

GASTON COLLEGE FIC CARDING ROOM EQUIPMENT PHASE III PLUMBING CONNECTIONS - COMPRESSED AIR

MCKIM & CREED PROJECT # 10663-0002, GASTON COLLEGE ID# 31280



GASTON COLLEGE

GASTON COLLEGE, KIMBRELL CAMPUS
7224 WILKINSON BOULEVARD
BELMONT, NC 28012

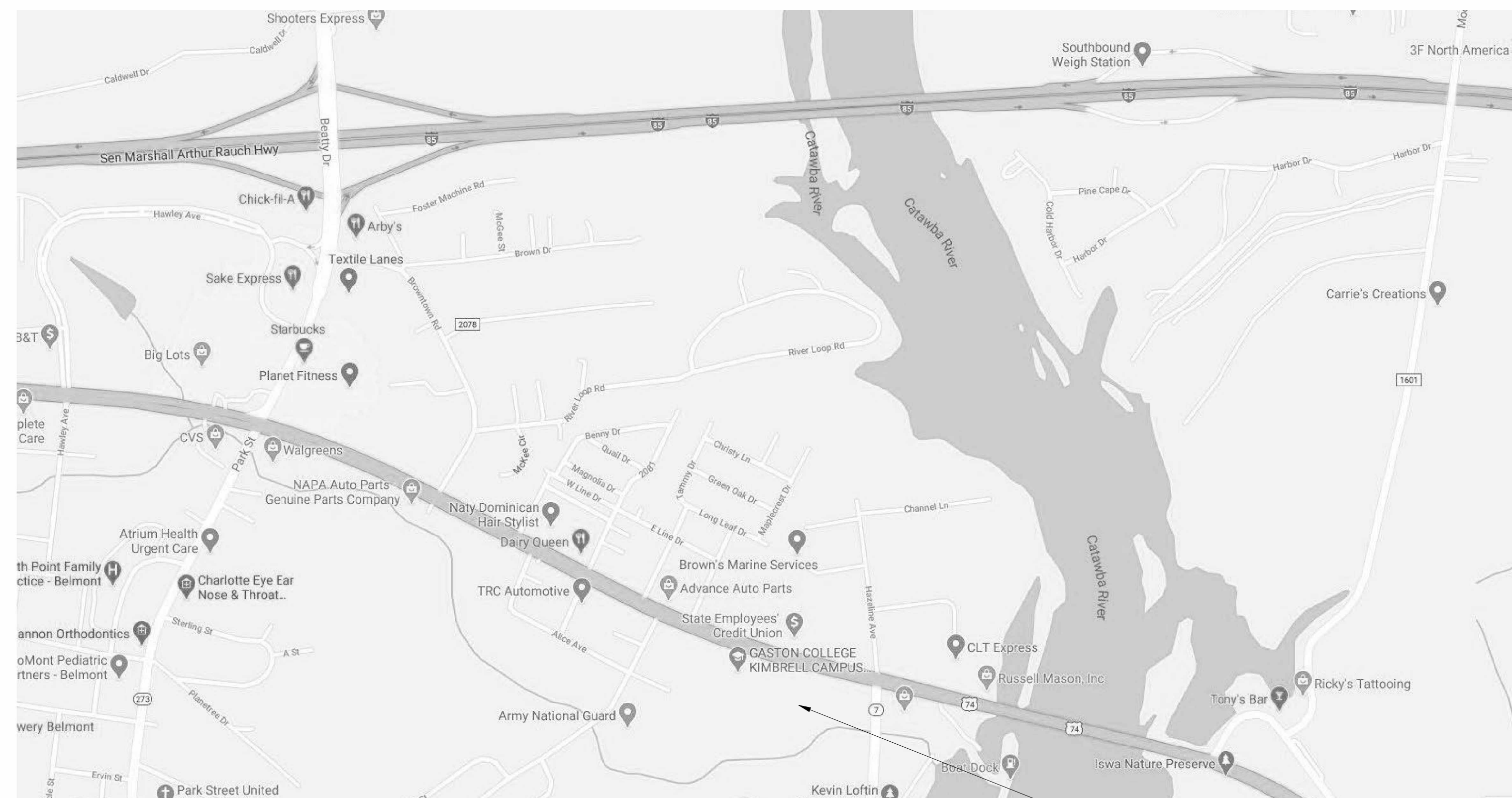


ENGINEER - MEP



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VICINITY MAP
NOT TO SCALE

GASTON COLLEGE KIMBRELL CAMPUS

LIST OF DRAWINGS

GENERALS

G001 COVER SHEET
G002 APPENDIX B
G003 APPENDIX B

PLUMBING

P001 PLUMBING DATA SHEET
P010 PLUMBING SPECIFICATIONS
P101 PLUMBING SUPPLY - FIRST FLOOR PLAN
P401 PLUMBING ENLARGED PLANS

BID SET
COVER SHEET G001
06/12/2026

**2018 APPENDIX B
 BUILDING CODE SUMMARY
 FOR ALL COMMERCIAL PROJECTS
 (EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)**
 (Reproduce the following data on the building plans sheet 1 or 2)

Name of Project: GASTON COLLEGE FIC CARDING ROOM EQUIPMENT - PHASE III
 Address: 7224 WILKINSON BOULEVARD BELMONT Zip Code 28012
 Owner/Authorized Agent: _____ Phone # _____ E-Mail _____
 Owned By: City/County Private State
 Code Enforcement Jurisdiction: City County Gaston State

CONTACT:

DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE #	E-MAIL
Architectural					
Civil					
Electrical					
Fire Alarm					
Plumbing	Mckim & Creed	Brian Denson	09638	704.841.2588	bdenson@mckimcreed.com
Mechanical					
Sprinkler-Standard					
Structural					
Retaining Walls >5' High					
Other					

Others should include firms and individuals such as: process, pre-engineered, interior designers, etc.)

2018 NC CODE FOR: New Construction Addition Renovation
 1st Time Interior Completion
 Shell/Car Phased Construction - Shell/Core
 Renovation

2018 NC EXISTING BUILDING CODE: Prescriptive Repair Chapter 14
 Alteration: Level I Level II Level III
 Historic Property Change of Use

CONSTRUCTED: (date) _____ **ORIGINAL OCCUPANCY(S)** (Ch. 3): _____
RENOVATED: (date) _____ **CURRENT OCCUPANCY(S)** (Ch. 3): _____

RISK CATEGORY (table 1604.5) Current: I II III IV
 Proposed: I II III IV

BASIC BUILDING DATA

Construction Type: I-A I-B II-A II-B III-A III-B IV V-A V-B
 (check all that apply)

Sprinklers: No Partial Yes NFPA 13 NFPA 13R NFPA 13D

Standpipes: No Yes Class I II III Wet Dry

Fire District: No Yes (Primary) Flood Hazard Area: No Yes
 Special Inspections Required: No Yes - Only for Retaining Walls > 5'

