## FIRST FLOOR RESTROOM RENOVATIONS FOR UofSC AIKEN

## ART, HUMANITIES AND SOCIAL SCIENCES BUILDING

PROJECT # H29-I364 50003418

#### **BUILDING CODE SUMMARY**

CODE ENFORCEMENT JURISDICTION: OFFICE OF THE STATE ENGINEER

NOTE TO AUTHORITY HAVING JURISDICTION - THIS IS AN INTERIOR RENOVATION OF 4 GANG TOILETS, FINISHES AND FIXTURES.

#### PROJECT INFORMATION

INTERIOR RENOVATIONS FOR ARTS, HUMANITIES, SOCIAL SCIENCES BUILDING NAME OF PROJECT: AIKEN, SOUTH CAROLINA ADDRESS: EXISTING EDUCATION BUILDING PROPOSED USE: OWNER OR AUTHORIZED AGENT: UNIVERSITY OF SOUTH CAROLINA AIKEN

#### PROJECT DESIGN TEAM

DESIGNER	FIRM	CONTACT	PHONE #
ARCHITECTURAL:	STUDIO 2LR, INC.		(803) 233-6602
CIVIL:	<u></u>	<u></u>	()
STRUCTURAL:	<u></u>	<u></u>	()
PLUMBING:	SWYGERT AND ASSOCIATES. LTD.	TODD SWYGERT	(803) 791-9300
FIRE PROTECTION:	<u></u>	<u></u>	()
MECHANICAL:	SWYGERT AND ASSOCIATES, LTD.	BILL LIVINGSTON	(803) 791-9300
SPRINKLER-STANDPIPE:	<u></u>	<u></u>	()
ELECTRICAL:	GWA ENGINEERING	DICKSON O'BRIEN	(803) 252-6919
OTLIED.			/ \

#### CODE COMPLIANCE

INTERNATIONAL BUILDING CODE: INTERNATIONAL PLUMBING CODE: INTERNATIONAL MECHANICAL CODE: INTERNATIONAL FIRE CODE: 2018 EDITION WITH SC MODIFICATIONS 2017 EDITION INTERNATIONAL ENERGY CONSERVATION CODE \_\_2009 EDITION ADA STANDARDS FOR ACCESSIBLE DESIGN

#### **BUILDING DATA**

CONSTRUCTION TYPE (TABLE 503): SPRINKLERS: STANDPIPES: FIRE DISTRICT: BUILDING HEIGHT: HIGH RISE: **GROSS BUILDING AREA:** 1ST FLOOR

EXIST. 40 FEET EXISTING (SQ. FT.) 18,430

#### **EXIT REQUIREMENTS**

2ND FLOOR

NUMBER AND ARRANGEMENTS OF EXITS **EXISTING EXITS TO REMAIN** 

#### **EXISTING EXIT WIDTH TO REMAIN**

**EXISTING CORRIDORS ARE 1 HOUR FIRE RATED WITH** 20 MINUTE RATED DOORS.

#### PLUMBING FIXTURE REQUIREMENTS

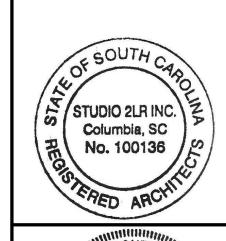
**EXISTING PLUMBING FIXTURE COUNTS TO REMAIN.** REPLACEMENT OF EXISTING FIXTURES AND FINISHES.

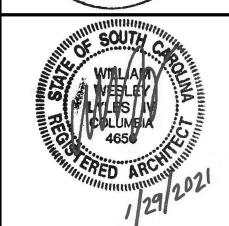
#### **ABBREVIATIONS**

#	POUND OR NUMBER	GA.	GAUGE
&	AND	GALV.	GALVANIZED
@	AT	GYP.	GYPSUM
A.C.T.	ACOUSTICAL CEILING TILE	GYP. BRD.	GYPSUM WALLBOARD
A.F.F	ABOVE FINISHED FLOOR	H.	HIGH
ALUM.	ALUMINUM	H.M.	HOLLOW METAL
ANOD.	ANODIZED	HVAC	HEATING, VENTILATION, AND AIR CONDITION
APPROX.	APPROXIMATE	INSUL.	INSULATION
B.O.	BOTTOM OF	MAX.	MAXIMUM
C.I.P.	CAST IN PLACE	M.O.	MASONRY OPENING
C.J.	CONTROL JOINT	MECH.	MECHANICAL
CLG.	CEILING	MIN.	MINIMUM
CLR.	CLEAR	MTL.	METAL
CMU	CONCRETE MASONRY UNIT	N.I.C.	NOT IN CONTRACT
COL.	COLUMN	NO.	NUMBER
CONC.	CONCRETE	NOM.	NOMINAL
CONT.	CONTINUOUS	O.C.	ON CENTER
CPT.	CARPET	O.H.	OVERHEAD
C.T.	CERAMIC TILE	O.P.C.I.	OWNER PROVIDED CONTRATOR INSTALLED
DEMO	DEMOLISH	OPP. HAND	OPPOSITE HAND
DIA.	DIAMETER	PLYWD.	PLYWOOD
DIM.	DIMENSION	P.T.	PRESSURE TREATED
DIMS.	DIMENSIONS	PVC	POLYVINYL CHLORIDE
DIVIG. 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	SIVI. SS	STAINLESS STEEL
EPDM	ETHYLENE PROPYLENE DIENE M-CLASS (ROOFING)	STL.	STEEL
EPDIVI EQ.	EQUAL	STRUCT.	STRUCTURAL
EXIST.	EXISTING	T	TEMPERED
EXP. JT.	EXPANSION JOINT	T&G	TONGUE AND GROOVE
EXP. JT. EXT.	EXTERIOR	TELE.	TELEPHONE
E.W.C.	ELECTRIC WATER COOLER	TLT.	TOILET
F.D.		T.O.	TOP OF
	FLOOR DRAIN	T.O. T.O.S.	
F.E. F.E.C.	FIRE EXTINGUISHER	1.0.5. TYP.	TOP OF STEEL TYPICAL
	FIRE EXTINGUISHER CABINET		
FLR.	FLOOR	U.O.N.	UNLESS OTHERWISE NOTED
F.O.	FACE OF	V.I.F.	VERIFY IN FIELD
		W.	WIDTH WITH
		WW	VVI I H









## **DRAWING CONVENTIONS**

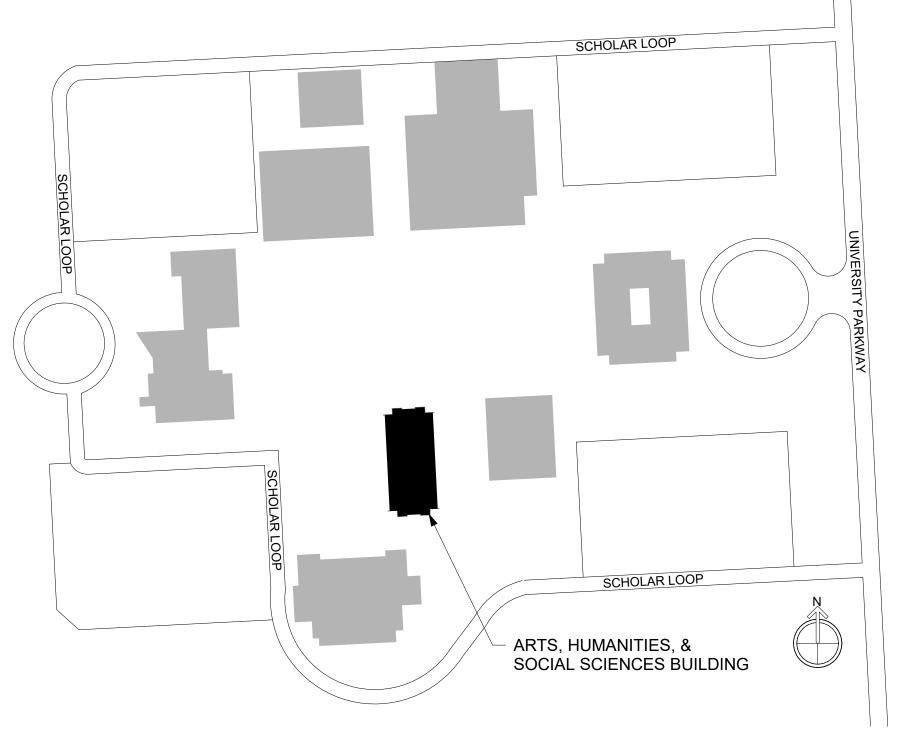
NUMBER OF STORIES

UNLIMITED PER \_

SHEET NO.	SHEET NAME	CURRENT REVISION	CURRENT REVISION DATE
0112211101	OHEET TO UNE	112010101	
GENERAL			
CVR	COVER SHEET		
ARCHITECTURAL D	EMOLITION		
AD101	DEMOLITION PLANS		
AD102	ENLARGED DEMOLITION PLANS		
ARCHITECTURE			
A101	FLOOR PLAN		
A110	REFLECTED CEILING PLAN		
A401	ENLARGED PLANS RMS 104 and 105		
A402	ENLARGED PLANS RMS 115 and 118, DOOR SCHED		
A700	FINISH SPECS, FINISH SCHEDULE, FINISH PLANS		
PLUMBING			
P101	RENOVATION PLANS - WASTE & VENT PIPING		
P201	RENOVATION PLANS - SUPPLY PIPING		
P301	DETAILS, NOTES, SCHEDULE, & LEGEND		
MECHANICAL DEMO	DLITION		
MEDITANIOAL DEM			
MD101	DEMOLITION PLANS		
MD101	DEMOLITION PLANS		
	DEMOLITION PLANS  RENOVATION PLANS		
MD101 MECHANICAL			
MD101  MECHANICAL  M101  M201	RENOVATION PLANS DETAILS, NOTES, SCHEDULES, & LEGEND		
MD101  MECHANICAL  M101	RENOVATION PLANS DETAILS, NOTES, SCHEDULES, & LEGEND		
MD101  MECHANICAL  M101  M201  ELECTRICAL DEMO ED01	RENOVATION PLANS DETAILS, NOTES, SCHEDULES, & LEGEND LITION		
MD101  MECHANICAL  M101  M201  ELECTRICAL DEMO  ED01  ELECTRICAL	RENOVATION PLANS DETAILS, NOTES, SCHEDULES, & LEGEND  LITION ELECTRICAL DEMOLITION PLANS		
MD101  MECHANICAL  M101  M201  ELECTRICAL DEMO	RENOVATION PLANS DETAILS, NOTES, SCHEDULES, & LEGEND LITION		

**DRAWING LIST** 

Note to Permitting Authority: Studio 2LR, Inc. and their consultants are not under contract with the Owner to provide construction administration services for this



**IDENTITY SYMBOLS LINE SYMBOLS** VIEW INDICATOR NORTH ARROW WALL SECTION LEVEL NAME \_\_\_\_\_ELEVATION ELEVATION INDICATOR **ELEVATION** REVISION CLOUD INTERIOR ELEVATION **EXTERIOR ELEVATION COLUMN GRID** DIMENSION CONVENTIONS **BLOWUP DETAIL** 

