

## Addendum

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Florida Gateway College  
 Building 17 – Anatomy/Physiology Renovations  
 Lake City, Florida  
 FGC Bid Number: ITB No. 20-3-01

Project

1925

KP Project Number

April 20, 2020

Date

Page 1 of 2

Pages

Four

Addendum Number

Permit Fee Structures and  
 Reissued Sheets P1, P2.1,  
 P3.1, P4 and E4

Attachments

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This Addendum shall be considered part of the Contract Documents and shall be incorporated integrally into them. Where provisions of the following supplementary data differ from those of the original Contract Documents, this Addendum shall take precedence. Bidders shall acknowledge receipt of this Addendum on their Bid Form.

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1. **GENERAL – BID SUBMITTAL:** Refer to the attached Permit Fee Structures. The permitting and inspection agency representing the Owner shall be North East Florida Education Consortium. The Bidders shall include the costs of the fees per the attached sheet in their Base Bid.
2. **DRAWINGS, SHEET A-2 – REFLECTED CEILING PLAN AND MECHANICAL AND ELECTRICAL DRAWINGS IN GENERAL:** For clarification, the reflected ceiling plan shows a new ceiling at the scope of work on the west side of the building only. The mechanical and electrical drawings show work to be completed in the center and east side of the building also and these spaces have an existing suspended acoustical tile type ceiling. The Contractor shall remove the existing suspended ceiling grid and tile only as needed to complete the new mechanical and electrical work and then reinstall the existing ceiling grid and tile, or at the Contractor's option, provide new ceiling grid and tile as required to match existing.
3. **DRAWINGS, SHEET P1 – PLUMBING SPECIFICATIONS, NOTES AND LEGEND:** Refer to the attached reissued Sheet. Revisions are indicated by cloud.
4. **DRAWINGS, SHEET P2.1 – NEW SANITARY PLAN:** Refer to the attached reissued Sheet. Revisions are indicated by cloud.
5. **DRAWINGS, SHEET P3.1 – NEW WATER SUPPLY PLAN:** Refer to the attached reissued Sheet. Revisions are indicated by cloud.
6. **DRAWINGS, SHEET P4 – PLUMBING RISERS:** Refer to the attached reissued Sheet. Revisions are indicated by cloud.
7. **DRAWINGS, SHEET E4 – ELECTRICAL POWER NEW PLAN:** Refer to the attached reissued Sheet. Revisions are indicated by cloud. Use Breaker LP-27 previously labeled spare to provide power to a junction box at doors as indicated on reissued Sheet.

**END OF ADDENDUM**

**ATTACHMENTS INCLUDE PERMIT FEE STRUCTURES AND REISSUED SHEET P1, P2.1, P3.1, P4 AND E4**

**NORTH EAST FLORIDA EDUCATIONAL CONSORTIUM**  
**BUILDING CODE SERVICES**  
[PATERSONL@NEFEC.ORG](mailto:PATERSONL@NEFEC.ORG)  
352-745-1832

PERMIT FEE STRUCTURES

A. VALUATION

The Building Permit Fee shall be based upon the cost of construction as attested to by the applicant on the submitted permit application. The Building Official, in addition to verifying the completeness and accuracy of the application, shall review the application for the cost of construction. If the Building Official determines that the cost of construction attested to does not accurately reflect the cost of construction for the scope of work covered by the permit, he or she can use any of the following to calculate the fee:

1. Copy of a signed contract for work to be completed under requested permit.
2. Apply the values in the most current edition of the RS Means Construction Valuation system.

The greatest of the methods of the applicant's statement of value, or (1.) or (2.) above shall be used in calculating the permit fee.

B. FEES

1. Construction cost up to \$50,000 _____	\$250 + 2.5% of the construction cost
2. Construction cost greater than \$50,000 up to \$100,000 _____	\$500 + 2% of the construction cost
	<b>\$1,500</b> <span style="float: right;"><b>\$2,500</b></span>
3. Construction cost greater than \$100,000 up to \$1,000,000 _____	\$1,500 + 1% of the construction cost
	<b>\$2,500</b> <span style="float: right;"><b>\$11,500</b></span>
4. Construction cost greater than \$1,000,000 up to \$5,000,000 _____	\$7,000 + .5% of the construction cost
	<b>\$12,000</b> <span style="float: right;"><b>\$32,000</b></span>
5. Construction cost greater than \$5,000,000 _____	\$17,000 + .3% of the construction cost
	<b>\$32,000</b>

C. RE – INSPECTION FEE

Re-inspection fees to be paid by the contractor. Inspection fee rate: Hourly rate for the inspector to include travel time, plus \$0.58 per mile. Travel distance is based from Palatka, FL.

