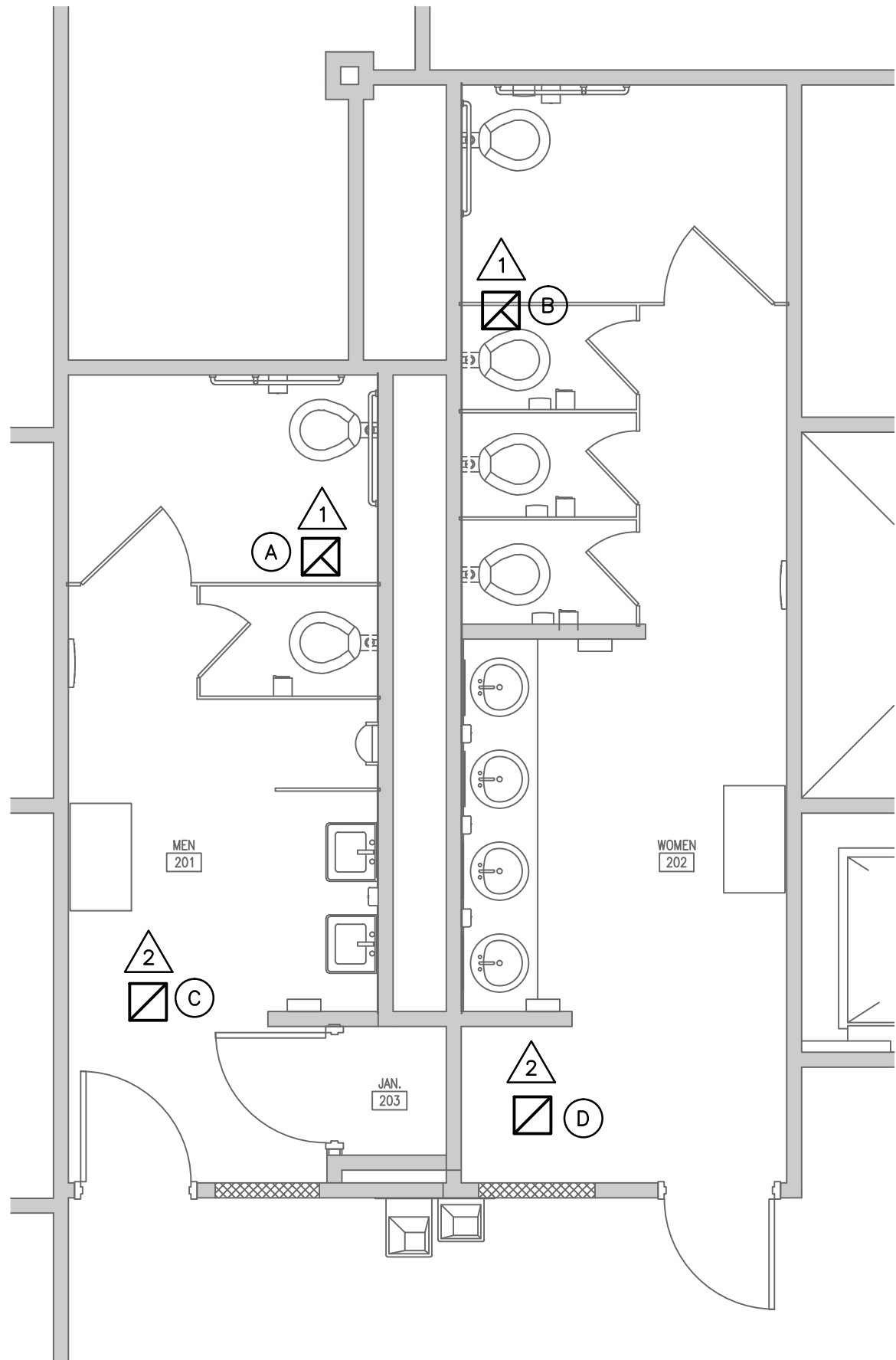
SHEET NAME
FINISH SCHEDULE

DATE
05/06/2015

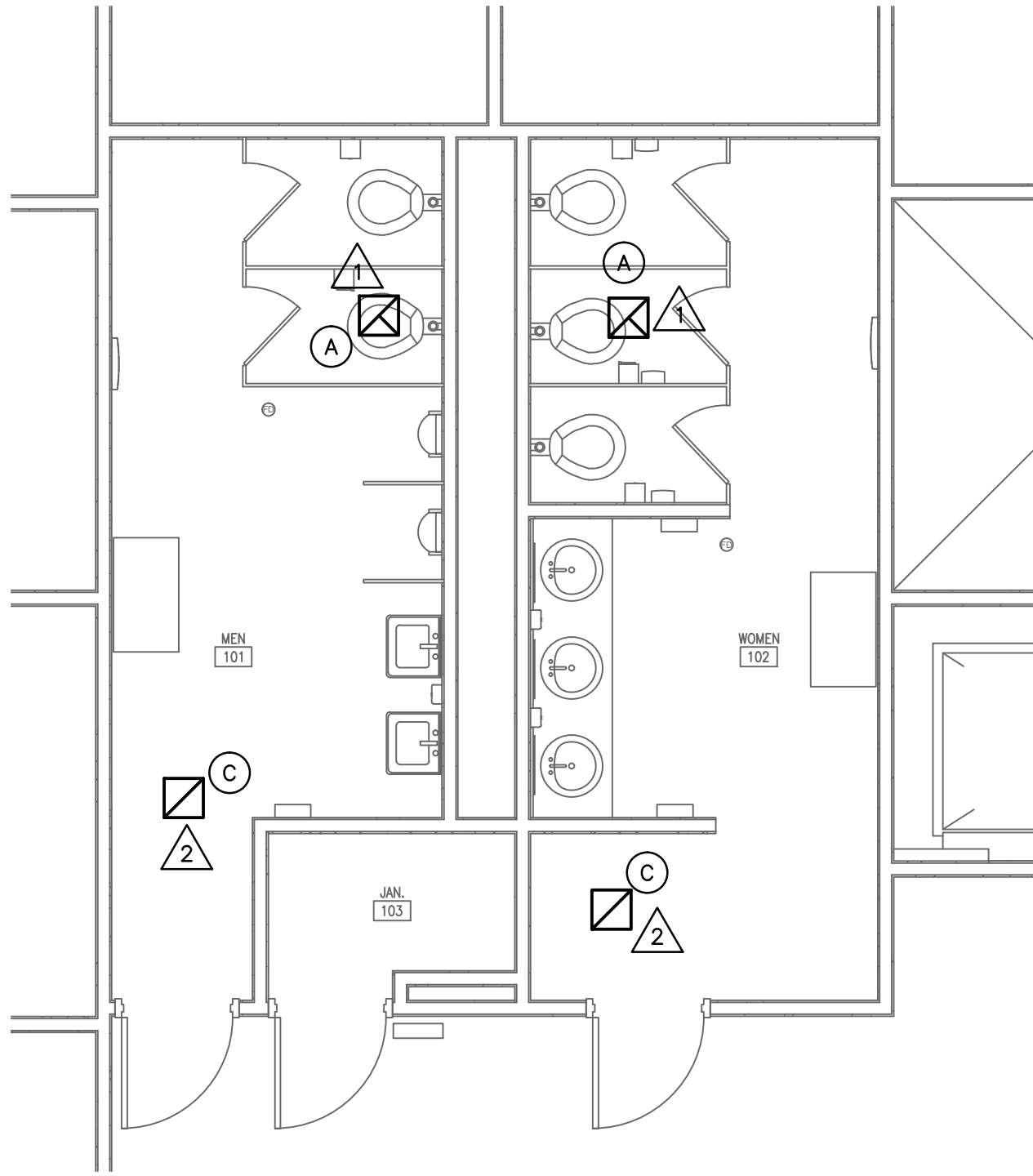
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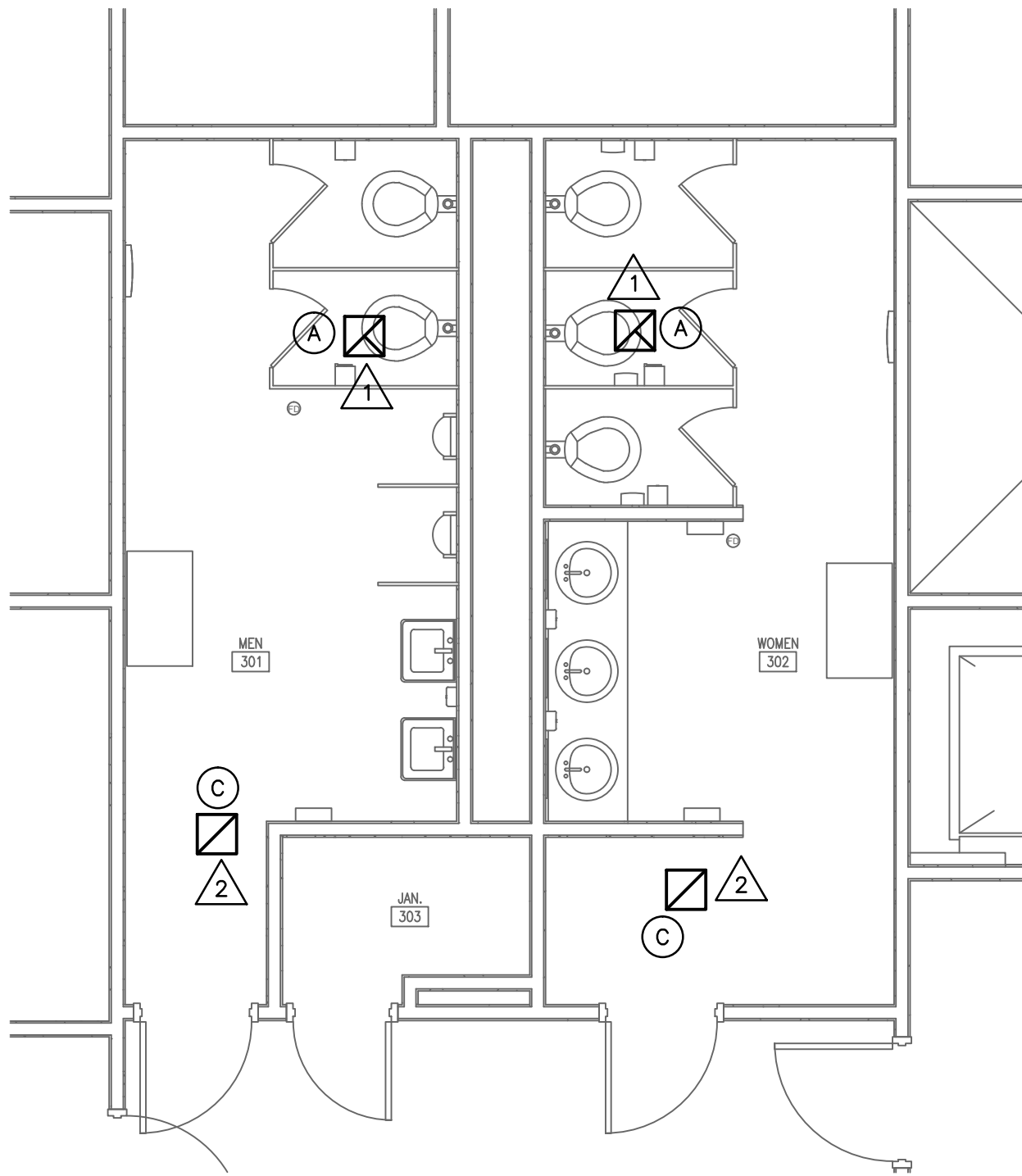
1 BASEMENT RENOVATION PLAN
SCALE: 1/4" = 1'-0"



3 SECOND FLOOR RENOVATION PLAN
SCALE: 1/4" = 1'-0"



2 FIRST FLOOR RENOVATION PLAN
SCALE: 1/4" = 1'-0"



4 THIRD FLOOR RENOVATION PLAN
SCALE: 1/4" = 1'-0"

NOTE:
ALL WORK ASSOCIATED
WITH THIS SHEET IS
PART OF ALTERNATE 1.

- NOTES TO SHEET**
1. INSTALL NEW EXHAUST GRILLE IN NEW ACOUSTICAL CEILING TILE GRID PER THE AIR DISTRIBUTION SCHEDULE AND EXTEND DUCTWORK FULL SIZE OF NECK TO EXISTING DUCTWORK AND TRANSITION AS REQUIRED.
 2. INSTALL NEW TRANSFER GRILLE IN NEW ACOUSTICAL CEILING TILE GRID PER THE AIR DISTRIBUTION SCHEDULE AND EXTEND DUCTWORK FULL SIZE OF NECK TO EXISTING DUCTWORK AND TRANSITION AS REQUIRED.
 3. INSTALL NEW EXHAUST FAN IN NEW ACOUSTICAL CEILING TILE. EXTEND DUCTWORK FULL SIZE TO EXISTING DUCTWORK AND TRANSITION AS REQUIRED. RECONNECT EXISTING ELECTRICAL SERVICE TO NEW EXHAUST FAN AS REQUIRED.

BID DOCUMENTS - 08/07/15

Swygert & Associates

CONSULTING ENGINEERS

DBA Swygert & Assoc., Ltd. Telephone: (803) 791-9300
Post Office Box 11886 Fax: (803) 791-9830
Columbia, S.C. 29211 mail@swygert-associates.com

PROJECT NUMBER

15012

SHEET NUMBER

M101

SHEET NAME

RENOVATION FLOOR
PLANS - ALTERNATE 1

DATE

08/07/2015

CLIENT NAME

USC SCHOOL OF MEDICINE

PROJECT NAME

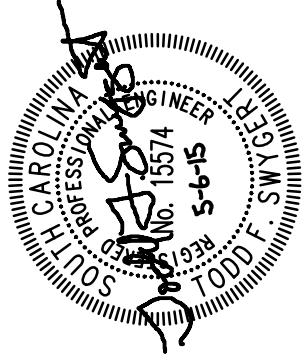
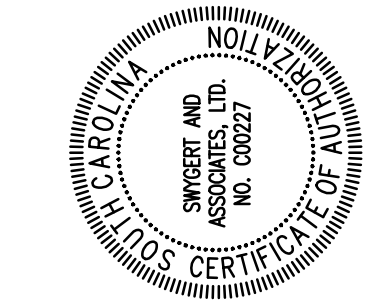
15 MED PARK BATHROOM
RENOVATION

LOCATION

3555 HARDEN STREET EXT. COLUMBIA, SC
29201

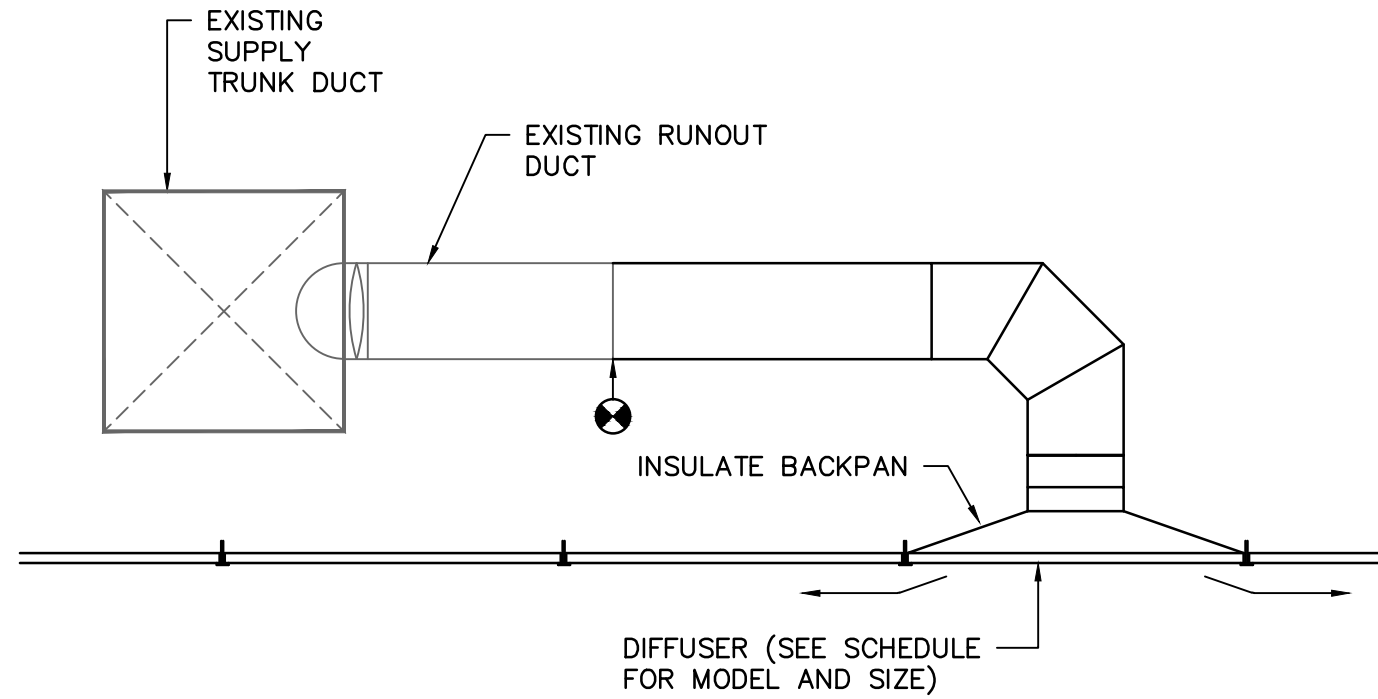
REVISIONS

NO.	DATE	DESCRIPTION
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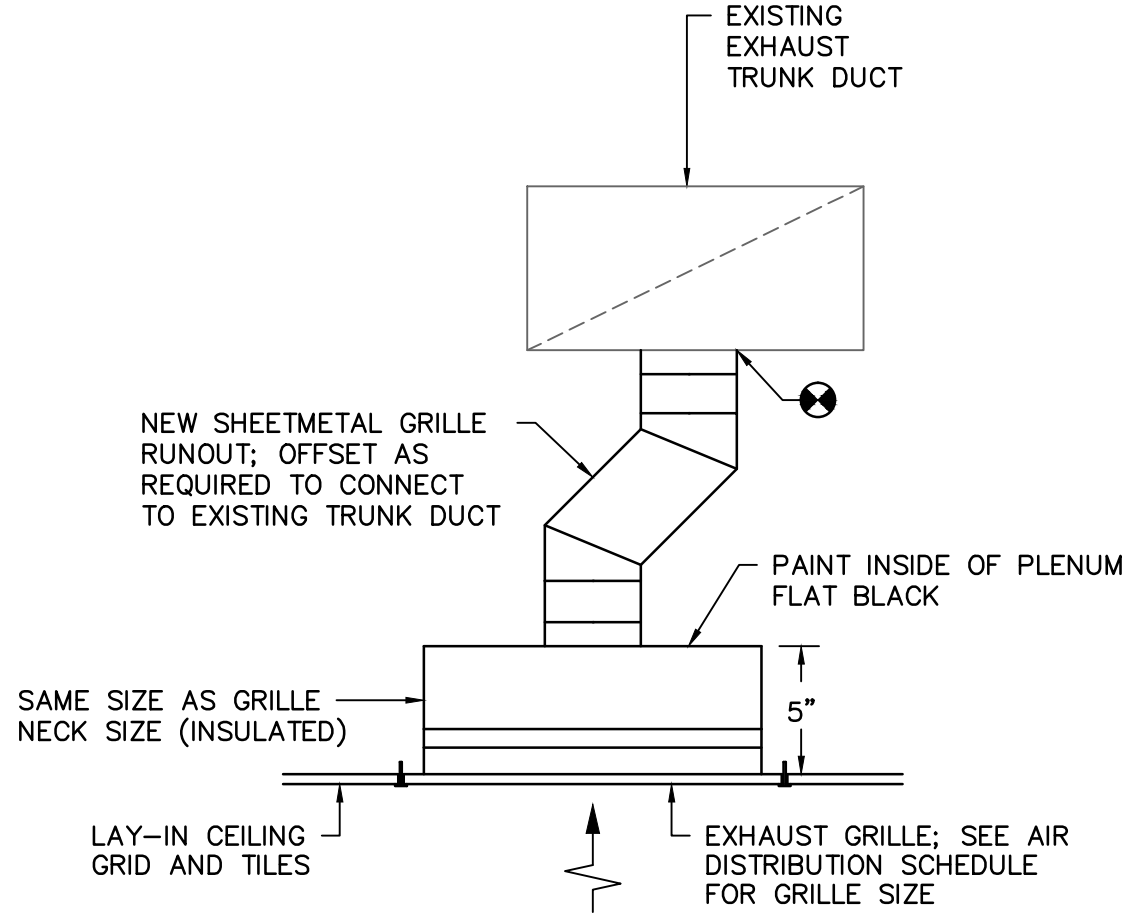
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STUDIO 2LR | ARCHITECTURE + INTERIORS