---- DEMOLISHED ————— HIDDEN ----- OVERHEAD PROPERTY LINE MATCH LINE 2 HOUR RATING • • 3 HOUR RATING • • 4 HOUR RATING

**REVISIONS** NO. DATE DESCRIPTION

PROJECT NUMBER 20084

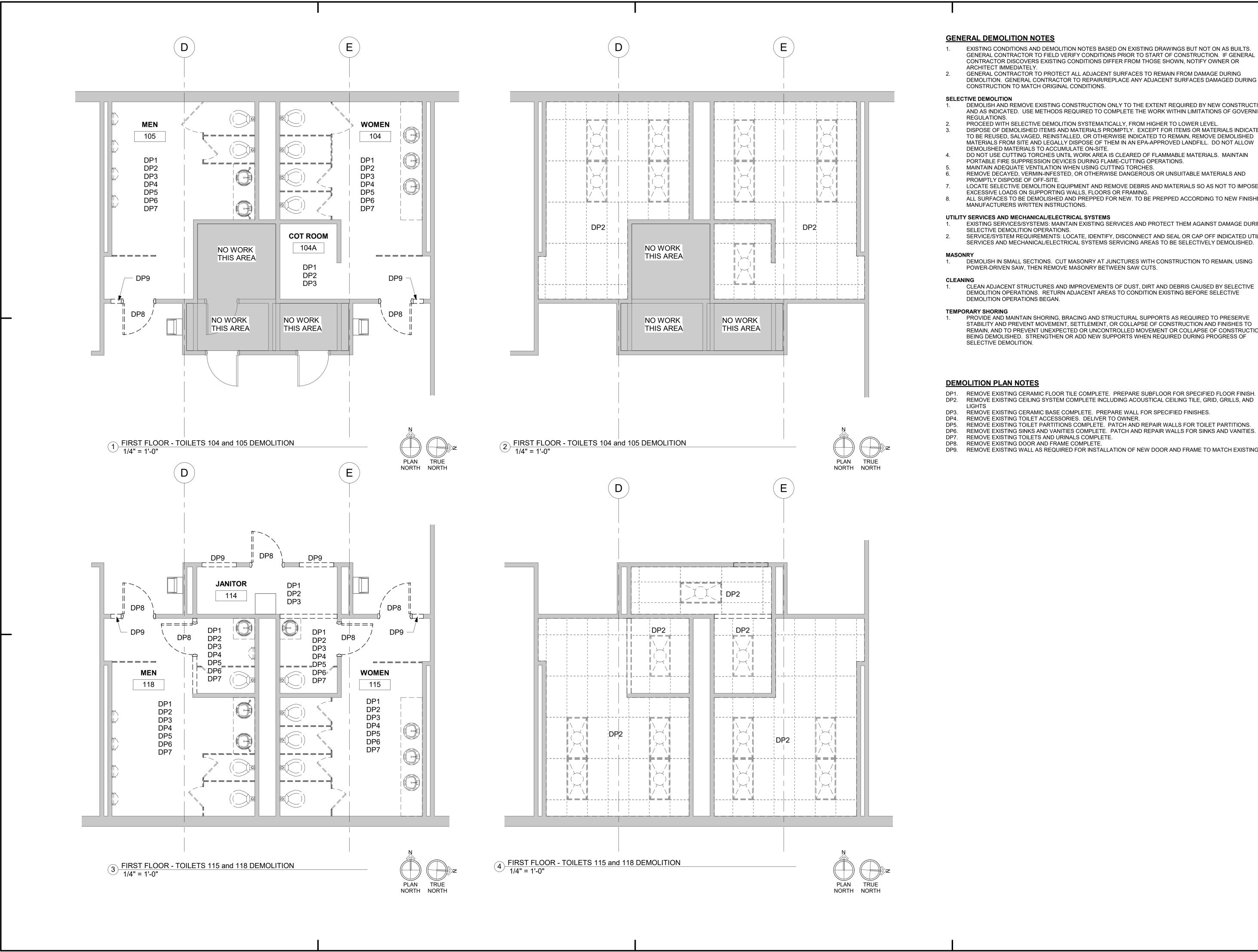
SHEET NAME **COVER SHEET** 

DATE **01/29/2021** 

2 CAMPUS PLAN 1" = 200'-0"

SLOPE CONVENTION





- 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
- GENERAL CONTRACTOR TO PROTECT ALL ADJACENT SURFACES TO REMAIN FROM DAMAGE DURING DEMOLITION. GENERAL CONTRACTOR TO REPAIR/REPLACE ANY ADJACENT SURFACES DAMAGED DURING
- 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
  - PROCEED WITH SELECTIVE DEMOLITION SYSTEMATICALLY, FROM HIGHER TO LOWER LEVEL.
- 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
- DO NOT USE CUTTING TORCHES UNTIL WORK AREA IS CLEARED OF FLAMMABLE MATERIALS. MAINTAIN
- REMOVE DECAYED, VERMIN-INFESTED, OR OTHERWISE DANGEROUS OR UNSUITABLE MATERIALS AND
- LOCATE SELECTIVE DEMOLITION EQUIPMENT AND REMOVE DEBRIS AND MATERIALS SO AS NOT TO IMPOSE
- ALL SURFACES TO BE DEMOLISHED AND PREPPED FOR NEW. TO BE PREPPED ACCORDING TO NEW FINISHES
- EXISTING SERVICES/SYSTEMS: MAINTAIN EXISTING SERVICES AND PROTECT THEM AGAINST DAMAGE DURING
- SERVICE/SYSTEM REQUIREMENTS: LOCATE, IDENTIFY, DISCONNECT AND SEAL OR CAP OFF INDICATED UTILITY SERVICES AND MECHANICAL/ELECTRICAL SYSTEMS SERVICING AREAS TO BE SELECTIVELY DEMOLISHED.

DEMOLISH IN SMALL SECTIONS. CUT MASONRY AT JUNCTURES WITH CONSTRUCTION TO REMAIN, USING

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

- DP1. REMOVE EXISTING CERAMIC FLOOR TILE COMPLETE. PREPARE SUBFLOOR FOR SPECIFIED FLOOR FINISH. DP2. REMOVE EXISTING CEILING SYSTEM COMPLETE INCLUDING ACOUSTICAL CEILING TILE, GRID, GRILLS, AND

- REMOVE EXISTING TOILET PARTITIONS COMPLETE. PATCH AND REPAIR WALLS FOR TOILET PARTITIONS.
- DP9. REMOVE EXISTING WALL AS REQUIRED FOR INSTALLATION OF NEW DOOR AND FRAME TO MATCH EXISTING.





