

Site Security Upgrade, Site Wide Phase II

Missouri School for the Deaf

Fulton, Missouri



OWNER: STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR

DEPARTMENT OF ELEMENTARY
AND SECONDARY EDUCATION-
SPECIAL EDUCATION

PROJECT
MANAGEMENT: OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION

DESIGNER: MIDWEST ENGINEERING AND DESIGN

PROJECT NUMBER: E1617-02

SITE NUMBER: 2490
FACILITY NUMBER: 31001 ADMINISTRATION BUILDING/
WHEELER HALL
31002 HARRISON GYMNASIUM & INGLE
AUDITORIUM
31004 MCKEE HALL/ EAGLES NEST/
KERR & TATE DORMITORIES
31009 STARK SCHOOL/HEALTH CENTER
31011 CENTRAL SUPPLY BUILDING
31013 COATS VOCATIONAL SCHOOL
31014 POWERHOUSE/MAINTENANCE
31015 RESOURCE CENTER/ STUDENT
SERVICES BUILDING
31016 SHIPMAN BUILDING
31033 GANNON HOUSE
31034 REDDEN HOUSE
31035 REID HOUSE

SHEET NUMBER:

G-001

1 OF 34 SHEETS
FEB. 19, 2024

GENERAL DEMOLITION NOTES

- 1 ALL DRAWINGS ARE FROM FIELD TAKE-OFF AND ORIGINAL DRAWINGS. CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY PRIOR TO BIDDING AND/OR CONSTRUCTION.
- 2 COORDINATE WITH EXISTING SYSTEMS WHICH SHALL REMAIN IN OPERATION DURING DEMOLITION AND CONSTRUCTION PHASES.
- 3 ALERT THE OWNER PRIOR TO DISRUPTING NORMAL OCCUPANT ACTIVITIES AT THE SITE FROM DEMOLITION/CONSTRUCTION ACTIVITIES AT LEAST 5 DAYS IN ADVANCE OF THE WORK.
- 4 ENSURE DEBRIS IS REMOVED FROM THE CONSTRUCTION AND DEMOLITION AREA DAILY AND AIR BORN DEBRIS IS NOT ALLOWED TO TRAVEL TO THE REMAINDER OF THE BUILDING.
- 5 CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND DISPOSAL OF DEMOLISHED MATERIAL.

GENERAL CONSTRUCTION NOTES

- 1 ALL EXPOSED LINE VOLTAGE WIRING SHALL BE PULLED IN PROPERLY SIZED CONDUIT (EMT) WITH APPROVED FITTINGS. ALL WIRE IS TO BE COPPER. ALL CONDUIT IS TO BE RUN NEATLY AND PARALLEL TO BUILDING LINES. INSTALL PULL BOXES ON ANY RUNS THAT REQUIRE MORE THAN 360° WORTH OF BENDS. USE OF MC CABLE IN CONCEALED AREAS OF BUILDING IS ALLOWED AND MUST BE SUPPORTED PER NEC REQUIREMENTS.
- 2 ALL LINE VOLTAGE WIRE SHALL BE TYPE THHN OR THWN, #12 COPPER OR LARGER, UNLESS OTHERWISE NOTED. ANY 20A LOADS FED FURTHER THAN 55' SHALL BE INCREASED TO A #10 COPPER CONDUCTOR. LOW VOLTAGE WIRING IS NOT SHOWN ON THESE PLANS, BUT CONTRACTOR IS STILL RESPONSIBLE FOR INSTALLING LOW VOLTAGE WIRING. COORDINATE WITH THE TECHNICAL SHEETS WHEN INSTALLING.
- 3 ALL WORK SHALL BE DONE IN STRICT CONFORMANCE WITH THE LOCAL BUILDING CODES AND REGULATIONS AND CURRENT NEC.
- 4 A GREEN INSULATED GROUNDING CONDUCTOR SHALL BE INSTALLED TO ALL ELECTRICAL DEVICES AND SOLIDLY CONNECTED TO THE METAL FRAME OF THE DEVICE.
- 5 ELC (ELECTRICAL CONTRACTOR) SHALL PROVIDE THE ENGINEER AND ARCHITECT WITH FINAL REDLINE DRAWINGS THAT INDICATE AS BUILT CONDITION.
- 6 AT ALL FIRE BARRIERS, PROVIDE NEW PENETRATIONS WITHIN EXISTING WALL AND FLOOR ASSEMBLIES AS REQUIRED FOR THE INSTALLATION OF NEW CONDUIT OR CABLES THAT ARE PART OF THIS WORK. PROVIDE FIRE RATED CAULK TO SEAL ALL NEW PENETRATIONS. PROVIDE NEW FIRE RATED SLEEVES WHERE LOW VOLTAGE CABLES EXTEND THROUGH EXISTING WALL ASSEMBLIES.
- 7 IF AN EXISTING DOOR OR DOOR SCHEDULED TO BE REPLACED IS TO BE SUPPLIED WITH A NEW ADA OPENER, YET DOES NOT HAVE POWER ABOVE THE CEILING, THEN THE CONTRACTOR IS TO PROVIDE A NEW 120V CIRCUIT. CONTRACTOR SHOULD RUN (1) 20A, 120V CIRCUIT FROM NEAREST AVAILABLE ELECTRICAL CIRCUIT TO A NEW JUNCTION BOX ABOVE THE DOOR. SUPPLY NEW LOW VOLTAGE TRANSFORMERS, WIRE, AND CONDUIT AS NEEDED AND CALLED OUT IN CONTROL DETAILS FOR POWER ASSIST DOORS. CONTRACTOR SHOULD ACCOUNT FOR SUPPLYING UP TO 3 NEW 120V CIRCUIT FOR EXISTING DOORS.
- 8 ALL CAMERAS SHOULD BE PROGRAMMED TO RECORD CONTINUOUSLY.
- 9 USE EXISTING CONDUIT SLEEVES THROUGH EXISTING WALLS AND FLOORS IF AVAILABLE. IF NO SLEEVE IS AVAILABLE, CONTRACTOR IS RESPONSIBLE FOR PROVIDING NEW PENETRATIONS WITHIN EXISTING WALLS AND FLOORS AS REQUIRED FOR INSTALLATION.

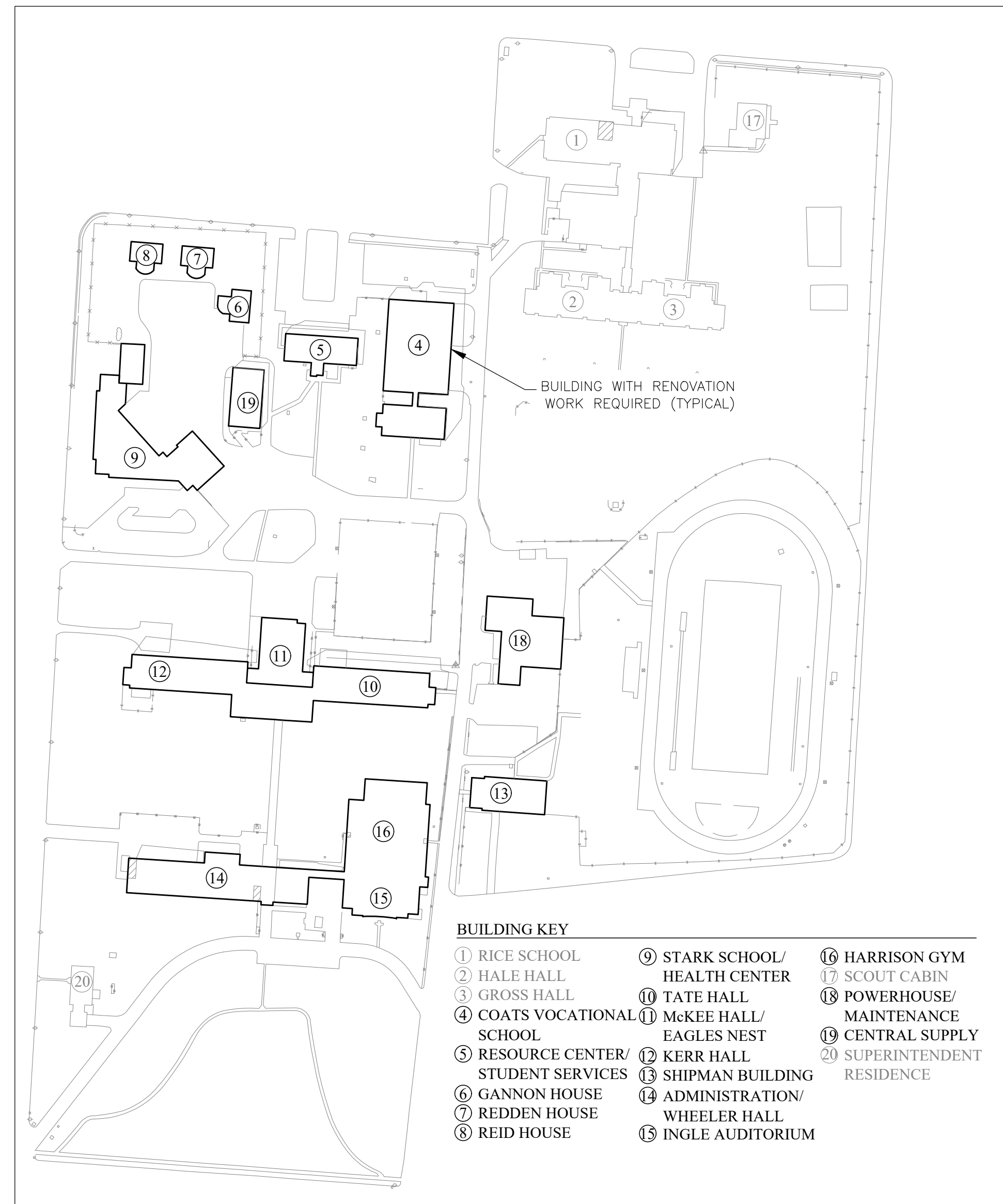
DRAWING INDEX

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- A-102 - ARCHITECTURAL PLAN - BUILDING 15 & 16
- A-103 - ARCHITECTURAL PLAN - BUILDING 10, 11, & 12 GROUND FLOOR
- A-104 - ARCHITECTURAL PLAN - BUILDING 10, 11, & 12 FIRST FLOOR
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- E-106 - ELECTRICAL PLAN - BUILDING 9
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- E-108 - ELECTRICAL PLAN - BUILDING 18
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- E-110 - ELECTRICAL PLAN - BUILDING 13
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- E-501 - ELECTRICAL PLAN - DOOR DETAILS
- E-502 - ELECTRICAL PLAN - CAMERA RISER DIAGRAMS
- E-601 - ELECTRICAL PLAN - CAMERA SCHEDULES

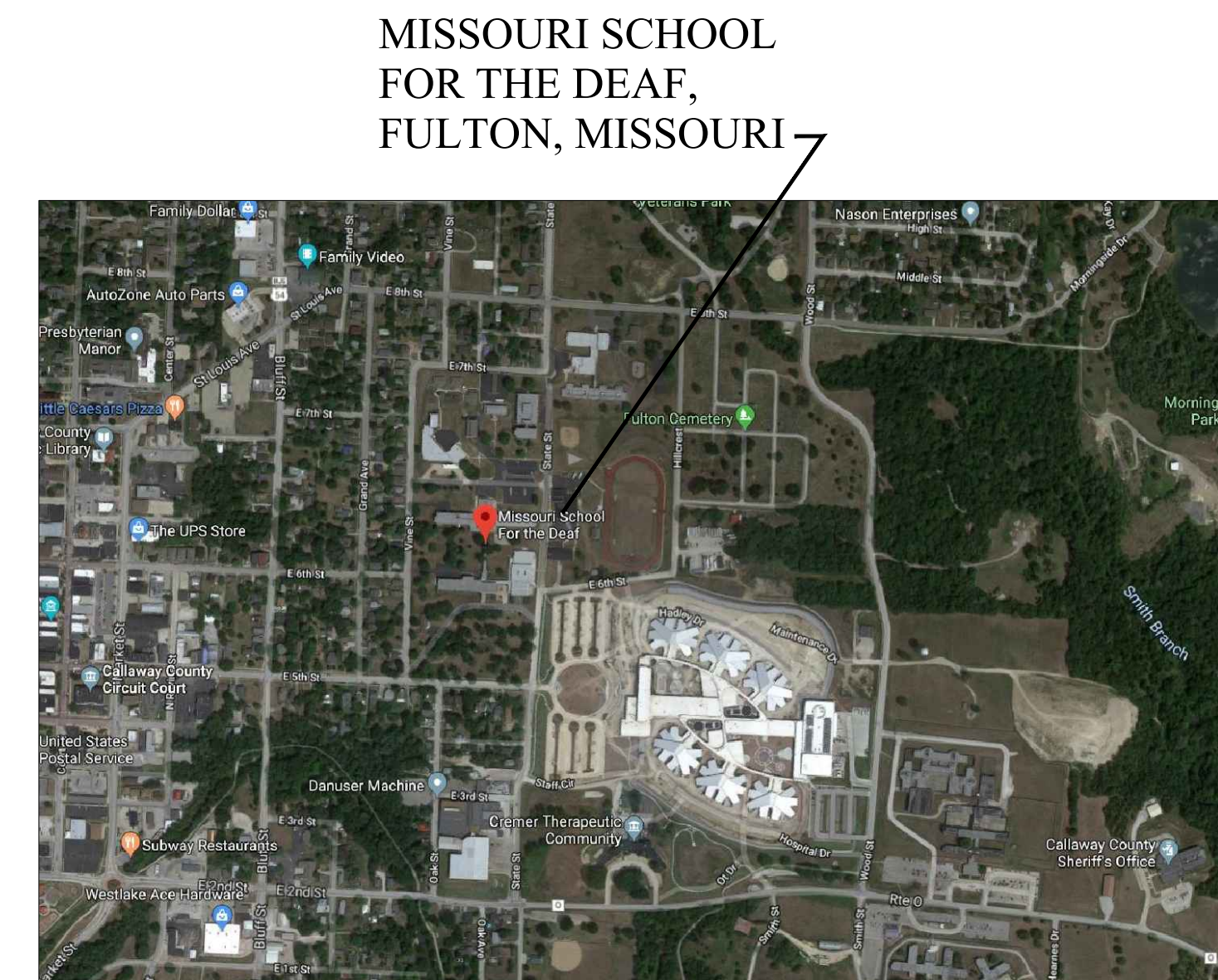
- T-100 - TECHNOLOGY PLAN - TECHNOLOGY SITE PLAN
- T-101 - TECHNOLOGY PLAN - BUILDING 14, 15, & 16
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1 CAMPUS BUILDING MAP NO SCALE

