

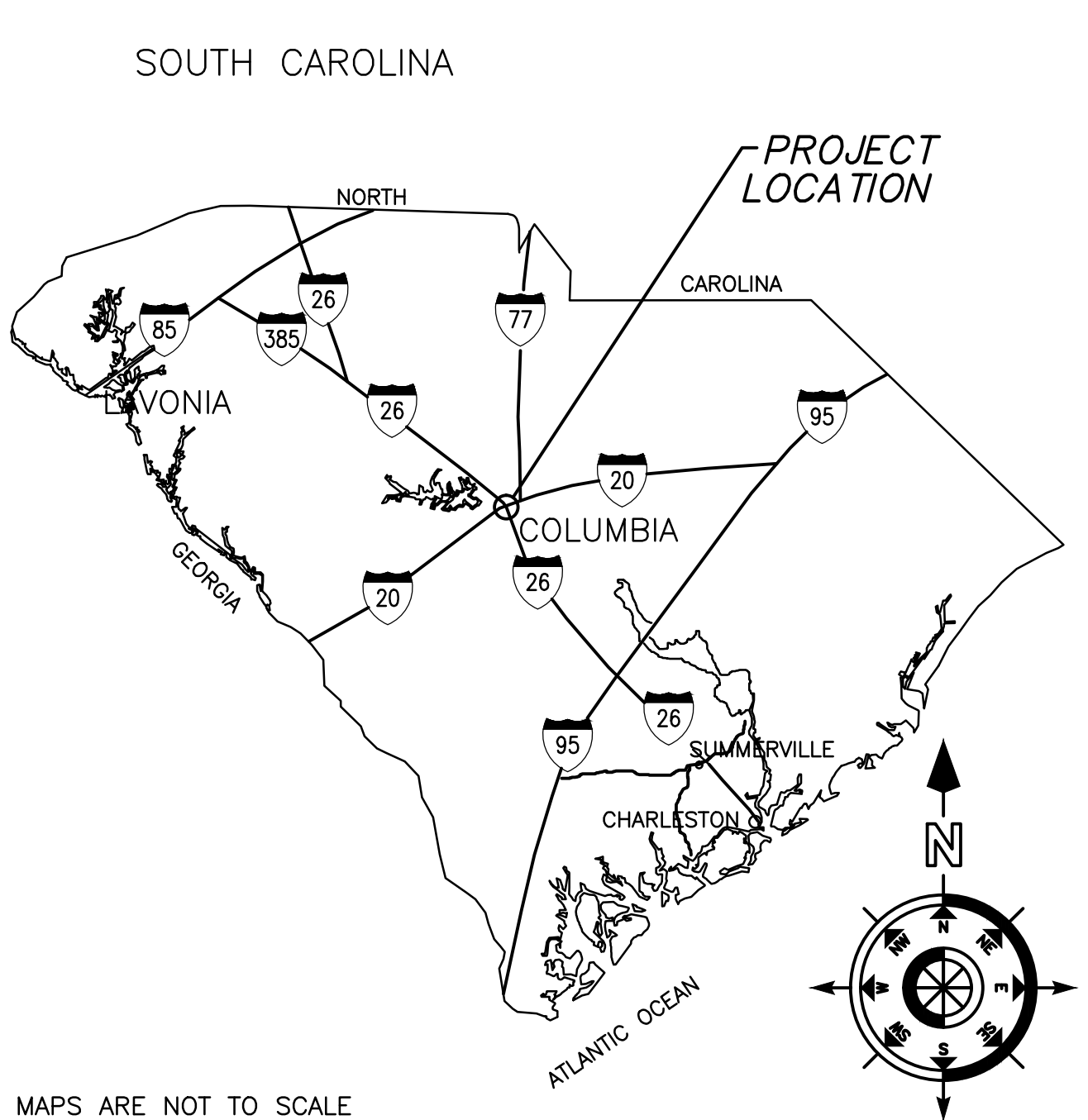
COLISEUM RENOVATIONS UNIVERSITY OF SOUTH CAROLINA

COLUMBIA, SC

CONSTRUCTION DOCUMENTS MAY 29, 2014

ARCHITECT'S PROJECT NUMBER: U-787-14-1

STATE LOCATION MAP



VICINITY LOCATION MAPS



CODE STANDARDS

PROJECT DESIGNED IN ACCORDANCE WITH:

- INTERNATIONAL BUILDING CODE (IBC), 2012
- INTERNATIONAL FIRE CODE (IFC), 2012
- INTERNATIONAL MECH. CODE (IMC), 2012
- INTERNATIONAL PLUMBING CODE (IPC), 2012
- NATIONAL ELECTRICAL CODE (NEC) [NFPA 70], 2011
- NATIONAL ELECTRICAL SAFETY CODE, IEEE-CE-2012
- ANSI A117 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES, 2009
- STATE FIRE MARSHALL REGULATIONS AND POLICIES.
- STATE OF SC TELEPHONE EQUIPMENT ROOM AND COMMUNICATIONS/ DATA SYSTEMS POLICIES AS FORMULATED BY THE DIVISION OF STATE INFORMATION TECHNOLOGY (DIST).

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MATERIAL DESIGNATIONS

	COMPACTED EARTH		WOOD (ROUGH)
	POROUS FILL (STONE OR GRAVEL)		WOOD (FINISHED)
	CONCRETE		PLYWOOD
	CONCRETE MASONRY UNIT (CMU)		BATT INSULATION
	BRICK		GYPSUM BOARD
	SAND, PLASTER, CEMENT, GROUT		RIGID INSULATION
	STEEL		

PROJECT ADD ALTERNATES

ADD ALTERNATE # 1:
PAINT ALL NON-GLAZED CMU WALLS, CONCRETE BEAMS, CONCRETE COLUMNS AS WELL AS ALL MECHANICAL, PLUMBING & ELECTRICAL SYSTEMS AT NEWLY EXPOSED NORTH WALL OF ARENA.

ADD ALTERNATE # 2:
PROVIDE NEW JANITOR'S CLOSET WITHIN EXISTING MECHANICAL ROOM.

ADD ALTERNATE # 3:
REMOVE RETRACTABLE SEATING LOCATED ALONG SOUTH WALL OF ARENA.

ABBREVIATIONS

∠	ANGLE
AI	ABOVE FINISH FLOOR
ALUM	ALUMINUM
ARCH	ARCHITECTURAL
BLDG	BUILDING
BU	BUILT-UP ROOF
CL	CENTERLINE
CJ	CONTROL JOINT
CLG	CEILING
CTR	CENTER
CONC	CONCRETE
CMU	CONCRETE MASONRY UNIT
CONT	CONTINUOUS
DA	DIAMETER
DS	DOWN SPOUT
DWG	DRAWING
EXT	EXTERIOR
EXIST	EXISTING
EA	EACH
EJ	EXPANSION JOINT
ELEC	ELECTRICAL
EL	ELEVATION
ELEV	ELEVATOR
EQUIP	EQUIPMENT
ENC	ELECTRIC WATER COOLER
FN	FINISH
FD	FLOOR DRAIN
FOF	FACE OF FINISH
FOS	FACE OF STUD
FR	FIRE RETARDANT
FV	FIELD VERIFY
GA	GAUGE
GYP BD	GYPSUM BOARD
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HT	HEIGHT
HVAC	HEATING VENTILATION AIR-CONDITIONING
ID	INSIDE DIAMETER
INSUL	INSULATION
JOINT	JOINT
LAV	LAVATORY
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MO	MASONRY OPENING
NOC	NOT IN CONTRACT
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OPNG	OPENING
OPP	OPPOSITE
P	PAINT
PL	PAIR
PR	PLATE, PROPERTY LINE
PT	PRESSURE TREATED
R, RAD	RADIUS
REQD	REQUIRED
RD	ROOF DRAIN
RO	ROUGH OPENING
SF	SQUARE FEET
SM	SIMILAR
SPEC	SPECIFICATIONS
SS	STAINLESS STEEL
STD	STANDARD
STR	STRUCTURAL
SUSP	SUSPENDED
TBS	TO BE SELECTED
TOS	TOP OF STEEL
TOW	TOP OF WALL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
VET	VINYL COMPOSITION TILE
W/	WITH
WC	WATER CLOSET
WR	WATER RESISTANT
WWF	WELDED WIRE FABRIC
WD	WOOD

ARCHITECTURAL SYMBOLS

1 TITLE
SCALE: 1" = 1'-0"
REF: 1/A1.1
DETAIL NUMBER
WHERE DETAIL IS SHOWN

BUILDING SECTION REFERENCE
BUILDING SECTION NUMBER
WHERE BUILDING SECTION IS SHOWN

PLAN DETAIL REFERENCE
DETAIL NUMBER
WHERE DETAIL IS SHOWN

WALL SECTION / DETAIL SECTION REFERENCE
WALL SECTION / DETAIL NUMBER
WHERE WALL SECTION / DETAIL IS SHOWN

ELEVATION REFERENCE
ELEVATION NUMBER
WHERE ELEVATION IS SHOWN

ALTERNATE ELEVATION REFERENCE
ELEVATION NUMBER
WHERE ELEVATION IS SHOWN

ROOM TAG SYMBOL
ROOM NAME
ROOM NUMBER

DOOR SYMBOL
DOOR NUMBER
FRAME TYPE
DOOR TYPE

13'-4" DIMENSION TO FACE OR EDGE
13'-4" DIMENSION TO CENTERLINE
EL 14'-0" ELEVATION ABOVE SEA LEVEL
ITEM IDENTIFIED

WINDOW / STOREFRONT / CURTAIN WALL / LOUVER TYPE

1 PARTITION TYPE

FE-C FIRE EXTINGUISHER RECESSED IN WALL CABINET
FE-B FIRE EXTINGUISHER MOUNTED ON WALL BRACKETS
FD FLOOR DRAIN
• RECESSED FLOOR SLEEVE

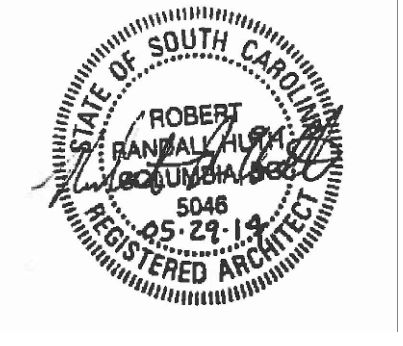
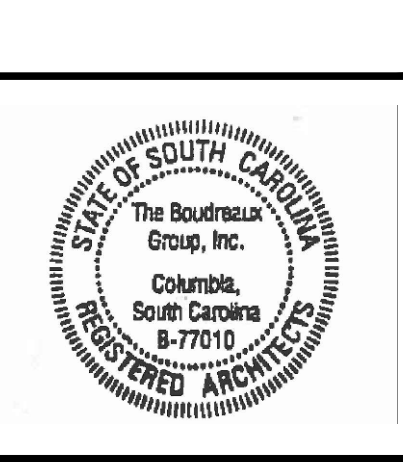
REVISION SYMBOL
CLOUD AROUND REVISION

ALTERNATE WALL SECTION REFERENCES
WALL SECTION / DETAIL NUMBER
WHERE WALL SECTION / DETAIL IS SHOWN
TOP = TOP HALF OF WALL FOR PARTICULAR LEVEL
BOT = BOTTOM HALF OF WALL FOR PARTICULAR LEVEL
SIM = SIMILAR CONDITION
OH = OPPOSITE HAND CONDITION
OPP = OPPOSITE HAND CONDITION
ROT = ROTATED CONDITION

FIRE RATED WALL SYMBOLS
ONE-HOUR FIRE-RATED WALL ASSEMBLY
TWO-HOUR FIRE-RATED WALL ASSEMBLY
FOUR-HOUR FIRE-RATED WALL ASSEMBLY
SEE PARTITION TYPES FOR UL DESIGN NO.'S.

▲ BRICK VENEER / CMU CONTROL JOINT
△ CAST STONE CONTROL JOINT
○ TOILET / LOCKER ROOM ACCESSORY SYMBOL
□ GYPSUM BOARD CONTROL JOINT
X INDICATES A CHANGE IN ORIENTATION OF CUT PLANE (INTERIOR ELEVATION ONLY)

The Boudreaux Group
The Boudreaux Group, Inc.
1330 Lady St., Suite 200 (2000)
P.O. Box 5905
Columbia, SC 29202
803.799.0247
803.777.0844
info@boudreauxgroup.com

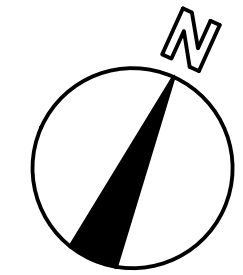
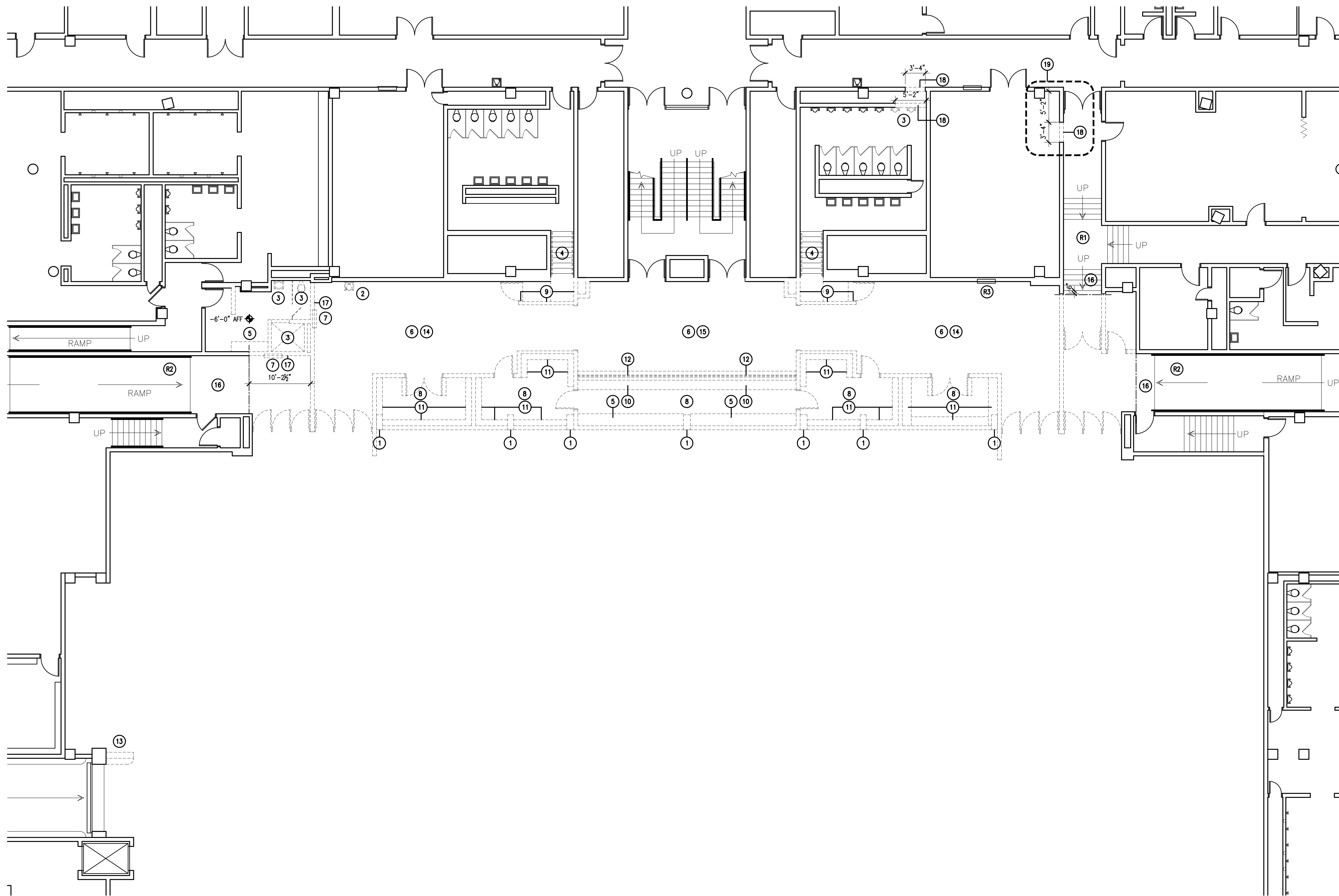


**DEMOLITION/RENOVATIONS FOR COLISEUM
PROJECT FOR ARENA LEVEL
UNIVERSITY OF SOUTH CAROLINA
STATE PROJECT #127-Z167
CONSTRUCTION DOCUMENTS
COLUMBIA, SOUTH CAROLINA**

Project No.	Project Title	Date	Revisions
U-787-14-1	DEMOLITION/RENOVATIONS FOR COLISEUM PROJECT FOR ARENA LEVEL UNIVERSITY OF SOUTH CAROLINA STATE PROJECT #127-Z167 CONSTRUCTION DOCUMENTS COLUMBIA, SOUTH CAROLINA		
Drawn By	Checked By		
KDS	RRH		
05/29/14			

TITLE SHEET, CODE STANDARDS, LOCATION MAPS & INDEX OF DRAWINGS & ALTERNATES

Drawing No. **T1.1**



0 4' 8' 16'
SCALE: 1/8" = 1'-0"

DEMOLITION PLAN - LEVEL 1

SCALE: 1/8" = 1'-0"

DEMOLITION LEGEND:

- REMOVE EXISTING DOOR & FRAME
- REMOVE EXISTING CMU WALL

GENERAL NOTES:

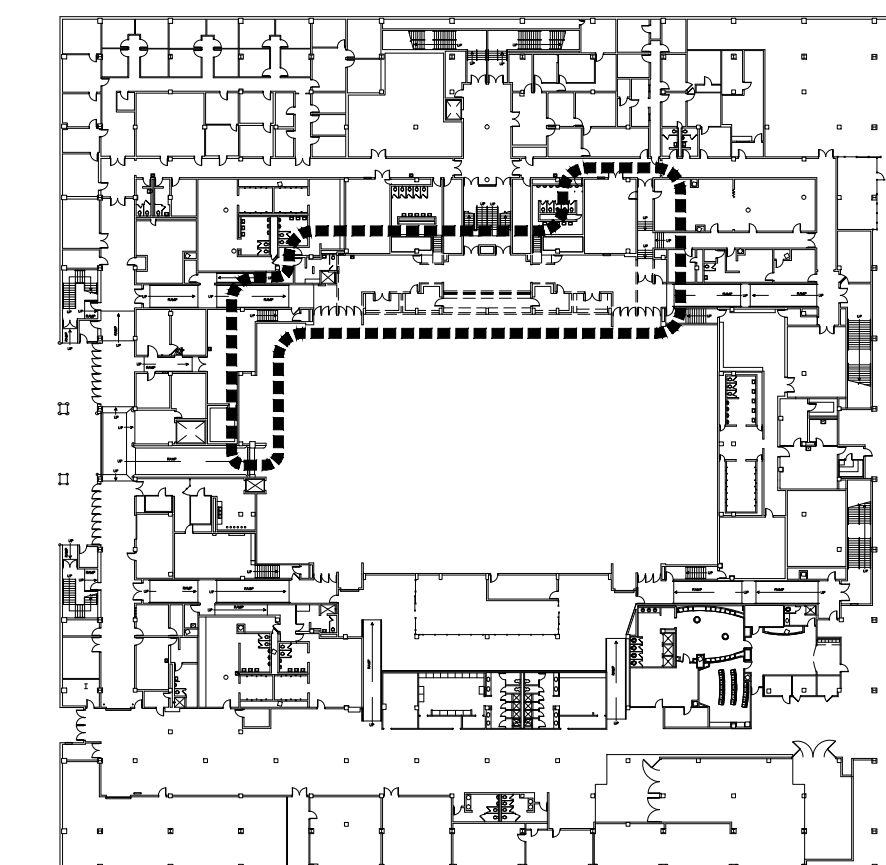
1. ALL COLISEUM DEMO WORK MUST TAKE PLACE DURING THE FOLLOWING HOURS:
 MONDAY 9PM TO 6AM (TUES MORNING)
 TUESDAY 9PM TO 6AM (WEDS MORNING)
 WEDNESDAY 6PM TO 6AM (THURS MORNING)
 THURSDAY 6PM TO 6AM (FRI MORNING)
 FRIDAY 6PM THROUGH 6AM MONDAY MORNING
 ALL NEW CONSTRUCTION WORK THAT WOULD BE DISRUPTIVE TO ONGOING CLASSES MUST ALSO BE PERFORMED DURING THESE HOURS.
2. WORK MUST BE SUSPENDED DURING THE FOLLOWING TIMES TO ACCOMMODATE PREVIOUSLY SCHEDULED EVENTS:
 AUGUST 11TH - 20TH
 AUGUST 23RD (CONCOURSE EVENT ONLY)
 PROJECT SITE MUST BE CLEANED UP BEFORE EVENTS.
3. ALL ASBESTOS CONTAINING MATERIAL TO BE ABATED FROM THE BUILDING UNDER THIS CONTRACT HAS BEEN IDENTIFIED IN THE PROJECT MANUAL AS AN APPENDAGE TO THE PROJECT MANUAL. REFER TO THE PROJECT MANUAL FOR THE OWNER'S REQUIREMENTS. IF MATERIALS ARE DISCOVERED THAT ARE SUSPECTED TO CONTAIN ASBESTOS, DO NOT DISTURB THE MATERIALS AND BRING IT TO THE OWNER'S AND OWNER'S ABATEMENT CONSULTANT'S ATTENTION IMMEDIATELY.
4. ALL LEAD BASED PAINT ON MATERIALS TO BE ABATED FROM THE BUILDING ARE TO BE REMOVED WITH THE MATERIAL AND ARE TO BE DISPOSED OF ON THE ORIGINAL MATERIAL. REFER TO THE PROJECT MANUAL FOR THE OWNER'S REQUIREMENTS. IF MATERIALS ARE DISCOVERED THAT ARE SUSPECTED TO CONTAIN LEAD PAINT, DO NOT DISTURB THE MATERIALS AND BRING IT TO THE OWNER'S AND OWNER'S ABATEMENT CONSULTANT'S ATTENTION IMMEDIATELY.
5. ALL GENERAL CONTRACTORS & DEMOLITION SUBCONTRACTOR BIDDING THE WORK ARE TO VISIT THE BUILDING BEFORE BIDDING THE WORK. ALL COST THAT CAN BE REASONABLY ASCERTAINED DURING SUCH A VISIT SHOULD BE INCLUDED IN THE CONTRACTOR'S BID.

DEMOLITION KEYNOTES:

- 1 REMOVE EXISTING COLUMNS - SEE STRUCTURAL
- 2 REMOVE EXISTING DRINKING FOUNTAIN - ABATEMENT REQUIRED
- 3 REMOVE EXISTING PLUMBING FIXTURES
- 4 EXISTING STAIRS TO REMAIN. REMOVE HAND RAILS.
- 5 REMOVE EXISTING PLASTIC LAMINATE MILLWORK CONSISTING OF BASE CABINETS & COUNTER TOPS
- 6 REMOVE EXISTING CARPET & RUBBER BASE. REMOVE MASTIC & PREP FLOOR FOR SEALING FOR THIS ENTIRE SPACE
- 7 REMOVE EXISTING HOSE CABINET - SEE PLUMBING DRAWINGS
- 8 REMOVE EXISTING CERAMIC TILE FLOORING & BASE. CAP ALL FLOOR DRAINS FOR THIS ENTIRE SPACE.
- 9 DEMO GLAZED CMU WALL PER STRUCTURAL
- 10 REMOVE EXISTING PLASTIC LAMINATE COUNTERTOP & SUPPORTS
- 11 REMOVE EXISTING SHELVEING
- 12 REMOVE EXISTING METAL ROLLING COUNTER SHUTTERS AND ALL ASSOCIATED HARDWARE
- 13 REMOVE EXISTING CAST IN PLACE CONCRETE WALL & ADJACENT CURB - SEE STRUCTURAL
- 14 REMOVE EXISTING SUSPENDED ACOUSTIC CEILING AND ALL HVAC/ELECTRICAL FIXTURES FOR THIS ENTIRE SPACE. SEE M/E/P DRAWINGS.
- 15 REMOVE EXISTING GYPSUM BOARD CEILING AND ALL HVAC/ELECTRICAL FIXTURES FOR THIS ENTIRE SPACE. SEE M/E/P DRAWINGS.
- 16 NO FLOOR FINISH OR CEILING DEMO IN THIS AREA. COORDINATE EXACT LOCATION w/ARCHITECT IN FIELD
- 17 DEMO CMU WALL TO ARENA FLOOR LEVEL.
- 18 CUT OPENING IN EXISTING CMU WALL. PROVIDE PRECAST LINTEL.
- 19 ALTERNATE #2: NEW JANITOR'S CLOSET

ITEMS TO REMAIN KEYNOTES:

- (R1) EXISTING STAIRS & HAND RAIL TO REMAIN.
- (R2) EXISTING RAMP & HAND RAIL TO REMAIN.
- (R3) EXISTING HOSE CABINET TO REMAIN.

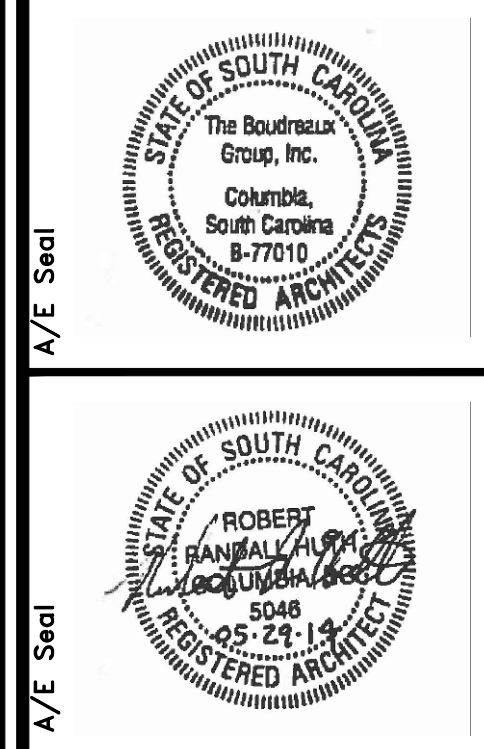


KEY PLAN - LEVEL 1

N.T.S.

The Boudreaux Group
 The Boudreaux Group, Inc.
 1320 Leahy St., Suite 200 (3900)
 Columbia, SC 29209
 803.739.0242 P
 803.777.8844 F
 info@boudreauxgroup.com

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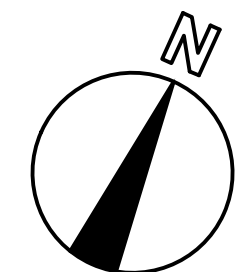
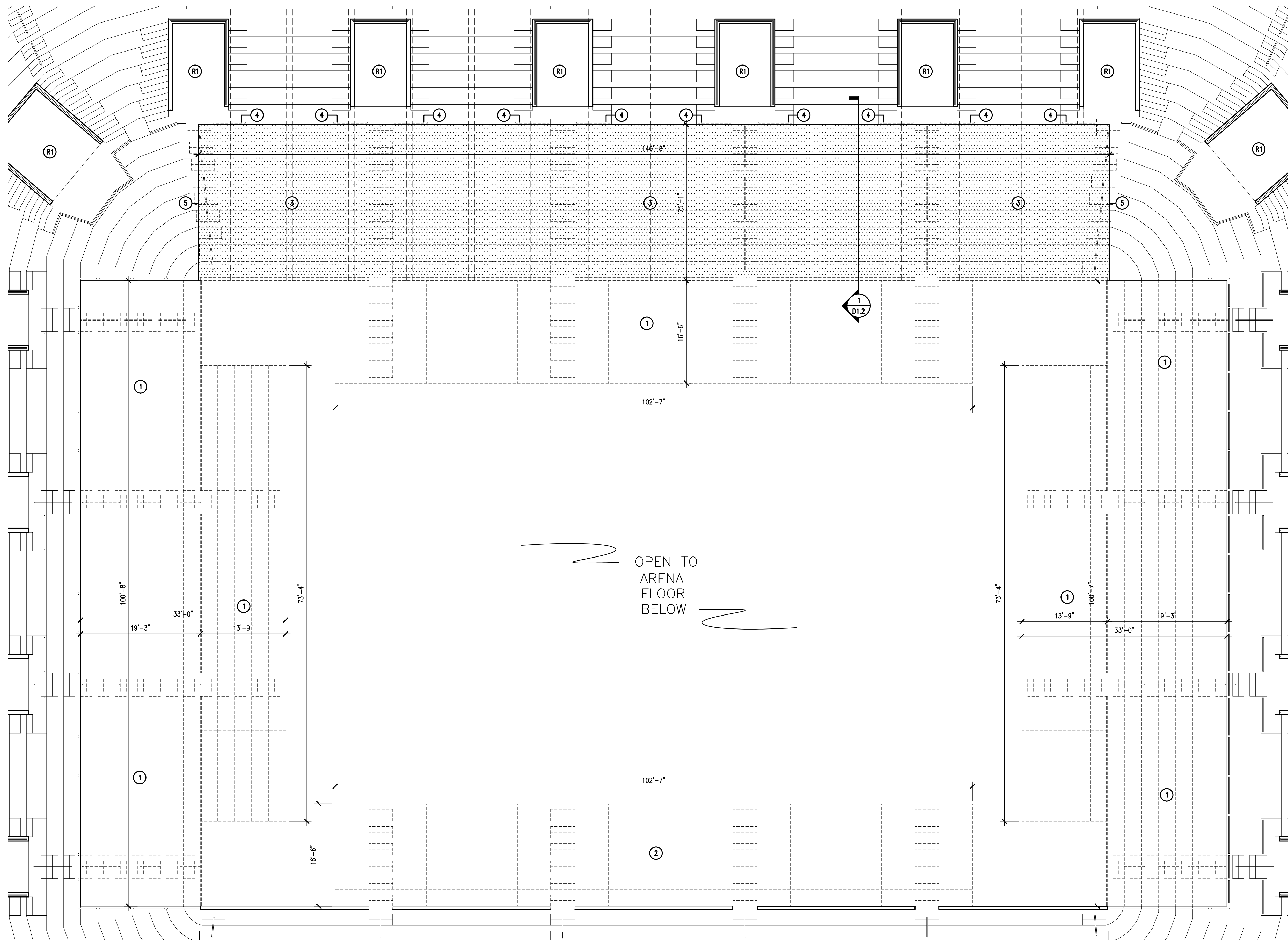
DEMOLITION/RENOVATIONS FOR COLISEUM PROJECT FOR ARENA LEVEL UNIVERSITY OF SOUTH CAROLINA STATE PROJECT #H27-Z167 CONSTRUCTION DOCUMENTS COLUMBIA, SOUTH CAROLINA

Project No. U-787-14-1
 Drawn By
 Checked By
 Date 05.29.14
 See drawing for the design, location, and extent of the work. The contractor shall be responsible for the location and extent of the work. The contractor shall be responsible for the location and extent of the work. The contractor shall be responsible for the location and extent of the work.