PLUMBING SYMBOL LEGEND		PLUMBING ABBREVIATIONS	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
CD	- ABOVE GROUND CONDENSATE DRAIN	AFF	- ABOVE FINISH FLOOR
CD	- BELOW GROUND CONDENSATE DRAIN	CB	- CATCH BASIN
	- DOMESTIC COLD WATER	CD	- CONDENSATE DRAIN
	- DOMESTIC HOT WATER	CFH	- CUBIC FEET PER HOUR
	- DOMESTIC HOT WATER RECIRCULATING	CO	- CLEANOUT
GW	- GREASE WATER	CONT	- CONTINUATION
S	- ABOVE GROUND SANITARY	CW	- DOMESTIC COLD WATER
S	- BELOW GROUND SANITARY	DN	- DOWN
	- SANITARY VENT	DS	- DOWNSPOUT
ST	- ABOVE GROUND STORM WATER LEADER	DWG	- DRAWING
U/G	- BELOW GROUND	EXIST	- EXISTING
STO	- STORM WATER OVERFLOW	ECO	- EXTERIOR CLEAN OUT
M	- WATER METER	*F	- DEGREE FAHRENHEIT
H-C	- HOSE BIBB OR WALL HYDRANT	FCO	- FLOOR CLEANOUT
CO	- CLEAN OUT PLUG	FD	- FLOOR DRAIN
WCO	- WALL CLEANOUT	FS	- FLOOR SINK
EWCO	- EXTERIOR WALL CLEAN OUT	G	- GAS
FCO	- FLOOR CLEAN OUT	GPH	- GALLONS PER HOUR
FD	- FLOOR DRAIN	GPM	- GALLONS PER MINUTE
	- ROOF DRAIN	GW	- GREASE WATER
	- SHUT-OFF VALVE IN VALVE BOX	HB	- HOSE BIBB
	- SHUTOFF VALVE	HD	- HUB DRAIN
	- BALL VALVE	HW	- DOMESTIC HOT WATER
	- CALIBRATED BALANCING VALVE	HWR	- DOMESTIC HOT WATER RECIRCULATING
	- CHECK VALVE (SWING)	IE	- INVERT ELEVATION
	- SOLENOID OPERATED VALVE	IW	- INDIRECT WASTE
	- RELIEF OR SAFETY VALVE	KW	- KILOWATT
	- GAS COCK	LBS	- POUNDS
	- GAS PRESSURE REGULATOR	MH	- MANHOLE
	- SHUTOFF VALVE ON RISER	N2O	- NITROUS OXIDE
	- GAS COCK ON RISER	NIC	- NOT IN CONTRACT
	- CONNECTION, TOP	NC	- NORMALLY CLOSED
	- CONNECTION, BOTTOM	NO	- NORMALLY OPEN
	- ELBOW, TURNED DOWN	NP	- NON-POTABLE WATER
	- ELBOW, TURNED UP	NTS	- NOT TO SCALE
	- TEE, TURNED UP	OD	- OUTSIDE DIAMETER
	- TEE, TURNED DOWN	PRV	- PRESSURE REDUCING VALVE
	- CAP	PSI	- POUNDS PER SQUARE INCH
	- DIRECTION OF FLOW	PVC	- POLYVINYL CHLORIDE PIPE
	- REVISION REFERENCE	RD	- ROOF DRAIN
	- DETAIL REFERENCE: TOP-DETAIL#, BOTTOM-DRAWING# SHOWN ON	RPBP	- REDUCED PRESSURE BACKFLOW PREVENTOR
	- CONNECT TO	SAN	- SANITARY
	- DEMO TO	SD	- STORM DRAIN
		SF	- SQUARE FEET
		SH	- SHEET
		ST	- STORM WATER LEADER
		STO	- OVERFLOW STORM WATER
		V	- VENT
		VTR	- VENT THRU ROOF
		VTW	- VENT THRU WALL
		WCO	- WALL CLEANOUT
		WTR	- WATER
		WHA	- WATER HAMMER ARRESTOR

NOTE: SOME SYMBOLS SHOWN ON THIS LEGEND MAY NOT PERTAIN TO THIS PROJECT

- ### GENERAL NOTES
- REFERENCE THE SPECIFICATIONS FOR MATERIAL AND EQUIPMENT INSTALLATION STANDARDS.
  - THE PLUMBING INSTALLATION SHALL COMPLY WITH ALL CURRENT STATE AND LOCAL CODES.
  - COORDINATE UTILITIES AND SERVICES WITH CIVIL ENGINEER.
  - PLANS ARE NOT COMPLETELY TO SCALE. PIPE ROUTING SHOWN IS SCHEMATIC AND IS NOT INTENDED TO INDICATE EXACT ROUTING. CONTRACTOR SHALL PROVIDE ANY ADDITIONAL OFFSETS AND FITTINGS REQUIRED FOR PROPER INSTALLATION AND TO MAINTAIN CLEARANCES. VERIFY STRUCTURAL, MECHANICAL AND ELECTRICAL INSTALLATIONS AND OTHER POTENTIAL OBSTRUCTIONS AND ROUTE PIPING TO AVOID INTERFERENCES.
  - PROVIDE ALL OFFSETS AND FITTINGS AND MAKE CONNECTION TO SITE UTILITIES.
  - CONCEAL PIPING ABOVE CEILINGS, WITHIN WALLS OR CHASES EXCEPT IN MECHANICAL ROOMS OR AS SPECIFICALLY NOTED.
  - PROVIDE ACCESS PANELS FOR ALL VALVES CONCEALED IN WALLS OR ABOVE NON-ACCESSIBLE CEILINGS.
  - SLEEVE AND/OR FIRESTOP ALL PENETRATIONS THROUGH RATED WALLS, CEILINGS, AND FLOORS WITH UL LISTED ASSEMBLIES. FIRESTOP ASSEMBLIES SHALL BE EQUAL TO OR EXCEED THE RATING OF THE WALL, CEILING OR FLOOR. SEE ARCHITECTURAL DRAWINGS FOR FINAL FINISHES.
  - FLASH AND COUNTER-FLASH ROOF PENETRATIONS. NECESSARY, COORDINATE PENETRATIONS WITH ALL TRADES, THE ARCHITECT AND THE STRUCTURAL ENGINEER.
  - WHEN BEAM SLEEVE PENETRATIONS ARE NECESSARY, COORDINATE PENETRATIONS WITH ALL TRADES, THE ARCHITECT AND THE STRUCTURAL ENGINEER.
  - PROVIDE FOUNDATION PAD PENETRATION SLEEVES. ALLOW 1" MINIMUM CLEARANCE BETWEEN SLEEVE INSIDE SURFACE AND PIPE EXTERIOR.
  - SEE ARCHITECTURAL DRAWINGS FOR FIXTURE LOCATIONS AND MOUNTING HEIGHTS.
  - PROVIDE AUTOMATIC TRAP PRIMERS FOR FLOOR DRAIN & FLOOR SINK TRAP SEALS.
  - PROVIDE AN AIR GAP, WHEN REQUIRED BY CODE, SERVING INDIVIDUAL FIXTURES, DEVICES, APPLIANCES AND APPARATUS.
  - ALL EXPOSED PIPE AND FITTINGS IN FINISHED AREAS SHALL BE CHROME PLATED.
  - MOUNT HOSE BIBBS 24" ABOVE FINISHED GRADE.
  - PROVIDE CLEANOUTS IN ACCORDANCE WITH ALL SATE AND LOCAL CODES. INSTALL CLEAN OUT WITH COVER FLUSH TO FINISH SURFACE.
  - COORDINATE EXACT FLOOR DRAIN LOCATIONS WITH ARCHITECTURAL DRAWINGS. SET FLOOR DRAINS BELOW FINISHED FLOOR TO ALLOW FOR FLOOR SLOPING TO THE DRAIN.
  - COORDINATE PIPING WITH ALL ELECTRICAL EQUIPMENT (PANELS, TRANSFORMERS, ETC.) PRIOR TO ANY INSTALLATION. DO NOT ROUTE ANY PIPING OVER ANY ELECTRICAL PANELS UNDER ANY CIRCUMSTANCES. ANY PIPING RUN OVER PANELS SHALL BE RE-ROUTED AT NO ADDITIONAL COST.
  - PROVIDE SANITARY WASTE, VENT, DOMESTIC WATER, ETC. ROUGH-IN AND MAKE FINAL CONNECTIONS (TO INCLUDE PROVIDING ALL NECESSARY RELATED STOPS, VALVES, TRAPS, ETC. AND MAKE READY FOR USE) TO ALL EQUIPMENT, WHETHER FURNISHED BY THIS CONTRACTOR OR FURNISHED BY OTHERS.
  - PROVIDE WATER HAMMER ARRESTOR ON H & CW PIPE.
  - CONTRACTOR TO PROVIDE ALL APPURTENANCES TO COMPLETE INSTALLATION AND CONNECTIONS IN ITS ENTIRETY TO FIXTURES AND EQUIPMENT.
  - ENTIRETY TO FIXTURES AND EQUIPMENT.