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FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING	PROVIDED (Y/N) (REVISION)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	DESIGN # FOR RATED JOINTS
Structural Frame, including columns, girders, trusses		0	0			
Roofing Slab						
Exterior						
North	>30	0	0			
East	>30	0	0			
West	>30	0	0			
South	>30	0	0			
Interior						
Nonbearing Walls and Partitions						
Exterior walls						
North	0	0				
East	0	0				
West	0	0				
South	0	0				
Interior walls and partitions						
Floor Construction						
Including supporting beams and joists						
Floor Ceiling Assembly						
Column Supporting Floor						
Roof Construction, including supporting beams and joists						
Roof Ceiling Assembly						
Roof Supporting Roof						
Shell Enclosure - East	N/A	N/A				
Shell Enclosure - Other	N/A	N/A				
Corridor Separation						
Occupancy Fire Barrier Separation	1 HR	1 HR	1/004	1/465	C-AJ-1001	100-15-004
Party Fire Wall Separation	2 HR	2 HR	2/002	N/A/11		
Smoke Partition Separation	0	0				
Smoke Partition	0	0				
Family Dwelling Unit Sleeping Unit Separation	N/A	N/A				
Incidental Use Separation	N/A	N/A				

NOT APPLICABLE

PERCENTAGE OF WALL OPENING CALCULATIONS

FIRE SEPARATION DISTANCE (FEET FROM PROPERTY LINES)	DEGREES OF OPENINGS PROTECTION (TABLE 703.5)	ALLOWABLE AREA (%)	ACTUAL SHOWINGS PLANS (%)
30 or greater	Unprotected, Sprinklered	No limit	No limit

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ENERGY REQUIREMENTS

The following data shall be considered minimum and any special attribute required to meet the North Carolina Energy Conservation Code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan submittal. If performance method, state the annual energy cost for the standard reference design vs. annual energy cost for the proposed design.

Existing building envelope complies with code: No Yes (The remainder of this section is not applicable)

Exempt Building: No Yes (Provide Code or Statutory reference: _____)

Climate Zone: 3A 4A 5A

Method of Compliance: Energy Code Performance Prescriptive
 ASHRAE 90.1: Performance Prescriptive
 (If "Other" specify source here: _____)

THERMAL ENVELOPE (Prescriptive method only)

Roofing Assembly (each assembly)

Description of assembly: _____
 U-Value of total assembly: _____
 R-Value of insulation: _____
 Skylights in each assembly: _____

Total sq. ft. _____

Exterior Walls (each assembly)

Description of assembly: _____
 U-Value of total assembly: _____
 R-Value of insulation: _____
 Openings (windows or doors with glazing): _____
 U-Value of opening: _____
 Solar heat gain coefficient: _____
 Projection factor: _____
 Door U-Value: _____

Walls below grade (each assembly) - N/A
 Description of assembly: _____
 U-Value of total assembly: _____
 R-Value of insulation: _____

Floors over unconditioned space (each assembly) - N/A
 Description of assembly: _____
 U-Value of total assembly: _____
 R-Value of insulation: _____
 Horizontal/Vertical requirement: _____
 Slab Head: _____

Floors slab on grade

Description of assembly: _____
 U-Value of total assembly: _____
 R-Value of insulation: _____
 Horizontal/Vertical requirement: _____
 Slab Head: _____

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**2018 APPENDIX B
 BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS**
 (PROVIDE ON THE ELECTRICAL SHEETS IF APPLICABLE)

ELECTRICAL SUMMARY

ELECTRICAL SYSTEM AND EQUIPMENT: SEE ELECTRICAL DRAWINGS

Method of Compliance: Energy Code: Prescriptive Performance
 ASHRAE 90.1: Prescriptive Performance

Lighting schedule (each fixture type)

lamp type required in fixture: LED
 number of lamps in fixture: N/A
 ballast type used in the fixture: N/A
 number of ballasts in fixture: N/A
 total wattage per fixture: See Sheet E002
 total interior wattage specified vs. allowed (whole building): Whole Bldg. 21,789W vs. 48,177W
 total exterior wattage specified vs. allowed: 2,953W vs. 3,172W

Additional Efficiency Package Options (When using the 2018 NCECC; not required for ASHRAE 90.1)

C406.2 More Efficient Mechanical Equipment
 C4
 C4.1
 C4.2
 C406.7 Reduced Energy Use in Service Water Heating

NOT APPLICABLE

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Gross Building Area:

FLOOR	EXISTING (SQ. FT.)	NEW (SQ. FT.)	RENO/ALTER (SQ. FT.)	SUB-TOTAL
6 th Floor				
5 th Floor				
4 th Floor				
3 rd Floor				
2 nd Floor				
Mezzanine				
1 st Floor		37,558		
Basement				
TOTAL		37,558		

* A mezzanine shall be considered a portion of the story below. Such mezzanines shall not contribute to either the building area or number of stories per NCBC Section 505.2.

ALLOWABLE AREA

Primary Occupancy Classification: SELECT ONE

Assembly A-1 A-2 A-3 A-4 A-5
 Business B-1 B-2 B-3 B-4 B-5
 Educational E-1 E-2 E-3 E-4 E-5
 Factory F-1 Moderate F-2 Low
 Hazardous H-1 Detonate H-2 Deflagrate H-3 Combust H-4 Health H-5 HPM
 Institutional I-1 Condition I-2 Condition I-3 Condition I-4
 Mercantile M-1 M-2
 Residential R-1 R-2
 Storage S-1 Moderate S-2 Low High-piled
 Parking Garage Open Enclosed Repair Garage
 Utility and Miscellaneous U-1
 H-3, H-4

Accessory Occupancy Classification: _____
Incidental Uses (Table 509): _____
Special Uses (Chapter 4 - List Code Sections): _____
Special Provisions (Chapter 5 - List Code Sections): _____

Mixed Occupancy: No Yes Separation: 1 & 2 Hr. Exception

Non-Separated Use (508.3)
 The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.
 Separated Use (508.4)
 See below for area calculations for each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.

$$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1$$

$$\frac{0.28}{0.28} + \frac{0.06}{0.06} = 0.34 \leq 1.00$$

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LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting: No Yes
 Exit Signs: No Yes
 Fire Alarms: No Yes
 Smoke Detection Systems: No Yes Partial
 Carbon Monoxide Detection: No Yes

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet # G001

Fire and/or smoke rated wall locations (Chapter 7)
 Assumed and real property line locations (if not on the site plan)
 Exterior wall opening area with respect to distance to assumed property lines (705.6)
 Occupancy types for each area as it relates to occupant load calculation (Table 1604.1.2)
 Occupant loads for each area
 Exit access travel distances (1017)
 Common path of travel distances (1006.2.1 & 2006.3.2(1))
 Dead end lengths (1020.4)
 Clear exit widths for each exit door
 Clear exit widths for each exit door
 Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)
 Actual occupant load for each exit door
 A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of egress barrier.
 Location of doors
 Location of doors
 Location of doors
 Location of doors equipped with hold-open devices
 Location of emergency escape windows (1060)
 The square footage of each fire area (200)
 The square footage of each smoke compartment for Occupancy Classification I-2 (407.5)
 Note any code exceptions or table rates that may have been utilized regarding the items above

Section/Tab/Note	Title

ACCESSIBLE DWELLING UNITS - N/A (SECTION 1107)

TOTAL UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS REQUIRED	TYPE A UNITS PROVIDED	TYPE B UNITS REQUIRED	TYPE B UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED

2018 NC Administrative Code and Policies Appendix B for Building

**2018 APPENDIX B
 BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS**
 (PROVIDE ON THE STRUCTURAL SHEETS IF APPLICABLE)

DESIGN LOADS: SEE STRUCTURAL DRAWINGS

Importance Factors: Snow (h) 1.0 Seismic (h) 1.0

Live Loads: Roof 20 psf Mezzanine N/A psf Floor 250/100 psf (Manufacturing / Lobby - Slab on Grade)