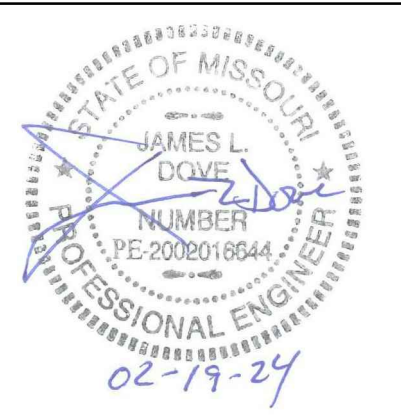


2 STATE OF MISSOURI PROJECT SITE LOCATION MAP NO SCALE



3 BUILDING LOCATION MAP NO SCALE

STATE OF MISSOURI
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OFFICE OF ADMINISTRATION
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MISSOURI DEPARTMENT
OF ELEMENTARY AND
SECONDARY EDUCATION

SITE SECURITY UPGRADE,
SITE WIDE PHASE II

MISSOURI SCHOOL FOR THE
DEAF

FULTON, MISSOURI

PROJECT # E1617-02
SITE# 2490
ASSET# MULTIPLE

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 02/19/2024

CAD DWG FILE: MSD-g.dwg
DRAWN BY: JJS
CHECKED BY: JLD
DESIGNED BY: JLD

SHEET TITLE:
**GENERAL NOTES,
DRAWING INDEX,
& SITE MAP**

SHEET NUMBER:

G-002

2 OF 34 SHEETS
02/19/2024

GENERAL CONSTRUCTION NOTES

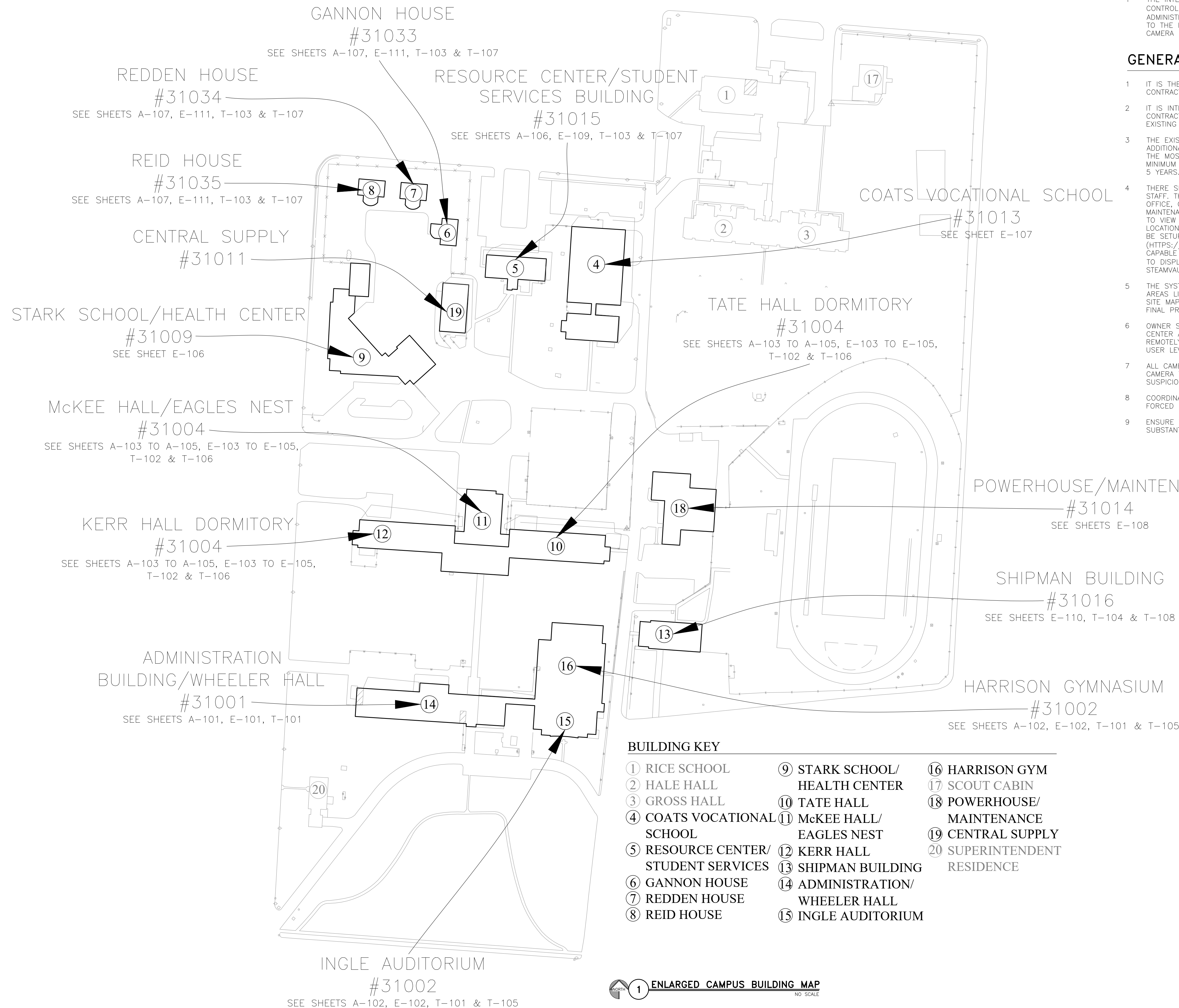
1 THE SITE MAP BELOW LISTS THE BUILDINGS INVOLVED IN THE RENOVATION AND THE MAIN SHEETS THAT APPLY TO EACH BUILDING. SHEETS A-200, E-501, E-502, E-601, & T-100 SHOW DETAILS AND SCHEDULES WHICH ARE COMMON TO THE ENTIRE SET OF DRAWINGS.

GENERAL INTERCOM NOTES

1 THE INTERCOM SYSTEM SHALL BE AN INTEGRAL PART OF THE SECURITY SYSTEM SOFTWARE AND ACCESS CONTROL. ALL EXTERIOR BUILDING INTERCOMS SHALL BE PROGRAMMED TO CALL THAT BUILDING'S ADMINISTRATIVE OFFICE FIRST. IF UNANSWERED AFTER THREE RINGS (~5 SEC), INTERCOM IS TO ROLL OVER TO THE FRONT DESK OF THE BUSINESS OFFICE. THE INTERCOM CAMERAS SHALL BE PART OF THE CAMPUS CAMERA SYSTEM AND BE BACKED UP AND SEARCHABLE LIKE ANY OF THE OTHER SYSTEM CAMERAS.

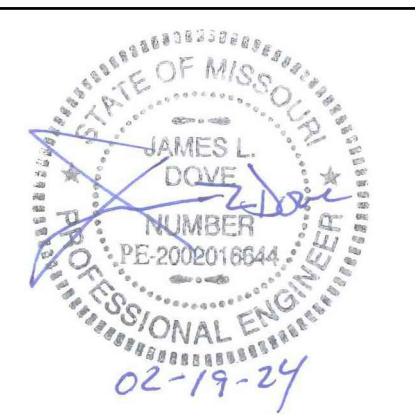
GENERAL SECURITY NOTES

- IT IS THE OWNERS PREFERENCE TO USE THE STATE ISSUED ID BADGE AS THEIR ACCESS CREDENTIALS. CONTRACTOR SHALL UPLOAD THE REQUIRED STAFF DATA TO MAKE THIS POSSIBLE.
- IT IS INTENDED IN THIS DESIGN THAT ALL EXISTING GENETEC HARDWARE BE REUSED. IF THE BIDDING CONTRACTOR IS SUBSTITUTING WITH AN APPROVED EQUAL, THEY SHALL BE RESPONSIBLE FOR ENSURING ALL EXISTING EQUIPMENT IS COMPATIBLE OR REPLACED WITH NEW EQUIPMENT.
- THE EXISTING GENETEC SERVERS ARE TO BE RE-PURPOSED TO SUPPORT THE NEW COMPONENTS EITHER AS ADDITIONAL ARCHIVE STORAGE OR AS THE MAIN SYSTEM SERVER. ALL SOFTWARE IS TO BE UPGRADED TO THE MOST CURRENT VERSION OF SECURITY CENTER, PROFESSIONAL LEVEL OR ABOVE, AND SUPPLIED WITH A MINIMUM OF 7 CONCURRENT CLIENT CONNECTIONS LICENSES. ALL SOFTWARE LICENSING SHALL EXTEND FOR 5 YEARS.
- THERE SHALL BE FOUR MONITORS LOCATED AS LISTED BELOW TO PROVIDE SITUATIONAL AWARENESS TO KEY STAFF. THESE MONITORS SHALL BE LOCATED IN THE FOLLOWING OFFICES: ONE IN THE SUPERINTENDENTS OFFICE, ONE IN THE BUSINESS DIRECTORS OFFICE, ONE IN THE DORM DIRECTORS OFFICE, AND ONE IN THE MAINTENANCE SUPERVISORS OFFICE. EACH MONITOR SHALL BE SET UP WITH POTENTIALLY 9 DISPLAY CELLS TO VIEW 7 CAMERAS AS WELL AS ONE WEATHER CHANNEL AND ONE NEWS CHANNEL. THE CAMERA LOCATIONS SHOULD ROTATE THROUGH THE SITE CAMERAS DUE TO MOTION. THE WEATHER AND NEWS RADAR BE SETUP TO DISPLAY INTERNET NEWS AND WEATHER INFORMATION, SUCH AS SKY NEWS AND NWS RADAR (HTTPS://RADAR.WEATHER.GOV) AND (HTTPS://NEWS.SKY.COM). SUPPLY FOUR STEAMVAULT WORKSTATIONS CAPABLE OF SUPPORTING 10 CAMERA STREAMS SIMULTANEOUSLY FOR THESE FOUR LOCATIONS, EACH SETUP TO DISPLAY VIDEO AS DESCRIBED ABOVE. THE WALL MONITOR SHALL BE 42" MINIMUM AND PAIRED WITH THE STEAMVAULT WORKSTATIONS TO PROVIDE THE BEST GRAPHICS QUALITY.
- THE SYSTEM SHOULD BE SET UP WITH LAYOUT GROUPS THAT BREAK THE CAMERAS DOWN INTO COMMON AREAS LIKE, PARKING LOT, STAIR WELLS, ENTRANCES, BUILDINGS, ETC. THE CONTRACTOR SHOULD HAVE A SITE MAP SIMILAR TO DETAIL 1 ON THIS SHEET. THIS SHOULD BE COORDINATED WITH THE CLIENT DURING FINAL PROGRAMMING AND TRAINING STAGE.
- OWNER SHALL IDENTIFY WHICH PERSONAL WORKSTATIONS SHALL BE CAPABLE OF ACCESSING THE SECURITY CENTER AND PERFORMING ANY OF THE SECURITY CENTER FUNCTIONS, INCLUDING VIEWING CAMERAS OR REMOTELY UNLOCKING DOORS. COORDINATE WITH OWNER ON PROGRAMMING USER NAMES, PASSWORDS, AND USER LEVEL, FOR STAFF ALLOWED ACCESS TO THIS SYSTEM.
- ALL CAMERAS SHOULD BE SET UP TO RECORD CONSTANTLY. A BOOK MARK SHOULD BE PLACED ON THE CAMERA TIME LINE WHEN MOTION IS DETECTED. A BOOK MARK SHOULD ALSO BE DROPPED FOR ANY OTHER SUSPICIOUS TYPE ACTIVITY LIKE ACCESS DENIED OR DOOR FORCED OPEN.
- COORDINATE WITH OWNER ON SETTING ANY ALARM CONDITIONS DUE TO SUSPICIOUS TYPE ACTIVITY LIKE DOOR FORCED OPEN.
- ENSURE THE SYSTEM IS FULLY PROGRAMMED AND OWNER HAS RECEIVED PROPER TRAINING PRIOR TO SUBSTANTIAL COMPLETION.