Revisions No.	Name	Date

DEMOLITION PLAN & KEY PLAN COLISEUM - LEVEL 1

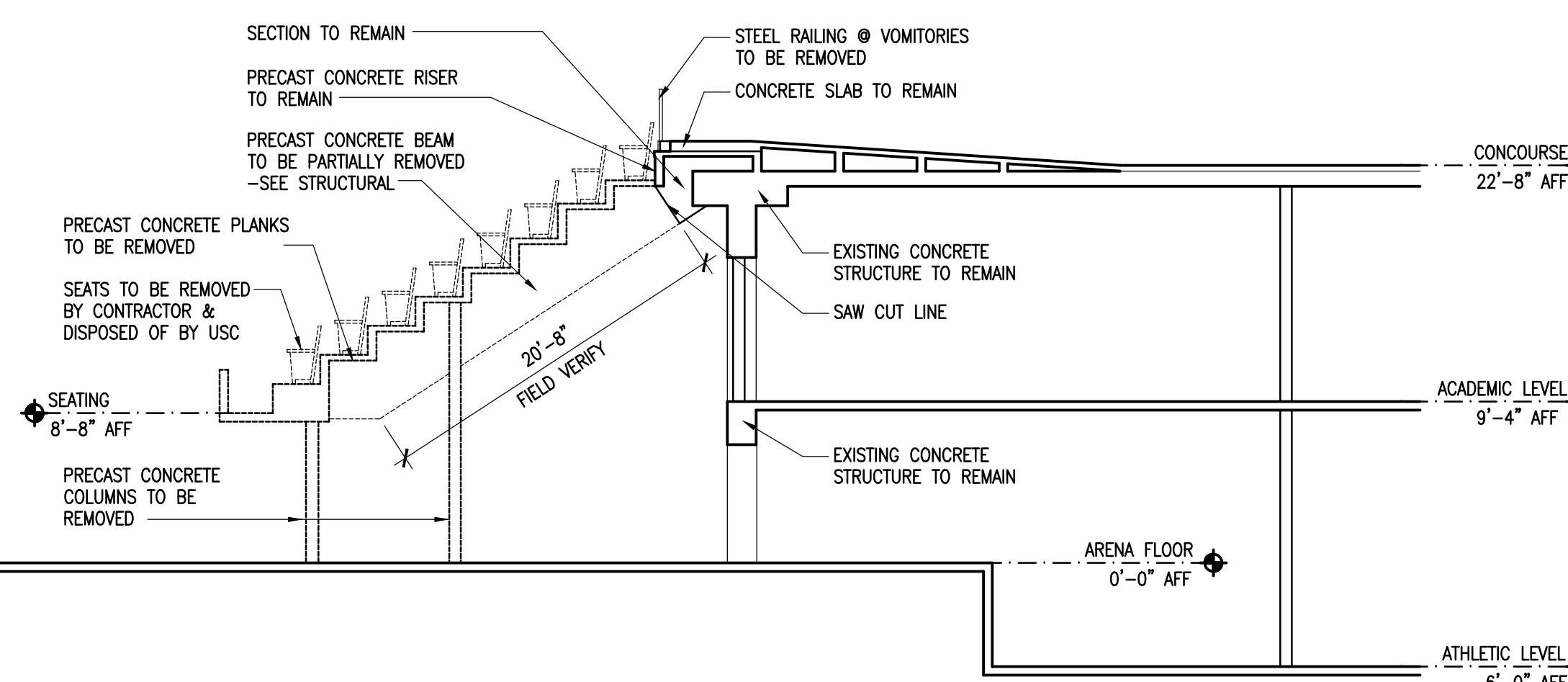
Drawing No. **D1.1**



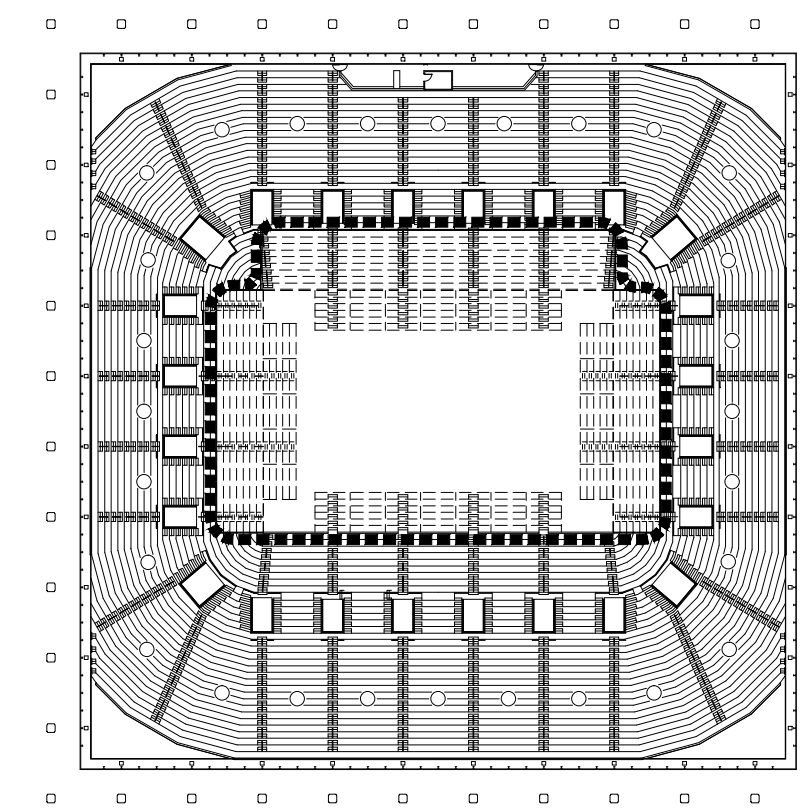
0 4' 8' 16'
SCALE: 1/8" = 1'-0"

DEMOLITION PLAN - 5TH LEVEL
SCALE: 1/8" = 1'-0"

OPEN TO
ARENA
FLOOR
BELOW



1 DEMO SECTION
D1.2 SCALE: 1/8" = 1'-0"



KEY PLAN - LEVEL 5
N.T.S.

DEMOLITION GENERAL NOTES:

1. FIELD VERIFY ALL DIMENSIONS OF EXISTING CONSTRUCTION
2. INDIVIDUAL SEATS IN DEMO AREA TO BE UNBOLTED FROM STRUCTURE AND PLACED AT PARK STREET LOADING AREA. SEATS ARE TO BE CONSIDERED USC PROPERTY AND WILL BE DISPOSED OF DIRECTLY BY USC.

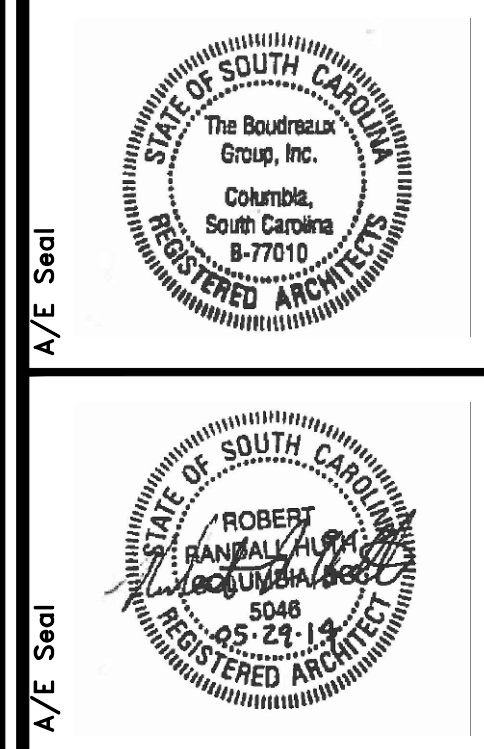
DEMOLITION KEYNOTES:

- 1 REMOVE RETRACTABLE SEATING IN ITS' ENTIRETY. SEATING TO REMAIN PROPERTY OF USC. RELOCATE TO PARK STREET LOADING AREA FOR PICK UP BY STATE SURPLUS.
- 2 ALTERNATE # 3: REMOVE RETRACTABLE SEATING IN ITS' ENTIRETY AFTER COMPLETION OF AUGUST 19, 2014 EVENT. SEATING TO REMAIN PROPERTY OF USC. RELOCATE TO PARK STREET LOADING AREA FOR PICK UP BY STATE SURPLUS.
- 3 SAWCUT CONCRETE BEAMS & REMOVE PRECAST PLANKS & STAIRS IN HATCHED AREA - SEE STRUCTURAL DRAWINGS.
- 4 SAW CUT/GRIND RAILINGS FLUSH WITH CONCRETE FLOOR.
- 5 EXTENT OF DEMO DEPENDENT OF EXACT BEAM LOCATION. LOCATE IN FIELD & RECEIVE APPROVAL FROM STRUCTURAL ENGINEER BEFORE REMOVING STRUCTURE.

ITEMS TO REMAIN KEYNOTES:

- (R) EXISTING VOMITORY TO REMAIN

The Boudreaux Group
The Boudreaux Group, Inc.
1329 Leahy St., Suite 200 (9900)
Columbia, SC 29209
803.739.0247 F
803.771.8844 P
http://www.theboudreauxgroup.com



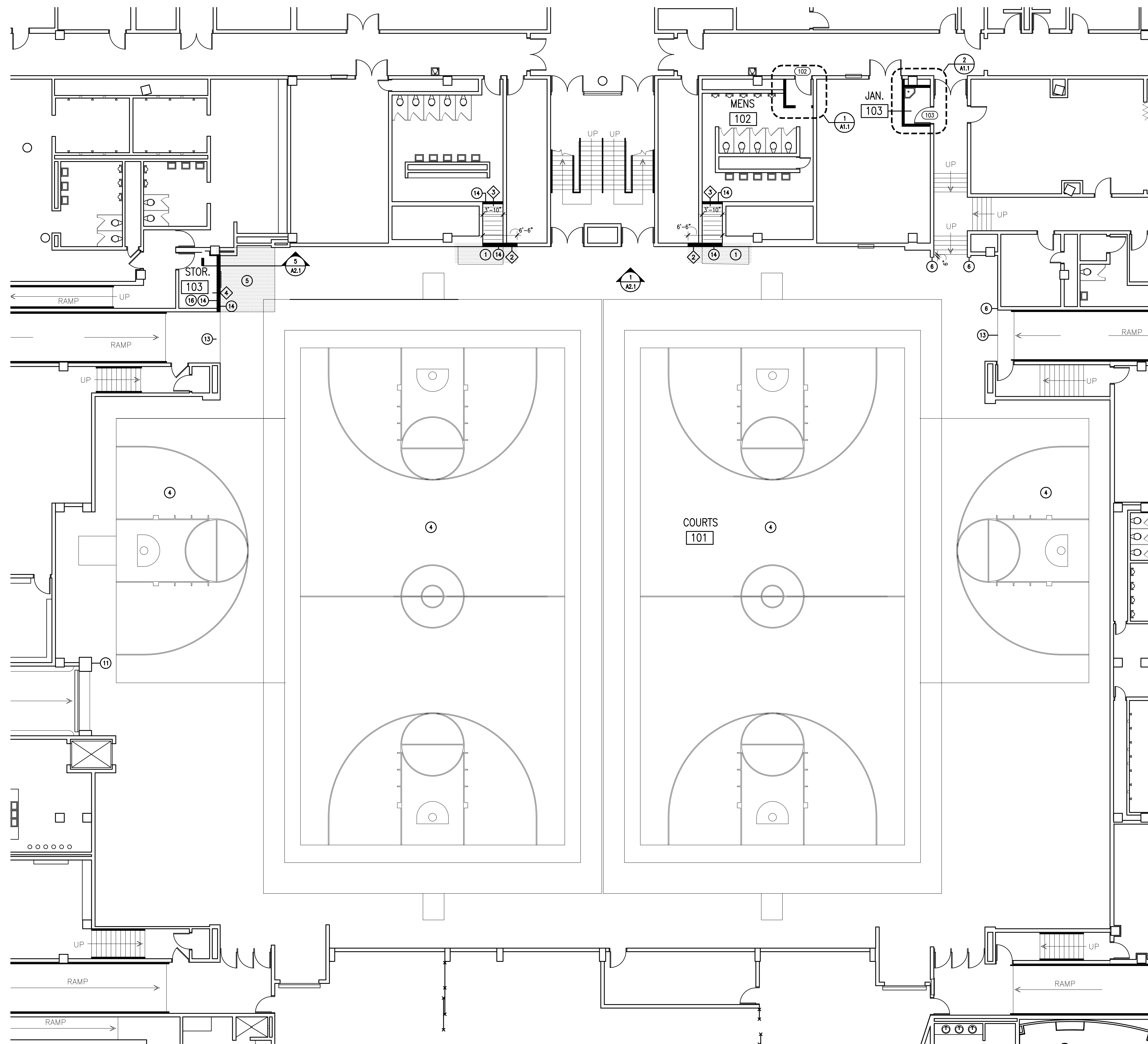
**DEMOLITION/RENOVATIONS FOR COLISEUM
PROJECT FOR ARENA LEVEL
UNIVERSITY OF SOUTH CAROLINA
STATE PROJECT #H27-Z167
CONSTRUCTION DOCUMENTS
COLUMBIA, SOUTH CAROLINA**

Project No. U-787-14-1
Drawn By
Checked By
Date 05.29.14
This drawing is the design of the project. It is not to be used for construction without the approval of the design professional. The design professional is not responsible for any errors or omissions in this drawing. The design professional is not responsible for any construction methods or materials used in the construction of the project. The design professional is not responsible for any construction methods or materials used in the construction of the project.

Revisions	No.	Name	Date

**DEMOLITION PLAN & KEY PLAN
COLISEUM - LEVEL 5**

Drawing No. **D1.2**



CONSTRUCTION LEGEND:

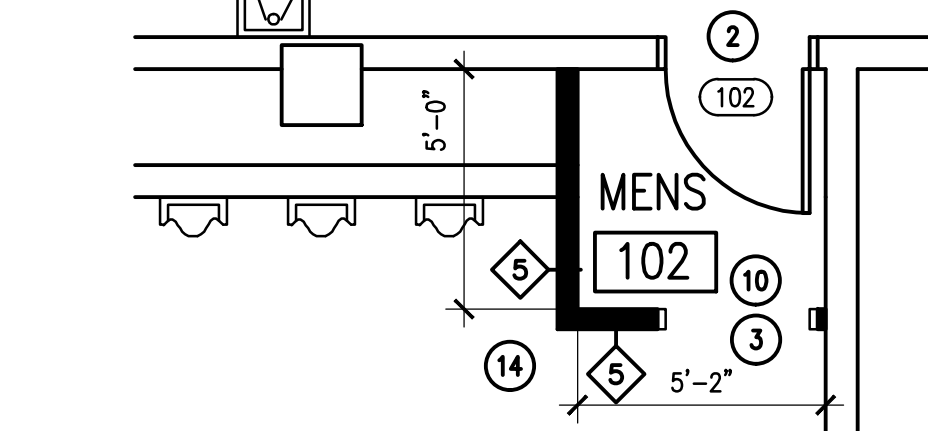
- NEW DOOR & FRAME
- NEW INTERIOR PARTITION

GENERAL NOTES:

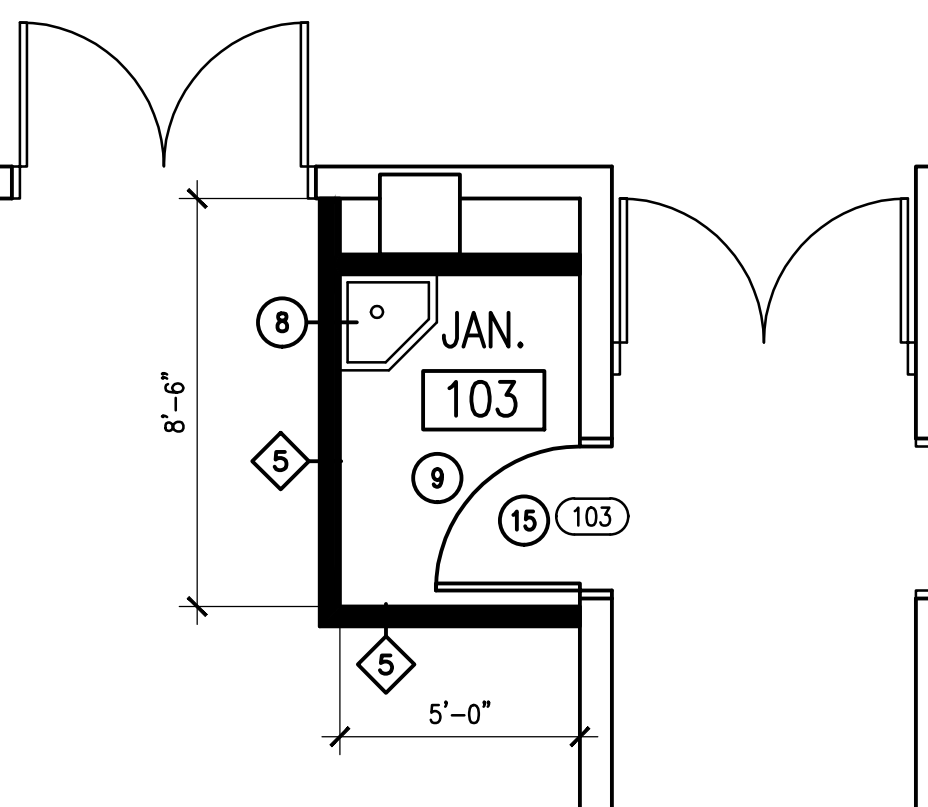
1. FIELD VERIFY ALL DIMENSIONS OF EXISTING CONSTRUCTION
2. SEE SHEET A3.1 FOR INTERIOR PARTITION TYPES
3. ALL NEW CONSTRUCTION WORK THAT WOULD BE DISRUPTIVE TO ONGOING CLASSES MUST BE PERFORMED DURING THESE HOURS:
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 AUGUST 23RD (CONCOURSE EVENT ONLY)
 PROJECT SITE MUST BE CLEANED UP BEFORE EVENTS.

CONSTRUCTION KEYNOTES:

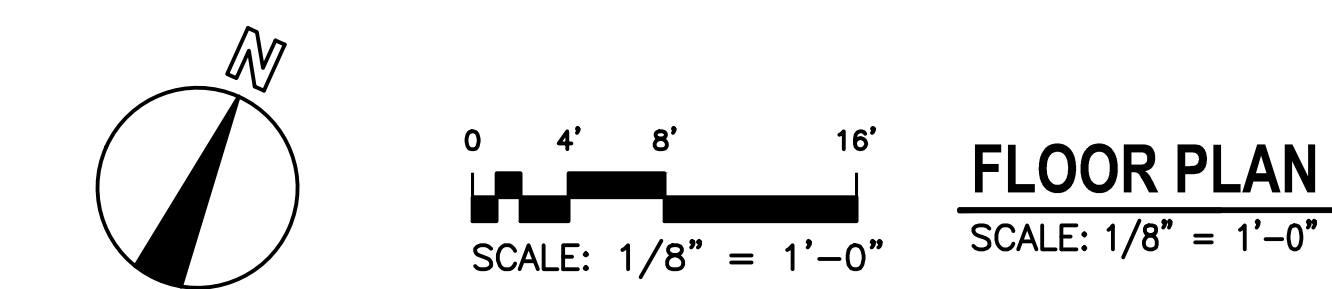
- 1 LEVEL FLOOR - SEE STRUCTURAL
- 2 NEW 3'-0" X 7'-0" WOOD DOOR, PTD. TO MATCH EXISTING W/2" HOLLOW METAL FRAME W/4" HEAD @ EXISTING CMU WALL. PROVIDE (3) HINGES, PUSH/PULL HARDWARE & CLOSER. PROVIDE STEEL LINTEL. PAINT TO MATCH EXISTING.
- 3 NEW 3'-0" X 7'-0" PAINTED 2" HOLLOW METAL CASSED OPENING.
- 4 NEW COURT FLOORING BY OWNER
- 5 NEW CONCRETE SLAB & FRAMING - SEE STRUCTURAL
- 6 GROUT CUT EDGES OF CMU SMOOTH. PAINT TO MATCH EXISTING.
- 7 NOT USED
- 8 NEW MOP SINK - SEE PLUMBING
- 9 EXISTING SEALED CONCRETE FLOOR W/4" THERMOPLASTIC RUBBER BASE W/COVE. ARCHITECT TO SELECT FROM STANDARD COLORS
- 10 NEW 6"x6" PORCELAIN TILE FLOOR W/6"x12" PORCELAIN TILE COVE BASE - CROSSVILLE, MAIN STREET. ARCHITECT TO SELECT FROM STANDARD COLORS. PROVIDE TRANSITION STRIP AT DOOR THRESHOLD.
- 11 GROUT EDGE OF COLUMN SMOOTH @ AREA OF WALL DEMO
- 12 W6X20 STEEL BEAMS (6'-0" MAX SPACING) SEE STRUCTURAL
- 13 PROVIDE RUBBER FLOORING TERMINATION STRIP. COORDINATE EXACT LOCATION W/ARCHITECT IN FIELD
- 14 EXISTING TILE FLOOR & BASE TO REMAIN. PROVIDE NEW 4" THERMOPLASTIC RUBBER BASE W/COVE AT NEW WALL. ARCHITECT TO SELECT FROM STANDARD COLORS.
- 15 NEW 3'-0" X 7'-0" WOOD DOOR, PTD. TO MATCH EXISTING W/2" HOLLOW METAL FRAME W/4" HEAD @ EXISTING CMU WALL. PROVIDE (3) HINGES, STOREROOM HARDWARE & CLOSER. PROVIDE STEEL LINTEL. PAINT TO MATCH EXISTING.
- 16 W6X20 STEEL BEAMS (6'-0" MAX SPACING) SEE STRUCTURAL



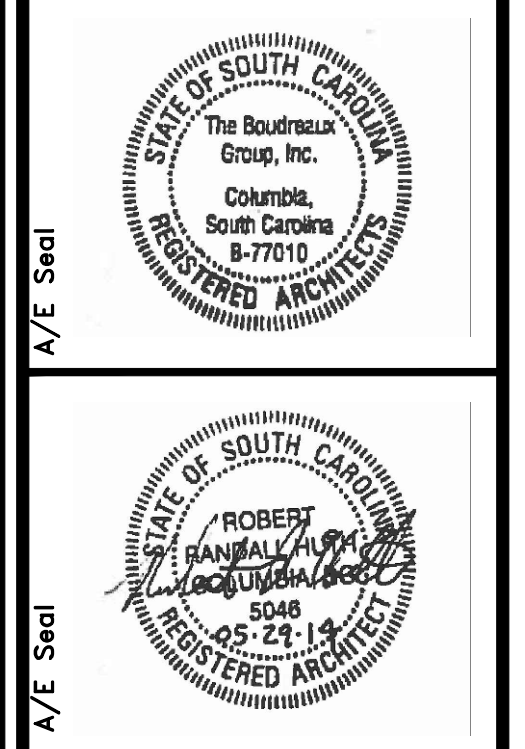
1 ENLARGED PLAN
A1.1 SCALE: 1/4" = 1'-0"



2 ALTERNATE #2 ENLARGED PLAN
A1.1 SCALE: 1/4" = 1'-0"



The Boudreaux Group
 The Boudreaux Group, Inc.
 1320 July St., Suite 900 (9900)
 Columbia, SC 29209
 803.779.0247 F
 info@boudreauxgroup.com
Interdisciplinary Design Architecture Interiors Planning

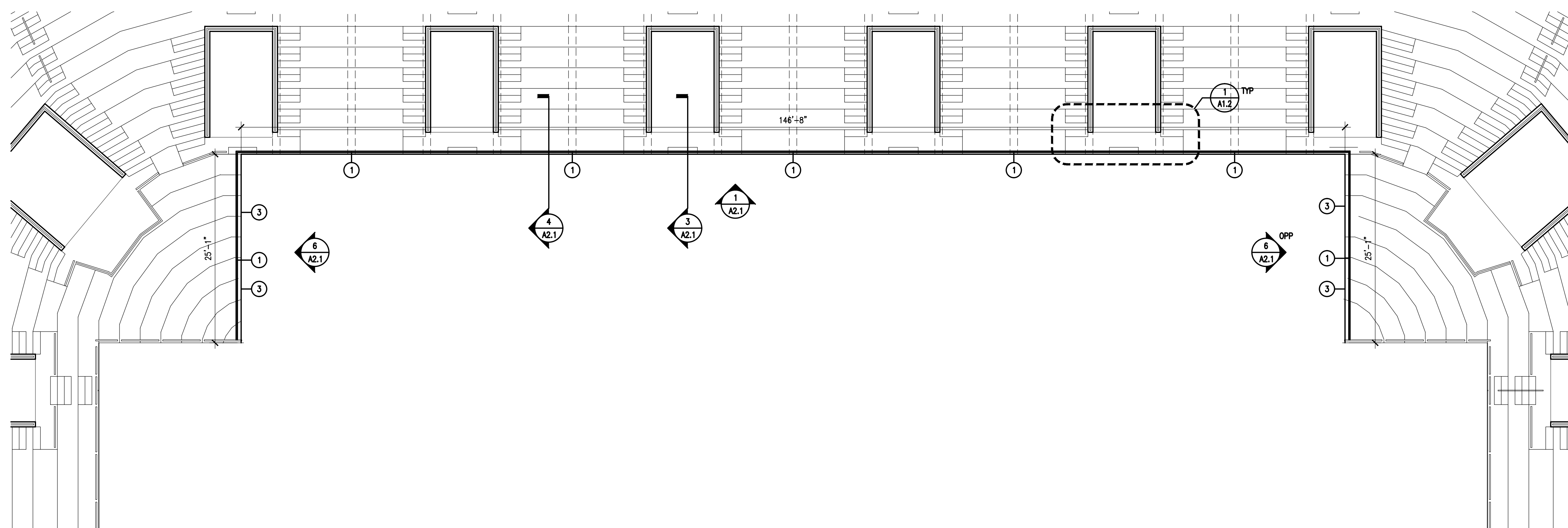


DEMOLITION/RENOVATIONS FOR COLISEUM PROJECT FOR ARENA LEVEL UNIVERSITY OF SOUTH CAROLINA STATE PROJECT #H27-Z167 CONSTRUCTION DOCUMENTS
 COLUMBIA, SOUTH CAROLINA

Project No.	Project Title	Date	Drawn By	Checked By
U-787-14-1	DEMOLITION/RENOVATIONS FOR COLISEUM PROJECT FOR ARENA LEVEL UNIVERSITY OF SOUTH CAROLINA STATE PROJECT #H27-Z167 CONSTRUCTION DOCUMENTS	05.29.14		

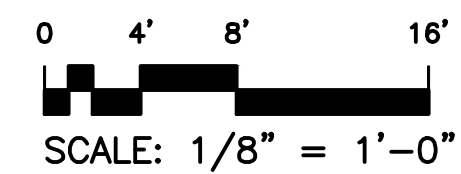
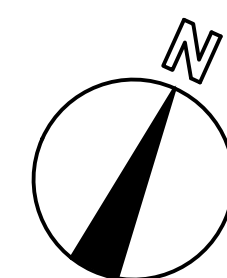
FLOOR PLAN & ENLARGED PLANS COLISEUM- LEVEL 1

Drawing No. **A1.1**



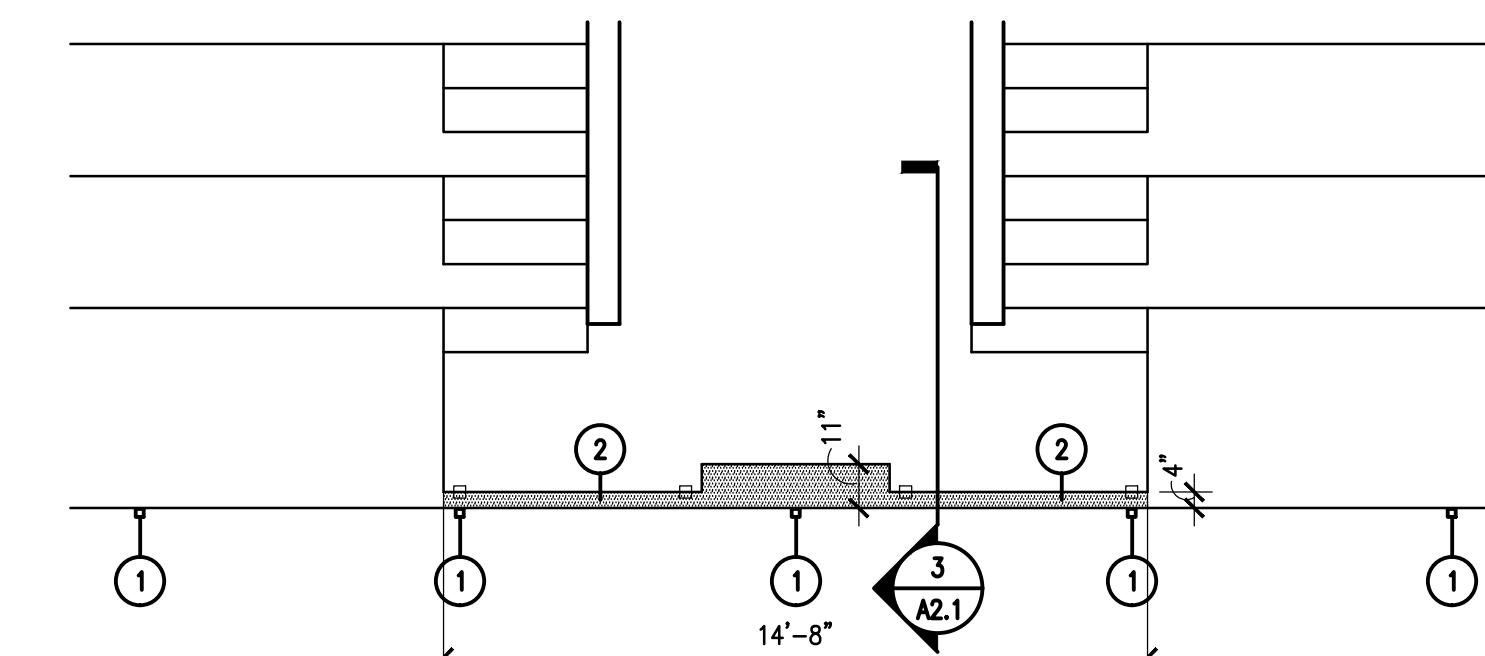
CONSTRUCTION KEYNOTES:

- 1 NEW PAINTED METAL GUARDRAIL BY OWNER
- 2 INFILL HATCHED AREA WITH CONCRETE PER STRUCTURAL (SEE ENLARGED PLAN BELOW)
- 3 GRIND CUT EDGE OF CONCRETE PLANK SMOOTH

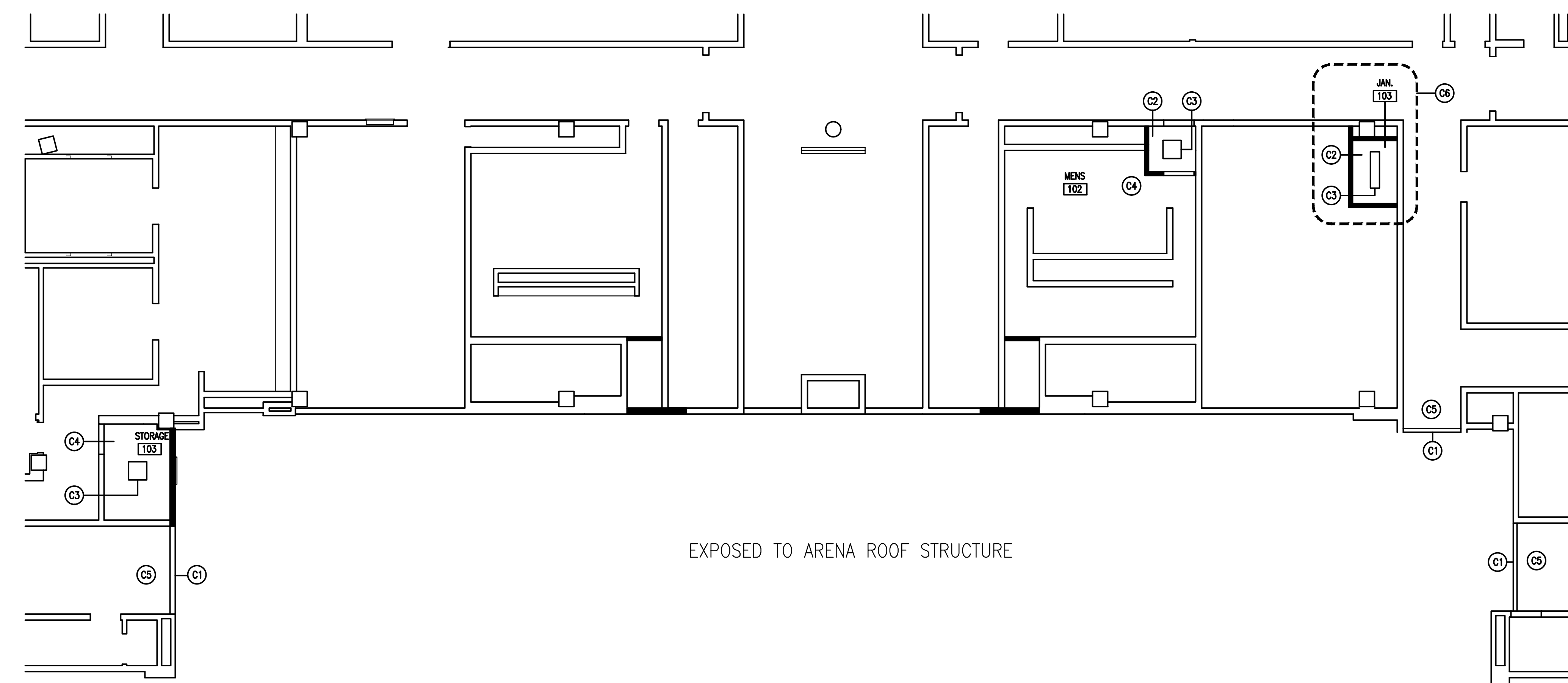


FLOOR PLAN - LEVEL 5

SCALE: 1/8" = 1'-0"



@ VOMITORIES
1 ENLARGED PLAN
SCALE: 1/4" = 1'-0"

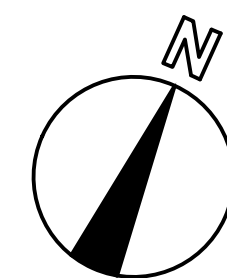


GENERAL NOTES:

- 1. FIELD VERIFY ALL EXISTING DIMENSIONS.