### PLUMBING SPECIFICATIONS

**GENERAL:**  
THE GENERAL MECHANICAL SPECIFICATIONS APPLY TO THE WORK SPECIFIED IN THIS SECTION.

**SCOPE OF WORK:**  
PROVIDE A COMPLETE PLUMBING SYSTEM AS INDICATED ON THE DESIGN DRAWINGS AND AS OUTLINED WITHIN THESE SPECIFICATIONS. WORK SHALL INCLUDE BUT NOT BE LIMITED TO EQUIPMENT, THE FABRICATION AND/OR INSTALLATION OF THE SCHEDULED PLUMBING FIXTURES, EQUIPMENT AND RELATED PIPING. THE COMPLETED PLUMBING SYSTEM SHALL MEET ALL APPLICABLE STATE & LOCAL CODES AND STANDARDS.

**PRODUCTS:**  
ALL EQUIPMENT, ETC., SHALL BE NEW, AND AS SPECIFIED FREE OF DEFECTS AS SHOWN ON THE DRAWINGS AND AS INDICATED IN THESE SPECIFICATIONS. ALL ELECTRICAL POWERED EQUIPMENT SHALL BE UL LISTED.

**WATER SUPPLY SYSTEM:**  
EXTEND WATER SERVICE AS INDICATED ON DESIGN DRAWINGS.  
PROVIDE SHOCK ABSORBERS AND VACUUM BREAKERS WHERE REQUIRED.

PIPE AND FITTINGS ABOVE GROUND - TYPE L HARD COPPER AND WROUGHT COPPER FITTINGS, WITH SOLDERED JOINTS (USE ONLY "LEAD FREE" SOLDER).

PIPE AND FITTINGS BELOW GROUND - TYPE "K" SOFT COPPER. PROVIDE POLYBUTYLENE WRAPPING.

VALVES (3 INCH AND LARGER) - GATES VALVES - ALL BRONZE, RISING STEM, DOUBLE WEDGE TAPER SEAT, 125 PSI STEAM PRESSURE.  
VALVES (2-1/2 INCH AND SMALLER) TWO PIECE 400 PSI WSP FULL PORT BRONZE BODY BALL VALVE WITH THREADED ENDS, LOCKABLE LEVER HANDLE AND REPLACEABLE TEFLON OR TFE SEATS.

CHLORINATION - BEFORE BEING PLACED IN SERVICE ALL WATER DISTRIBUTION SYSTEMS SHALL BE STERILIZED WITH CHLORINE IN ACCORDANCE WITH PLUMBING CODE AND AWWA C-651 OR C-652 STANDARD PROCEDURE FOR DISINFECTING WATER MAINS.

**DRAINAGE SYSTEM:**  
EXTEND PIPING FROM NEW FIXTURES AND EQUIPMENT AND CONNECT TO SYSTEMS AS INDICATED ON THE DRAWINGS.

**PIPE SLOPE:**  
2-1/2 INCH DIAMETER AND LESS SHALL BE INSTALLED WITH SLOPE OF NOT LESS THAN 1/4 INCH PER FOOT.  
3 INCH DIAMETER OR LARGER SHALL BE INSTALLED WITH A SLOPE NOT LESS THAN 1/8 INCH PER FOOT.  
CONDENSATE LINES SHALL BE SLOPED A MINIMUM OF 1/8" INCH PER FOOT.