AHSS BLD RESTROOI PROJECT

**REVISIONS** NO. DATE DESCRIPTION

PROJECT NUMBER 20084

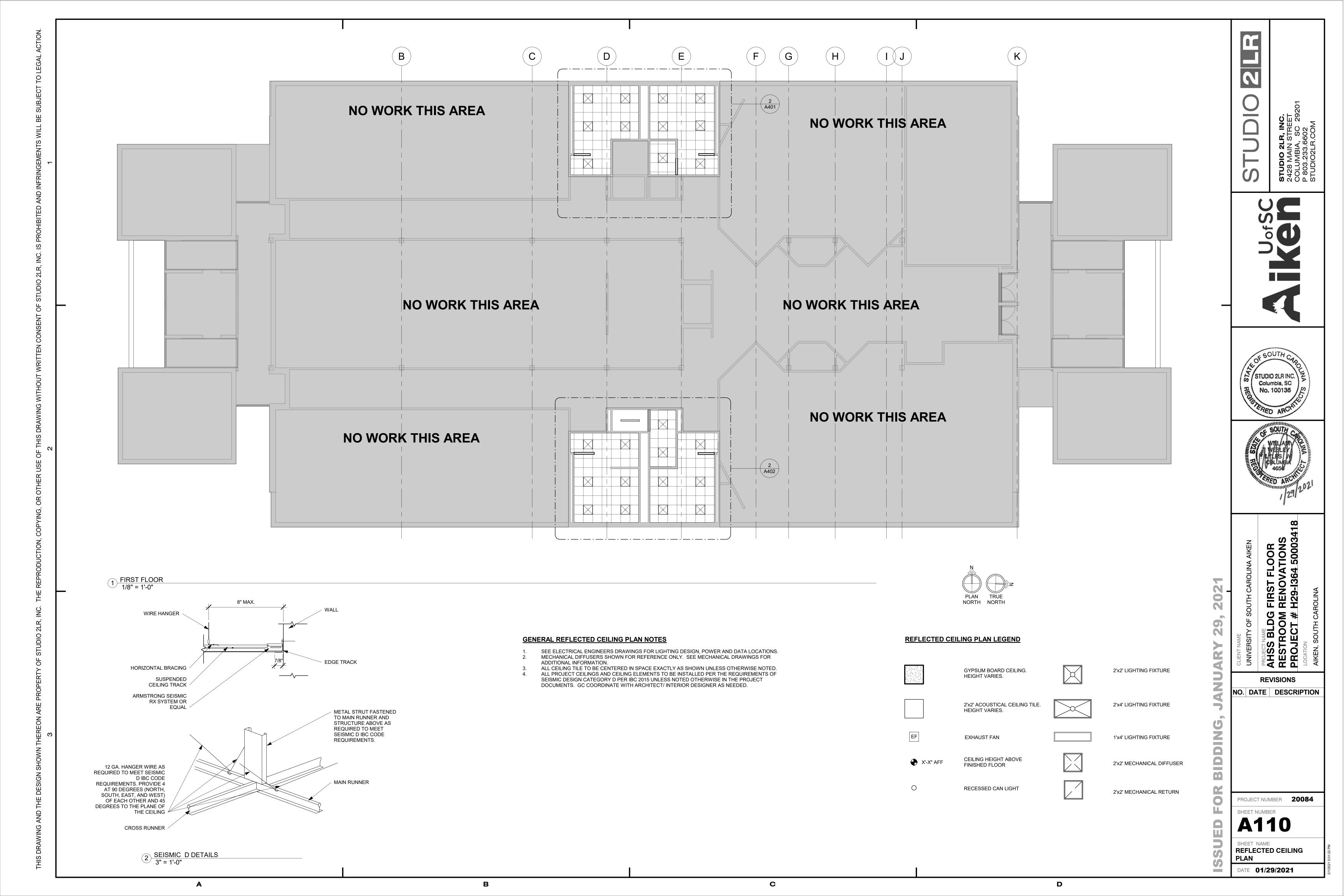
**ENLARGED DEMOLITION PLANS** 

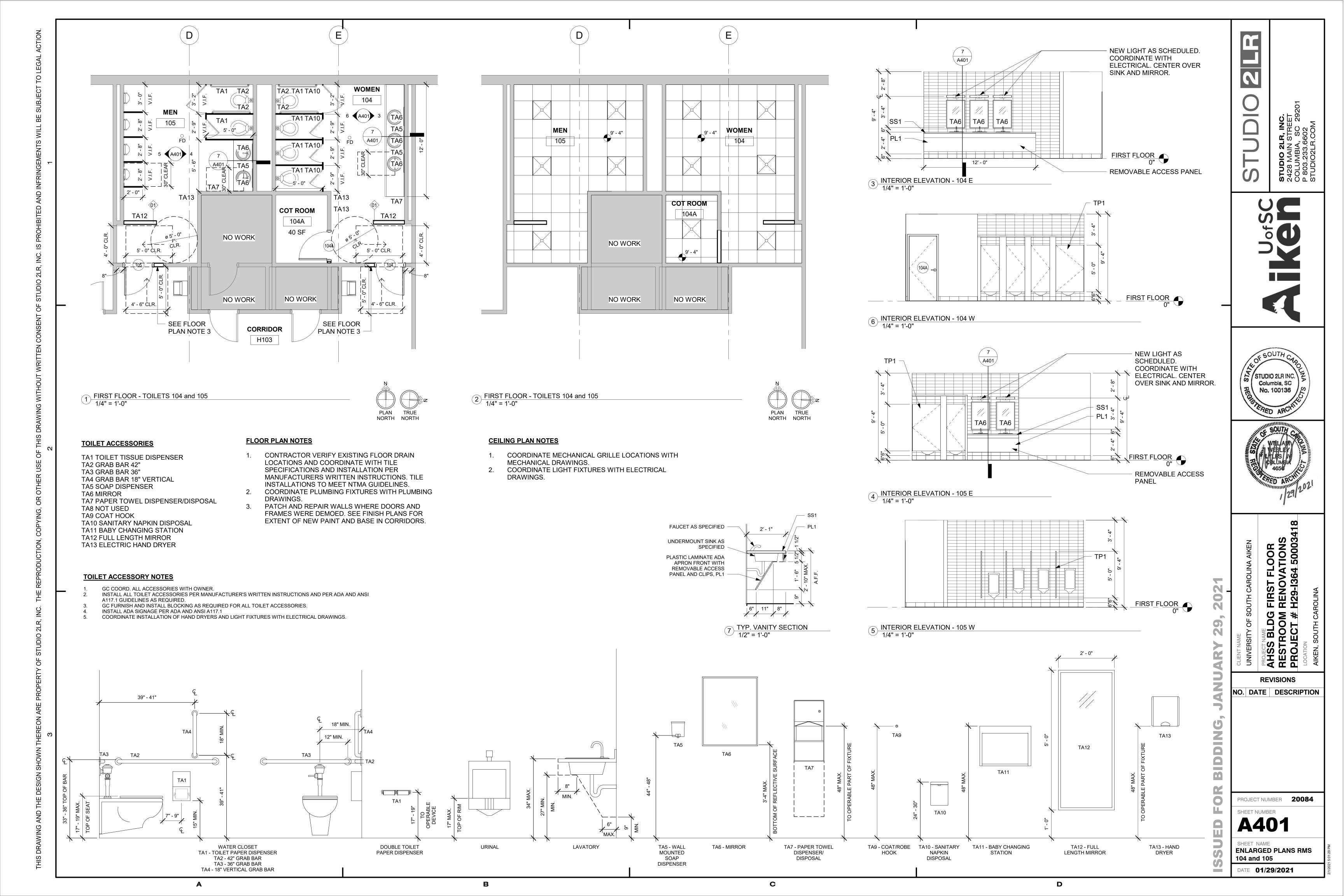
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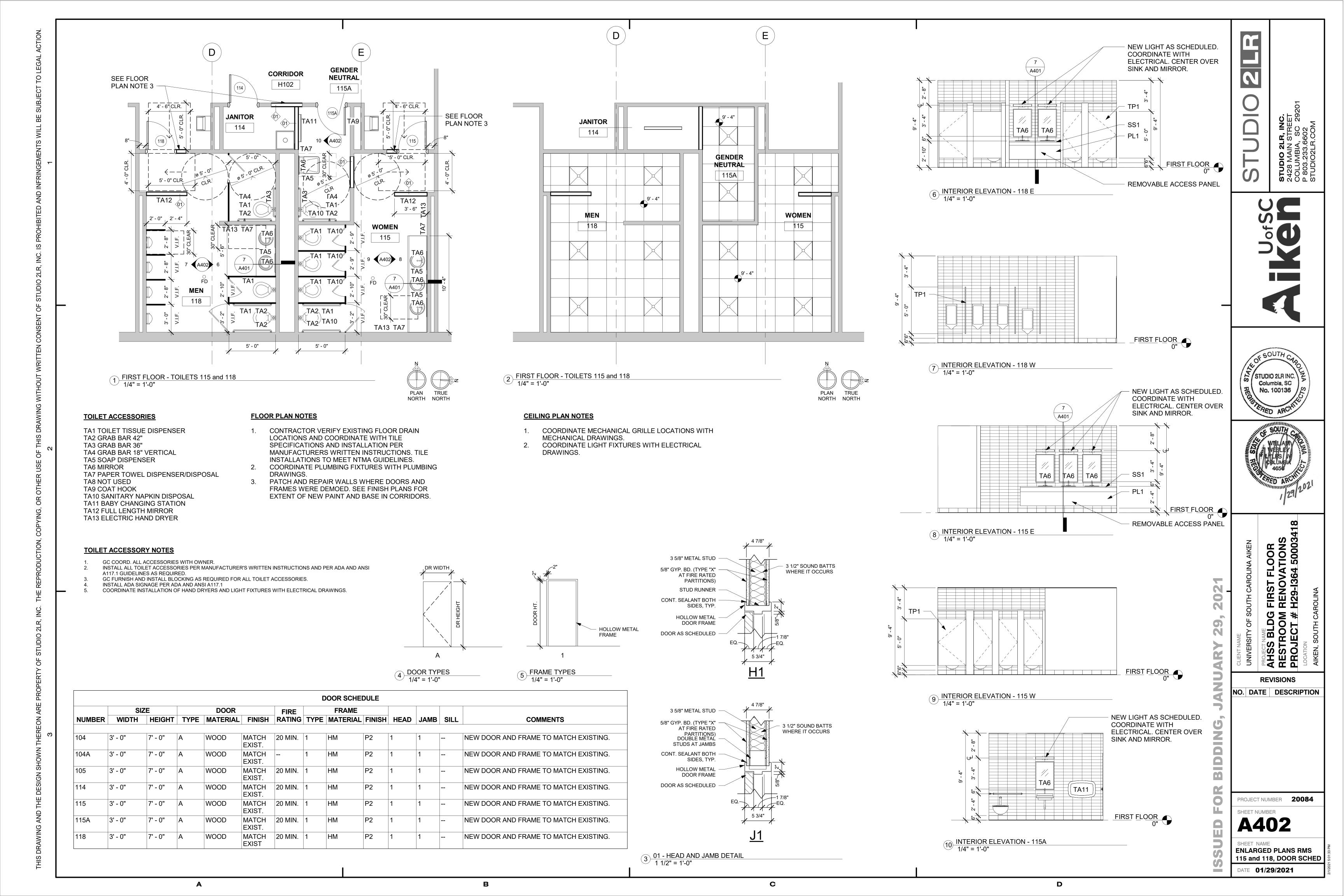
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**M** 