Ground Snow Load: 10 psf

Wind Load: Ultimate Wind Speed 115 mph (ASCE-7) Exposure Category C

SEISMIC DESIGN CATEGORY: A B C D

Provide the following Seismic Design Parameters:
Risk Category (Table 1604.5) I II III IV
Spectral Response Acceleration S_s 2.18 % S_1 10.7 %
Site Classification (ASCE 7) A B C D E F

Basic structural Data Frame or Special Steel

Analysis Procedure: Simplified Equivalent Lateral Force Dynamic
Architectural/Mechanical Component anchor? Yes No

LATERAL DESIGN CONTROL: Earthquake Wind

SOIL BEARING CAPACITIES: Field Test (provide copy of test report) 2,500 psf
 Presumptive bearing capacity N/A psf
 Pile size, type, and capacity N/A

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STORY NO.	DESCRIPTION AND USE	(A) BLDG. AREA PER STORY (ACTUAL)	(B) TABLE 506.2 ¹ AREA	(C) AREA PER FOOTING INCREASE ²	(D) ALLOWABLE AREA PER STORY OR UNLIMITED ³
1	Factory F-1	37,558	62,000	15,500	77,500

¹ Footing area increases from Section 506.3 are computed thus:
 a. Perimeter which fronts a public way or open space having 20 feet minimum width = 276' (F)
 b. Total Building Perimeter = 552' (P)
 c. Ratio (F/P) = .50 (F/P)
 d. W = Minimum width of public way = 30' (W)
 e. Percent of footing increase $1 - 100(F/P - 0.25) \times W/30 = .25$ (%)
² Unlimited area applicable under conditions of Section 507.
³ Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).
⁴ The maximum area of open parking garages must comply with Table 406.5.4
⁵ Footing increase is based on the unsheltered area value in Table 506.2.

ALLOWABLE HEIGHT

Building Height in Feet (Table 504.3)	ALLOWABLE (Table 503)	SHOWN ON PLANS	CODE REFERENCE
75	75	36' - 0"	

NOT APPLICABLE

2018 NC Administrative Code and Policies Appendix B for Building

**GASTON COLLEGE, KIMBRELL CAMPUS
 7224 WILKINSON BOULEVARD
 BELMONT, NC 28012**



REV.	DESCRIPTION	DATE

REVISIONS

**GASTON COLLEGE
 FIC CARDING ROOM -
 PHASE III PLUMBING
 CA CONNECTIONS**

APPENDIX B

PROJ. START DATE:	2026-08-12
MCE PROJ. #	19663-0002
DRAWN	CJH
DESIGNED	TDR
CHECKED	BS
PROJ. MGR	TR

STATUS: **BID SET**

G002	SCALE
DRAWING NUMBER	
REVISION	

MCKIM & CREED
 8020 Tower Point Dr.
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 704.641.2587 (Fax)
 NC License # F-1222

Designed TDR Drawn C.J.H.
 Checked BS Date 2026-02-13
 Project No. 10663-0002

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**GASTON COLLEGE, KIMBRELL CAMPUS
 7224 WILKINSON BOULEVARD
 BELMONT, NC 28012**



REV.	DESCRIPTION	DATE

REVISIONS

**GASTON COLLEGE
 FIC CARDING ROOM -
 PHASE III PLUMBING
 CA CONNECTIONS**

APPENDIX B

PROJ. START DATE:	2026-06-12
MCE PROJ. #	10663-0002
DRAWN	C.J.H.
DESIGNED	TDR
CHECKED	BS
PROJ. MGR	TR

STATUS: **BID SET**

G003	SCALE
DRAWING NUMBER	
REVISION	

**ACCESSIBLE PARKING
 (SECTION 1106)**

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES		# OF ACCESSIBLE SPACES PROVIDED			TOTAL # ACCESSIBLE PROVIDED
	REQUIRED	PROVIDED	REGULAR WITH 5' ACCESSIBLE	VAN SPACES WITH 15' ACCESSIBLE	8' ACCESSIBLE	
EXISTING	172*	7	1	1		7
NEW	59*					2
TOTAL		181				9

*49 existing parking spaces will be demolished for new construction. 58 new spaces will be added in the new construction. Net difference = 19 spaces. See civil drawings for details.

PLUMBING FIXTURE REQUIREMENTS - SEE OCC. LOAD TABLE ON SHEET G003 (TABLE 2902.1)

USE	WASH CLOSETS			URINALS	LAVATORIES			SHOWERS	DRINKING FOUNTAINS	
	MALE	FEMALE	UNSEX		MALE	FEMALE	UNSEX		REGULAR	ACCESSIBLE
SPACE	EXIST'G									
NEW	1	2		1	2	2	1		1	1
RETO.	1	1			1	1	1		1	1

SPECIAL APPROVALS

Special approval: (Local) **NOT APPLICABLE** (the below)

SCO: (Dist./Gaston County) **NOT APPLICABLE**

2018 NC Administrative Code and Policies Appendix B for Building

**2018 APPENDIX B
 BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
 MECHANICAL DESIGN
 (PROVIDE ON THE MECHANICAL SHEETS IF APPLICABLE)**

MECHANICAL SUMMARY

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT: SEE MECHANICAL DRAWINGS

Thermal Zone
 winter dry bulb: 18.0°F
 summer dry bulb: 94.0°F DB / 74.0°F WB

Interior design conditions
 winter dry bulb: 70.0°F
 summer dry bulb: 80.0°F
 relative humidity: 50%

Building heating load: See Mechanical Schedule for Partial Loading

Building cooling load: See Mechanical Schedule for Partial Loading

Mechanical Spacing Conditioning System

Unitary
 electric heating
 cooling
 size category of unit: See Equipment Schedules

