

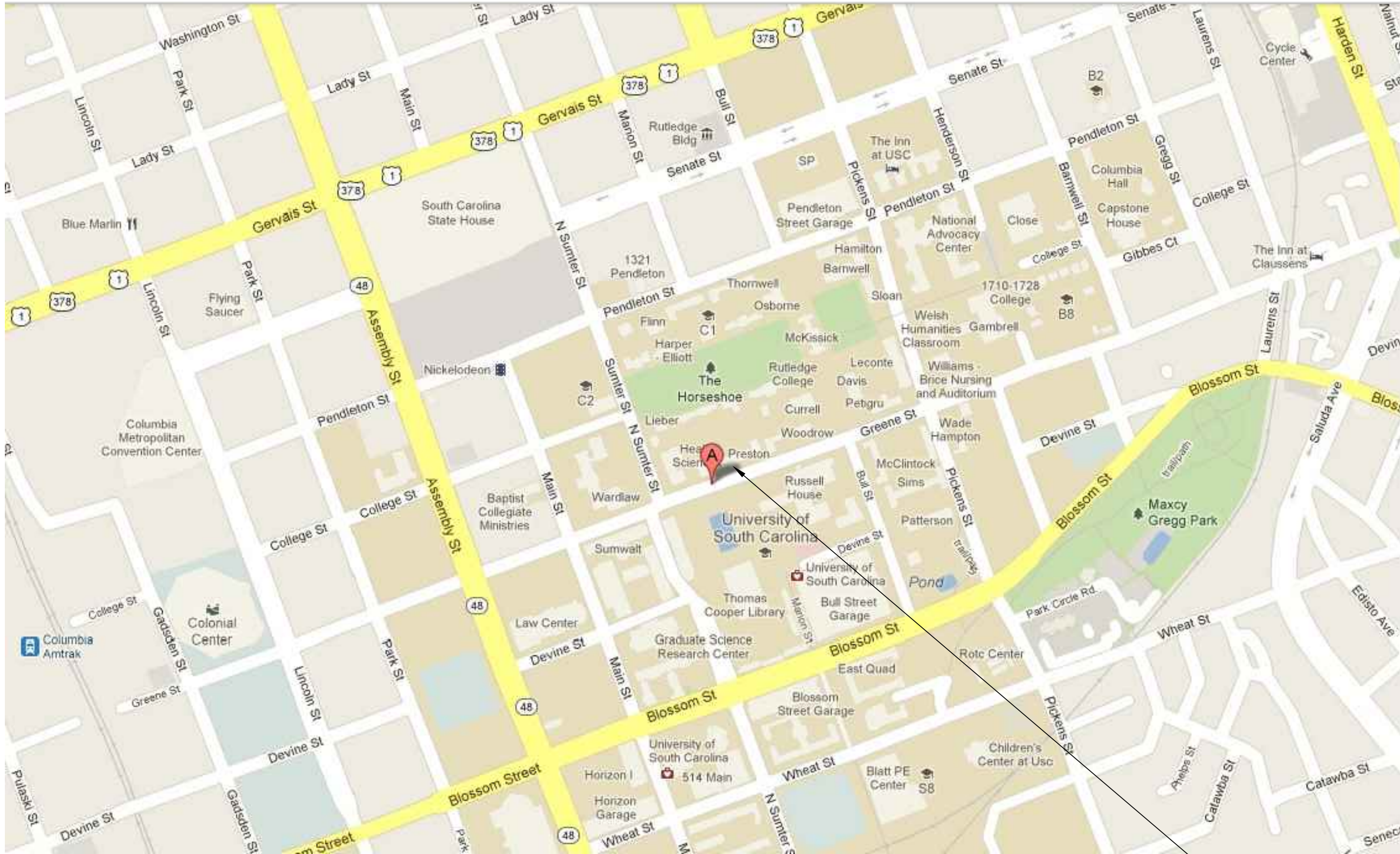


University of South Carolina

# Preston College Bathroom & Flooring Renovations

## Part II

### H27-6086-SG Columbia, SC



 **LOCATION MAP**  
NO SCALE

PROJECT LOCATION

ARCHITECT	
Compass 5 Partners, LLC	
1329 State Street Cayce, South Carolina 29033	
803-765-0838 p compass5partners.com	
SHEET No.	DESCRIPTION
G000	COVER SHEET & INDEX
G001	CODE SHEET, GENERAL NOTES, & LEGEND
A101	OVERALL FLOOR PLANS



