

University of South Carolina Aiken

ECONOMICS DEPARTMENT RENOVATIONS

Aiken, South Carolina

Issue Date/ Description: 2014-11-24
MPS Project No: 14007.01
Agency Review ID: OSE State Project Number H29-I344

OWNER

UNIVERSITY OF SOUTH CAROLINA - AIKEN
471 UNIVERSITY PARKWAY
AIKEN, S.C. 29801
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ARCHITECT

McMILLAN PAZDAN SMITH ARCHITECTS
200 EAST BROAD STREET, STE. 300
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MECHANICAL/ELECTRICAL

JOHNSON, LASCHOBER & ASSOCIATES, P.C.
1296 BROAD STREET
AUGUSTA, G.A. 30903
706.742.5756
WWW.THEJLAGROUP.COM

SCOPE OF WORK:

FIRST FLOOR:
SELECTIVE DEMOLITION OF EXISTING FLOOR FINISHES, CEILING TILE AND GRID,
DOORS AND DOOR FRAMES - APPROXIMATELY 620 SF.

NEW WORK INCLUDES PATCHING AND REPAIRING WALLS, INSTALLATION OF NEW
DOORS, WALLS, CEILING TILE AND GRID, NEW FLOOR FINISHES, BASE AND PAINT AS
INDICATED IN AREA OF WORK.

SECOND FLOOR:
SELECTIVE DEMOLITION OF EXISTING FLOOR FINISHES, CEILING TILE AND GRID,
DOORS AND DOOR FRAMES, MILLWORK, WALLS AND GLASS BLOCK -
APPROXIMATELY 725 SF.

NEW WORK INCLUDES PATCHING AND REPAIRING WALLS, INSTALLATION OF NEW
DOORS, WALLS, CEILING TILE AND GRID AND NEW FLOOR FINISHES, BASE AND PAINT
AS INDICATED IN AREA OF WORK.

APPLICABLE CODES:

| | OSE |
|--|------|
| INTERNATIONAL BUILDING CODE | 2012 |
| INTERNATIONAL EXISTING BUILDING CODE | 2012 |
| INTERNATIONAL ENERGY CONSERVATION CODE | 2009 |
| INTERNATIONAL FIRE CODE | 2012 |
| INTERNATIONAL MECHANICAL CODE | 2012 |
| INTERNATIONAL PLUMBING CODE | 2012 |
| NATIONAL ELECTRICAL CODE | 2011 |
| ICC/ANSI 117.1 - ACCESSIBILITY CODE | 2009 |

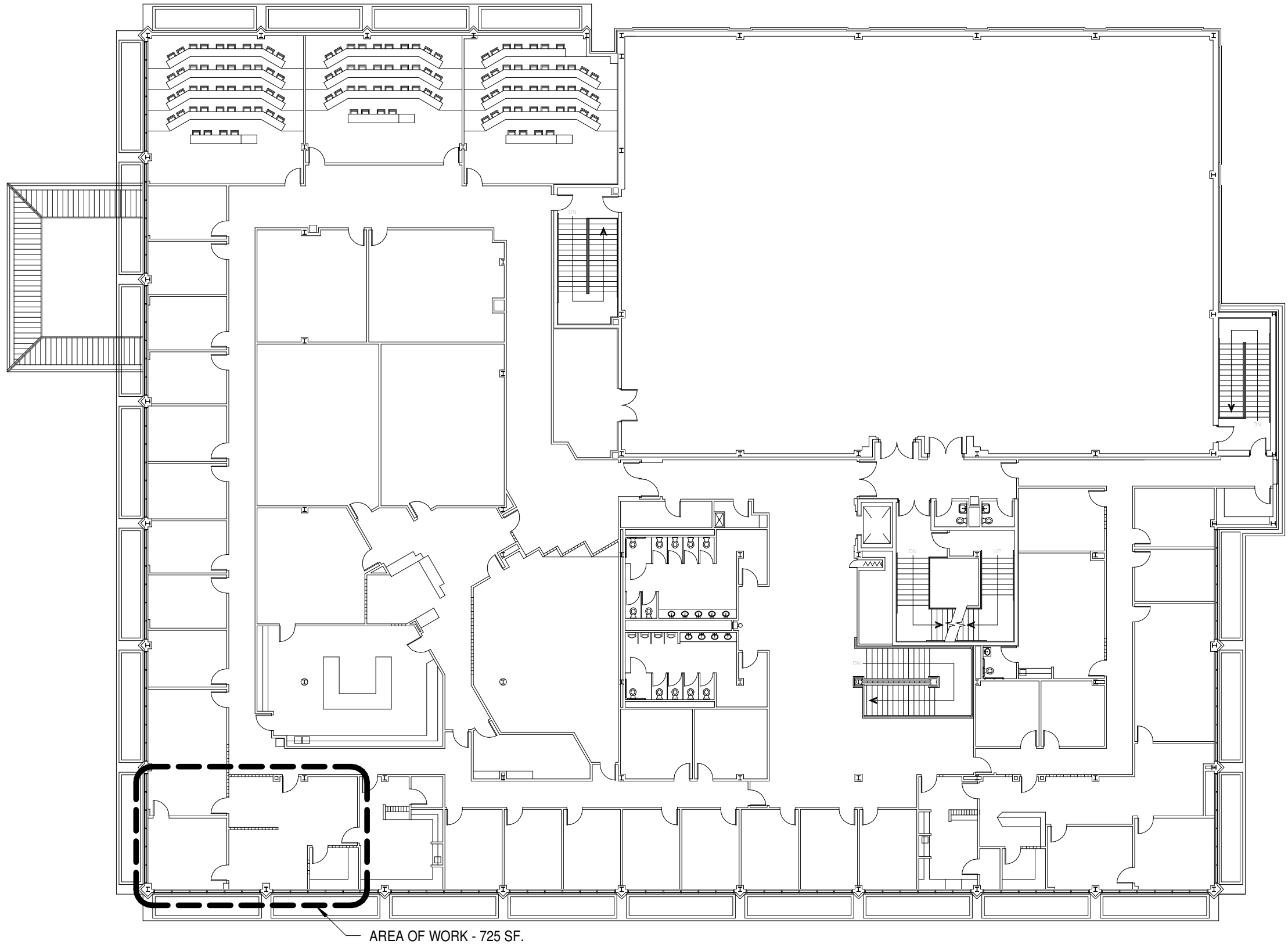
EXISTING CONSTRUCTION TYPE IS UNSPRINKLERED, TYPE IIB, PRIMARY
OCCUPANCY IS (B) BUSINESS. AREA OF WORK TOTALS 1,345 SF.
APPROXIMATELY 14 OCCUPANTS. EXISTING RATED AND PROTECTED
CONSTRUCTION SHALL BE MAINTAINED DURING CONSTRUCTION.

DRAWING LIST:

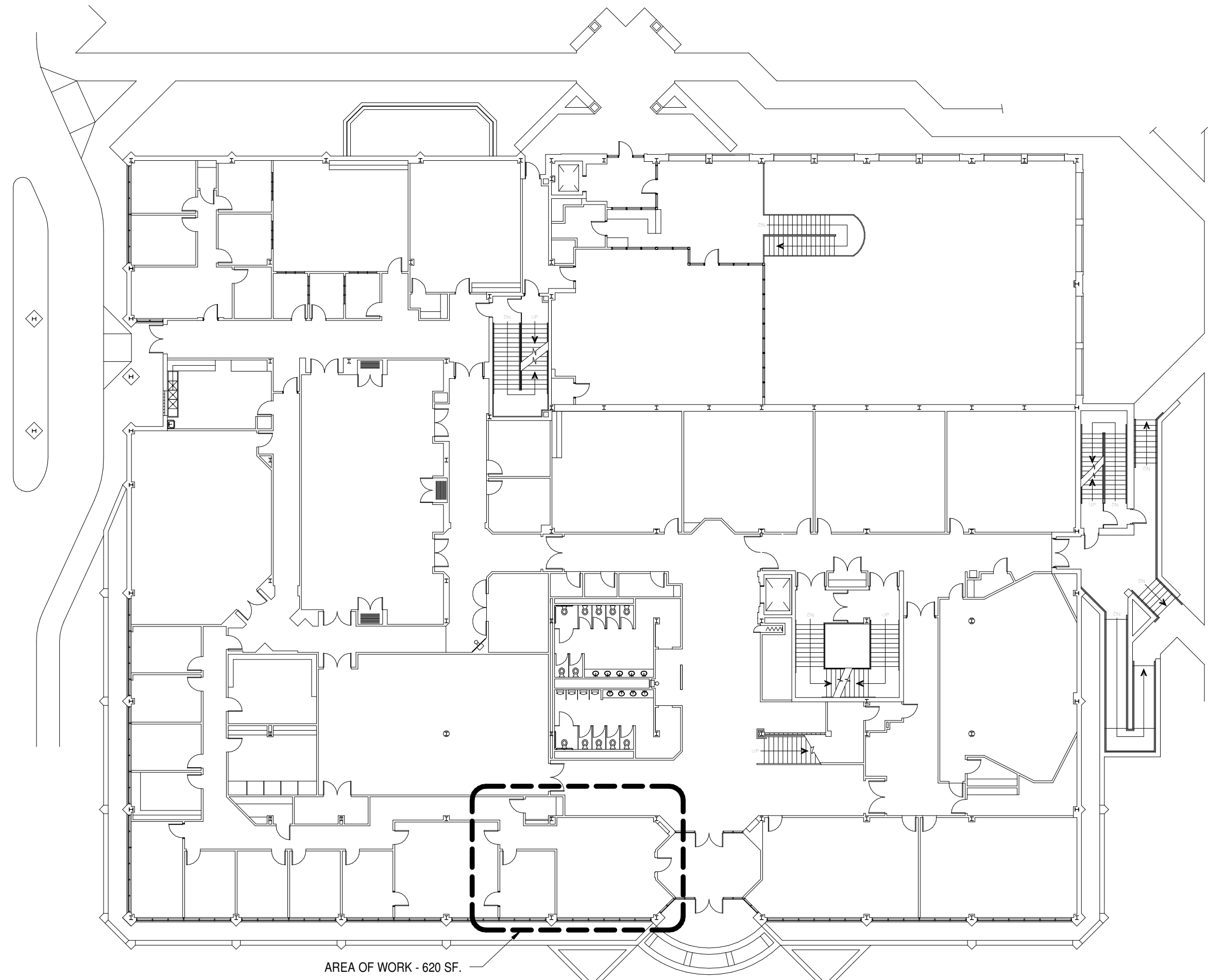
| SHEET NUMBER | SHEET NAME |
|-----------------|--|
| G0.01 | COVER SHEET |
| A1.00 | DEMOLITION & NEW FLOOR PLANS - LOBBY |
| A2.00 | DEMOLITION & NEW FLOOR PLANS - DEAN'S SUITE |
| M1.00 | DEMOLITION & NEW HVAC PLANS - LOBBY & DEAN'S SUITE |
| M2.00 | HVAC SCHEDULES, NOTES AND DETAILS |
| E1.00 | DEMOLITION & NEW ELECTRICAL PLANS - LOBBY |
| E2.00 | DEMOLITION & NEW ELECTRICAL PLANS - DEAN'S SUITE |