Boiler
 size category: If oversized, state reason.: N/A

Chiller
 size category: If oversized, state reason.: N/A

List equipment efficiencies: See Equipment Schedules and Drawings

2018 NC Administrative Code and Policies Appendix B for Building

PLUMBING SPECIFICATIONS

A. GENERAL

- FURNISH ALL EQUIPMENT, MATERIALS, LABOR, TOOLS, ETC., FOR THE COMPLETE PLUMBING SYSTEM. INSTALL COMPLETE AND PLACE IN OPERATION.
- CONFORM TO ALL GENERAL AND SPECIAL CONDITIONS OF CONTRACT AS SPECIFIED BY ARCHITECT AND/OR OWNER.
- PRODUCTS AND INSTALLATION SHALL COMPLY WITH ALL APPLICABLE LAWS, CODES, GOVERNMENT REGULATIONS, UTILITY COMPANY REQUIREMENTS, ETC. OF ALL AUTHORITIES HAVING JURISDICTION. WHERE CONFLICTS EXIST BETWEEN CODES, STANDARDS OR THIS SPECIFICATION THE MOST STRINGENT SHALL APPLY. DEVIATIONS FROM THE CONTRACT DOCUMENTS REQUIRED BY THE ABOVE AUTHORITIES SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW. OBTAIN PERMITS AND PAY ALL FEES. ARRANGE FOR ALL REQUIRED INSPECTIONS AND APPROVALS. CONFORM ALL UTILITY COMPANY REQUIREMENTS AND CONNECTION POINTS IN THE FIELD PRIOR TO STARTING WORK.
- ALL SPECIFICATIONS AND DRAWINGS, I.E., ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL ARE COMPLEMENTARY AND MUST BE USED IN COMBINATION TO OBTAIN COMPLETE CONSTRUCTION INFORMATION. ANY INFORMATION CONFLICTS WITHIN THE SPECIFICATIONS AND DRAWINGS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION.
- VISIT SITE, CHECK FACILITIES AND CONDITIONS. MAKE ALL NECESSARY OBSERVATIONS, MEASUREMENTS, NOTE CONDITIONS UNDER WHICH WORK IS TO BE PERFORMED, AND TAKE ALL ITEMS INTO CONSIDERATION IN BID.
- THE CONTRACTOR SHALL PROVIDE FOR THEIR OWN CLEAN-UP, REMOVAL AND LEGAL DISPOSAL OF ALL RUBBISH DAILY. CONTRACTORS SHALL PROTECT THEIR WORK AND EXISTING OR ADJACENT PROPERTY AGAINST WEATHER. TO MAINTAIN THEIR WORK, MATERIALS, APPARATUS AND FIXTURES FREE FROM INJURY OR DAMAGE. ANY WORK DAMAGED BY FAILURE TO PROVIDE THE PROTECTION REQUIRED SHALL BE REMOVED AND REPLACED WITH NEW WORK AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL COORDINATE WITH THE OWNER'S PROJECT MANAGER PRIOR TO, AND FOR, SCHEDULING ANY INTERRUPTION OF ANY BUILDING UTILIZATION OF THE BUILDING UNDER CONSTRUCTION. METHODS AND SEQUENCES OF CONSTRUCTION AND THE SAFETY OF WORKMEN.
- NO PIPING, CONTROLS, ETC., SHALL BE INSTALLED OR ROUTED ABOVE ELECTRICAL PANELS AND EQUIPMENT OR THROUGH ELEVATOR MACHINE ROOMS.
- ALL EQUIPMENT AND MATERIAL FOR THIS PROJECT WILL BE NEW UNLESS SPECIFICALLY INDICATED OTHERWISE.
- ALL WORK SHALL BE COORDINATED WITH ALL TRADES INVOLVED. THE CONTRACTOR SHALL COORDINATE AND OBTAIN A WRITTEN LISTING OF ELECTRICAL CHARACTERISTICS OF ALL PLUMBING EQUIPMENT FROM THE ELECTRICAL CONTRACTOR PRIOR TO THE ORDERING OF WORKMEN. NO ADDITIONAL PAYMENT WILL BE MADE FOR LACK OF CONTRACTOR COORDINATION OF ELECTRICAL CHARACTERISTICS.
- PROVIDE SLEEVES EXTENDING 2" MINIMUM ABOVE FINISHED FLOOR AND FIRE STOP ALL FLOOR PENETRATIONS.
- WORK RELATED TO THE EXISTING BUILDING SHALL BE COORDINATED TO MINIMIZE THE INTERFERENCE OR INTERRUPTION OF NORMAL BUILDING USE BY OWNER. REFER TO ARCHITECTURAL PLANS FOR PHASING REQUIREMENTS.
- IN CASES OF DOUBT AS TO THE WORK INTENDED, OR IN THE EVENT OF NEED FOR EXPLANATION THEREOF, THE CONTRACTOR SHALL REQUEST SUPPLEMENTARY INSTRUCTIONS FROM THE ENGINEER. NO CHANGES ARE TO BE MADE TO THE WORK OF THIS CONTRACT WITHOUT PRIOR KNOWLEDGE AND APPROVAL OF THE ENGINEER. THE CONTRACTOR SHALL HOLD THE OWNER AND ITS CONSULTANTS HARMLESS AGAINST ALL CLAIMS AND JUDGMENTS ARISING OUT OF THE CONTRACTOR'S PERFORMANCE OF THE WORK OF THIS CONTRACT. THE CONTRACTOR SHALL NOT PROCEED WITH ANY WORK IN WHICH ADDITIONAL COMPENSATION IS EXPECTED BEYOND THE CONTRACT AMOUNT WITHOUT WRITTEN AUTHORIZATION FROM THE APPROPRIATE AUTHORITY. FAILURE TO OBTAIN SUCH AUTHORIZATION SHALL INVALIDATE ANY CLAIM FOR EXTRA COMPENSATION.
- IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO INSTALL ALL SYSTEMS SO AS TO INSURE QUIET OPERATION. NO VIBRATION OR SOUND SHALL BE TRANSMITTED TO THE BUILDING, STRUCTURE OR OCCUPIED AREAS. THE DECISION OF THE ENGINEER AS TO THE QUIETNESS OF THE SYSTEM AND EQUIPMENT SHALL BE FINAL. IT SHALL BE THIS CONTRACTOR'S RESPONSIBILITY TO CORRECT OR REPLACE ANY NOISY SYSTEM OR EQUIPMENT AS REQUIRED.
- OBTAIN PERMITS AND PAY ALL FEES. ARRANGE FOR ALL REQUIRED INSPECTIONS AND APPROVALS.
- ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS", LATEST EDITION, ALL REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60, EXCEPT TIES, WHICH MAY BE GRADE 40. ALL REINFORCING BARS SHALL BE FABRICATED AND PLACED IN ACCORDANCE WITH ACI 315 AND CONCRETE REINFORCING STEEL INSTITUTE RECOMMENDATIONS. CONCRETE CURING PROCEDURES SHALL BE IN ACCORDANCE WITH ACI 301. CONCRETE SHALL BE NORMAL WEIGHT CONCRETE WITH 3500 PSI MINIMUM 28 DAY COMPRESSION STRENGTH.

B. DRAWINGS

- DRAWINGS ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY THE SCOPE AND GENERAL ARRANGEMENT OF WORK. CONFIRM ALL DIMENSIONS BY FIELD MEASUREMENT.
- THE EXACT LOCATIONS, MATERIALS, FIXTURES, EQUIPMENT AND PIPING WHICH IS NOT COVERED BY DRAWINGS, SHALL BE OBTAINED FROM THE ARCHITECT OR THEIR REPRESENTATIVE IN THE FIELD, AND THE WORK SHALL BE LAID OUT ACCORDINGLY.
- ALL OFFSETS, RISERS, TRANSITIONS AND DROPS IN PIPING AROUND OBSTRUCTIONS SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
- LOCATIONS OF TERMINAL DEVICES, PLUMBING FIXTURES, ETC. ARE APPROXIMATE. LOCATE PER THE ARCHITECTURAL DRAWINGS AND TO AVOID OTHER TRADES WORK. COORDINATE LOCATIONS WITH OTHER TRADES. CONSULT ARCHITECT/ENGINEER FOR CLARIFICATION IF CONFLICTS OCCUR.
- DRAWINGS AND SPECIFICATIONS ARE INTENDED TO BE SUPPLEMENTARY. ANY MATERIALS, LABOR OR SERVICES REQUIRED BY EITHER IS TO BE CONSIDERED AS REQUIRED FOR THE PROJECT.
- CONTRACTOR SHALL PROVIDE FOR AS-BUILT DRAWINGS WITHIN 60 DAYS OF PROJECT COMPLETION.

