

310 George Washington Highway F 401-232-5080 WWW.ARCH-ENG.COM

CONSULTANT:

ELECTRICAL & PLUMBING



Andre Gill Engineering, LLC 40 Overlea Road North Smithfield, Rhode Island 02916 T 4 0 1 - 4 4 1 - 3 4 1 4 andregillengineering.com

COMMUNITY COLLEGE OF RHODE ISLAND

CCRI RESTROOMS RENOVATIONS AT KNIGHTCAMPUS

400 EAST AVENUE - WARWICK/RI 02886 - KENT COUNTY

JANUARY 08, 2021 REV#1: AUG 23, 2021 ISSUED FOR CONSTRUCTION

INDEX OF DRAWINGS

* DWGS TO BE PRINTED IN COLOR

ISSUE DATE	DWG NO.	DESCRIPTION	<u>REV 1</u>
01/08/2021	CS1.0	CODE STUDY	
01/08/2021	X1.0*	MAIN BLDG EXIST GROUND FLOOR KEY PLAN AND PHASING	
01/08/2021	X1.1*	MAIN BLDG EXIST FIRST FLOOR KEY PLAN AND PHASING	
01/08/2021	X1.2*	MAIN BLDG EXIST SECOND FLOOR KEY PLAN AND PHASING	
01/08/2021	X1.3*	MAIN BLDG EXIST THIRD FLOOR KEY PLAN AND PHASING	
01/08/2021	X1.4*	MAIN BLDG EXIST FOURTH FLOOR KEY PLAN AND PHASING	
01/08/2021	X1.5*	MAIN BLDG EXIST FIFTH FLOOR KEY PLAN	
01/08/2021	X1.6*	MAIN BLDG EXIST SIXTH FLOOR KEY PLAN AND PHASING	
01/08/2021	X2.0*	FIELD HOUSE EXIST KEY FLOOR PLANS AND PHASING	
01/08/2021	D1.1	MAIN BLDG - GRD & 1ST FLOOR RESTROOMS DEMOLITION FLOOR PLANS	
01/08/2021	D1.2	MAIN BLDG - 2ND, 3RD, 4TH & 6TH FLOOR RESTROOMS DEMOLITION FLOOR PLANS	
01/08/2021	D1.3	MAIN BLDG - GRD & 1ST FLOOR RESTROOMS DEMOLITION CEILING PLANS	
01/08/2021	D1.4	MAIN BLDG - 2ND, 3RD, 4TH & 6TH FLOOR RESTROOMS DEMOLITION CEILING PLANS	
01/08/2021	D2.1	FIELD HOUSE - 1ST & 2ND FLOOR REST AND LOCKER ROOMS DEMOLITION FLOOR PLANS	
01/08/2021	D2.2	FIELD HOUSE - GROUND FLOOR REST AND LOCKER ROOMS DEMOLITION FLOOR PLANS	
01/08/2021	A1.1	MAIN BLDG - GRD & 1ST FLOOR RESTROOMS FLOOR PLANS	
01/08/2021	A1.2	MAIN BLDG - 2ND, 3RD, 4TH & 6TH FLOOR RESTROOMS FLOOR PLANS	X
01/08/2021	A1.3	MAIN BLDG - GRD & 1ST FLOOR RESTROOMS REFLECTED CEILING PLANS	
01/08/2021	A1.4	MAIN BLDG - 2ND, 3RD, 4TH & 6TH FLOOR RESTROOMS REFLECTED CEILING PLANS	
01/08/2021	A2.1	FIELD HOUSE - 1ST & 2ND FLOOR REST AND LOCKER ROOMS FLOOR PLANS	
01/08/2021	A2.2	FIELD HOUSE - GROUND FLOOR REST AND LOCKER ROOMS FLOOR PLANS	
01/08/2021	A2.3	FIELD HOUSE - 1ST & 2ND FLOOR REST AND LOCKER ROOMS REFLECTED CEILING PLANS	
01/08/2021	A2.4	FIELD HOUSE - GROUND FLOOR REST AND LOCKER ROOMS REFLECTED CEILING PLANS	
01/08/2021	A3.1	MASTER DOOR SCHEDULE & DETAILS	X
01/08/2021	A4.1	MASTER FINISHES SCHEDULE AND MOUNTING DETAILS	
01/08/2021		PLUMBING DRAWINGS* - SEE P0.0.1 FOR INDEX	X
01/08/2021		ELECTRICAL DRAWINGS - SEE E0.0.1 FOR INDEX	X
* DWCS TO BE D			

Warwick, RI 02886 Kent County

PROJECT DATA

CODES, RULES, REGULATIONS

FEDERAL, STATE AND MUNICIPAL LAWS

WARWICK, RHODE ISLAND RULES AND/OR REGULATIONS RHODE ISLAND STATE BUILDING CODE - REGULATION SBC-I

(REF: INTERNATIONAL BUILDING CODE, 2015 ED)

SRC-I: STATE OF RHODE ISLAND REHABILITAION BUILDING AND FIRE CODE FOR EXISTING BUILDINGS AND STRUCTURES.

RI FIRE SAFETY CODE (REF: NFPA | UNIFORM FIRE CODE & NFPA |O| LIFE SAFETY CODE 2015 ED)

FURN

GYP BD

FURNITURE

GALVINIZED

GUARDRAIL

HARDWOOD

GYPSUM BOARD

GAUGE

ANSI 1171-1 2017 W/ RI STATE BUILDING CODE SBC-17 (2015)

ABBREWIATION INDEX

CONC

CONT

CONST

DIA/Φ

CONCRETE

CONTINUOUS

CONSTRUCTION

DEPARTMENT

DETAIL

DIAMETER

VIOLATIONS OF OR CLAIMS UNDER THIS ACT.

ALL CONTRACTORS AND SUBCONTRACTORS SHALL COMPLY WITH REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 OR REVISIONS THERETO, WHICH ARE APPLICABLE DURING THE TERM OF THIS CONTRACT AND HOLD THE OWNER AND/OR HIS/HER AGENTS HARMLESS FROM ANY CLAIM OR LOSS THAT MAY RESULT FROM

GRAPHIC SYMBOLS INTERIOR ELEVATION KEYED PLAN NOTES NUMBER/SHEET EXISTING WALL SECTION OR DETAIL KEY AX.X NUMBER/SHEET

TOSL

TOP OF SLAB

EXIST HANDRAIL

RADIUS

DETERMINED

TOP OF PLATE

TOP OF STEEL

TELEPHONE

THICK

TOS

THROUGH

RAD

		 									
@	AT	DISP	DISPENSER	HM	HOLLOW METAL	00	ON CENTER	REF	REFRIGERATOR	TRT	TREATED
A/C	AIR CONDITIONING	DN	DOWN	HORIZ	HORIZONTAL	OCH	ON CENTER	REINF	REINFORCING	TYP	TYPICAL
AF	ABOVE FLOOR	DR	DOOR	HGT	HEIGHT		HORIZONTALLY	REV	REVISION	UNO	UNLESS NOTED
ALUM	ALUMINUM	DS	DOWNSPOUT	HR	HANDRAIL	000	ON CENTER	REQD	REQUIRED	1	OTHERWISE
ALT	ALTERNATE	DMG	DRAWING	ID	INSIDE DIAMETER		VERTICALLY	RES	RESILIENT	V₿	VINYL BASE
APPROX	APPROXIMATE	EA	EACH	INSUL	INSULATION	OD	OUTSIDE	RM	ROOM	VCT	VINYL
BD	BOARD	EL	ELEVATION	INT	INTERIOR		DIAMETER	RO	ROUGH OPENING		COMPOSITION TILE
B G	BELOW GRADE	ELEC	ELECTRICAL	TL	TAIOL	OPNG	OPENING	SCHED	SCHEDULE	VERT	VERTICAL
BLDG	BUILDING BEAM	EQ	EQUAL	KIT	KITCHEN	OPT	OPTIONAL	SEC	SECTION	VI F	VERIFY IN FIELD
BM	BSMT BASEMENT	EQUIP	EQUIPMENT	LAM	LAMINATE	PL	PLATE	SF	SQUARE FOOT	VMC	VINYL WALL
BTMN	BETMEEN	ETR	EXIST TO REMAIN	LAV	LAVATORY	PLAM	PLASTIC	SHT	SHEET		COVERING
BOT	BOTTOM	EXIST	EXISTING	LT	LIGHT		LAMINATE	SIM	SIMILAR	m/	MITH
C/L	CENTER LINE	EXT	EXTERIOR	MAS	MASONRY	PLUMB	PLUMBING	SPEC	SPECIFICATION	MC	WATER CLOSET
CT	CERAMIC TILE	FCB	FIBER CEMENT BD	MAX	MAXIMUM	PLYMD	PLYWOOD	sa	SQUARE	MD	WOOD
CLG	CEILING	FD	FLOOR DRAIN	MECH	MECHANICAL	PR	PAIR	55	STAINLESS STEEL	W/O	MITHOUT
CLO	CLOSET	FIN	FINISH	MTL	METAL	PROP	PROPERTY	STD	STANDARD	MP	WATERPROOFING
CM	CONSTRUCTION	FL.	FLOOR	MANUF	MANUFACTURER	PSF	PER SQUARE	STL	STEEL	MT	MEIGHT
	MGR	FO	FACE OF	MIN	MINIMUM		FOOT	STRUCT	STRUCTURAL	NWE	WELDED WIRE
CMU	CONC MASONRY	FR	FIRE RETARDANT	MISC	MISCELLANEOUS	PSI	PER SQUARE INCH	SUSP	SUSPENDED		FABRIC
6 Ol	UNIT	FT	FOOT	MO	MASONRY	PT	PRESSURE	TBD	TO BE	XGR	EXIST GUARDRAIL
COL	COLUMN				OPENING		TREATED		DETERMINED	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	EXICT HANDSAIL

OVERALL

TREATED

PAINTED

POLY VINYL

QUARRY TILE

CHLORIDE

QUANTITY

0A

QT

QTY

HEADER

OPENING

MOUNTED

NUMBER

NOMINAL

NOT IN CONTRACT

NOT TO SCALE

NIC

NTS

* | PER 25 FOR THE FIRST 50 AND | PER 50 FOR THE REMAINDER EXCEEDING 50

** URINALS SHALL NOT BE SUBSTITUTED FOR MORE THAN 50% OF THE REQUIRED WATER CLOSETS *** | PER 40 FOR THE FIRST 80 AND | PER 80 FOR THE REMAINDER EXCEEDING 80

PLUMBING: 2015 IBC (TABLE 2902.1) / 2015 IPC (TABLE 403.1)								
RESTROOMS SERVING	FIXTURE TYPE	GENDER	OCCUPANTS	EXISTING FIXTURES	MIN. FIXTURES REQUIRED	FIXTURES PROVIDED	RELATED REST AND LOCKER ROOMS	
<u>GROUND</u> <u>FLOOR</u>	MATER CLOSETS	FEMALE*	879 (50%)	4	22	23	MOMEN: 7010, 7020, 7030, \$ 7040	
CONSIDERING THE MOST		MALE**	879 (50%)	Э	6	6	MEN: 7070, 7080 \$ 7090	
POPULAR SCENERY (SEE NOTE #1 BELOW)	URINALS	MALE***		Э	6	6		
	LAVATORIES	FEMALE***	879 (50%)	3	6	12		
		MALE****	879 (50%)	2	5	6		

* | PER 40 FOR THE FIRST 1,520 AND | PER 60 FOR THE REMAINDER EXCEEDING 1,520

** | PER 75 FOR THE FIRST 1,500 AND | PER 120 FOR THE REMAINDER EXCEEDING 1,500

*** URINALS SHALL NOT BE SUBSTITUTED FOR MORE THAN 50% OF THE REQUIRED WATER CLOSETS

**** | PER 150 ***** | PER 200

FIELD HOUSE OCCUPANT LOAD CALCULATION:

I. <u>GROUND FLOOR</u>:

BLEACHERS: → 2,451 LINEAR FOOT / 18" PER PERSON = 1,634 OCCUPANTS

BASKETBALL COURT (FUNCTION OF SPACE = EXERCISE ROOM): → 6,200 SF / 50 GROSS = 124 OCCUPANTS

2. FIRSR & SECOND FLOORS:

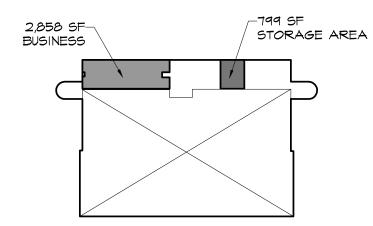
BUSINESS AREAS:

 \rightarrow IST FLOOR = 6,850 SF / 100 GROSS = 69 OCCUPANTS \rightarrow 2ND FLOOR = 6,747 SF / 100 GROSS = 68 OCCUPANTS

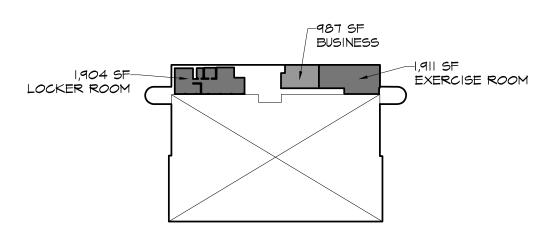
→ TOTAL = 137 OCCUPANTS

I. GROUND FLOOR OCCUPANCY CALCULATION BASED ON BASKETBALL MATCH W/ FULL BLEACHERS.

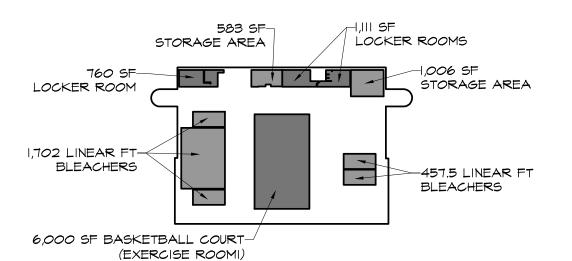
2. OCCUPANT LOAD FACTORS PER 2015 IBC - TABLE 1004.1.2



SECOND FLOOR MIXED USE AND OCCUPANCY AS SHOWN



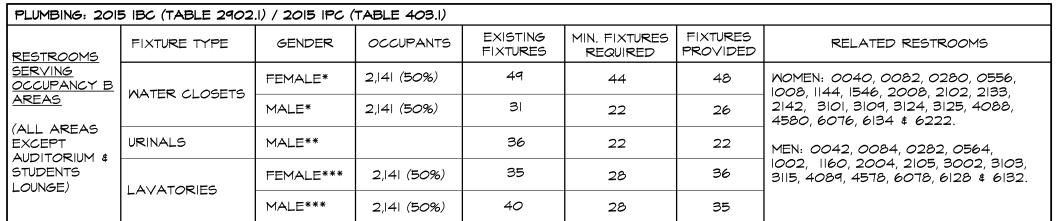
FIRST FLOOR MIXED USE AND OCCUPANCY AS SHOWN



<u>GROUND FLOOR</u>

MIXED USE AND OCCUPANCY AS SHOWN





* | PER 25 FOR THE FIRST 50 AND | PER 50 FOR THE REMAINDER EXCEEDING 50

** URINALS SHALL NOT BE SUBSTITUTED FOR MORE THAN 50% OF THE REQUIRED WATER CLOSETS

*** | PER 40 FOR THE FIRST 80 AND | PER 80 FOR THE REMAINDER EXCEEDING 80

PLUMBING: 2015 IBC (TABLE 2902.1) / 2015 IPC (TABLE 403.1)								
	FIXTURE TYPE	GENDER	OCCUPANTS	EXISTING FIXTURES	MIN. FIXTURES REQUIRED	FIXTURES PROVIDED	RELATED RESTROOMS	
RESTROOMS SERVING	WATER CLOSETS	FEMALE*	475 (50%)	9	8	9	MOMEN: 2544, 3008 \$ 4008	
OCCUPANCY A-I	MATER CLOSETS	MALE*	475 (50%)	3	2	m	MEN: 2542 \$ 4002	
— (AUDITORIUM)	URINALS	MALE**		5	2	4		
	LAVATORIES	FEMALE***	475 (50%)	7	3	7		
	LAVATORIES	MALE***	475 (50%)	6	3	6		

* I PER 65 FOR FEMALE ** | PER | 25 FOR MALE

*** URINALS SHALL NOT BE SUBSTITUTED FOR MORE THAN 50% OF THE REQUIRED WATER CLOSETS

**** | PER 200 FOR MALE & FEMALE

PLUMBING: 2015 IBC (TABLE 2902.1) / 2015 IPC (TABLE 403.1)								
	FIXTURE TYPE	GENDER	OCCUPANTS	EXISTING FIXTURES	MIN. FIXTURES REQUIRED	FIXTURES PROVIDED	RELATED RESTROOMS	
RESTROOMS SERVING	WATER CLOSETS	FEMALE*	143 (50%)	5	3	4	WOMEN:1102	
OCCUPANCY A-3 (STUDENTS LOUNGE)	MATER CLOSETS	MALE*	143 (50%)	2	2	2	MEN:1108	
	URINALS	MALE**		4	I	2		
	LAVATORIES	FEMALE***	143 (50%)	з	I	3		
		MALE***	143 (50%)	3		3		

* | PER 65 FOR FEMALE ** | PER | 25 FOR MALE

*** URINALS SHALL NOT BE SUBSTITUTED FOR MORE THAN 50% OF THE REQUIRED WATER CLOSETS

**** | PER 200 FOR MALE & FEMALE

MAIN BUILDING OCCUPANT LOAD CALCULATION:

BUSINESS AREAS (B):

→ 428,074 SF / 100 GROSS = 4,281 OCCUPANTS

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

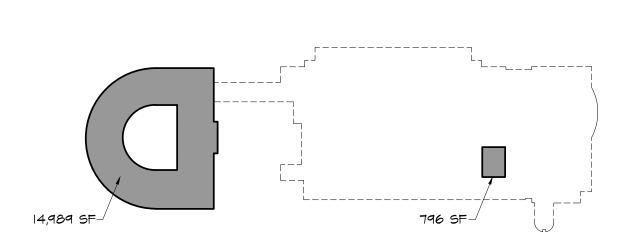
→ AUDITORIUM (ASSEMBLY W/ 950 FIXED SEATS) = 950 OCCUPANTS

ASSEMBLY AREAS (A-3):

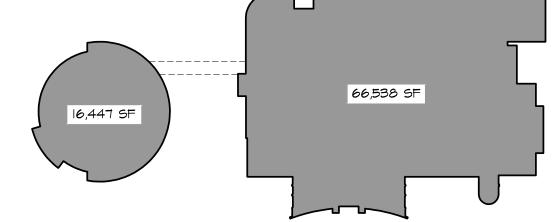
→ STUDENTS LOUNG (ASSEMBLY UNCONCENTRATED / TABLES & CHAIRS) = 4,288 SF / 15 NET = 286 OCCUPANTS



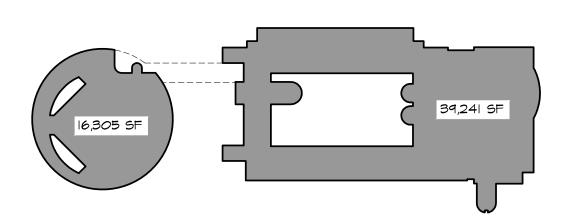
SIXTH FLOOR BUSINESS OCCUPANCY CLASSIFICATION (TOTAL AREA) = 75,086 SF



<u>FIFTH FLOOR</u> BUSINESS OCCUPANCY CLASSIFICATION (TOTAL AREA) = 15,785 SF

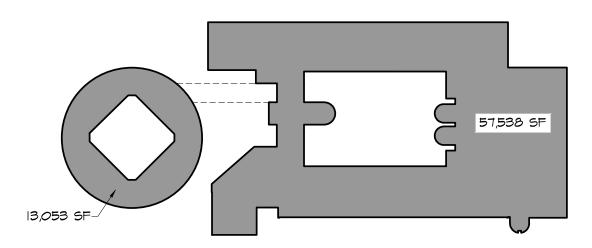


MAIN BUILDING AREAS / PLUMBING SCHEDULES

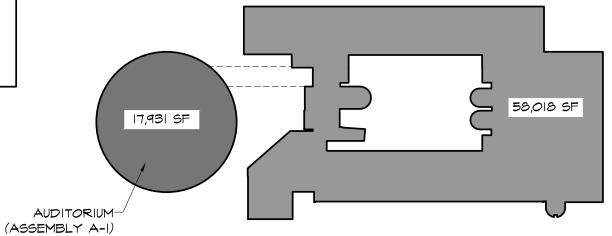


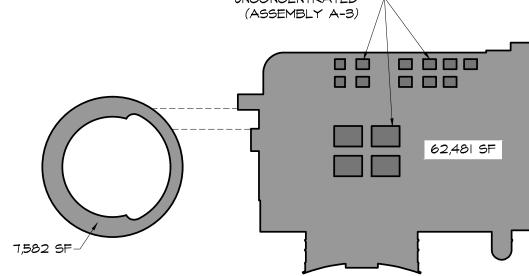
FOURTH FLOOR

BUSINESS OCCUPANCY CLASSIFICATION (TOTAL AREA) = 55,546 SF



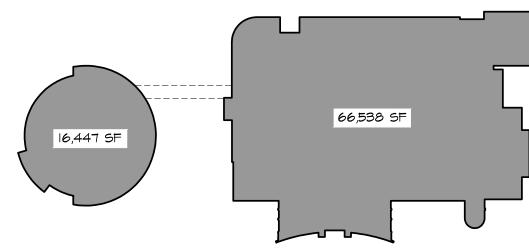
BUSINESS OCCUPANCY CLASSIFICATION (TOTAL AREA) = 70,591 SF





FIRST FLOOR

BUSINESS OCCUPANCY CLASSIFICATION = 70,063 SF UNCONCENTRATED ASSEMBLY AREAS (TABLES & CHAIRS) = 4,288 SF TOTAL AREA = 74,351 SF



<u>GROUND FLOOR</u> BUSINESS OCCUPANCY CLASSIFICATION (TOTAL AREA) = 82,985 SF

DRAWING NUMBER

SECOND FLOOR BUSINESS OCCUPANCY CLASSIFICATION = 58,018 SF ASSEMBLY AREA (950 FIXED SEATS) = 17,931 SF TOTAL AREA = 75,949 SF UNCONCENTRATED-

FOR CONSTRUCTION

PROJECT TITLE

REVISIONS

NUMBER



AHARONIAN

& ASSOCIATES INC.

ARCHITECTS

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PROPERLY AUTHORIZED BY CONTRACT WITHOUT THE EXPRESS WRITTEN AUTHORIZATION OF THE ARCHITECT.

REMARKS

KEYPLAN N

DATE

Smithfield, Rhode Island

BATHROOM RENOVATIONS KNIGHT CAMPUS

400 EAST AVE WARWICK, RI 02886 Kent County

DRAWING TITLE

CODE STUDY

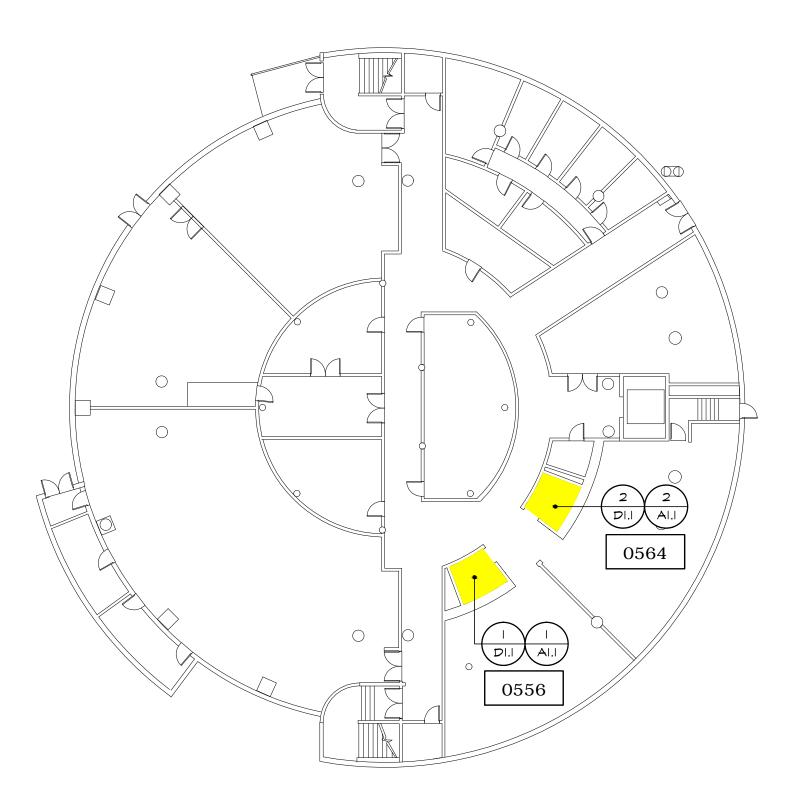
PROJ NO JAN 08, 2021 CHECKED BY

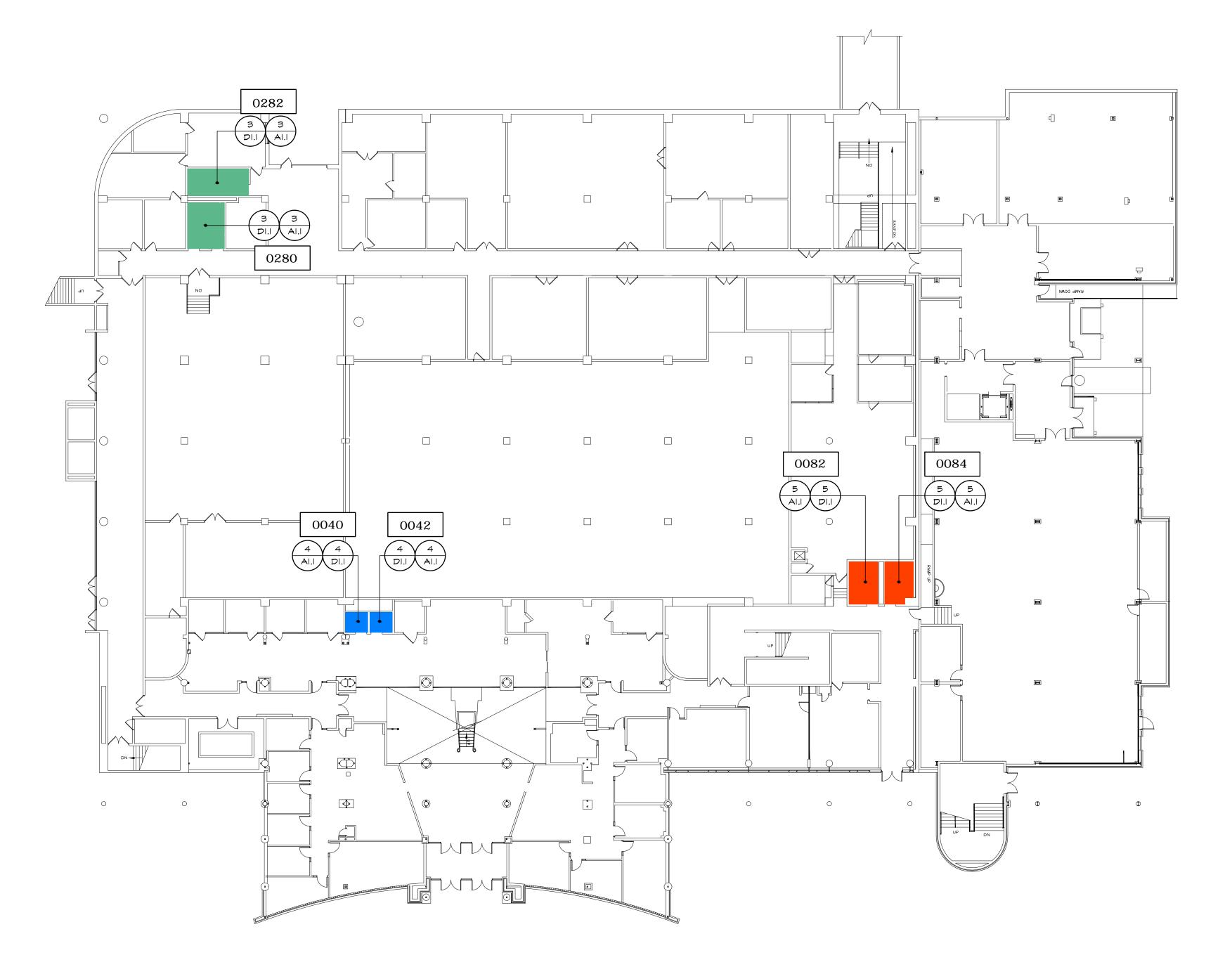
GENERAL NOTES FOR DEMOLITION & CONSTRUCTION

- I. GC SHALL COORDINATE BETWEEN ALL TRADES AND INCLUDE IN THE BASE CONTRACT ALL CUTTING AND PATCHING OF WALL CONSTRUCTION REQUIRED TO COMPLETE THE WORK AS OUTLINED THROUGHOUT THE CONTRACT DOCUMENTS. THE ARCHITECTURAL DRAWINGS ALONE DO NOT PROVIDE FOR EVERY INSTANCE THIS WORK AS REQUIRED. THE INTENT OF THESE DRAWINGS ARE FOR ALL SANITARY WASTE PIPING AND DOMESTIC WATER SUPPLY/RECIRCULATION PIPING TO BE CONCEALED WITHIN WET WALLS AND PARTITIONS. ADDITION FEES WILL NOT BE APPROVED BASED ON FAILURE TO COORDINATE THIS WORK BETWEEN TRADES.
- ALL PARTITIONS THAT ARE DISTURBED IN THE SCOPE OF THIS PROJECT SHALL BE PATCHED, CONSTRUCTED OR INFILLED AS REQUIRED TO PROVIDE A FINISHED SURFACE TO MATCH ADJACENT CONSTRUCTION.
- 3. GC SHALL COORDINATE BETWEEN ALL TRADES AND INCLUDE IN THE BASE CONTRACT ALL REQUIRED SLAB CORING, CUTTING, TRENCHING OR REPAIR WORK REQUIRED TO COMPLETE THE WORK AS OUTLINED THROUGHOUT THE CONTRACT DOCUMENTS. THE ARCHITECTURAL DRAWINGS ALONE DO NOT PROVIDE FOR EVERY INSTANCE THIS WORK IS REQUIRED. ADDITION FEES WILL NOT BE APPROVED BASED ON FAILURE TO COORDINATE THIS WORK BETWEEN TRADES.
- 4. GC SHALL X-RAY ALL FLOOR SLABS PRIOR TO CUTTING, CORING OR TRENCHING.

GENERAL NOTE FOR PHASING

I. THE HOT WATER RECIRCULATION SCOPE SHALL BE PHASED IN CONJUNCTION WITH THE RESTROOM RENOVATION PHASING PLAN. ALL HOT WATER RECIRCULATION PIPING RUNS & FIXTURE WORK SHALL BE COMPLETED IN THE SAME PHASE AS THE ASSOCIATED HOT WATER RECIRCULATION RISER AND SANITARY WASTE RISER.







AHARONIAN
& ASSOCIATES INC.
ARCHITECTS

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Smithfield, Rhode Island
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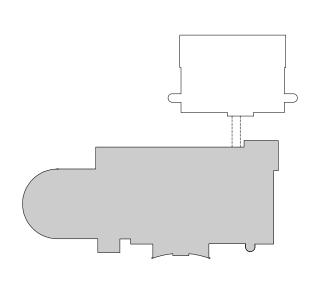
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KEYPLAN N

EVISIONS		
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NUMBER	REMARKS	DATE

FOR CONSTRUCTION

PROJECT II



BATHROOM RENOVATIONS
KNIGHT CAMPUS

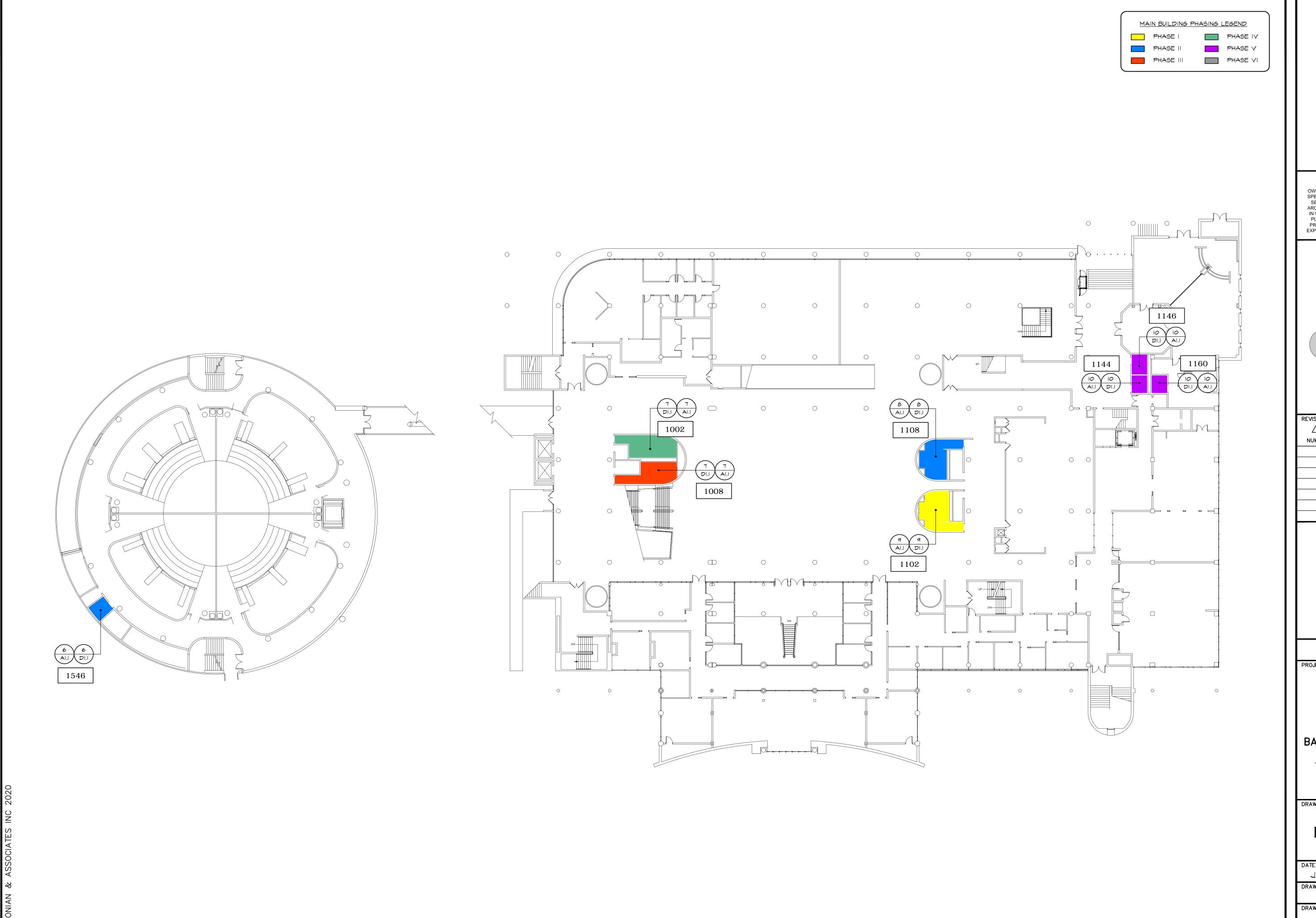
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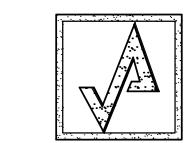
MAIN BLDG GRD
FLOOR KEY PLAN
AND PHASING

DATE	PROJ NO	
JAN 08, 2021		19158
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AL		DH

DRAWING NUMBER

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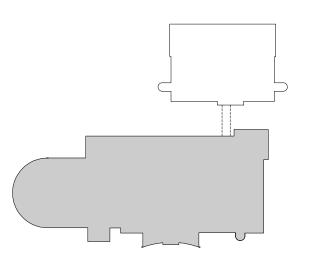


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KEYPLAN N

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NUMBER	REMARKS	DATE

FOR CONSTRUCTION



BATHROOM RENOVATIONS KNIGHT CAMPUS

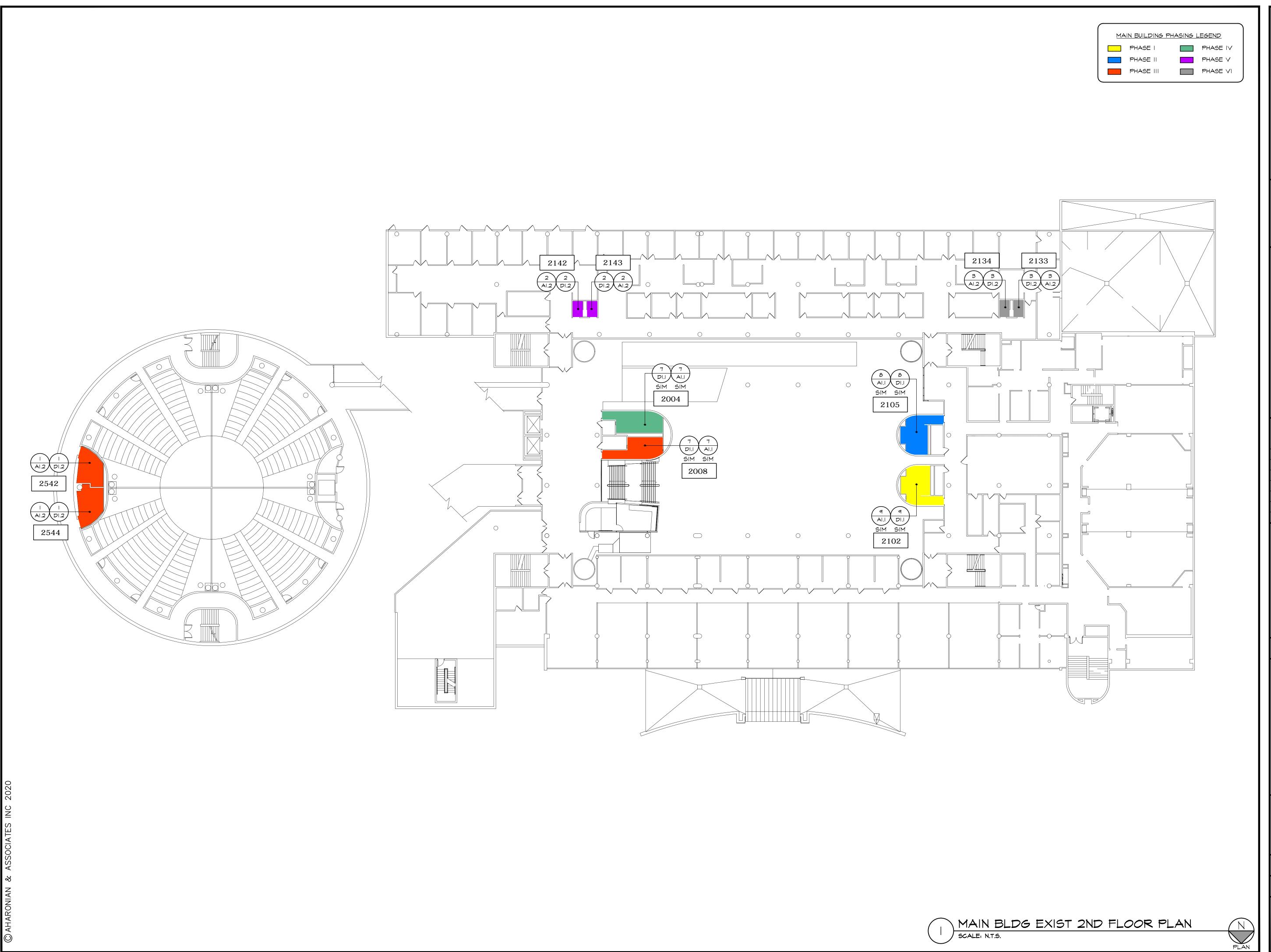
> 400 EAST AVE WARWICK, RI 02886 Kent County

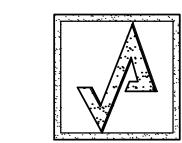
MAIN BLDG 1ST FLOOR KEY PLAN AND PHASING

DATE	PROJ NO	
JAN 08, 2021		19158
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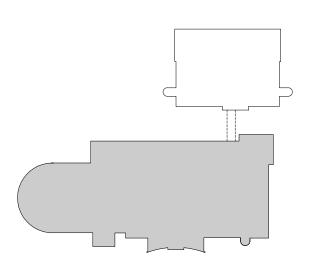


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KEYPLAN (N)

	17211	
REVISIONS		
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NUMBER	REMARKS	DATE

FOR CONSTRUCTION



BATHROOM RENOVATIONS KNIGHT CAMPUS

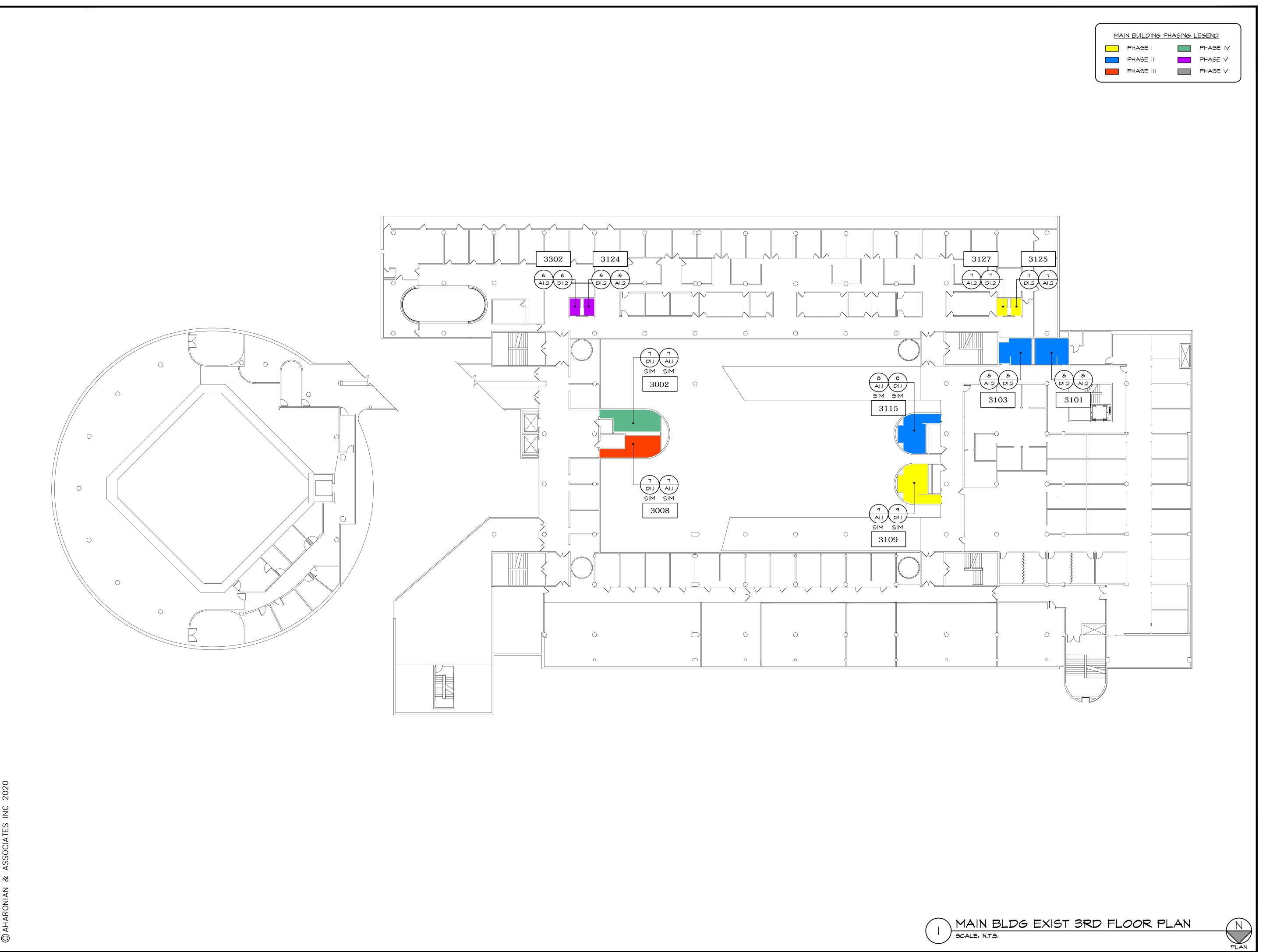
> 400 EAST AVE WARWICK, RI 02886 Kent County

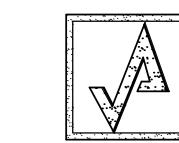
MAIN BLDG 2ND

FLOOR KEY PLAN AND PHASING
PROJ NO

JAN 08, 202	11100 110	19158
DRAWN BY	CHECKED BY	DH
DRAWING NUMBER		







310 George Washington Highway
Suite 100

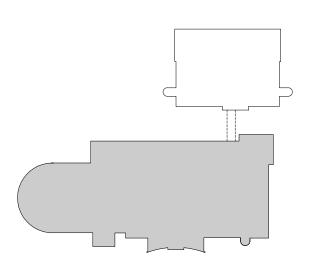
Smithfield, Rhode Island
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F 4 0 1 - 2 3 2 - 5 0 8 0

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KEYPLAN (N)

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NUMBER	REMARKS	DATE

FOR CONSTRUCTION

PROJECT II



BATHROOM RENOVATIONS KNIGHT CAMPUS

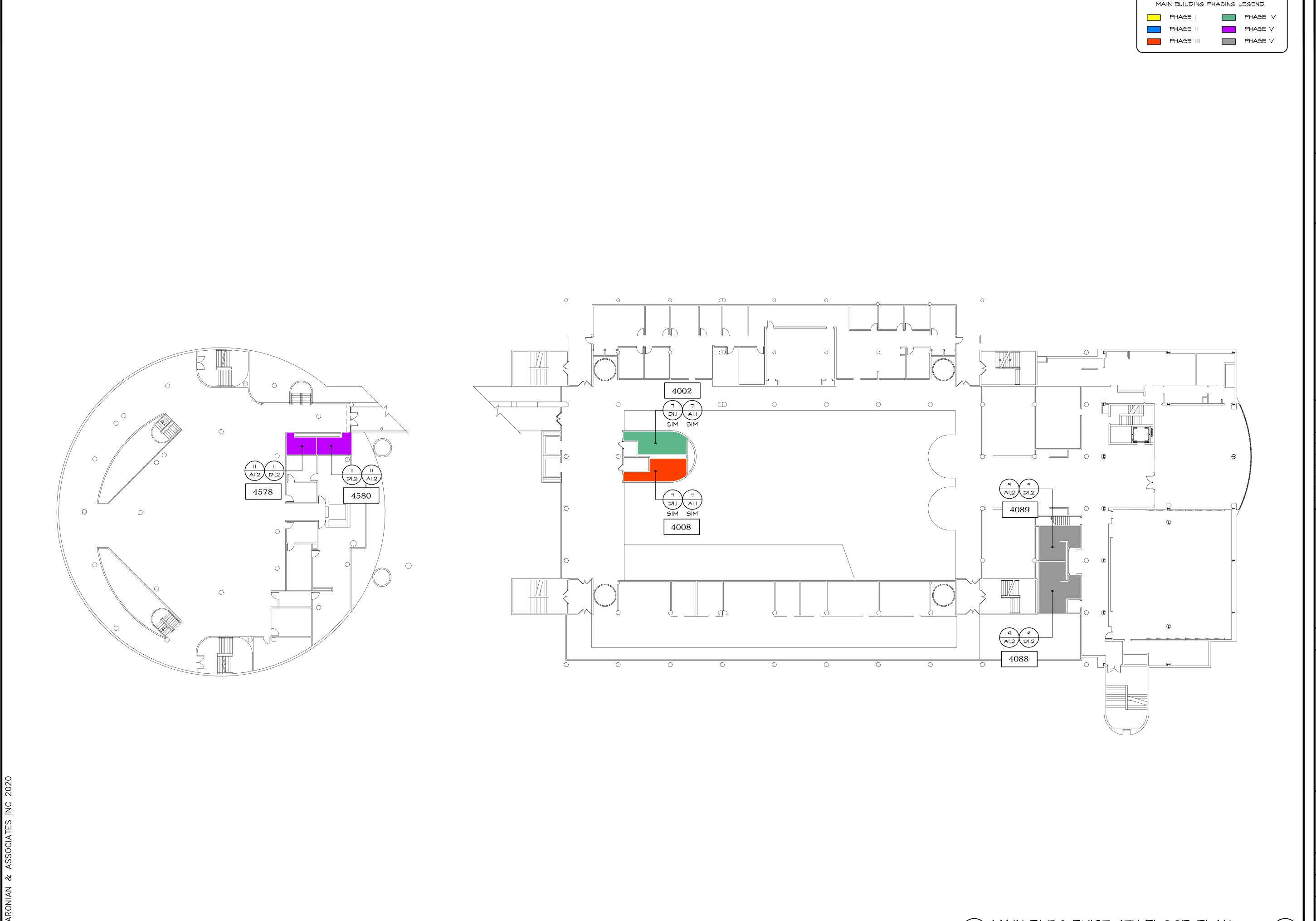
400 EAST AVE WARWICK, RI 02886 Kent County

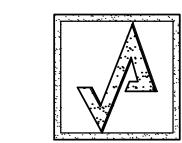
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Smithfield, Rhode Island

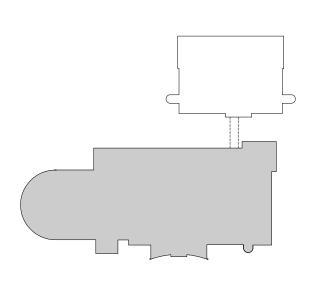
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PROJECT II



BATHROOM RENOVATIONS
KNIGHT CAMPUS

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MAIN BLDG 4TH
FLOOR KEY PLAN
AND PHASING

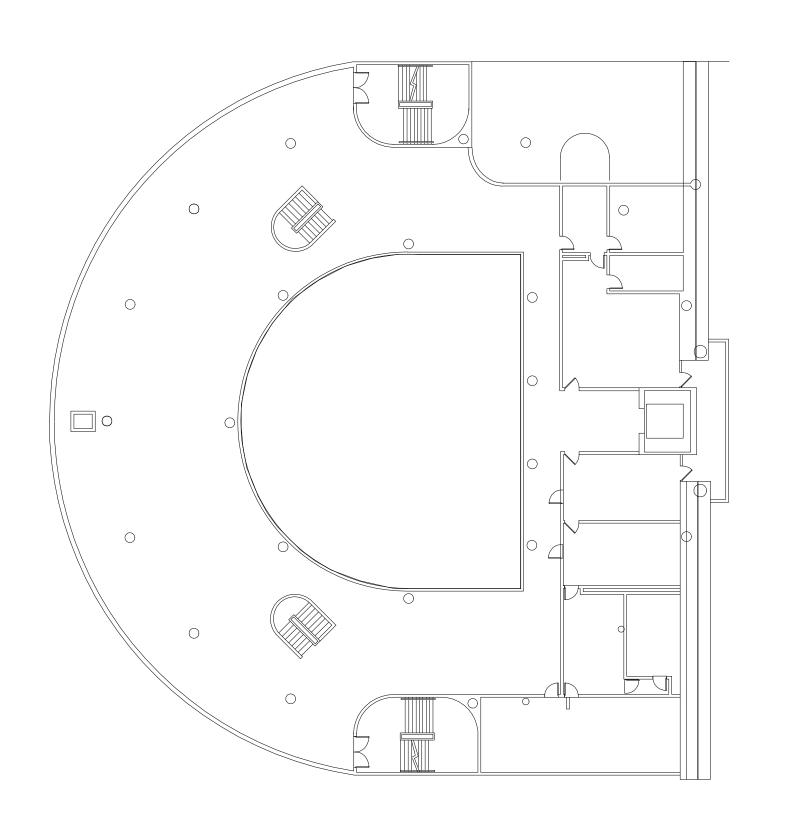
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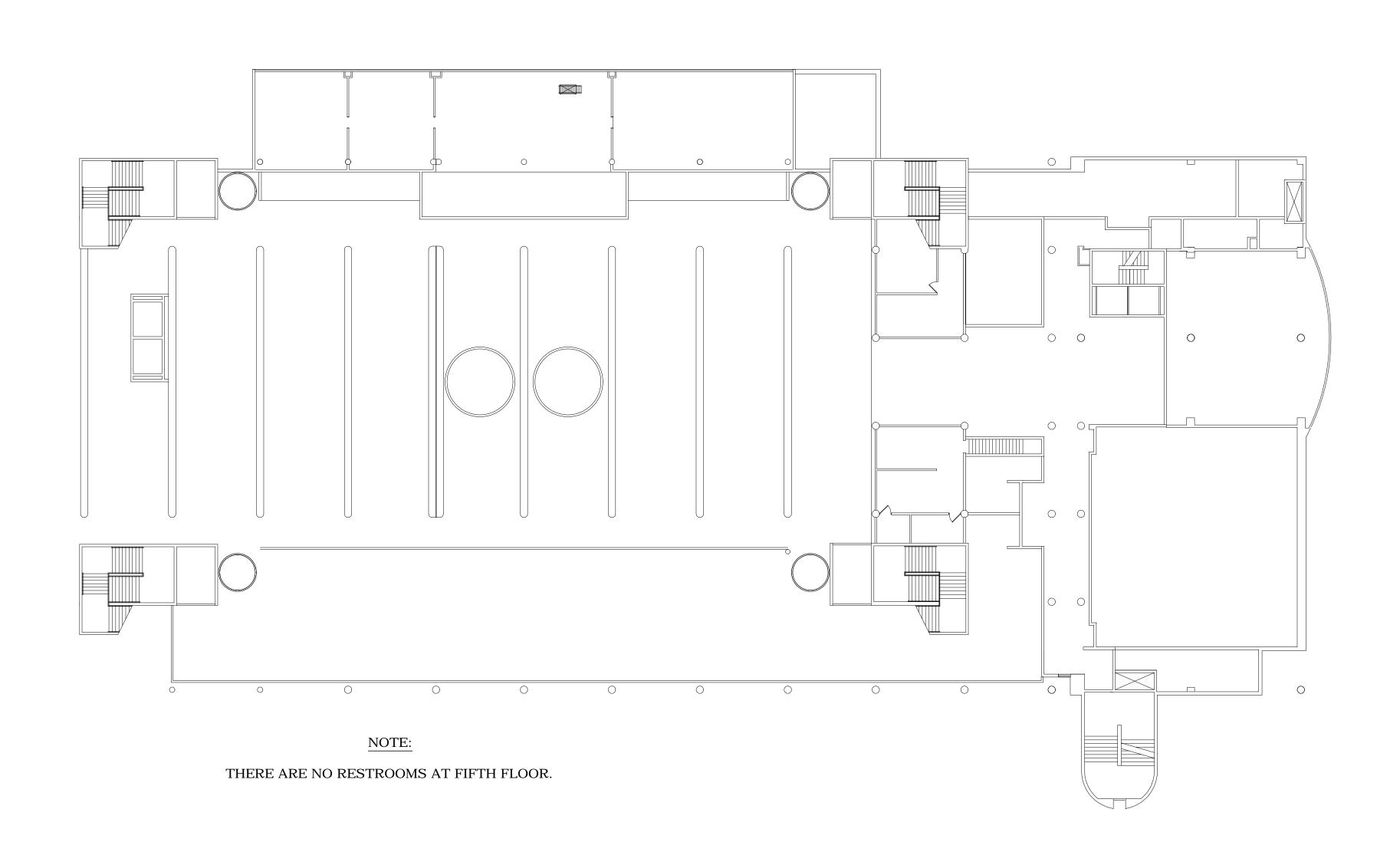
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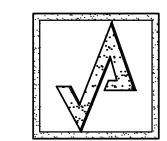
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MAIN BLDG EXIST 4TH FLOOR PLAN

SCALE: N.T.S.







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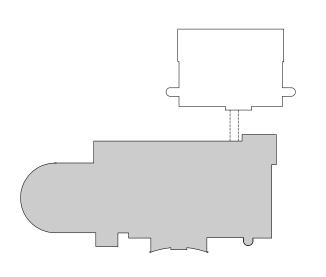
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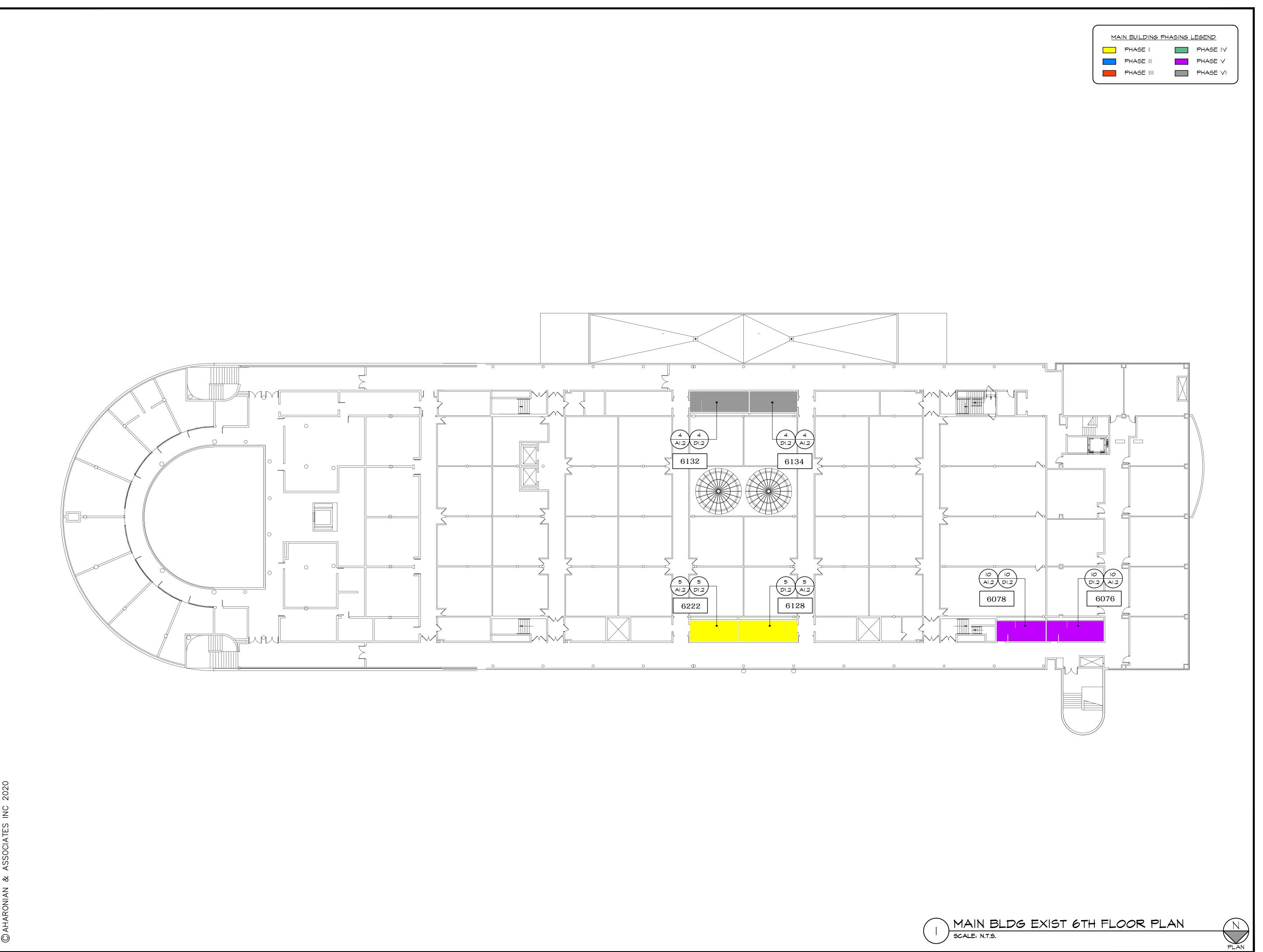
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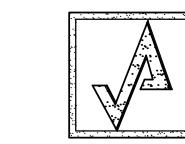
MAIN BLDG 5TH FLOOR KEY PLAN

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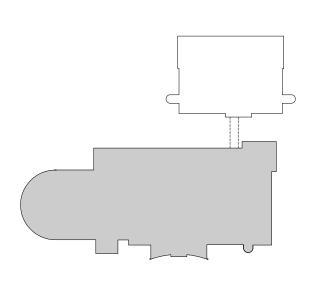
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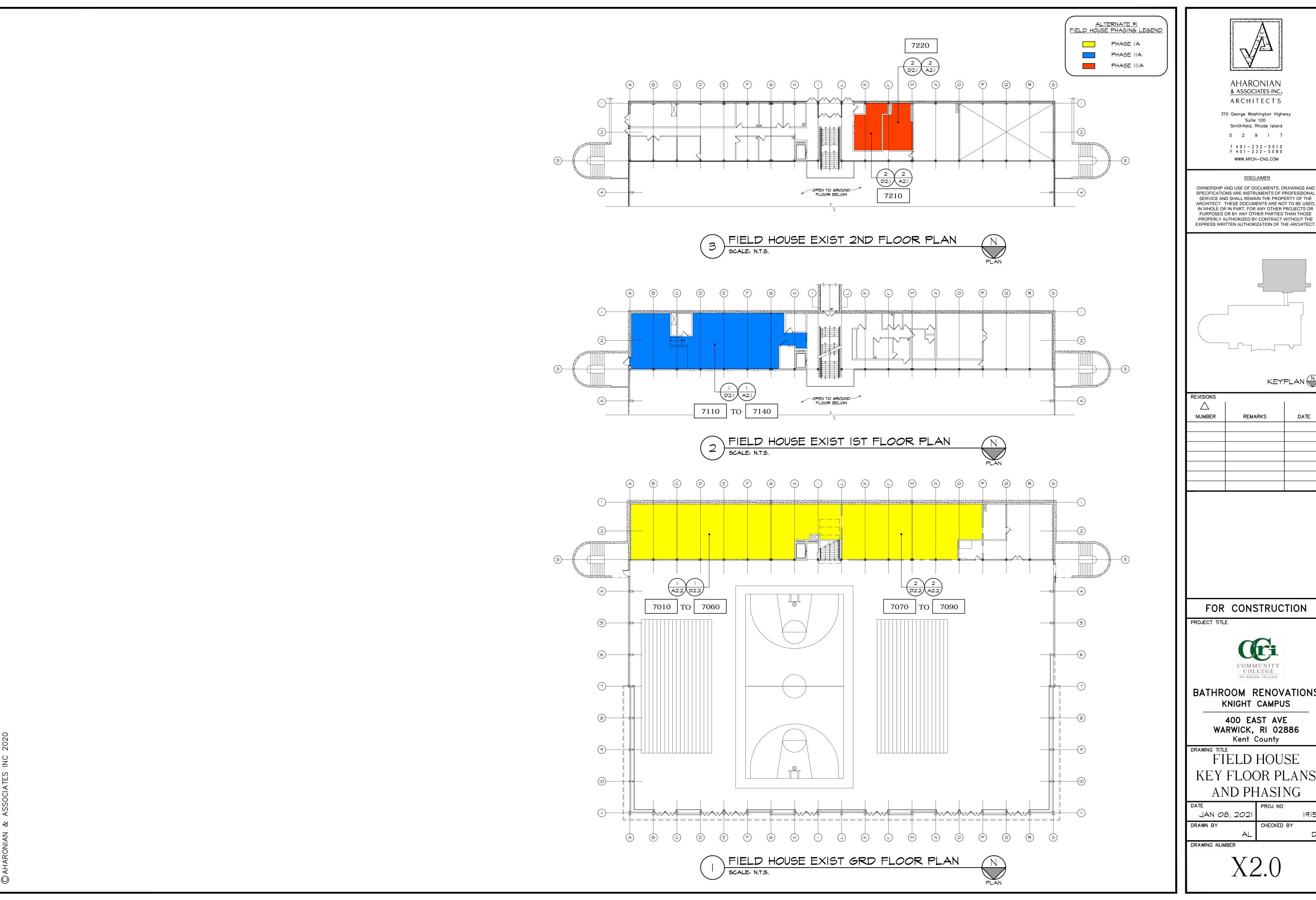
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MAIN BLDG 6TH
FLOOR KEY PLAN
AND PHASING

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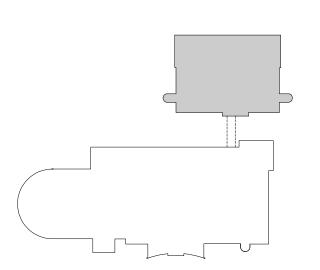


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FIELD HOUSE KEY FLOOR PLANS

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GENERAL DEMOLITION NOTES

PROTECTION

- I) ALL RULES AND REGULATIONS GOVERNING THE RESPECTIVE UTILITIES SHALL BE OBSERVED IN EXECUTING ALL WORK UNDER THIS SECTION. ALL WORK SHALL BE EXECUTED IN SUCH A MANNER AS TO PREVENT ANY DAMAGE TO THE EXISTING BUILDING, SERVICE UTILITY LINES AND
- 2) THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR DAMAGES TO THE EXISTING BUILDING AS WELL AS ADJOINING PRIVATE SPACES AND PROPERTY CAUSED BY HIS SUBCONTRACTOR'S EQUIPMENT AND PERSONNEL.
- 3) PERFORM THE WORK IN SUCH A MANNER AS TO CAUSE NO INTERFERENCE WITH ACCESS BY THIS SUBCONTRACTOR OR OTHER CONTRACTORS TO ALL PORTIONS OF THE BUILDING AS NECESSARY FOR THE NORMAL CONDUCT OF THEIR WORK.
- 4) THE CONTRACTOR SHALL NOT COMMENCE WORK UNTIL ITEMS SCHEDULED TO REMAIN HAVE BEEN ADEQUATELY PROTECTED. TAKE ALL POSSIBLE PRECAUTIONS TO AVOID DAMAGING THOSE ITEMS WHICH HAVE BEEN SPECIFIED BY THE OWNER TO BE SALVAGED AND/OR STOCKPILED.

PREPARATION

- I) NOTIFY ALL CORPORATIONS, COMPANIES, INDIVIDUALS OR LOCAL AUTHORITIES OWNING, OR HAVING JURISDICTION OVER UTILITIES RUNNING TO, THROUGH OR ACROSS AREAS TO BE DISTURBED BY DEMOLITION
- 2) HAVE ALL UTILITY SERVICES NOT OTHERWISE DESIGNATED TO BE DISCONNECTED BY THE CONTRACTOR, DISCONNECTED AT SERVICE MAINS BY THE GOVERNING UTILITY INVOLVED, UNLESS OTHERWISE SHOWN ON THE DRAWINGS OR DIRECTED BY THE ARCHITECT.

DEMOLITION

- I) DEMOLISH DESIGNATED EXISTING FEATURES ABOVE AND BELOW FLOOR LEVELS, WITHIN THE CONTRACT LIMIT LINES, AS NOTED TO PREPARE THE BUILDING FOR ALL OTHER WORK AS SPECIFIED OR AS SHOWN ON THE DRAWINGS AND AS ORDERED BY THE ARCHITECT.
- 2) COMPLY WITH ALL STATE OF RHODE ISLAND DEPARTMENT OF HEALTH STANDARDS DURING DEMOLITION OPERATIONS.
- 3) REMOVE AND SALVAGE MATERIAL REQUIRED FOR LATER REUSE AS SHOWN ON THE DRAWINGS AND AS DIRECTED BY THE ARCHITECT.
- 4) REMOVE AND DISPOSE OF ALL UNSUITABLE MATERIAL OFF SITE. THE OWNER SHALL HAVE RIGHT OF FIRST REFUSAL FOR ALL MATERIALS. REMOVE ANY STOCKPILED MATERIAL DEEMED SURPLUS BY THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.
- 5) REFER TO KEYED DEMOLITION NOTES AND THE DEMOLITION FLOOR PLAN FOR FURTHER CLARIFICATION OF ITEMS SCHEDULED FOR DEMOLITION.

DISPOSAL AND CLEAN UP

- I) PROMPTLY REMOVE ANY DEMOLITION DEBRIS OR SIMILAR MATERIAL, KEEPING THE AREA CLEAN AT ALL TIMES.
- 2) DEMOLISHED MATERIAL
- A) ALL DEMOLISHED MATERIAL DECLARED UNSUITABLE BY THE ARCHITECT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE LEGALLY DISPOSED OF OFF THE PREMISES, UNLESS OTHERWISE INDICATED OR SPECIFIED.
- B) KEEP ALL EXITS, PUBLIC WAYS AND EGRESS PASSAGEWAYS CLEAR OF ALL DEBRIS AT ALL TIMES.
- C) GC SHALL COORD W/ OWNER IN REGARDS TO DECLARED UNSUITABLE MATERIAL PRIOR TO DISPOSAL.
- 3) PREMISES: LEAVE THE PREMISES IN A SAFE, CLEAN AND RELATIVELY

LEGEND

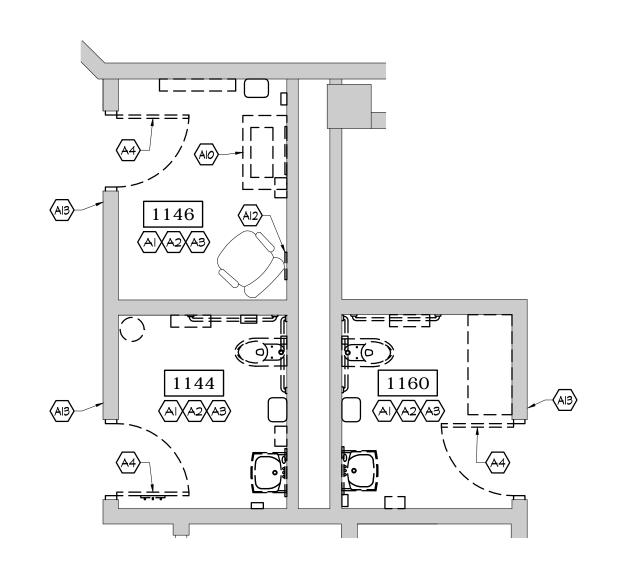
ALL ITEMS SHOWN DASHED -- ARE TO BE REMOVED

KEYED DEMOLITION NOTES

- (A#) FLOOR DEMO NOTES (@ MAIN BUILDING)
- REMOVE PLUMBING FIXTURES. COORD WATER AND WASTE LINES TO BE KEPT IN PLACE, REMOVED OR ABANDONED W/ PLUMBING DRAWINGS.
- REMOVE PARTITIONS, COUNTERTOPS, GRAB BARS AND ALL RESTROOM ACCESSORIES. REMOVE LOCKERS, BENCHES AND ALL FURNITURE WHERE THEY EXIST. SALVAGE FURNITURE PER OWNER'S DISCRETION.
- REMOVE EXIST FLOOR FINISH AND UNDERLAYMENT (IF EXISTS) BACK TO CONCRETE SLAB. REMOVE FLOOR DRAINS.
- A4 REMOVE DOOR, FRAME AND ALL RELATED ACCESSORIES.
- REMOVE DOOR, FRAME AND ALL RELATED ACCESSORIES. SALVAGE DOOR (A5) AND ACCESSORIES FOR REINSTALLATION IN NEW LAYOUT.
- $\left|igg\langle {\sf A6}
 ight
 angle$ remove door as req'd for hardware replacement.
- $|\langle$ A7angle remove masonry wall or portion of it as shown.
- REMOVE WALL TILE & SUBSTRATE (IF EXISTS) BACK TO ETR CMU.
- REMOVE SHOWER, RELATED PARTITIONS, CURTAIN, SEATS, GRAB BARS, REMOVE SHOWER, RELATED PARTITIONS, CURTAIN, SEATS, GRAD DAILS, SHOWER BASE, WATER BARRIER AND ALL RELATED ACCESSORIES (IF EXISTS) COORD SHOWER WATER AND DRAIN LINES TO BE KEPT IN PLACE, REMOVED OR ABANDONED W/ PLUMBING DRAWINGS.
- (AIO) REMOVE VANITY UNIT.
- (AII) REMOVE EXIST CONTROL JOINT ALUM CAP @ FLOOR AND WALLS.
- (AI2) REMOVE EXIST TOILET CAP, WATER AND WASTE LINES FROM THE WALL.
- (AIS) REMOVE EXISTING RESTROOM SIGN AS INDICATED.
- MOP SINK TO BE REMOVED IF SCHEDULED AT DEMOLITION PLUMBING DRAWINGS. GC SHALL COORD W/ PLUMBING DRAWINGS WHICH MOP SINKS SHALL BE REPLACED.

DEMOLITION NOTES:

- SEE PLUMBING DRAWINGS FOR PLUMBING LINES SCHEDULED FOR DEMOLITION.
- THE SCOPE OF WORK INCLUDES REPLACEMENT OF UNDERGROUND PLUMBING LINES NOT SHOWN IN THE RESTROOM DEMO PLANS. GC SHALL COORD W/ PLUMBING DRAWINGS FOR FULL EXTENT OF UNDERGROUND PIPING TO BE REMOVED, REPLACED OR ADDED. AS BASIS FOR PRICING GC SHALL CONSIDER THE DEMO TRENCHS AT 18" WIDTH FOR THE FULL LENGTH OF SCHEDULED UNDERGROUND PIPING. GC SHALL PATCH ALL DISTURBED AREAS AS REQUIRED TO MATCH EXISTING FLOOR CONSTRUCTION AND FINISH.
- 3. SEE DI.3 & DI.4 FOR LIGHTING AND CEILING ITEMS SCHEDULED FOR DEMOLITION AT RESTROOMS LOCATED AT MAIN BUILDING.



1146 / 1144 / 1160 DEMO FLOOR PLAN SCALE: 1/4" = 1'-0"

2102

3109

1102 / 2102 / 3109

1108 / 2105 / 3115

8 DEMO FLOOR PLAN

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

9 DEMO FLOOR PLAN

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

_ _ _ _ _

1108

2105

3115

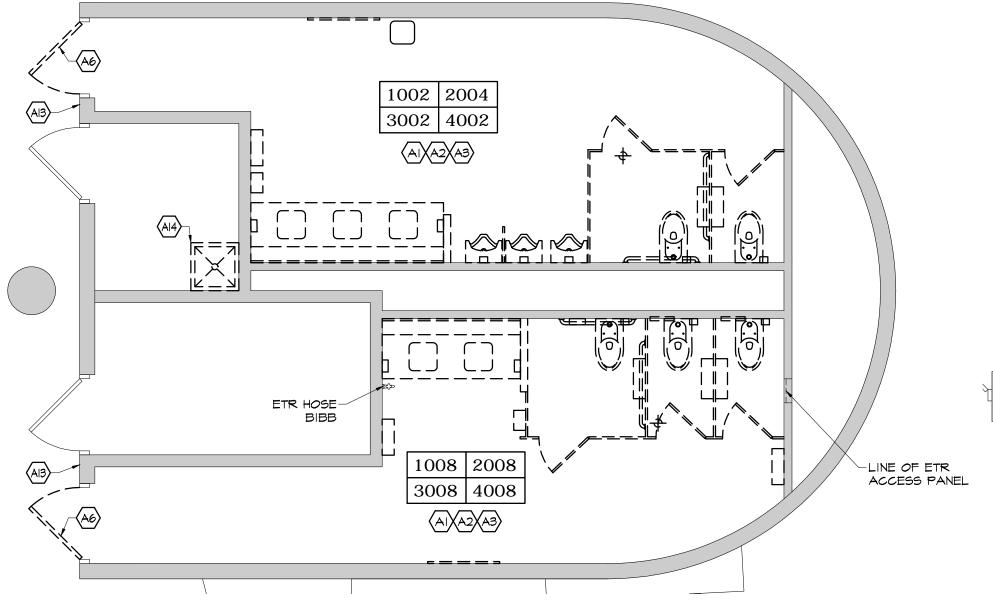
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LINE OF ETR-ACCESS

ACCESS PANEL

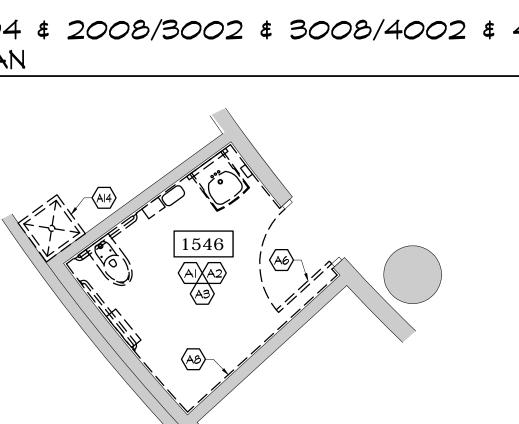
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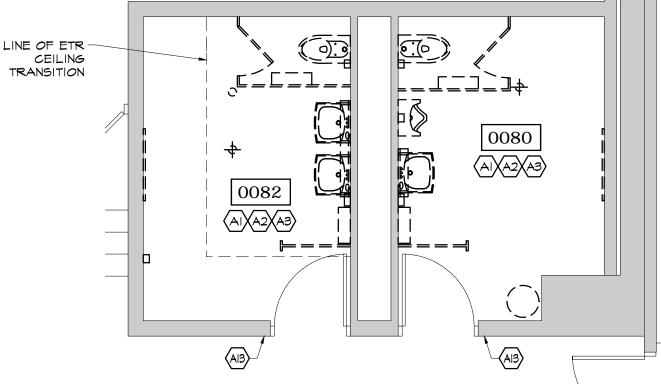


1002 \$ 1008/2004 \$ 2008/3002 \$ 3008/4002 \$ 4008 DEMO FLOOR PLAN

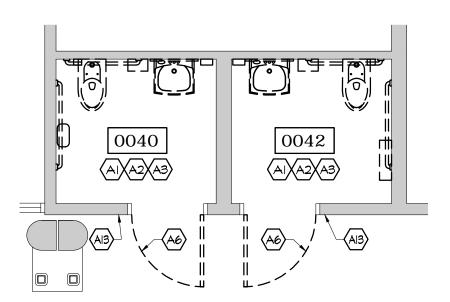
SCALE: 1/4" = 1'-0"



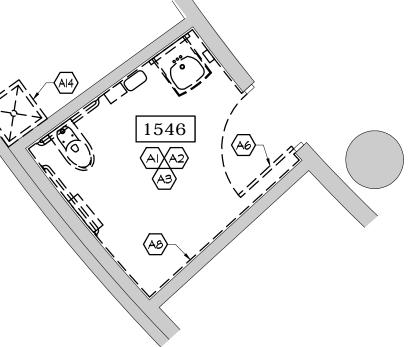
1546 DEMO FLOOR PLAN SCALE: 1/4" = 1'-0"



0082 \$ 0084 DEMO FLOOR PLAN SCALE: 1/4" = 1'-0"



0040 \$ 0042 DEMO FLOOR PLAN SCALE: 1/4" = 1'-0"

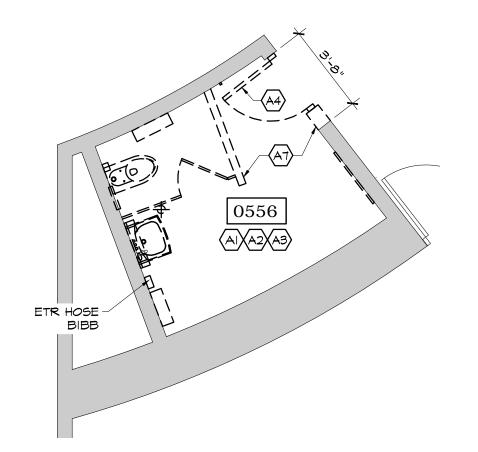


0564 DEMO FLOOR PLAN SCALE: 1/4" = 1'-0"

0282 \$ 0280

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

DEMO FLOOR PLAN



DEMO FLOOR PLAN X1.0/ SCALE: 1/4" = 1'-0"



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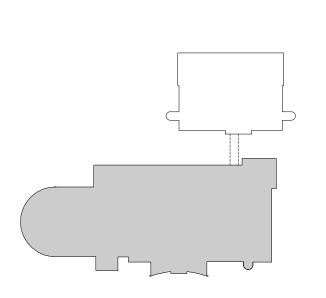
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ACCESS PANEL

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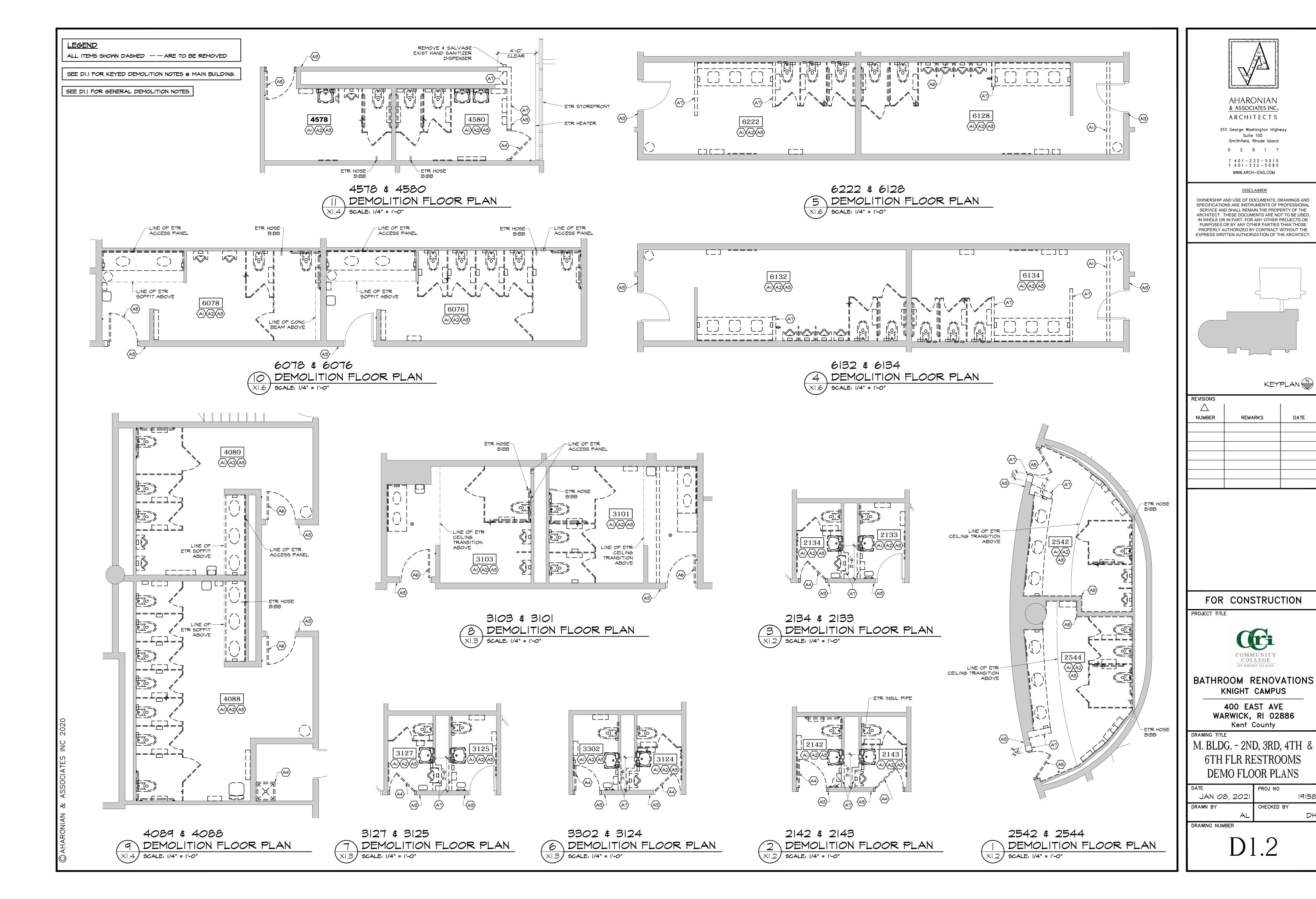
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M. BLDG - GRD & 1ST FLR RESTROOMS DEMO FLOOR PLANS

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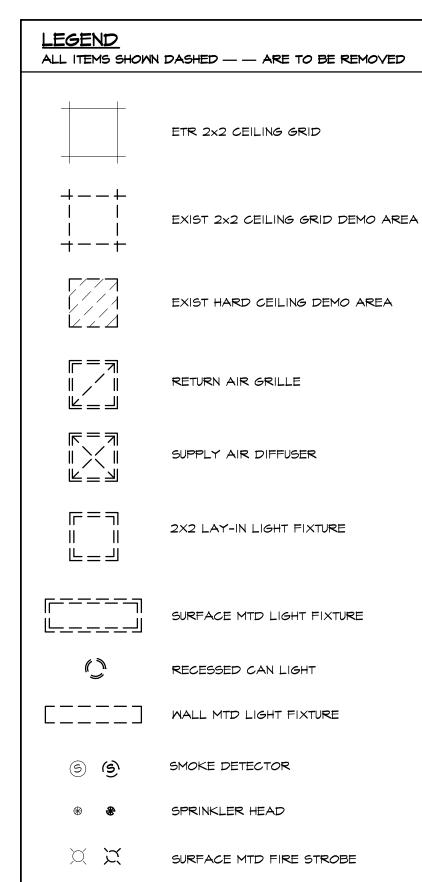
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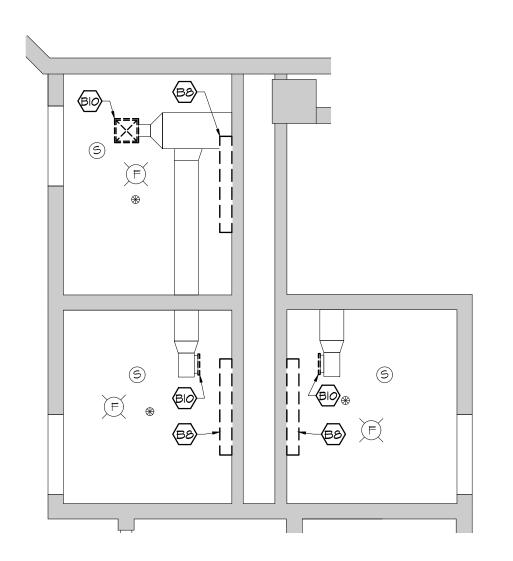
(B#) CEILING DEMO KEY NOTES

- REMOVE ALL LIGHT FIXTURES, CEILING MOUNTED DEVICES, ESCUTCHEONS, SUPPLY DIFFUSERS FROM ETR HARD CEILING AS REQ'D FOR NEW FINISHES. SALVAGE CEILING MOUNTED DEVICES \$ ESCUTCHEONS FOR REINSTALLATION. MAINTAIN ELECT FOR REUSE.
- REMOVE ALL LIGHT FIXTURES AND SUPPLY DIFFUSERS FROM ETR SUSP CEILING SYS. MAINTAIN ELECT FOR REUSE.
- CUT & REMOVE PORTION OF EXIST HARD CEILING AS REQ'D AS REQ'D TO ACCOMMODATE NEW LAYOUT AND/OR NEW RECESSED LIGHTING.
- CUT & REMOVE PORTION OF EXIST SUSP CEILING SYS AS REQ'D TO ACCOMMODATE NEW LAYOUT AND/OR NEW RECESSED LIGHTING.
- REMOVE COMPLETELY EXIST HARD CEILING.
 REMOVE ALL LIGHT FIXTURES, CEILING MOUNTED DEVICES, ESCUTCHEONS & SUPPLY DIFFUSERS. SALVAGE CEILING MOUNTED DEVICES \$ ESCUTCHEONS FOR REINSTALLATION. MAINTAIN ELECT AS REQ'D FOR REUSE IN NEW LAYOUT.
- REMOVE ANY DAMAGED, STAINED OR IRREMEDIABLE DIRTY CEILING TILES. REMOVE ANY DAMAGED PART OF CEILING GRID SYSTEM.
- REMOVE COMPLETELY EXIST GYP BD SOFFIT AND ALL RELATED ACCESSORIES.
- REMOVE WALL MOUNTED LIGHT FIXTURE. MAINTAIN ELECT FOR REUSE.
- B9 REMOVE WALL MOUNTED SUPPLY DIFFUSERS.
- REMOVE SUPPLY DIFFUSERS FROM EXPOSED DUCTWORK.
- (BII) REMOVE ACCESS PANEL.
- (BI2) REMOVE DAMAGED PORTION OF ETR HARD CEILING.
- REMOVE EXIST CONTROL JOINT ALUM CAP @ HARD CEILING.
- REMOVE EXIST WOOD TRIM AT SUSPENDED CEILING SYSTEM EDGE.
- CUT ETR GYP BD BAND'S ROOM CEILING AT FLOOR BELOW AS REQ'D TO WASTE LINE REPLACEMENT. ESTIMATED DEMO AREA = 10 SF
- REMOVE AND SALVAGE FOR REINSTALLATION PORTION OF ETR SUSP CEILING SYS AT FLOOR BELOW (ROOM 2117) AS REQ'D TO WASTE LINE REPLACEMENT. ESTIMATED DEMO AREA = 60 SF

EXIST LIGHT FIXTURE NOTE

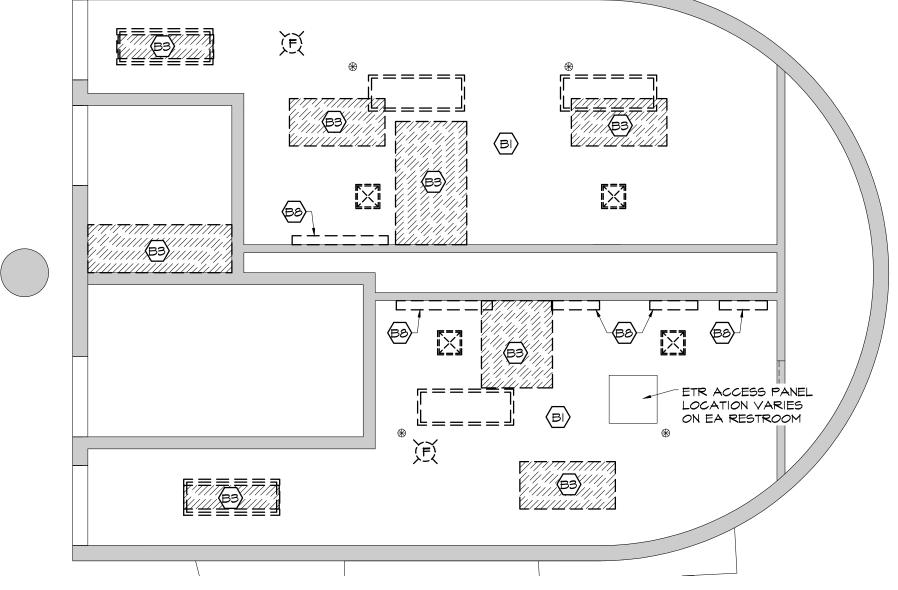
ALL EXISTING LIGHT FIXTURES TO BE REMOVED SHALL BE SAVED AND GIVEN BACK TO OWNER.





1146 / 1144 / 1160 DEMO CEILING PLAN

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



1002 \$ 1008/2004 \$ 2008/3002 \$ 3008/4002 \$ 4008 DEMO CEILING PLAN

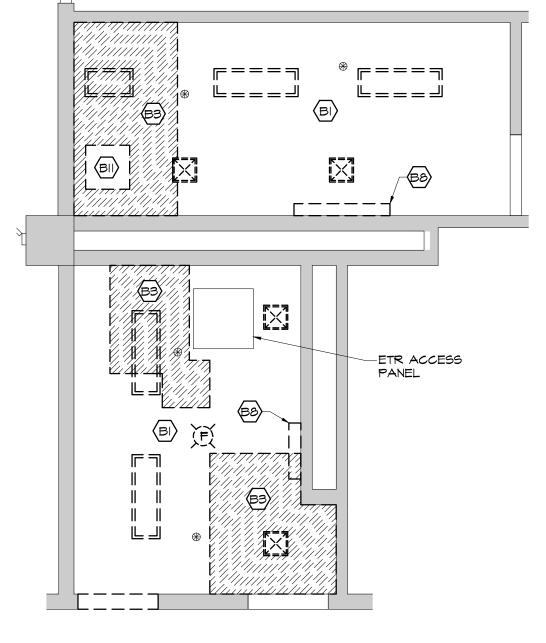
X2.| SCALE: 1/4" = 1'-0"

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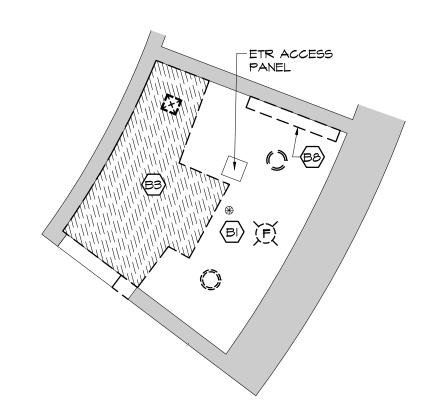
1102 / 2102 / 3109

9 DEMO CEILING PLAN

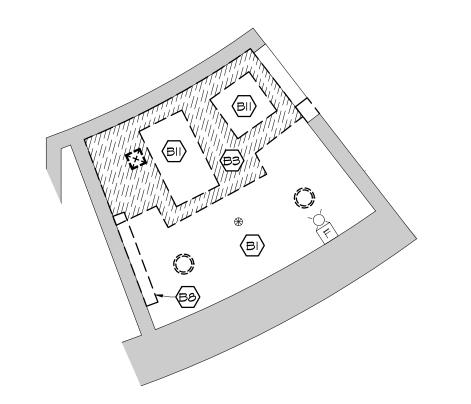
X2.| SCALE: 1/4" = 1'-0"



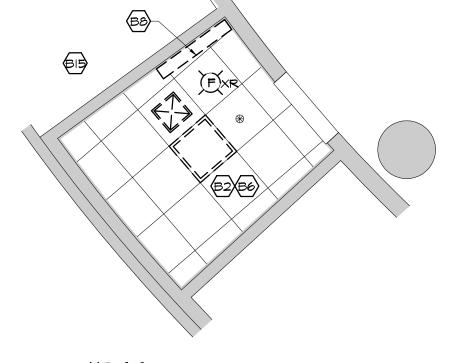
0282 \$ 0280 3 DEMO CEILING PLAN SCALE: 1/4" = 1'-0"



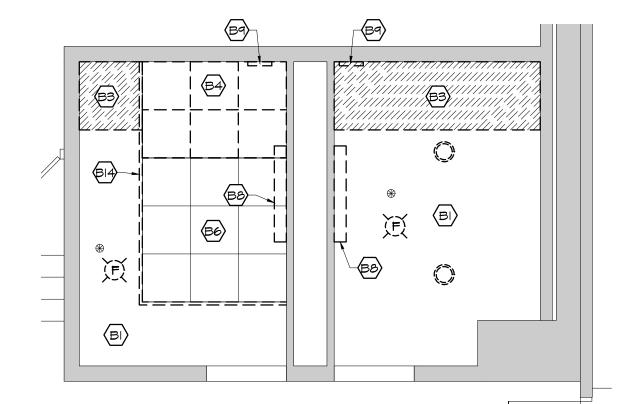
0564 2 DEMO CEILING PLAN XI. | SCALE: 1/4" = 1'-0"



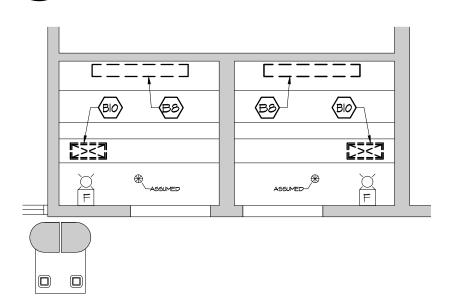
0556 DEMO CEILING PLAN XI. | SCALE: 1/4" = 1'-0"



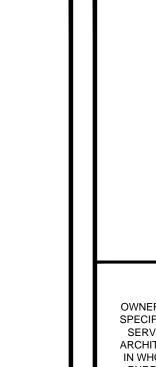
1546 6 DEMO CEILING PLAN (X2.l) SCALE: 1/4" = 1'-0"



0082 \$ 0084 5 DEMO CEILING PLAN SCALE: 1/4" = 1'-0"



0040 \$ 0042 DEMO CEILING PLAN SCALE: 1/4" = 1'-0"



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ARCHITECTS

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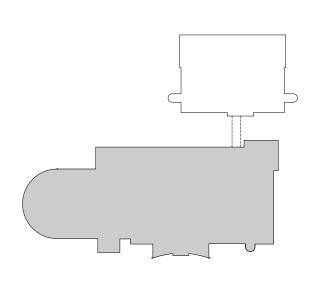
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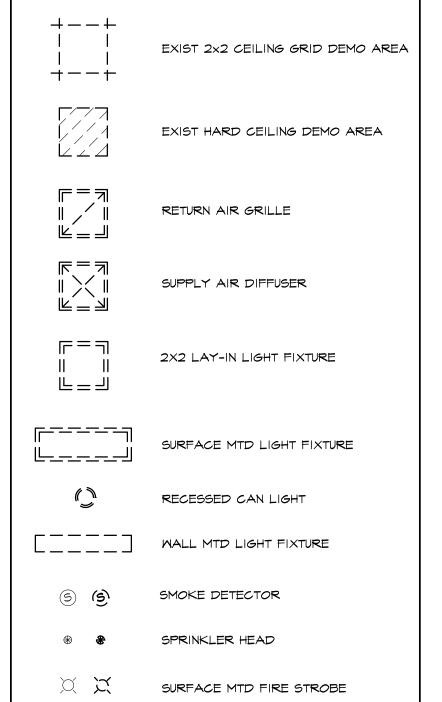
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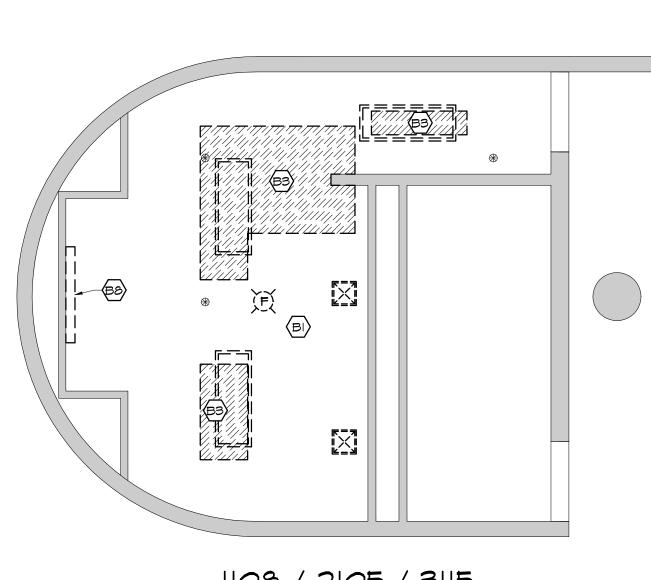
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1108 / 2105 / 3115 8 DEMO CEILING PLAN X2.| SCALE: 1/4" = 1'-0"



DATE

<u>LEGEND</u>

ALL ITEMS SHOWN DASHED -- ARE TO BE REMOVED

KEYED DEMOLITION NOTES

- FLOOR DEMO NOTES (@ MAIN BUILDING)
- REMOVE PLUMBING FIXTURES. COORD WATER AND WASTE LINES TO BE KEPT (A) IN PLACE, REMOVED OR ABANDONED W/ PLUMBING DRAWINGS.
- REMOVE PARTITIONS, COUNTERTOPS, GRAB BARS AND ALL RESTROOM ACCESSORIES. REMOVE LOCKERS, BENCHES AND ALL FURNITURE WHERE THEY EXIST. SALVAGE FURNITURE PER OWNER'S DISCRETION.
- REMOVE EXIST FLOOR FINISH AND UNDERLAYMENT (IF EXISTS) BACK TO CONCRETE SLAB. REMOVE FLOOR DRAINS.
- $igl|igl\langle ext{A4}igr
 angle$ remove door, frame and all related accessories.
- (A5) REMOVE MASONRY WALL OR PORTION OF IT AS SHOWN.
- REMOVE SHOWER, RELATED PARTITIONS, CURTAIN, SEATS, GRAB BARS,
- SHOWER BASE, WATER BARRIER AND ALL RELATED ACCESSORIES (IF EXISTS) COORD SHOWER WATER AND DRAIN LINES TO BE KEPT IN PLACE, REMOVED OR ABANDONED W/ PLUMBING DRAWINGS.
- \langle ATangle REMOVE EXIST CONTROL JOINT ALUM CAP @ FLOOR AND WALLS.
- REMOVE LIGHT FIXTURE & CEILING MOUNTED DEVICES FROM ETR GYP BOARD CEILING.
- REMOVE & SALVAGE EXISTING WALL MOUNTED FIRE DEVICES & STORE FOR REINSTALLATION IN NEW LAYOUT.
- $|\langle {\sf AIO} \rangle|$ remove all existing supply & return diffusers as indicated.
- REMOVE PORTION OF EXISTING DUCTWORK AS INDICATED SEE A2.3 & A2.4 FOR EXTENT OF WORK.
- REMOVE EXIST SPRINKLER HEAD/PIPING AS INDICATED SEE A2.3 \ddagger A2.4 FOR EXTENT OF WORK.
- $|\!\!|\!\!|$ REMOVE EXISTING RESTROOM SIGN AS INDICATED.
- A14 REMOVE EXIST HEATER UNIT.