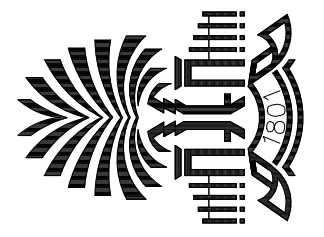
COMPASS 5 PARTNERS, LLC  
Columbia, SC  
C-100254  
REGISTERED ARCHITECTS



MARVELL ANNIZZAR  
Columbia, SC  
6796  
REGISTERED ARCHITECT



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University of South Carolina

Preston College Bathroom & Flooring Renovations: Part II  
H27-6086-SG Columbia, SC

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Project Number: 1238 ULH  
FOR BIDDING 03.03.14

COVER SHEET & INDEX

Date: 03-03-14  
Drawn: WTA  
Checked: MEC

**G000**



TABLE 5.6–1. DESIGN CODES AND STANDARDS

PROJECT DESIGNED IN ACCORDANCE WITH:

1. International Existing Building Code, 2009 Edition.

2. International Building Code, 2009 Edition.

3. International Energy Conservation Code, 2009 Edition.

4. International Fire Code, 2009 Edition.

5. International Fuel Gas Code, 2009 Edition.

6. International Mechanical Code, 2009 Edition.

7. International Plumbing Code, 2009 Edition.

8. ICC Electrical Code, Administrative Provisions, Administrative Provisions, ICC EC–2006 Edition.

9. National Electrical Code, NFPA 70, 2005 Edition

11. National Electrical Safety Code, ANSI–C2–2002 Edition.

12. State Fire Marshal Regulations, latest revision

13. ASHRAE/IESNA 90.1, Energy Standard for Buildings except Low–Rise Residential Buildings 2001 Edition.

14. ICC/ANSI–A117.1–2003, Accessible and Usable Buildings and Facilities.

TABLE 5.6–2. BASIC CODE REVIEW INFORMATION

1Site Development

1.1Total Area of Project Site (in acres): N/A

A. Total Area of Project Site that will be Disturbed/Developed (in acres): N/A

B. Municipality and/or County Where Project is Located:

C. Jurisdiction for: RICHLAND

1. Site Work: N/A

2. Fire Department: N/AProject in Fire District? Yes ☒ No ☐

3. Water: -

4. Sewer: -

5. Zoning: -Land Use Zone: -

1.2. Is Project in a Flood Plain? Yes ☐ No ☒

1.3. Is Project in Wetlands Area? Yes ☐ No ☒

2Occupancy

A. Occupancy Classification: Residential DormitoryGroup: R–2

B. Additional Occupancy Classification(s) N/AGroup: -

3Type of Construction

A. Construction Classification: IIA, Sprinklered (PER IBC 2009)

B. Is the building construction protected or unprotected? Un–Protected

C. Is the building construction of combustible or noncombustible materials? Non–Combustible

D. Is the building provided with a fire protection sprinkler system? Yes

E. Structural frame and floor decking is constructed of non–combustible concrete. Exterior walls and interior partitions are non–loadbearing and constructed of non–combustible masonry units. Roof construction is tongue–and–groove wood decking over steel trusses.