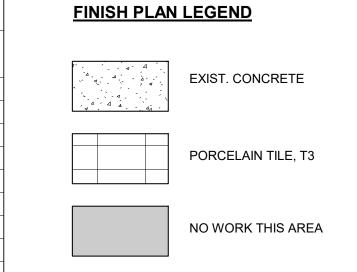


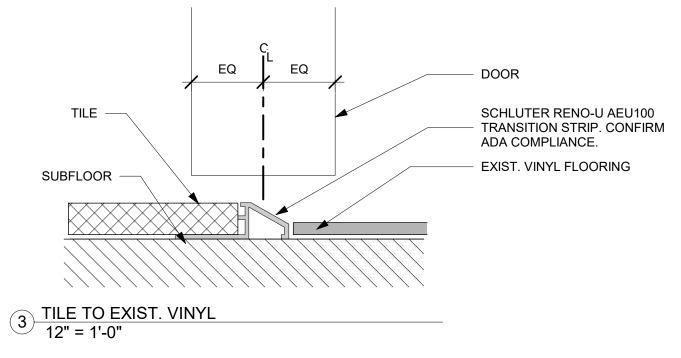


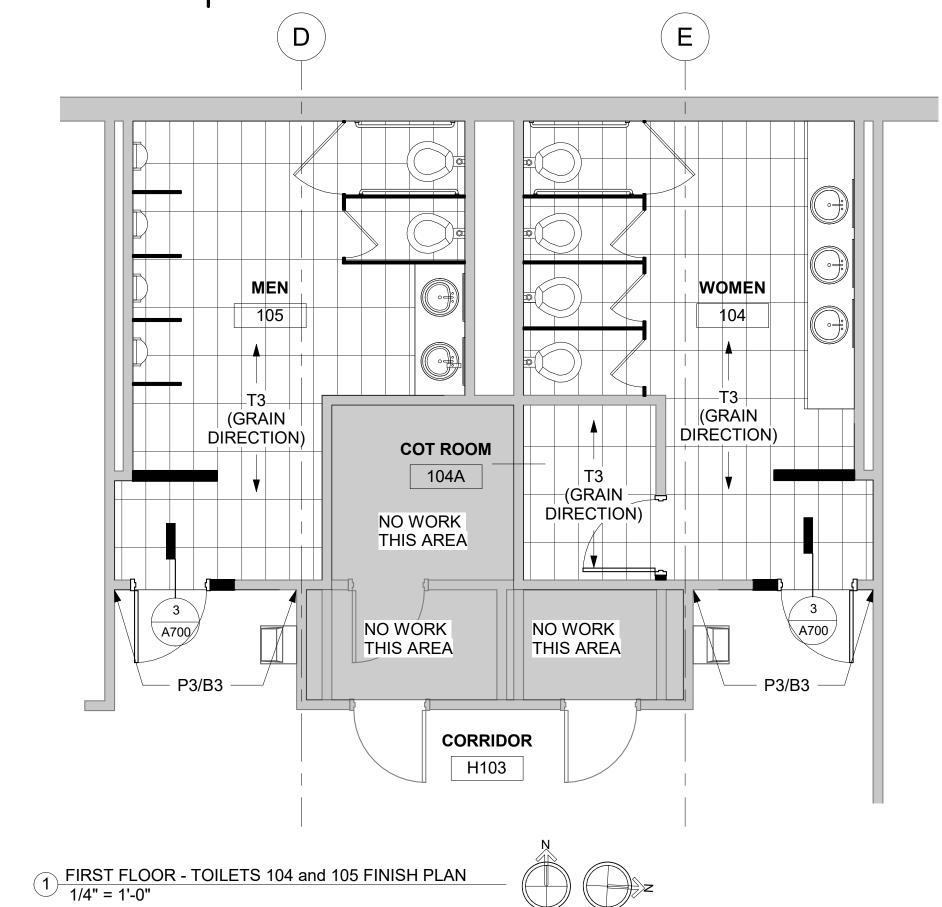


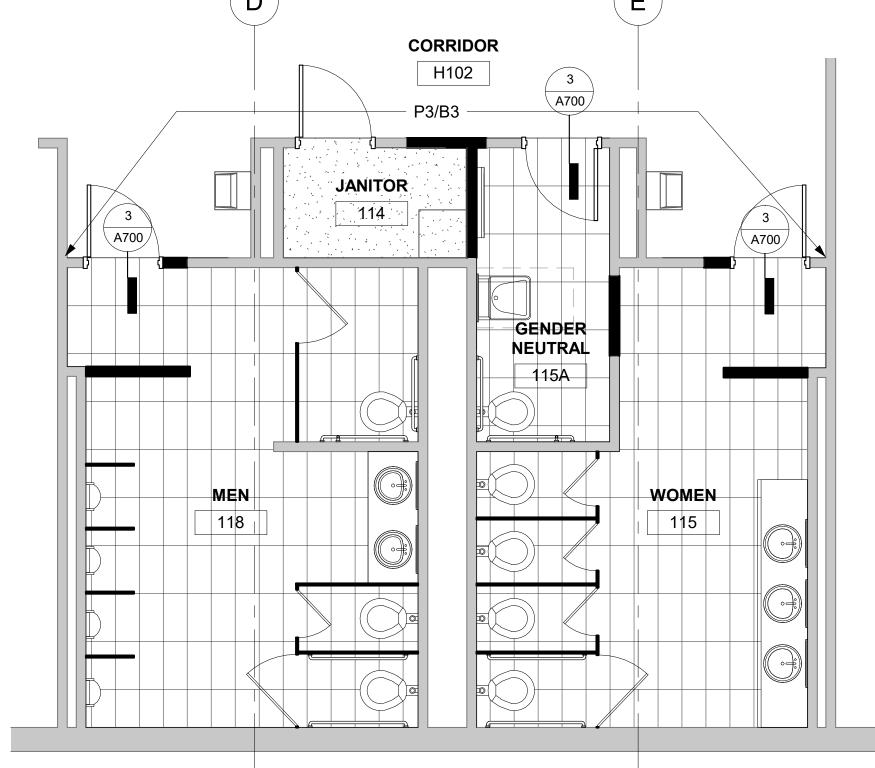
FINISH SPECIFICATION							
TAG	ITEM	MANUFACTURER	DESCRIPTION	SIZE	NOTES		
TILE (T)							
T1	PORCELAIN TILE	INTERCERAMIC	PATTERN: IC BRITES; COLOR: JET BLUE	4 1/4" L X 12 1/4" W; 1/4" THICK	INSTALL IN HORIZONTAL STACK BOND PER INTERIOR ELEVATIONS; ALIGN GROUT JOINTS WITH FLOOR TILE JOINTS; USE GT1		
T2	PORCELAIN TILE	INTERCERAMIC	PATTERN: IC BRITES; COLOR: WHITE	4 1/4" L X 12 1/4" W; 1/4" THICK	INSTALL IN HORIZONTAL STACK BOND PER INTERIOR ELEVATIONS; ALIGN GROUT JOINTS WITH FLOOR TILE JOINTS; USE GT1		
Т3	PORCELAIN TILE	ATLAS CONCORDE	PATTERN: FRAY; COLOR: GRAY	12"L X 24" W; 3/8" THICK	INSTALL IN STACK BOND PER FINISH PLAN; RUN LENGTH PLAN NORTH TO PLAN SOUTH; CENTER PATTERN IN ROOM; ALIGN GROUT JOINTS WITH WALL TILE GROUT JOINTS ON PLAN EAST AND PLAN WEST WALLS; USE GT1; SCHLUTER RENO-U AEU100 AT FLOOR TRANSITION TO LVT		
GROUT (GT)							
GT1	GROUT	LATICRETE	COLOR: 78 STERLING SILVER				
PAINT (P)							
P1	WALL PAINT	SHERWIN WILLIAMS	COLOR: SW 7029 AGREEABLE GRAY; FINISH: SEMIGLOSS				
P2	METAL DOOR FRAME PAINT	SHERWIN WILLIAMS	COLOR: SW 7674 PEPPERCORN; FINISH: SATIN				
P3	WALL PAINT	SHERWIN WILLIAMS	COLOR: SW 6244 NAVAL; FINISH: EGGSHELL				
PLASTIC LAMINATE (PL)							
PL1	PLASTIC LAMINATE	WILSONART	PATTERN: SATIN STAINLESS	4'W X 8'L	APRONS AT ALL VANITIES		
SOLID SURFACE (SS)							
SS1	SOLID SURFACE	CORIAN	CARBON CONCRETE				
BASE (B)							
B1	TILE BASE	ATLAS CONCORDE	PATTERN: FRAY; COLOR: GRAY	6" X 12" COVE BASE			
B2	RUBBER BASE	TARKETT	COLOR: GREY	4" COVE BASE	INSTALL PER MANUFACTURER'S WRITTEN INSTRUCTIONS		
В3	RUBBER BASE	TARKETT	COLOR: NAVY BLUE	4" COVE BASE	INSTALL PER MANUFACTURER'S WRITTEN INSTRUCTIONS		
TOILET PARTITIONS (TP)							
TP1	SOLID PHENOLIC FLOOR MOUNTED TOILET PARTITIONS	GENERAL PARTITIONS	TBD FROM MANUFACTURER'S STANDARD FINISHES. PROVIDE MFR. STANDARD COAT HOOK IN EACH STALL, TYP. PROVIDE SHOP DRAWINGS FOR REVIEW.				
TRANSITION STRIPS (TS)							
TS1	METAL TRANSITION STRIP	SCHLUTER	RENO-U AEU100				

	ROOM FINISH SCHEDULE									
		FLOOR	BASE	CEII	LING		WALI	FINISH		
NO.	NAME	MATERIAL	MATERIAL	MATERIAL	FINISH	NORTH	SOUTH	EAST	WEST	COMMENTS
104	WOMEN	T3	B1	ACT	MFR	P1	P1	T2	T1	
104A	COT ROOM	T3	B1	ACT	MFR	P1	P1	P1	P1	
105	MEN	T3	B1	ACT	MFR	P1	P1	T2	T1	
114	JANITOR	EXIST CONC	B2			P1	P1	P1	P1	
115	WOMEN	T3	B1	ACT	MFR	P1	P1	T2	T1	
115A	GENDER NEUTRAL	T3	B1	ACT	MFR	P1	P1	P1	T1	
118	MEN	T3	B1	ACT	MFR	P1	P1	T2	T1	
H102	CORRIDOR	EXIST	B3	EXIST			P3			SEE FINISH PLANS FOR EXTENT OF PAINT AND BASE
H103	CORRIDOR	EXIST	B3	EXIST		P3				SEE FINISH PLANS FOR EXTENT OF PAINT AND BASE









PLAN TRUE NORTH NORTH

2 FIRST FLOOR - TOILETS 115 and 118 FINISH PLAN 1/4" = 1'-0" PLAN TRUE NORTH NORTH

#### **GENERAL FINISH NOTES**

- WALL FINISH DIRECTION IS BASED ON PLAN ORIENTATION (I.E. NORTH WALL REFERS TO PLAN NORTH)
- PROVIDE CODE COMPLIANT TRANSITION STRIPS WHERE NEEDED. PREP ALL SUB SURFACES TO RECEIVE NEW FINISH PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
- ALL FINISHES TO BE SUBMITTED TO OWNER FOR APPROVAL PRIOR TO ORDERING/FABRICATING. WHERE FLOOR TRENCHING OCCURS, LEVEL AND PREP NEW CONCRETE SUBSTRATE TO RECEIVE NEW
- FINISHES PER MANUFACTURER'S WRITTEN INSTRUCTIONS. ALL DIMENSIONS ARE FROM EXISTING CONDITIONS. VERIFY IN FIELD AND CONTACT ARCHITECT IF
- DISCREPANCIES PRIOR TO INSTALLATION. TRANSITIONS AT DOORWAY TO OCCUR AT CENTERLINE OF CLOSED DOOR (SEE DETAIL). PROVIDE FLOOR TRANSITION STRIPS BETWEEN NEW AND EXISTING FLOORING. CONTRACTOR CONFIRM ALL LOCATIONS.

D

Z **M** 

PROJECT NUMBER 20084

STUDIO 2LR INC.