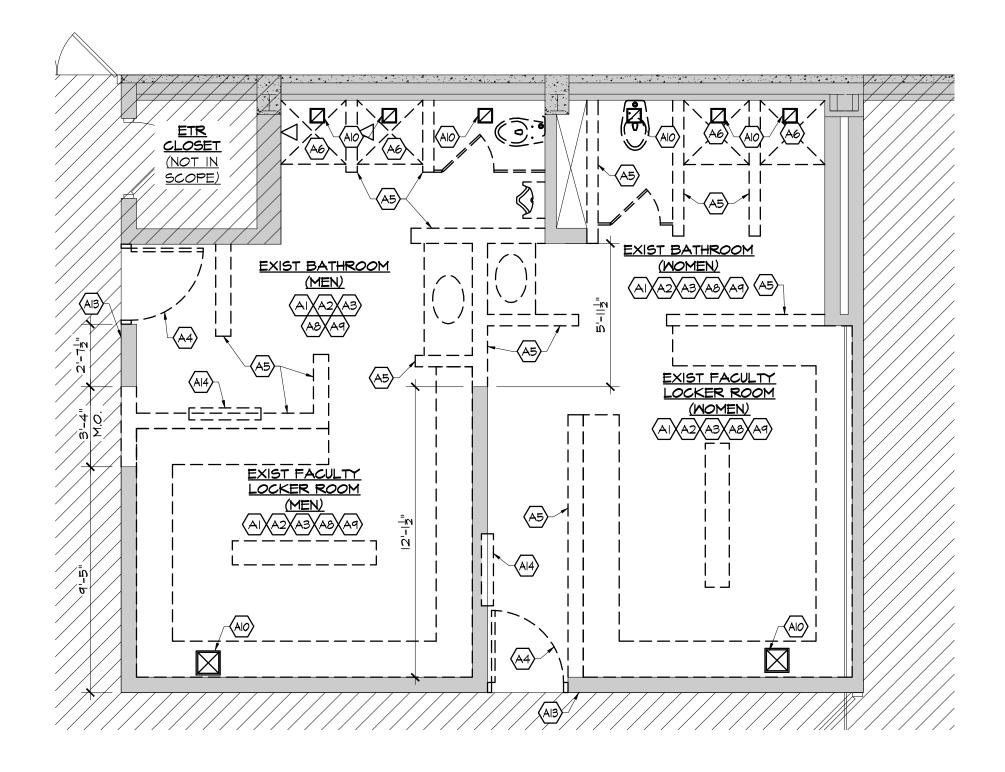
DEMOLITION NOTES:

- SEE PLUMBING DRAWINGS FOR PLUMBING LINES SCHEDULED FOR DEMOLITION.
- 2. THE SCOPE OF WORK INCLUDES REPLACEMENT OF UNDERGROUND PLUMBING LINES NOT SHOWN IN THE RESTROOM / LOCKER ROOM DEMOLITION PLANS. GC SHALL COORD W/ PLUMBING DRAWINGS FOR FULL EXTENT OF UNDERGROUND PIPING TO BE REMOVED, REPLACED OR ADDED. AS BASIS FOR PRICING GC SHALL CONSIDER THE DEMO TRENCHS AT 18" WIDTH FOR THE FULL LENGTH OF SCHEDULED UNDERGROUND PIPING. GC SHALL PATCH ALL DISTURBED AREAS AS REQUIRED TO MATCH EXISTING FLOOR CONSTRUCTION AND FINISH.

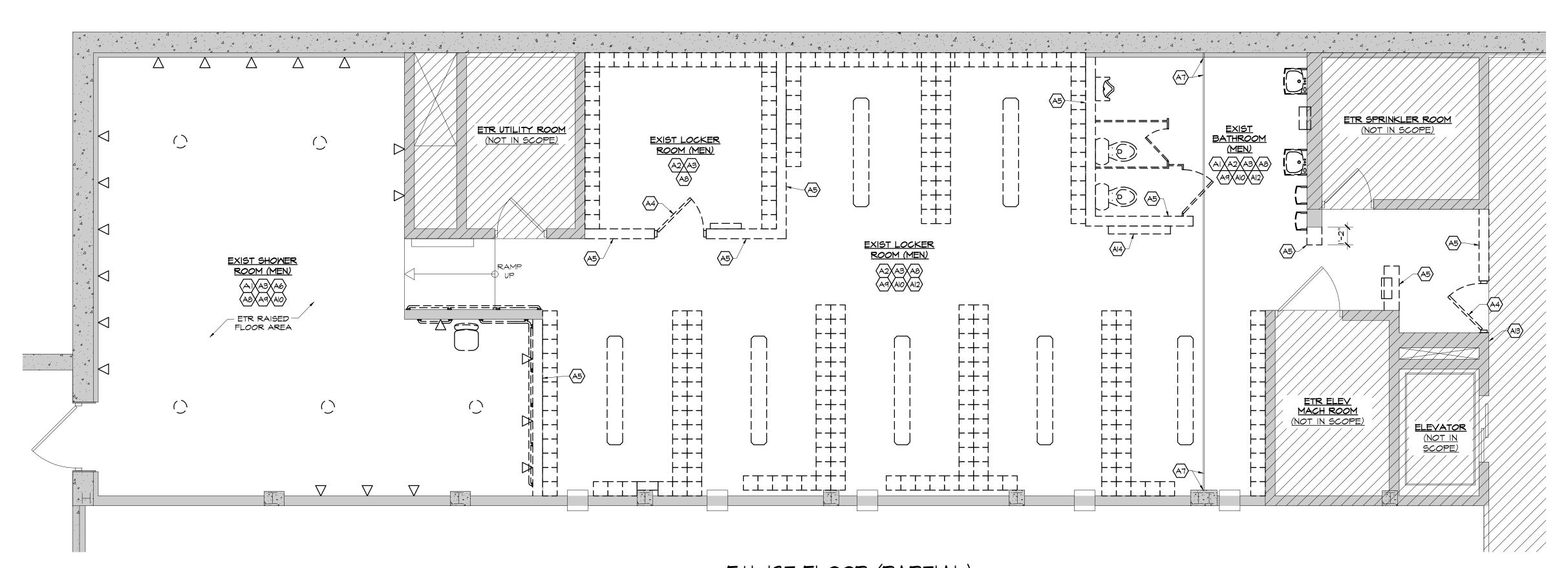
EXIST LIGHT FIXTURE NOTE

ALL EXISTING LIGHT FIXTURES TO BE REMOVED SHALL BE SAVED AND GIVEN BACK TO OWNER.

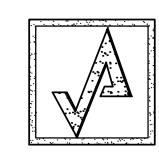
SEE DI.I FOR GENERAL DEMOLITION NOTES



F.H. 2ND FLOOR (PARTIAL) 2 DEMOLITION FLOOR PLAN X2.0 SCALE: 1/4" = 1'-0"



F.H. IST FLOOR (PARTIAL) DEMOLITION FLOOR PLAN SCALE: 1/4" = 1'-0"



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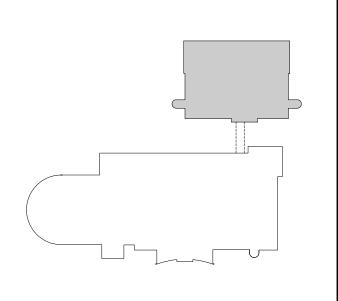
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PROJECT TITLE



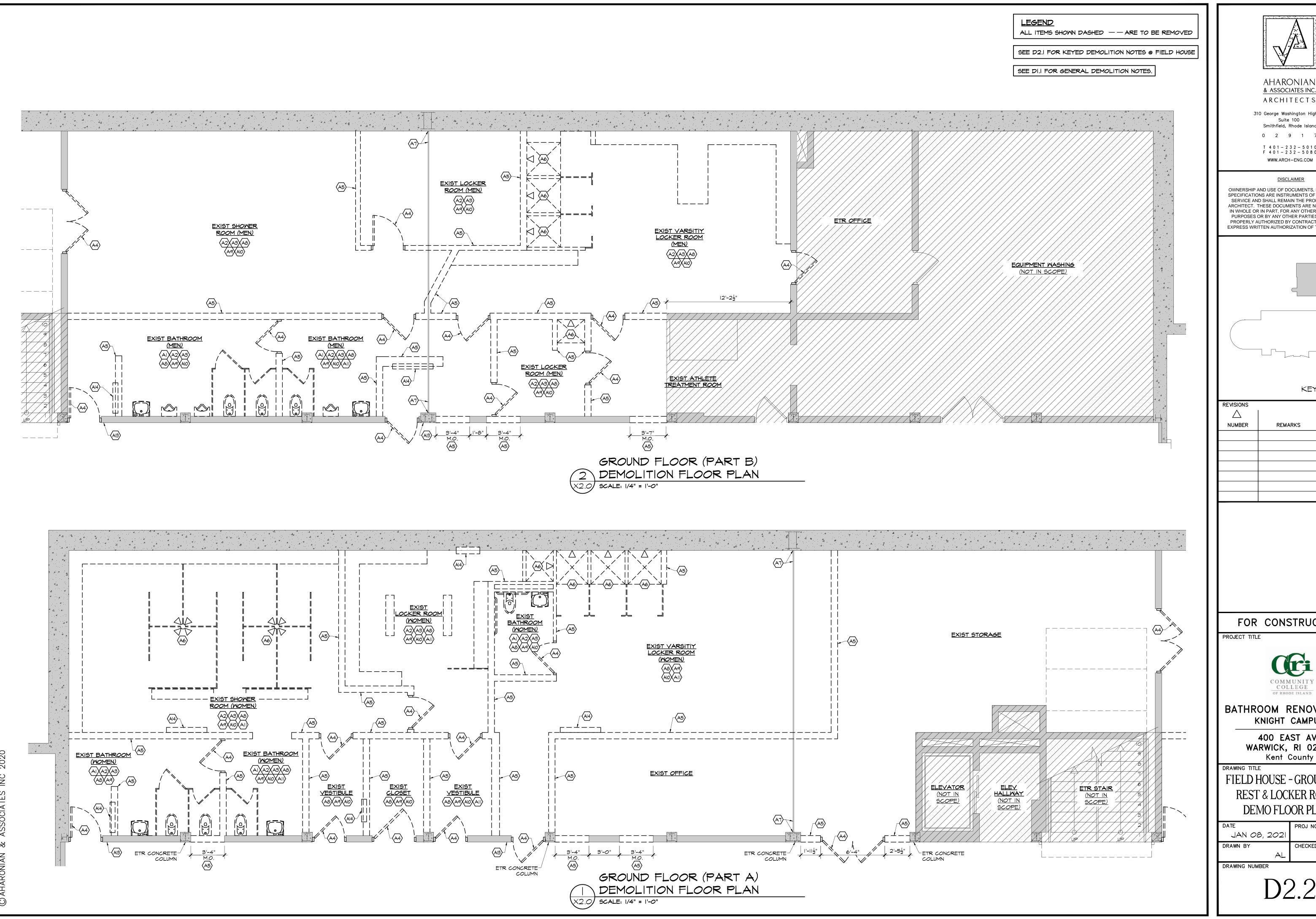
BATHROOM RENOVATIONS KNIGHT CAMPUS

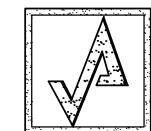
> 400 EAST AVE WARWICK, RI 02886 Kent County

FIELD HOUSE - 1ST & 2ND FLR REST & LOCKER ROOMS DEMO FLOOR PLANS

PROJ NO JAN 08, 2021 CHECKED BY

DRAWING NUMBER



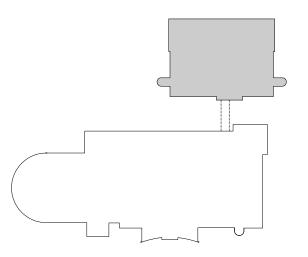


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FOR CONSTRUCTION



BATHROOM RENOVATIONS KNIGHT CAMPUS

> 400 EAST AVE WARWICK, RI 02886

Kent County FIELD HOUSE - GROUND FLR

REST & LOCKER ROOMS DEMO FLOOR PLANS

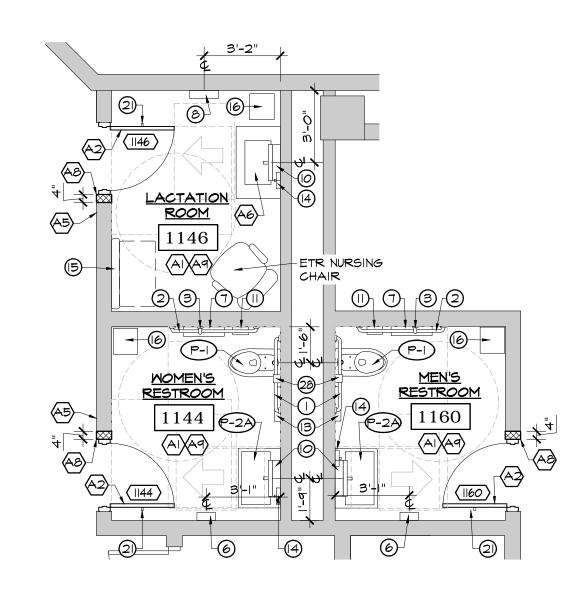
DATE	PROJ NO	
JAN 08, 2021		19158
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GENERAL NOTES

- THE CONTRACTOR SHALL OBTAIN ALL PERMITS AND INSPECTIONS NECESSARY TO INSURE ISSUANCE OF AN OCCUPANCY CERTIFICATE UPON COMPLETION OF THE WORK.
- 2) THE CONTRACTOR SHALL MAINTAIN ALL INSURANCE REQ'D BY THE OWNER AND/OR GOVERNMENTAL AUTHORITIES AND SHALL PROVIDE PROOF OF SUCH INSURANCE AS REQUIRED.
- 3) ALL WORK SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, CITY OF WARWICK, RHODE ISLAND REQUIREMENTS AND AS PUT FORTH IN THESE CONSTRUCTION DOCUMENTS. WHERE CONFLICTS OCCUR, THE MOST STRINGENT REQUIREMENTS SHALL BE MET.
- 4) THE CONTRACTOR SHALL BE RESPONSIBLE FOR BRACING ALL WORK DURING CONSTRUCTION.
- 5) THE DRAWINGS MAY NOT BE TO SCALE. SEE PLANS AND DETAILS FOR DIMENSIONS.
- 6) ALL EXTERIOR DIMENSIONS SHOWN ARE TO THE FACE OF FRAMING. ALL INTERIOR DIMENSIONS SHOWN ARE TO THE FACE OF SUBSTRATE.
- 7) THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS BEFORE COMMENCING CONSTRUCTION AND REPORT ANY DISCREPANCIES TO THE ARCHITECT BEFORE PROCEEDING.
- 8) THE CONTRACTOR SHALL ANCHOR WALL MOUNTED EQUIPMENT AND ACCESSORIES TO EXISTING WALLS AS REQD FOR PROPER SUPPORT. PROVIDE BLOCKING AS REQ'D.
- 9) LEVEL OF GYP BD FINISH PER MATERIAL: UNDER WALL COVERING: 4 UNDER PAINT: 5
- 10) NOTHING IN THE SPECIFICATIONS OR DRAWINGS SHALL BE CONSTRUED TO ALLOW WORK NOT IN ACCORDANCE WITH THE 'CODE' REQUIREMENTS. WHEN REQUIREMENTS SHOWN OR SPECIFIED ARE LESS THAN THOSE DICTATED IN THE CODE, THE CONTRACTOR SHALL FURNISH AND/OR INSTALL THE LARGER SIZE OR HIGHER STANDARD WITHOUT EXTRA COST TO THE OWNER.
- II) "PROVIDE" SHALL MEAN TO "SUPPLY & INSTALL".
- 12) ALL MATERIALS USED IN THE CONSTRUCTION OF THIS PROJECT SHALL BE CLASSIFIED AS NONCOMBUSTIBLE PER THE STATE BUILDING CODE WHETHER SO INDICATED ON THE DWGS OR NOT.

KEYED PLAN NOTES

- PROVIDE NEW FLOOR AND WALLS FINISHES. SEE A4.1 FOR SCHEDULED FINISHES, NOTES AND SPECS. SEE SPECIFIC REFLECTED CEILING PLAN FOR CEILING RENOVATIONS. ALL NEW FINISHES SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS INCLUDING EXISTING SURFACES PREPARATION.
- (A2) PROVIDE NEW DOOR & FRAME. SEE DOOR SCHEDULE.
- A3 INSTALL SCHEDULE. INSTALL SALVAGED DOOR & HARDWARE IN NEW FRAME. SEE DOOR
- INSTALL SALVAGED DOOR IN EXIST FRAME. PROVIDE NEW DOOR HARDWARE. SEE DOOR SCHEDULE.
- (A5) PROVIDE ADA SIGN. SEE A4.1 FOR TYPICAL DETAIL.
- PROVIDE 36"x 22" ADA HANDICAP VANITY CABINET PACKAGE CONTRACTOR SERIES, CULTURED GRANITE TOP WITH INTEGRATED BACKSPLASH AND WHITE BOWL, WALL MOUNT ACCESSIBLE VANITY, NO WALLS EITHER SIDE OF VANITY, DOORS STEEK LINE STYLE, MAPLE WOOD W/ CLEAR COAT FINISH, ADA COMPLIANT CLASSIC SINGLE CONTROL FAUCET W/ POLISHED CHROME FINISH. REF
- GC SHALL PATCH ALL FLOOR AREAS DISTURBED BY UNDERGROUND WORK AS REQUIRED TO MATCH EXISTING FLOOR CONSTRUCTION AND FINISH. EXTENT OF WORK TO BE COORD W/ PLUMBING DWGS.
- (A8) WALL CONSTRUCTION TO MATCH & ALIGN W/ EXISTING ADJACENT.
- INFILL WALL AREAS WHERE RECESSED ACCESSORIES WERE REMOVED. IF NECESSARY CUT MASONRY AS REQ'D TO INFILL MATCH & ALIGN WITH EXIST MASONRY JOINTS.
- AID PROVIDE ALUM CAP @ EXIST CONTROL JOINT.



1146 / 1144 / 1160 10 FLOOR PLAN SCALE: 1/4" = 1'-0"

€-20

RESTROOM

2102

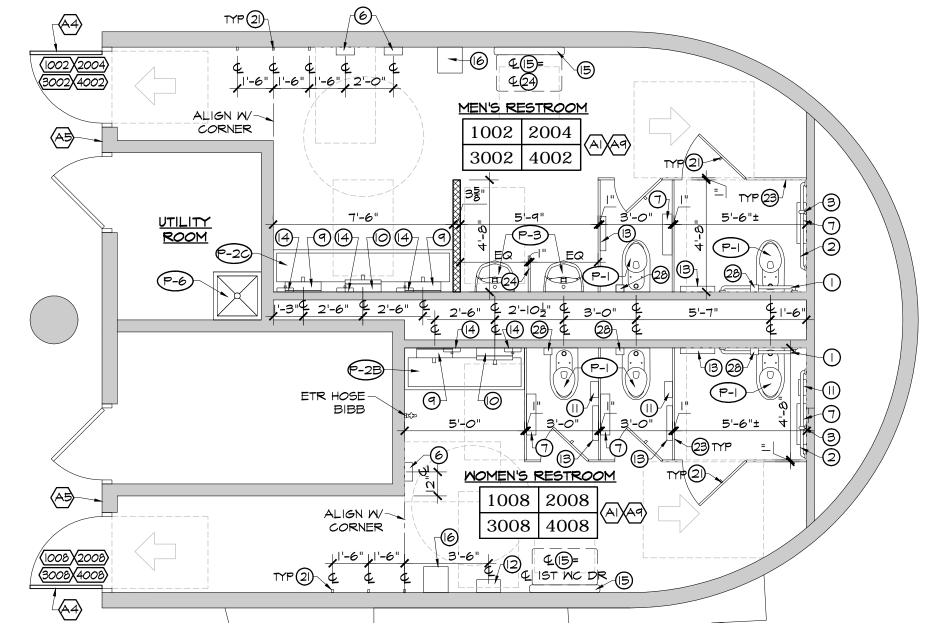
3109

Q WALL ALIGN W

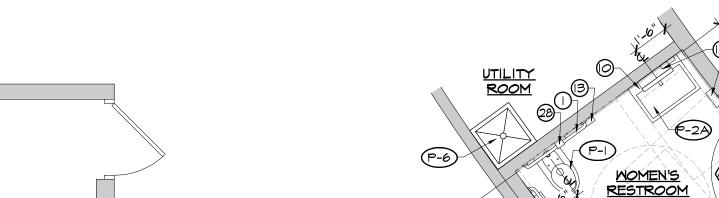
CORNER

9 FLOOR PLAN

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



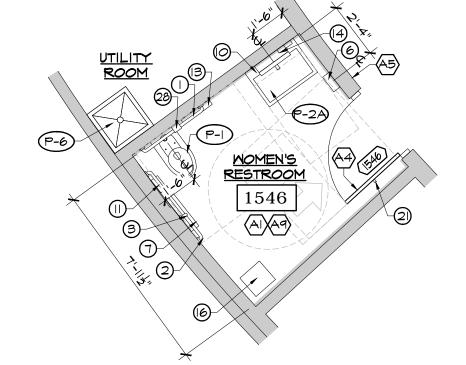
1002 \$ 1008/2004 \$ 2008/3002 \$ 3008/4002 \$ 4008 7 FLOOR PLAN



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

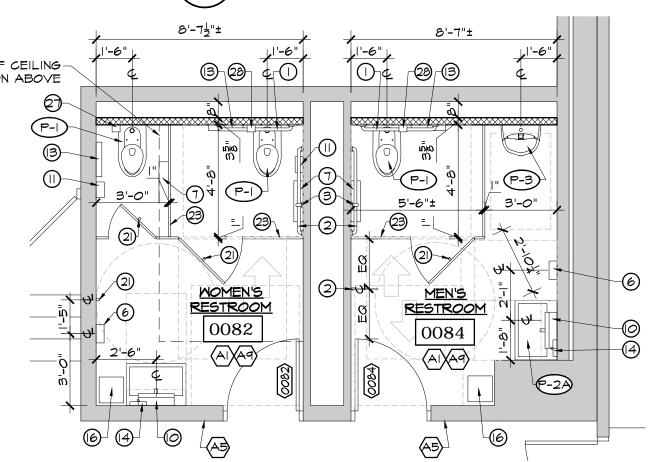
UTILITY ROOM

(1102) (2102) (3109)

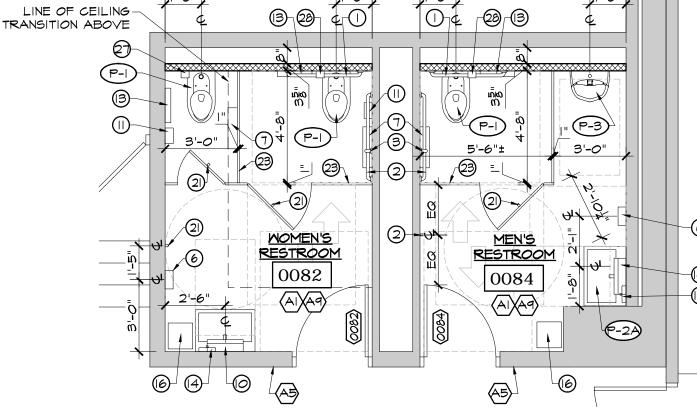


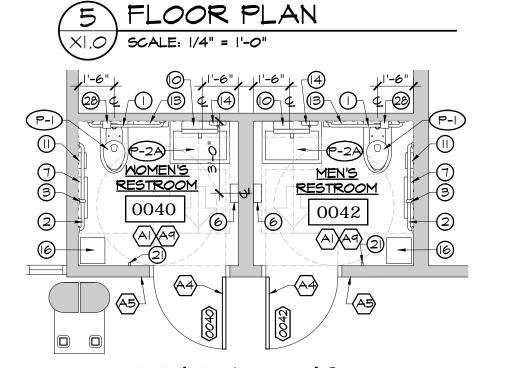
6 FLOOR PLAN

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



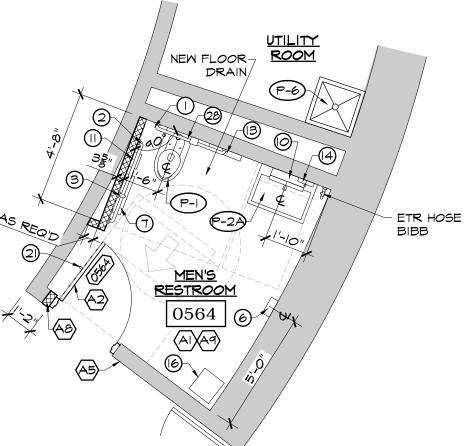
0082 \$ 0084



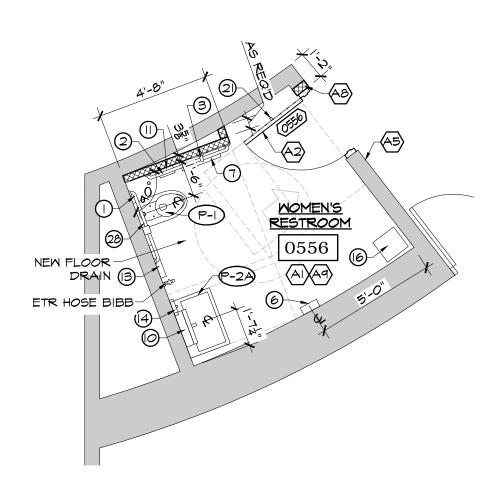


0040 \$ 0042 4 FLOOR PLAN $\times |.O|$ SCALE: |/4" = |'-O"|

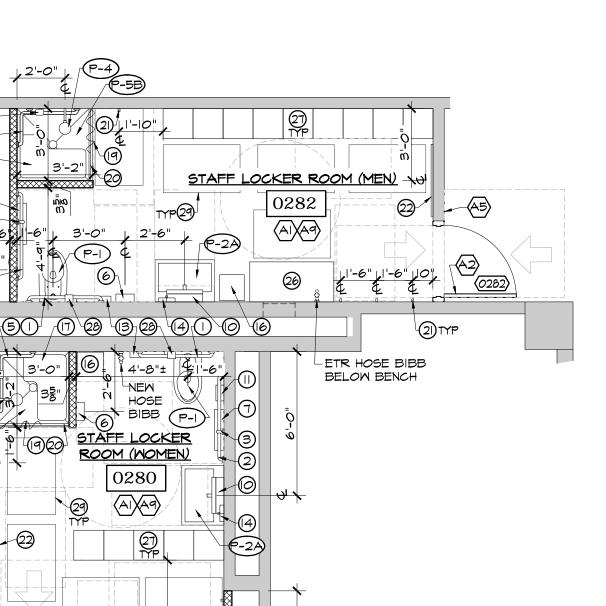


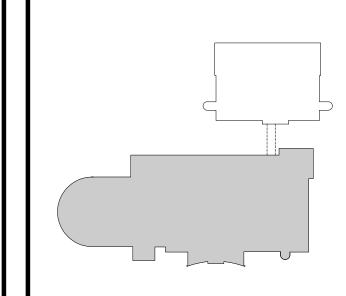


0564 2 FLOOR PLAN SCALE: 1/4" = 1'-0" (XI.O)



0556 FLOOR PLAN XI.O SCALE: 1/4" = 1'-0"





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NUMBER	REMARKS	DATE

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PROJECT TITLE



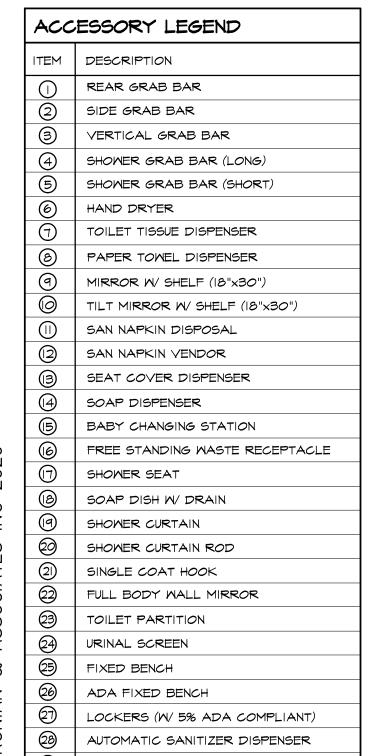
BATHROOM RENOVATIONS KNIGHT CAMPUS

> 400 EAST AVE WARWICK, RI 02886 Kent County

DRAWING TITLE M. BLDG - GRD & 1ST FLR RESTROOMS FLOOR PLANS

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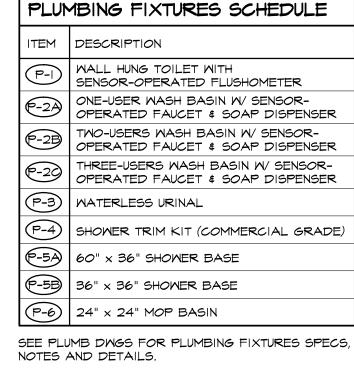


DRAINAGE RUBBER MAT

SEE A4.1 FOR ACCESSORIES SPECS, NOTES AND

DETAILS.

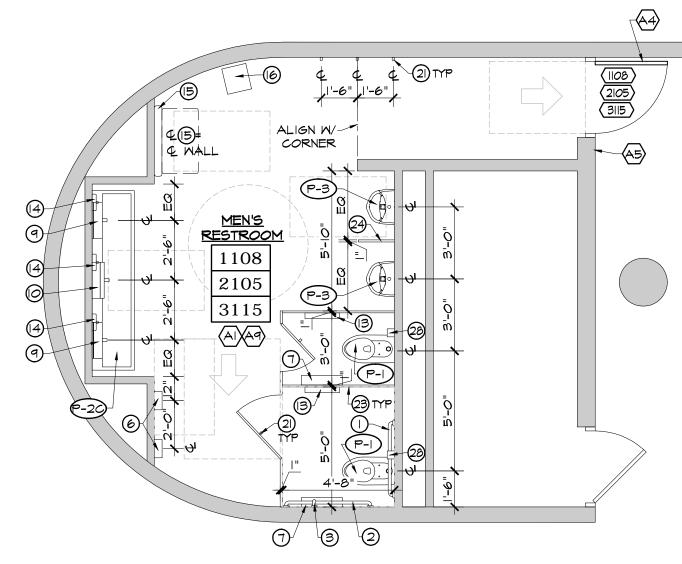
P-3 WATERLESS URINAL (P-5A) 60" x 36" SHOWER BASE P-5B 36" x 36" SHOWER BASE (P-6) 24" × 24" MOP BASIN NOTES AND DETAILS. PLUMBING FIXTURES NOTE: ALL RESTROOM PLUMBING FIXTURES & ACCESSORIES TO COMPLY W/ ANSI 1171-1 2003 AND W/ RI STATE BUILDING CODE SBC-IT. PROVIDE BLOCKING AS REQUIRED FOR ALL RESTROOM FIXTURES AND SHOWER ACCESSORIES. COORD W/ MANUF REQTS. LEGEND NEW MASONRY WALL





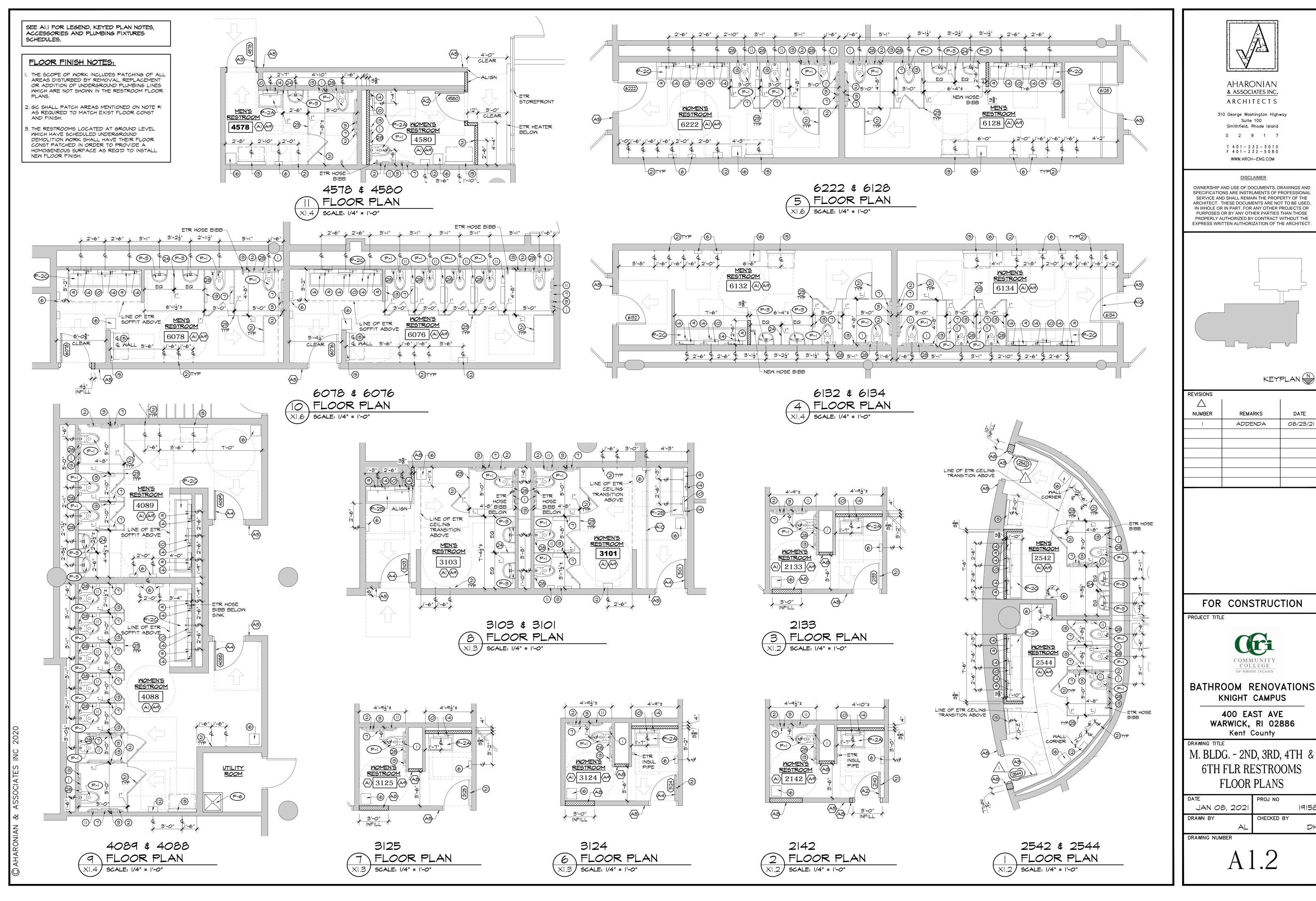
SEE AI.2 FOR FLOOR FINISH NOTES.



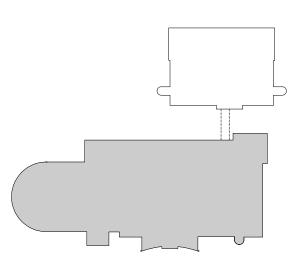


1102 / 2102 / 3109

1108 / 2105 / 3115 8 FLOOR PLAN SCALE: 1/4" = 1'-0"



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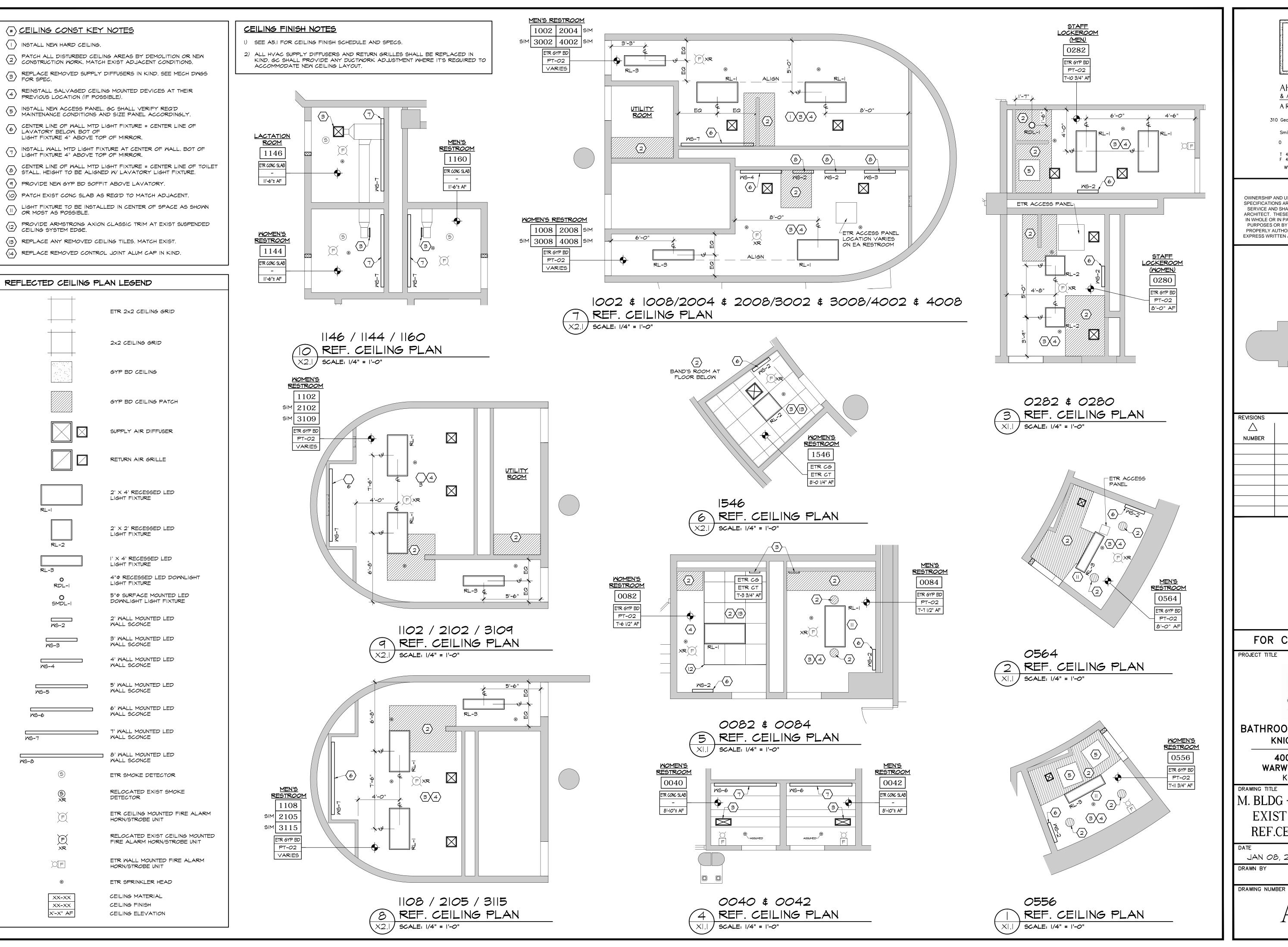


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NUMBER	REMARKS	DATE
	ADDENDA	08/23/21

6TH FLR RESTROOMS

DATE	PROJ NO	
JAN 08, 2021		19158
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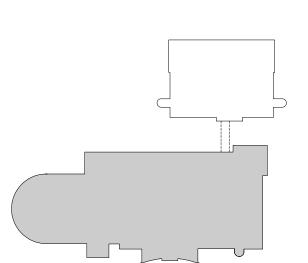




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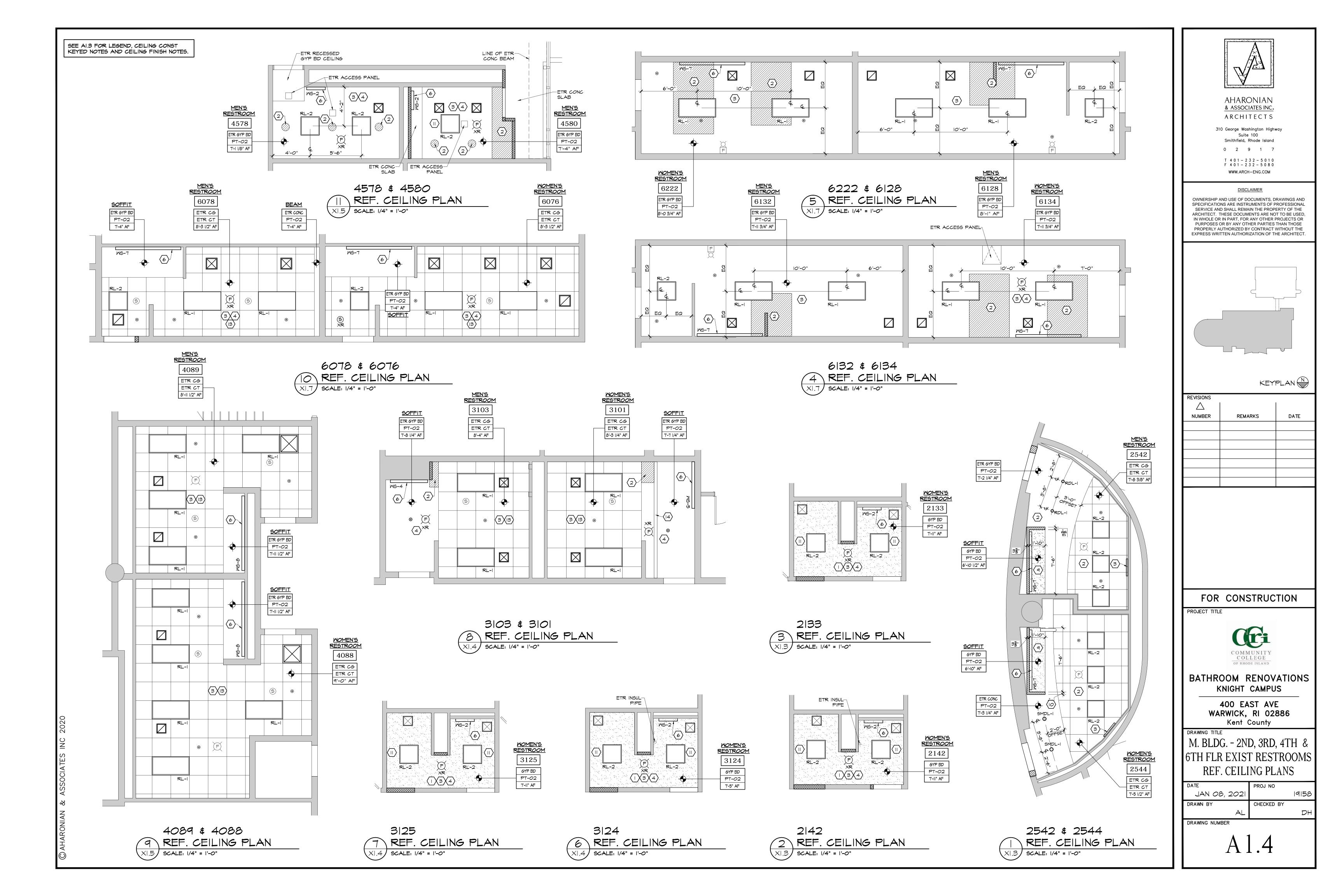


BATHROOM RENOVATIONS KNIGHT CAMPUS

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M. BLDG - GRD & 1ST FLF EXIST RESTROOMS REF.CEILING PLANS

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- PROVIDE NEW FLOOR AND WALLS FINISHES. SEE A4.1 FOR SCHEDULED FINISHES, NOTES AND SPECS. SEE SPECIFIC REFLECTED CEILING PLAN FOR CEILING RENOVATIONS. ALL NEW FINISHES SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS INCLUDING EXISTING SURFACES PREPARATION.
- PROVIDE NEW DOOR & FRAME. SEE DOOR SCHEDULE.
- PROVIDE ADA SIGN. SEE A4.1 FOR TYPICAL DETAIL.
- GC SHALL PATCH ALL FLOOR AREAS DISTURBED BY UNDERGROUND WORK AS REQUIRED TO MATCH EXISTING FLOOR CONSTRUCTION AND FINISH, INCLUDING ANY AREA NOTED NOT IN SCOPE. EXTENT OF WORK TO BE COORD W/ PLUMBING DWGS.
- (A5) WALL CONSTRUCTION TO MATCH & ALIGN W/ EXISTING ADJACENT.
- INFILL/PATCH WALL AREAS WHERE RECESSED ACCESSORIES WERE REMOVED. IF NECESSARY CUT MASONRY AS REQ'D TO MATCH & ALIGN WITH EXIST MASONRY JOINTS.
- $\Big\langle$ AT $\Big
 angle$ provide alum cover @ exist control joint.
- (A8) INSTALL NEW HEATER.

NEW MASONRY NOTES:

- NOT ALL NEW CMU WALLS ARE TO BE ERECTED FULL HEIGHT. CHECK LEGEND TO DISTINGUISH KEEWALLS WHICH HEIGHT SHALL BE 6'-10" AF (TYPICAL AT FIELD HOUSE RESTROOMS AND LOCKER ROOMS).
- 2) NEW CMU WALLS ERECTED UNDERNEATH EXISTING TO REMAIN DUCTWORK SHALL HAVE A I" GAP BELOW DUCT. GAP TO BE FILLED WITH COMPRESSIBLE FILLER.
- 3) GC SHALL INSTALL 8"x2"x16" WALL CAP ON TOP OF ALL KNEEWALLS. WALL CAP JOINTS TO BE ALIGNED WITH KNEEWALL CMU JOINTS. AT THE DOUBLE KNEEWALL LOCATED AT SHOWERS AREA OF MEN'S LOCKER ROOM #7110 THE WALL CAP SHALL BE INSTALLED PERPENDICULAR TO KNEEWALL DIRECTION.
- 4) ALL NEW CMU SHALL BE SMOOTH FACE TO RECEIVE PAINT AS SCHEDULED.

ACC	ESSORY LEGEND		PLUN	ABING FIXTURES SCHEDULE
ĭ X⊞T	DESCRIPTION		X Z	DESCRIPTION
\ominus	REAR GRAB BAR		(P-1)	WALL HUNG TOILET WITH SENSOR-OPERATED FLUSHOMETER
2	SIDE GRAB BAR		(F-2A)	ONE-USER WASH BASIN W/ SENSOR-
3	VERTICAL GRAB BAR		Q-2A	OPERATED FAUCET & SOAP DISPENSER
4	SHOMER GRAB BAR (LONG)		(P-2B)	TWO-USERS WASH BASIN W/ SENSOR- OPERATED FAUCET & SOAP DISPENSER
Œ	SHOWER GRAB BAR (SHORT)		P-20	THREE-USERS WASH BASIN W/ SENSOR- OPERATED FAUCET & SOAP DISPENSER
6	HAND DRYER	-	(P-3)	WATERLESS URINAL
(TOILET TISSUE DISPENSER	-)	NATEREESS ORINAL
B	PAPER TOWEL DISPENSER		(P-4)	SHOWER TRIM KIT (COMMERCIAL GRADE)
9	MIRROR W/ SHELF (18"×30")		(P-5A)	60" x 36" SHOWER BASE
0	TILT MIRROR W/ SHELF (18"x30")		(P-5B)	36" x 36" SHOWER BASE
	SAN NAPKIN DISPOSAL		P-6	24" × 24" MOP BASIN
(2)	SAN NAPKIN VENDOR		SEE PLU	IMB DWGS FOR PLUMBING FIXTURES SPECS,
(B)	SEAT COVER DISPENSER	١	NOTES A	DETAILS.
(F)	SOAP DISPENSER	ſ		
(F)	BABY CHANGING STATION		PLUN	ABING FIXTURES NOTE:
(A)	FREE STANDING WASTE RECEPTACLE		ALL R	ESTROOM AND LOCKER ROOMS PLUMBING

DRAINAGE RUBBER MAT

171-1 2003 AND W/RI STATE BUILDING CODE SBC-I7. PROVIDE BLOCKING AS REQUIRED FOR ALL RESTROOM FIXTURES AND SHOWER ACCESSORIES. COORD W/ MANUF REQTS.

FIXTURES & ACCESSORIES TO COMPLY W/ ANSI

LEGEND

EXIST WALL CONSTRUCTION

NEW MASONRY WALL (FULL HEIGHT)

> NEW MASONRY KNEEWALL (H=7'-0" AF)

SEE A6.1 FOR ACCESSORIES SPECS, NOTES AND DETAILS.

LOCKERS (W/ 5% ADA COMPLIANT) AUTOMATIC SANITIZER DISPENSER

SHOWER SEAT

SOAP DISH W/ DRAIN

SHOWER CURTAIN ROD

FULL BODY WALL MIRROR

ADA COMPLIANT BENCH

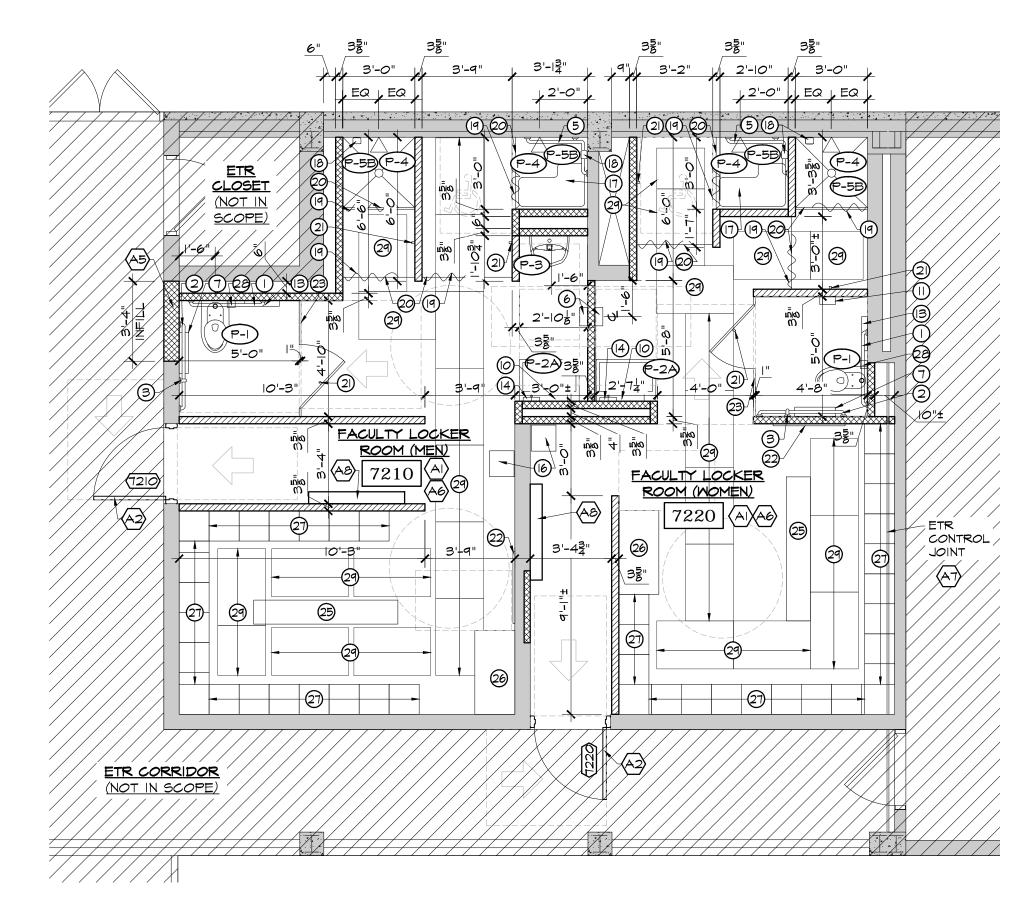
SINGLE COAT HOOK

TOILET PARTITION

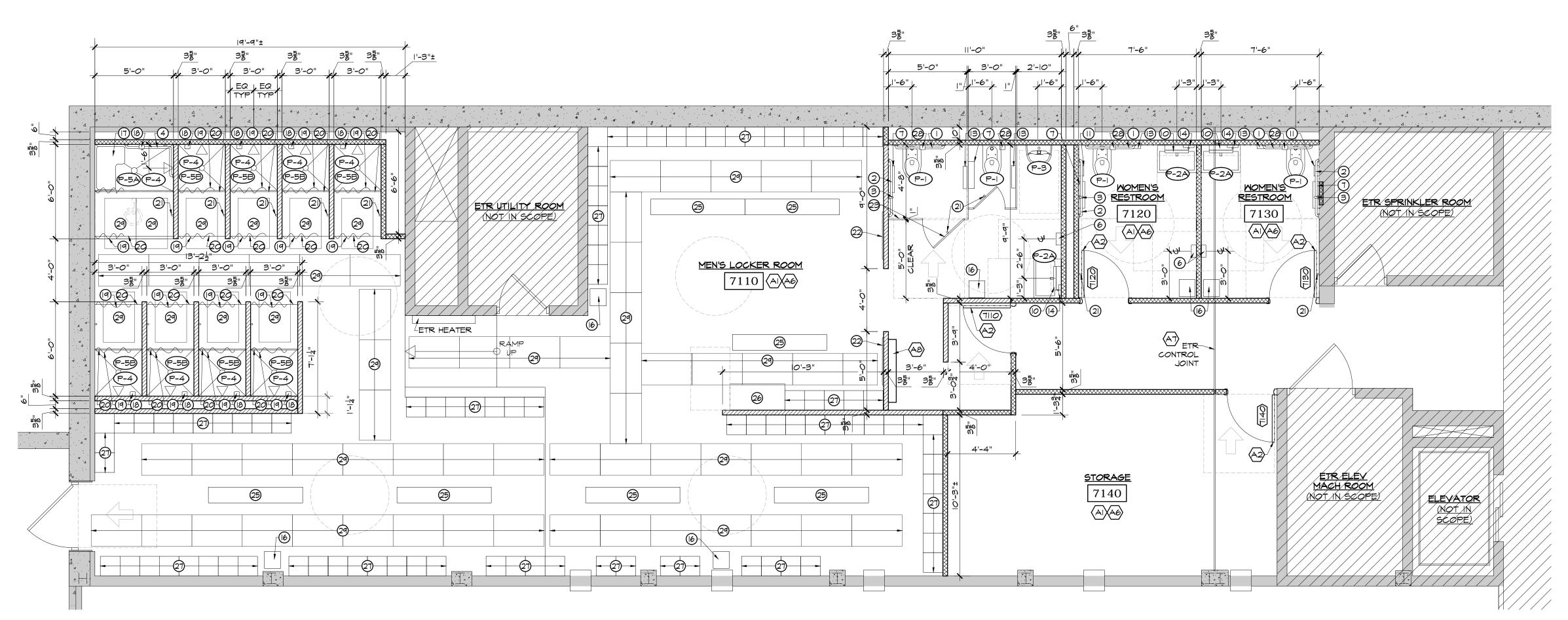
URINAL SCREEN

FIXED BENCH

SHOWER CURTAIN



7210 \$ 7220 FLOOR PLAN A2.1 SCALE: 1/4" = 1'-0"





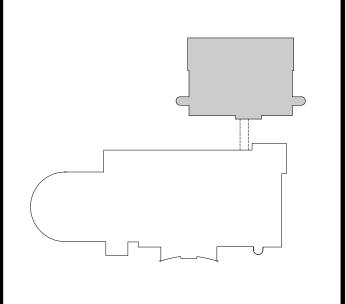
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FOR CONSTRUCTION

PROJECT TITLE



BATHROOM RENOVATIONS KNIGHT CAMPUS

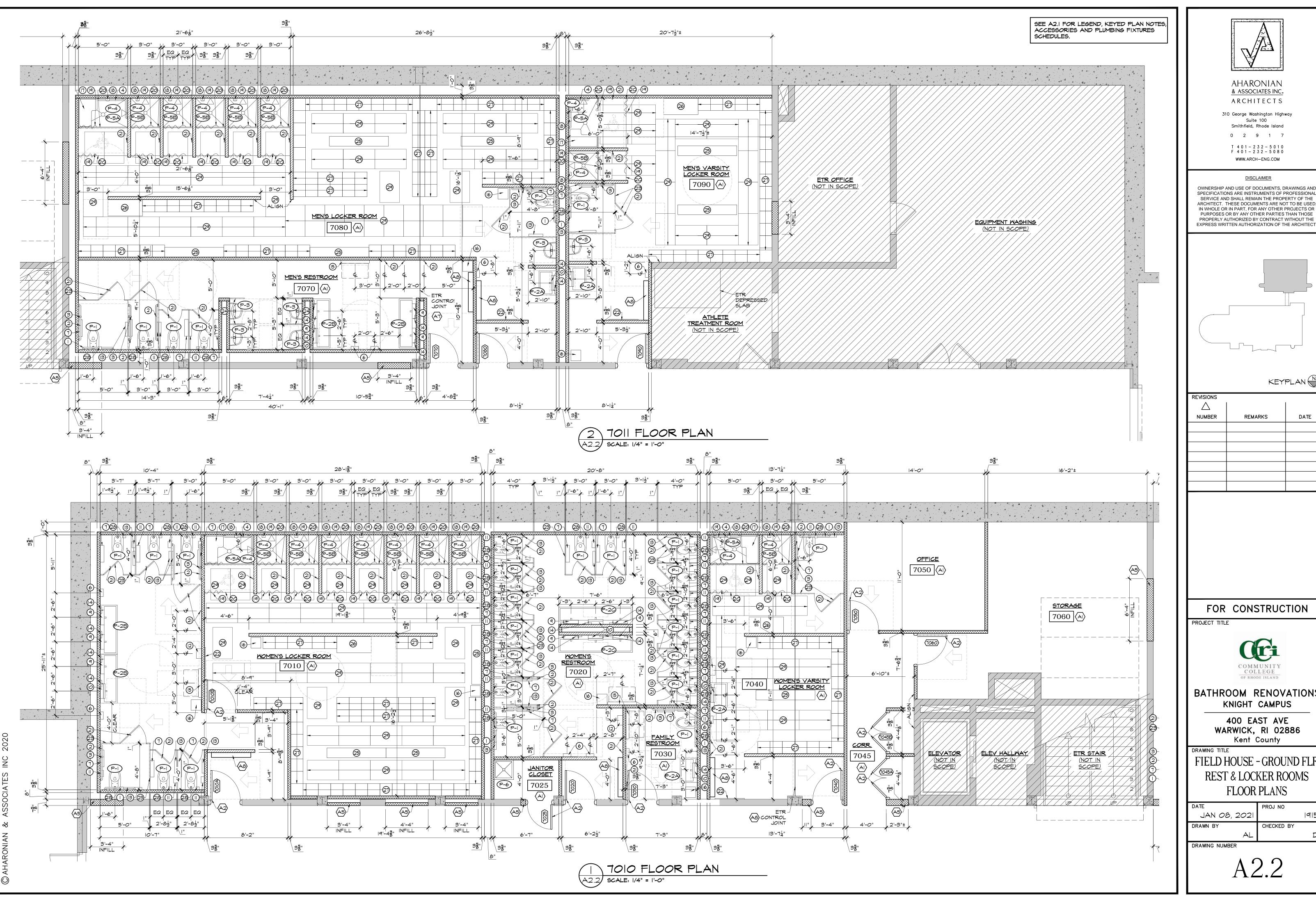
> 400 EAST AVE WARWICK, RI 02886 Kent County

FIELD HOUSE - 1ST & 2ND FLR REST & LOCKER ROOMS FLOOR PLANS

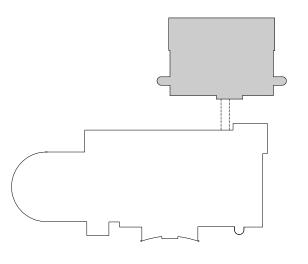
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7110 FLOOR PLAN A2.1 SCALE: 1/4" = 1'-0"



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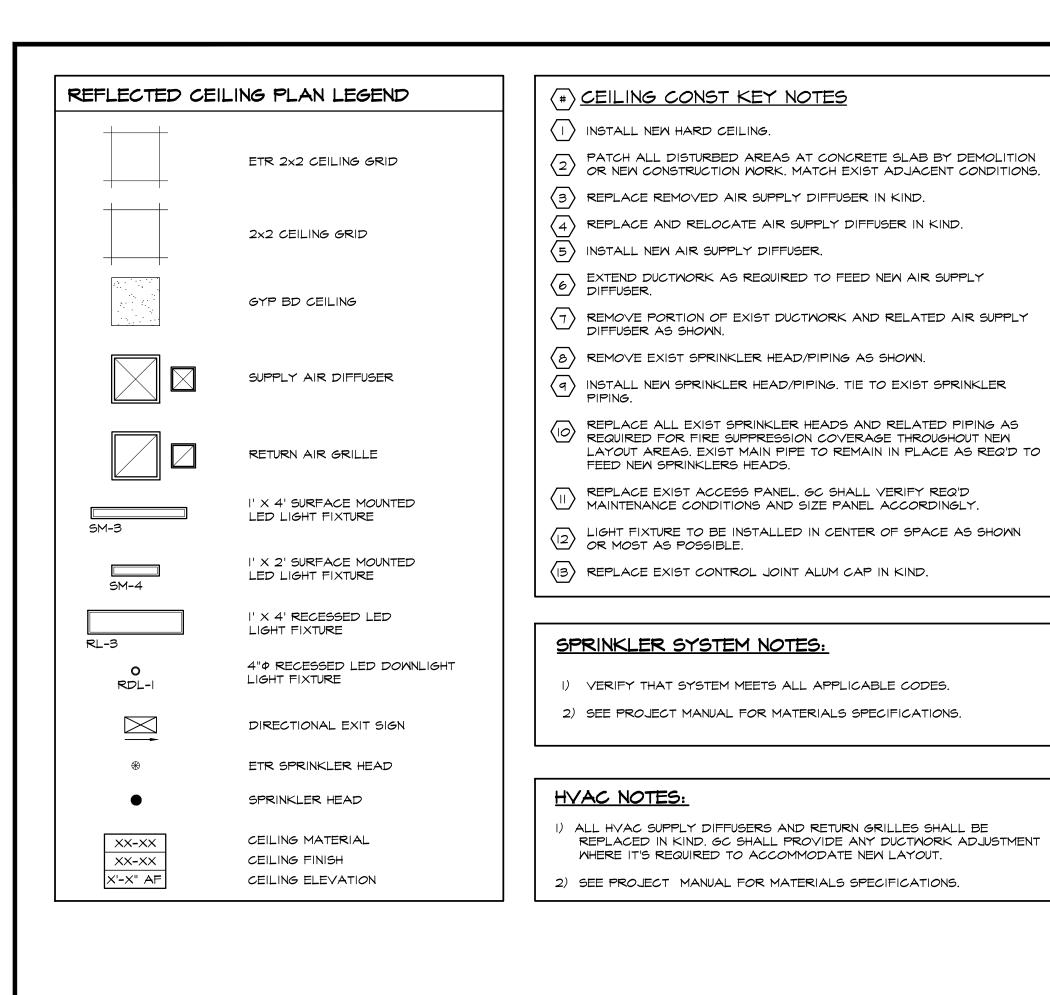
DATE

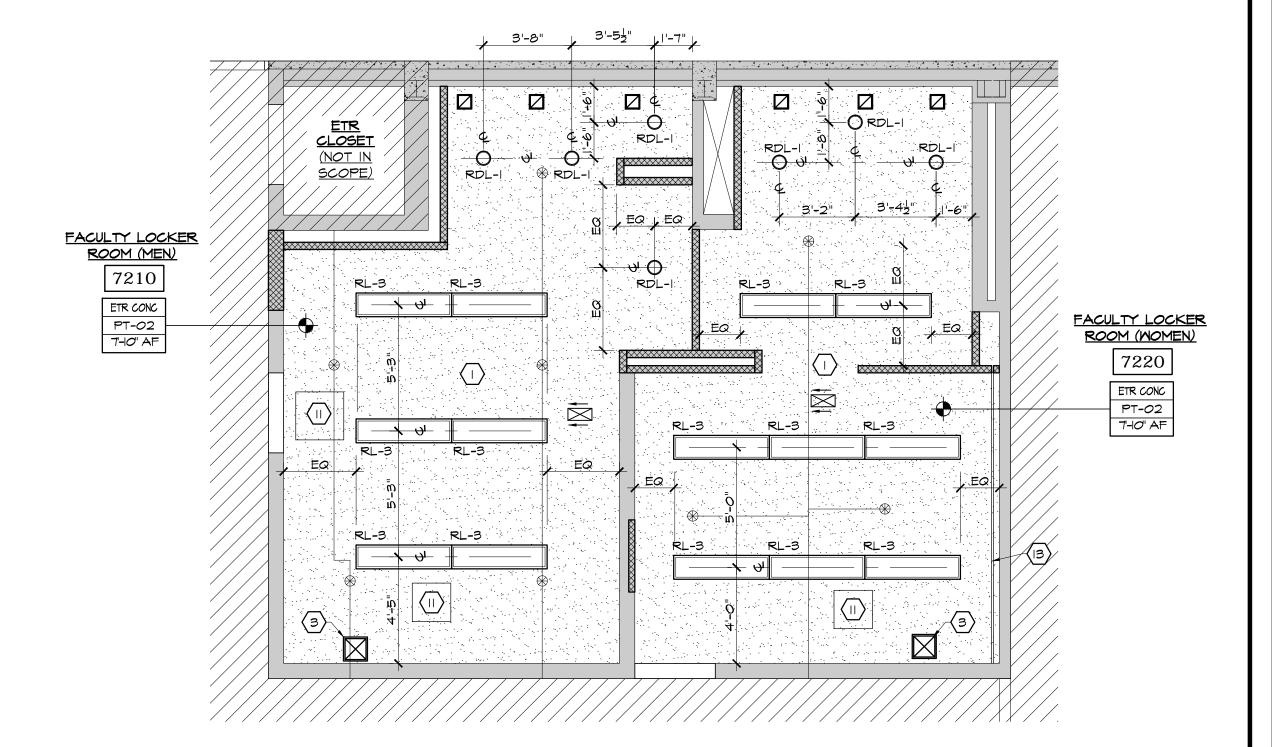
BATHROOM RENOVATIONS

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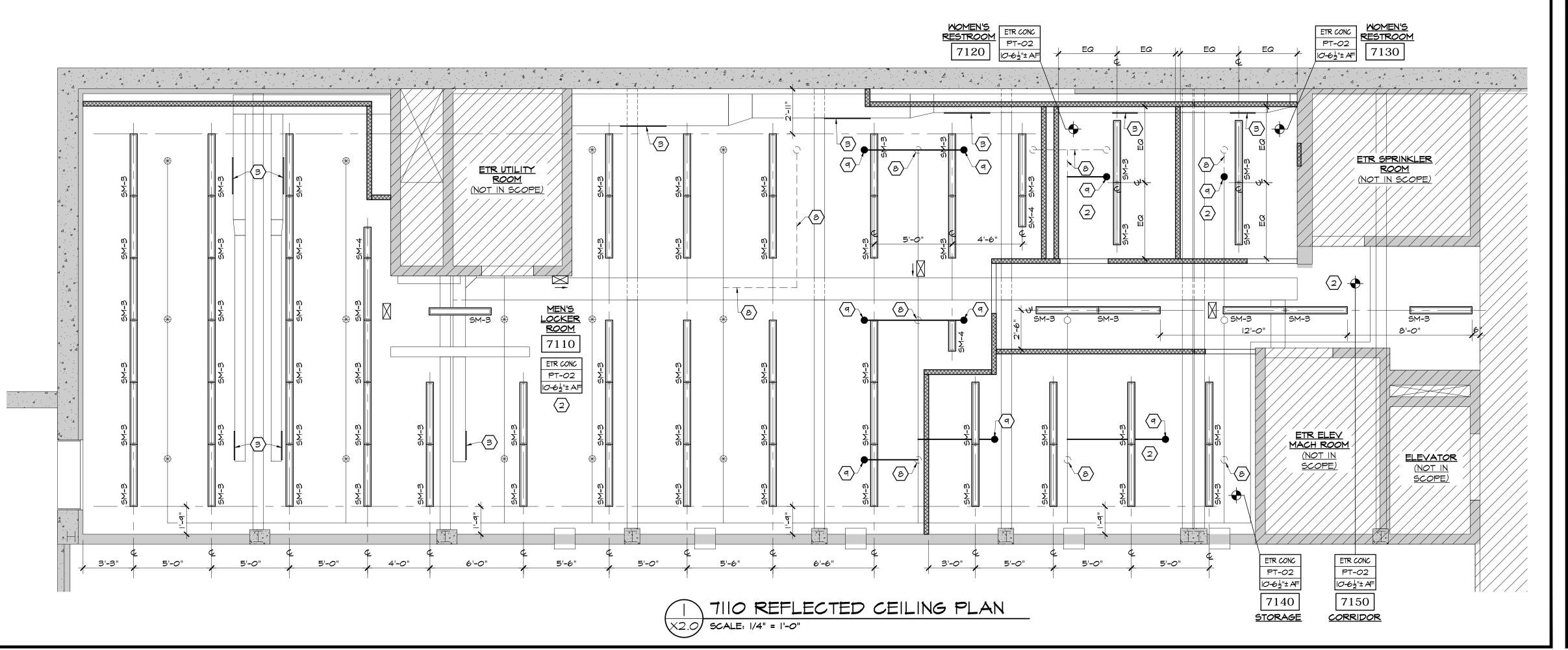
FIELD HOUSE - GROUND FLR REST & LOCKER ROOMS

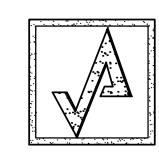
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2 7210 \$ 7220 REFLECTED CEILING PLAN X2.0 SCALE: 1/4" = 1'-0"





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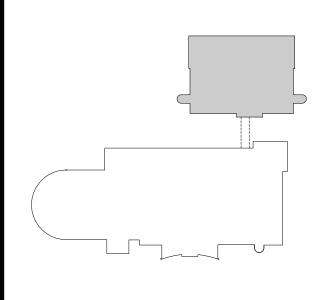
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KEYPLAN (N)

REVISIONS

NUMBER REMARKS DATE

FOR CONSTRUCTION

PROJECT TITLE



BATHROOM RENOVATIONS
KNIGHT CAMPUS

400 EAST AVE WARWICK, RI 02886 Kent County

FIELD HOUSE - 1ST & 2ND FLE REST & LOCKER ROOMS FLOOR PLANS

 DATE
 PROJ NO

 JAN 08, 2021
 19158

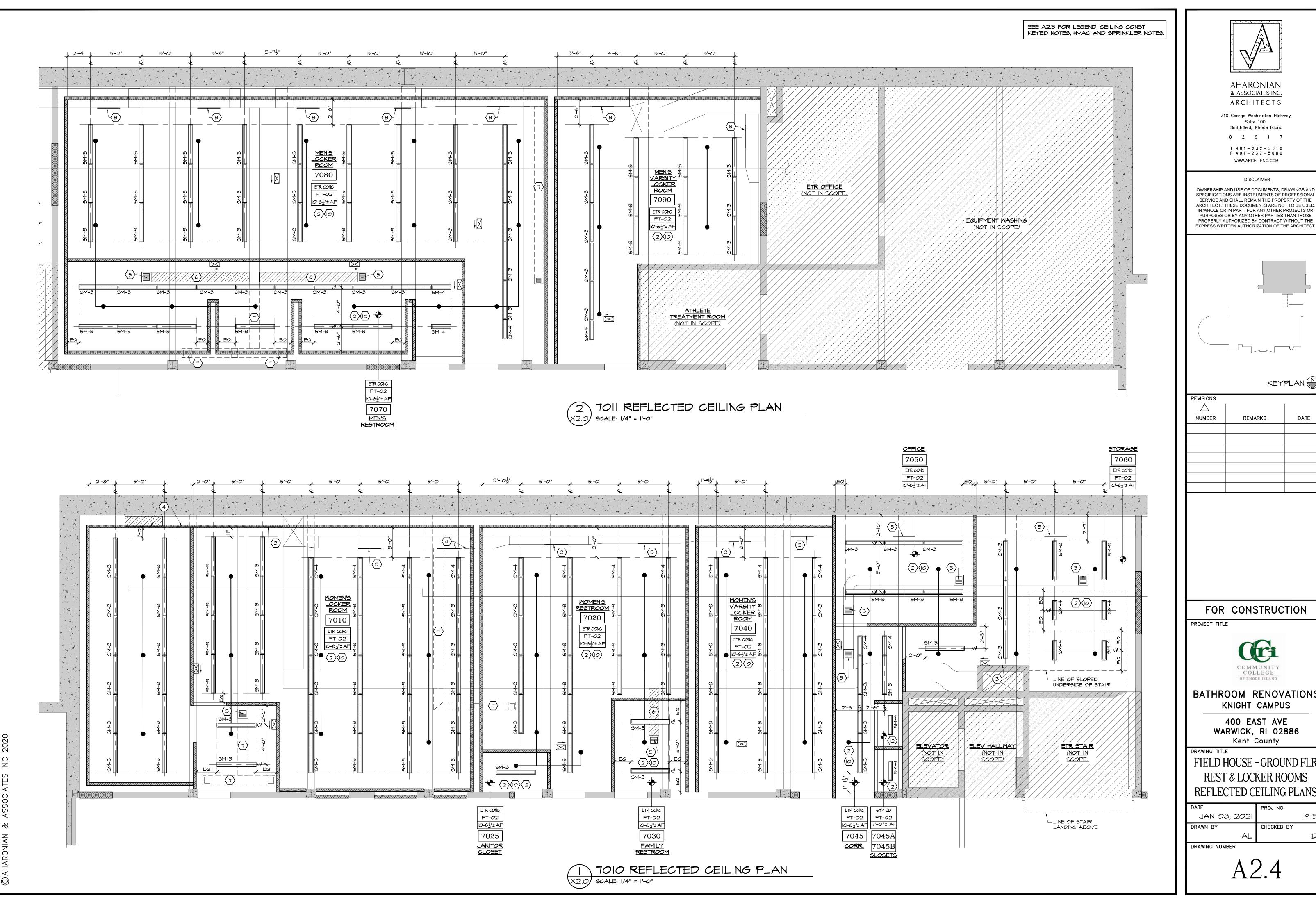
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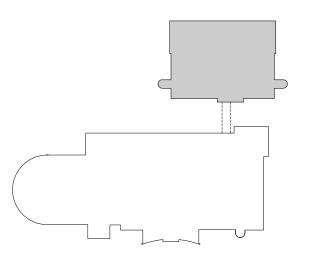


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KEYPLAN N

REMARKS DATE

FOR CONSTRUCTION



BATHROOM RENOVATIONS KNIGHT CAMPUS

> 400 EAST AVE WARWICK, RI 02886

FIELD HOUSE - GROUND FLR REST & LOCKER ROOMS REFLECTED CEILING PLANS

PROJ NO CHECKED BY

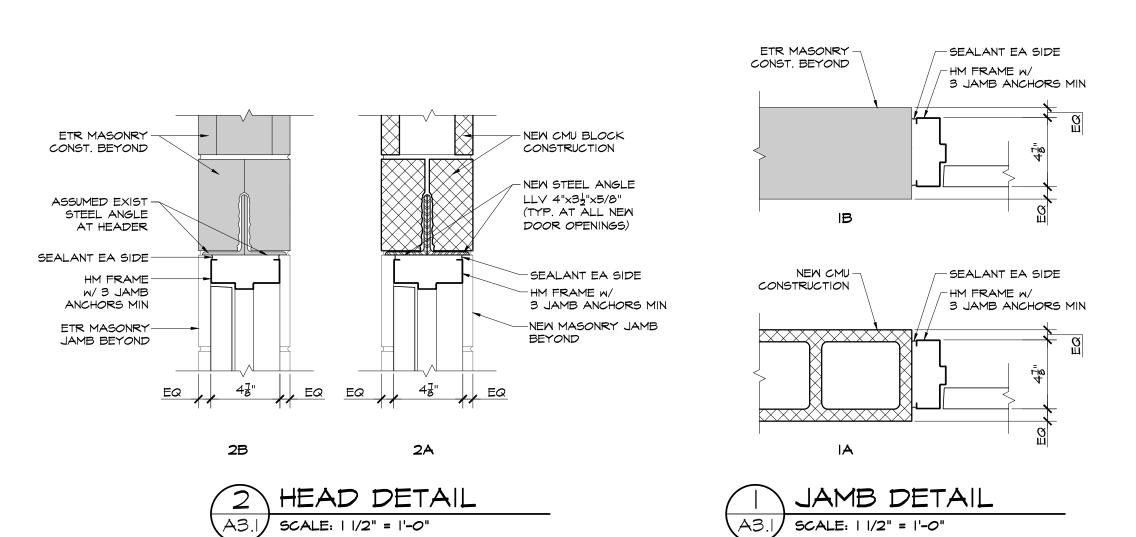
GC NOTE

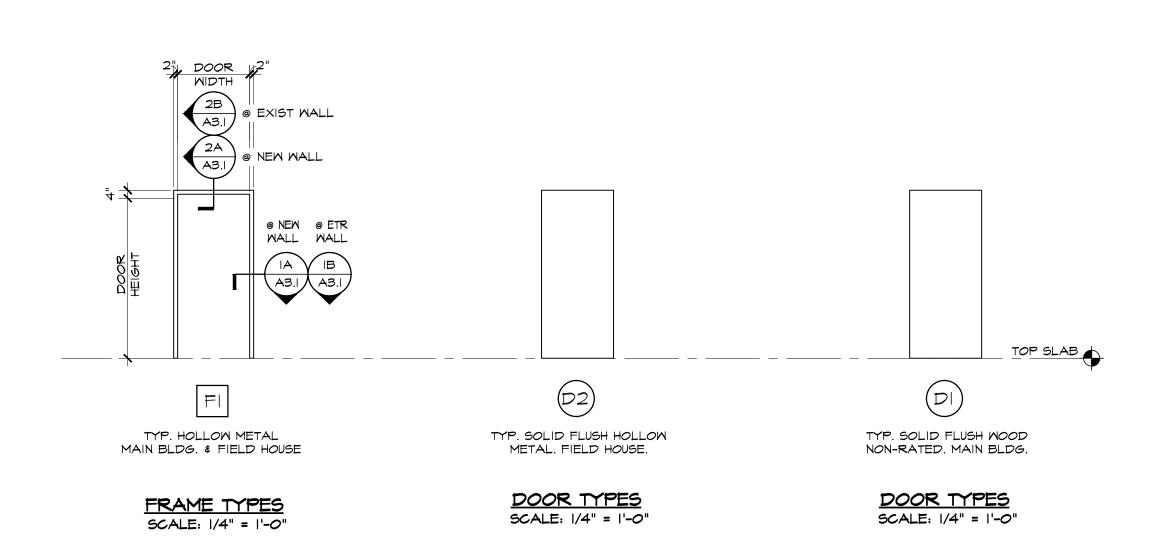
GC SHALL VERIFY EXISTING CONDITIONS IN FIELD PRIOR TO START OF CONSTRUCTION. IF EXISTING CONDITION/STRUCTURE IS DIFFERENT THAN SHOWN & NOTED ON DWGS. GC SHALL CONSULT W/ ARCHITECT PRIOR TO START OF WORK WITH FINDINGS.

HARDWARE NOTE:

SEE PROJECT MANUAL FOR DOOR, FRAME AND HARDWARE SPECIFICATIONS.

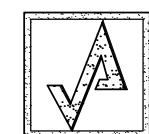
6222 HALLWAY / WOMEN'S RESTROOM





CCR	I BATHROOMS RENOVATION -	Y 	N BUILI	DING	DOO	2 SCHEL	ULE								
	MARK/LOCATION				0	DOOR				i	FRAM	任		HDM	REMARKS
No	ROOM (FROM / TO)	TYPE	MIDTH	HEIGHT	THICK	MAT	FINISH	HEAD DTL	JAMB DTL	SILL DTL	TYPE	MAT	FINISH	SET	
0040	MOMEN'S RESTROOM / HALLWAY	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	2/A3.I	I/A3.I	N/A	EXIST	EXIST	EXIST	5-1	NEW HARDWARE - SALVAGED EXIST DOOR \$ EXIST FRAME
0042	MEN'S RESTROOM / HALLWAY	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	2/A3.I	I/A3.I	ETR	EXIST	EXIST	EXIST	5-1	NEW HARDWARE - SALVAGED EXIST DOOR \$ EXIST FRAME
0082	CORRIDOR / WOMEN'S RESTROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	EXISTING-TO-REMAIN DOOR, FRAME & HARDWARE
0084	CORRIDOR / MEN'S RESTROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	N/A	ETR	ETR	ETR	ETR	EXISTING-TO-REMAIN DOOR, FRAME & HARDWARE
0280	HALLWAY / STAFF LOCKER RM. (WOMEN)	ום	3'-0"	7'-1"	1 3/4"	MOOD	PRE-FIN	2/A3.I	I/A3.I		FI	HM	PRE-FIN	5-3	
0282	STAFF LOCKER RM. (MEN) / HALLWAY													5-3	
0556	HALLWAY / WOMEN'S RESTROOM													5-2	
0564	HALLWAY / MEN'S RESTROOM		—			—	—						—	5-2	
1002	MEN'S RESTROOM / HALLWAY	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST				EXIST	EXIST	EXIST	5-1	NEW HARDWARE - SALVAGED EXIST DOOR \$ EXIST FRAME
1008	MOMEN'S RESTROOM / HALLWAY														NEW HARDWARE - SALVAGED EXIST DOOR \$ EXIST FRAME
1102	MOMEN'S RESTROOM / HALLWAY														NEW HARDWARE - SALVAGED EXIST DOOR \$ EXIST FRAME
1108	MEN'S RESTROOM / HALLWAY					—	—						—		NEW HARDWARE - SALVAGED EXIST DOOR \$ EXIST FRAME
1144	HALLWAY / WOMEN'S RESTROOM	DI	2'-8"	7'-0"	1 3/4"	MOOD	PRE-FIN				FI	HM	PRE-FIN	5-2	
1146	HALLWAY / LACTATION ROOM	DI	2'-8"	7'-0"	1 3/4"	MOOD	PRE-FIN				FI	HM	PRE-FIN	5-3	
1160	CLASSROOM 1150 / MEN'S RESTROOM	DI	2'-8"	7'-0"	1 3/4"	MOOD	PRE-FIN				FI	НМ	PRE-FIN	5-2	
1546	AUDIT. CORRIDOR / WOMEN'S RESTROOM	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST				EXIST	EXIST	EXIST	S-I	NEW HARDWARE - SALVAGED EXIST DOOR \$ EXIST FRAME
2004	MEN'S RESTROOM / HALLWAY														NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME
2008	MOMEN'S RESTROOM / HALLWAY														NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME
2102	MOMEN'S RESTROOM / HALLWAY														NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME
2105	MEN'S RESTROOM / HALLWAY				—	—	—				—	—	—		NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME
2133	2ND. FLR. / WOMEN'S RESTROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	EXISTING-TO-REMAIN DOOR, FRAME & HARDWARE
2 42	HALLWAY / WOMEN'S RESTROOM	DI	3'-0"	7'-1"	1 3/4"	MOOD	PRE-FIN	2/A3.I	I/A3.I	N/A	FI	НМ	PRE-FIN	5-2	
2542	AUDIT. CORRIDOR / MEN'S RESTROOM	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST				FI	HM	PRE-FIN	ETR	NEW HM FRAME
2544	AUDIT. CORRIDOR / WOMEN'S RESTROOM										FI	нм	PRE-FIN		NEW HM FRAME
3002	MEN'S RESTROOM / HALLWAY			1 1		1									NEN HIM FRAME
3008											EXIST	EXIST	ETR	S-I	NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME
	MOMEN'S RESTROOM / HALLWAY										EXIST	EXIST	ETR	5-1	
3101	MOMEN'S RESTROOM / HALLWAY HALLWAY / WOMEN'S RESTROOM										EXIST	EXIST	ETR	5-1	NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME
3103	· · · · · · · · · · · · · · · · · · ·										EXIST	EXIST	ETR	5-1	NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME
	HALLWAY / WOMEN'S RESTROOM										EXIST	EXIST	ETR	5-1	NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME
3103	HALLWAY / WOMEN'S RESTROOM HALLWAY / MEN'S RESTROOM										EXIST	EXIST	ETR	5-1	NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME
3103	HALLWAY / WOMEN'S RESTROOM HALLWAY / MEN'S RESTROOM WOMEN'S RESTROOM / HALLWAY										EXIST	EXIST	ETR	5-1	NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME
31 <i>0</i> 3 31 <i>0</i> 9 3115	HALLWAY / WOMEN'S RESTROOM HALLWAY / MEN'S RESTROOM WOMEN'S RESTROOM / HALLWAY MEN'S RESTROOM / HALLWAY										EXIST	EXIST	ETR	S-I	NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME
31 <i>0</i> 3 31 <i>0</i> 9 3115 3124	HALLWAY / WOMEN'S RESTROOM HALLWAY / MEN'S RESTROOM WOMEN'S RESTROOM / HALLWAY MEN'S RESTROOM / HALLWAY HALLWAY / WOMEN'S RESTROOM										EXIST	EXIST	ETR	9-1	NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME
31 <i>0</i> 3 31 <i>0</i> 9 3115 3124 3125	HALLWAY / WOMEN'S RESTROOM HALLWAY / MEN'S RESTROOM WOMEN'S RESTROOM / HALLWAY MEN'S RESTROOM / HALLWAY HALLWAY / WOMEN'S RESTROOM HALLWAY / WOMEN'S RESTROOM										EXIST	EXIST	ETR	S-I	NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME
31 <i>0</i> 3 31 <i>0</i> 9 3115 3124 3125 4 <i>00</i> 2	HALLWAY / WOMEN'S RESTROOM HALLWAY / MEN'S RESTROOM WOMEN'S RESTROOM / HALLWAY MEN'S RESTROOM / HALLWAY HALLWAY / WOMEN'S RESTROOM HALLWAY / WOMEN'S RESTROOM MEN'S RESTROOM / HALLWAY										EXIST	EXIST	ETR	S-I	NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME
3103 3109 3115 3124 3125 4002 4008	HALLWAY / WOMEN'S RESTROOM HALLWAY / MEN'S RESTROOM WOMEN'S RESTROOM / HALLWAY MEN'S RESTROOM / HALLWAY HALLWAY / WOMEN'S RESTROOM HALLWAY / WOMEN'S RESTROOM MEN'S RESTROOM / HALLWAY WOMEN'S RESTROOM / HALLWAY												ETR	9-1	NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME
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3103 3109 3115 3124 3125 4002 4008 4088	HALLWAY / WOMEN'S RESTROOM HALLWAY / MEN'S RESTROOM WOMEN'S RESTROOM / HALLWAY MEN'S RESTROOM / HALLWAY HALLWAY / WOMEN'S RESTROOM HALLWAY / WOMEN'S RESTROOM MEN'S RESTROOM / HALLWAY WOMEN'S RESTROOM / HALLWAY HALLWAY / WOMEN'S RESTROOM HALLWAY / WOMEN'S RESTROOM	DI	3'-0"	7'- "	1 3/4"	WOOD	PRE-FE								NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME
3103 3109 3115 3124 3125 4002 4008 4088 4089 4578	HALLWAY / WOMEN'S RESTROOM HALLWAY / MEN'S RESTROOM WOMEN'S RESTROOM / HALLWAY MEN'S RESTROOM / HALLWAY HALLWAY / WOMEN'S RESTROOM HALLWAY / WOMEN'S RESTROOM MEN'S RESTROOM / HALLWAY WOMEN'S RESTROOM / HALLWAY HALLWAY / WOMEN'S RESTROOM HALLWAY / WOMEN'S RESTROOM LIBRARY HALLWAY / MEN'S RESTROOM	T .	3'-0" ETR		1 3/4"	WOOD ETR	PRE-FIN ETR	ETR	ETR	ETR	FI	Σ Σ	PRE-FIX	ETR	NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME
3103 3109 3115 3124 3125 4002 4008 4088 4089 4578 4580	HALLWAY / WOMEN'S RESTROOM HALLWAY / MEN'S RESTROOM WOMEN'S RESTROOM / HALLWAY MEN'S RESTROOM / HALLWAY HALLWAY / WOMEN'S RESTROOM HALLWAY / WOMEN'S RESTROOM MEN'S RESTROOM / HALLWAY WOMEN'S RESTROOM / HALLWAY HALLWAY / WOMEN'S RESTROOM HALLWAY / WOMEN'S RESTROOM LIBRARY HALLWAY / MEN'S RESTROOM LIBRARY CORR. / WOMEN'S RESTROOM	DI		7'-1"	1 3/4"			_	ETR I/A3.I	ETR N/A	FI FI	Σ <u>Σ</u>	PRE-FIN PRE-FIN	ETR S-I	NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME
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3103 3109 3115 3124 3125 4002 4008 4088 4089 4578 4578 4580 6076	HALLWAY / WOMEN'S RESTROOM HALLWAY / MEN'S RESTROOM WOMEN'S RESTROOM / HALLWAY MEN'S RESTROOM / HALLWAY HALLWAY / WOMEN'S RESTROOM HALLWAY / WOMEN'S RESTROOM MEN'S RESTROOM / HALLWAY WOMEN'S RESTROOM / HALLWAY HALLWAY / WOMEN'S RESTROOM HALLWAY / MEN'S RESTROOM LIBRARY HALLWAY / MEN'S RESTROOM LIBRARY CORR. / WOMEN'S RESTROOM HALLWAY / WOMEN'S RESTROOM HALLWAY / WOMEN'S RESTROOM HALLWAY / WOMEN'S RESTROOM	DI ETR DI	ETR 3'-0"	7'-1" ETR 7'-1"	3/4" ETR 3/4"	ETR WOOD	ETR PRE-FIN	ETR 2/A3.I	I/A3.I	N/A	FI FI ETR		PRE-FIX PRE-FIX PRE-FIX	ETR S-I	NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR & EXIST FRAME
3103 3109 3115 3124 3125 4002 4008 4088 4089 4578 4580 6076 6078	HALLWAY / WOMEN'S RESTROOM HALLWAY / MEN'S RESTROOM WOMEN'S RESTROOM / HALLWAY MEN'S RESTROOM / HALLWAY HALLWAY / WOMEN'S RESTROOM HALLWAY / WOMEN'S RESTROOM MEN'S RESTROOM / HALLWAY WOMEN'S RESTROOM / HALLWAY HALLWAY / WOMEN'S RESTROOM HALLWAY / MEN'S RESTROOM LIBRARY HALLWAY / MEN'S RESTROOM LIBRARY CORR. / WOMEN'S RESTROOM HALLWAY / WOMEN'S RESTROOM HALLWAY / MEN'S RESTROOM HALLWAY / MEN'S RESTROOM HALLWAY / MEN'S RESTROOM	DI ETR DI	ETR 3'-0"	7'-1" ETR 7'-1"	3/4" ETR 3/4"	ETR WOOD	ETR PRE-FIN	ETR 2/A3.I	I/A3.I	N/A	FI FI ETR		PRE-FIX PRE-FIX PRE-FIX	ETR S-I	NEW HARDWARE - SALVAGED EXIST DOOR \$ EXIST FRAME NEW HARDWARE - SALVAGED EXIST DOOR \$ EXIST FRAME

\longrightarrow M	IARK/LOCATION					DOOR			☐ FRAME HI							REMARKS
No 1	ROOM (FROM / TO)	TYPE	MIDTH	HEIGH"	THICK	MAT	FINISH	HEAD DI	L JAMB D	TL SILL DTL	TYPE	МАТ	FINI	ISH	SET	
TOIOA (SYMNASIUM / WOMEN'S RESTROOM	D2	3'-0"	7'-0"	1 3/4"	НМ	PRE-FIN	FI	FI	FI	FI	НМ	PRE	-FIN	S- 2	
7010B	MOMEN'S LOCKERS / MOMEN'S LOCKERS														5-2	
7020	SYMNASIUM / WOMEN'S RESTROOM														5-3	
7025 .	JANITORS CLOSET / GYMNASIUM														5-3	
7030	SYMNASIUM / FAMILY RESTROOM														S-2	
7040	SYMNASIUM / WOMEN'S VARSITY LOCKERS	—				—	—								5-3	
7045A 9	STORAGE CLOSET / HALLWAY	D2	(2) 2'-0	» 7'-I"	1 3/4"	НМ	PRE-FIN	FI	FI	FI	FI	HM				NEW DOUBLE DOORS
7045B	STORAGE CLOSET / HALLWAY	D2	(2) 2'-0	o" フ'- "	1 3/4"	НМ	PRE-FIN	FI	FI	FI	FI	НМ				NEW DOUBLE DOORS
7050	HALLWAY / OFFICE	D2	3'-0"	7'-1"	1 3/4"	НМ	PRE-FIN	FI	FI	FI	FI	НМ				
7060 1	HALLWAY / STORAGE															
7070	SYMNASIUM / MEN'S RESTROOM														5-2	
7080	SYMNASIUM / MEN'S LOCKER ROOM														5-3	
7090	HALLWAY / MEN'S VARSITY LOCKER RM.															
7110	HALLWAY / MEN'S LOCKER ROOM															
7120	HALLWAY / WOMEN'S REST ROOM														5-2	
7130	HALLWAY / WOMEN'S REST ROOM														S-2	
7140	HALLWAY / STORAGE														s-3	
7210	FACULTY LOCKERS (MEN) / HALLWAY															
7220	FACULTY LOCKERS (MOMEN) / HALLMAY		1 👃								$+ \bot$	$\dagger \perp$		_		



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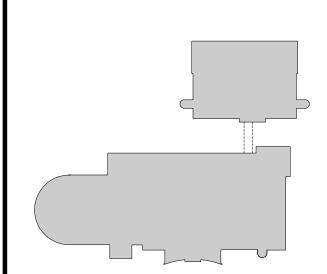
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Smithfield, Rhode Island
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KEYPLAN (N)

REVISIONS ∧

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NUMBER	REMARKS	DATE
I	ADDENDA	08/23/21

FOR CONSTRUCTION

PROJECT TITLE

EXISTING-TO-REMAIN DOOR, FRAME & HARDWARE



BATHROOM RENOVATIONS KNIGHT CAMPUS

400 EAST AVE WARWICK, RI 02886 Kent County

MASTER DOOR
SCHEDULE
& DETAILS

DATE	PROJ NO	
JAN 08, 2021		19158
DRAWN BY	CHECKED BY	
NJB		DH

RAWING NUMBER

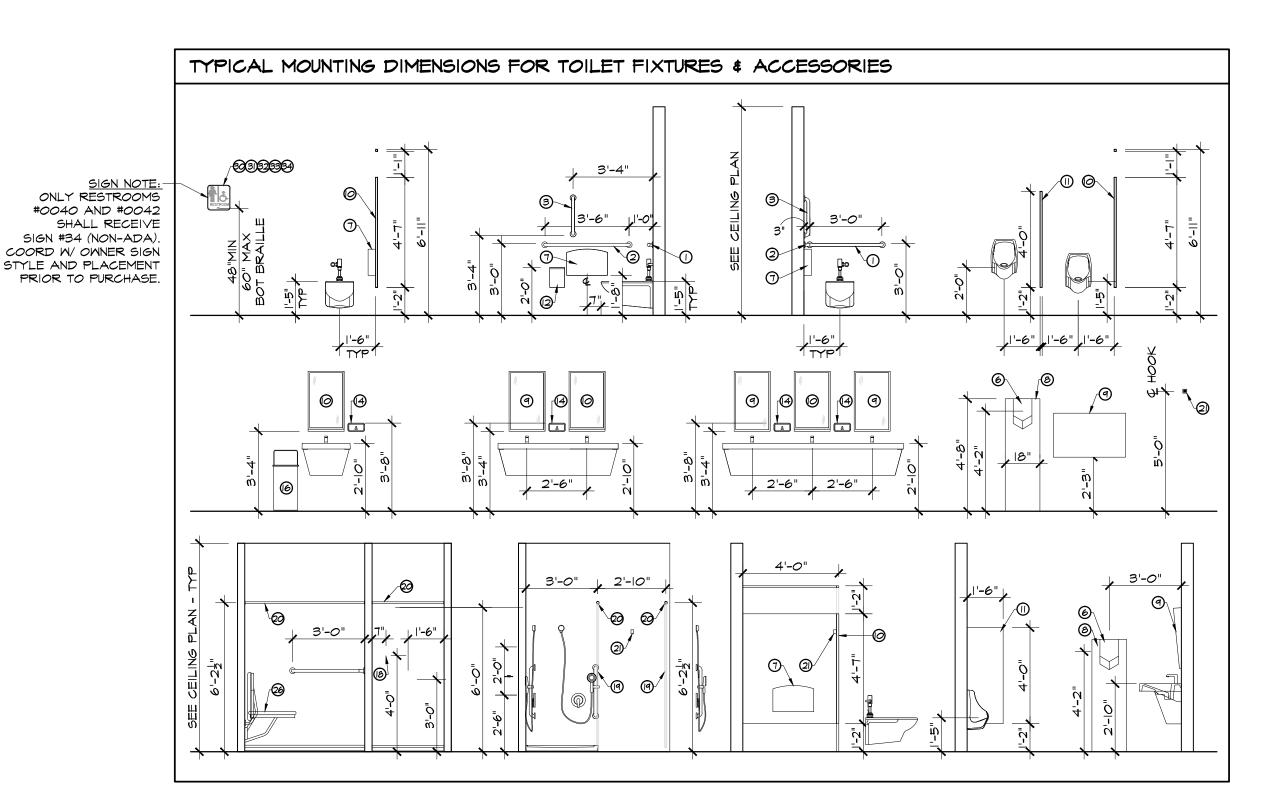
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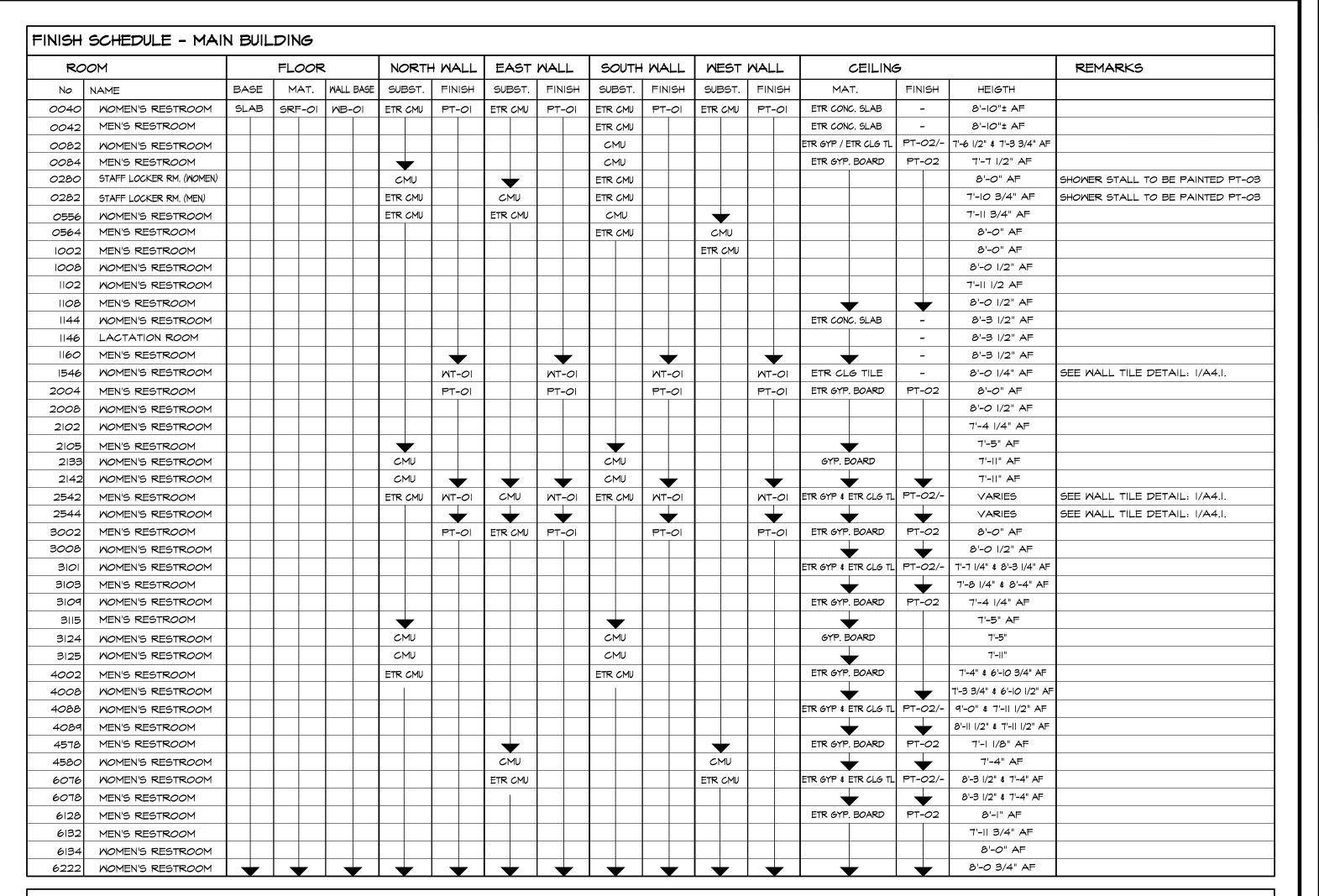
EM	DESCRIPTION	MANUFACTURER	MODEL NUMBER	MTG HEIGHT (AFF)	REMARKS
<u> </u>	REAR GRAB BAR	ASI	3701 - 36"	36" TOP OF UNIT	
<u>)</u> 2)	SIDE GRAB BAR	ASI	3701 - 42"	36" TOP OF UNIT	1/4" DIA, PEENED GRIP, POLISHED ENDS
3	VERTICAL GRAB BAR	ASI	3701 - 18"	39"-41" BOT OF UNIT 39"-41" FRM REAR WALL	I I/4" DIA, PEENED GRIP, POLISHED ENDS
4	COAT HOOK	ASI	3750 - 24"x36"	36" TOP OF UNIT	I I/4" DIA, PEENED GRIP, POLISHED ENDS
5	SHOWER GRAB BAR	ASI	3760 - 18"x30"	36" TOP OF UNIT	I I/4" DIA, PEENED GRIP, POLISHED ENDS
9	HAND DRYER	DYSON	AIRBLADE V	38" MIN - 48" MAX @ SENSOR	COLOR: SPRAYED NICKEL
Ð	TOILET TISSUE DISPENSER	ASI	0039	19" MIN - 44" MAX CENTERLINE OF ROLLS	SURFACE MOUNTED
<u>ම</u>	HAND DRYER STAINLESS STEEL PANEL			4'-8" × 1'-6"	SURFACE MOUNTED
1)	MIRROR W/ SHELF (18"x30")	ASI	0625-1830	69 1/2" TOP OF UNIT	SURFACE MOUNTED
9	TILT MIRROR W/ SHELF (18"x30")	ASI	0537-1830	69 1/2" TOP OF UNIT	SURFACE MOUNTED
\mathbb{D}	SAN NAPKIN DISPOSAL	ASI	0852	44" MAX TOP OF UNIT	SURFACE MOUNTED WOMENS ROOM ONLY
2)	SAN NAPKIN VENDOR	ASI	0864 SEE NOTE #2	38" MIN - 48" MAX @ COIN SLOT	SURFACE MOUNTED WOMENS ROOM ONLY
3	SEAT COVER DISPENSER	ASI	6477-9	44 3/4" TOP OF UNIT	SURFACE MOUNTED
<u>4</u>)	SOAP DISPENSER	ASI	0345		
	BABY CHANGING STATION	ASI	9014 HORIZONTAL	30 1/4" TOP EDGE OF CHANGING TABLE	SURFACE MOUNTED
9	FREE STANDING WASTE RECEPTACLE	ASI	0813	44" TOP OF UNIT	19 GALLONS
Ð	SHOWER SEAT	ASI	8205	SEE NOTE #3	L SHAPED / FOLD-UP / CUSHION PADDED
ව	SOAP DISH W/ DRAIN	ASI	0813	48" MAX	SURFACE MOUNTED
9	SHOWER CURTAIN	ASI	1200-V36 (36") 1200-V48 (48") 1200-V60 (60")		W/ 6 ASI 1200 SHU HOOKS W/ 8 ASI 1200 SHU HOOKS W/ 10 ASI 1200 SHU HOOKS
20	SHOWER CURTAIN ROD	ASI	1204 (36" OR 60")	74 I/2" ROD CENTERLINE	SURFACE MOUNTED W/ ASI 1204-01 FLANGES
2)	SINGLE COAT HOOK	ASI	0714	60"	SURFACE MOUNTED
2	FULL BODY WALL MIRROR	FAB GLASS & MIRROR	36" × 60" VERT	12"	COMPLETE INSTALLATION KIT - SEE NOTE #4
3	TOILET PARTITION	ASI GLOBAL PARTITIONS	STAINLESS STEEL STD FINISH SATIN #4	SEE NOTES #6 # #7	FLOOR ANCHORED W/ ULTIMATE PRIVACY DESIGN
<u></u>	URINAL SCREEN	ASI GLOBAL PARTITIONS	STAINLESS STEEL STD FINISH SATIN #4		WALL-HUNG SCREEN 42" HEIGHT
25)	FIXED BENCH	ASI GLOBAL PARTITIONS	1/4" LACQUERED HARDWOOD	SEE NOTE #5	12" W x 72" L WITH FLOOR ANCHORED TUBULAR PEDESTAL
9	ADA COMPLIANT FIXED BENCH	ASI GLOBAL PARTITIONS	1/4" LACQUERED HARDWOOD	SEE NOTE #5	20" W x 42" L WITH FLOOR ANCHORED TUBULAR PEDESTAL
7	LOCKERS	ASI GLOBAL PARTITIONS	ANGLE FRAME CONNECTION		5% TO BE ADA COMPLIANT. COLO TO BE SELECTED BY OWNER.
<u> </u>	AUTOMATIC SANITIZER DISPENSER	KINGSWAY	US-907 LCD		W/ RL-957 SANITIZER REFILL
9	DRAINAGE RUBBER MAT	AMERICAN FLOOR MATS	PDCMALT		SEE LOCKER ROOMS PLANS FOR DIMENSIONS
9	MOMEN'S ADA RESTROOM SIGN	COMPLIANCE SIGNS	RRE-130	48" MIN / 60" MAX	SURFACE MOUNTED W/ BRAILLE
D	MEN'S ADA RESTROOM SIGN	COMPLIANCE SIGNS	RRE-150	48" MIN / 60" MAX	SURFACE MOUNTED W/ BRAILLE
2)	UNISEX ADA RESTROOM SIGN	COMPLIANCE SIGNS	RRE-14845	48" MIN / 60" MAX	SURFACE MOUNTED W/ BRAILLE
3	UNISEX STAFF RESTROOM SIGN	COMPLIANCE SIGNS	RRE-14834	48" MIN / 60" MAX	SURFACE MOUNTED W/ BRAILLE
34)	UNISEX RESTROOM SIGN	COMPLIANCE SIGNS	RREP-6980	48" MIN / 60" MAX	SURFACE MOUNTED

ACCESSORIES NOTES:

INSTALL UNIT SO THAT CENTER LINE OF TOWEL DISPENSER SLOT IS 54" AFF MAX IF CLEAR FLOOR SIDE REACH ACCESS IS PROVIDED OR 48" AFF MAX IF CLEAR FLOOR FORWARD REACH ACCESS ONLY IS PROVIDED.