C. CUTTING, PATCHING AND DRILLING

- ALL CUTTING AND PATCHING OF THE BUILDING CONSTRUCTION REQUIRED FOR THE DIVISIONS OF THE WORK SHALL BE BY THE RESPECTIVE CONTRACTOR REQUIRING SAME UNLESS THIS WORK IS INDICATED ON ARCHITECTURAL DRAWINGS AND CONFIRMED AS TO SIZE AND LOCATION PRIOR TO NEW CONSTRUCTION. CUTTING SHALL BE IN A NEAT AND WORKMANLIKE MANNER SO AS TO MINIMIZE PATCHING.
- NEATLY SAW CUT ALL RECTANGULAR OPENINGS, SET SLEEVE THROUGH OPENING, AND FINISH PATCH OR PROVIDE TRIM FLANGE AROUND OPENING.
- NEATLY SAW CUT FLOORS FOR SEWER INSTALLATION AND PATCH FLOOR TO MATCH EXISTING, INCLUDING FLOOR COVERING OR FINISH.
- CORE DRILL AND SLEEVE OPENINGS.
- DO NOT CUT ANY STRUCTURAL COMPONENTS WITHOUT THE ARCHITECT'S APPROVAL.
- PATCH AND FINISH TO MATCH ADJACENT AREAS THAT HAVE BEEN CUT, DAMAGED OR MODIFIED AS A RESULT OF THE INSTALLATION OF PLUMBING EQUIPMENT. FIRE STOP ALL PENETRATIONS OF FIRE RATED CONSTRUCTION IN A CODE APPROVED MANNER.
- THE CONTRACTOR SHALL CONFORM WITH OWNER, PRIOR TO BID, TIMES AVAILABLE FOR NOISE PRODUCING WORK SUCH AS CUTTING AND CORE DRILLING OF FLOORS, WALLS, ETC., AS WELL AS TIMES FOR WORK WHICH REQUIRE ACCESS INTO ADJOINING TENANT SPACES.
- INCLUDE ANY REQUIRED PREMIUM TIME TO COMPLY WITH THESE TIMES IN BID.
- INFORMATION REGARDING REQUIRED PIPE OR OTHER OPENINGS IN WALLS, FLOORS, CHASES, ETC., AND CONCRETE EQUIPMENT PADS OR FOUNDATIONS ARE TO BE PROVIDED TO THE GENERAL CONTRACTOR BY THIS CONTRACTOR PRIOR TO THE CONSTRUCTION PERIOD. IF THIS CONTRACTOR FAILS TO COMPLY WITH THIS REQUEST, OR PROVIDES INCORRECT INFORMATION, THIS CONTRACTOR WILL BE RESPONSIBLE FOR ALL CORRECTIVE COSTS FOR ALL NECESSARY CUTTING, PATCHING OR OTHER CORRECTION WHICH WILL BE PERFORMED BY THE GENERAL CONTRACTOR.

F. WARRANTY

- INCLUDED AS A PART OF THE WORK UNDER EACH PLUMBING, MECHANICAL, OR ELECTRICAL SECTION, ALL MATERIALS, APPARATUS, AND EQUIPMENT INSTALLED AND SERVICES TO BE PROVIDED ARE WARRANTED FREE FROM DEFECTS IN MATERIALS AND WORKMANSHIP. ANY PORTION OF THE WORK WHICH MAY PROVE DEFECTIVE WITHIN A PERIOD OF ONE (1) YEAR FROM THE DATE OF ACCEPTANCE OF THE WORK BY THE OWNER, SHALL BE REPLACED OR REPAIRED IN AN APPROVED MANNER WITHOUT ADDITIONAL COST TO THE OWNER. IN ADDITION TO THIS ONE (1) YEAR WARRANTY, REFRIGERATION COMPRESSORS WILL BE GUARANTEED FOR A TOTAL PERIOD OF FIVE (5) YEARS FROM ACCEPTANCE.
- WITHOUT REGARD TO THE TIME OF DISCOVERY, ANY AND ALL PORTIONS OF THE WORK FOUND NOT IN COMPLIANCE WITH THE CONTRACT SHALL BE REPLACED OR REPAIRED AT AN ADDITIONAL COST TO THE OWNER, SAID REPAIR OR REPLACEMENT SHALL BE REQUIRED AS THE SPECIFIC PERFORMANCE OF THE CONTRACT AND IS NOT TO BE CONSIDERED AS WAIVING ANY OTHER RECOURSE OR REMEDIES AVAILABLE TO THE OWNER.

G. SHOP DRAWING SUBMITTALS

- SUBMIT SHOP DRAWINGS FOR PLUMBING EQUIPMENT, PIPING SYSTEMS AND EQUIPMENT AS APPLICABLE WITH ADEQUATE DETAILS AND SCALES TO CLEARLY INDICATE CONSTRUCTION, INDICATE THE OPERATING CHARACTERISTICS FOR EACH REQUIRED ITEM. CLEARLY IDENTIFY EACH ITEM ON THE SUBMITTAL AS TO MARK, LOCATION AND USE, USING SAME IDENTIFICATION AS PROVIDED ON DESIGN DRAWINGS. STRIKE OUT ALL ITEMS THAT DO NOT APPLY TO THIS PROJECT.
- THE CONTRACTOR SHALL ALLOW SUFFICIENT TIME (2 WEEKS) FOR SHOP DRAWING REVIEWS BY THE ENGINEER TO MEET THE OWNER'S CONSTRUCTION SCHEDULE.
- CONTRACTOR SHALL REVIEW AND INDICATE APPROVAL OF EACH SHOP DRAWING PRIOR TO SUBMITTAL FOR REVIEW. ALL COSTS FOR STARTING WORK OR FABRICATION PRIOR TO SHOP DRAWING REVIEW AND RETURN TO THE CONTRACTOR ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- SUBMITTALS WILL BE REVIEWED ONLY FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS AND NOT FOR DIMENSIONS OR QUANTITIES. THE SUBMITTAL REVIEW DOES NOT WAIVE THE CONTRACTOR'S RESPONSIBILITY FOR PURCHASE OF ANY ITEM OR COMPLETE COMPLIANCE WITH THE CONTRACT DOCUMENTS.
- WHERE SUBMITTALS VARY FROM THE CONTRACT REQUIREMENTS, THE CONTRACTOR SHALL CLEARLY INDICATE THE NATURE AND REASON FOR VARIATIONS ON SUBMITTAL OR ACCOMPANYING DOCUMENTS.
- THE CONTRACTOR MUST CHECK THE APPLICATION OF EQUIPMENT AND CERTIFY AT TIME OF SHOP DRAWING SUBMITTAL THAT EQUIPMENT HAS BEEN PROPERLY APPLIED AND CAN BE INSTALLED, SERVICED AND MAINTAINED WHERE INDICATED ON DRAWINGS. ADVISE ENGINEER IN WRITING WITH SUBMITTAL DRAWINGS OF ANY POTENTIAL PROBLEMS, WHERE CERTIFICATION IS NOT EXPRESSED, SUBMITTAL REQUIRES CERTIFICATION.

H. RECORD DRAWINGS (AS-BUILTS)

- EACH CONTRACTOR OR SUBCONTRACTOR SHALL KEEP ONE (1) COMPLETE SET OF THE CONTRACT WORKING DRAWINGS ON THE JOB SITE AND REGULARLY RECORD ANY DEVIATIONS OR CHANGES FROM SUCH CONTRACT DRAWINGS MADE DURING CONSTRUCTION.
- THESE DRAWINGS SHALL RECORD THE LOCATION OF ALL CONCEALED EQUIPMENT, PIPING, SEWERS, SANITARY PIPING, VENTS, AND OTHER PIPING, BY MEASURED DIMENSIONS TO EACH SUCH ITEM FROM READILY IDENTIFIABLE AND ACCESSIBLE WALLS OR CORNERS OF THE BUILDING. PLANS ALSO SHALL SHOW INVERT ELEVATION OF SEWERS AND NOT ELEVATION OF ALL OTHER BELOW-GRADE PIPING.
- RECORD DRAWINGS SHALL BE KEPT CLEAN AND UNDAMAGED AND SHALL NOT BE USED FOR ANY PURPOSE OTHER THAN RECORDING DEVIATIONS FROM WORKING DRAWINGS AND EXACT LOCATIONS OF CONCEALED WORK.
- AT PROJECT COMPLETION, THESE SETS OF DRAWINGS SHALL BE DELIVERED WITHIN 60 DAYS OF PROJECT COMPLETION TO THE ARCHITECT OR OWNER, AS DIRECTED, IN GOOD CONDITION, AS A PERMANENT RECORD OF THE INSTALLATION AS ACTUALLY CONSTRUCTED.