**PIPE AND FITTINGS:**  
ABOVE GRADE:  
SCHEDULE 40 PVC, DWV COPPER, OR SERVICE WEIGHT CAST IRON  
DRAIN, WASTE AND VENT PIPING LOCATED IN FIRE RATED WALL ASSEMBLIES AND RETURN AIR PLENUMS SHALL BE SERVICE-WEIGHT CAST IRON WITH SPIGOT FITTINGS OR HUBLESS SOIL PIPE COUPLINGS AS MANUFACTURED BY MISSION (HW), HUSKEY OR CLAMPALL (125# OF TORQUE).  
BELOW GRADE:  
SCHEDULE 40 PVC OR SERVICE WEIGHT CAST IRON WITH HUB AND SPIGOT FITTINGS OR HUBLESS SOIL PIPE COUPLINGS AS MANUFACTURED BY MISSION (HW), HUSKEY OR CLAMPALL (125# OF TORQUE).  
PROVIDE CLEANOUTS EVERY 75 FEET, AT CHANGES IN DIRECTION, AT BASE OF DOWNSPOUTS AND AT BASE OF SOIL AND WASTE STACKS.  
SHOCK ARRESTOR: MIFAB, SIOUX CHIEF OR EQUAL  
WALL CLEANOUT: MIFAB, ZURN, JONESPEC, JOSAM OR EQUAL  
FLOOR CLEANOUT: MIFAB, ZURN, JONESPEC, JOSAM OR EQUAL  
VENTS SHALL BE EXTENDED TO EXTERIOR OF BUILDING. AIR ADMITTANCE VALVES ARE NOT ACCEPTABLE.

**HANGERS AND SUPPORTS:**  
PROVIDE ALL NECESSARY PIPE SUPPORTS, HANGER RODS, CLAMPS AND ATTACHMENTS TO PROPERLY INSTALL AND SUPPORT PIPING AND EQUIPMENT FROM THE BUILDING STRUCTURE.  
PROVIDE ANY ANGLE IRON OR UNISTRUT AND SUSPENSION RODS REQUIRED TO INSTALL EQUIPMENT, PIPING AND DUCTWORK.  
ALL SUPPORTS EXPOSED TO OUTDOORS SHALL BE CLEANED, PRIMED AND PAINTED TO PREVENT RUSTING. FINISH COLOR AS SELECTED BY OWNER.  
THE USE OF BALING WIRE OR PERFORATED METAL STRAPPING IS NOT ACCEPTABLE FOR SUPPORTS.

**WARRANTY/GUARANTEE:**  
THE CONTRACTOR SHALL WARRANTY/GUARANTEE AND MAINTAIN THE STABILITY OF WORK AND MATERIALS AND KEEP SAME IN PERFECT REPAIR AND CONDITION FOR THE ENTIRE DURATION OF PROJECT.  
DEFECTS OF ANY KIND DUE TO FAULTY WORK OR MATERIALS APPEARING DURING THE ABOVE MENTIONED PERIOD MUST BE IMMEDIATELY MADE GOOD BY THE CONTRACTOR AT HIS OWN EXPENSE TO THE ENTIRE SATISFACTION OF THE OWNER AND ARCHITECT AND ENGINEER. SUCH RECONSTRUCTION AND REPAIRS SHALL INCLUDE ALL DAMAGE TO THE FINISH OR FURNISHING OF THE BUILDING RESULTING FROM THE ORIGINAL DEFECT OR REPAIRS THERETO.

**SYSTEM IDENTification:**  
PROVIDE IDENTIFICATION LABELS ON OR NEAR EACH PIECE OF MAJOR EQUIPMENT AND EACH OPERATIONAL DEVICE AND DISCONNECT. THE LABELS SHALL BE CONSTRUCTED OF ENGRAVED PLASTIC LAMINATE SIGN OR PLASTIC EQUIPMENT MARKER PERMANENTLY SECURED TO EQUIPMENT. THE LETTERING SHALL BE A MINIMUM OF 1/2 INCH HIGH FOR EQUIPMENT NAME AND 3/8 INCH FOR EQUIPMENT INFORMATION.  
ALL VALVES SHALL BE TAGGED USING PLASTIC LAMINATE TAGS AND SECURED WITH CRASS CHAINS. THE TAGS SHALL INDICATE THE VALVE SIZE, SERVICE AND FUNCTION (IE. 2" CW., MAIN SERVICE SHUTOFF).  
**CLEANING, TESTING AND ADJUSTING:**  
THE PLUMBING CONTRACTOR, AT HIS EXPENSE, SHALL CLEAN, REPAIR, ADJUST, CHECK, BALANCE, AND PLACE IN SERVICE THE VARIOUS SYSTEMS HEREIN SPECIFIED WITH THEIR RESPECTIVE EQUIPMENT, ACCESSORIES AND PIPING. HE SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT, AND TOOLS REQUIRED TO PERFORM TESTS REQUIRED BY THESE SPECIFICATIONS AND BY THE GOVERNING AUTHORITIES.  
NO WORK SHALL BE COVERED OR CONCEALED UNTIL PROPERLY INSPECTED AND TESTED.  
**TESTING:**  
ALL DOMESTIC WATER PIPING SYSTEMS SHALL BE TESTED FOR ABSOLUTE TIGHTNESS BY SUBJECTING THE SYSTEM TO HYDROSTATIC PRESSURE OF 150 PSI GAUGE OR 50 PSI OVER WORKING PRESSURE, WHICHEVER IS HIGHER FOR A PERIOD OF NOT LESS THAN EIGHT (8) HOURS. ALL LEAKS SHALL BE REPAIRED AND THE HYDROSTATIC TEST REAPPLIED UNTIL, FOR AN EIGHT (8) HOUR PERIOD, NO LEAKS CAN BE FOUND WHILE THE SYSTEM IS SUBJECT TO THE TEST PRESSURE.  
SOIL, VENT PIPES AND CONDENSATE DRAINS SHALL BE TESTED BY TEMPORARILY PLUGGING ALL OUTLETS AND FILLING THE SYSTEM WITH WATER TO THE LEVEL OF THE HIGHEST VENT STACK. THE SYSTEM MUST BE INSPECTED AND ALL LEAKS REPAIRED AND THE TEST REPEATED UNTIL THE WATER LEVEL DOES NOT DECREASE FOR A PERIOD OF 24 HOURS.  
INSULATE ALL CONDENSATE PIPE.  
IN LIEU OF FIBERGLASS INSULATION SPECIFIED ABOVE THE CONTRACTOR HAS THE OPTION TO USE AN EQUAL THICKNESS OF FLEXIBLE CLOSED-FOAM INSULATION (ARMAFLEX AP) OR EQUAL WITH SELF SEAL SEAMS. INSULATION IS TO BE RATED FOR USE IN RETURN AIR PLENUM (FLAME SPREAD RATING OF 25 OR LESS AND SMOKE DEVELOPED RATING OF 50 OR LESS PER ASTM E-84).  
CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING AND INSTALLING ADEQUATE AND PROPER INSULATION AND MOISTURE-SEAL IN A MANNER THAT WILL PERMANENTLY PREVENT THE ACCUMULATION OF ANY OBJECTIONABLE MOISTURE ON THE EXTERIOR CONDENSATE DRAIN OR STORM WATER PIPING, OR OTHER PARTS OF THE SYSTEM. CONTRACTOR SHALL CORRECT THE CAUSE OF ANY CONDENSATION AND WITHOUT COST TO THE OWNER, ANY DAMAGES TO BUILDING SURFACES, FURNISHINGS OR EQUIPMENT CAUSED BY CONDENSATION FROM THIS SYSTEM, FOR THE FULL PERIOD OF THE GUARANTEE.