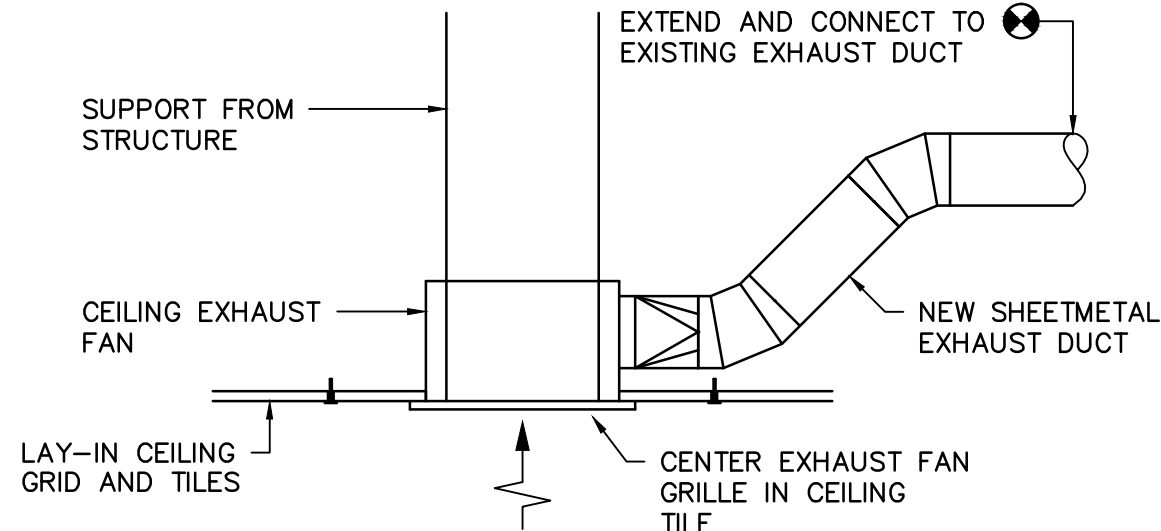
CEILING TRANSFER GRILLE DETAIL

NO SCALE



EXHAUST GRILLE DETAIL

NO SCALE



EXHAUST FAN DETAIL

NO SCALE

AIR DISTRIBUTION SCHEDULE									
TAG	DESCRIPTION	MANUFACTURER	MODEL	FRAME	CFM	NECK SIZE	FACE SIZE	MAX NC	REMARKS
Ⓐ	PERFORATED EXHAUST	PRICE	APDDR	LAY-IN	251-350	10"x10"	24"x24"	30	1,2,3
Ⓑ	PERFORATED EXHAUST	PRICE	APDDR	LAY-IN	351-450	12"x12"	24"x24"	30	1,2,3
Ⓒ	PERFORATED RETURN	PRICE	APDDR	LAY-IN	- - -	10"x10"	24"x24"	30	1,2
Ⓓ	PERFORATED RETURN	PRICE	APDDR	LAY-IN	- - -	12"x12"	24"x24"	30	1,2
1. PROVIDE WITH STANDARD WHITE FINISH. 2. PROVIDE ALUMINUM OR ALUMINIZED STEEL CONSTRUCTION. 3. PROVIDE WITH OPPOSED BLADE DAMPER.									

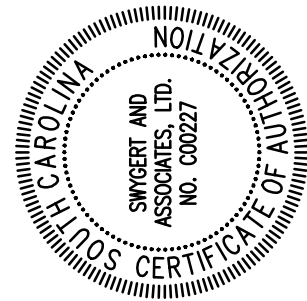
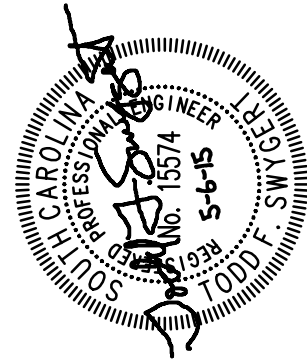
EXHAUST FAN SCHEDULE							
TAG	GREENHECK MODEL NO.	TYPE	CFM	ESP	MOTOR H.P./W	SONES (MAX.)	REMARKS
EF-1	SP-B150	CEILING	140	0.375	150W	2.5	1,2
EF-2	SP-B150	CEILING	140	0.375	150W	2.5	1,2
1. PROVIDE WITH CEILING GRILLE, BACKDRAFT DAMPER, DISCONNECT SWITCH, AND SPEED CONTROL LOCATED ON FAN. 2. INTERLOCKED WITH LIGHT SWITCH, WIRED BY ELECTRICAL CONTRACTOR.							

GENERAL NOTES	
1. VISIT SITE PRIOR TO BIDDING. THIS CONTRACTOR SHALL DETERMINE DIFFICULTY OF INSTALLATION AND REFLECT THIS IN HIS BIDDING.	
2. DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL DRAWINGS AND REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF DOORS, WINDOWS, AIR DISTRIBUTION, ETC. THIS CONTRACTOR SHALL VERIFY ALL EXISTING ITEMS AND LOCATIONS IN THE FIELD.	
3. ALL DUCTWORK LOCATIONS SHALL BE COORDINATED WITH WORK UNDER OTHER DIVISIONS OF THE SPECIFICATIONS TO AVOID INTERFERENCE.	
4. THIS CONTRACTOR SHALL PROVIDE ALL ITEMS OF MISCELLANEOUS STEEL AS REQUIRED FOR INSTALLATION OF ALL MECHANICAL ITEMS.	
5. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ANY NECESSARY DISMANTLING OF EQUIPMENT TO BE REMOVED.	
6. ITEMS REMOVED UNDER THIS CONTRACT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF PROPERLY.	

LEGEND	
SYMBOL	DESCRIPTION
Ⓐ100	TYPE "A" DIFFUSER, 100 CFM
⊗	CONNECTION POINT OF NEW TO EXISTING

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CLIENT NAME USC SCHOOL OF MEDICINE	PROJECT NAME 15 MED PARK BATHROOM RENOVATION	LOCATION 3555 HARDEN STREET EXT. COLUMBIA, SC 29201
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REVISIONS		
NO.	DATE	DESCRIPTION

PROJECT NUMBER 15012

SHEET NUMBER

M201

SHEET NAME
DETAILS, NOTES,
SCHEDULES, AND LEGEND

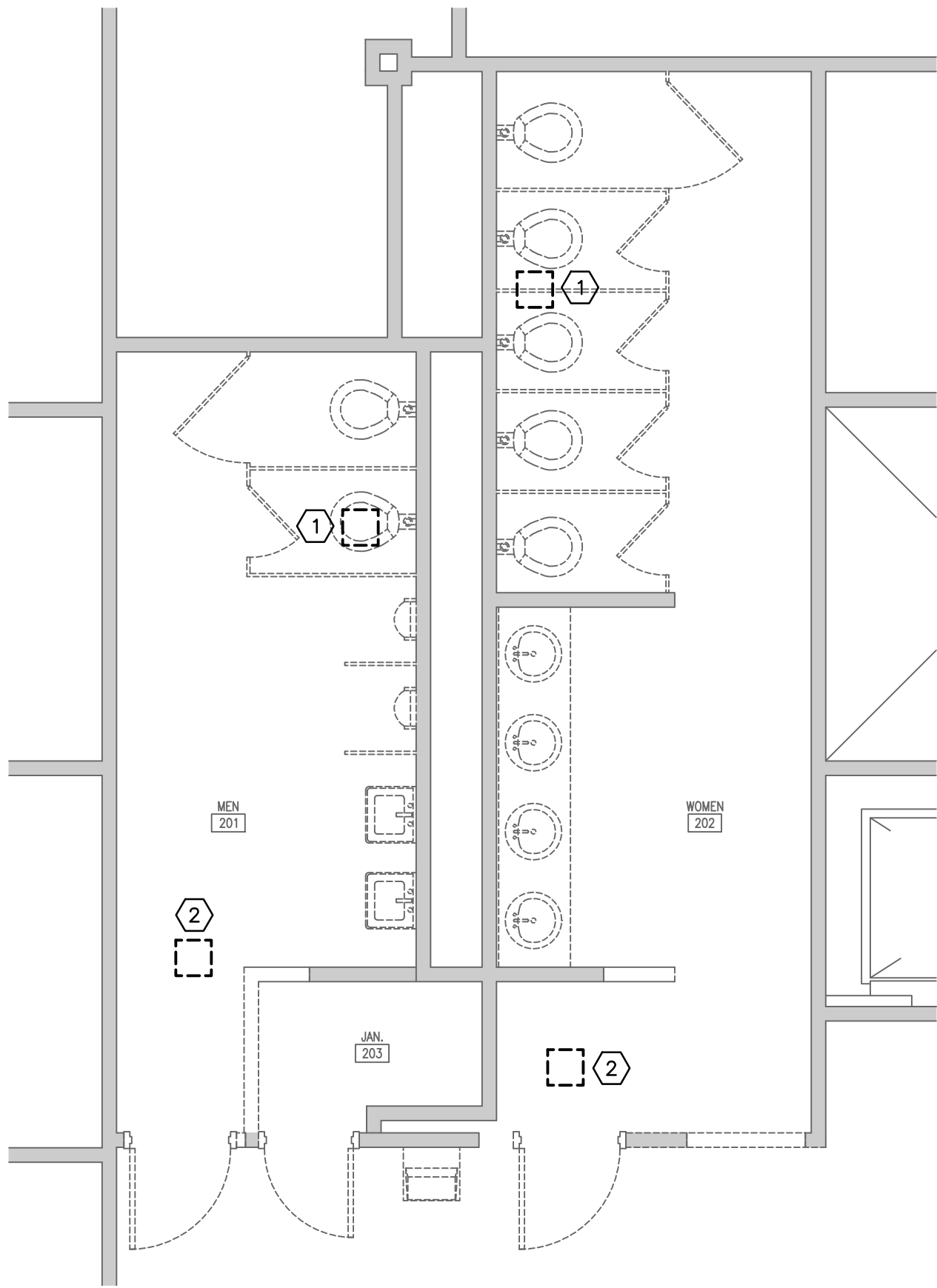
DATE 08/07/2015

BID DOCUMENTS - 08/07/15

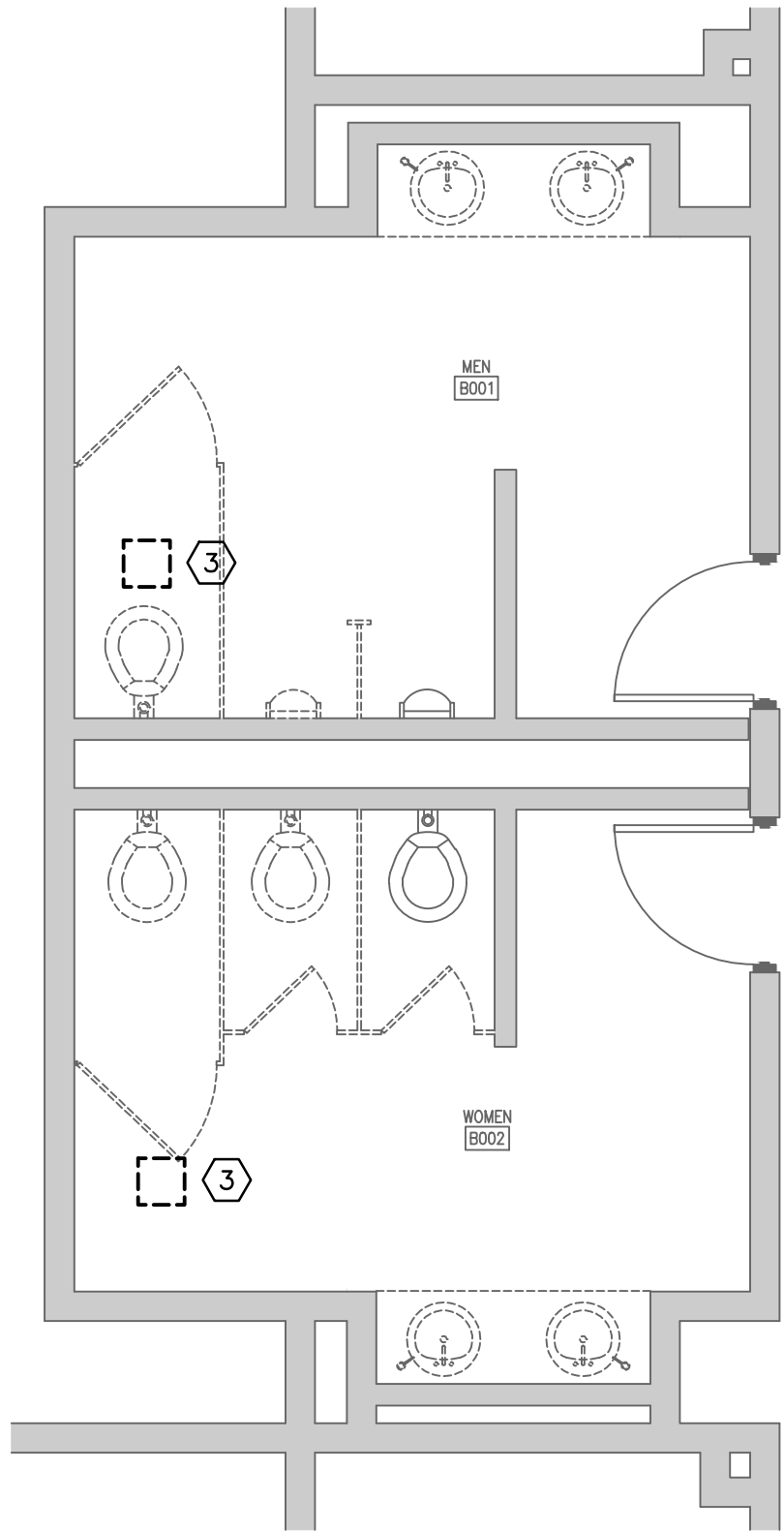
Swygert & Associates
CONSULTING ENGINEERS

DBA Swygert & Assoc., Ltd. Telephone: (803) 791-9300
Post Office Box 11886 Facsimile: (803) 791-9830
Columbia, S.C. 29211 mail@swygert-associates.com

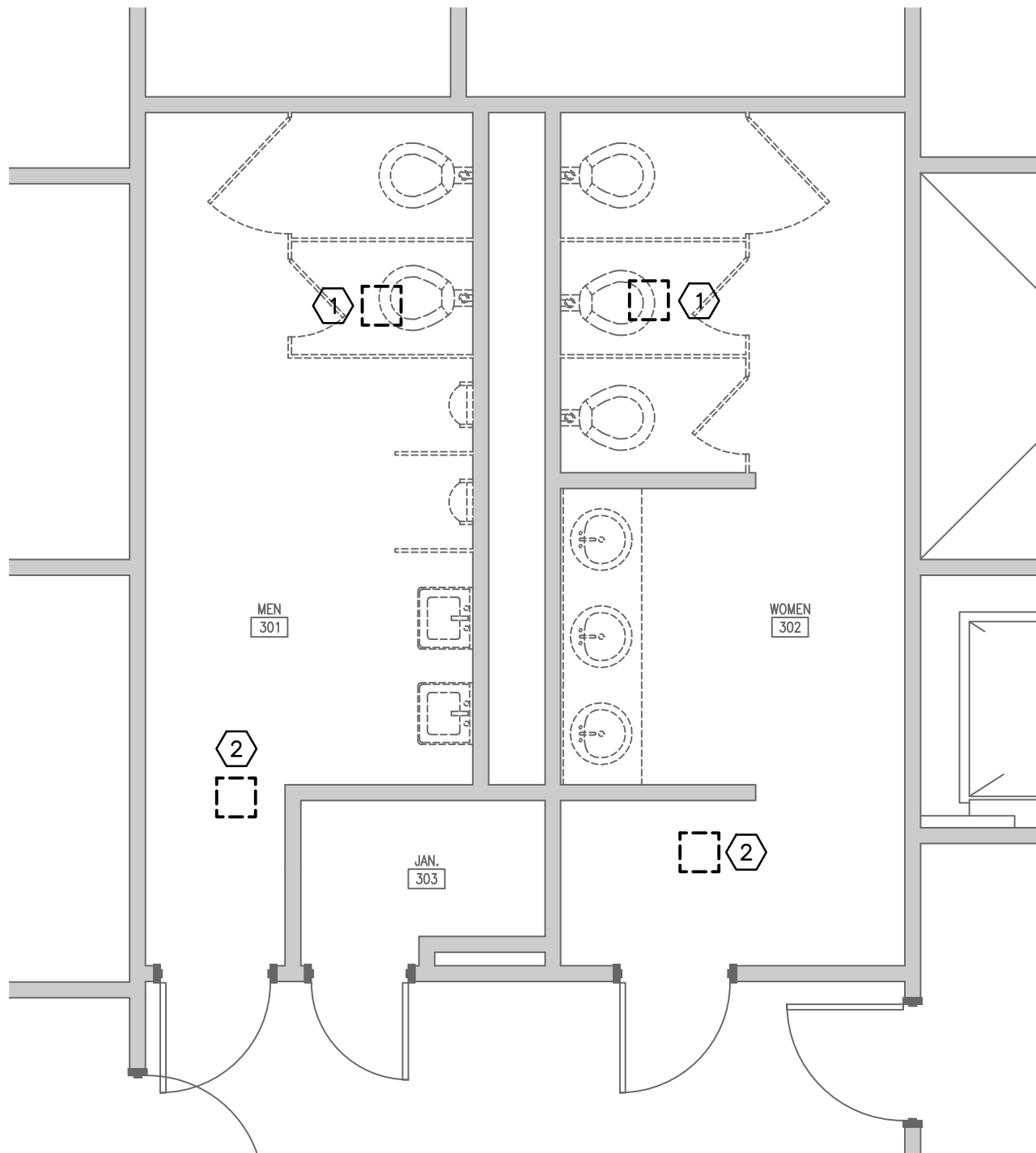
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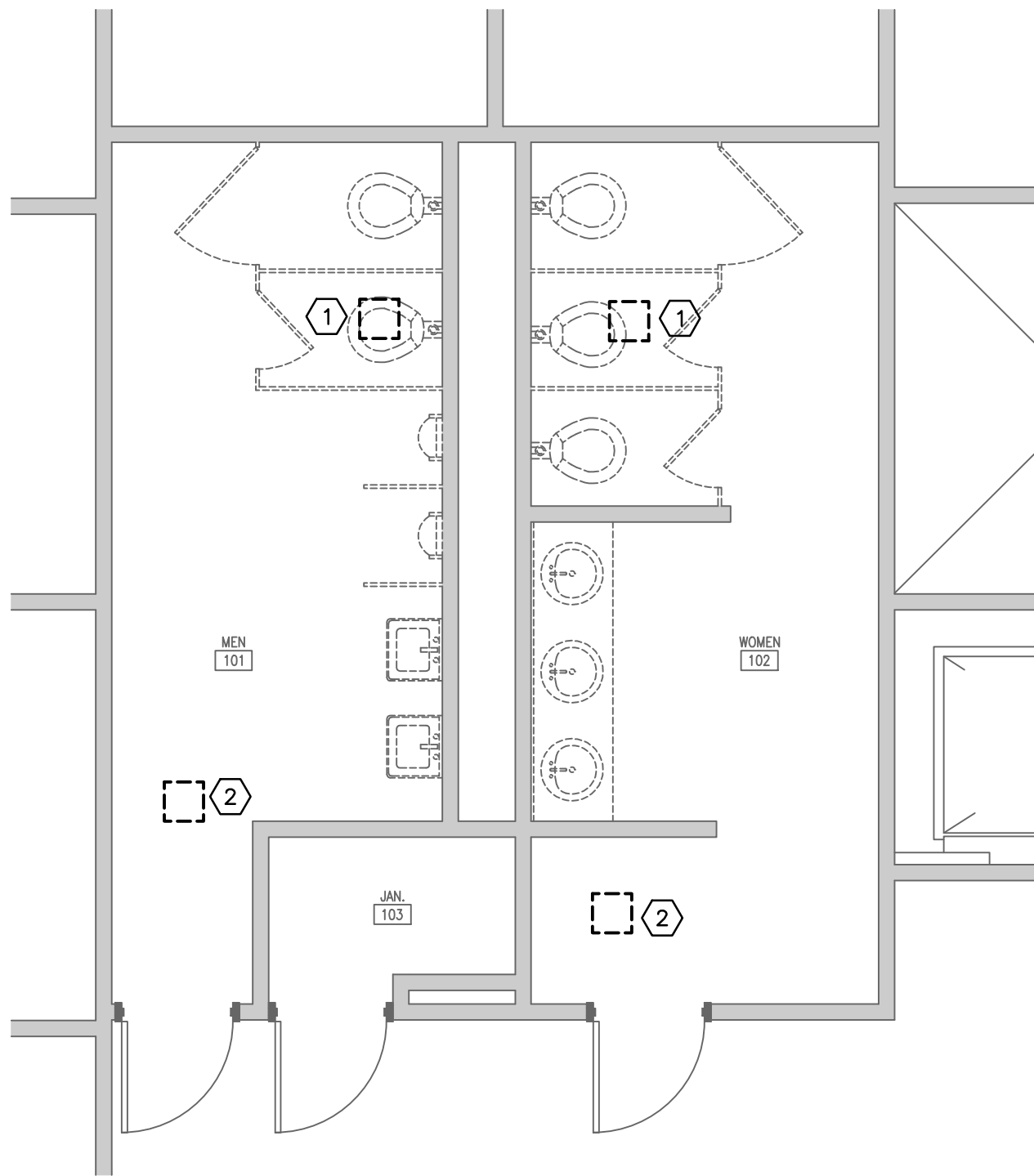
3 SECOND FLOOR DEMOLITION PLAN
MD101 SCALE: 1/4" = 1'-0"



1 BASEMENT DEMOLITION PLAN
MD101 SCALE: 1/4" = 1'-0"



4 THIRD FLOOR DEMOLITION PLAN
MD101 SCALE: 1/4" = 1'-0"



2 FIRST FLOOR DEMOLITION PLAN
MD101 SCALE: 1/4" = 1'-0"

NOTE:
ALL WORK ASSOCIATED
WITH THIS SHEET IS
PART OF ALTERNATE 1.