I. PLUMBING SYSTEMS SCOPE

- PROVIDE PLUMBING FIXTURES, EQUIPMENT AND MATERIAL INDICATED AND SHOWN ON DRAWINGS AND PLACE IN PROPER OPERATION.

J. CAST IRON PIPING

- CAST IRON PIPING SHALL BE USED FOR SANITARY SEWERS (NO-HUB JOINTS FOR ABOVE GROUND AND NEOPRENE COMPRESSION JOINTS FOR BELOW GROUND) IN AREAS WHERE HOT WATER ABOVE 140 DEGREES IS DISCHARGED INTO THE DRAINAGE SYSTEM.
- CAST IRON PIPING SHALL BE USED FOR GREASE WASTE SEWERS (NO-HUB JOINTS FOR ABOVE GROUND AND NEOPRENE COMPRESSION JOINTS FOR BELOW GROUND).
- SEWER AND VENT MATERIAL SHALL BE AS FOLLOWS:
 - NO-HUB CAST IRON PIPE (CISP) 1-3/4" FOR PIPE SIZES 3" AND LARGER;
 - ALL CAST IRON SOIL PIPE AND FITTINGS SHALL BE MARKED WITH THE COLLECTIVE TRADEMARK OF THE CAST IRON SOIL PIPE INSTITUTE (CISPI) AND BE LISTED BY NSF INTERNATIONAL.
 - PVC - ASTM D 1785 40 SOLO WALL PIPE WITH ASTM D 2665 PVC DWV FITTINGS AND SOLVENT WELD JOINTS. PIPE AND FITTINGS SHALL CONFORM TO NSF INTERNATIONAL STANDARD 14. INSTALLATION SHALL BE IN ACCORDANCE WITH ASTM D 231 AND ASTM F 1988. SOLVENT CEMENT PRIMER SHALL CONFORM TO ASTM D 2564. NOT FOR USE IN AREAS THAT RECEIVE HOT WATER ABOVE 140 DEGREES F.

K. WATER PIPING

- INCLUDE UNIONS, OR OTHER DISCONNECT MEANS, STOPS OR VALVES FOR ISOLATION OF FIXTURES AND EQUIPMENT. VALVES SHALL BE FULLY COMPATIBLE WITH PIPING FOR THE SERVICE INTENDED, AS MANUFACTURED BY APOLLO, NIBCO, CRANE OR OTHER APPROVED MANUFACTURER. INCLUDE HOSE OR DRAIN VALVES AT LOW POINTS WHERE FIXTURES CANNOT BE USED FOR DRAINAGE.
- INSTALL SHOCK ABSORBERS AT EACH FIXTURE OR WHERE REQUIRED TO PREVENT WATER HAMMER.
- HANGERS ON INSULATED PIPE SHALL BE OUTSIDE OF INSULATION, SIZED ACCORDINGLY AND WITH SUFFICIENT SADDLE TO PROTECT JOINTS.
- WATER PIPING ABOVE GRADE SHALL BE (CHOOSE ONE OF THE THREE OPTIONS BELOW)
 - TYPE 1 - HARD COPPER ASTM B 86-82 WITH WROUGHT COPPER FITTINGS ASTM B 16.22 1980 AND NON-LEAD OR ANTIMONY SOLDER
 - TYPE 2 - GALVANIZED STEEL PIPE WITH WROUGHT GALVANIZED STEEL FITTINGS
 - TYPE 3 - BLACK STEEL PIPE WITH WROUGHT BLACK STEEL FITTINGS
- FLUSH, VENT ALL WATER PIPING UPON COMPLETION. COMPLY WITH PLUMBING CODE REQUIREMENTS FOR SANITIZATION. SUBMIT WRITTEN VERIFICATION OF PIPING SANITIZATION.

P. COMPRESSED AIR SYSTEM

- EXTEND COMPRESSED AIR PIPING FROM EXISTING MAIN, INCLUDING TAP TO MAIN, PRESSURE REGULATOR, AS INDICATED ON DRAWINGS AND CONNECT TO ALL AIR USING EQUIPMENT.
- PROVIDE COMPRESSED AIR SYSTEM INCLUDING REGULATORS, PIPING, HANGERS, TERMINATIONS AND CONNECTIONS TO EQUIPMENT USING COMPRESSED AIR.
- COMPRESSOR CONNECTIONS TO EQUIPMENT SHALL INCLUDE PRESSURE REGULATOR AND CONNECTIONS.
- PIPING SHALL BE PREVOST 100% ALUMINUM PIPE SYSTEM.

S. CHECK, TEST, START, ADJUST, BALANCE AND INSTRUCTIONS

- AFTER INSTALLATION, CHECK ALL EQUIPMENT, AND PERFORM START UP IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS, AND REQUIREMENTS OF THE SPECIFICATIONS. COORDINATE STARTUP WITH OWNER FOR OPERATION OF EQUIPMENT.
- PIPING SHALL BE TESTED AND FREE OF LEAKS. MAKE REPAIRS NEEDED FOR LEAK FREE SYSTEMS.
- CONCEALED OR INSULATED WORK SHALL REMAIN UNCOVERED UNTIL REQUIRED INSPECTIONS, AND TESTS HAVE BEEN COMPLETED. IF THE CONSTRUCTION SCHEDULE REQUIRES IT, ARRANGE FOR PRIOR TESTS ON PARTS OF SYSTEM AS APPROVED BY THE TENANT.

T. INSULATION

- INSULATE ABOVE-GRADE COLD WATER PIPING WITH ONE (1") THICK MOLDED FIBERGLASS HAVING TYPE ASJ JACKET AND MANUFACTURED BY OWENS-CORNING FIBERGLASS COMPANY.
- AT PIPE HANGERS, PROVIDE SOLID INSULATION COUPLING SYSTEM TO PREVENT INSULATION DAMAGE OR CONSTRUCTION. INSULATION COUPLINGS SHALL BE THE KLO-SHURE INSULATION COUPLING SYSTEM AS MANUFACTURED BY ANVAL STRUT.
- REPAIR DAMAGED SECTIONS OF EXISTING PIPING INSULATION, EITHER PREVIOUSLY DAMAGED OR DAMAGED DURING THIS CONSTRUCTION PERIOD. USE INSULATION OF THE SAME THICKNESS AS SPECIFIED. INSTALL NEW JACKET LAPPING AND SEALED OVER EXISTING.