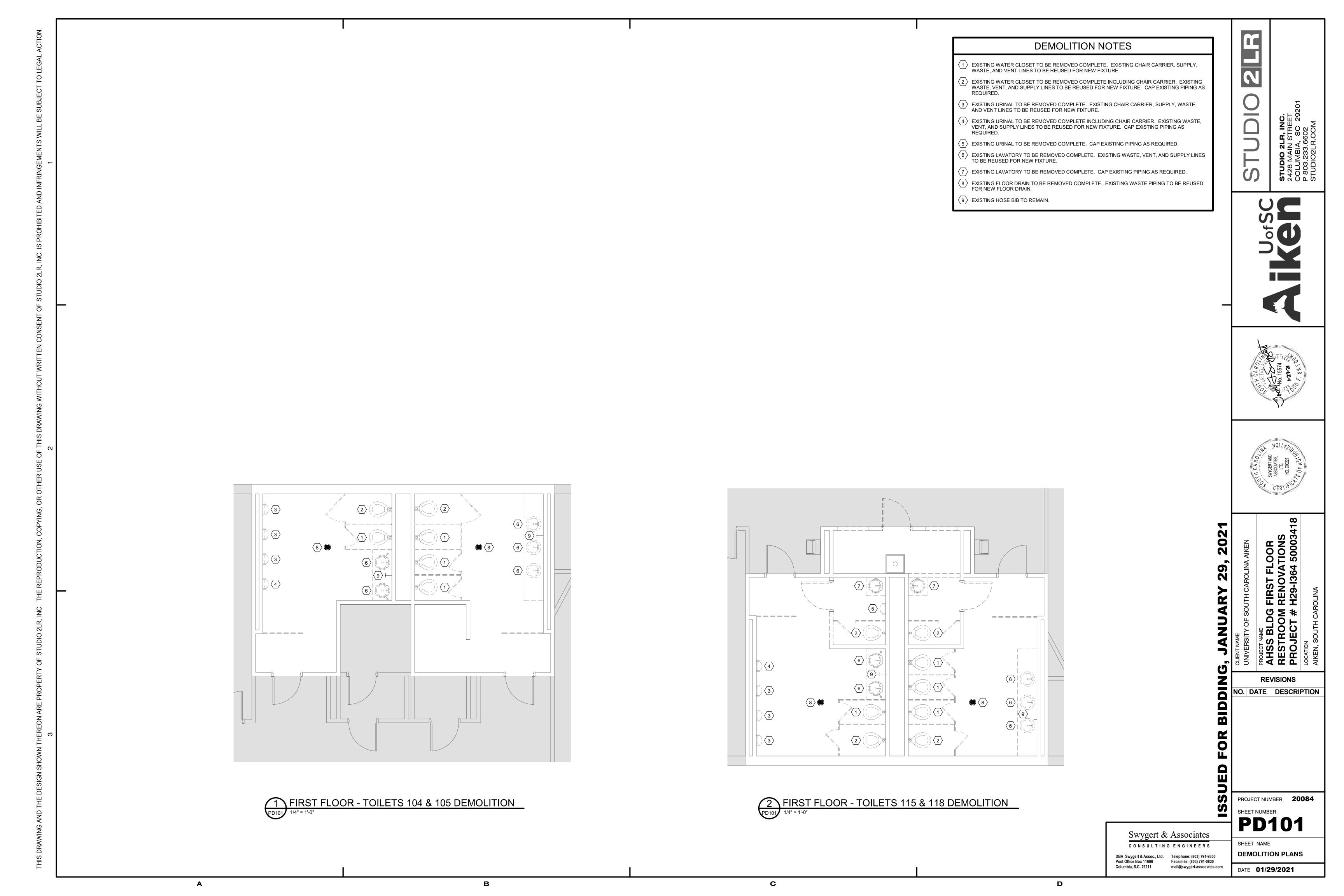
Columbia, SC No. 100136

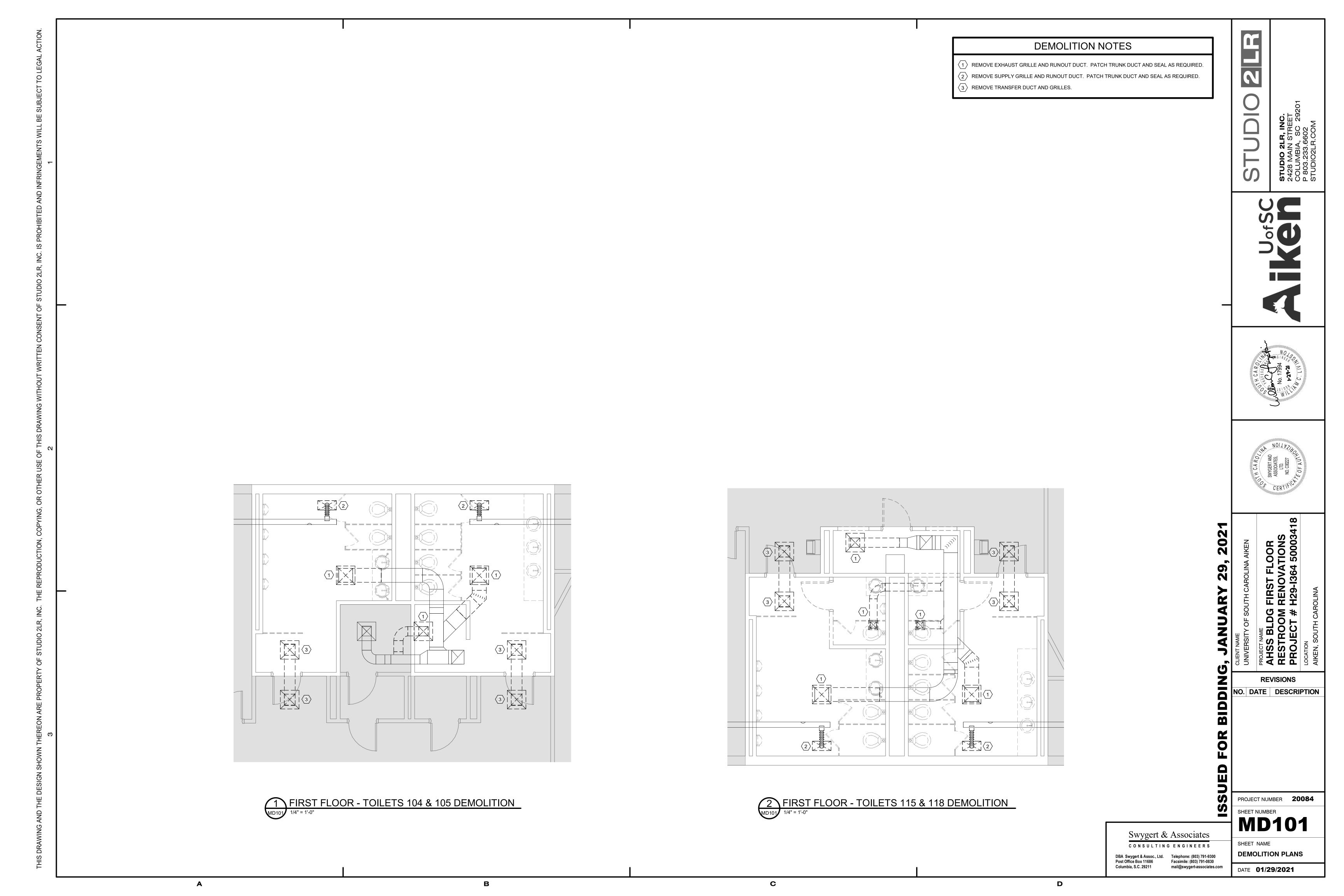
FINISH SPECS, FINISH SCHEDULE, FINISH PLANS

**REVISIONS** 

NO. DATE DESCRIPTION

C





NO. DATE DESCRIPTION FIRST FLOOR - TOILETS 115 & 118 RENOVATION

1/4" = 1'-0" FIRST FLOOR - TOILETS 104 & 105 RENOVATION

1/4" = 1'-0" PROJECT NUMBER 20084 SHEET NUMBER
M101 Swygert & Associates
consulting engineers SHEET NAME **RENOVATION PLANS** DBA Swygert & Assoc., Ltd. Telephone: (803) 791-9300 Facsimile: (803) 791-0830 Columbia, S.C. 29211 mail@swygert-associates.com DATE **01/29/2021** 



— EXHAUST TRUNK DUCT

SAME SIZE AS GRILLE

SEE ARCHITECTURAL

DRAWINGS FOR

CEILING TYPE

NECK SIZE

MANUAL BALANCING DAMPER

ROUND SHEET METAL RUNOUT DUCT

**EXHAUST GRILLE DETAIL** 

RIGID ROUND SHEET

FLAT BLACK

MIN. 3"

EXHAUST GRILLE; SEE AIR

DISTRIBUTION SCHEDULE

FOR GRILLE SIZE

PAINT INSIDE OF PLENUM

METAL ELBOW

WITH LOCKING QUADRANT

#### SPIN-IN FITTING WITH 45° EXTRACTOR AND MANUAL BALANCING DAMPER WITH STANDOFF LOCKING QUADRANT (INSULATED) - L.P. SUPPLY ROUND SHEET METAL TRUNK DUCT RUNOUT (INSULATED) (INSULATED) FLEXIBLE DUCT RUNOUT (SAME SIZE AS DIFFUSER NECK) 8'-0" LONG MAX. RIGID ROUND SHEET METAL ELBOW (INSULATED) INSULATE BACKPAN OF ALL DIFFUSERS AND GRILLES DIFFUSER (SEE SCHEDULE FOR MODEL AND SIZE)

CEILING DIFFUSER DETAIL

#### **GENERAL NOTES**

- ALL WORK SHALL BE IN ACCORDANCE WITH THE 2018 INTERNATIONAL MECHANICAL CODE, 2009 INTERNATIONAL ENERGY CONSERVATION CODE, AND 2006 SMACNA HVAC DUCT CONSTRUCTION STANDARD. ALL LOCAL CODES OR REQUIREMENTS STILL APPLY.
- VISIT SITE PRIOR TO BIDDING. THIS CONTRACTOR SHALL DETERMINE DIFFICULTY OF INSTALLATION AND REFLECT THIS IN HIS BIDDING.

MAX NC REMARKS

1,2

1,2

1,2

30

30

30

- DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL DRAWINGS AND REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF DOORS, WINDOWS, AIR DISTRIBUTION, ETC.
- DO NOT SCALE DRAWINGS. THIS CONTRACTOR SHALL VERIFY ALL EXISTING ITEMS AND LOCATIONS IN THE FIELD.
- ALL DUCTWORK LOCATIONS SHALL BE COORDINATED WITH WORK UNDER OTHER DIVISIONS OF THE SPECIFICATIONS TO AVOID INTERFERENCE.
- WHERE 2'X2' LAY IN GRILLES ARE SPECIFIED IN HARD CEILINGS, A PLASTER FRAME SHALL BE PROVIDED SO THE GRILLE CAN LAY IN THE CEILING.
- EXHAUST DUCTS SHALL BE RIGID SHEET METAL ONLY. FLEXIBLE DUCT SHALL NOT BE USED
- THIS CONTRACTOR SHALL PROVIDE ALL ITEMS OF MISCELLANEOUS STEEL AS REQUIRED FOR
- INSTALLATION OF ALL MECHANICAL ITEMS. 9. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ANY NECESSARY DISMANTLING OF
- 10. ITEMS REMOVED UNDER THIS CONTRACT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF PROPERLY.

EQUIPMENT TO BE REMOVED.

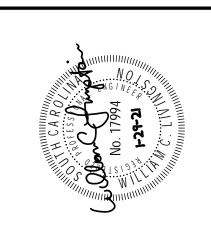
11. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING HVAC SYSTEMS FROM CONSTRUCTION DEBRIS, DUST AND DIRT FOR THE ENTIRE CONSTRUCTION DURATION. DUCT CLEANING AND UNIT/COIL CLEANING SHALL BE PERFORMED AS REQUIRED. PROTECTION SHALL INCLUDE FILTER MEDIA OVER ALL RETURN GRILLES AND RETURN DUCT OPENINGS TO PROTECT DUCTS AND EQUIPMENT.

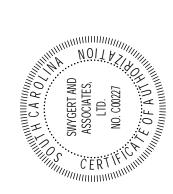
#### **SPECIFICATIONS**

- ALL WORK SHALL BE IN ACCORDANCE WITH THE 2018 INTERNATIONAL MECHANICAL CODE, 2009 INTERNATIONAL ENERGY CONSERVATION CODE, AND 2006 SMACNA HVAC DUCT CONSTRUCTION STANDARD. ALL LOCAL CODES OR REQUIREMENTS STILL APPLY.
- ALL RECTANGULAR DUCT SHALL BE TYPE G-60 GALVANIZED SHEET METAL, SEALED WITH LOW PRESSURE DUCT MASTIC. ROUND DUCTS SHALL BE GALVANIZED SHEET METAL SEALED WITH LOW PRESSURE DUCT MASTIC. LOCKING QUADRANT BALANCING DAMPERS SHALL BE INSTALLED IN EACH BRANCH TAKEOFF AT THE MAIN TRUNK DUCT. FLEXIBLE DUCT SHALL NOT EXCEED 5' IN LENGTH AND SHALL BE EQUAL TO FLEXMASTER TYPE 1M.
- SUPPLY DUCTS SHALL BE INSULATED WITH 2" THICK, 3/4# DENSITY DUCT WRAP. DUCT WRAP SHALL BE SEALED WITH FIBERGLASS REINFORCING MESH, STAPLES AND MASTIC AT THE
- SUBMIT ALL EQUIPMENT AND PRODUCTS PROPOSED TO BE USED FOR THIS PROJECT PRIOR TO ORDERING. SUBMIT SIX COPIES OF DATA SHEETS TO THE ENGINEER, BOUND IN A SINGLE VOLUME FOR APPROVAL.
- SUBMIT A CERTIFIED ABB OR NEBB TEST AND BALANCE REPORT AT PROJECT COMPLETION PRIOR TO FINAL ACCEPTANCE. BALANCE FAN AIR VOLUMES TO WITHIN 5% OF DESIGN AND DIFFUSER AIR VOLUMES TO WITHIN 10% OF DESIGN.
- ALL EQUIPMENT, PRODUCTS AND WORK SHALL BE GUARANTEED TO BE FREE OF DEFECTS IN MANUFACTURE AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION. ALL REPAIRS WILL BE MADE AT NO COST TO THE OWNER.

LEGEND					
SYMBOL DESCRIPTION					
<b>A</b> 100	TYPE "A" DIFFUSER, 100 CFM				
	RECTANGULAR SUPPLY DUCTWORK				
RETURN AND FRESH AIR DUCTWORK					
	EXHAUST DUCTWORK				
48x24	48"x24" RECTANGULAR DUCT	_			
•	CONNECTION POINT OF NEW TO EXISTING				







NO. DATE DESCRIPTION

PROJECT NUMBER 20084

SHEET NUMBER

**DETAILS, NOTES,** SCHEDULES, & LEGEND

Swygert & Associates CONSULTING ENGINEERS

DBA Swygert & Assoc., Ltd. Telephone: (803) 791-9300 Post Office Box 11686 Facsimile: (803) 791-0830 Columbia, S.C. 29211 mail@swygert-associates.com

NO WORK THIS AREA

NO WORK THIS AREA

DEMOLISH EXISTING LIGHTING — FIXTURE AS INDICATED. EXISTING LIGHTING CIRCUIT TO BE RE-USED. SEE NEW WORK PLAN. TYPICAL.