- DEMOLITION NOTES**
- 1 EXISTING EXHAUST GRILLE TO BE REMOVED COMPLETELY. EXISTING DUCTWORK TO REMAIN IN PLACE FOR CONNECTION TO NEW.
 - 2 EXISTING TRANSFER GRILLE TO BE REMOVED COMPLETELY. EXISTING DUCTWORK TO REMAIN IN PLACE FOR CONNECTION TO NEW.
 - 3 EXISTING CEILING MOUNTED EXHAUST FAN TO BE REMOVED COMPLETELY. EXISTING DUCTWORK TO REMAIN IN PLACE FOR CONNECTION TO NEW. SEE RENOVATION PLANS FOR NEW EXHAUST FAN.

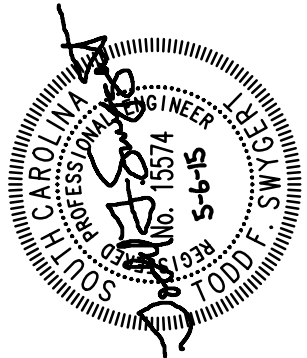
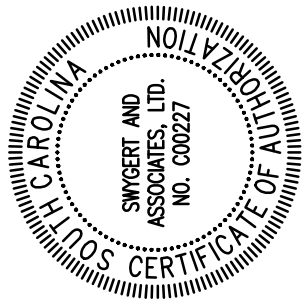
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CLIENT NAME
USC SCHOOL OF MEDICINE
PROJECT NAME
15 MED PARK BATHROOM
RENOVATION
LOCATION
3555 HARDEN STREET EXT. COLUMBIA, SC
29201

REVISIONS		
NO.	DATE	DESCRIPTION

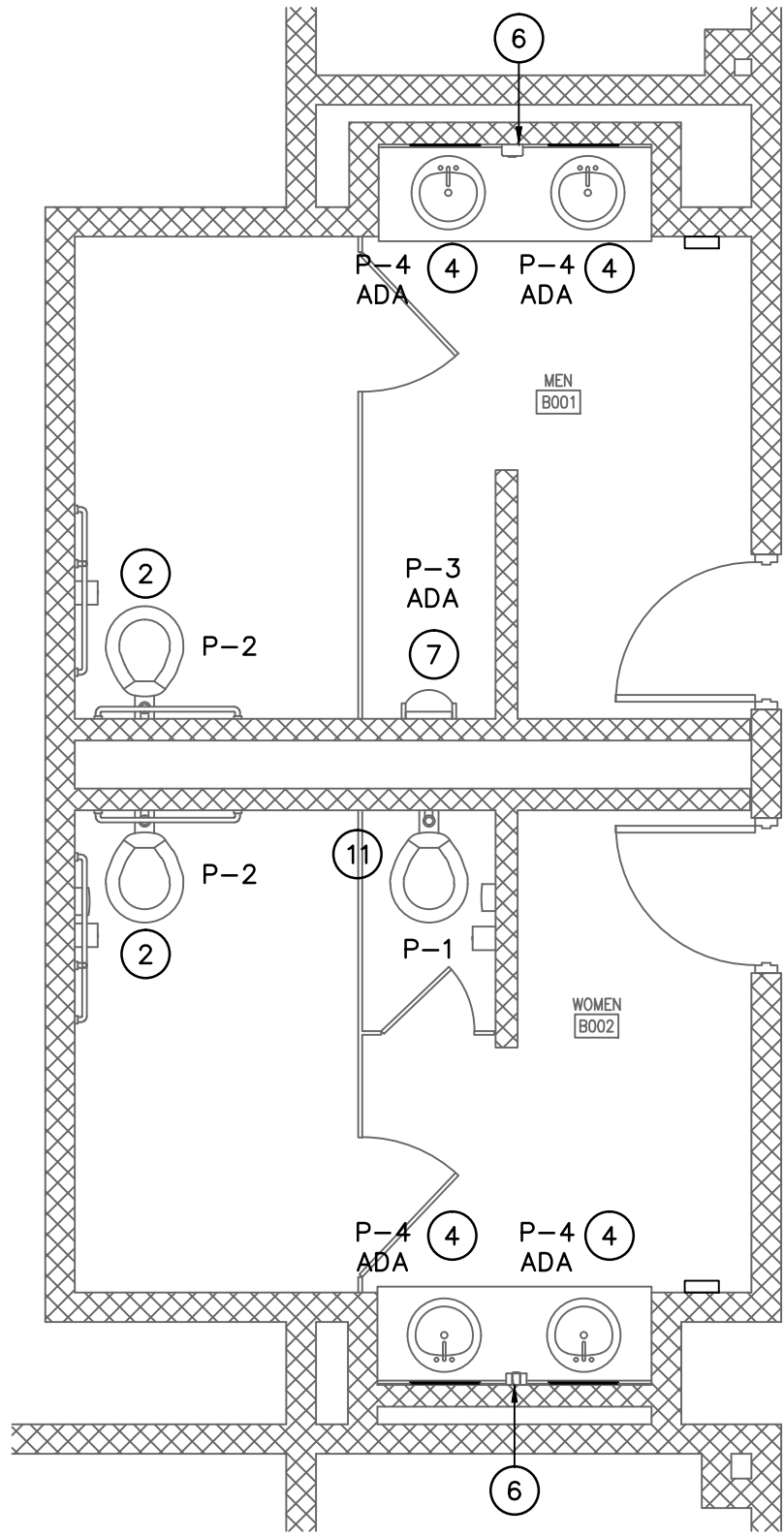
PROJECT NUMBER 15012
SHEET NUMBER
MD101
SHEET NAME
DEMOLITION FLOOR
PLANS - ALTERNATE 1
DATE 08/07/2015



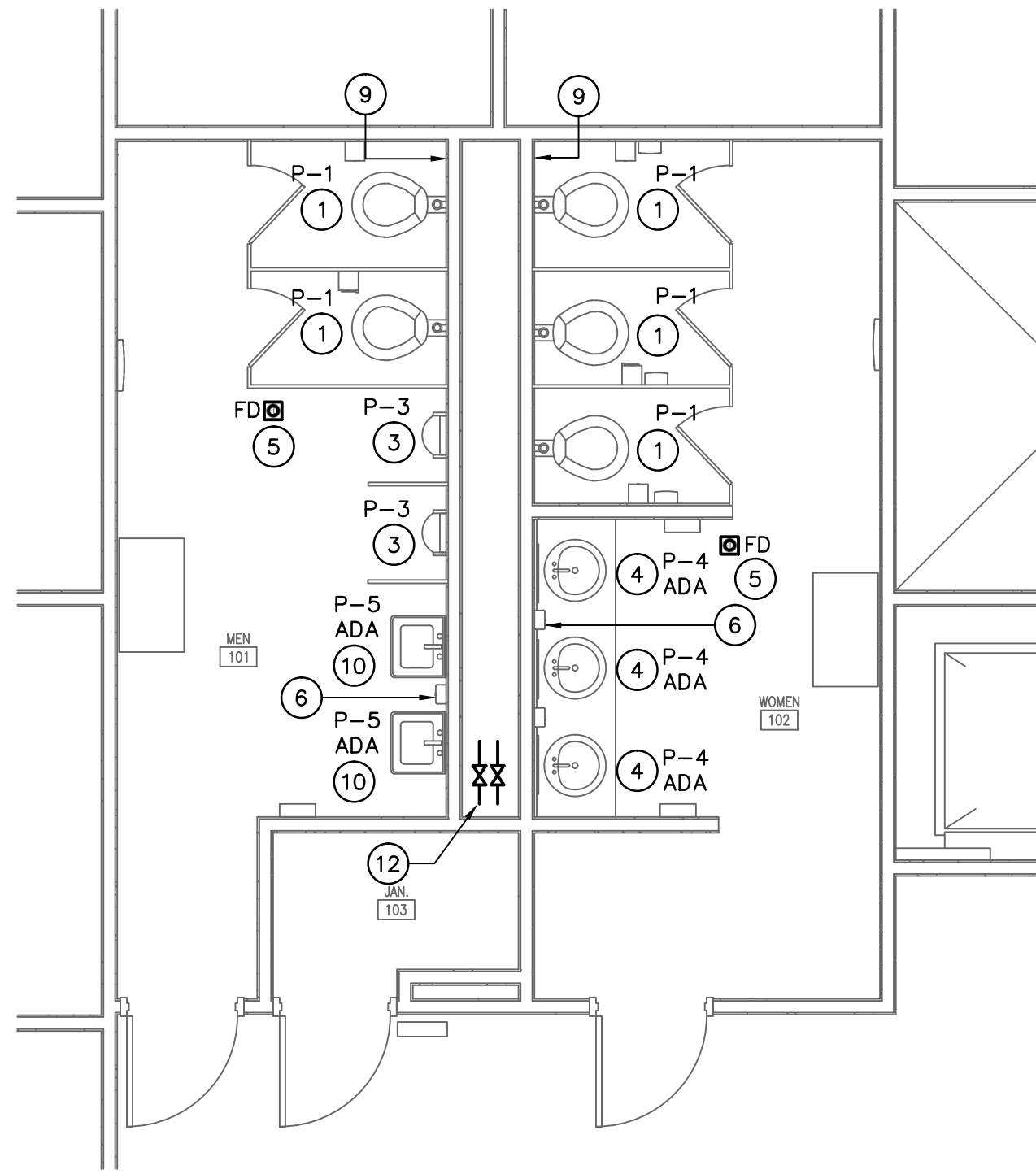
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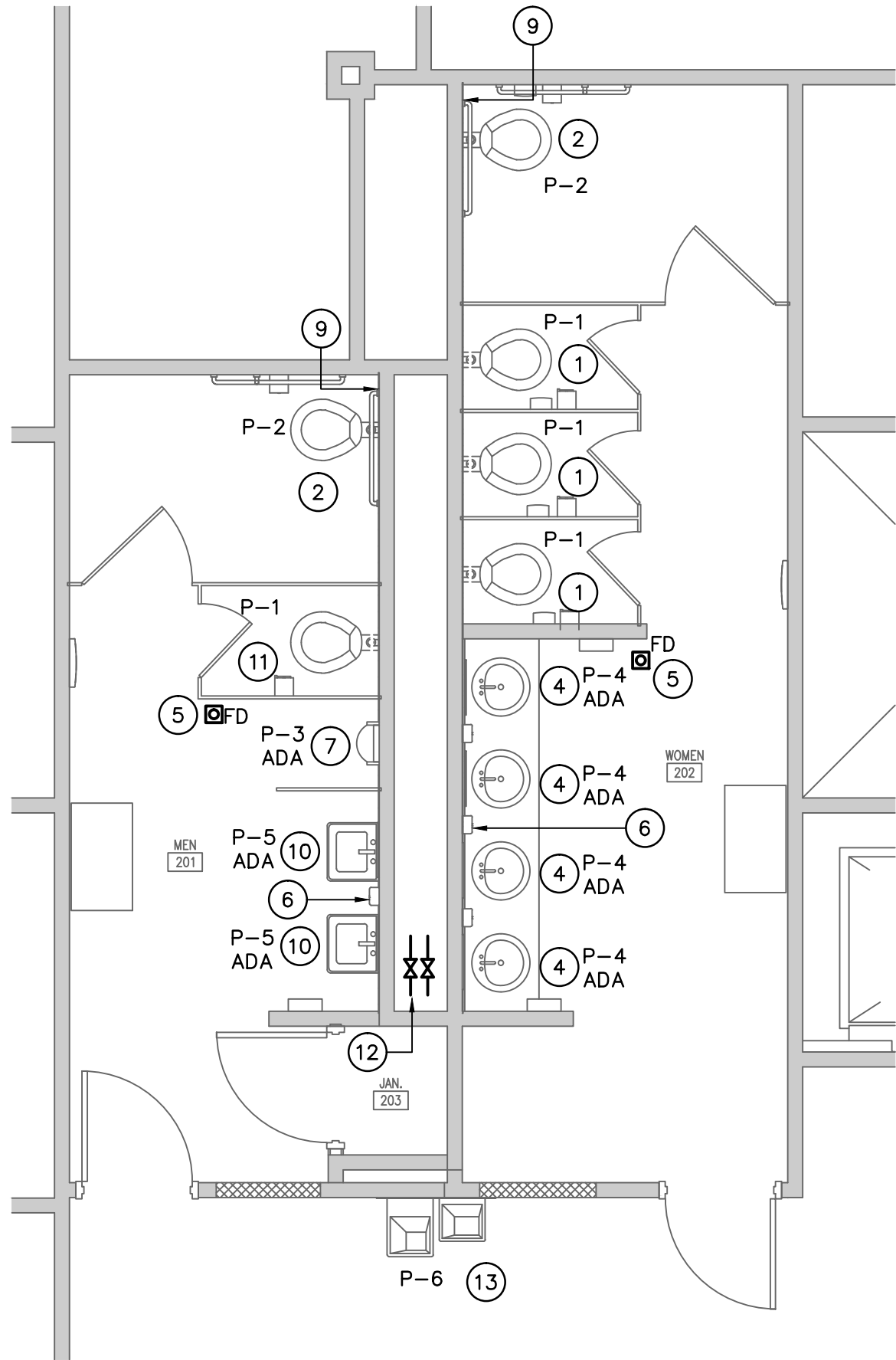
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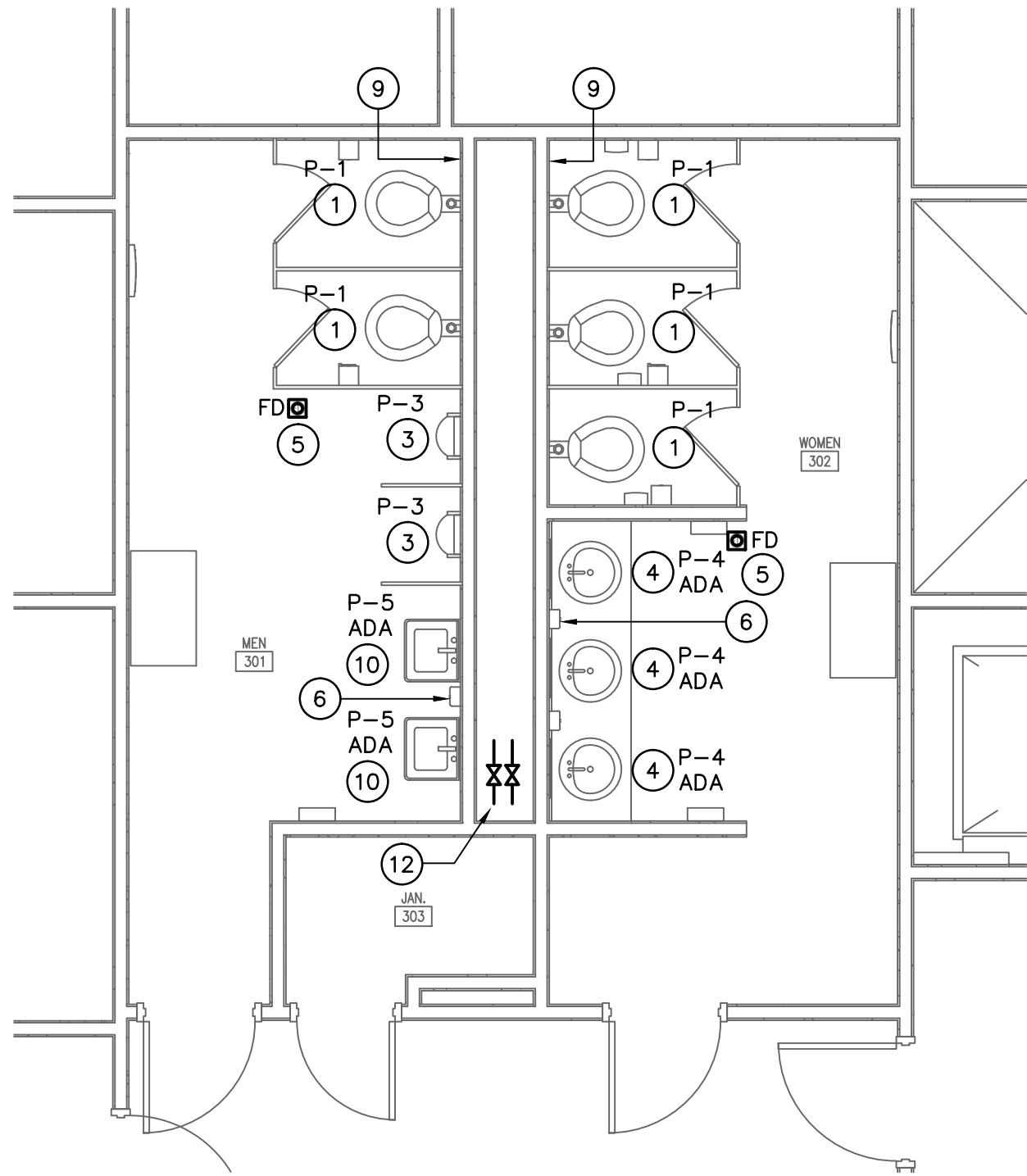
1 BASEMENT RENOVATION PLAN
P101 SCALE: 1/4" = 1'-0"



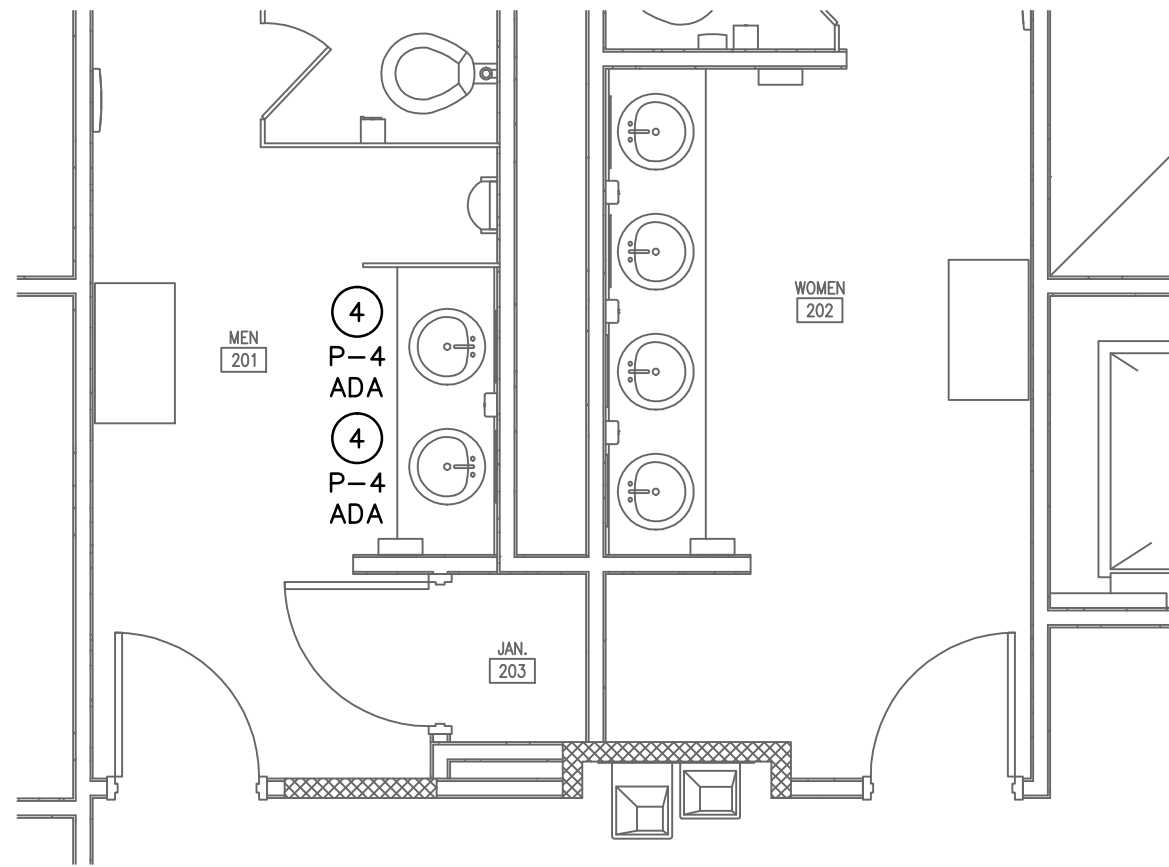
2 FIRST FLOOR RENOVATION PLAN
P101 SCALE: 1/4" = 1'-0"