4General Building Design, Allowable Area, Height and Occupant Load

Building Area Allowed By IBC Table 500:  
(See Tables 5.6–3, 5.6–4, 5.6–5)

TABLE 5.6–3: BUILDING AREA

	Square Footage	Square Footage as Allowed by IBC			
Floor or Level	Total Design Area	Without Increase (IBC Table 503)	Frontage Increase (IBC 506.2)	Sprinkler Increase (IBC 506.3)	Total Allowable Area (IBC 506.1)
First Floor	20,680	0	N/A	N/A	24,000
Second Floor	20,680	0	N/A	N/A	24,000
Third Floor	20,680	0	N/A	N/A	24,000
Total Floor Area (incl. all increases)	62,040	0	N/A	N/A	72,000

TABLE 5.6–4: BUILDING HEIGHT

	Existing		As Allowed by IBC	
	In Feet	In Stories	In Feet	In Stories
Without any Allowable Increase	65’	3	65’	4
Allowable Height Increase	N/A	N/A	N/A	N/A
Total Height including any Allowable Increase	65’	3	65’	4

TABLE 5.6–5: BUILDING DESIGN OCCUPANT LOAD

Area	Occupancy Type	Occupancy Floor Area	Floor Area in SF/Occupant	Occupants per Occupancy Type	Design Occupant Load
First Floor	R-2	20,680 SF	200 GSF	104 PEOPLE	104
Second Floor	R-2	20,680 SF	200 GSF	104 PEOPLE	104
Third Floor	R-2	20,680 SF	200 GSF	104 PEOPLE	104
					312

TABLE 5.6–6: FIRE RESISTANCE RATING OF BUILDING ELEMENTS

Building Element	Existing Rating (in hours)	Rating As Required (in hours)	Testing Agency & Design Number (UL, FM, etc)
Structural Frame Including Columns, Girders and Trusses	1	1	N/A
Bearing Walls, Exterior	N/A	2	N/A
Bearing Walls, Interior	1	1	N/A
Nonbearing Walls & Partitions, Exterior	1	1	N/A
Nonbearing Walls & Partitions, Interior	0	0	N/A
Floor Construction, Including Supporting Beams & Joists	1	0	N/A
Roof Construction, Including Supporting Beams & Joists	1	0	N/A
Fire Walls	N/A	N/A	N/A
Fire Barriers	N/A	N/A	N/A
Shaft Enclosures	1	1	N/A
Fire Partitions	N/A	N/A	N/A

TABLE 5.6–7: OTHER FIRE PROTECTION REQUIREMENTS

Item	Yes	No	Comments
Are Smoke Barriers Required?		<input checked="" type="checkbox"/>	
Smoke Partitions Required?		<input checked="" type="checkbox"/>	
Protection of Penetrations Required?	<input checked="" type="checkbox"/>		
Are Penetrations per U. L. Listing /Testing Authority?			EXISTING CONSTRUCTION
Opening Protectives Required?			
Is Draftstopping Required?	<input checked="" type="checkbox"/>		
Is Fireblocking Required?		<input checked="" type="checkbox"/>	
Are Sprinklers Required?	<input checked="" type="checkbox"/>		
Are Standpipes Required?		<input checked="" type="checkbox"/>	< 30’ TO 3RD FLOOR/HIGHEST FLOOR LEVEL
Is a Fire Alarm System Required?	<input checked="" type="checkbox"/>		

TABLE 5.6–8: STRUCTURAL DESIGN INFORMATION (per IBC Chapter 16)

1. Floor Live LoadPSF

EXST

2. Roof Live LoadPSF

EXST

3. Ground Snow LoadPSF

EXST

A. Flat Roof Snow Load, P<sub>f</sub>

P<sub>f</sub> = N/A

B. Snow Exposure Load, C<sub>e</sub>

C<sub>e</sub> = N/A

C. Snow Load Importance Factor, I<sub>s</sub>

I<sub>s</sub> = N/A

D. Thermal Factor, C<sub>t</sub>

C<sub>t</sub> = N/A

4. Wind Loads

A. Basic Wind Speed, V<sub>3S</sub>V<sub>3S</sub> = N/A

B. Wind Importance Factor, I<sub>w</sub>I<sub>w</sub> = N/A

C. Building CategoryEXST

D. Wind ExposureN/A

E. Internal Pressure CoefficientN/A

F. Component and Cladding Wind PressureN/A

5. Seismic Loads

N/A

TABLE 5.6.9: PLUMBING INFORMATION

1. Water System: No. Fixture Units: EXSTPeak GPM: EXSTService Line Size: EXST

2. Sanitary Sewer System Loading: GPD

3. Service Line Size: EXSTSlope: EXST

4. (a) Water Closets: Req’d: Male: Female: Provided: Male: Female: (b) Lavatories: Req’d: Male: Female: Provided: Male: Female: (c) Drinking Fountains: Req’d: Provided: (d) Unisex toilet: Req’d: Provided: (e) Other: Req’d: Provided:

NOTE : The Occupant load for minimum required toilet facilities shall be the same as the Building Design Occupant Load indicated in Table 5.6- 5, above.