REFLECTED CEILING PLAN KEYNOTES:

- C1 PROVIDE PAINTED GYPSUM HEADER (3/4" GYPSUM BOARD ON 3 3/4" METAL STUDS) AT CEILING TERMINATION LOCATION. HEADER TO RUN TO UNDERSIDE OF SLAB ABOVE. COORDINATE FINAL LOCATION w/ARCHITECT IN FIELD. GYPSUM BD TO TERMINATE 6" ABOVE CEILING ON BACK SIDE OF HEADER
- C2 PROVIDE NEW 3/8" GYPSUM BOARD CEILING ON 3 3/4" METAL STUDS @ 12" O.C. IN NEW ENTRY - SEE PARTITION TYPES FOR ADDITIONAL DETAILS.
- C3 PROVIDE NEW FLUORESCENT FIXTURE - SEE ELECTRICAL
- C4 REWORK EXISTING CEILING @ NEW WALL. MODIFY EXISTING MAIN SUPPORTS & PROVIDE SECONDARY MEMBERS AS REQUIRED.
- C5 REWORK EXISTING CEILING @ NEW HEADER. MODIFY EXISTING MAIN SUPPORTS & PROVIDE SECONDARY MEMBERS AS REQUIRED.
- C6 ALTERNATE #2: NEW JANITOR'S CLOSET

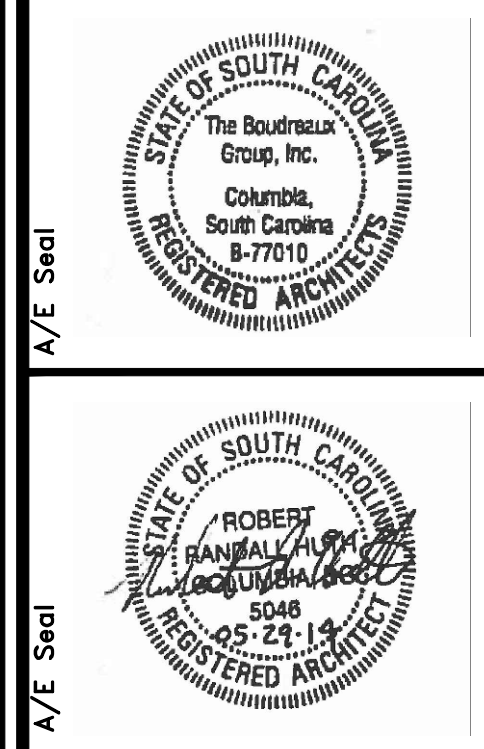


@ LEVEL 1
REFLECTED CEILING PLAN

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

The Boudreaux Group
The Boudreaux Group, Inc.
1320 July St., Suite 200 (E990)
Columbia, SC 29209
803.779.0247 P
803.779.0844 F
http://www.theboudreauxgroup.com

Interdisciplinary Design Architecture Interiors Planning



Project Title
**DEMOLITION/RENOVATIONS FOR COLISEUM
PROJECT FOR ARENA LEVEL
UNIVERSITY OF SOUTH CAROLINA
STATE PROJECT #H27-Z167**

Project No.
U-787-14-1

Drawn By
Date

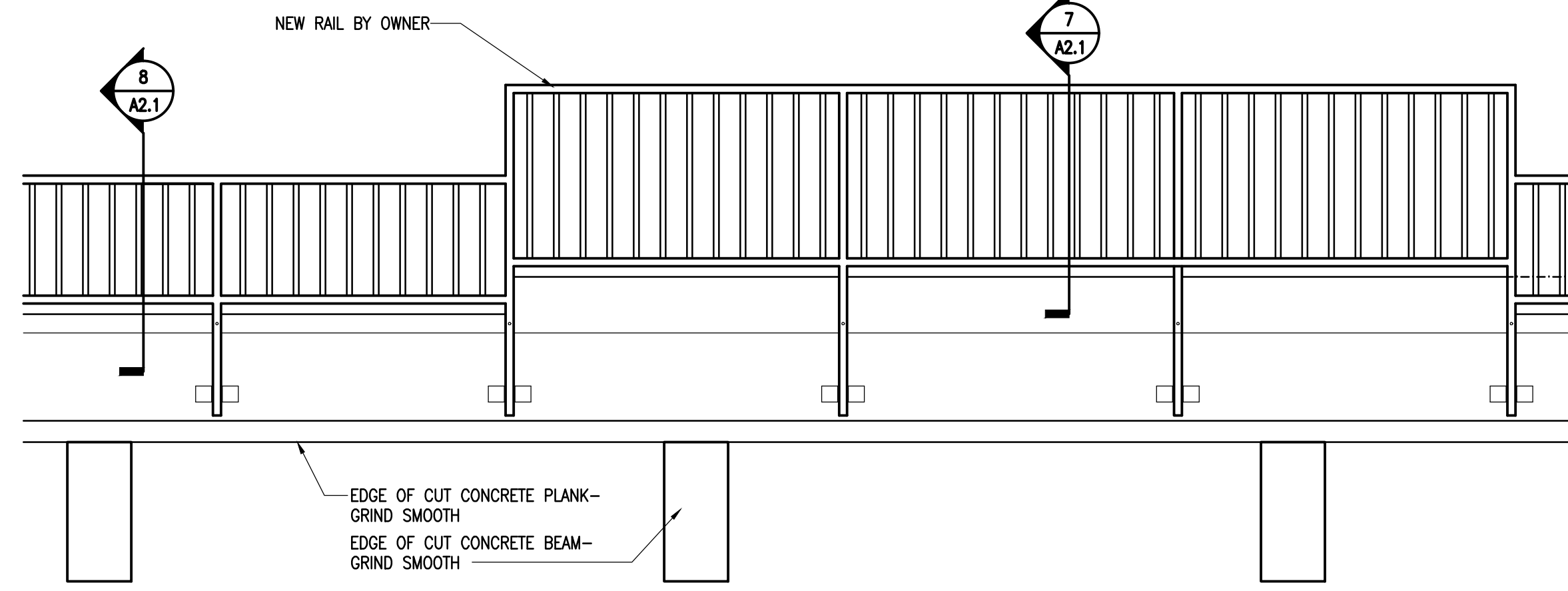
Checked By
Date
05.29.14

This drawing is the design solution of the architect and is not to be used for construction without the approval of the architect. The architect shall be notified in writing of any changes to the design solution. The architect shall be notified in writing of any changes to the design solution. The architect shall be notified in writing of any changes to the design solution.

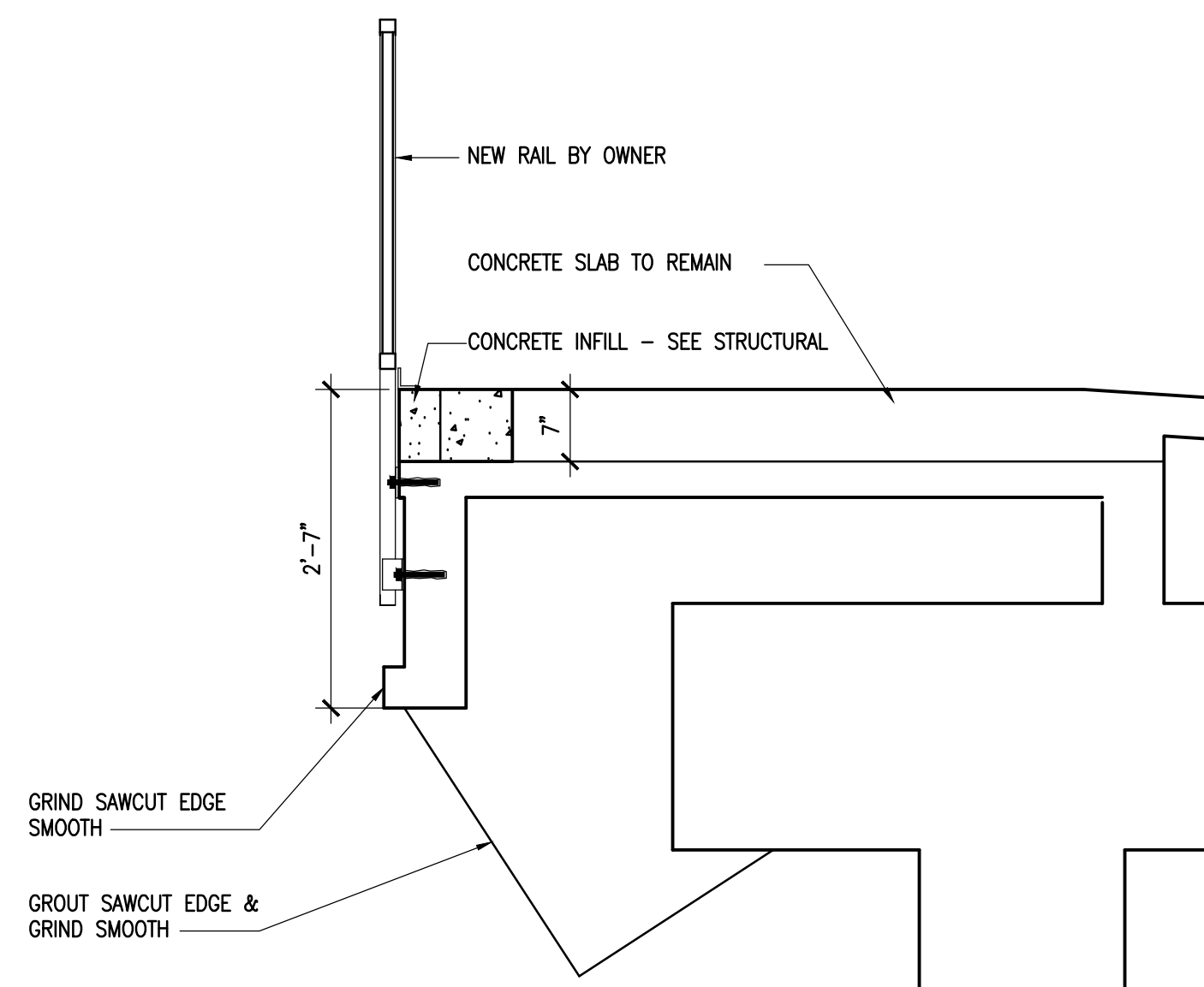
Revisions	No.	Name	Date

Drawing Title
**FLOOR PLAN, ENLARGED
PLAN, REFLECTED CLG PLAN
COLISEUM - LEVEL 1 & 5**

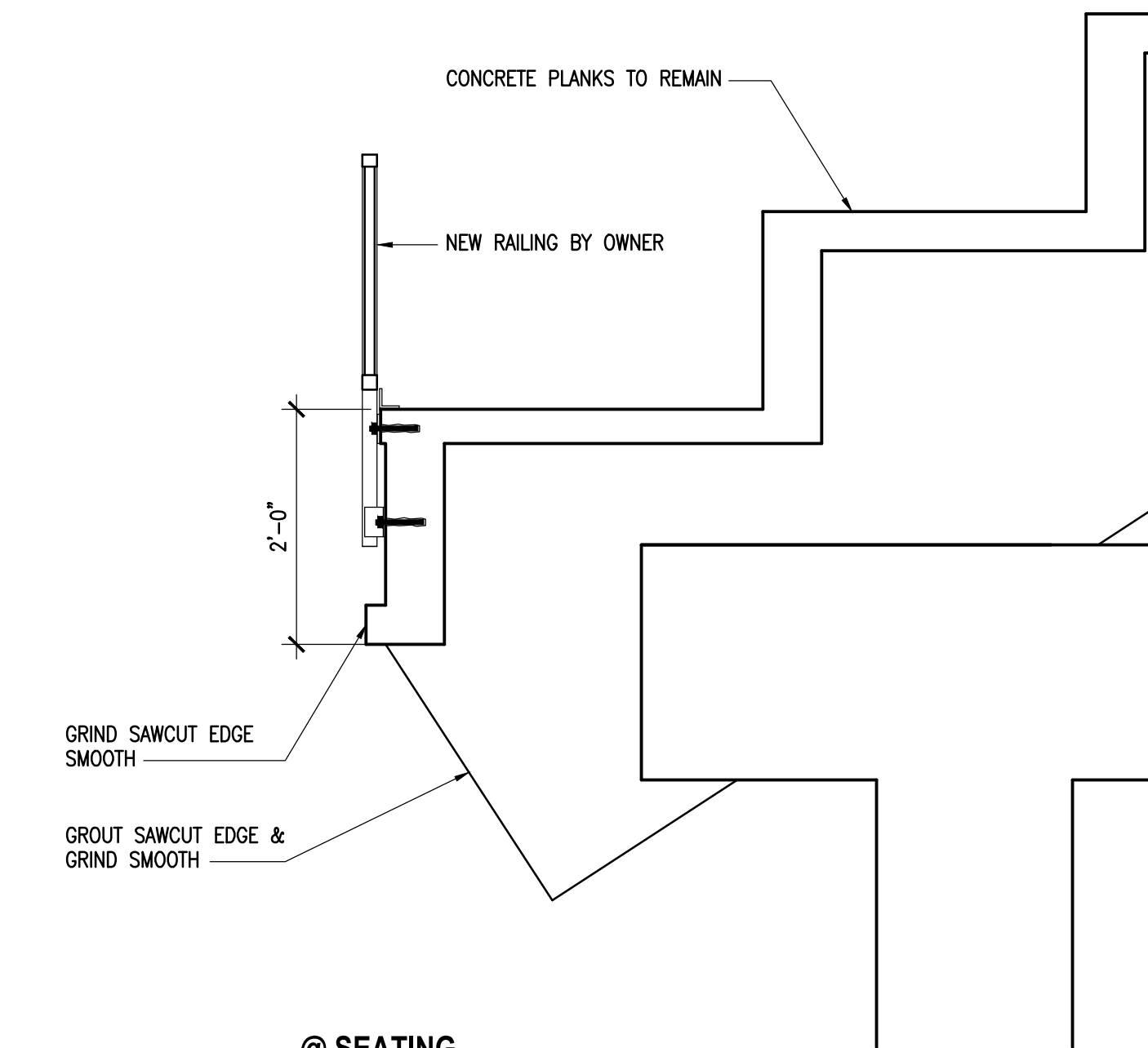
Drawing No.
A1.2



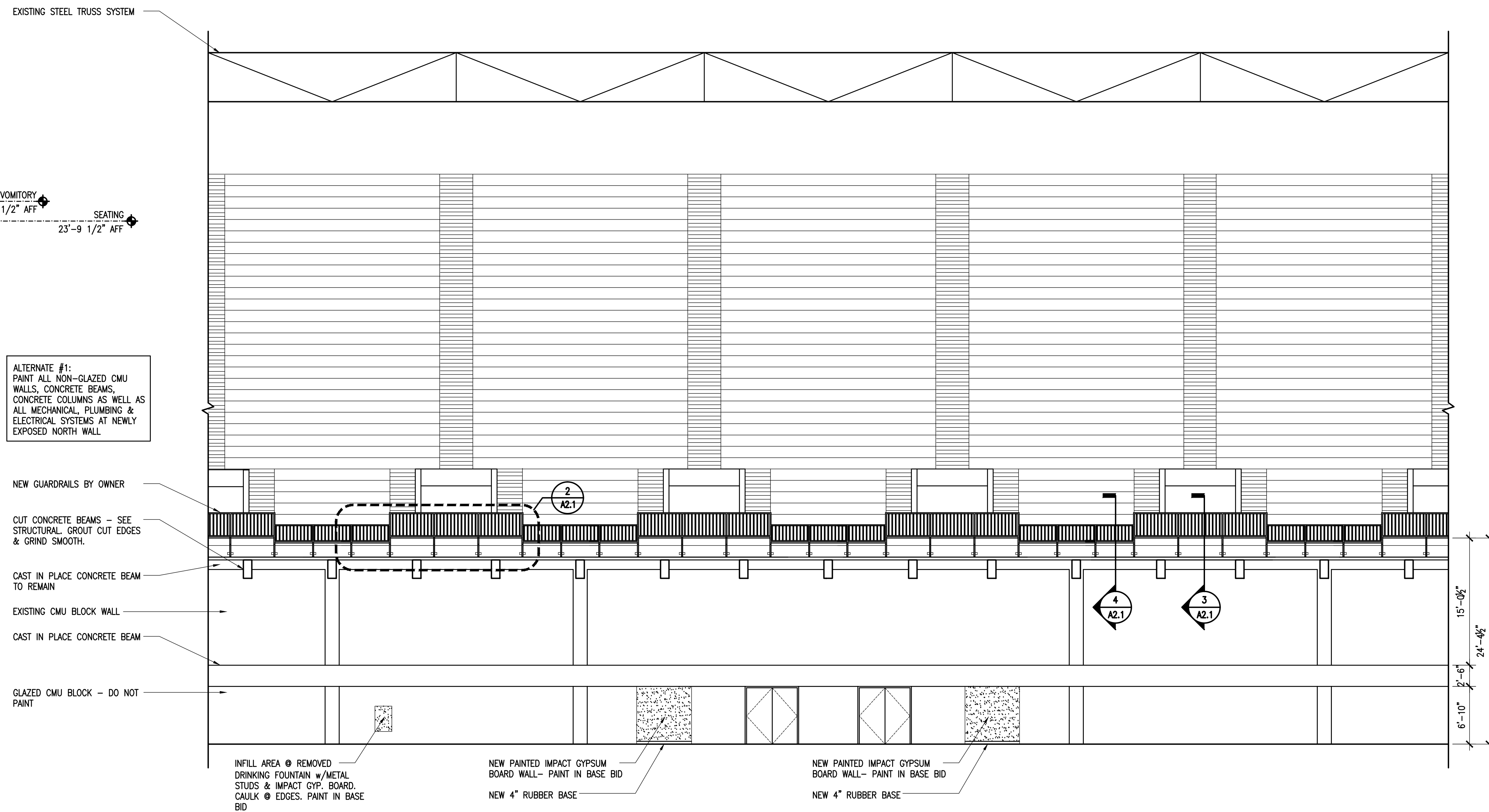
2 PARTIAL ELEVATION
A2.1 SCALE: 1/2" = 1'-0"



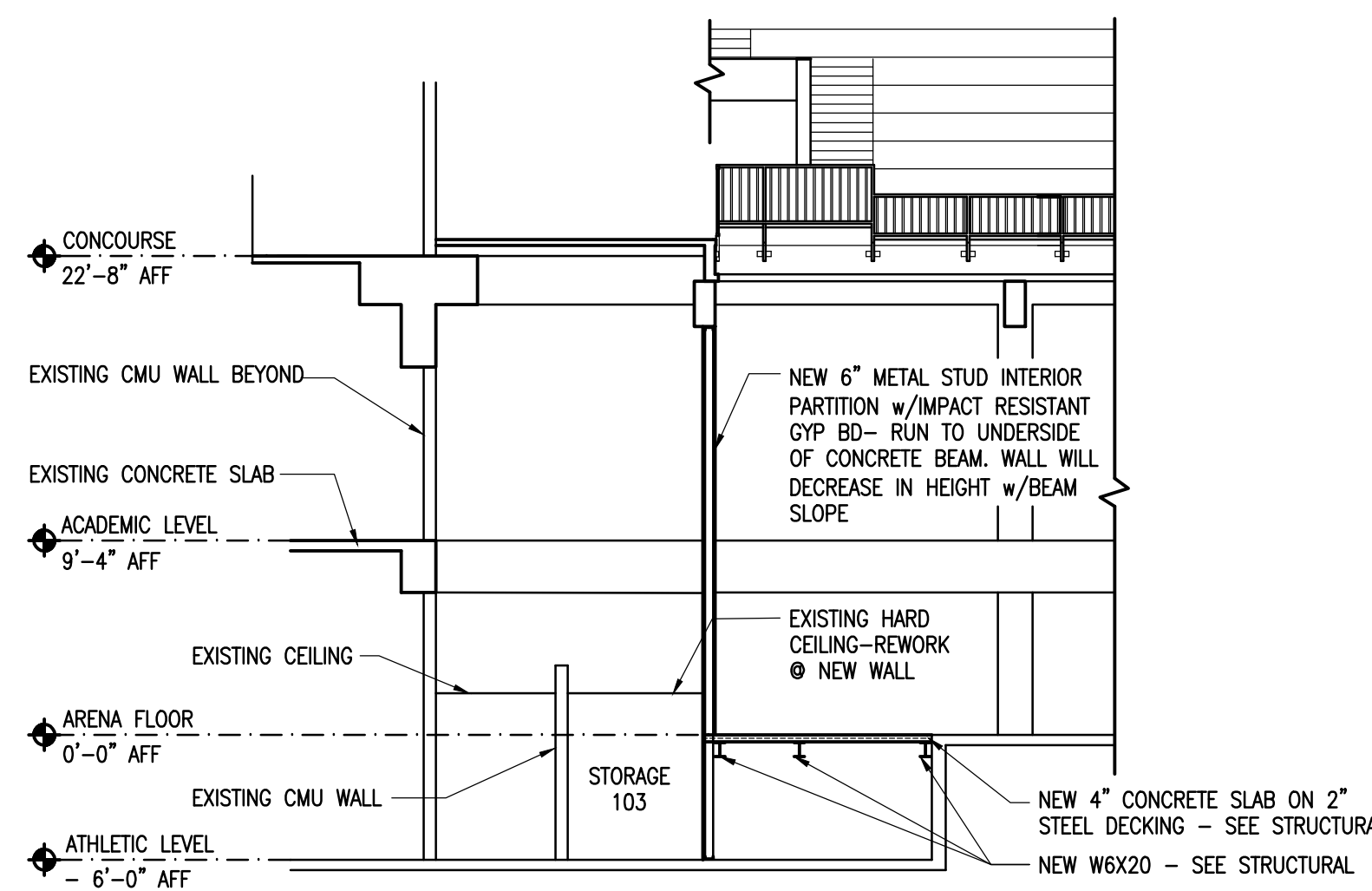
**7 @ VOMITORIES
DETAIL SECTION**
A2.1 SCALE: 3/4" = 1'-0"



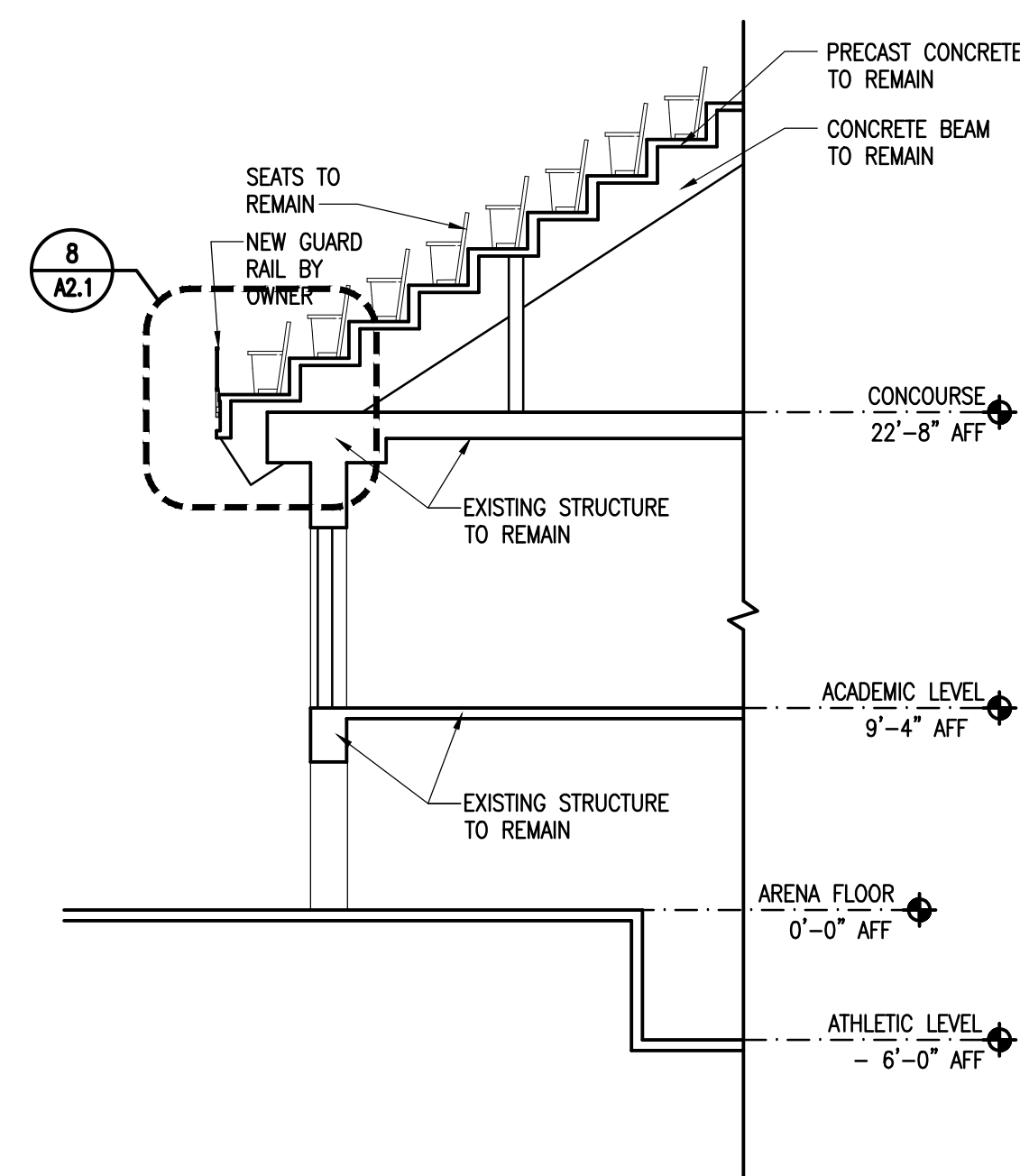
**8 @ SEATING
DETAIL SECTION**
A2.1 SCALE: 3/4" = 1'-0"



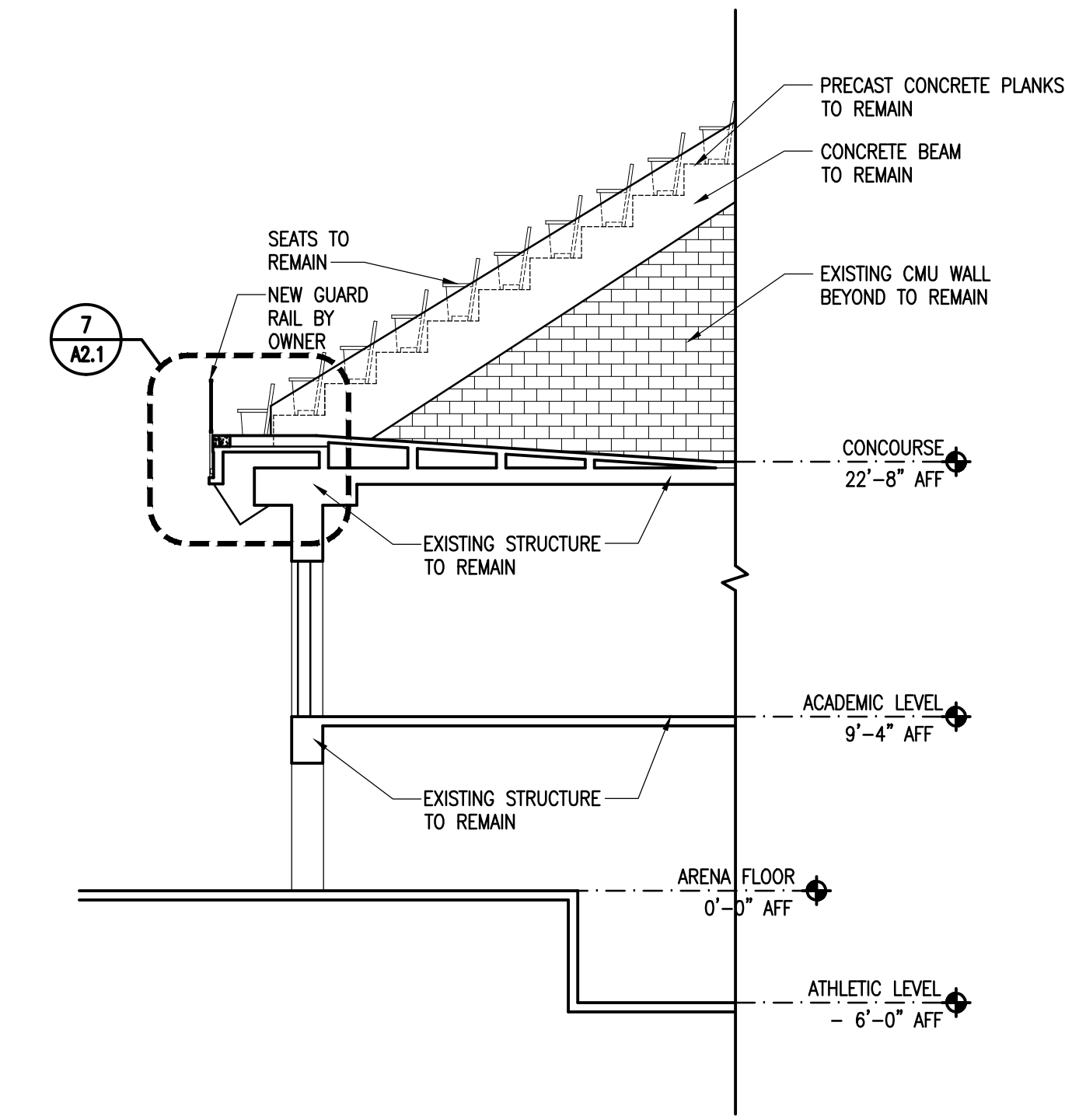
1 INTERIOR ELEVATION
A2.1 SCALE: 1/8" = 1'-0"