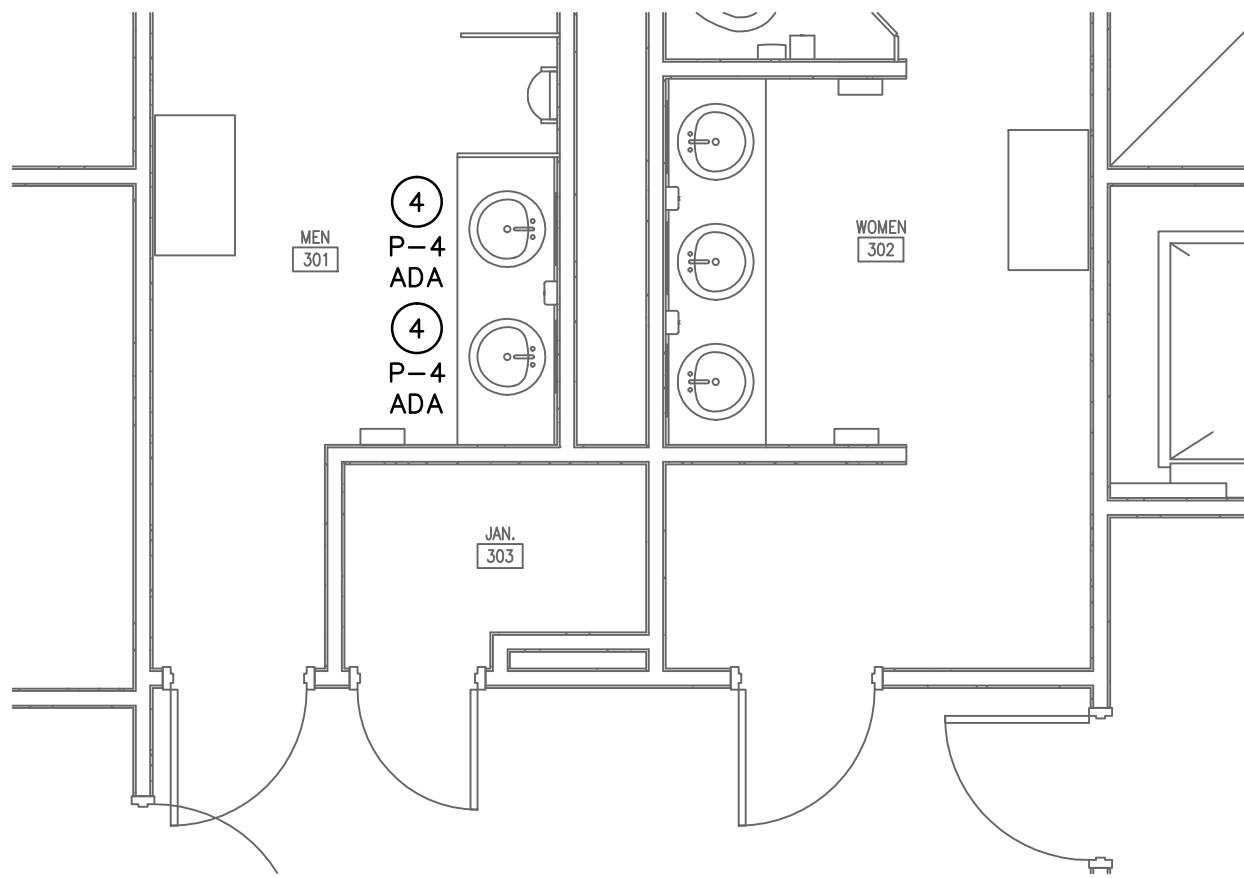
3 SECOND FLOOR RENOVATION PLAN
P101 SCALE: 1/4" = 1'-0"



4 THIRD FLOOR RENOVATION PLAN
P101 SCALE: 1/4" = 1'-0"



5 ALTERNATE #2 FIRST FLOOR RENOVATION PLAN
P101 SCALE: 1/4" = 1'-0"

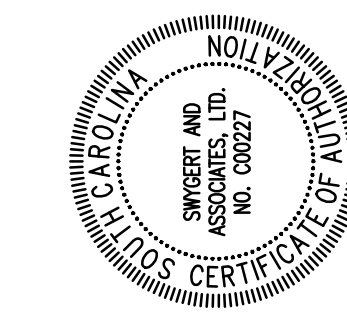
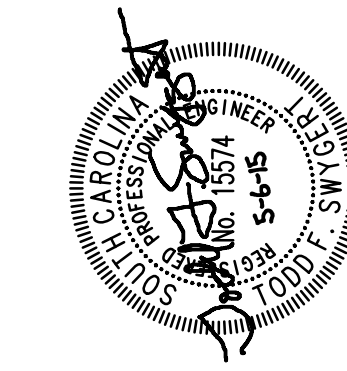


6 ALTERNATE #2 THIRD FLOOR RENOVATION PLAN
P101 SCALE: 1/4" = 1'-0"

NOTES TO SHEET

1. INSTALL NEW WALL MOUNTED WATER CLOSET AND FLUSH VALVE AS SPECIFIED IN THE PLUMBING FIXTURE SCHEDULE. RECONNECT TO EXISTING CHAIR CARRIER, SUPPLY, WASTE, AND VENT PIPING. TRANSITION AS REQUIRED.
2. INSTALL NEW WALL MOUNTED WATER CLOSET, FLUSH VALVE, AND CHAIR CARRIER AS SPECIFIED IN THE PLUMBING FIXTURE SCHEDULE. RECONNECT TO EXISTING SUPPLY, WASTE, AND VENT PIPING. TRANSITION AS REQUIRED. NEW FIXTURE IS FOR USE PER THE ADA REQUIREMENTS AND THE OPERATING HANDLE SHALL BE ON THE WIDE SIDE OF THE BATHROOM STALL WHERE APPLICABLE AND HEIGHT OF FIXTURE TO BE ADJUSTED.
3. INSTALL NEW WALL HUNG URINAL AND FLUSH VALVE AS SPECIFIED IN THE PLUMBING FIXTURE SCHEDULE. RECONNECT TO EXISTING CHAIR CARRIER, SUPPLY, WASTE, AND VENT PIPING. TRANSITION AS REQUIRED.
4. INSTALL NEW COUNTERTOP LAVATORY, SENSOR FAUCET, SUPPLY LINES, AND P-TRAP AS SPECIFIED IN THE PLUMBING FIXTURE SCHEDULE. RECONNECT TO EXISTING SUPPLY, WASTE, AND VENT PIPING. TRANSITION AS REQUIRED.
5. INSTALL NEW FLOOR DRAIN. RECONNECT TO EXISTING WASTE LINE. TRANSITION AS REQUIRED.
6. INSTALL NEW HOSE BIB. RECONNECT TO EXISTING SUPPLY LINE. TRANSITION AS REQUIRED.
7. INSTALL WALL HUNG URINAL, FLUSH VALVE, AND CHAIR CARRIER AS SPECIFIED IN THE PLUMBING FIXTURE SCHEDULE. RECONNECT TO EXISTING SUPPLY, WASTE, AND VENT PIPING. TRANSITION AS REQUIRED. NEW FIXTURE IS FOR USE PER THE ADA REQUIREMENTS AT A LOWER HEIGHT AND WASTE AND SUPPLY LINES SHALL BE LOWERED IN THE WALL AS REQUIRED.
8. NOT USED.
9. REINSTALL EXISTING WALL CLEANOUT PLATE AFTER INSTALLATION OF NEW TILE.
10. INSTALL NEW WALL HUNG LAVATORY, SENSOR FAUCET, SUPPLY LINES, AND P-TRAP AS SPECIFIED IN THE PLUMBING FIXTURE SCHEDULE. RECONNECT TO EXISTING SUPPLY, WASTE, AND VENT PIPING. TRANSITION AS REQUIRED.
11. INSTALL NEW WALL MOUNTED WATER CLOSET, FLUSH VALVE, AND CHAIR CARRIER AT NEW LOCATION. RECONNECT TO EXISTING SUPPLY, WASTE, AND VENT PIPING. TRANSITION AS REQUIRED.
12. INSTALL NEW 2" COLD WATER AND 1" HOT WATER SHUT OFF VALVES IN CHASE WITH NEW BALL VALVES. CONNECT TO EXISTING PIPING WATER TIGHT. INSULATE PER THE SPECIFICATIONS.
13. INSTALL NEW DRINKING FOUNTAIN PER THE PLUMBING FIXTURE SCHEDULE. RECONNECT TO EXISTING WASTE, VENT, AND SUPPLY PIPING. TRANSITION AS REQUIRED.

NOTE:
ALTERNATE #2 SHALL
ONLY APPLY TO THE
FIRST AND THIRD FLOOR.



CLIENT NAME USC SCHOOL OF MEDICINE	PROJECT NAME 15 MED PARK BATHROOM RENOVATION	LOCATION 3555 HARDEN STREET EXT. COLUMBIA, SC 29201
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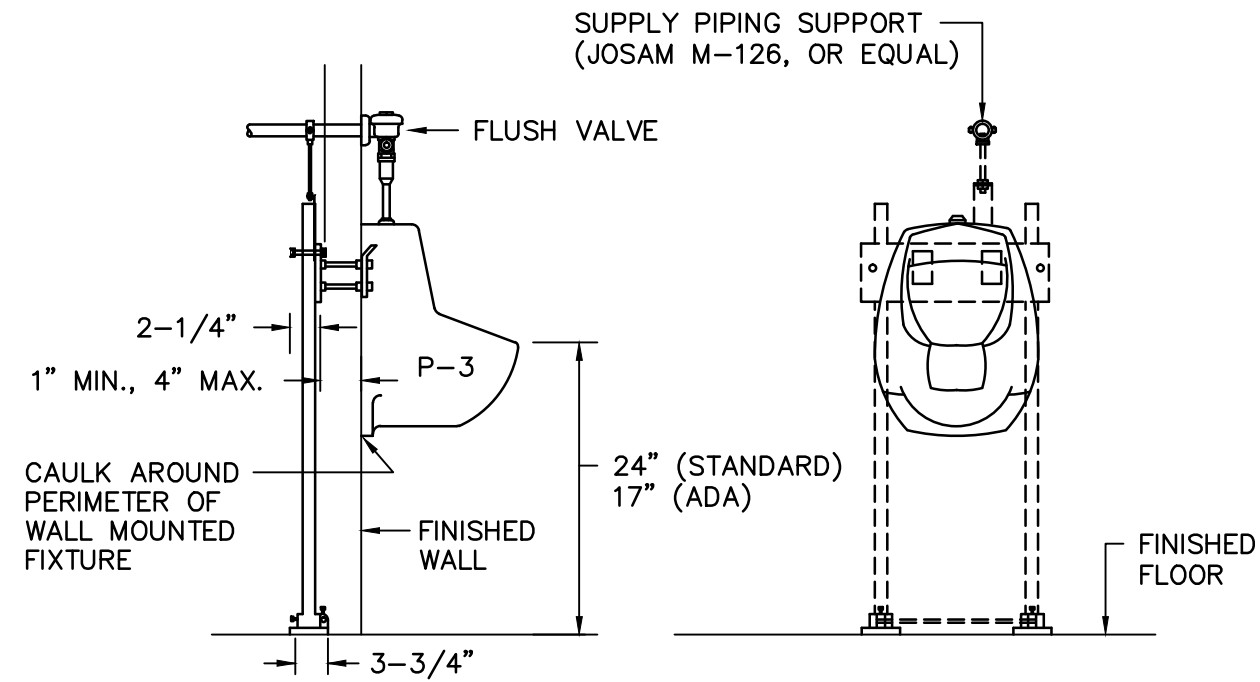
NO.	DATE	DESCRIPTION
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PROJECT NUMBER	15012
SHEET NUMBER	P101
SHEET NAME	RENOVATION FLOOR PLANS
DATE	08/07/2015

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CONSULTING ENGINEERS

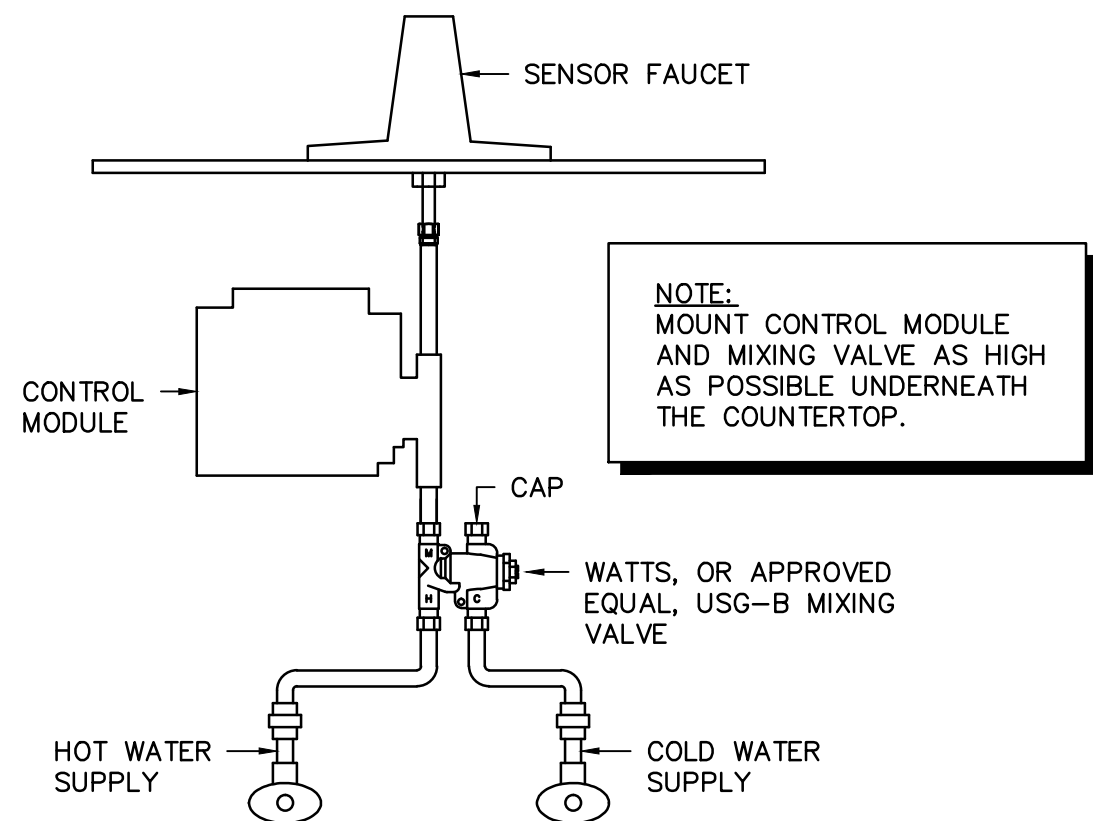
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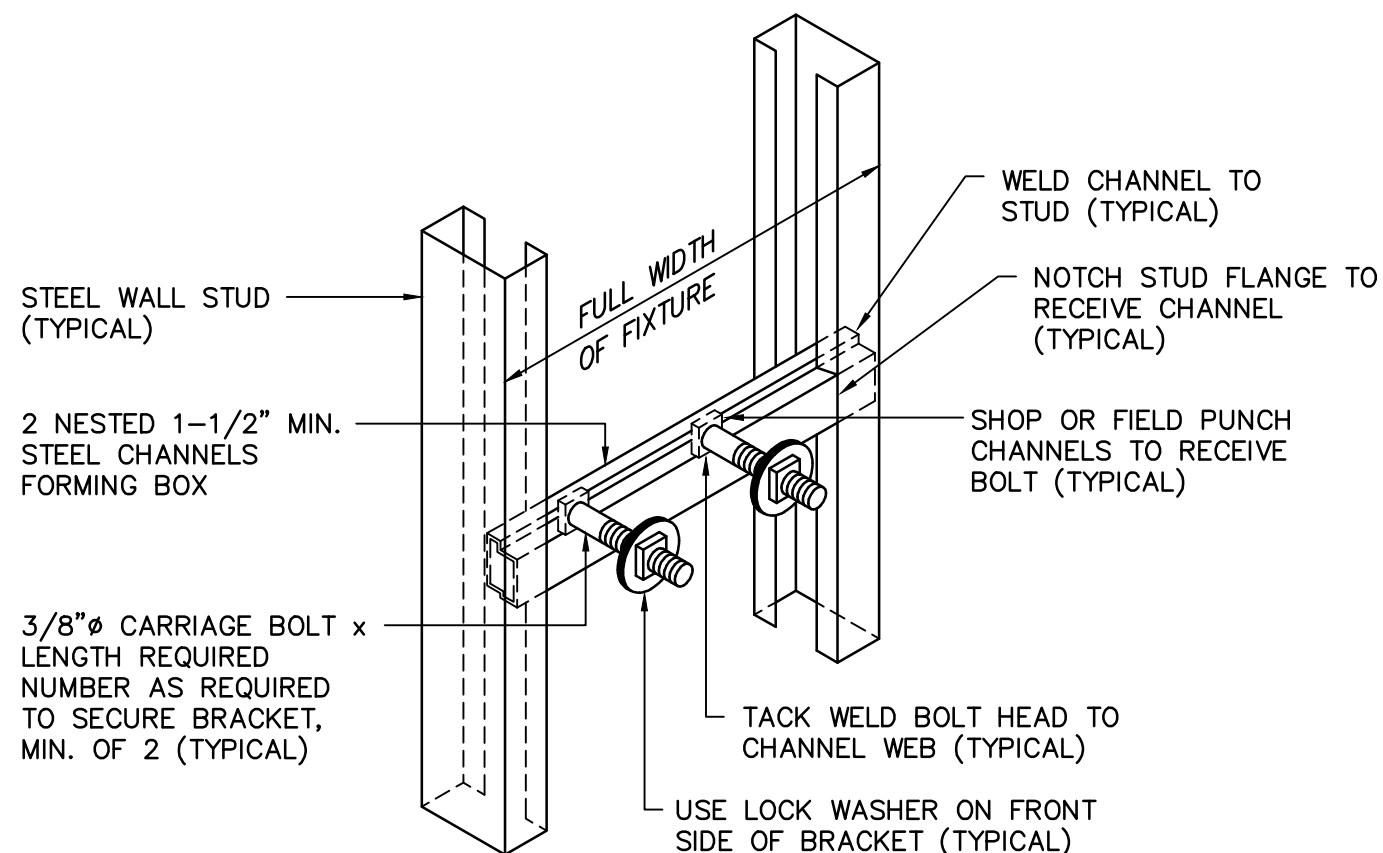
TYPICAL URINAL SUPPORT