1 ENLARGED CAMPUS BUILDING MAP NO SCALE

STATE OF MISSOURI
MICHAEL L. PARSON,
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MISSOURI DEPARTMENT
OF ELEMENTARY AND
SECONDARY EDUCATION

SITE SECURITY UPGRADE,
SITE WIDE PHASE II

MISSOURI SCHOOL FOR THE
DEAF

FULTON, MISSOURI

PROJECT # E1617-02
SITE# 2490
ASSET# MULTIPLE

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 02/19/2024

CAD DWG FILE: MSD-g.dwg
DRAWN BY: JJS
CHECKED BY: JLD
DESIGNED BY: JLD

SHEET TITLE:

ENLARGED SITE
MAP & INDEX

SHEET NUMBER:

G-003

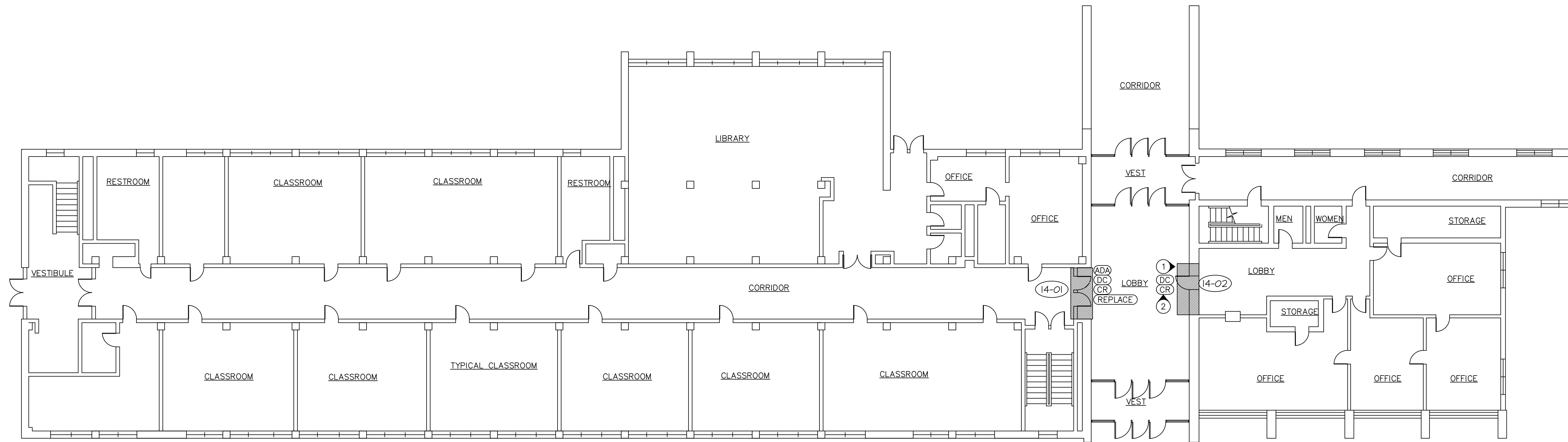
3 OF 34 SHEETS
02/19/2024

NOTES

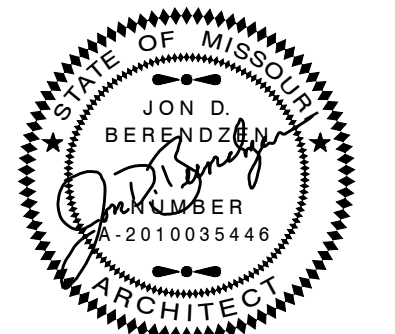
INDICATES KEYED NOTES

- ① EXISTING DOORS TO REMAIN.
- ② SEE ELECTRICAL SHEETS FOR INFORMATION ON CARD READER AT DOOR 14-02.

LEGEND	
CR	CARD READER
DC	DOOR CONTACT
REPLACE	INSTALL NEW DOOR EQUAL TO EXISTING



STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



EXPIRATION DATE 12-31-24
JON D. BERENDZEN, ARCHITECT
ISSUE DATE: February 19, 2024

MISSOURI ARC-000588
EXP. 12/31/25

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**SITE SECURITY UPGRADE,
SITE WIDE PHASE II**

**MISSOURI SCHOOL FOR THE
DEAF**

FULTON, MISSOURI

PROJECT # E1617-02
SITE # 2490
ASSET # MULTIPLE

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DATE: _____

ISSUE DATE: 02/19/2024

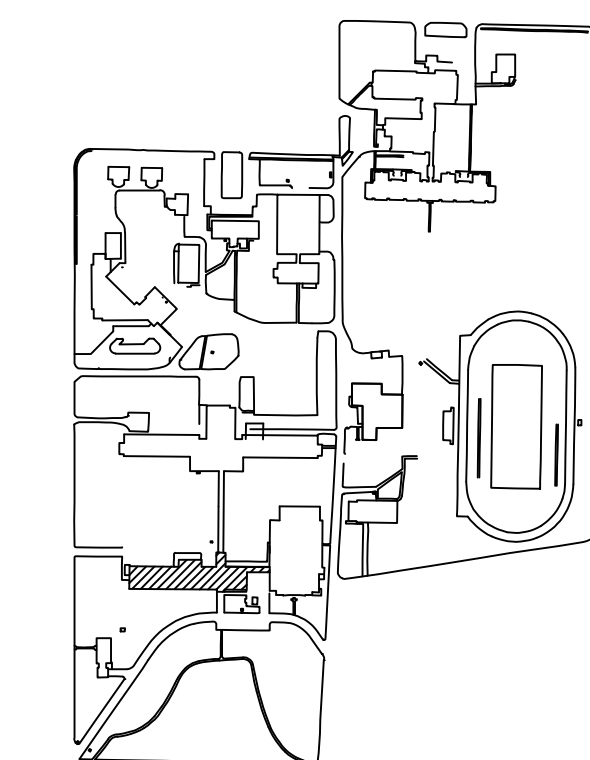
CAD DWG FILE: PBA-a.dwg
DRAWN BY: JDB
CHECKED BY: JDB
DESIGNED BY: JDB

SHEET TITLE:
**ARCHITECTURAL PLAN
BUILDING 14**

SHEET NUMBER:

A-101

4 OF 34 SHEETS
02/19/2024



FACILITY #31001- WHEELER HALL

2 SITE LEGEND

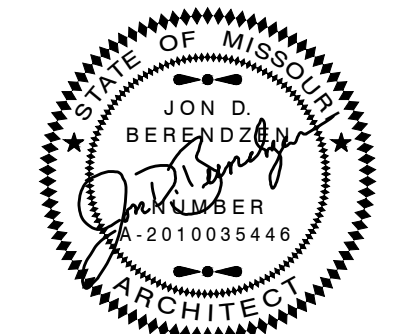
NOTES

(N) INDICATES KEYED NOTES

- 1 EXISTING DOORS TO REMAIN.
- 2 SEE ELECTRICAL SHEETS FOR INFORMATION ON CARD READER AT DOOR 15-01.

LEGEND	
CR	CARD READER
DC	DOOR CONTACT
REPLACE	INSTALL NEW DOOR EQUAL TO EXISTING

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR

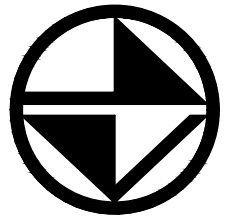


EXPIRATION DATE 12-31-24
JON D. BERENDZEN, ARCHITECT
ISSUE DATE: February 19, 2024

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SITE SECURITY UPGRADE,
SITE WIDE PHASE II

MISSOURI SCHOOL FOR THE
DEAF

FULTON, MISSOURI

PROJECT # E1617-02
SITE # 2490
ASSET # MULTIPLE

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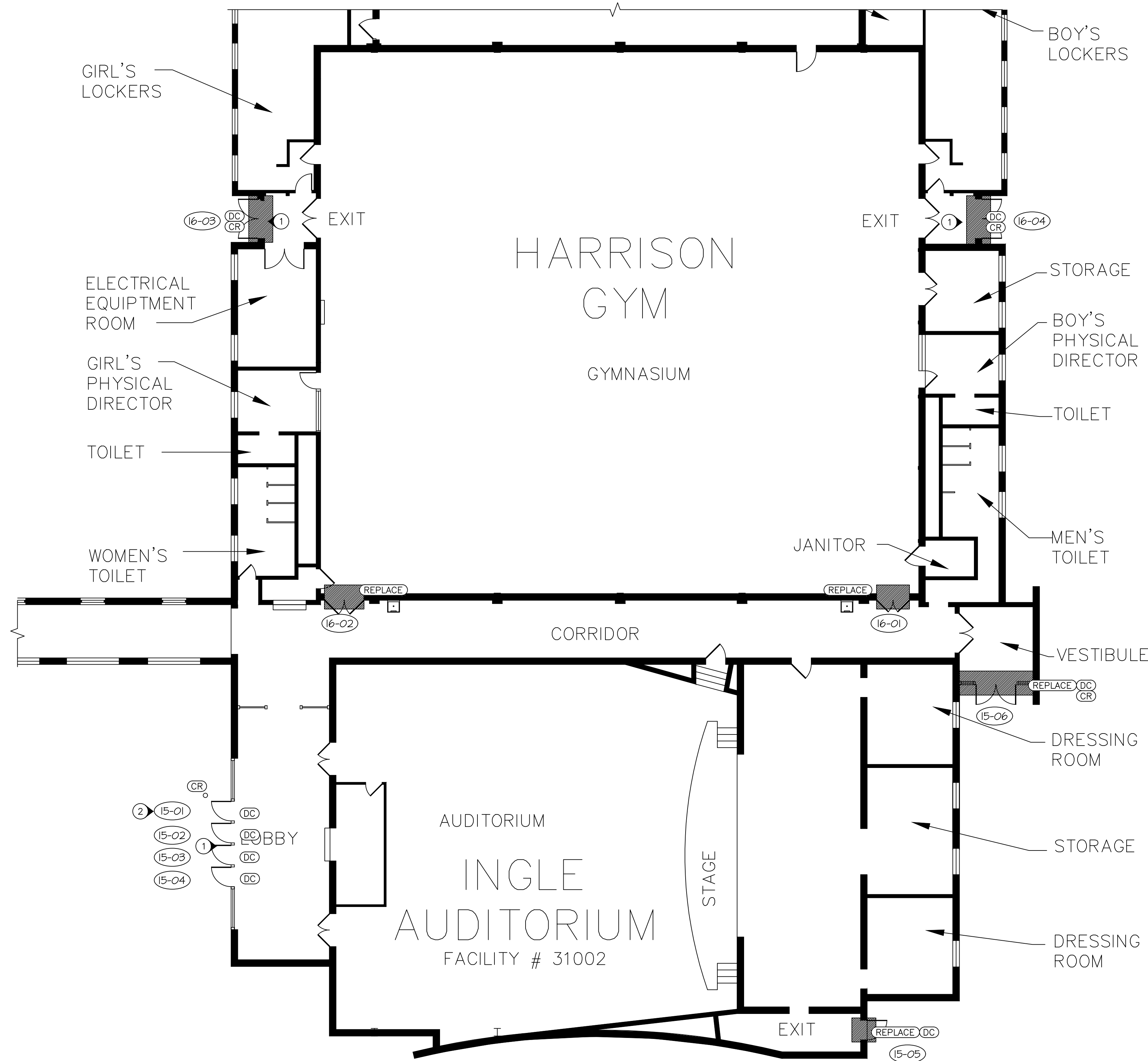
CAD DWG FILE: PBA-a.dwg
DRAWN BY: JDB
CHECKED BY: JDB
DESIGNED BY: JDB

SHEET TITLE:
ARCHITECTURAL PLAN
BUILDING 15 & 16

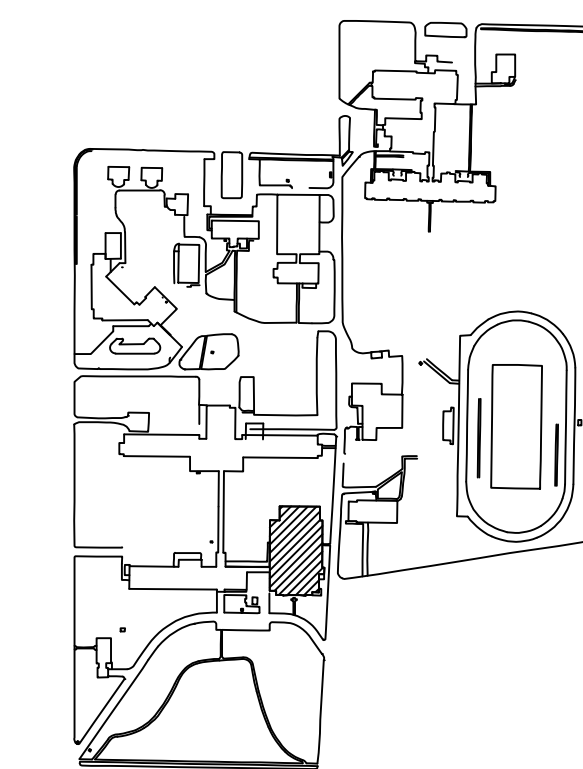
SHEET NUMBER:

A-102

5 OF 34 SHEETS
02/19/2024

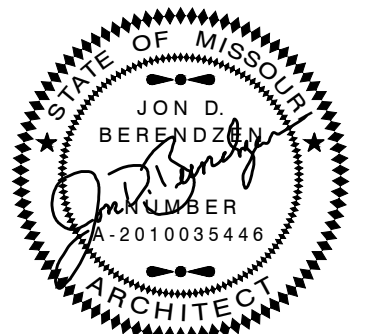


1 HARRISON GYMNASIUM AND INGLE AUDITORIUM FLOOR PLAN
SCALE: 3/32"=1'-0"



FACILITY #31002- HARRISON GYMNASIUM

2 SITE LEGEND



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ISSUE DATE: February 19, 2024

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SITE SECURITY UPGRADE,
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FULTON, MISSOURI

PROJECT # E1617-02
SITE # 2490
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REVISION: _____
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DATE: _____
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DATE: _____
ISSUE DATE: 02/19/2024

CAD DWG FILE: PBA-a.dwg
DRAWN BY: JDB
CHECKED BY: JDB
DESIGNED BY: JDB

SHEET TITLE:
**ARCHITECTURAL PLAN
BUILDING 10, 11 & 12
GROUND FLOOR**

SHEET NUMBER:

A-103

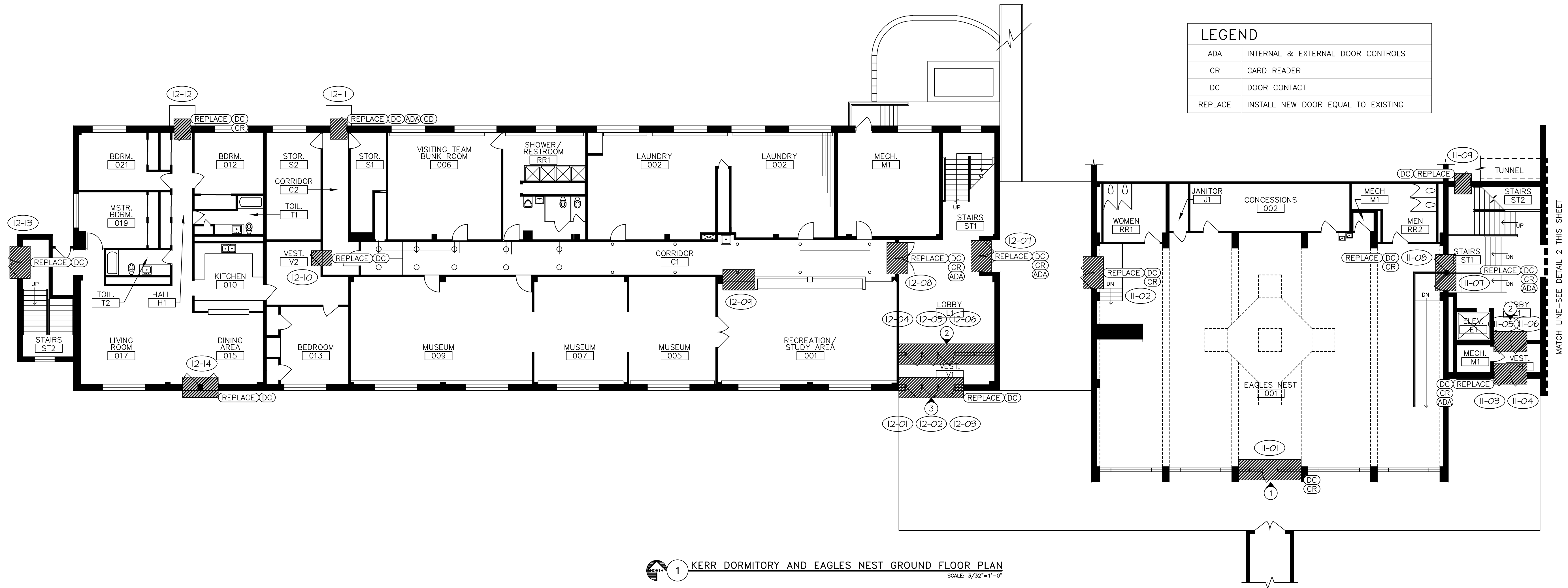
6 OF 34 SHEETS
02/19/2024

NOTES

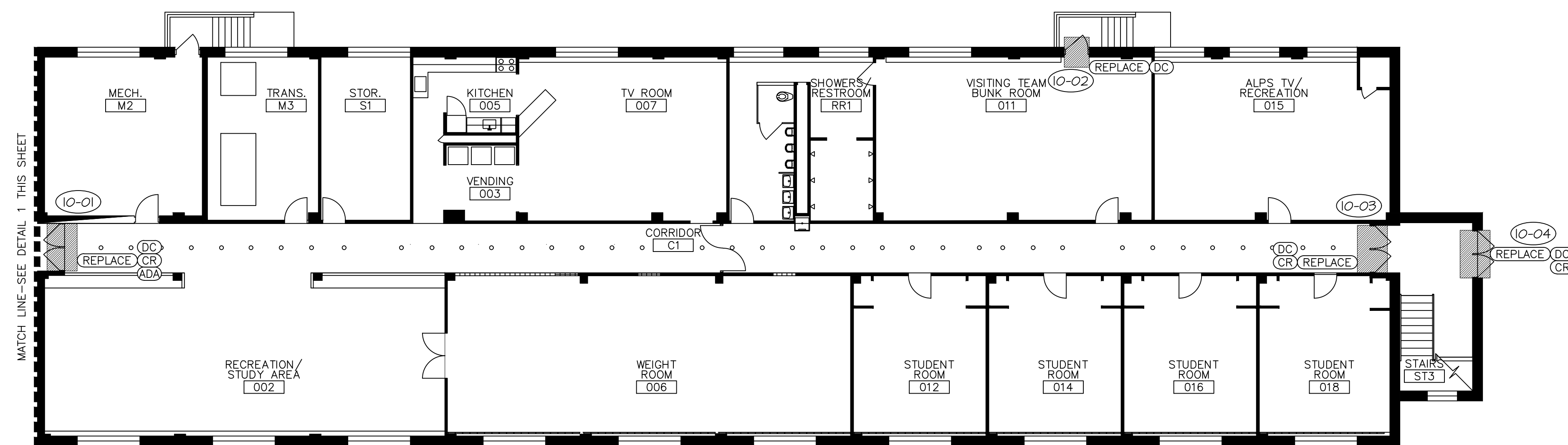
(N) INDICATES KEYED NOTES

- 1 EXISTING DOORS TO REMAIN.
- 2 REMOVE DOORS AND PARTITION. REPAIR FLOOR AND CEILING TO MATCH EXISTING.
- 3 REMOVE/REPLACE WITH TWO DOORS.
- 4 GENERAL NOTE: EXISTING SCREEN DOORS SHALL BE REMOVED AND SHALL NOT BE REPLACED.

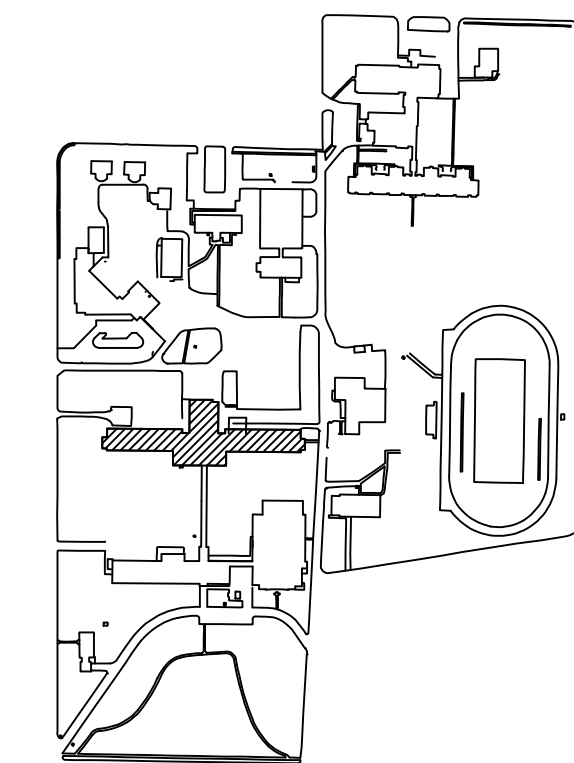
LEGEND	
ADA	INTERNAL & EXTERNAL DOOR CONTROLS
CR	CARD READER
DC	DOOR CONTACT
REPLACE	INSTALL NEW DOOR EQUAL TO EXISTING



1 KERR DORMITORY AND EAGLES NEST GROUND FLOOR PLAN
SCALE: 3/32"=1'-0"

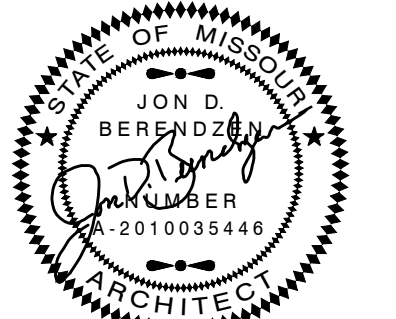


2 TATE DORMITORY GROUND FLOOR PLAN
SCALE: 3/32"=1'-0"



FACILITY #31004- McKEE HALL/EAGLES NEST
FACILITY #31004- KERR DORMITORIES
FACILITY #31004- TATE DORMITORIES

3 SITE LEGEND



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MISSOURI DEPARTMENT
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SITE SECURITY UPGRADE,
SITE WIDE PHASE II

MISSOURI SCHOOL FOR THE
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FULTON, MISSOURI

PROJECT # E1617-02
SITE # 2490
ASSET # MULTIPLE

REVISION:
DATE: _____
REVISION:
DATE: _____
REVISION:
DATE: _____
REVISION:
DATE: _____
ISSUE DATE: 02/19/2024

CAD DWG FILE: PBA-a.dwg
DRAWN BY: JDB
CHECKED BY: JDB
DESIGNED BY: JDB

SHEET TITLE:
ARCHITECTURAL PLAN
BUILDING 10, 11 & 12
FIRST FLOOR

SHEET NUMBER:

A-104

7 OF 34 SHEETS
02/19/2024

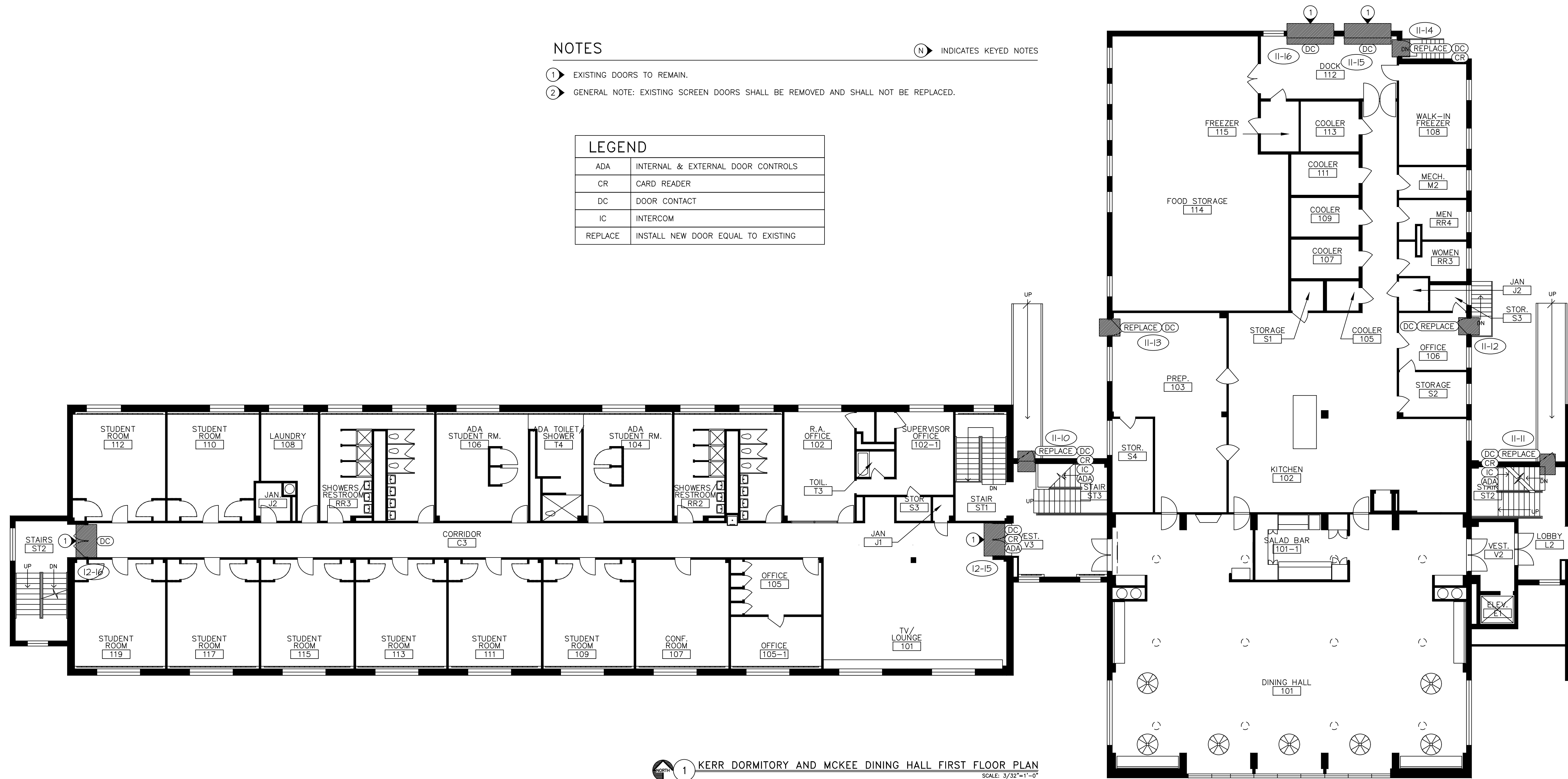
NOTES

- 1 EXISTING DOORS TO REMAIN.
2 GENERAL NOTE: EXISTING SCREEN DOORS SHALL BE REMOVED AND SHALL NOT BE REPLACED.