- 2. UNIVERSAL COIN MECHANISM ALLOWS FOR 25 CENTS, 50 CENTS AND FREE (NO COIN) OPERATION. GC TO COORDINATE W/ OWNER PRIOR TO PURCHASE.
- 3. WHEN ORDERING GC SHALL COORD IF L SHAPED SHOWER SEAT IS LEFT OR RIGHT HAND CONFIGURATION.
- 4. KIT INCLUDES 1/4" THICK FLAT POLISHED LOW IRON TEMPERED GLASS, COPPER FREE, LEAD FREE WITH MIRROR CLIPS, J BAR, SCREWS FOR J BAR AND SPECIALTY MIRROR ADHESIVE
- 5. BENCHES TOP SURFACE TO BE 17" MIN AND 19" MAX ABOVE FINISHED FLOOR.
- 6 ADA STALL PARTITION DOOR TO HAVE PULLS COMPLYING WITH (404.2.7) ON BOTH SIDES NEAR THE LATCH (604.8.1.2).
- 7. PARTITION DOORS WIDTHS ARE: 32" (SWING OUT) FOR ADA COMPARTMENTS AND 26" (SWING IN) FOR REGULAR COMPARTMENTS.





RC	DOM	FLOOR			NORTH WALL		EAST	ST WALL	SOUTH	SOUTH WALL		MALL	CEILIN	16		REMARKS
No	NAME	BASE	МАТ.	WALL BASE	SUBST.	FINISH	SUBST.	FINISH	SUBST.	FINISH	SUBST.	FINISH	МАТ.	FINISH	HEIGTH	
7010	MOMEN'S LOCKER ROOM	SLAB	LVT-OI	MB-01	CMU	PT-01	CMU	PT-01	CMU	PT-01	CMU	PT-01	ETR CONC. SLAB	PT-02	10'-6"± AF	SHOWER STALL TO BE PAINTED PT-03
7020	MOMEN'S RESTROOM															
7025	JANITOR CLOSET															
7030	FAMILY RESTROOM															
7040	MOMEN'S VARSITY LOCKER ROOM															SHOWER STALL TO BE PAINTED PT-03
7045	CORRIDOR															
7050	OFFICE								—							
7060	STORAGE								ETR CMU							
7070	MEN'S RESTROOM															
7080	MEN'S LOCKER ROOM															SHOWER STALL TO BE PAINTED PT-03
7090	MEN'S VARSITY LOCKER ROOM								—							
7110	MEN'S LOCKER ROOM								ETR CMU							—
7120	WOMEN'S RESTROOM															,
7130	WOMEN'S RESTROOM															
7140	STORAGE						ETR CMU						—			
7210	FACULTY LOCKER ROOM (MEN)												ETR GYP. BOARD	PT-02	7'-10" AF	SHOWER STALL TO BE PAINTED PT-03
7220	FACULTY LOCKER ROOM (WOMEN)		$\top \downarrow$						ETR CMU					1 4		

XX-XX FLOOR FINISH SCHEDULE CODE MATERIAL PRODUCT NO DESCRIPTION / REMARKS FLOOR SRF 6 FT SHEET SEE SRF-OI NOTES SELECTION BY OWNER/ARCHITECT SRF-OI | SLIP RETARDANT FLOORING | ARMSTRONG FROM FULL RANGE OPTIONS ACCESSORIES SELECTION BY OWNER/ARCHITECT INTEGRAL FLASH COVE MB-01 ARMSTRONG 4" HEIGHT COVE FROM FULL RANGE OPTIONS SELECTION BY OWNER/ARCHITECT WR-OI WELD ROD ARMSTRONG SOLID VINYL WELD ROD FROM FULL RANGE OPTIONS

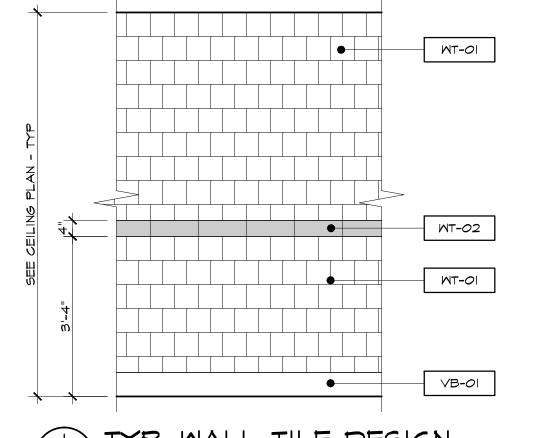
X	XX-XX WALL FINISH SCHEDULE									
	CODE	MATERIAL	MANUFACTURER	PRODUCT NO	DESCRIPTION / REMARKS					
\frac{\frac{1}{2}}{2}	PT-OI	PAINT @ WALLS	SHERWIN WILLIAMS	ALKYD SATIN ENAMEL	COLOR SELECTED BY OWNER					
FINDH TOININ	PT-02	PAINT @ CEILINGS	SHERWIN WILLIAMS	ACRYLIC LATEX	COLOR SELECTED BY OWNER					
	PT-03	PAINT @ SHOWER STALL	SHERWIN WILLIAMS	MACROPOXY 646	COLOR SELECTED BY OWNER					
₹ X	MT-OI	MALL TILE	DALTILE	PEARL WHITE QH63	6" x 6" GLAZED CERAMIC					
	MT-02	MALL TILE	DALTILE	SPRING GREEN QH29	4" x 12" GLAZED CERAMIC					

XX-XX CEILING FINISH SCHEDULE									
CODE	MATERIAL	MANUFACTURER	PRODUCT NO	DESCRIPTION / REMARKS					
ETR GYP BD	EXISTING-TO-REMAIN GYPSUM BOARD CEILING			SEE WALL FINISH SCHEDULE					
ETR CG	EXISTING-TO-REMAIN SUSPENDED CEILING GRID			SEE WALL FINISH SCHEDULE					
ETR CT	EXISTING-TO-REMAIN CEILING TILES								
ETR CONC. SLAB	EXISTING-TO-REMAIN CONCRETE SLAB								
GYP. BD	GYPSUM BOARD CEILING	ARMSTRONG		SEE WALL FINISH SCHEDULE					

SRF-OI NOTES:

- PROVIDE RESILIENT EDGE STRIPS AT ALL FINISH FLOOR TRANSITIONS. EDGE STRIPS
 SHALL BE TAPERED, WITH SAME COLOR AND GAUGE OF SLIP RETARDANT FLOORING.

 GC SHALL STRICTLY FOLLOW ALL PREPARATION / INSTALLATION PROCEDURES
- 2. GC SHALL STRICTLY FOLLOW ALL PREPARATION / INSTALLATION PROCEDURES RECOMMENDED BY MANUFACTURER IN ORDER TO ACHIEVE IO ADDITIONAL YEARS OF LIMITED WARRANTY COVERAGE.



TYP. WALL TILE DESIGN



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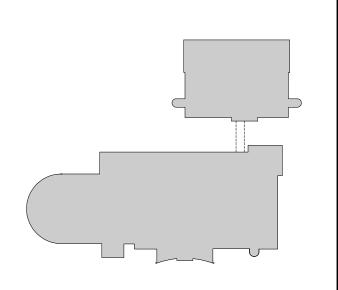
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REVISIONS		
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NUMBER	REMARKS	DATE

FOR CONSTRUCTION

PROJECT TITLE



BATHROOM RENOVATIONS
KNIGHT CAMPUS

400 EAST AVE WARWICK, RI 02886

Kent County

DRAWING TITLE

MASTER
FINISHES SCHEDULES &
MOUNTING DETAILS

DATE	PROJ NO	
JAN 08, 2021		19158
DRAWN BY	CHECKED BY	
NJB		DH
DRAWING NUMBER		

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NIAN & ASSOCIALES

TILE DESIGN

PLUMBING

- PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE PLUMBING SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED
- RUN ALL SOIL WASTE AND VENT PIPING WITH 2% MINIMUM GRADE UNLESS OTHERWISE NOTED (EDIT SLOPE TO SUIT PROJECT REQUIREMENTS). HORIZONTAL VENT PIPING SHALL BE GRADED TO DRIP BACK TO THE SOIL OR WASTE PIPE BY GRAVITY.
- ELEVATIONS AS SHOWN ON THE DRAWINGS ARE TO THE CENTERLINE OF ALL PRESSURE PIPING AND TO THE INVERT OF ALL GRAVITY PIPING.
- ADJUST SEWER INVERTS TO KEEP TOPS OF PIPE IN LINE WHERE PIPE SIZE CHANGES. MAINTAIN A MINIMUM OF 3'6" OF GROUND COVER OVER ALL UNDERGROUND WATER MAINS AND A MINIMUM OF 3'0" OF GROUND COVER OVER ALL UNDERGROUND SEWERS AND DRAINS ENSURE DEPTH OF GROUND COVER SUIT'S FROST LINE DEPTH AND PROJECT REQUIREMENTS.
- PROVIDE SHUTOFF VALVES IN ALL DOMESTIC WATER PIPING SYSTEM BRANCHES IN WHICH BRANCH PIPING SERVES TWO OR MORE FIXTURES.
- UNLESS OTHERWISE NOTED, ALL DOMESTIC COLD AND HOT WATER PIPING SHALL BE 1/2 INCH SIZE. UNLESS OTHERWISE NOTED, ALL PIPING IS OVERHEAD, TIGHT TO UNDERSIDE OF SLAB, WITH SPACE FOR
- INSULATION IF REQUIRED. I. INSTALL PIPING SO THAT ALL VALVES, STRAINERS, UNIONS, TRAPS, FLANGES, AND OTHER
- APPURTENANCES REQUIRING ACCESS ARE ACCESSIBLE. WHERE DOMESTIC COLD AND HOT WATER PIPING DROPS INTO A PIPE CHASE, THE SIZE SHOWN FOR THE
- PIPE DROPS SHALL BE USED TO THE LAST FIXTURE. INSTALL ALL PIPING WITHOUT FORCING OR SPRINGING.
- ALL PIPING SHALL CLEAR DOORS AND WINDOWS. ALL PIPING SHALL GRADE TO LOW POINTS. PROVIDE HOSE END DRAIN VALVES AT THE BOTTOM OF ALL
- RISERS AND LOW POINTS UNIONS AND/OR FLANGES SHALL BE INSTALLED AT EACH PIECE OF EQUIPMENT. IN BYPASSES. AND IN LONG PIPING RUNS (100 FEET OR MORE) TO PERMIT DISASSEMBLY FOR ALTERATION AND REPAIRS.
- ALL VALVES SHALL BE ADJUSTED FOR SMOOTH AND EASY OPERATION. ALL VALVES (EXCEPT CONTROL VALVES) AND STRAINERS SHALL BE FULL SIZE OF PIPE BEFORE REDUCING SIZE TO MAKE CONNECTIONS TO EQUIPMENT AND CONTROLS.
- PROVIDE CHAINWHEEL OPERATORS FOR ALL VALVES IN EQUIPMENT ROOMS MOUNTED GREATER THAN 7'-0" ABOVE FLOOR LEVEL; CHAIN SHALL EXTEND TO 7'-0" ABOVE FLOOR LEVEL.
- PROVIDE ALL PLUMBING FIXTURES AND EQUIPMENT WITH ACCESSIBLE STOPS. UNLESS OTHERWISE NOTED, DRAINS SHALL BE INSTALLED AT THE LOW POINT OF ROOFS, AREAWAYS,
- FLOORS, FTC. PROVIDE CLEANOUTS IN SANITARY AND STORM DRAINAGE SYSTEMS AT ENDS OF RUNS, AT CHANGES IN DIRECTION, NEAR THE BASE OF STACKS, EVERY 50 FEET IN HORIZONTAL RUNS AND ELSEWHERE AS INDICATED HORIZONTAL CLEANOUT SPACING TO SUIT CODE AND PROJECT REQUIREMENTS. ALL CLEANOUTS SHALL BE FULL SIZE OF PIPE FOR PIPE SIZES 6 INCHES AND SMALLER AND SHALL BE 6
- INCHES FOR PIPE SIZES LARGER THAN 6 INCHES. ALL BALANCING VALVES AND BUTTERFLY VALVES SHALL BE PROVIDED WITH POSITION INDICATORS AND
- MAXIMUM ADJUSTABLE STOPS (MEMORY STOPS). ALL VALVES SHALL BE INSTALLED SO THAT VALVE REMAINS IN SERVICE WHEN EQUIPMENT OR PIPING ON
- EQUIPMENT SIDE OF VALVE IS REMOVED. ALL PIPING WORK SHALL BE COORDINATED WITH ALL TRADES INVOLVED. OFFSETS IN PIPING AROUND OBSTRUCTIONS SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
- PROVIDE FLEXIBLE CONNECTIONS IN ALL PIPING SYSTEMS CONNECTED TO PUMPS AND OTHER EQUIPMENT WHICH REQUIRE VIBRATION ISOLATION. FLEXIBLE CONNECTIONS SHALL BE PROVIDED AS CLOSE TO THE EQUIPMENT AS POSSIBLE OR AS INDICATED ON THE DRAWINGS

PIPING NOTES

- PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE PIPING SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE.
- ELEVATIONS AS SHOWN ON THE DRAWINGS ARE TO THE CENTERLINE OF ALL PRESSURE PIPING AND TO THE INVERT OF ALL GRAVITY PIPING.
- MAINTAIN A MINIMUM OF 3'6" OF GROUND COVER OVER ALL UNDERGROUND HVAC PIPING BUT ENSURE FROST LINE IN CONSIDERED AND MET.
- UNLESS OTHERWISE NOTED, ALL CHILLED WATER AND HEATING WATER PIPING SHALL BE 3/4 INCH SIZE (EDIT SYSTEM TYPE OR PIPE SIZE TO SUIT PROJECT REQUIREMENTS). PROVIDE AN AIR VENT AT THE HIGH POINT OF EACH DROP ALL HYDRONIC PIPING SYSTEMS INCLUDING BUT NOT LIMITED TO IN THE HEATING WATER, CHILLED WATER, AND OTHER CLOSED WATER PIPING SYSTEMS (EDIT SYSTEM TYPES TO SUIT PROJECT REQUIREMENTS). ALL PIPING SHALL GRADE TO LOW POINTS. PROVIDE HOSE
- END DRAIN VALVES AT THE BOTTOM OF ALL RISERS AND LOW POINTS. UNLESS OTHERWISE NOTED, ALL PIPING IS OVERHEAD, TIGHT TO UNDERSIDE OF STRUCTURE OR SLAB, WITH SPACE FOR INSULATION IF REQUIRED.
- INSTALL PIPING SO THAT ALL VALVES, STRAINERS, UNIONS, TRAPS, FLANGES, AND OTHER APPURTENANCES
- REQUIRING ACCESS ARE ACCESSIBLE ALL VALVES SHALL BE INSTALLED SO THAT VALVE REMAINS IN SERVICE WHEN EQUIPMENT OR PIPING ON
- EQUIPMENT SIDE OF VALVE IS REMOVED. ALL BALANCING VALVES AND BUTTERFLY VALVES SHALL BE PROVIDED WITH POSITION INDICATORS AND
- MAXIMUM ADJUSTABLE STOPS (MEMORY STOPS) PROVIDE CHAINWHEEL OPERATORS FOR ALL VALVES IN EQUIPMENT ROOMS MOUNTED GREATER THAN 7'-0"
- ABOVE FLOOR LEVEL; CHAIN SHALL EXTEND TO 7'-0" ABOVE FLOOR LEVEL. ALL VALVES (EXCEPT CONTROL VALVES) AND STRAINERS SHALL BE FULL SIZE OF PIPE BEFORE REDUCING SIZE
- TO MAKE CONNECTIONS TO EQUIPMENT AND CONTROLS.
- UNIONS AND/OR FLANGES SHALL BE INSTALLED AT EACH PIECE OF EQUIPMENT, IN BYPASSES, AND IN LONG PIPING RUNS (100 FEET OR MORE) TO PERMIT DISASSEMBLY FOR ALTERATION AND REPAIRS. PITCH STEAM PIPING DOWNWARD IN THE DIRECTION OF FLOW 1/4 INCH IN 10 FEET (1 INCH IN 40 FEET) MINIMUM. PITCH ALL STEAM RETURN LINES DOWNWARD IN THE DIRECTION OF CONDENSATE FLOW 1/2 INCH PER 10 FEET (1

INCH IN 20 FEET) MINIMUM. WHERE LENGTH OF BRANCH LINES ARE LESS THAN 8 FEET, PITCH BRANCH LINES

- TOWARD MAINS 1/2 INCH PER FOOT MINIMUM. PITCH UP ALL STEAM AND CONDENSATE RUNOUTS TO RISERS AND EQUIPMENT 1/2 INCH PER FOOT. WHERE THIS PITCH CANNOT BE OBTAINED, RUNOUTS OVER 8 FEET IN LENGTH SHALL BE ONE SIZE LARGER THAN NOTED.
- TAP ALL BRANCH LINES FROM TOP OF STEAM MAINS (45 DEGREES PREFERRED, 90 DEGREES ACCEPTABLE) PROVIDE AN END OF MAIN DRIP AT EACH RISE IN THE STEAM MAIN. PROVIDE CONDENSATE DRIPS AT THE BOTTOM OF ALL STEAM RISERS, DOWNFED RUNOUTS TO EQUIPMENT, RADIATORS, ETC., AT END OF MAINS AND LOW POINTS, AND AHEAD OF ALL PRESSURE REGULATORS, CONTROL VALVES, ISOLATION VALVES, AND
- ON STRAIGHT STEAM PIPING RUNS WITH NO NATURAL DRAINAGE POINTS, INSTALL DRIP LEGS AT INTERVALS NOT EXCEEDING 200 FEET WHERE PIPE IS PITCHED DOWNWARD IN THE DIRECTION OF STEAM FLOW AND A MAXIMUM OF 100 FEET WHERE THE PIPE IS PITCHED UP SO THAT CONDENSATE FLOW IS OPPOSITE OF STEAM FLOW.
- STEAM TRAPS SHALL BE MINIMUM 3/4" SIZE.
- INSTALL ALL PIPING WITHOUT FORCING OR SPRINGING. ALL PIPING SHALL CLEAR DOORS AND WINDOWS.

Revision #1- REBID

ISSUED FOR CONSTRUCTION

- ALL VALVES SHALL BE ADJUSTED FOR SMOOTH AND EASY OPERATION.
- ALL PIPING WORK SHALL BE COORDINATED WITH ALL TRADES INVOLVED. OFFSETS IN PIPING AROUND
- OBSTRUCTIONS SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER. PROVIDE FLEXIBLE CONNECTIONS IN ALL PIPING SYSTEMS CONNECTED TO PUMPS, CHILLERS, COOLING TOWERS, AND OTHER EQUIPMENT WHICH REQUIRE VIBRATION ISOLATION EXCEPT WATER COILS. FLEXIBLE CONNECTIONS SHALL BE PROVIDED AS CLOSE TO THE EQUIPMENT AS POSSIBLE OR AS INDICATED ON THE
- X. SLOPE REFRIGERANT PIPING ONE PERCENT IN THE DIRECTION OF OIL RETURN. LIQUID LINES MAY BE INSTALLED
- Y. INSTALL HORIZONTAL REFRIGERANT HOT GAS DISCHARGE PIPING WITH 1/2" PER 10 FEET DOWNWARD SLOPE AWAY FROM THE COMPRESSOR.Z. INSTALL HORIZONTAL REFRIGERANT SUCTION LINES WITH 12" PER 10 FEET DOWNWARD SLOPE TO THE COMPRESSOR, WITH NO LONG TRAPS OR DEAD ENDS WHICH MAY CAUSE OIL TO SEPARATE FROM THE SUCTION GAS AND RETURN TO THE COMPRESSOR IN DAMAGING SLUGS.
- PROVIDE LINE SIZE LIQUID INDICATORS IN MAIN LIQUID LINE LEAVING CONDENSER OR RECEIVER. INSTALL MOISTURE-LIQUID INDICATORS IN LIQUID LINES BETWEEN FILTER DRYERS AND THERMOSTATIC EXPANSION VALVES AND IN LIQUID LINE TO RECEIVER.
- AA. PROVIDE LINE SIZE STRAINER UPSTREAM OF EACH AUTOMATIC VALVE. PROVIDE SHUTOFF VALVE ON EACH SIDE OF STRAINER BB. PROVIDE PERMANENT FILTER DRYERS IN LOW TEMPERATURE SYSTEMS AND SYSTEMS USING HERMETIC
- CC. PROVIDE REPLACEABLE CARTRIDGE FILTER DRYERS WITH THREE VALVE BYPASS ASSEMBLY FOR SOLENOID VALVES, ADJACENT TO RECEIVERS.
- DD. PROVIDE REFRIGERANT CHARGING VALVE CONNECTIONS IN LIQUID LINE BETWEEN RECEIVER SHUTOFF VALVE AND EXPANSION VALVE.

GENERAL NOTES

- THERE SHALL BE NO SERVICE INTERRUPTION
 - PRIOR TO COMMENCING WORK CONTRACTOR SHALL VERIFY EXACT LOCATION OF DOMESTIC WATER, VENT AND DEPTH OF EXISTING SEWER LINES IN THE FIELD.
 - a. ALL PIPING SHALL BE IDENTIFIED ON REDLINE DRAWINGS TO BE PROVIDED BY CONTRACTOR TO ENGINEER, OWNER AND ARCHITECT. INCLUDING SIZE, INVERT ELEVATIONS, DIRECTION OF FLOW PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND

OPERABLE MECHANICAL SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY

- CONTRACT DOCUMENT DRAWINGS FOR MECHANICAL WORK (HVAC, PLUMBING, AND FIRE PROTECTION) ARE
- DIAGRAMMATIC AND ARE INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY.
- INSTALL ALL MECHANICAL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURERS'
- RECOMMENDATIONS, CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS. ALL PIPING ON THIS PLAN SHALL BE CONCEALED UNLESS OTHERWISE NOTED.
- REPAIR PAVING/FLOOR AFTER INSTALLATION AND INSPECTION OF UTILITIES INSTALLED. PAINT FLOOR TO MATCH PREVIOUS OR MATCH AND COMPLY WITH ARCHITECTURAL DRAWINGS. CONTRACTOR TO RECONNECT EXISTING ELECTRICAL GROUNDING/BONDING TO COLD WATER PIPING SYSTEM.
- PROVIDE VIBRATION ISOLATION FOR ALL MECHANICAL EQUIPMENT TO PREVENT TRANSMISSION OF VIBRATION PROVIDE VIBRATION ISOLATORS FOR ALL PIPING SUPPORTS CONNECTED TO AND WITHIN 50 FEET OF ISOLATED EQUIPMENT (EXCEPT AT BASE ELBOW SUPPORTS AND ANCHOR POINTS) THROUGHOUT
- MECHANICAL EQUIPMENT ROOMS. DO THE SAME FOR SUPPORTS OF STEAM MAINS WITHIN 50 FEET OF BOILER OR PRESSURE REDUCING VALVES. PROVIDE VIBRATION ISOLATORS FOR ALL PIPING SUPPORTS OF STEAM MAINS WITHIN 50 FEET OF BOILERS
- AND PRESSURE REDUCING VALVES. THE LOCATION OF EXISTING UNDERGROUND/UNDERSLAB UTILITIES IS SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE
- COMMENCING WORK, THE CONTRACTOR SHALL PAY FOR AND REPAIR ALL DAMAGES CAUSED BY FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES UNLESS OTHERWISE INDICATED. COORDINATE CONSTRUCTION OF ALL MECHANICAL WORK WITH ARCHITECTURAL, STRUCTURAL, CIVIL,
- ELECTRICAL WORK, ETC., SHOWN ON OTHER CONTRACT DOCUMENT DRAWINGS. MAINTAIN A MINIMUM OF 6'-8" CLEARANCE TO UNDERSIDE OF PIPES, DUCTS, CONDUITS, SUSPENDED EQUIPMENT, ETC., THROUGHOUT ACCESS ROUTES IN MECHANICAL ROOMS.
- ALL TESTS SHALL BE COMPLETED BEFORE ANY MECHANICAL EQUIPMENT OR PIPING INSULATION IS APPLIED. LOCATE ALL TEMPERATURE, PRESSURE, AND FLOW MEASURING DEVICES IN ACCESSIBLE LOCATIONS WITH STRAIGHT SECTION OF PIPE OR DUCT UP- AND DOWNSTREAM AS RECOMMENDED BY THE MANUFACTURER FOR GOOD ACCURACY. PROVIDE ACCESS PANELS WHERE REQUIRED.
- TESTING, ADJUSTING, AND BALANCING AGENCY SHALL BE A MEMBER OF THE ASSOCIATED AIR BALANCE COUNCIL (AABC) OR THE NATIONAL ENVIRONMENTAL BALANCING BUREAU (NEBB). TESTING, ADJUSTING, AND
- BALANCING SHALL BE PERFORMED IN ACCORDANCE WITH THE AABC STANDARDS. WHERE TWO OR MORE ITEMS OF THE SAME TYPE OF EQUIPMENT ARE REQUIRED, THE PRODUCT OF ONE MANUFACTURER SHALL BE USED.
- REINFORCEMENT, DETAILING, AND PLACEMENT OF CONCRETE SHALL CONFORM TO ASTM 315 AND ACI 318. CONCRETE SHALL CONFORM TO ASTM C94. CONCRETE WORK SHALL CONFORM TO ACI 318, PART ENTITLED "CONSTRUCTION REQUIREMENTS." COMPRESSIVE STRENGTH IN 28 DAYS SHALL BE 3,000 PSI. TOTAL AIR CONTENT OF EXTERIOR CONCRETE SHALL BE BETWEEN 5 AND 7 PERCENT BY VOLUME. SLUMP SHALL BE BETWEEN 3 AND 4 INCHES. CONCRETE SHALL BE CURED FOR 7 DAYS AFTER PLACEMENT. COORDINATE ALL EQUIPMENT CONNECTIONS WITH MANUFACTURERS' CERTIFIED DRAWINGS. COORDINATE AND PROVIDE ALL DUCT AND PIPING TRANSITIONS REQUIRED FOR FINAL EQUIPMENT CONNECTIONS TO FURNISHED EQUIPMENT. FIELD VERIFY AND COORDINATE ALL DUCT AND PIPING DIMENSIONS BEFORE
- **FABRICATION** ALL CONTROL WIRE AND CONDUIT SHALL COMPLY WITH THE NATIONAL ELECTRIC CODE AND DIVISION 16 OF THE SPECIFICATION.
- Q. CONCRETE HOUSEKEEPING PADS TO SUIT MECHANICAL EQUIPMENT SHALL BE SIZED AND LOCATED BY THE MECHANICAL CONTRACTOR. MINIMUM CONCRETE PAD THICKNESS SHALL BE 6 INCHES. PAD SHALL EXTEND BEYOND THE EQUIPMENT A MINIMUM OF 6 INCHES ON EACH SIDE. CONCRETE HOUSEKEEPING PADS SHALL BE PROVIDED BY THE GENERAL CONTRACTOR. IT SHALL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR TO COORDINATE SIZE AND LOCATION OF CONCRETE HOUSEKEEPING PADS WITH GENERAL CONTRACTOR.
- ALL MECHANICAL ROOM DOORS SHALL BE A MINIMUM OF 4'-0" WIDE.
- WHERE BEAMS ARE INDICATED TO BE PENETRATED WITH DUCTWORK OR PIPING, COORDINATE DUCTWORK AND PIPING LAYOUT WITH BEAM OPENING SIZE AND OPENING LOCATIONS. COORDINATION SHALL BE DONE PRIOR TO FABRICATION OF DUCTWORK, CUTTING OF PIPING, OR FABRICATION OF BEAMS.
- WHEN MECHANICAL WORK (HVAC, PLUMBING, SHEET METAL, FIRE PROTECTION, ETC.) IS SUBCONTRACTED, IT SHALL BE THE MECHANICAL CONTRACTOR'S RESPONSIBILITY TO COORDINATE SUBCONTRACTORS AND THE ASSOCIATED CONTRACTS. WHEN DISCREPANCIES ARISE PERTAINING TO WHICH CONTRACTOR PROVIDES A PARTICULAR ITEM OF THE MECHANICAL CONTRACT OR WHICH CONTRACTOR PROVIDES FINAL CONNECTIONS FOR A PARTICULAR ITEM OF THE MECHANICAL CONTRACT, IT SHALL BE BROUGHT TO THE ATTENTION OF THE
- MECHANICAL CONTRACTOR, WHOSE DECISION SHALL BE FINAL. THE LOCATIONS OF ALL ITEMS SHOWN ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS THAT ARE NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE ONLY. THE EXACT LOCATIONS NECESSARY TO SECURE THE BEST CONDITIONS AND RESULTS MUST BE DETERMINED BY THE PROJECT SITE CONDITIONS AND
- ALL MISCELLANEOUS STEEL REQUIRED TO ENSURE PROPER INSTALLATION AND AS SHOWN IN DETAILS FOR PIPING, DUCTWORK, AND EQUIPMENT (UNLESS OTHERWISE NOTED) SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR.

SHALL HAVE THE APPROVAL OF THE ENGINEER BEFORE BEING INSTALLED. DO NOT SCALE DRAWINGS.

- PROVIDE ACCESS PANELS FOR INSTALLATION IN WALLS AND CEILINGS, WHERE REQUIRED, TO SERVICE DAMPERS, VALVES, SMOKE DETECTORS, AND OTHER CONCEALED MECHANICAL EQUIPMENT. ACCESS PANELS SHALL BE TURNED OVER TO GENERAL CONTRACTOR FOR INSTALLATION.
- ALL EQUIPMENT, PIPING, DUCTWORK, ETC., SHALL BE SUPPORTED AS DETAILED, SPECIFIED, AND REQUIRED TO PROVIDE A VIBRATION FREE INSTALLATION.
- ALL DUCTWORK, PIPING AND EQUIPMENT SUPPORTED FROM STRUCTURAL STEEL SHALL BE COORDINATED WITH GENERAL CONTRACTOR. ALL ATTACHMENTS TO STEEL BAR JOISTS, TRUSSES, OR JOIST GIRDERS SHALL
- BE AT PANEL POINTS. PROVIDE BEAM CLAMPS MEETING MSS STANDARDS. WELDING TO STRUCTURAL MEMBERS SHALL NOT BE PERMITTED. THE USE OF C-CLAMPS SHALL NOT BE
- MECHANICAL EQUIPMENT, DUCTWORK, AND PIPING SHALL NOT BE SUPPORTED FROM METAL DECK. ALL ROOF MOUNTED EQUIPMENT CURBS FOR EQUIPMENT PROVIDED BY THE MECHANICAL CONTRACTOR SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR AND INSTALLED BY THE GENERAL CONTRACTOR.
- LOCATIONS AND SIZES OF ALL FLOOR, WALL, AND ROOF OPENINGS SHALL BE COORDINATED WITH ALL OTHER ALL OPENINGS IN FIRE WALLS DUE TO DUCTWORK, PIPING, CONDUIT, ETC., SHALL BE FIRE STOPPED WITH A
- PRODUCT SIMILAR TO 3M OR APPROVED EQUAL. JJ. ALL AIR CONDITIONING CONDENSATE DRAIN LINES FROM EACH AIR HANDLING UNIT AND ROOFTOP UNIT SHALL BE PIPED FULL SIZE OF THE UNIT DRAIN OUTLET, WITH "P" TRAP, AND PIPED TO NEAREST DRAIN. SEE DETAILS SHOWN ON THE DRAWINGS OR THE CONTRACT SPECIFICATIONS FOR DEPTH OF AIR CONDITIONING
- KK. REFER TO TYPICAL DETAILS FOR DUCTWORK, PIPING, AND EQUIPMENT INSTALLATION.

DISCIPLINE	SHEET NUMBER	SHEET NAME	REVISION	Sheet Issu Date	e Approved By
PLUMBING	P0.01	PLUMBING GENERAL	ISSUE FOR	08JAN21	AG
PLUMBING	P0.02	PLUMBING GENERAL	CONSTRUCTION ISSUE FOR	08JAN21	AG
PLUMBING	P1.00A	(DEMO) GROUND FLOOR A	CONSTRUCTION ISSUE FOR	08JAN21	AG
PLUMBING	P1.00B	(DEMO) GROUND FLOOR B	CONSTRUCTION ISSUE FOR	08JAN21	AG
PLUMBING	P1.00C	(DEMO) GROUND FLOOR C	CONSTRUCTION ISSUE FOR	08JAN21	AG
PLUMBING	P1.01A	(DEMO) FIRST FLOOR SCOPE A	CONSTRUCTION ISSUE FOR	08JAN21	AG
PLUMBING	P1.01B	(DEMO) FIRST FLOOR SCOPE B	CONSTRUCTION ISSUE FOR	08JAN21	AG
PLUMBING	P1.01C	(DEMO) FIRST FLOOR SCOPE C	CONSTRUCTION ISSUE FOR	08JAN21	AG
PLUMBING	P1.02A	(DEMO) SECOND FLOOR SCOPE A	CONSTRUCTION ISSUE FOR	08JAN21	AG
PLUMBING	P1.02B	(DEMO) SECOND FLOOR SCOPE B	CONSTRUCTION ISSUE FOR	08JAN21	AG
PLUMBING	P1.02C	(DEMO) SECOND FLOOR SCOPE C	CONSTRUCTION ISSUE FOR	08JAN21	AG
		,	CONSTRUCTION		
PLUMBING	P1.03A	(DEMO) THIRD FLOOR SCOPE A	ISSUE FOR CONSTRUCTION	08JAN21	AG
PLUMBING	P1.03B	(DEMO) THIRD FLOOR SCOPE B	ISSUE FOR CONSTRUCTION	08JAN21	AG
PLUMBING	P1.03C	(DEMO) THIRD FLOOR SCOPE C	ISSUE FOR CONSTRUCTION	08JAN21	AG
PLUMBING	P1.04A	(DEMO) FOURTH FLOOR SCOPE A	ISSUE FOR CONSTRUCTION	08JAN21	AG
PLUMBING	P1.04B	(DEMO) FOURTH FLOOR SCOPE B	ISSUE FOR CONSTRUCTION	08JAN21	AG
PLUMBING	P1.04C	(DEMO) FOURTH FLOOR SCOPE C	ISSUE FOR CONSTRUCTION	08JAN21	AG
PLUMBING	P1.05A	(DEMO) FIFTH FLOOR SCOPE A	ISSUE FOR CONSTRUCTION	08JAN21	AG
PLUMBING	P1.05B	(DEMO) FIFTH FLOOR SCOPE B	ISSUE FOR CONSTRUCTION	08JAN21	AG
PLUMBING	P1.05C	(DEMO) FIFTH FLOOR SCOPE C	ISSUE FOR CONSTRUCTION	08JAN21	AG
PLUMBING	P1.06A	(DEMO) SIXTH FLOOR SCOPE A	ISSUE FOR	08JAN21	AG
PLUMBING	P1.06B	(DEMO) SIXTH FLOOR SCOPE B	ISSUE FOR	08JAN21	AG
PLUMBING	P1.06C	(DEMO) SIXTH FLOOR SCOPE C	CONSTRUCTION ISSUE FOR	08JAN21	AG
PLUMBING	P1.08FH	FIELD HOUSE DEMO	CONSTRUCTION ISSUE FOR	08JAN21	AG
PLUMBING	P1.10A	(NEW) GROUND FLOOR SCOPE A	CONSTRUCTION ISSUE FOR	08JAN21	AG
PLUMBING	P1.10B	(NEW) GROUND FLOOR SCOPE B	CONSTRUCTION ISSUE FOR	08JAN21	AG
PLUMBING	P1.10C	(NEW) GROUND FLOOR SCOPE C	CONSTRUCTION ISSUE FOR	08JAN21	AG
PLUMBING	P1.11A	(NEW) FIRST FLOOR SCOPE A	CONSTRUCTION ISSUE FOR	08JAN21	AG
PLUMBING	P1.11B	(NEW) FIRST FLOOR SCOPE B	CONSTRUCTION ISSUE FOR	08JAN21	AG
PLUMBING	P1.11C	(NEW) FIRST FLOOR SCOPE C	CONSTRUCTION ISSUE FOR	08JAN21	AG
		,	CONSTRUCTION		
PLUMBING	P1.12A	(NEW) SECOND FLOOR SCOPE A	ISSUE FOR CONSTRUCTION	08JAN21	AG
PLUMBING	P1.12B	(NEW) SECOND FLOOR SCOPE B	ISSUE FOR CONSTRUCTION	08JAN21	AG
PLUMBING	P1.12C	(NEW) SECOND FLOOR SCOPE C	ISSUE FOR CONSTRUCTION	08JAN21	AG
PLUMBING	P1.13A	(NEW) THIRD FLOOR SCOPE A	ISSUE FOR CONSTRUCTION	08JAN21	AG
PLUMBING	P1.13B	(NEW) THIRD FLOOR SCOPE B	ISSUE FOR CONSTRUCTION	08JAN21	AG
PLUMBING	P1.13C	(NEW) THIRD FLOOR SCOPE C	ISSUE FOR CONSTRUCTION	08JAN21	AG
PLUMBING	P1.14A	(NEW) FOURTH FLOOR SCOPE A	ISSUE FOR CONSTRUCTION	08JAN21	AG
PLUMBING	P1.14B	(NEW) FOURTH FLOOR SCOPE B	ISSUE FOR CONSTRUCTION	08JAN21	AG
PLUMBING	P1.14C	(NEW) FOURTH FLOOR SCOPE C	ISSUE FOR CONSTRUCTION	08JAN21	AG
PLUMBING	P1.15A	(NEW) FIFTH FLOOR SCOPE A	ISSUE FOR CONSTRUCTION	08JAN21	AG
PLUMBING	P1.15B	(NEW) FIFTH FLOOR SCOPE B	ISSUE FOR	08JAN21	AG
PLUMBING	P1.15C	(NEW) FIFTH FLOOR SCOPE C	ISSUE FOR	08JAN21	AG
PLUMBING	P1.16A	(NEW) SIXTH FLOOR SCOPE A	CONSTRUCTION ISSUE FOR	08JAN21	AG
PLUMBING	P1.16B	(NEW) SIXTH FLOOR SCOPE B	CONSTRUCTION ISSUE FOR	08JAN21	AG
PLUMBING	P1.16C	(NEW) SIXTH FLOOR SCOPE C	CONSTRUCTION ISSUE FOR	08JAN21	AG
PLUMBING	P1.18FH	FIELD HOUSE NEW	CONSTRUCTION ISSUE FOR	08JAN21	AG
PLUMBING	P2.00A	GROUND FLOOR CALLOUT	CONSTRUCTION ISSUE FOR	08JAN21	AG
PLUMBING	P2.00A	GROUND FLOOR CALLOUT	CONSTRUCTION ISSUE FOR	08JAN21	AG
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DISCIPLINE	SHEET NUMBER	SHEET NAME	REVISION	Sheet Issue Date	Approved By
PLUMBING	P2.00C	GROUND FLOOR CALLOUT	ISSUE FOR	08JAN21	AG
PLUMBING	P2.00D	GROUND FLOOR CALLOUT	CONSTRUCTION ISSUE FOR	08JAN21	AG
PLUMBING	P2.01A	FIRST FLOOR CALLOUT	CONSTRUCTION ISSUE FOR	08JAN21	AG
PLUMBING	P2.01B	FIRST FLOOR CALLOUT	CONSTRUCTION ISSUE FOR	08JAN21	AG
PLUMBING	P2.01C	FIRST FLOOR CALLOUT	CONSTRUCTION ISSUE FOR	08JAN21	AG
PLUMBING	P2.01D	FIRST FLOOR CALLOUT	CONSTRUCTION ISSUE FOR		AG
		FIRST FLOOR CALLOUT	CONSTRUCTION		AG
PLUMBING	P2.01E		ISSUE FOR CONSTRUCTION		
PLUMBING	P2.01F	FIRST FLOOR CALLOUT	ISSUE FOR CONSTRUCTION		AG
PLUMBING	P2.02A	SECOND FLOOR CALLOUT	ISSUE FOR CONSTRUCTION	08JAN21	AG
PLUMBING	P2.02B	SECOND FLOOR CALLOUT	ISSUE FOR CONSTRUCTION	08JAN21	AG
PLUMBING	P2.02C	SECOND FLOOR CALLOUT	ISSUE FOR CONSTRUCTION	08JAN21	AG
PLUMBING	P2.02D	SECOND FLOOR CALLOUT	ISSUE FOR CONSTRUCTION	08JAN21	AG
PLUMBING	P2.02E	SECOND FLOOR CALLOUT	ISSUE FOR CONSTRUCTION	08JAN21	AG
PLUMBING	P2.02F	SECOND FLOOR CALLOUT	ISSUE FOR	08JAN21	AG
PLUMBING	P2.03A	THIRD FLOOR CALLOUT	CONSTRUCTION ISSUE FOR	08JAN21	AG
PLUMBING	P2.03B	THIRD FLOOR CALLOUT	CONSTRUCTION ISSUE FOR	08JAN21	AG
PLUMBING	P2.03C	THIRD FLOOR CALLOUT	CONSTRUCTION ISSUE FOR	08JAN21	AG
PLUMBING	P2.03D	THIRD FLOOR CALLOUT	CONSTRUCTION ISSUE FOR		AG
			CONSTRUCTION		
PLUMBING	P2.03E	THIRD FLOOR CALLOUT	ISSUE FOR CONSTRUCTION		AG
PLUMBING	P2.03F	THIRD FLOOR CALLOUT	ISSUE FOR CONSTRUCTION	08JAN21	AG
PLUMBING	P2.03G	THIRD FLOOR CALLOUT	ISSUE FOR CONSTRUCTION	08JAN21	AG
PLUMBING	P2.04A	FOURTH FLOOR CALLOUT	ISSUE FOR CONSTRUCTION	08JAN21	AG
PLUMBING	P2.04B	FOURTH FLOOR CALLOUT	ISSUE FOR CONSTRUCTION	08JAN21	AG
PLUMBING	P2.04C	FOURTH FLOOR CALLOUT	ISSUE FOR	08JAN21	AG
PLUMBING	P2.04D	FOURTH FLOOR CALLOUT	CONSTRUCTION ISSUE FOR	08JAN21	AG
PLUMBING	P2.06A	SIXTH FLOOR CALLOUT	CONSTRUCTION ISSUE FOR	08JAN21	AG
PLUMBING	P2.06B	SIXTH FLOOR CALLOUT	CONSTRUCTION ISSUE FOR	08JAN21	AG
PLUMBING	P2.06C	SIXTH FLOOR CALLOUT	CONSTRUCTION ISSUE FOR		AG
	P2.06D		CONSTRUCTION		
PLUMBING		SIXTH FLOOR CALLOUT	ISSUE FOR CONSTRUCTION		AG
PLUMBING	P5.00	PLUMBING DETAILS	ISSUE FOR CONSTRUCTION		AG
PLUMBING	P5.02	PLUMBING DETAILS	ISSUE FOR CONSTRUCTION	01/26/21	AG
PLUMBING	P5.03	PLUMBING DETAILS HOT WATER	ISSUE FOR CONSTRUCTION	01/28/21	AG
PLUMBING	P7.01	STACK 1	ISSUE FOR CONSTRUCTION	08JAN21	AG
PLUMBING	P7.02	STACKS 2,3 & 5	ISSUE FOR CONSTRUCTION	08JAN21	AG
PLUMBING	P7.03	STACKS 4 & 5	ISSUE FOR	08JAN21	AG
PLUMBING	P7.04	STACK 6	CONSTRUCTION ISSUE FOR	08JAN21	AG
PLUMBING	P7.05	STACK 7	CONSTRUCTION ISSUE FOR	08JAN21	AG
PLUMBING	P7.06	STACKS 8 & 8A	CONSTRUCTION ISSUE FOR	08JAN21	AG
PLUMBING	P7.07	STACK 9	CONSTRUCTION ISSUE FOR		AG
			CONSTRUCTION		
PLUMBING	P7.08	STACK 10	ISSUE FOR CONSTRUCTION		AG
PLUMBING	P7.09	STACK 11	ISSUE FOR CONSTRUCTION		AG
PLUMBING	P7.10	STACK 12	ISSUE FOR CONSTRUCTION	08JAN21	AG
PLUMBING	P7.11	STACK 13	ISSUE FOR CONSTRUCTION	08JAN21	AG
PLUMBING	P7.12	STACK 14	ISSUE FOR CONSTRUCTION	08JAN21	AG
PLUMBING	P7.13	STACKS 2,3,4 & 5	ISSUE FOR	08JAN21	AG
PLUMBING	P8.00	ELEVATIONS G &1ST FLOORS	CONSTRUCTION ISSUE FOR	08JAN21	AG
PLUMBING	P8.02	ELEVATIONS 2ND & 3RD FLOORS	CONSTRUCTION ISSUE FOR	08JAN21	AG
PLUMBING	P8.03	ELEVATIONS 4TH FLOOR	CONSTRUCTION ISSUE FOR		AG
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PLUMBING SHEET LIST

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23AUG21

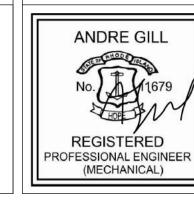
08JAN21

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Project Title: ADA RESTROOM UPGRADES			Project Number 1976
Location: 400 EAST AVE WARWICK, RI 02886			Drawing Scale As indicated
Drawing Title: PLUMBING GENERAL			Drawing Number P0.01
Issue Date:	Approved By:	Drawn By:	Checked By:
08JAN21	AG	AGE	AG

PL	PLUMBING LEGEND				
ETR DEMO NEW		DESCRIPTION			
FD FD FD	FD	FLOOR DRAINS			
co co co	СО	CLEAN OUT			
P-5B P-5B P-5B	P-5B	SHOWER BASE KOHLER K-9396 36"X 36" (SEE ARCH SPEC FOR SHOWER TRIM KIT MODEL)			
P-5A P-5A P-5A	P-5A	SHOWER BASE KOHLER K-9055 60"X 36" (SEE ARCH SPEC FOR SHOWER TRIM KIT MODEL)			
P-3 P-3 P-3	P-3	URINAL AMERICAN STANDARD FLOWISE FLUSH-FREE WATERLESS URINAL MODEL 6150.100			
P-1 P-1 P-1	P-1	TOILET AMERICAN STANDARD AFWALL FLOWISE ADA RETROFIT TOILET W/SENSOR OPERATED FLUSHOMETER			
P-6 P-6 P-6	P-6	MOP BASIN AND SERVICE FAUCET FIAT PRODUCTS- ACRANE PLUMBING COMPANY MOLDED-STONE MOP BASIN MSB 2424/SERVICE SINK FAUCET 830-AA. 24"X24"X10"			
P-2A P-2A P-2A	P-2A	LAVATORY BRADLEY VERGE WASH BASIN LVAD1			
P-2B P-2B P-2B	P-2B	LAVATORY BRADLEY VERGE WASH BASIN LVAD2			
P-2C P-2C P-2C	P-2C	LAVATORY BRADLEY VERGE WASH BASIN LVAD3			
SINK SINK SINK		VARIOUS EXISTING TO REMAIN SINKS			
(ETR) DF DF-(ETR)	DF/ DF (ETR)	VARIOUS (ETR) DRINKING FOUNTAIN NOT IN SCOPE			
HB- (ETR)	HB (ETR)	HOSE BIBS EXISTING TO REMAIN			
нв нв нв	НВ	HOSE BIBS			
•	CTE/POC	CONNECT TO EXISTING OR POINT OF CONNECTION			
•	LOD	LIMIT OF DEMOLITION			
	KEYNOTE				
	POR	POINT OF REMOVAL			

SCOPE OF WORK

- A. SEVERAL ALTERNATIVES ARE AVAILABLE FOR FINAL APPROVAL FROM CCRI AND PROJECT MANAGEMENT PRIOR TO THE START OF CONSTRUCTION OF THE PROJECT.
- UNKNOWNS TO WORK ARE HAVE BEEN ASSUMED BY ENGINEER AND SHALL BE CONFIRMED BY THE CONTRACTOR PRIOR TO BID. VENDOR SHALL HAVE APPROPRIATE EXPERIENCE IN THIS TYPE OF WORK COMMENSURATE WITH LEVEL OF DIFFICULTY AND SHALL NOT LATER INCREASE THE COST OF THIS WORK THROUGH DISCOVERIES POST AWARD TO CCRI, OR DESIGN TEAM.
 - a. FIELD HOUSE CONDITIONS SHALL BE WALKED DOWN AND CONFIRM, INCLUDING BUT NOT LIMITED TO ALL
 - TIE-IN POINTS AND POINTS OF CONNECTION, SIZING OF EXISTING PIPING. 6TH FLOOR PLUMBING INFORMATION WAS NOT AVAILABLE FOR TIE-IN PURPOSES, HOWEVER MODELING HAS PROVIDED SOME ASSUMPTIONS OF EXISTING AND PROBABLY NEW ROUTING ALTERNATIVES. THIS ROUTING SHALL BE CONFIRMED WITH ENGINEER OF RECORD (EOR) (AGE) FOR CONFIRMATION OF CALCULATIONS AND AGREED UPON WITH CCRI PROJECT MANAGER WITH ADDITIONAL CONSENT FROM THE
 - ARCHITECT OF RECORD (AOR). c. COLD WATER SUPPLY (<85F): PIPE LENGTH SHALL BE AS SHORT AS POSSIBLE TO SUPPLY THE FIXTURE OR
 - MAXIMUM FIXTURE RUN-OUT LENGTHS FOR COLD WATER PIPING TO SINKS, LAVATORIES AND
 - SHOWERS SHALL BE LIMITED TO 24OZ (0.7L) TOTAL VOLUME. WATER CLOSETS 164OZ (4.85L)
 - URINAL 64OZ (1.9L) FOR 1 URINAL FLUSH OF .5 GPF (NOTE WATERLESS URINALS ARE SPECIFIED) ICE MACHINES PIPE LENGTH SHALL BE AS SHORT AS POSSIBLE TO SUPPLY THE EQUIPMENT. MAX ALLOWABLE FIXTURE RUN-OUT LENGTH OF THE PIPE SHALL BE DETERMINED BASED ON THE MAX ALLOWABLE PIPE VOLUME METHOD. FOR ICE MACHINES SHALL BE LIMITED TO 12 OZ (0.35L) TOTAL VOLUME. IF MAXIMUM FIXTURE RUN-OUT LENGTH IS EXCEEDED, WATER MUST BE RECIRCULATED AS CLOSE TO THE FIXTURE OR DEVICE AS POSSIBLE. A BALANCE VALVE SHALL BE USED TO
 - PROVIDE CONTINUAL WATER FLOW NEAR FIXTURE. FLUSHOMETER VALVES AND TANKS SHALL COMPLY WITH ASSE 1037. VACUUM BREAKERS ON
 - FLUSHOMETER VALVES SHALL CONFORM TO THE PERFORMANCE REQUIREMENTS OF ASSE 1001. ACCESS SHALL BE PROVIDED TO VACUUM BREAKERS.
 - WHERE WATER SUPPLY CONNECTION TO COFFEE MACHINES AND NONCARBONATED BEVERAGE DISPENSER SHALL BE PROTECTED AGAINST BACKFLOW BY A BACKFLOW PREVENTER CONFORMING
 - TO ASSE 1022 OR BY AN AIR GAP PROVIDE AIR ELIMINATION AT ALL HIGH POINTS OF DHR SYSTEM.
 - LACK OF AIR ELIMINATION MAY BE PREVENTING FLOW

 - INSTALL VALVES AT THE BASE OF ALL DOMESTIC WATER RISERS, THE SUPPLY OF FIXTURES AS APPLICABLE BY CODE, TO ISOLATE EQUIPMENT d. DISINFECT POTABLE WATER SYSTEM PER RI-SBC-PLUMBING, IPC 2015.
 - e. INVERT ELEVATIONS WERE OBTAINED FROM 1968 PLUMBING DRAWINGS WHEN AVAILABLE AND MAYBE
 - NOT BE ACCURATE. CONTRACTOR SHALL PROVIDE MINIMUM AND APPROPRIATE SLOPE BY CODE AND LAYOUT UNDER GROUND PIPING AS REQUIRED.
 - f. INVERT ELEVATIONS SHALL BE SET AT SANITARY SEWER CONNECTIONS. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO SET APPROPRIATE ELEVATIONS AFTER CONFIRMATION OF INVERTS.
 - ALL FIRE WALL PENETRATIONS SHALL BE APPROPRIATELY FIRE STOPPED. ALL PIPING SHALL BE INSULATED AS REQUIRED BY RHODE ISLAND STATE BUILDING, INCLUDING EXISTING DOMESTIC HOT WATER AND HOT WATER RECIRCULATION PIPING.
 - ALL DOMESTIC COLD WATER, HOT WATER, HOT WATER RECIRCULATION, SANITARY, WASTE, AND VENT PIPING SHALL BE AS BUILT, SHOWING PIPE SIZES, INSULATION THICKNESS, ELEVATIONS, INVERT ELEVATIONS, CONNECT TO EXISTING, NEW PIPING, AND EXISTING TO REMAIN PIPING SHALL BE DOCUMENTED BY CONTRACTOR AND PROVIDED TO ENGINEER OF RECORD FOR AS-BUILT

DEMO GENERAL NOTES

- THESE DRAWINGS ARE FOR REFERENCE ONLY. THE DRAWING IS THE EXISTING ORIGINAL BUILDING CONSTRUCTION PLAN FROM 1968. FIELD CONDITIONS MAY VARY AND GENERAL CONTRACTOR SHALL NOT BE ENTITLED TO ANY ADDITIONAL COMPENSATION DUE TO DIFFERENT FIELD CONDITIONS. ALL PLUMBING
- COMPONENTS ARE TO BE REMOVED AND DISPOSED IF NOT INDICATED. B. THIS CONTRACTOR IS TO CUT AND MAKE SAFE ALL EXISTING PLUMBING SYSTEMS FOR REMOVAL AND DISPOSAL
- OF ALL PLUMBING, FIXTURES, ACCESSORIES, PIPING, ETC.
- THE SCOPE OF DEMOLITION IS COMPLETE DEMOLITION IN AREAS SHOWN. THE SPACE SHALL BE FREE OF ANY MATERIALS AND/OR EQUIPMENT ASSOCIATED WITH THE EXISTING PLUMBING SYSTEMS AS PART OF THE BASE SCOPE OF WORK ALL EXISTING PLUMBING SYSTEMS ARE TO BE REMOVED AS
- SHOWN IN DRAWINGS. ALL REMOVED MATERIALS ARE TO BE PROPERLY DISPOSED OF.
- PIPING UNDER FLOOR SLAB MAY BE REQUIRED TO REMAIN AND TO BE ABANDONED AND PROPERLY CAPPED
- BELOW EXISTING FINISH FLOOR SLAB.
- FIELD VERIFY ALL EXISTING CONDITIONS BEFORE STARTING ANY WORK. OBTAIN PERMISSION FROM CCRI PRIOR TO TURNING OFF AND/OR WORKING ON ANY SYSTEMS.

	COMMUNITY	COLLEGE
CLI	OF RHODE ISLAND	

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4)		Issue
	STATE OF THE PARTY	08J <i>A</i>

	Project Title: ADA RESTROOM UPGRADES				
)	Drawing Scale As indicated		
J.L.	Drawing Title: PLUMBING GENERAL			Drawing Number P0.02	
	Issue Date:	Approved By:	Drawn By:	Checked By:	
* /	08JAN21	AG	AGE	AG	

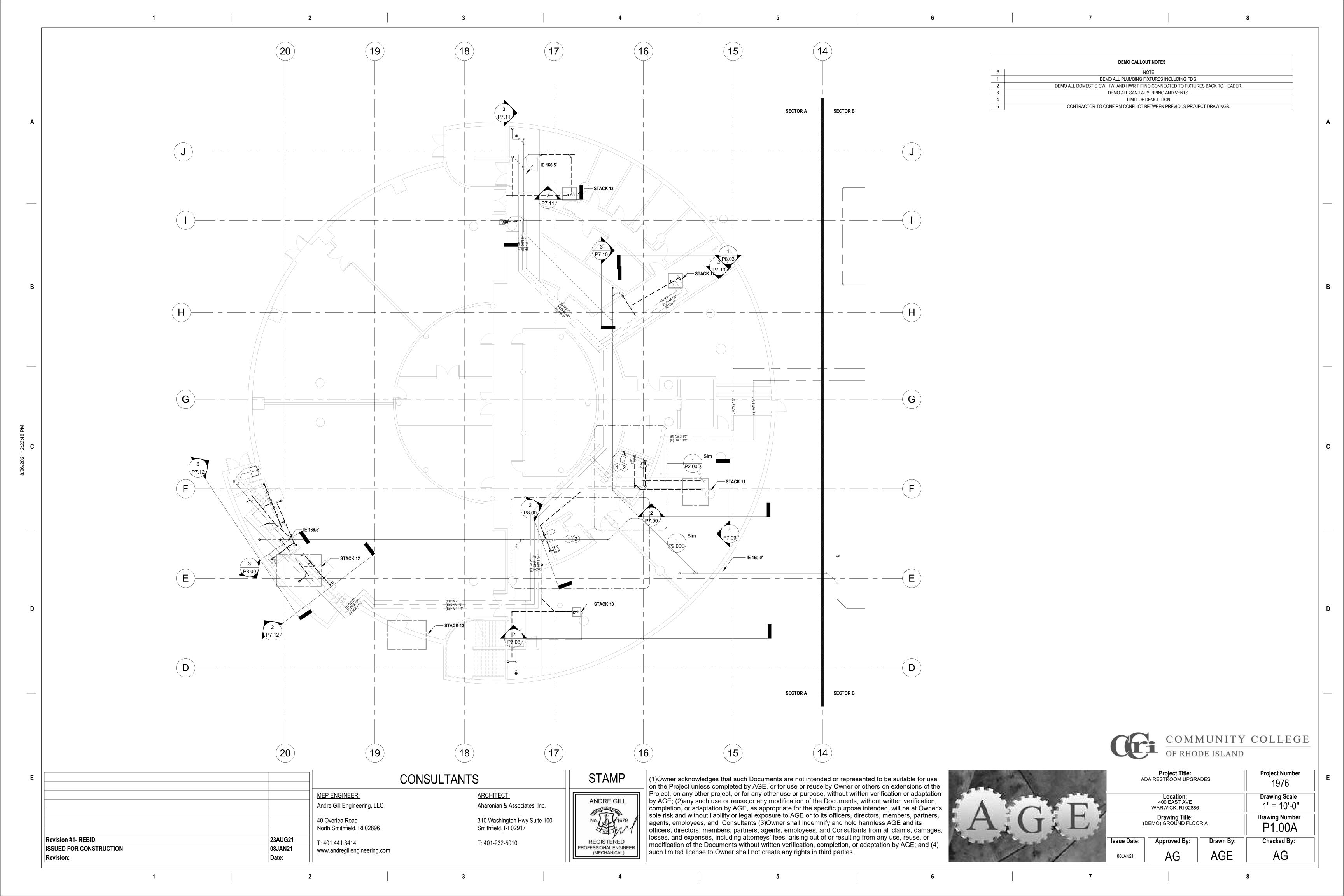
		MED ENCINEED:
		MEP ENGINEER: Andre Gill Engineering, LLC
		40 Overlea Road North Smithfield, RI 02896
Revision #1- REBID	23AUG21	Noter Strikinger, N. 02090
ISSUED FOR CONSTRUCTION	08JAN21	T: 401.441.3414
Revision:	Date:	www.andregillengineering.com
	Date.	

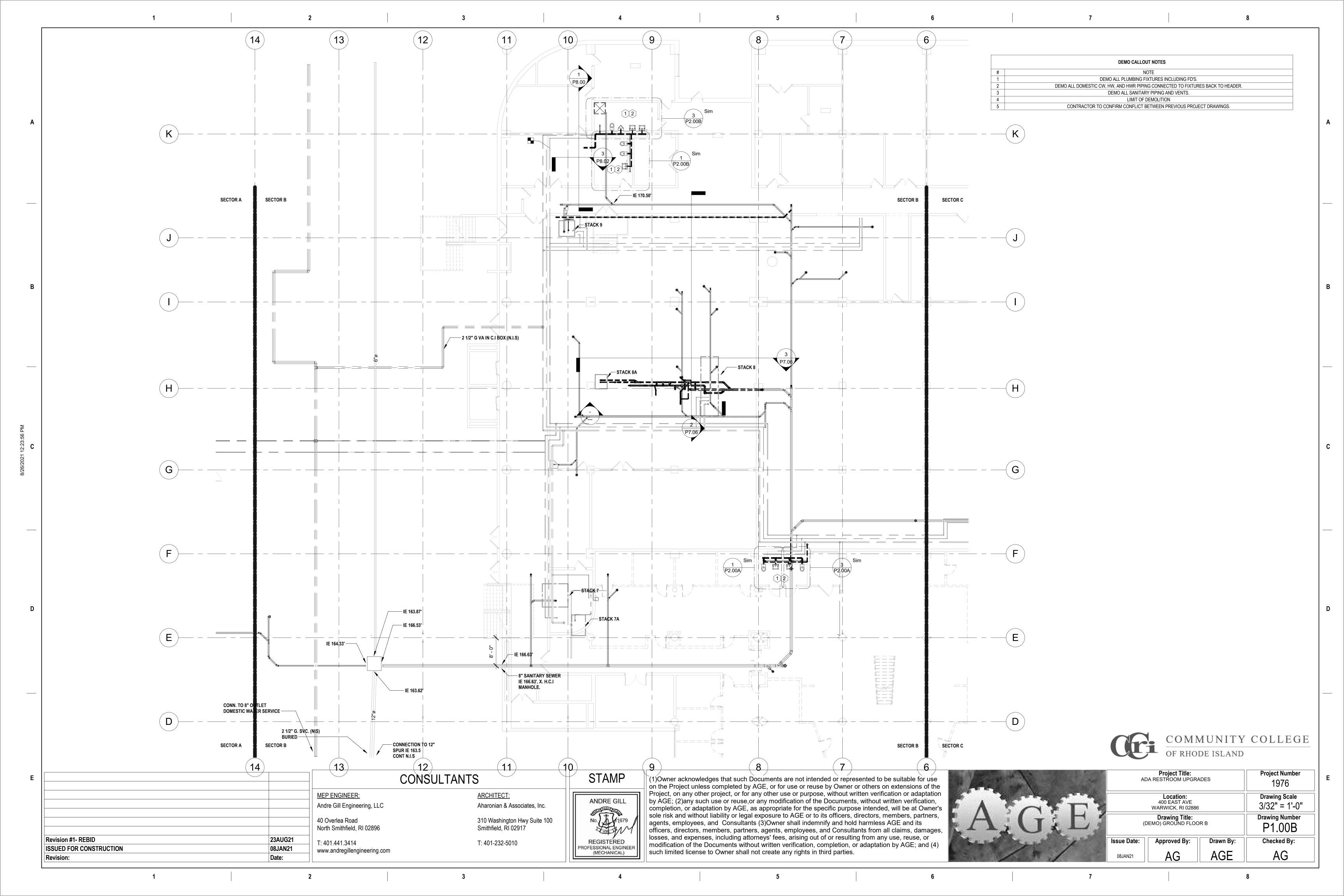
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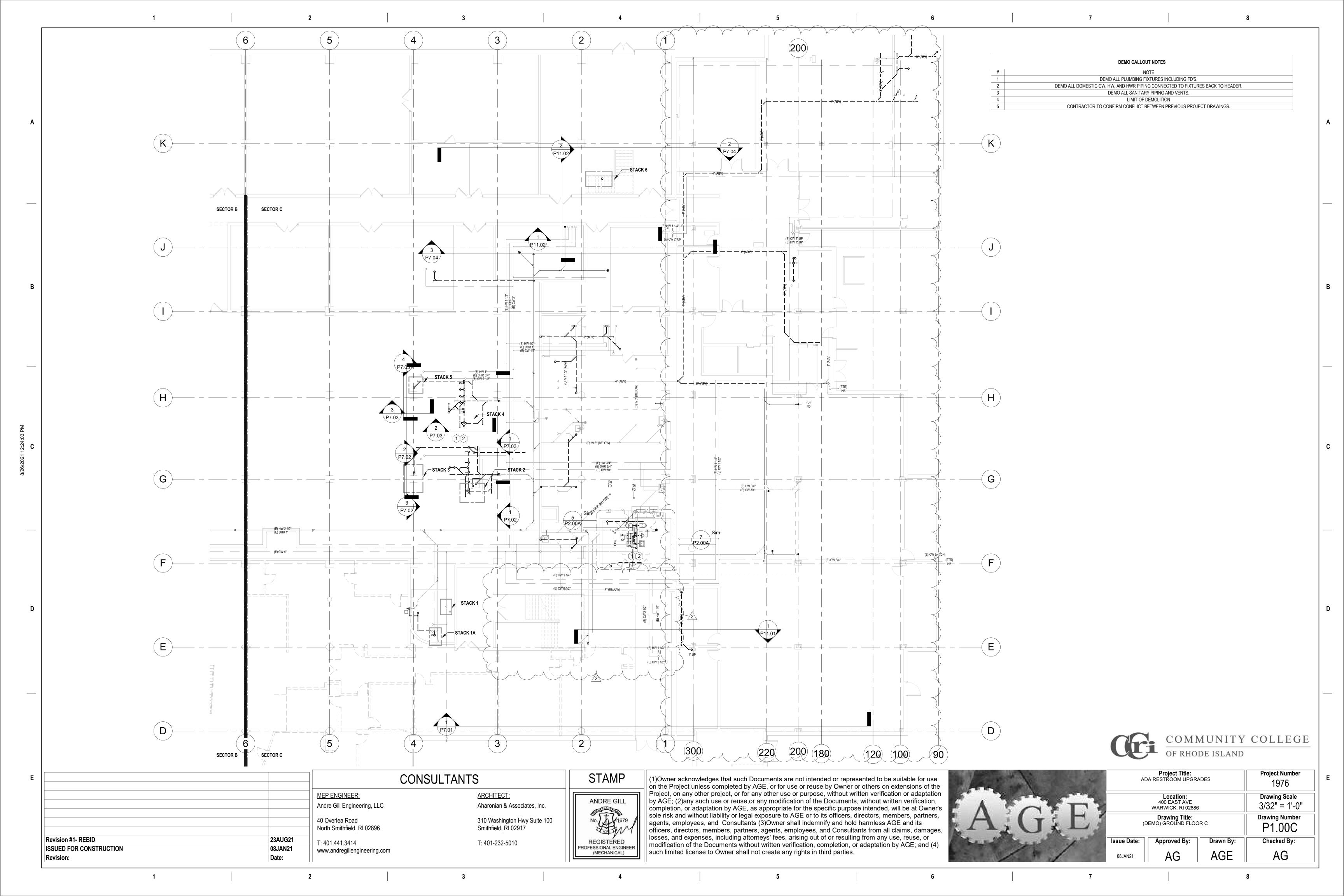
ANDRE GILL REGISTERED PROFESSIONAL ENGINEER (MECHANICAL)

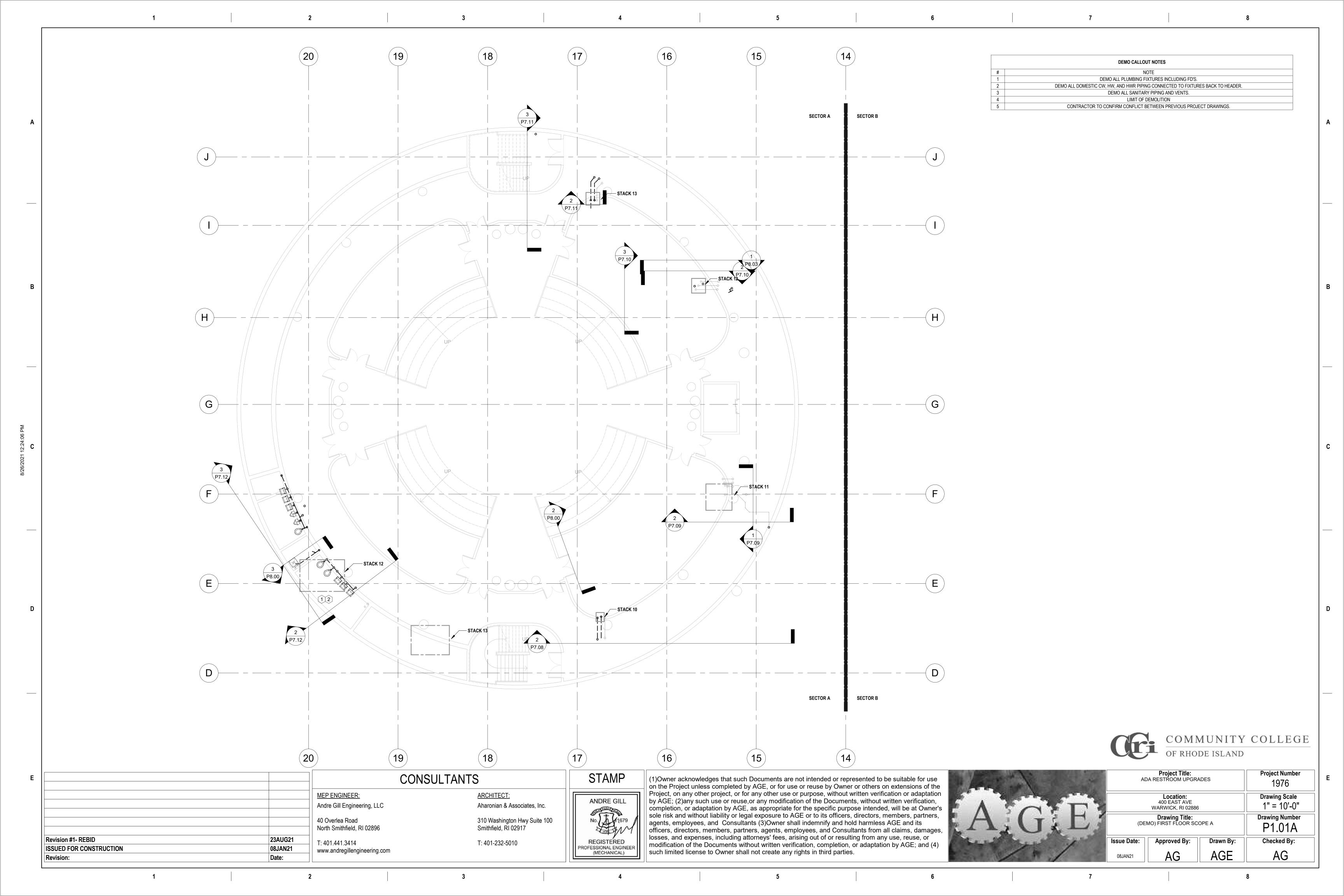
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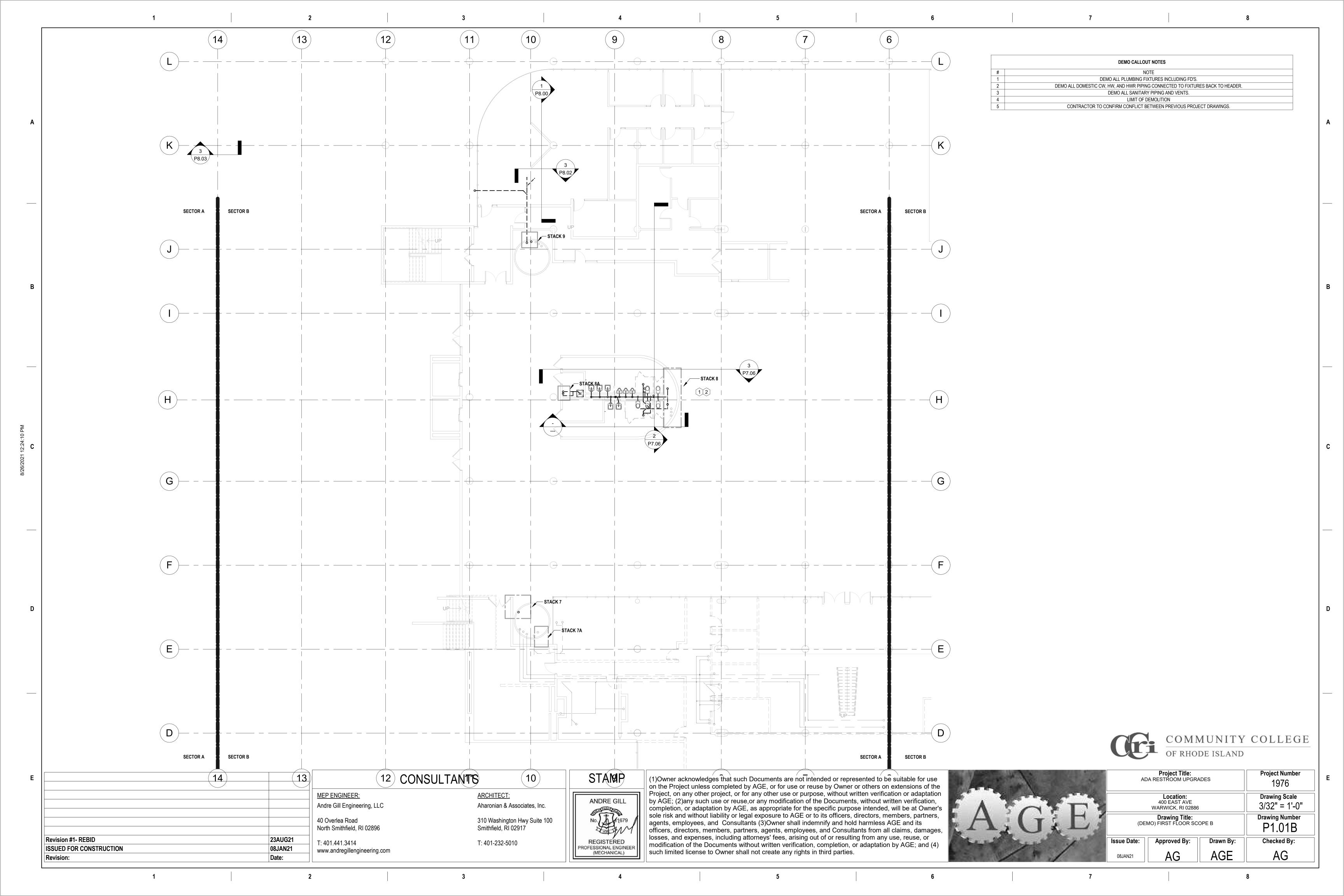
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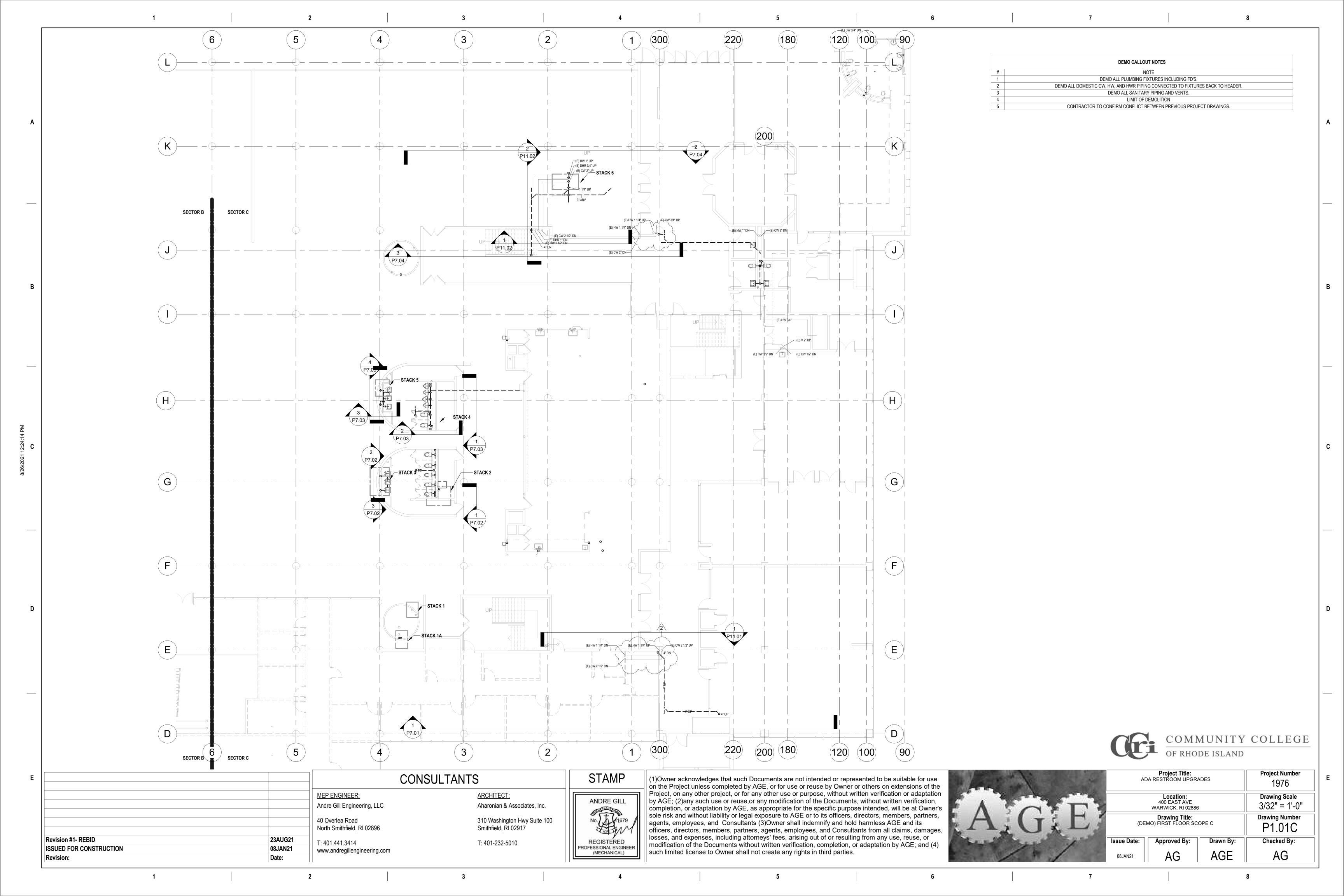