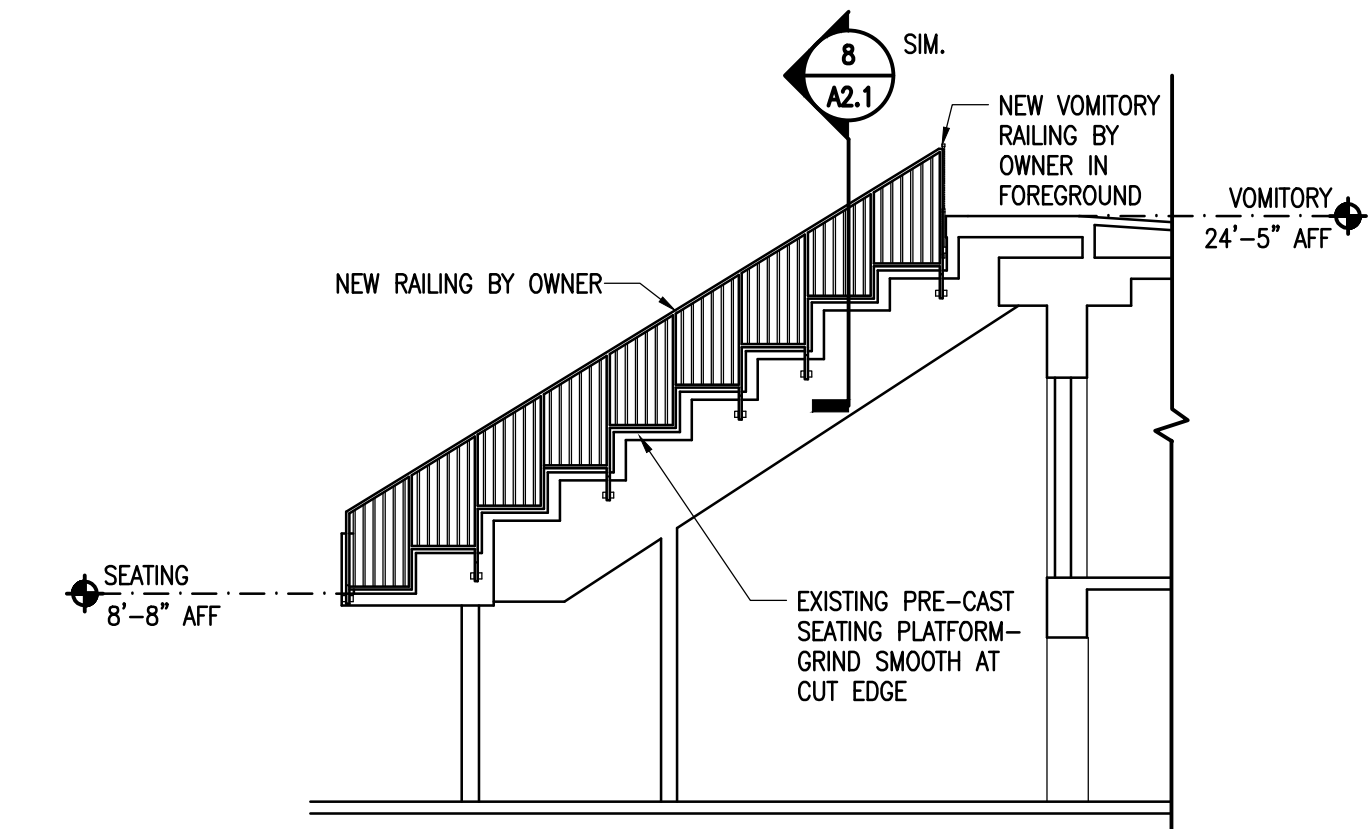
**5 @ STORAGE 103
PARTIAL BUILDING SECTION**
A2.1 SCALE: 1/8" = 1'-0"



**4 @ SEATING
PARTIAL BUILDING SECTION**
A2.1 SCALE: 1/8" = 1'-0"



**3 @ VOMITORIES
PARTIAL BUILDING SECTION**
A2.1 SCALE: 1/8" = 1'-0"



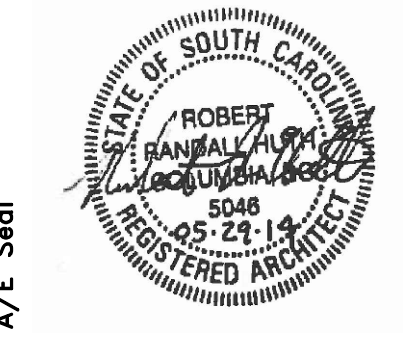
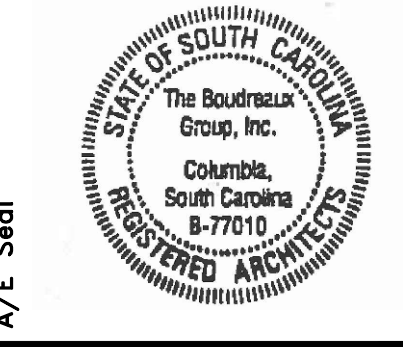
**6 @ SIDE RAILS
ELEVATION**
A2.1 SCALE: 1/8" = 1'-0"

ALTERNATE #1:
PAINT ALL NON-GLAZED CMU WALLS, CONCRETE BEAMS, CONCRETE COLUMNS AS WELL AS ALL MECHANICAL, PLUMBING & ELECTRICAL SYSTEMS AT NEWLY EXPOSED NORTH WALL.

NEW GUARDRAILS BY OWNER
CUT CONCRETE BEAMS - SEE STRUCTURAL. GROUT CUT EDGES & GRIND SMOOTH.
CAST IN PLACE CONCRETE BEAM TO REMAIN
EXISTING CMU BLOCK WALL
CAST IN PLACE CONCRETE BEAM
GLAZED CMU BLOCK - DO NOT PAINT

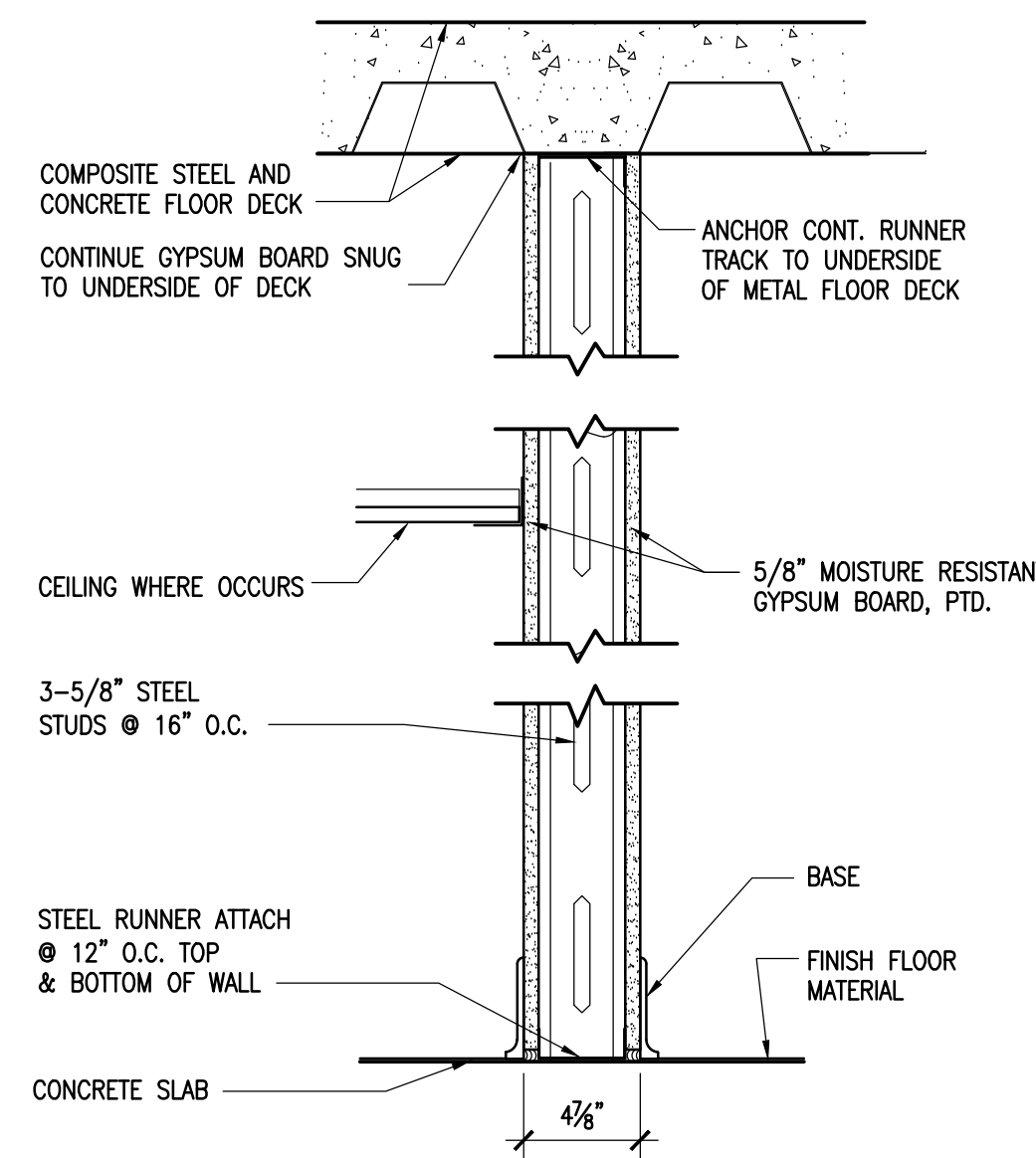
INFILL AREA @ REMOVED
DRINKING FOUNTAIN w/METAL STUDS & IMPACT GYP. BOARD. CAULK @ EDGES. PAINT IN BASE BID
NEW PAINTED IMPACT GYPSUM BOARD WALL- PAINT IN BASE BID
NEW 4" RUBBER BASE

FIELD VERIFY ALL DIMENSIONS

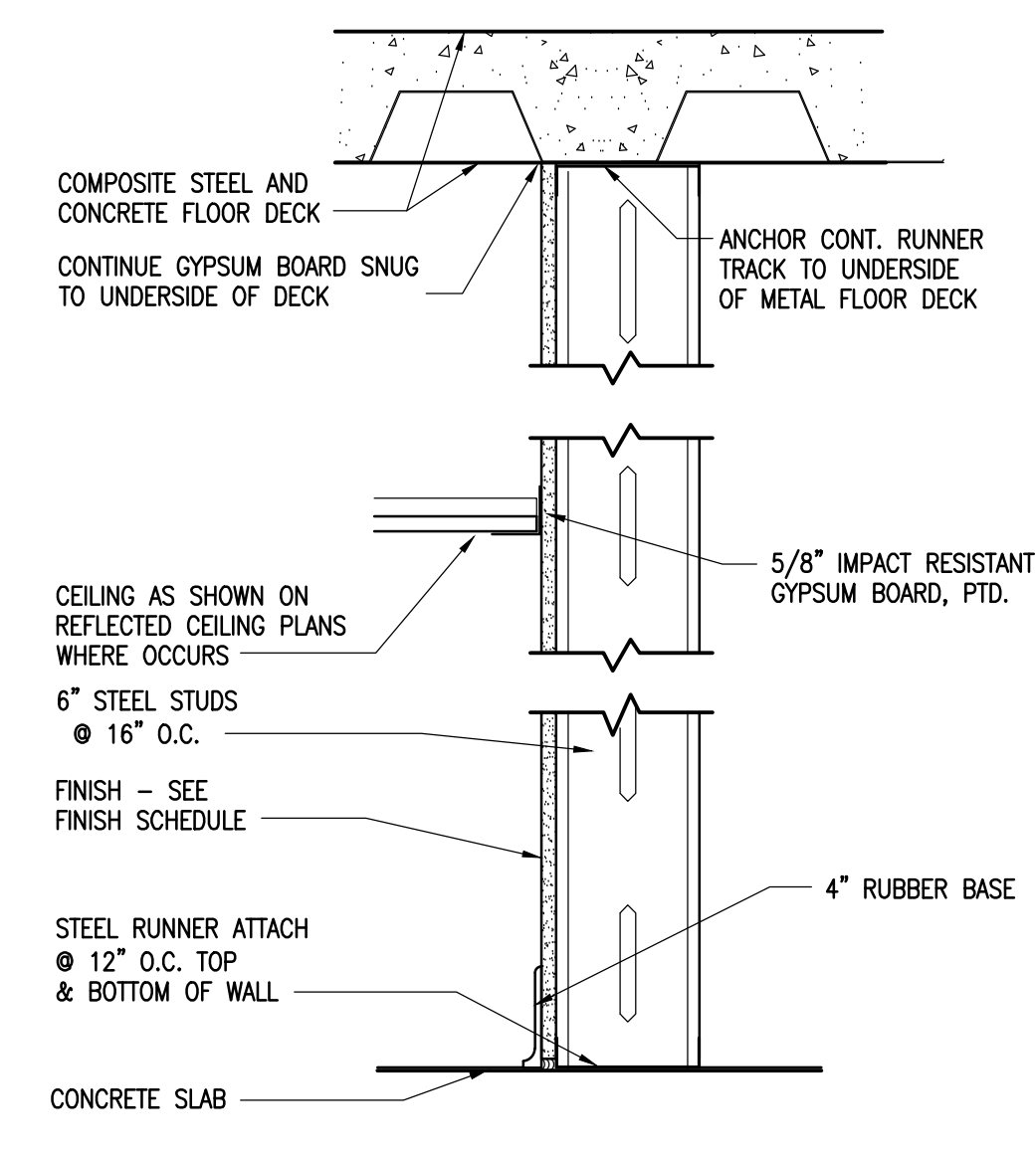


Project No.	Project Title	Drawn By	Checked By	Date
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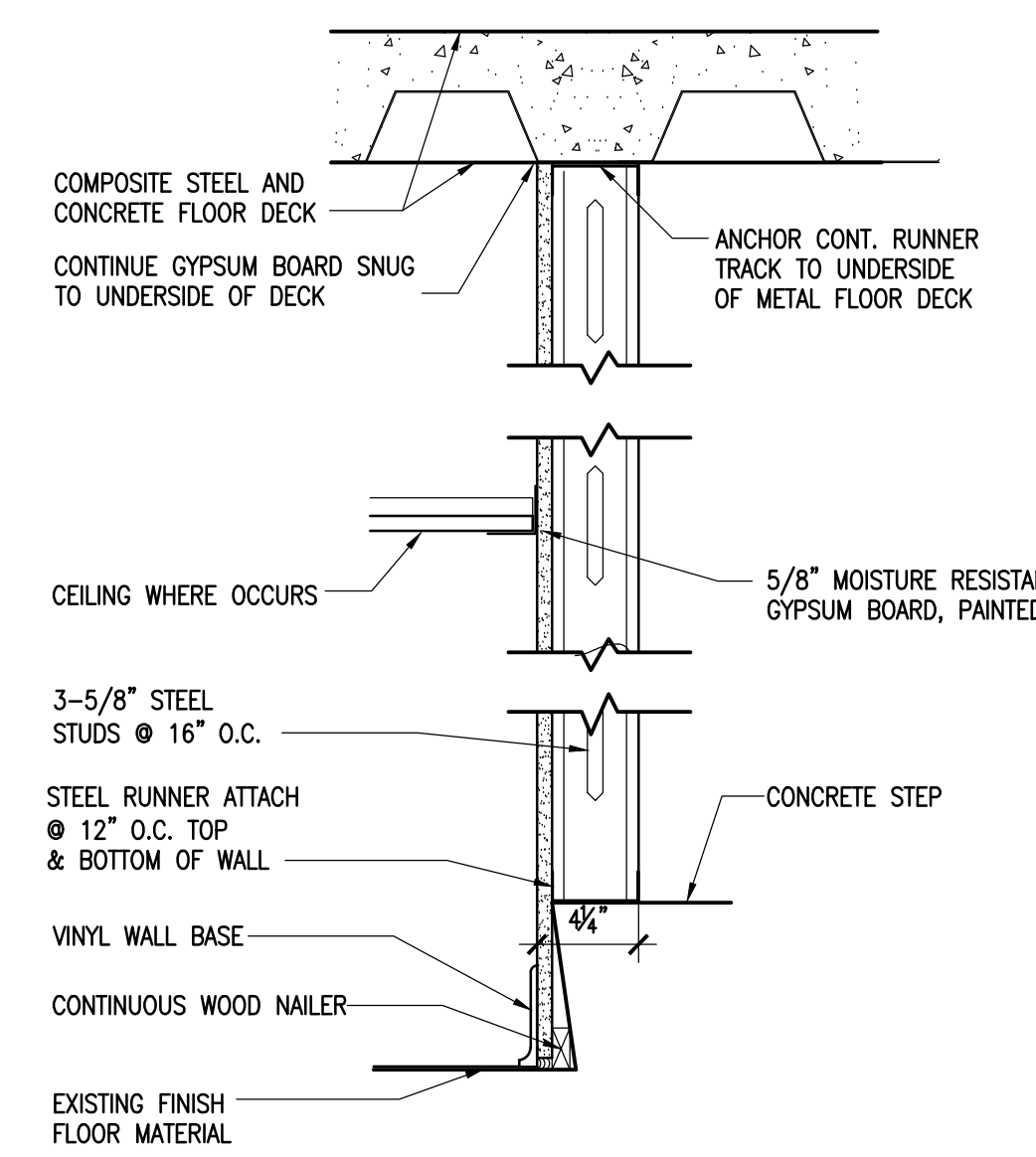
Revisions	No.	Name	Date



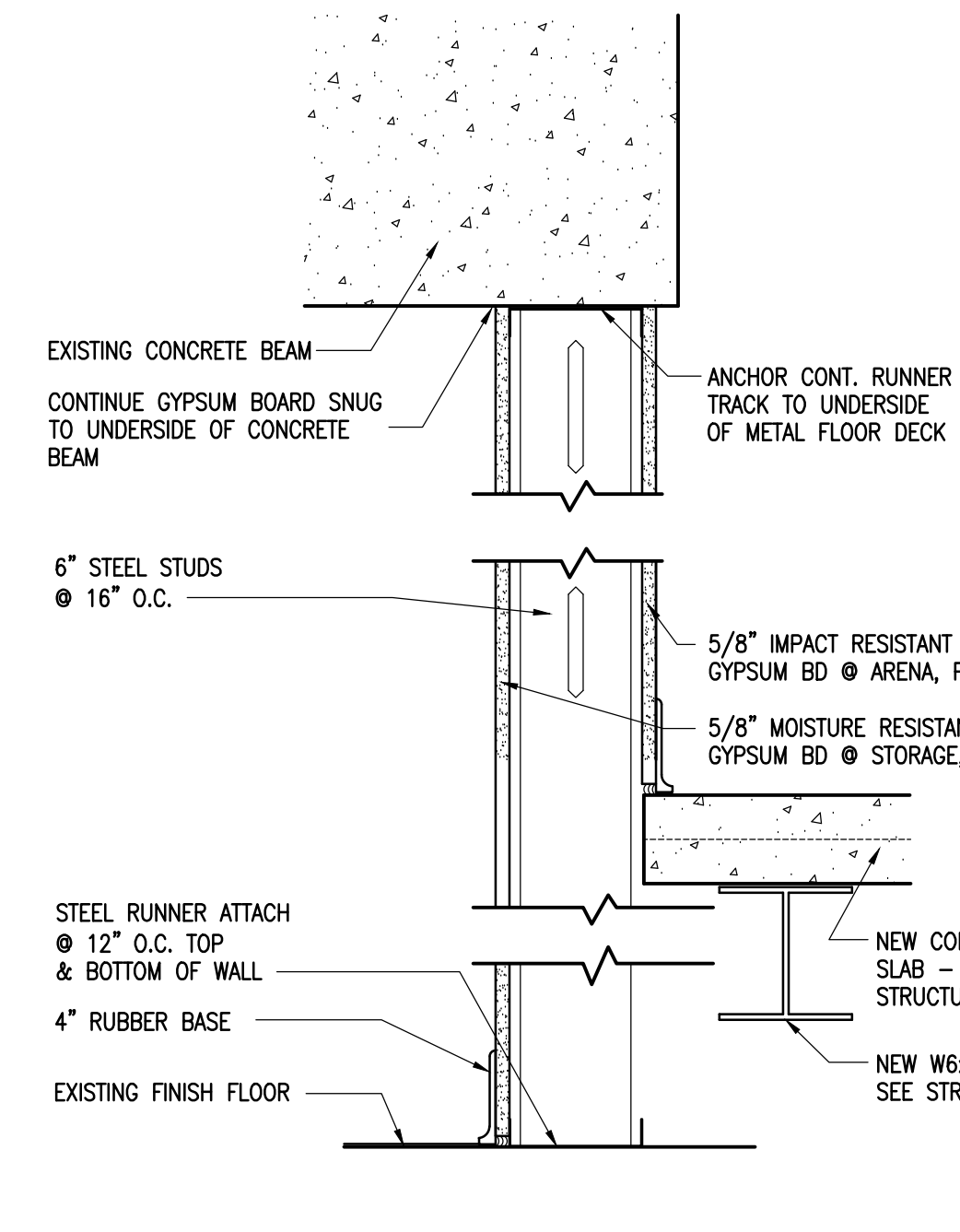
1 METAL STUD PARTITION
SCALE: 1 1/2" = 1'-0"



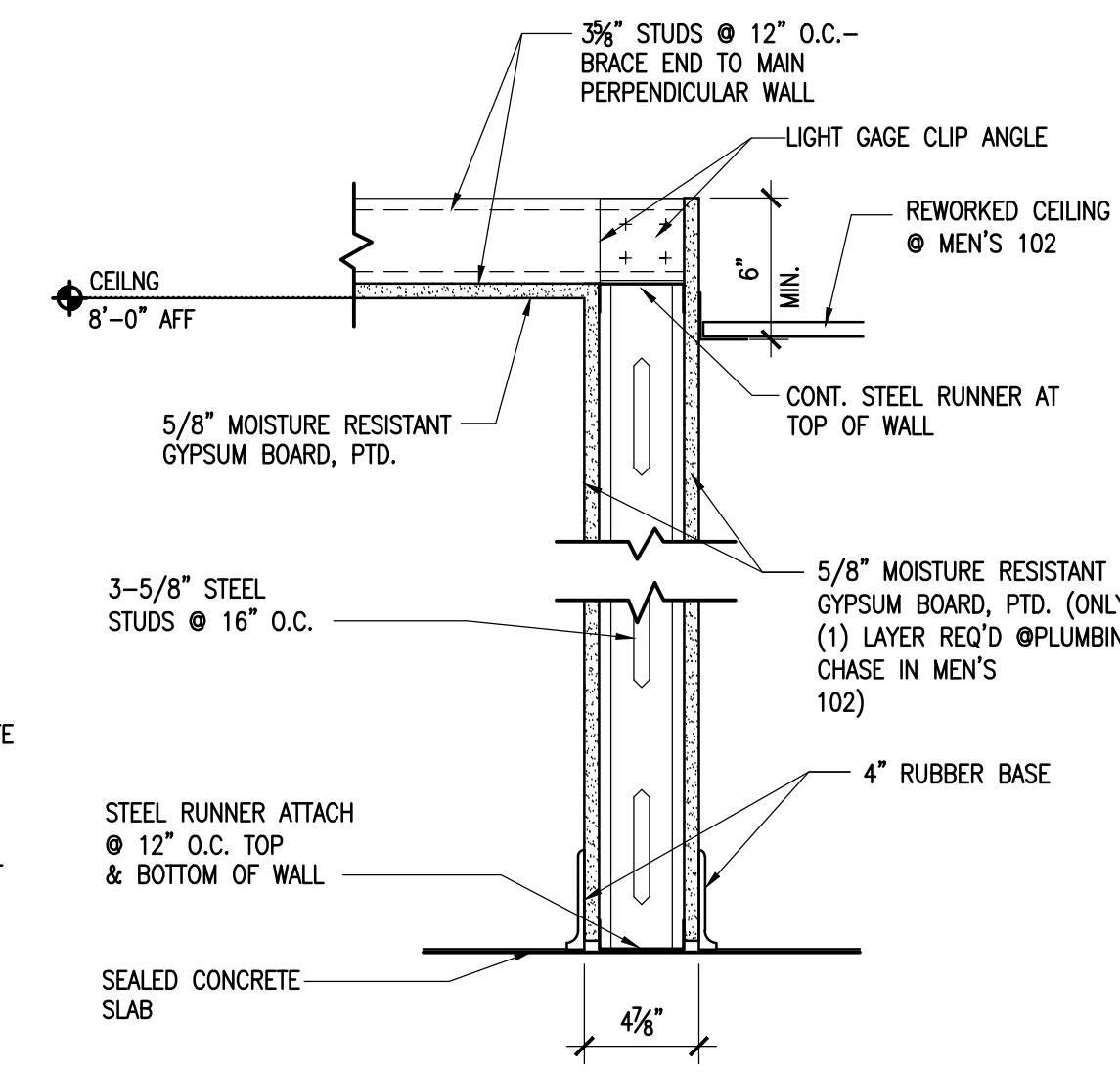
2 METAL STUD PARTITION
SCALE: 1 1/2" = 1'-0"



3 METAL STUD PARTITION
SCALE: 1 1/2" = 1'-0"



4 METAL STUD PARTITION
SCALE: 1 1/2" = 1'-0"

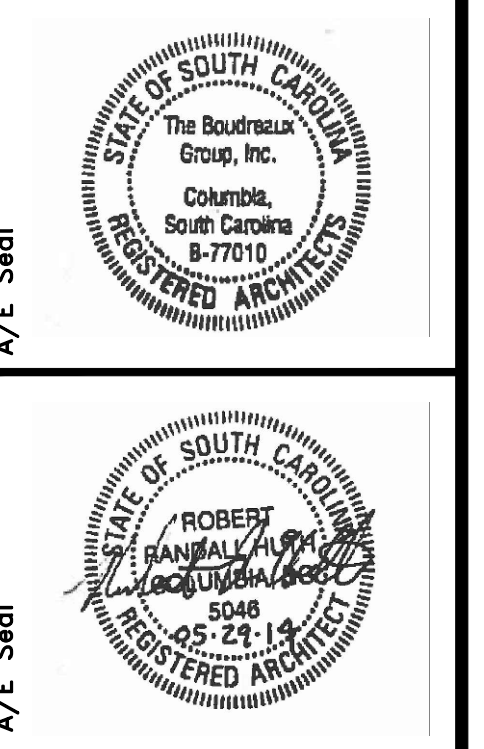


5 METAL STUD PARTITION
SCALE: 1 1/2" = 1'-0"

1 INTERIOR PARTITION TYPES
A31 SCALE: 1/8" = 1'-0"

The Boudreaux Group
The Boudreaux Group, Inc.
1320 Leahy St., Suite 200 (9900)
Columbia, SC 29209
803.779.0247 P.
803.779.0244 F.
www.theboudreauxgroup.com

Interdisciplinary Design Architecture Interiors Planning



**DEMOLITION/RENOVATIONS FOR COLISEUM
PROJECT FOR ARENA LEVEL
UNIVERSITY OF SOUTH CAROLINA
STATE PROJECT #H27-Z167
CONSTRUCTION DOCUMENTS
COLUMBIA, SOUTH CAROLINA**

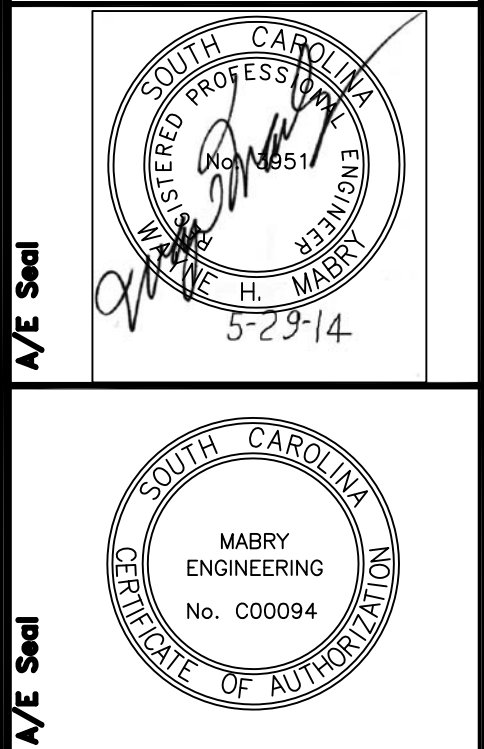
Project No.	Project Title	Date
12-787-14-1	DEMOLITION/RENOVATIONS FOR COLISEUM PROJECT FOR ARENA LEVEL UNIVERSITY OF SOUTH CAROLINA STATE PROJECT #H27-Z167 CONSTRUCTION DOCUMENTS COLUMBIA, SOUTH CAROLINA	05.29.14

INTERIOR PARTITION DETAILS

Drawing No. **A3.1**

Mabry Engineering, LLC
Structural
 840 Shull Street
 West Columbia, S.C. 29169
 OFFICE: (803) 926-0000
 FAX: (803) 926-7600

The Boudreaux Group
 The Boudreaux Group, Inc.
 P.O. Box 5056
 Columbia, SC 29909
 803 771 6844 /
 info@boudreaux.com
 Interdisciplinary Design Architecture Interior Finishing