NO SCALE



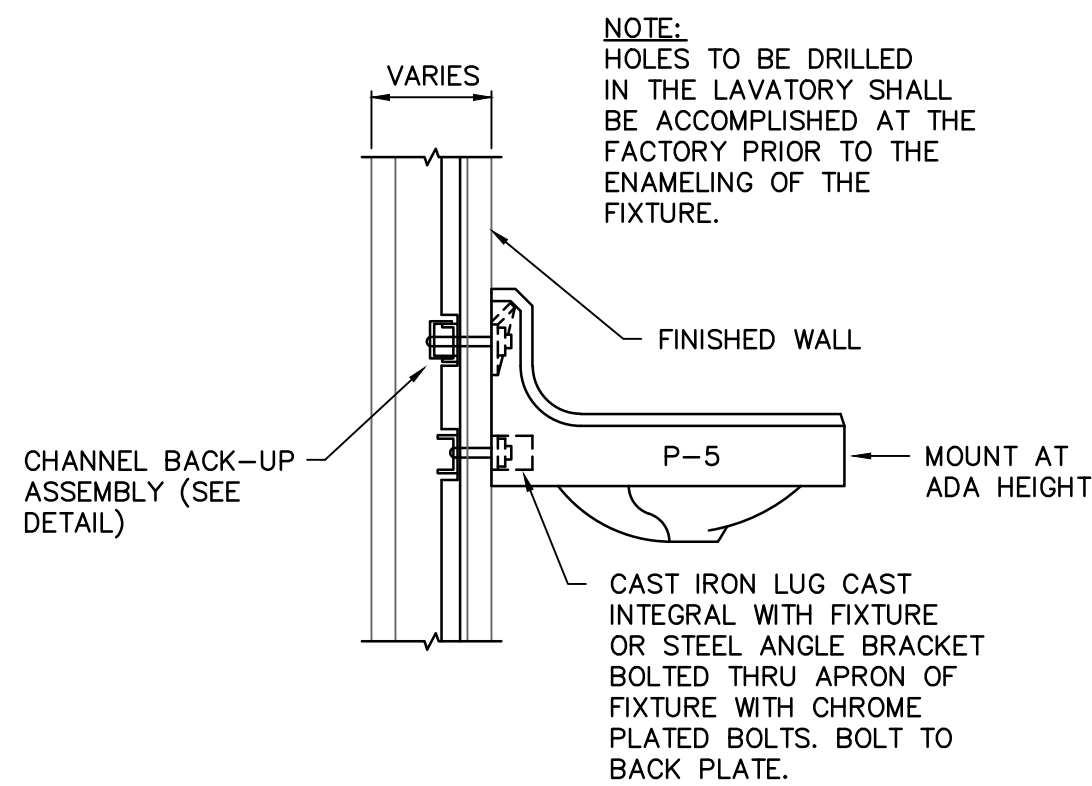
LAVATORY MIXING VALVE DETAIL

NO SCALE



CHANNEL BACK-UP ASSEMBLY

NO SCALE

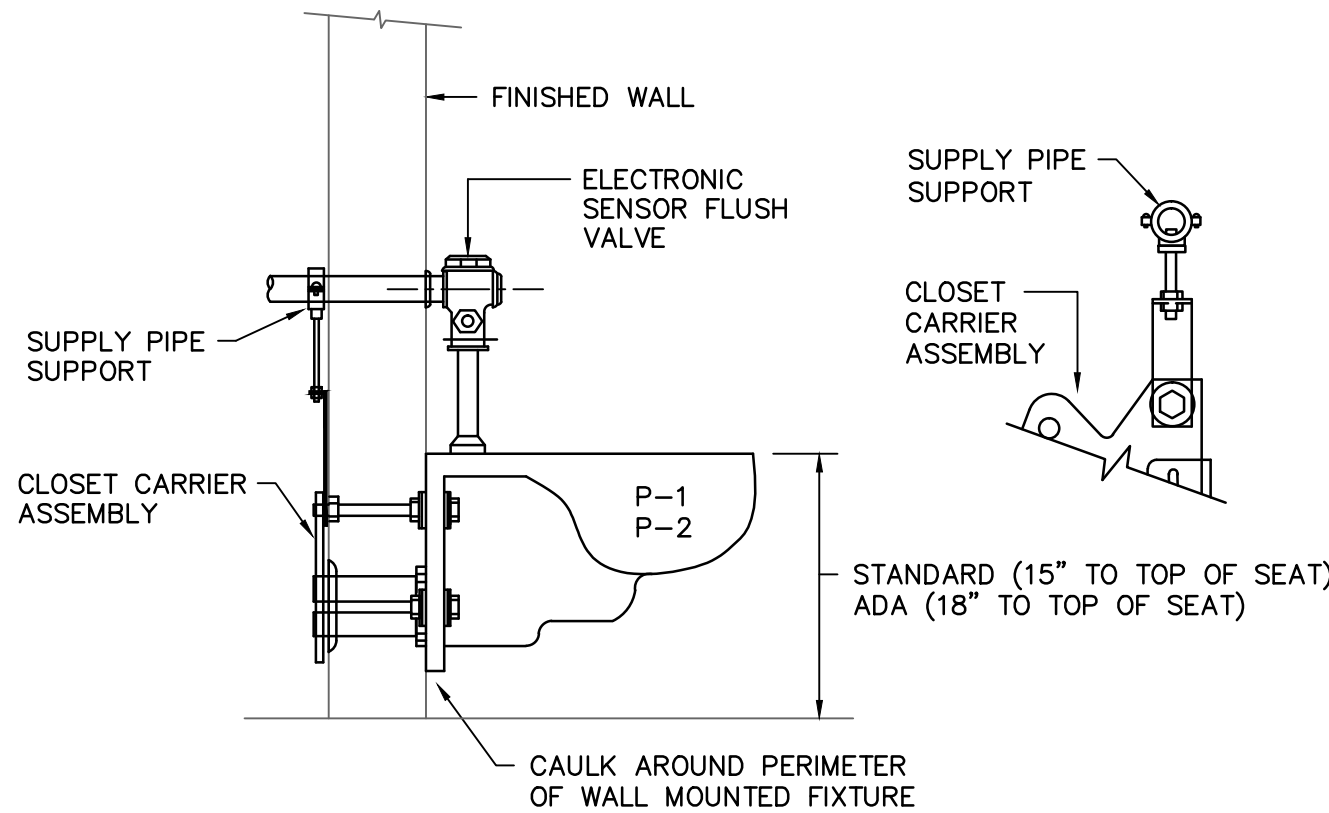


LAVATORY MOUNTING DETAIL

NO SCALE

PLUMBING FIXTURE SCHEDULE									
P. NO.	FIXTURE	MFR.	NAME	MFRS. NO.	SIZE	MIN. SUPPLY		REMARKS	
						CW	HW		
P-1	WATER CLOSET	KOHLER	KINGSTON	K-4325	- - -	1"	- -	WITH SLOAN MODEL 8111-1.28 SENSOR FLUSH VALVE, BENEKE 527 SEAT, AND BOLT CAPS.	
P-2	ACCESSIBLE WATER CLOSET	KOHLER	KINGSTON	K-4325	- - -	1"	- -	WITH SLOAN MODEL 8111-1.28 SENSOR FLUSH VALVE, BENEKE 527 SEAT, AND BOLT CAPS.	
P-3	URINAL	KOHLER	DEXTER	K-5016-ET	- - -	3/4"	- -	WITH SLOAN MODEL 8186-0.5 FLUSH VALVE, AND CHAIR CARRIER.	
P-4	COUNTERTOP LAVATORY	KOHLER	CAXTON	K-2210	19"x16"	3/8"	3/8"	UNDERCOUNTER MOUNTED WITH SLOAN MODEL SF-2250 BATTERY POWERED SENSOR FAUCET AND WATTS, OR APPROVED EQUAL, SERIES USG-B MIXING VALVE, McGUIRE 155A GRID DRAIN, McGUIRE H165 3/8" CAST BRASS SUPPLIES WITH STOPS, AND McGUIRE 8872 1-1/4" P-TRAP. MOUNT MIXING VALVE AS HIGH AS POSSIBLE UNDER COUNTERTOP. AND McGUIRE 8872 1-1/4" P-TRAP.	
P-5	WALL HUNG LAVATORY	KOHLER	HUDSON	K-2805-1	19"x17"	3/8"	- -	WITH SLOAN MODEL SF-2250 BATTERY POWERED SENSOR FAUCET AND WATTS, OR APPROVED EQUAL, SERIES USG-B MIXING VALVE, McGUIRE 155A GRID DRAIN, McGUIRE H165 3/8" CAST BRASS SUPPLIES WITH STOPS, AND McGUIRE 8872 1-1/4" P-TRAP. MOUNT MIXING VALVE AS HIGH AS POSSIBLE UNDER COUNTERTOP. AND McGUIRE 8872 1-1/4" P-TRAP. MOUNT PER ADA REQUIREMENTS.	
P-6	ELECTRIC WATER COOLER	OASIS	- - -	P8ACSL	- - -	3/8"	- -	WITH STAINLESS STEEL FINISH, STAINLESS STEEL CANE TOUCH APRON, McGUIRE H165 3/8" CAST BRASS SUPPLY WITH STOP AND McGUIRE 8872 1-1/4" P-TRAP. MOUNT PER ADA REQUIREMENTS.	
P-7	HOSE BIB	WOODFORD	- - -	MODEL 24	- - -	3/4"	- -	MOUNTED 18" ABOVE FINISHED FLOOR.	
FD	FLOOR DRAIN	ZURN	- - -	ZN-415-S	- - -	- -	- -	WITH 5"x5" SQUARE NICKEL BRONZE STRAINER, P-TRAP, AND TRAP GUARD BY PROSET, OR APPROVED EQUAL.	

NOTE: SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS OF ALL WALL MOUNTED FIXTURES.



WATER CLOSET SUPPLY DETAIL

NO SCALE

GENERAL NOTES

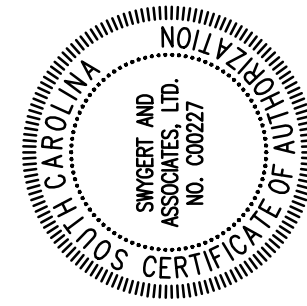
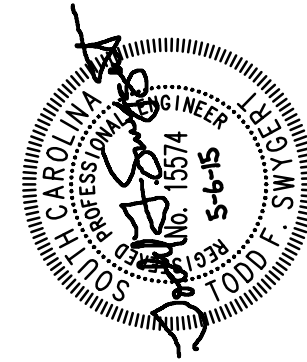
- ALL WORK SHALL BE PERFORMED ACCORDING TO ALL LOCAL, STATE, NATIONAL CODES, AND THE 2012 INTERNATIONAL PLUMBING CODE.
- DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR EXACT DIMENSIONS, FIXTURE LOCATIONS, ETC.
- EXCEPT WHERE PIPE SPACE IS PROVIDED OR UNLESS NOTED OTHERWISE, ALL SUPPLY, WASTE AND VENT RISERS SHALL BE RUN IN WALLS AND PARTITIONS.
- COORDINATE CLOSELY WITH ALL WORK DONE UNDER OTHER DIVISIONS OF THE SPECIFICATIONS TO AVOID INTERFERENCE AND CONFLICT.
- EXPOSED WASTE AND WATER PIPING UNDER LAVATORIES MARKED "ADA" SHALL BE INSULATED WITH HANDI LAV-GUARD KIT MODEL NUMBER 102W AS MANUFACTURED BY TRUEBRO, INC., OR APPROVED EQUAL.
- ALL PIPING INSULATION SHALL BE RUN CONTINUOUSLY.
- EXISTING FLOOR SLAB SHALL BE "SAW-CUT" FOR INSTALLATION OF NEW SEWER LINES. THIS CONTRACTOR SHALL PATCH AND FILL FOR CONCRETE FINISH BY OTHERS.

LEGEND

SYMBOL	DESCRIPTION
	DOMESTIC COLD WATER LINE
	DOMESTIC HOT WATER LINE
	SHUTOFF VALVE
	PIPE TURNS TO, AWAY
	FLOOR DRAIN
ADA	FIXTURE FOR USE ACCORDING TO THE AMERICANS WITH DISABILITIES ACT
	CONNECTION POINT OF NEW TO EXISTING

STUDIO 2LR, INC.
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P.803.233.6602 F.802.233.6613
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CLIENT NAME
USC SCHOOL OF MEDICINE
PROJECT NAME
15 MED PARK BATHROOM RENOVATION
LOCATION
3555 HARDEN STREET EXT. COLUMBIA, SC 29201

REVISIONS		
NO.	DATE	DESCRIPTION

PROJECT NUMBER 15012
SHEET NUMBER

P201

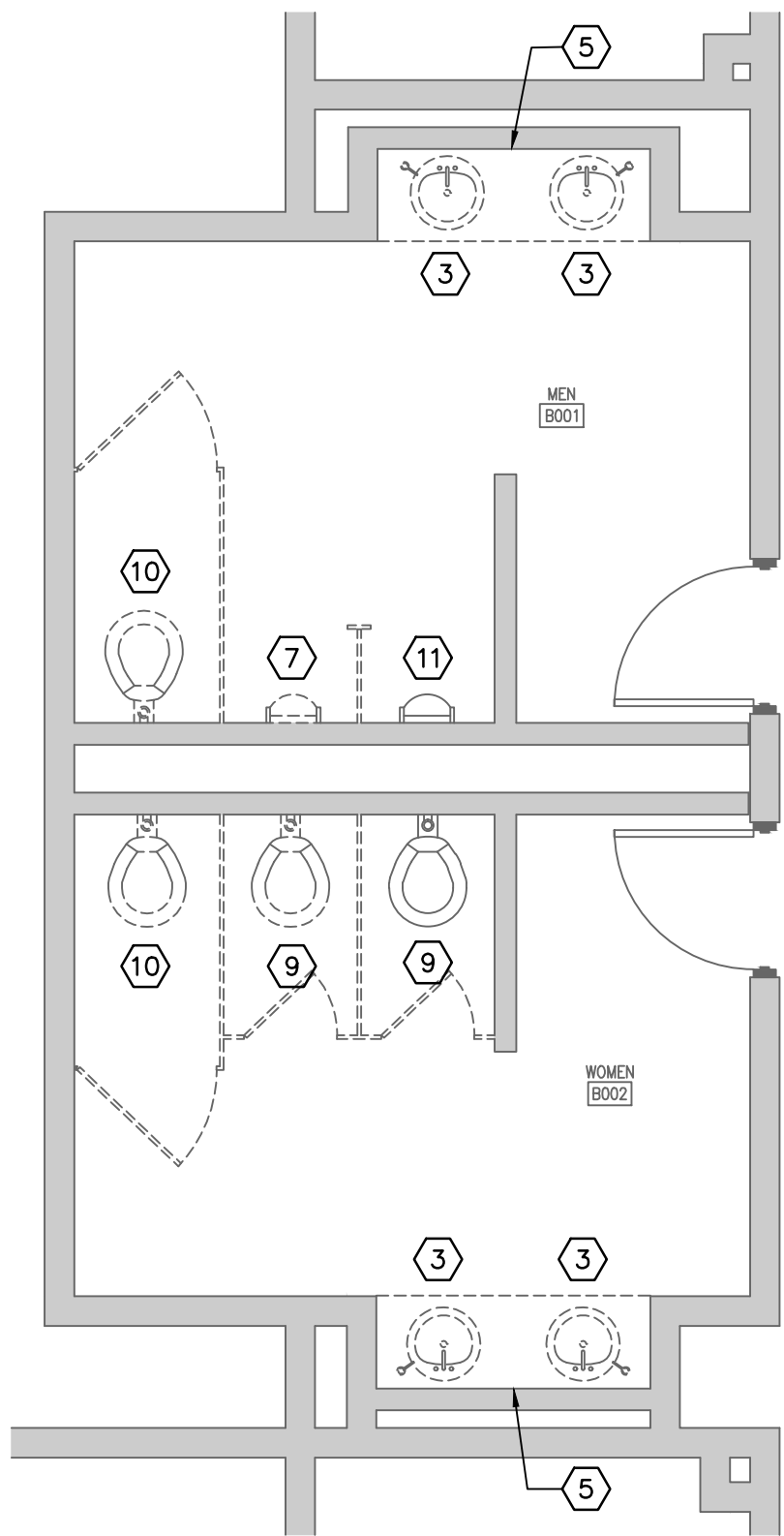
SHEET NAME
DETAILS, NOTES, SCHEDULE, AND LEGEND