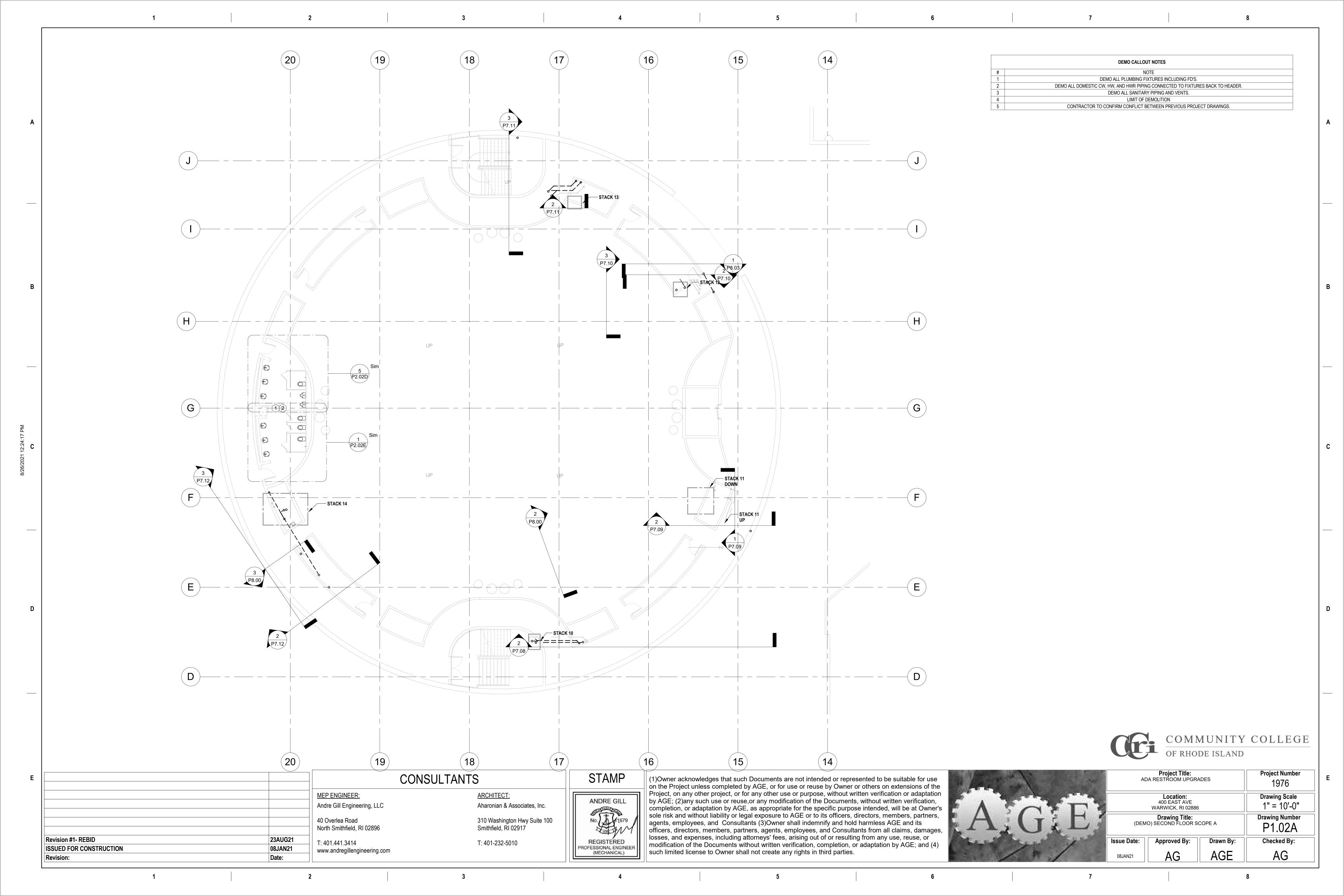


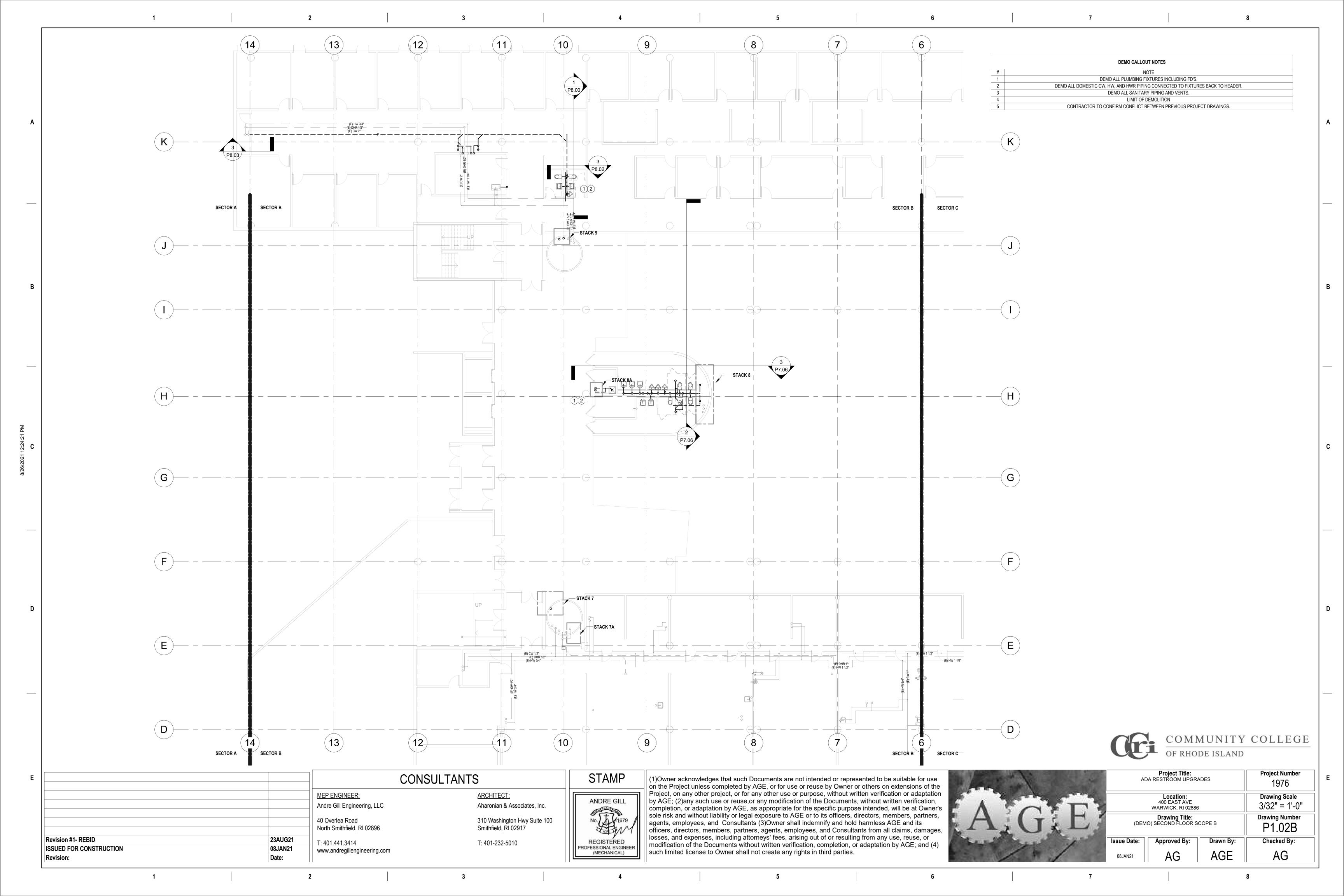


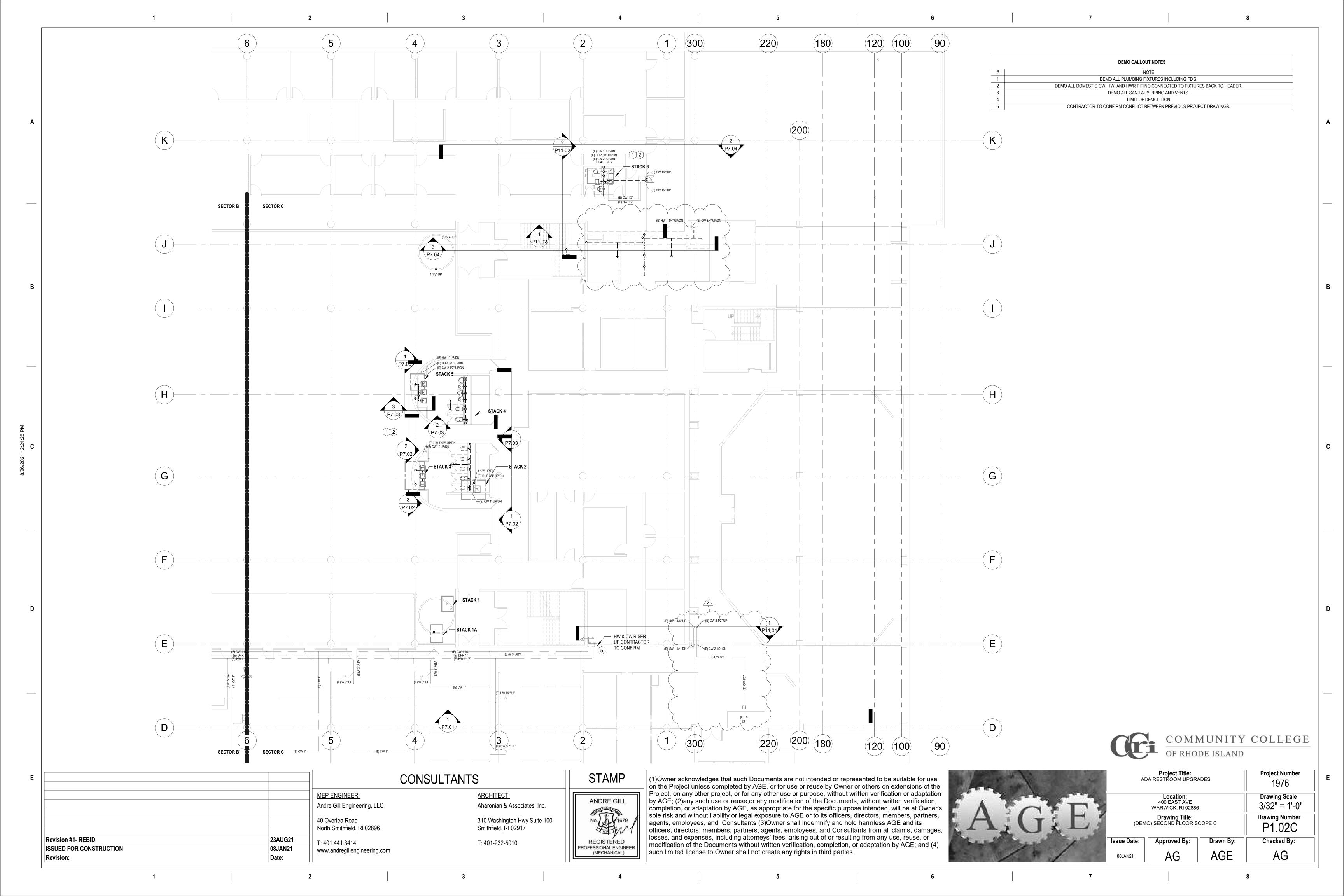


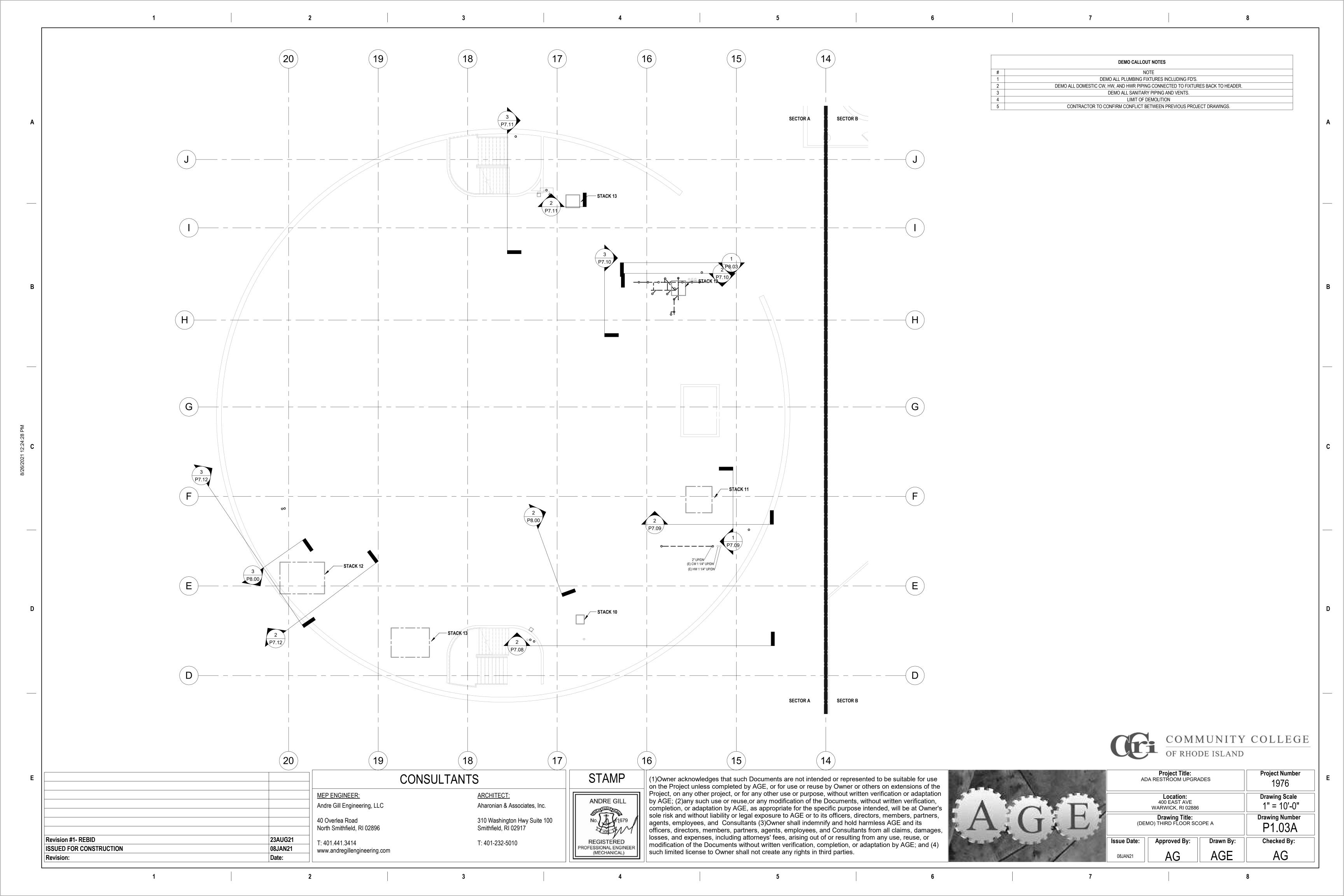


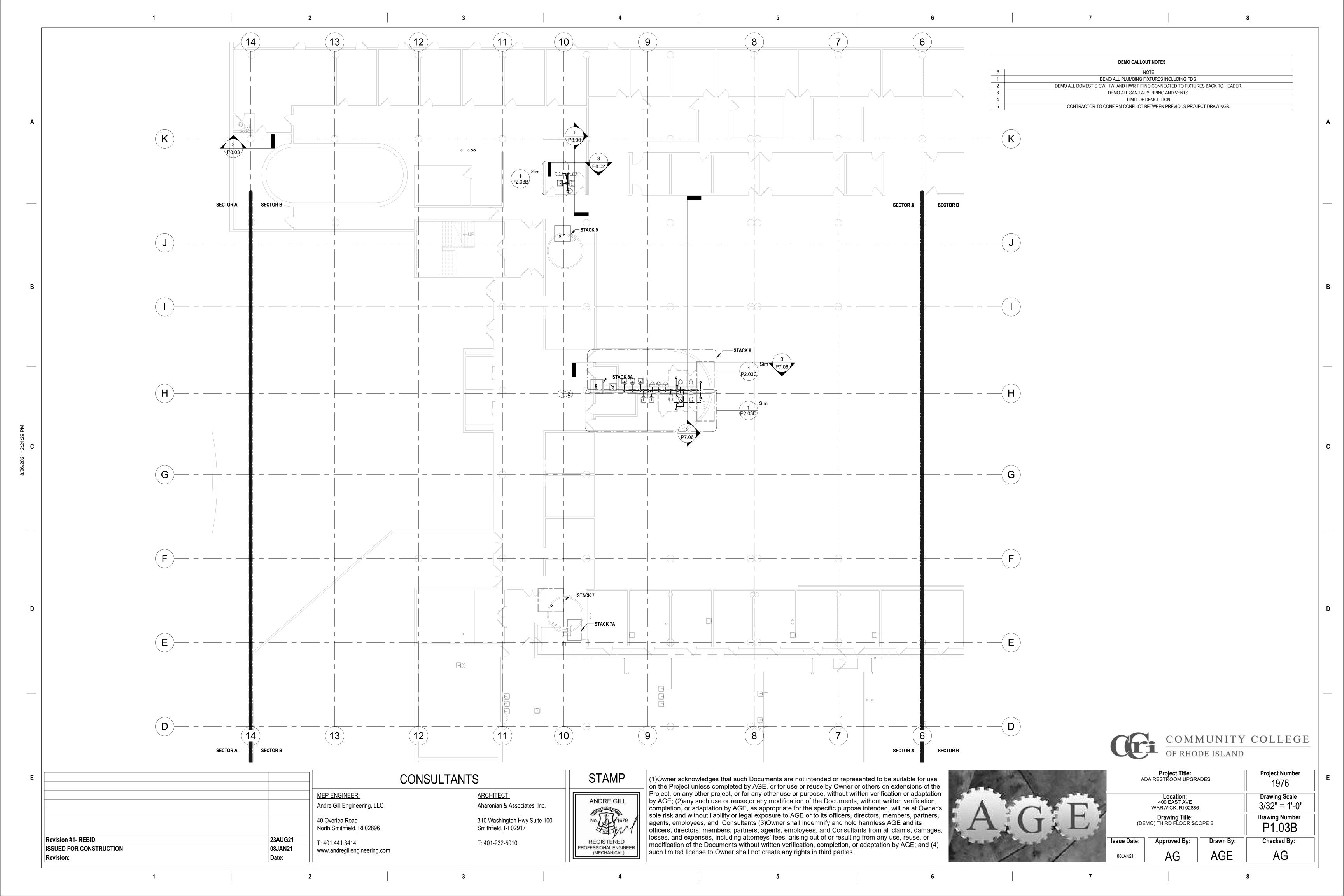


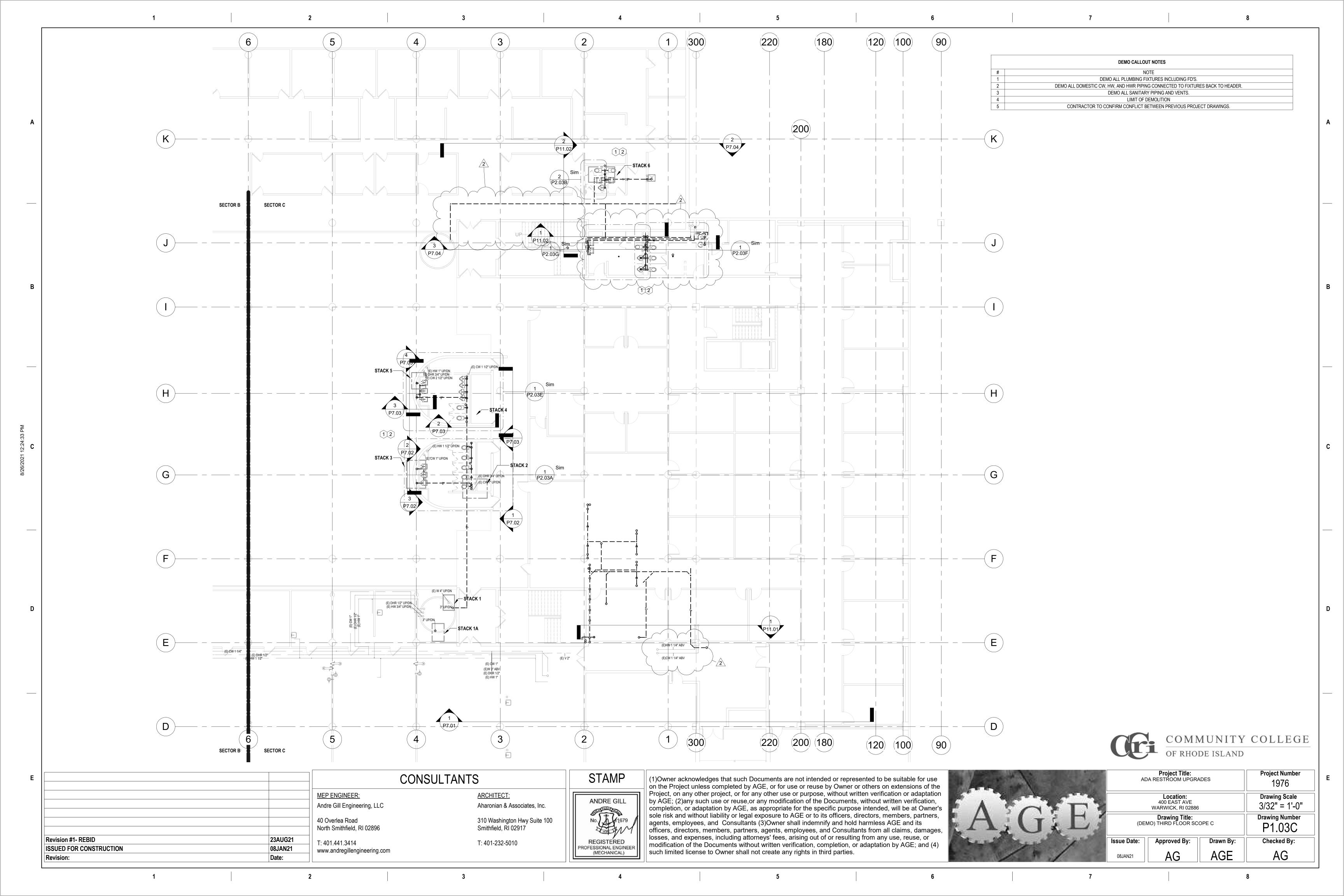


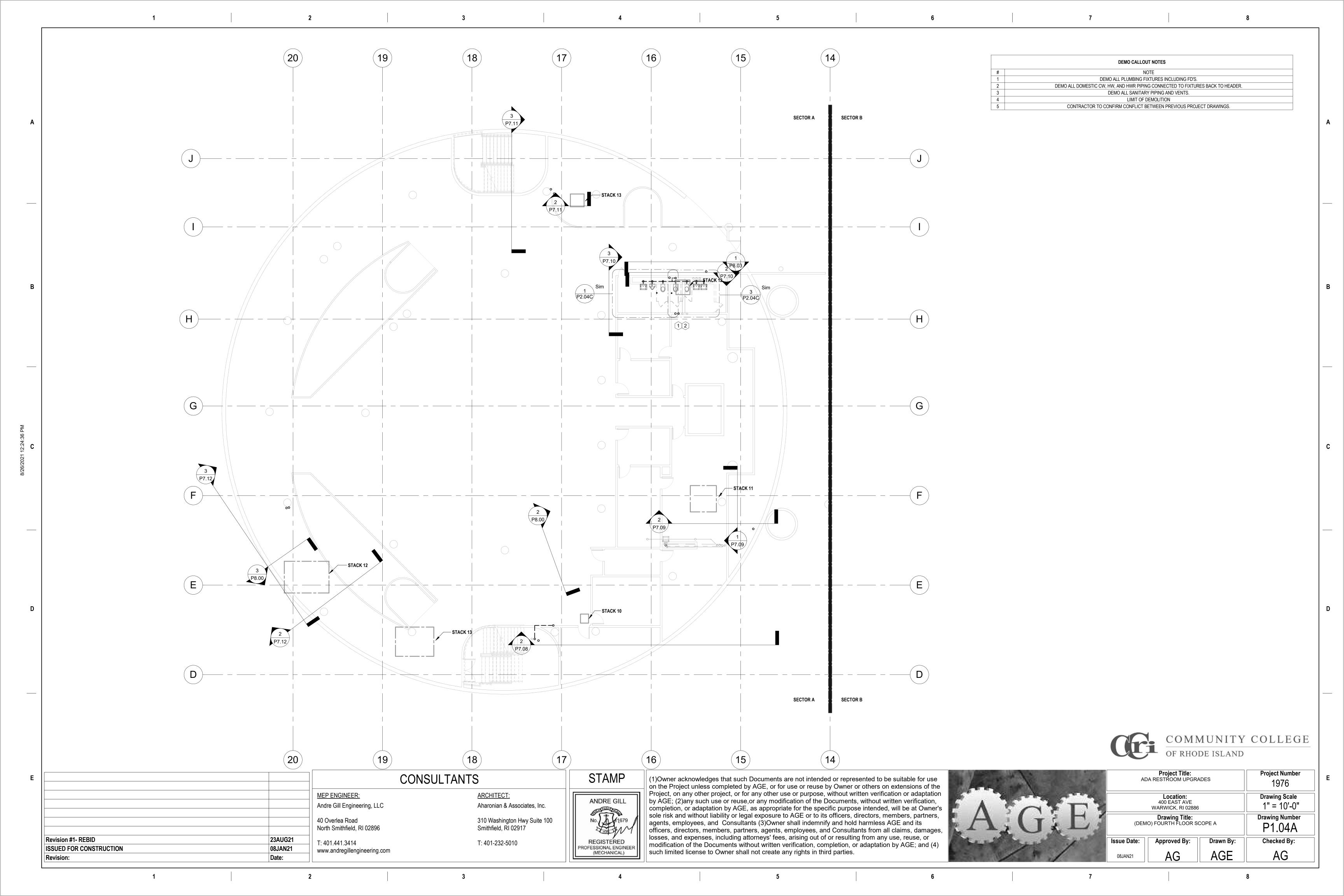


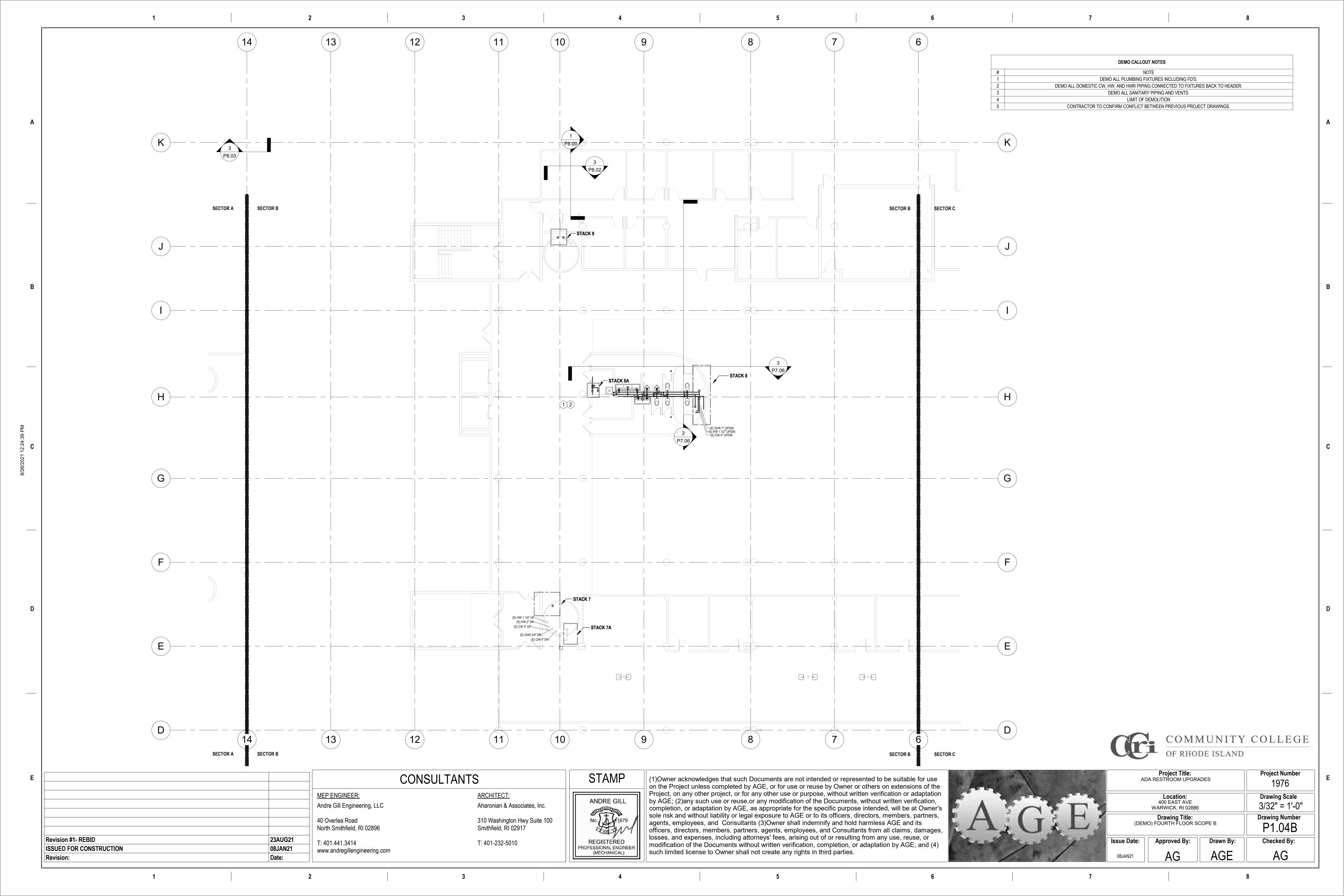


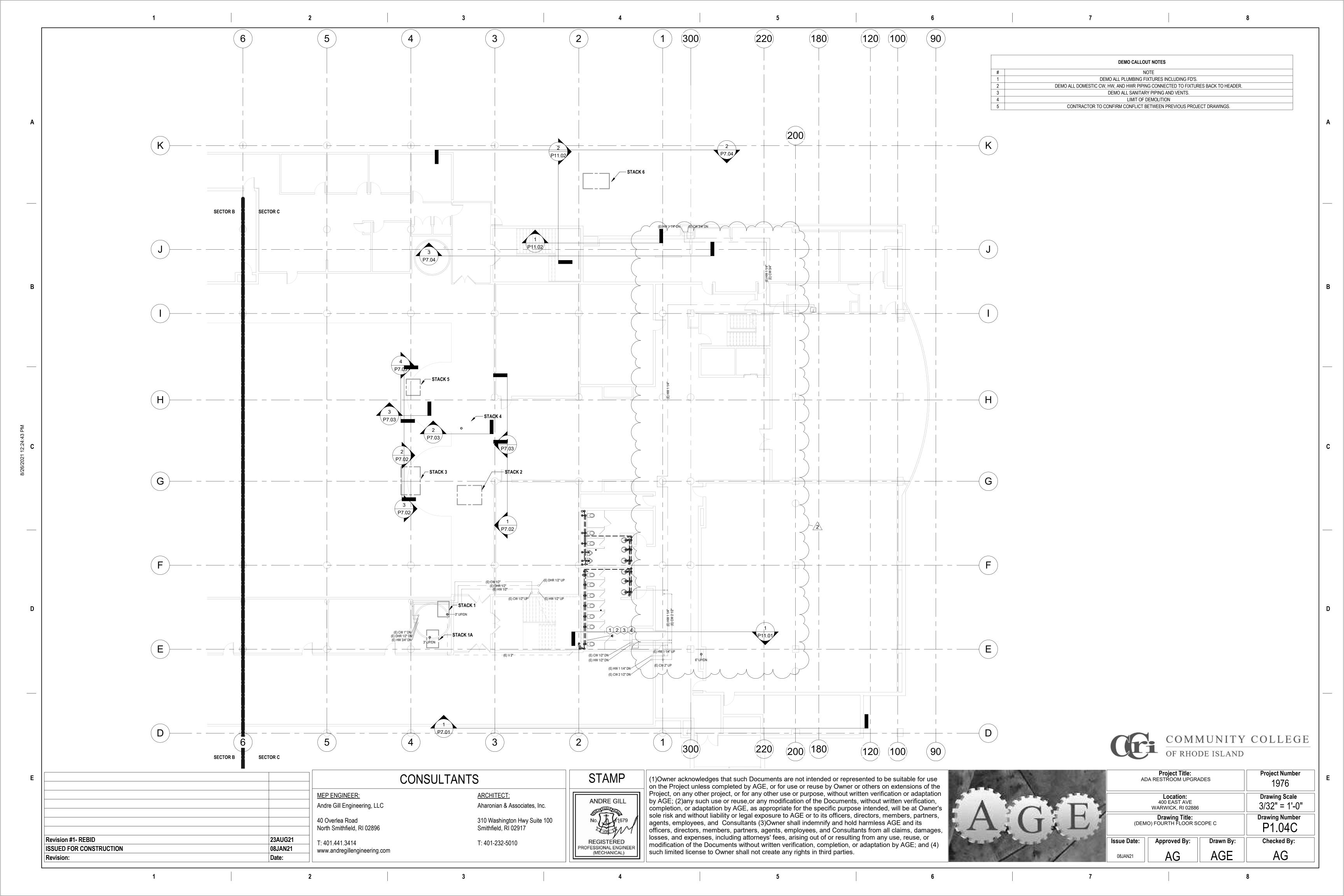


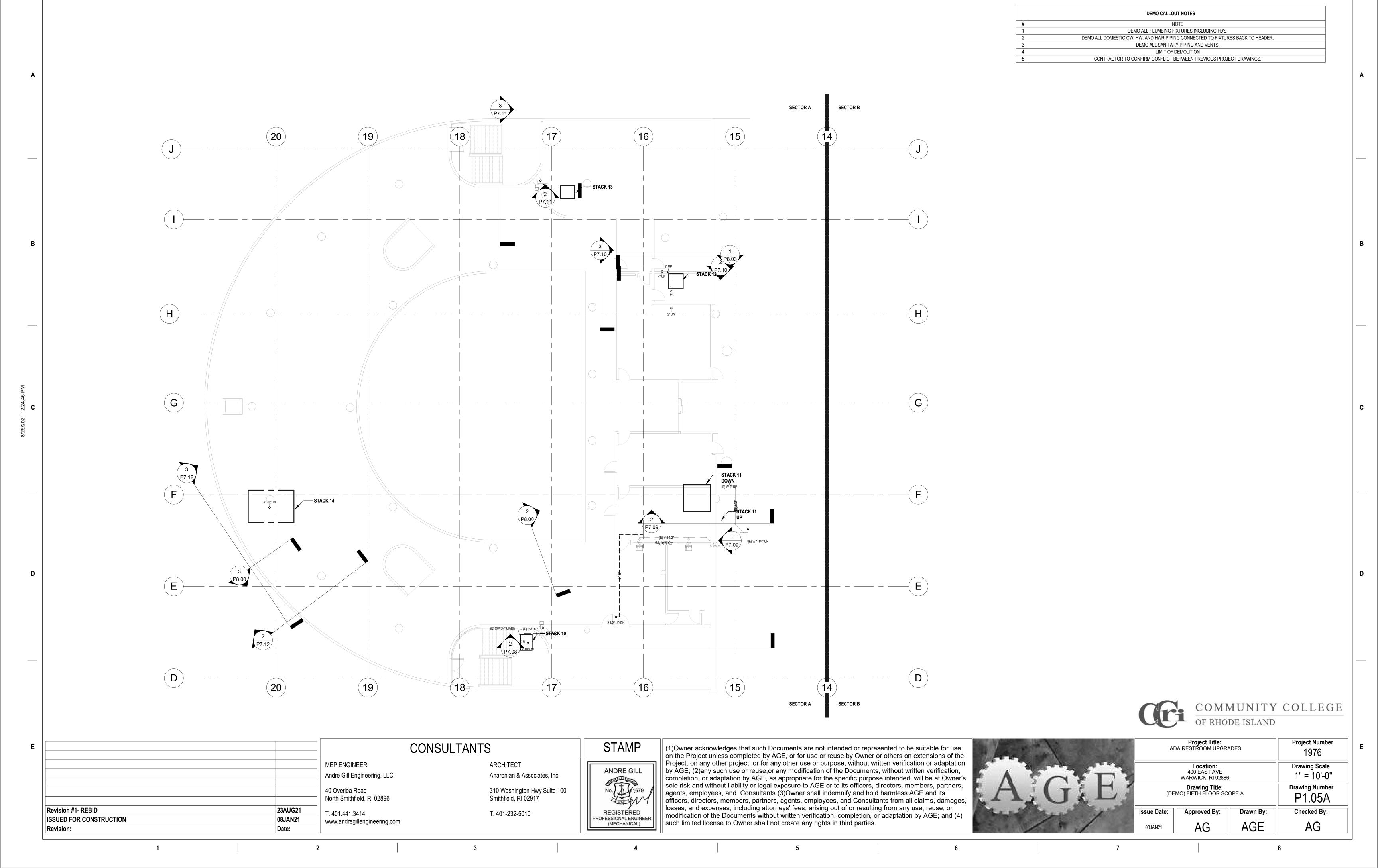


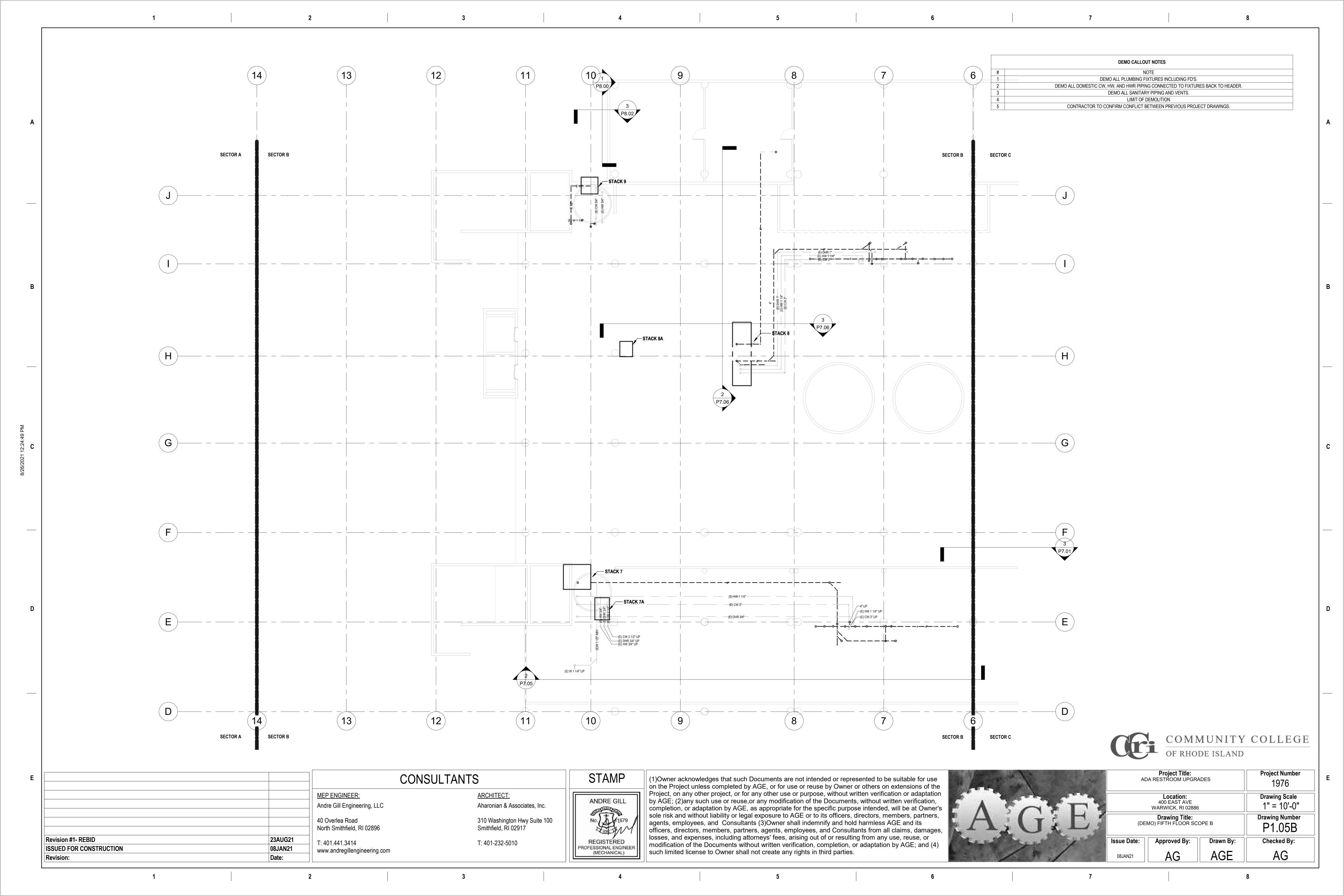


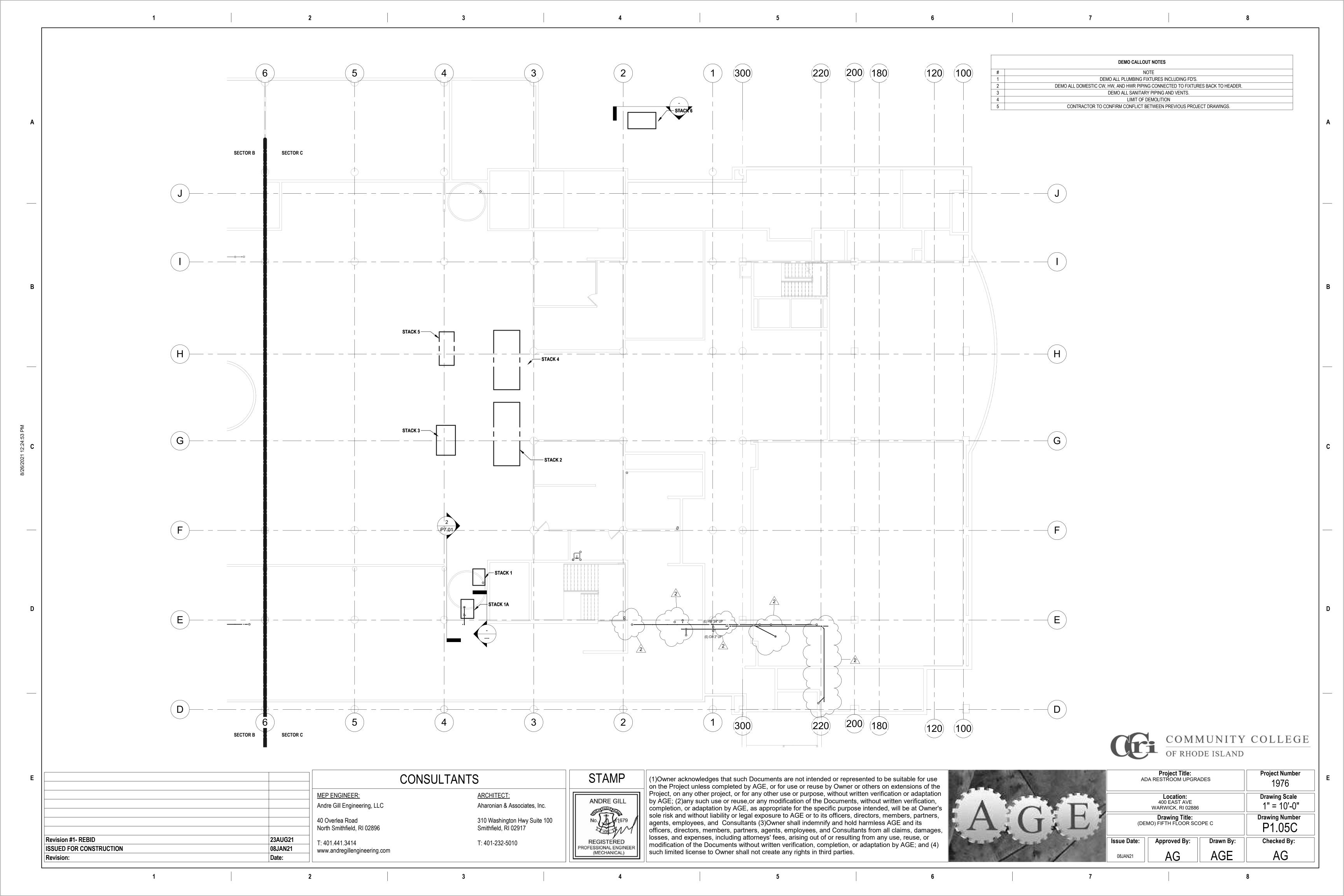


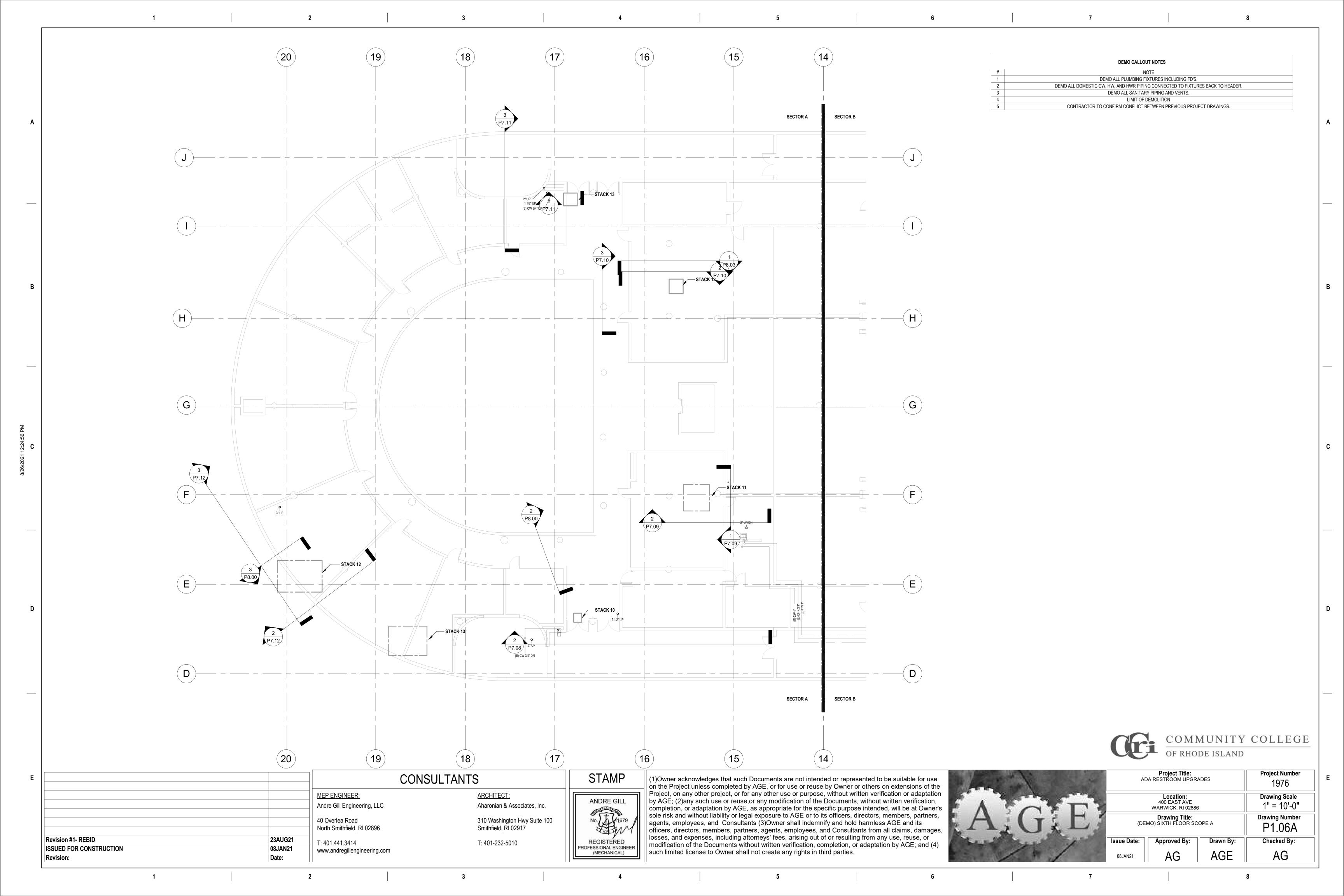


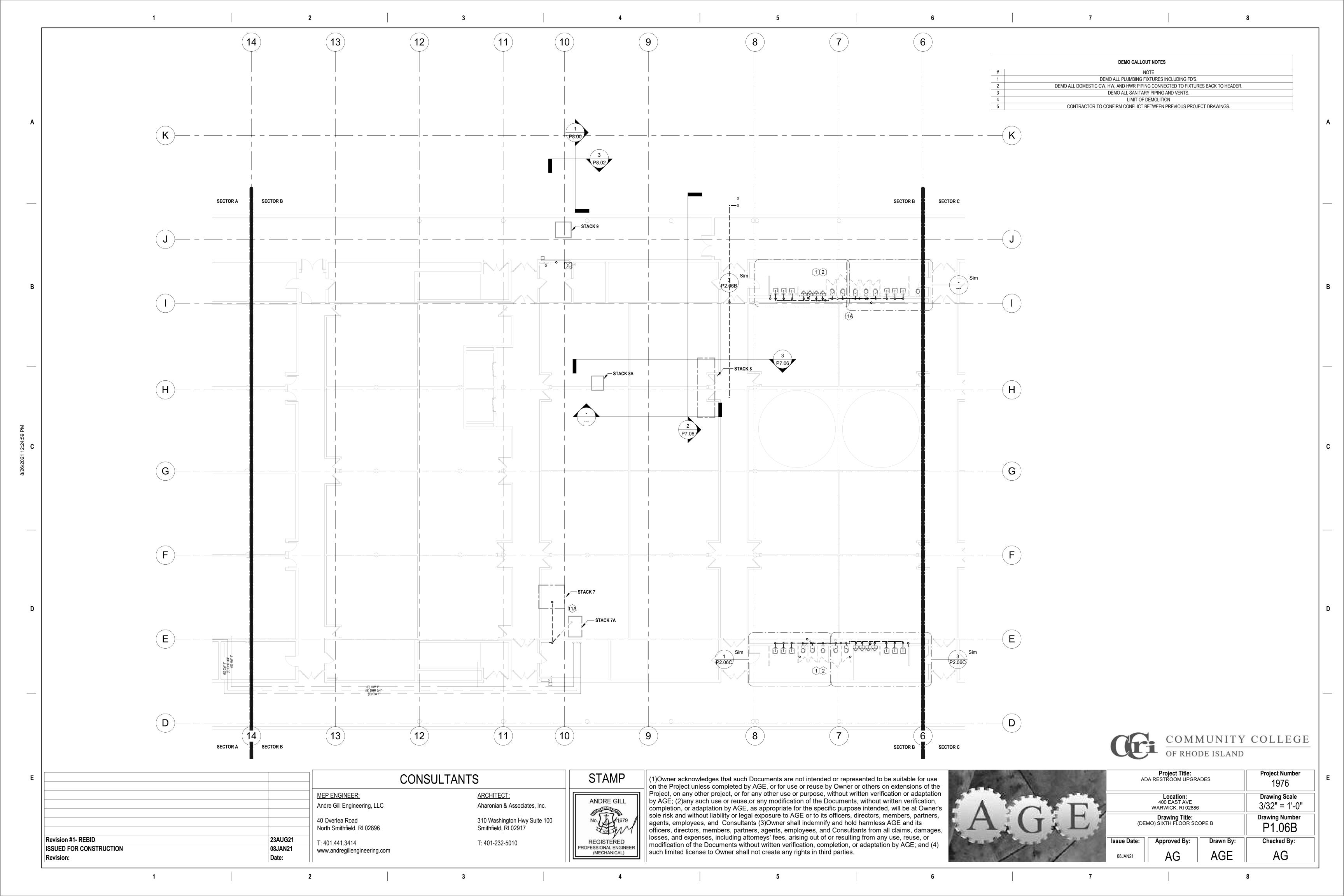


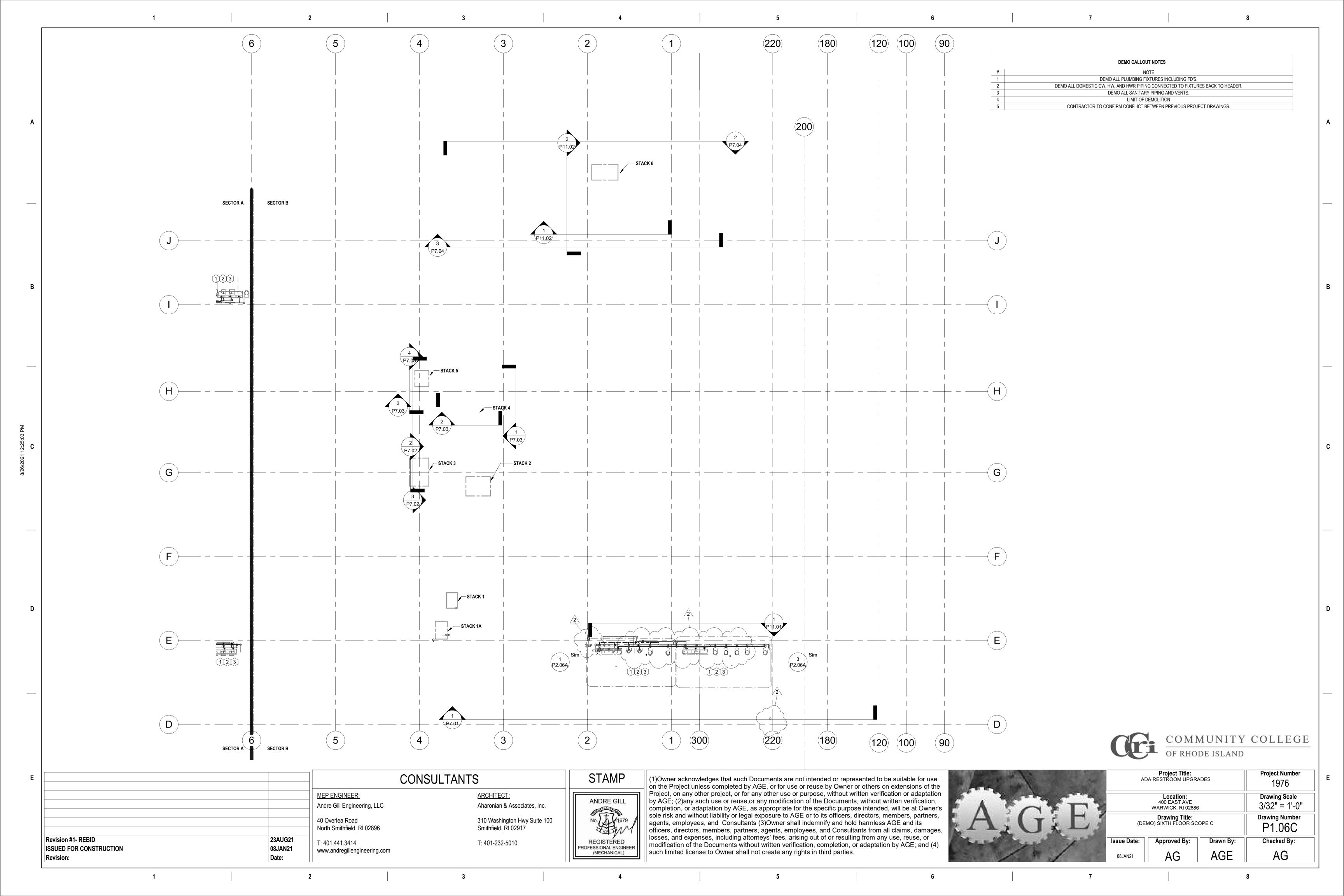


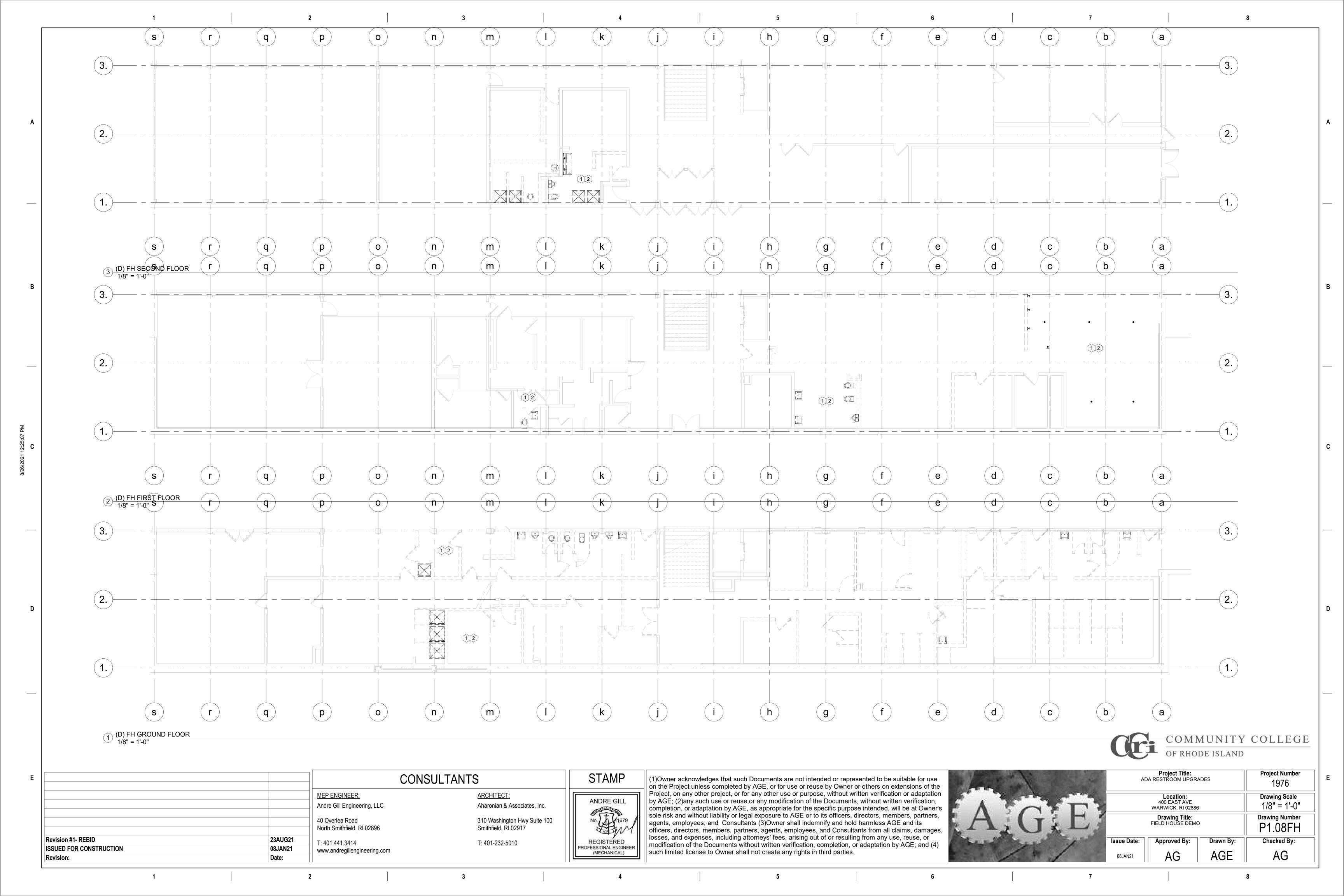


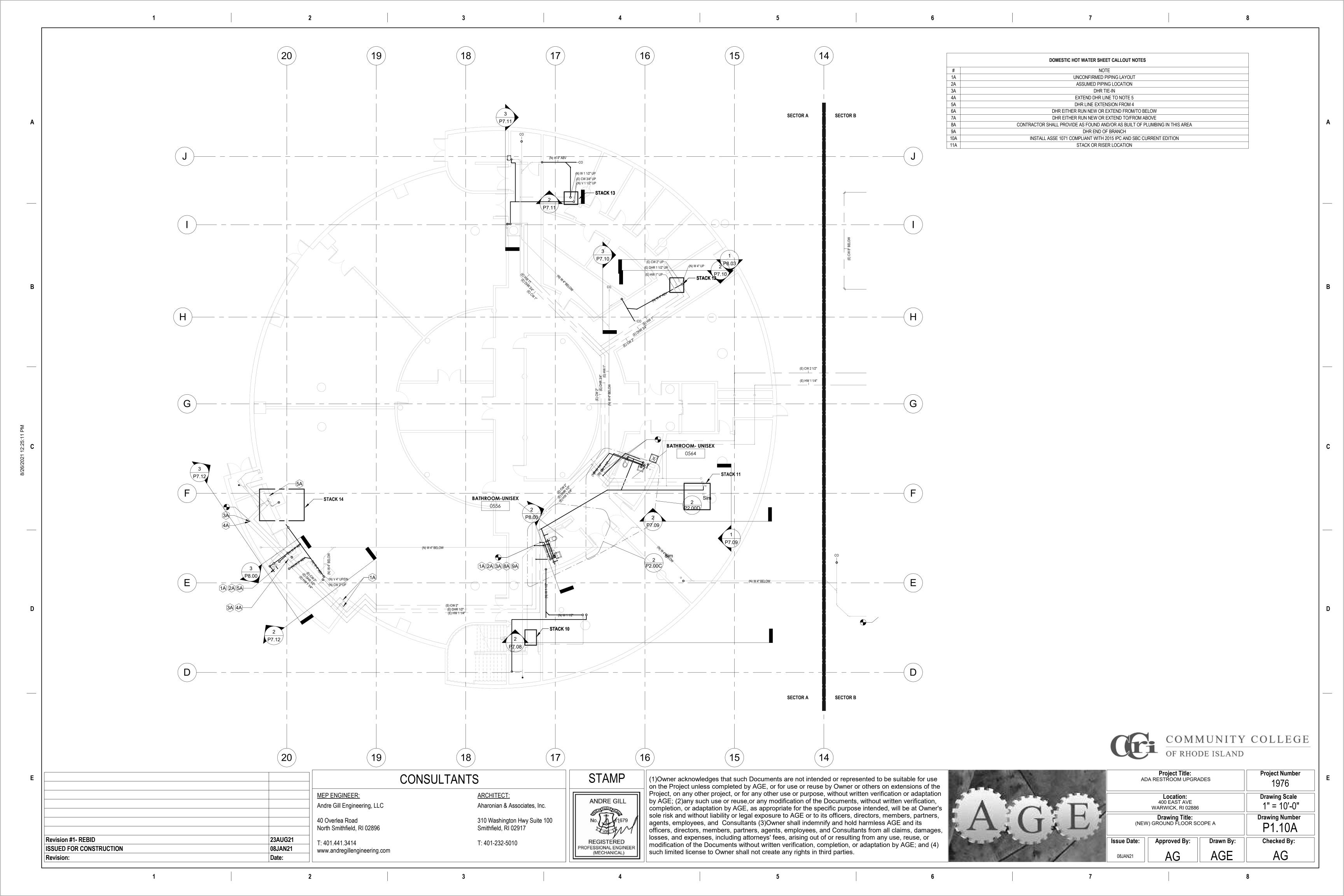


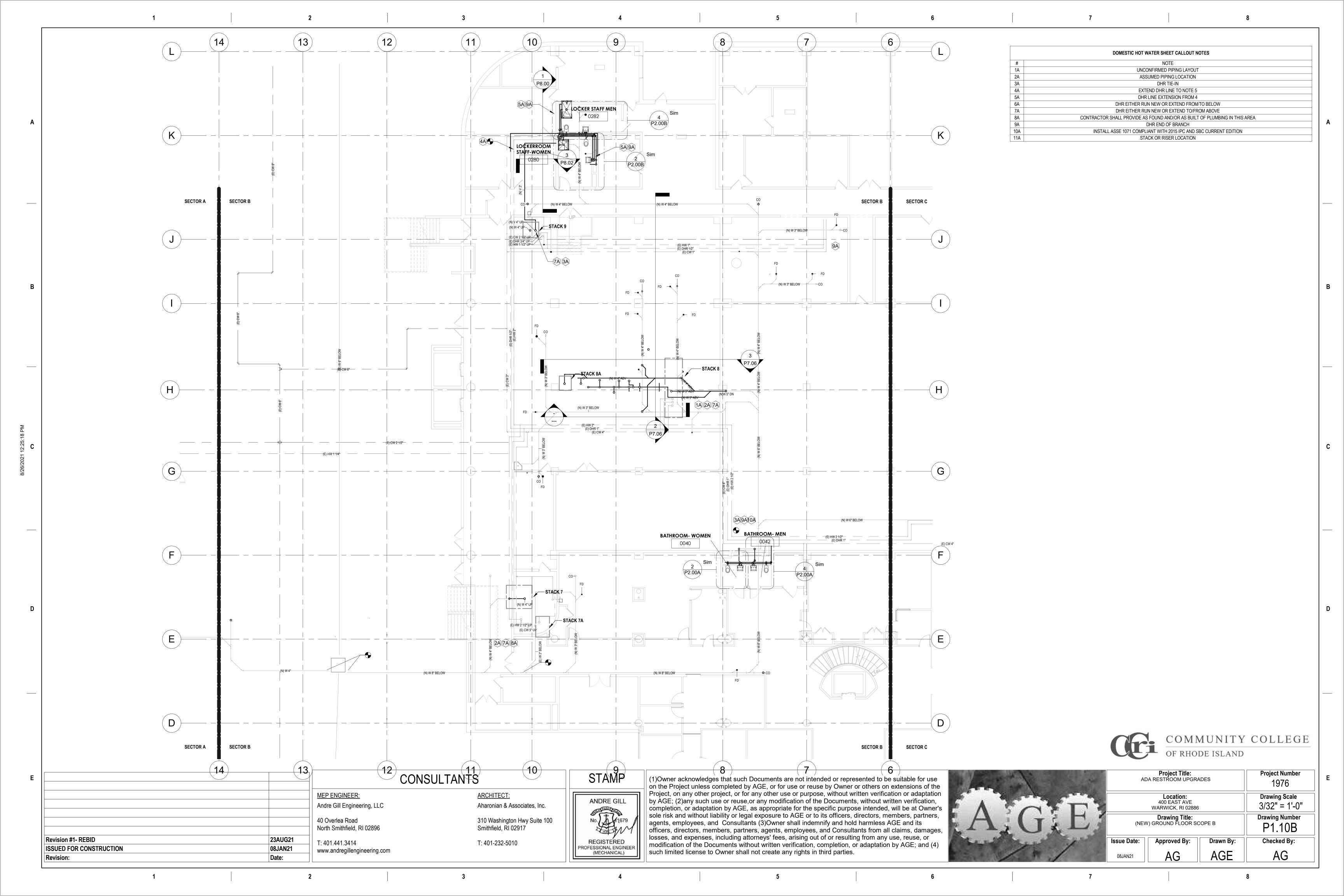


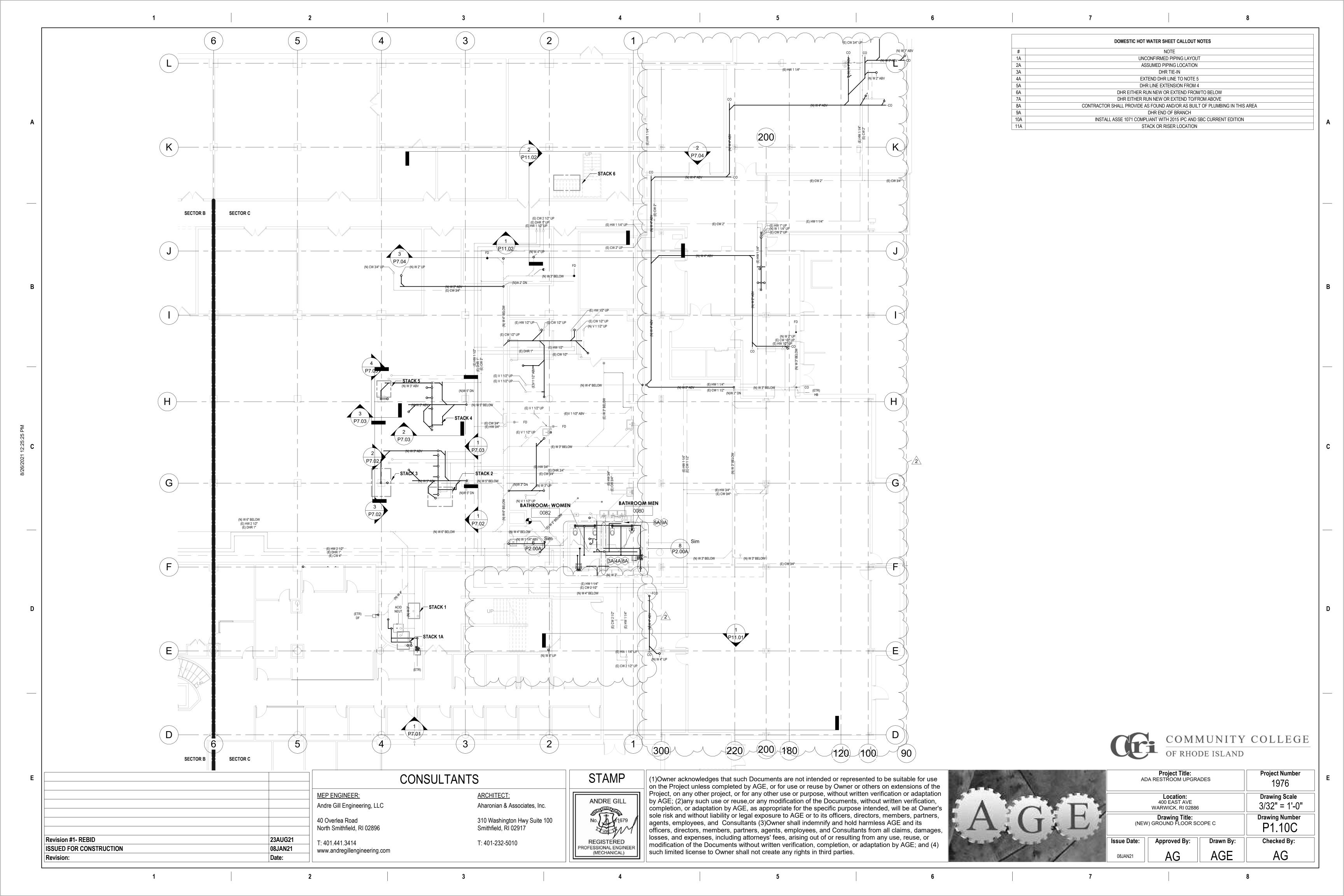


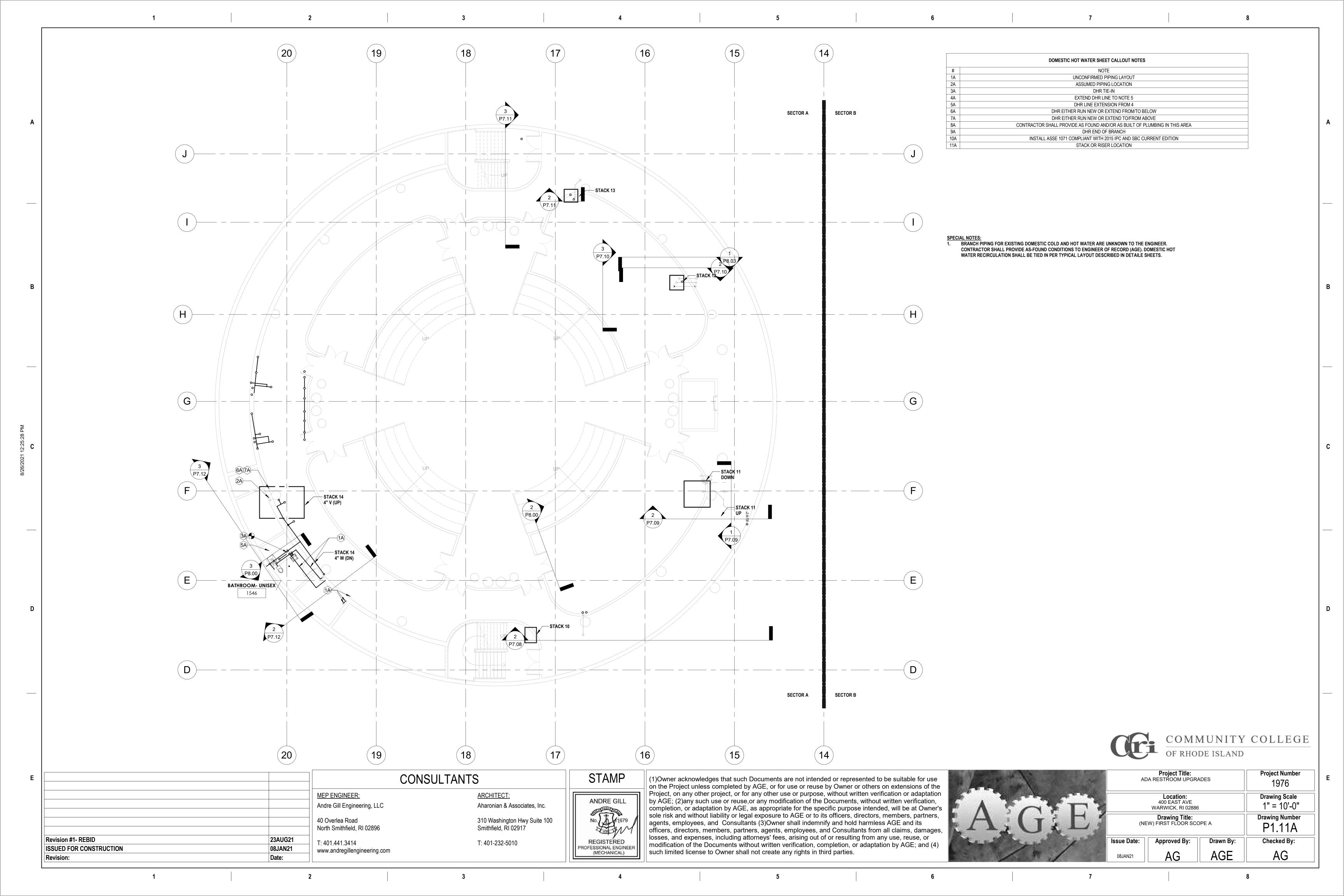


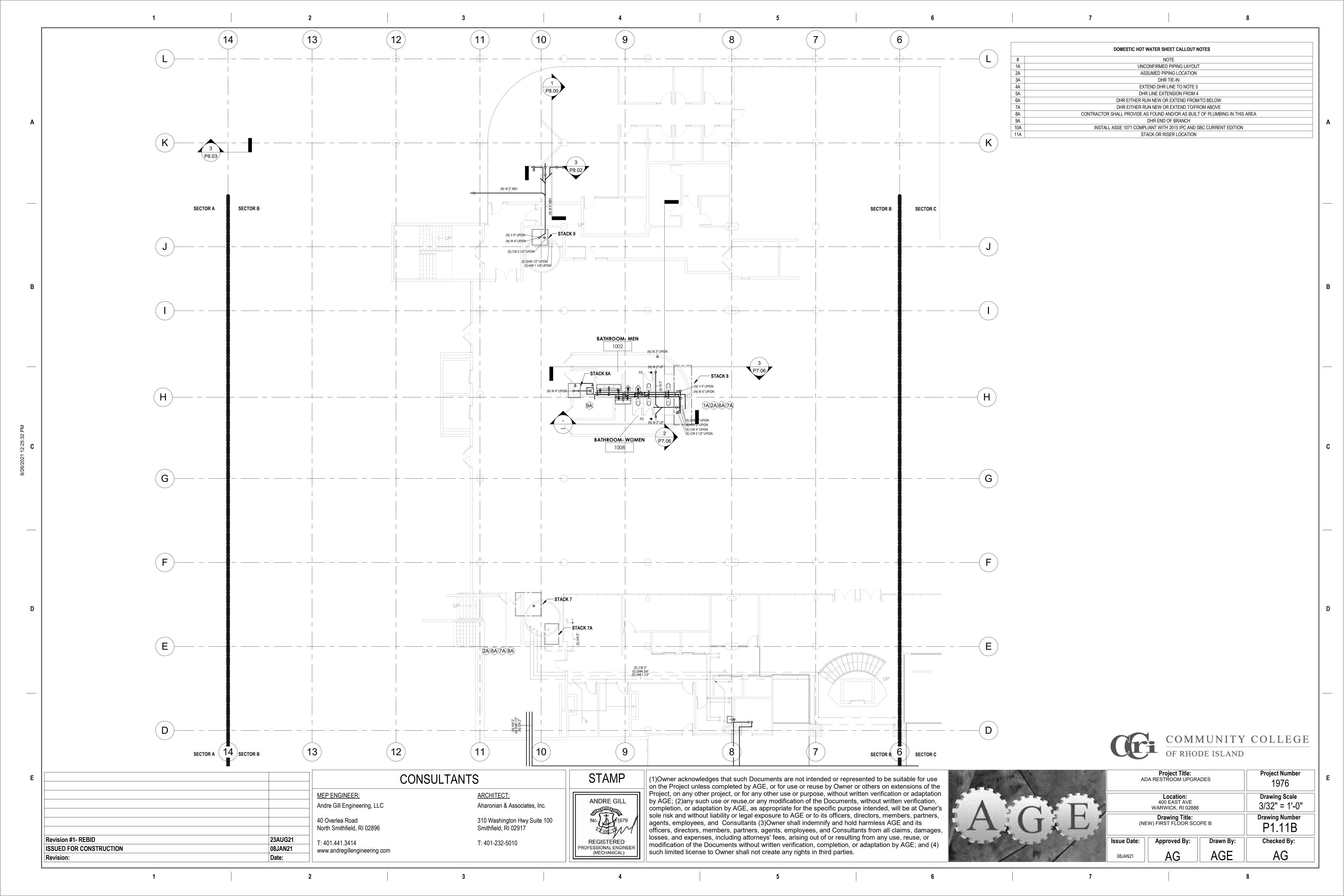


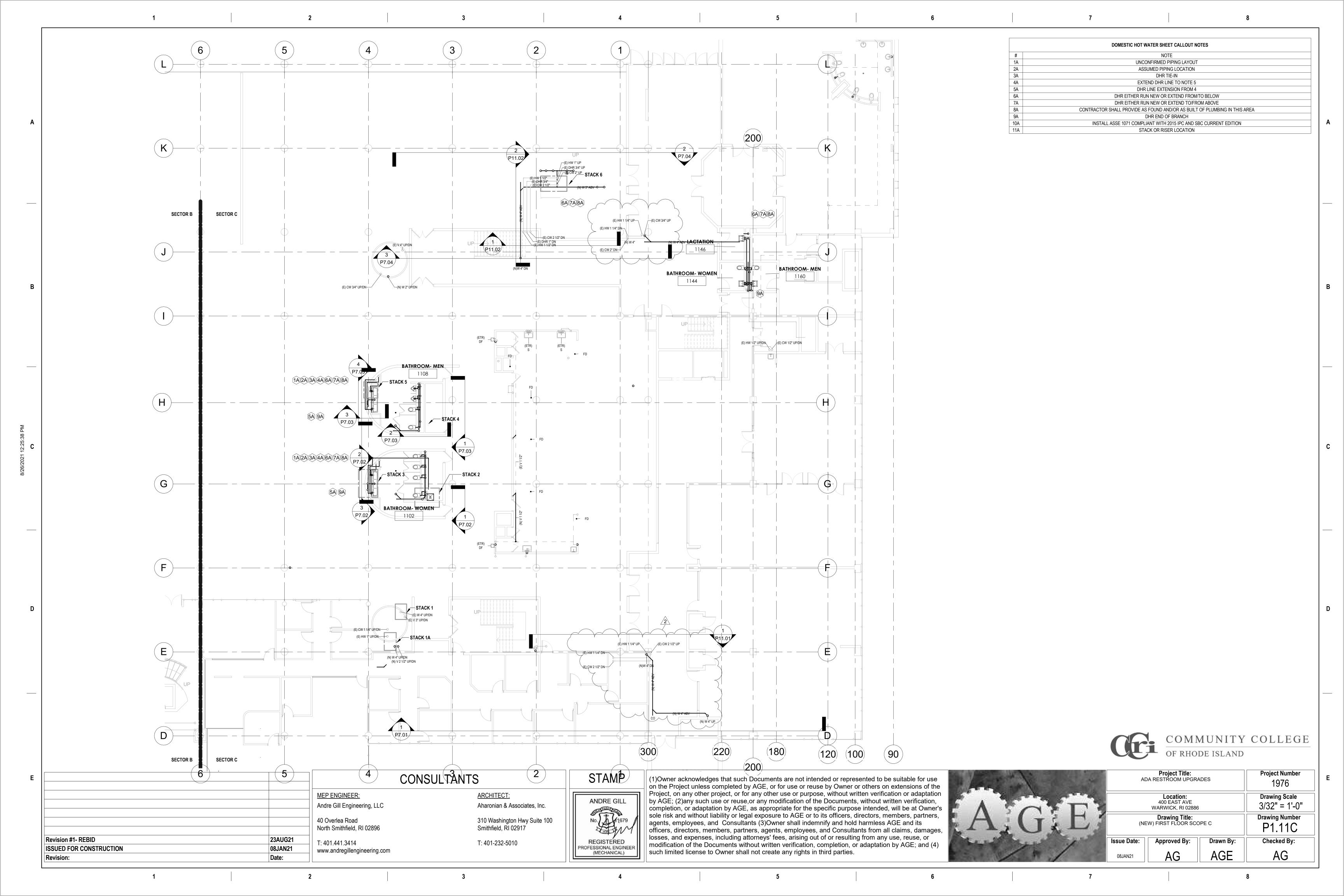


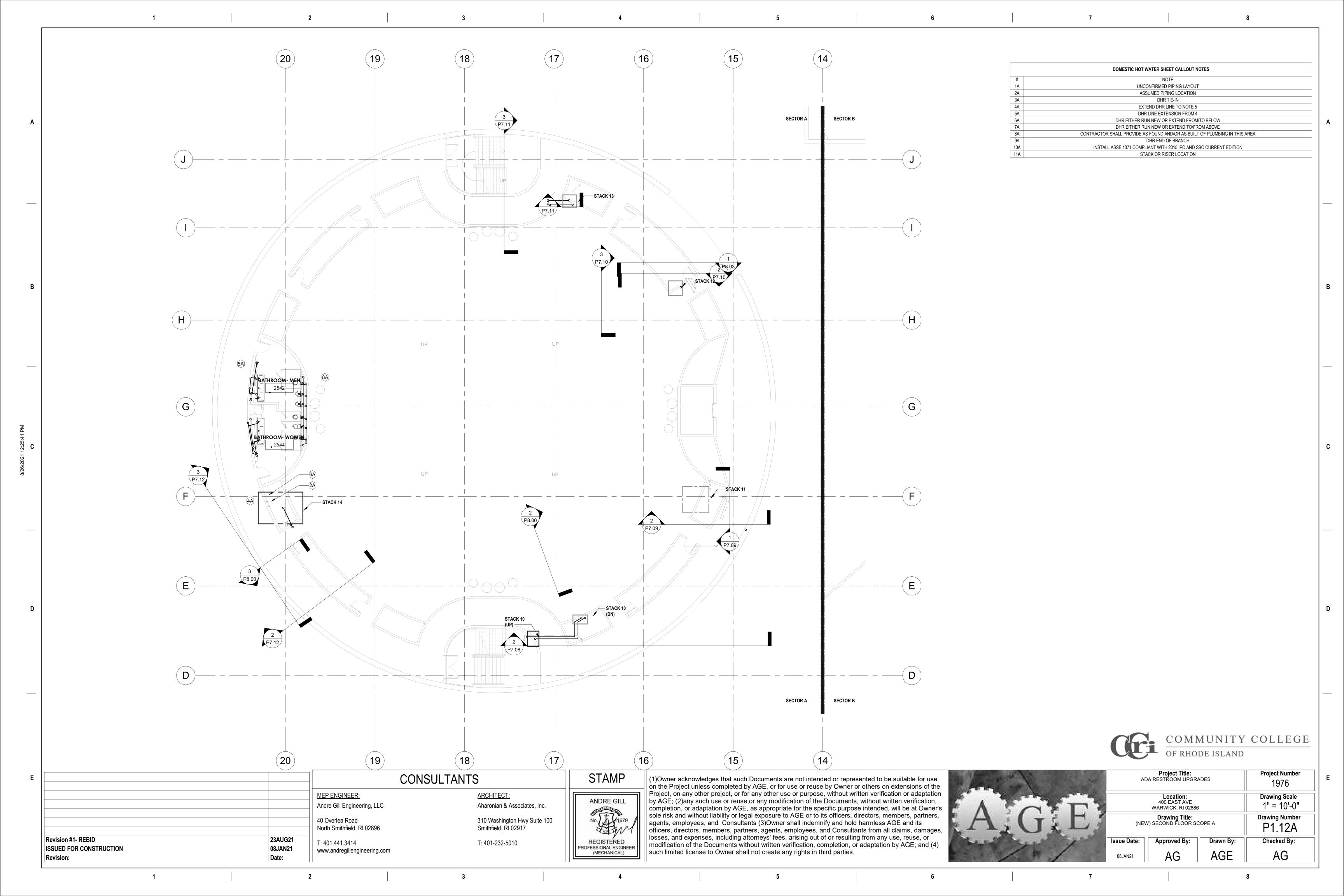


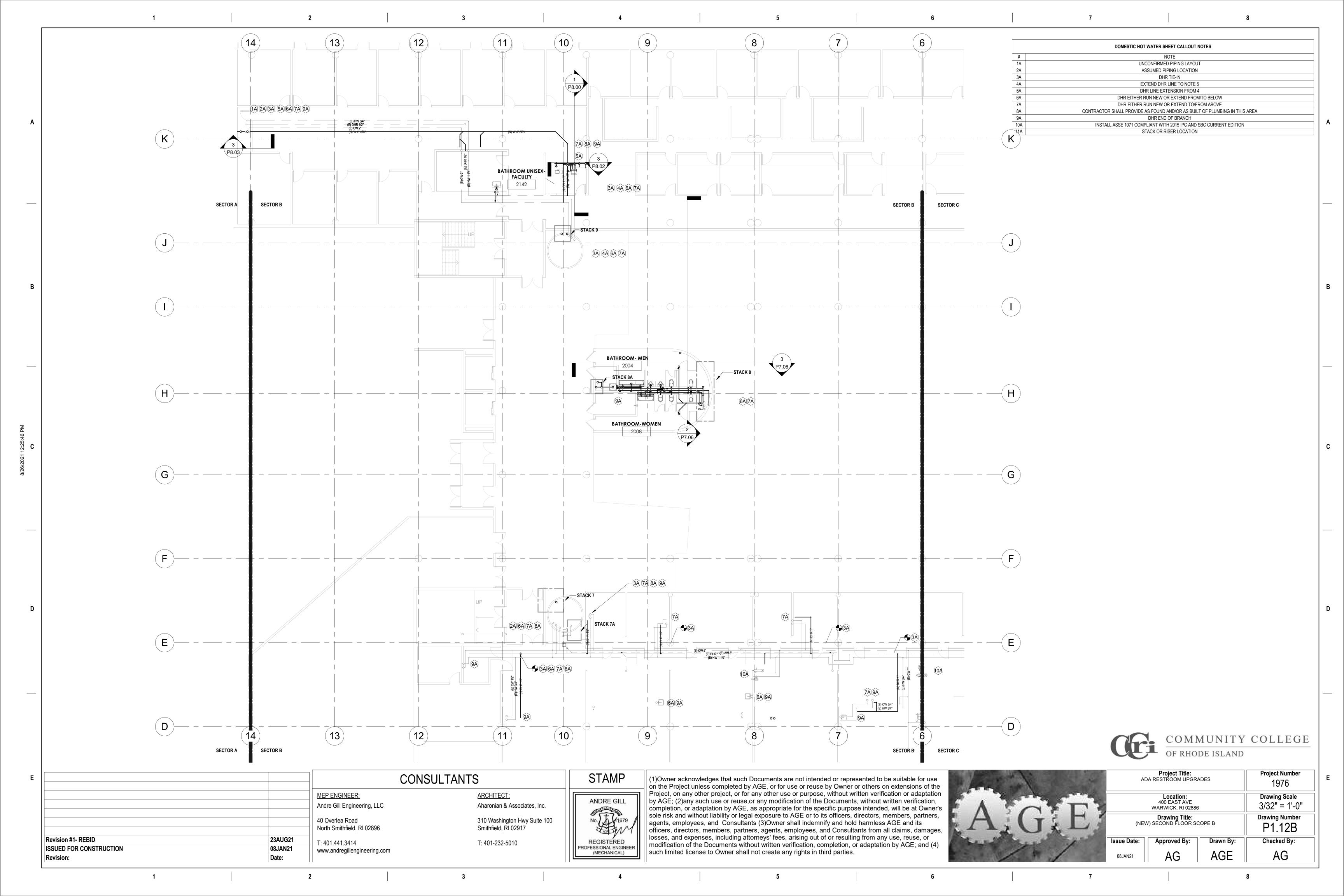


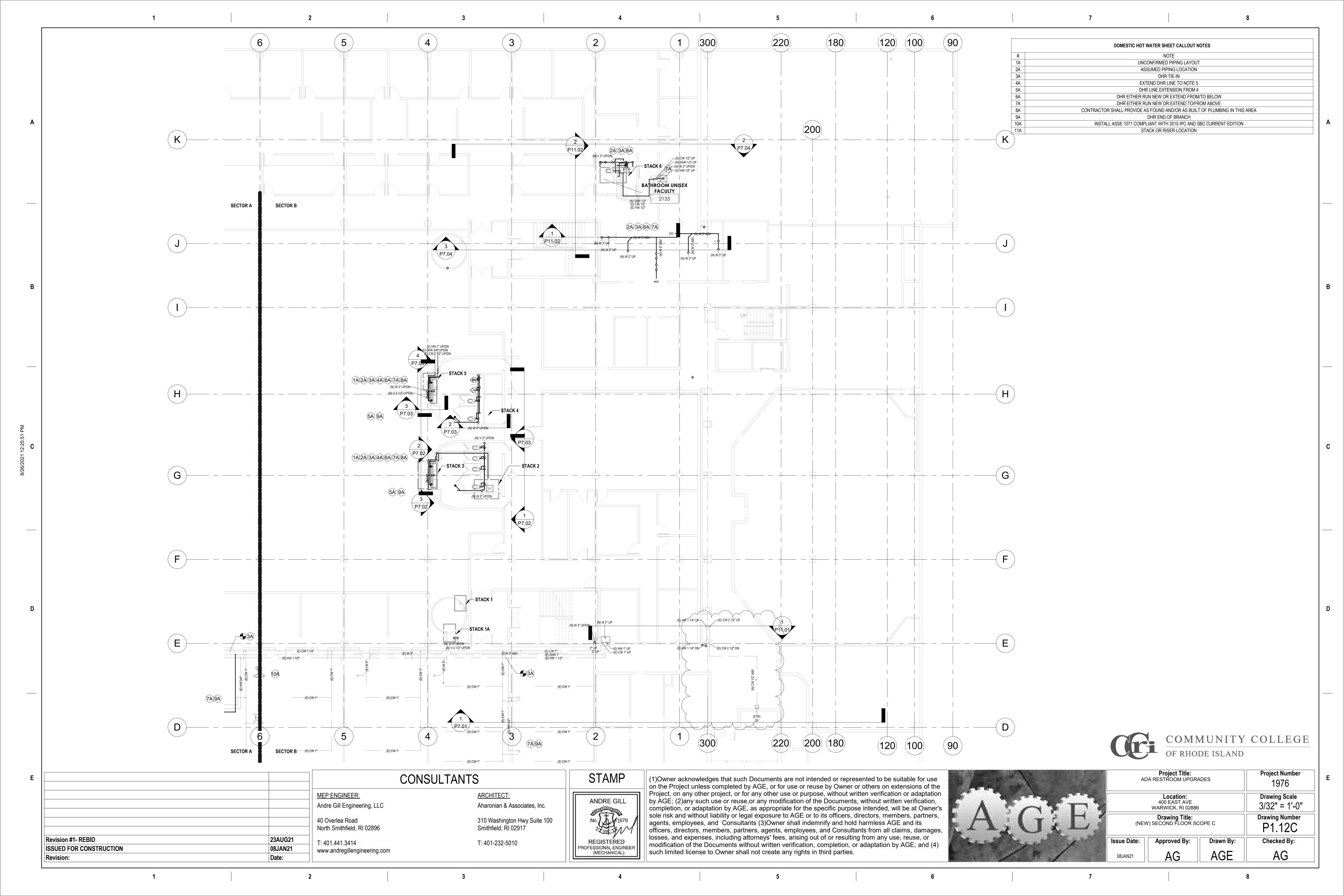


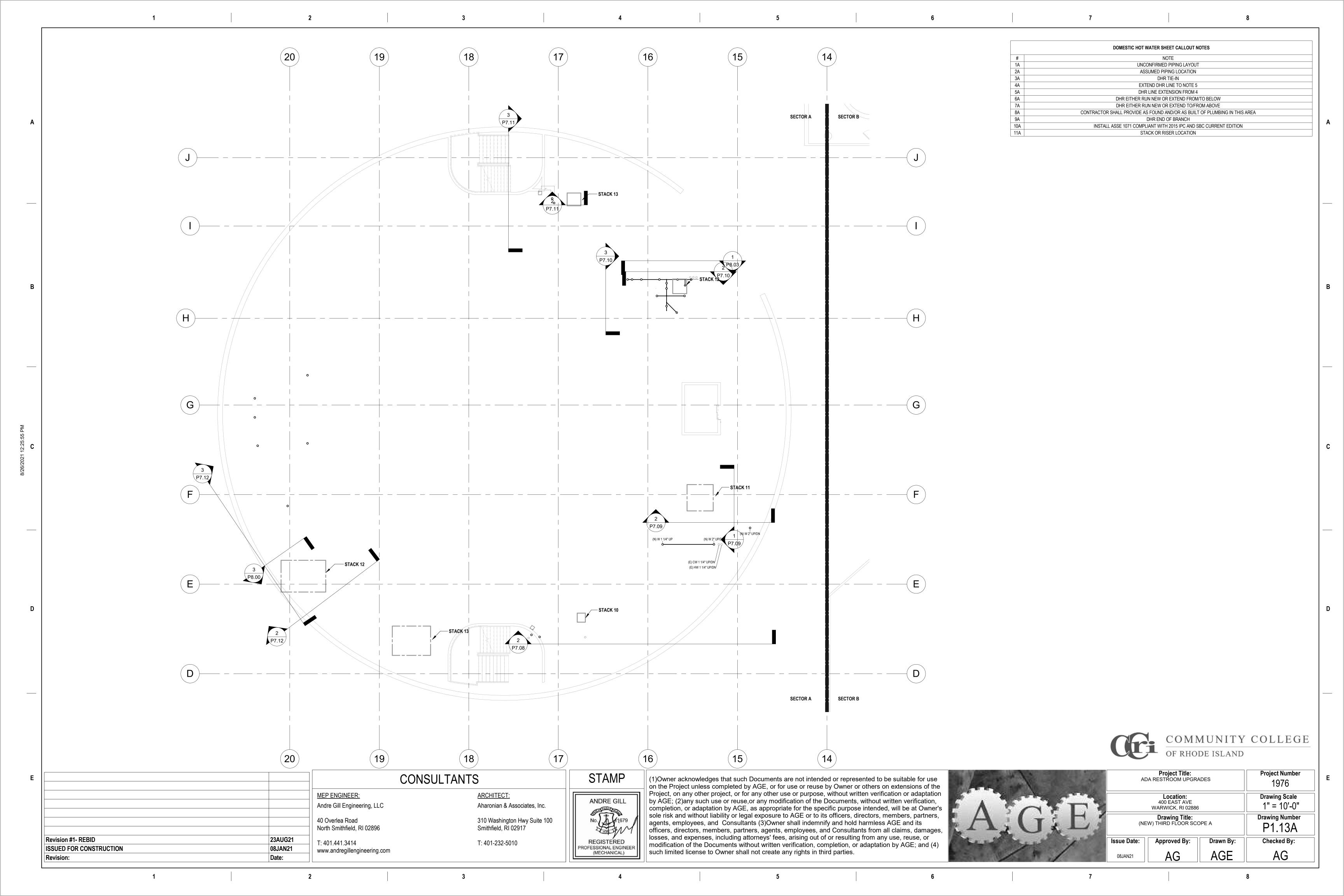


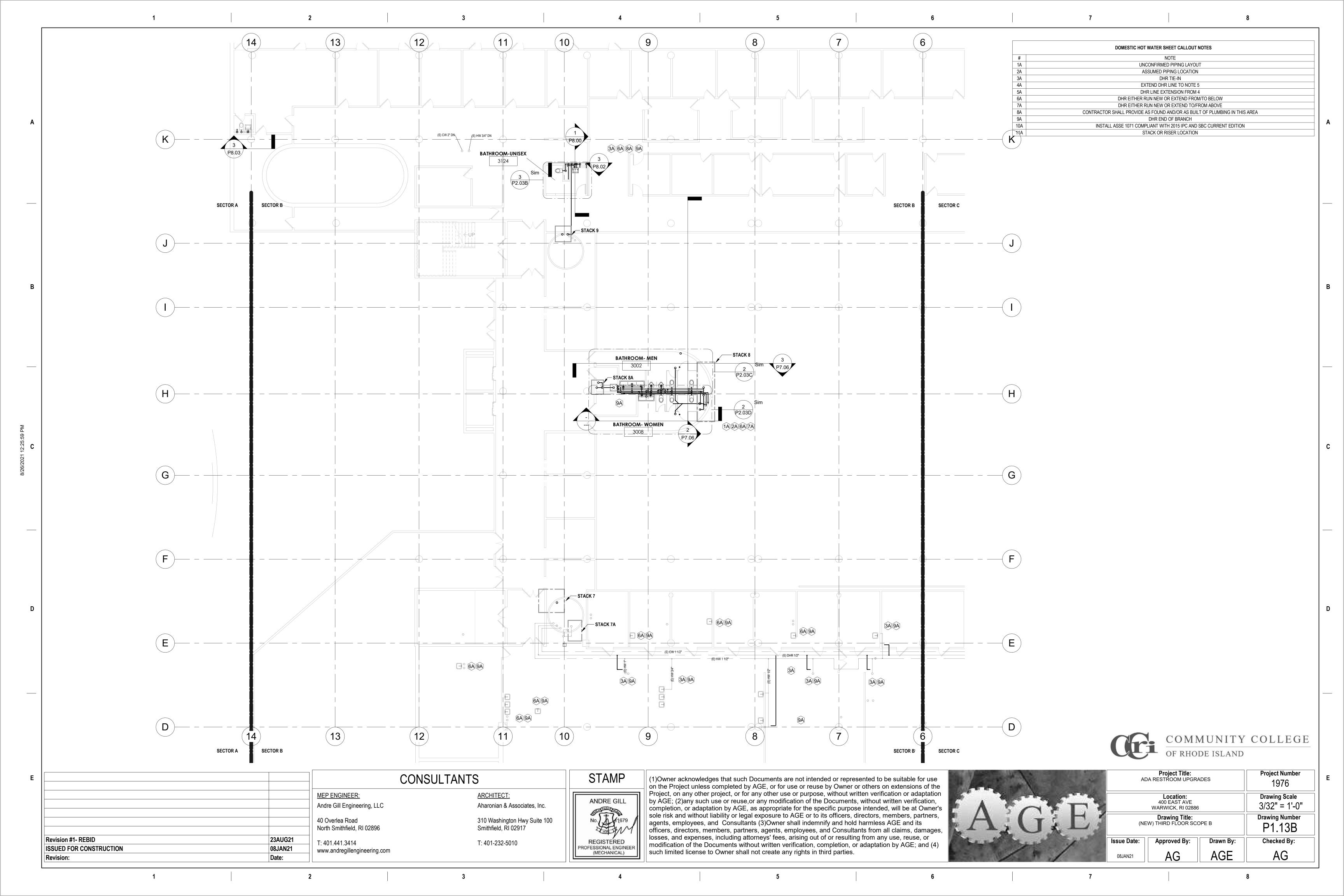


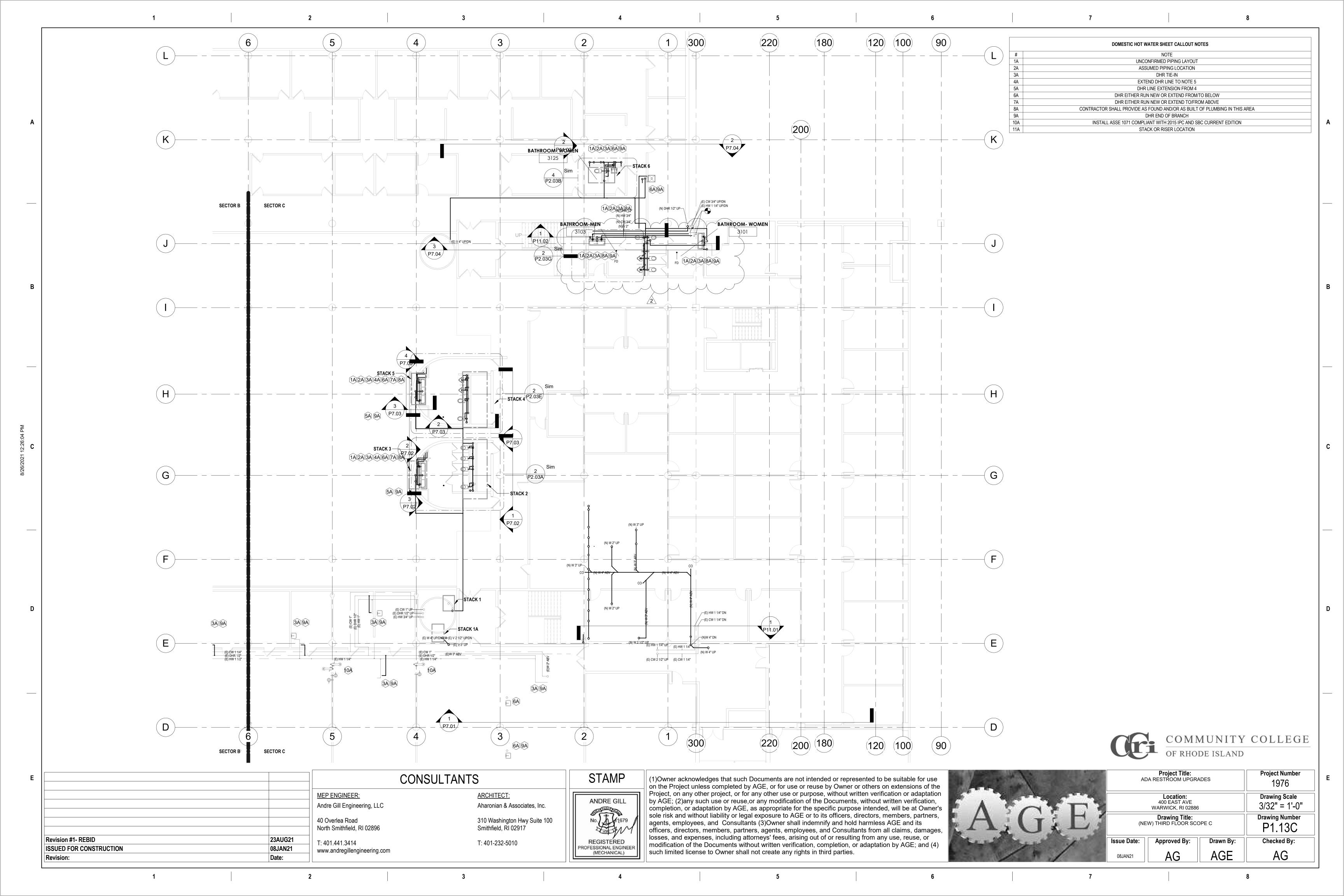


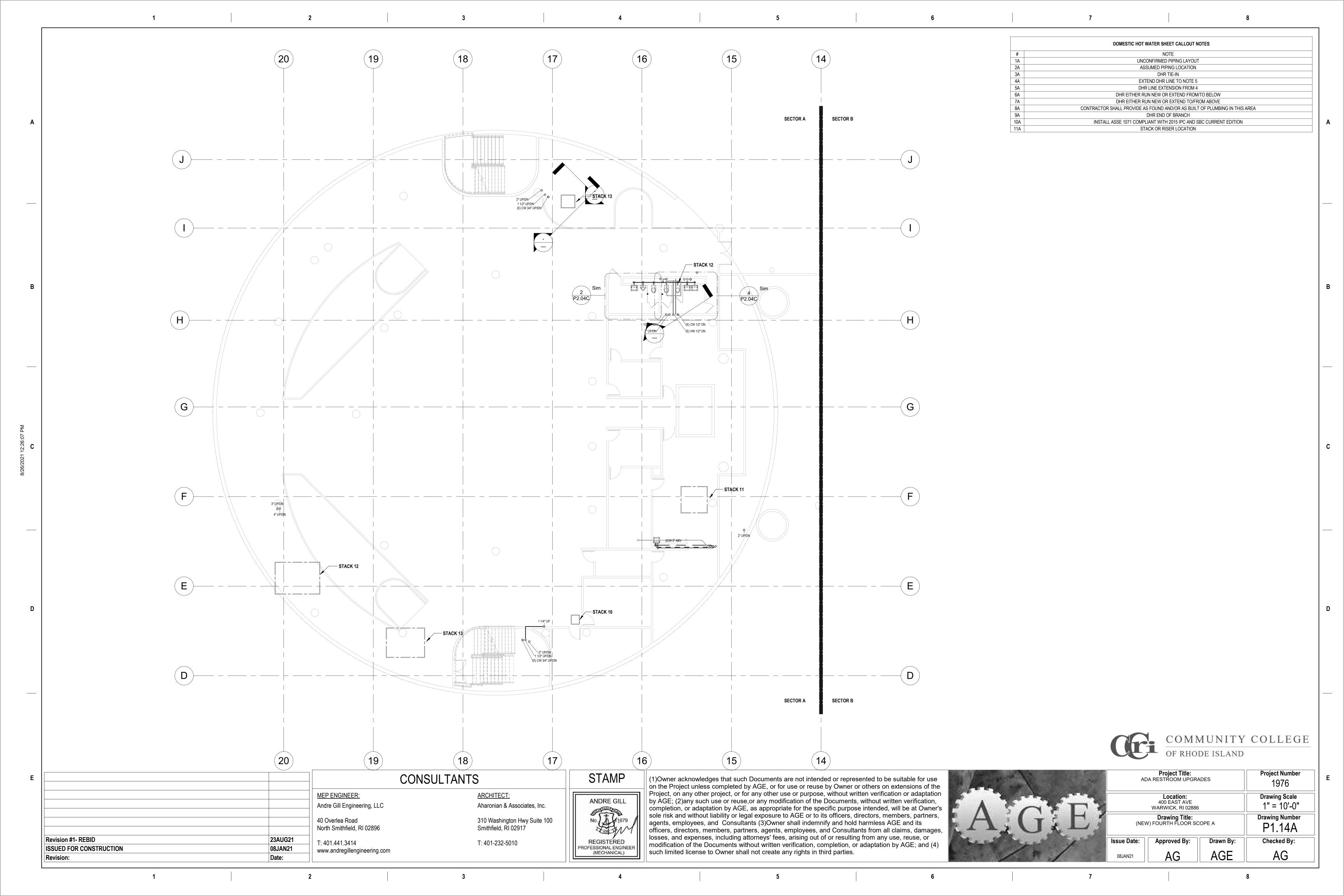


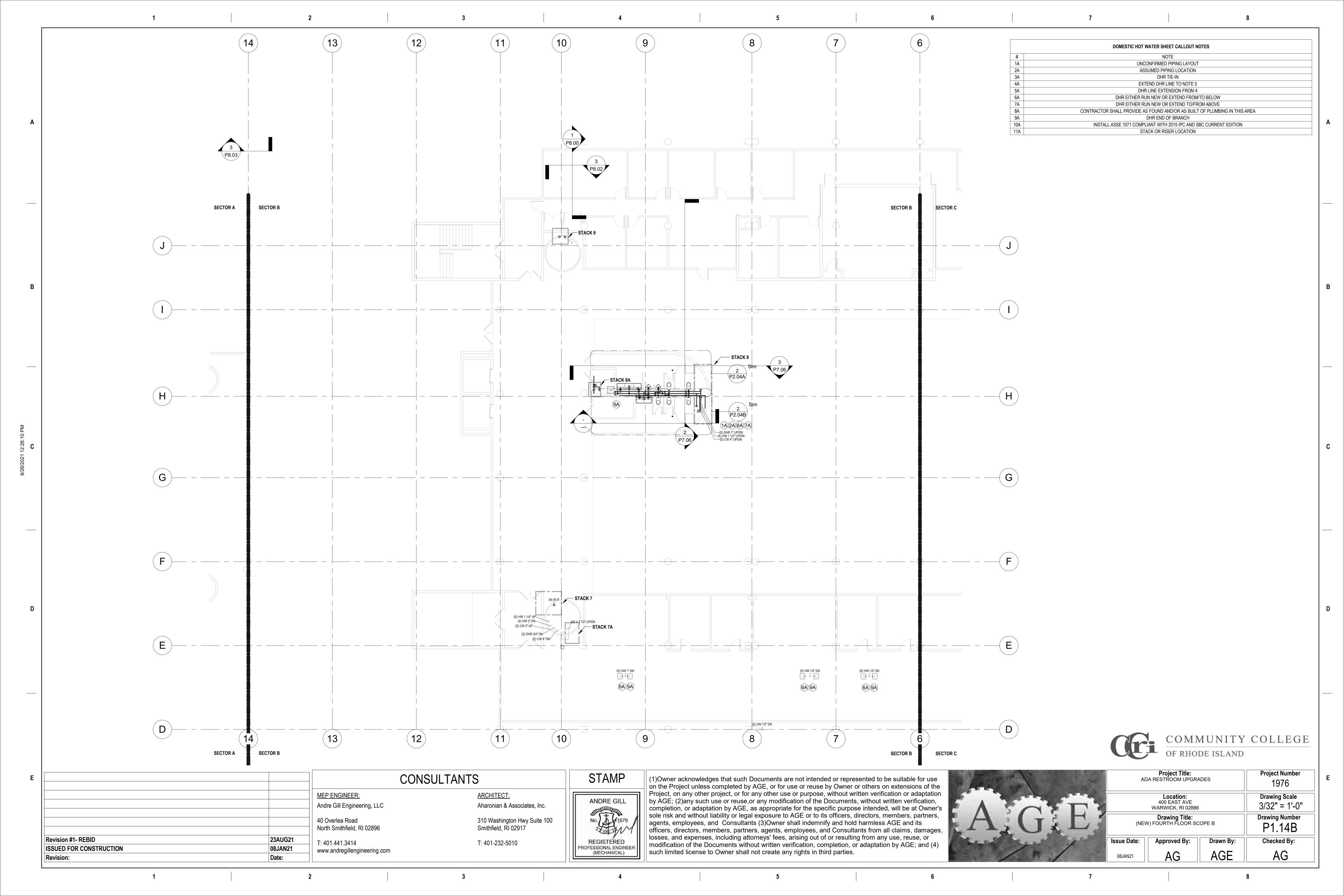


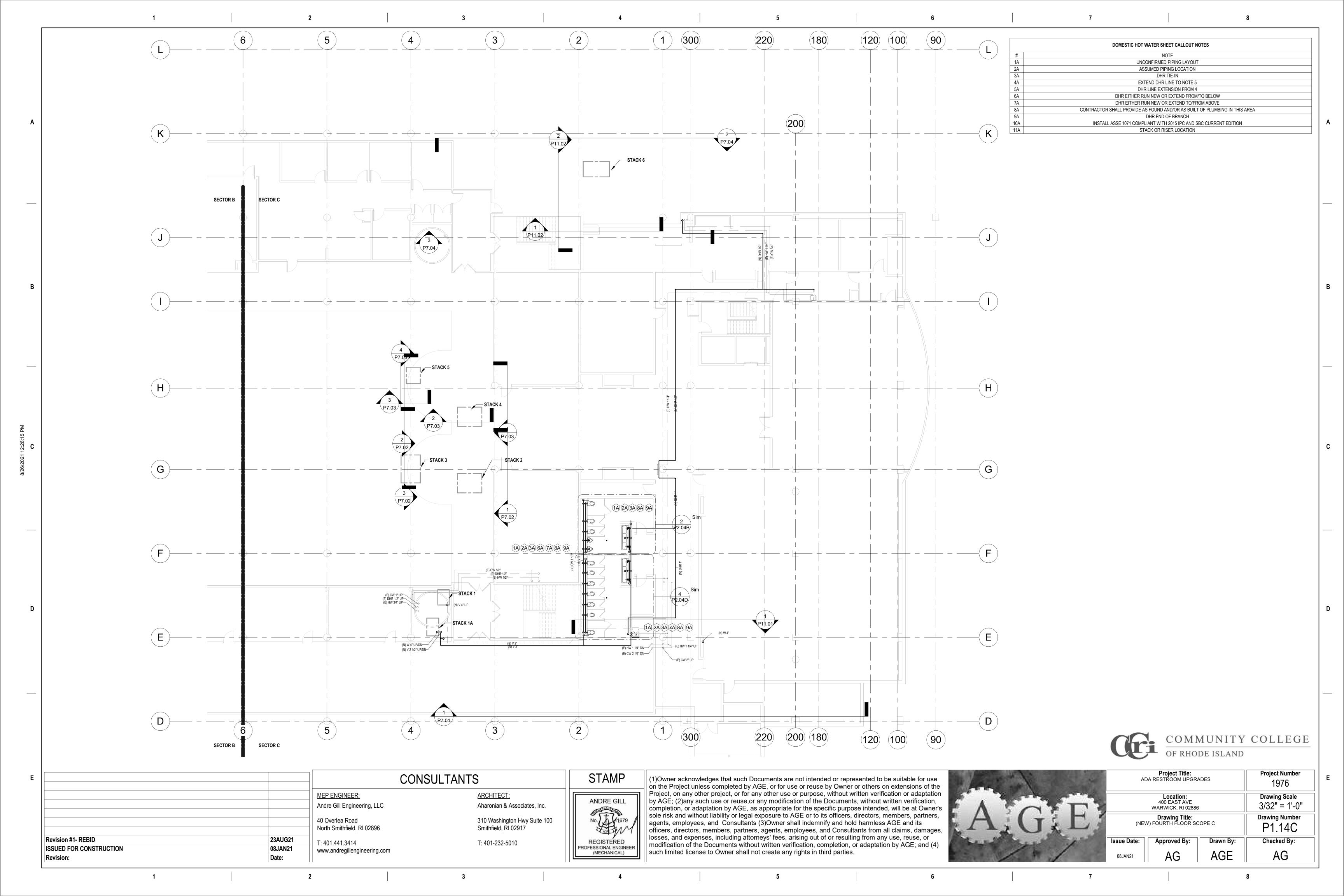


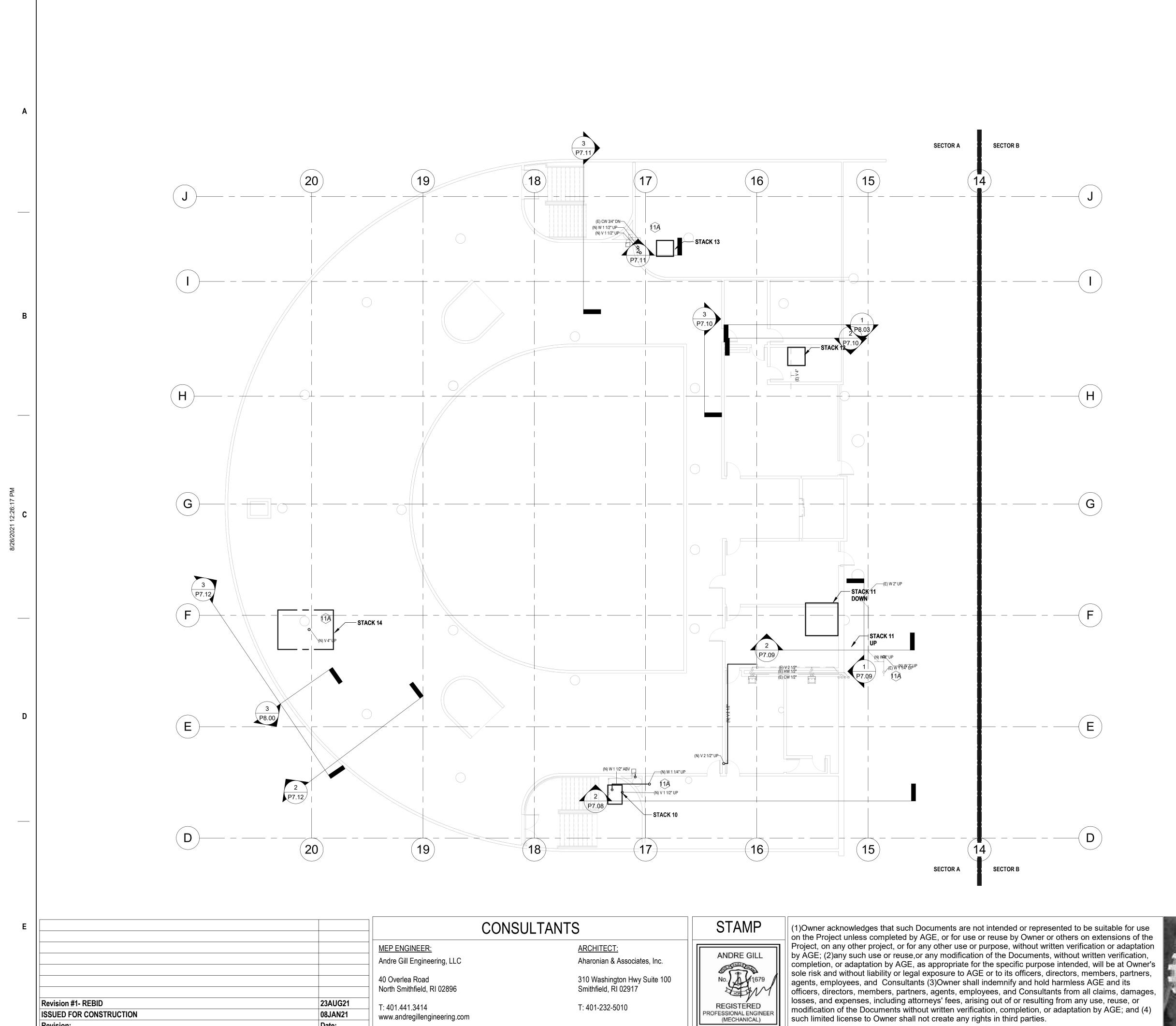










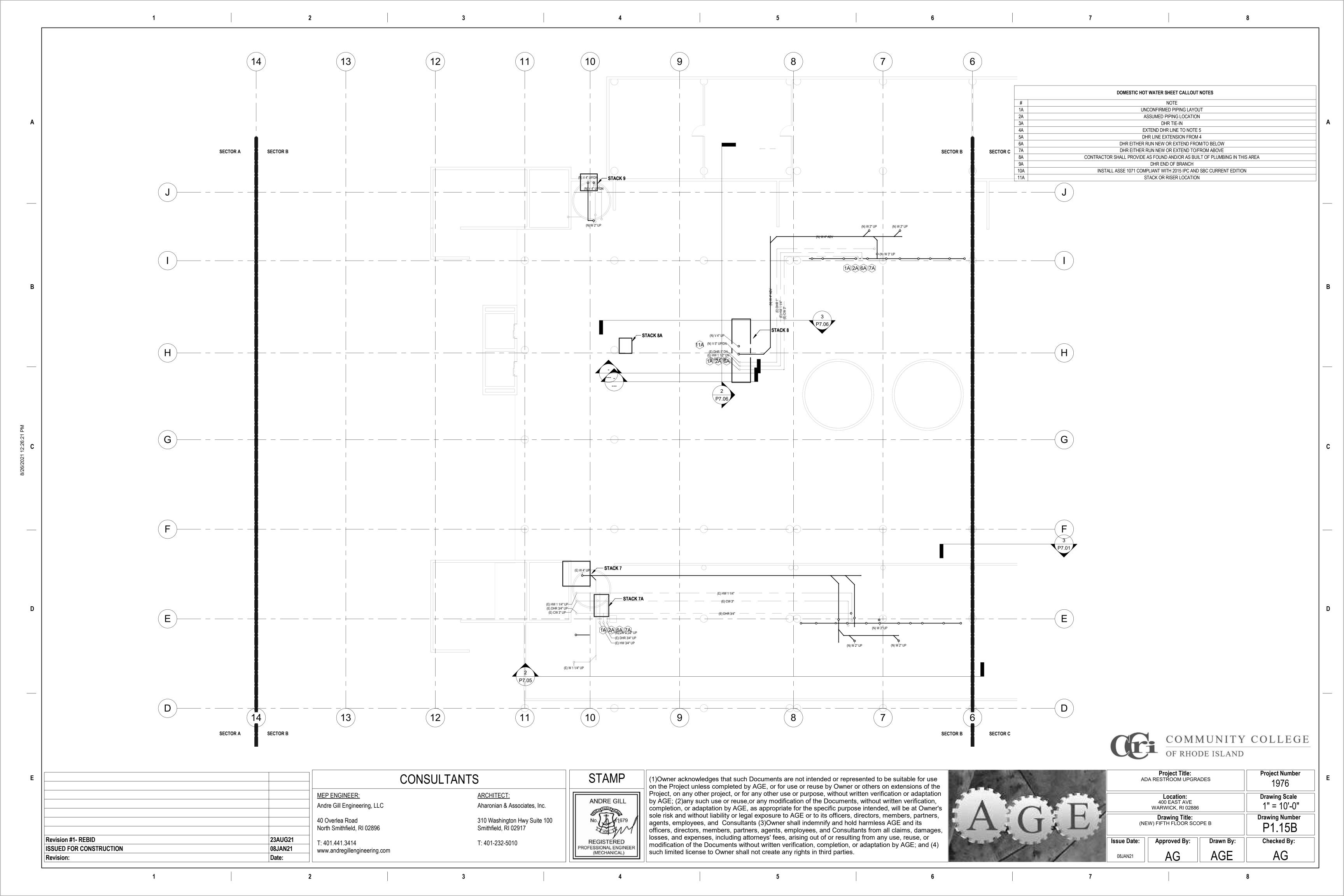


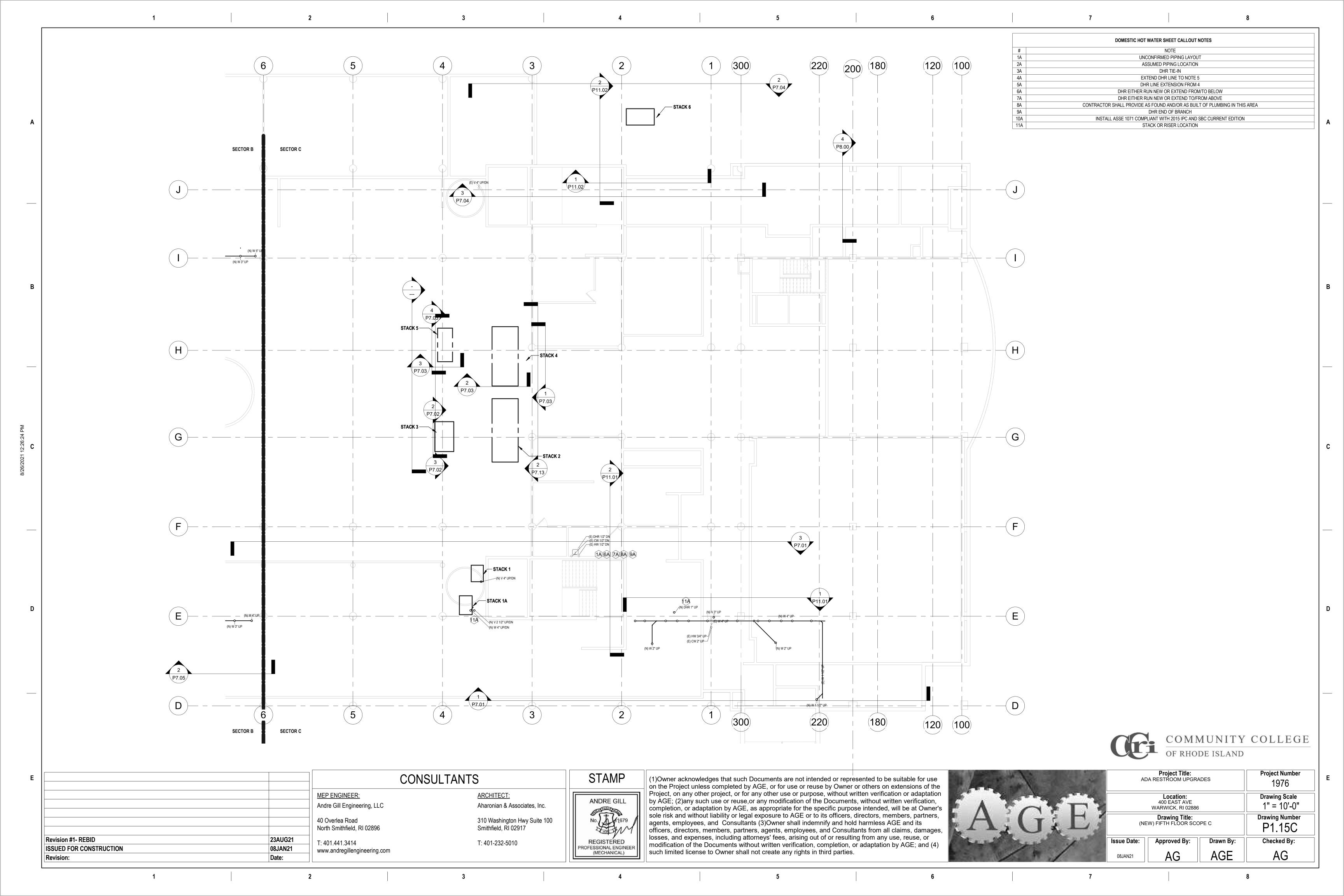
NOTE
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11A