## ELECTRIC WATER HEATER SCHEDULE

MARK	MAKE & MODEL NO.	TANK CAP./ GAL.	KW	VOLTS/PH	RECOVERY GPH @ 100° F	THERM EFF	DIMS. HX DIA OR HXWD	REMARKS
EWH-1	A.O.SMITH PROMAX ECT-30	30	4.5	240/1	21	98%	46.5X18"Ø	
EWH-2	EEMAX SP3012	NA	3	120/1	NA	98%		POINT OF USE

## PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	MODEL	FITTINGS OR VALVES	SUPPLIES	TRAP	MOUNTING	ACCESSORIES	COLD	HOT	WASTE	VENT	REMARKS
L-1	HANDICAP LAVATORY	AMERICAN STANDARD	ROXALYN 0195.073	AM STD MONTERREY WIDE SPREAD COMM BATHROOM FAUCET 6540.175	BRASS CRAFT OCR1912AZ	CHROME BRASS	WALLBRACKET	GOOSENECK FAUCET WITH WRIST BLADES GRID STRAINER	1/2"	CAP	1 1/4"	1 1/4"	SUPPLY W/TRAP INSULATION KIT
S-1	SINK	DAYTON	D125213	AM STD MONTERREY WIDE SPREAD COMM BATHROOM FAUCET 6540.175	BRASS CRAFT OCR1912AZ	CHROME BRASS	COUNTER DROP-IN	BASKET STRAINER	1/2"	1/2"	1 1/2"	1 1/2"	SINK ADA COMPLIANT WHEN PROPERLY INSTALLED BOWL 21X15.75X6.375 OVERALL 25X21.25X6.916 3 HOLE PUNCHING.
FD-1	FLOOR DRAIN	ZURN	GR-FR06N1-C3N-PS-CC						1/2"				3" FD WITH TRAP PRIMER
EWH	WATER HEATER	LOCHINVAR	ETA040KK	HEAT TAPS & SHUTOFF VALVE					3/4"	3/4"			VALVE
EWV	WATER COOLER	OASIS	PG85BF PG8AC W/ WATER FILLER	BRASS SUPPLY & STOPS	BRASS CRAFT OCR1912AZ	INTEGRAL	WALL MTD		1/2"		1 1/4"	1 1/4"	ADA COMPLIANT, SEE ARCH ELEV.