ELECTRICAL DEMOLITION PLAN - TOILETS 104 AND 105

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

NO WORK THIS AREA

DEMOLISH EXISTING HAND —
DRYER. EXISTING J—BOX
AND CIRCUIT—TO BE
RE—USED FOR CONNECTION
TO NEW HAND DRYER. SEE
NEW WORK PLANS. TYPICAL

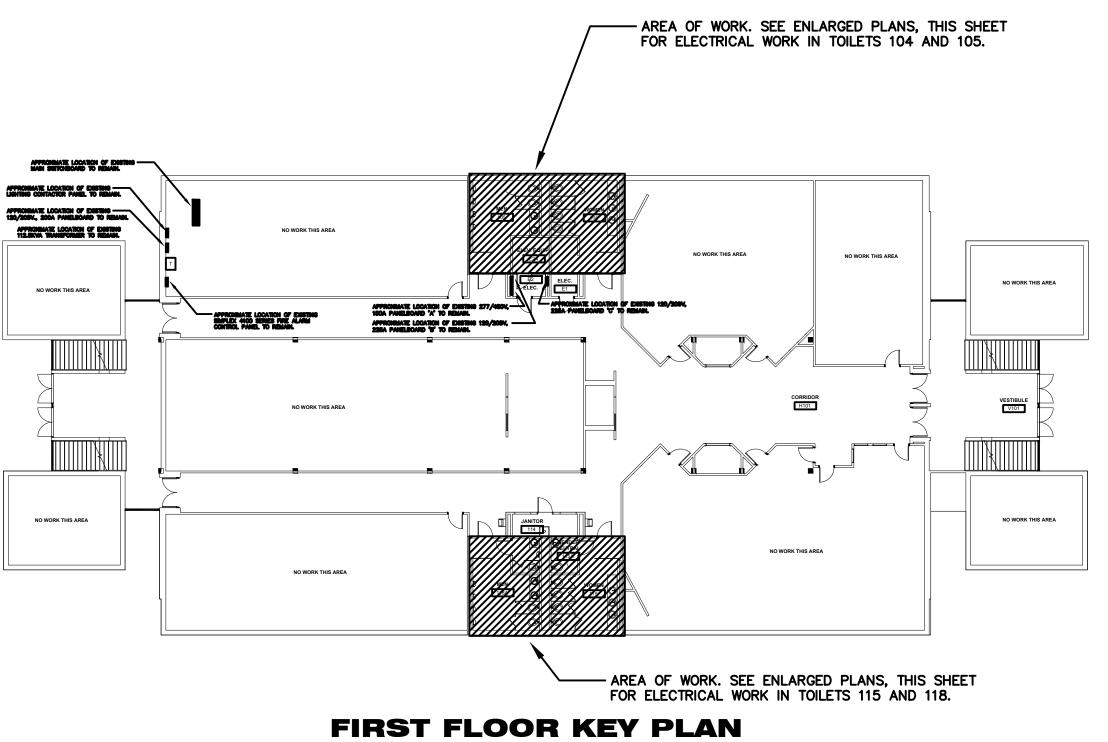
FOR THREE (3).

DEMOLISH EXISTING HAND
DRYER. EXISTING J-BOX
AND CIRCUIT TO BE
RE-USED FOR CONNECTION
TO NEW HAND DRYER. SEE
NEW WORK PLANS. TYPICAL
FOR TWO (2).

NO WORK THIS AREA NO WORK THIS AREA - DEMOLISH EXISTING
RECEPTACLE. EXISTING
RECEPTACLE CIRCUIT TO BE
RE-USED. SEE NEW WORK
PLAN. TYPICAL.

DEMOLISH EXISTING
RECEPTACLE. EXISTING
RECEPTACLE CIRCUIT TO BE
RE-USED. SEE NEW WORK

PLAN. TYPICAL.



SCALE: 1" = 20'-0"

2021

1/21/2021

GWA, INC. ELECTRICAL ENGINEERS

PROJECT NUMBER 20084 SHEET NUMBER

**ED01** SHEET NAME

**DEMOLITION PLANS** 

**ELECTRICAL** 

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THE FOLLOWING STANDARD ABBREVIATIONS ARE USED IN THESE PLANS AND SPECIFICATIONS. CONTRACTOR IS CAUTIONED THAT ALL ABBREVIATIONS LISTED MAY NOT BE USED; CONSULT PLANS AND SPECIFICATIONS FOR ABBREVIATIONS APPLICABLE TO THIS PROJECT.

A.F.F. ABOVE FINISHED FLOOR B.F.F. BELOW FINISHED FLOOR A.F.G. ABOVE FINISHED GRADE B.F.G. BELOW FINISHED GRADE **U.N.O.** UNLESS NOTED OTHERWISE CKT. CIRCUIT CONDUIT E.C. **EMPTY CONDUIT** FLX. FLEXIBLE CONDUIT WFLX WEATHERPROOF FLEXIBLE CONDUIT EWC EHWH ELECTRIC WATER COOLER ELECTRIC WATER HEATER

VENTILATING FAN CEF VENTILATING FAN (CEILING EXHAUST FAN) AHU AIR HANDLING UNIT FCU FAN COIL UNIT CU CONDENSING UNIT

#### BRANCH CIRCUIT WIRING -HASHMARK CODE

HEAT PUMP OR HORSEPOWER

BRANCH CIRCUITS SHOWN ON THESE DRAWINGS MAY INCLUDE HASHMARKS WHICH INDICATE THE NUMBER OF WIRES TO BE PROVIDED IN A CONDUIT RUN BETWEEN OUTLETS OR JUNCTION BOXES. WIRE SIZES SHALL BE AS TABULATED IN PANELBOARD SCHEDULES UNLESS OTHERWISE INDICATED ON PLAN. SEE SYMBOL SCHEDULE FOR CONDUIT ROUTING NOTATION. HASHMARK CODE IS AS FOLLOWS:

EACH PHASE AND NEUTRAL WIRE IN A CONDUIT RUN IS REPRESENTED BY A HASHMARK. FOR EXAMPLE -

> TWO WRES (NO HASHMARKS) THREE WIRES (3 HASHMARKS) → FOUR WIRES (4 HASHMARKS)

NOTE: GROUND WIRES ARE NOT GENERALLY SHOWN. EXAMINE SPECIFICATIONS AND GENERAL NOTES TO DETERMINE REQUIREMENTS FOR GROUND WIRES AND WHERE SPECIFIED, PROVIDE IN ADDITION TO

NOTE: CONTRACTOR IS CAUTIONED THAT MULTIWIRE (LINE-TO-NEUTRAL) BRANCH CIRCUITS DO NOT INDICATE ALL REQUIRED NEUTRAL CONDUCTORS. PROVIDE SEPARATE NEUTRAL CONDUCTORS (WITH COLORED STRIPE TO MATCH PHASE CONDUCTOR)

EMPTY CONDUITS ARE NOTED BY "EC" WITH TRADE SIZE.

- DO NOT SCALE DRAWINGS UNLESS DIMENSIONS ARE SHOWN. LOCATE OUTLETS AND EQUIPMENT AS OBVIOUSLY INDICATED AND COORDINATE WITH OTHER TRADES TO AVOID CONFLICTS.
- 2. MINIMUM SIZE CONDUCTOR FOR POWER SHALL BE NO. 12 AWG.
- 3. ALL FUSES SHALL BE DUAL-ELEMENT TYPE, "FUSETRON" BY BUSSMAN, OR "ECON" BY ECONOMY.
- 4. BRANCH CIRCUIT SIZES ARE AWG 12-1/2"C. UNLESS OTHERWISE NOTED IN
- 5. ALL BRANCH CIRCUIT LOADS SHALL BE BALANCED ACROSS PANELBOARD BUSSES TO OBTAIN MINIMUM NEUTRAL CURRENT.
- 6. ALL FLEXIBLE CONDUIT SHALL CONTAIN A GREEN WIRE BONDED TO RIGID RACEWAY, BOX OR FIXTURE AT EACH END OF FLEX. SIZE GROUND WIRE PER N.E.C. TABLE 250-122.
- 7. PROVIDE PULL CORD IN ALL EMPTY RACEWAYS.
- 8. ALL ELECTRICAL WORK ABOVE CEILINGS UTILIZED AS RETURN AIR PLENUMS SHALL COMPLY WITH N.E.C. AND LOCAL CODES FOR WIRING USED IN ENVIRONMENTAL AIR.
- 10. COORDINATE WITH OTHER TRADES TO CONCEAL ELECTRICAL WORK AND PROVIDE OUTLETS IN CORRECT LOCATIONS FOR EACH PIECE OF MECHANICAL OR
- SINKS, THRU-WALL UNITS AND THE LIKE WITH EQUIPMENT FURNISHED.
- 12. CONCEAL OUTLETS FOR ALL EQUIPMENT IN FINISHED AREAS. OBTAIN ROUGHING DIAGRAMS FOR ALL EQUIPMENT AND INSTALL ELECTRICAL WORK IN LOCATIONS AND HEIGHTS ACCORDING TO DIAGRAMS.
- MOUNTING HEIGHTS. STUDY ARCHITECTURAL ELEVATIONS, SECTIONS AND CASEWORK DETAILS PRIOR TO ROUGHING AND ADJUST MOUNTING TO AVOID CONFLICTS, INCLUDING BACKSPLASHES. ALL DEVICE MOUNTING SHALL BE IN ACCORDANCE WITH ADA/ANSI A117.1.
- SWITCHES AND OTHER DEVICES ACCORDINGLY.
- 15. MOUNT BRACKET TYPE LIGHTING FIXTURES AT HEIGHTS SHOWN OR SCHEDULED ON DRAWINGS OR AS DIRECTED ON JOB BY ARCHITECT, U.N.O.
- 16. ALL PENETRATIONS THRU WALLS, FLOORS, BARRIERS, PARTITIONS AND THE LIKE SHALL BE SEALED TIGHT. SEAL ALL PENETRATIONS THRU SMOKE TIGHT DRAWINGS FOR LOCATIONS OF SMOKE PARTITIONS.
- 18. ALL TYPEWRITTEN PANELBOARD DIRECTORIES, FIRE ALARM PROGRAMMING, LIGHTING CONTROL PROGRAMMING, LABELING AND THE LIKE SHALL UTILIZE FINAL OPERATIONAL ROOM NAMING SYSTEM AND SHALL REFLECT FINAL ROOM DESIGNATIONS. COORDINATE WITH ARCHITECT AND OWNER FOR FINAL NAMING.