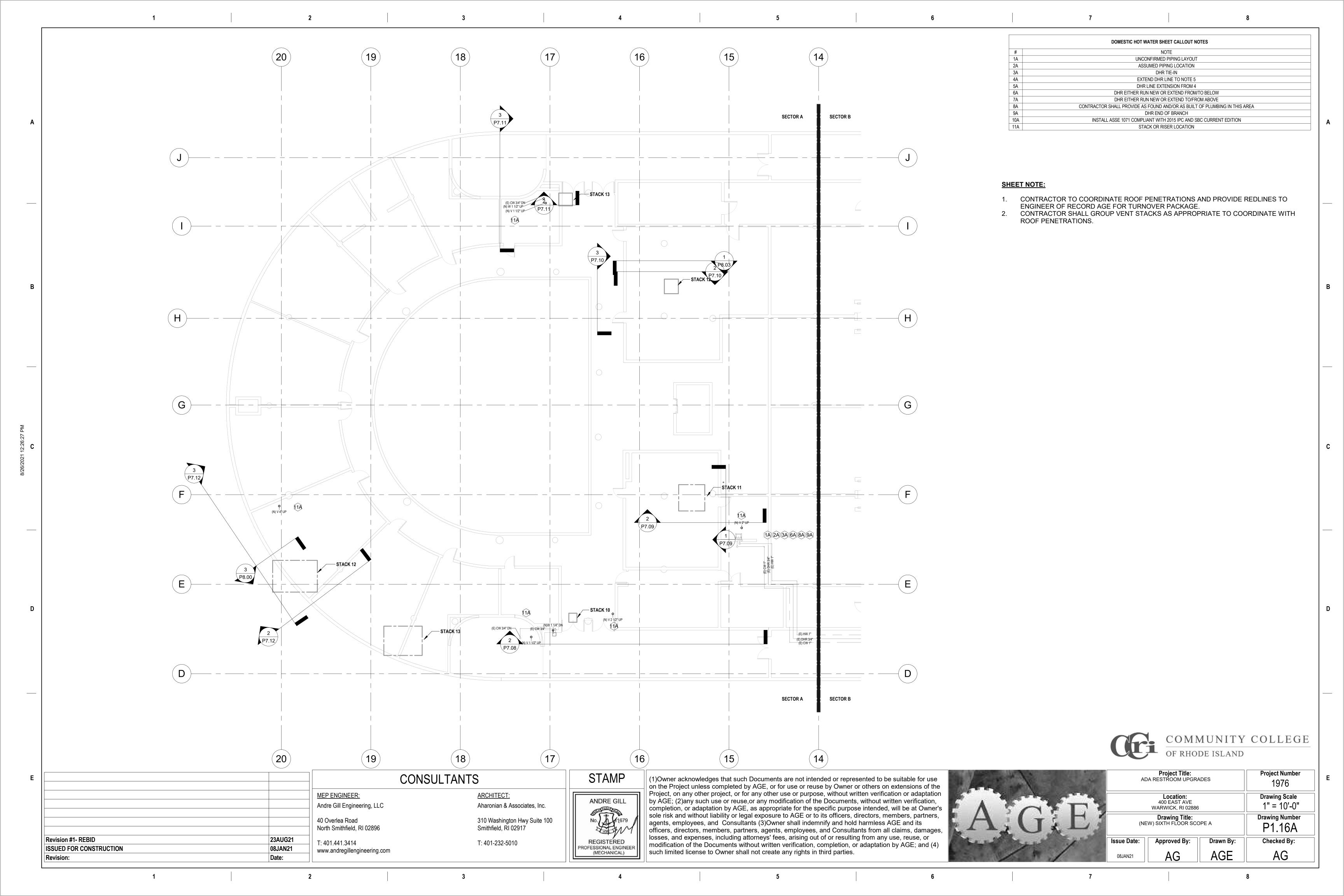
COMMUNITY COLLEGE
OF RHODE ISLAND

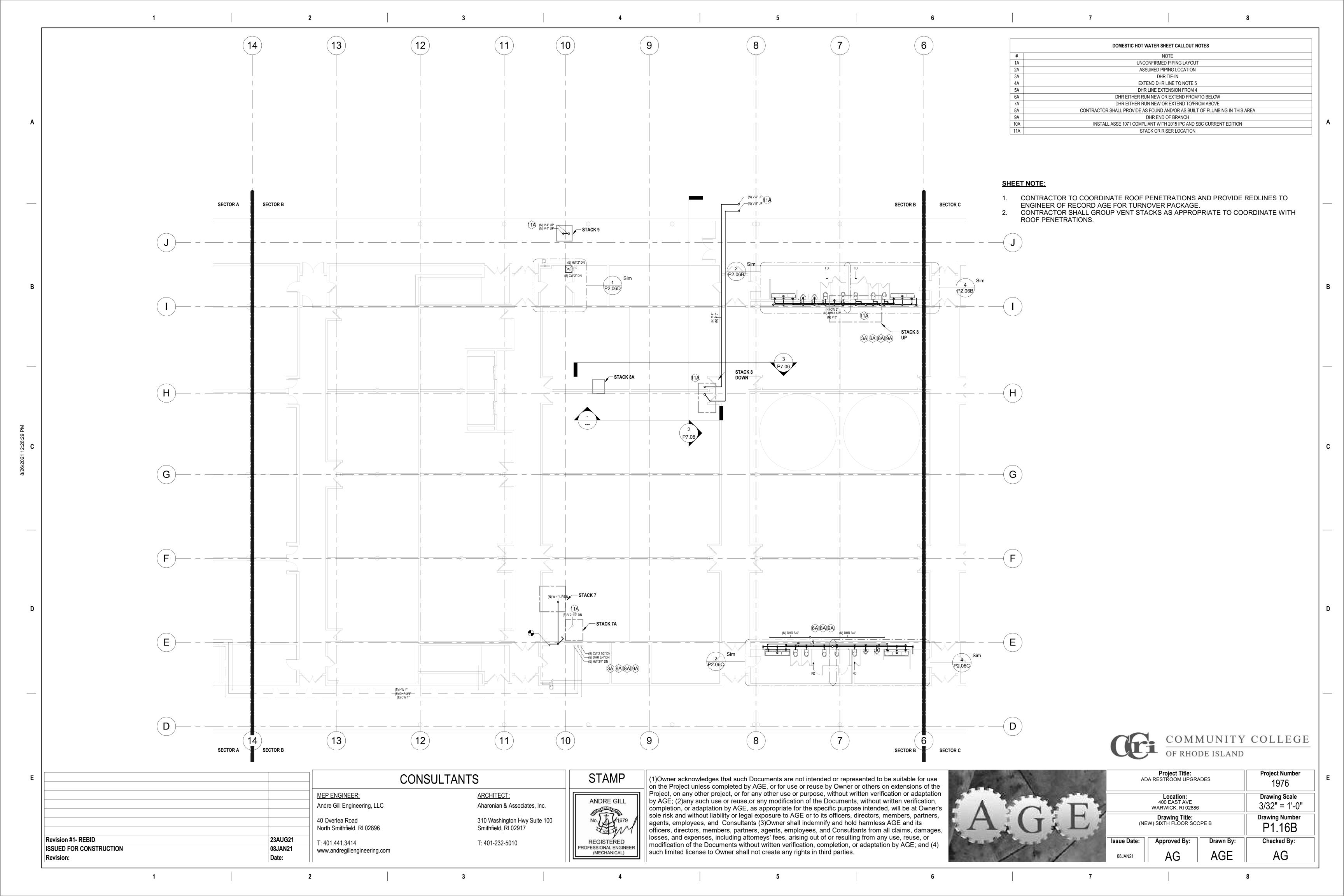
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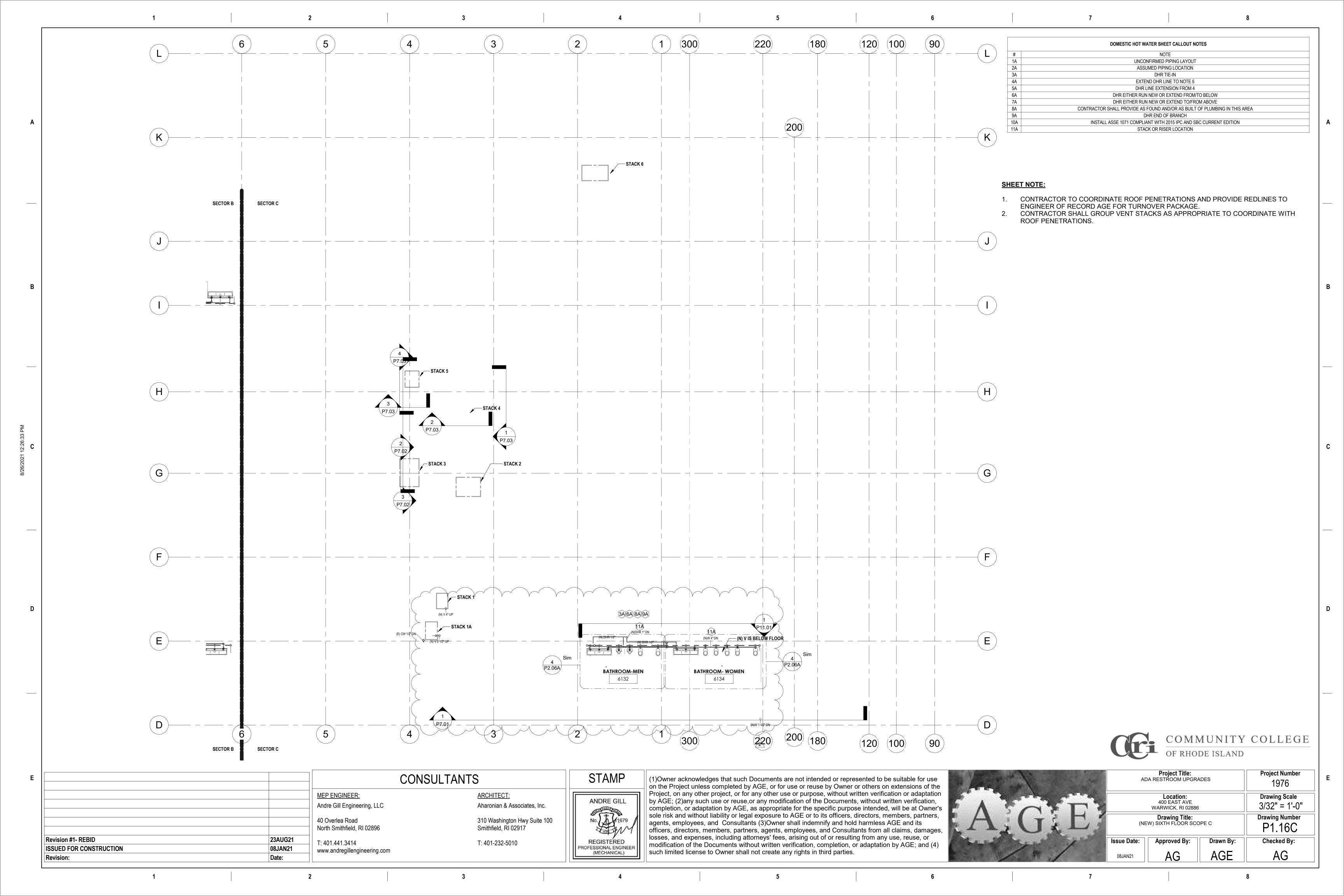
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1	Location: 400 EAST AVE WARWICK, RI 02886			Drawing Scale 1" = 10'-0"
15	Drawing Title: (NEW) FIFTH FLOOR SCOPE A			Drawing Number P1.15A
	Issue Date:	Approved By:	Drawn By:	Checked By:
18	08JAN21	AG	AGE	AG

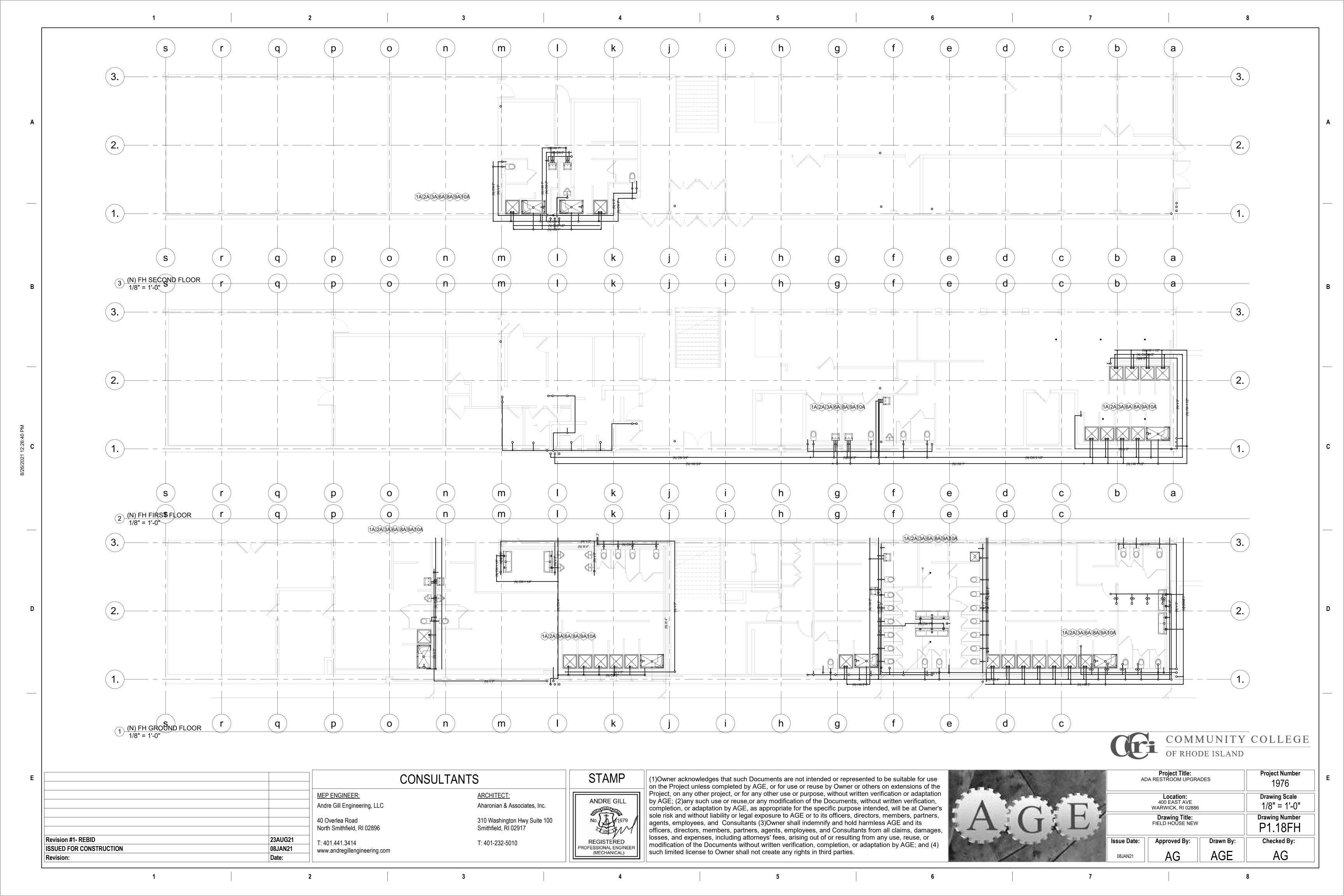


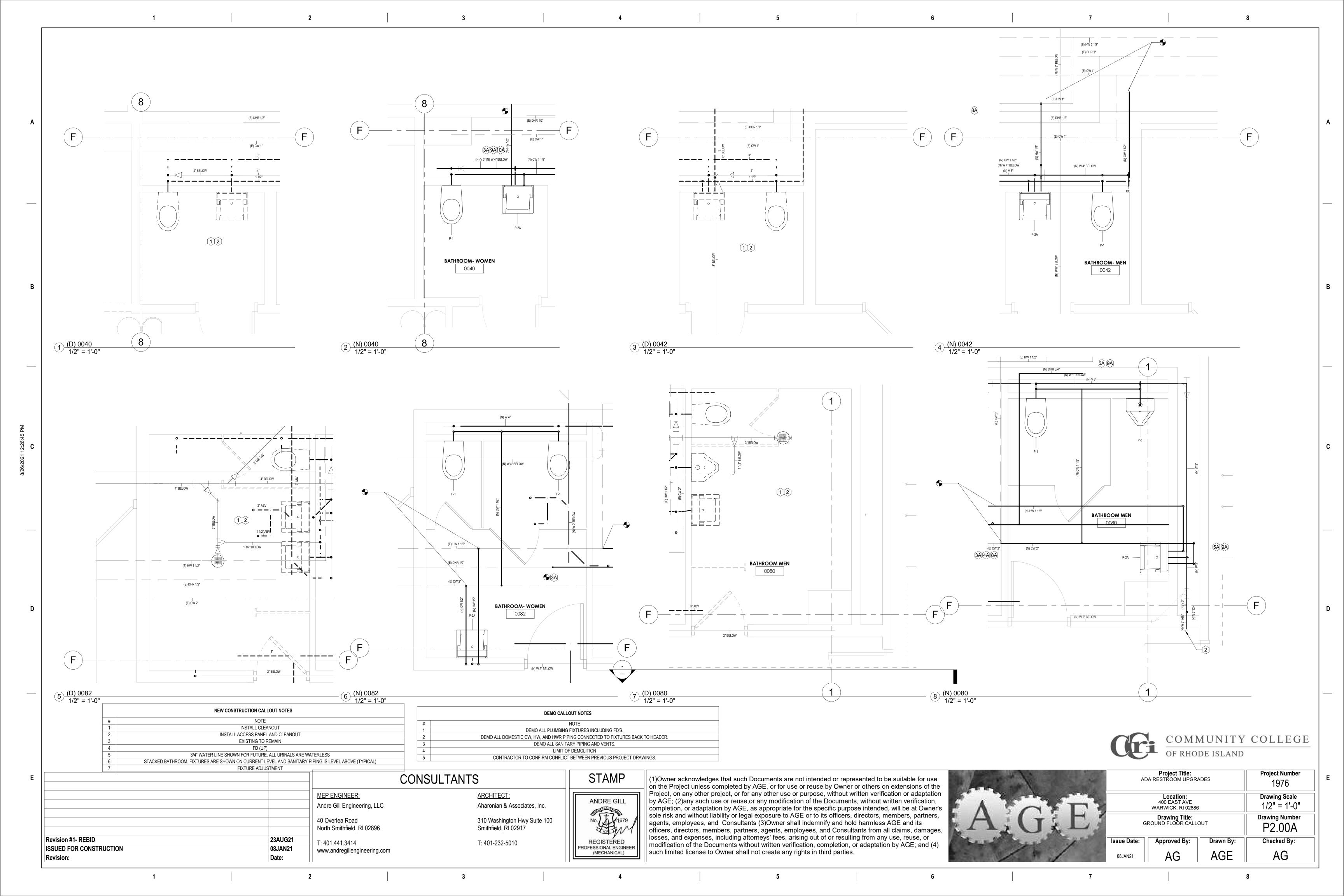


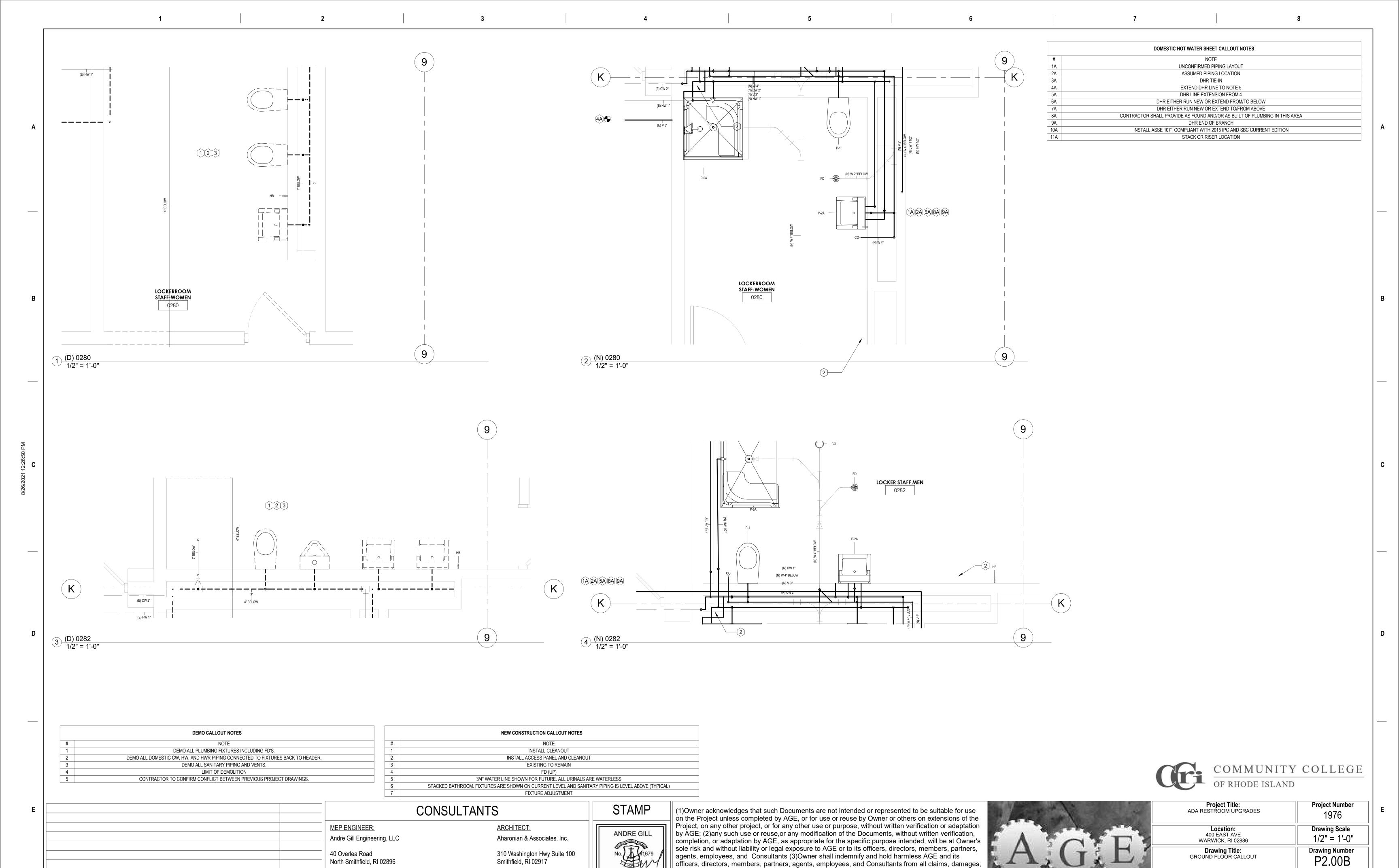












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T: 401-232-5010

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such limited license to Owner shall not create any rights in third parties.

Checked By:

Drawn By:

AGE

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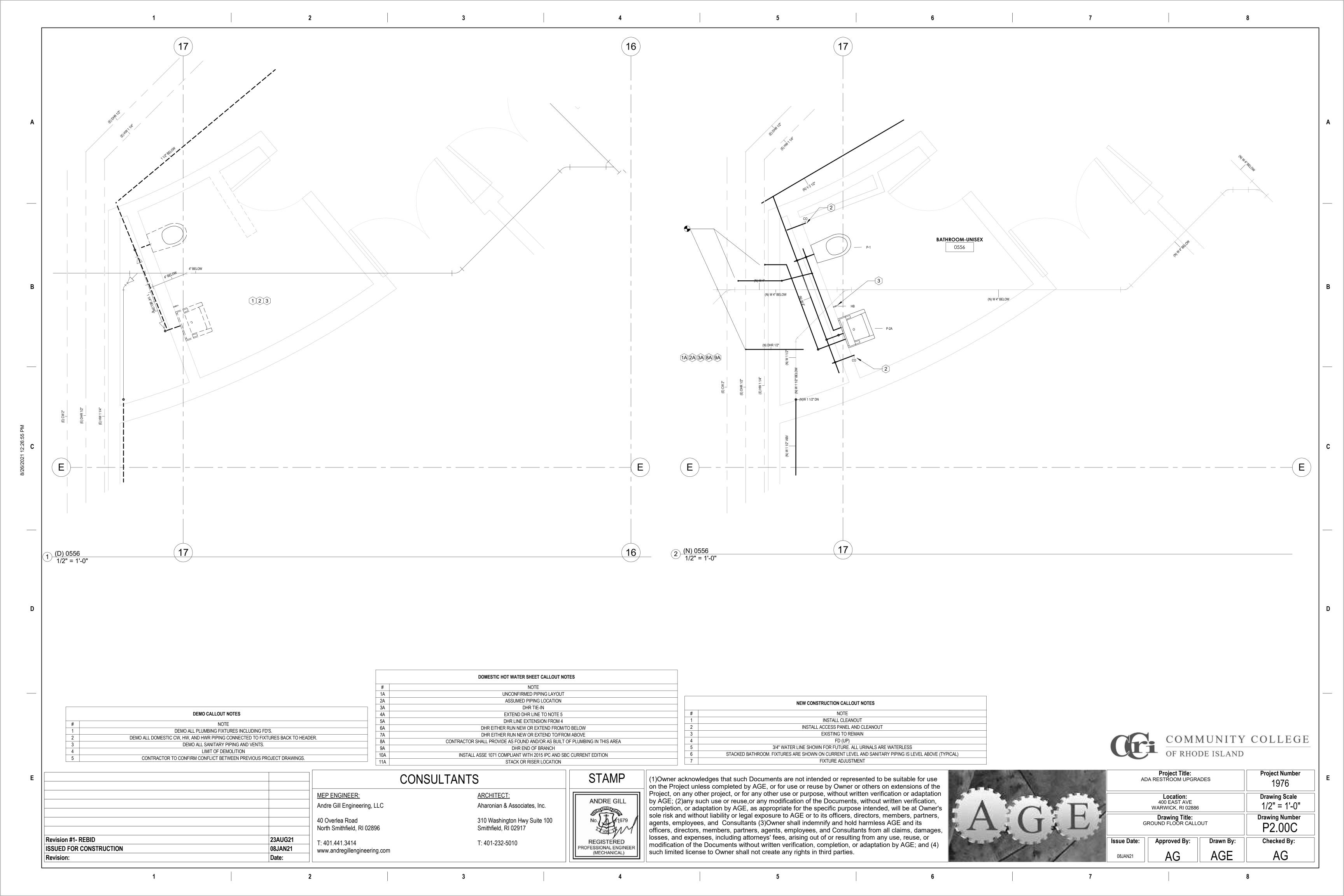
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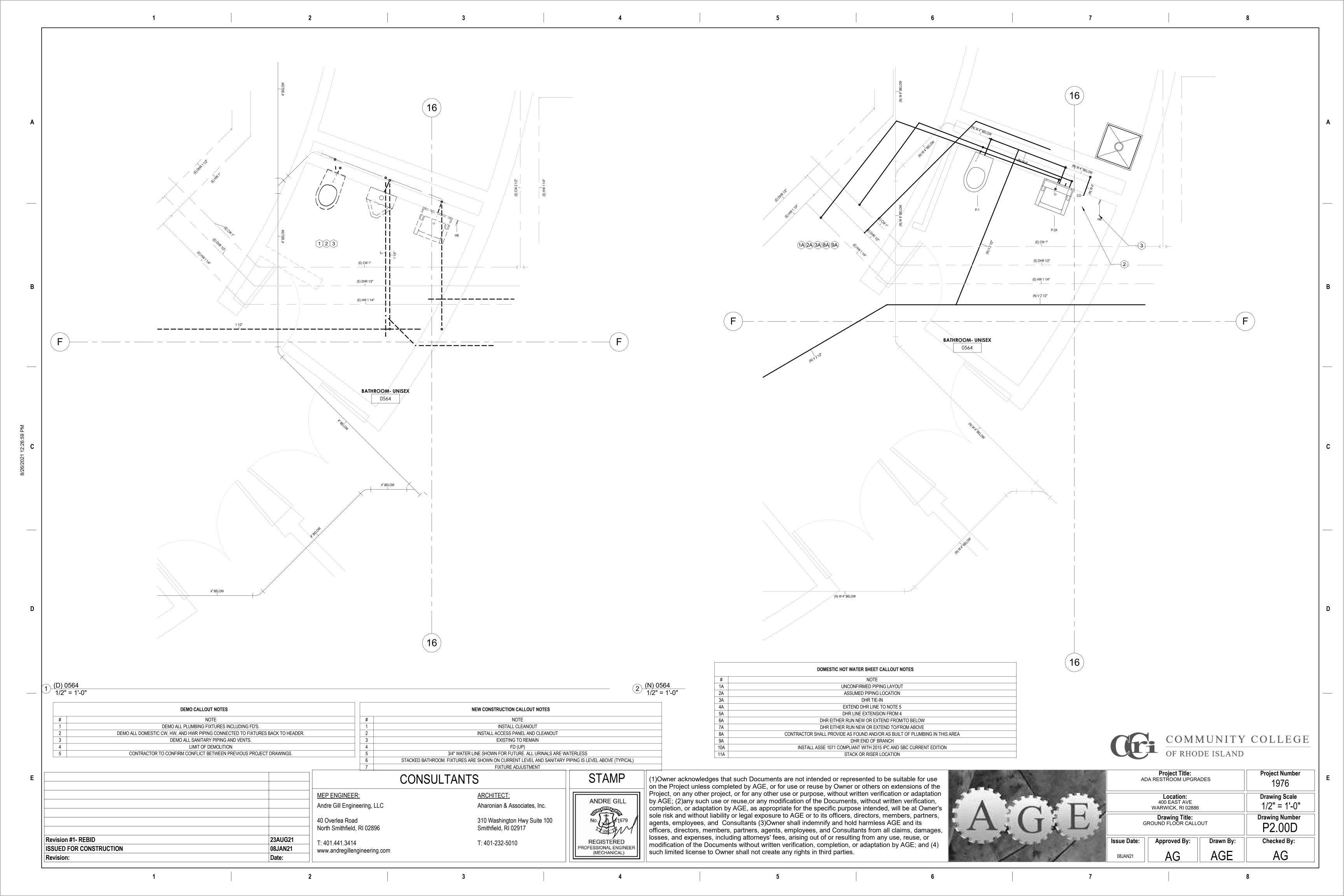
T: 401.441.3414

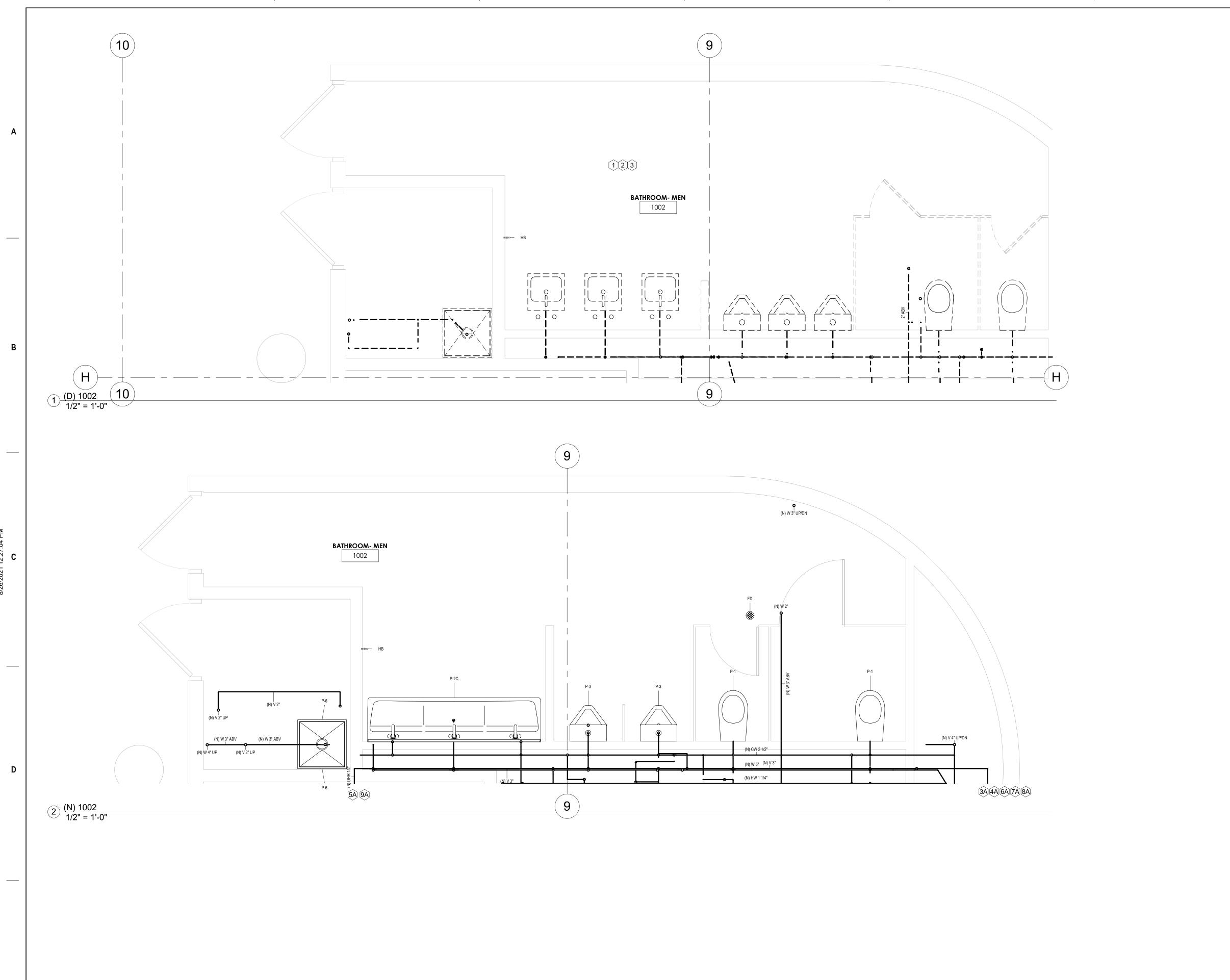
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CONSULTANTS

ARCHITECT:

T: 401-232-5010

Aharonian & Associates, Inc.

310 Washington Hwy Suite 100 Smithfield, RI 02917

MEP ENGINEER:

40 Overlea Road

T: 401.441.3414

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Andre Gill Engineering, LLC

North Smithfield, RI 02896

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	DOMESTIC HOT WATER SHEET CALLOUT NOTES				
#	NOTE				
1A	UNCONFIRMED PIPING LAYOUT				
2A ASSUMED PIPING LOCATION					
3A DHR TIE-IN					
4A	EXTEND DHR LINE TO NOTE 5				
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9A	DHR END OF BRANCH				
10A	INSTALL ASSE 1071 COMPLIANT WITH 2015 IPC AND SBC CURRENT EDITION				
11A	STACK OR RISER LOCATION				

	DEMO CALLOUT NOTES			
#	NOTE			
1	DEMO ALL PLUMBING FIXTURES INCLUDING FD'S.			
2	DEMO ALL DOMESTIC CW, HW, AND HWR PIPING CONNECTED TO FIXTURES BACK TO HEADER.			
3	DEMO ALL SANITARY PIPING AND VENTS.			
4	LIMIT OF DEMOLITION			
5	CONTRACTOR TO CONFIRM CONFLICT BETWEEN PREVIOUS PROJECT DRAWINGS.			

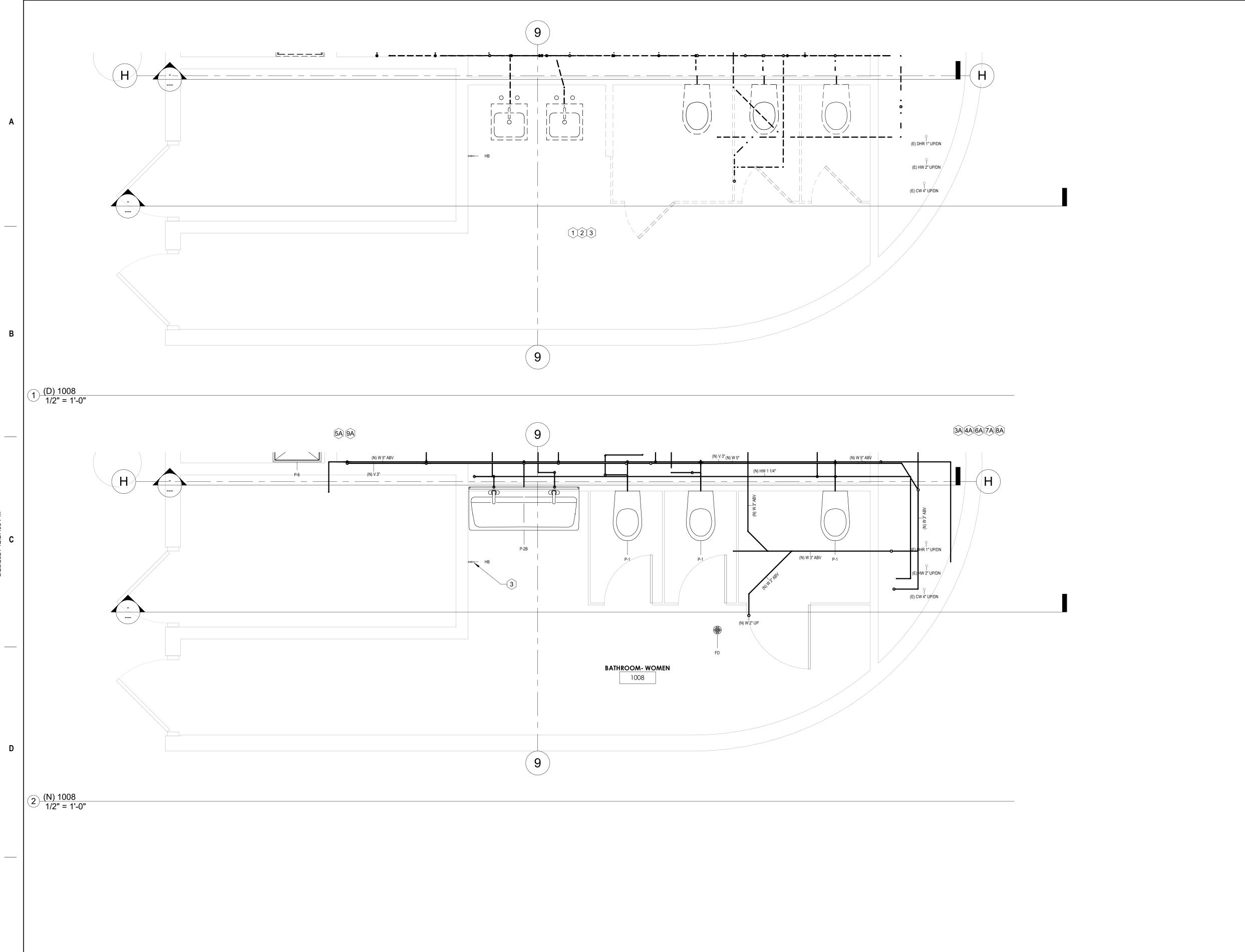
	NEW CONSTRUCTION CALLOUT NOTES				
#	NOTE				
1	INSTALL CLEANOUT				
2	INSTALL ACCESS PANEL AND CLEANOUT				
3	EXISTING TO REMAIN				
4	FD (UP)				
5	3/4" WATER LINE SHOWN FOR FUTURE. ALL URINALS ARE WATERLESS				
6	STACKED BATHROOM. FIXTURES ARE SHOWN ON CURRENT LEVEL AND SANITARY PIPING IS LEVEL ABOVE (TYPICAL)				
7	FIXTURE ADJUSTMENT				



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	Αſ	Project Title: DA RESTROOM UPGRA	ADES
		Location: 400 EAST AVE WARWICK, RI 02886	i
A. G. E.		Drawing Title: FIRST FLOOR CALLOU	JT
The state of the s	Issue Date:	Approved By:	Dra
	08JAN21	AG	Α

Project Title: ADA RESTROOM UPGRADES			Project Number 1976
Location: 400 EAST AVE WARWICK, RI 02886			Drawing Scale 1/2" = 1'-0"
Drawing Title: FIRST FLOOR CALLOUT			Drawing Number P2.01A
Issue Date:	Approved By:	Drawn By:	Checked By:
08JAN21	08JAN21 AG AGE		AG



CONSULTANTS

ARCHITECT:

T: 401-232-5010

Aharonian & Associates, Inc.

310 Washington Hwy Suite 100 Smithfield, RI 02917

MEP ENGINEER:

40 Overlea Road

T: 401.441.3414

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Andre Gill Engineering, LLC

North Smithfield, RI 02896

www.andregillengineering.com

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ANDRE GILL

REGISTERED

PROFESSIONAL ENGINEER (MECHANICAL) # NOTE

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4 LIMIT OF DEMOLITION

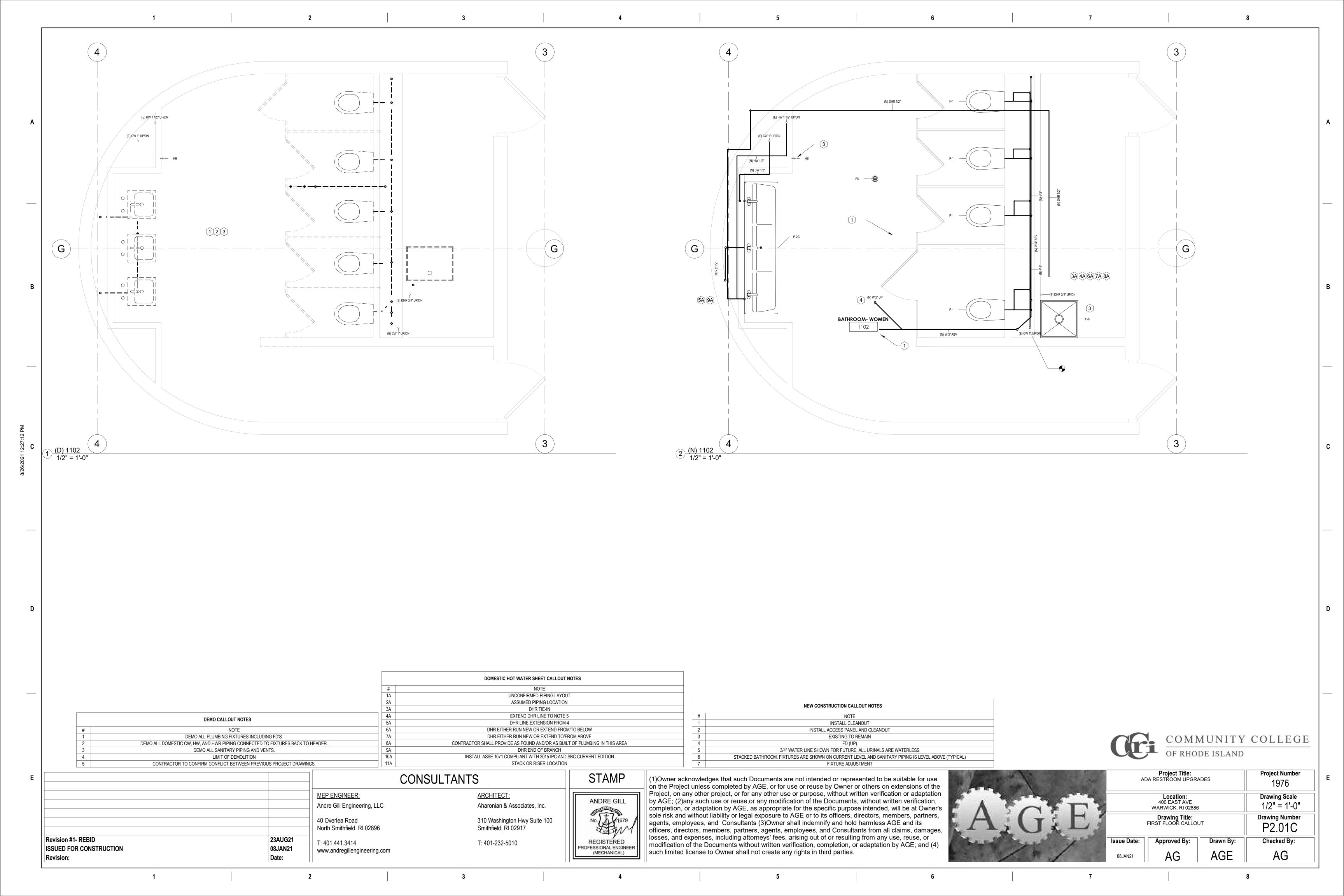
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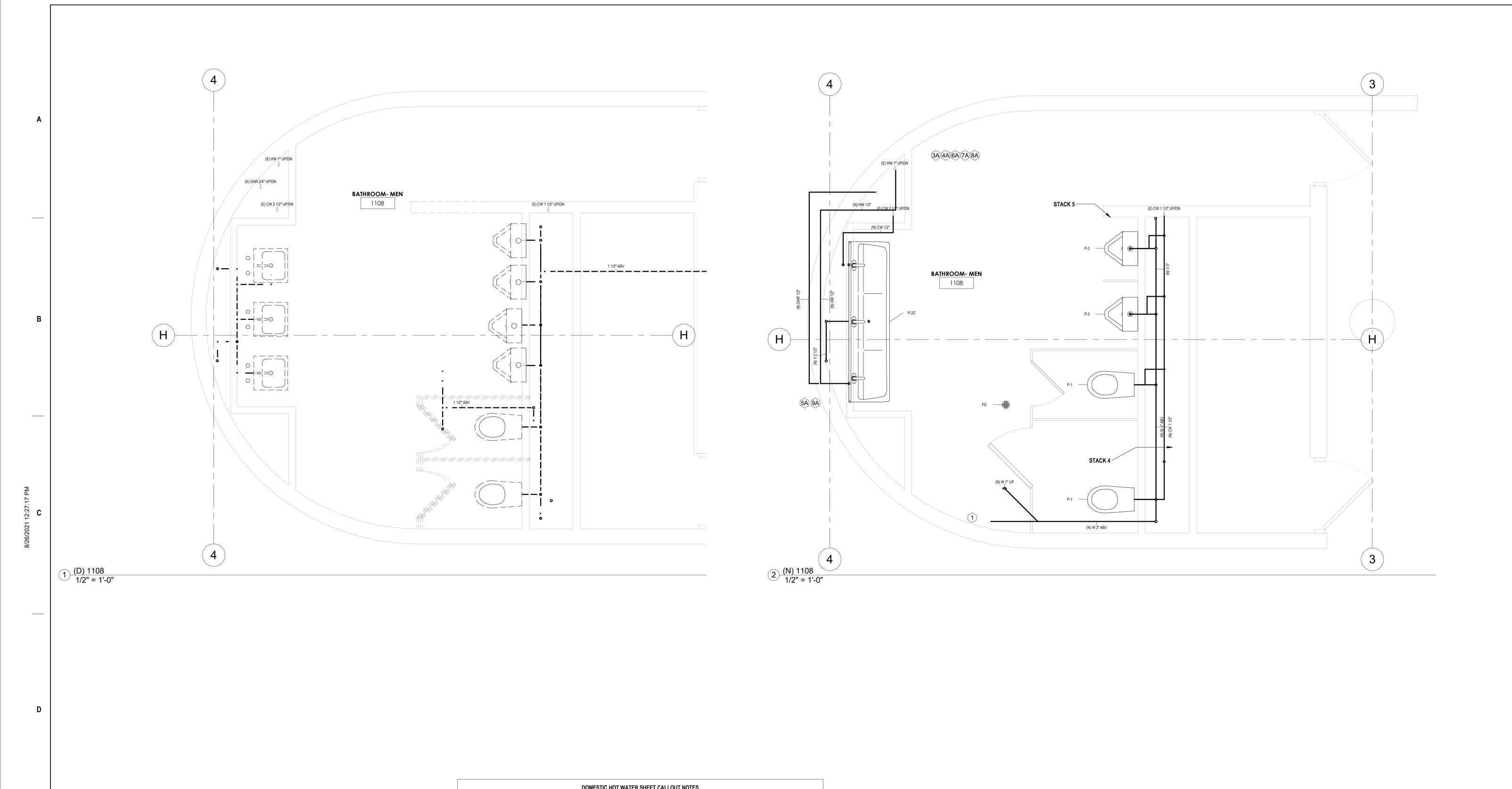
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	AE	Project Title: DA RESTROOM UPGRA	ADES	Project Number 1976
A CITY	Location: 400 EAST AVE WARWICK, RI 02886		Drawing Scale 1/2" = 1'-0"	
A. G. E.	Drawing Title: FIRST FLOOR CALLOUT			Drawing Number P2.01B
	Issue Date:	Approved By:	Drawn By:	Checked By:
	08JAN21	AG	AGE	AG





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DEMO CALLOUT NOTES

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Revision #1- REBID	23AUG21
ISSUED FOR CONSTRUCTION	08JAN21

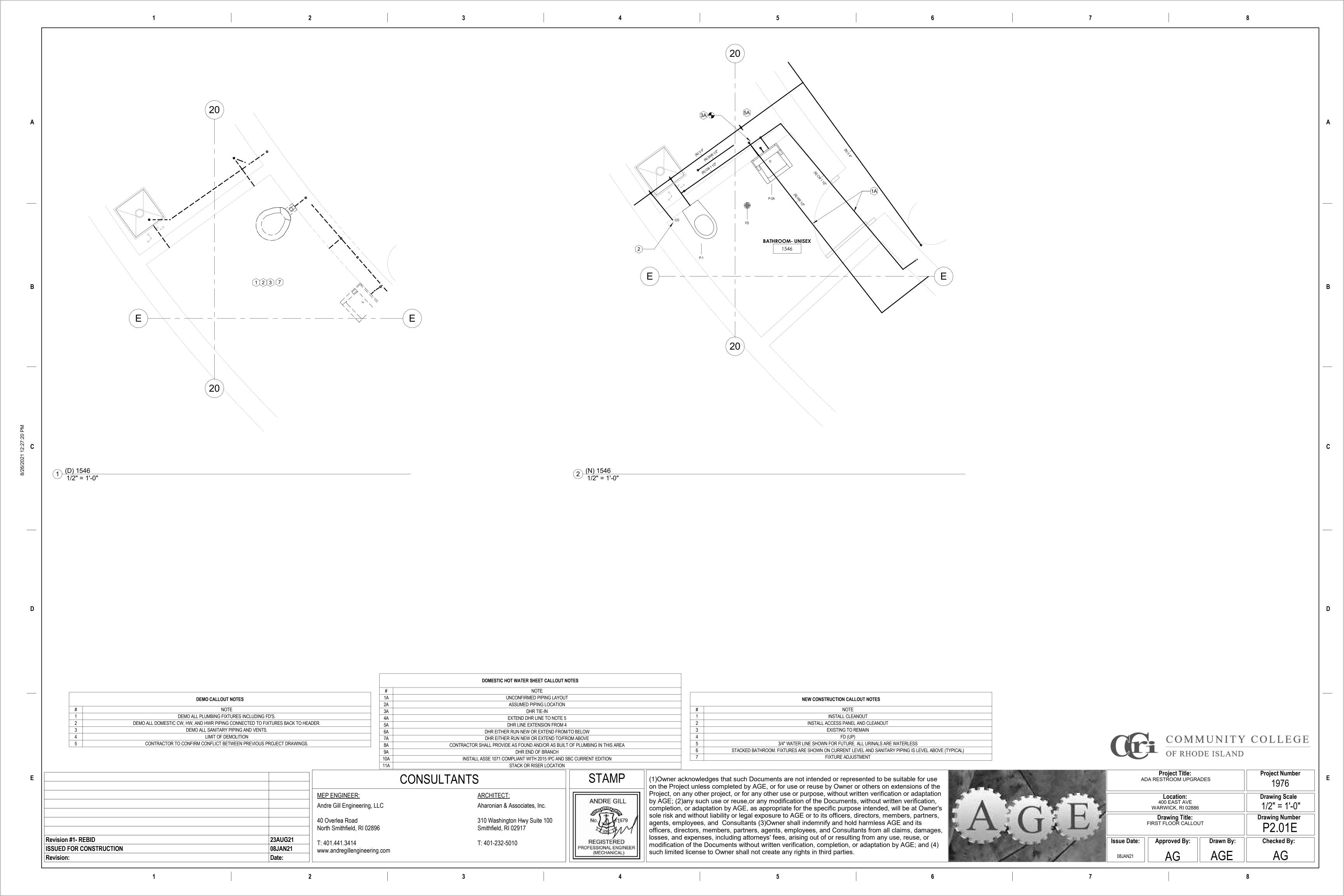
CONSULTANTS		
MEP ENGINEER:	ARCHITECT:	
Andre Gill Engineering, LLC	Aharonian & Associates, Inc.	
40 Overlea Road North Smithfield, RI 02896	310 Washington Hwy Suite 100 Smithfield, RI 02917	
T: 401.441.3414 www.andregillengineering.com	T: 401-232-5010	

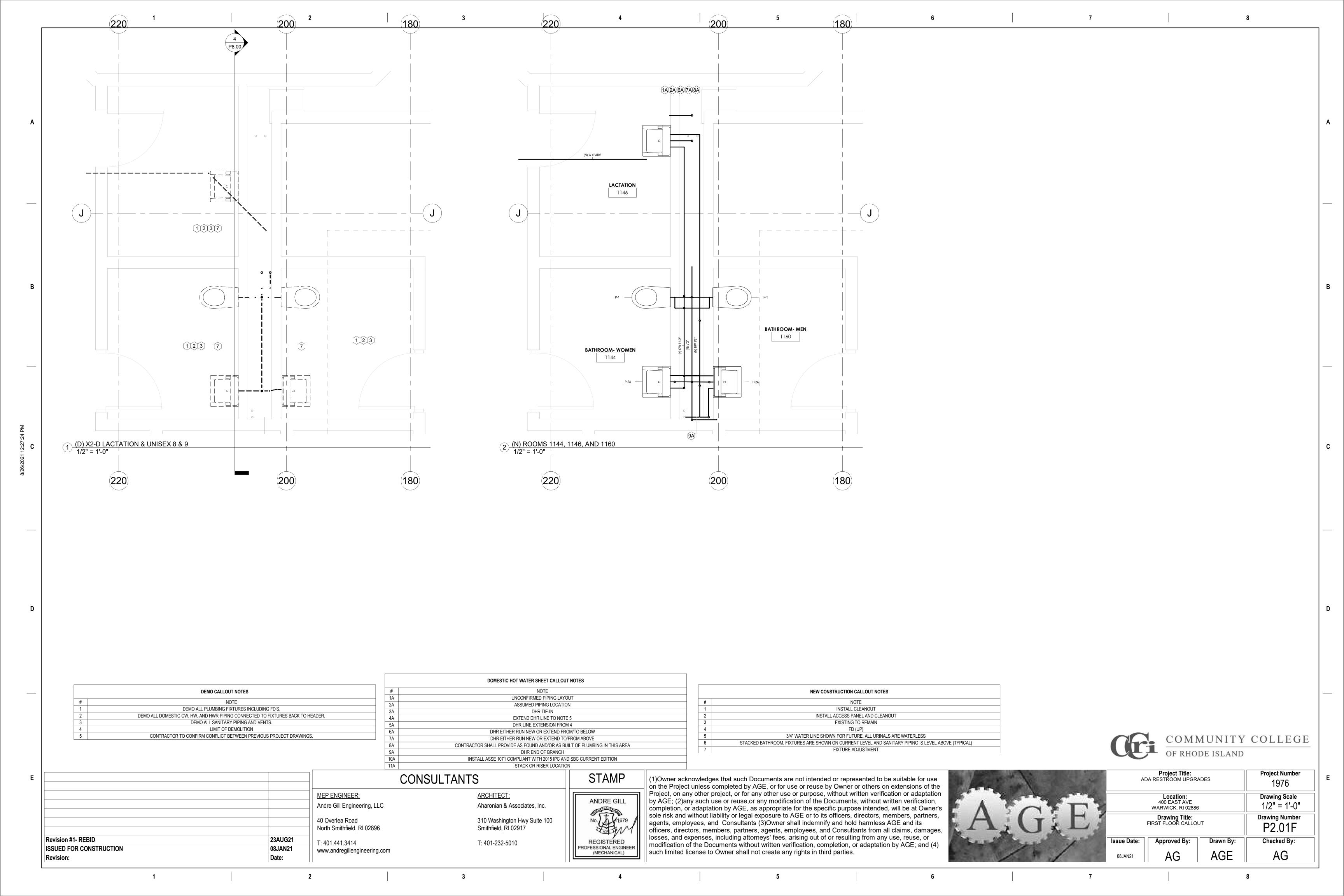
STAMP	(1)Owner on the Pro
ANDRE GILL No. 1679 REGISTERED PROFESSIONAL ENGINEER (MECHANICAL)	Project, of by AGE; (completion sole risk and agents, endificers, dolosses, are modifications such limiters.

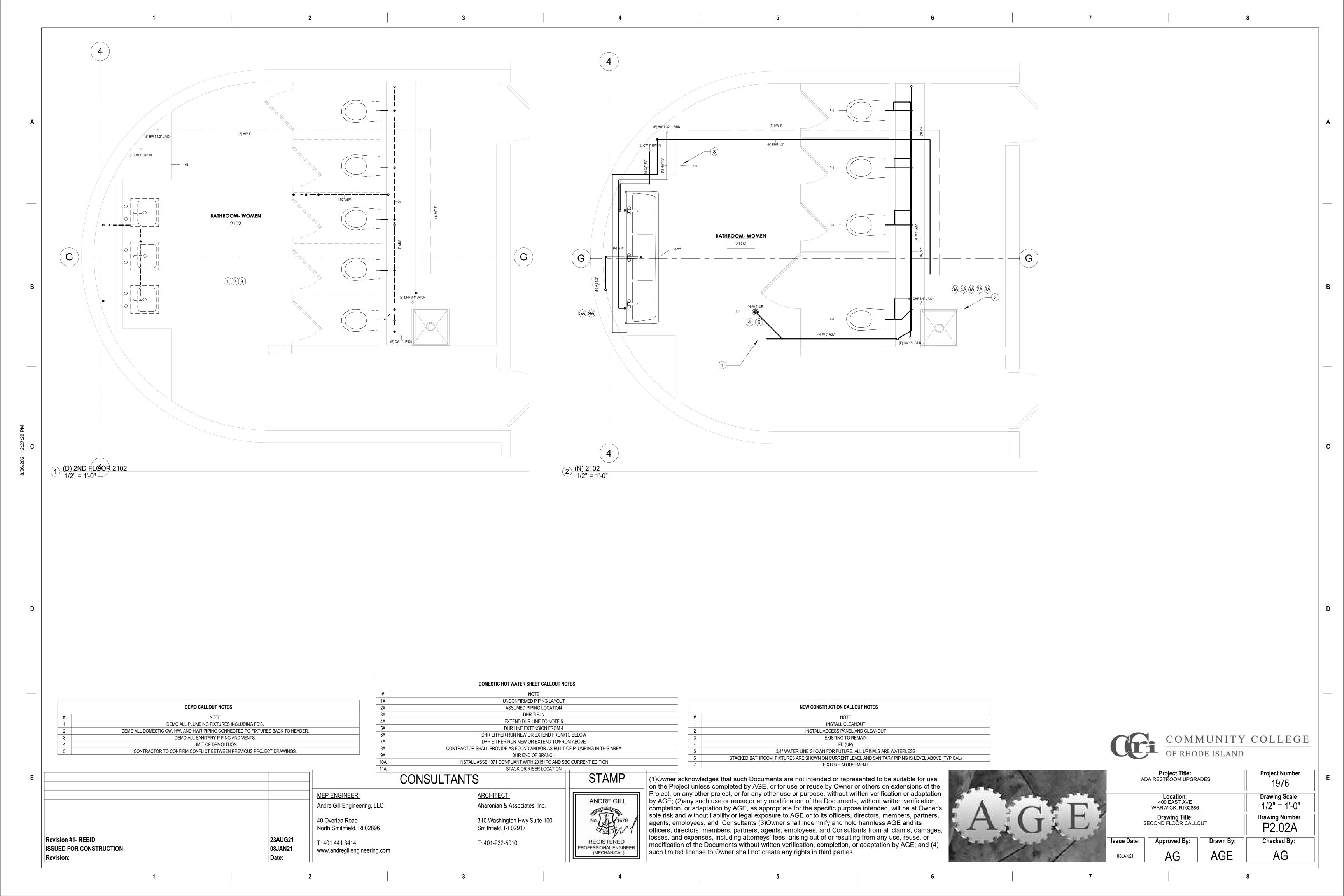
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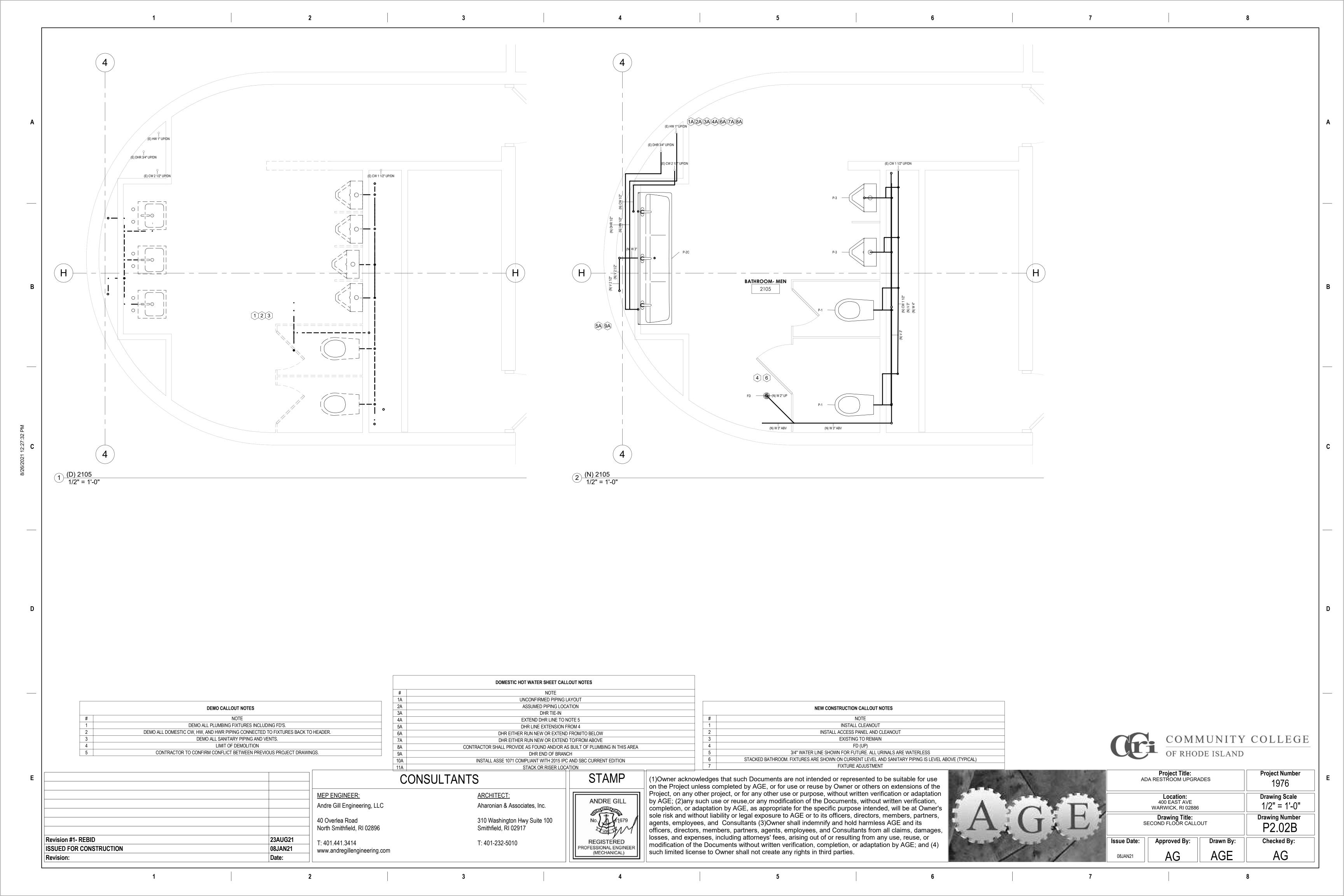
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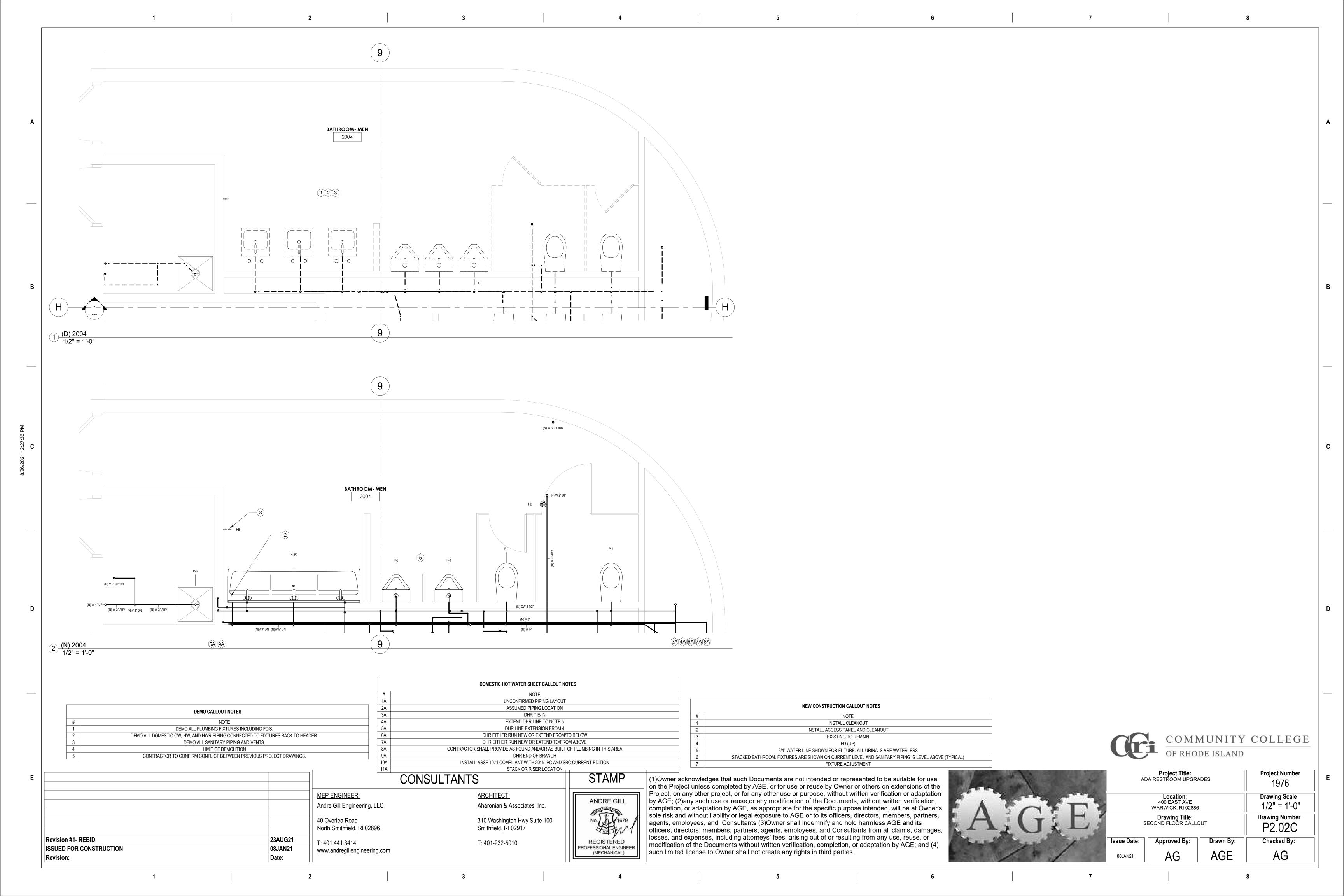
Αſ	Project Title: DA RESTROOM UPGRA	Project Number 1976	
	Location: 400 EAST AVE WARWICK, RI 02886	Drawing Scale 1/2" = 1'-0"	
	Drawing Title: FIRST FLOOR CALLOU	Drawing Number P2.01D	
Issue Date:	Approved By:	Checked By:	
08JAN21	AG	AGE	AG

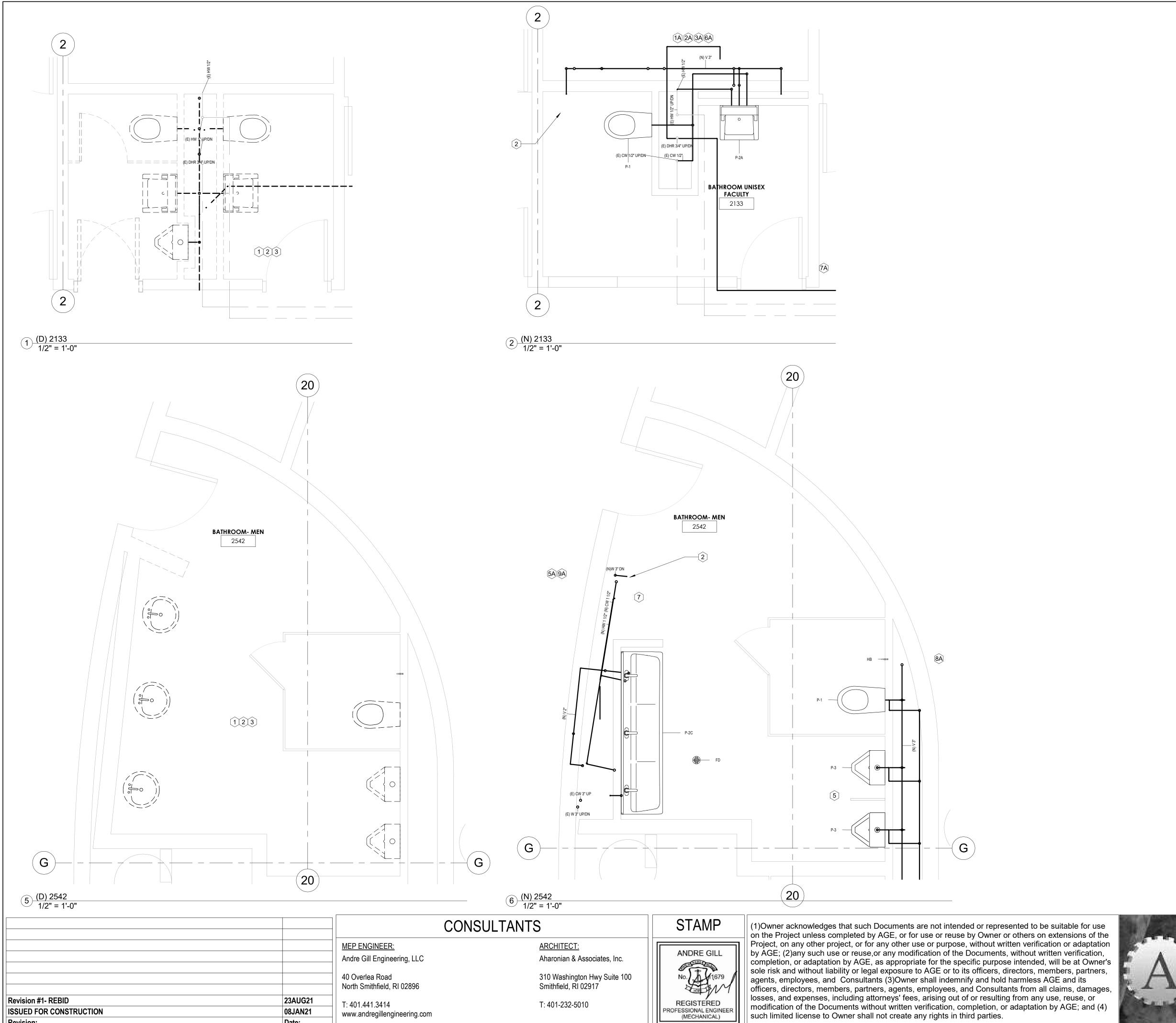












NOTE

INSTALL CLEANOUT

INSTALL ACCESS PANEL AND CLEANOUT

INSTALL ACCESS PANEL AND CLEANOUT

EXISTING TO REMAIN

FD (UP)

3 FU (UP)

5 3/4" WATER LINE SHOWN FOR FUTURE. ALL URINALS ARE WATERLESS

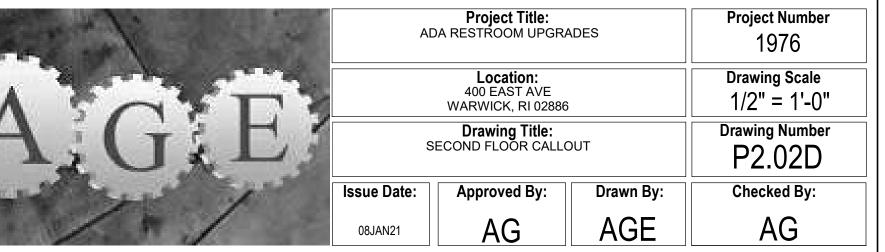
6 STACKED BATHROOM. FIXTURES ARE SHOWN ON CURRENT LEVEL AND SANITARY PIPING IS LEVEL ABOVE (TYPICAL)

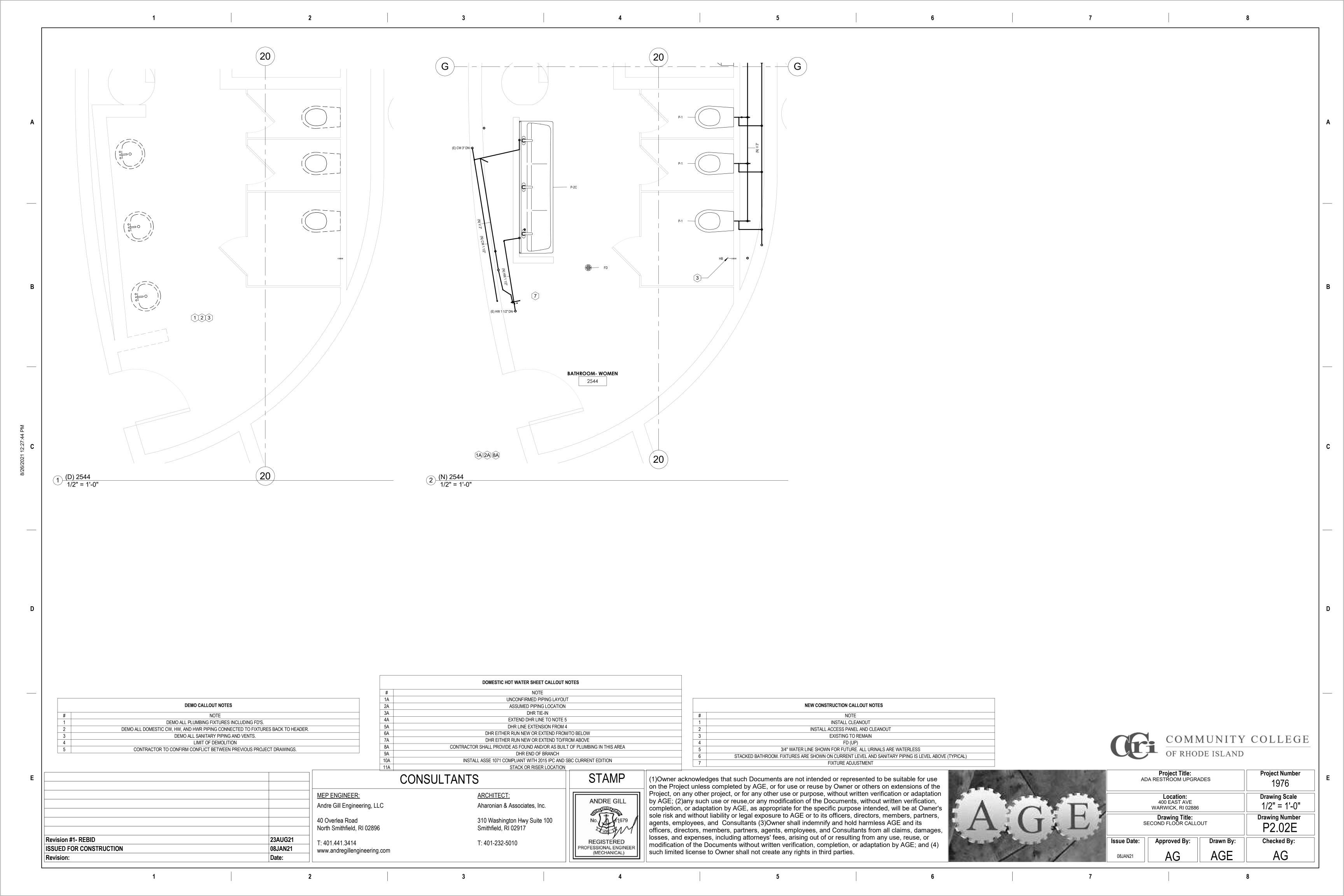
FIXTURE ADJUSTMENT

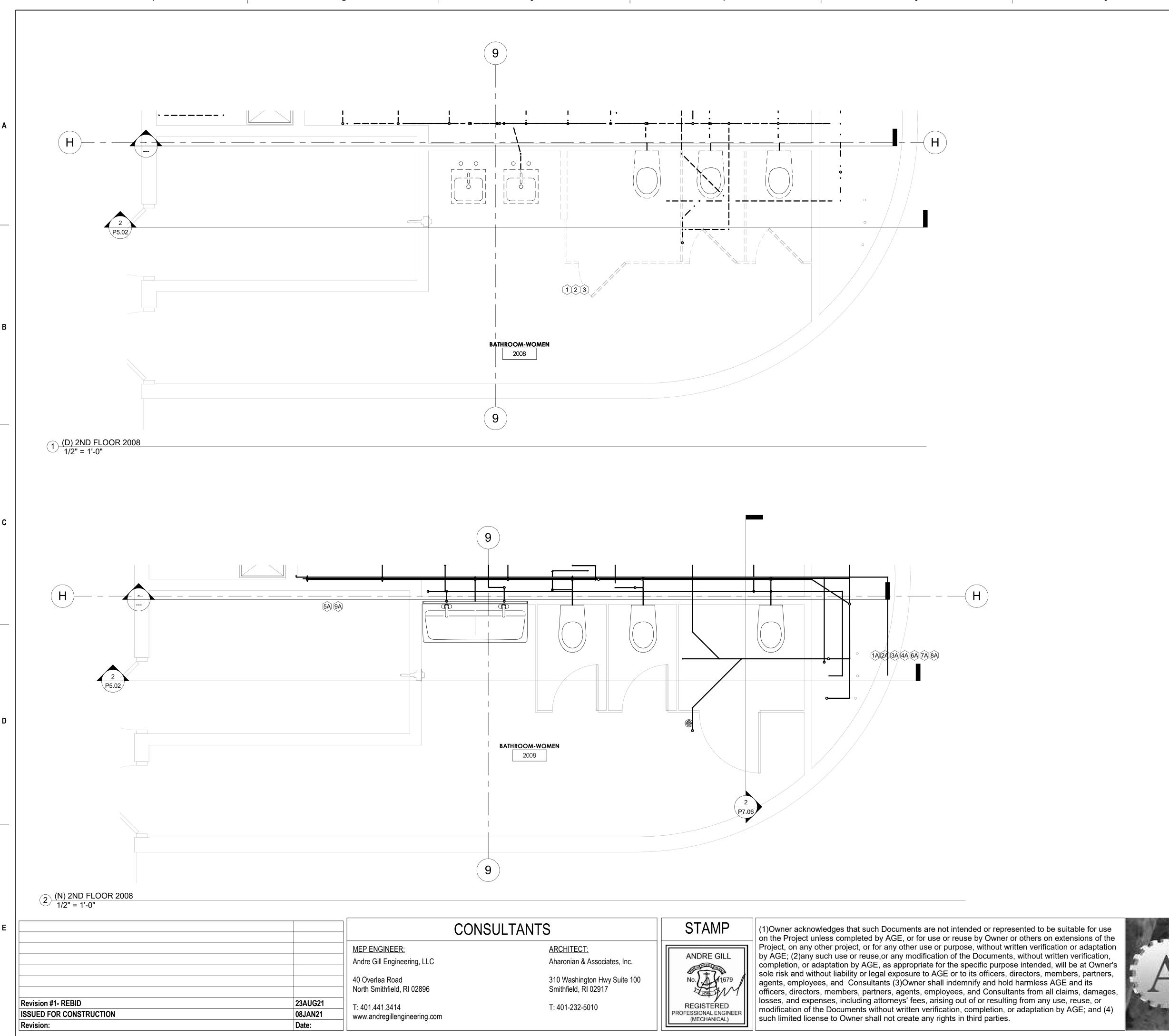
	DOMESTIC HOT WATER SHEET CALLOUT NOTES	
#	NOTE	
1A	UNCONFIRMED PIPING LAYOUT	
2A	ASSUMED PIPING LOCATION	
3A	DHR TIE-IN	
4A	EXTEND DHR LINE TO NOTE 5	
5A	DHR LINE EXTENSION FROM 4	
6A	DHR EITHER RUN NEW OR EXTEND FROM/TO BELOW	
7A	DHR EITHER RUN NEW OR EXTEND TO/FROM ABOVE	
8A	CONTRACTOR SHALL PROVIDE AS FOUND AND/OR AS BUILT OF PLUMBING IN THIS AREA	
9A	DHR END OF BRANCH	
10A	INSTALL ASSE 1071 COMPLIANT WITH 2015 IPC AND SBC CURRENT EDITION	
11A	STACK OR RISER LOCATION	

DEMO CALLOUT NOTES
NOTE
DEMO ALL PLUMBING FIXTURES INCLUDING FD'S.
DEMO ALL DOMESTIC CW, HW, AND HWR PIPING CONNECTED TO FIXTURES BACK TO HEADER.
DEMO ALL SANITARY PIPING AND VENTS.
LIMIT OF DEMOLITION
CONTRACTOR TO CONFIRM CONFLICT BETWEEN PREVIOUS PROJECT DRAWINGS.









NOTE

1A UNCONFIRMED PIPING LAYOUT

2A ASSUMED PIPING LOCATION

3A DHR TIE-IN

4A EXTEND DHR LINE TO NOTE 5

5A DHR LINE EXTENSION FROM 4

6A DHR EITHER RUN NEW OR EXTEND FROM/TO BELOW

7A DHR EITHER RUN NEW OR EXTEND TO/FROM ABOVE

8A CONTRACTOR SHALL PROVIDE AS FOUND AND/OR AS BUILT OF PLUMBING IN THIS AREA

9A DHR END OF BRANCH

10A INSTALL ASSE 1071 COMPLIANT WITH 2015 IPC AND SBC CURRENT EDITION

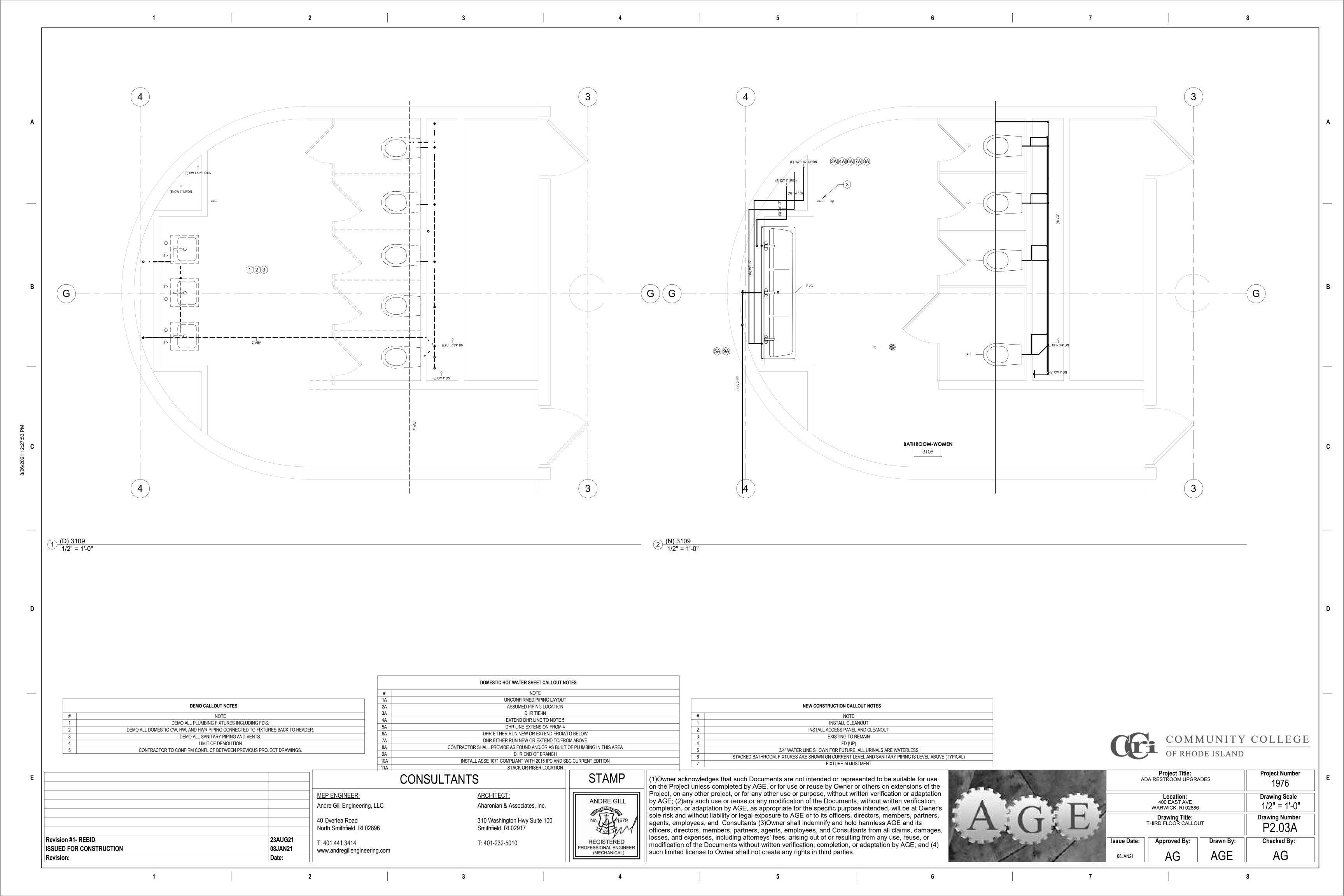
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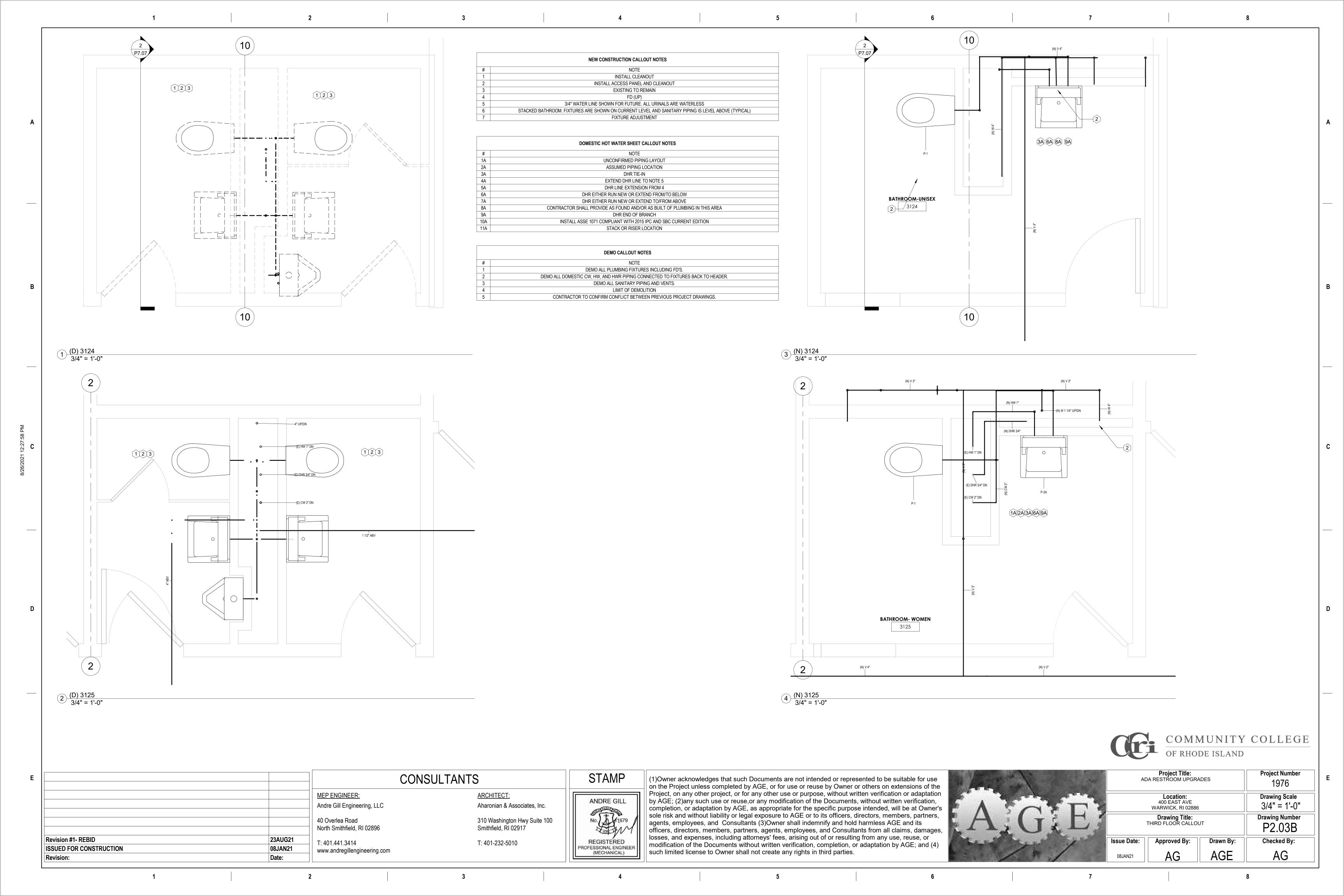
	DEMO CALLOUT NOTES
#	NOTE
1	DEMO ALL PLUMBING FIXTURES INCLUDING FD'S.
2	DEMO ALL DOMESTIC CW, HW, AND HWR PIPING CONNECTED TO FIXTURES BACK TO HEADER.
3	DEMO ALL SANITARY PIPING AND VENTS.
4	LIMIT OF DEMOLITION
5	CONTRACTOR TO CONFIRM CONFLICT BETWEEN PREVIOUS PROJECT DRAWINGS.

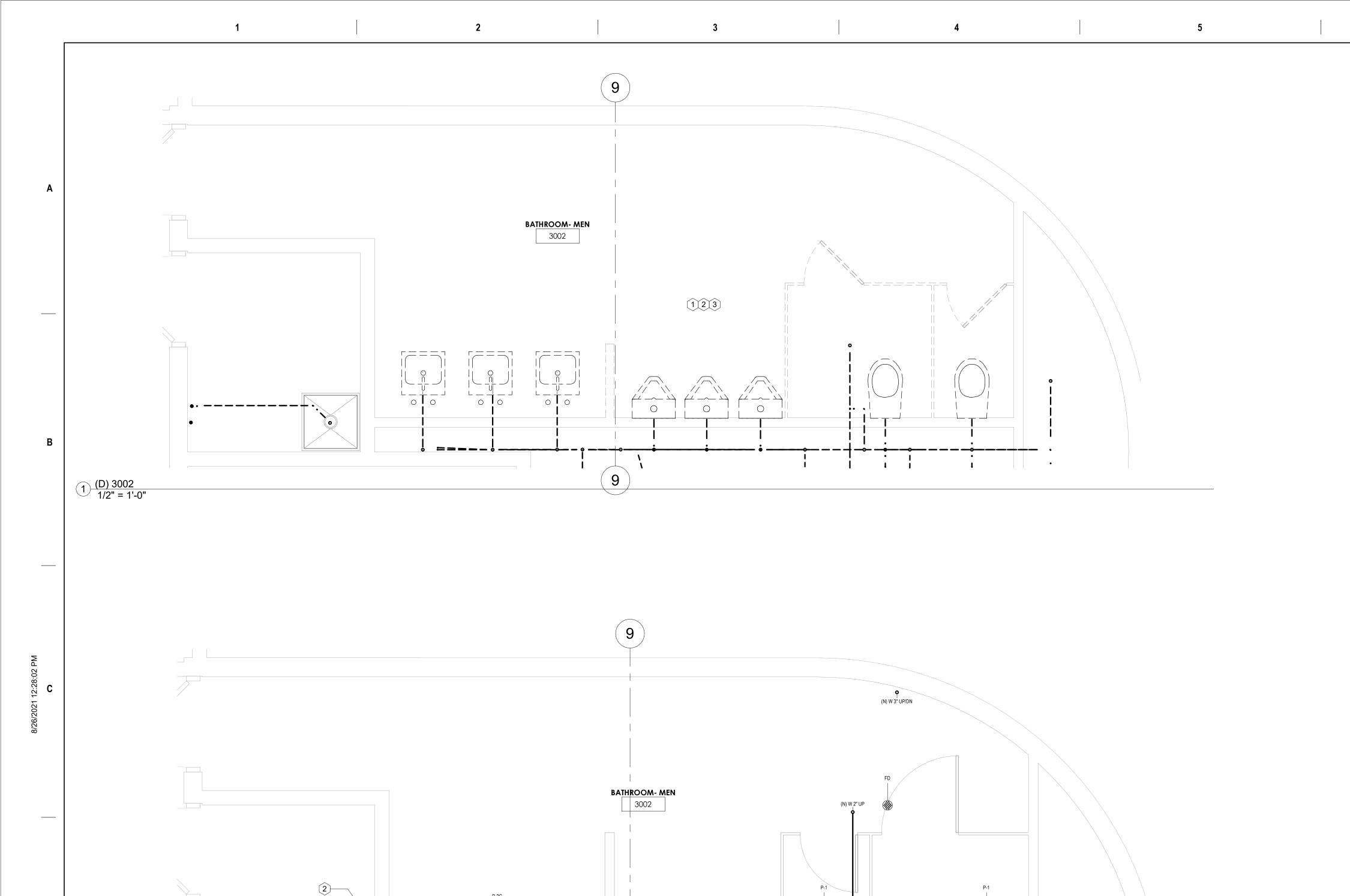
	NEW CONSTRUCTION CALLOUT NOTES					
#	NOTE					
1	INSTALL CLEANOUT					
2	INSTALL ACCESS PANEL AND CLEANOUT					
3	EXISTING TO REMAIN					
4	FD (UP)					
5	3/4" WATER LINE SHOWN FOR FUTURE. ALL URINALS ARE WATERLESS					
6	STACKED BATHROOM. FIXTURES ARE SHOWN ON CURRENT LEVEL AND SANITARY PIPING IS LEVEL ABOVE (TYPICAL)					
7	FIXTURE ADJUSTMENT					



	AE	Project Title: DA RESTROOM UPGRA	ADES	Project Number 1976
		Location: 400 EAST AVE WARWICK, RI 02886		Drawing Scale 1/2" = 1'-0"
A. G. E.	S	Drawing Title: ECOND FLOOR CALLO	DUT	Drawing Number P2.02F
and the same of th	Issue Date:	Approved By:	Drawn By:	Checked By:
W / W /	08JAN21	AG	AGE	AG







NEW CONSTRUCTION CALLOUT NOTES				
#	NOTE			
1	INSTALL CLEANOUT			
2	INSTALL ACCESS PANEL AND CLEANOUT			
3	EXISTING TO REMAIN			
4	FD (UP)			
5	3/4" WATER LINE SHOWN FOR FUTURE. ALL URINALS ARE WATERLESS			
6	STACKED BATHROOM. FIXTURES ARE SHOWN ON CURRENT LEVEL AND SANITARY PIPING IS LEVEL ABOVE (TYPICAL)			
7	FIXTURE ADJUSTMENT			

	DOMESTIC HOT WATER SHEET CALLOUT NOTES				
#	NOTE				
1A	UNCONFIRMED PIPING LAYOUT				
2A	ASSUMED PIPING LOCATION				
3A	DHR TIE-IN				
4A	EXTEND DHR LINE TO NOTE 5				
5A	DHR LINE EXTENSION FROM 4				
6A	DHR EITHER RUN NEW OR EXTEND FROM/TO BELOW				
7A	DHR EITHER RUN NEW OR EXTEND TO/FROM ABOVE				
8A	CONTRACTOR SHALL PROVIDE AS FOUND AND/OR AS BUILT OF PLUMBING IN THIS AREA				
9A	DHR END OF BRANCH				
10A	INSTALL ASSE 1071 COMPLIANT WITH 2015 IPC AND SBC CURRENT EDITION				
11Δ	STACK OR RISER LOCATION				

	DEMO CALLOUT NOTES
#	NOTE
1	DEMO ALL PLUMBING FIXTURES INCLUDING FD'S.
2	DEMO ALL DOMESTIC CW, HW, AND HWR PIPING CONNECTED TO FIXTURES BACK TO HEADER.
3	DEMO ALL SANITARY PIPING AND VENTS.
4	LIMIT OF DEMOLITION
5	CONTRACTOR TO CONFIRM CONFLICT RETWEEN PREVIOUS PROJECT DRAWINGS





AD	Project Title: DA RESTROOM UPGRA	Project Number 1976	
	Location: 400 EAST AVE WARWICK, RI 02886	Drawing Scale 1/2" = 1'-0"	
	Drawing Title: THIRD FLOOR CALLO	Drawing Number P2.03C	
ssue Date:	Approved By:	Drawn By:	Checked By:
08JAN21	AG	AGE	AG

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		CONS	ULTANTS
		MEP ENGINEER:	ARCHITECT:
		Andre Gill Engineering, LLC	Aharonian & Associates, Inc.
		40 Overlea Road North Smithfield, RI 02896	310 Washington Hwy Suite 100 Smithfield, RI 02917
Revision #1- REBID	23AUG21	T· 401 441 3414	T· 401-232-5010
ISSUED FOR CONSTRUCTION	08JAN21	www.andregillengineering.com	1. 401 202 0010
		T: 401.441.3414 www.andregillengineering.com	T: 401-232-5010

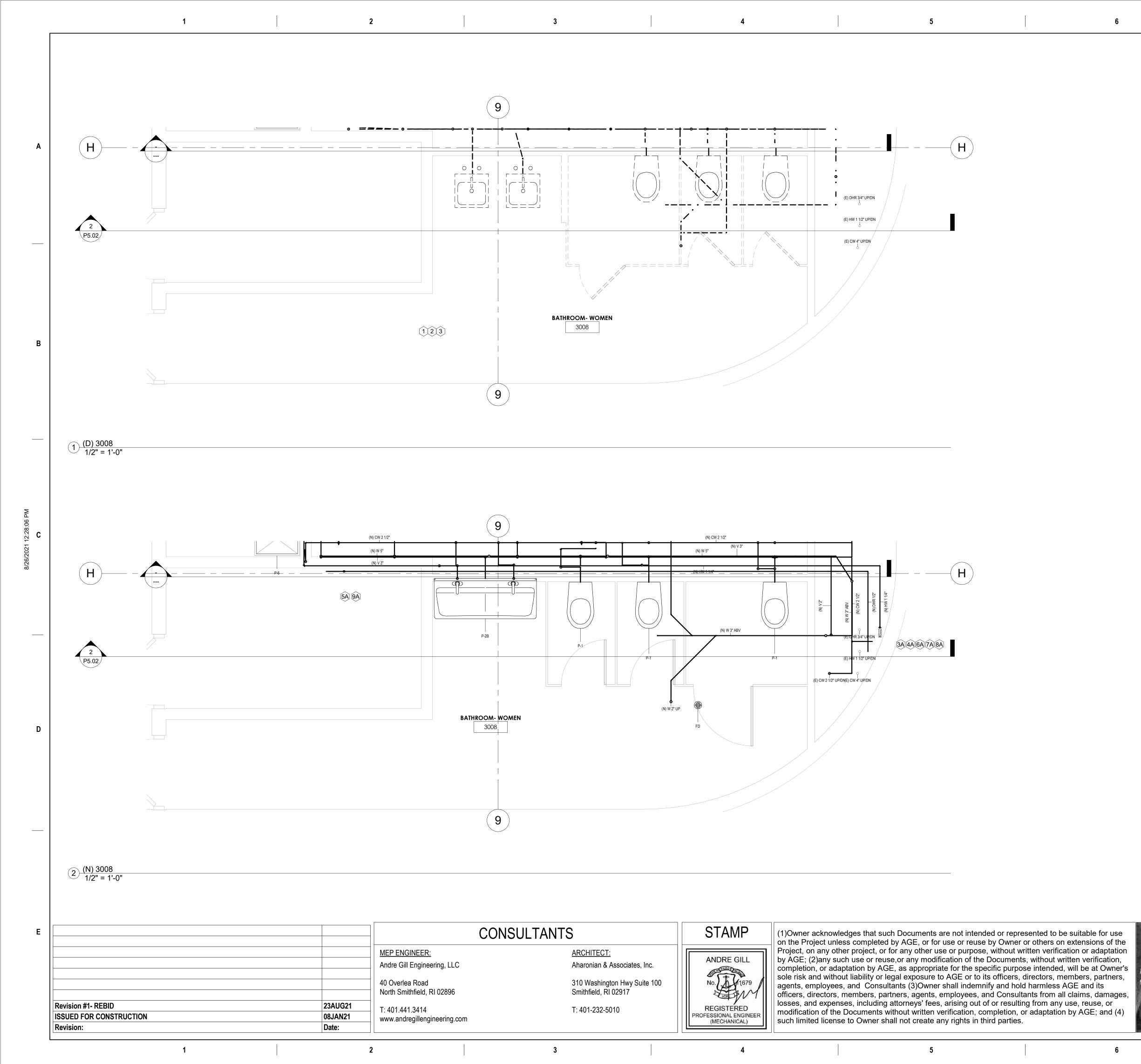
(N) W 4" UP (N) W 3" ABV (N) W 3" ABV

(N) V 2" UP

2) (N) 3002 1/2" = 1'-0"

STAMP ANDRE GILL PROFESSIONAL ENGINEER (MECHANICAL)

1A 2A 3A 4A 6A 7A 8A



NOTE

INSTALL CLEANOUT

INSTALL ACCESS PANEL AND CLEANOUT

EXISTING TO REMAIN

FD (UP)

3 3/4" WATER LINE SHOWN FOR FUTURE. ALL URINALS ARE WATERLESS

6 STACKED BATHROOM. FIXTURES ARE SHOWN ON CURRENT LEVEL AND SANITARY PIPING IS LEVEL ABOVE (TYPICAL)

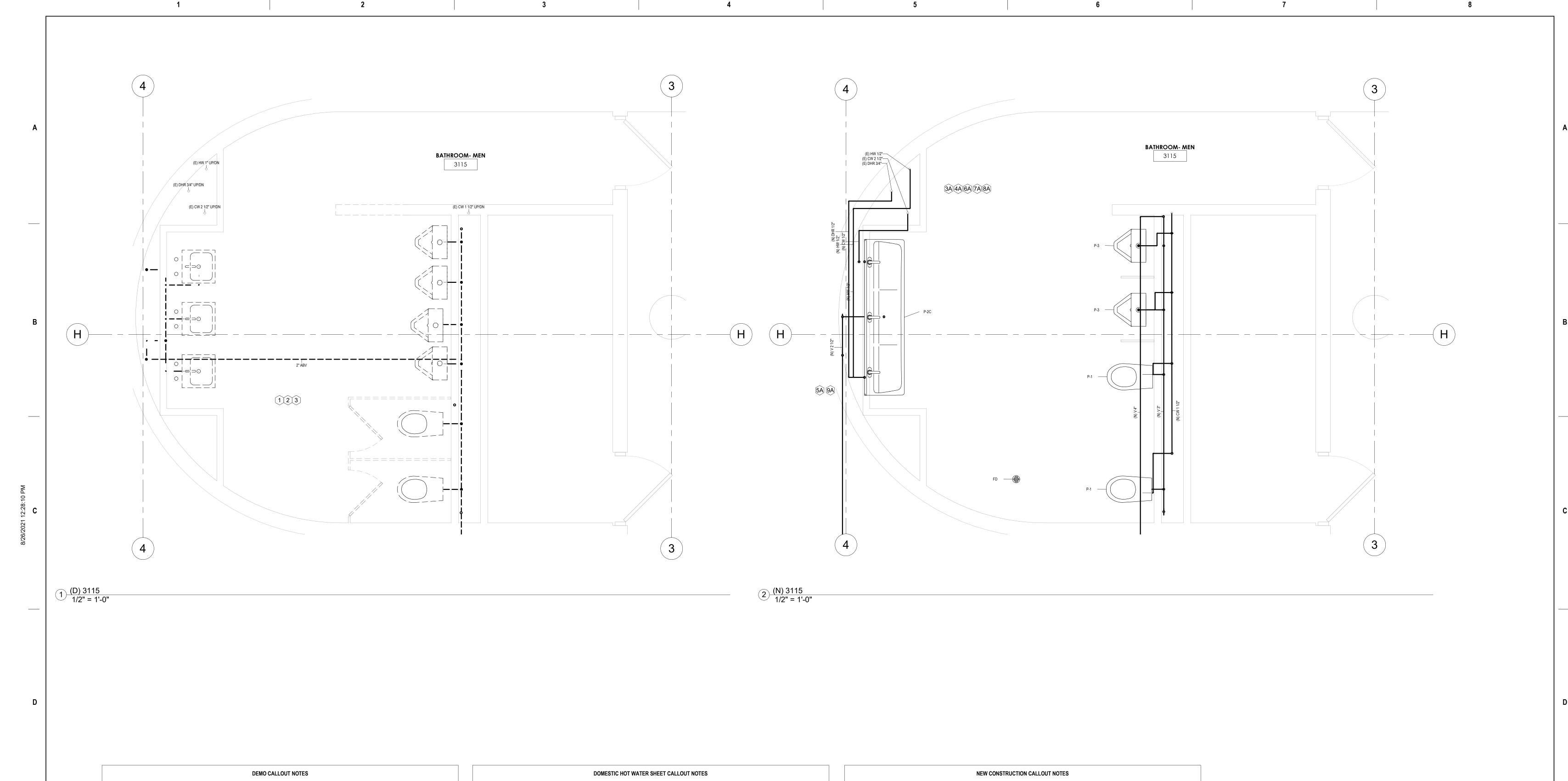
FIXTURE ADJUSTMENT

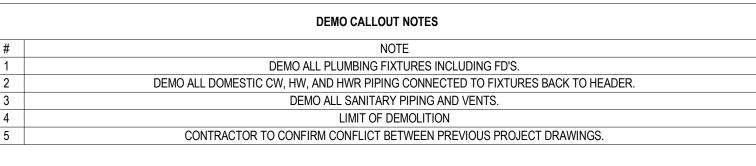
DOMESTIC HOT WATER SHEET CALLOUT NOTES				
#	NOTE			
1A	UNCONFIRMED PIPING LAYOUT			
2A	ASSUMED PIPING LOCATION			
3A	DHR TIE-IN			
4A	EXTEND DHR LINE TO NOTE 5			
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6A	DHR EITHER RUN NEW OR EXTEND FROM/TO BELOW			
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8A	CONTRACTOR SHALL PROVIDE AS FOUND AND/OR AS BUILT OF PLUMBING IN THIS AREA			
9A	DHR END OF BRANCH			
10A	INSTALL ASSE 1071 COMPLIANT WITH 2015 IPC AND SBC CURRENT EDITION			
11A	STACK OR RISER LOCATION			

	DEMO CALLOUT NOTES
#	NOTE
1	DEMO ALL PLUMBING FIXTURES INCLUDING FD'S.
2	DEMO ALL DOMESTIC CW, HW, AND HWR PIPING CONNECTED TO FIXTURES BACK TO HEADER.
3	DEMO ALL SANITARY PIPING AND VENTS.
4	LIMIT OF DEMOLITION
5	CONTRACTOR TO CONFIRM CONFLICT BETWEEN PREVIOUS PROJECT DRAWINGS.