TABLE 5.6–10: MECHANICAL INFORMATION

1. Overall Thermal Transfer Value (OTTV): EXST

2. Cooling Load: EXSTS.F./Ton

3. Heating Load: EXSTBTU/S.F.

4. Outside Air (CFM/Person) EXSTCFM/P

5. Insulation R–value: Ext. Walls N/ARoof N/A

6. Glass: U-Factor EXSTSC EXSTWindow–to–Wall Ratio EXST

TABLE 5.6–11: ELECTRICAL INFORMATION

1. Service Transformer: Existing By Utility? N/ABy Agency? EXSTIf by Agency: KVA: N/APrimary Voltage/Phase: N/A

2. Provide the following service information: Service Voltage/Phase: 208Y/120 3PHAmperes: 1400 ExistingService Entrance Conductors Size: N/AQuantity per Phase: N/ATotal Connected Load KVA: N/AEstimated Demand Factor: Estimated Maximum Demand KVA: EXSTAvailable Fault Current in Symmetrical Amperes: EXSTInterrupting Capacity of Service Overcurrent Device: EXSTType of Grounding Electrode System(s) per NEC 250–C: EXST

3. Emergency Generator (if any): XKVA Voltage/Phase Fuel

4. Exit/Emergency Lights Backup Power: Integral Battery XGenerator NO

5. Emergency Egress Illumination, Minimum Footcandles: 1

6. Fire Alarm System: Manual Yes Automatic Yes Addressable? XClass A or B? B

7. Lightning Protection Provided?: Yes ☐ No ☒

REFERENCE SYMBOLS

WALL OR SECTION DETAIL

DETAIL

DETAIL DRAWING

INTERIOR ELEVATION

NORTH ARROW

ROOM DESIGNATION

WALL/PARTITION TYPE

DETAIL NUMBER

SHEET DETAIL OCCURS

ELEVATION DESIGNATION

SHEET WHERE ELEVATION OCCURS

ROOM NAME

TREATMENT ROOM

ROOM NUMBER

WALL/PARTITION TYPE

GENERAL NOTES

A. REFER TO SPECIFICATIONS FOR OWNER PROVIDED HAZARDOUS MATERIALS SURVEY AND RELATED INFORMATION. CONTRACTOR SHALL CONTACT OWNER IMMEDIATELY IF ANY SUSPECT MATERIALS ARE ENCOUNTERED.

B. EXISTING CONDITIONS SHOWN ON DRAWINGS ARE BASED ON RECORD DOCUMENTS PROVIDED BY THE OWNER. THIS INFORMATION IS FOR REFERENCE ONLY AND SHALL BE FIELD VERIFIED BY CONTRACTOR.

C. GENERAL CONTRACTOR AND ALL APPROPRIATE SUBCONTRACTORS SHALL VERIFY ALL DIMENSIONS IN FIELD PRIOR TO COMMENCING DEMOLITION AND NEW CONSTRUCTION.

D. ALL WORK PERFORMED ON EXISTING WARRANTED SYSTEMS OR ASSEMBLIES SHOULD BE PERFORMED BY APPROVED CONTRACTORS FOR SUCH ASSEMBLIES AND IN SUCH A MANNER THAT EXISTING WARRANTIES ARE NOT VOIDED OR JEOPARDIZED IN ANY MANNER.

E. CONSTRUCTION MATERIALS OR CONSTRUCTION PROCESSES WHICH ARE HAZARDOUS TO WORKERS OR FUTURE OCCUPANTS ARE NOT PERMITTED.