GENERAL NOTES:

- ALL WORK SHALL MEET THE MINIMUM REQUIREMENTS OF THE
LATEST ADOPTED EDITIONS OF THE APPLICABLE CODES, AS
INDICATED ON THIS SHEET AND ALL OTHER LOCAL, STATE OR
FEDERAL CODES OR REGULATIONS HAVING JURISDICTION.
- ALL CONSTRUCTION SHALL BE HANDICAPPED ACCESSIBLE AND
COMPLY WITH BARRIER FREE DESIGN AND OTHER APPLICABLE
STANDARDS.
- DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION THE
CONTRACTOR IS RESPONSIBLE FOR OBTAINING CLARIFICATION FROM
THE ARCHITECT BEFORE CONTINUING WITH THE WORK.
- IN THE EVENT OF ANY DISCREPANCIES FOUND IN THE DRAWINGS
OR CONFLICTS BETWEEN THE ARCHITECTURAL DRAWINGS AND
THOSE OF THE ENGINEERS, THE CONTRACTOR SHALL BE REQUIRED
TO NOTIFY THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.



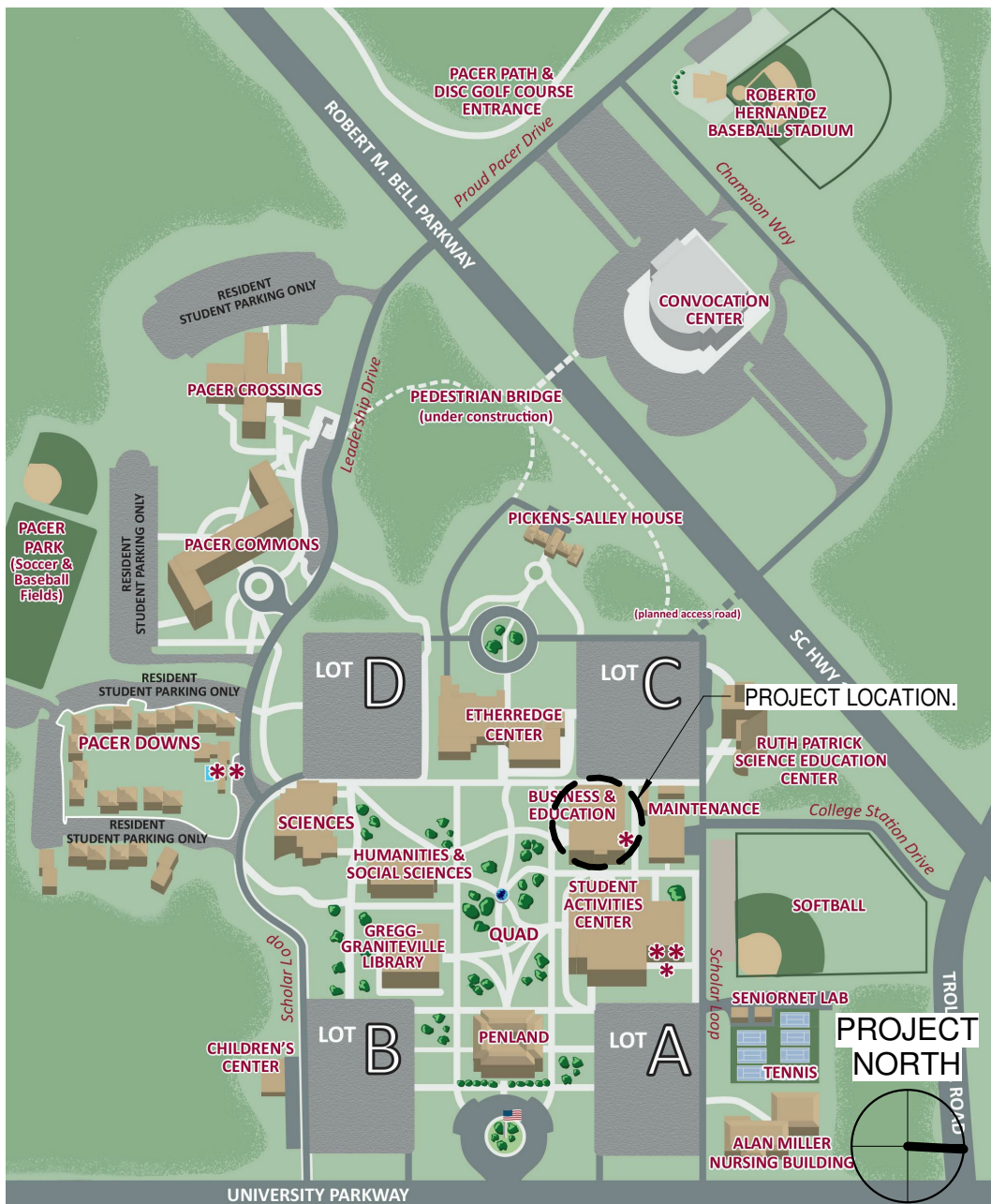
SECOND FLOOR PLAN



FIRST FLOOR PLAN

1
G0.01
3/8" = 1'-0"

KEY PLANS



SITE MAP
NTS



VICINITY MAP
NTS

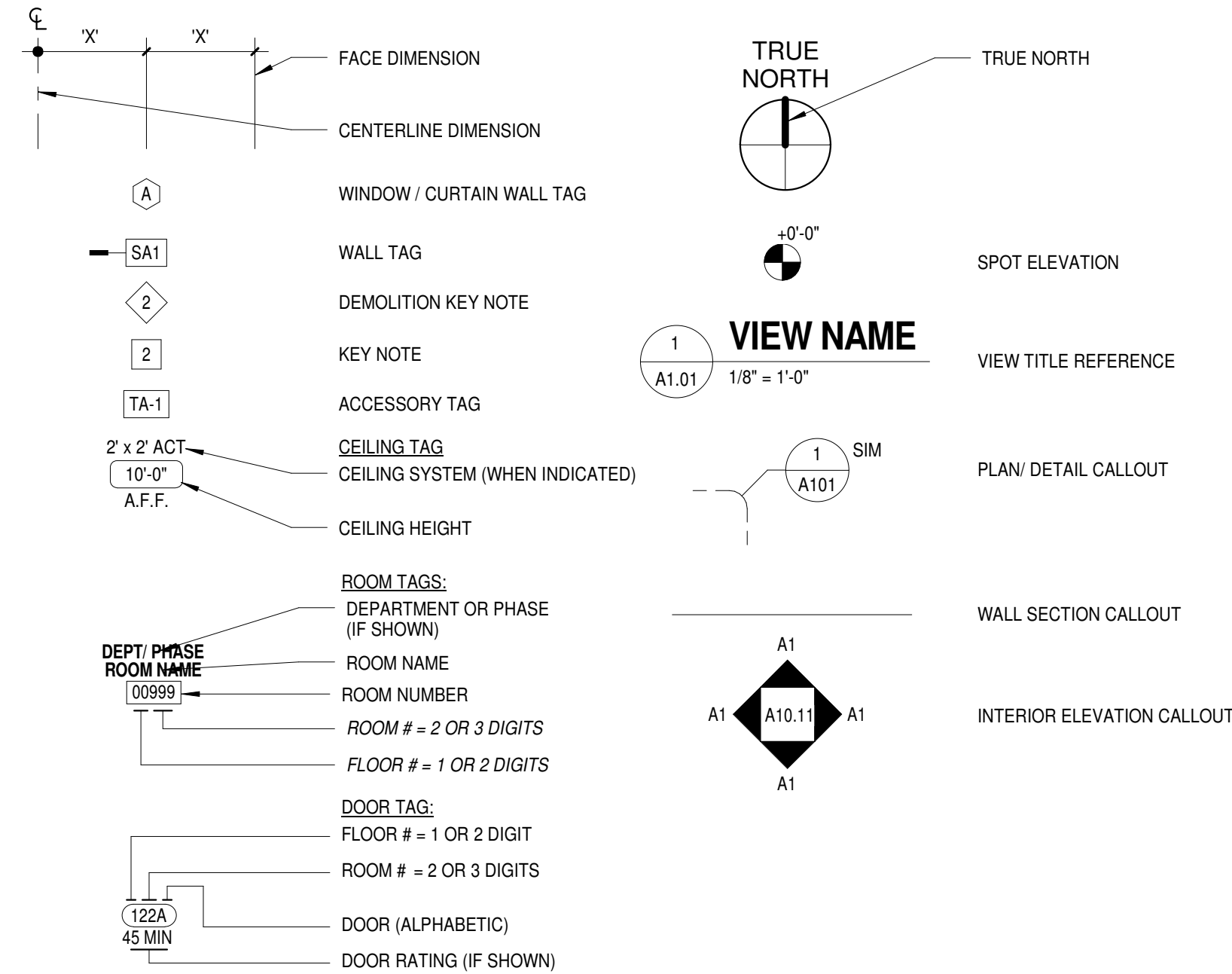
ABBREVIATIONS

| | | | |
|-------|---------------------------|-------|------------------------|
| ACT | ACOUSTICAL CEILING TILE | GWB | GYPSON WALL BOARD |
| ADJ | ADJACENT or ADJUSTABLE | HM | HOLLOW METAL |
| AFF | ABOVE FINISHED FLOOR | MECH | MECHANICAL |
| ALUM | ALUMINUM | MIN | MINIMUM |
| BD | BOARD | MISC | MISCELLANEOUS |
| BLDG | BUILDING | NIC | NOT IN CONTRACT |
| CJ | CONTROL JOINT | NLB | NONLOADBEARING |
| CL | CENTER LINE | OC | ON CENTER |
| CLR | CLEAR | P | PAINT |
| CONC | CONCRETE | PERP | PERPENDICULAR |
| COORD | COORDINATE | R | RADIUS |
| CORR | CORRIDOR | REINF | REINFORCE |
| CPT | CARPET | SIM | SIMILAR |
| EQ | EQUAL | SPEC | SPECIFICATION(S) |
| EQUIP | EQUIPMENT | STL | STEEL |
| EXIT | EXISTING | STOR | STORAGE |
| FE | FIRE EXTINGUISHER | TYP | TYPICAL |
| FEC | FIRE EXTINGUISHER CABINET | UNO | UNLESS NOTED OTHERWISE |
| GC | GENERAL CONTRACTOR | VIF | VERIFY IN FIELD |
| GL | GLASS | WO | WOOD |

ABBREVIATION NOTES:

- ABBREVIATIONS LISTED BELOW APPLY TO THE ARCHITECTURAL DRAWINGS ONLY. REFER TO
DRAWINGS BY OTHER TRADES FOR ABBREVIATIONS USED ON OTHER TRADES DRAWINGS.
- REFER TO FINISH SCHEDULE FOR MATERIAL ABBREVIATIONS USED ON THE FINISH SCHEDULE.

STANDARD GRAPHICS AND SYMBOLS



University of South Carolina Aiken

ECONOMICS DEPARTMENT RENOVATIONS

AIKEN, SOUTH CAROLINA

State Project Number H29-I344

| SHEET ISSUE: | NO. | DATE | DESCRIPTION | BY |
|--------------|-----|------------|-------------|----|
| | 1 | 2014-11-24 | | |