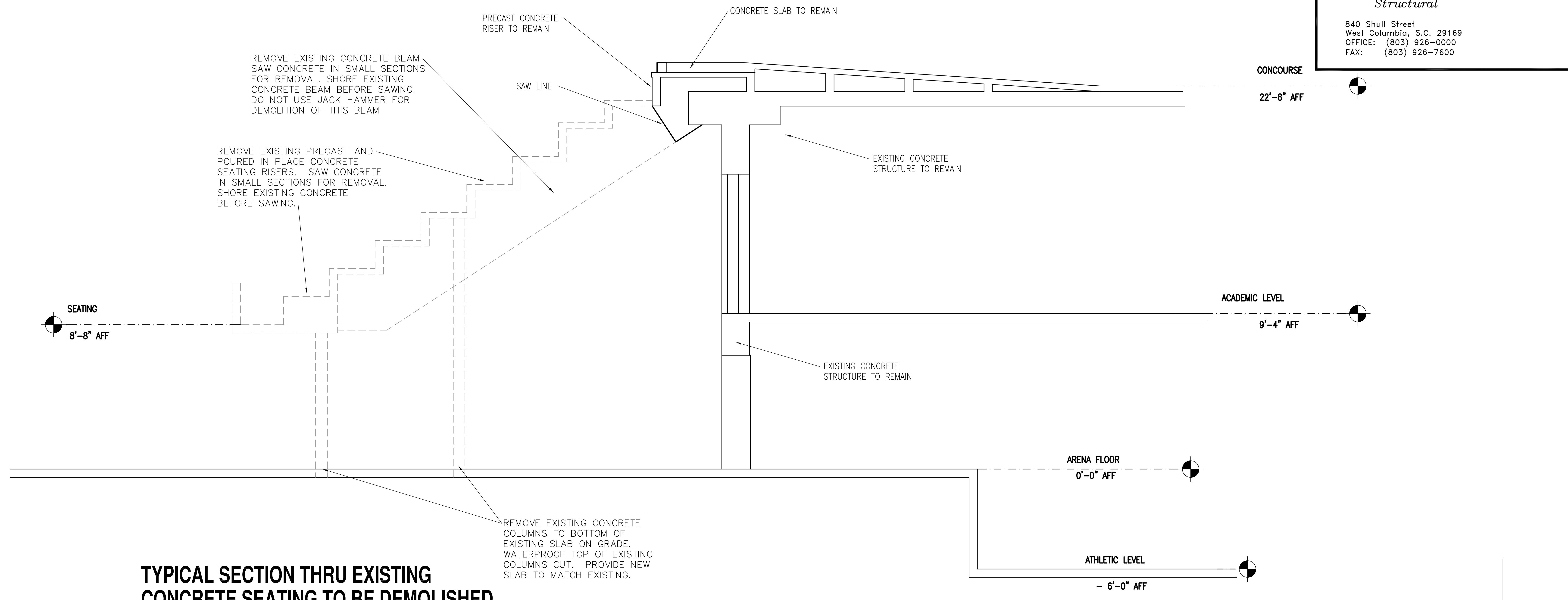
**DEMOLITION/RENOVATIONS FOR COLISEUM
 PROJECT FOR ARENA LEVEL
 UNIVERSITY OF SOUTH CAROLINA
 STATE PROJECT #127-2167
 CONSTRUCTION DOCUMENTS
 COLUMBIA, SOUTH CAROLINA**

Project No.	Drawn By	Checked By	Date
U-787-14-1			05.29.14

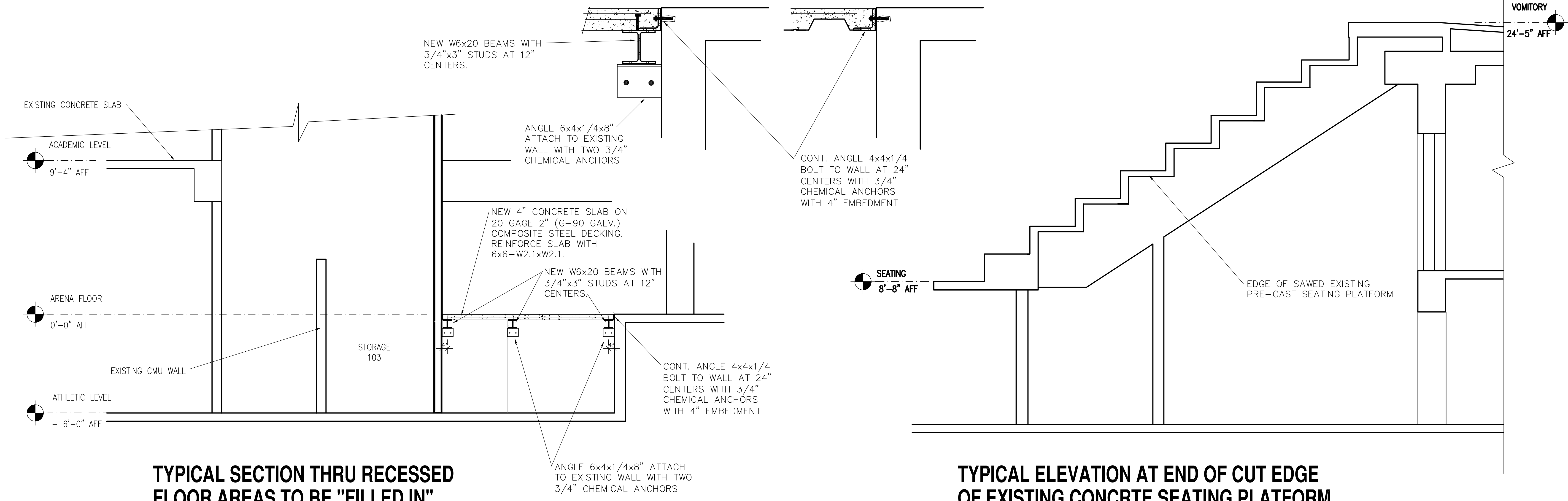
Revisions	No.	Name	Date

TYPICAL SECTIONS

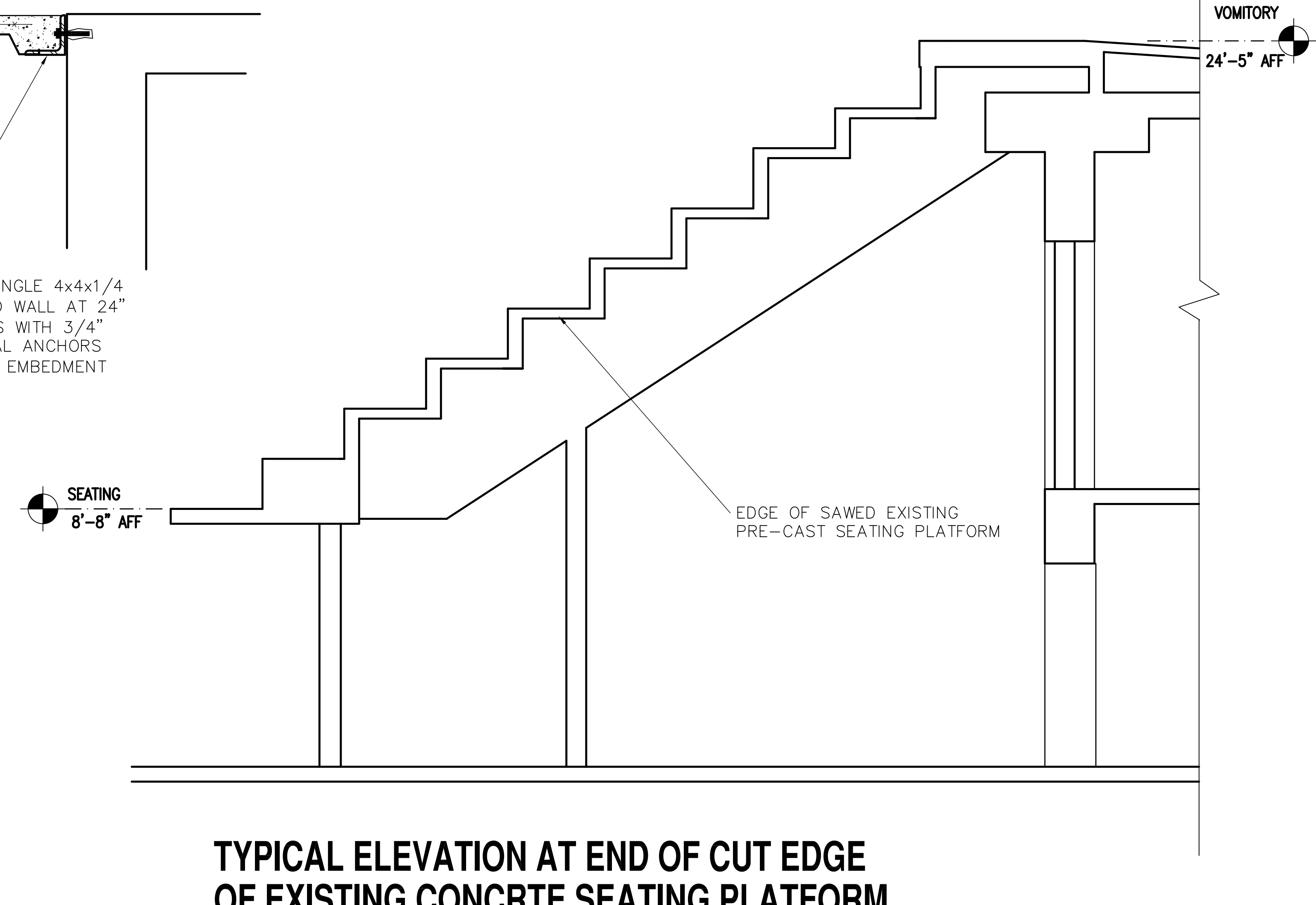
Drawing No. **S0.2**



TYPICAL SECTION THRU EXISTING CONCRETE SEATING TO BE DEMOLISHED
 SCALE: 3/8" = 1' - 0"

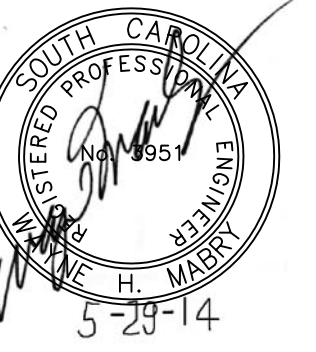


TYPICAL SECTION THRU RECESSED FLOOR AREAS TO BE "FILLED IN"
 SCALE: 3/8" = 1' - 0"



TYPICAL ELEVATION AT END OF CUT EDGE OF EXISTING CONCRETE SEATING PLATFORM
 SCALE: 3/8" = 1' - 0"

May 29, 2014 9:30am F:\BOUDREAU\USC 5-28-14 STR&arch\SO.2.5-29-14.dwg



DEMOLITION/RENOVATIONS FOR COLISEUM
PROJECT FOR ARENA LEVEL
UNIVERSITY OF SOUTH CAROLINA
STATE PROJECT #H27-Z167
CONSTRUCTION DOCUMENTS
COLUMBIA, SOUTH CAROLINA

Project Title
10-2017-11-1
Drawn By
Checked By
Date
03.29.14

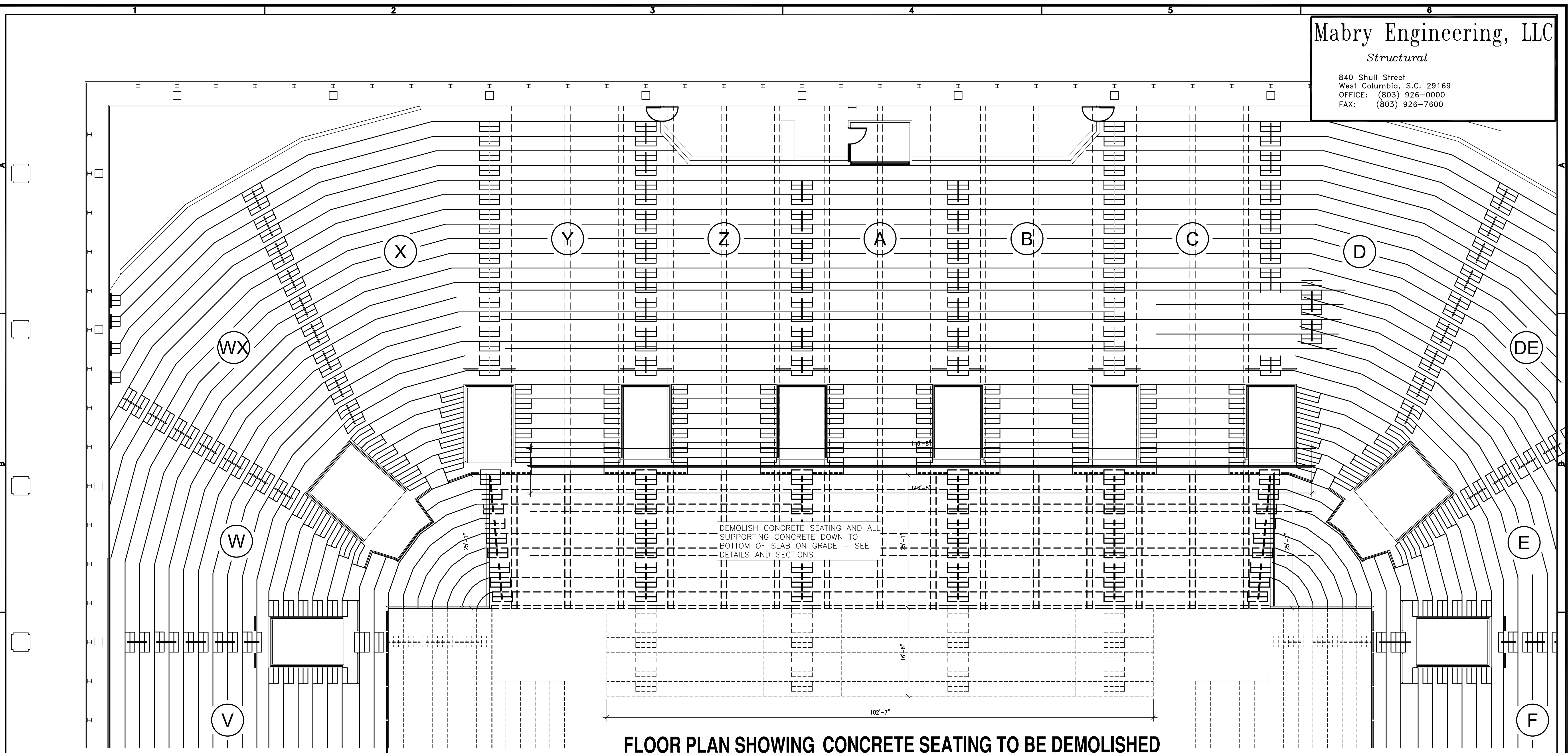
Revisions	No.	Name	Date

FLOOR PLANS

Drawing Title

Drawing No.

S1.1



FLOOR PLAN SHOWING CONCRETE SEATING TO BE DEMOLISHED

SCALE: 1/8" = 1' - 0"

GENERAL NOTES:

- CHECK WITH VARIOUS TRADES FOR SLEEVES, OPENINGS, CONDUITS, ETC. BEFORE POURING CONCRETE.
- PROVIDE AND INSTALL ALL PLATES, ANGLES, REINFORCING, ETC. EMBEDDED IN CAST-IN-PLACE CONCRETE.
- CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND ELEVATIONS BEFORE ANY FABRICATION HAS STARTED.
- PROVIDE AND INSTALL ALL TEMPORARY BRACING AS REQUIRED FOR SAFETY/STABILITY OF THE STRUCTURE UNTIL STRUCTURE IS COMPLETE.
- CONTRACTOR SHALL VISIT SITE TO BECOME THOROUGHLY FAMILIAR WITH ALL EXISTING CONDITIONS AND SHALL FIELD VERIFY ALL EXISTING DIMENSIONS, FRAMING CONDITIONS, AND CONNECTIONS BEFORE BEGINNING CONSTRUCTION OR ANY FABRICATION.
- WHERE DETAILS SHOWN ON STRUCTURAL DRAWINGS FOR ONE CONDITION, IT SHALL APPLY TO ALL SIMILAR OR LIKE CONDITIONS, UNLESS NOTED OR SHOWN OTHERWISE ON PLANS.
- COMPOSITE FLOOR MEMBERS ARE DESIGNED TO BE UNSHORED UNLESS OTHERWISE NOTED. THE WEIGHT OF THE WET CONCRETE WILL RESULT IN DEFLECTIONS OF AT LEAST THAT NOTED ABOVE AND AS NOTED IN THE DECK SPECIFICATIONS. OVERRUNS OF CONCRETE QUANTITIES ARE TO BE ANTICIPATED AND INCLUDED IN THE CONTRACTORS BID. CONTRACTOR SHALL COORDINATE EMBEDDED ITEMS SHOWN AT THE FLOOR SURFACE. CONCRETE FLOORS UTILIZING UNSHORED CONSTRUCTION SHALL BE SCREEDED LEVEL.
- REVIEW OF SUBMITTAL AND/OR SHOP DRAWINGS BY THE STRUCTURAL ENGINEER OF RECORD DOES NOT RELIEVE THE CONTRACTOR OF THE SOLE RESPONSIBILITY TO REVIEW AND CHECK SHOP DRAWINGS BEFORE SUBMITTAL TO THE STRUCTURAL ENGINEER OF RECORD. THE CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS, AND DIMENSIONS SPECIFIED IN THE CONTRACT DOCUMENTS. CONTRACTOR ALSO SHALL BE RESPONSIBLE FOR MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION. SEE SPECIFIC PROVISIONS IN THE CONTRACT DOCUMENTS DEALING WITH THE APPROPRIATE DESIGN RESPONSIBILITIES OF CONTRACTORS, SUBCONTRACTORS, AND SUPPLIERS.
- DRAWINGS INDICATE GENERAL ARRANGEMENT AND DIMENSIONS AND ARE, GENERALLY, DRAWN TO SCALE. HOWEVER, SCALE DIMENSIONS SHALL NOT BE USED. REFER TO THE ARCHITECT AND ENGINEER ANY INCONSISTENCIES FOUND.

REQUIRED SPECIAL INSPECTIONS
2012 IBC SECTION 1704:

REINFORCED CONCRETE

- CONTINUOUS INSPECTION IS REQUIRED:
 - SAMPLING FRESH CONCRETE & PERFORMING SLUMP, AIR CONTENT AND DETERMINING TEMPERATURE OF FRESH CONCRETE AT THE TIME OF MAKING SPECIMENS FOR STRENGTH TESTS SUCH AS, CONCRETE CYLINDERS, BEAMS, CORES, AND OR PANELS.
 - PRIOR TO AND DURING THE PLACEMENT OF BOLTS INSTALLED IN CONCRETE WHEN APPLICABLE, PER SECTION 1912.5 OF THE 2008 NCSBC
- PERIODIC INSPECTION IS REQUIRED:
 - AT THE START AND DURING EACH PHASE OF THE PROJECT TO ASCERTAIN PROPOSED CONFORMITY OF MATERIALS, PERSONNEL QUALIFICATIONS AS REQUIRED AND PROCEDURES WITH APPLICABLE CODES AND PLANS.
 - REINFORCEMENT PRIOR TO CLOSING OF FORMS OR THE DELIVERY OF CONCRETE TO THE PROJECT SITE.
 - AT FREQUENCIES NECESSARY TO CLEARLY CONFIRM PLACEMENT OF THE REINFORCEMENT BEFORE THEY ARE CONCEALED.
 - FOR VERIFICATION OF DELIVERED MIX DESIGN BEFORE ANY CONCRETE IS PLACED.

STRUCTURAL STEEL AND STEEL FLOOR DECK

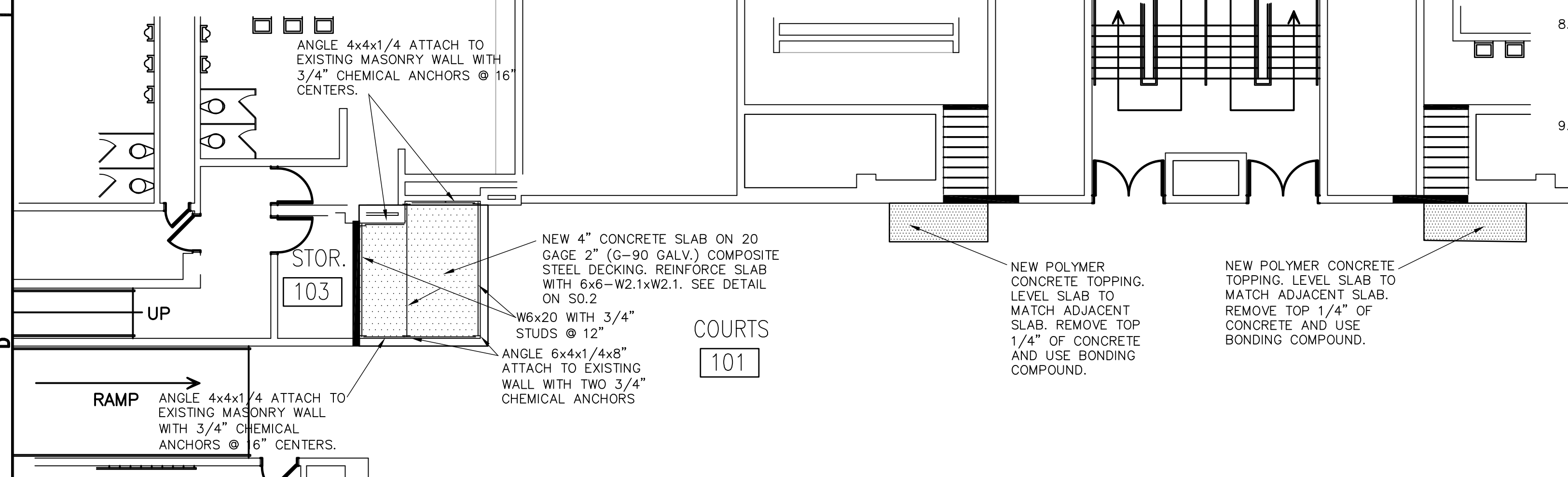
- PERIODIC INSPECTION IS REQUIRED:
 - ALL FIELD PERFORMED SINGLE FILLET WELDS LESS THAN 5/16"
 - AT THE START AND DURING EACH PHASE OF THE PROJECT TO ASCERTAIN PROPOSED CONFORMITY OF MATERIALS, PERSONNEL QUALIFICATION AS REQUIRED AND PROCEDURES WITH APPLICABLE CODES AND PLANS.
 - ALL FLOOR DECK ATTACHMENTS.
 - ALL FIELD BOLTED CONNECTIONS.

STEEL NOTES:

- STRUCTURAL STEEL:
 - STEEL SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS, UNLESS NOTED OTHERWISE ON PLANS:
 - ALL ROLLED ANGLES, CHANNELS, PLATES, BARS A-36(Fy=36ksi) ALL ROLLED W SHAPES, BEAMS, COLUMNS A-992(Fy=50ksi)
 - ALL BASE PLATES AND ANCHOR BOLTS (UNLESS NOTED OTHERWISE) A-36(Fy=36ksi)
 - STRUCTURAL STEEL PIPE A-53(Fy=35ksi)
 - STRUCTURAL STEEL TUBE A-500(Fy=48ksi)
 - BOLTED CONNECTIONS:
 - ALL CONNECTIONS (UNLESS NOTED OTHERWISE) SHALL BE MADE WITH 3/4" DIAMETER A-325X OR A-490X BOLTS.
 - OVERSIZE OR LONG SLOTTED HOLES ARE NOT ALLOWED UNLESS SHOWN ON STRUCTURAL PLANS.
 - THE SHOP DRAWINGS SHALL CLEARLY INDICATE THE TYPE OF BOLTS USED IN EACH CONNECTION AND THE ALLOWABLE VALUES USED FOR THE VARIOUS BOLT TYPES.
 - THE FOLLOWING MINIMUM STANDARDS APPLY:
 - MINIMUM PLATE THICKNESS = 3/8"
 - MINIMUM BOLT DIAMETER = 3/4"
 - MINIMUM WELD = 3/16" THICK THROAT
 - WELDED CONNECTIONS:
 - ALL SHOP AND FIELD WELDING SHALL CONFORM TO ASW STRUCTURAL WELDING CODE-STEEL, ANSI/AWS - D1.1
 - MINIMUM WELD = 3/16" THICK THROAT
 - SPLICES OF STRUCTURAL STEEL WHERE NOT DETAILED IS PROHIBITED WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER.
- COMPOSITE METAL DECK AND SLAB:
 - ALL COMPOSITE DECK SHALL BE 2" DEEP 20 GAGE TYPE "CFD-2" - GALVANIZED - 990 AS MANUFACTURED BY CONSOLIDATED SYSTEMS INC. OR APPROVED EQUAL. THIS METAL DECK IS THE MINIMUM REQUIRED FOR UNSHORED CONSTRUCTION MORE.
 - THE DECK GAGE AND DEPTH HAVE BEEN SELECTED BASED ON THE WET WEIGHT OF CONCRETE AND THE FINAL DESIGN LOADS ONLY. CONSTRUCTION MATERIAL MAY NOT BE PLACED ON THE BARE METAL DECK.
 - THE FINAL SLAB THICKNESS SHALL BE NO LESS THAN CALLED FOR ON THE PLANS.
- COMPOSITE FLOOR MEMBERS ARE DESIGNED TO BE UNSHORED UNLESS OTHERWISE NOTED. THE WEIGHT OF THE WET CONCRETE WILL RESULT IN DEFLECTIONS OVERRUNS OF CONCRETE QUANTITIES ARE TO BE ANTICIPATED AND INCLUDED IN THE CONTRACTORS BID. CONTRACTOR SHALL COORDINATE EMBEDDED ITEMS SHOWN AT THE FLOOR SURFACE. CONCRETE FLOORS UTILIZING UN-SHORED CONSTRUCTION SHALL BE SCREEDED LEVEL.

CONCRETE NOTES:

- CAST-IN-PLACE CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS:
 - NORMAL WEIGHT (150 PCF) 4000 PSI FOR ALL CONCRETE AND PAVEMENTS.
- ALL REINFORCING BARS TO HAVE A MINIMUM YIELD STRENGTH OF 60,000 PSI.
- CONCRETE FORMWORK:
 - ALL FORMWORK SHALL BE DESIGNED, ERECTED, SUPPORTED, BRACED, AND MAINTAINED ACCORDING TO ACI STANDARD 347 RECOMMENDED PRACTICE FOR CONCRETE FORMWORK.
 - TOLERANCE: UNLESS SPECIFIED OTHERWISE, ALL TOLERANCES FOR CONCRETE FORMWORK SHALL CONFORM TO ACI STANDARD 17, STANDARD TOLERANCE FOR CONCRETE CONSTRUCTION AND MATERIALS.
- ALL PERMANENTLY VISIBLE EDGES OF CONCRETE SHALL HAVE A 3/4" CONTINUOUS CHAMFER. THIS INCLUDES ALL SLABS, BEAMS, COLUMNS, AND WALLS.
- ALL REINFORCING SPLICES SHALL HAVE A MINIMUM LAP OF 60 BAR DIAMETERS UNLESS NOTED OR SPECIFIED OTHERWISE.



FLOOR PLAN SHOWING NEW FRAMED SLAB AND REPAIR

SCALE: 1/8" = 1' - 0"

AIR DISTRIBUTION SCHEDULE									
TAG	DESCRIPTION	MANUFACTURER	MODEL	FRAME	CFM	NECK SIZE	FACE SIZE	MAX NC	REMARKS
(A)	EXHAUST GRILLE	PRICE*	APDDR	SURFACE	100	10"x10"	12"x12"	30	1,2,3

- PROVIDE WITH STANDARD WHITE FINISH.
- PROVIDE ALUMINUM OR ALUMINIZED STEEL CONSTRUCTION.
- PROVIDE WITH OPPOSED BLADE DAMPER.
- PROVIDE PRICE OR APPROVED EQUAL BY METALAIR, TITUS, OR NAILOR.

- ### GENERAL NOTES
- VISIT SITE PRIOR TO BIDDING. THIS CONTRACTOR SHALL DETERMINE DIFFICULTY OF INSTALLATION AND REFLECT THIS IN HIS BIDDING.
 - DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL DRAWINGS AND REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF DOORS, WINDOWS, AIR DISTRIBUTION, ETC. THIS CONTRACTOR SHALL VERIFY ALL EXISTING ITEMS AND LOCATIONS IN THE FIELD.
 - ALL DUCTWORK LOCATIONS SHALL BE COORDINATED WITH WORK PERFORMED BY OTHER TRADES TO AVOID INTERFERENCE.
 - THIS CONTRACTOR SHALL PROVIDE ALL ITEMS OF MISCELLANEOUS STEEL AS REQUIRED FOR INSTALLATION OF ALL MECHANICAL ITEMS.
 - THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ANY NECESSARY DISMANTLING OF EQUIPMENT TO BE REMOVED.
 - ITEMS REMOVED UNDER THIS CONTRACT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF PROPERLY.