	Project Title: ADA RESTROOM UPGRADES			Project Number 1976
A		Location: 400 EAST AVE WARWICK, RI 02886		Drawing Scale 1/2" = 1'-0"
A. G. E.	Drawing Title: THIRD FLOOR CALLOUT		P2.03D	
and the same of th	Issue Date:	Approved By:	Drawn By:	Checked By:
1 / 11/	08JAN21	AG	AGE	AG





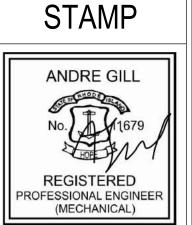
	DOMESTIC HOT WATER SHEET CALLOUT NOTES
#	NOTE
1A	UNCONFIRMED PIPING LAYOUT
2A	ASSUMED PIPING LOCATION
3A	DHR TIE-IN
4A	EXTEND DHR LINE TO NOTE 5
5A	DHR LINE EXTENSION FROM 4
6A	DHR EITHER RUN NEW OR EXTEND FROM/TO BELOW
7A	DHR EITHER RUN NEW OR EXTEND TO/FROM ABOVE
8A	CONTRACTOR SHALL PROVIDE AS FOUND AND/OR AS BUILT OF PLUMBING IN THIS AREA
9A	DHR END OF BRANCH
10A	INSTALL ASSE 1071 COMPLIANT WITH 2015 IPC AND SBC CURRENT EDITION
11A	STACK OR RISER LOCATION

	NEW CONSTRUCTION CALLOUT NOTES
#	NOTE
1	INSTALL CLEANOUT
2	INSTALL ACCESS PANEL AND CLEANOUT
3	EXISTING TO REMAIN
4	FD (UP)
5	3/4" WATER LINE SHOWN FOR FUTURE. ALL URINALS ARE WATERLESS
6	STACKED BATHROOM. FIXTURES ARE SHOWN ON CURRENT LEVEL AND SANITARY PIPING IS LEVEL ABOVE (TYPICAL)
7	FIXTURE ADJUSTMENT



		NGINEER:
	40 Ove	Gill Engineering, LLC
Revision #1- REBID	23AUG24	Smithfield, RI 02896 441.3414
ISSUED FOR CONSTRUCTION		ndregillengineering.com

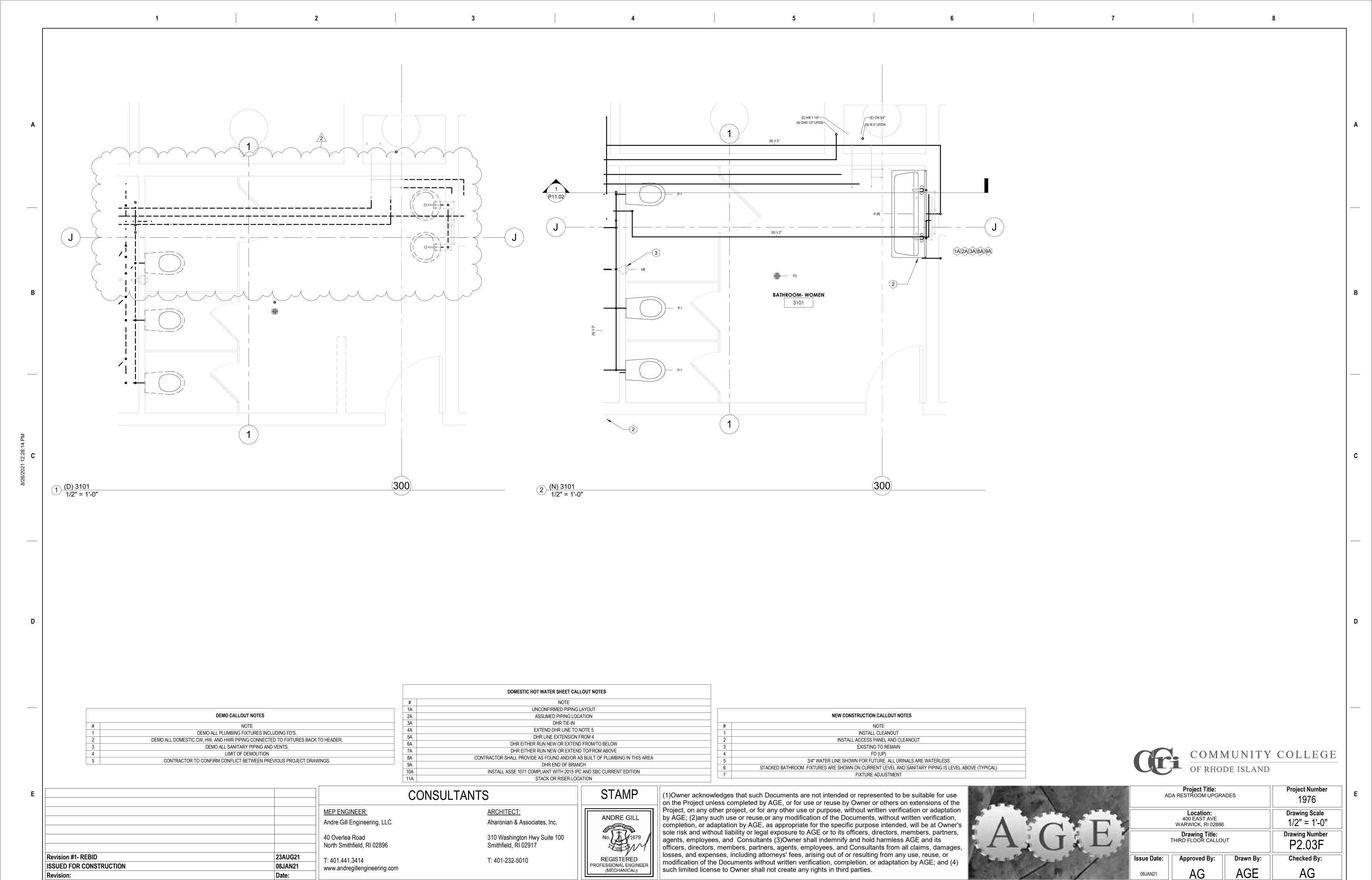
CONSULTANTS MEP ENGINEER: ARCHITECT: Aharonian & Associates, Inc. Andre Gill Engineering, LLC 310 Washington Hwy Suite 100 Smithfield, RI 02917 40 Overlea Road North Smithfield, RI 02896 T: 401.441.3414 T: 401-232-5010

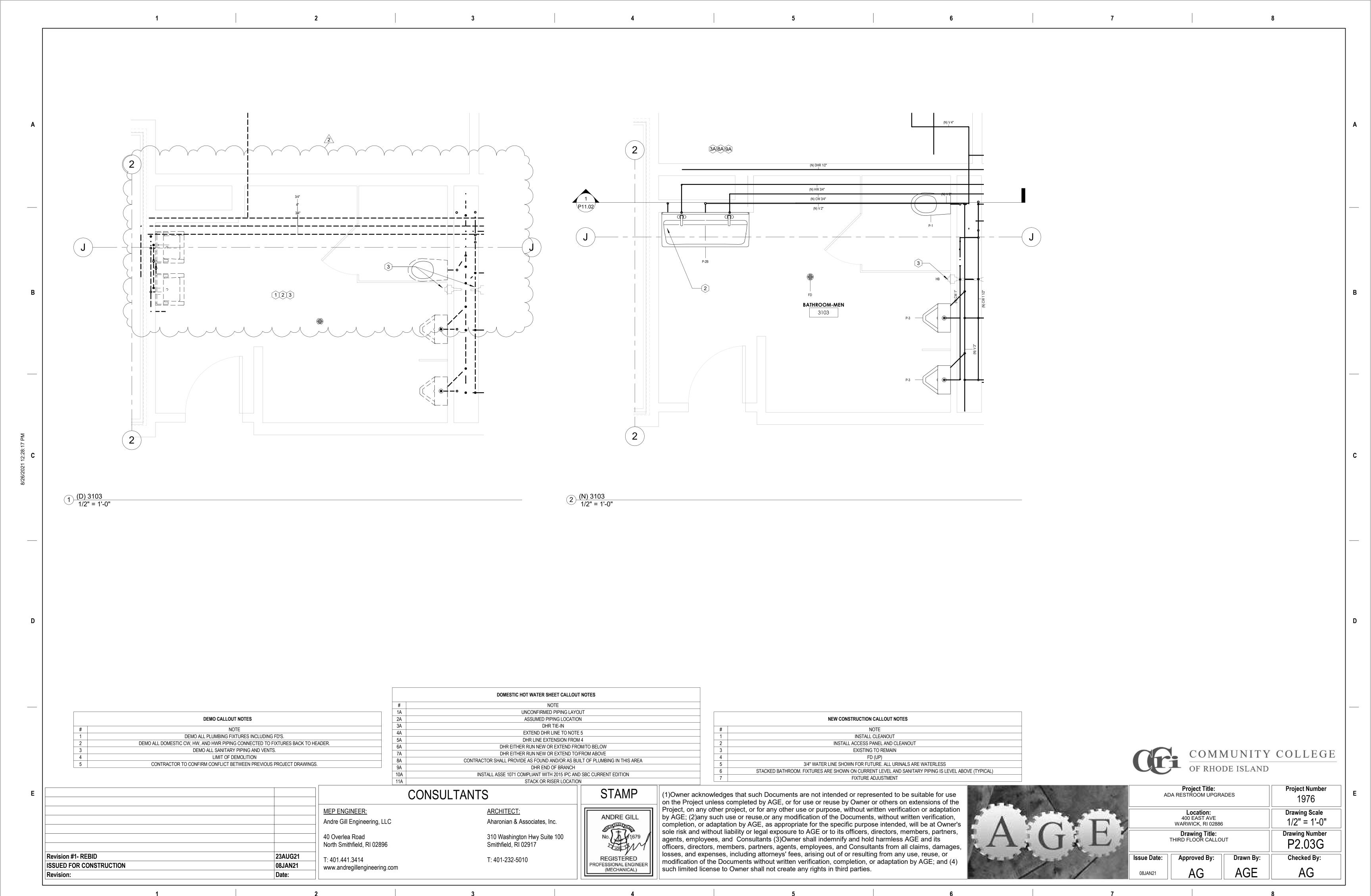


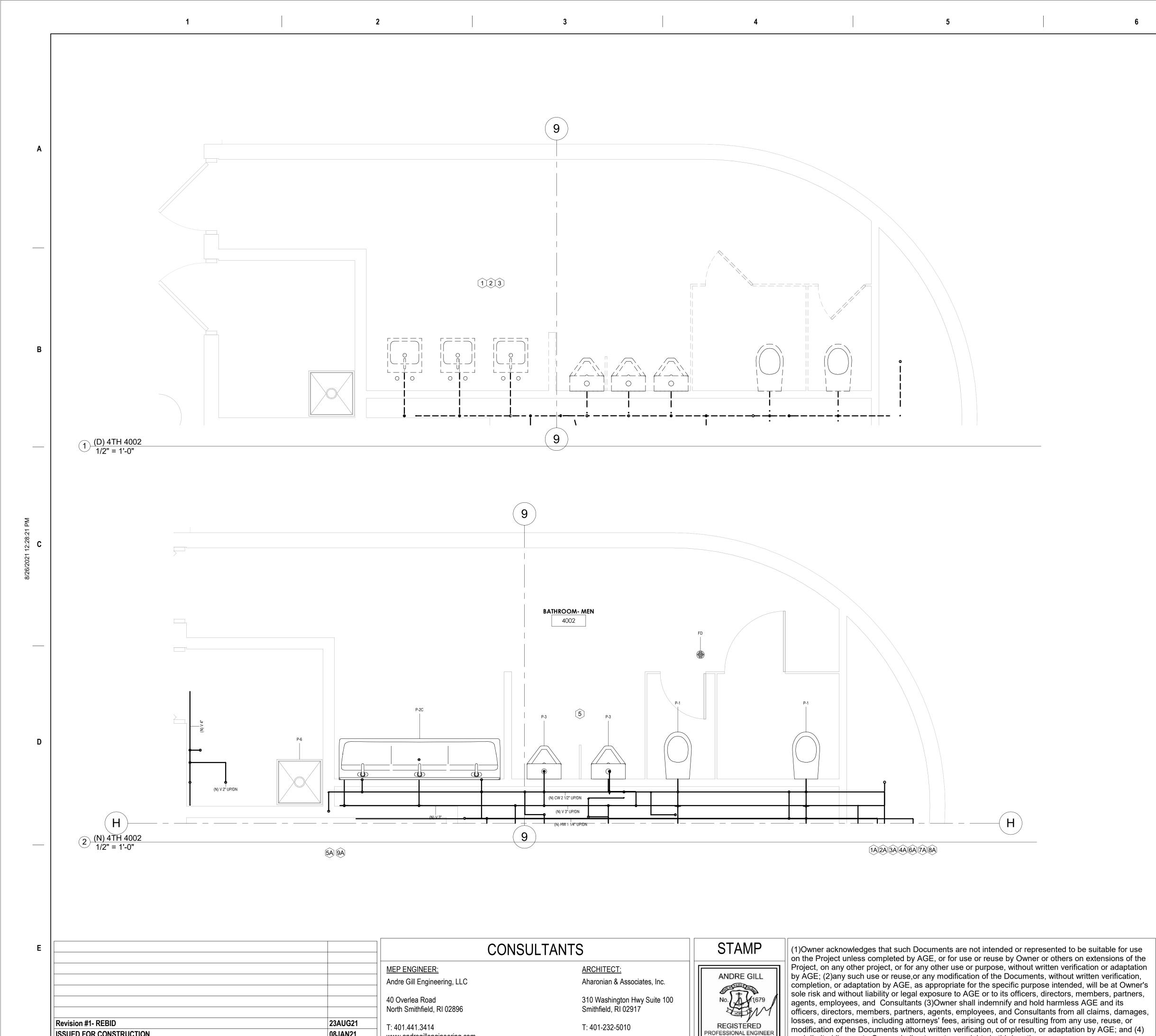
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1 0 1	 08JAN2

ΑC	Project Title: DA RESTROOM UPGRA	Project Number 1976	
	Location: 400 EAST AVE WARWICK, RI 02886	Drawing Scale 1/2" = 1'-0"	
	Drawing Title: THIRD FLOOR CALLOU	Drawing Number P2.03E	
Issue Date:	Approved By:	Drawn By:	Checked By:
08JAN21	AG	AGE	AG







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such limited license to Owner shall not create any rights in third parties.

	NEW CONSTRUCTION CALLOUT NOTES			
#	NOTE			
1	INSTALL CLEANOUT			
2	INSTALL ACCESS PANEL AND CLEANOUT			
3	EXISTING TO REMAIN			
4	FD (UP)			
5	3/4" WATER LINE SHOWN FOR FUTURE. ALL URINALS ARE WATERLESS			
6	STACKED BATHROOM. FIXTURES ARE SHOWN ON CURRENT LEVEL AND SANITARY PIPING IS LEVEL ABOVE (TYPICAL)			
7	FIXTURE ADJUSTMENT			

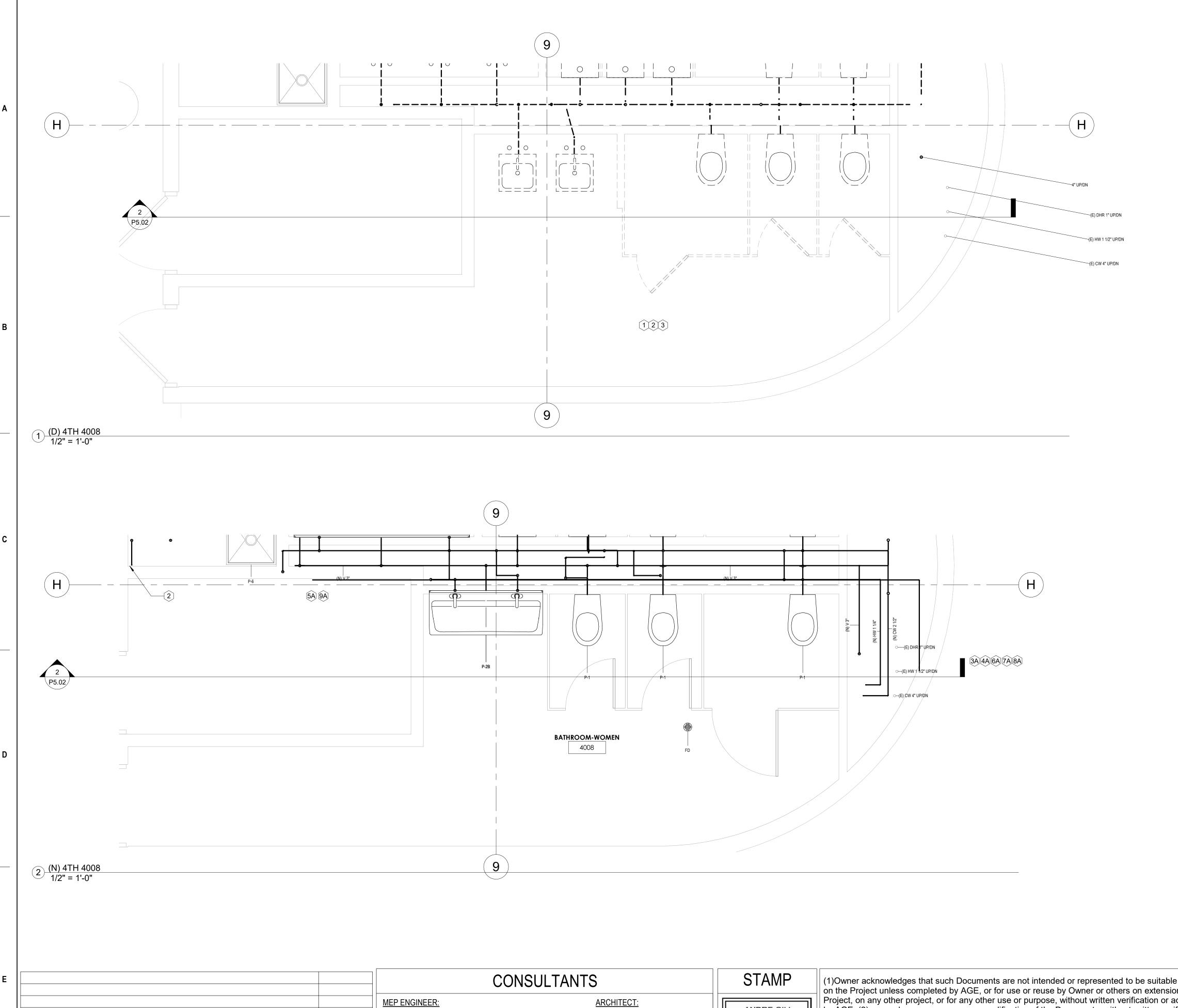
	DOMESTIC HOT WATER SHEET CALLOUT NOTES
#	NOTE
1A	UNCONFIRMED PIPING LAYOUT
2A	ASSUMED PIPING LOCATION
3A	DHR TIE-IN
4A	EXTEND DHR LINE TO NOTE 5
5A	DHR LINE EXTENSION FROM 4
6A	DHR EITHER RUN NEW OR EXTEND FROM/TO BELOW
7A	DHR EITHER RUN NEW OR EXTEND TO/FROM ABOVE
8A	CONTRACTOR SHALL PROVIDE AS FOUND AND/OR AS BUILT OF PLUMBING IN THIS AREA
9A	DHR END OF BRANCH
10A	INSTALL ASSE 1071 COMPLIANT WITH 2015 IPC AND SBC CURRENT EDITION
11A	STACK OR RISER LOCATION
	DEMO CALLOUT NOTES
#	NOTE
1	DEMO ALL PLUMBING FIXTURES INCLUDING FD'S.
2	DEMO ALL DOMESTIC CW, HW, AND HWR PIPING CONNECTED TO FIXTURES BACK TO HEADER.

DEMO ALL SANITARY PIPING AND VENTS. LIMIT OF DEMOLITION CONTRACTOR TO CONFIRM CONFLICT BETWEEN PREVIOUS PROJECT DRAWINGS.



	АС	Project Title: A RESTROOM UPGRA	ا،
		Location: 400 EAST AVE WARWICK, RI 02886	_
A. G.E.	F	Drawing Title: OURTH FLOOR CALLO	-) (
	Issue Date:	Approved By:	
W /	08JAN21	AG	

	Project Title: ADA RESTROOM UPGRADES			Project Number 1976	
	Location: 400 EAST AVE WARWICK, RI 02886			Drawing Scale 1/2" = 1'-0"	
A. G. E.	Drawing Title: FOURTH FLOOR CALLOUT		Drawing Number P2.04A		
and the same of th	Issue Date:	Approved By:	Drawn By:	Checked By:	
/ 11/	08JAN21	AG	AGE	AG	

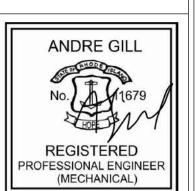


NEW CONSTRUCTION CALLOUT NOTES INSTALL CLEANOUT INSTALL ACCESS PANEL AND CLEANOUT EXISTING TO REMAIN 3/4" WATER LINE SHOWN FOR FUTURE. ALL URINALS ARE WATERLESS STACKED BATHROOM. FIXTURES ARE SHOWN ON CURRENT LEVEL AND SANITARY PIPING IS LEVEL ABOVE (TYPICAL) FIXTURE ADJUSTMENT DOMESTIC HOT WATER SHEET CALLOUT NOTES UNCONFIRMED PIPING LAYOUT ASSUMED PIPING LOCATION DHR TIE-IN

11A	STACK OR RISER LOCATION
	DEMO CALLOUT NOTES
#	NOTE
1	DEMO ALL PLUMBING FIXTURES INCLUDING FD'S.
2	DEMO ALL DOMESTIC CW, HW, AND HWR PIPING CONNECTED TO FIXTURES BACK TO HEADER.
3	DEMO ALL SANITARY PIPING AND VENTS.
4	LIMIT OF DEMOLITION
5	CONTRACTOR TO CONFIRM CONFLICT BETWEEN PREVIOUS PROJECT DRAWINGS.

EXTEND DHR LINE TO NOTE 5 DHR LINE EXTENSION FROM 4 DHR EITHER RUN NEW OR EXTEND FROM/TO BELOW DHR EITHER RUN NEW OR EXTEND TO/FROM ABOVE CONTRACTOR SHALL PROVIDE AS FOUND AND/OR AS BUILT OF PLUMBING IN THIS AREA DHR END OF BRANCH INSTALL ASSE 1071 COMPLIANT WITH 2015 IPC AND SBC CURRENT EDITION

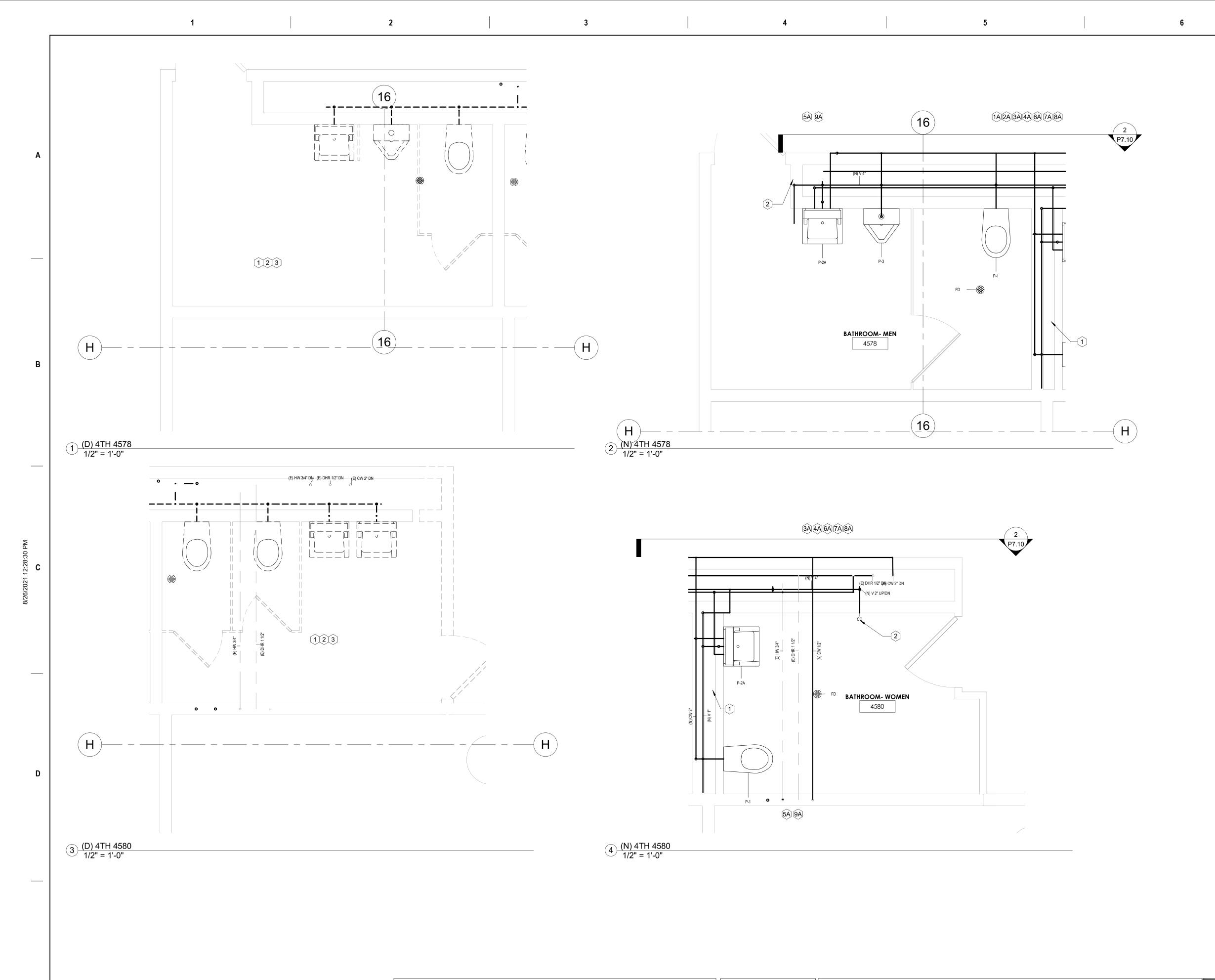
MEP ENGINEER: ANDRE GILL Aharonian & Associates, Inc. Andre Gill Engineering, LLC 310 Washington Hwy Suite 100 Smithfield, RI 02917 40 Overlea Road North Smithfield, RI 02896 23AUG21 Revision #1- REBID REGISTERED T: 401.441.3414 T: 401-232-5010 ISSUED FOR CONSTRUCTION www.andregillengineering.com



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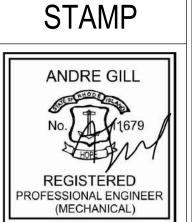
AD	Project Title: PA RESTROOM UPGR	Project Number 1976	
	Location: 400 EAST AVE WARWICK, RI 02886	6	Drawing Scale 1/2" = 1'-0"
F ⁽	Drawing Title: OURTH FLOOR CALLO	Drawing Number P2.04B	
ssue Date:	Approved By:	Drawn By:	Checked By:
08JAN21	AG	AGE	AG



	NEW CONSTRUCTION CALLOUT NOTES
#	NOTE
1	INSTALL CLEANOUT
2	INSTALL ACCESS PANEL AND CLEANOUT
3	EXISTING TO REMAIN
	FD (UP)
;	3/4" WATER LINE SHOWN FOR FUTURE. ALL URINALS ARE WATERLESS
	STACKED BATHROOM. FIXTURES ARE SHOWN ON CURRENT LEVEL AND SANITARY PIPING IS LEVEL ABOVE (TYPICAL
	FIXTURE ADJUSTMENT
	DOMESTIC HOT WATER SHEET CALLOUT NOTES
ŧ	NOTE
	UNCONFIRMED PIPING LAYOUT
	ASSUMED PIPING LOCATION
	DHR TIE-IN
4	EXTEND DHR LINE TO NOTE 5
Α	DHR LINE EXTENSION FROM 4
	DHR EITHER RUN NEW OR EXTEND FROM/TO BELOW
	DHR EITHER RUN NEW OR EXTEND TO/FROM ABOVE
	CONTRACTOR SHALL PROVIDE AS FOUND AND/OR AS BUILT OF PLUMBING IN THIS AREA
4	DHR END OF BRANCH
Α	INSTALL ASSE 1071 COMPLIANT WITH 2015 IPC AND SBC CURRENT EDITION
4	STACK OR RISER LOCATION
	DEMO CALLOUT NOTES
#	NOTE
1	DEMO ALL PLUMBING FIXTURES INCLUDING FD'S.
	DEMO ALL DOMESTIC CW, HW, AND HWR PIPING CONNECTED TO FIXTURES BACK TO HEADER.
	DEMO ALL SANITARY PIPING AND VENTS.
	LIMIT OF DEMOLITION

CONTRACTOR TO CONFIRM CONFLICT BETWEEN PREVIOUS PROJECT DRAWINGS.

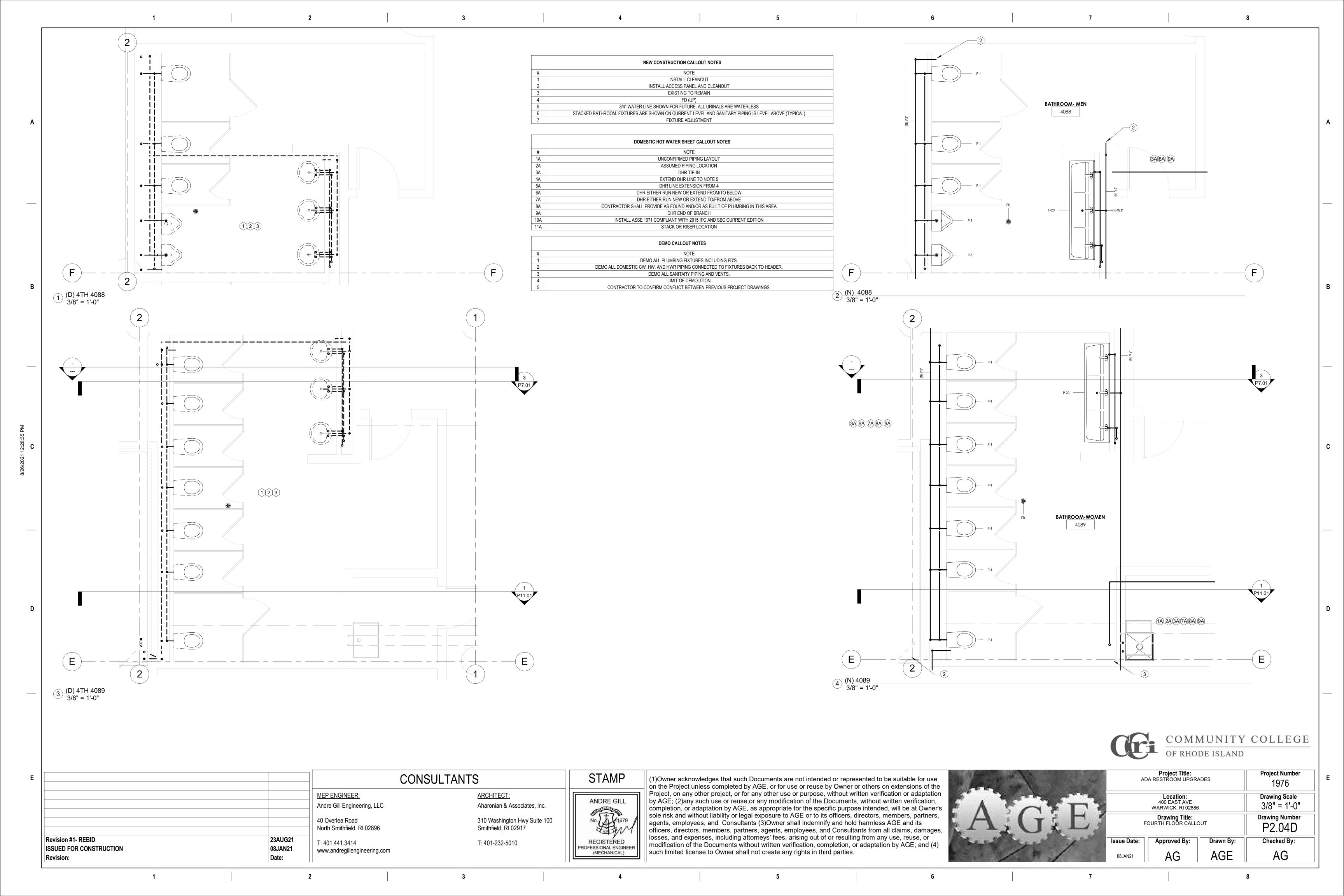


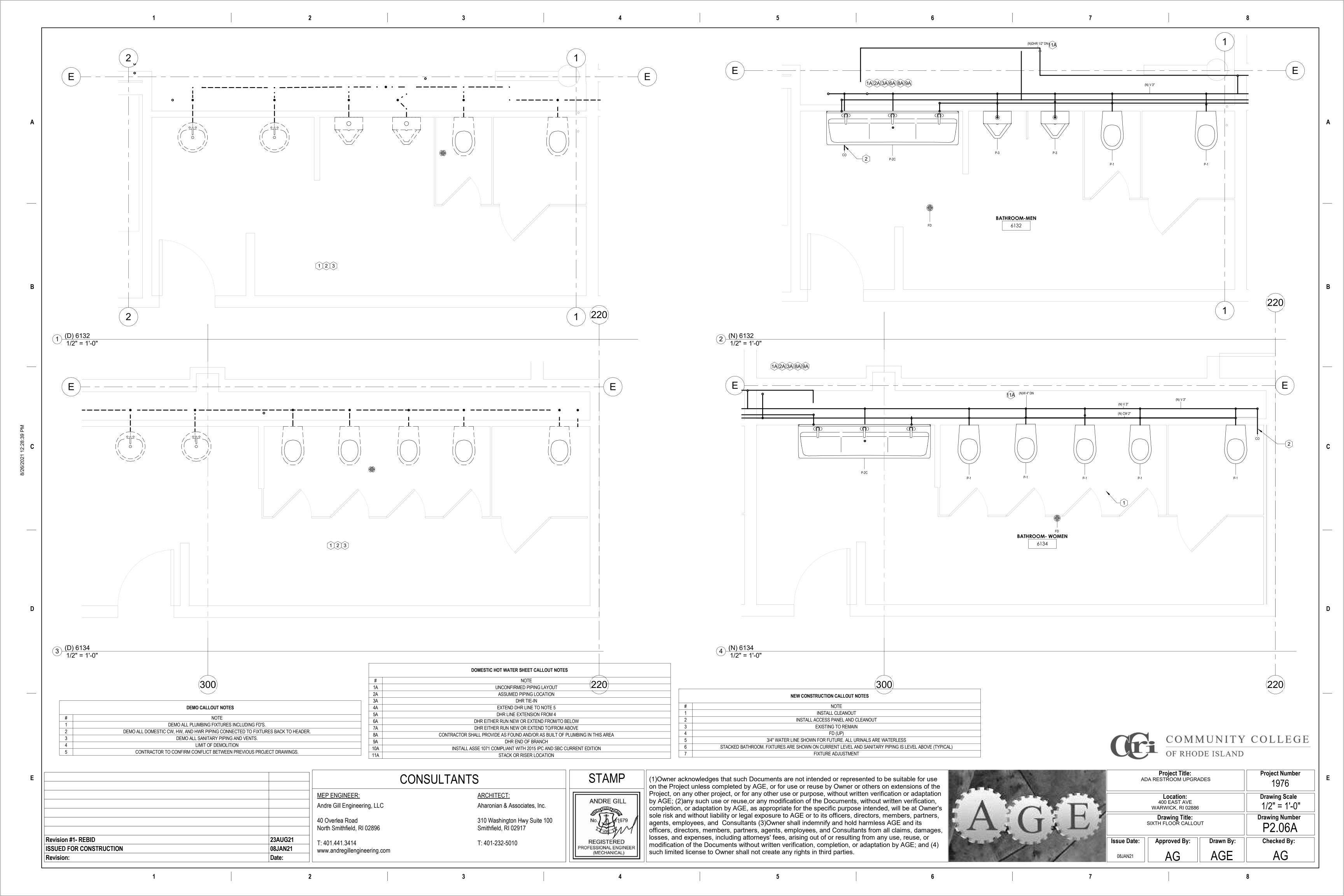


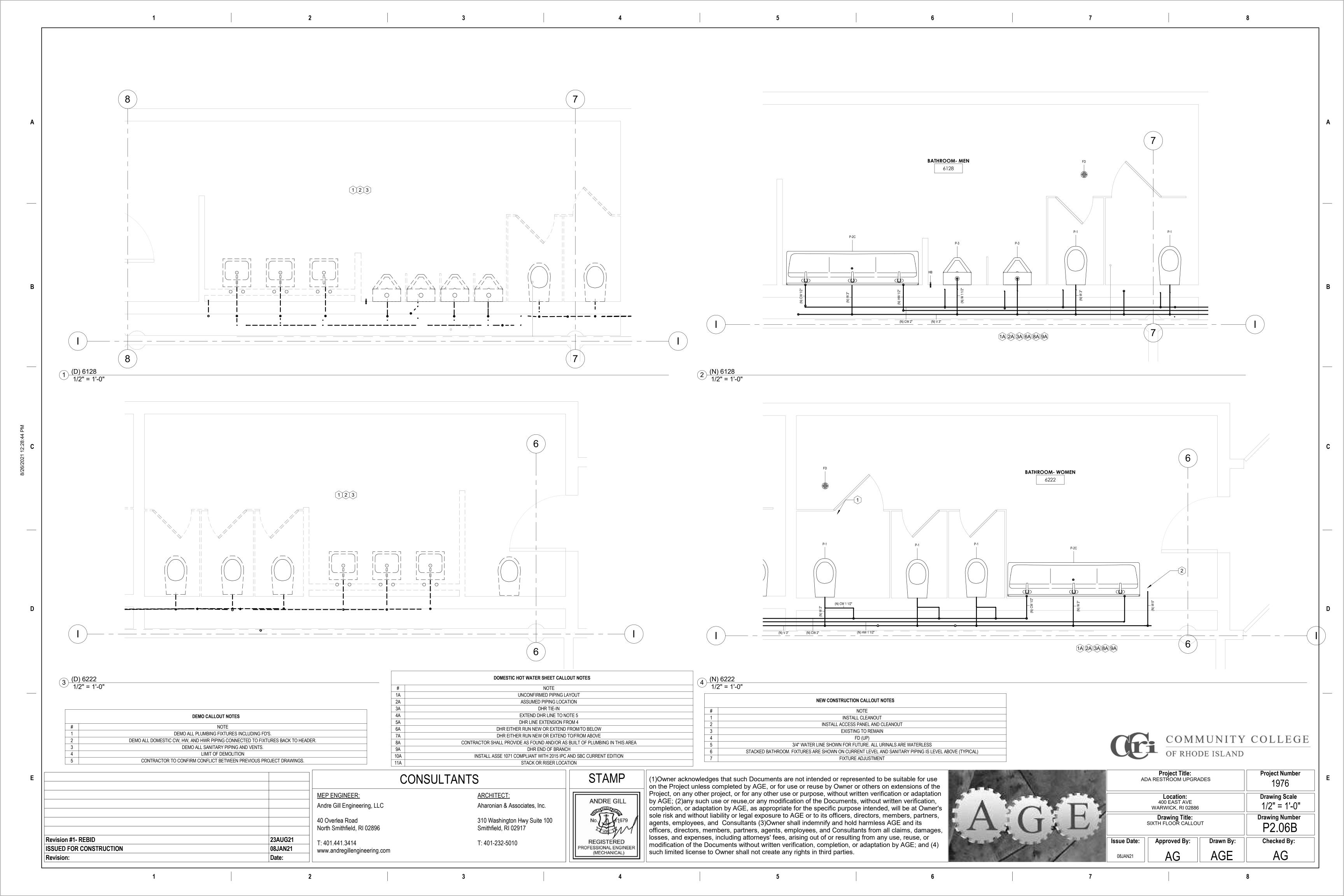
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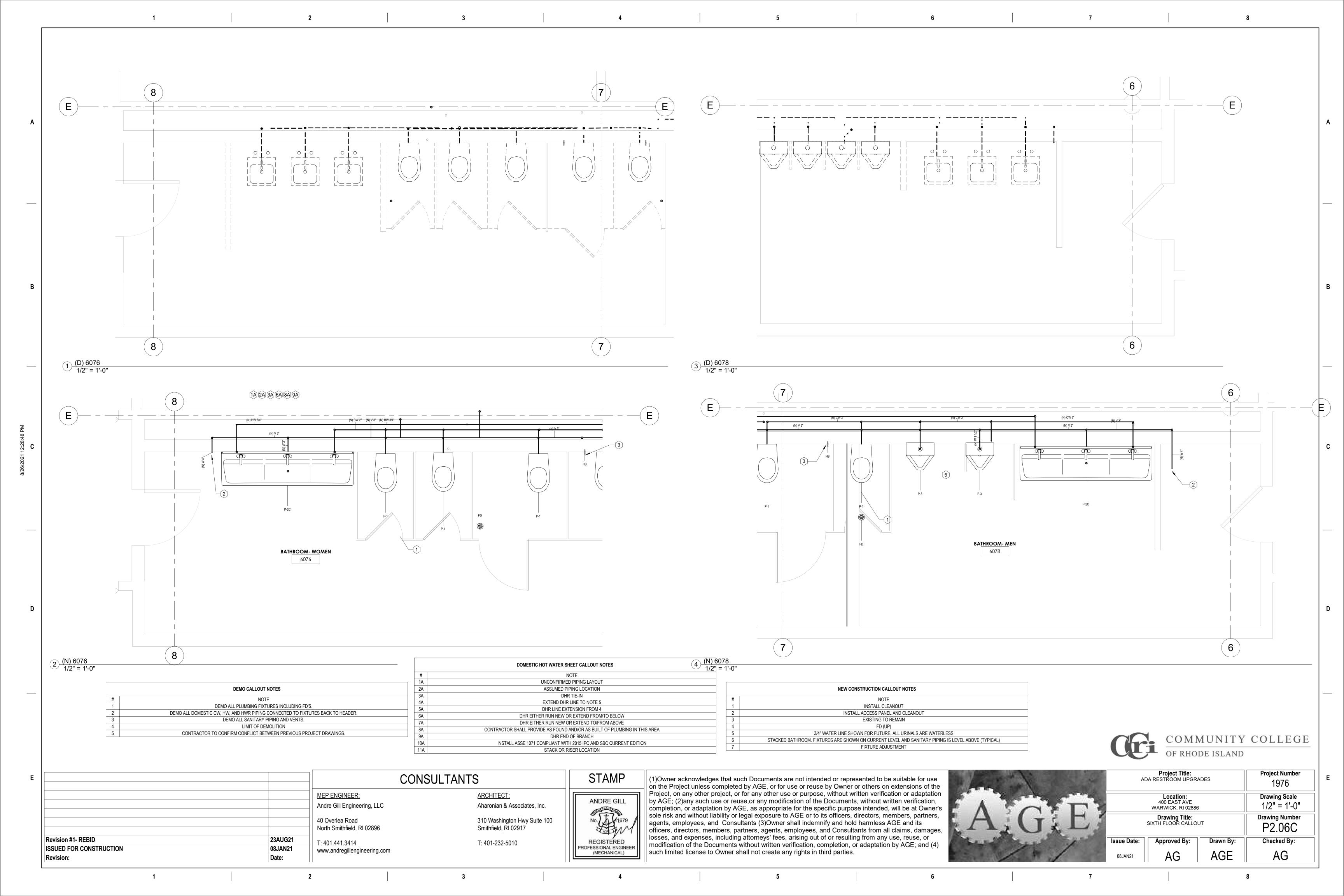


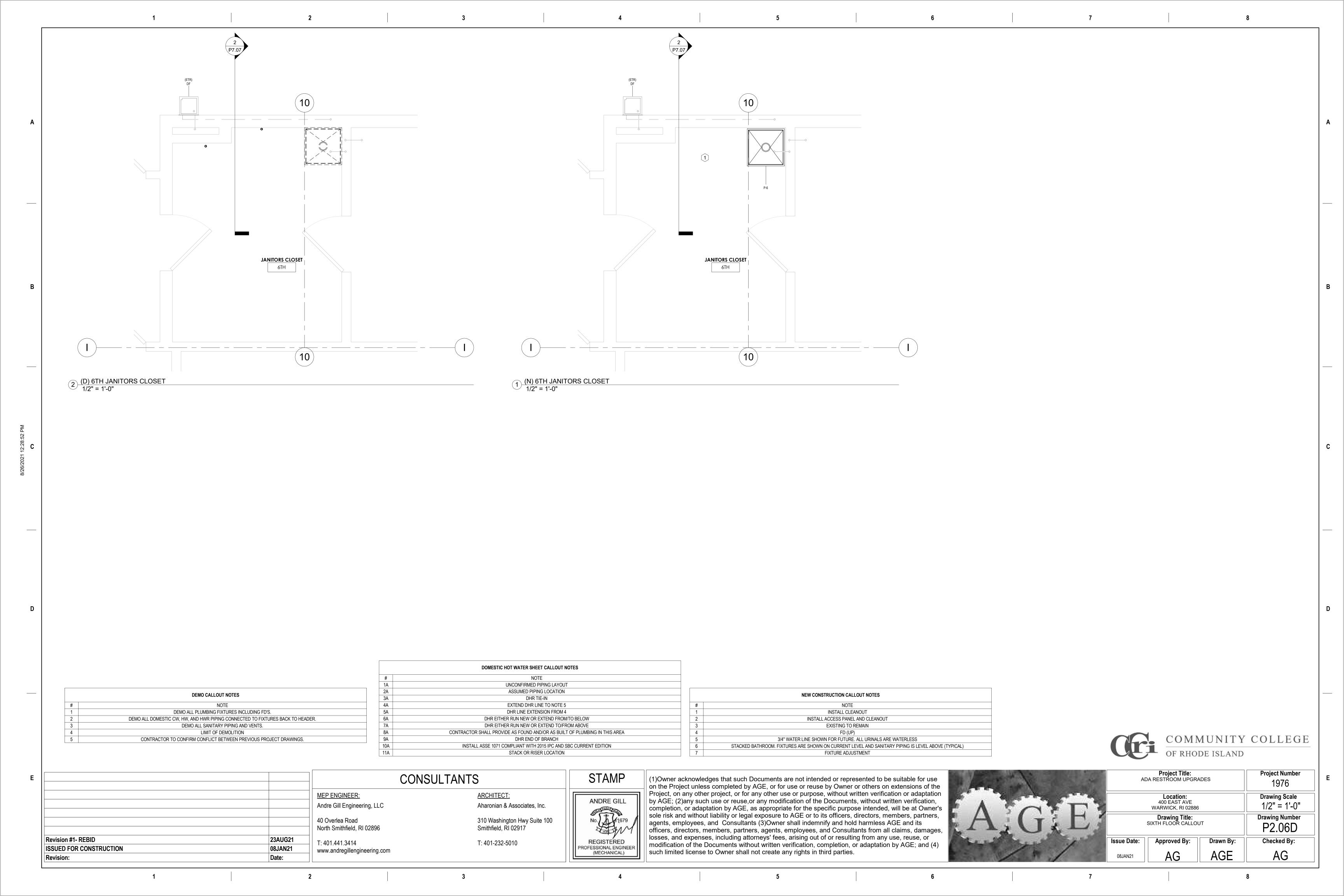
AD	Project Title: ADA RESTROOM UPGRADES Project Number 1976								
	Location: 400 EAST AVE WARWICK, RI 02886		Drawing Scale 1/2" = 1'-0"						
F ⁽	Drawing Title: OURTH FLOOR CALLO	Drawing Number P2.04C							
Issue Date:	Approved By:	Drawn By:	Checked By:						
08JAN21	AG	AGE	AG						

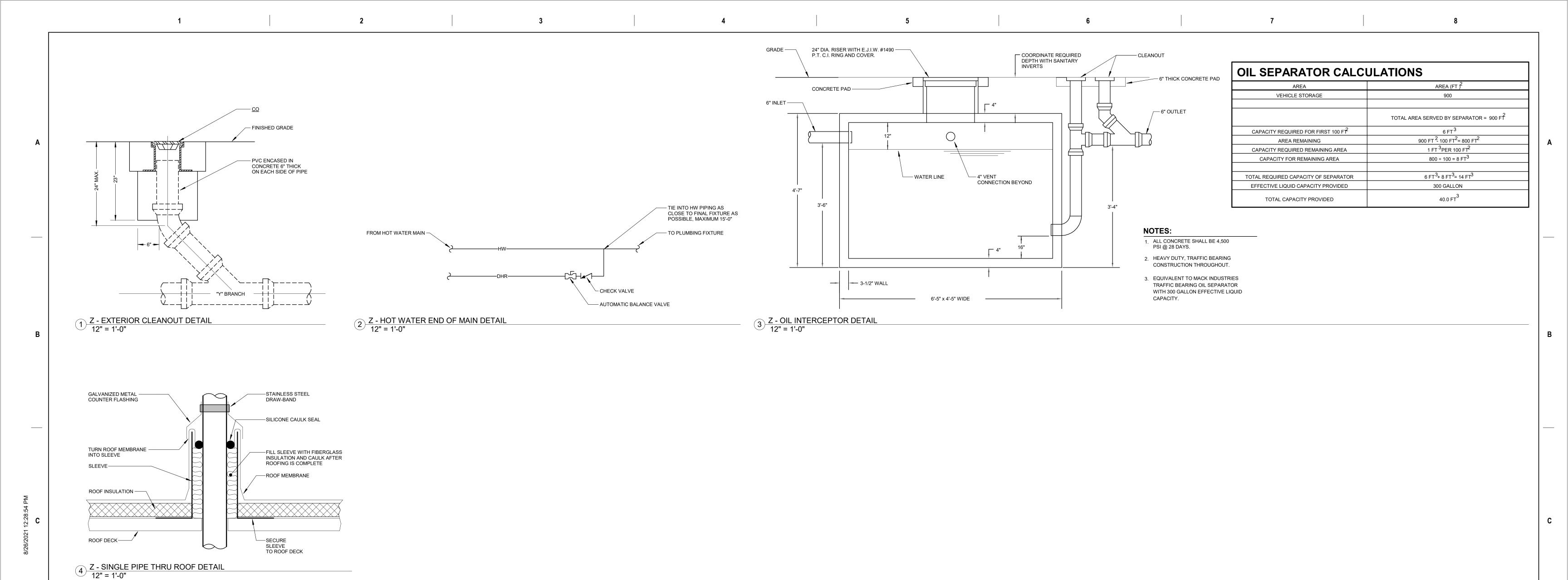














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08JAN21

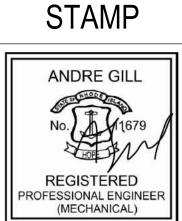
MEP ENGINEER:
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Aharonian & Associates, Inc.

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T: 401.441.3414
www.andregillengineering.com

ARCHITECT:
Aharonian & Associates, Inc.

310 Washington Hwy Suite 100
Smithfield, RI 02917

T: 401-232-5010

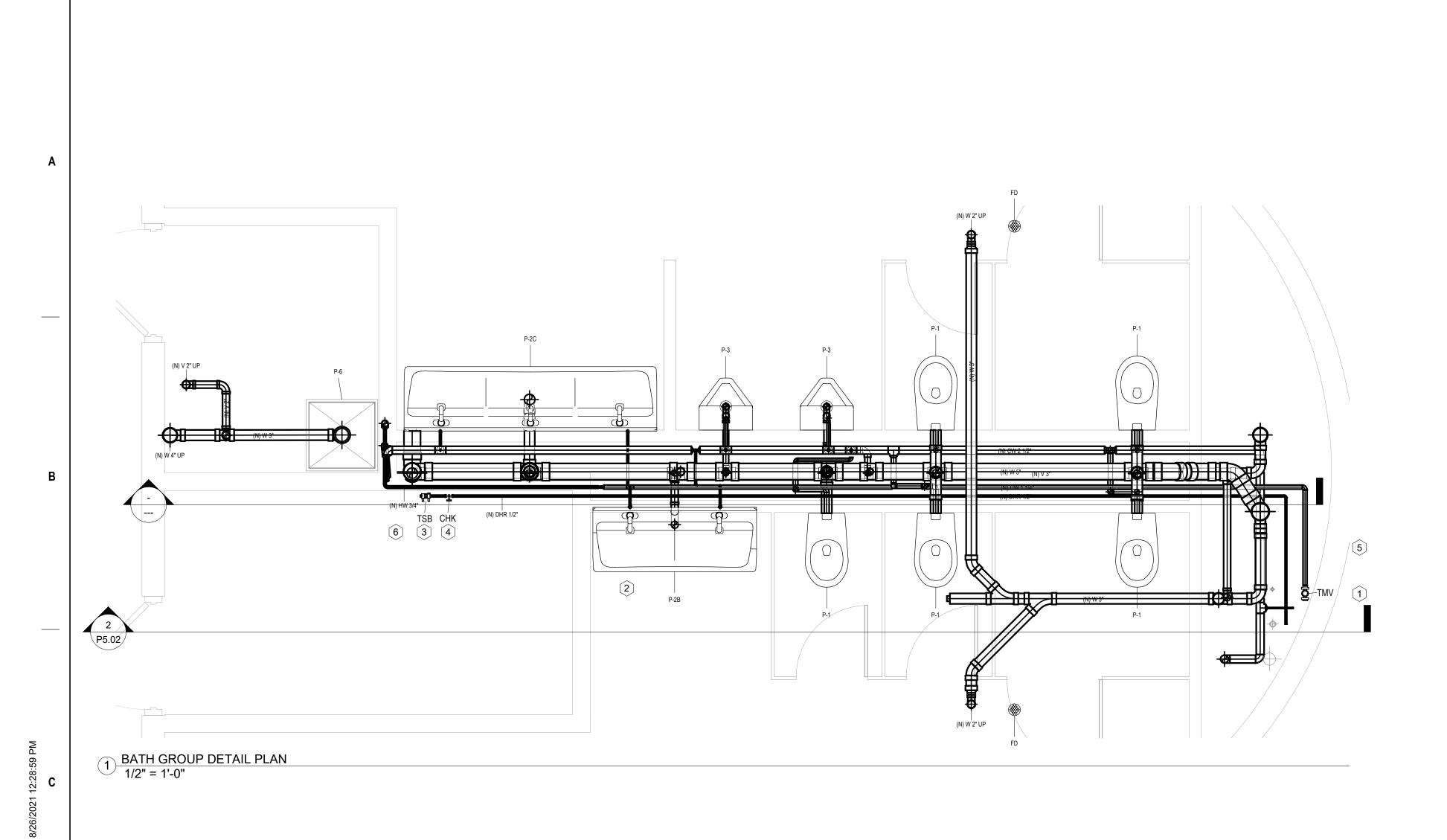


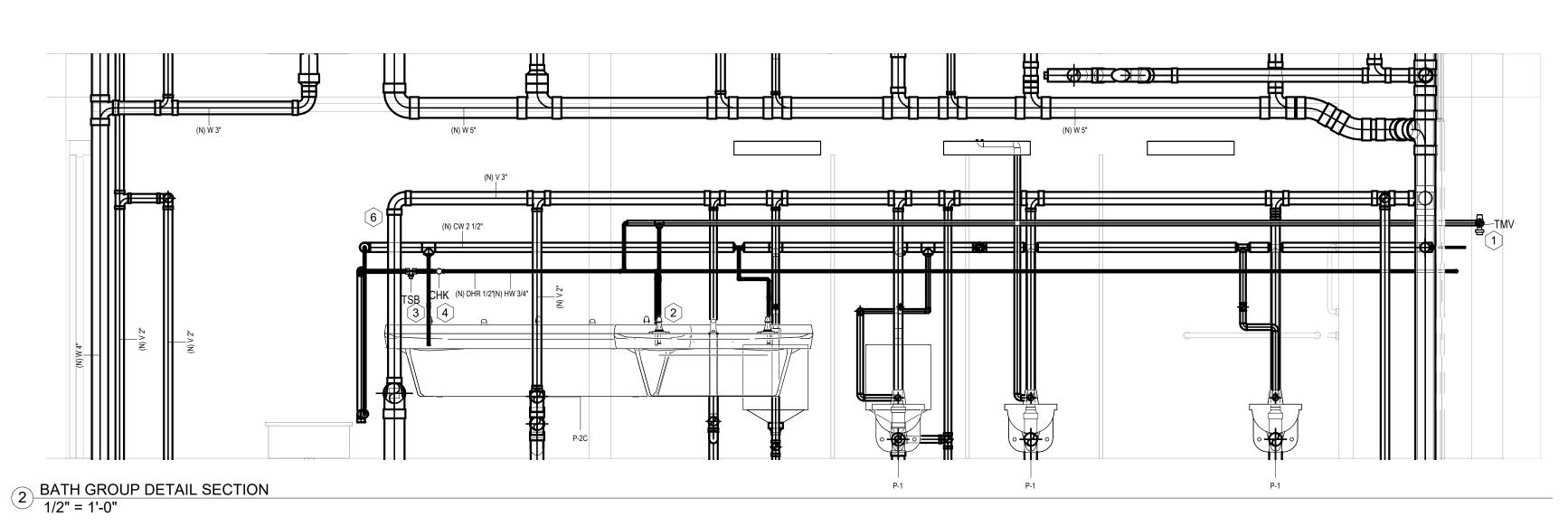
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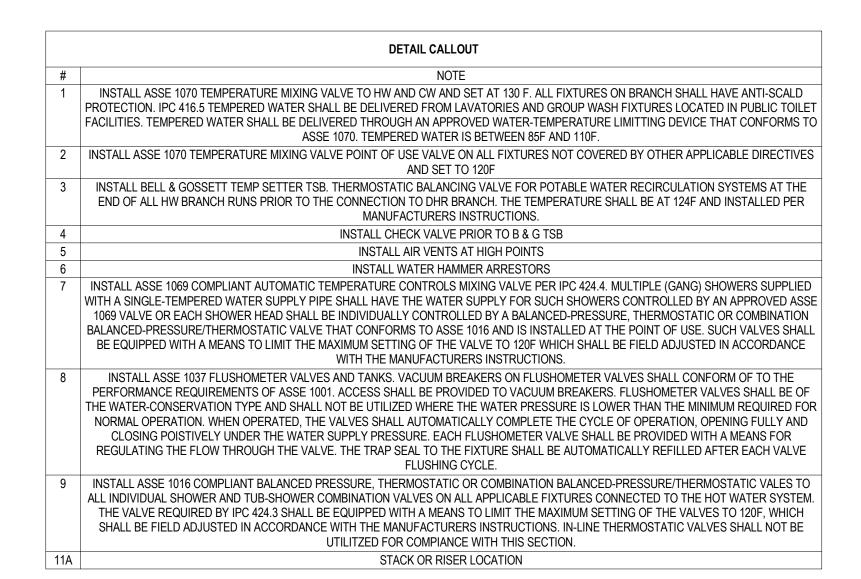
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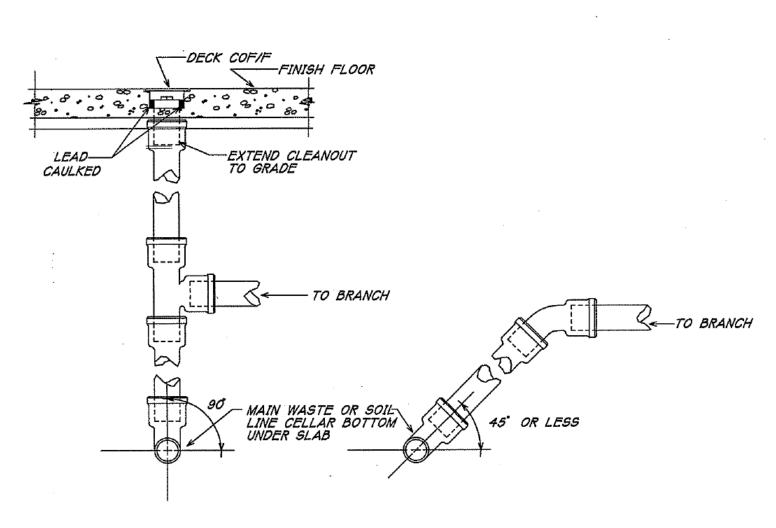
ΑI	Project Title: DA RESTROOM UPGRA	Project Number 1976	
	Location: 400 EAST AVE WARWICK, RI 02886	Drawing Scale 12" = 1'-0"	
	Drawing Title: PLUMBING DETAILS	Drawing Number P5.00	
Issue Date:	Approved By:	Drawn By:	Checked By:
08JAN21	AG	AG	

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DETAIL TYPICAL WASTE & SOIL BRANCH CONNECTION UNDER SLAB



]
		MEP ENGINEER:
		Andre Gill Engineering, LLC
		40 Overlee Bood
		40 Overlea Road North Smithfield, RI 02896
Revision #1- REBID	23AUG21	- - - T: 401.441.3414
ISSUED FOR CONSTRUCTION	08JAN21	www.andregillengineering.com
Povicion:	Date:	

CONSULTANT	S
	ARCHITECT: Aharonian & Associates, Inc.
	310 Washington Hwy Suite 100 Smithfield, RI 02917

T: 401-232-5010

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AE	Project Title: ADA RESTROOM UPGRADES Project Number 1976							
	Location: 400 EAST AVE WARWICK, RI 02886	Drawing Scale 1/2" = 1'-0"						
	Drawing Title: PLUMBING DETAILS	Drawing Number P5.02						
Issue Date:	Approved By:	Drawn By:	Checked By:					
01/26/21	AG	AG						

Revision #1- REBID

ISSUED FOR CONSTRUCTION

- HIGH-TEMPERATURE HOT WATER THERMOMETER TEMPERED WATER FIXTURE THERMOMETER SPLIT IN HWR PIPING TO ALLOW FLOW TO BOTH WATER FIXTURE SIDES OF THERMOSTATIC HEATER THERMOSTATIC SET AT MIXING CONTROL VALVE BALANCING FIXTURE VALVE FIXTURE CIRCULATING THERMOMETER PUMP — RETURN BALANCING'

For SI: $^{\circ}C = [32 - (^{\circ}F)]/1.8$.

Figure 607.2.3(1) PROPER RECIRCULATION RETURN

1 RECIRCULATION RETURN IPC 1" = 1'-0"

- UPON APPROVAL AND IN COORDINATION WITH ENGINEER OF RECORD AGE, PLEASE ADD NEW RECIRCULATION PUMP, MASTER TEMPERATURE MIXING VALVE. RECIRCULATION PUMP MODEL AND MANUFACTURER SHALL NOT BE CHANGED. SYSTEM DESIGN REQUIRES SELF BALANCING AND THIS PUMP IS USED AS DESIGN BASIS. ALL
- OTHER MODELS WILL REQUIRE NEW CALCULATIONS. THERMOSTATIC BALANCING VALVES SHALL NOT BE CHANGED. SYSTEM DESIGN REQUIRES SELF BALANCING DUE TO LAYOUT AND UNKNOWNS. THIS VALVE MEETS THE REQUIREMENTS FOR LEGIONELLAS SANITIZATION REQUIREMENTS AND IS USED AS THE DESIGN BASIS. ALL OTHER MODELS WILL REQUIRE NEW CALCULATIONS TO BE
- 2. ALL APPROVED PLANS SHALL COMPLY WITH CURRENT BUILDING CODE.

SCOPE OF WORK HOT WATER

- A. SEVERAL ALTERNATIVES ARE AVAILABLE FOR FINAL APPROVAL FROM CCRI AND PROJECT MANAGEMENT PRIOR
- TO THE START OF CONSTRUCTION OF THE PROJECT. UNKNOWNS TO WORK ARE HAVE BEEN ASSUMED BY ENGINEER AND SHALL BE CONFIRMED BY THE CONTRACTOR PRIOR TO BID. VENDOR SHALL HAVE APPROPRIATE EXPERIENCE IN THIS TYPE OF WORK COMMENSURATE WITH LEVEL OF DIFFICULTY AND SHALL NOT LATER INCREASE THE COST OF THIS WORK THROUGH DISCOVERIES POST AWARD TO CCRI, OR DESIGN TEAM.
- TOTAL QUANTITY OF HOT WATER RECIRCULATION PIPING THROUGHOUT THE FACILITY IS UNKNOWN. CCRI HAS EXISTING ISSUES WITH AVAILABILITY OF DOMESTIC HOT WATER OF MAIN BUILDING ABOVE 2ND FLOOR. AGE AS THE ENGINEER OF RECORD HAS MADE SEVERAL ASSUMPTIONS THAT NEED TO BE FIELD CONFIRMED BY SUCCESSFUL CONTRACTOR THAT NEED TO BE TRANSMITTED IMMEDIATELY TO AGE ENGINEER OF RECORD FOR FINAL APPROVAL. THIS SHOULD BE INCLUDED IN THE PROPOSAL AS PIPING IS IS NOT ACCESSIBLE AND AS BUILT
 - DRAWINGS SHOW CONFLICTS AS OBVIOUS SYSTEM CHANGES HAVE TAKEN PLACE SINCE 1968. IN GENERAL THE RECIRCULATION PIPING SHALL BE EXTENDED TO MOST REMOTE PLUMBING FIXTURES AT EITHER 1", 3/4" OR 1/2" PIPING DIAMETERS
 - GENERAL CONTRACTOR SHALL IMMEDIATELY UPON AWARD HAVE BALANCER CONFIRM THE AS-FOUND CONDITIONS OF THE HOT WATER SYSTEM. THIS REPORT SHALL BE IMMEDIATELY MADE AVAILABLE TO ENGINEER OF RECORD AGE TO ADJUST DESIGN AS REQUIRED.
 - IT IS ANTICIPATED THROUGH CALCULATIONS THAT THE TOTAL CONNECTED LOAD FOR THE HOT WATER LOOP MAIN IS APPROXIMATELY REQUIRES 3,176 GPH. WITH DIVERSITY THIS IS REDUCED TO 2,858 GPH. THE CURRENT STORAGE CAPACITY IS 450 GALLONS REDUCED TO AN EFFECTIVE CAPACITY OF 360 USABLE GALLONS. THIS REQUIRES 2,500 GPH AND 2,081,167 BTH/HR REQUIRED HEATING CAPACITY.
 - TOTAL LENGHT OF HW PIPING IN VARIOUS DIAMETERS IS APPROXIMATELY 2,000 FT.
 - TOTAL LENGHT OF DHR PIPING IN VARIOUS DIAMETERS IS APPROXIMATELY 2,705 FT. TOTAL HEAT LOSS OF HW PIPING BARE IS 89,000 BTU/HR. WHILE ITS 45,500 BTU/HR FOR INSULATED
 - TOTAL HEAT LOSS OF DHR PIPING BARE IS 95,000 BTU/HR. WHILES ITS 52,500 BTU/HR HWR RECIRCULATION PUMP SIZING FOR A 5F DELTA IS
 - 75 GPM FOR BARE 40 GPM FOR INSULATED PIPING
 - PUMP SHALL HAVE ECM MOTOR AND REPLACE CURRENT RP MASTER TEMPERATURE MIXING VALVE SHALL BE EVALUATED FOR REPLACEMENT. IT SHALL ME CURRENT LEAD FREE STANDARDS AND HAVE THE ABILITY FOR MAINTAING 140F LOOP
- TEMPERATURE. IN ADDITION IT SHALL ALSO HAVE THE ABILITY TO MAINTAIN 150F FOR PER SPECIFICATION AND CODE REQUIREMENTS ALL PIPING SHALL BE INSULATED. CONTRACT CCRI PERFERRED CONTROLS VENDOR TO PROVIDE ASSESSMENT OF HOT WATER SYSTEM CONTROLS. THE ASSESSMENT AND CONTROLS ARCHITECTURE SHALL BE PROVIDED TO ENGINEER OF RECORD
- AGE TO IMPLEMENT INTO FINAL AS-BUILT DRAWING SET. THOSE DRAWINGS SHALL PROVIDE A COMPLETED RISER DIAGRAM
- PROTECTION AT EACH FIXTURE SHALL BE CODE COMPLIANT IF NEW DESIGN SUPPLYS HEADER AT 140F THEN EVERY DEVICE ON SYSTEM SHALL HAVE TEMPERATURE
- b. SYSTEM BALANCING VALVES SHALL BE INSTALLED
 - ON BOTH SUPPLY AND RETURN
 - PRESSURE DROP IN EACH SUPPLY BRANCH OR RISER EQUAL SO THAT THE CORRESPONDING CIRCULATED WATER FLOW IS EQUAL.
 - PROVIDE SEPARATE CHECK, ISOLATION AND BALANCING VALVES IN THE HOT WATER RETURN CIRCULATING LINES AT THE POINT OF CONNECTIONS OF THE DOMESTIC HOT WATER SUPPLY LINE(MAIN, BRANCH OR RISER) WITH THE HOT WATER RECIRCULATION LOOP.
- BALANCER SHALL SUPPLY THE FLOWRATES AT TIME OF BALANCING SYSTEM ISOLATION VALVES SHLALL BE INSTALLED
- CHECK VALVES INSTALLED AT EACH POINT WHERE DHR CONNECTS TO HW
- MIINIMUM HWR TEMPERATURE SETPOINT OF 124F WHEN LOOP IS IN OPERATION MAXIMUM FIXTURE RUNOUT
- a. HOT (>110) OR TEMPERED WATER (85F TO 110F) SUPPLY: PIPE LENGHT SHALL BE AS SHORT AS POSSIBLE TO SUPPLY THE FIXTURE OR EQUIPMENT. EACH FIXTURE IN THE BATHROOM GROUP SHALL BE EVALUATED
- TO ENSURE TURNOVER OF HOT OR TEMPERED WATER EVEN IF SEPARATE FEED LINES ARE REQUIRED. PUBLIC LAVATORIES AND LOW FLOW LAVATORY FIXTURES .5 GPM THE HOT WATER RUN-OUTS LENGTH
- SHALL BE LIMITED TO A TOTAL MAXIMUM VOLUME OF 12 OZ (0.35L) LAVATORY FAUCET OTHER THAN PUBLIC LAVATORY INCLUDING HAND WASHING SINK MAXIMUM VOLUME SHALL BE 24 OZ (0.7L) WHETHER THE SOURCE OF HOT WATER IS FROM DHR OR DIRECTLY FROM HEATER
- TEMPERED WATER SHALL BE DELIVED FROM LAVATORIES AND GROUP WASH FIXTURES LOCATED IN
- PUBLIC TOILET FACILITIES TEMPERED WATER SHALL BE DELIVERED THROUGH AN APPROVED WATER-TEMPERATURE LIMITING
- DEVICE THAT CONFORMS TO ASSE 1070. EVERY INDIVIDUAL SHOWER SHALL BE BALANCED PRESSURE, THERMOSTATIC OR COMBINATION BALANCED-PRESSURE/THERMOSTATIC VALVES THAT CONFORM TO THE REQUIREMENTS OF ASSE 1016/ ASME A112.1016/CSA B125.16 OR ASME A112.18/CSAB125.1 SHALL BE INSTALLED AT THE POINT OF USE. LIMIT MAXIMUM SETTING OF THE VALVE TO 120f WHICH SHALL BE FIELD ADJUSTED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. IN-LINE THERMOSTATIC VALVES SHALL NOT BE UTILIZED FOR
- COMPLIANCE WITH THIS SECTION. MULTIPLE (GANG) SHOWERS SUPPLIED WITH A SINGLE-TEMPERED WATER SUPPLY PIPE SHALL HAVE THE WATER SUPPLY FOR SUCH SHOWERS CONTROLLED BY AN APPROVED AUTOMATIC TEMPERATURE CONTROL MIXING VALVE THAT CONFORMS TO ASSE 1069 OR CSA B125.3, OR EACH SHOWER HEAD SHALL BE INDIVIDUALLY CONTROLLED BY A BALANCE-PRESSURE, THERMOSTATIC OR COMBINATION BALANCED-PRESSURE/THERMOSTATIC VALVE THAT CONFORMS TO ASSE 1016/ASME A112.1016/CSA B125.16 OR ASME A112.18.1/CSA B125.1 AND IS INSTALLED AT THE POINT OF USE. SUCH VALVES SHALL BE EQUIPPED WITH A MEANS TO LIMIT THE MAXIMUM SETTING OF THE VALVE TO 120F WHICH SHALL BE FIELD ADJUSTED IN
- ACCORDANCE WITH THE MANUFACTURERS' INCSTRUCTIONS PROVIDE AIR ELIMINATION AT ALL HIGH POINTS OF DHR SYSTEM.
- 1. LACK OF AIR ELIMINATION MAY BE PREVENTING FLOW INSTALLING THEMOSTATIC BALANCING VALVES ALLOW FOR CONTINOUS FLOW. BELL AND GOSSET HAS A GALLON BYPASS TO ALLOW FOR STERILIZATION OF LINES FOR LEGIONELLA. BECAUSE TEMP IS ABOVE NORMAL TEMP 130F AT APPOXIMATELY 150F THE TEMPERATURE SCALE ON THE VALVE WOULD SHUT THE VALVE. THIS IS ON THE TSB MODEL ONLY
- INSTALL VALVES AT THE BASE OF ALL DOMESTIC WATER RISERS, THE SUPPLY OF FIXTURES AS
- APPLICABLE BY CODE, TO ISOLATE EQUIPMENT DISINFECT POTABLE WATER SYSTEM PER RI-SBC-PLUMBING, IPC 2015.
- ALL FIRE WALL PENETRATIONS SHALL BE APPROPRIATELY FIRE STOPPED.
- ALL PIPING SHALL BE INSULATED AS REQUIRED BY RHODE ISLAND STATE BUILDING, INCLUDING EXISTING DOMESTIC HOT WATER AND HOT WATER RECIRCULATION PIPING.
- ALL DOMESTIC COLD WATER, HOT WATER, HOT WATER RECIRCULATION, SANITARY, WASTE, AND VENT PIPING SHALL BE AS BUILT, SHOWING PIPE SIZES, INSULATION THICKNESS, ELEVATIONS, INVERT ELEVATIONS, CONNECT TO EXISTING, NEW PIPING, AND EXISTING TO REMAIN PIPING SHALL BE DOCUMENTED BY CONTRACTOR AND PROVIDED TO ENGINEER OF RECORD FOR AS-BUILT DOCUMENTATION

HOT WATER RECIRCULATION SOW



A COMPLETE SMART & HIGHLY EFFICIENT PUMPING SOLUTION FOR HEATING, COOLING AND POTABLE WATER SYSTEMS PERFORMANCE 50/60HZ CURVES

ecocirc XL

Madal Novakas	Ver	sion	Power Supply				Flange Connection Pum				np Body	Fluid Temp. Range	Ambient Temp. Range	Maximum Pressure Range	Protection Class	
Model Number	High Head	High Flow	Single Phase 115V	Single Phase 208-230V	3 Phase 208-230/ 400-460V	3 Phase 400-460V	Small Booster (2 Bolts)	Large Booster (2 Bolts)	2" Booster (4 Bolts)	3" Booster (4 Bolts)	Cast	Stainless Steel	14°F - 230°F	32°F - 104°F	175 PSI	IP44
ecocirc XL 20-35	•		•				•				•	•	•	•	•	•
ecocirc XL 36-45	•		•	•			•				•	•	•	•	•	•
ecocirc XL 15-75		•	•	•					•		•	•	•	•	•	•
ecocirc XL 55-45	•			•			•				•	•	•	•	•	•
ecocirc XL 20-140		•		•					•		•	•	•	•	•	•
ecocirc XL 65-130	•			•	•			•			•	•	•	•	•	•
ecocirc XL 40-200		•		•	•				•		•	•	•	•	•	•
ecocirc XL 70-145	•			•				•			٠	•	•	•	•	•
ecocirc XL 40-275		•		•						•	•	•	•	•	•	•
ecocirc XL 95-160	•				•			•			•	•	•	•	•	•
ecocirc XL 27-320		•			•					•	•	•	•	•	•	•
ecocirc XL 110-180	•					•		•			•	•	•	•	•	•
ecocirc XL 45-375													•		•	

Small Booster (2 bolts) has a bolt hole to bolt hole dimension of 3-3/16"

ecocirc XL High Head Performance Range

ecocirc XL High Flow Performance Range

Technical Specifications 316 SS hermostatic Element All movable parts are (35°C-65°C located out of contact with the circulating water 1 145 psi .34

Temp Setter

THERMOSTATIC BALANCING VALVE FOR

POTABLE WATER RECIRCULATION SYSTEMS

Dimensions and Weight

Adjustment Range

Cv - Disinfection

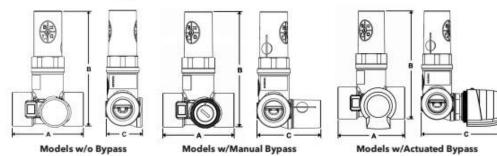
Temperature Accuracy

Max Working Pressure

Safely and effectively

balance your domestic hot

water recirculation systems.



Size A B C 0.50 (13) 2.50 (63) 4.10 (103) 1.30 (33) 1.0 (0.45) TS-3/4(C) 0.75 (19) 2.50 (63) 4.10 (103) 1.30 (33) 1.0 (0.45)

Model Number	Dimension in IN* (mm)			Aprrox. Weight	
	Size	A	В	С	lbs (kg)
TB-1/2(C)	0.50 (13)	2.50 (63)	4.10 (103)	2.20 (57)	1.0 (0.45)
TB-3/4(C)	0.75 (19)	2.50 (63)	4.10 (103)	2.20 (57)	1.0 (0.45)

Models w/Actuated Bypass

	Dimension in IN* (mm)				Aprrox. Weight
Model Number	Size	A	В	С	lbs (kg)
TSB-1/2(C)	0.50 (13)	2.50 (63)	4.10 (103)	3.80 (97)	1.5 (0.68)
TSB-3/4(C)	0.75 (19)	2.50 (63)	4.10 (103)	3.80 (97)	1.5 (0.68)

cale 0.06 - 0.29 gpm



AD	Project Title: PA RESTROOM UPGRA	Project Number 1976		
	Location: 400 EAST AVE WARWICK, RI 02886		Drawing Scale As indicated	
Drawing Title: PLUMBING DETAILS HOT WATER			Drawing Number P5.03	
Issue Date:	Approved By:	Drawn By:	Checked By:	
01/28/21	AG	AGE	AG	

CONSULTANTS **ARCHITECT:**

Andre Gill Engineering, LLC 40 Overlea Road North Smithfield, RI 02896

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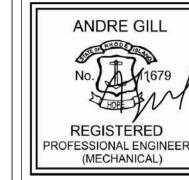
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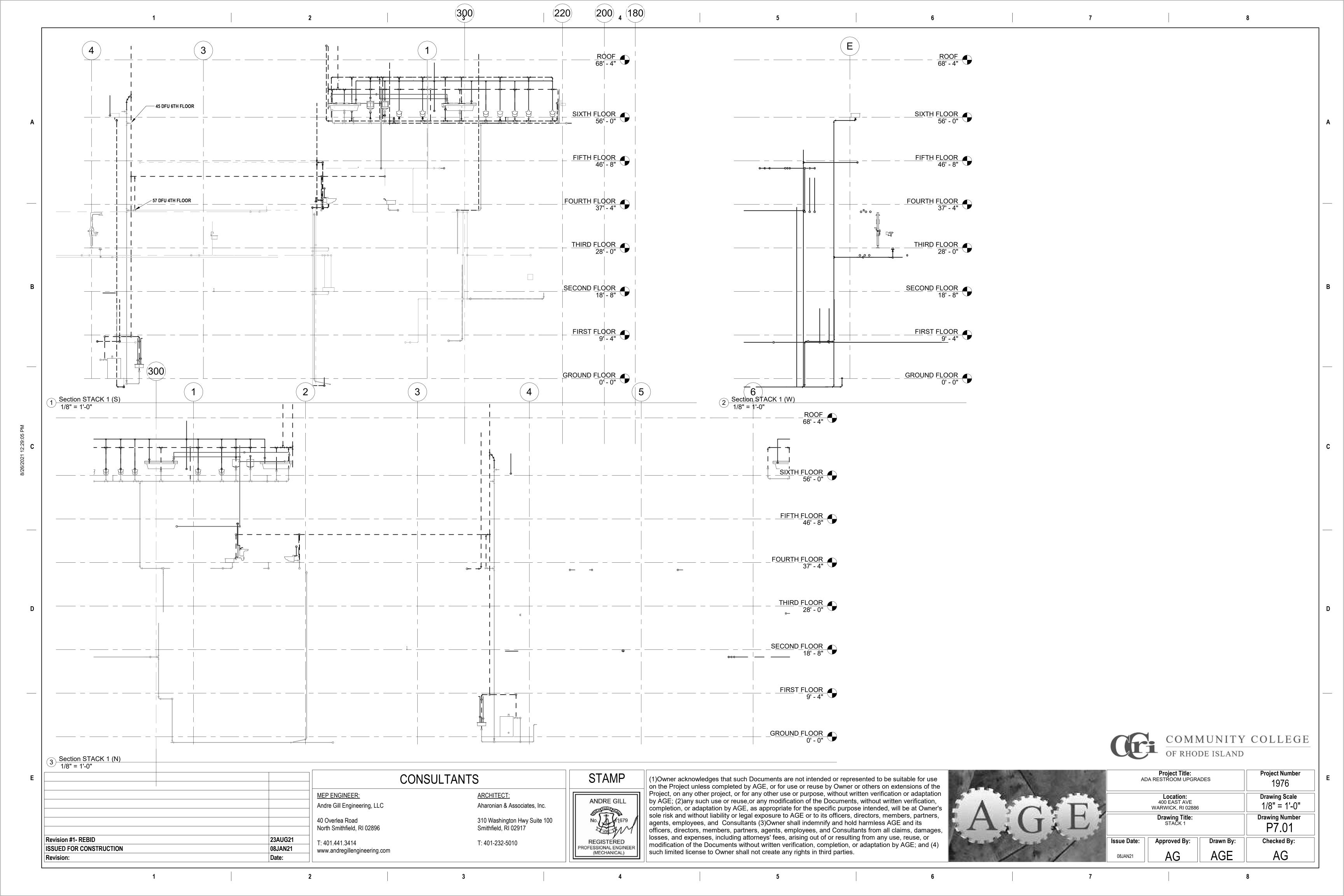
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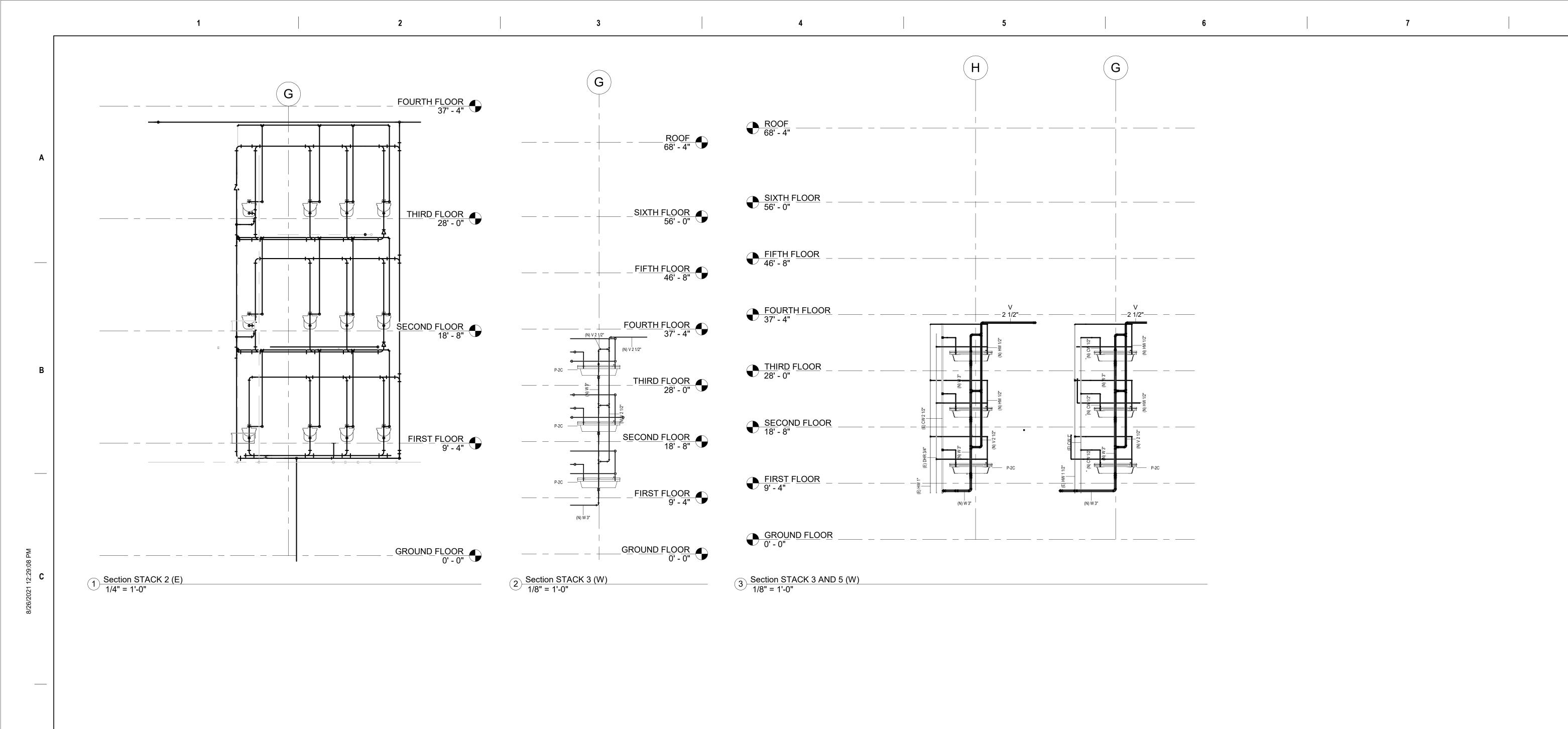
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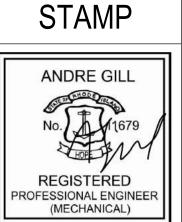
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CONSULTANTS MEP ENGINEER: Andre Gill Engineering, LLC 40 Overlea Road North Smithfield, RI 02896 23AUG21 Revision #1- REBID T: 401.441.3414 ISSUED FOR CONSTRUCTION www.andregillengineering.com



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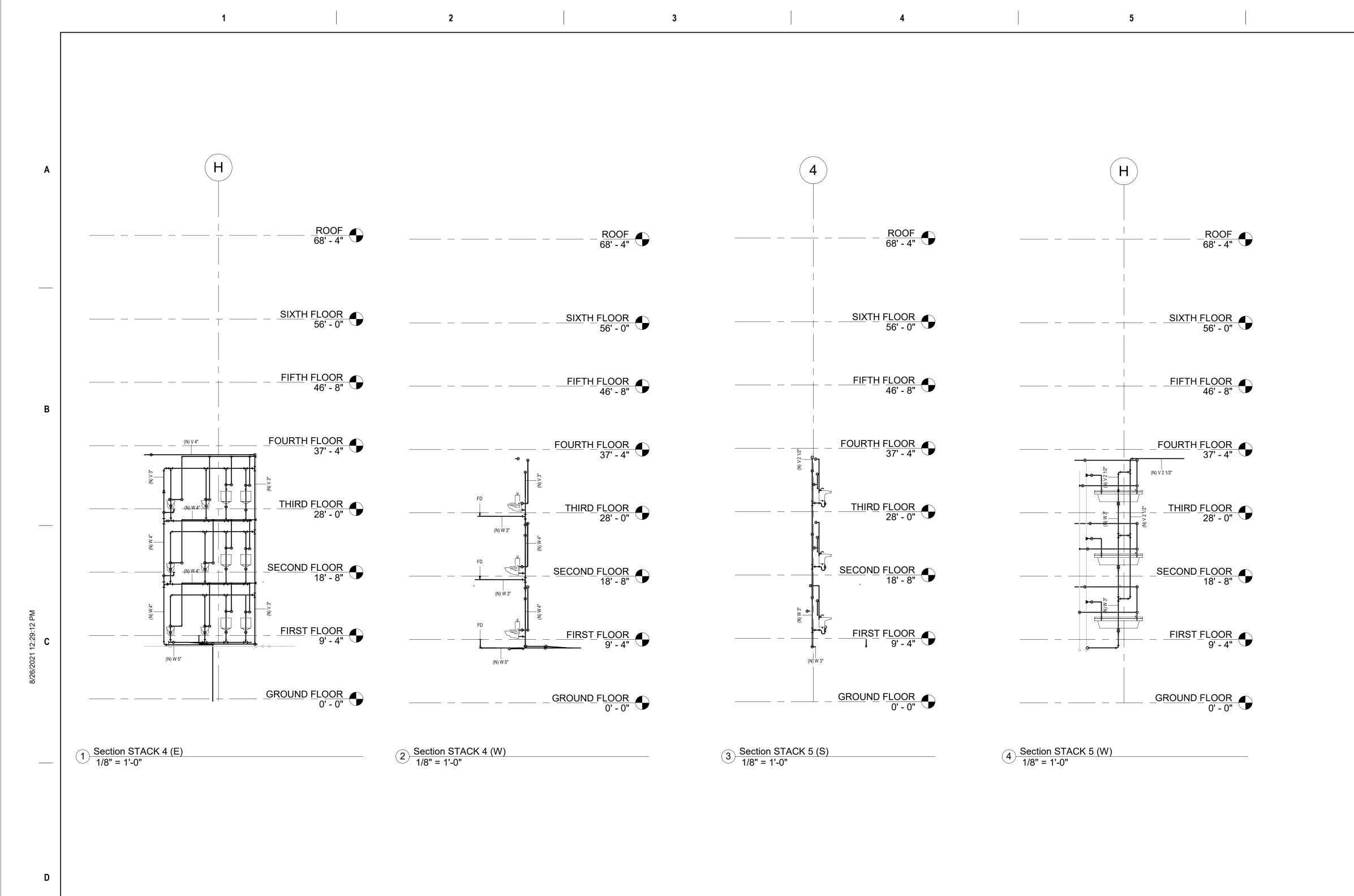
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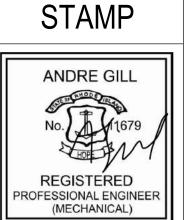
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AD	Project Title: DA RESTROOM UPGRA	Project Number 1976	
	Location: 400 EAST AVE WARWICK, RI 02886	Drawing Scale As indicated	
Drawing Title: STACKS 2,3 & 5			Drawing Number P7.02
Issue Date:	Approved By:	Drawn By:	Checked By:
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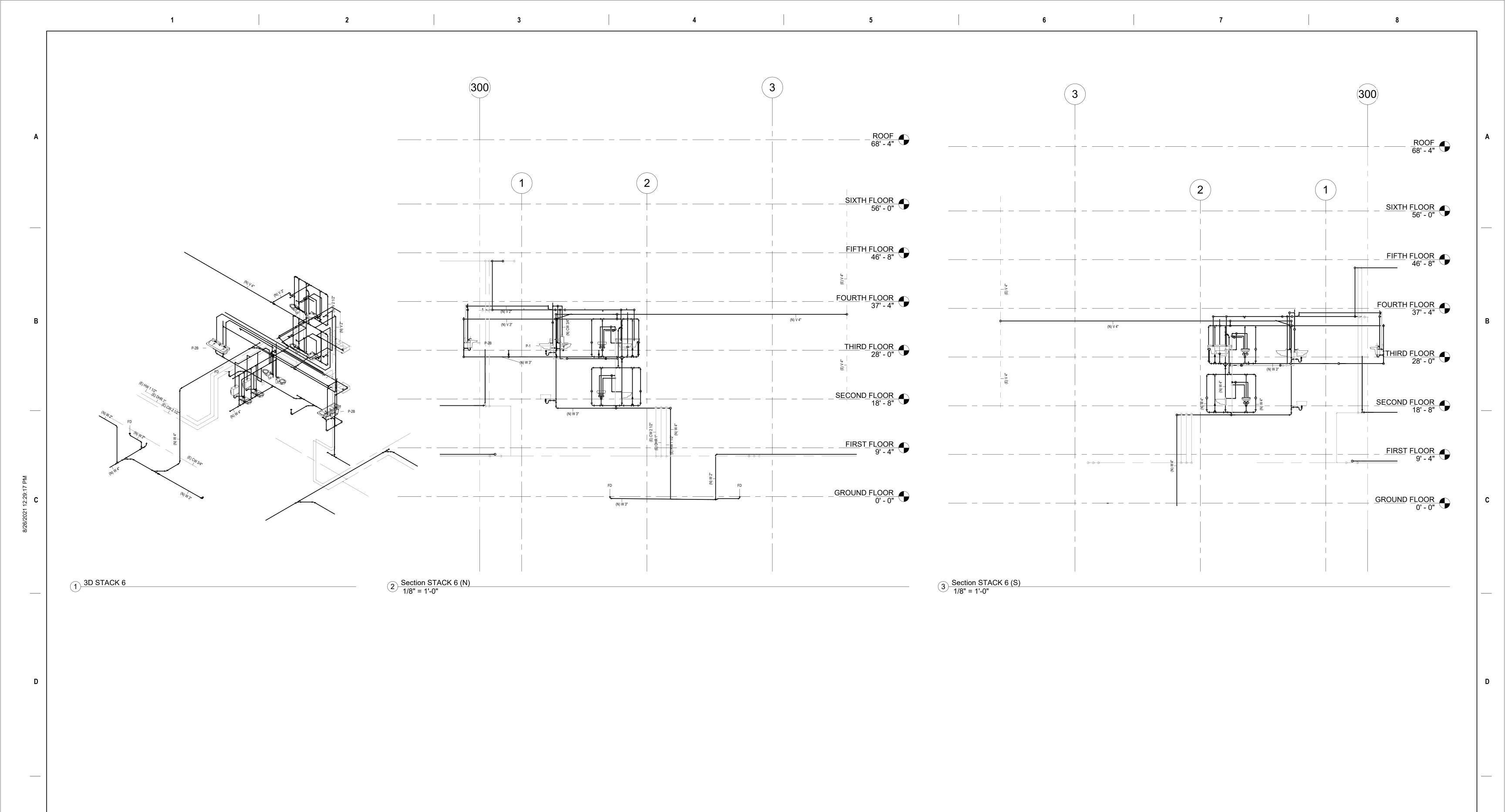


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Location: 400 EAST AVE WARWICK, RI 02886		Drawing Scale 1/8" = 1'-0"	
Drawing Title: STACKS 4 & 5		Drawing Number P7.03	
Issue Date: Approved By: Drawn By:		Checked By:	
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		MEP ENGINEER:
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		40 Overlea Road
		North Smithfield, RI 02896
Revision #1- REBID	23AUG21	T: 401.441.3414
ISSUED FOR CONSTRUCTION	08JAN21	www.andregillengineering.com
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CONSULTANTS

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Andre Gill Engineering, LLC

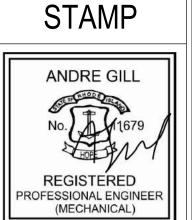
Aharonian & Associates, Inc.

40 Overlea Road
North Smithfield, RI 02896

ARCHITECT:
Aharonian & Associates, Inc.