2014-11-24

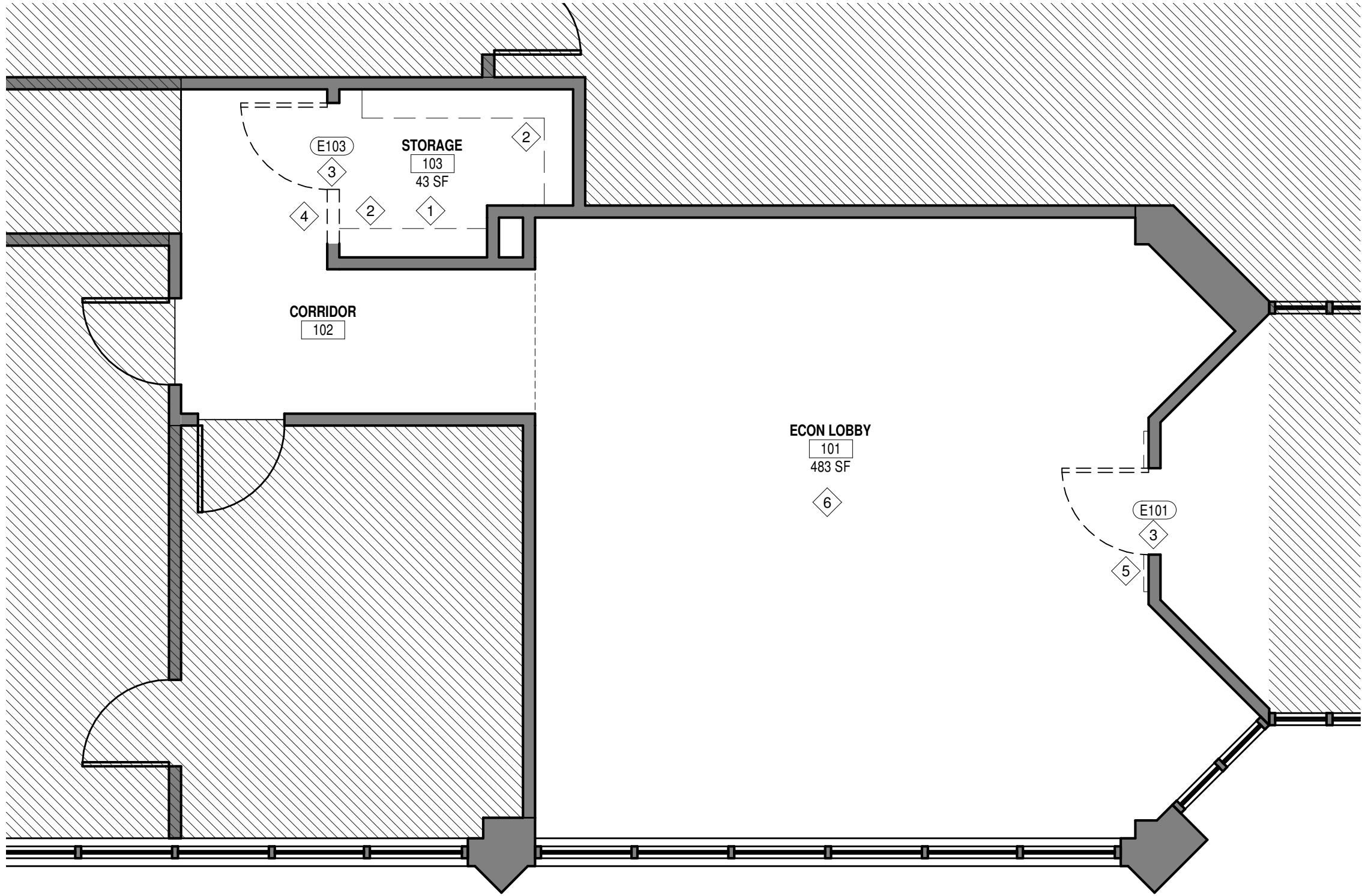
PRINCIPAL IN CHARGE: RDS
PROJECT ARCHITECT: GOS
DRAWN BY: LRW

SHEET TITLE:
COVER SHEET

SHEET NO. PROJ. NO.
14007.01

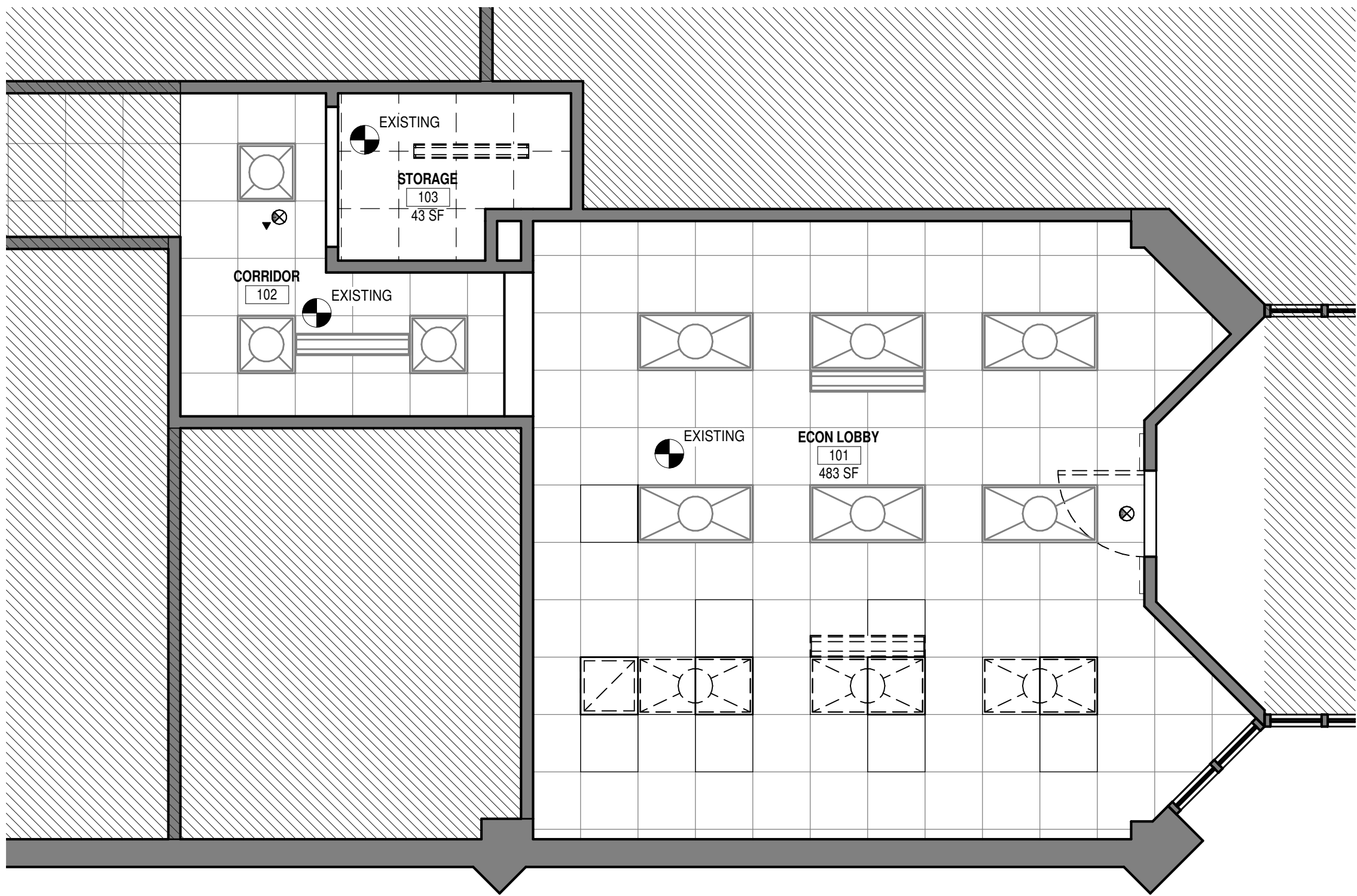
G0.01

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A1.00
1/4" = 1'-0"

DEMOLITION FLOOR PLAN - LOBBY



3
A1.00
1/4" = 1'-0"

DEMOLITION RCP - LOBBY

LOBBY DEMOLITION WALL LEGEND

- EXISTING WALL CONSTRUCTION TO REMAIN.
WALL CONSTRUCTION TO BE DEMOLISHED.

LOBBY DEMOLITION NOTES

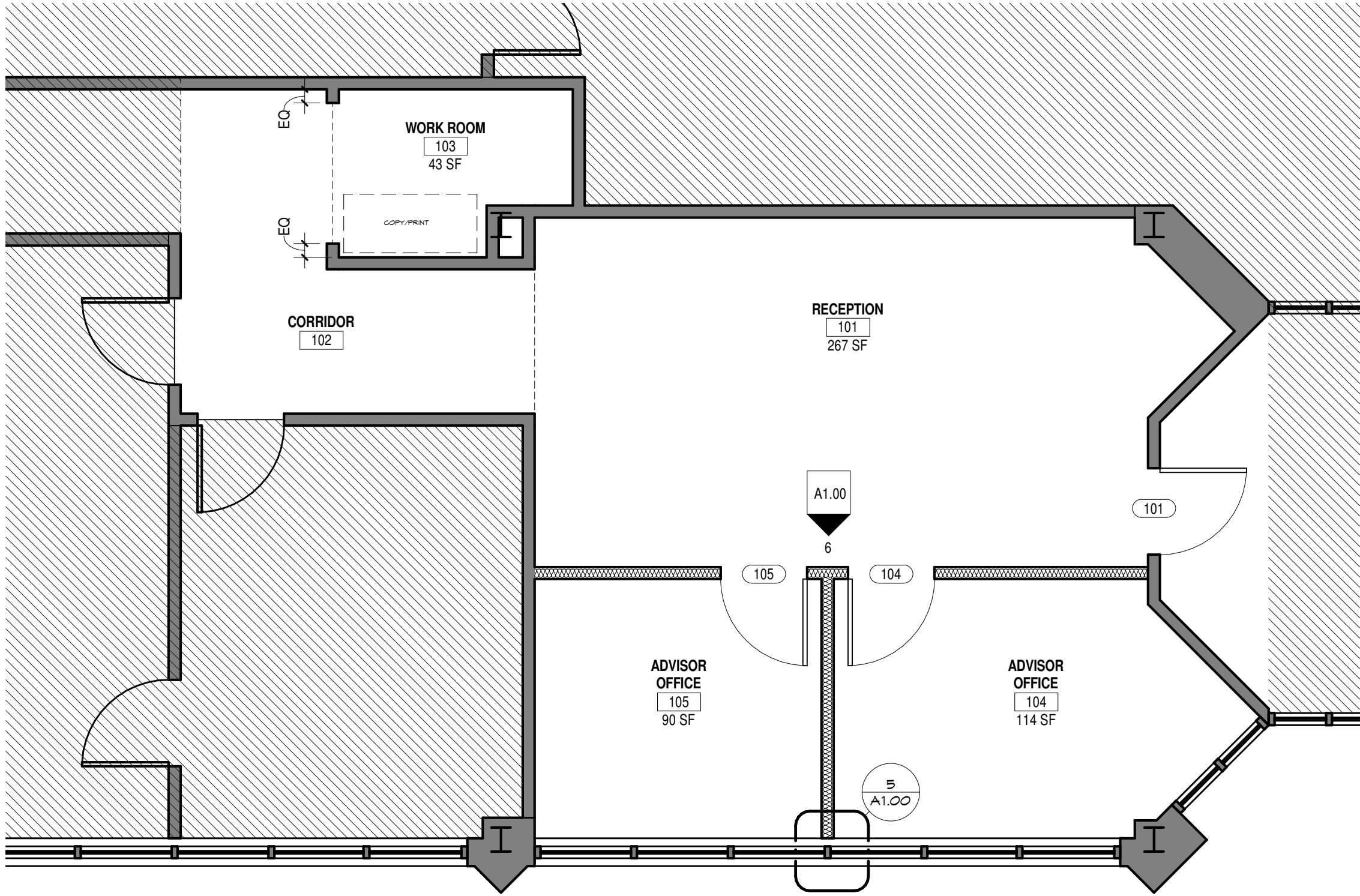
- CEILING TILE AND GRID TO BE DEMOLISHED. CEILING TILE TO BE SALVAGED AND USED IN NEW CONSTRUCTION. EXISTING FLOOR FINISH TO BE REMOVED.
- SHELVING TO BE REMOVED.
- DOOR AND FRAME TO BE REMOVED. RETURN TO THE COLLEGE.
- EXISTING WALL CONSTRUCTION TO BE DEMOLISHED AS REQUIRED FOR NEW CONSTRUCTION.
- WOOD TRIM TO BE REMOVED.
- CEILING TILE AND GRID TO BE MODIFIED AS REQUIRED FOR NEW SCOPE OF WORK. EXISTING FLOOR FINISH TO BE REMOVED.

LOBBY DEMOLITION RCP NOTES

- REFER TO ELECTRICAL DRAWINGS FOR RELOCATED LIGHTING FIXTURES.
- REFER TO MECHANICAL DRAWINGS FOR HVAC SCOPE.