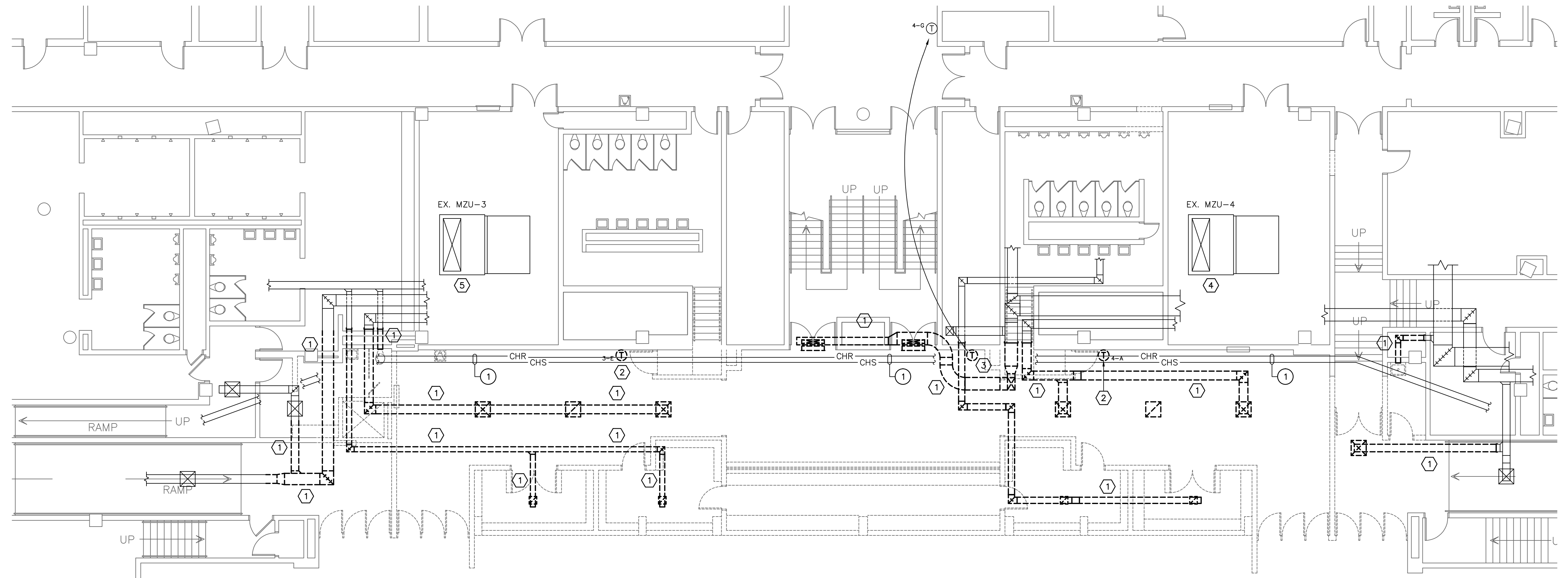
LEGEND

SYMBOL	DESCRIPTION
← CHS →	EX. CHILLED WATER SUPPLY LINE
← CHR →	EX. CHILLED WATER RETURN LINE
(A)100	TYPE "A" DIFFUSER, 100 CFM
⊙	ZONE SENSOR
▭	RECTANGULAR SUPPLY DUCTWORK
▭	RETURN, EXHAUST, FRESH AIR DUCTWORK
48x24	48"x24" RECTANGULAR DUCT
⊕	CONNECTION POINT OF NEW TO EXISTING

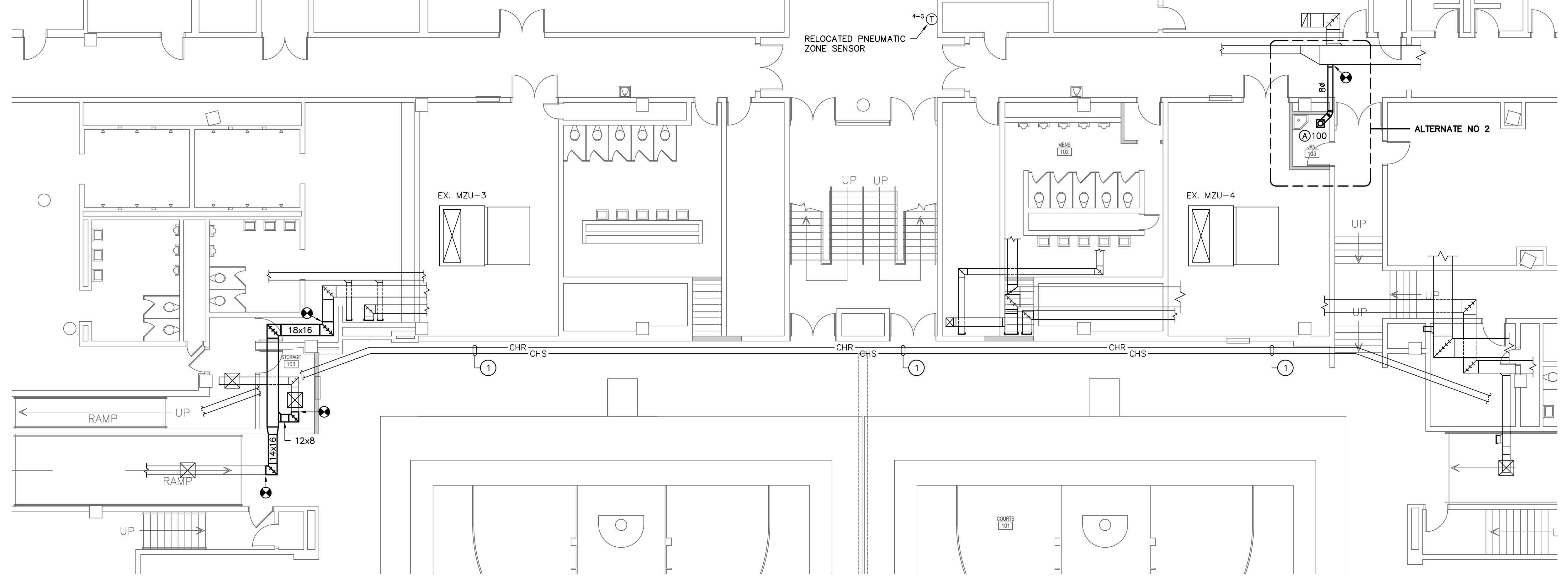
- ### DEMOLITION NOTES
- EXISTING DUCTWORK AND ASSOCIATED GRILLES TO BE REMOVED COMPLETELY. CAP DUCT AS INDICATED.
 - REMOVE WALL MOUNTED ZONE SENSOR AND INSTALL STAINLESS STEEL BLANK PLATE. CAP PNEUMATIC TUBING IN WALL.
 - RELOCATE WALL MOUNTED ZONE SENSOR AS INDICATED AND INSTALL STAINLESS STEEL BLANK PLATE AT EXISTING LOCATION. MODIFY PNEUMATIC TUBING AS REQUIRED TO MAINTAIN OPERABLE SYSTEM.
 - AT EX. MZU-4 REMOVE ZONE 4-A FROM SERVICE.
 - AT EX. MZU-3 REMOVE ZONE 3-E FROM SERVICE.

- ### NOTES TO SHEET
- EXISTING CHILLED WATER SUPPLY AND RETURN LINES (SUPPORTED FROM ADJACENT WALL) TO REMAIN.

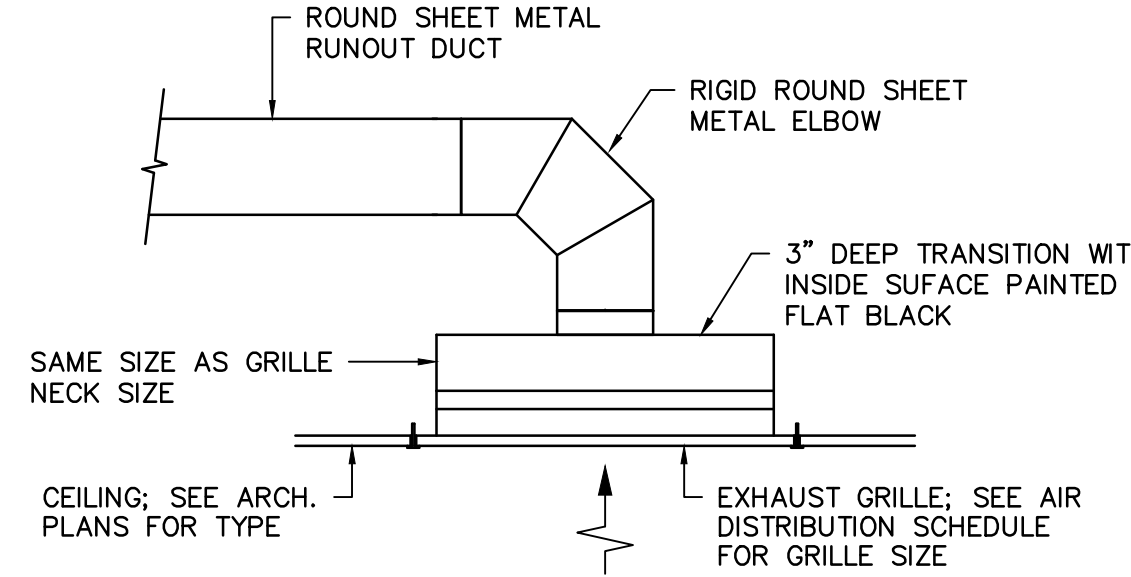
- ### SPECIFICATIONS
- ALL WORK SHALL BE IN ACCORDANCE WITH THE 2012 INTERNATIONAL MECHANICAL CODE, SMACNA, AND ASHRAE STANDARDS. ALL LOCAL CODES OR REQUIREMENTS STILL APPLY.
 - ALL RECTANGULAR DUCT SHALL BE TYPE G-60 GALVANIZED SHEET METAL, SEALED WITH LOW PRESSURE DUCT MASTIC. ROUND DUCTS SHALL BE GALVANIZED SHEET METAL SEALED WITH LOW PRESSURE DUCT MASTIC. LOCKING QUADRANT BALANCING DAMPERS SHALL BE INSTALLED IN EACH BRANCH TAKEOFF AT THE MAIN TRUNK DUCT.
 - RETURN AND SUPPLY DUCTS SHALL BE LINED WITH 1" THICK, 1 1/2# DENSITY DUCT LINER. DUCT LINER SHALL BE TREATED WITH A BIOCIDIC COATING TO PREVENT MICROBIAL GROWTH. DUCT LINER SHALL BE ADHERED TO THE DUCT WITH DUCT LINER GLUE AND WELDED PINS AT 12" MAXIMUM SPACING.
 - CONNECT PNEUMATIC CONTROLS TO EXISTING PNEUMATIC SUPPLY USING POLYETHYLENE FRIGATED TUBING. TUBING SHALL BE CONCEALED WITHIN WALL WHERE POSSIBLE. CAP PNEUMATIC LINES DURING CONSTRUCTION AS REQUIRED TO MAINTAIN AN OPERABLE SYSTEM.
 - ALL EQUIPMENT, PRODUCTS AND WORK SHALL BE GUARANTEED TO BE FREE OF DEFECTS IN MANUFACTURE AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION. ALL REPAIRS WILL BE MADE AT NO COST TO THE OWNER.



1 DEMOLITION PLAN - LEVEL 1
SCALE: 1/8" = 1'-0"



2 FLOOR PLAN - LEVEL 1
SCALE: 1/8" = 1'-0"

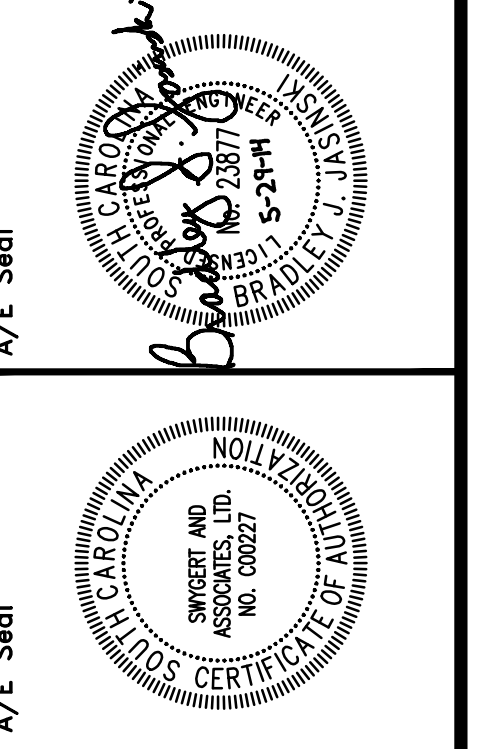


EXHAUST GRILLE DETAIL
NO SCALE

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CONSULTING ENGINEERS
DBA Swygert & Assoc., Ltd. Telephone: (803) 791-9300
Post Office Box 11886 Faxline: (803) 791-0830
Columbia, S.C. 29211 mail@swygert-associates.com

The Boudreaux Group
1330 Leahy St., Suite 900 (9900)
Columbia, SC 29209
803 799 0247 P
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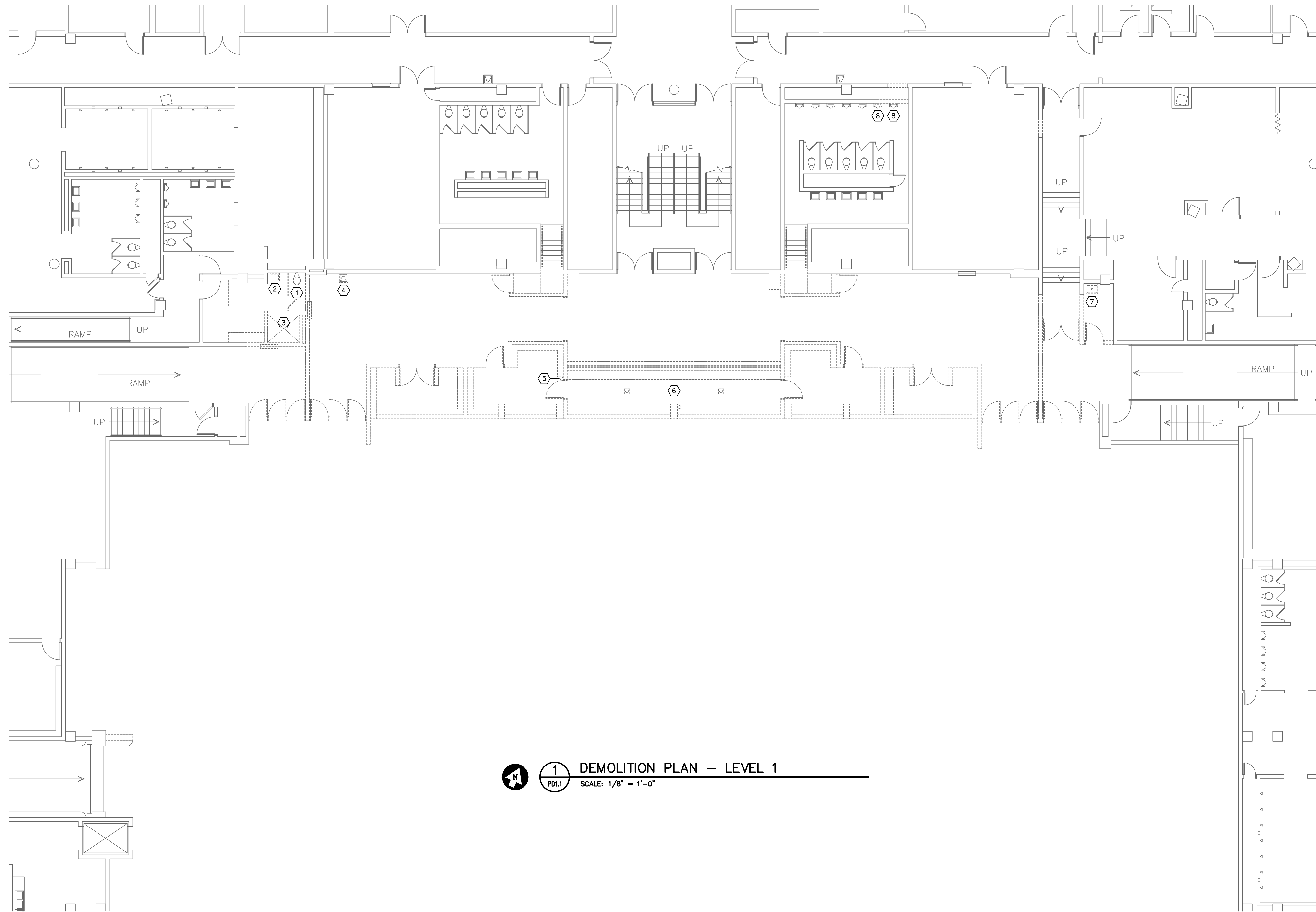
DEMOLITION/RENOVATIONS FOR COLISEUM
PROJECT FOR ARENA LEVEL
UNIVERSITY OF SOUTH CAROLINA
STATE PROJECT #H27-Z167
CONSTRUCTION DOCUMENTS
COLUMBIA, SOUTH CAROLINA

Project Title
Project No. U-787-14-1
Date 05.29.14
Drawn By JCK
Checked By BUJ

Revisions	No.	Name	Date

FLOOR PLANS
COLISEUM - LEVEL 1, DETAIL,
NOTES, SCHEDULE, AND
LEGEND

Drawing No.
M1.1



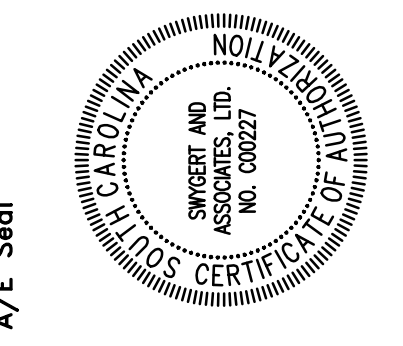
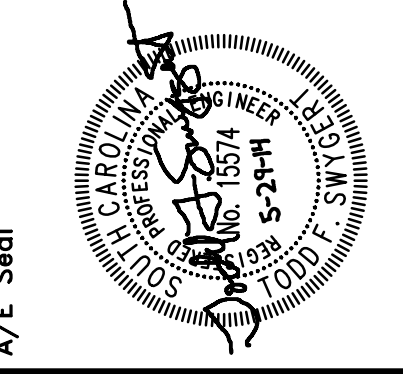
- DEMOLITION NOTES**
- ① EXISTING WALL HUNG WATER CLOSET, FLUSH VALVE, AND CHAIR CARRIER TO BE REMOVED COMPLETELY. EXISTING WASTE, VENT, AND SUPPLY PIPING TO BE CAPPED IN WALL OR ABOVE CEILING AS REQUIRED.
 - ② EXISTING WALL HUNG LAVATORY TO BE REMOVED COMPLETELY. EXISTING WASTE, VENT, AND SUPPLY PIPING TO BE CAPPED IN WALL OR ABOVE CEILING AS REQUIRED.
 - ③ EXISTING SHOWER VALVE AND FLOOR DRAIN TO BE REMOVED COMPLETELY. EXISTING WASTE, VENT, AND SUPPLY PIPING TO BE CAPPED ABOVE CEILING OR BELOW SLAB AS REQUIRED.
 - ④ EXISTING DRINKING FOUNTAIN TO BE REMOVED COMPLETELY. EXISTING WASTE AND SUPPLY PIPING TO BE CAPPED IN WALL AS REQUIRED.
 - ⑤ EXISTING MISCELLANEOUS COPPER LINE IN THIS SPACE TO BE REMOVED COMPLETELY. CAP AS REQUIRED.
 - ⑥ EXISTING MISCELLANEOUS PIPING AND FLOOR DRAINS (2) IN THIS SPACE TO BE REMOVED COMPLETELY. CAP AS REQUIRED.
 - ⑦ EXISTING WALL MOUNTED SERVICE SINK TO BE REMOVED COMPLETELY. CAP EXISTING WASTE, VENT, AND SUPPLY PIPING ABOVE CEILING, IN WALL, OR BELOW SLAB AS REQUIRED.
 - ⑧ EXISTING WALL MOUNTED URINAL, FLUSH VALVE, AND CHAIR CARRIER TO BE REMOVED COMPLETELY. CAP EXISTING WASTE, VENT, AND SUPPLY PIPING IN CHASE AS REQUIRED.

1 DEMOLITION PLAN - LEVEL 1
 PD1.1 SCALE: 1/8" = 1'-0"

The Boudreaux Group

The Boudreaux Group, Inc.
 1320 Lantana St., Suite 900 (9900)
 Columbia, SC 29209
 803.799.0247 F.
 www.boudreauxgroup.com

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**DEMOLITION/RENOVATIONS FOR COLISEUM
 PROJECT FOR ARENA LEVEL
 UNIVERSITY OF SOUTH CAROLINA
 STATE PROJECT #H27-Z167
 CONSTRUCTION DOCUMENTS
 COLUMBIA, SOUTH CAROLINA**

Project No.	Date	Drawn By	Checked By	Title
U-787-14-1	05.29.14	JTS	JTS	DEMOLITION PLAN - LEVEL 1

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DEMOLITION PLAN
COLISEUM - LEVEL 1

Swygert & Associates
 CONSULTING ENGINEERS
DBA Swygert & Assoc., Ltd. Telephone: (803) 791-9300
 Post Office Box 11686 Faxline: (803) 791-0630
 Columbia, S.C. 29211 mail@swygert-associates.com

PD1.1

N: \PROJECTS\4255 DRAWINGS\PLUM\14255-PD1.1.dwg

PLUMBING FIXTURE SCHEDULE								
P. NO.	FIXTURE	MFR.	NAME	MFRS. NO.	MIN. SUPPLY		REMARKS	
					CW	HW		
P-1	JANITOR'S SINK	STERN WILLIAMS	HILOW	HL-1800-BP	24"x24"	1/2"	1/2"	WITH SPEAKMAN MODEL SC-5811-RGP FAUCET, STAINLESS STEEL GRID DRAIN, AND STAINLESS STEEL BACK PANELS.

- NOTES TO SHEET**
- EXTEND INTO CHASE AND CONNECT TO EXISTING VENT PIPING.
 - CONNECT TO EXISTING 4" SANITARY SEWER LINE AT THIS APPROXIMATE LOCATION.
 - CONNECT TO EXISTING DOMESTIC COLD WATER LINE AT THIS APPROXIMATE LOCATION.
 - CONNECT TO EXISTING DOMESTIC HOT WATER LINE AT THIS APPROXIMATE LOCATION.

- GENERAL NOTES**
- ALL WORK SHALL BE PERFORMED ACCORDING TO ALL LOCAL, STATE, NATIONAL CODES, AND THE 2012 INTERNATIONAL PLUMBING CODE.
 - THIS CONTRACTOR SHALL, PRIOR TO BIDDING, VISIT SITE AND DETERMINE SCOPE OF WORK AND POINTS OF CONNECTION FOR NEW WORK.
 - DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR EXACT DIMENSIONS, FIXTURE LOCATIONS, ETC.
 - EXCEPT WHERE PIPE SPACE IS PROVIDED OR UNLESS NOTED OTHERWISE, ALL SUPPLY, WASTE AND VENT RISERS SHALL BE RUN IN WALLS AND PARTITIONS.
 - ALL PIPING INSULATION SHALL BE RUN CONTINUOUSLY.
 - EXISTING FLOOR SLAB SHALL BE "SAW-CUT" FOR INSTALLATION OF NEW SEWER LINES. THIS CONTRACTOR SHALL PATCH AND FILL FOR CONCRETE FINISH BY OTHERS.
 - CONTRACTOR SHALL DRAIN EXISTING SYSTEM AS REQUIRED FOR INSTALLATION. COORDINATE ANY REQUIRED SHUTDOWN OF SYSTEM SHALL BE DONE IN ACCORDANCE WITH OWNER'S SCHEDULE AND APPROVED BY OWNER.

SPECIFICATIONS

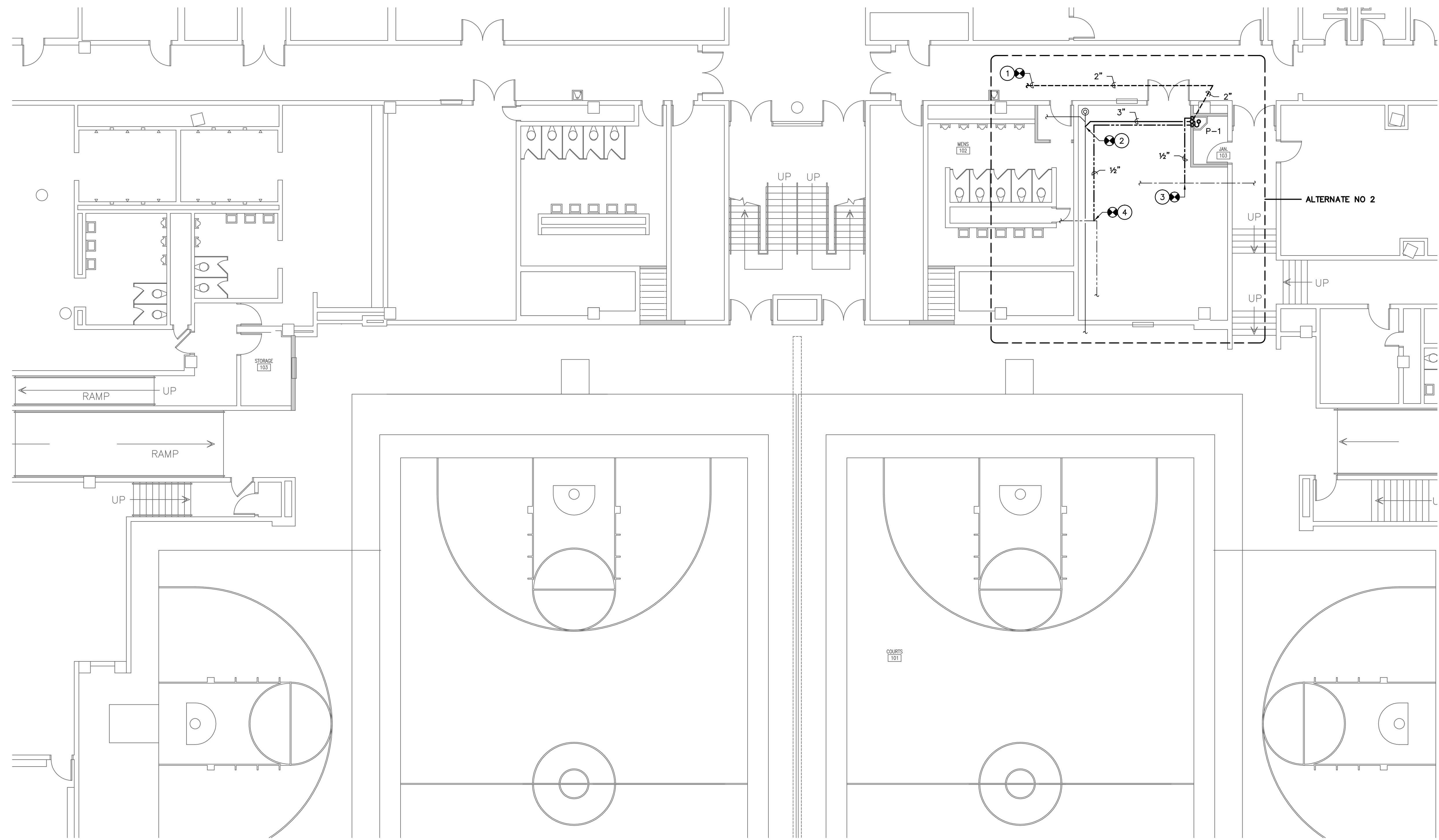
WASTE AND VENT PIPING:
 ALL BELOW GRADE WASTE PIPING SHALL BE STANDARD WEIGHT BELL AND SPIGOT CAST IRON. ALL JOINTS SHALL BE MADE BY USING NEOPRENE GASKETS BY CHARLOTTE, OR APPROVED EQUAL.

ALL WASTE AND VENT PIPING ABOVE SLAB SHALL BE STANDARD WEIGHT HUBLESS CAST IRON WITH HEAVY DUTY CLAMPS BY HUSKY OR MISSION.

SUPPLY PIPING:
 ALL SUPPLY PIPING SHALL BE TYPE L COPPER WITH LEAD FREE JOINTS. INSULATE ALL SUPPLY PIPING WITH 1" THICK FIBERGLASS INSULATION WITH ALL SERVICE JACKET.

LEGEND

SYMBOL	DESCRIPTION
	SANITARY WASTE LINE
	SANITARY VENT LINE
	DOMESTIC COLD WATER LINE
	DOMESTIC HOT WATER LINE
	PIPE TURNS TO, AWAY
	CONNECTION POINT OF NEW TO EXISTING



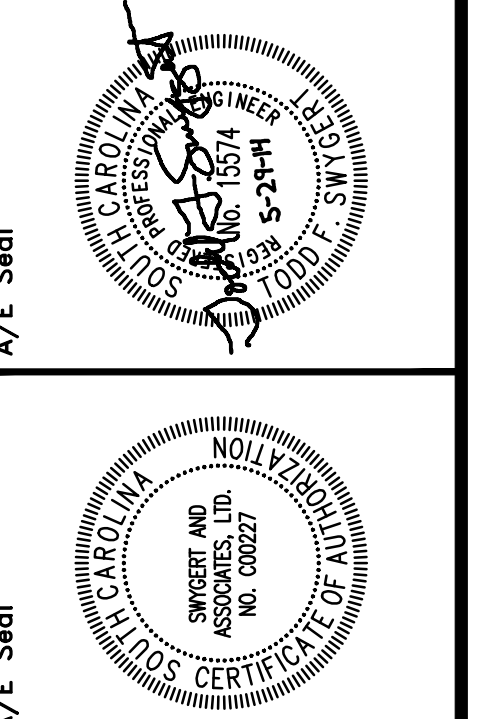
1 FLOOR PLAN - LEVEL 1
 SCALE: 1/8" = 1'-0"

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 CONSULTING ENGINEERS

DBA Swygert & Assoc., Ltd. Telephone: (803) 791-9300
 Post Office Box 11686 Columbia, S.C. 29211 Fax: (803) 791-0630
 Email: swygert@swygert-associates.com

The Boudreaux Group
 The Boudreaux Group, Inc.
 1320 July St., Suite 900 (9900)
 Columbia, SC 29209
 803.799.0247 P.
 803.777.0844 F.
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Interdisciplinary Design Architecture Interiors Planning



Project Title
 DEMOLITION/RENOVATIONS FOR COLISEUM
 PROJECT FOR ARENA LEVEL
 UNIVERSITY OF SOUTH CAROLINA
 STATE PROJECT #H27-Z167

CONSTRUCTION DOCUMENTS
 COLUMBIA, SOUTH CAROLINA

Revisions

No.	Name	Date

Project No. LU-787-14-1
Date 05.29.14
Drawn By DEK
Checked By TFS

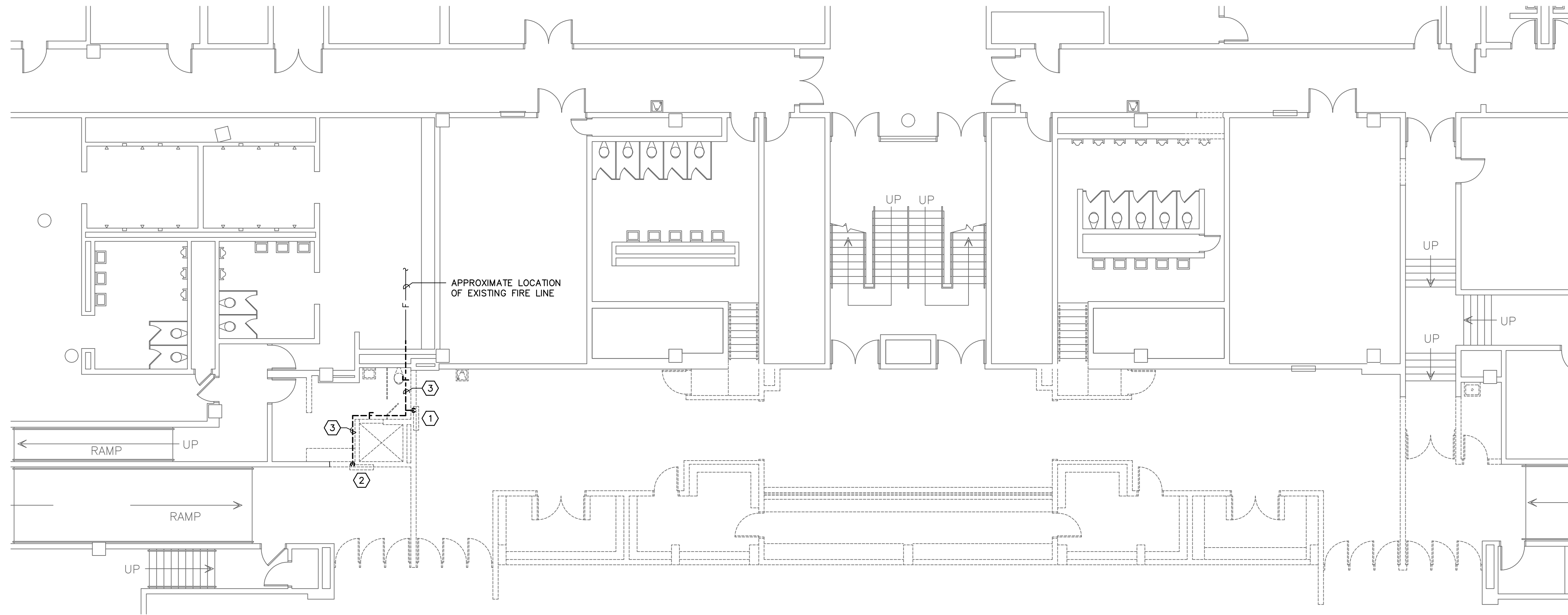
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FLOOR PLAN, NOTES, SCHEDULE, AND LEGEND