U. HANGERS AND SUPPORTS

- HANGERS FOR BLACK STEEL PIPE SHALL BE MANUFACTURED BY NVENT CADDY, MODEL NO. 100, OR APPROVED EQUAL.
- HANGERS FOR CAST IRON PIPE SHALL BE MANUFACTURED BY NVENT CADDY, MODEL NO. 400, OR APPROVED EQUAL.
- HANGERS FOR COPPER TUBING SHALL BE MANUFACTURED BY NVENT CADDY, MODEL NO. 102A, OR APPROVED EQUAL.
- TRAPEZE HANGERS OF A TYPE APPROVED BY THE ENGINEER, MAINTAIN PIPE INSULATION AT PIPE ANCHORS. PROVIDE INSULATION ANCHORS AS SPECIFIED ABOVE.
- CONTRACTOR SHALL PROVIDE INSULATION HANGER WITH PROTECTIVE SHIELDS, SUCH AS NVENT CADDY, MODEL NO. 103, OR APPROVED EQUAL. 6 INCH LONG SECTION OF 1/2 INCH THICK CALCIUM SULFATE SECTIONAL PIPE INSULATION WITH FACTORY LONGITUDINAL LAP SHALL BE PROVIDED AT HANGER POINTS. BUT JOINTS SHALL BE SEALED WITH INSULATING CEMENT.
- STRAP HANGERS SHALL NOT BE PERMITTED.
- CONTRACTOR SHALL PROVIDE SIDE BEAM CLAMPS FOR SUPPORTING PIPING FROM STRUCTURAL STEEL MEMBERS. BEAM CLAMPS SHALL BE MANUFACTURED BY HANGER POINTS, BUT JOINTS SHALL BE APPROVED EQUAL.
- WHERE OTHER MEANS OF SUPPORT PIPING ARE REQUIRED OR DESIRED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE ENGINEER'S APPROVAL PRIOR TO INSTALLING THOSE SUPPORTS.
- INSULATE ABOVE-GRADE COLD WATER PIPING WITH ONE (1") THICK MOLDED FIBERGLASS HAVING TYPE ASJ JACKET AND MANUFACTURED BY OWENS-CORNING FIBERGLASS COMPANY.
- HANGERS AND SUPPORTS SHALL BE SPACED AT INTERVALS WHICH WILL PREVENT SAGGING AND REDUCE STRAIN ON VALVES AND SPECIALTIES. HANGER SPACING SHALL BE NO GREATER AND ROD SIZE SHALL BE NO SMALLER THAN THAT SHOWN IN THE FOLLOWING TABLES WHICH ARE TO BE USED FOR THE DESIGN OF HANGERS SHALL ALLOW FOR EXPANSION AND CONTRACTION.
- FERROUS PIPING AND COPPER TUBING.

DIAMETER OF PIPE	MAXIMUM SPACING	ROD SIZE
1/2" THRU 1 1/2"	6 FT	3/8"
2" THRU 3"	10 FT	1/2"
4"	12 FT	5/8"
6" AND LARGER	16 FT	3/4"

DIAMETER OF PIPE	MAXIMUM SPACING	ROD SIZE
1 1/2" THRU 3"	EACH JOINT	3/8"
4"	EACH JOINT	1/2"
6" AND 8"	EACH JOINT	3/4"
10" THRU 15"	EACH JOINT	3/4"

DIAMETER OF PIPE	MAXIMUM SPACING	ROD SIZE
1/2" THRU 3"	4 FT	3/8"
4"	4 FT	5/8"
6" AND LARGER	4 FT	3/4"

W. VALVES

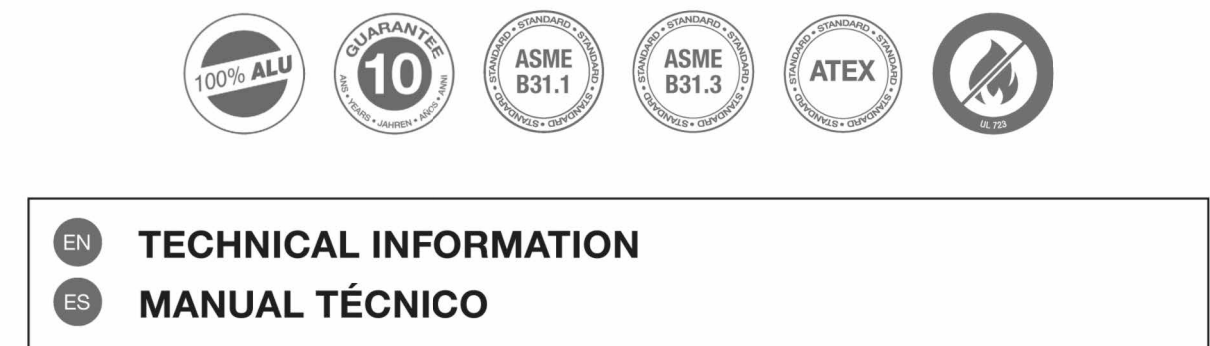
- BALL VALVES 2-INCHES AND SMALLER SHALL BE 150 PSI SWP, 600 PSI WOG, BRONZE, 2-PIECE DESIGN, WITH PTFE TEFLON SEATS AND SEALS, AND BLOW-OFF PROOF SYSTEMS MADE OF LEAD-FREE BRONZE. VALVES SHALL HAVE SOLDER OR PRESS-FIT ENDS FOR USE IN COPPER TUBING. BALL VALVES SHALL BE WATTS LFFB-V4 OR AN APPROVED EQUAL FOR THREADED OR SOLDERED ENDS AND WATTS NO. LFFB-V3 OR AN APPROVED EQUAL FOR PRESS-FIT ENDS. PROVIDE THERMA-SEAL INSULATING TEE HANDLES FOR VALVES USED IN LINES WHICH ARE TO BE INSULATED.
- PROVIDE 2 INCH EXTENSION NECKS ON ALL VALVES INSTALLED IN INSULATED LINES.
- LEVER TYPE HANDLE OPERATORS SHALL BE PROVIDED ON VALVES UP TO 4 INCHES IN SIZE. GEAR OPERATORS SHALL BE PROVIDED ON VALVES OVER 4 INCHES IN SIZE, AND ON VALVES REQUIRING CHAIN OPERATION. VALVES USED FOR BALANCING SHALL HAVE INFINITE POSITION LEVER OR GEAR OPERATORS WITH ADJUSTABLE, OPEN POSITION "MEMORY" STOP.
- STOP AND DRAIN BALL VALVES 1" AND SMALLER SHALL BE 150 PSI SWP, 600 WOG, BRASS, 2-PIECE DESIGN, WITH PTFE VALVE SEATS AND SEALS, AND BLOW-OFF PROOF SYSTEMS MADE OF LEAD-FREE COPPER SILICON ALLOY. VALVES SHALL HAVE THREADED OR SOLDER ENDS FOR USE IN COPPER TUBING. VALVES SHALL BE WATTS LFFB-3000 OR AN APPROVED EQUAL FOR THREADED ENDS AND WATTS LFFB-3001 OR AN APPROVED EQUAL FOR SOLDER ENDS. PROVIDE THERMA-SEAL INSULATING TEE HANDLES FOR VALVES USED IN LINES WHICH ARE TO BE INSULATED.
- VALVES AND ASSOCIATED FITTINGS SHALL BE OF THE SAME SIZE AS THE PIPING OF WHICH THEY ARE INSTALLED.
- PROVIDE VALVE TAGS AND VALVE CHART PER ANSI A13.1 SCHEME FOR THE IDENTIFICATION OF PIPING SYSTEMS. VALVE CHART SHALL BE GIVEN TO THE FACILITY OWNER FOR PERMANENT RECORD.