LOBBY DEMOLITION RCP LEGEND

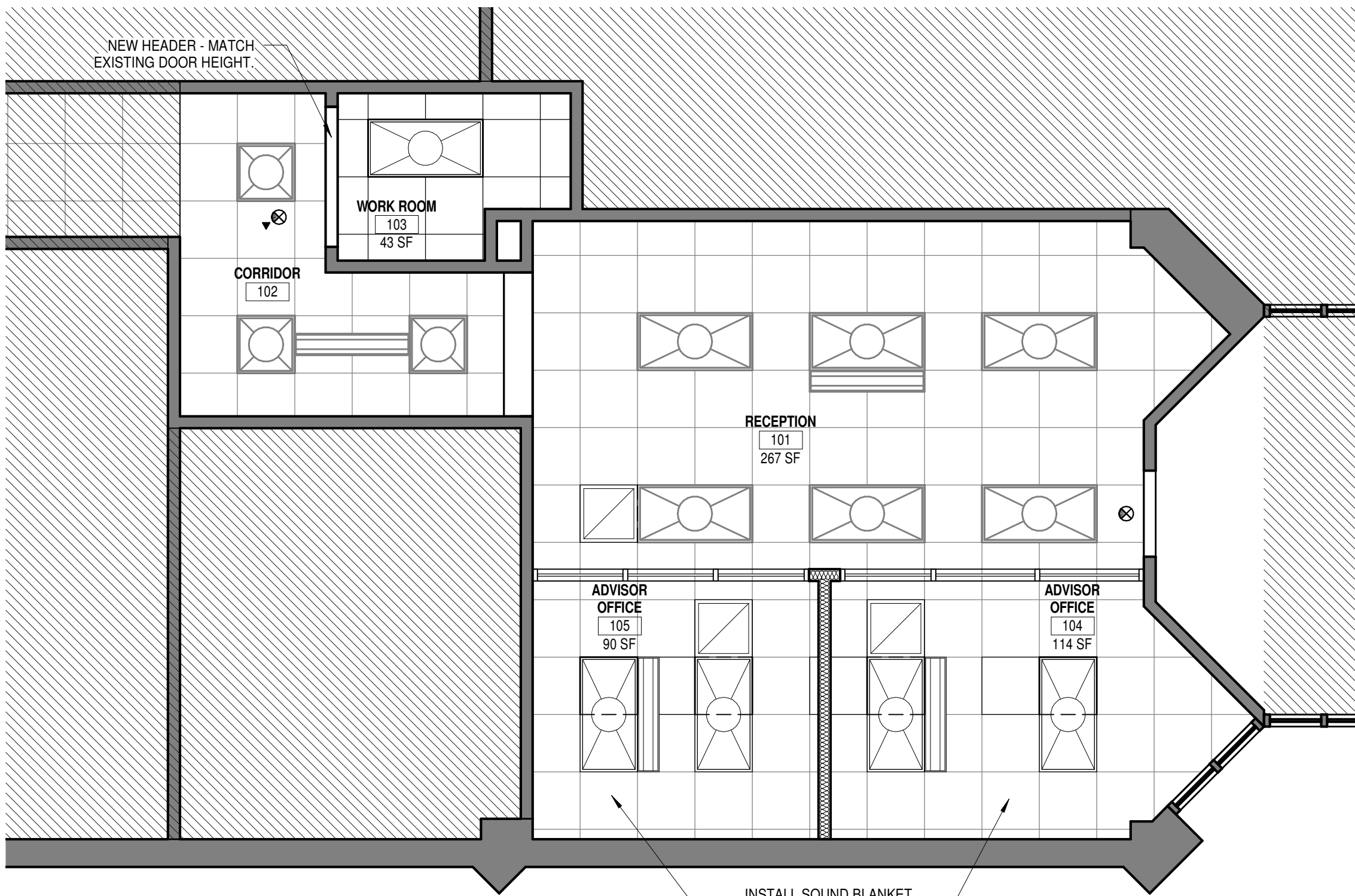
- CEILING TILE AND GRID TO BE DEMOLISHED. CEILING TILE TO BE SALVAGED AND USED IN NEW CONSTRUCTION.
- CEILING TILE AND GRID TO REMAIN.
- EXISTING LIGHTING TO BE RELOCATED.
- EXISTING LIGHTING TO REMAIN.
- EXISTING LIGHTING TO BE REMOVED.
- EXISTING SUPPLY DIFFUSER TO BE RELOCATED.
- EXISTING SUPPLY DIFFUSER TO REMAIN.
- EXISTING RETURN DIFFUSER TO BE RELOCATED.



GENERAL NOTES:
1. REFER TO ROOM FINISH SCHEDULE ON SHEET A1.00 FOR NEW FINISHES IN AREA OF WORK.

2
A1.00
1/4" = 1'-0"

NEW FLOOR PLAN - LOBBY



4
A1.00
1/4" = 1'-0"

NEW RCP - LOBBY

LOBBY NEW WALL LEGEND

- EXISTING WALL CONSTRUCTION TO REMAIN.
- NEW WALL CONSTRUCTION TO MATCH EXISTING ADJACENT WALL CONSTRUCTION. RUN TO EXISTING CEILING GRID AND BRACE AS REQUIRED. INSTALL SOUND BATTS AS INDICATED.

LOBBY NEW RCP LEGEND

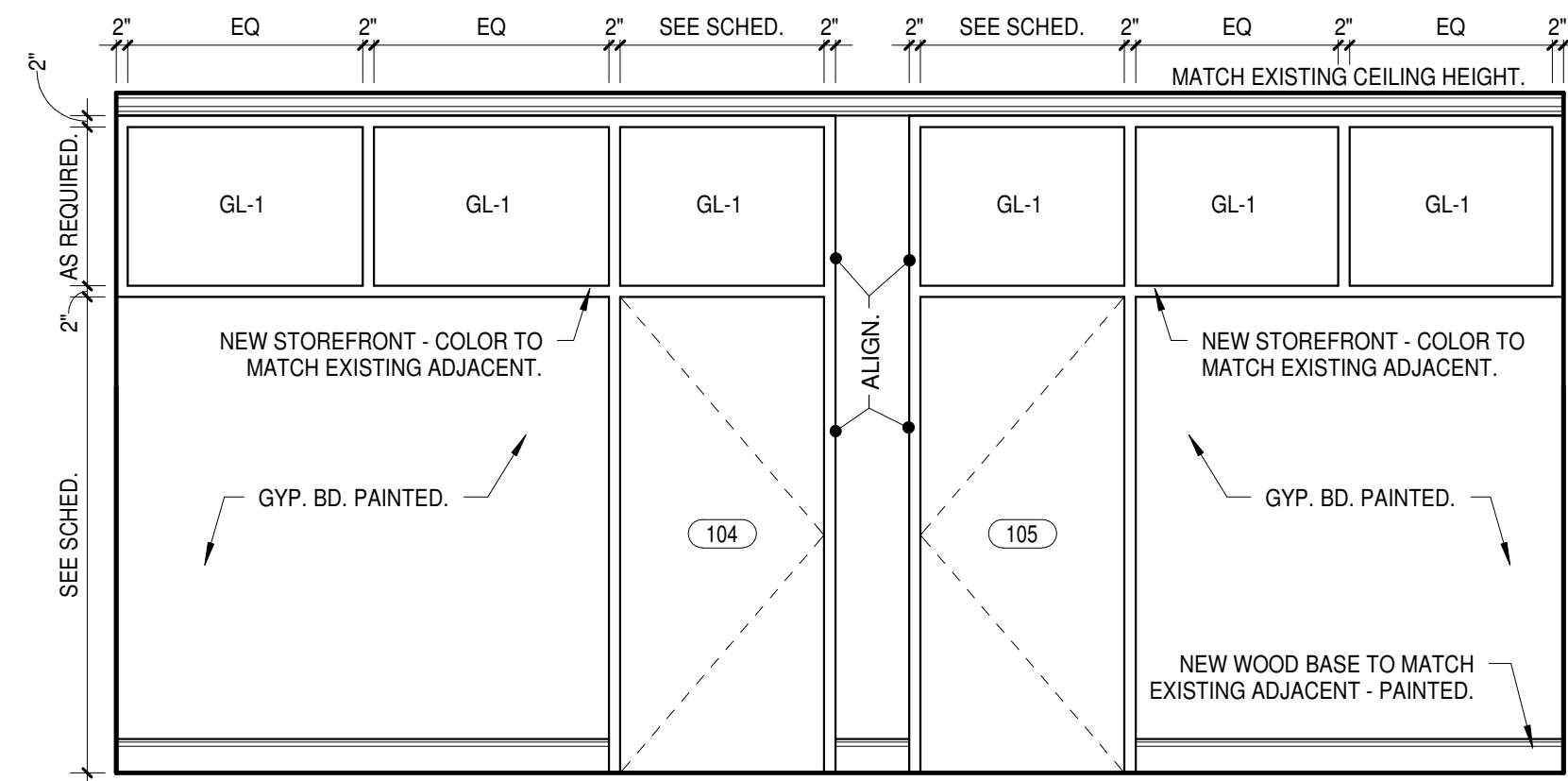
- NEW CEILING TILE AND GRID TO BE INSTALLED. REUSE EXISTING CEILING TILE.
- CEILING TILE AND GRID TO REMAIN AND MODIFIED AS REQUIRED FOR RELOCATED OR NEW ELECTRICAL AND MECHANICAL SCOPE OF WORK.
- EXISTING LIGHTING - RELOCATED. REFER TO ELECTRICAL DRAWINGS.
- EXISTING LIGHTING TO REMAIN.
- NEW OR RELOCATED SUPPLY DIFFUSER. REFER TO MECHANICAL DRAWINGS.
- EXISTING SUPPLY DIFFUSER TO REMAIN.
- NEW OR RELOCATED RETURN DIFFUSER. REFER TO MECHANICAL DRAWINGS.

ROOM FINISH SCHEDULE NOTES

- CPT-1 CARPET TILE TO BE LEES MOTORSPORT DK943 PHOTOFINISH MODULAR SPA-128.
CPT-2 CARPET TILE TO BE LEES MOTORSPORT DK953 HORSEPOWER MODULAR SPA-128.
P-1 FIELD PAINT - COLOR AS SELECTED BY OWNER.
P-T CROWN MOULDING TO MATCH EXISTING - PAINTED - COLOR AS SELECTED BY OWNER.
RB-1 RUBBER BASE TO MATCH EXISTING - COLOR AS SELECTED BY OWNER.
WDB-1 WOOD BASE TO MATCH EXISTING - PAINTED - COLOR AS SELECTED BY OWNER.