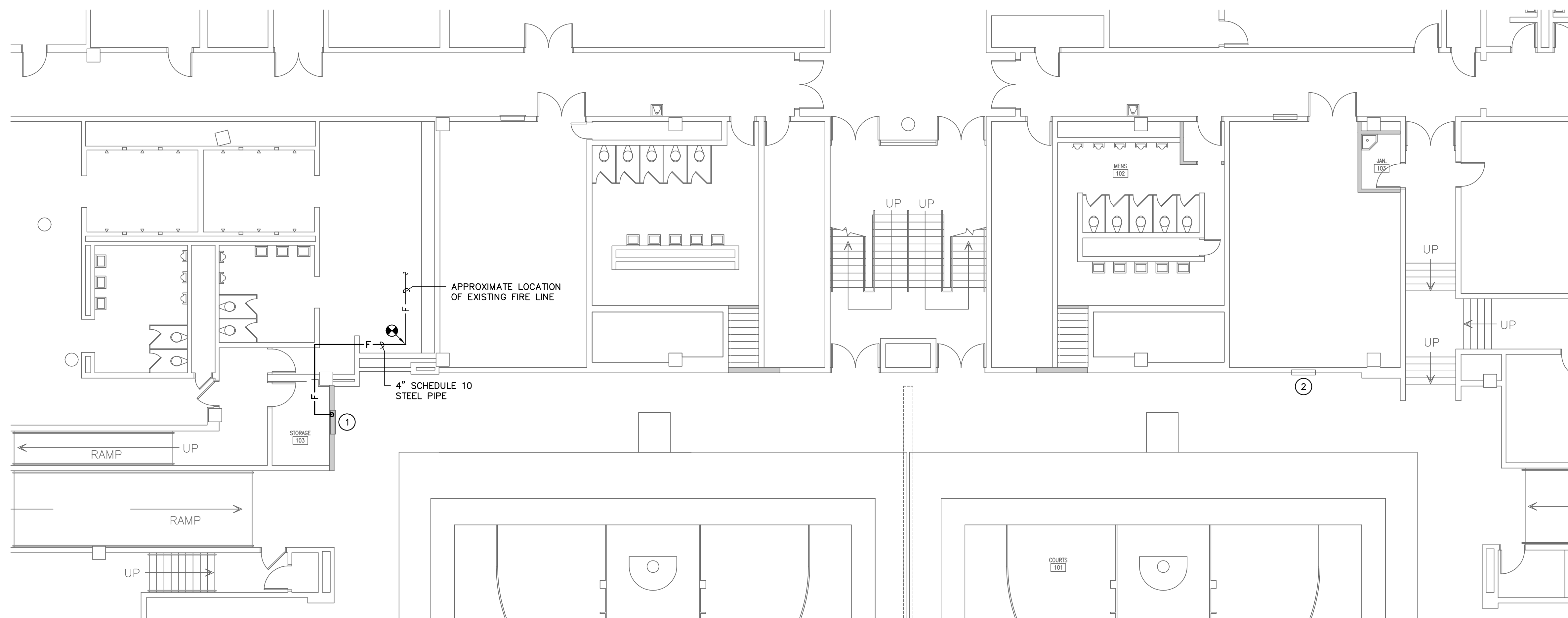
Drawing No.
P1.1

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1 DEMOLITION PLAN - LEVEL 1
 SCALE: 1/8" = 1'-0"



2 FLOOR PLAN - LEVEL 1
 SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. ALL WORK SHALL BE PERFORMED ACCORDING TO ALL LOCAL, STATE, NATIONAL CODES, AND THE 2012 INTERNATIONAL PLUMBING CODE.
2. THIS CONTRACTOR SHALL, PRIOR TO BIDDING, VISIT SITE AND DETERMINE SCOPE OF WORK AND POINTS OF CONNECTION FOR NEW WORK.
3. CONTRACTOR SHALL DRAIN EXISTING SYSTEM AS REQUIRED FOR INSTALLATION. COORDINATE ANY REQUIRED SHUTDOWN OF SYSTEM SHALL BE DONE IN ACCORDANCE WITH OWNER'S SCHEDULE AND APPROVED BY OWNER.
4. ● - POINT OF CONNECTION OF NEW TO EXISTING.

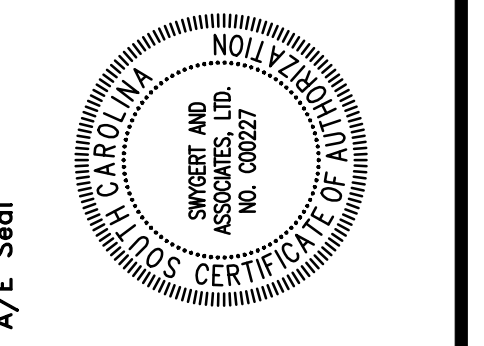
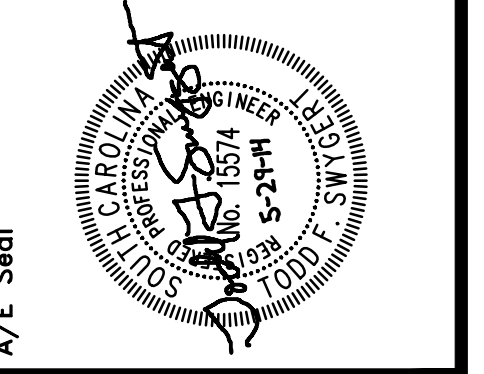
DEMOLITION NOTES

- ① EXISTING FIRE HOSE CABINET AND FIRE DEPARTMENT VALVE TO BE REMOVED COMPLETELY. CAP EXISTING PIPING AS REQUIRED.
- ② EXISTING FIRE HOSE CABINET, FIRE DEPARTMENT VALVE, AND ASSOCIATED SPECIALTIES TO BE RELOCATED AS SHOWN ON 2/FP1.1.
- ③ REMOVE EXISTING FIRE LINE AS REQUIRED.

NOTES TO SHEET

- ① NEW LOCATION OF EXISTING FIRE HOSE CABINET, FIRE DEPARTMENT VALVE, AND ASSOCIATED SPECIALTIES.
- ② EXISTING FIRE HOSE CABINET AND FIRE DEPARTMENT VALVE TO REMAIN.

The Boudreaux Group
 The Boudreaux Group, Inc.
 1320 Leahy St., Suite 900 (9900)
 Columbia, SC 29209
 803.799.0247 P.
 803.777.0844 F.
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 STATE PROJECT #H27-Z167
 CONSTRUCTION DOCUMENTS
 COLUMBIA, SOUTH CAROLINA**

Project No. U-787-14-1
 Date 05.29.14
 Drawn By JES
 Check By JES

Revisions	No.	Name	Date

FLOOR PLANS AND NOTES

Swygart & Associates
 CONSULTING ENGINEERS
 DBA Swygart & Assoc., Ltd. Telephone: (803) 791-9300
 Post Office Box 11886 Faxline: (803) 791-0830
 Columbia, S.C. 29211 mail@swygart-associates.com

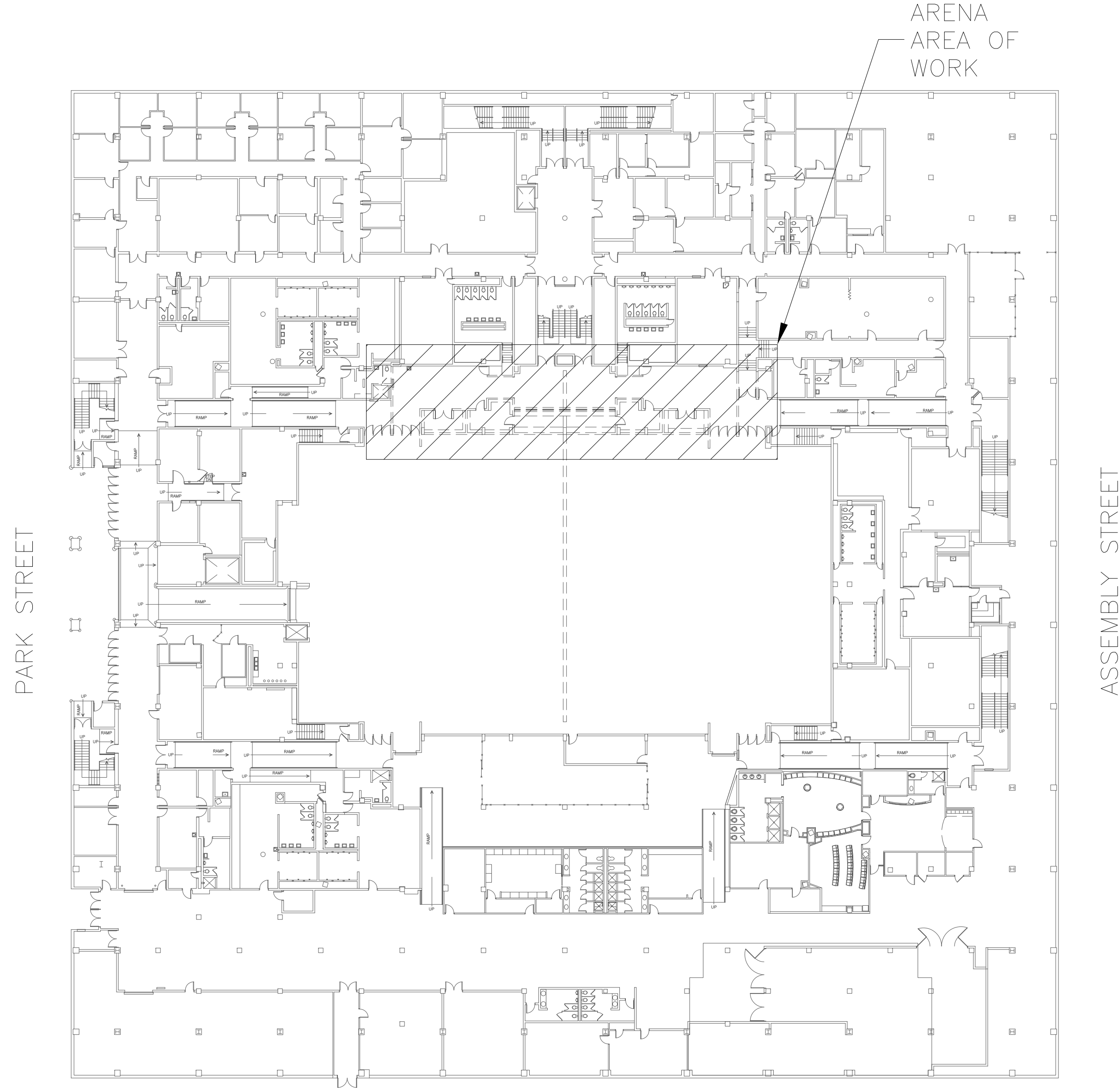
Drawing No. **FP1.1**

ELECTRICAL SYMBOL LEGEND

	LIGHTING FIXTURES (SEE LIGHTING FIXTURE SCHEDULE) (ALPHANUMERIC DENOTES TYPE, NUMBER DENOTES CIRCUIT)
	SINGLE POLE SWITCH, FLUSH MOUNTED IN WALL AT 48" AFF T.O.B. (LETTER DENOTES SWITCH/LEG)
	20 AMP DUPLEX RECEPTACLE, FLUSH MOUNTED IN WALL AT 18" AFF (NUMBER DENOTES CIRCUIT)
	20 AMP DUPLEX RECEPTACLE, FLUSH MOUNTED IN WALL AT 42" AFF OR 6" ABOVE COUNTER BACKSPASH (GF1 = GROUND FAULT INTERRUPTER; WP = WEATHERPROOF METALLIC "IN-USE" TYPE COVER)
	20 AMP DOUBLE DUPLEX RECEPTACLE, FLUSH MOUNTED IN WALL AT 18" AFF UNLESS NOTED OTHERWISE.
	20 AMP DUPLEX RECEPTACLE, FLUSH MOUNTED IN CEILING
	VOICE/DATA J-BOX, FLUSH MOUNTED IN WALL AT 18" AFF UNLESS NOTED OTHERWISE. PROVIDE A 4" SQUARE x 2" DEEP STEEL BOX WITH SINGLE-GANG PLASTER RING AND BLANK PLASTIC/PHENOLIC WALLPLATE. PROVIDE ONE 1" EMT RACEWAY WITH PULL STRING FROM BOX TO SPACE ABOVE DROP CEILING. TURN A 90 DEGREE BEND IN RACEWAY ABOVE DROP CEILING AND TURN TOWARD MAIN COMMUNICATION ROOM. PROVIDE A PLASTIC BUSHING ON BOTH ENDS OF RACEWAY.
	VOICE/DATA J-BOX, FLUSH MOUNTED IN WALL AT 42" AFF OR 6" ABOVE COUNTER BACKSPASH UNLESS NOTED OTHERWISE. PROVIDE A 4" SQUARE x 2" DEEP STEEL BOX WITH SINGLE-GANG PLASTER RING AND BLANK PLASTIC/PHENOLIC WALLPLATE. PROVIDE ONE 1" EMT RACEWAY WITH PULL STRING FROM BOX TO SPACE ABOVE DROP CEILING. TURN A 90 DEGREE BEND IN RACEWAY ABOVE DROP CEILING AND TURN TOWARD MAIN COMMUNICATION ROOM. PROVIDE A PLASTIC BUSHING ON BOTH ENDS OF RACEWAY.
	VOICE/DATA J-BOX, FLUSH MOUNTED IN CEILING OR ABOVE CEILING. PROVIDE A 4" SQUARE x 2" DEEP STEEL BOX WITH SINGLE-GANG PLASTER RING AND BLANK PLASTIC/PHENOLIC WALLPLATE. PROVIDE ONE 1" EMT RACEWAY WITH PULL STRING FROM BOX TO SPACE ABOVE DROP CEILING. TURN A 90 DEGREE BEND IN RACEWAY ABOVE DROP CEILING AND TURN TOWARD MAIN COMMUNICATION ROOM. PROVIDE A PLASTIC BUSHING ON BOTH ENDS OF RACEWAY.
	JUNCTION BOX, FLUSH MOUNTED IN WALL AT 18" AFF UNLESS NOTED OTHERWISE (FUNCTION AS INDICATED ON PLAN)
	JUNCTION BOX, FLUSH MOUNTED IN CEILING OR MOUNTED ABOVE CEILING (FUNCTION AS INDICATED ON PLAN) ("V"/"D" DENOTES VOICE/DATA, "P" DENOTES POWER)
	JUNCTION BOX, FLUSH MOUNTED IN FLOOR (FUNCTION AS INDICATED ON PLAN)
	ELECTRICAL PANELBOARDS, SURFACE AND FLUSH MOUNTED RESPECTIVELY
	FIRE ALARM MANUAL PULL STATION, SEMI-FLUSH MOUNT IN WALL AT 48" AFF T.O.B.
	FIRE ALARM VISIBLE-ONLY (STROBE) INDICATING DEVICE, SEMI-FLUSH MOUNTED IN CEILING (NUMBER INDICATES MINIMUM CANDELA RATING)
	FIRE ALARM VISIBLE-ONLY (STROBE) INDICATING DEVICE, SEMI-FLUSH MOUNTED IN WALL AT 80" AFF (NUMBER INDICATES MINIMUM CANDELA RATING)
	FIRE ALARM HORN/STROBE INDICATING DEVICE, SEMI-FLUSH MOUNTED IN CEILING (NUMBER INDICATES MINIMUM CANDELA RATING)
	FIRE ALARM HORN/STROBE INDICATING DEVICE, SEMI-FLUSH MOUNTED IN WALL AT 80" AFF (WP = WEATHERPROOF RATED; NUMBER INDICATES MINIMUM CANDELA RATING)
	PHOTOELECTRIC SPOT-TYPE SMOKE DETECTOR. SEMI-FLUSH MOUNT DETECTOR IN CEILING.
	135 DEGREE SPOT-TYPE HEAT DETECTOR, FIXED TEMPERATURE. SEMI-FLUSH MOUNT DETECTOR IN CEILING.

MOUNTING HEIGHTS INDICATED IN THIS LEGEND SHALL BE TO CENTERLINE OF DEVICE BOX. ALL SWITCHES AND PULL STATIONS SHALL BE INSTALLED TO BE 48" AFF TO TOP OF BOX. UNLESS NOTED OTHERWISE.

LIGHTING FIXTURE SCHEDULE								
SYMBOL	TYPE	DESCRIPTION	MANUFACTURER	MODEL NUMBER	OPTICAL ELEMENT	MOUNTING	VOLTS	LAMPS (PHILIPS OR EQUAL)
	A	1'x4' FLUORESCENT WRAP FIXTURE, 2 LAMPS	LITHONIA	LB 2 32 MVOLT GEB10IS	ACRYLIC LENS	CEILING	277	2 - F32T8/TL741/ALTO



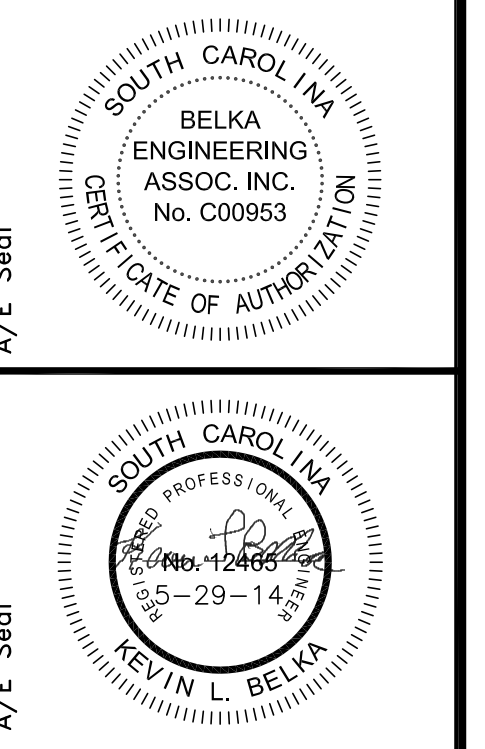
DEMOLITION/RENOVATION NOTATION	
E	EXISTING FIXTURE OR DEVICE TO REMAIN. FUNCTION SHALL REMAIN AT THIS LOCATION. FOR OUTLETS AND SWITCHES, PROVIDE NEW DEVICES AND WALL PLATES.
R	EXISTING FIXTURE/POLE OR DEVICE TO BE REMOVED BY ELECTRICAL CONTRACTOR. DISPOSE OF REMOVED COMPONENTS. MAINTAIN CONTINUITY OF REMAINING PORTIONS OF BRANCH CIRCUIT.
RE	LIGHTING FIXTURE OR DEVICE TO BE RELOCATED. FOR FIXTURES, CLEAN WITH MILD DETERGENT. PROVIDE NEW LAMPS IN FLUORESCENT FIXTURES.
RN	NEW LOCATION FOR RELOCATED FIXTURE OR DEVICE.

ELECTRICAL DRAWING INDEX	
E0.1	ELECTRICAL SYMBOL LEGEND & SCHEDULES
E1.1	ELECTRICAL DEMOLITION PLANS - LEVEL 1
E2.1	ELECTRICAL RENOVATION PLANS - LEVEL 1
E3.1	ELECTRICAL SPECS

BEA BELKA ENGINEERING ASSOCIATES, INC.
7 CLUSTERS COURT, SUITE 201
COLUMBIA, SOUTH CAROLINA 29210
(803) 731-0650 fax (803) 731-2880
EMAIL: CEStringfield@bellsouth.net

The Boudreaux Group
The Boudreaux Group, Inc.
1330 July St., Suite 200 (opposite)
Columbia, SC 29201
803.799.0247
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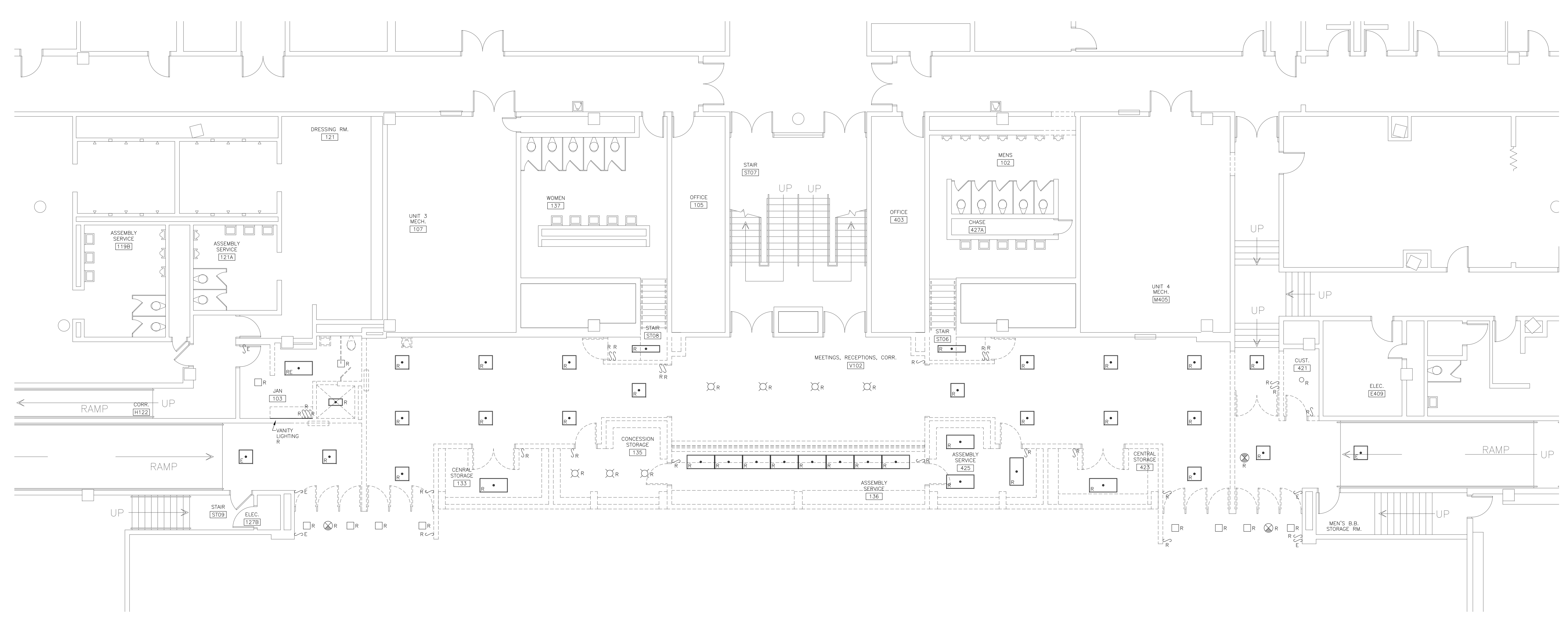
DEMOLITION/RENOVATIONS FOR COLISEUM PROJECT FOR ARENA LEVEL UNIVERSITY OF SOUTH CAROLINA STATE PROJECT #427-Z167

CONSTRUCTION DOCUMENTS
COLUMBIA, SOUTH CAROLINA

Project No.	Project Title
08-11-1	DEMOLITION/RENOVATIONS FOR COLISEUM PROJECT FOR ARENA LEVEL UNIVERSITY OF SOUTH CAROLINA STATE PROJECT #427-Z167
Drawn By	Checked By
JUS	BEA
Date	Date
08/29/14	08/29/14

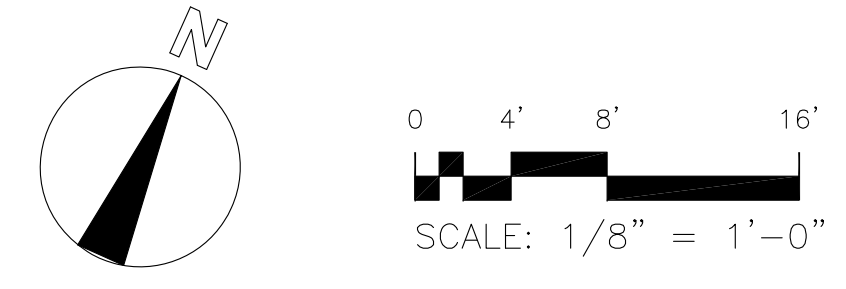
ELECTRICAL SYMBOL LEGEND & SCHEDULES

Drawing No. **E0.1**

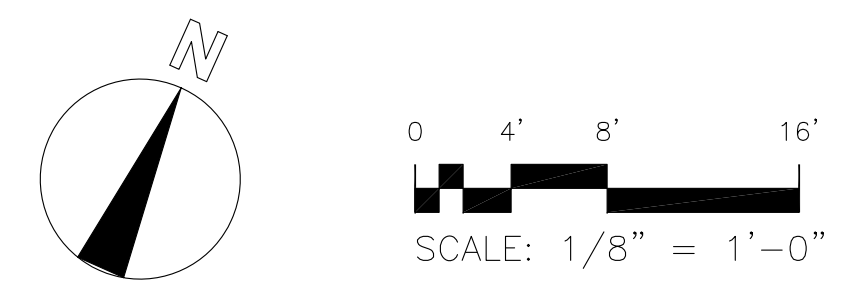
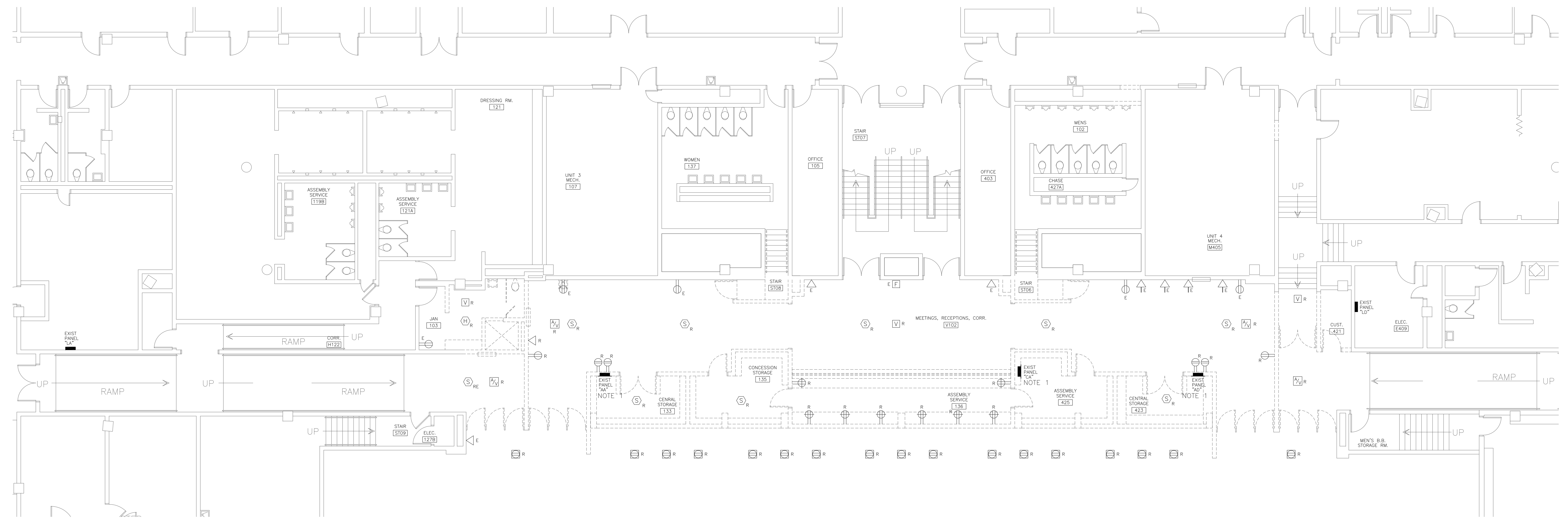


DEMOLITION NOTES

1. CONTRACTOR SHALL REMOVE PANELS, FEEDERS, AND ASSOCIATED BRANCH CIRCUITS, PER EXISTING DRAWINGS. PANEL "AA" IS FED FROM PANEL "LA", SHOWN ON THIS SHEET. PANELS "AD" & "CA" ARE FED FROM PANEL "LD", SHOWN ON THIS SHEET.