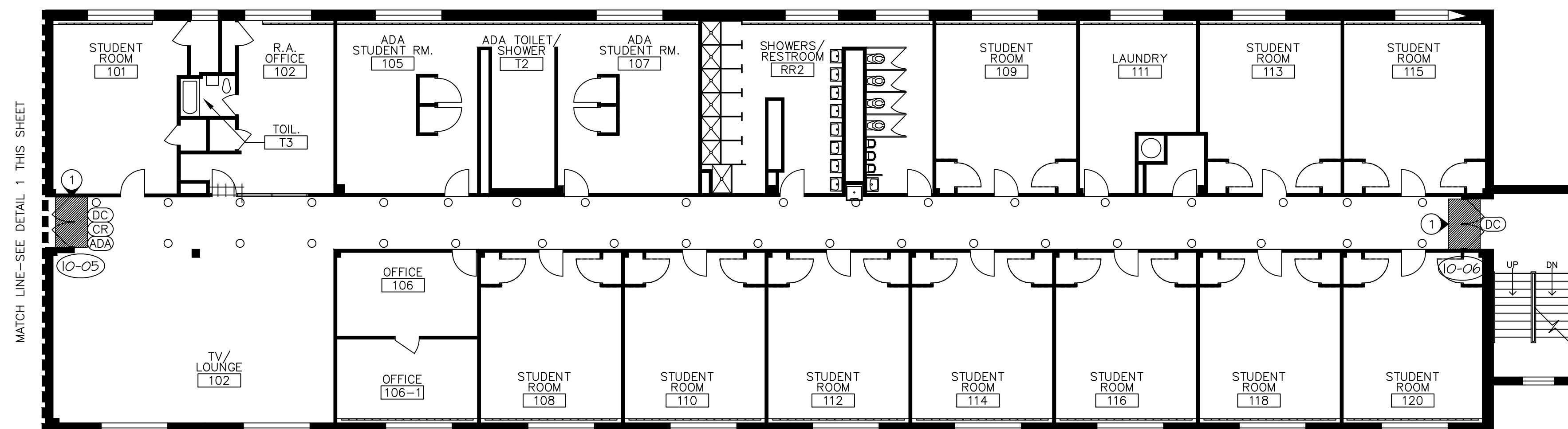
(N) INDICATES KEYED NOTES

LEGEND

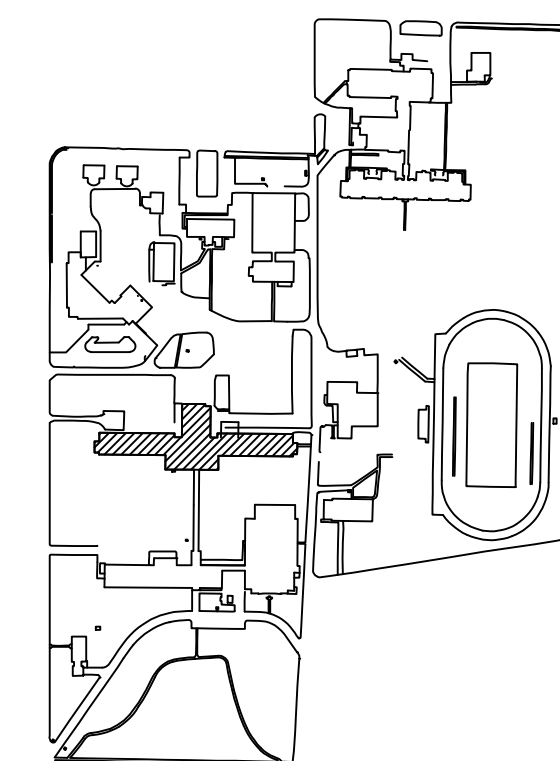
ADA	INTERNAL & EXTERNAL DOOR CONTROLS
CR	CARD READER
DC	DOOR CONTACT
IC	INTERCOM
REPLACE	INSTALL NEW DOOR EQUAL TO EXISTING



1 KERR DORMITORY AND MCKEE DINING HALL FIRST FLOOR PLAN
SCALE: 3/32"=1'-0"



2 TATE DORMITORY FIRST FLOOR PLAN
SCALE: 3/32"=1'-0"



3 SITE LEGEND
FACILITY #31004- MCKEE HALL/EAGLES NEST
FACILITY #31004- KERR DORMITORIES
FACILITY #31004- TATE DORMITORIES

MATCH LINE-SEE DETAIL 2 THIS SHEET

MATCH LINE-SEE DETAIL 1 THIS SHEET

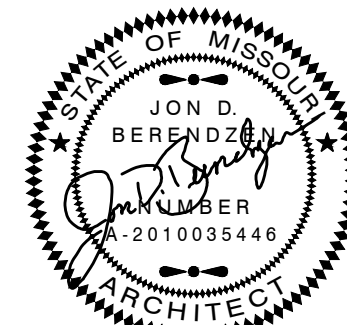
NOTES

N INDICATES KEYED NOTES

1 EXISTING DOORS TO REMAIN.

LEGEND	
ADA	INTERNAL & EXTERNAL DOOR CONTROLS
CR	CARD READER
DC	DOOR CONTACT
IC	INTERCOM
REPLACE	INSTALL NEW DOOR EQUAL TO EXISTING

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



EXPIRATION DATE 12-31-24
JON D. BERENDZEN, ARCHITECT
ISSUE DATE: February 19, 2024

MISSOURI ARC-000588
EXP. 12/31/25

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SECONDARY EDUCATION

SITE SECURITY UPGRADE,
SITE WIDE PHASE II

MISSOURI SCHOOL FOR THE
DEAF

FULTON, MISSOURI

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SITE # 2490
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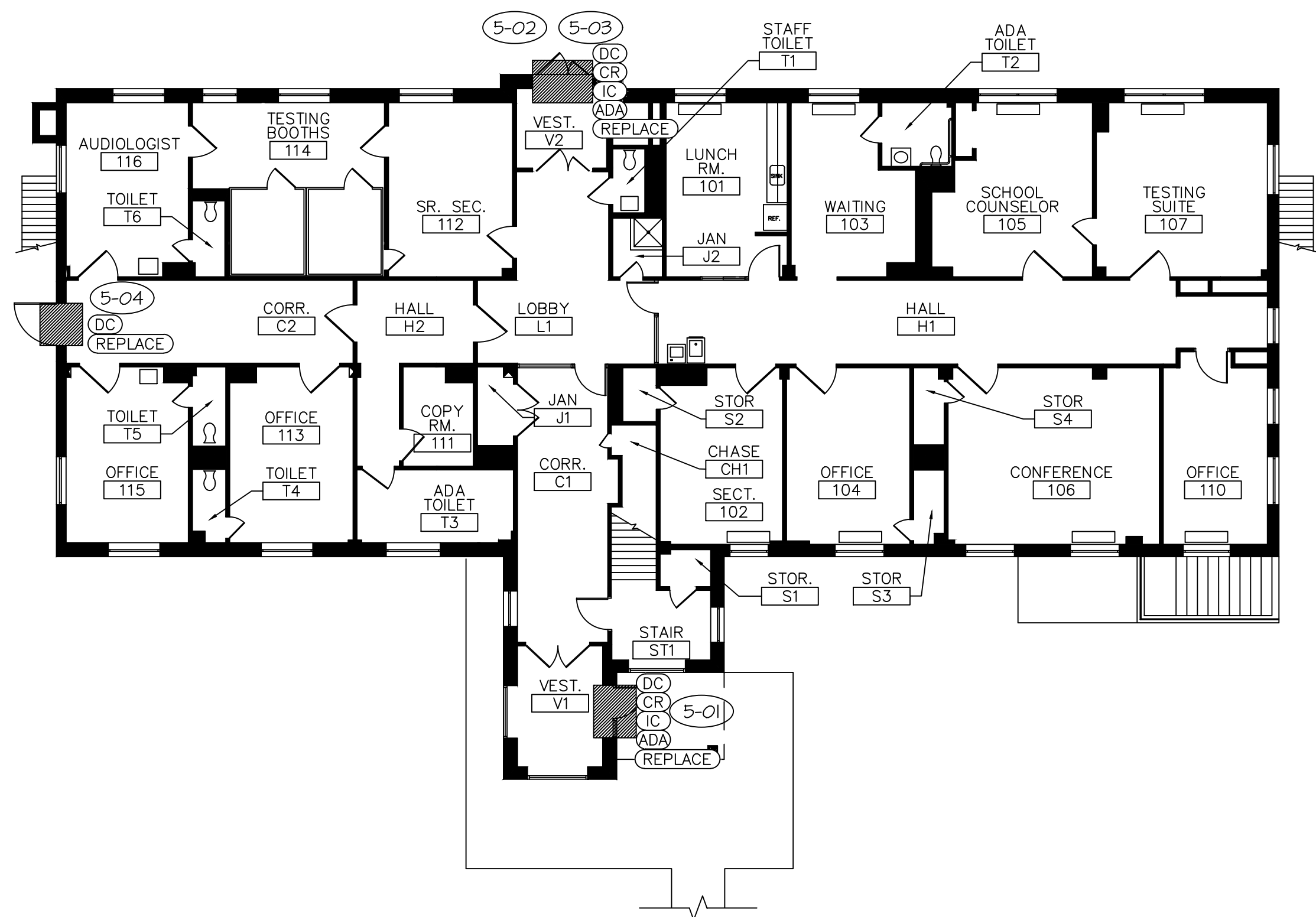
CAD DWG FILE: PBA-a.dwg
DRAWN BY: JDB
CHECKED BY: JDB
DESIGNED BY: JDB

SHEET TITLE:
ARCHITECTURAL PLAN
BUILDING 5

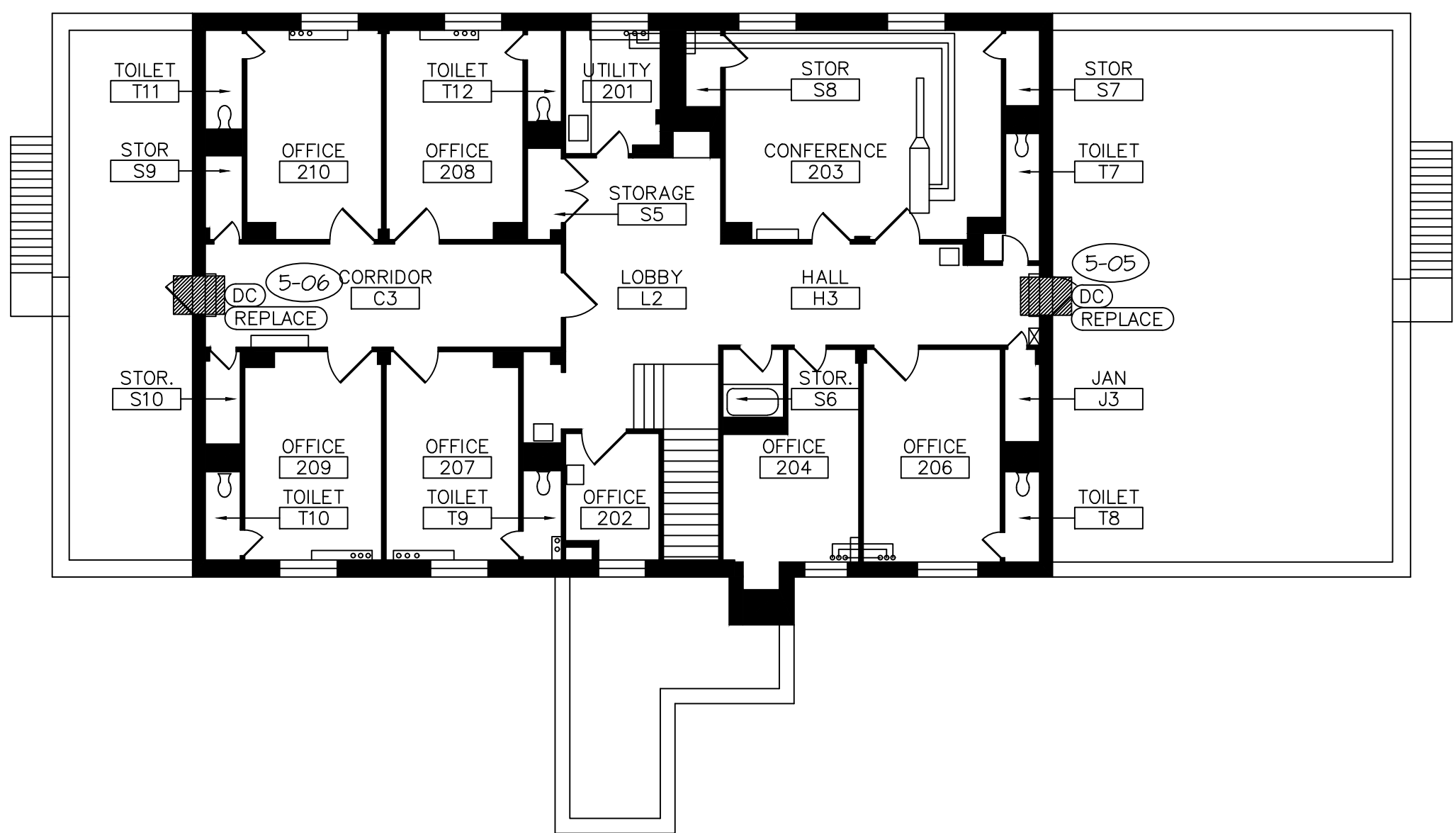
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A-106