DATE 08/07/2015

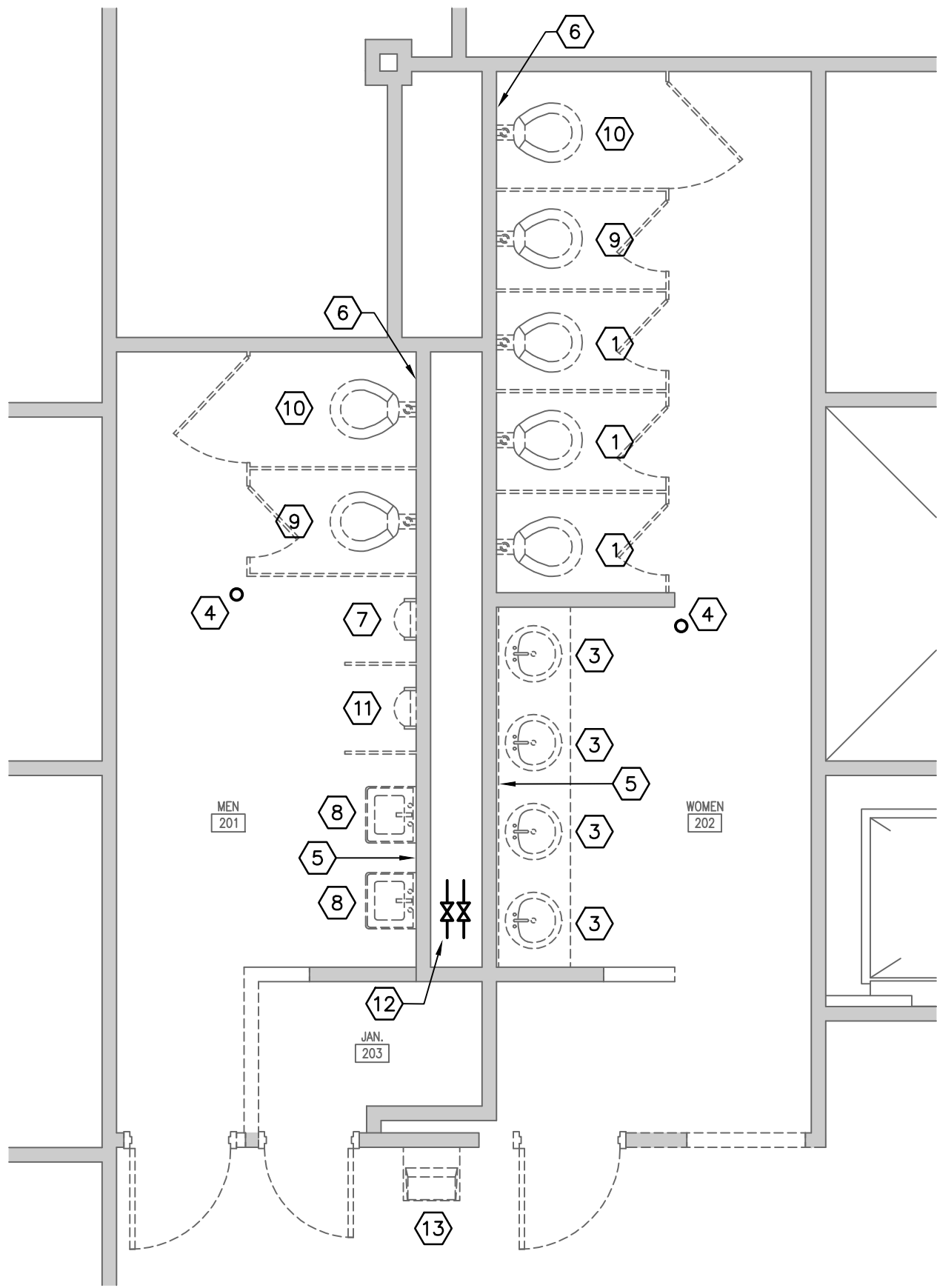
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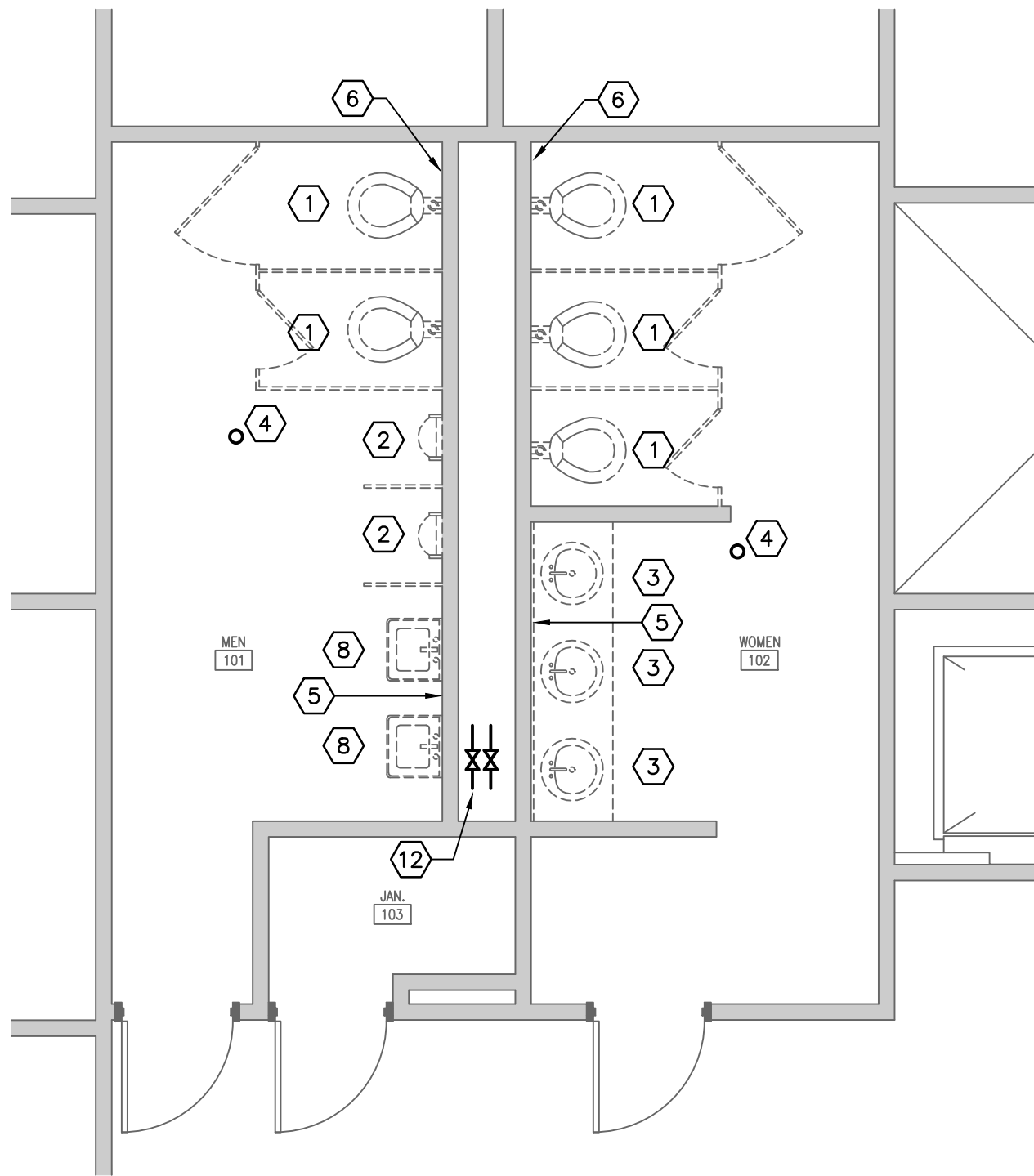
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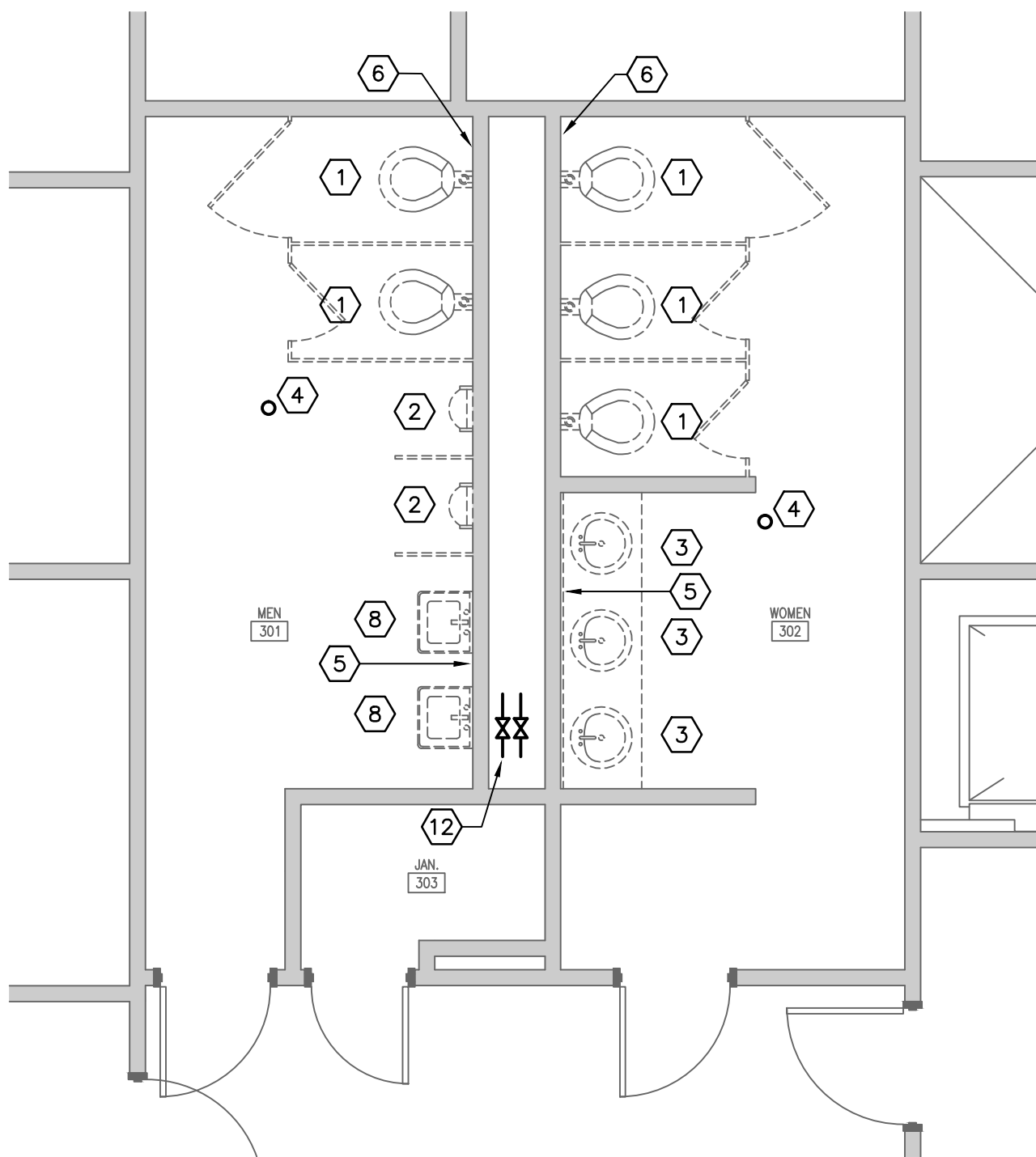
1 BASEMENT DEMOLITION PLAN
PD101 SCALE: 1/4" = 1'-0"



3 SECOND FLOOR DEMOLITION PLAN
PD101 SCALE: 1/4" = 1'-0"

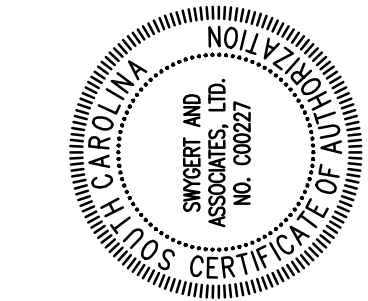
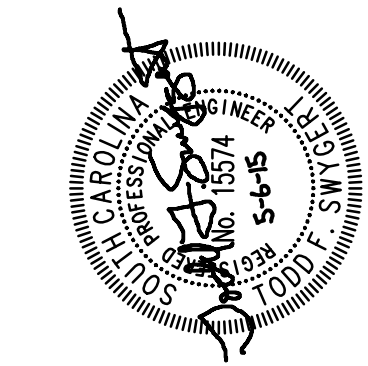


2 FIRST FLOOR DEMOLITION PLAN
PD101 SCALE: 1/4" = 1'-0"



4 THIRD FLOOR DEMOLITION PLAN
PD101 SCALE: 1/4" = 1'-0"

- DEMOLITION NOTES
- 1 EXISTING WALL MOUNTED WATER CLOSET TO BE REMOVED COMPLETELY INCLUDING FLUSH VALVE. EXISTING CHAIR CARRIER, SUPPLY, WASTE, AND VENT PIPING TO BE REUSED FOR NEW FIXTURE.
 - 2 EXISTING WALL HUNG URINAL TO BE REMOVED COMPLETELY INCLUDING FLUSH VALVE. EXISTING CHAIR CARRIER, SUPPLY, WASTE, AND VENT PIPING TO BE REUSED FOR NEW FIXTURE.
 - 3 EXISTING COUNTERTOP LAVATORY TO BE REMOVED COMPLETELY INCLUDING FAUCET, SUPPLY TUBING, AND P-TRAP. COORDINATE WITH DEMOLITION OF COUNTERTOP BEING HANDLED BY GENERAL CONTRACTOR. EXISTING SUPPLY, WASTE, AND VENT PIPING TO BE REUSED FOR NEW FIXTURE.
 - 4 EXISTING FLOOR DRAIN TO BE REMOVED. EXISTING WASTE PIPING TO BE REUSED FOR NEW FLOOR DRAIN.
 - 5 EXISTING HOSE BIB TO BE REMOVED. EXISTING SUPPLY PIPING TO BE REUSED FOR NEW HOSE BIB.
 - 6 EXISTING WALL CLEANOUT TO BE REMOVED FOR NEW TILE WORK.
 - 7 EXISTING WALL HUNG URINAL AND FLUSH VALVE TO BE REMOVED COMPLETELY. CAP ALL EXISTING PIPING WATER TIGHT AS REQUIRED.
 - 8 EXISTING WALL HUNG LAVATORY TO BE REMOVED COMPLETELY INCLUDING FAUCET, SUPPLY TUBING, AND P-TRAP. EXISTING SUPPLY, WASTE, AND VENT PIPING TO BE REUSED FOR NEW FIXTURE.
 - 9 EXISTING WALL HUNG WATER CLOSET TO BE REMOVED COMPLETELY INCLUDING FLUSH VALVE. CAP ALL PIPING WATER TIGHT AS REQUIRED.
 - 10 EXISTING WALL MOUNTED WATER CLOSET TO BE REMOVED COMPLETELY INCLUDING FLUSH VALVE AND CHAIR CARRIER. EXISTING SUPPLY, WASTE, AND VENT PIPING TO BE REUSED FOR NEW FIXTURE AT NEW HEIGHT AND SLIGHTLY DIFFERENT LOCATION TO MEET ADA.
 - 11 EXISTING WALL HUNG URINAL TO BE REMOVED COMPLETELY INCLUDING FLUSH VALVE AND CHAIR CARRIER. EXISTING SUPPLY, WASTE, AND VENT PIPING TO BE REUSED FOR NEW FIXTURE AT NEW HEIGHT AND SLIGHTLY DIFFERENT LOCATION TO MEET ADA.
 - 12 EXISTING 2i" COLD WATER AND 1" HOT WATER VALVES TO BE REMOVED AND REPLACED.
 - 13 EXISTING ELECTRIC WATER COOLER TO BE REMOVED COMPLETELY. EXISTING SUPPLY, WASTE, AND VENT PIPING TO BE REUSED FOR NEW FIXTURE.



CLIENT NAME
USC SCHOOL OF MEDICINE

PROJECT NAME
15 MED PARK BATHROOM RENOVATION

LOCATION
3555 HARDEN STREET EXT. COLUMBIA, SC 29201

REVISIONS		
NO.	DATE	DESCRIPTION

PROJECT NUMBER 15012

SHEET NUMBER

PD101

SHEET NAME
DEMOLITION FLOOR PLANS

DATE 08/07/2015

Swygert & Associates
CONSULTING ENGINEERS

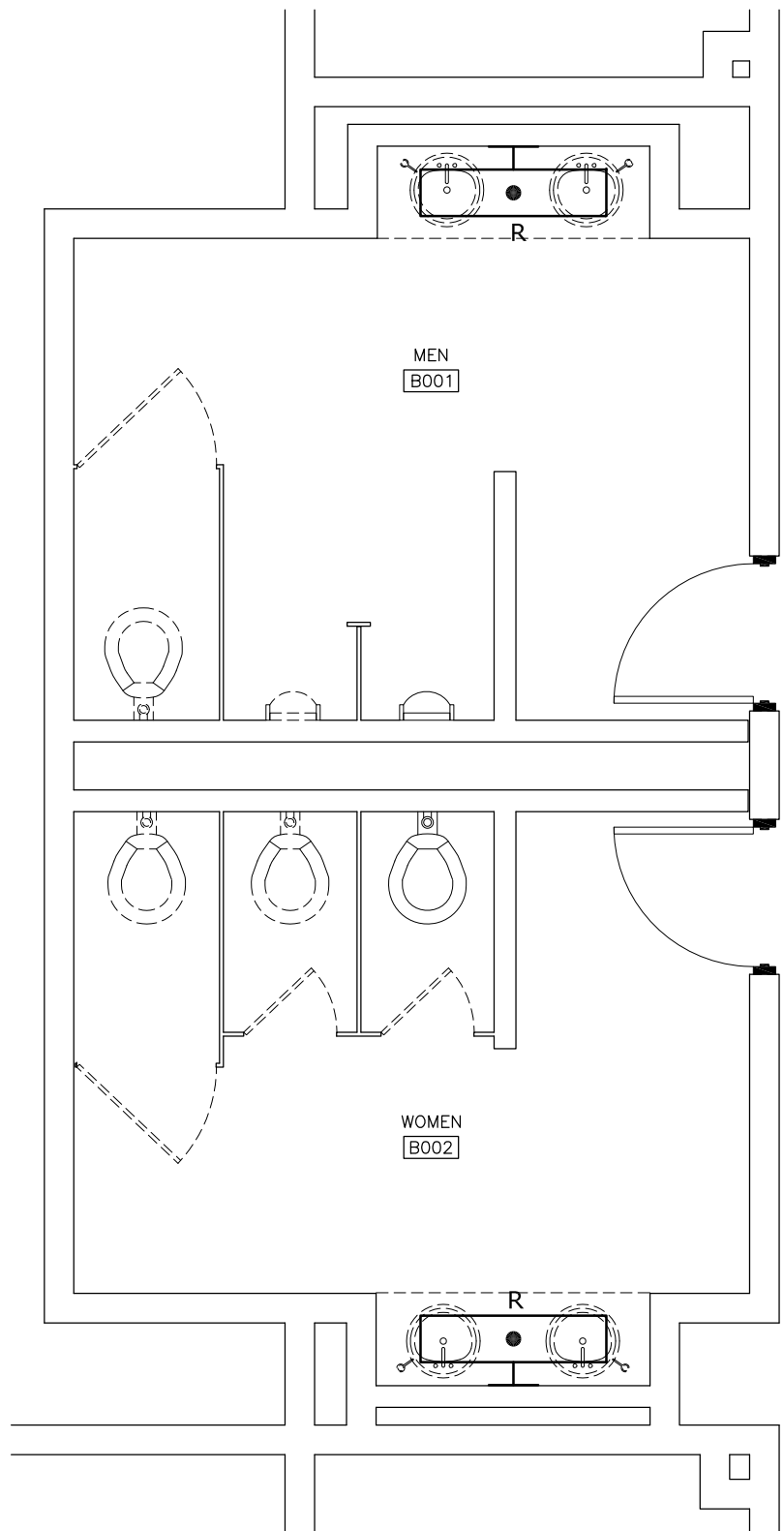
DBA Swygert & Assoc., Ltd. Telephone: (803) 791-9300
Post Office Box 11886 Facsimile: (803) 791-9330
Columbia, S.C. 29211 mail@swygert-associates.com

BID DOCUMENTS - 08/07/15

STUDIO 2LR, INC.
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STUDIO2LR.COM

STUDIO 2LR | ARCHITECTURE + INTERIORS

LIGHTING FIXTURE SCHEDULE								
SYMBOL	TYPE	DESCRIPTION	MANUFACTURER	MODEL NUMBER	OPTICAL ELEMENT	MOUNTING	VOLTS	LAMPS (PHILIPS)
	AF	2'x2' L.E.D. FIXTURE FOR INSTALLATION IN A GYPSUM CEILING (FLANGED OPTION)	WILLIAMS	LPT-22-L30-840-AF12125-DRV	0.125" ACRYLIC LENS	CEILING RECESSED	120/277V UNIVERS.	L.E.D. - 3000 lumens, 4000K
	AG	2'x2' L.E.D. TROFFER FOR INSTALLATION IN A GRID CEILING.	WILLIAMS	LPT-22-L30-840-AF12125-DRV	0.125" ACRYLIC LENS	CEILING GRID RECESSED	120/277V UNIVERS.	L.E.D. - 3000 lumens, 4000K
	AS	2'x2' L.E.D. FIXTURE FOR SURFACE MOUNTING ON A GYPSUM CEILING (MODULAR)	WILLIAMS	12-2-L43-840-AF12125-DRV	0.125" ACRYLIC LENS	CEILING SURFACE	120/277V UNIVERS.	L.E.D. - 3000 lumens, 4000K
	BG	2'x4' L.E.D. TROFFER FOR INSTALLATION IN A GRID CEILING.	WILLIAMS	LPT-24-L42-840-AF12125-DVR	0.125" ACRYLIC LENS	CEILING GRID RECESSED	120/277 UNIVERS.	L.E.D. - 4300 lumens, 4000K
	BS	2'x4' L.E.D. FIXTURE FOR SURFACE MOUNTING ON A GYPSUM CEILING (MODULAR)	WILLIAMS	12-4-L84-840-S-AF12125-DRV	0.125" ACRYLIC LENS	CEILING SURFACE	120/277 UNIVERS.	L.E.D. - 4300 lumens, 4000K
	CS	1'x4' L.E.D. FIXTURE FOR SURFACE MOUNTING ON A GYPSUM CEILING (MODULAR)	WILLIAMS	11-4-L52-840-S-AF12125-DRV	0.125" ACRYLIC LENS	CEILING SURFACE	120/277 UNIVERS.	L.E.D. - 5200 lumens, 4000k
	DS	4' L.E.D. TYPE VANITY WALL FIXTURE WITH UP AND DOWN LIGHT.	WILLIAMS	WMA-4-LED-PH65-840-AF-EPPPH	0.125" ACRYLIC LENS	SURFACE WALL MOUNT	120/277 UNIVERS.	L.E.D. - 6500 lumens, 4000k
	U1	EMERGENCY LIGHTING UNIT, WALL MOUNTED WITH TWO HEADS, SELF DIAGNOSTICS, AND A 90 MINUTE BATTERY BACKUP SYSTEM.	EMERGI-LITE	PRO-3N-LA-AD	MR16 HEADLAMPS (FLOOD)	MOUNT OVER EXISTING BOX.	120/277V UNIVERS.	2 - 6-VOLT, 4-WATT MR16 L.E.D.