DOOR SCHEDULE NOTES

- ALL HARDWARE STYLES AND FUNCTIONS TO MATCH EXISTING. COORDINATE WITH OWNER.
- PAINT EXISTING WALL COVERING.



6
A1.00
3/8" = 1'-0"

RECEPTION - ELEVATION

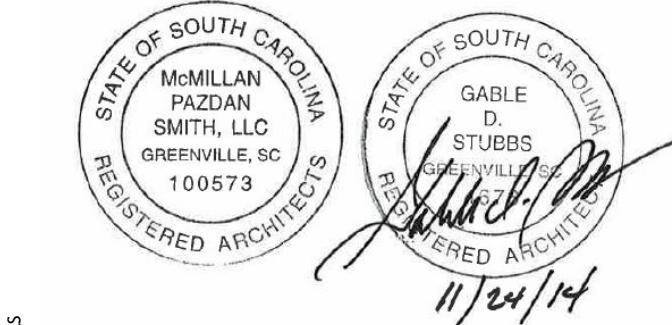
GLAZING NOTES:
1. GL-1: SINGLE GLAZING, CLEAR.

| LOBBY ROOM FINISH SCHEDULE | | | | | | | | | | |
|----------------------------|----------------|--------|------------|-------|-------|------|------|--------|---------|--|
| ROOM NO | ROOM NAME | FLOOR | | WALL | | | | TRIM | REMARKS | |
| | | FINISH | BASE | NORTH | SOUTH | EAST | WEST | FINISH | | |
| | | | | | | | | | | |
| First Floor | | | | | | | | | | |
| 101 | RECEPTION | CPT-1 | WDB-1 | P-1 | P-1 | P-1 | P-1 | P-T | 1,2 | |
| 102 | CORRIDOR | P-1 | WDB-1/RB-1 | P-1 | P-1 | P-1 | P-1 | - | 1,2 | |
| 103 | WORK ROOM | CPT-2 | RB-1 | P-1 | P-1 | P-1 | P-1 | - | 2 | |
| 104 | ADVISOR OFFICE | CPT-1 | WDB-1 | P-1 | P-1 | P-1 | P-1 | P-T | 1,2 | |
| 105 | ADVISOR OFFICE | CPT-1 | WDB-1 | P-1 | P-1 | P-1 | P-1 | P-T | 1,2 | |

- ALL NEW AND EXISTING WOOD BASE AND CROWN MOULDING TO BE PAINTED TO MATCH EXISTING.
- PAINT EXISTING WALL COVERING.

| LOBBY DOOR SCHEDULE | | | | | | |
|---------------------|-----------|--------|-----------|------------------|------------|-------------------------------------|
| DOOR NO. | DOOR SIZE | | DOOR TYPE | DOOR MATERIAL | FRAME MTL | REMARKS |
| | WIDTH | HEIGHT | | | | |
| 101 | 3'-0" | 7'-0" | A | STOREFRONT/GLASS | STOREFRONT | MATCH EXISTING ADJACENT ENTRY DOOR. |
| 104 | 3'-0" | 7'-0" | B | WOOD | STOREFRONT | MATCH EXISTING ADJACENT. |
| 105 | 3'-0" | 7'-0" | B | WOOD | STOREFRONT | MATCH EXISTING ADJACENT. |

CONSULTANT LOGO



SEALS

University of South Carolina Aiken

ECONOMICS DEPARTMENT RENOVATIONS

AIKEN, SOUTH CAROLINA

State Project Number H29-1344

SHEET ISSUE:

| NO. | DATE | DESCRIPTION | BY |
|-----|------------|-------------|----|
| 1 | 2014-11-24 | | |

2014-11-24

PRINCIPAL IN CHARGE:
PROJECT ARCHITECT:
DRAWN BY:

RDS
GDS
LRW

SHEET TITLE:
DEMOLITION & NEW
FLOOR PLANS - LOBBY

SHEET NO.

PROJ. NO.
14007.01

A1.00



== == == == WALL CONSTRUCTION TO BE DEMOLISHED.

- ## DEAN'S SUITE DEMOLITION NOTES

2. REFER TO MECHANICAL DRAWINGS FOR HVAC SCOPE.



DEAN'S SUITE DEMOLITION RCP LEGEND

1. REFER TO ELECTRICAL DRAWINGS FOR RELOCATED LIGHTING FIXTURES.
2. REFER TO MECHANICAL DRAWINGS FOR HVAC SCOPE.



EXISTING WALL CONSTRUCTION TO REMAIN.
INSTALL SOUND BATTS AS INDICATED.

NEW WALL CONSTRUCTION TO MATCH EXISTING
ADJACENT WALL CONSTRUCTION.

- | | |
|---|---|
| | EXISTING WALL CONSTRUCTION TO REMAIN. |
| | EXISTING WALL CONSTRUCTION TO REMAIN. INSTALL SOUND BATTS AS INDICATED. |
|  | NEW WALL CONSTRUCTION TO MATCH EXISTING ADJACENT WALL CONSTRUCTION. |
|  | NEW WALL CONSTRUCTION TO MATCH EXISTING ADJACENT WALL CONSTRUCTION. INSTALL SOUND BATTS AS INDICATED. |

CPT-1 CARPET TILE TO BE LEES MOTORSPORT DK943 PHOTOFINISH MODULAR SPA-128.
P-1 FIELD PAINT - COLOR AS SELECTED BY OWNER.
P-2 METAL DOOR FRAME - PAINT TO MATCH EXISTING.
RB-1 RUBBER BASE TO MATCH EXISTING - COLOR AS SELECTED BY OWNER.
T-1 WOOD CROWN MOULDING TO MATCH EXISTING.
WDR-1 WOOD BASE TO MATCH EXISTING.

GENERAL NOTES

ALL HARDWARE STYLES AND FUNCTIONS TO MATCH EXISTING. COORDINATE WITH OWNER.

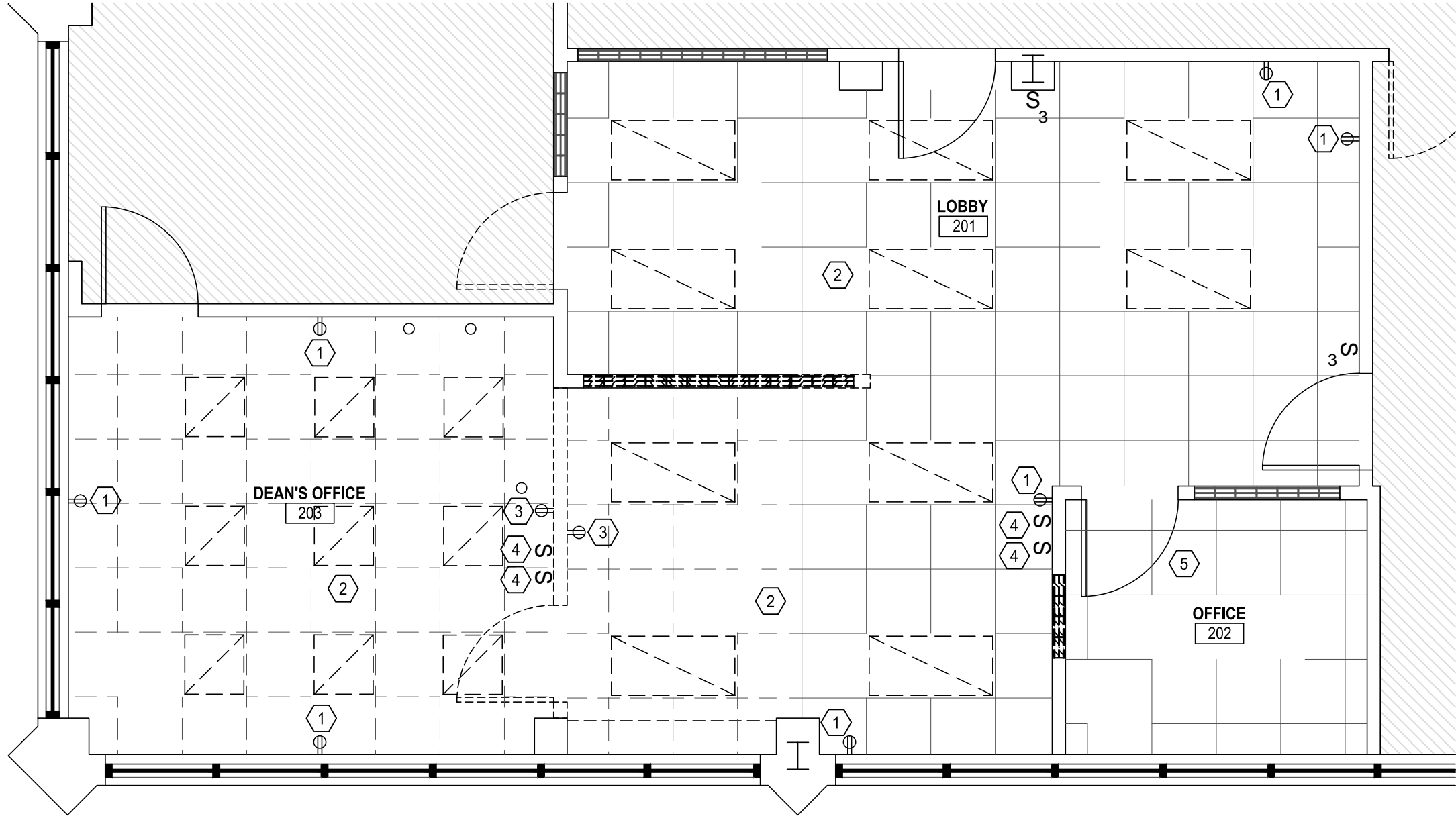
| DEAN'S SUITE DOOR SCHEDULE | | | | | | | |
|-----------------------------------|------------------|---------------|------------------|----------------------|-------------------|------------------|----------------|
| DOOR NO. | DOOR SIZE | | DOOR TYPE | DOOR MATERIAL | FRAME | | REMARKS |
| | WIDTH | HEIGHT | | | FRAME TYPE | FRAME MTL | |
| 201A | EXISTING | EXISTING | EXISTING | EXISTING | - | 1 | |
| 201B | EXISTING | EXISTING | EXISTING | EXISTING | P-2 | 1 | |
| 201C | EXISTING | EXISTING | EXISTING | EXISTING | P-2 | 1 | |
| 202 | EXISTING | EXISTING | EXISTING | EXISTING | P-2 | 1 | |
| 203A | EXISTING | EXISTING | EXISTING | EXISTING | P-2 | 2 | |
| 203B | EXISTING | EXISTING | EXISTING | EXISTING | P-2 | 1 | |