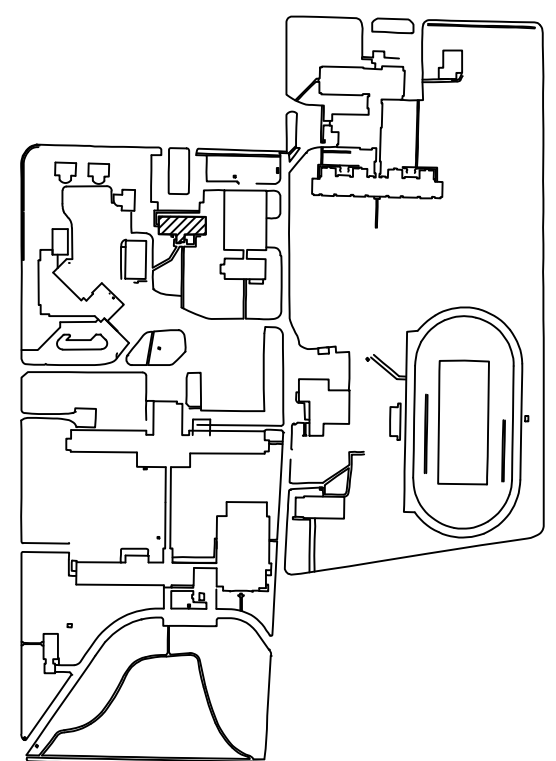
9 OF 34 SHEETS
02/19/2024



1 STUDENT SERVICES BUILDING FIRST FLOOR PLAN
SCALE: 3/32"=1'-0"



2 STUDENT SERVICES BUILDING SECOND FLOOR PLAN
SCALE: 3/32"=1'-0"



3 SITE LEGEND
FACILITY #31015- STUDENT SERVICES BUILDING

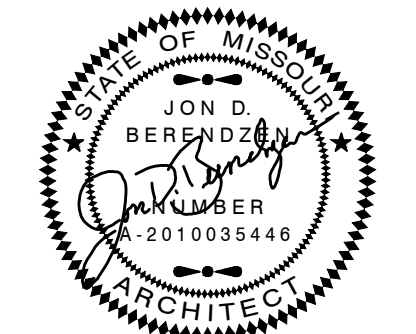
NOTES

N INDICATES KEYED NOTES

1 EXISTING DOORS TO REMAIN.

LEGEND	
CR	CARD READER
DC	DOOR CONTACT
IC	INTERCOM

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



EXPIRATION DATE 12-31-24
JON D. BERENDZEN, ARCHITECT
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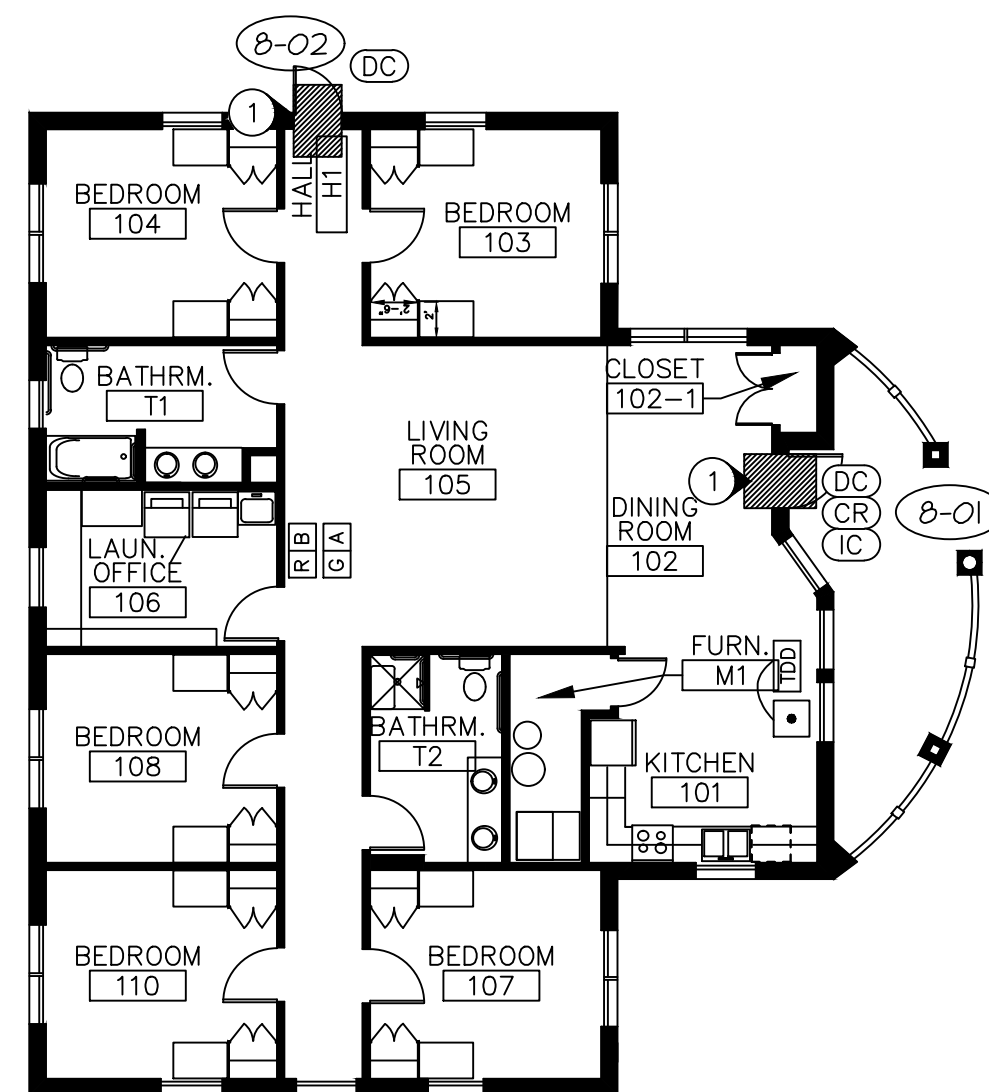
CAD DWG FILE: PBA-a.dwg
DRAWN BY: JDB
CHECKED BY: JDB
DESIGNED BY: JDB

SHEET TITLE:
ARCHITECTURAL PLAN
BUILDING 6, 7 & 8

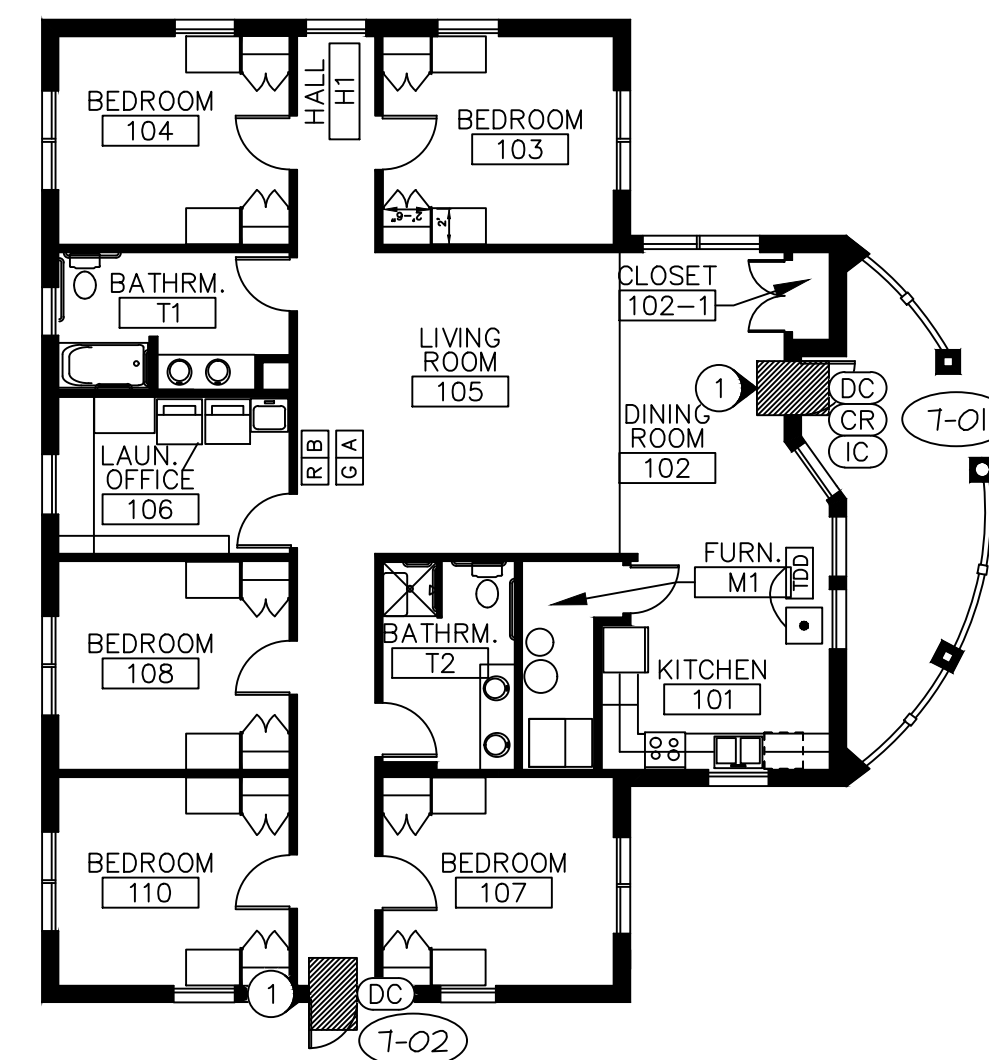
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A-107