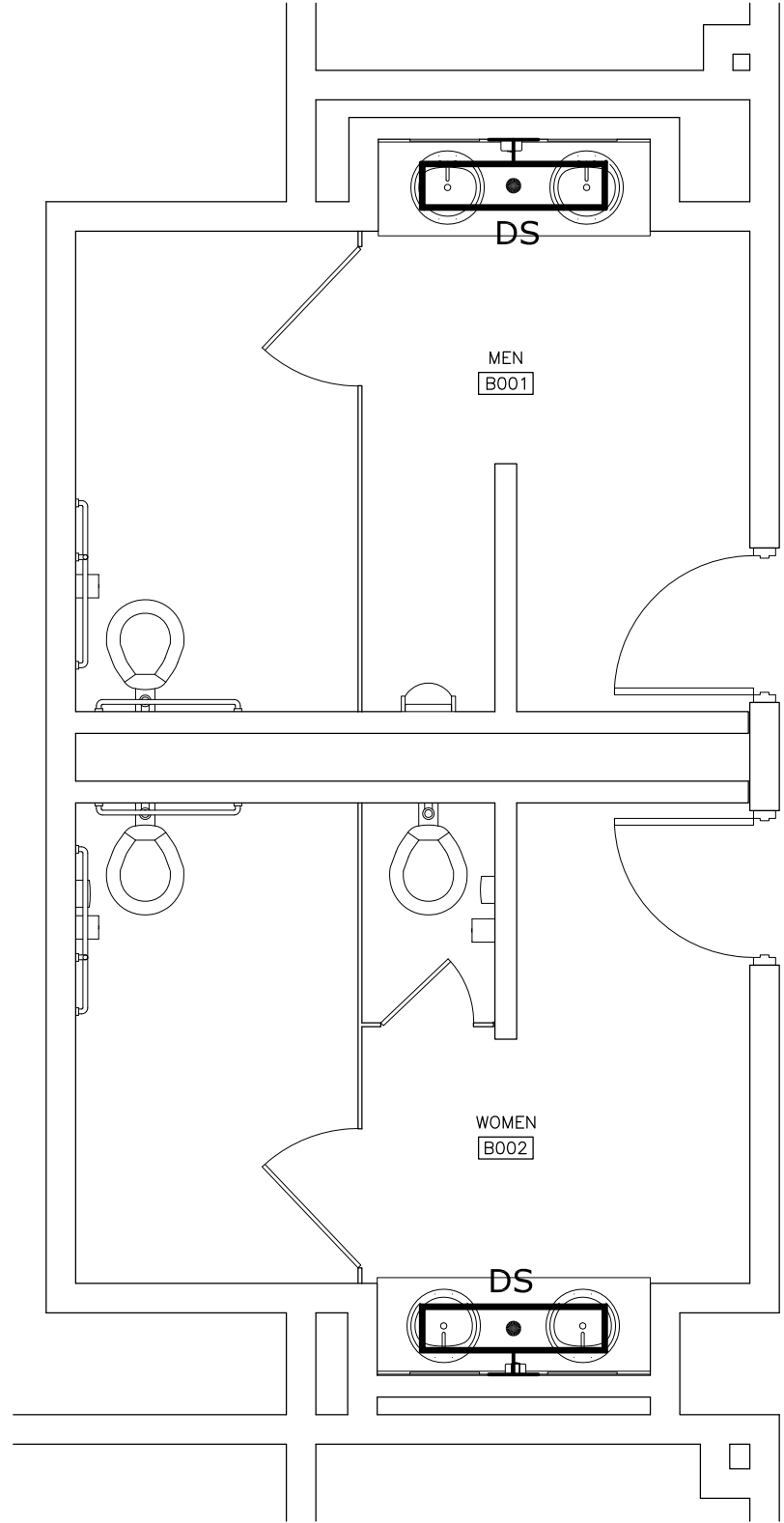


1
E100

BASEMENT TOILET ELECTRICAL DEMOLITION

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

BASE BID



2
E100

BASEMENT TOILET ELECTRICAL RENOVATION










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

BASE BID

GENERAL CONSTRUCTION NOTES

- PROVIDE ALL WORK IN ACCORDANCE WITH THE FOLLOWING CODES AND STANDARDS:
INTERNATIONAL BUILDING CODE 2012 EDITION
NFPA 70 - NATIONAL ELECTRICAL CODE 2011 EDITION
ANSI A117.1 - ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES 2009 EDITION
 - PROVIDE RACEWAY AND WIRING TO ALL DEVICES, FIXTURES, AND EQUIPMENT INDICATED ON THE CONTRACT DRAWINGS. THE DRAWINGS INDICATE PARTIAL RACEWAY AND WIRING REQUIREMENTS TO HELP CLARIFY DESIGN INTENT. WHERE RACEWAY AND/OR WIRING IS NOT INDICATED FOR DEVICES, FIXTURES, OR EQUIPMENT THE ARRANGEMENT, GROUPING, AND ROUTING SHALL BE PROVIDED IN ACCORDANCE WITH THE 2011 EDITION OF THE NATIONAL ELECTRICAL CODE. CONTRACTOR MAY ONLY RE-USE EXISTING RACEWAYS AND WIRING WHERE THEIR CURRENT INSTALLATION METHODS COMPLY WITH THE 2011 EDITION OF THE NATIONAL ELECTRICAL CODE (CONTRACTOR MAY CORRECT DEFICIENT INSTALLATION METHODS IF PRACTICAL IN LIEU OF PROVIDING NEW RACEWAYS AND WIRING).
 - ALL CONDUIT PENETRATIONS THROUGH WALLS AND CEILINGS SHALL BE 2-HOUR FIRESTOPPED - HILTI OR EQUAL.
 - RACEWAYS SHALL BE 3/4" EMT WITH COMPRESSION TYPE FITTINGS UNLESS NOTED OR DETAILED OTHERWISE. PROVIDE FIXTURE WHIPS THAT COMPLY WITH THE NATIONAL ELECTRICAL CODE.
 - JUNCTION BOXES SHALL BE STEEL TYPE WITH SCREW COVER, SIZED AND SUPPORTED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE. PROVIDE JUNCTION BOXES AS REQUIRED FOR POWER AND CONTROL WIRING RENOVATIONS.
 - INSTALL ELECTRICAL SYSTEMS WITHOUT INTERFERING WITH DUCTS, PIPES, STRUCTURAL MEMBERS, OR OTHER SYSTEMS.
 - PROVIDE SEISMIC WIRE SUPPORTS FOR ALL NEW LIGHTING FIXTURES. FIXTURES SHALL BE SUPPORTED WITH TWO WIRES. PROVIDE U.L. LISTED FIXTURE GRID CLIPS AT OR NEAR EACH FIXTURE CORNER.
 - THOROUGHLY CLEAN ALL EQUIPMENT AND SYSTEMS BEFORE PLACING IN OPERATION. RESTORE FINISHED SURFACES IF DAMAGED AND DELIVER THE ENTIRE INSTALLATION IN AN APPROVED CONDITION. THE CONTRACTOR SHALL INSTRUCT THE OWNER'S PERSONNEL IN THE PROPER OPERATION AND MAINTENANCE OF ALL SYSTEMS. FURNISH 3 SETS OF OPERATION AND MAINTENANCE MANUALS TO THE OWNER FOR EACH SYSTEM.
 - THE CONTRACTOR SHALL GUARANTEE THE WORK INSTALLED UNDER THIS CONTRACT FOR A PERIOD OF ONE YEAR AFTER DATE OF FINAL ACCEPTANCE. DEFECTS WHICH APPEAR AS A RESULT OF NORMAL USAGE SHALL BE REMEDIED BY THE CONTRACTOR TO THE COMPLETE SATISFACTION OF THE OWNER WITHOUT COST TO THE OWNER.
 - CUTTING, DRILLING, AND PATCHING: PROVIDE CHASES, SLOTS, AND OPENINGS IN EXISTING BUILDING COMPONENTS TO ALLOW FOR ELECTRICAL INSTALLATIONS. PERFORM CUTTING, DRILLING, FITTING, AND PATCHING REQUIRED TO:
 - INSTALL EQUIPMENT, MATERIALS, AND RACEWAYS IN EXISTING STRUCTURES.
 - REMOVE AND REPLACE DEFECTIVE WORK THAT DOES NOT CONFORM TO REQUIREMENTS OF THE CONTRACT DOCUMENTS.
 - UPON WRITTEN INSTRUCTIONS FROM THE ARCHITECT/ENGINEER, UNCOVER AND RESTORE WORK TO PROVIDE FOR ARCHITECT/ENGINEER OBSERVATION OF CONCEALED WORK.
- PROTECT EXISTING STRUCTURES, FURNISHINGS, FINISHES, MECHANICAL SYSTEMS, AND ELECTRICAL SYSTEMS WHILE PERFORMING CUTTING, DRILLING, FITTING, AND PATCHING.
- PATCH EXISTING SURFACES AND BUILDING COMPONENTS USING NEW MATERIALS THAT MATCH EXISTING MATERIALS. PATCHING SHALL BE PERFORMED BY EXPERIENCED INSTALLERS.

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	LIGHTING FIXTURE; TYPE AND CIRCUIT NUMBER AS INDICATED. SEE THE LIGHTING FIXTURE SCHEDULE FOR ADDITIONAL SYMBOLS AND TYPES.
	SINGLE-POLE TOGGLE SWITCH RATED 277 VOLTS, 20 AMPS. FLUSH MOUNT SWITCH ON WALL AT 42 INCHES AFF UNLESS NOTED OTHERWISE; MOUNT IN EXISTING BACKBOX WHERE APPLICABLE. PROVIDE A BRUSHED ALUMINUM WALLPLATE FOR SWITCH.
	DUPLEX, GROUND-FAULT-INTERRUPT TYPE RECEPTACLE, NEMA 5-20R. FLUSH MOUNT DEVICE IN WALL AT 18" AFF UNLESS NOTED OTHERWISE; MOUNT IN EXISTING BACKBOX WHERE APPLICABLE.
	EXISTING ONE-SECTION PANELBOARD, SURFACE MOUNTED - TO REMAIN IN PLACE.
	EXISTING 2'x2' FLUORESCENT LIGHTING FIXTURE - REMOVE.
	EXISTING 2'x4' FLUORESCENT LIGHTING FIXTURE - REMOVE.
	EXISTING 4' VANITY FLUORESCENT WALL FIXTURE - REMOVE.
	EXISTING WALL MOUNTED EMERGENCY LIGHTING UNIT - REMOVE.
	EXISTING SINGLE-POLE LIGHT SWITCH - REMOVE SWITCH; BACKBOX TO REMAIN IN PLACE UNLESS NOTED OTHERWISE ON PLAN.

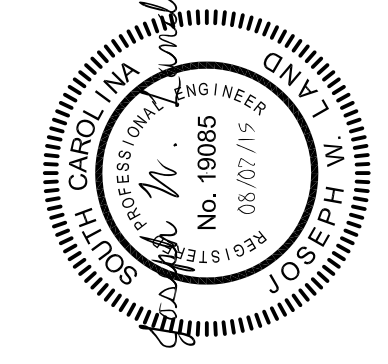
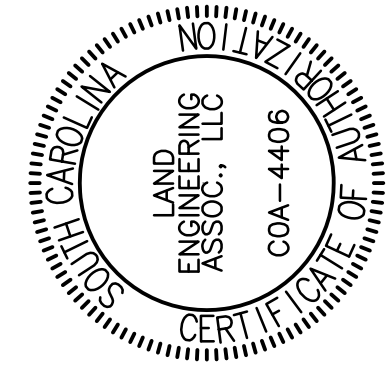
GENERAL DEMOLITION NOTES

- REMOVE AND LEGALLY DISPOSE OF ALL EXISTING LIGHTING FIXTURES, EMERGENCY LIGHTING UNITS, AND ASSOCIATED BALLSTS AND LAMPS.
- THE CONTRACTOR SHALL VISIT THE SITE/BUILDING TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID AND SHALL INCLUDE ALL WORK REQUIRED FOR COMPLETE DEMOLITION IN HIS BID - SEE GENERAL CONSTRUCTION NOTE 2 ON THIS DRAWING.

ELECTRICAL DRAWING INDEX

E100	GENERAL NOTES, LEGEND, SCHEDULES, AND PLANS
E101	FIRST FLOOR ELECTRICAL PLANS
E102	SECOND FLOOR ELECTRICAL PLANS
E103	THIRD FLOOR ELECTRICAL PLANS

BID DOCUMENTS - 08/07/15



CLIENT NAME
USC SCHOOL OF MEDICINE

PROJECT NAME

15 MED PARK BATHROOM RENOVATION

LOCATION
3555 HARDIN STREET EXT. COLUMBIA, SC 29201

REVISIONS

NO.	DATE	DESCRIPTION
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STATE PROJECT NUMBER: H27-61060

PROJECT NUMBER **15012**

SHEET NUMBER

E100

SHEET NAME
GENERAL NOTES, LEGEND & SCHEDULES

DATE **08/07/2015**



LAND
ENGINEERING
ASSOCIATES, LLC

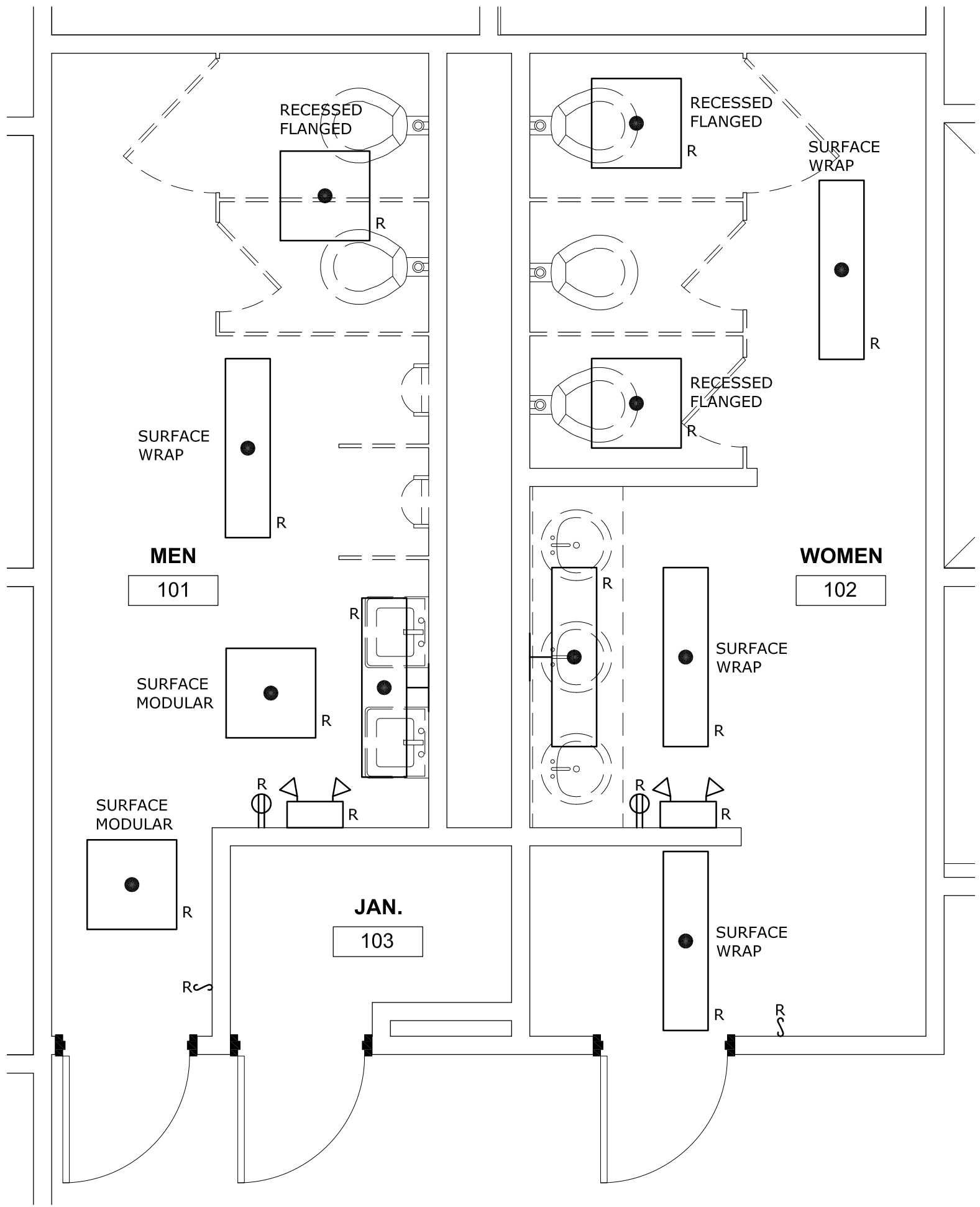
SLR-2015-01

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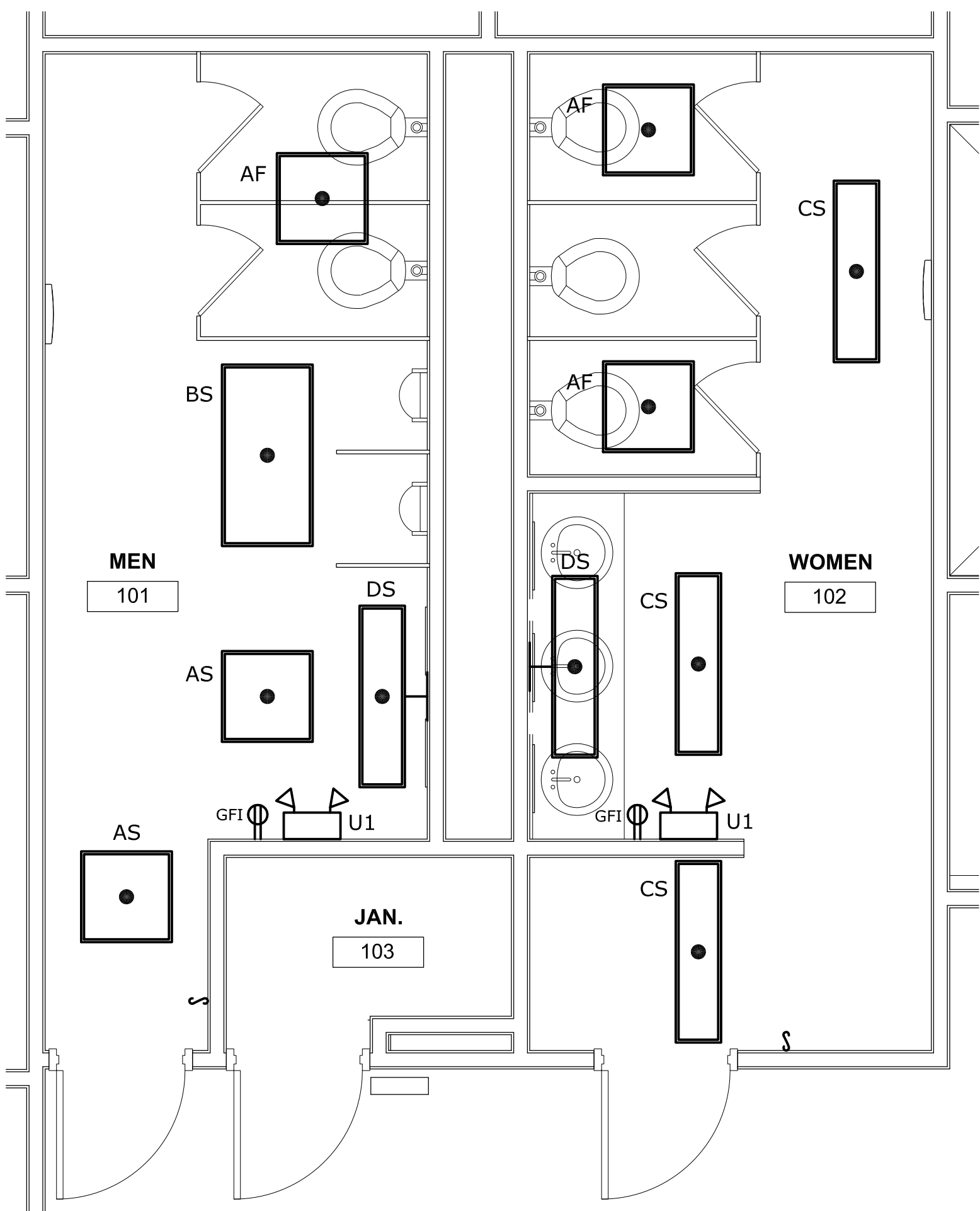
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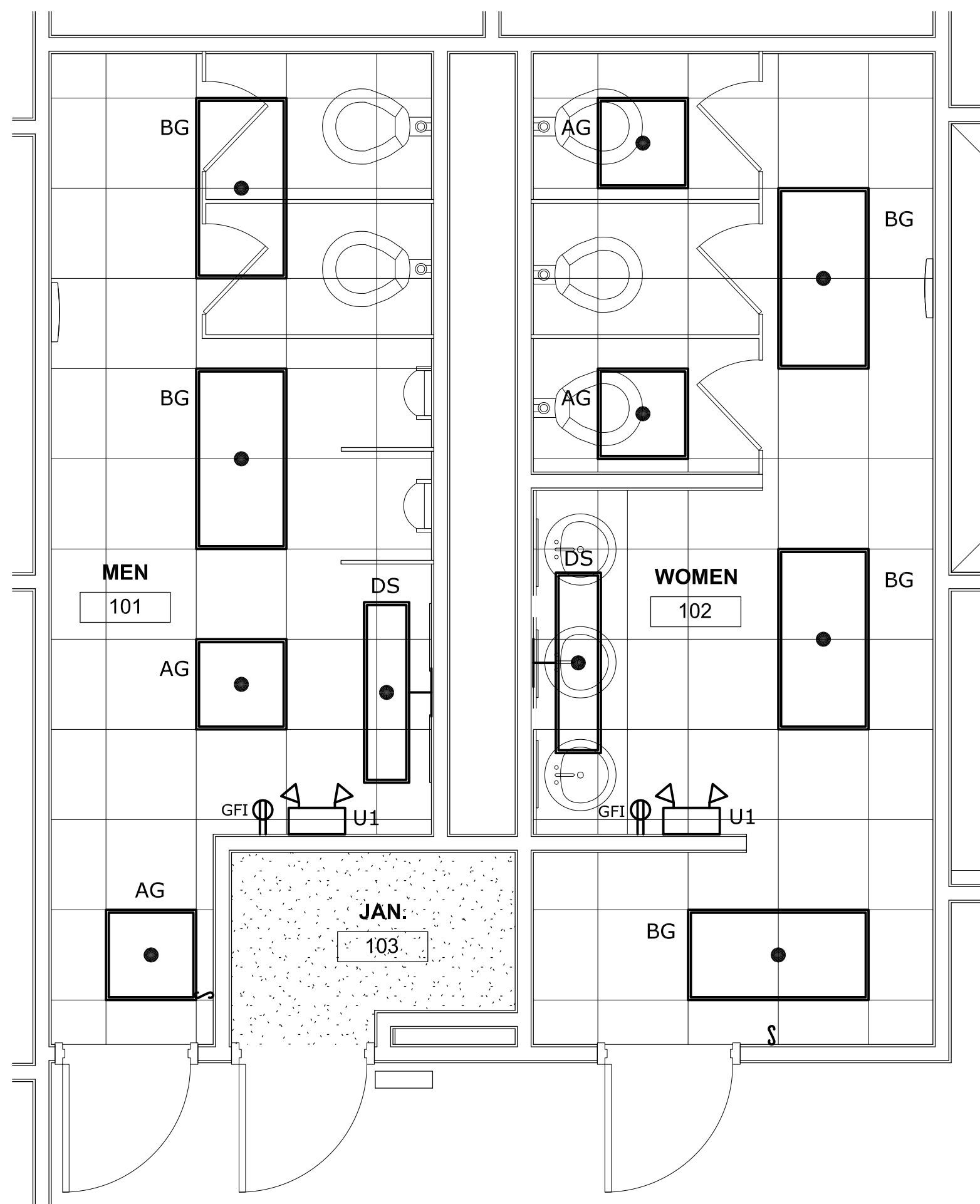
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1 1st FLOOR TOILET ELECTRICAL DEMOLITION
SCALE: 3/8" = 1'-0"
BASE BID



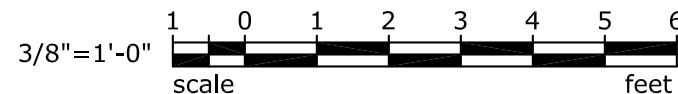
2 1st FLOOR TOILET ELECTRICAL RENOVATION
SCALE: 3/8" = 1'-0"
BASE BID



3 1st FLOOR TOILET ELECTRICAL RENOVATION
SCALE: 3/8" = 1'-0"
ADD ALTERNATE 1

LIGHTING NOTES

- ALL LIGHTING CIRCUITS SHALL BE TWO #12 AWG THHN WITH ONE #12 AWG GREEN INSULATED GROUND WIRE IN 3/4" EMT RACEWAY UNLESS NOTED OTHERWISE.
- VERIFY BY TURNING OFF CIRCUIT BREAKER THAT SERVES LIGHTING FIXTURES IN RESTROOMS THAT THE EMERGENCY LIGHTING UNIT IN EACH RESTROOM WILL BE PROPERLY ACTIVATED. NOTIFY ARCHITECT/ENGINEER IF OTHERWISE.