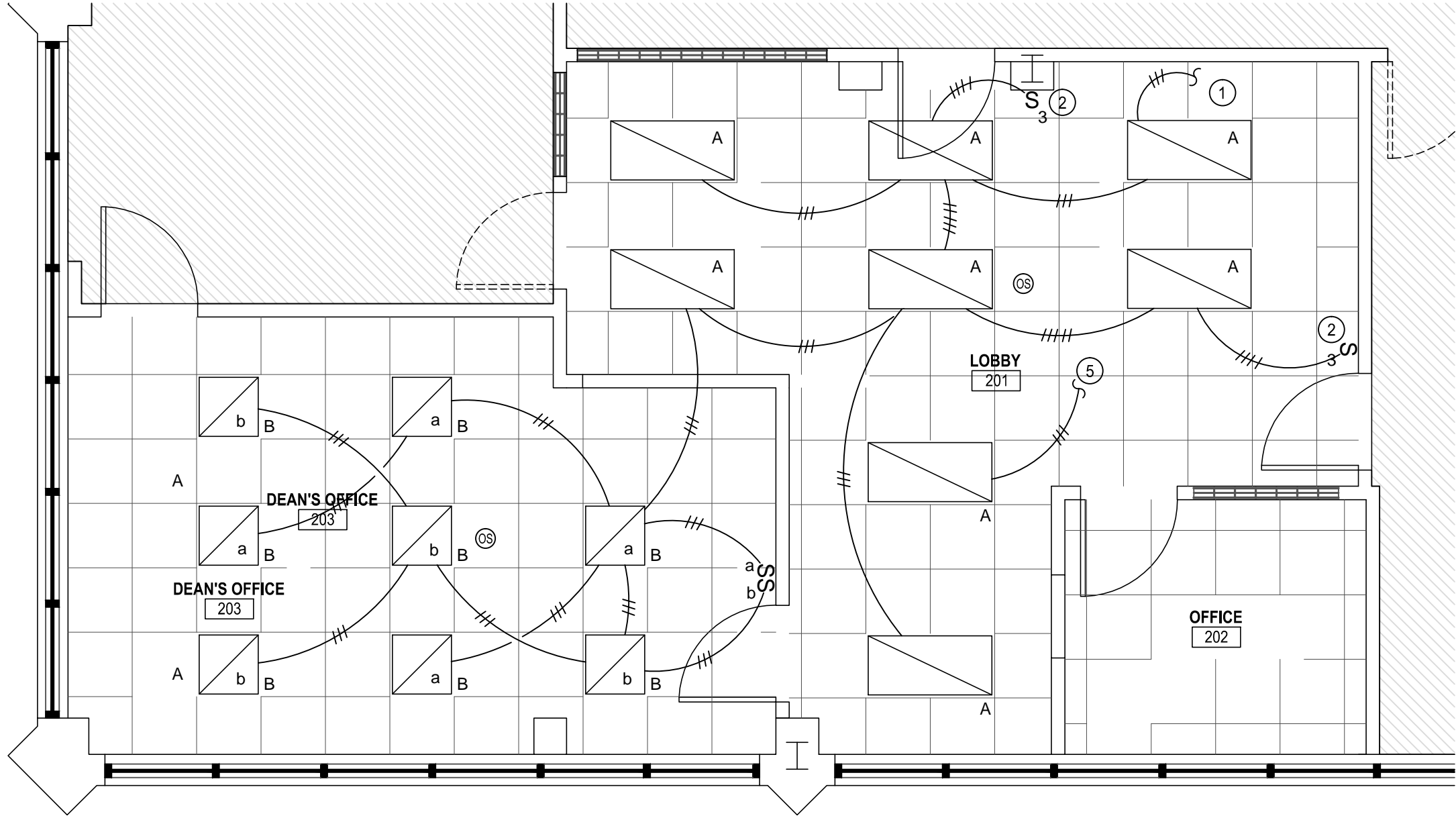
HVAC CONSTRUCTION NOTES - DEAN'S SUITE

- ① - BALANCE EXISTING SLOT DIFFUSER TO SPECIFIED CFM.
- ② - RELOCATED THERMOSTAT.

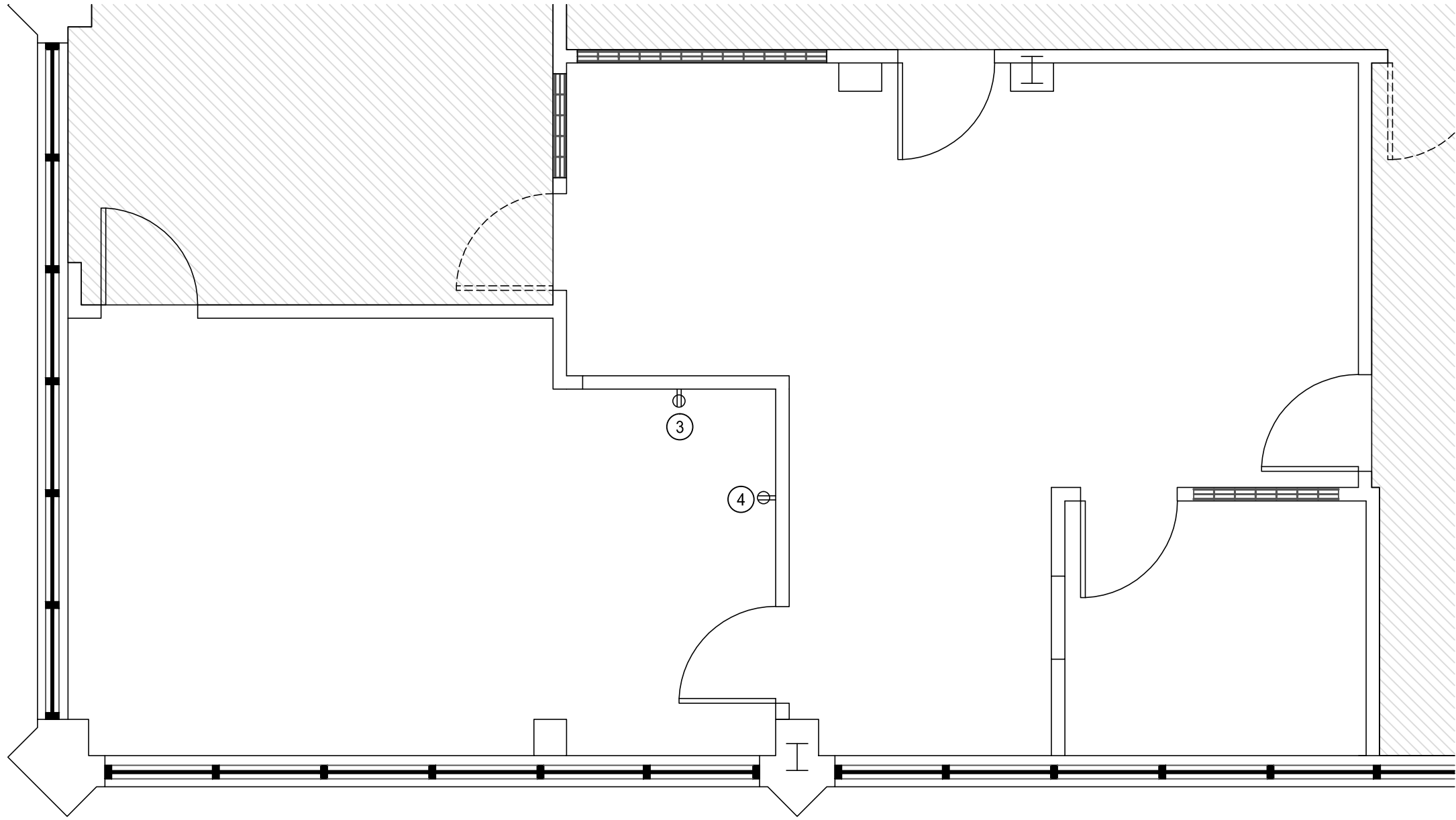
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1 DEMOLITION ELECTRICAL PLAN - DEAN'S SUITE
E2.00 SCALE: 1/4"=1'-0"



2 NEW LIGHTING PLAN - DEAN'S SUITE
E2.00 SCALE: 1/4"=1'-0"



3 NEW POWER PLAN - DEAN'S SUITE
E2.00 SCALE: 1/4"=1'-0"

SPECIFICATIONS

GENERAL - ALL WORK SHALL CONFORM TO THE NATIONAL ELECTRICAL CODE (NFPA 70-2011) AND ALL APPLICABLE STATE AND LOCAL CODES. ALL MATERIALS SHALL BE NEW AND UL LISTED/LABELED AS APPROPRIATE. FINAL LOCATIONS FOR ROUGH-INS SHALL BE VERIFIED WITH ACTUAL EQUIPMENT BEING CONNECTED. SUPPORT AND ATTACH ELECTRICAL EQUIPMENT IN ACCORDANCE WITH SEISMIC CONDITIONS AS DETERMINED BY THE STRUCTURAL ENGINEER/BUILDING DESIGNER AND THE INTERNATIONAL BUILDING CODE 2006. AFTER COMPLETING INSTALLATION, REMOVE BURRS, DIRT, AND CONSTRUCTION DEBRIS FROM ALL ELECTRICAL WORK.