## WATER HAMMER ARRESTOR

SYMBOL	PIPE	PDI	FIXTURE UNIT
	SIZE 2"	STANDARD	CAP 1 TO 11
	3/4"	B	12 TO
	1"	C	33 TO
	1-1/4"	D	60 TO 113

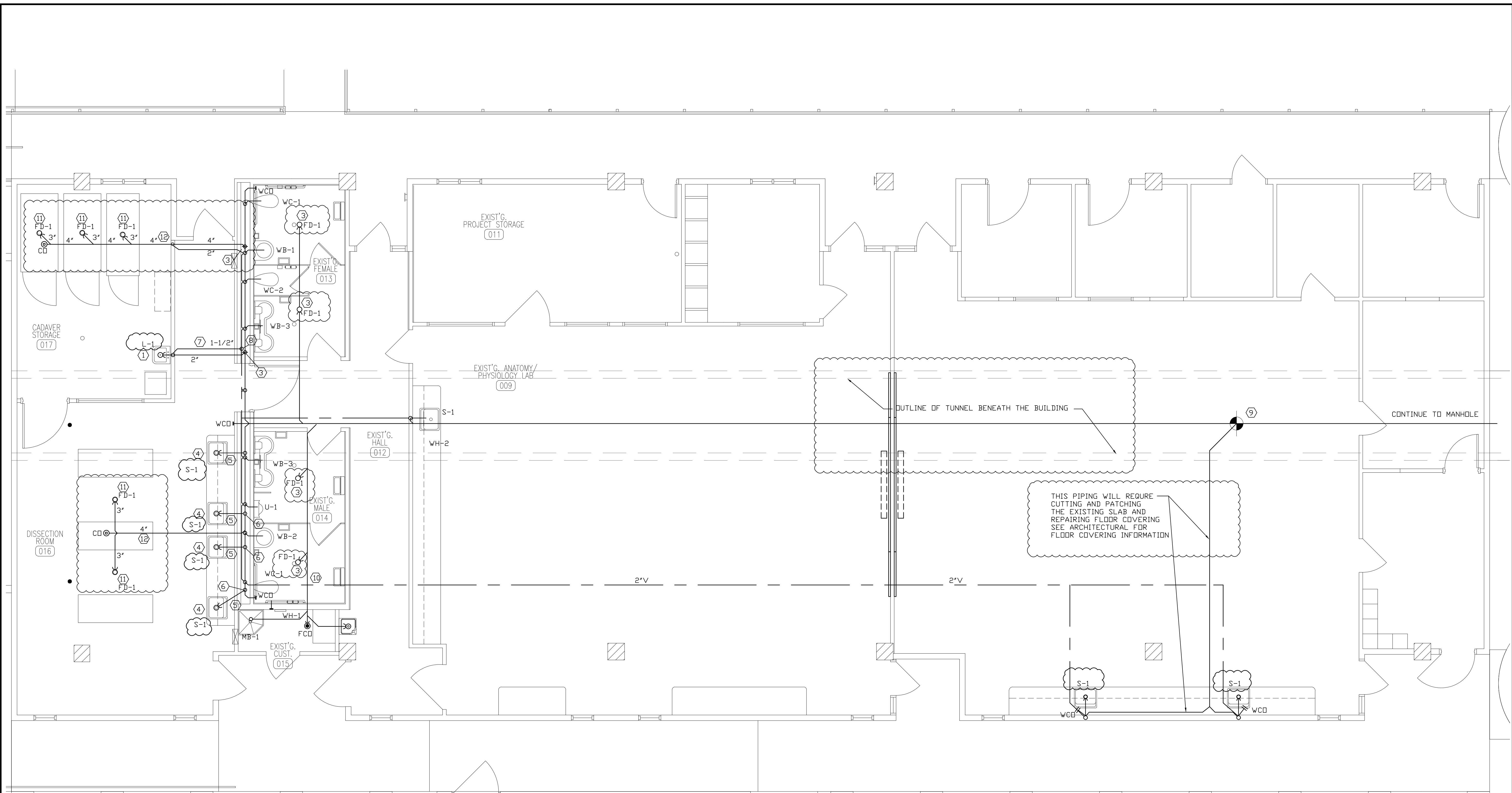
ADDENDUM #4 4-20-20  
ADDENDUM #3 4-15-20  
CONTRACT DOCUMENTS

COBURN AND ASSOCIATES, INC  
MECHANICAL • ELECTRICAL • HIGH SPRINGS, FLORIDA • PH 386-454-3748 • FAX 386-454-2652  
P.O. BOX 677 • HIGH SPRINGS, FLORIDA • PH 386-454-3748 • FAX 386-454-2652  
CERTIFICATE OF AUTHORIZATION 3687

FLORIDA GATEWAY COLLEGE BLDG 17  
WELCOME CENTER RENOVATIONS  
LAKE CITY, FLORIDA

COBURN & ASSOCIATES  
ENGINEERS & ARCHITECTS  
FLORIDA LICENSE # 9706667  
P.O. BOX 677 • HIGH SPRINGS, FLORIDA  
HIGH SPRINGS, FLORIDA  
RICHMOND, E. COBURN, PE  
PH 386-454-3748  
CA JOB NO. 1995

DATE 3/30/20  
DRAWN CAS  
APPROVED REC  
P1  
OF SHEETS

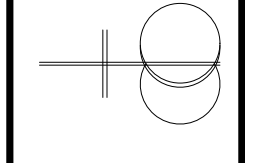


- NEW PLUMBING PLAN NOTES
- ① NEW HANDSINK
  - ② CUT SLAB AND INSTALL NEW DRAIN, CONNECT TO EXISTING DRAIN
  - ③ CONNECT NEW DRAIN TO EXISTING
  - ④ NEW SINK
  - ⑤ NEW 1-1/2" WASTE ARM
  - ⑥ DRAIN DOWN; VENT UP CONNECT TO EXISTING
  - ⑦ NEW 1-1/2" VENT ABOVE CONNECT TO EXISTING
  - ⑧ CONNECT TO EXISTING
  - ⑨ FIELD VERIFY & CONNECT TO EXISTING 6" SAN IN TUNNEL
  - ⑩ FIELD VERIFY & CONNECT TO EXISTING VENT
  - ⑪ NEW 3" FD WITH TRAP PRIMER
  - ⑫ NEW 4" SANITARY LINE CONNECT TO EXISTING LINE

NEW SANITARY PLAN  
SCALE 1/4"=1'0"

ADDENDUM #3 4-15-20  
CONTRACT DOCUMENTS

COBURN AND ASSOCIATES, INC  
MECHANICAL • ELECTRICAL • CONSULTING ENGINEERS  
P.O. BOX 577 • HIGH SPRINGS, FLORIDA • PH 386-454-3748 • FAX 386-454-2652  
CERTIFICATE OF AUTHORIZATION 9687