F. THE CONSTRUCTION SUBSYSTEMS AND PARTITION TYPES SHOWN INDICATE THE GENERAL CONSTRUCTION FEATURES OF THE WORK TO BE COMPLETED. THEY ARE NOT INTENDED TO REPRESENT THE ENTIRE CONSTRUCTION PROCESS AND ACCESSORIES USED. THE CONTRACTORS ARE RESPONSIBLE FOR COMPLETED SYSTEMS AND TO BE IN COMPLIANCE WITH GOVERNING CODES AND THE INTENT OF THE CONSTRUCTION DRAWINGS.

G. TESTING AND CODE REFERENCES USED IN THESE DRAWINGS BY ABBREVIATION. OTHER TESTING AGENCIES ARE ACCEPTABLE IF IN COMPLIANCE WITH TESTING STANDARDS.

H. DETAILS ARE SHOWN TO DESCRIBE DESIGN INTENT. COORDINATE COMPLETE SHOP DRAWINGS, SHOWING ALL CONSTRUCTION DETAILS AND LAYOUTS AS REQUIRED FOR A COMPLETE JOB, ADHERING TO THE MANUFACTURER’S WARRANTIES AND LOCAL AND STATE CODES.

I. THE CONTRACTOR SHALL SCHEDULE ALL WORK INCLUDING ANY INTERRUPTION OF UTILITIES PRIOR TO COMMENCING CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AN UPDATED SCHEDULE AND COORDINATING CHANGES WITH OWNER AND ARCHITECT.

J. BEFORE BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL TAKE FIELD MEASUREMENTS AND VERIFY EXISTING CONDITIONS AND COMPARE RESULTS WITH INFORMATION GIVEN IN THE CONTRACT DOCUMENTS. REPORT ANY INCONSISTENCIES TO THE ARCHITECT AT ONCE.

K. DO NOT SCALE DRAWINGS, USE DIMENSIONS ONLY.

L. REFER TO PROJECT MANUAL FOR ALL TOILET ACCESSORIES AND APPURTENANCES TO BE CONTRACTOR FURNISHED AND CONTRACTOR INSTALLED, UNLESS NOTED OTHERWISE.

M. REFER TO PROJECT MANUAL FOR UNIVERSITY OF SOUTH CAROLINA SUPPLEMENTARY GENERAL CONDITIONS, DEBRIS REMOVAL AND SAFETY PRECAUTIONS.

N. EXISTING FLOOR SLAB CONSTRUCTION INCLUDES A RANGE OF VARIABLE CONSTRUCTION ASSEMBLIES AND MATERIALS. CONTRACTOR SHALL COORDINATE THE WORK ACCORDINGLY TO EACH VARIABLE CONSTRUCTION ASSEMBLY.

EXISTING TO REMAIN FIRE RATED ASSEMBLIES

THE INTEGRITY OF REMAINING FIRE RATED ASSEMBLIES SHALL BE MAINTAINED DURING DEMOLITION AND THROUGHOUT CONSTRUCTION. ANY HOLES OR OTHER OPENINGS CREATED BY THE REMOVAL OF DOORS, FRAMES, PIPING, DUCT, CONDUIT OR ANY OTHER MATERIAL SHALL BE FILLED, PATCHED OR INFILLED WITH A UL TESTED SYSTEM OR WITH APPROPRIATELY RATED MATERIALS TO PREVENT THE PASSAGE OF FIRE AND SMOKE AS REQUIRED.

CONTRACTOR IS RESPONSIBLE FOR PROTECTING EXISTING FIRE PROTECTION AT COLUMNS, BEAMS AND OTHER EXISTING STEEL OR CONCRETE.

FLOOR REPLACEMENT DETAIL

NEW LVP1 FLOORING.

EXISTING MAPLE STRIP FLOORING AND SUBFLOOR TO REMAIN.

EXISTING CONCRETE SLAB

NEW HARDWOOD 3/4" QUARTER ROUND SHOE MOULD ALONG BASE PERIMETER

EXISTING 2–3 LAYERS OF VCT TO REMAIN.

A1

SCALE: 1 1/2" = 1’–0"

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