310 Washington Hwy Suite 100
Smithfield, RI 02917

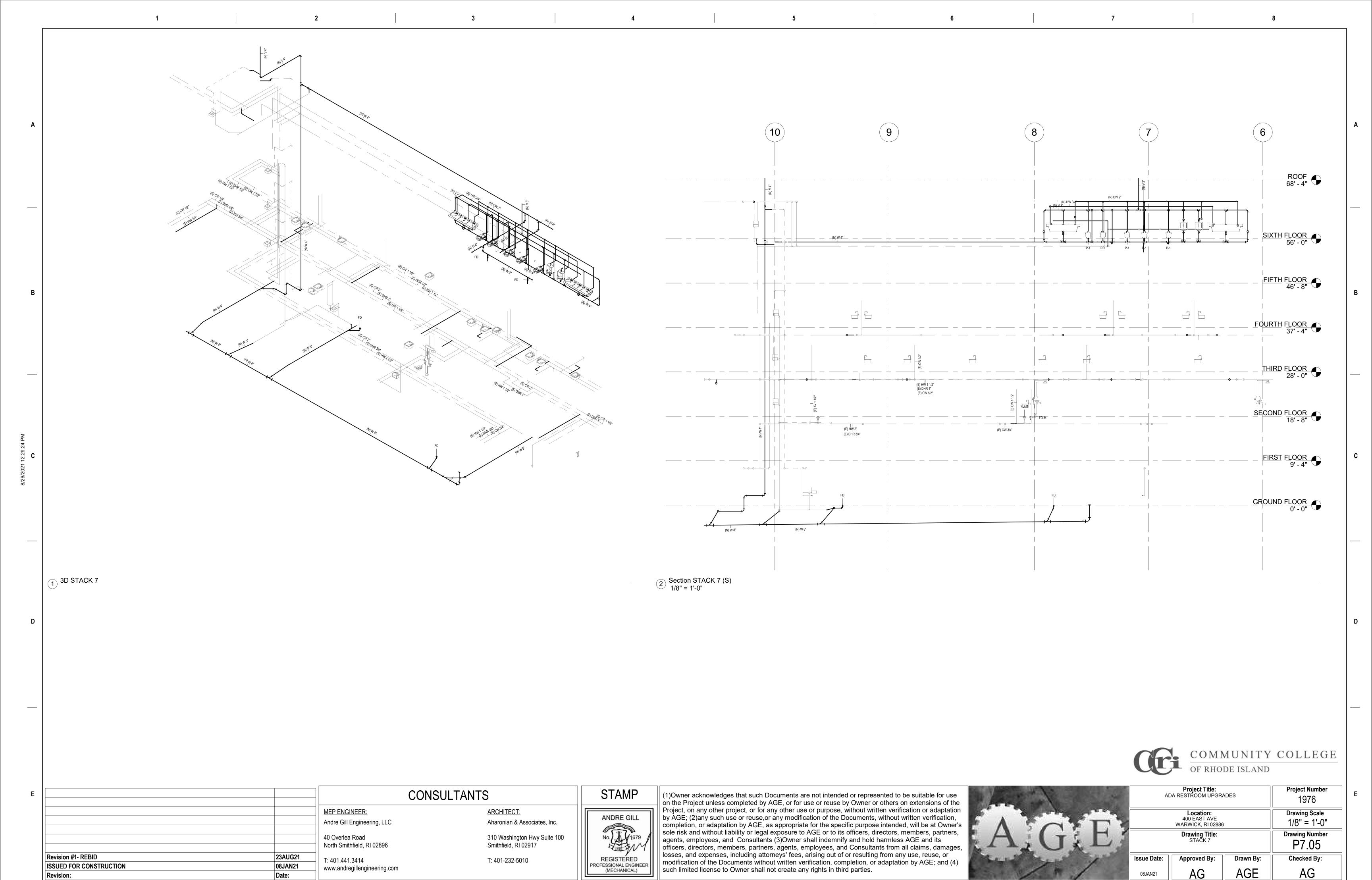
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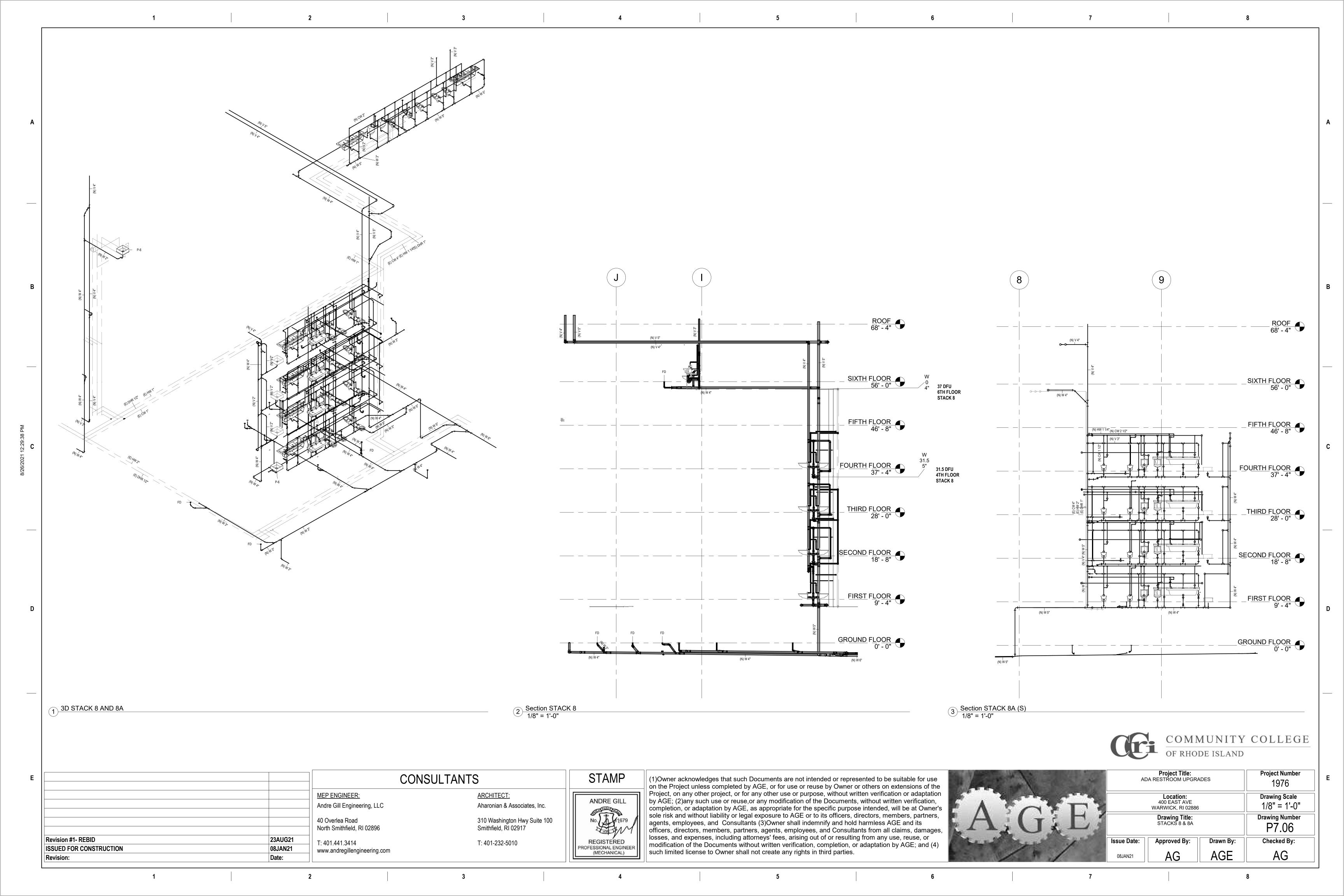


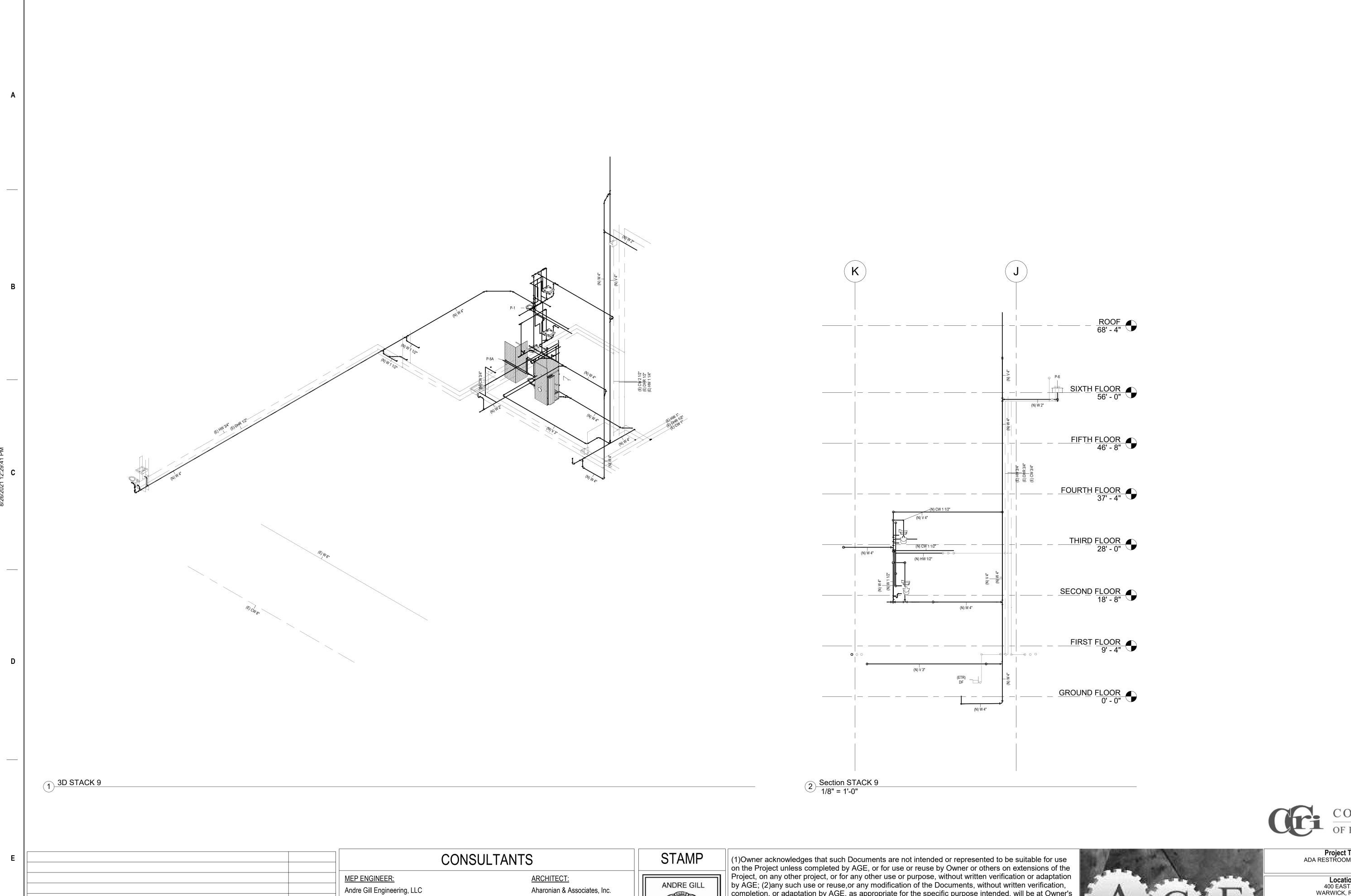
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Project Title: ADA RESTROOM UPGRADES		Project Number 1976	
Location: 400 EAST AVE WARWICK, RI 02886		Drawing Scale 1/8" = 1'-0"	
Drawing Title: STACK 6		Drawing Number P7.04	
Issue Date:	Approved By:	Drawn By:	Checked By:
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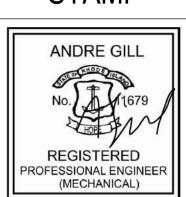


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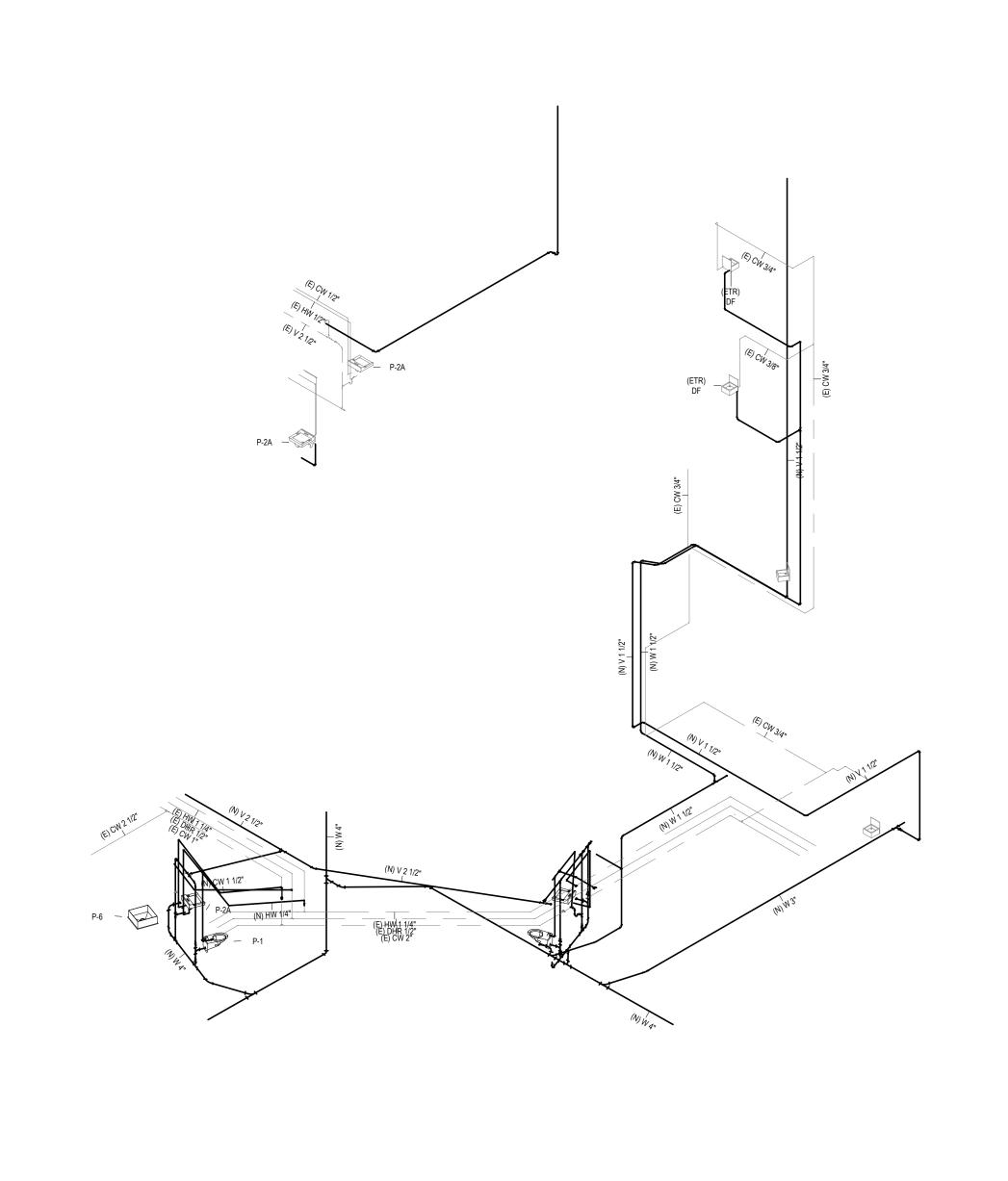
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Project Title: ADA RESTROOM UPGRADES		Project Number 1976	
Location: 400 EAST AVE WARWICK, RI 02886		Drawing Scale 1/8" = 1'-0"	
Drawing Title: STACK 9		Drawing Number P7.07	
Issue Date:	Approved By:	Drawn By:	Checked By:
08JAN21	AG	AGE	AG



23AUG21

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1 3D STACK 10

Revision #1- REBID

ISSUED FOR CONSTRUCTION

SIXTH FLOOR 56' - 0" FOURTH FLOOR

2 Section STACK 10 (S) 1/8" = 1'-0"

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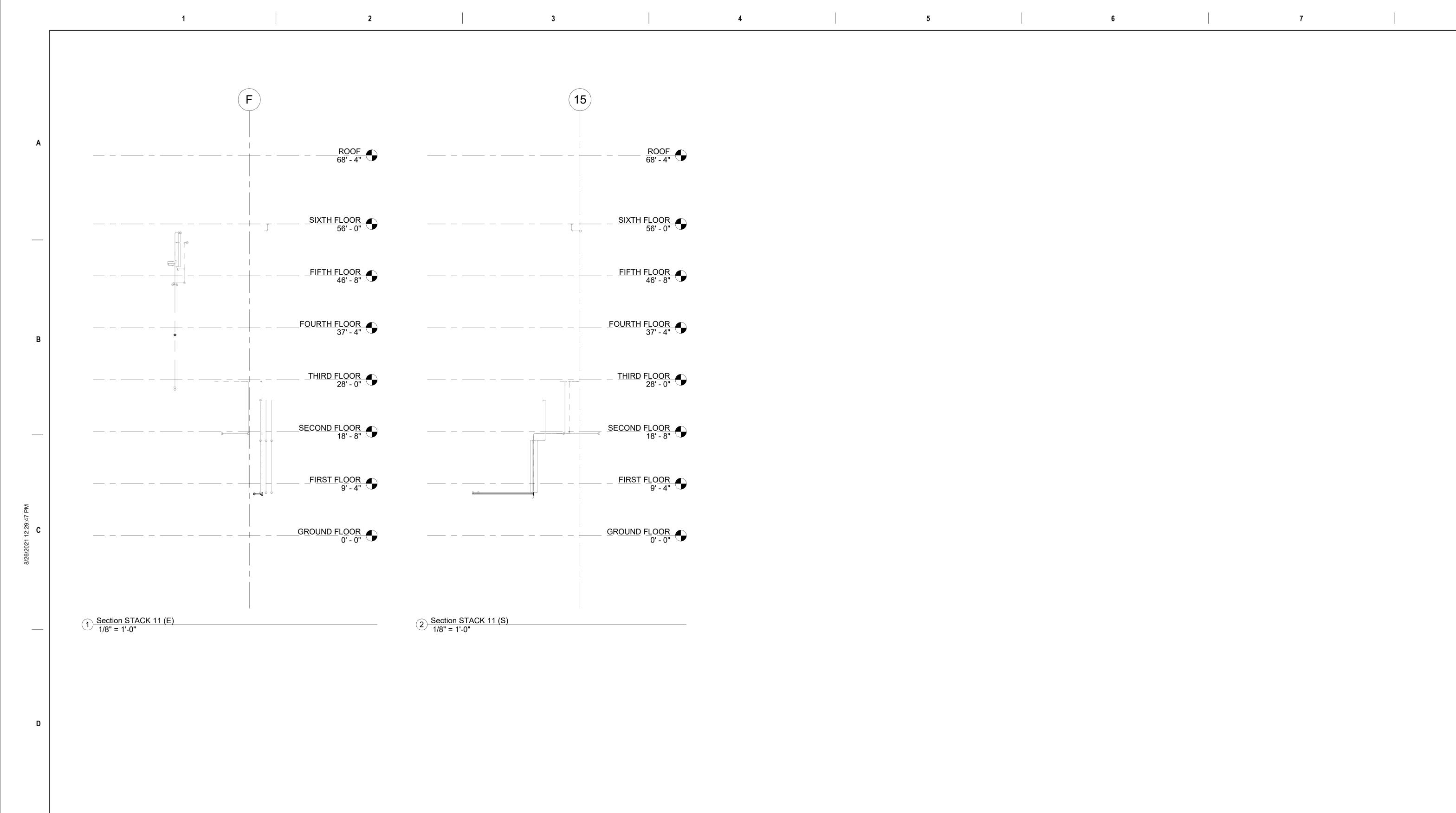
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Project Title: ADA RESTROOM UPGRADES		Project Number 1976	
Location: 400 EAST AVE WARWICK, RI 02886		Drawing Scale 1/8" = 1'-0"	
Drawing Title: STACK 10		Drawing Number P7.08	
Issue Date:	Approved By:	Drawn By:	Checked By:
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CONSULTANTS

MEP ENGINEER:
Andre Gill Engineering, LLC

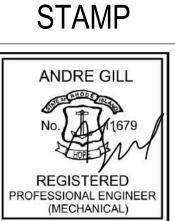
40 Overlea Road
North Smithfield, RI 02896

T: 401.441.3414
www.andregillengineering.com

ARCHITECT:
Aharonian & Associates, Inc.

310 Washington Hwy Suite 100
Smithfield, RI 02917

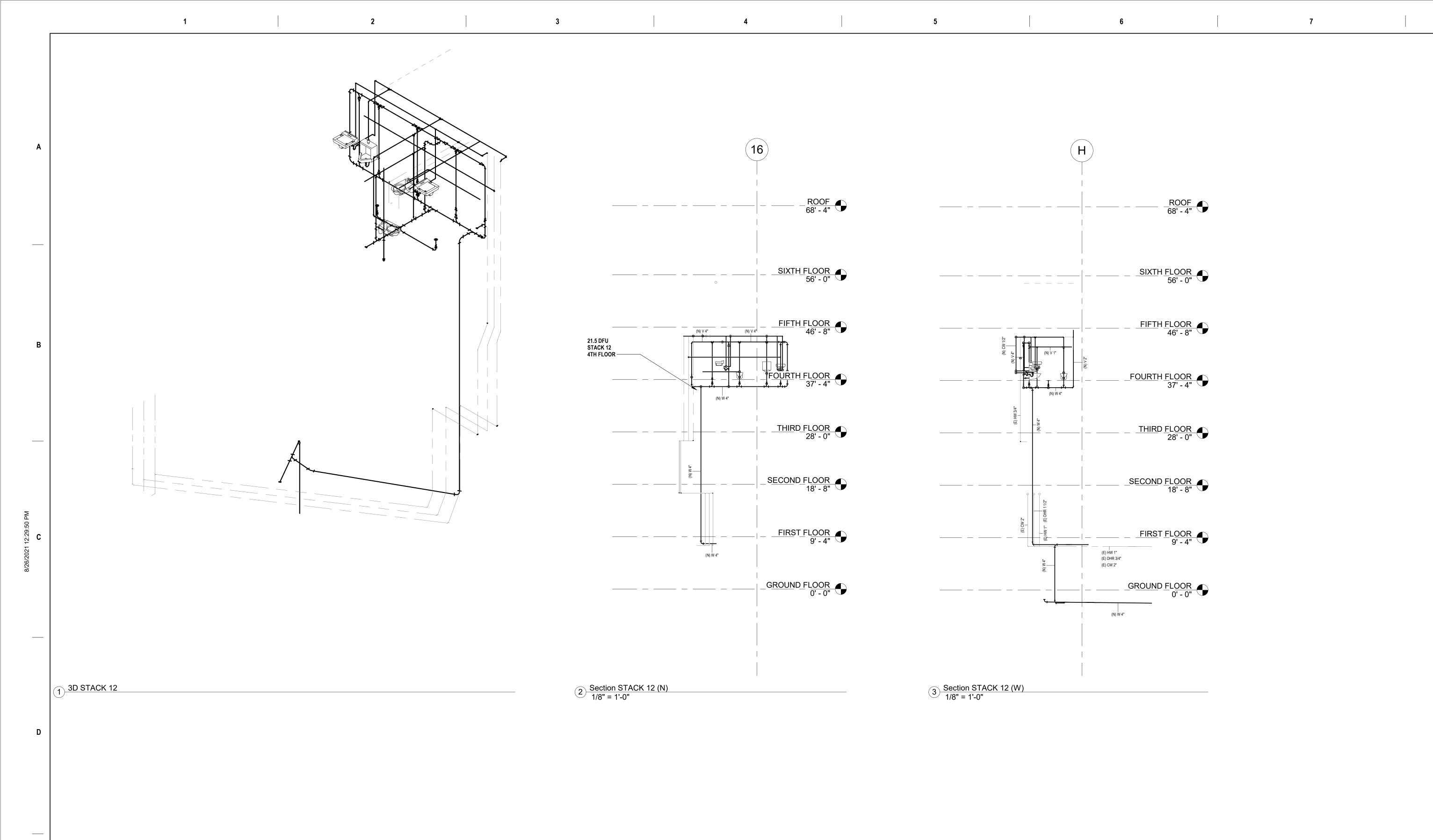
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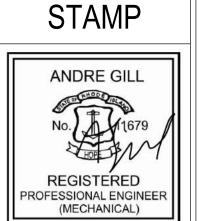
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Location: 400 EAST AVE WARWICK, RI 02886		Drawing Scale 1/8" = 1'-0"	
Drawing Title: STACK 11		Drawing Number P7.09	
Issue Date:	Approved By:	Drawn By:	Checked By:
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		MEP ENGINEER:
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		North Smithfield, RI 02896
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ISSUED FOR CONSTRUCTION	08JAN21	www.andregillengineering.com
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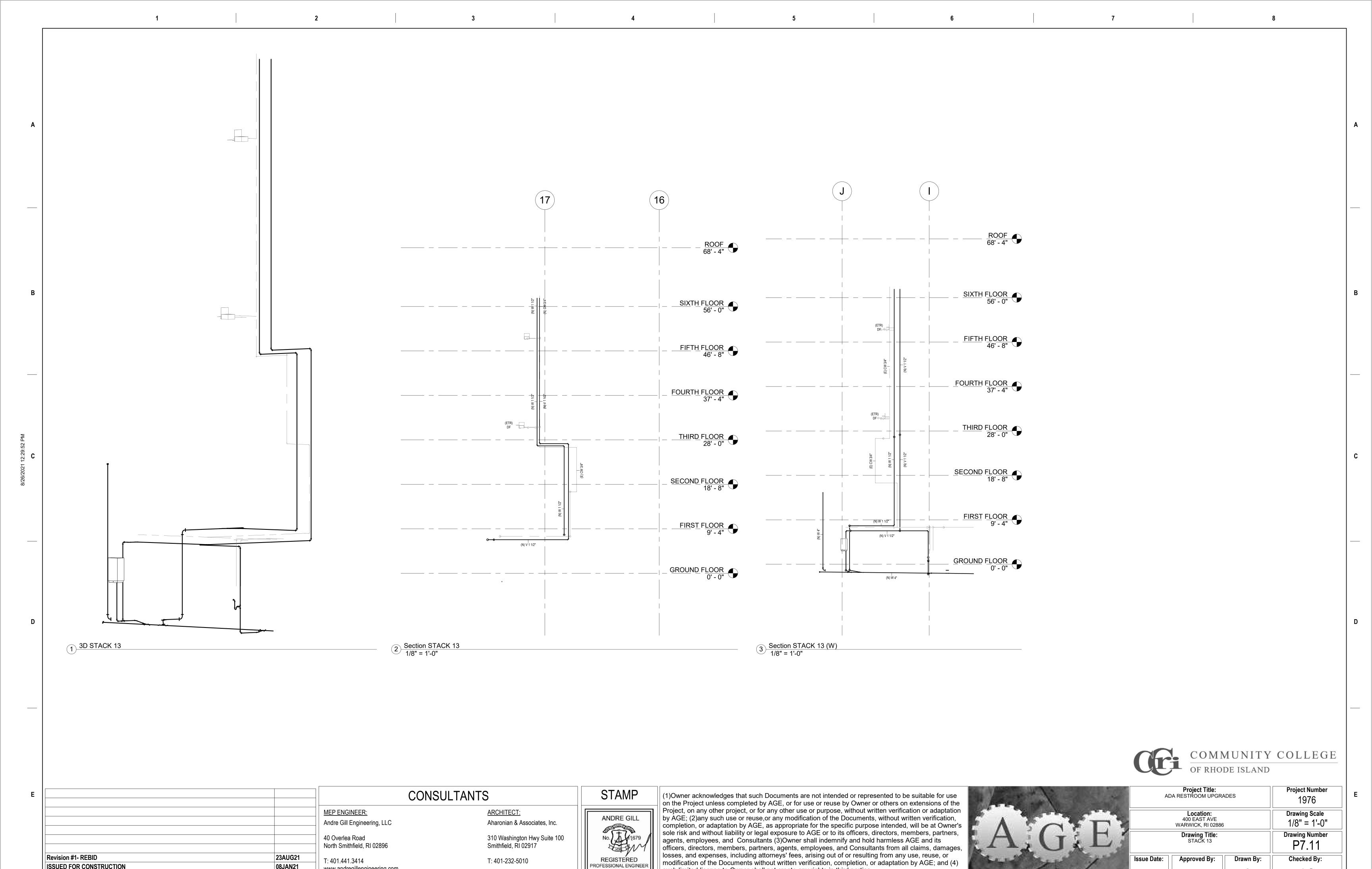
CONSULTANTS ARCHITECT: Andre Gill Engineering, LLC Aharonian & Associates, Inc. 310 Washington Hwy Suite 100 Smithfield, RI 02917 North Smithfield, RI 02896 T: 401-232-5010



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Project Title: ADA RESTROOM UPGRADES			Project Number 1976
Location: 400 EAST AVE WARWICK, RI 02886			Drawing Scale 1/8" = 1'-0"
Drawing Title: STACK 12			Drawing Number P7.10
Issue Date:	Approved By:	Drawn By:	Checked By:
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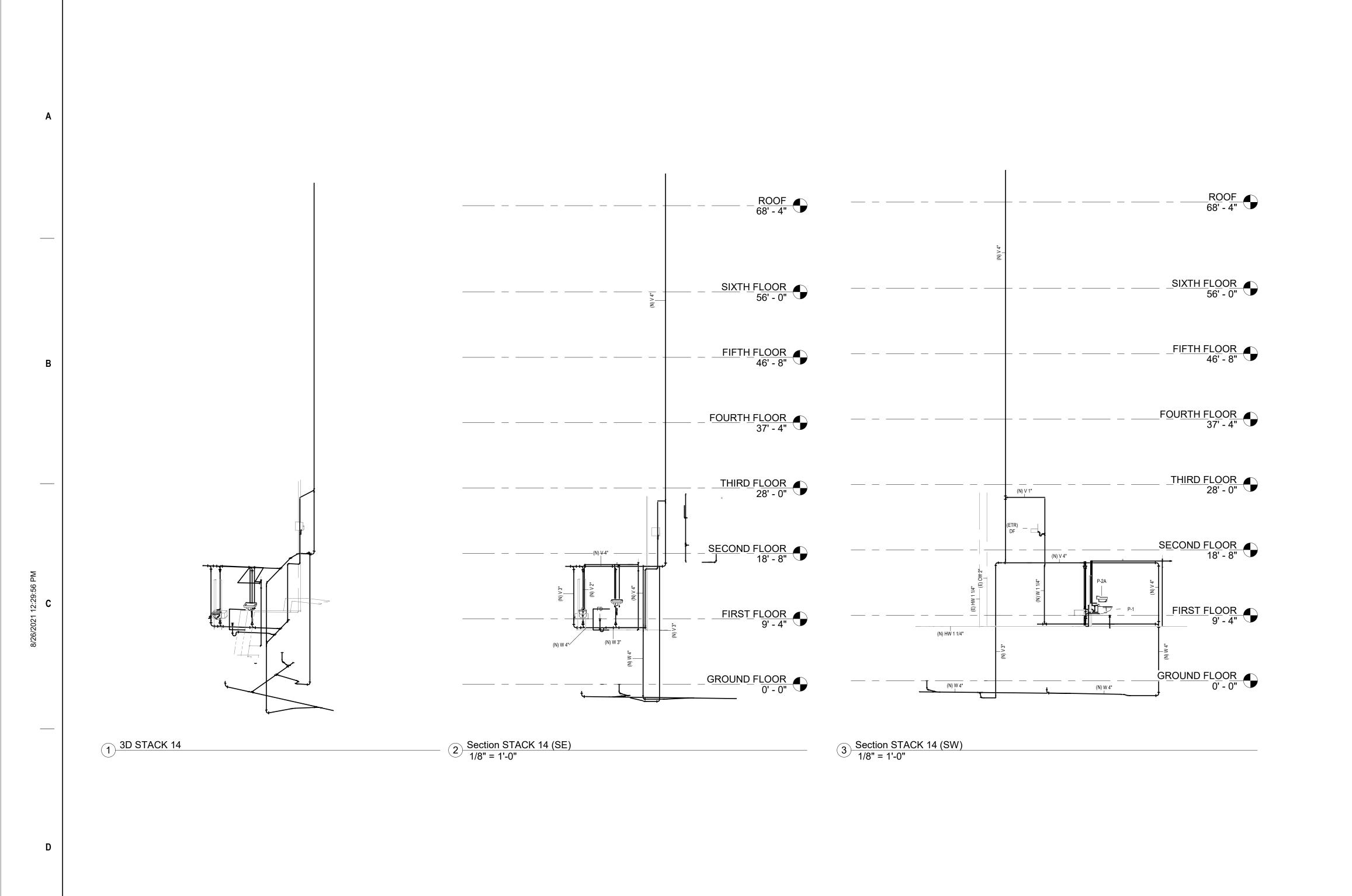
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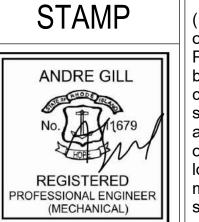
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Smithfield, RI 02917

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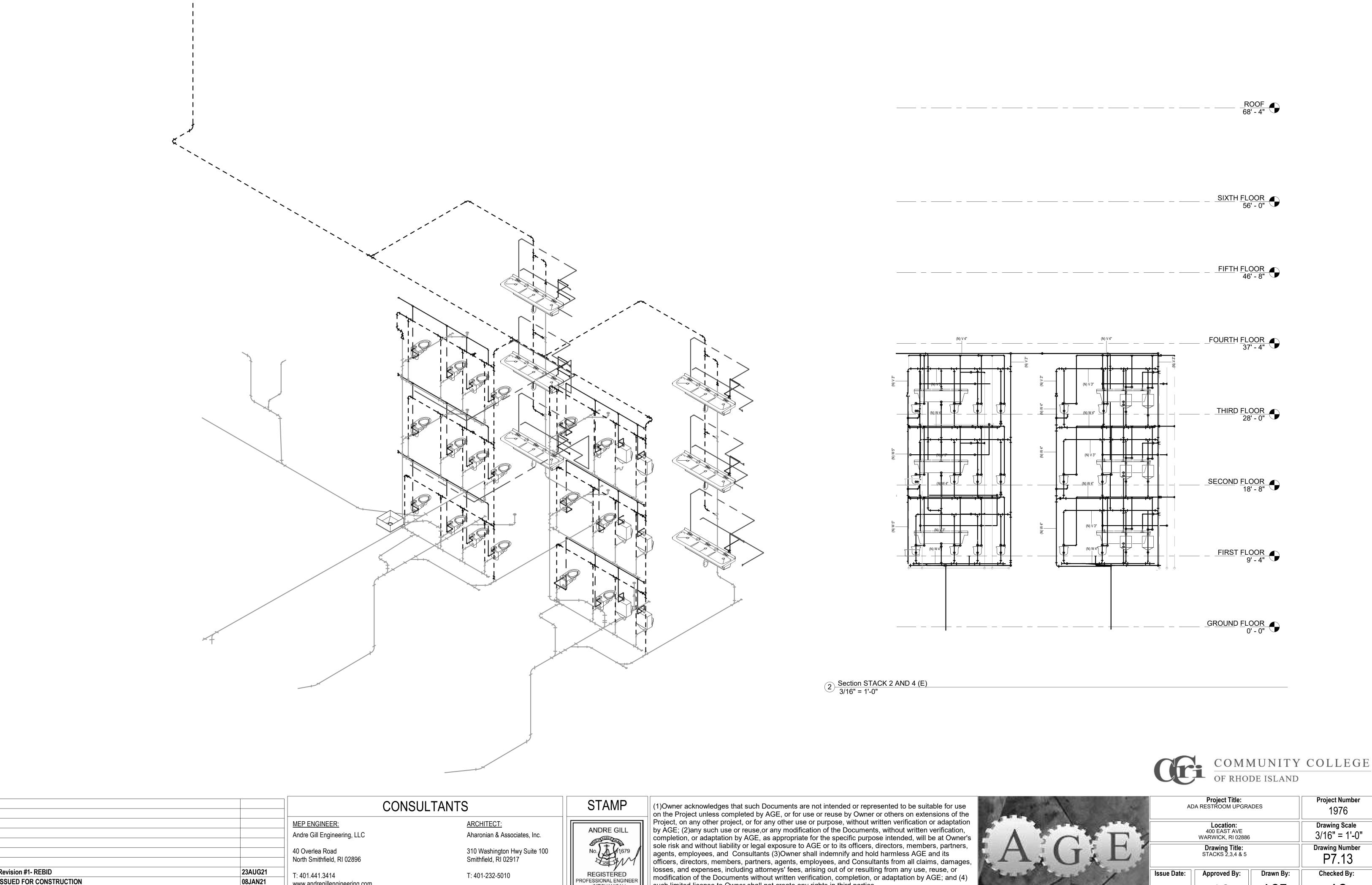


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	08JAN2

Project Title: ADA RESTROOM UPGRADES			Project Number 1976
Location: 400 EAST AVE WARWICK, RI 02886			Drawing Scale 1/8" = 1'-0"
Drawing Title: STACK 14			Drawing Number P7.12
Issue Date:	Approved By:	Drawn By:	Checked By:
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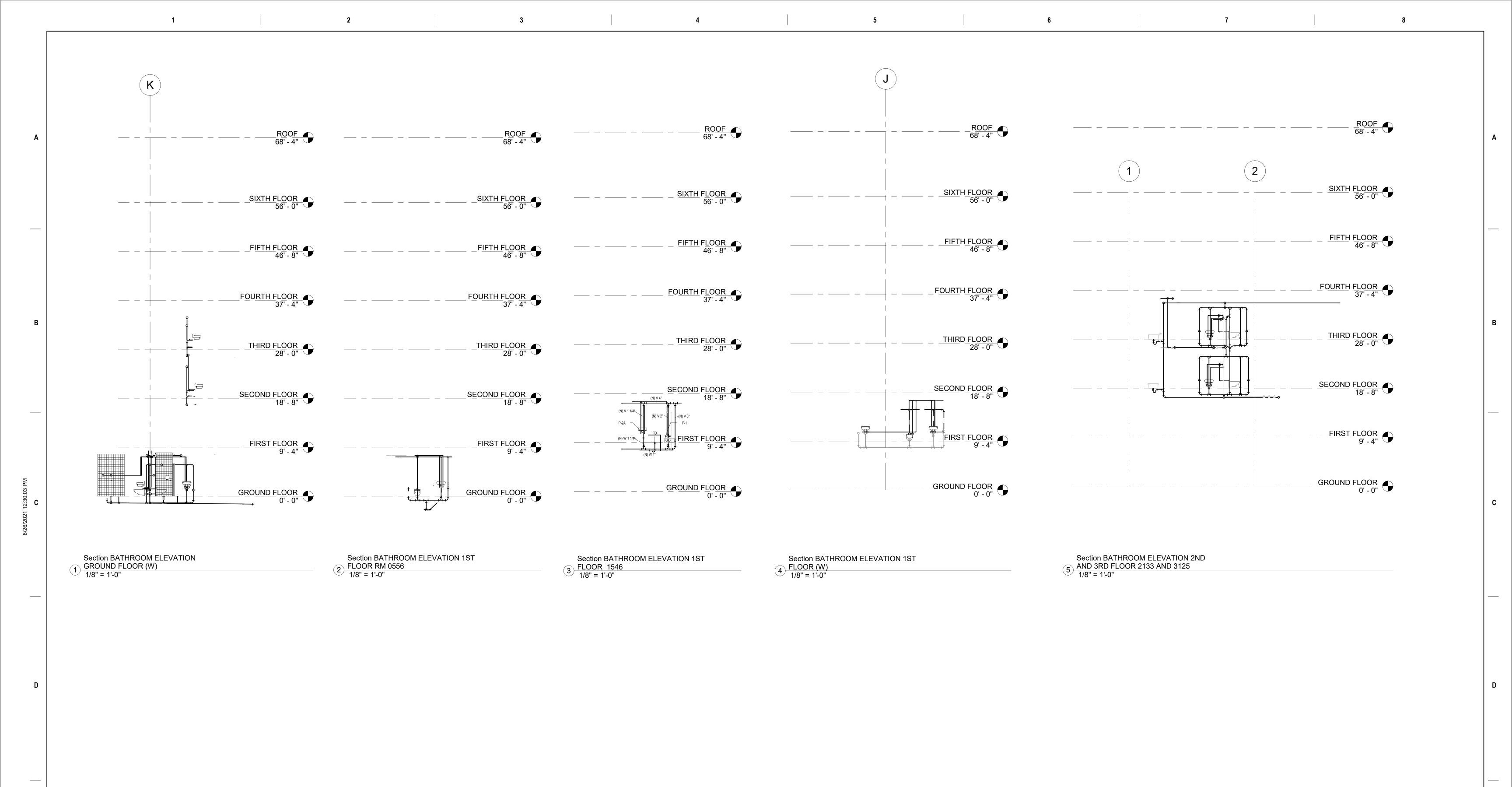
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Drawing Scale 3/16" = 1'-0" Drawing Number P7.13 Drawing Title: STACKS 2,3,4 & 5 Checked By: Drawn By: AGE



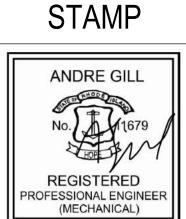
MEP ENGINEER: 23AUG21 Revision #1- REBID ISSUED FOR CONSTRUCTION 08JAN21

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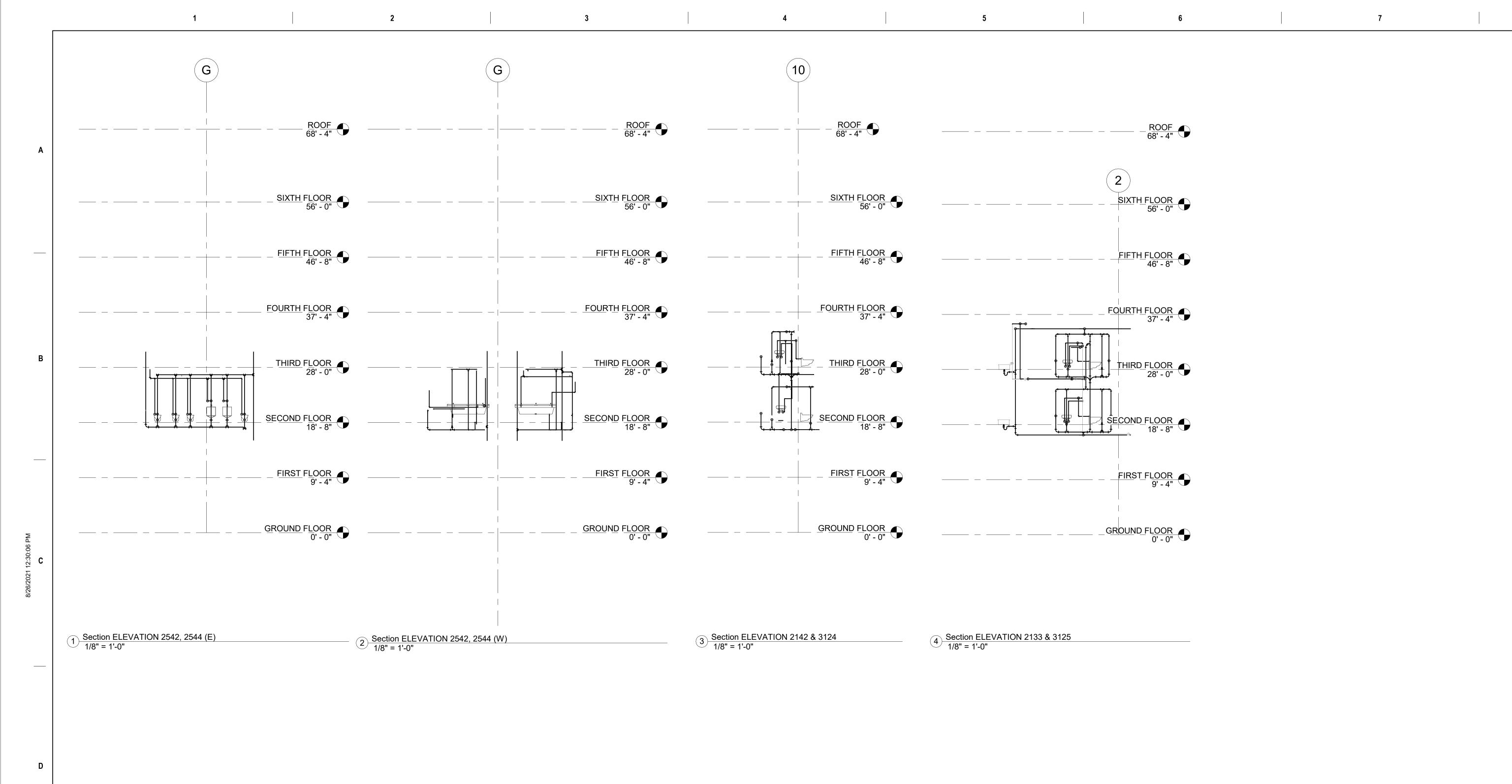
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Project Title: ADA RESTROOM UPGRADES			Project Number 1976
Location: 400 EAST AVE WARWICK, RI 02886			Drawing Scale 1/8" = 1'-0"
Drawing Title: ELEVATIONS G &1ST FLOORS			Drawing Number P8.00
Issue Date:	Approved By:	Drawn By:	Checked By:
08JAN21	AG	AGE	AG





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310 Washington Hwy Suite 100
Smithfield, RI 02917

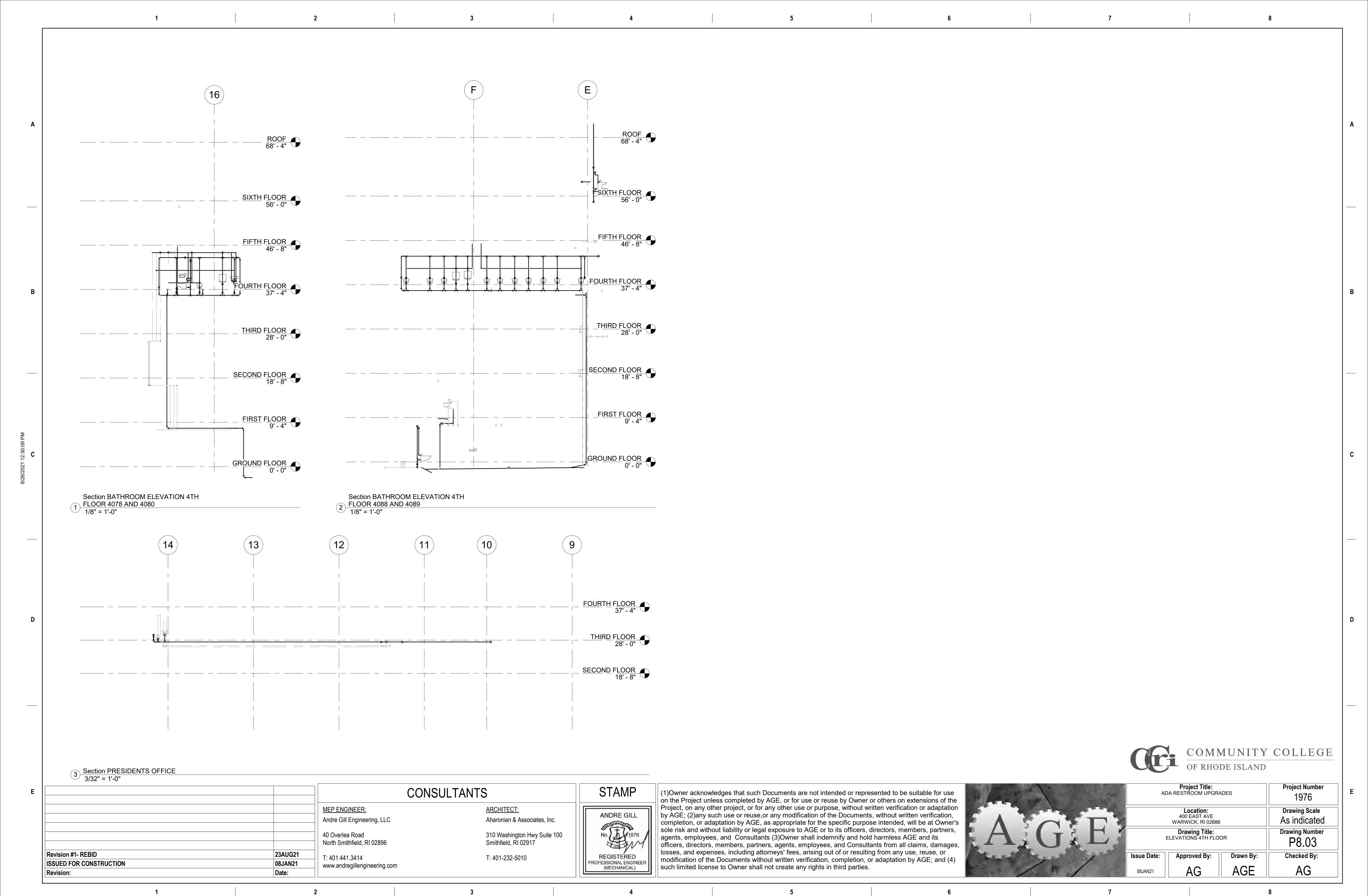
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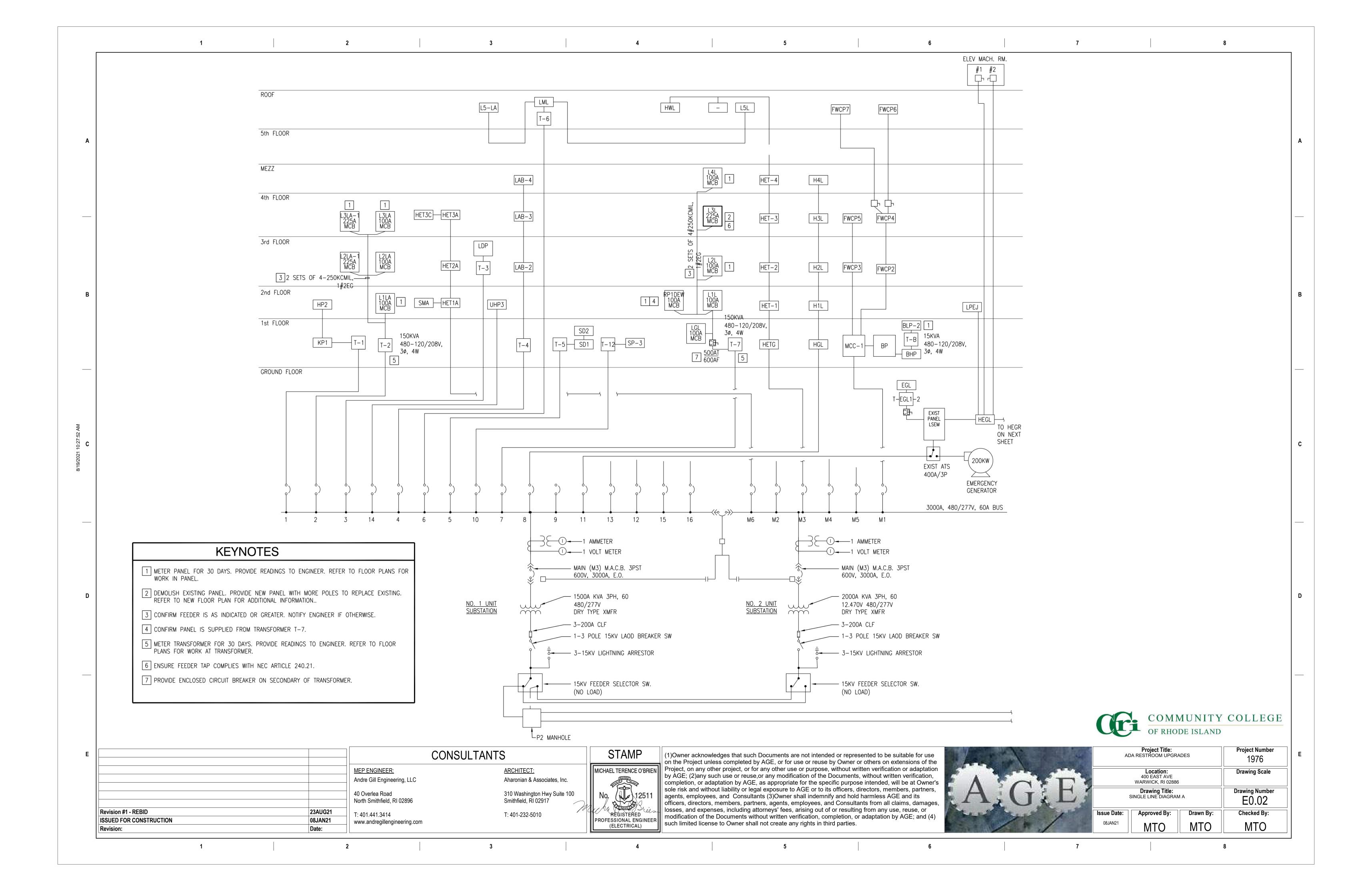


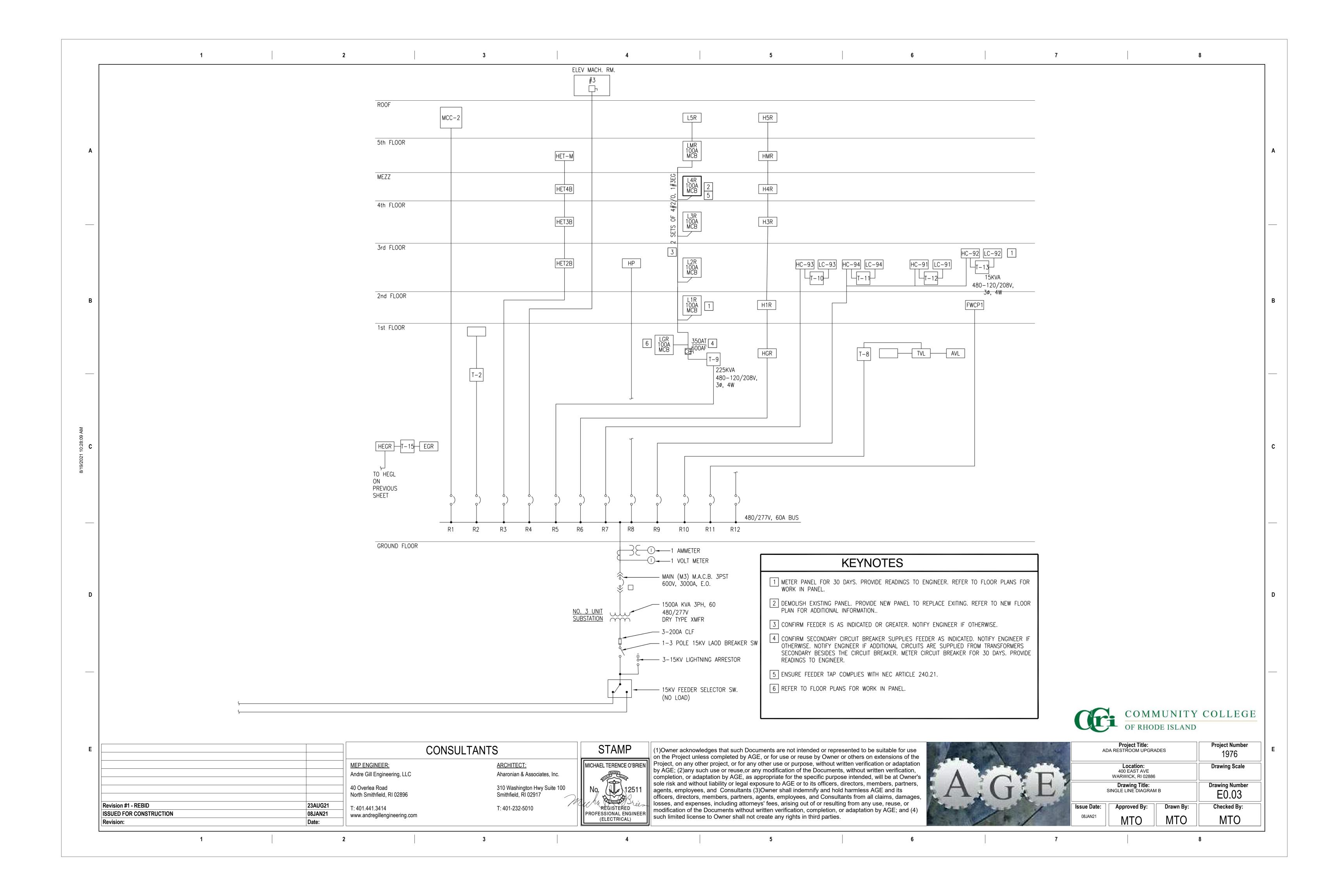
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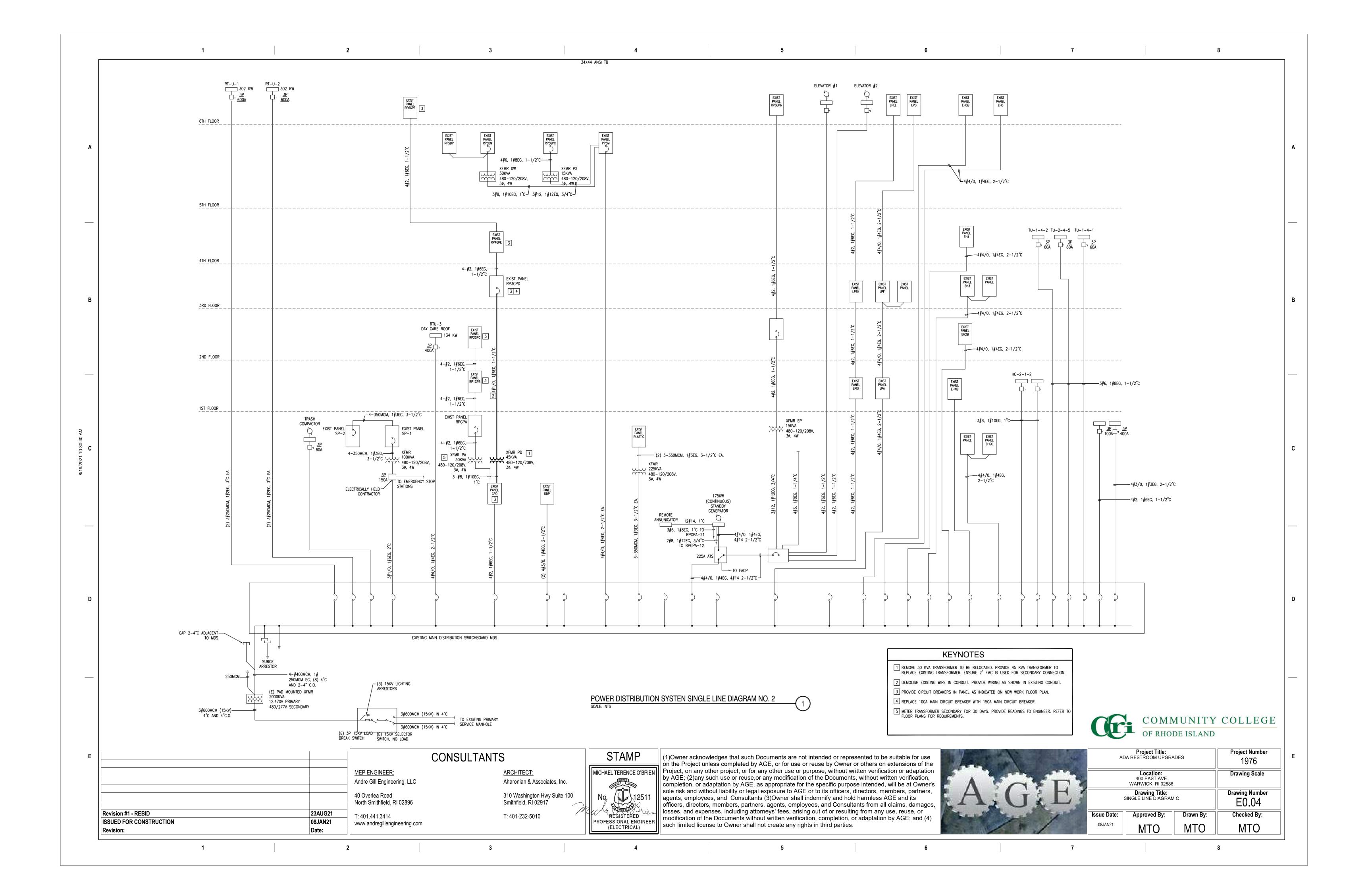
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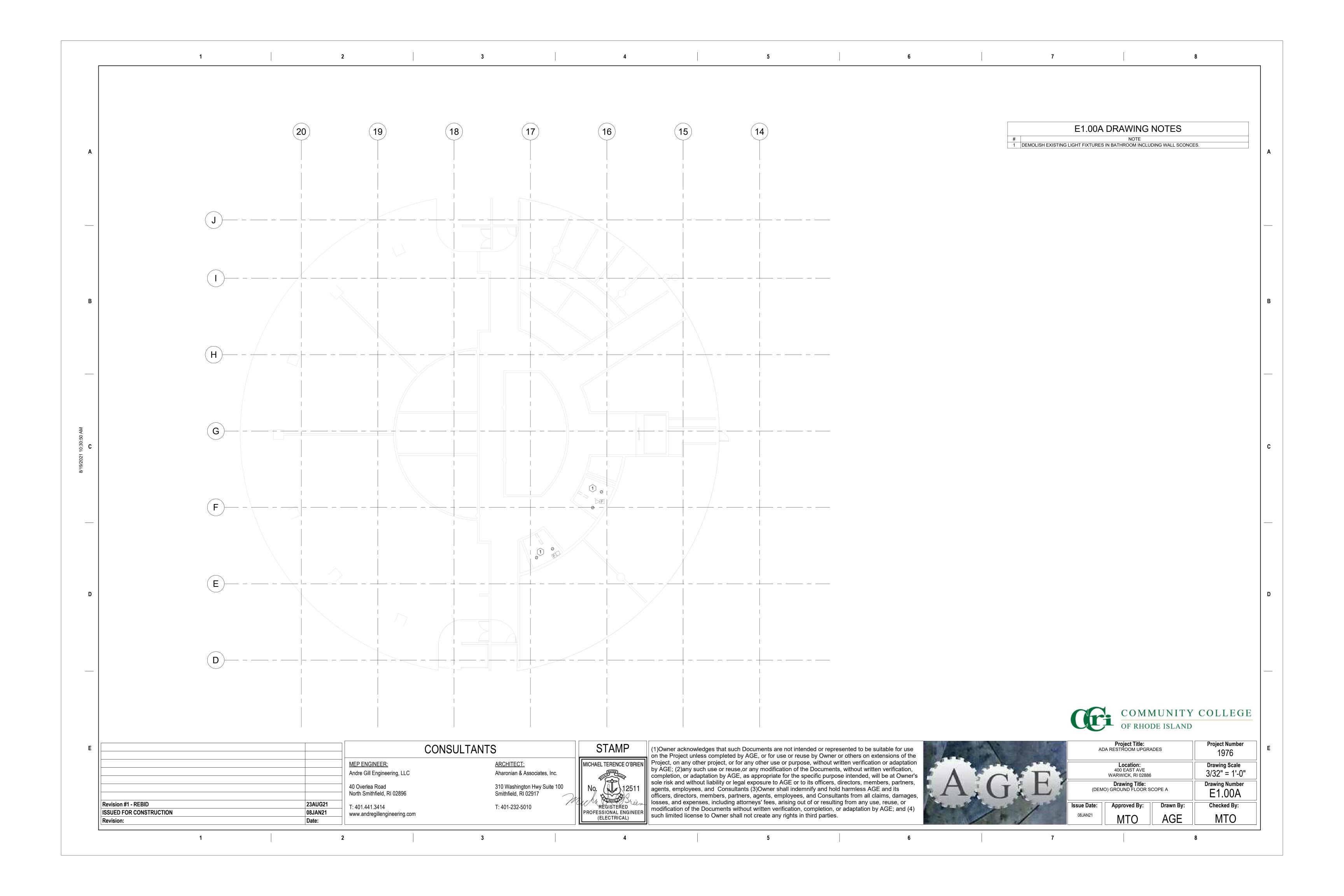
Project Title: ADA RESTROOM UPGRADES			Project Number 1976
Location: 400 EAST AVE WARWICK, RI 02886			Drawing Scale 1/8" = 1'-0"
Drawing Title: ELEVATIONS 2ND & 3RD FLOORS			Drawing Number P8.02
Issue Date:	Approved By:	Drawn By:	Checked By:
08JAN21	AG	AGE	AG