X. PIPE IDENTIFICATION

- CONTRACTOR SHALL PROVIDE IDENTIFICATION LABELS, TAGS, ETC., FOR PLUMBING AS INDICATED ON THE DRAWINGS AND AS SPECIFIED HEREIN.
- THE IDENTIFICATION OF PLUMBING PIPING SHALL BE IN ACCORDANCE WITH ANSI STANDARD A13.1, EXCEPT AS HEREINAFTER SPECIFIED.
- PRESSURE SENSITIVE PIPE MARKERS SHALL BE MANUFACTURED BY THE BRADY CO., OR APPROVED EQUAL. PIPE MARKERS SHALL BE A MANUFACTURER'S STANDARD PRODUCT.



COMPRESSED AIR NETWORK LA RED DE AIRE COMPRIMIDO PPS



TECHNICAL INFORMATION MANUAL TÉCNICO

100% ALUMINUM FITTINGS

COMPRESSED AIR NETWORK INSTALLATION GUIDE

ASSEMBLY GUIDE FOR A COMPRESSED AIR NETWORK

EQUIPPED AND READY TO USE NETWORKS

SAFETY AND ENERGY SAVING

VALVES

FERROUS PIPING AND COPPER TUBING

NETWORK DISASSEMBLY

ENVIRONMENTAL INDEX

GENERAL INFORMATION

SAFETY AND ENERGY SAVING

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GENERAL INFORMATION

PREVOST PIPING SYSTEM - PPS

PERFORMANCE AND INNOVATION AT THE CENTER OF YOUR NETWORKS

THE BENEFITS OF THE PPS NETWORK RANGE

100% ALUMINUM PIPE

100% ALUMINUM FITTINGS

A COMPLETE AND INNOVATIVE 100% ALUMINUM LINE

TECHNICAL INFORMATION MANUAL TÉCNICO

ASSEMBLY GUIDE FOR A COMPRESSED AIR NETWORK

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Designed TDR Drawn CJH
Checked BS Date 2026-06-12
Project No. 10683-0002

GASTON COLLEGE, KIMBLE CAMPUS
7224 WILKINSON BOULEVARD
BELMONT, NC 28012

SAFETY AND ENERGY SAVING

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NETWORK DISASSEMBLY

PROFESSIONAL SEAL

SEAL 056538

REGISTERED PROFESSIONAL ENGINEER

BRIAN SHASTON

10/15/26

REV.	DESCRIPTION	DATE

REVISIONS

GASTON COLLEGE
FIC CARDING ROOM
- PHASE III
PLUMBING CA
CONNECTIONS

PLUMBING SPECIFICATIONS

PROJ START DATE: 2026-06-12
MCE PROJ. #: 19663-0002
DRAWN: CJH
DESIGNED: TDR
CHECKED: BS
PROJ. MGR: BS

STATUS: **FOR CONSTRUCTION**

P010
DRAWING NUMBER

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

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 Checked BS Date 2026-02-13
 Project No. 10663-0002

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REV.	DESCRIPTION	DATE

REVISIONS

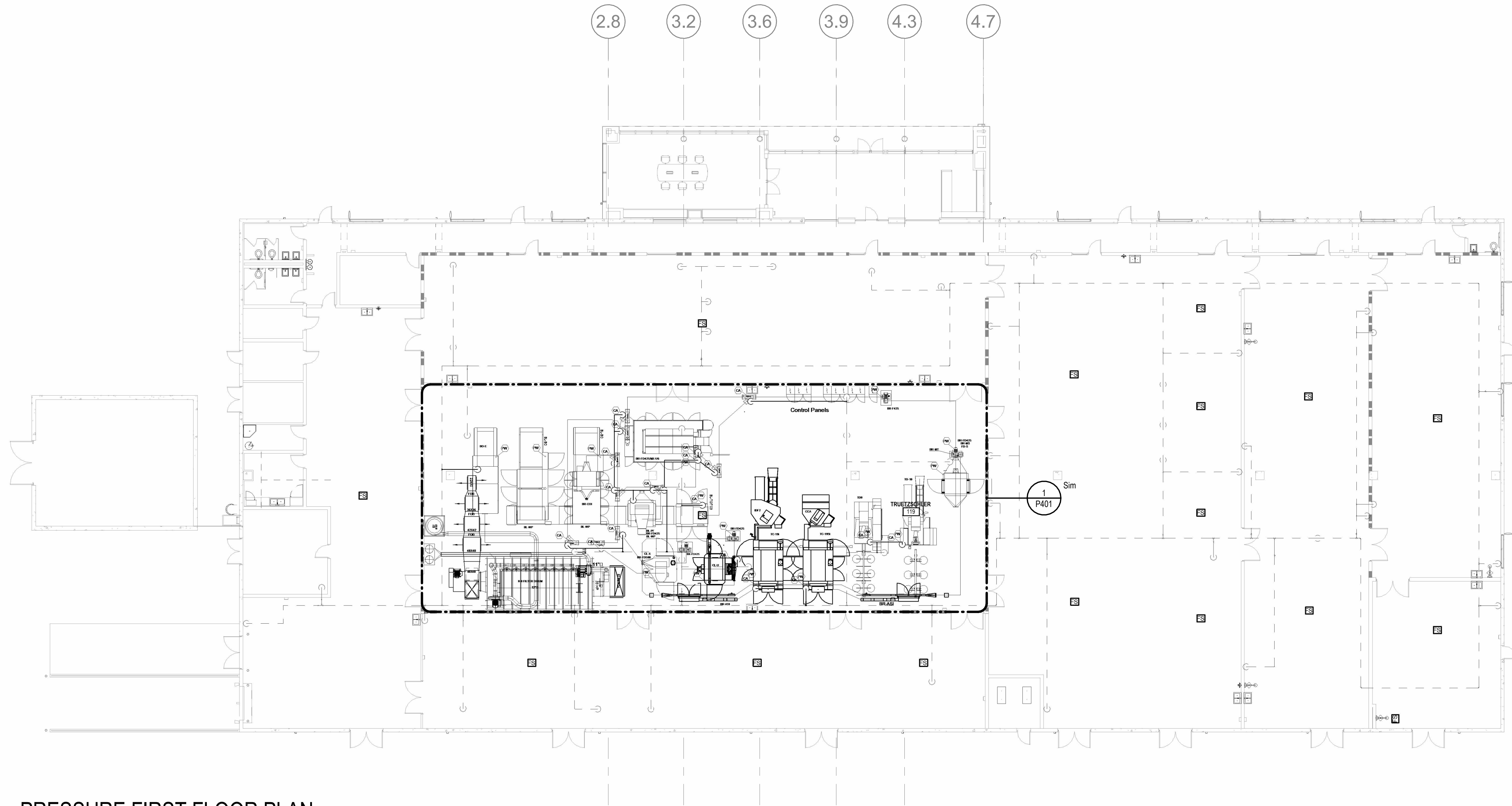
**GASTON COLLEGE
 FIC CARDING ROOM -
 PHASE III PLUMBING
 CA CONNECTIONS**

**PLUMBING SUPPLY - FIRST
 FLOOR PLAN**

PROJ. START DATE:	2026-06-12
MCE PROJ. #	10663-0002
DRAWN	CJH
DESIGNED	TDR
CHECKED	BS
PROJ. MGR	Approver

STATUS: **BID SET**

P101	SCALE
DRAWING NUMBER	1/16" = 1'-0"
REVISION	



1 PRESSURE FIRST FLOOR PLAN
 SCALE: 1/16" = 1'-0"