FLORIDA GATEWAY COLLEGE BLDG 17  
WELCOME CENTER RENOVATIONS  
LAKE CITY, FLORIDA

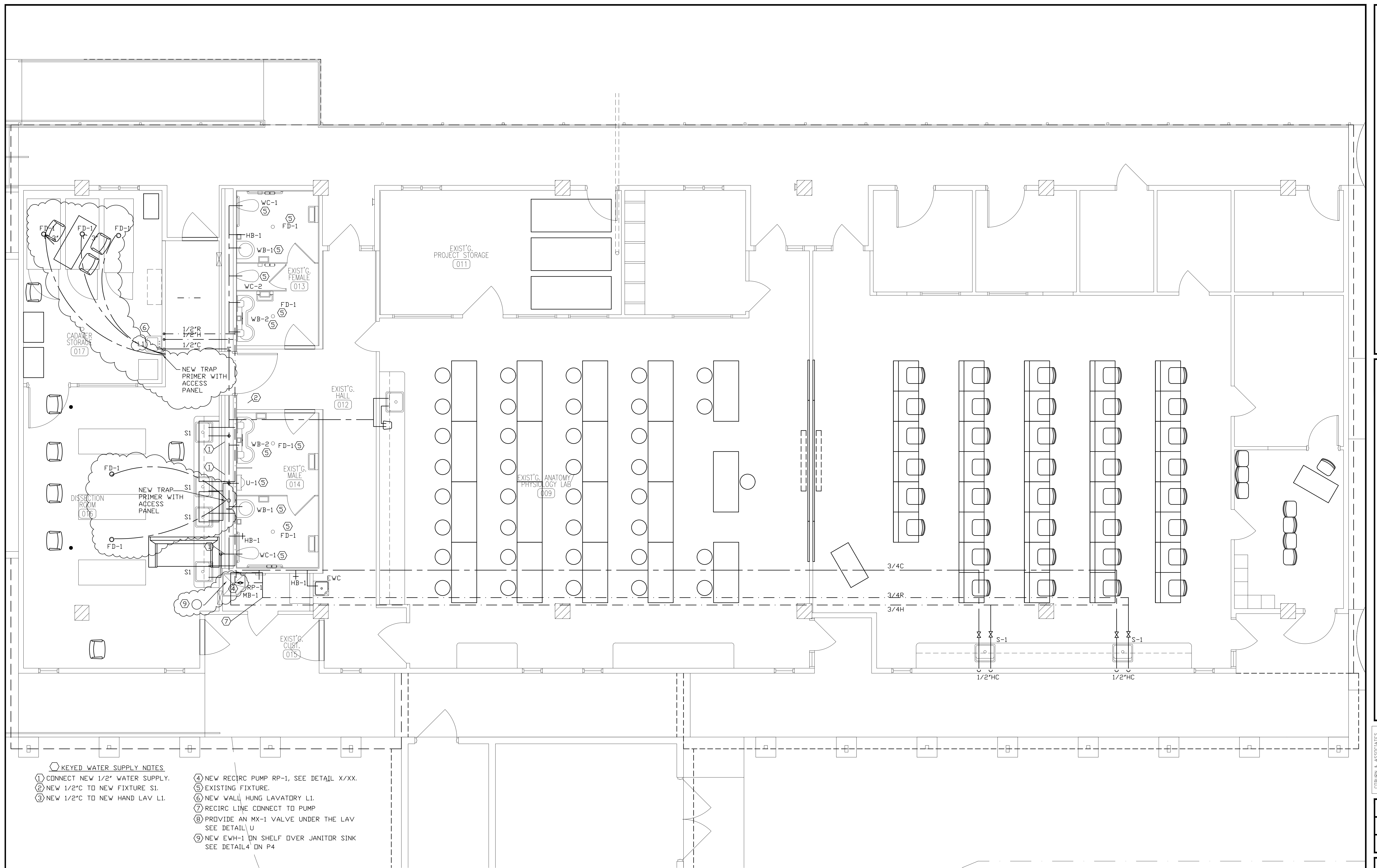
COBURN & ASSOCIATES  
FLORIDA LICENSED  
ENR P.L. 386-577  
HIGH SPRINGS, FLORIDA  
PH 386-454-3748  
RICHARD E. COBURN, PE  
CA JOB NO. 1905

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APPROVED  
REC

OF SHEETS

P2.1

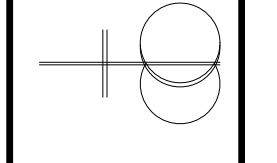
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- KEYED WATER SUPPLY NOTES
- ① CONNECT NEW 1/2" WATER SUPPLY.
  - ② NEW 1/2"C TO NEW FIXTURE S1.
  - ③ NEW 1/2"C TO NEW HAND LAV L1.
  - ④ NEW RECIRC PUMP RP-1, SEE DETAIL X/XX.
  - ⑤ EXISTING FIXTURE.
  - ⑥ NEW WALL HUNG LAVATORY L1.
  - ⑦ RECIRC LINE CONNECT TO PUMP
  - ⑧ PROVIDE AN MX-1 VALVE UNDER THE LAV SEE DETAIL U
  - ⑨ NEW EVH-1 ON SHELF OVER JANITOR SINK SEE DETAIL 4 ON P4

**NEW WATER SUPPLY PLAN**  
SCALE 1/4"=1'0"

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CERTIFICATE OF AUTHORIZATION 3687



**FLORIDA GATEWAY COLLEGE BLDG 17**  
**WELCOME CENTER RENOVATIONS**  
LAKE CITY, FLORIDA

COBURN & ASSOCIATES  
FLORIDA LICENSED  
ENR P.L. 386-57706687  
HIGH SPRINGS, FLORIDA  
PH 386-454-3748  
RICHARD E. COBURN, P.E.  
CA JOB NO. 1905