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SLR-2015-01

BID DOCUMENTS - 08/07/15

CLIENT NAME
USC SCHOOL OF MEDICINE
PROJECT NAME
15 MED PARK BATHROOM RENOVATION
LOCATION
3555 HARDIN STREET EXT, COLUMBIA, SC
29201

REVISIONS
NO. DATE DESCRIPTION

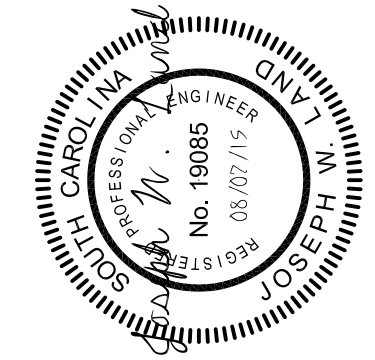
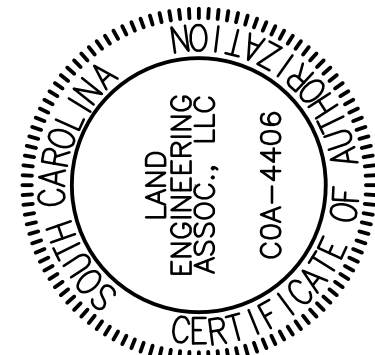
STATE PROJECT NUMBER: H27-61060

PROJECT NUMBER **15012**

SHEET NUMBER
E101

SHEET NAME
FIRST FLOOR ELECTRICAL PLANS

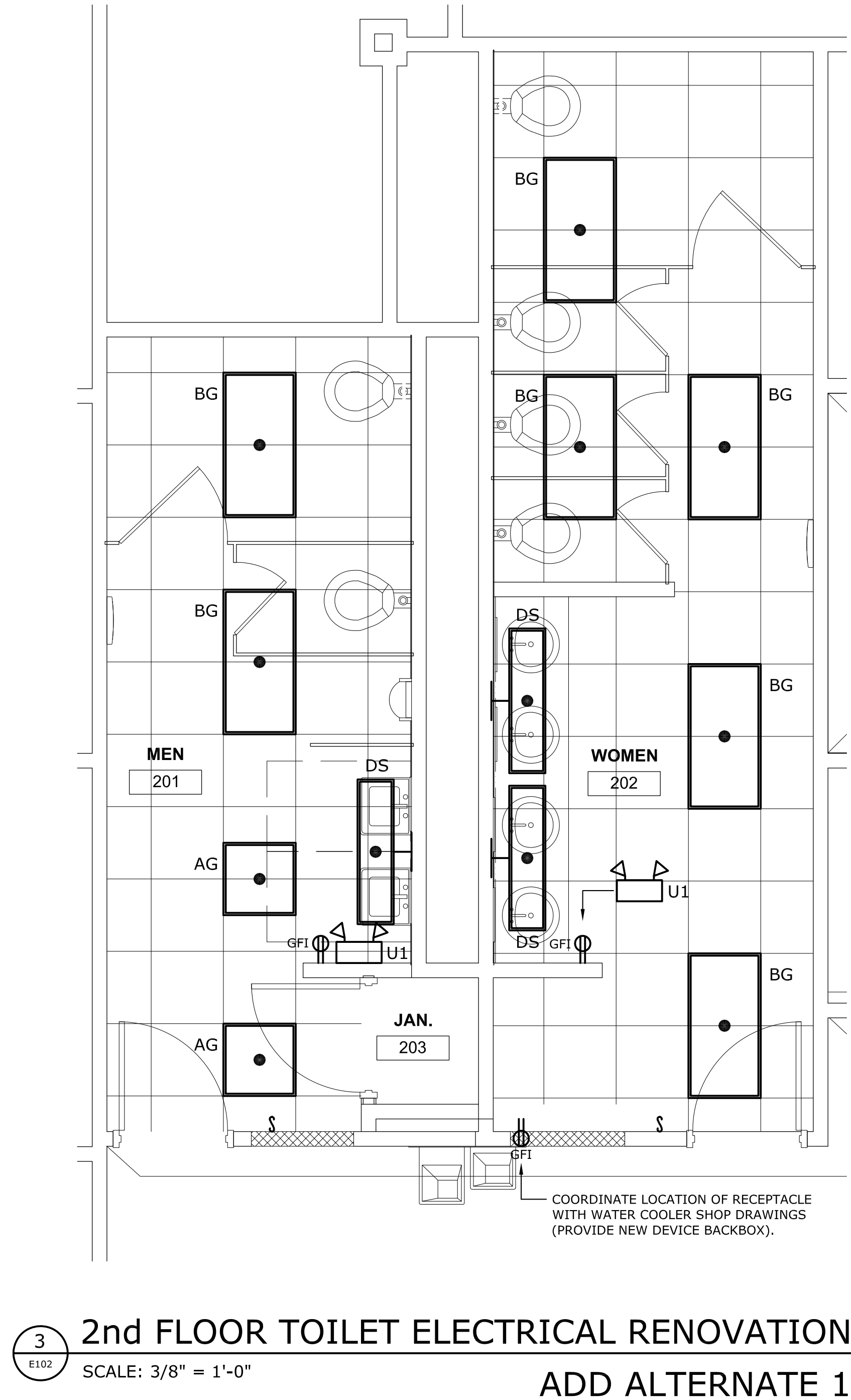
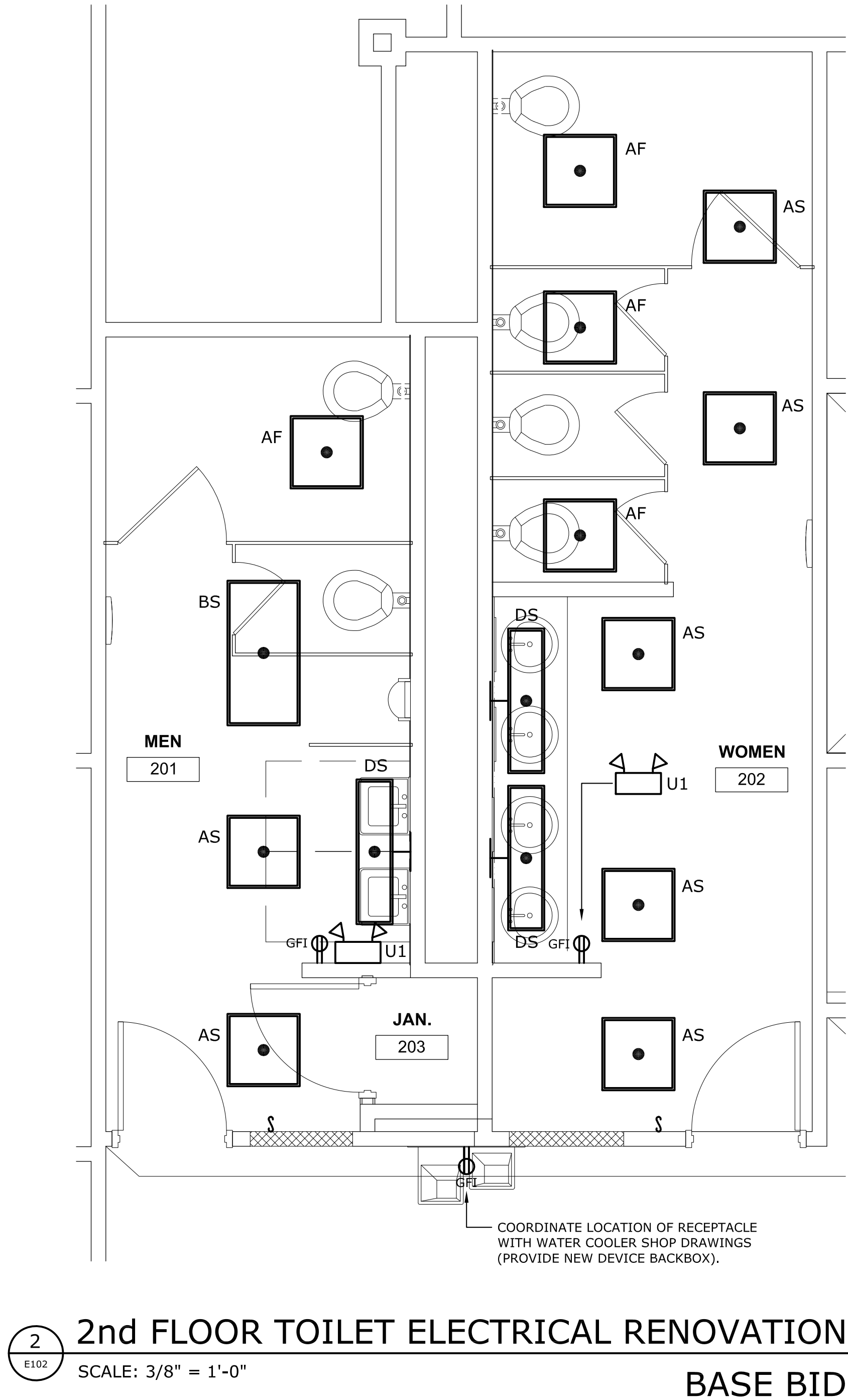
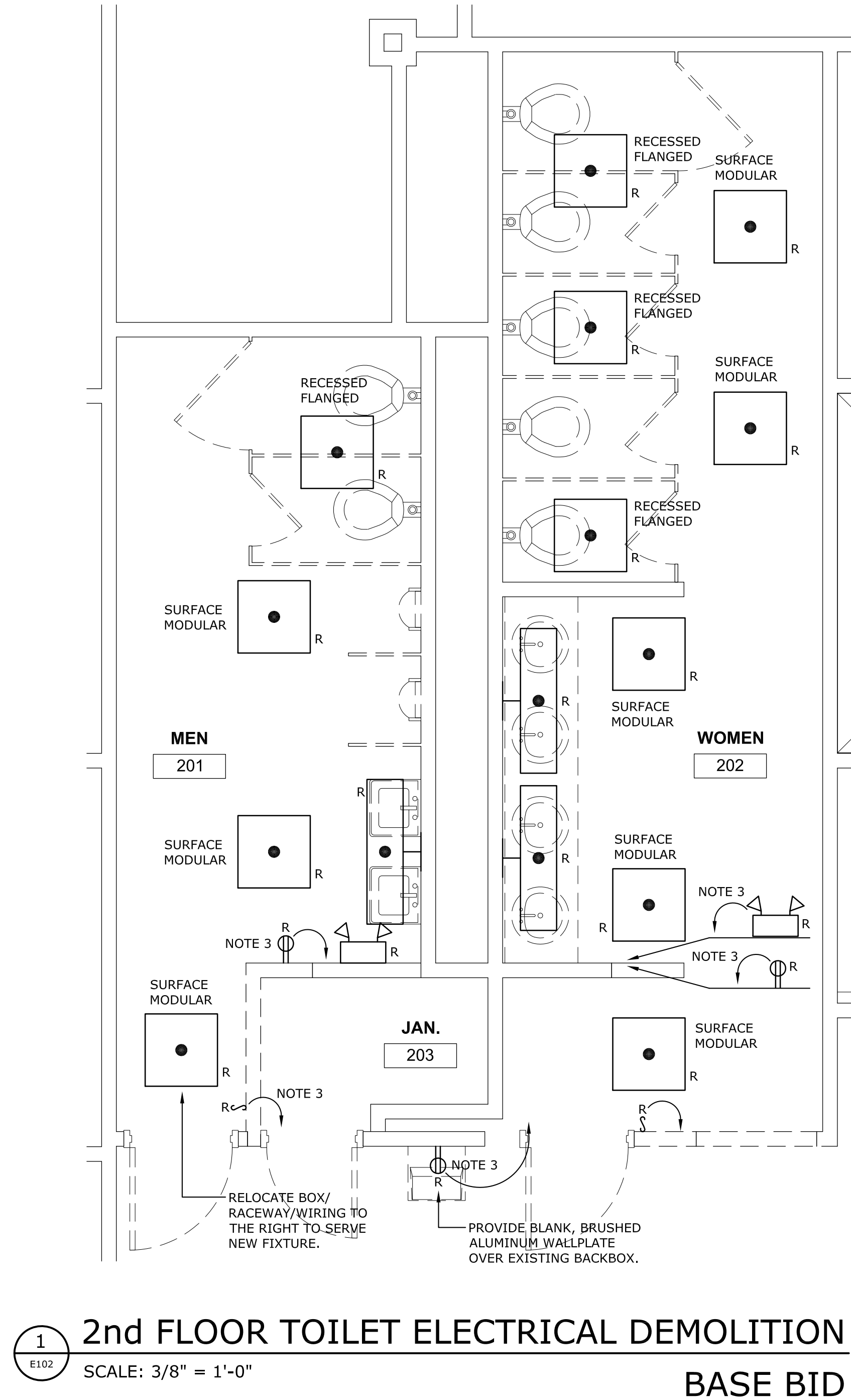
DATE **08/07/2015**



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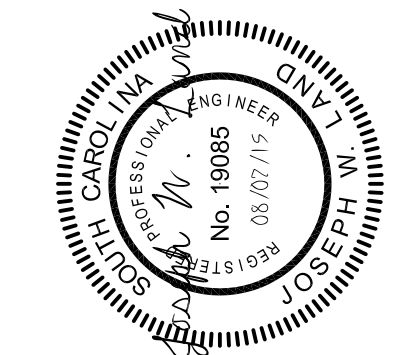
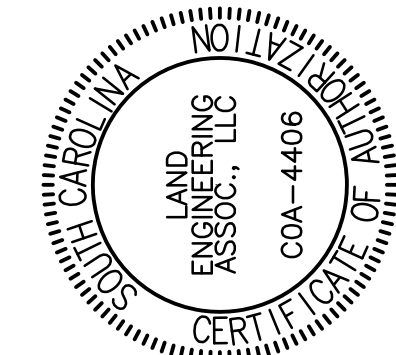
LIGHTING NOTES

1. ALL LIGHTING CIRCUITS SHALL BE TWO #12 AWG THHN WITH ONE #12 AWG GREEN INSULATED GROUND WIRE IN 3/4" EMT RACEWAY UNLESS NOTED OTHERWISE.
2. VERIFY BY TURNING OFF CIRCUIT BREAKER THAT SERVES LIGHTING FIXTURES IN RESTROOMS THAT THE EMERGENCY LIGHTING UNIT IN EACH RESTROOM WILL BE PROPERLY ACTIVATED. NOTIFY ARCHITECT/ENGINEER IF OTHERWISE.
3. LIGHT SWITCHES, RECEPTACLES, AND EMERGENCY LIGHTING UNITS REFERENCED TO THIS NOTE SHALL BE RELOCATED TO ACCOMMODATE WALL RENOVATIONS. RELOCATE AND/OR EXTEND EXISTING RACEWAYS AND WIRING AS REQUIRED TO SERVE DEVICES AND EMERGENCY LIGHTING UNITS AT NEW LOCATIONS.

BID DOCUMENTS - 08/07/15

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CLIENT NAME
USC SCHOOL OF MEDICINE
PROJECT NAME
15 MED PARK BATHROOM RENOVATION
LOCATION
3555 HARDIN STREET EXT. COLUMBIA, SC 29201

REVISIONS		
NO.	DATE	DESCRIPTION

STATE PROJECT NUMBER: H27-61060

PROJECT NUMBER **15012**

SHEET NUMBER
E102

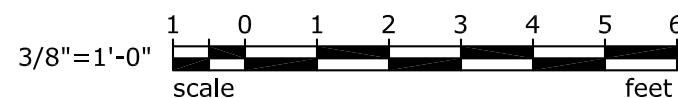
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SECOND FLOOR ELECTRICAL PLANS

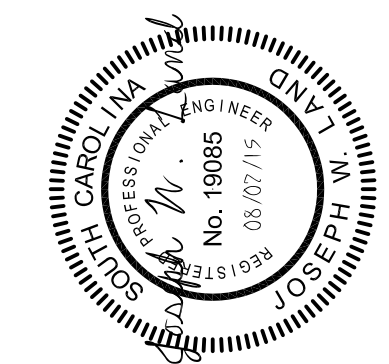
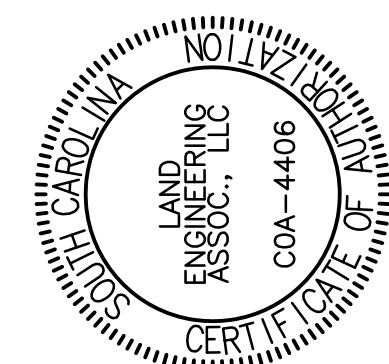
DATE **08/07/2015**



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CLIENT NAME
USC SCHOOL OF MEDICINE

PROJECT NAME

15 MED PARK BATHROOM RENOVATION

LOCATION
3555 HARDIN STREET EXT, COLUMBIA, SC
29201

REVISIONS

NO.	DATE	DESCRIPTION
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STATE PROJECT NUMBER: H27-61060

PROJECT NUMBER	15012
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SHEET NUMBER

E103

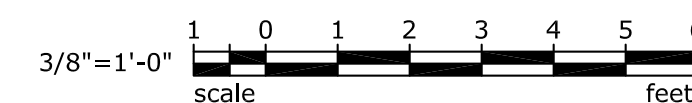
SHEET NAME
**THIRD FLOOR
ELECTRICAL PLANS**

DATE **08/07/2015**

LEA LAND
ENGINEERING
ASSOCIATES, LLC

SLR-2015-0

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1
E103

3rd FLOOR TOILET ELECTRICAL DEMOLITION

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

BASE BID

2 3rd FLOOR TOILET ELECTRICAL RENOVATION
E103 SCALE: 3/8" = 1'-0" BASE BID

3
E103

3rd FLOOR TOILET ELECTRICAL RENOVATION

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

ADD ALTERNATE 1

BID DOCUMENTS - 08/07/15