#### **ELECTRICAL SYMBOLS**

LIGHTING FIXTURE. CEILING (O-WALL MOUNT) TOGGLE SWITCH FIXTURE INDICATED, CONNECTED TO EMERGENCY POWER SOURCE

0 LIGHTING FIXTURE

0

LIGHTING FIXTURE, CONNECTED TO EMERGENCY POWER SOURCE **EXIT LIGHT** 

I **TRANSFORMER** PANELBOARD FLUSH JUNCTION BOX CEILING (()—I WALL) J PULL BOX OR JUNCTION BOX IN FLOOR DUPLEX RECEPTACLE ( HIGH MOUNT) Φ

EXISTING; NEW LOCATION

ФGFI GROUND FAULT INTERRUPTER RECEPTACLE EX EXISTING: TO REMAIN ER EXISTING; BEING RELOCATED

WALL SWITCH - OCCUPANCY SENSOR 48" UP CEILING MOUNTED OCCUPANCY SENSOR E FIRE ALARM PULL STATION FIRE ALARM HORN\SPEAKER\STROBE (HC DENOTES HIGH CANDELLA) FIRE ALARM STROBE (VISUAL ONLY) (HC DENOTES HIGH CANDELLA)

CONNECTION TO EXISTING CIRCUIT BRANCH CIRCUIT RACEWAY - CONCEALED IN WALL OR CEILING BRANCH CIRCUIT RACEWAY - CONCEALED IN FLOOR OR UNDERGROUND

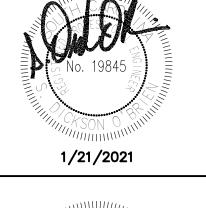
BRANCH CIRCUIT RACEWAY - EXPOSED

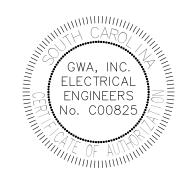
TYPICAL: SYMBOLS DENOTE EXISTING. REMOVE COMPLETE. TYPICAL: "X" ON PLAN SYMBOLS DENOTES EXISTING. REMOVE COMPLETE.

NOTE: ALL DEVICES SHOWN ON THIS SCHEDULE ARE SYMBOLIC ONLY. SEE ELECTRICAL SPECIFICATIONS FOR EXACT DEVICE REQUIREMENTS AND PERFORMACE CHARACTERISTICS.

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PROJECT NUMBER 20084 SHEET NUMBER **E001** 

SHEET NAME **ELECTRICAL NOTES,** SCHEDULES, AND DETAILS DATE **01/29/2021** 

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C

-WALL MOUNTED

#### SMOKE/HEAT DETECTORS AND HORN/STROBE WHICHEVER IS -LOWER -3" LESS THAN DOOR WIDTH DIMMER — CONTROL -HIGH MOUNT HIGH MOUNT-TELEVISION TELEPHONE OUTLET MAGNETIC-OUTLET DOOR HOLDER MOUNT MOUNT RECEPTACLE \ TELE/DATA OUTLET **RECEPTACLE** TELE/DATA— OUTLÉT

**BRANCH CIRCUIT** 

MANUAL PULL

**DEVICE MOUNTING HEIGHTS** 

──///// ➤ FIVE WIRES (5 HASHMARKS) . . . AND SO FORTH.

THE NUMBER OF WIRES INDICATED BY HASHMARK CODE.

FOR EACH PHASE CONDUCTOR.

FIRE ALARM HORN

#### **GENERAL NOTES**

PANELBOARD SCHEDULES.

9. CONTRACTOR SHALL MINIMIZE REMOVAL OF STRUCTURAL STEEL FIREPROOFING FOR INSTALLATION OF CONDUIT AND EQUIPMENT HANGERS. OBTAIN APPROVAL OF GENERAL CONTRACTOR PRIOR TO REMOVAL.

ELECTRICAL EQUIPMENT CONNECTED.

11. COORDINATE DEVICE REQUIREMENTS AND MOUNTING HEIGHTS FOR HAND DRYERS,

13. IN GENERAL, REFER TO DETAILS AND SYMBOL SCHEDULE FOR STANDARD DEVICE

14. CONTRACTOR SHALL VERIFY ALL DOOR SWINGS PRIOR TO ROUGHING - LOCATE

PARTITIONS WITH U.L. LISTED ASSEMBLIES OR METHODS. SEE ARCHITECTURAL

17. FIRESTOP ALL RACEWAYS PASSING THRU FIRE-RATED WALLS, FLOORS OR PARTITIONS. USE U.L. LISTED THROUGH-PENETRATION FIRESTOP SYSTEMS APPROPRIATE FOR CONSTRUCTION AND WITH RATING EQUAL TO THAT BEING PENETRATED. SUBMIT SHOP DRAWINGS FOR SYSTEM(S) PROPOSED. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS AND RATINGS.

19. HANGER WIRES SHALL NOT CONFLICT/TOUCH OTHER TRADES/EQUIPMENT.

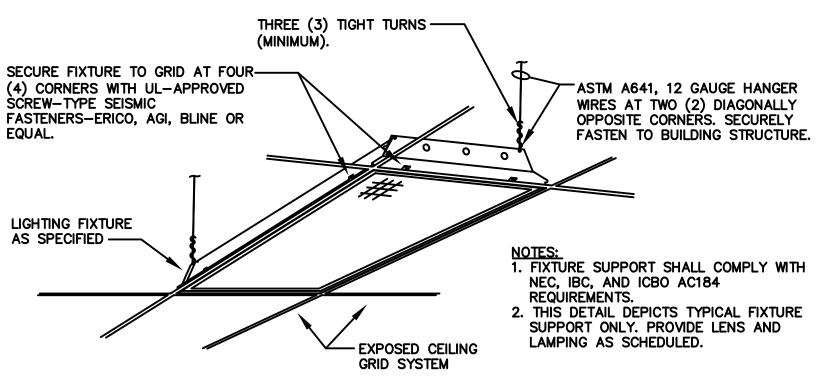
SYMBOL	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	VOLTAGE	FIXTURE WATTAGE	NOTES		
A	2' X 2' LED VOLUMETRIC TROFFER (STATIC, GRID)	LITHONIA	2VTL2-33L-ADP-EZ1-LP835	277V.	29W	RECESSED-CEILING.		
В	DECORATIVE VANITY FIXTURE (WALL MOUNT)	TECH LIGHTING	700BCTFN-24-*-LED927-277	277V.	20W	WALL-MOUNT PER GENERAL NOTES AT LAVATORY. * DENOTES FINISH AS DIRECTED BY ARCHT.		
С	4' UTILITY STRIP	LITHONIA	CLX-L48-5000LM-SEF-FDL- MVOLT-GZ10-35K-80CRI-WH	277V.	42W	CHAIN HUNG FROM STRUCTURE.		

#### NOTES TO LIGHTING FIXTURE SCHEDULE

- L1. LOCATE ALL FIXTURES IN STRICT ACCORDANCE WITH ARCHITECTUAL REFLECTED CEILING PLAN.
- L2. PROVIDE ALL HALF-SHADED FIXTURES WITH EMERGENCY BATTERY UNIT. BODINE. IOTA, DUAL-LITE OR EQUAL. BATTERY UNITS SHALL BE DESIGNED AND RATED FOR USE WITH LED LUMINAIRES AND OF APPROPIATE TYPE AND WATTAGE TO SUIT LED DRIVERS FURNISHED - MINIMUM 90 MINUTE RATING. CONNECT COMPLETE TO SWITCH ON-OFF WITH ROOM/AREA LIGHTING AND ON UPON CIRCUIT FAILURE, REGARDLESS OF SWITCH POSITION.

#### NOTES TO OCCUPANCY SENSORS:

- 1. ALL SENSOR LOCATIONS ARE APPROXIMATE. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS PRIOR TO INSTALLATION.
- 2. ULTRASONIC CEILING MOUNT SENSORS SHOULD BE LOCATED A MINIMUM OF SIX (6) FEET FROM HVAC SUPPLY/RETURN VENTS.
- CONTRACTOR IS RESPONSIBLE FOR PROPER SENSITIVITY AND TIME DELAY SETTINGS FOR NON-ADAPTIVE PRODUCTS. FOLLOWING THE MANUFACTURER'S RECOMMENDED PLACEMENT, AND FIELD VERIFICATION OF CIRCUITS WITH RESPECT TO POWER PACK PLACEMENT.
- CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF REQUIRED NUMBER A. ONE POWER PACK IS REQUIRED FOR EACH CONTROLLED CIRCUIT,
- B. UP TO THREE (3) SENSORS CAN BE WIRED IN PARALLEL TO SINGLE POWER PACK, SÈNSOR TYPE DEPENDENT,
- C. IF MULTIPLE CIRCUITS ARE TO BE CONTROLLED BY A SINGLE SENSOR, AUXILIARY RELAYS MAY BE USED IN CONJUNCTION WITH A POWER PACK.
- SENSORS MOUNTED OVER DOORWAYS SHOULD BE PLACED ONE (1) FOOT INSIDE THRESHOLD.
- PROVIDE FINAL QUANTITY AND LOCATION OF OCCUPANCY SENSORS FOR FULL COVERAGE IN ROOMS. OCCUPANCY SENSORS ARE INDICATED AS REQUIRED FOR SYSTEM FURNISHED.

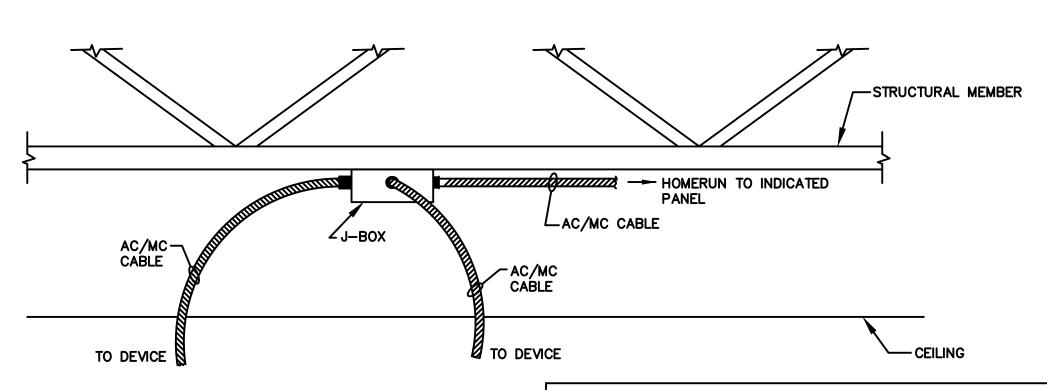


## RECESSED FIXTURE -TYPICAL HANGER SUPPORT Capyright © 1000 Cay Willo & Associates, Inc. NO SCALE

#### **DEMOLITION NOTES**

- BIDDERS SHALL VISIT THE SITE OF WORK PRIOR TO BIDDING AND SHALL INCLUDE IN BID ALL WORK REQUIRED TO PROVIDE NEW WORK AND TO MODIFY EXISTING WORK AS REQUIRED TO CONTINUE IN OPERATION.
- DEMOLITION WORK SHALL COMPLY WITH ANSI 10.6, NFPA 241, OSHA, AHERA AND ALL OTHER APPLICABLE LOCAL. STATE AND FEDERAL STANDARDS, CODES AND GUIDELINES.
- CONTRACTOR IS CAUTIONED THAT DEMOLITION PLANS ARE BASED ON RECORD DRAWINGS AND VISUAL FIELD OBSERVATION AND ARE INTENDED TO COMMUNICATE INTENT OF DEMOLITION AND DO NOT INDICATE EVERY COMPONENT OF ELECTRICAL SYSTEMS.
- OWNER SHALL RETAIN FIRST RIGHT OF REFUSAL ON ELECTRICAL EQUIPMENT BEING DEMOLISHED. PRIOR TO BEGINNING DEMOLITION WORK, CONTRACTOR SHALL WALL DEMOLITION AREA WITH OWNER REPRESENTATIVE AND IDENTIFY ITEMS TO BE REMOVED AND TURNED OVER TO OWNER. ALL SUCH ITEMS SHALL BE CAREFULLY REMOVED, PROTECTED AND DELIVERED TO OWNER.
- EXISTING RACEWAY AND WIRING SYSTEMS REUSED AS PART OF THIS CONTRACT SHALL BE REWORKED AS REQUIRED TO COMPLY WITH REQUIREMENTS FOR NEW WORK AND CURRENT CODES AND STANDARDS.
- CONTRACTOR SHALL EXAMINE DEMOLITION AND NEW WORK PLANS FOR ALL TRADES AND INCLUDE IN BID ALL REQUIRED REWORK AND/OR RELOCATION OF EXISTING RACEWAY, JUNCTION BOXES, DEVICES, WIRING SYSTEMS AND THE LIKE AS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION.
- SEE ARCHITECTURAL DRAWINGS FOR DEMOLITION FLOOR PLAN. EXAMINE WORK TO BE DONE AND PROVIDE ALL ELECTRICAL WORK REQUIRED FOR DEMOLITION.