CONDUCTORS - INSULATION SHALL COMPLY WITH NEMA WC 5. CONDUCTORS #8 AWG AND LARGER SHALL BE CONCENTRIC STRANDED. CONDUCTORS #10 AND SMALLER SHALL BE SOLID.

TYPE AND INSULATION (SERVICE): COPPER, TYPE THWN
TYPE AND INSULATION (FEEDER): COPPER, TYPE THHN/THWN
TYPE AND INSULATION (BRANCH): COPPER, TYPE THHN/THWN
COPPER, TYPE MC

COLOR CODING (480/277 V, 3Ø): A-YELLOW, B-BROWN, C-ORANGE, N-WHITE, G-GREEN
COLOR CODING (208/120 V, 3Ø): A-BLACK, B-RED, C-BLUE, N-WHITE, G-GREEN
COLOR CODING (120/240 V, 1Ø): A-BLACK, B-RED, N-WHITE, G-GREEN

RACEWAYS - CONDUIT BODIES AND FITTINGS FOR RIGID METAL CONDUIT SHALL BE CAST THREADED TYPE. CONDUIT FITTINGS FOR ELECTRICAL METALLIC TUBING SHALL BE COMPRESSION TYPE. INSTALL 200 lb NYLON PULL CORD IN ALL EMPTY RACEWAYS FOR FUTURE USE. APPLY FIRESTOPPING TO ELECTRICAL PENETRATIONS OF FIRE-RATED FLOOR AND WALL ASSEMBLIES TO RESTORE ORIGINAL FIRE-RESISTANCE RATING OF ASSEMBLY.

OUTDOORS EXPOSED: RIGID GALVANIZED STEEL CONFORMING TO ANSI C80.5
OUTDOORS UNDERGROUND: RIGID NONMETALLIC CONDUIT (SCHEDULE 40 PVC) CONFORMING TO NEMA TC 2
OUTDOORS CONNECTED TO VIBRATING OR MOTORIZED EQUIPMENT: LIQUIDTIGHT FLEXIBLE METAL CONDUIT CONFORMING TO UL 300
INDOORS CONCEALED: ELECTRICAL METALLIC TUBING CONFORMING TO ANSI C80.3
INDOORS EXPOSED: ELECTRICAL METALLIC TUBING CONFORMING TO ANSI C80.3
INDOORS CONNECTED TO VIBRATING OR MOTORIZED EQUIPMENT: FLEXIBLE METALLIC CONDUIT CONFORMING TO UL 1

OUTLET BOXES - BOXES SHALL COMPLY WITH NEMA OS 1 AND SHALL BE SHEET METAL TYPE WITH PLASTER RING IN DRY LOCATIONS. BOXES SHALL COMPLY WITH NEMA FB 1 AND SHALL BE CAST METAL TYPE FD WITH GASKETED COVER IN DAMP OR WET LOCATIONS.

PULL AND JUNCTION BOXES - BOXES SHALL BE HOT-DIPPED GALVANIZED STEEL. BOX COVERS SHALL BE GASKETED TYPE WITH SCREWED OR BOLTED FASTENERS.

WIRING DEVICES - DEVICES SHALL COMPLY WITH NEMA WD 1 AND WD 6. DEVICES SHALL BE COMMERCIAL SPECIFICATION GRADE OR BETTER. ALL DEVICES SHALL BE OF THE GROUNDING TYPE. DEVICES SHALL BE MOUNTED FLUSH WITH THE LONG DIMENSION VERTICAL AND GROUNDING TERMINAL OF RECEPTACLES ON TOP. SWITCHES SHALL BE QUIET TYPE, RATED 20 AMPERES AT 120/277 VOLTS. GROUND FAULT CIRCUIT INTERRUPTERS SHALL BE FEED-THROUGH TYPE. WEATHERPROOF COVERS SHALL BE PROVIDED IN DAMP OR WET LOCATIONS. PROGRAM OCCUPANCY SENSORS FOR FIFTEEN MINUTES WITH MEDIUM SENSITIVITY. TRAIN OWNER HOW TO ADJUST TIME AND SENSITIVITY.

DEVICE COLOR: IVORY, UNLESS OTHERWISE INDICATED
DEVICE COVER: SMOOTH PLASTIC WITH COLOR TO MATCH DEVICE COLOR

ELECTRICAL IDENTIFICATION - IN ADDITION TO CODE-REQUIRED LABELING, ALL PANELBOARDS, ELECTRICAL ENCLOSURES, TRANSFORMERS, AND DISCONNECT SWITCHES SHALL BE IDENTIFIED WITH AN ENGRAVED PLASTIC LAMINATED NAMEPLATE. LETTERING SHALL BE 1/2" INCHES HIGH AND SHALL BE WHITE ON A BLACK BACKGROUND. NAMEPLATES SHALL BE ATTACHED TO EQUIPMENT WITH STAINLESS STEEL SELF-TAPPING SCREWS.

GROUNDING - GROUNDING AND BONDING COMPONENTS SHALL COMPLY WITH UL 467. AN INSULATED EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED WITH CIRCUIT CONDUCTORS FOR ALL FEEDER AND BRANCH CIRCUITS. EXOTHERMIC-WELDED CONNECTIONS SHALL BE USED FOR ATTACHMENT TO STRUCTURAL STEEL AND UNDERGROUND CONNECTIONS. GROUNDING ELECTRODES SHALL BE 3/4" x 10' COPPERWELD TYPE.

TRANSFORMERS - TRANSFORMERS SHALL COMPLY WITH NEMA ST 20 AND UL 1561. ENCLOSURES SHALL BE INDOOR VENTILATED TYPE. TRANSFORMERS SHALL HAVE AN INSULATION CLASS OF 220 DEGREES C. THE RATED TEMPERATURE RISE SHALL BE 150 DEGREES C. MAXIMUM RISE OVER A 40 DEGREE C. AMBIENT.

INTERIOR LIGHTING - FIXTURE MOUNTING HARDWARE AND TRIM SHALL BE COORDINATED WITH THE CEILING SYSTEM. RECESSED FIXTURES SHALL BE SUPPORTED FROM THE BUILDING STRUCTURAL SYSTEM. FLUORESCENT FIXTURE BALLASTS SHALL BE CBM LABELED, CLASS P, SOUND RATING "A", ELECTRONIC, HIGH POWER FACTOR TYPE.

FIRE ALARM SYSTEM - SYSTEM COMPONENTS AND INSTALLATION SHALL CONFORM TO THE NATIONAL FIRE ALARM CODE (NFPA 72-2002). ALL EXPOSED WIRING SHALL BE INSTALLED IN METALLIC RACEWAY. ALL CONCEALED WIRING SHALL BE INSTALLED IN METALLIC RACEWAY STUBBED ABOVE ACCESSIBLE CEILING.

VOICE AND DATA SYSTEMS - SYSTEM COMPONENTS AND INSTALLATION SHALL CONFORM TO EIA/TIA 568-B AND 569-A. MAIN DISTRIBUTION FRAME, INTERMEDIATE DISTRIBUTION FRAME, AND CROSS-CONNECT RACKS SHALL BE WALL MOUNTED TYPE WITH "60" OR "110" STYLE TERMINALS. WORKSTATION JACKS SHALL BE TYPE RJ-45.

HORIZONTAL CABLE (VOICE): 4-PAIR CATEGORY 5E UNSHIELDED TWISTED PAIR
HORIZONTAL CABLE (DATA): 4-PAIR CATEGORY 5E UNSHIELDED TWISTED PAIR
BACKBONE CABLE (VOICE): 25-PAIR CATEGORY 5E UNSHIELDED TWISTED PAIR
BACKBONE CABLE (DATA): 25-PAIR CATEGORY 5E UNSHIELDED TWISTED PAIR

VOICE AND DATA SYSTEMS - PROVIDE EMPTY INFRASTRUCTURE ONLY. INSTALL BLANK FACEPLATES FOR OUTLETS. USE A CONDUIT BUSHING OR INSULATED FITTING TO TERMINATE STUB-UPS.