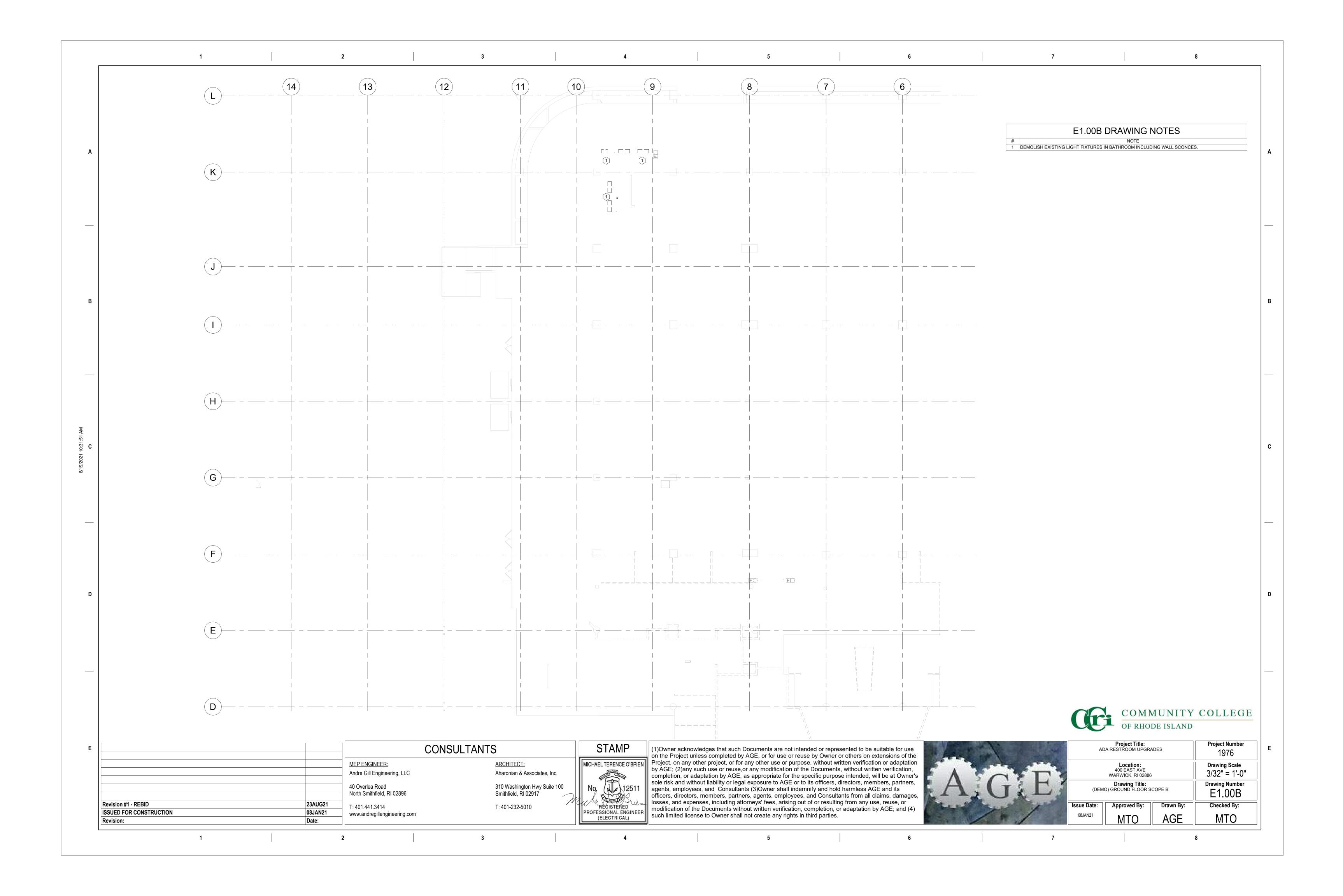


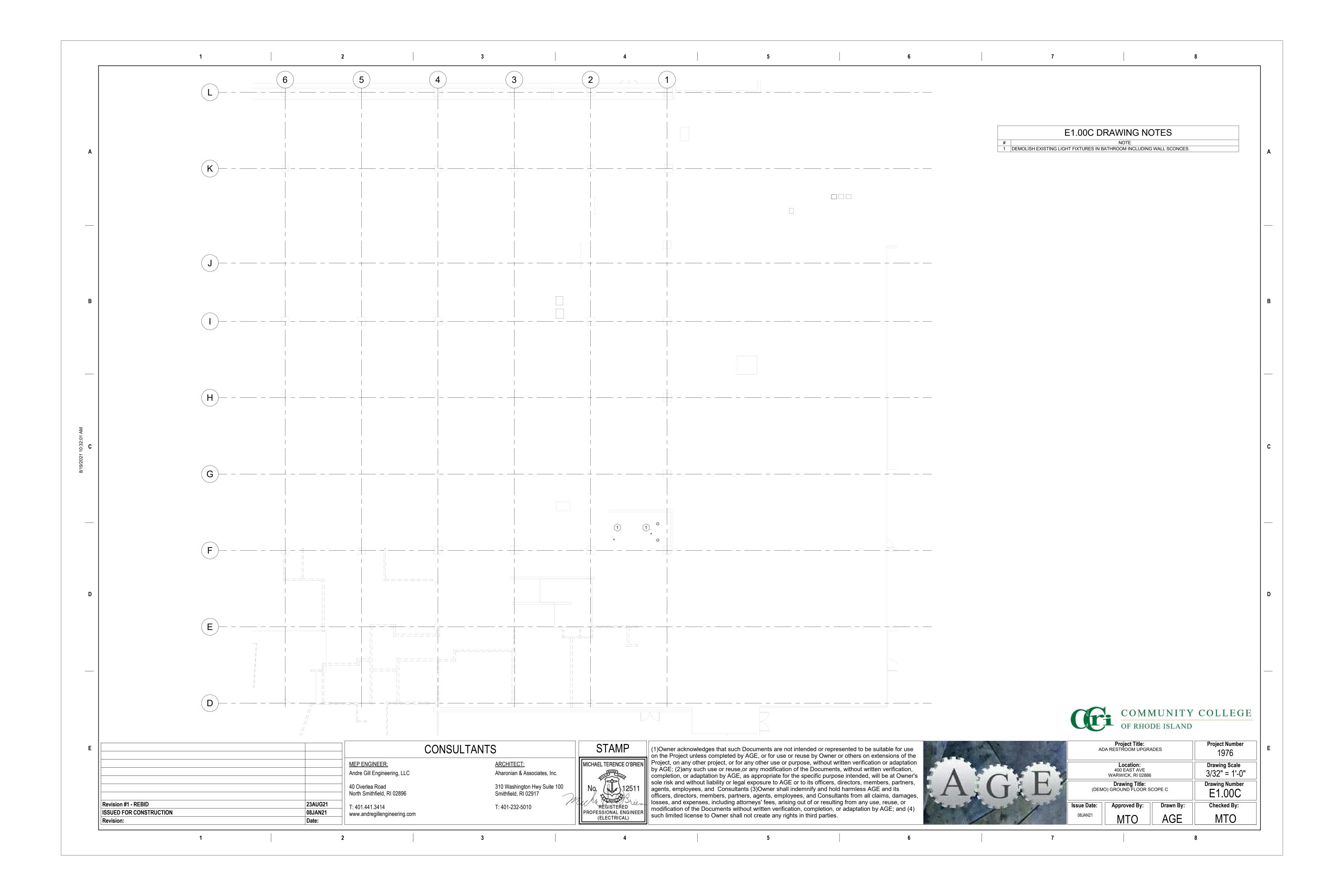


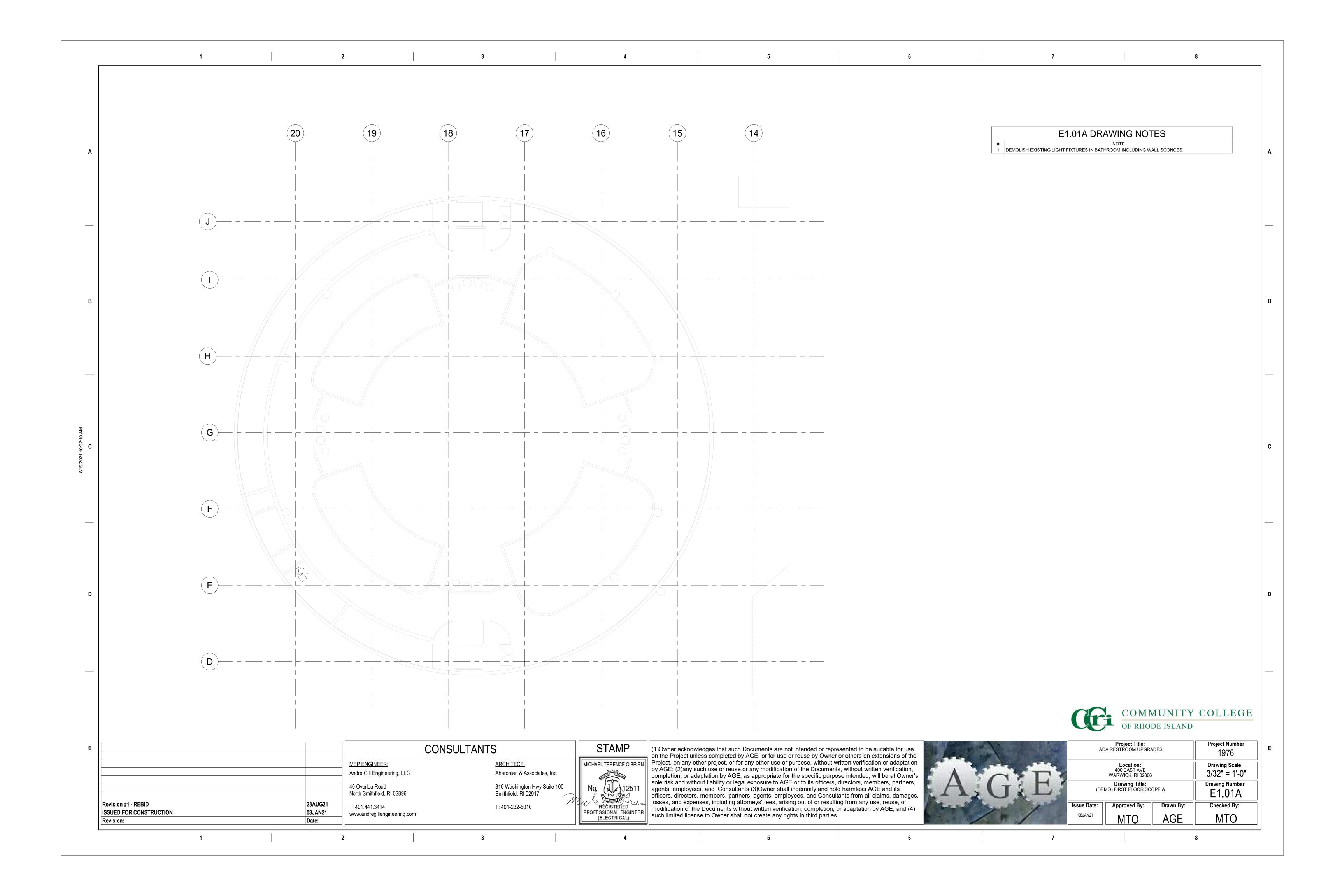


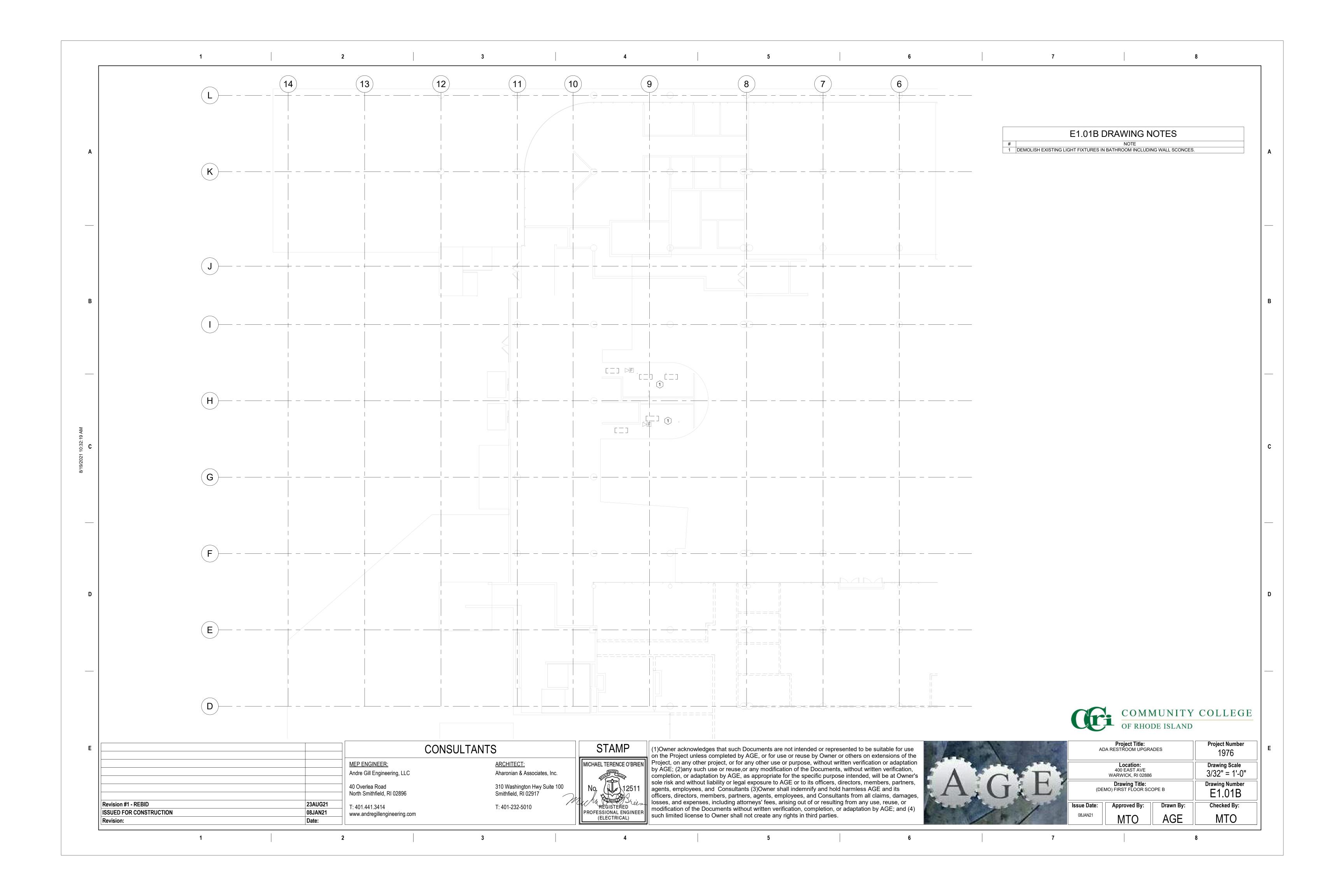


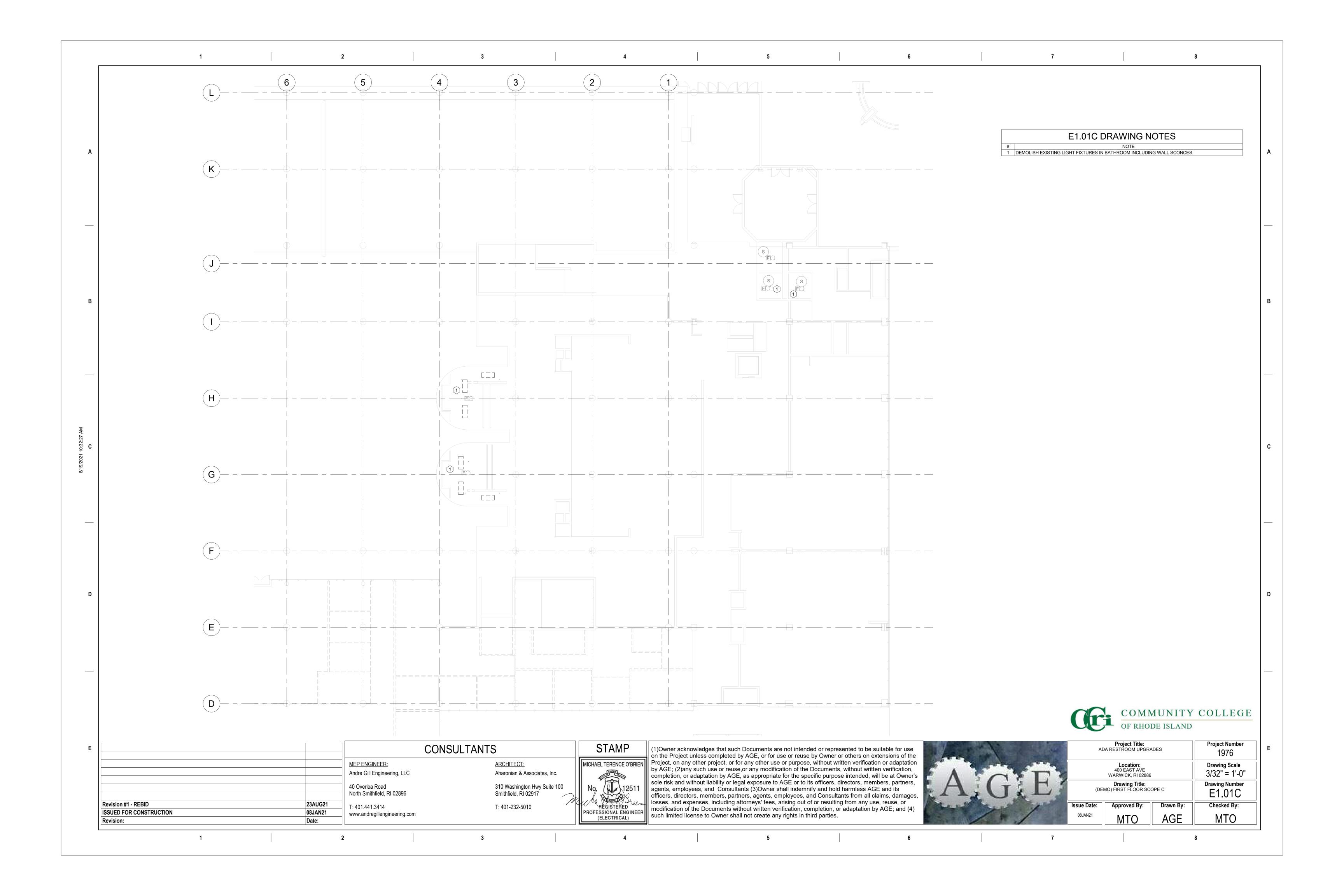


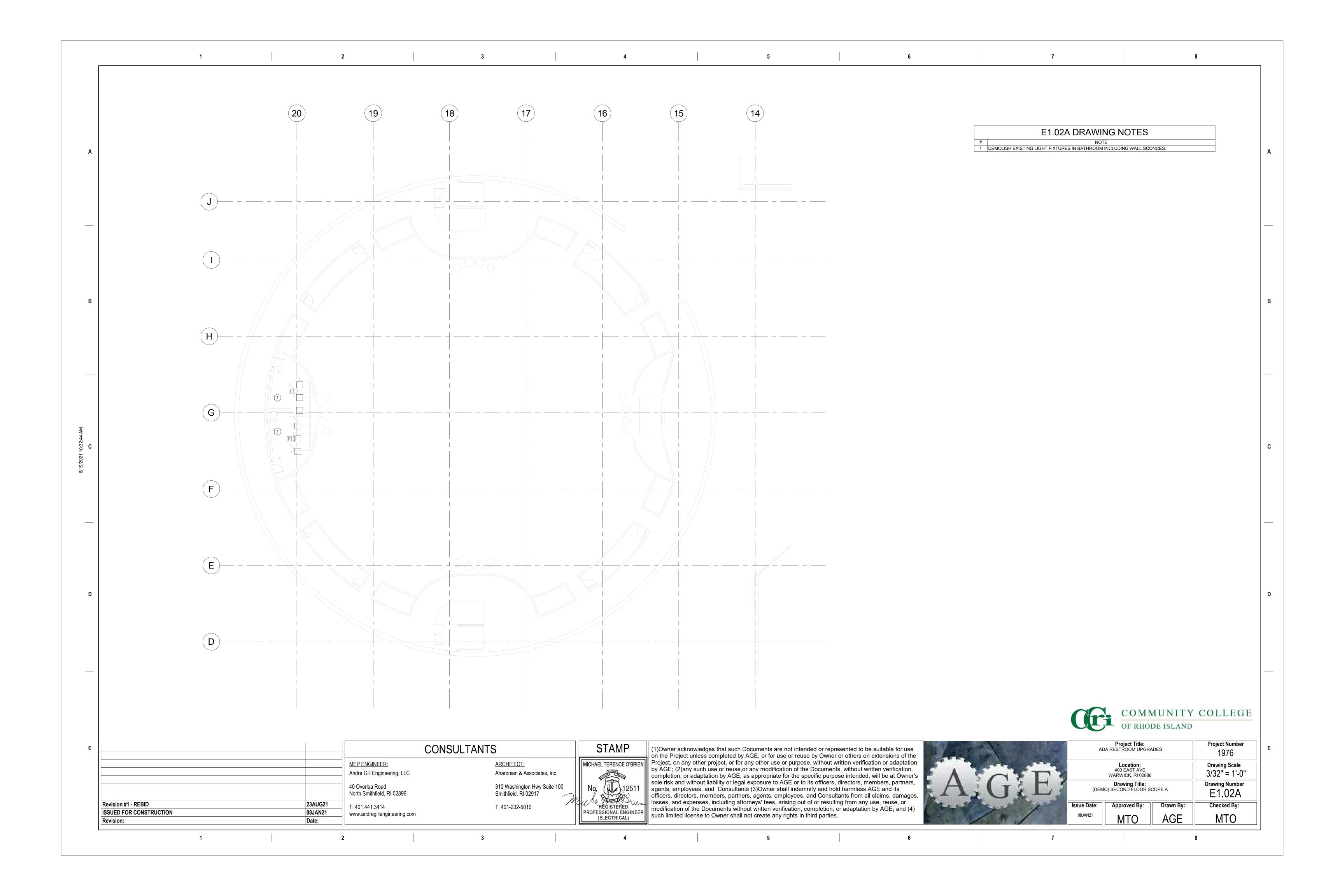


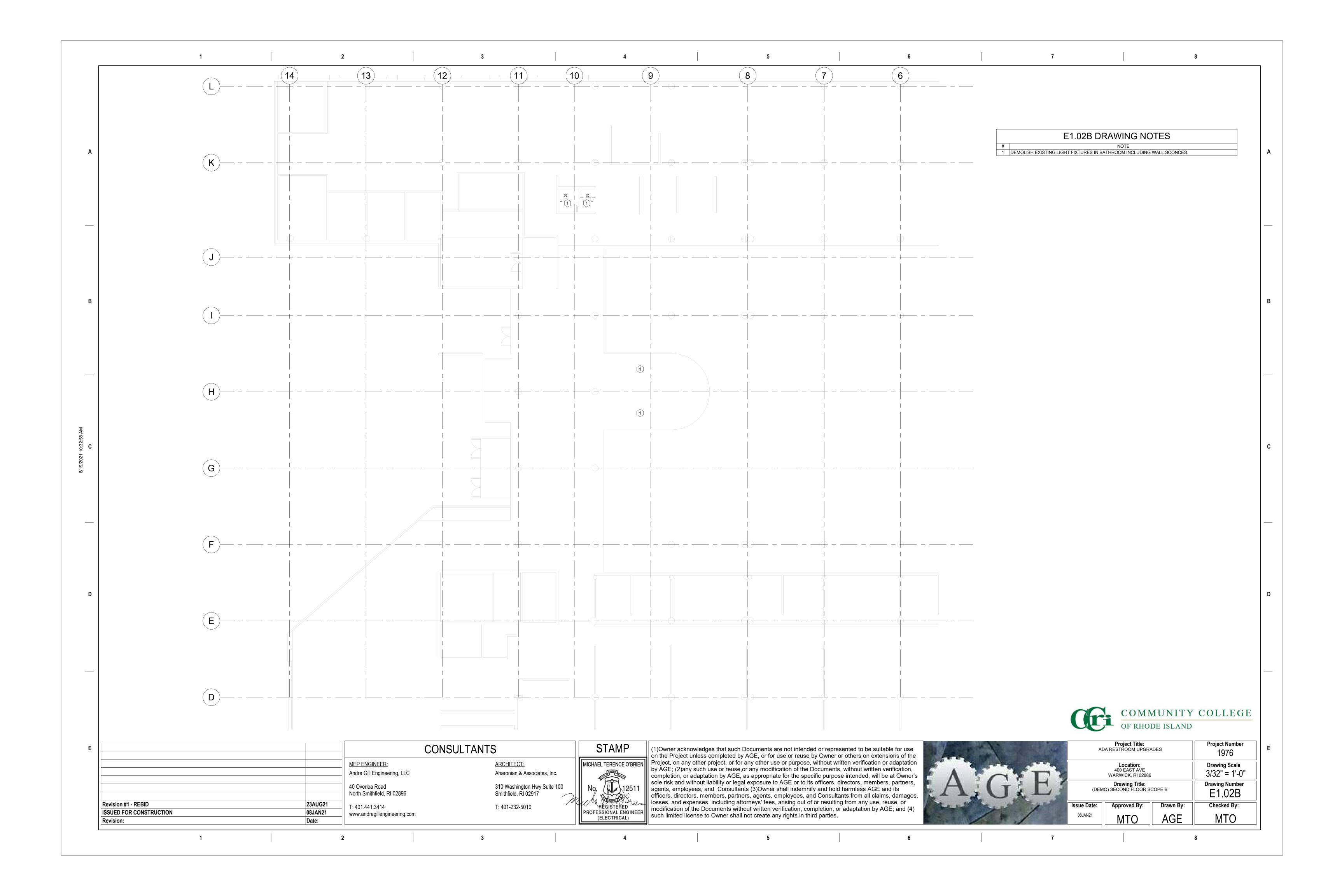


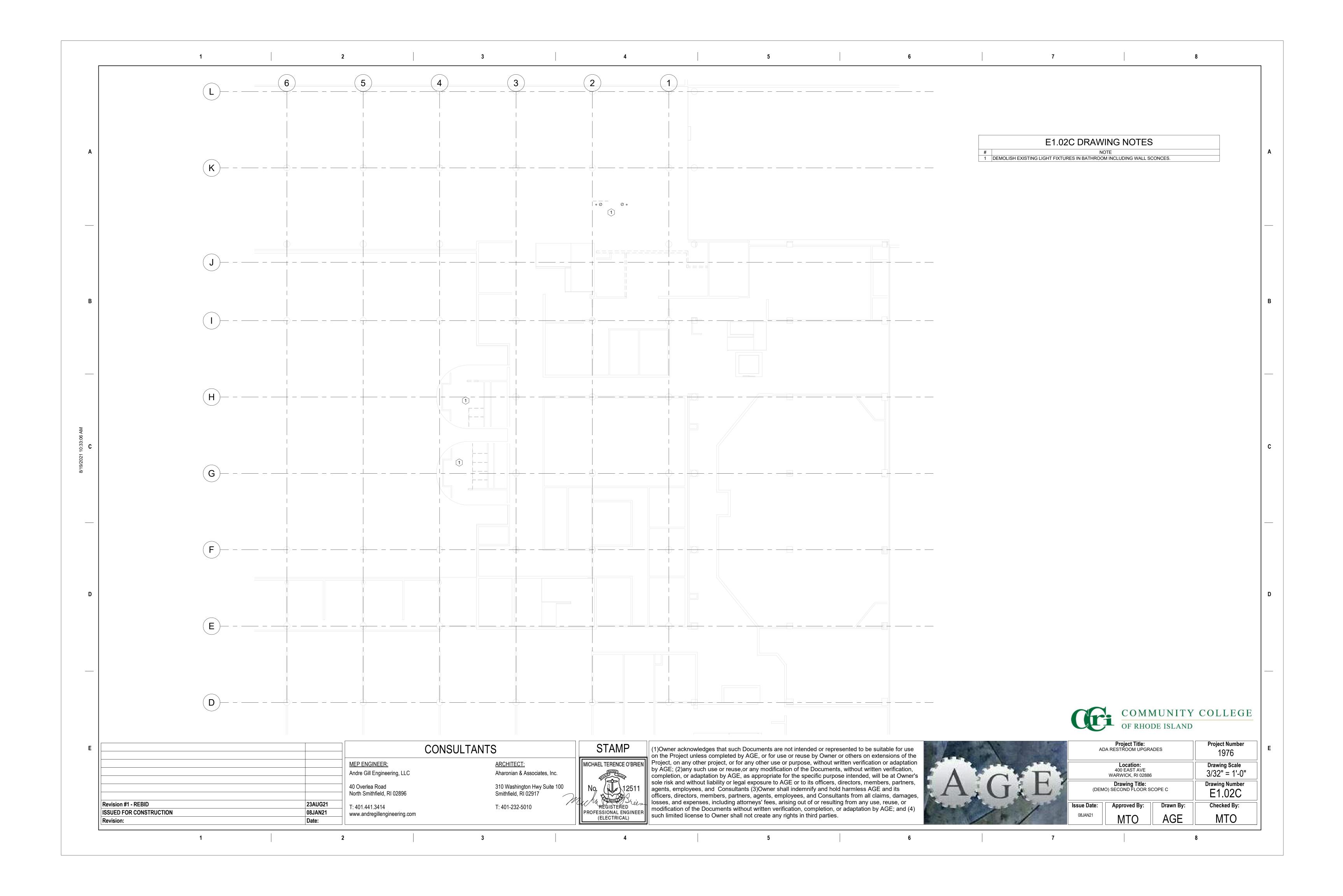


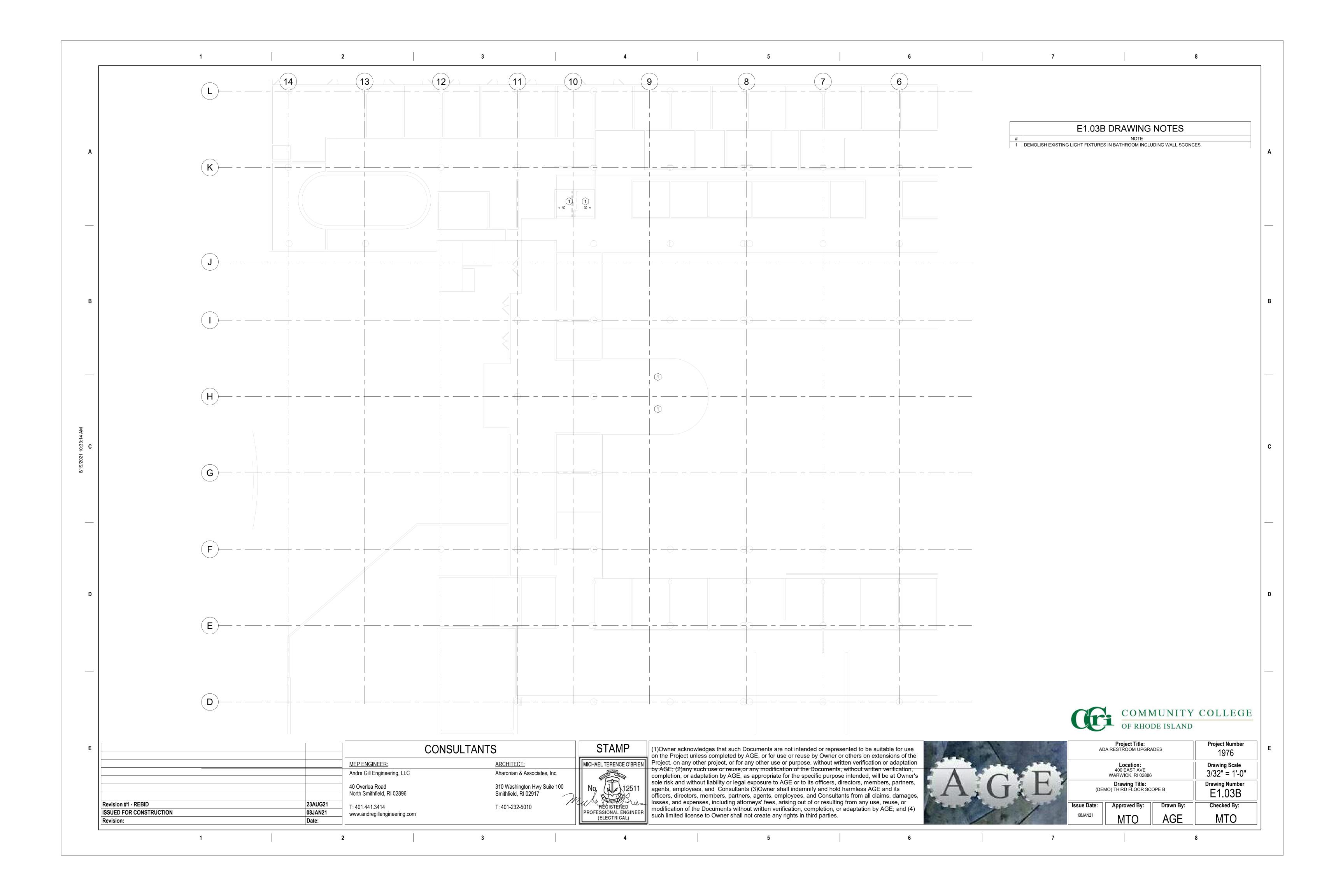


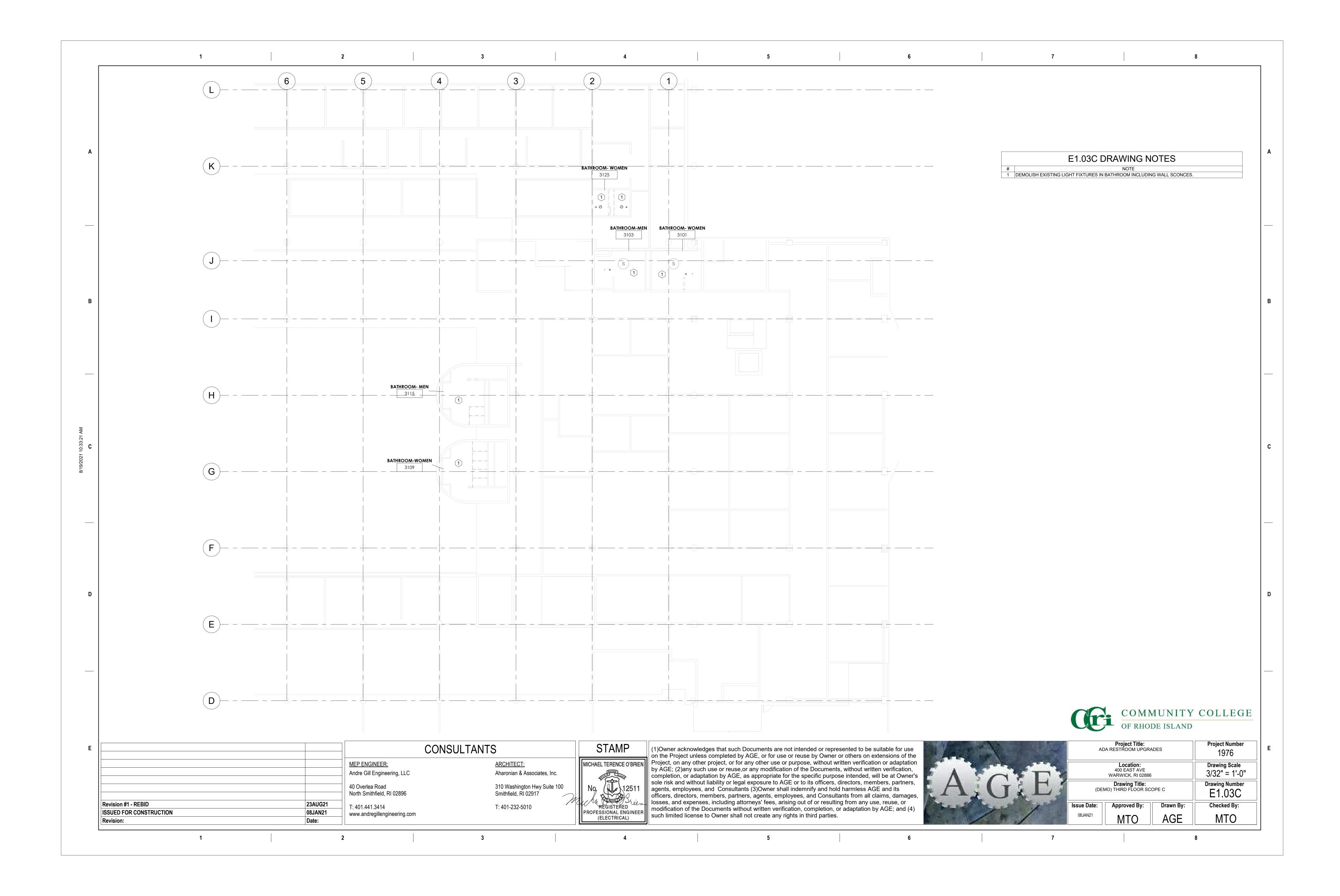


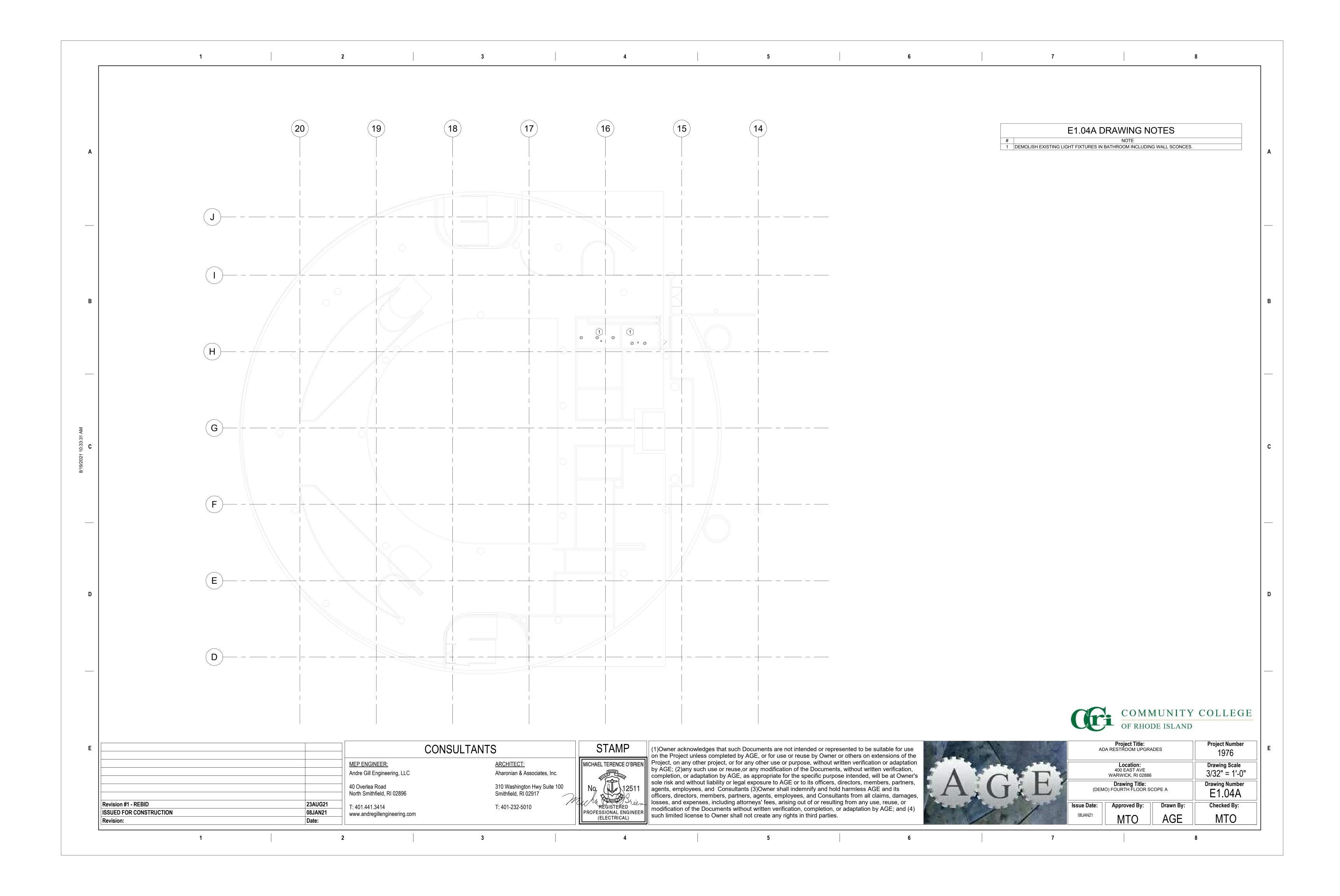


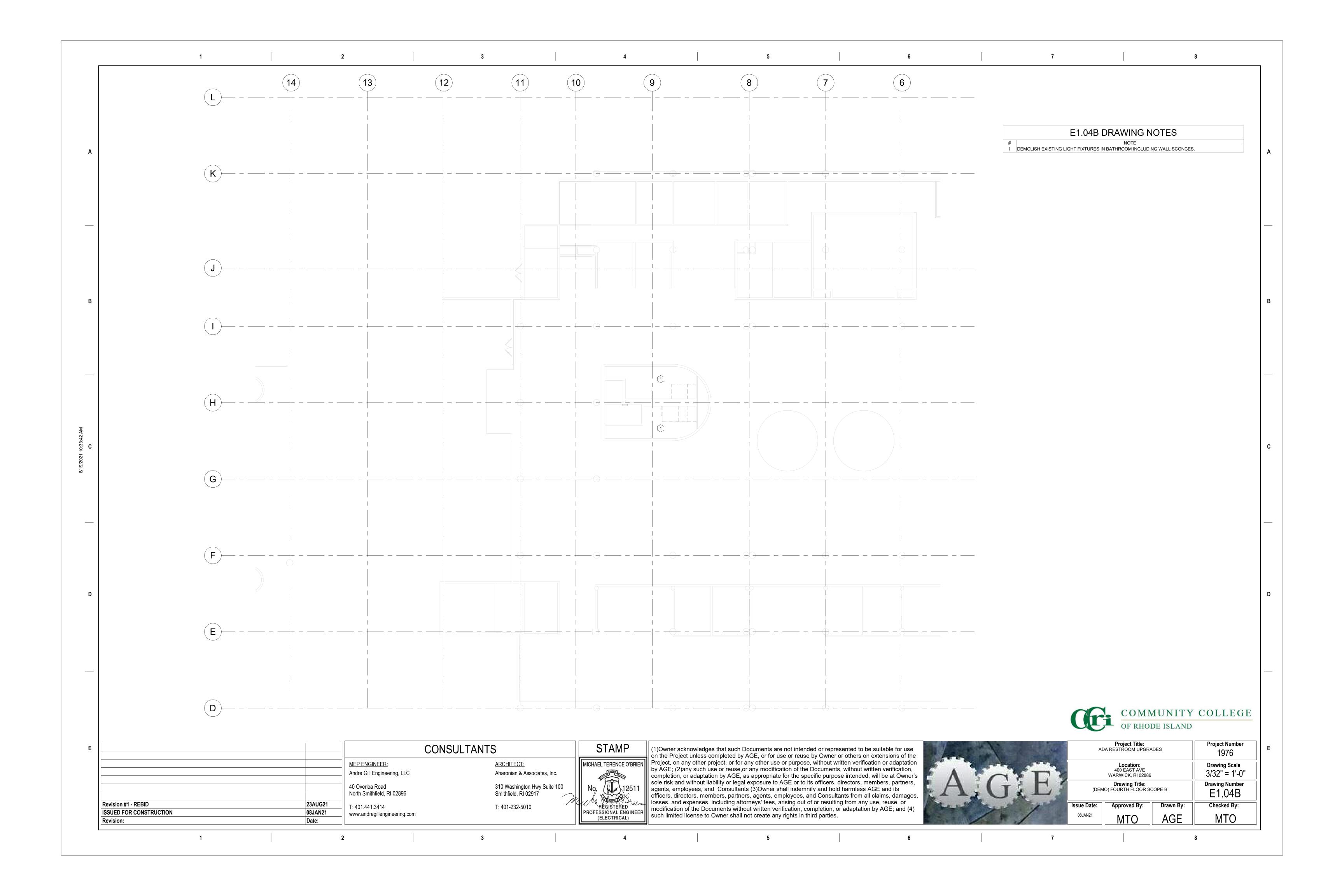


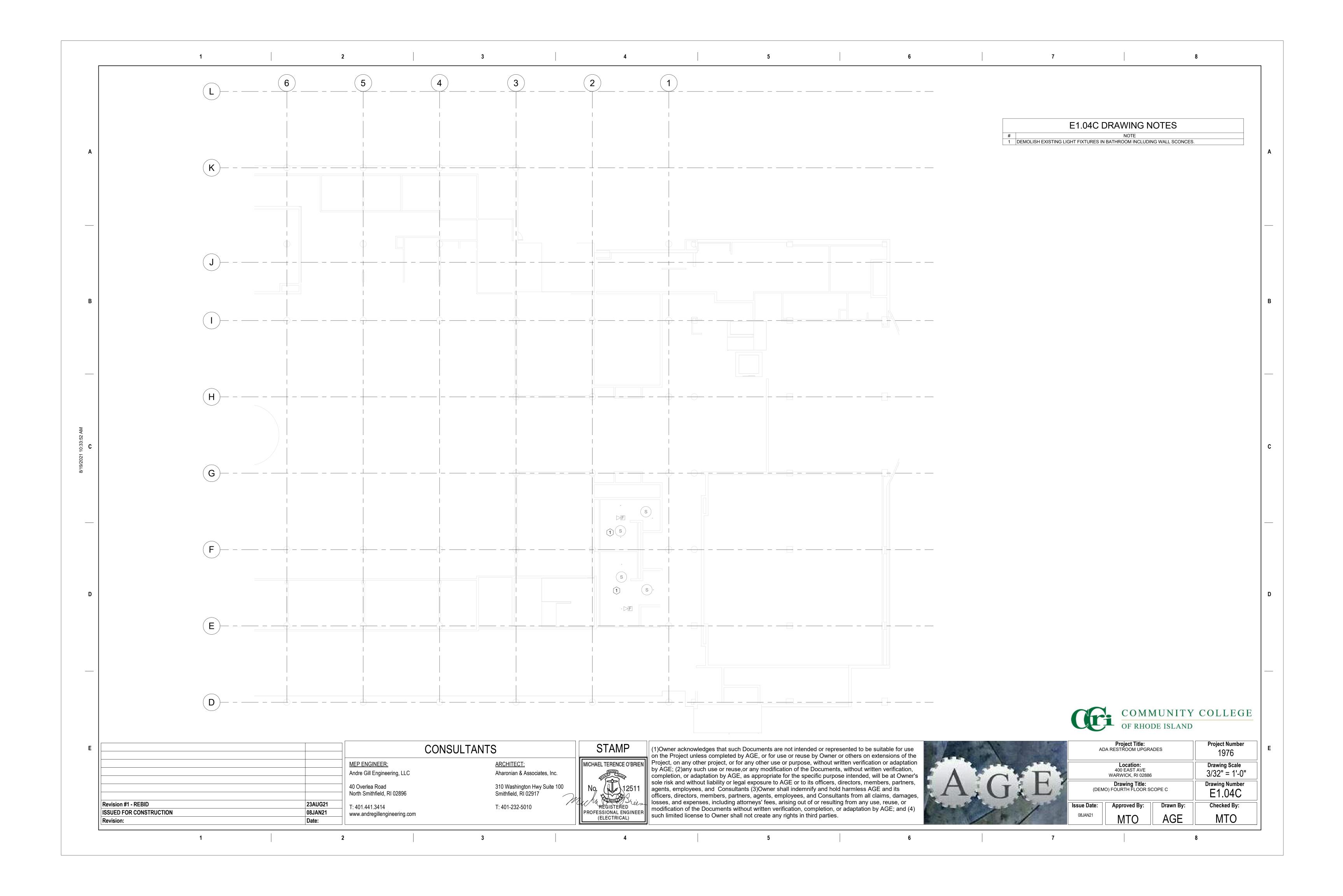


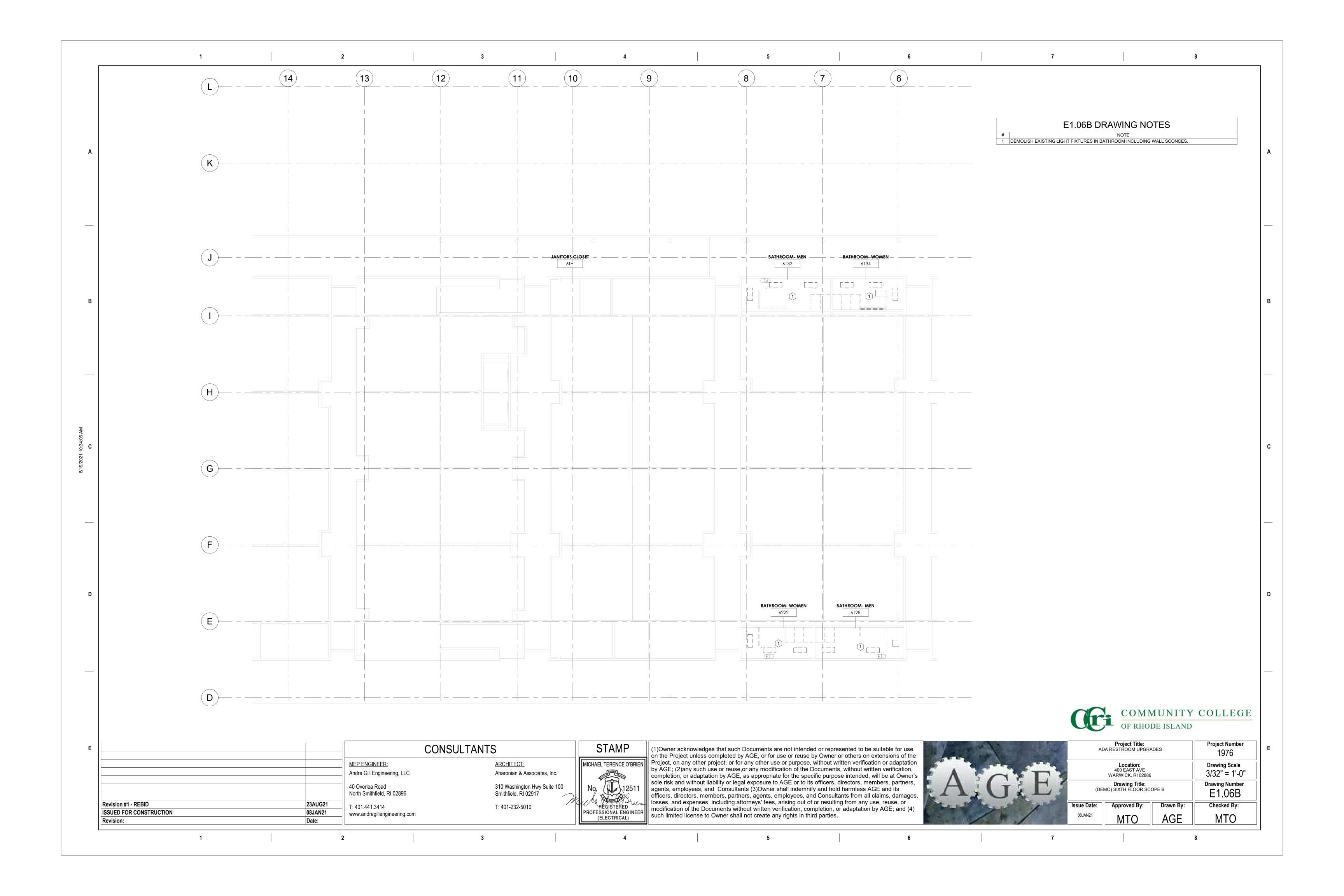


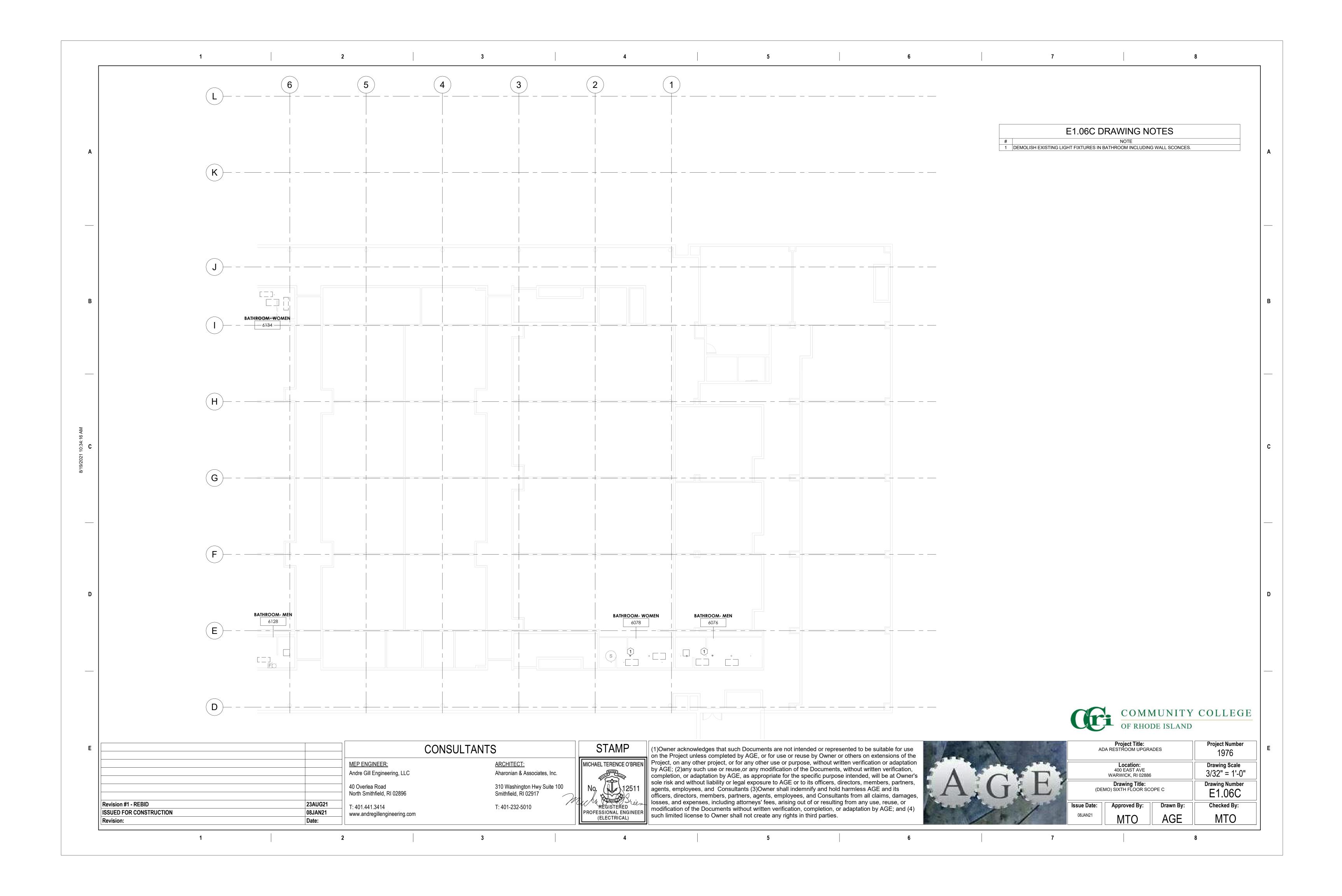


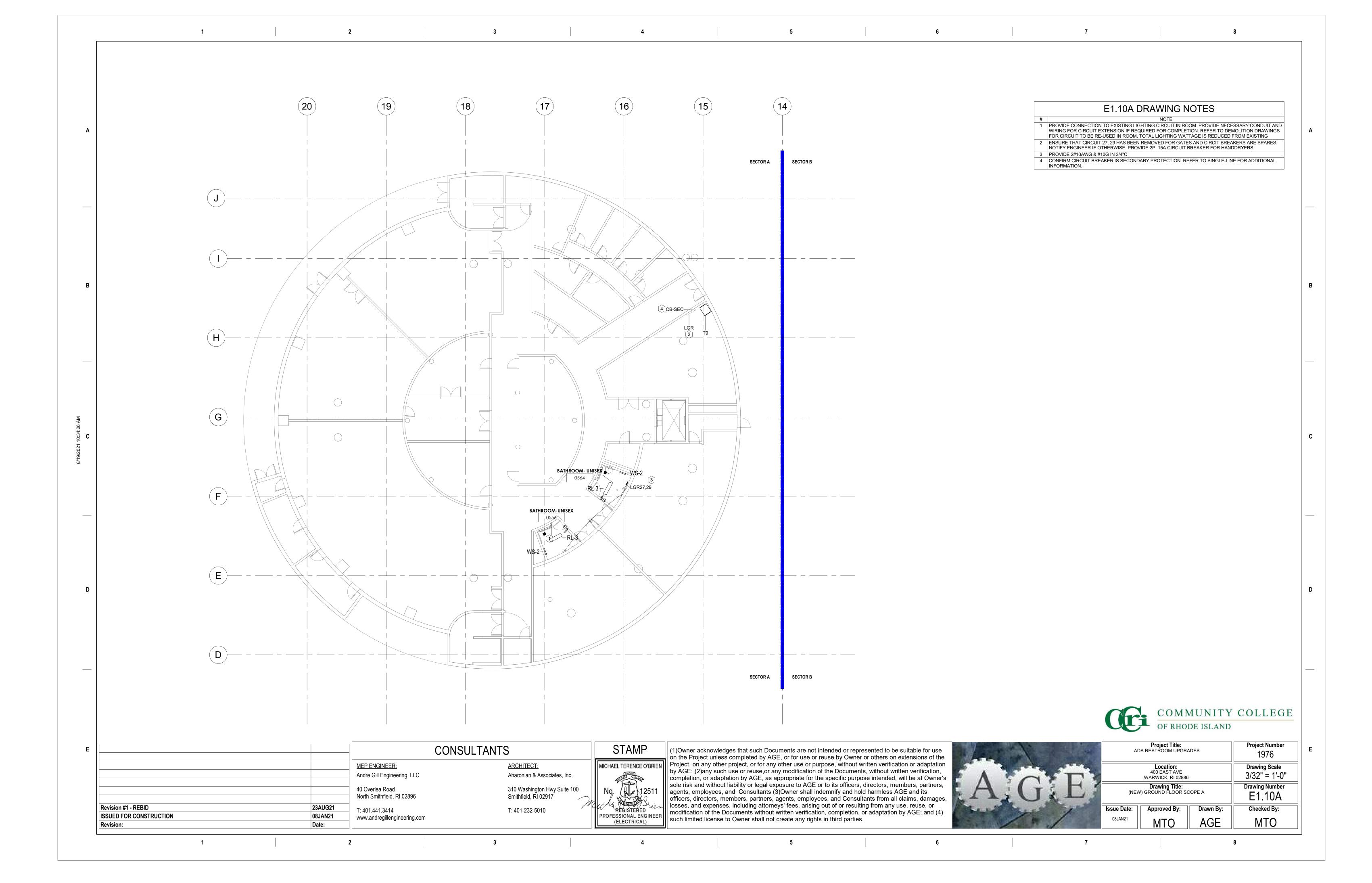


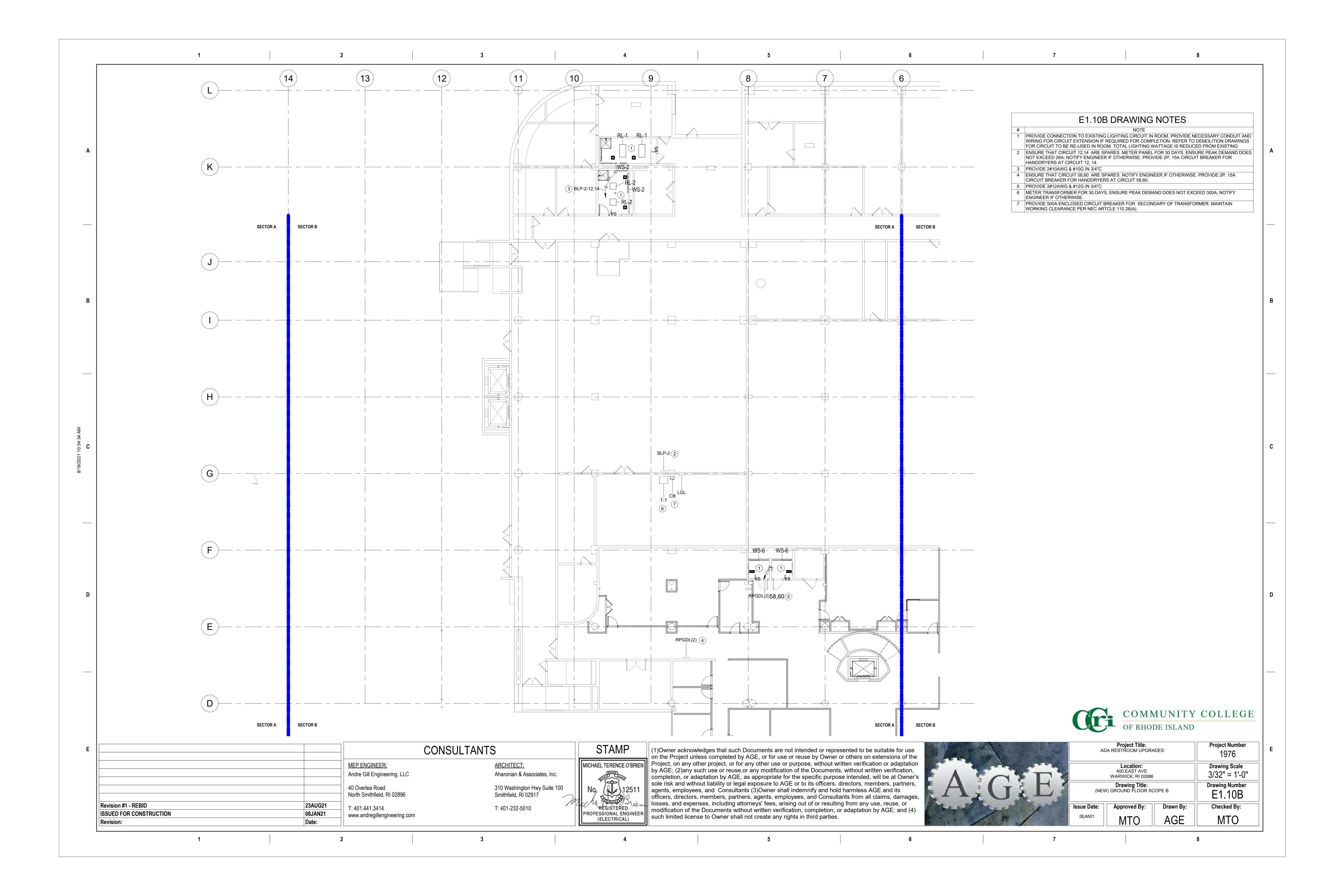


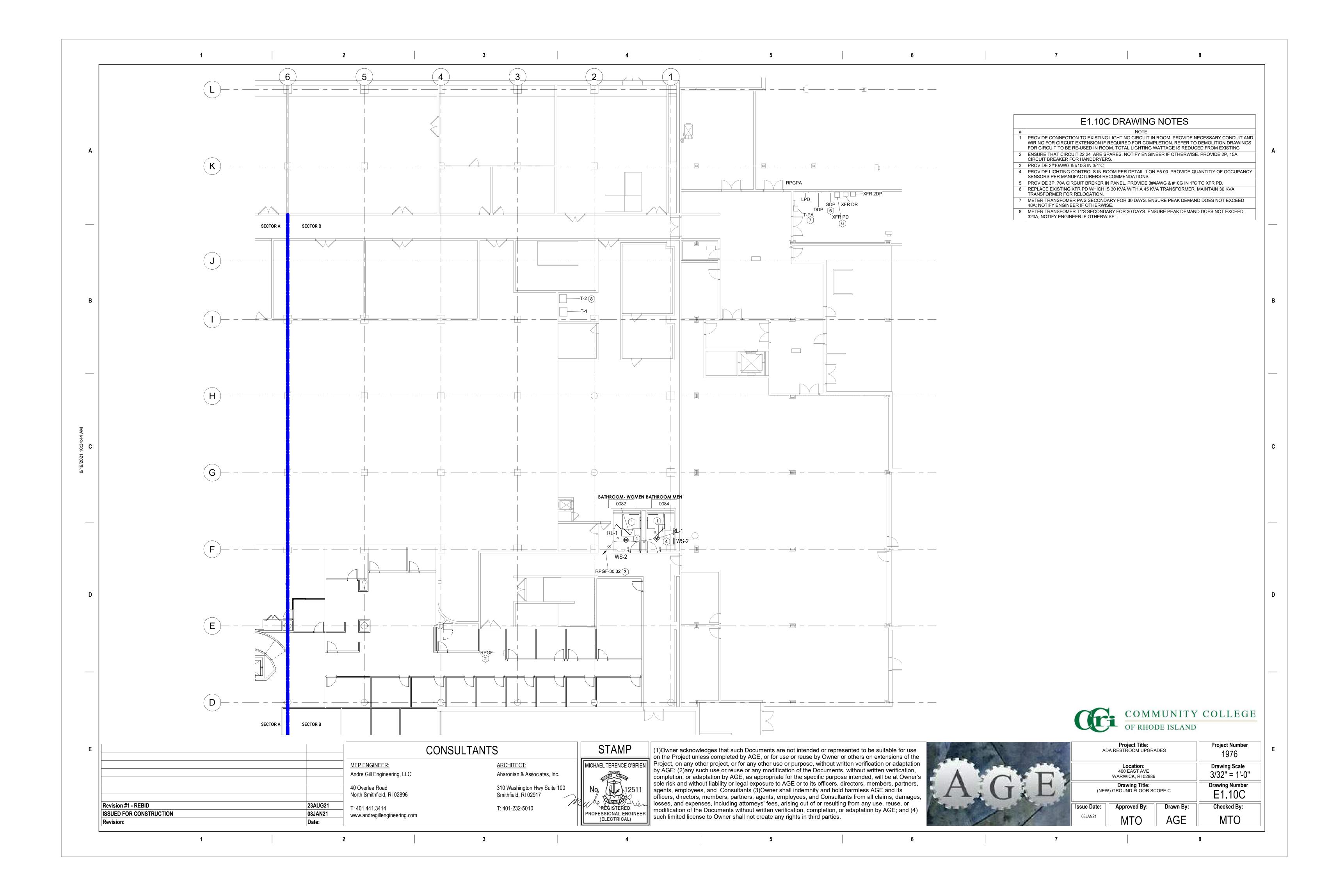


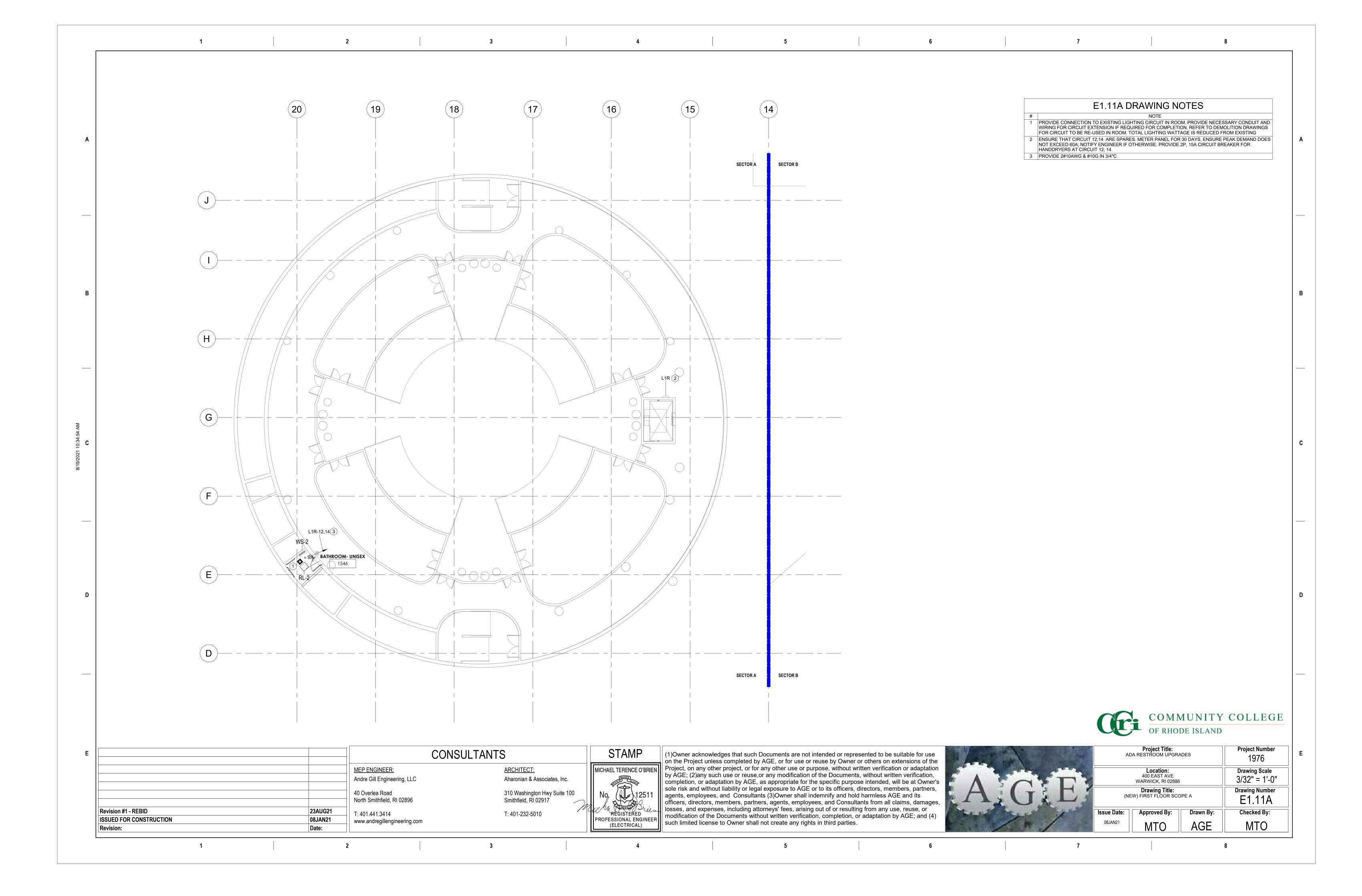


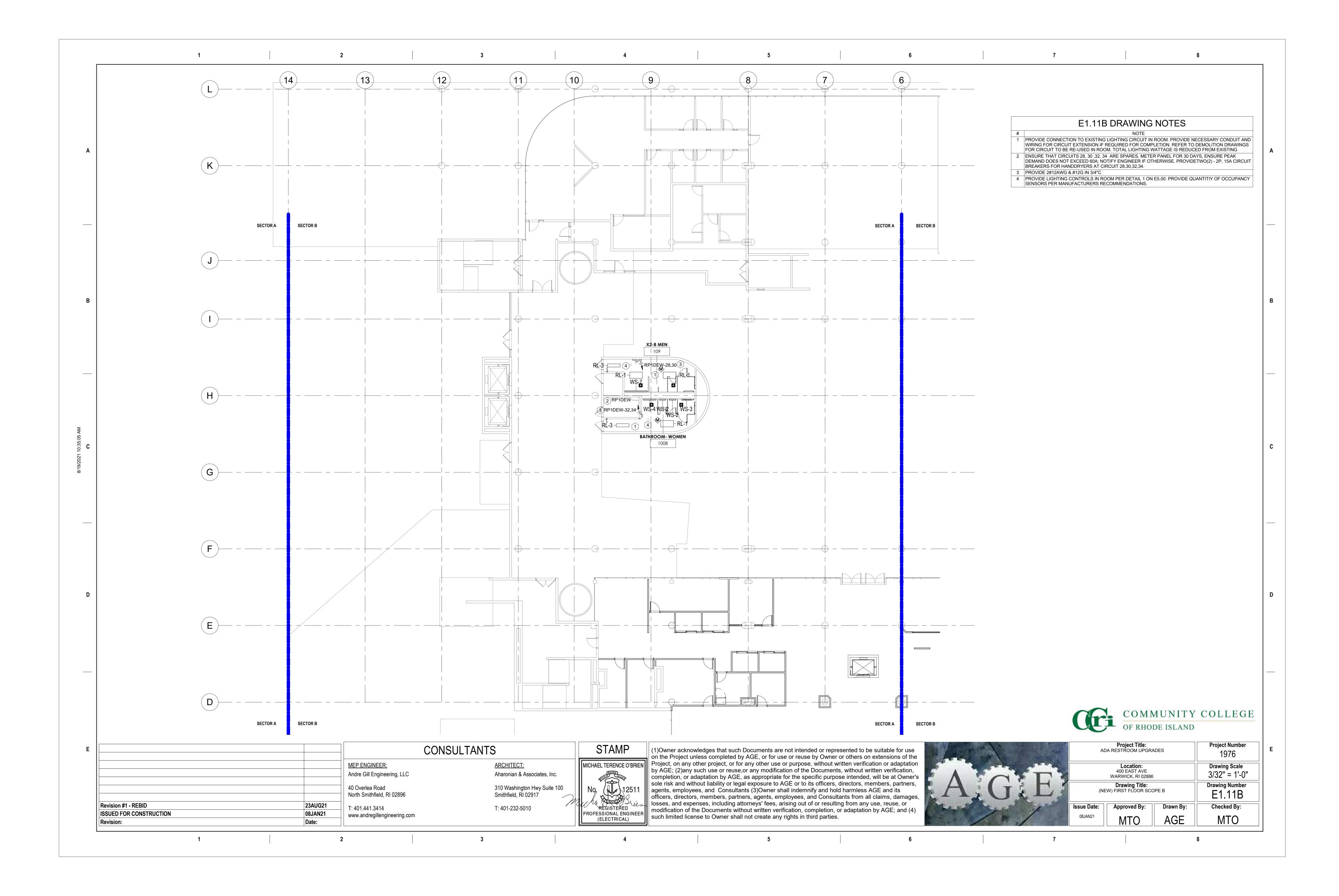


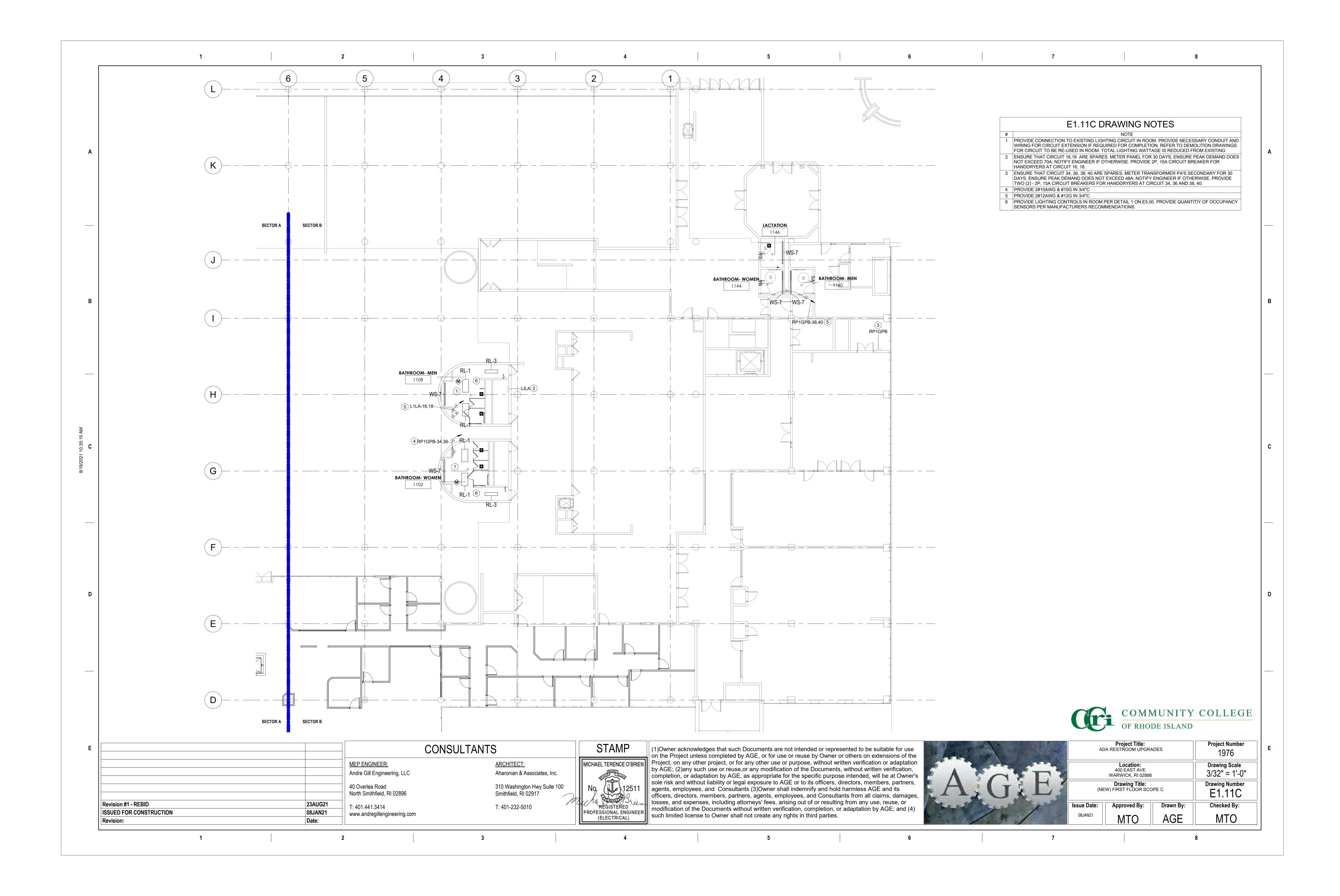


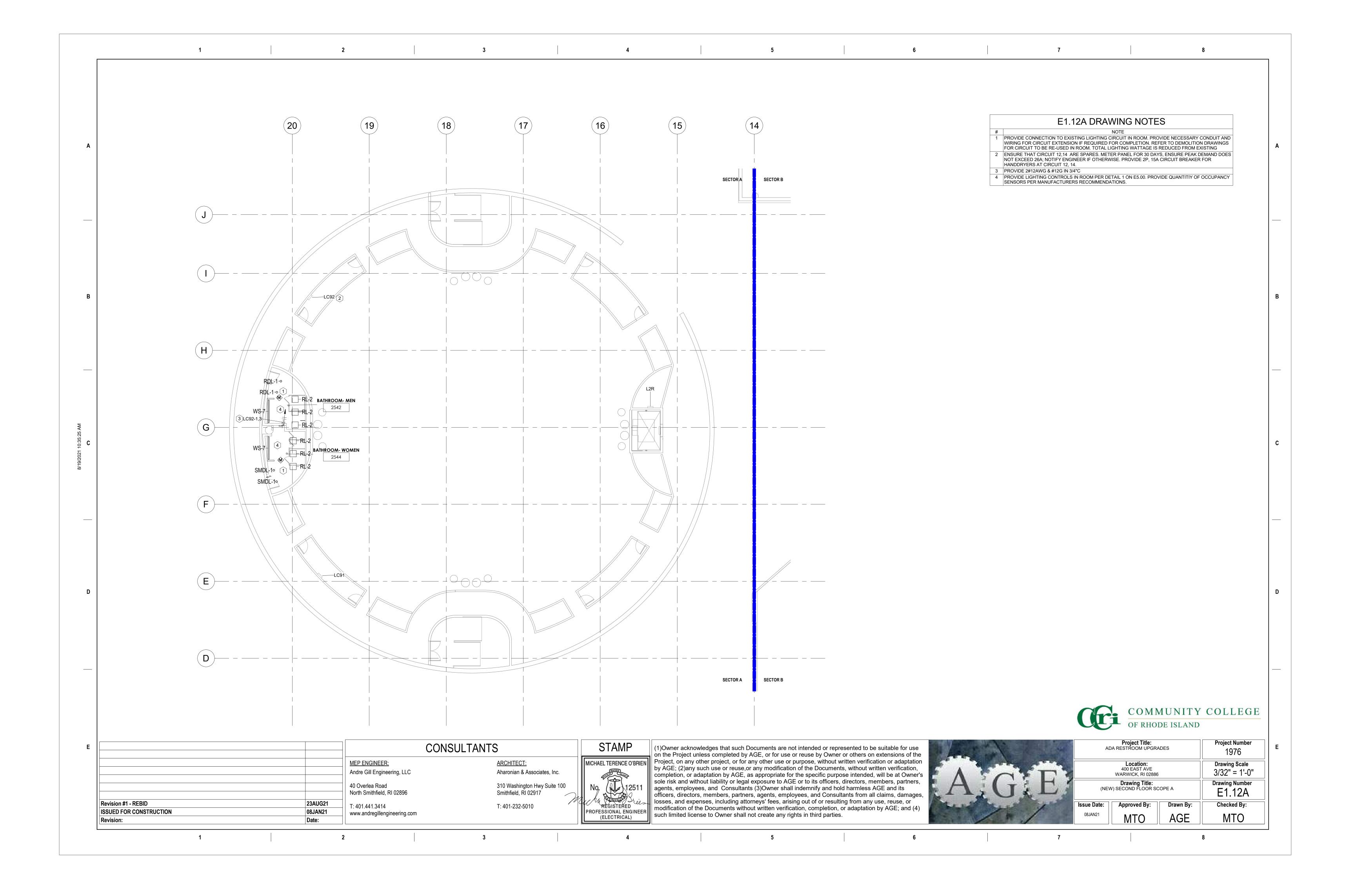


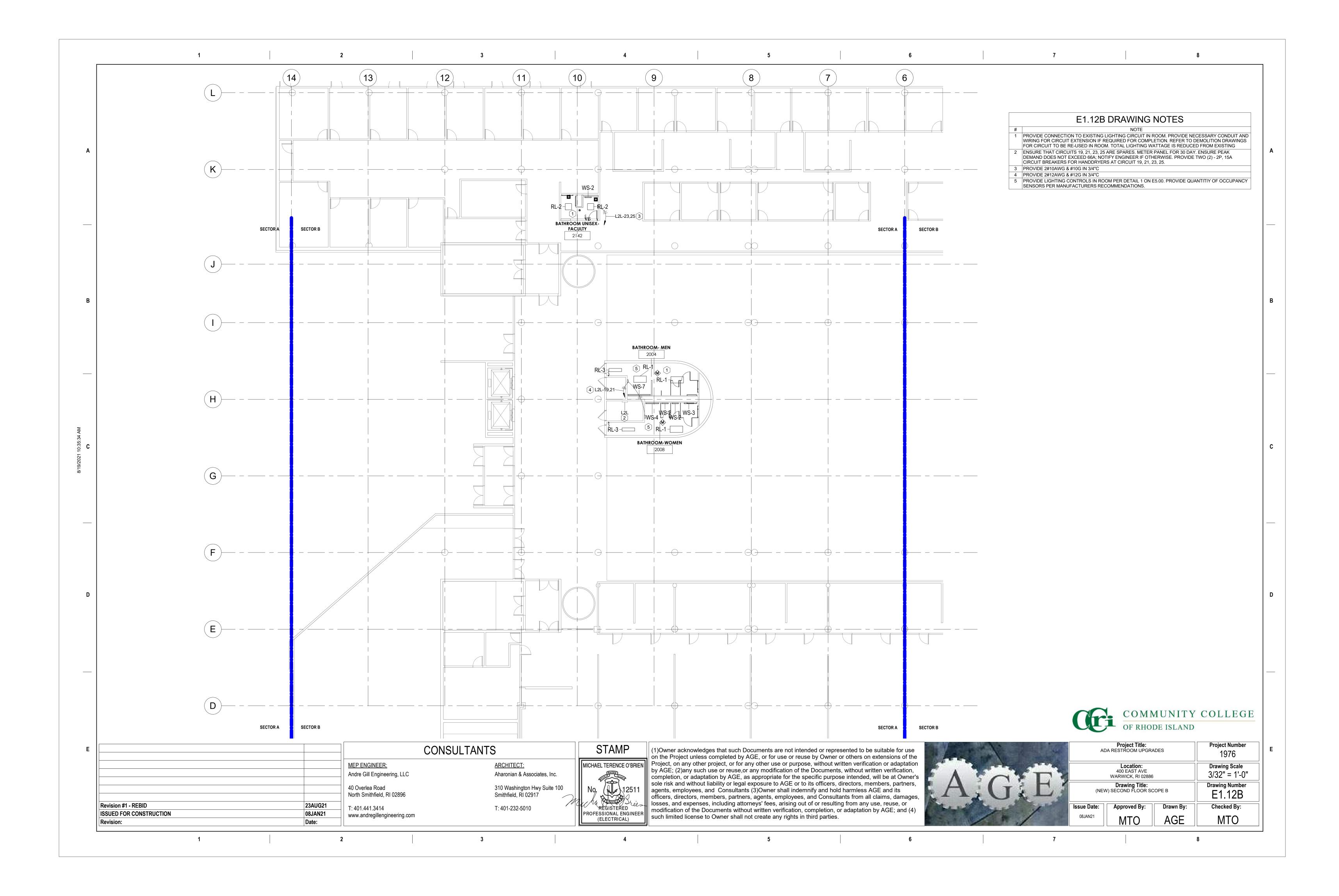


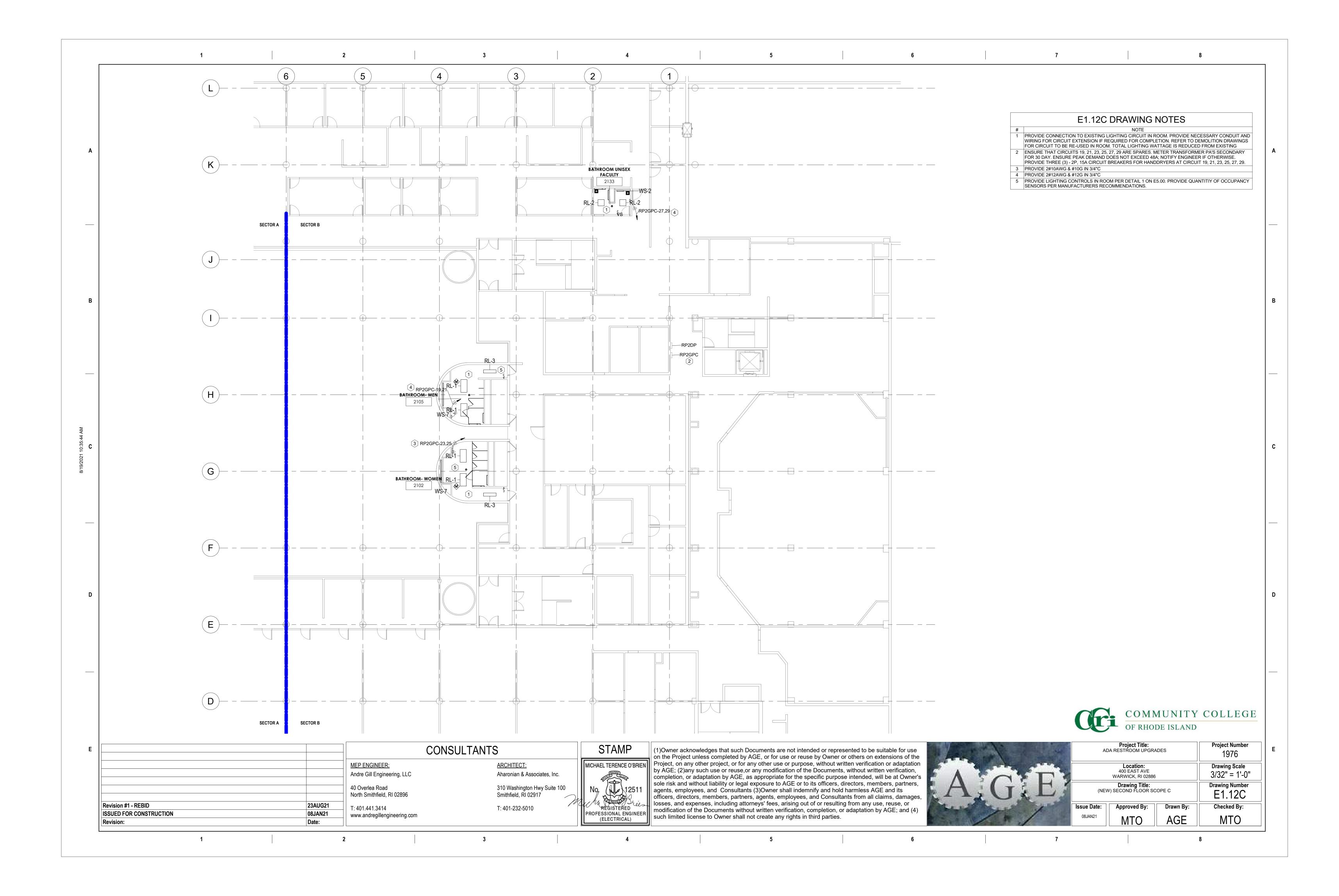


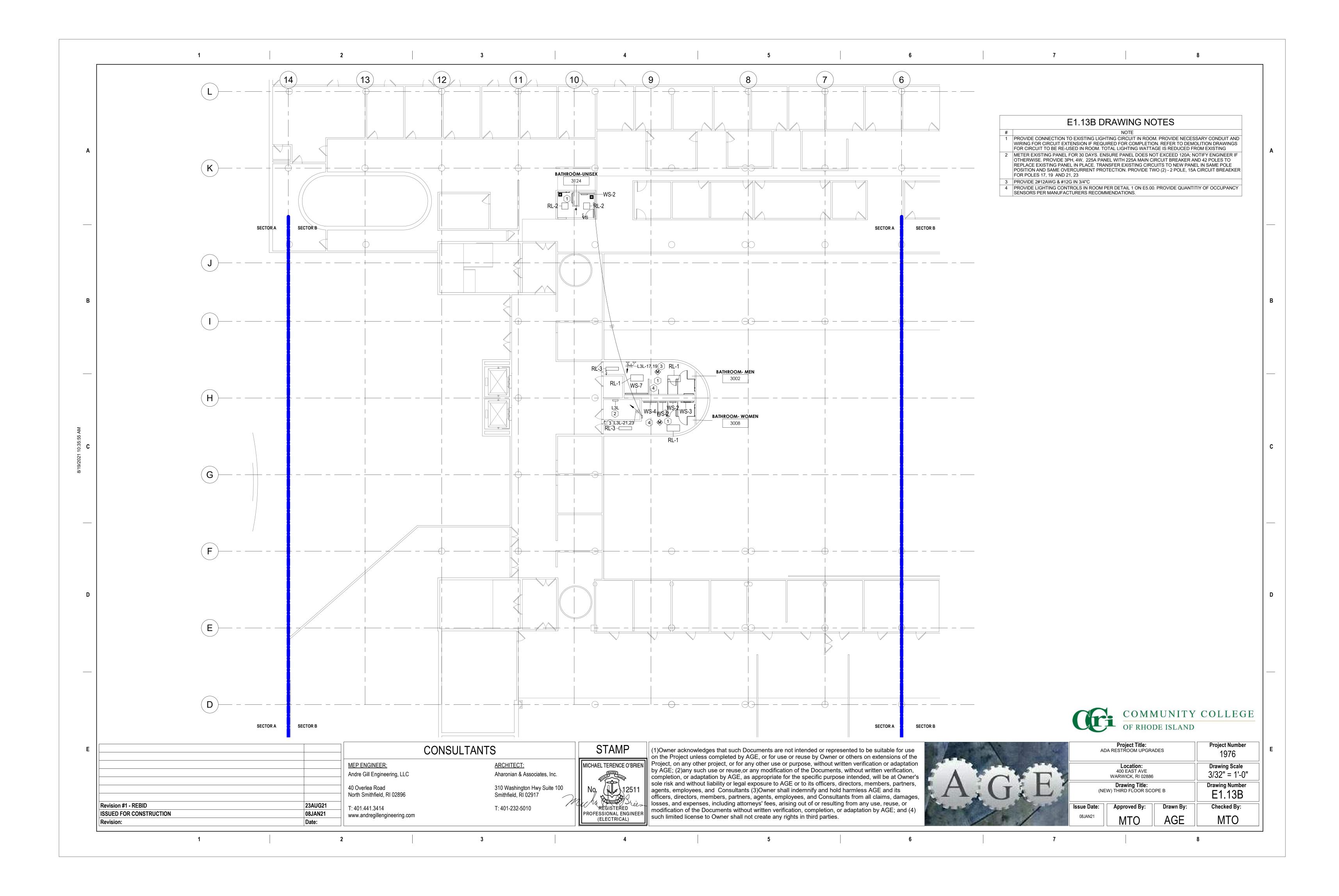


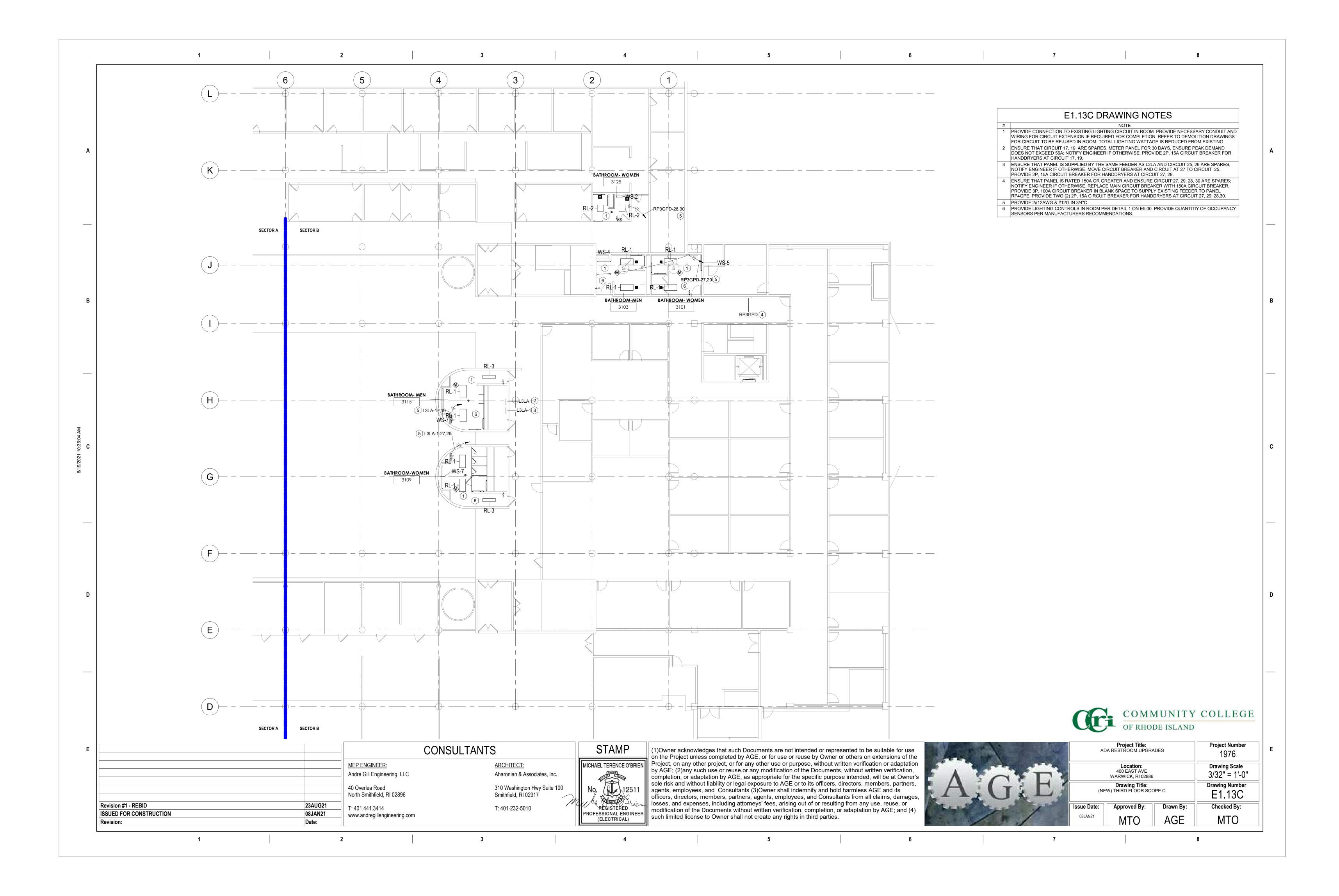


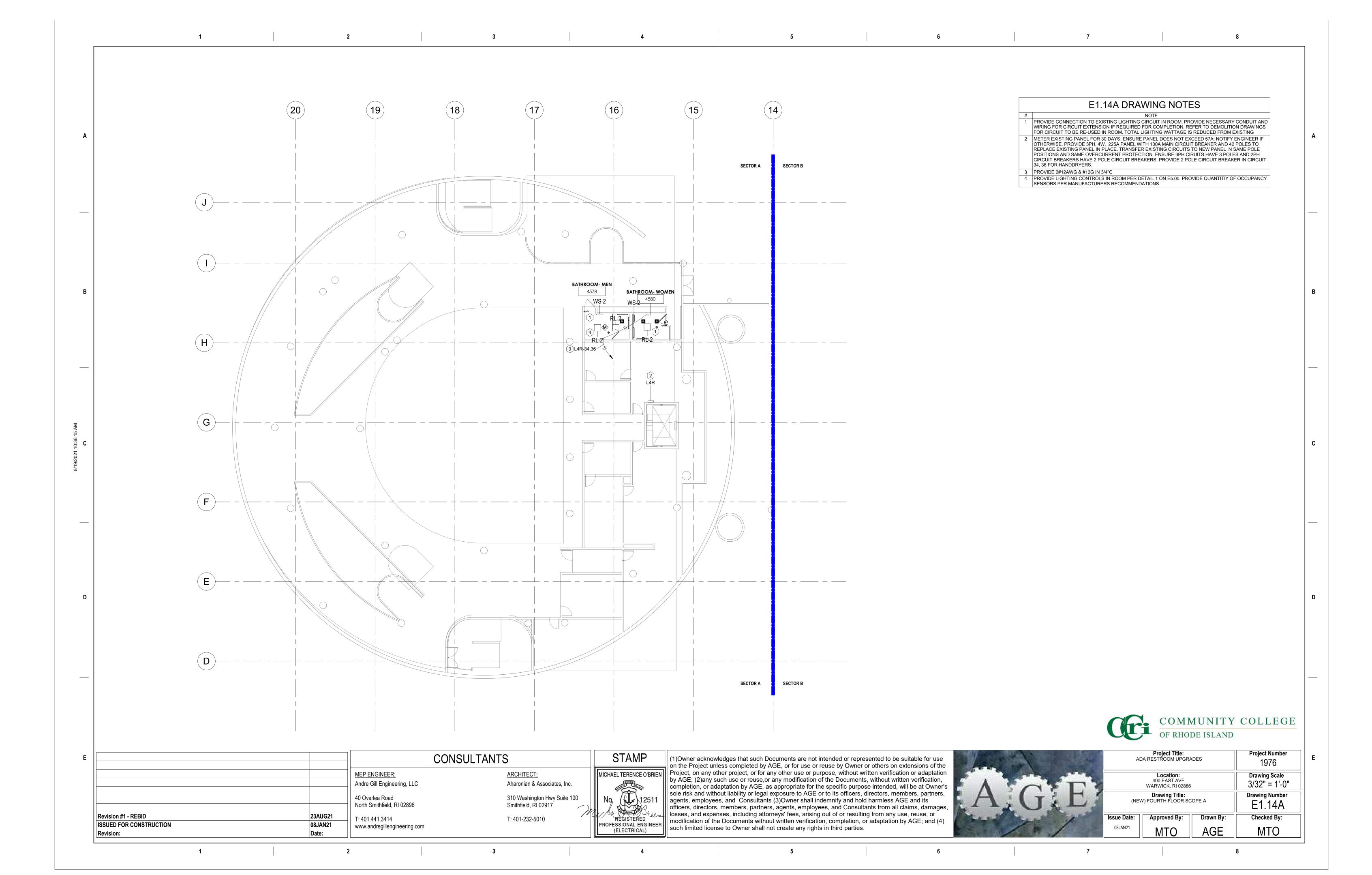


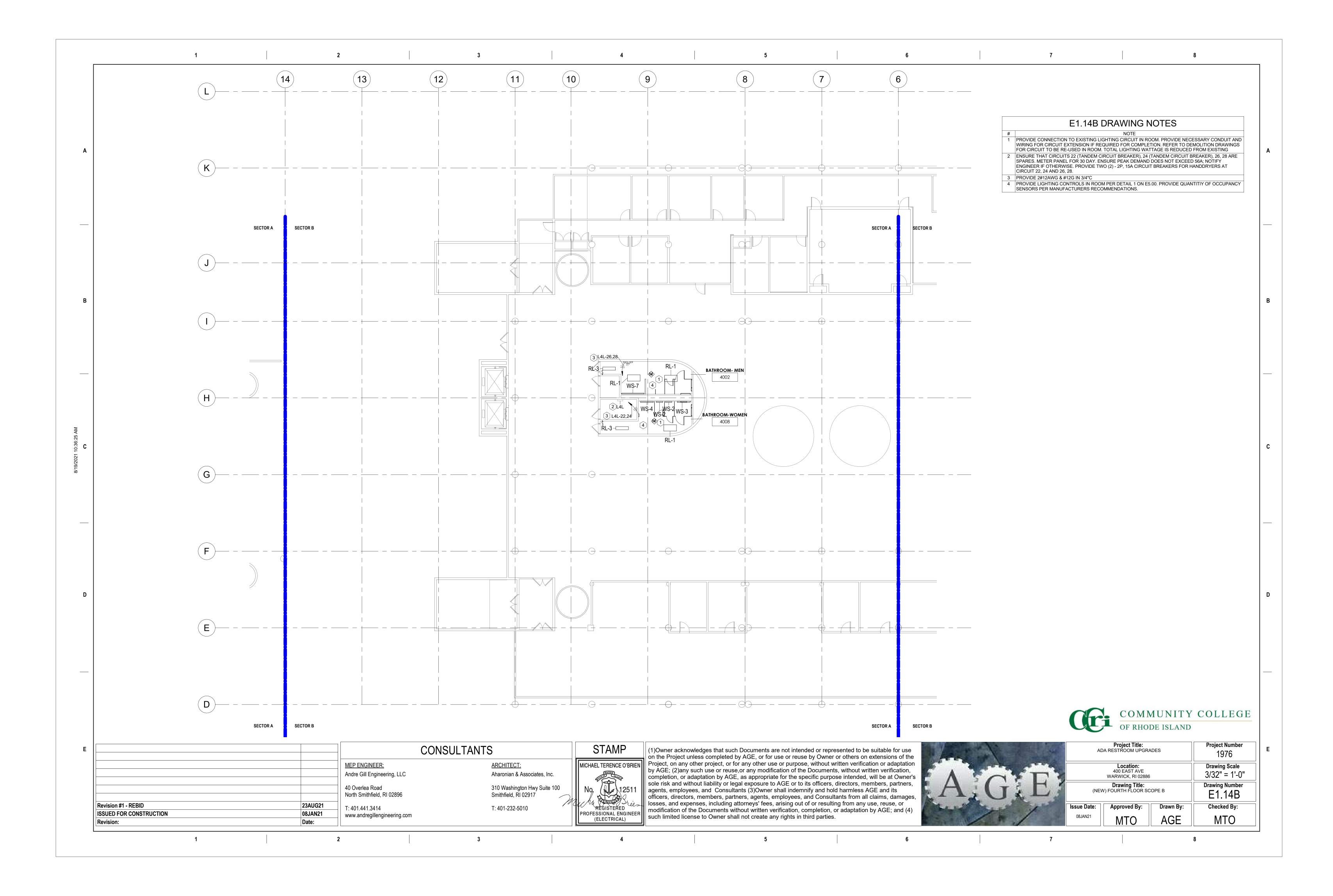


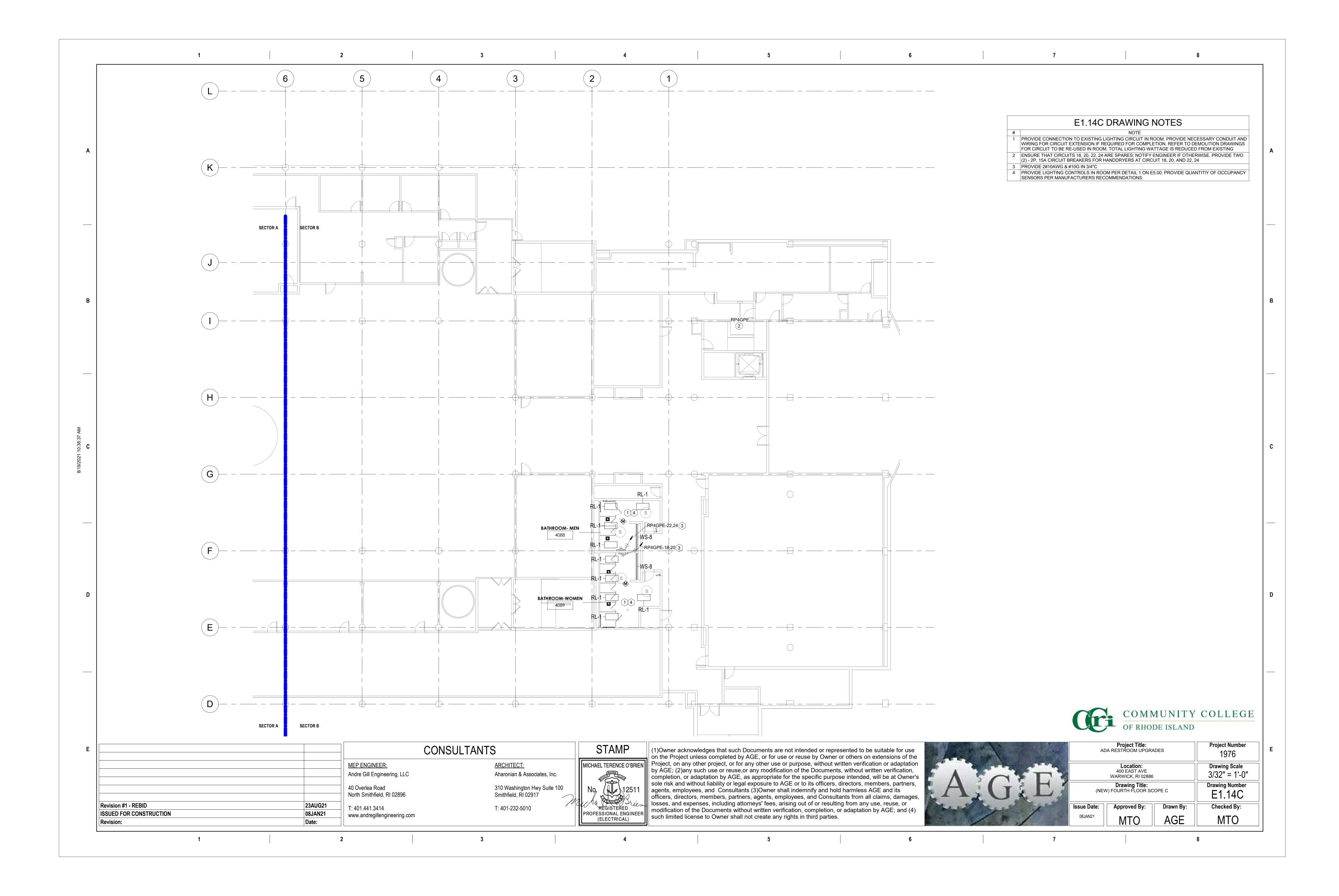


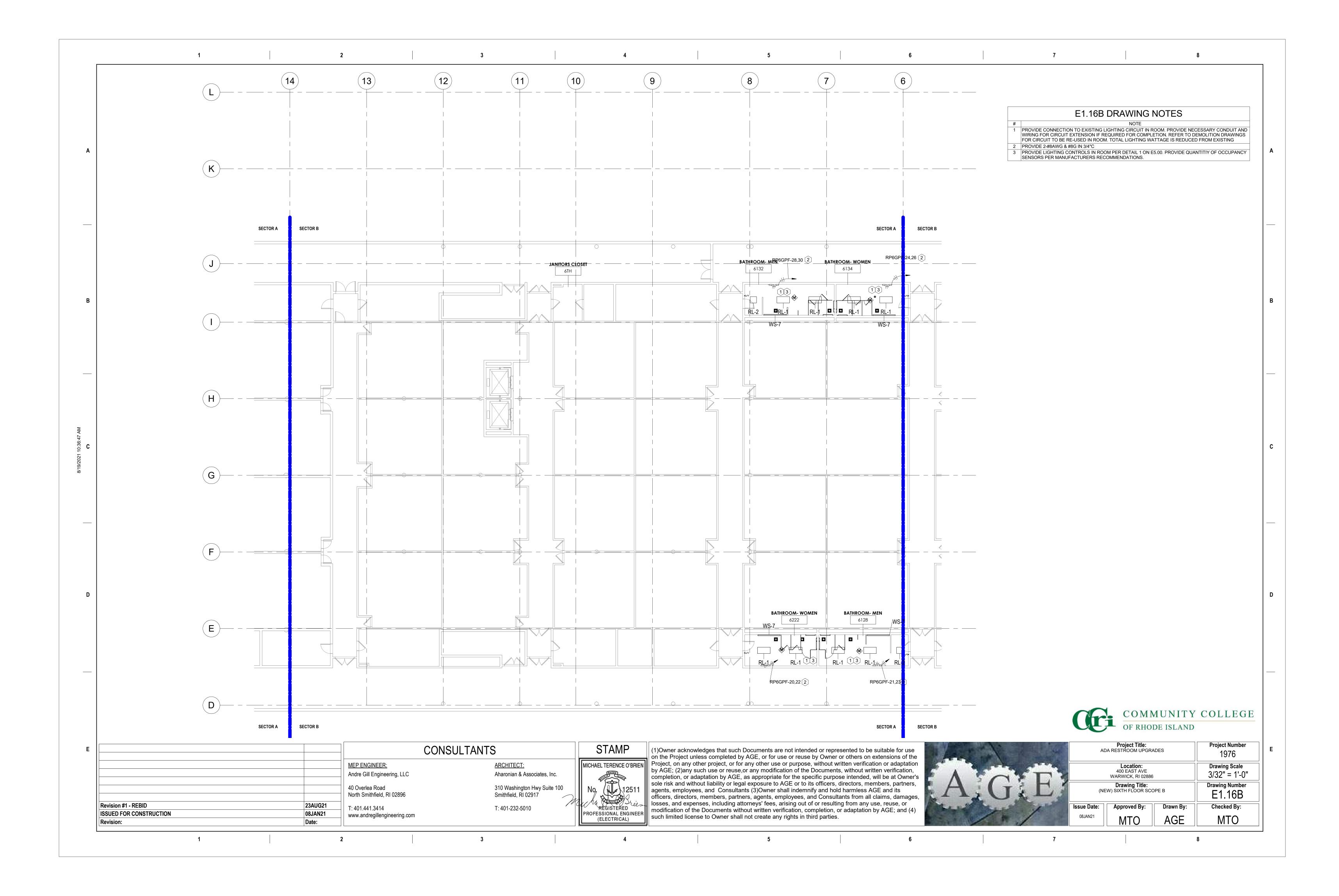


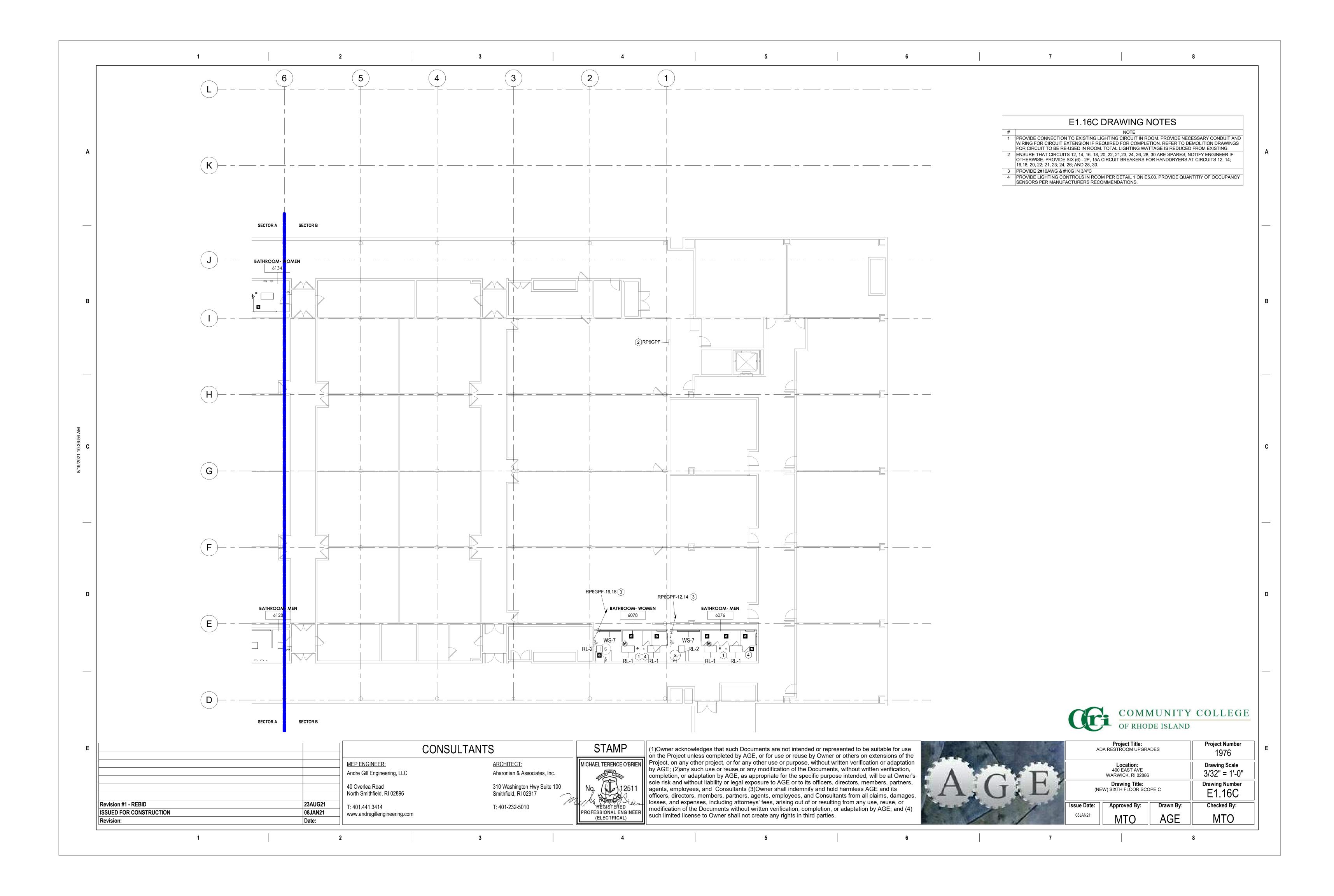


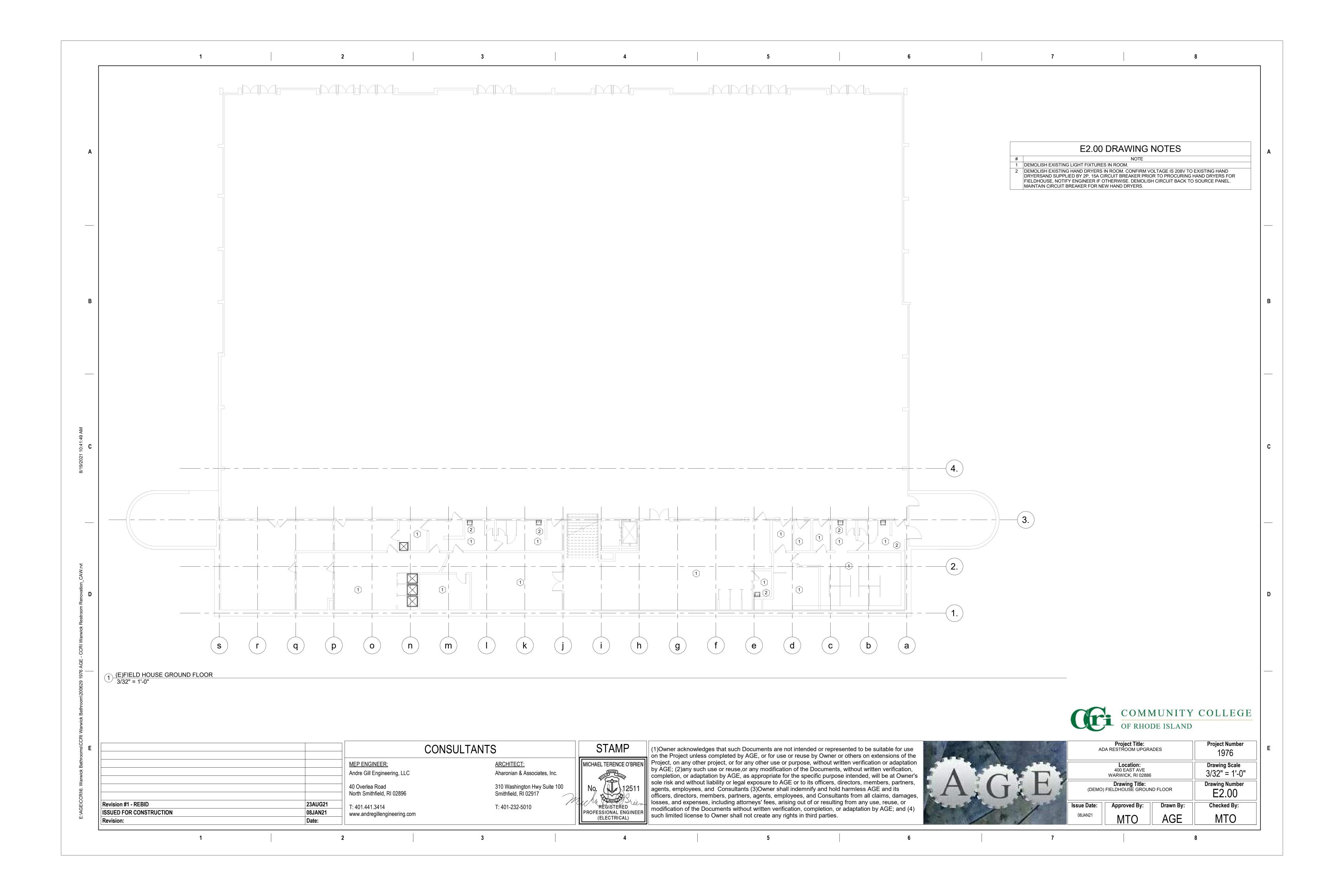


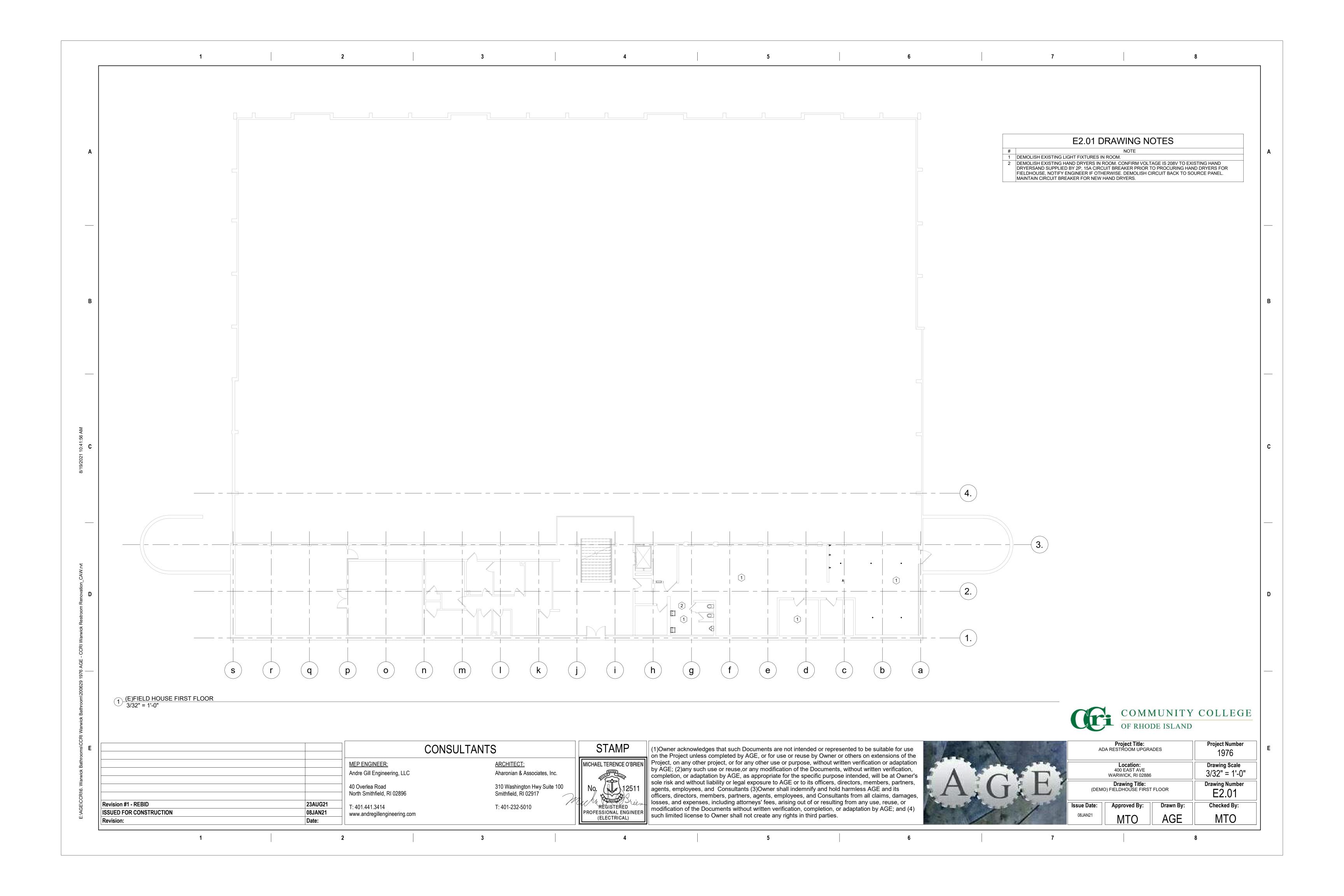


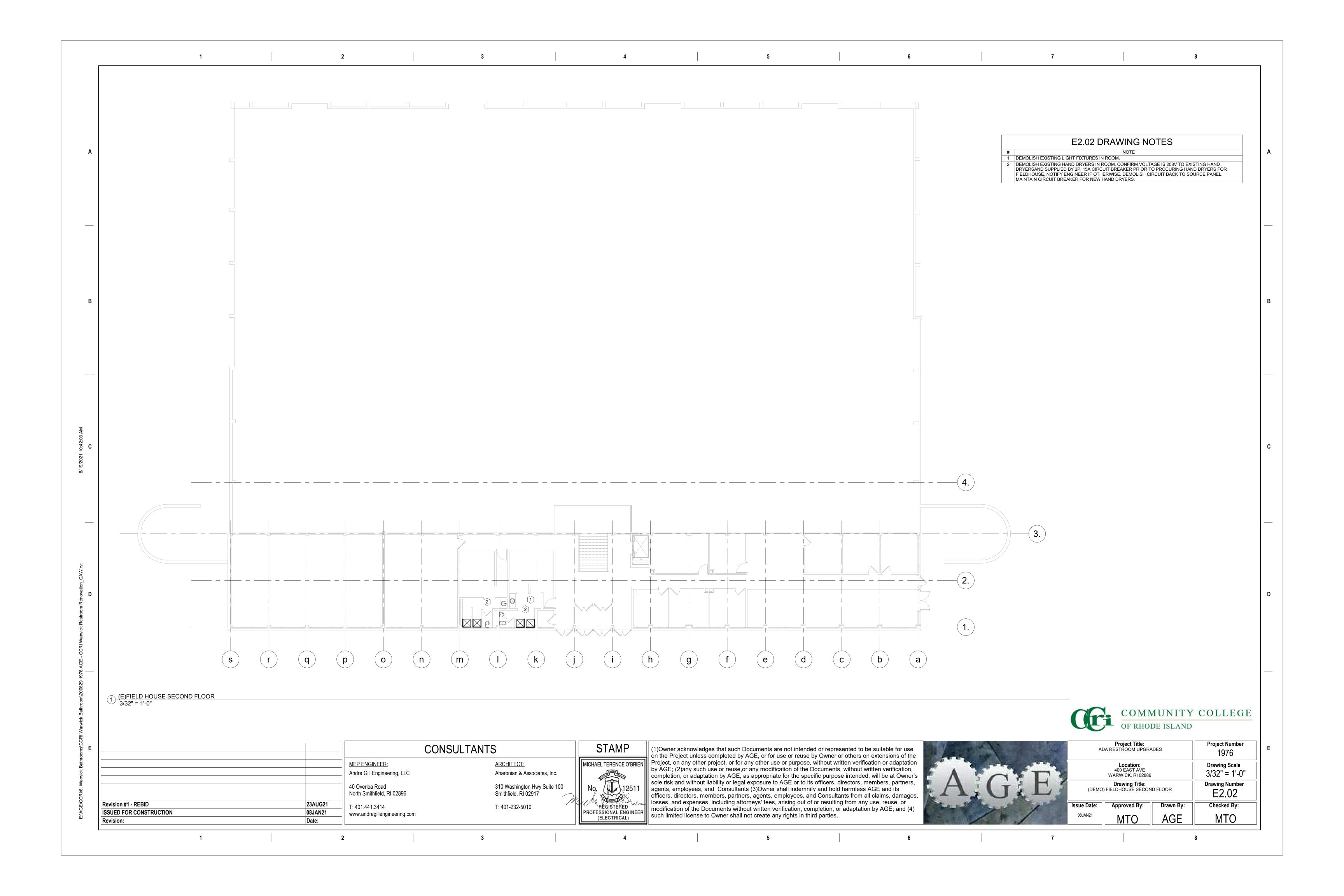


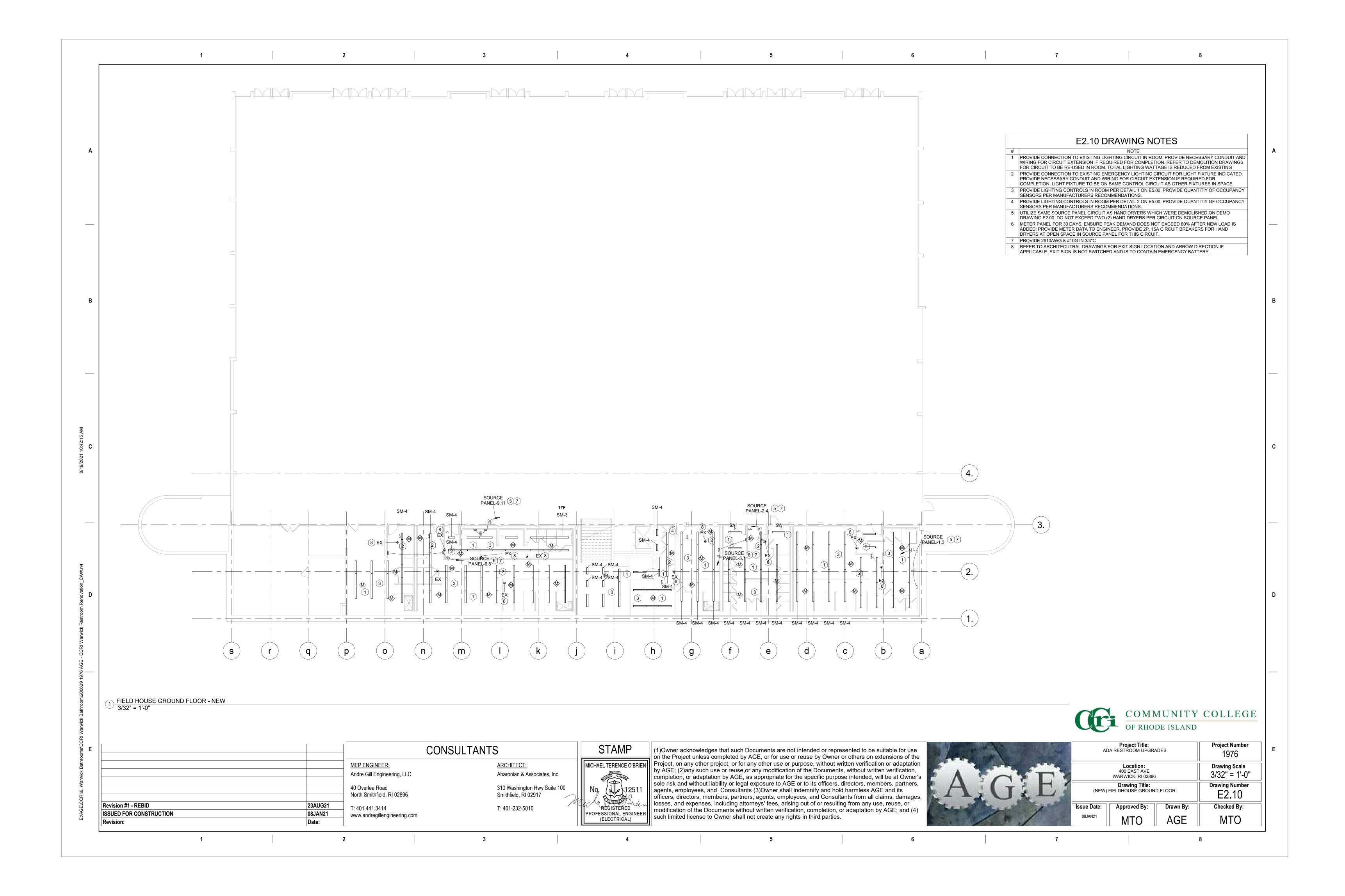


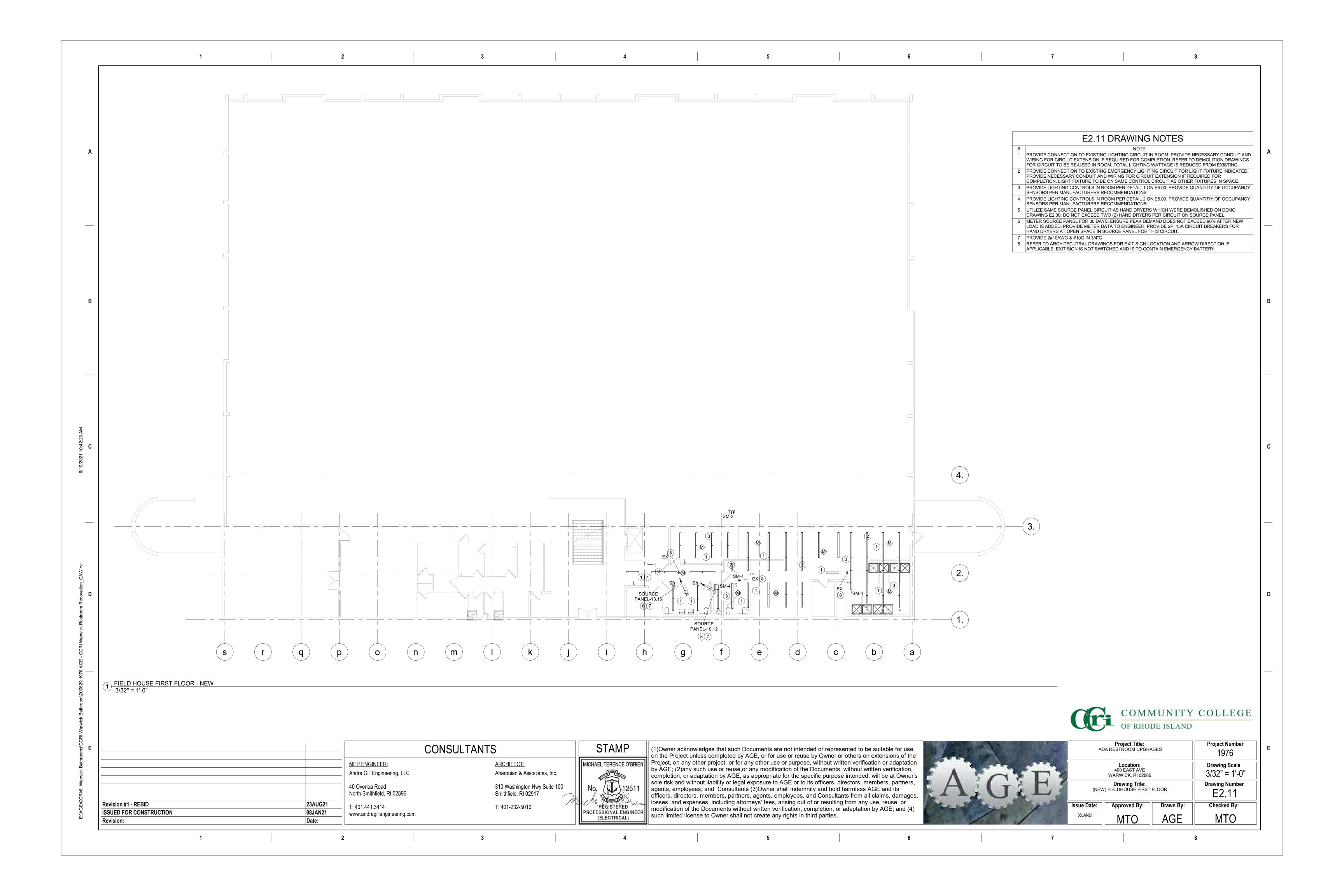


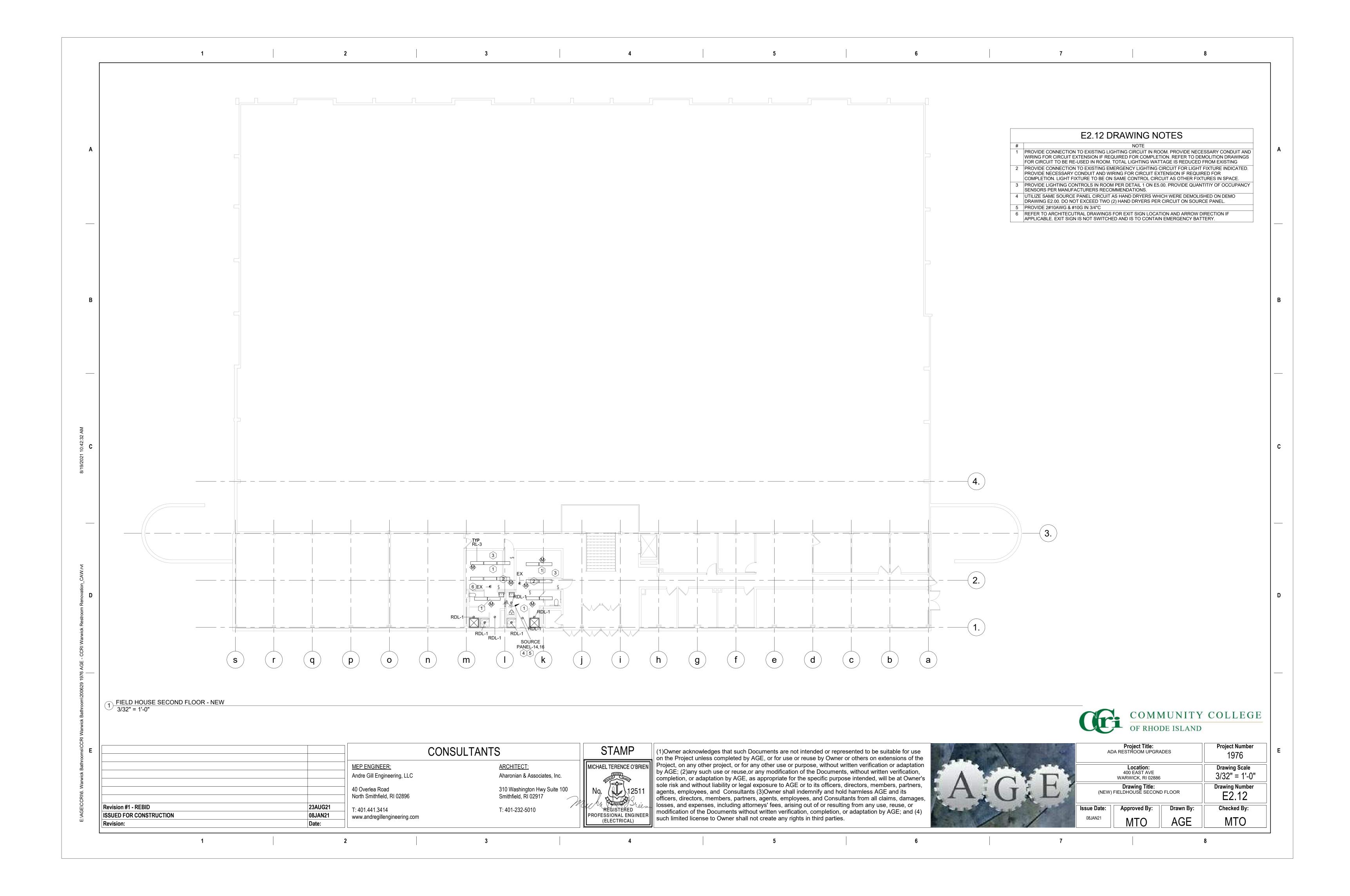












LIGHT FIXTURE SCHEDULE MANUFACTURER AND CATALOG NUMBER LAMPS MOUNTING DESCRIPTION LED EXIT SIGN WITH BATTERY, NO LED 0.0 Acuity Brands Lighting: LARGER THAN 2W RDL-1 LED 4" LED DOWNLIGHT, WET LOCATION Lithonia Lighting:WF4 LED 10.5 LISTED RL-1 LED 12.1 2X4 LED FIXTURE WITH DIMMING Lithonia Lighting: EPANL LED Flat Panel 2x4 80CRI MVOLT RL-2 LED 12.1 2X2 LED FIXTURE WITH DIMMING Lithonia Lighting:EPANL LED Flat Panel 2x2 80CRI MVOLT RL-3 LED 12.1 Lithonia Lighting:EPANL LED Flat Panel 1x4 80CRI MVOLT 1'X4' LED FIXTURE WITH DIMMING SM-3 LED Acuity Brands Lighting:FMLWL_48 19.6 LED 4ft WRAP 4000K, DAMP RATED SM-4 LED 11.0 2' LED Wrap Linear Flush Mount, DAMP Acuity Brands Lighting:FMLWL_24 RATED 5" LED DOWNLIGHT SMDL-1 LED 10.0 Juno:SLIMFORD LED: JSF 5IN 07 MVOLT WS-2 LED 16.2 Mark Slot 4 LED Indirect Sconce WITH MARK ARCHITECTURAL LIGHTING:SLOT 4 DIMMING DESIGN2SHIP: S4LI 2FT 80CRI MVOLT WS-3 LED MARK ARCHITECTURAL LIGHTING:SLOT 4 Mark Slot 4 LED Indirect Sconce DESIGN2SHIP: S4LI 3FT 80CRI MVOLT WS-4 LED 16.2 Mark Slot 4 LED Indirect Sconce MARK ARCHITECTURAL LIGHTING:SLOT 4 DESIGN2SHIP: S4LI 4FT 80CRI MVOLT WS-5 LED 16.2 Mark Slot 4 LED Indirect Sconce MARK ARCHITECTURAL LIGHTING:SLOT 4 DESIGN2SHIP: S4LI 5FT 80CRI MVOLT Mark Slot 4 LED Indirect Sconce MARK ARCHITECTURAL LIGHTING:SLOT 4 DESIGN2SHIP: S4LI 6FT 80CRI MVOLT WS-7 LED MARK ARCHITECTURAL LIGHTING:SLOT 4 16.2 Slot 4 LED Indirect Sconce 7' WITH DIMMIMG DESIGN2SHIP: S4LI 7FT 80CRI MVOLT Mark Slot 4 LED 8FT LINEAR Indirect WS-8 LED 16.2 MARK ARCHITECTURAL LIGHTING:SLOT 4 Sconce WITH DIMMING DESIGN2SHIP: S4LI 8FT 80CRI MVOLT

COMMUNITY COLLEGOUS OF RHODE ISLAND

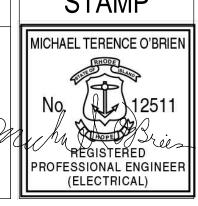
| MEP ENGINEER: | Andre Gill Engineering, LLC | 40 Overlea Road | North Smithfield, RI 02896 | T: 401.441.3414 | www.andregillengineering.com | Revision: | Date:

CONSULTANTS

ARCHITECT:
Aharonian & Associates, Inc.

310 Washington Hwy Suite 100
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Project Title: ADA RESTROOM UPGRADES			Project Number 1976		
Location: 400 EAST AVE WARWICK, RI 02886			Drawing Scale		
Drawing Titl SCHEDULES				Drawing Number E3.00	
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