LIGHTING DEMOLITION PLAN - LEVEL 1
SCALE: 1/8" = 1'-0"

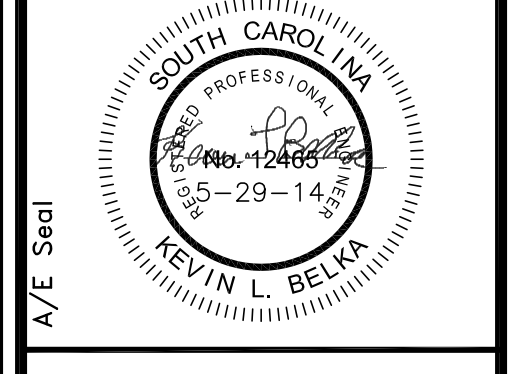
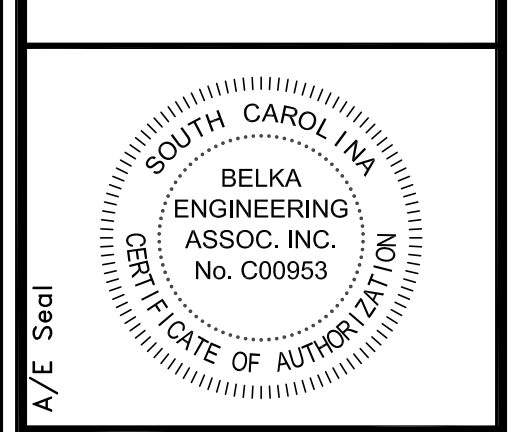


POWER/SYSTEMS DEMOLITION PLAN - LEVEL 1
SCALE: 1/8" = 1'-0"

BEA BELKA ENGINEERING ASSOCIATES, INC. AB21406
7 CLUSTERS COURT, SUITE 201
COLUMBIA, SOUTH CAROLINA 29210
(803) 731-0650 fax (803) 731-2880
EMAIL: CEStringfield@bellsouth.net

The Boudreaux Group
The Boudreaux Group, Inc.
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Columbia, SC 29201
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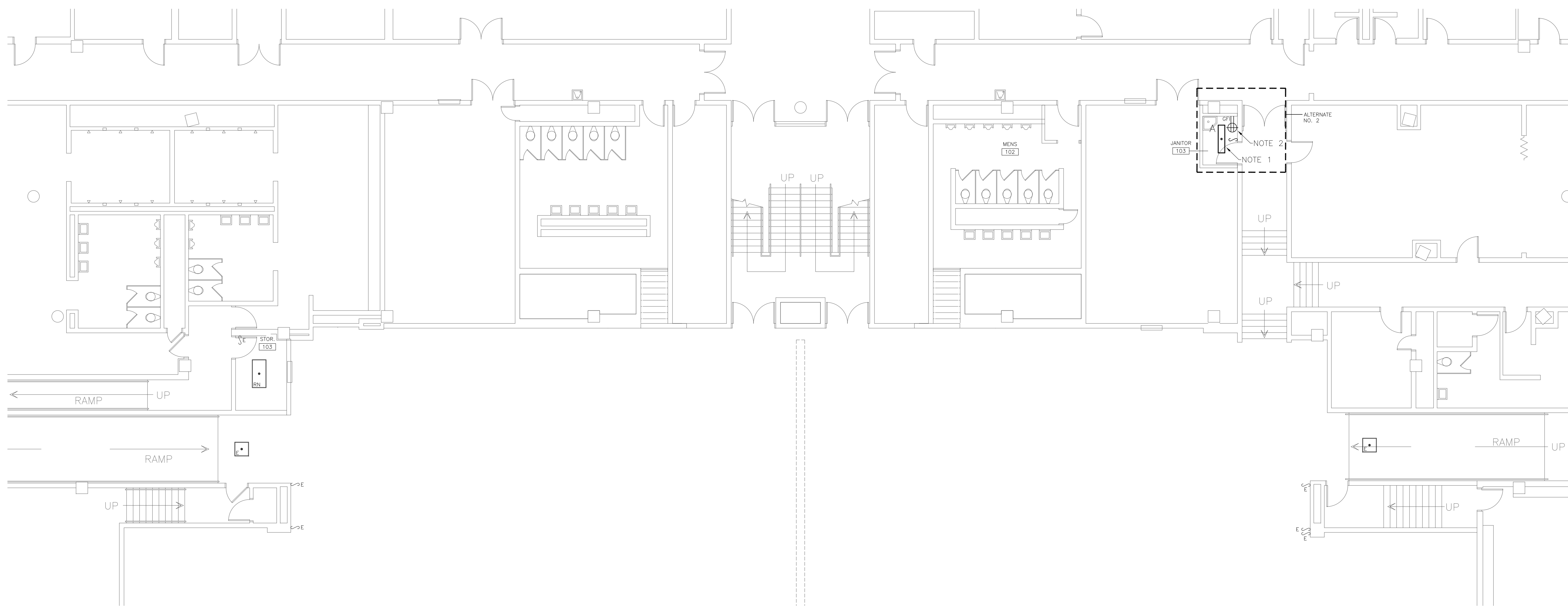
**DEMOLITION/RENOVATIONS FOR COLISEUM
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UNIVERSITY OF SOUTH CAROLINA
STATE PROJECT #H27-Z167**

CONSTRUCTION DOCUMENTS
COLUMBIA, SOUTH CAROLINA

Project Title	Project No.	Drawn By	Checked By
DEMOLITION/RENOVATIONS FOR COLISEUM PROJECT FOR ARENA LEVEL UNIVERSITY OF SOUTH CAROLINA STATE PROJECT #H27-Z167	107-1	JUS	JUS
Date	Revisions	No.	Name
05/29/14			

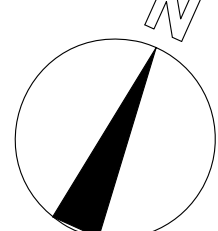
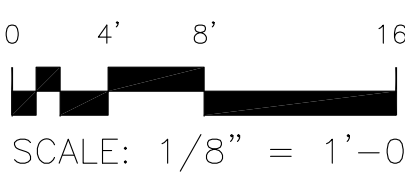
**ELECTRICAL DEMOLITION
PLANS - LEVEL 1**

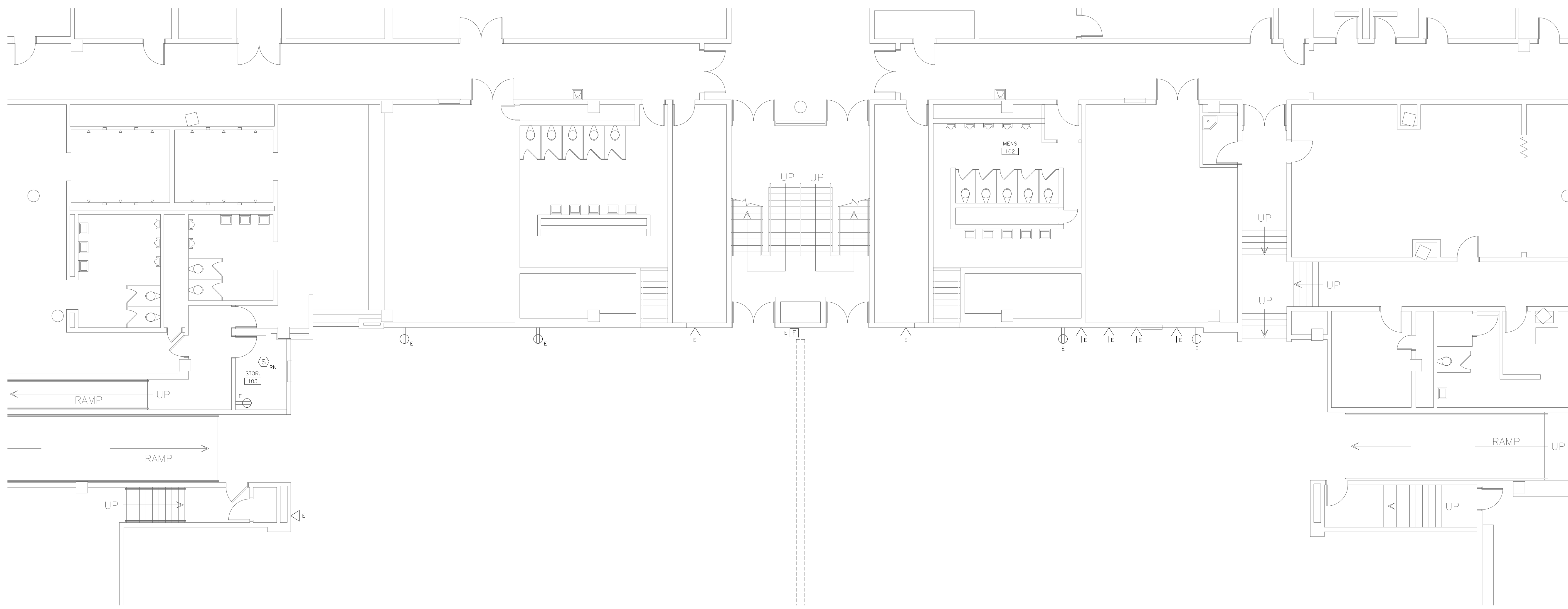
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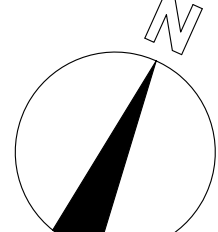
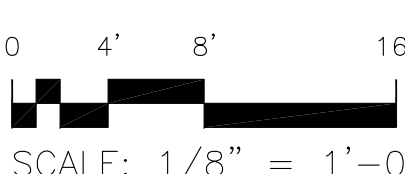


RENOVATION NOTES

1. EXTEND EXISTING CIRCUIT IN SPACE TO FEED NEW LIGHT FIXTURE.
2. EXTEND EXISTING CIRCUIT IN SPACE TO FEED NEW RECEPTACLE.



LIGHTING RENOVATION PLAN - LEVEL 1
 SCALE: 1/8" = 1'-0"



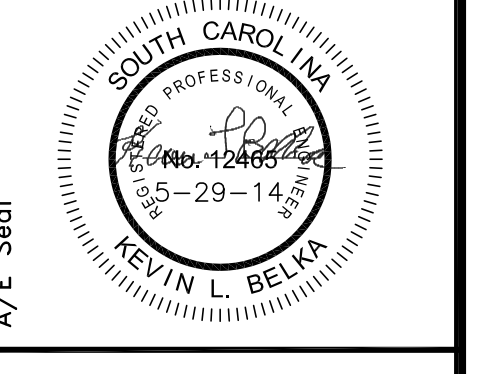
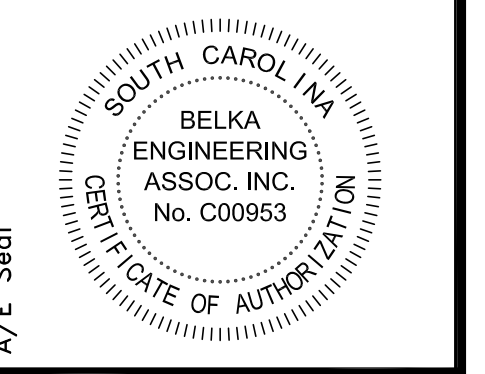


POWER/SYSTEMS RENOVATION PLAN - LEVEL 1
 SCALE: 1/8" = 1'-0"


BEA
 BELKA
 ENGINEERING
 ASSOCIATES, INC.

7 CLUSTERS COURT, SUITE 201
 COLUMBIA, SOUTH CAROLINA 29210
 (803) 731-0650 fax (803) 731-2880
 EMAIL: CEStringfield@bellsouth.net

The Boudreaux Group
 The Boudreaux Group, Inc.
 1320 July St., Suite 200 (opposite)
 Columbia, SC 29201
 803.799.0247
 info@boudreauxgroup.com

Interdisciplinary Design Architecture Interior Planning



**DEMOLITION/RENOVATIONS FOR COLISEUM
 PROJECT FOR ARENA LEVEL
 UNIVERSITY OF SOUTH CAROLINA
 STATE PROJECT #H27-Z167
 CONSTRUCTION DOCUMENTS
 COLUMBIA, SOUTH CAROLINA**

Project No.	Date
H27-Z167-1	
Drawn By	
JUS	
Checked By	
DES	
Date	
05/29/14	

**ELECTRICAL RENOVATION
 PLANS - LEVEL 1**

E2.1

BASIC ELECTRICAL MATERIALS AND METHODS

- 1. Coordinate arrangement, mounting, and support of electrical equipment:
A. To allow maximum possible headroom unless specific mounting heights that reduce headroom are indicated.
B. To provide for ease of disconnecting the equipment with minimum interference to other installations.
C. To allow right of way for piping and conduit installed at required slope.
D. So connecting raceways will be clear of obstructions and of the working and access space of other equipment.
2. Comply with NECA 1.
3. Measure indicated mounting heights to bottom of unit for suspended items and to center of unit for wall-mounting items. All devices shall be ADA-compliant.
4. Headroom Maintenance: If mounting heights or other location criteria are not indicated, arrange and install components and equipment to provide maximum possible headroom consistent with these requirements.
5. Equipment: Install to facilitate service, maintenance, and repair or replacement of components of both electrical equipment and other nearby installations. Connect in such a way as to facilitate future disconnecting with minimum interference with other items in the vicinity.
6. Right of Way: Give to raceways and piping systems installed at a required slope.

CONDUCTORS AND CABLES

- 1. Building wires and cables rated 600 V and less.
2. Connectors, splices, and terminations rated 600 V and less.
3. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70-2011, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.
4. Comply with NFPA 70-2011.
5. Conductor Manufacturers: Subject to compliance with requirements, provide products by one of the following:
A. American Insulated Wire Corp.; a Leviton Company.
B. General Cable Corporation.
C. Senator Wire & Cable Company.
D. Southwire Company.
6. Copper Conductors: Comply with NEMA WC 70.
7. Conductor Insulation: Comply with NEMA WC 70 for Types THHN-THWN.
8. Connector Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
A. Hubbell Power Systems, Inc.
B. O-Z/Gedney; EGS Electrical Group LLC.
C. 3M; Electrical Products Division.
D. Tyco Electronics Corp.
9. Description: Factory-fabricated connectors and splices of size, ampacity rating, material, type, and class for application and service indicated.

10. CONDUCTOR MATERIAL APPLICATIONS

- A. Copper. Solid for No. 10 AWG and smaller; stranded for No. 8 AWG and larger.

11. CONDUCTOR INSULATION AND MULTICONDUCTOR CABLE APPLICATIONS AND WIRING METHODS

- A. Class 1 Control Circuits: Type THHN-THWN, in raceway.

12. INSTALLATION OF CONDUCTORS AND CABLES

- A. Use manufacturer-approved pulling compound or lubricant where necessary; compound used must not deteriorate conductor or insulation. Do not exceed manufacturer's recommended maximum pulling tensions and sidewall pressure values.
B. Use pulling means, including fish tape, cable, rope, and basket-weave wire/cable grips, that will not damage cables or raceway.
C. Support cables according to "Electrical Supports and Seismic Restraints."
D. Identify and color-code conductors and cables according to "Electrical Identification."

13. CONNECTIONS

- A. Tighten electrical connectors and terminals according to manufacturer's published torque-tightening values. If manufacturer's torque values are not indicated, use those specified in UL 486A and UL 486B.
B. Make splices and taps that are compatible with conductor material and that possess equivalent or better mechanical strength and insulation ratings than unspliced conductors.
C. Wiring at Outlets: Install conductor at each outlet, with at least 6 inches (150 mm) of slack.

GROUNDING AND BONDING

- 1. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70-2011, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.
2. Comply with UL 467 for grounding and bonding materials and equipment.
3. Insulated Conductors: Copper wire or cable insulated for 600 V unless otherwise required by applicable Code or authorities having jurisdiction.
4. CONNECTORS: Listed and labeled by a nationally recognized testing laboratory acceptable to authorities having jurisdiction for applications in which used, and for specific types, sizes, and combinations of conductors and other items connected.
5. APPLICATIONS:
A. Conductors: Install solid conductor for No. 10 AWG and smaller, and stranded conductors for No. 8 AWG and larger, unless otherwise indicated.
6. EQUIPMENT GROUNDING
A. Install insulated equipment grounding conductors with all branch circuits.
7. INSTALLATION
A. Grounding Conductors: Route along shortest and straightest paths possible, unless otherwise indicated or required by Code. Avoid obstructing access or placing conductors where they may be subjected to strain, impact, or damage.
B. Bonding Straps and Jumpers: Install in locations accessible for inspection and maintenance, except where routed through short lengths of conduit.

ELECTRICAL SUPPORTS AND SEISMIC RESTRAINTS

- 1. Comply with seismic-restraint requirements in the IBC unless requirements in this Section are more stringent.
2. SUPPORT, ANCHORAGE, AND ATTACHMENT COMPONENTS
A. Rated Strength: Adequate in tension, shear, and pullout force to resist maximum loads calculated or imposed under this Project, with a minimum structural safety factor of five times the applied force.
B. Steel Slotted Support Systems: Comply with MFMA-3, factory-fabricated components for field assembly.
C. Channel Dimensions: Selected for structural loading.
3. Raceway Supports: As described in NECA 1.
4. Conduit Support Devices: Steel and malleable-iron hangers, clamps, and associated fittings, designed for types and sizes of raceway or cable to be

- supported.
5. Restraint Cables: Provide #12 slack steel cables on all recessed light fixtures. Provide two cables on all 2'x4' recessed fixtures attached from structure to diagonally opposite corners of fixtures. Provide one cable on each smaller fixture.
6. Attachment to Structure: If specific attachment is not indicated, anchor bracing to structure at flanges of beams, upper truss chords of bar joists, or at concrete members.

RACEWAYS AND BOXES

- 1. DEFINITIONS
A. EMT: Electrical metallic tubing.
B. FMC: Flexible metal conduit.
2. QUALITY ASSURANCE
A. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70-2011, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.
B. Comply with NFPA 70-2011.
3. METAL CONDUIT AND TUBING
A. EMT: ANSI C80.3.
B. FMC: Zinc-coated steel.
C. Fittings for Conduit (Including all Types) and EMT: NEMA FB 1; listed for type and size raceway with which used, and for application and environment in which installed.
4. Fittings for EMT: Steel, compression type.
5. BOXES, ENCLOSURES, AND CABINETS
A. Small Sheet Metal Pull and Junction Boxes: NEMA OS 1.
6. RACEWAY APPLICATION
A. Comply with the following indoor applications, unless otherwise indicated:
i. Exposed, Not Subject to Physical Damage: EMT.
ii. Concealed in Ceilings and Interior Walls and Partitions: EMT.
7. Boxes and Enclosures: NEMA 250, Type 1.
8. Minimum Raceway Size: Indoors -3/4-inch (19-mm).

9. Raceway Fittings: Compatible with raceways and suitable for use and location. Retain first paragraph below for high-frequency installation.

10. INSTALLATION

- A. Comply with NECA 1 for installation requirements applicable to products specified in Part 2 except where requirements on Drawings or in this Article are stricter.
B. Keep raceways at least 6 inches (150 mm) away from parallel runs of flues and steam or hot-water pipes. Install horizontal raceway runs above water and steam piping.
C. Complete raceway installation before starting conductor installation.
D. Conceal conduit and EMT within finished walls, ceilings, and floors, unless otherwise indicated.
E. Flexible Conduit Connections: Use maximum of 72 inches (1830 mm) of flexible conduit for recessed and semi-recessed lighting fixtures, equipment subject to vibration, noise transmission, or movement.

ELECTRICAL IDENTIFICATION

- 1. Comply with NFPA 70-2011.
2. COORDINATION
A. Coordinate identification names, abbreviations, colors, and other features with requirements. Use consistent designations throughout Project.
B. Coordinate installation of identifying devices with completion of covering and painting of surfaces where devices are to be applied.
C. Coordinate installation of identifying devices with location of access panels and doors.
D. Install identifying devices before installing acoustical ceilings and similar concealment.

3. CONDUCTOR AND CONTROL CABLE IDENTIFICATION MATERIALS

- A. Color-Coding Conductor Tape: Colored, self-adhesive vinyl tape not less than 3 mils (0.08 mm) thick by 1 to 2 inches (25 to 50 mm) wide.
B. Marker Tapes: Vinyl or vinyl-cloth, self-adhesive wraparound type, with circuit identification legend machine printed by thermal transfer or equivalent process.
4. Branch-Circuit Conductor Identification: Where there are conductors for more than three branch circuits in same junction or pull box, use color-coding conductor tape. Provide permanent stick-on label on each receptacle plate identifying panel and circuit number feeding receptacle.

5. INSTALLATION

- A. Verify identity of each item before installing identification products.
B. Location: Install identification materials and devices at locations for most convenient viewing without interference with operation and maintenance of equipment.
C. Apply identification devices to surfaces that require finish after completing finish work.
D. Self-Adhesive Identification Products: Clean surfaces before application, using materials and methods recommended by manufacturer of identification device.
6. Provide updated, typed panel directories.
7. Color shall be factory applied or, for sizes larger than No. 10 AWG if authorities having jurisdiction permit, field applied.

8. Colors for 120/208-V Circuits:

- a. Phase A: Black.
b. Phase B: Red.
c. Phase C: Blue.
d. Neutral: White.
e. Ground: Green.

- 9. Field-Applied, Color-Coding Conductor Tape: Apply in half-lapped turns for a minimum distance of 6 inches (150 mm) from terminal points and in boxes where splices or taps are made. Apply last two turns of tape with no tension to prevent possible unwinding. Locate bands to avoid obscuring factory cable markings.

WIRING DEVICES

- 1. QUALITY ASSURANCE
A. Source Limitations: Obtain each type of wiring device and associated wall plate through one source from a single manufacturer. Insofar as they are available, obtain all wiring devices and associated wall plates from a single manufacturer and one source.
B. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70-2011, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.
C. Comply with NFPA 70-2011.
2. Manufacturers' Names:
A. Cooper Wiring Devices; a division of Cooper Industries, Inc. (Cooper).
B. Hubbell Incorporated; Wiring Device-Kellems (Hubbell).
C. Leviton Mfg. Company Inc. (Leviton).
D. Pass & Seymour/Legrand; Wiring Devices & Accessories (Pass & Seymour).

- 3. STRAIGHT BLADE RECEPTACLES
A. Convenience Receptacles, 125 V, 20 A: Comply with NEMA WD 1, NEMA WD 6 configuration 5-20R, and UL 498.
B. Products: Subject to compliance with requirements, provide one of the following:
i. Cooper; 5351 (single), 5352 (duplex).
ii. Hubbell; HBL5351 (single), CR5352 (duplex).
iii. Leviton; 5891 (single), 5352 (duplex).
iv. Pass & Seymour; 5381 (single), 5352 (duplex).

6. WALL PLATES

- A. Single and combination types to match corresponding wiring devices.
i. Plate-Securing Screws: Metal with head color to match plate finish.
ii. Material: Smooth stainless steel.

7. FINISHES

- A. Color: Wiring device catalog numbers in Section Text do not designate device color.
B. Wiring Devices Connected to Normal Power System: As selected by Architect, unless otherwise indicated or required by NFPA 70-2011 or device listing.
C. Wiring Devices Connected to Generator-backed Power System: Red with red nylon (non-breakable) plates.

8. INSTALLATION

- A. Comply with NECA 1, including the mounting heights listed in that standard, unless otherwise noted.
B. Coordination with Other Trades: Take steps to insure that devices and their boxes are protected. Do not place wall finish materials over device boxes and do not cut holes for boxes with routers that are guided by riding against outside of the boxes.
C. Keep outlet boxes free of plaster, drywall joint compound, mortar, cement, concrete, dust, paint, and other material that may contaminate the raceway system, conductors, and cables. Install wiring devices after all wall preparation, including painting, is complete.

9. Conductors:

- A. Do not strip insulation from conductors until just before they are spliced or terminated on devices.
B. Strip insulation evenly around the conductor using tools designed for the purpose. Avoid scoring or nicking of solid wire or cutting strands from stranded wire.
C. The length of free conductors at outlets for devices shall meet provisions of NFPA 70-2011, Article 300, without pigtails.

10. Device Installation:

- A. Replace all devices that have been in temporary use during construction or that show signs that they were installed before building finishing operations were complete.
B. Keep each wiring device in its package or otherwise protected until it is time to connect conductors.
C. Do not remove surface protection, such as plastic film and smudge covers, until the last possible moment.
D. Connect devices to branch circuits using pigtails that are not less than 6 inches (152 mm) in length.
E. When there is a choice, use side wiring with binding-head screw terminals. Wrap solid conductor tightly clockwise, 2/3 to 3/4 of the way around terminal screw.
F. When conductors larger than No. 12 AWG are installed on 15- or 20-A circuits, splice No. 12 AWG pigtails for device connections.

11. Receptacle Orientation:

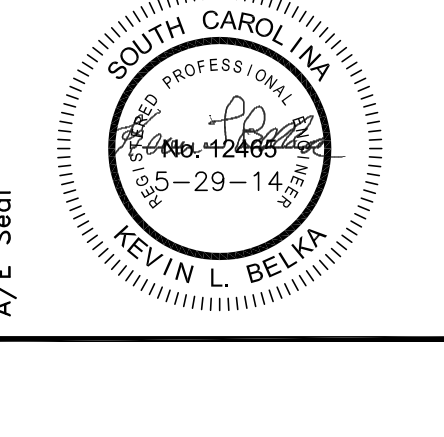
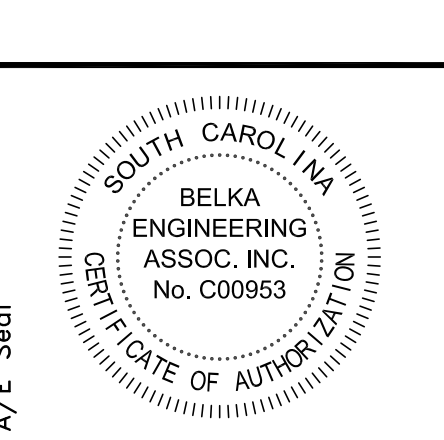
- A. Install ground pin of vertically mounted receptacles down.

12. Device Plates:

- Do not use oversized or extra-deep plates. Repair wall finishes and remount outlet boxes when standard device plates do not fit flush or do not cover rough wall opening.

- 13. Arrangement of Devices: Unless otherwise indicated, mount flush, with long dimension vertical and with grounding terminal of receptacles on bottom. Group adjacent switches under single, multigang wall plates.

The Boudreaux Group
The Boudreaux Group, Inc.
1330 July St., Suite 200 (opposite)
Columbia, SC 29204
803.731.0650
fbb@boudreauxgroup.com



DEMOLITION/RENOVATIONS FOR COLISEUM PROJECT FOR ARENA LEVEL UNIVERSITY OF SOUTH CAROLINA STATE PROJECT #427-Z167 CONSTRUCTION DOCUMENTS COLUMBIA, SOUTH CAROLINA

Table with columns: Project No., Drawn By, Checked By, Date. Values: 137, JUS, BCS, 06/29/14.

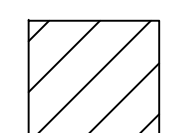
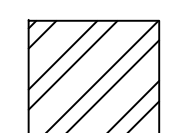
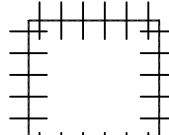
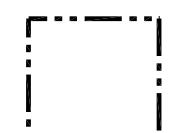
Table with columns: Revisions No., Name, Date.

ELECTRICAL SPECIFICATIONS

E3.1

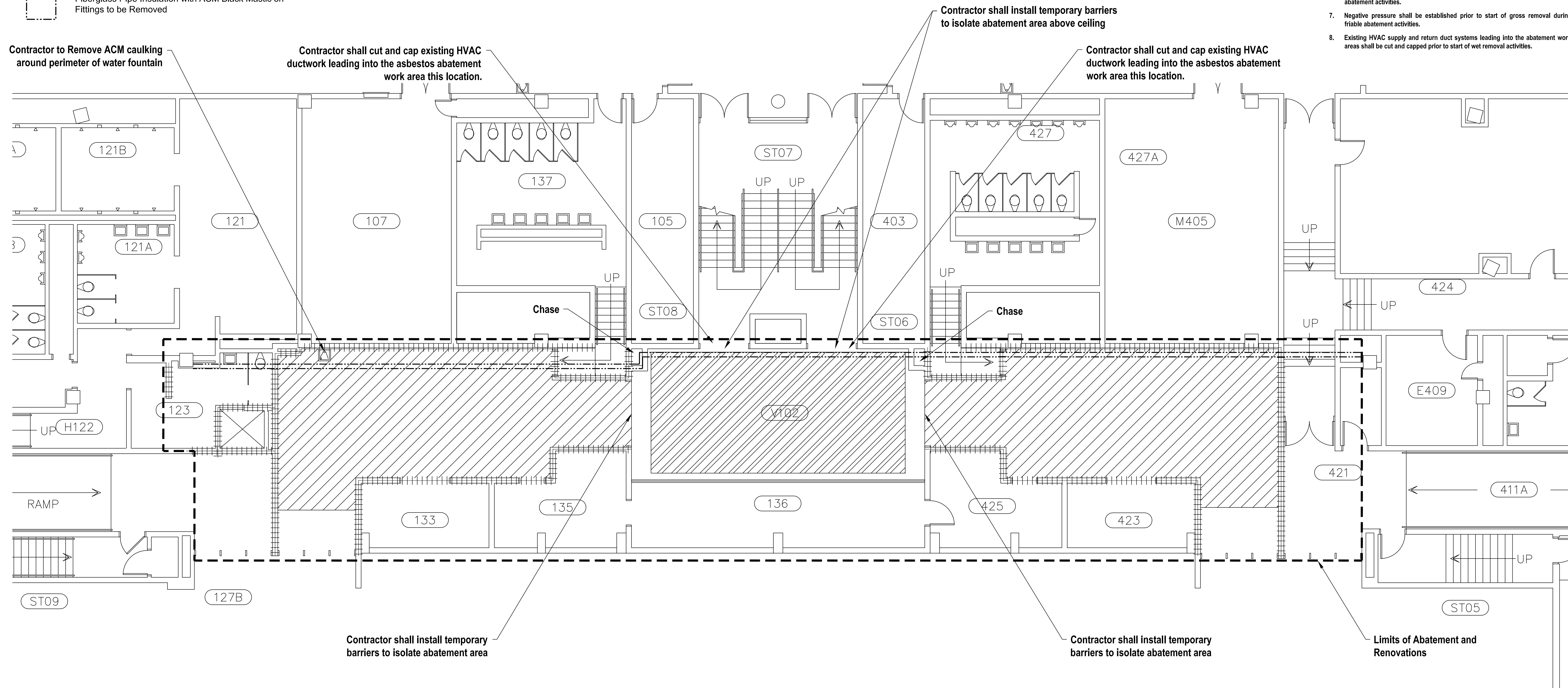
BEA BELKA ENGINEERING ASSOCIATES, INC.
7 CLUSTERS COURT, SUITE 201
COLUMBIA, SOUTH CAROLINA 29210
(803) 731-0650 fax (803) 731-2880
EMAIL: CEStringfield@bellsouth.net

LEGEND

-  Non-ACM Suspended Ceiling System to be Removed Prior to Start of Abatement Activities
-  ACM Recessed Acoustical Plaster Ceiling to be Removed
-  Lead-Glazed Wall Tile to be Removed
-  Fiberglass Pipe Insulation with ACM Black Mastic on Fittings to be Removed

ABATEMENT GENERAL NOTES

1. Contractor shall thoroughly read all specifications and plans and thoroughly review all abatement documents (i.e. ACM and LBP Investigation Reports) prior to commencement of abatement activities.
2. As a function of the overall renovations various components of the mechanical, electrical, plumbing and HVAC systems found within the limits of the renovation the building are to be demolished and removed from the building. Contractor shall coordinate with the GC to ensure that only facilities designated to be demolished are removed.
3. The Contractor shall be responsible for verification of all site conditions and quantities associated with the abatement prior to the bid. Contractor shall utilize estimated ACM quantities listed herein for base bid. Actual quantities shall be documented and confirmed during the abatement operations by the Contractor and Owner's Representative.
4. Contractor shall thoroughly clean areas where abatement is to occur prior to abatement operations.
5. Contractor is to ensure that all governing EPA, the SCDEH and OSHA regulations are followed during all demolition and abatement activities within the facility.
6. Containment shall be established and in place prior to the start of friable abatement activities.
7. Negative pressure shall be established prior to start of gross removal during friable abatement activities.
8. Existing HVAC supply and return duct systems leading into the abatement work areas shall be cut and capped prior to start of wet removal activities.



F&ME
 CONSULTANTS
 GEOTECHNICAL - ENVIRONMENTAL - MATERIALS
 COLUMBIA, SOUTH CAROLINA
 F&ME CONSULTANTS, INC.
 3112 Devine Street
 Columbia, S.C. 29205
 Telephone: (803) 254-4540
 Facsimile: (803) 254-4542
 geller@fmeccol.com

Shirley E. Clark
 SHIRLEY E. CLARK
 ASBESTOS CONSULTANT PROJECT DESIGNER
 EXP. 06/12/2014

DEMOLITION/RENOVATION
 COLISEUM PROJECT FOR ARENA LEVEL
 UNIVERSITY OF SOUTH CAROLINA
 STATE PROJECT NUMBER H27-Z167
 100% CONSTRUCTION DRAWINGS

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ASBESTOS ABATEMENT PLAN AND
 LEAD-GLAZED WALL TILE REMOVAL PLAN
 FIRST FLOOR ATHLETIC LEVEL

AB-1