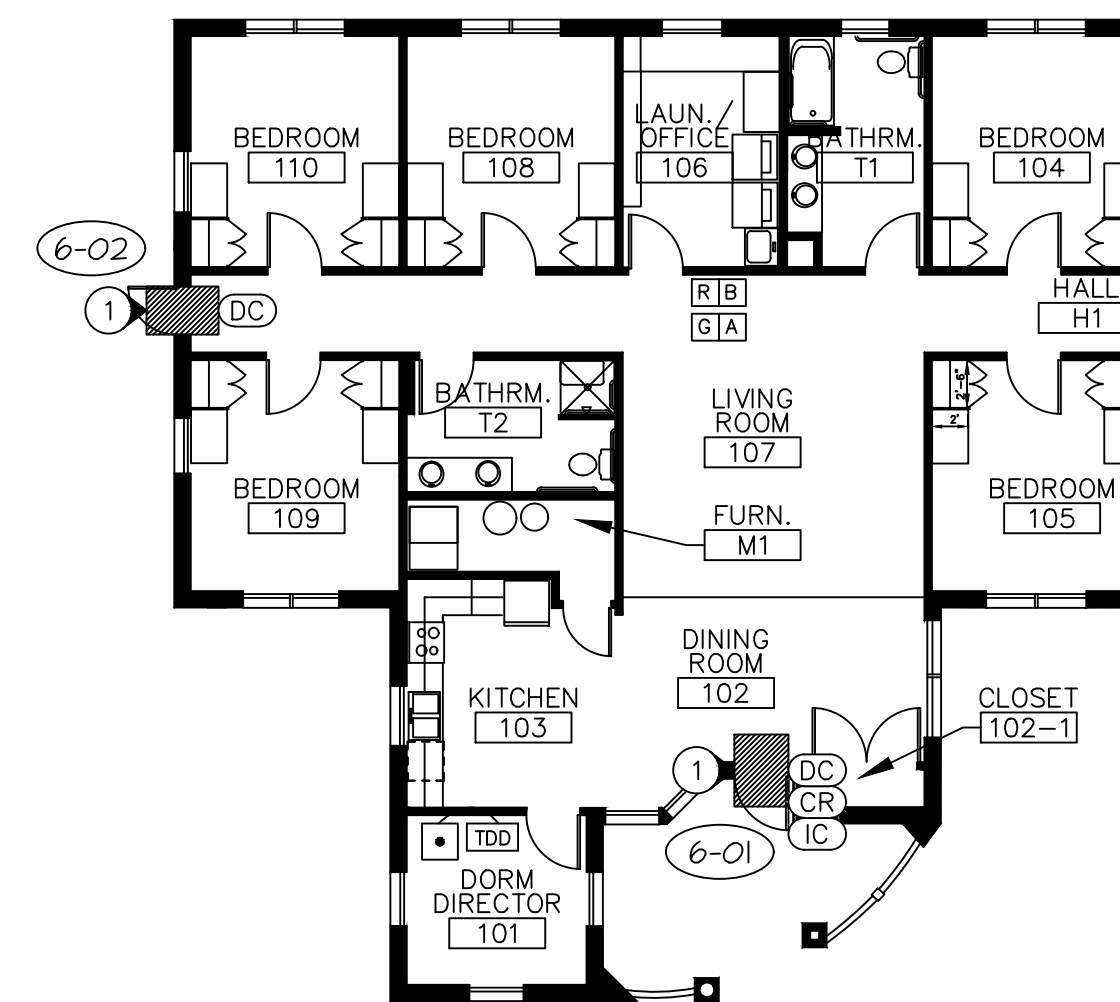
10 OF 34 SHEETS
02/19/2024



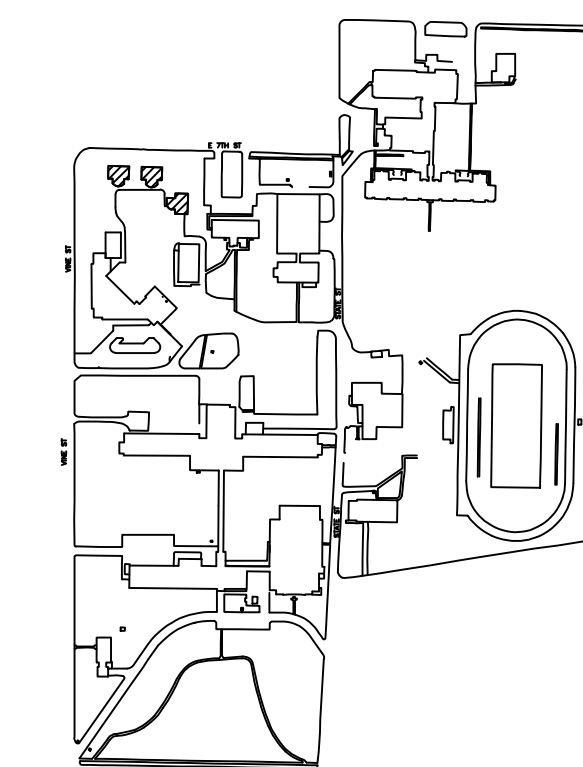
1 REID HOUSE FLOOR PLAN
SCALE: 3/32"=1'-0"



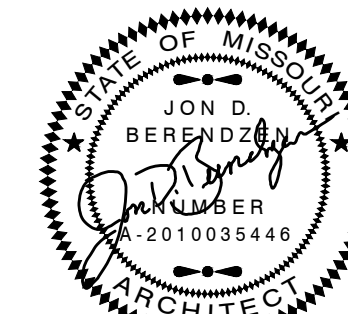
2 REDDEN HOUSE FLOOR PLAN
SCALE: 3/32"=1'-0"



3 GANNON HOUSE FLOOR PLAN
SCALE: 3/32"=1'-0"



4 SITE LEGEND
FACILITY #31033- GANNON HOUSE
FACILITY #31034- REDDEN HOUSE
FACILITY #31035- REID HOUSE



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CAD DWG FILE: PBA-a.dwg
DRAWN BY: JDB
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DESIGNED BY: JDB

SHEET TITLE:
**ARCHITECTURAL PLAN
DOOR SCHEDULE**

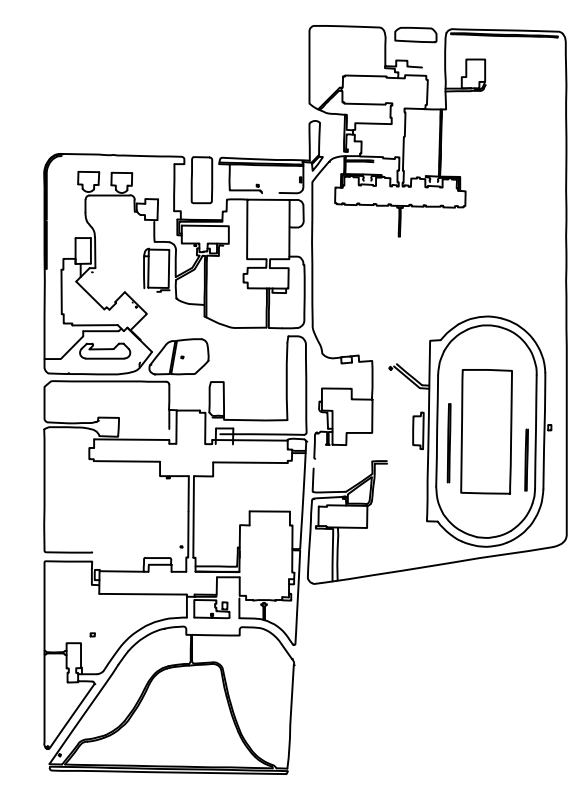
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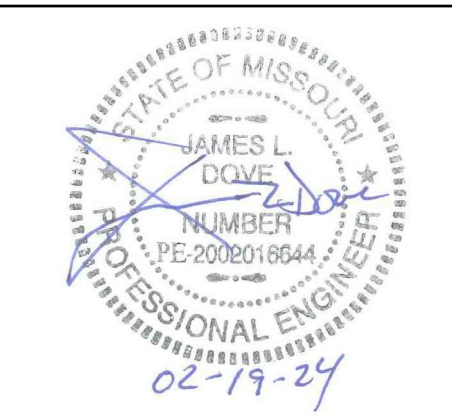
A-200

11_OF_34 SHEETS
02/19/2024

DOOR SCHEDULE													
ALL EXISTING DOORS/FRAMES/ROUGH OPENING SIZES/WIDTHS ARE TO BE FIELD VERIFIED PRIOR TO ORDERING													
BLDG AREA	NO.	SIZE	DOOR		FRAME			REMARKS	DOOR TYPES				
			TYPE	MATERIAL	GLAZ.	TYPE	MATERIAL		GLAZ.	FRAME DEPTH	FIRE RATING	HARDWARE GROUP	
BLDG 5	5-01	3'-0" x 7'-0" x 1 3/4"	D1	INSULATED METAL	--	F15	HOLLOW METAL	--	4 1/2"	--	10.04	REPLACE / DC / CR / IC / ADA	
	5-02	3'-0" x 7'-0" x 1 3/4"	D3	INSULATED METAL	--	F16	HOLLOW METAL	--	4 1/2"	--	10.04	REPLACE / DC / CR / IC / ADA	
	5-03	2'-0" x 7'-0" x 1 3/4"	D3	INSULATED METAL	--	F16	HOLLOW METAL	--	4 1/2"	--	10.04	REPLACE / DC / CR / IC / ADA	
	5-04	3'-8" x 7'-0" x 1 3/4"	D2	INSULATED METAL	--	F8	HOLLOW METAL	--	4 1/2"	--	10.01	REPLACE / DC	
	5-05	2'-10" x 7'-0" x 1 3/4"	D3	INSULATED METAL	--	F2	HOLLOW METAL	--	4 1/2"	--	10.01	REPLACE / DC	
	5-06	2'-10" x 7'-0" x 1 3/4"	D3	INSULATED METAL	--	F2	HOLLOW METAL	--	4 1/2"	--	10.01	REPLACE / DC	
6	6-01	3'-0" x 7'-0" x 1 3/4"	E	INSULATED METAL	--	E	HOLLOW METAL	--	--	--	--	DC / CR / IC	
	6-02	3'-0" x 7'-0" x 1 3/4"	E	INSULATED METAL	--	E	HOLLOW METAL	--	--	--	--	DC	
7	7-01	3'-0" x 7'-0" x 1 3/4"	E	INSULATED METAL	--	E	HOLLOW METAL	--	--	--	--	DC / CR / IC	
	7-02	3'-0" x 7'-0" x 1 3/4"	E	INSULATED METAL	--	E	HOLLOW METAL	--	--	--	--	DC	
8	8-01	3'-0" x 7'-0" x 1 3/4"	E	INSULATED METAL	--	E	HOLLOW METAL	--	--	--	--	DC / CR / IC	
	8-02	3'-0" x 7'-0" x 1 3/4"	E	INSULATED METAL	--	E	HOLLOW METAL	--	--	--	--	DC	
BLDG 10	10-01	FR. 3'-0" x 7'-0" x 1 3/4"	D2	WOOD / GLASS	6X	F11	HOLLOW METAL	61	4 1/2"	--	10.03	REPLACE / DC / CR / ADA	
	10-02	FR. 3'-0" x 7'-0" x 1 3/4"	D3	HOLLOW METAL	6X	F4	HOLLOW METAL	65	4 1/2"	--	10.01	REPLACE / DC	
	10-03	FR. 3'-0" x 7'-0" x 1 3/4"	D2	WOOD / GLASS	6X	F11	HOLLOW METAL	61	4 1/2"	--	10.04	REPLACE / DC / CR	
	10-04	FR. 3'-0" x 7'-0" x 1 3/4"	D3	HOLLOW METAL	6X	F12	HOLLOW METAL	65	4 1/2"	--	10.04	REPLACE / DC / CR	
	10-05	FR. 3'-0" x 7'-0" x 1 3/4"	E	WOOD / GLASS	--	E	HOLLOW METAL	--	--	--	--	DC / CR / ADA	
	10-06	FR. 3'-0" x 7'-0" x 1 3/4"	E	WOOD / GLASS	--	E	HOLLOW METAL	--	--	--	--	DC	
	10-07	FR. 3'-0" x 7'-0" x 1 3/4"	E	WOOD / GLASS	--	E	HOLLOW METAL	--	--	--	--	DC / CR	
	10-08	FR. 3'-0" x 7'-0" x 1 3/4"	E	WOOD / GLASS	--	E	HOLLOW METAL	--	--	--	--	DC	
BLDG 11	11-01	3'-0" x 7'-0" x 1 3/4"	E	ALUMINUM	--	E	ALUMINUM	--	--	--	--	DC / CR	
	11-02	FR. 2'-10" x 7'-0" x 1 3/4"	D3	ALUMINUM	66	F7	ALUMINUM	66	4 1/2"	--	10.04	REPLACE / DC / CR	
	11-03	3'-0" x 7'-0" x 1 3/4"	D3	ALUMINUM	66	F11	ALUMINUM	65	4 1/2"	--	10.03	REPLACE / DC / CR / ADA	
	11-04	3'-0" x 7'-0" x 1 3/4"	D3	ALUMINUM	66	F11	ALUMINUM	65	4 1/2"	--	10.03	REPLACE / DC / CR / ADA	
	11-05	3'-0" x 7'-0" x 1 3/4"	E	ALUMINUM	--	E	ALUMINUM	--	--	--	--	REMOVE DOOR AND FRAME	
	11-06	3'-0" x 7'-0" x 1 3/4"	E	ALUMINUM	--	E	ALUMINUM	--	--	--	--	REMOVE DOOR AND FRAME	
	11-07	3'-0" x 7'-0" x 1 3/4"	D3	WOOD / GLASS	62	F5	HOLLOW METAL	65	4 1/2"	--	10.03	REPLACE / DC / CR / ADA	
	11-08	3'-0" x 7'-0" x 1 3/4"	D3	WOOD / GLASS	62	F10	HOLLOW METAL	65	4 1/2"	--	10.03	REPLACE / DC / CR / ADA	
	11-09	2'-4" x 6'-8" x 1 3/4"	D3	INSULATED METAL	66	F1	HOLLOW METAL	65	4 1/2"	--	10.01	REPLACE / DC	
	11-10	3'-0" x 7'-0" x 1 3/4"	D3	INSULATED METAL	66	F1	HOLLOW METAL	65	4 1/2"	--	10.03	REPLACE / DC / CR / IC / ADA	
	11-11	3'-0" x 7'-0" x 1 3/4"	D3	INSULATED METAL	66	F1	HOLLOW METAL	65	4 1/2"	--	10.03	REPLACE / DC / CR / IC / ADA	
	11-12	3'-0" x 7'-0" x 1 3/4"	D1	INSULATED METAL	66	F4	HOLLOW METAL	65	4 1/2"	--	10.01	REPLACE / DC	
	11-13	3'-0" x 7'-0" x 1 3/4"	D3	INSULATED METAL	6X	F8	HOLLOW METAL	65	4 1/2"	--	10.01	REPLACE / DC	
	11-14	3'-0" x 7'-0" x 1 3/4"	D2	INSULATED METAL	6X	F4	HOLLOW METAL	65	4 1/2"	--	10.03	REPLACE / DC / CR / IC / ADA	
	11-15	OVERHEAD DOOR	E	--	--	--	--	--	--	--	--	DC	
	11-16	OVERHEAD DOOR	E	--	--	--	--	--	--	--	--	DC	
BLDG 12	12-01	3'-0" x 7'-0" x 1 3/4"	D4	ALUMINUM	66	F15	ALUMINUM	66	4 1/2"	--	10.01	REPLACE / DC	
	12-02	3'-0" x 7'-0" x 1 3/4"	D4	ALUMINUM	66	F15	ALUMINUM	66	4 1/2"	--	10.01	REPLACE / DC	
	12-03	3'-0" x 7'-0" x 1 3/4"	D4	ALUMINUM	66	F15	ALUMINUM	66	4 1/2"	--	10.01	REPLACE / DC	
	12-04	3'-0" x 7'-0" x 1 3/4"	E	ALUMINUM	--	E	ALUMINUM	--	--	--	--	REMOVE DOOR AND FRAME	
	12-05	3'-0" x 7'-0" x 1 3/4"	E	ALUMINUM	--	E	ALUMINUM	--	--	--	--	REMOVE DOOR AND FRAME	
	12-06	3'-0" x 7'-0" x 1 3/4"	E	ALUMINUM	--	E	ALUMINUM	--	--	--	--	REMOVE DOOR AND FRAME	
	12-07	FR. 3'-0" x 7'-0" x 1 3/4"	D4	ALUMINUM	66	F7	ALUMINUM	66	4 1/2"	--	10.02	REPLACE / DC / CR / ADA	
	12-08	3'-0" x 7'-0" x 1 3/4"	D2	WOOD / GLASS	62	F11	HOLLOW METAL	61	4 1/2"	--	10.02	REPLACE / DC / CR / ADA	
	12-09	FR. 3'-0" x 7'-0" x 1 3/4"	E	H.M. / GLASS	--	E	HOLLOW METAL	--	--	--	--	NO WORK	
	12-10	3'-0" x 7'-0" x 1 3/4"	D1	WOOD	--	F3	WOOD	--	4 1/2"	--	10.01	REPLACE / DC	
	12-11	3'-0" x 7'-0" x 1 3/4"	D3	H.M. / GLASS	66	F4	HOLLOW METAL	65	4 1/2"	--	10.01	REPLACE / DC / CR / ADA	
	12-12	3'-0" x 7'-0" x 1 3/4"	D3	H.M. / GLASS	66	F4	HOLLOW METAL	65	4 1/2"	--	10.02	REPLACE / DC / CR	
	12-13	3'-0" x 7'-0" x 1 3/4"	D3	H.M. / GLASS	66	F7	HOLLOW METAL	65	4 1/2"	--	10.05	REPLACE / DC	
	12-14	FR. 3'-0" x 7'-0" x 1 3/4"	D3	WOOD / GLASS	66	F11	HOLLOW METAL	65	4 1/2"	--	10.05	REPLACE / DC	
	12-15	FR. 3'-0" x 7'-0" x 1 3/4"	E	WOOD / GLASS	--	E	HOLLOW METAL	--	--	--	--	DC / CR / ADA	
	12-16	FR. 3'-0" x 7'-0" x 1 3/4"	E	WOOD / GLASS	--	E	HOLLOW METAL	--	--	--	--	DC	
	12-17	FR. 3'-0" x 7'-0" x 1 3/4"	E	WOOD / GLASS	--	E	HOLLOW METAL	--	--	--	--	DC / CR	
	12-18	FR. 3'-0" x 7'-0" x 1 3/4"	E	WOOD / GLASS	--	E	HOLLOW METAL	--	--	--	--	DC	
14	14-01	3'-0" x 7'-0" x 1 3/4"	D4	ALUMINUM	62	F13	ALUMINUM	66	4 1/2"	--	02.01	REPLACE / DC / CR / ADA	
	14-02	FR. 3'-0" x 7'-0" x 1 3/4"	E	ALUMINUM	--	E	ALUMINUM	--	--	--	--	DC / CR	
BLDG 15	15-01	3'-0" x 7'-0" x 1 3/4"	E	ALUMINUM	--	E	ALUMINUM	--	--	--	--	DC / CR	
	15-02	3'-0" x 7'-0" x 1 3/4"	E	ALUMINUM	--	E	ALUMINUM	--	--	--	--	DC	
	15-03	3'-0" x 7'-0" x 1 3/4"	E	ALUMINUM	--	E	ALUMINUM	--	--	--	--	DC	
	15-04	3'-0" x 7'-0" x 1 3/4"	E	ALUMINUM	--	E	ALUMINUM	--	--	--	--	DC	
	15-05	2'-8" x 6'-8" x 1 3/4"	D1	INSULATED METAL	--	F2	HOLLOW METAL	65	4 1/2"	--	10.01	REPLACE / DC	
	15-06	FR. 3'-0" x 7'-0" x 1 3/4"	D4	ALUMINUM	66	F14	ALUMINUM	66	4 1/2"	--	01.01	REPLACE / DC / CR	
BLDG 16	16-01	FR. 3'-0" x 6'-8" x 1 3/4"	D1	HOLLOW METAL	--	F6	HOLLOW METAL	--	4 1/2"	--	08.01	REPLACE	
	16-02	FR. 3'-0" x 7'-0" x 1 3/4"	D1	HOLLOW METAL	--	F6	HOLLOW METAL	--	4 1/2"	--	08.01	REPLACE	
	16-03	FR. 3'-0" x 7'-0" x 1 3/4"	E	H.M. / GLASS	--	E	HOLLOW METAL	--	--	--	--	DC / CR	
	16-04	FR. 3'-0" x 7'-0" x 1 3/4"	E	H.M. / GLASS	--	E	HOLLOW METAL	--	--	--	--	DC / CR	