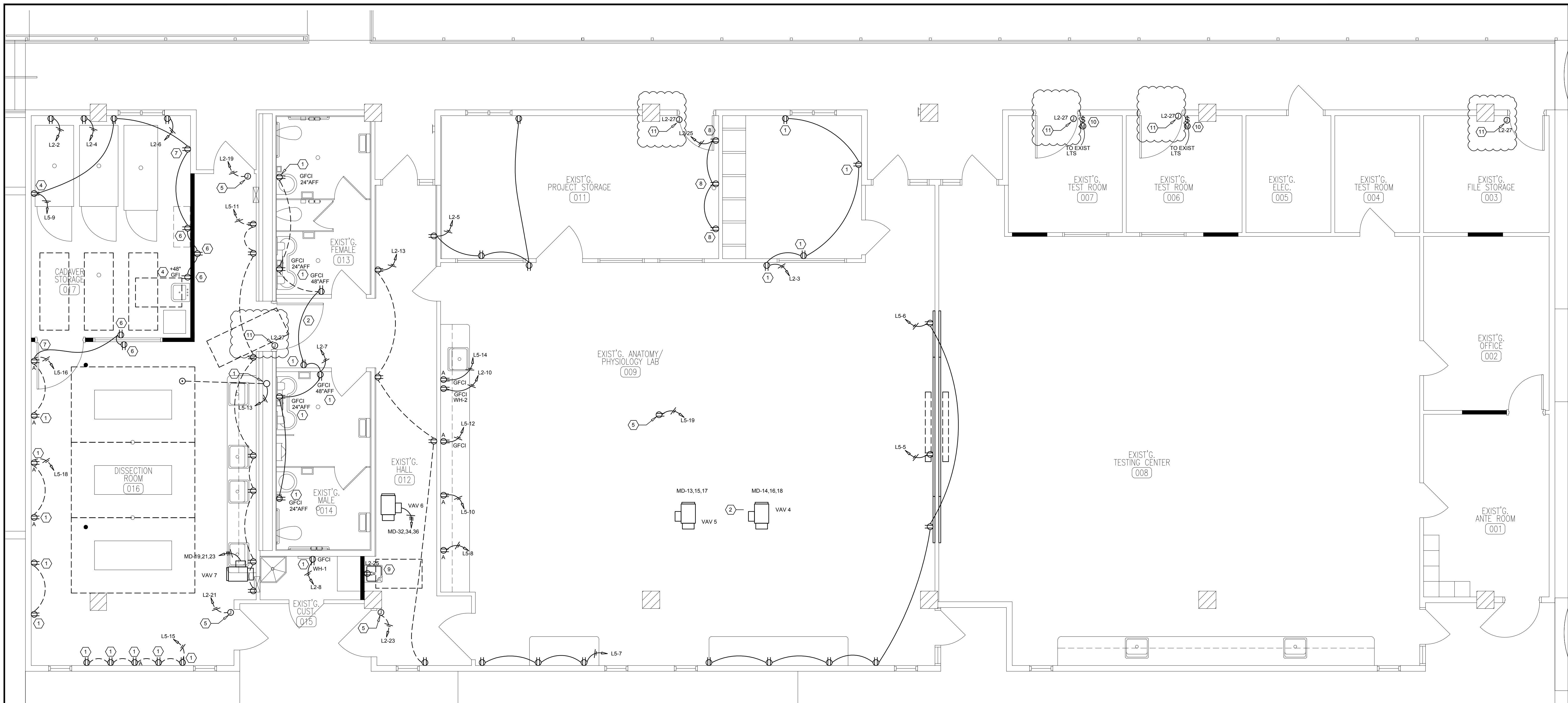
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P3.1  
OF  
SHEETS

**ADDENDUM #4 4-20-20**  
**ADDENDUM #3 4-15-20**  
**CONTRACT DOCUMENTS**



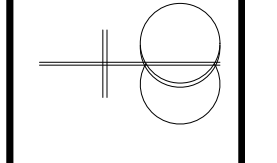




**NEW ELECTRICAL POWER PLAN**  
 SCALE 1/4"=1'0" (approximate)

- KEYED ELECTRICAL NOTES NEW CONSTRUCTION**
- 1 EXISTING CIRCUIT TO REMAIN.
  - 2 RECONNECT CIRCUIT TO RECEPTACLE.
  - 3 RELOCATED CIRCUIT FOR COOLERS.
  - 4 RELOCATE HOME RUN TO THIS OUTLET SEE DEMO NOTE 6
  - 5 EXISTING DOOR OPENER SEE DEMO NOTE 5
  - 6 NEW RECEPTACLE.
  - 7 EXTEND EXISTING CIRCUIT TO NEW RECEPT.
  - 8 CONNECT 3 EXISTING RECEPTACLES TOGETHER AND CIRCUIT TO NEW CKT L2-25 (SPARE)
  - 9 NEW 120V DEDICATED CKT FOR FOR EWC
  - 10 NEW MOTION SENSOR CONTROLLER, VACANCY VACANCY SENSOR-MANUAL ON/VACANCY OFF
  - 11 PROVIDE A 120V JUNCTION BOX AND POWER FOR CARD READER AND DOOR CONTROL COORDINATE THE REQUIREMENTS WITH THE OWNER

**COBURN AND ASSOCIATES, INC**  
 MECHANICAL • ELECTRICAL • CONSULTING ENGINEERS  
 P.O. BOX 577 • HIGH SPRINGS, FLORIDA • PH 386-454-3748 • FAX 386-454-2652  
 CERTIFICATE OF AUTHORIZATION 9687



**FLORIDA GATEWAY COLLEGE BLDG 17**  
**WELCOME CENTER RENOVATIONS**  
 LAKE CITY, FLORIDA

COBURN & ASSOCIATES  
 ENGINEERS  
 FLORIDA LICENSE  
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