- INCLUDE IN BID ALL WORK REQUIRED FOR TEMPORARY WIRING AND ASSOCIATED ELECTRICAL WORK REQUIRED TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING DEMOLITION PHASE. INTERRUPTIONS IN ANY ELECTRICAL SERVICE OR SYSTEM (POWER, LIGHTING, COMMUNICATION, FIRE ALARM, ETC.) SHALL BE COORDINATED WITH AND APPROVED BY OWNER A MINIMUM OF 48 HOURS PRIOR TO PERFORMING WORK U.N.O.
- ELECTRICAL DEMOLITION GENERALLY INCLUDES REMOVAL OF EXISTING OUTLETS, DEVICES, AND OTHER ELECTRICAL COMPONENTS. WHERE ALL CIRCUIT LOADS ARE REMOVED, DEMOLISH CIRCUITS BACK TO PANELBOARD(S). WHERE ONLY PORTIONS OF CIRCUIT LOADS ARE REMOVED, REWORK CIRCUITS BY EXTENSION AND RECONNECTION TO CONTINUE REMAINING LOADS IN SERVICE BEYOND THE DEMOLITION AREA.
- 10. WIRING SYSTEMS SHALL BE REMOVED BACK TO THE SOURCE OF SUPPLY UNLESS NOTED OTHERWISE. CIRCUIT BREAKERS, FUSIBLE SWITCHES, ETC. SUPPLYING LOADS DEMOLISHED AS PART OF THIS CONTRACT SHALL BE LABELED AS SPARE AND SET TO THE OFF POSITION.
- 11. PROVIDE REVISED CIRCUIT DIRECTORIES IN ALL PANELBOARDS AFFECTED BY NEW OR DEMOLITION WORK. INDICATE ALL LOADS, NEW, SPARE OR MODIFIED.
- 12. REMOVE ALL EXISTING, ABANDONED WIRING SYSTEMS IN CEILING SPACE, EQUIPMENT ROOMS, SHAFTS, CRAWL SPACES AND SIMILAR CAVITIES OF THE WORK AREA, INCLUDING WIRING, RACEWAYS, BOXES AND SUPPORTS.
- 13. EXISTING CEILING SYSTEMS ARE BEING REMOVED AND REPLACED IN SOME AREAS UNDER THIS CONTRACT. INCLUDE IN BID ALL WORK AS REQUIRED FOR RELOCATION OF ALL EXISTING CEILING MOUNTED ELECTRICAL DEVICES (FIRE ALARM, SENSORS, CAMERAS, CLOCKS, SPEAKERS, ETC.) TO NEW CEILING SYSTEM. PROVIDE REMOVAL, PROTECTION OF, TEMPORARY SUPPORT AND REINSTALLATION COMPLETE.



### **AC/MC CABLE DETAIL**

NO SCALE

#### NOTE TO AC/MC CABLE DETAIL:

- UPON COMPLETION OF WORK AND PRIOR TO INSTALLATION OF GYPSUM WALLBOARD, THE SYSTEM SHALL BE FREE OF SHORTS, GROUND FAULTS, AND OPEN CIRCUITS. TEST SYSTEMS AS REQUIRED AND FURNISH THE ENGINEER A TEST REPORT.
- PROVIDE RED METALLIC RACEWAYS FOR ALL FIRE ALARM CONDUCTORS AND CABLES. AC/MC CABLE NOT PERMITTED.
- . PROVIDE METALLIC RACEWAYS FOR ALL PANELBOARD FEEDER CONDUITS. AC/MC CABLE NOT PERMITTED.
- 4. DO NOT BUNDLE OR STACK TOGETHER MORE THAN 10 AC/MC
- 5. SEE MATERIAL RACEWAY USE TABLE.

# 2

PROJECT NUMBER 20084

SHEET NUMBER **E002** 

1/21/2021

LECTRICAL

ENGINEERS

SHEET NAME **ELECTRICAL NOTES,** SCHEDULES, AND DETAILS DATE **01/29/2021** 

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GWA:19-3392.01

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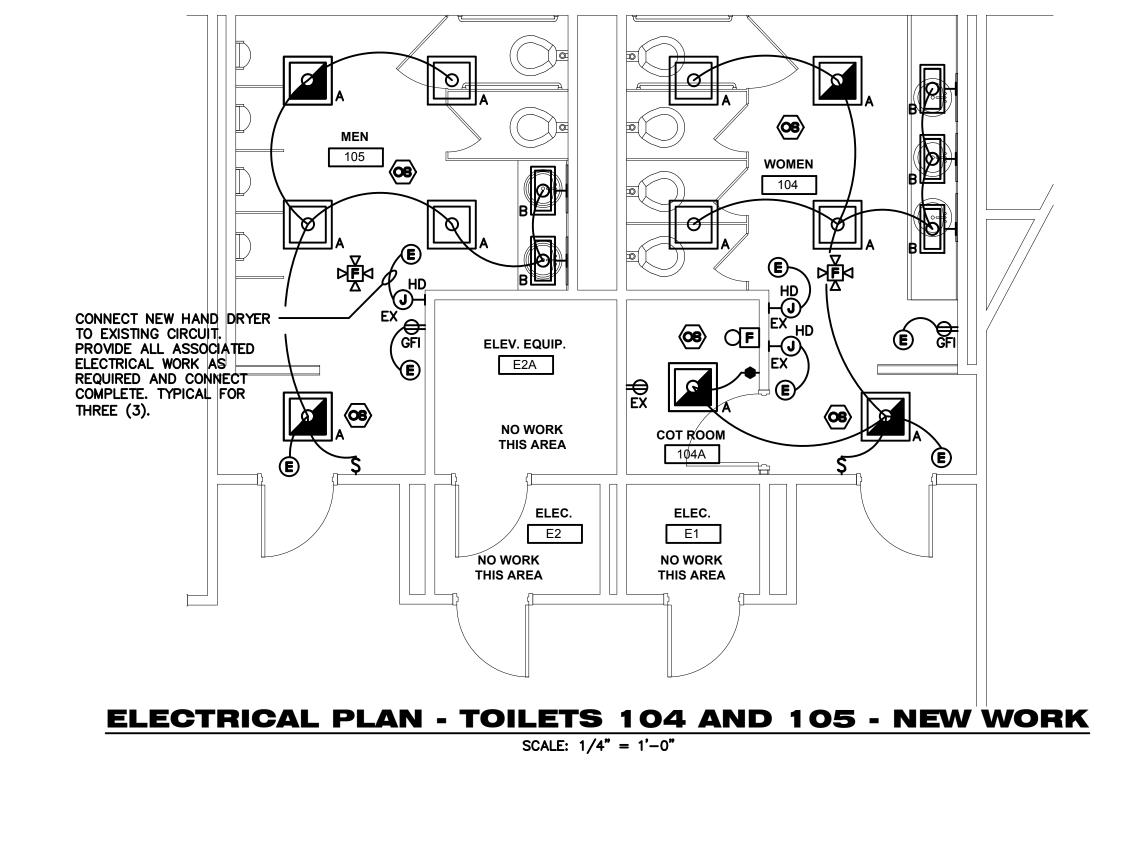
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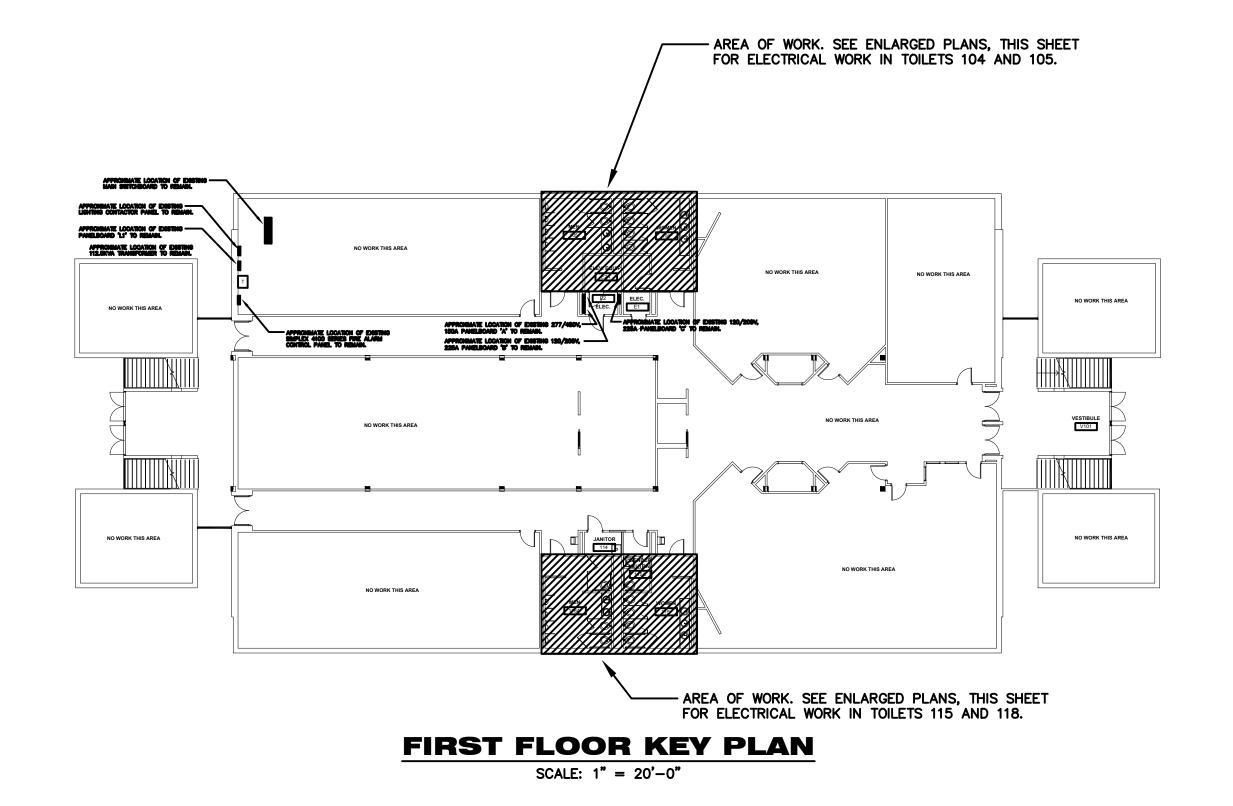
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CONNECT NEW HAND DRYER TO EXISTING CIRCUIT.
PROVIDE ALL ASSOCIATED
ELECTRICAL WORK AS
REQUIRED AND CONNECT
COMPLETE. TYPICAL FOR
TWO (2).

NEUTRAL 115A





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PROJECT NUMBER 20084 SHEET NUMBER E100

SHEET NAME **NEW WORK** 

C

**ELECTRICAL PLANS -**DATE **01/29/2021** 

1/21/2021

2021

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