TYPE	DESCRIPTION
61	1/4" CLEAR FLOAT GLASS
62	1/4" TEMPERED GLASS
63	1/4" CLEAR LAMINATED GLASS
64	1/4" WIRE GLASS
65	1" CLEAR LOW-E" INSULATING GLASS
66	1" CLEAR LOW-E" INSULATING GLASS - TEMPERED -
67	1" CLEAR LOW-E" INSULATING GLASS - OBTAINED - MIN. 50% EMITTANCE
68	1/4" FIRE RATED GLASS - RATING PER SCHEDULE -
69	1/4" FIREIMPACT RATED GLASS - RATING PER SCHEDULE





PROFESSIONAL SEAL

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FULTON, MISSOURI

PROJECT # E1617-02
SITE# 2490
ASSET# MULTIPLE

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 02/19/2024

CAD DWG FILE: MSD-e.dwg
DRAWN BY: JJS
CHECKED BY: JLD
DESIGNED BY: JLD

SHEET TITLE:

BUILDING 14
ELECTRICAL PLAN

SHEET NUMBER:

E-101

12 OF 34 SHEETS
02/19/2024

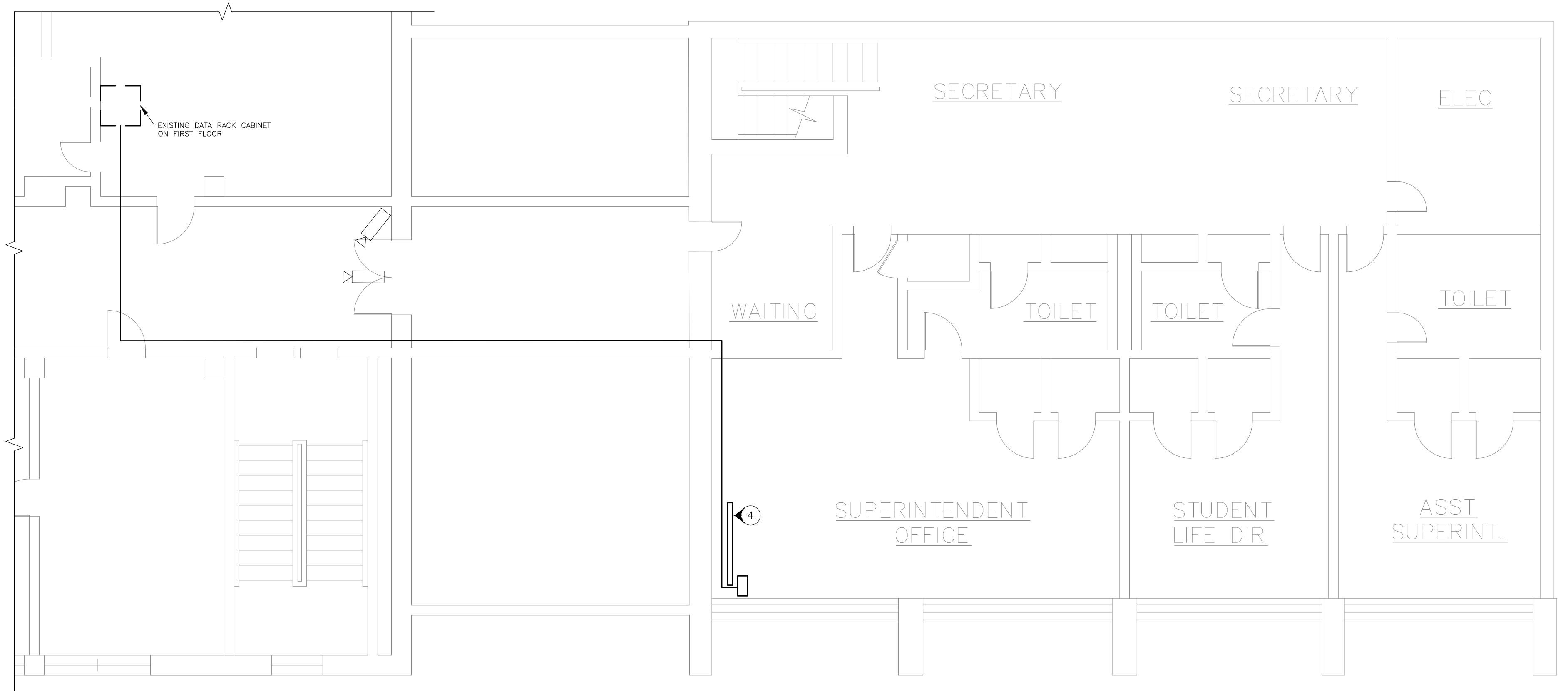
NOTES

INDICATES KEYED NOTES

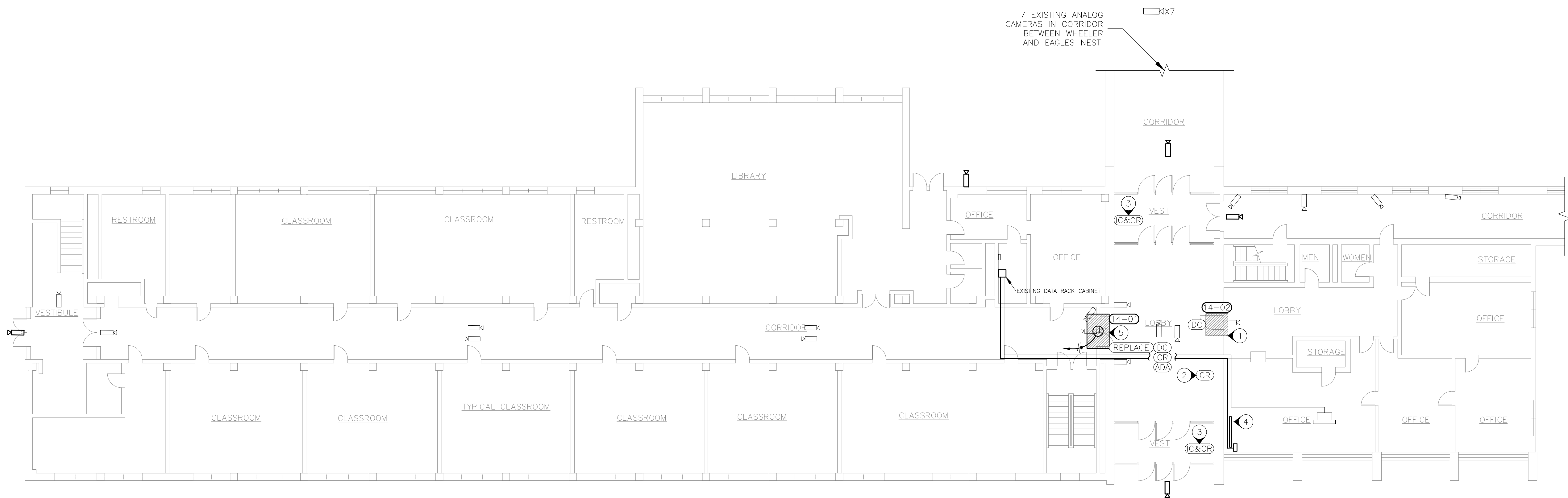
- 1 EXISTING DOORS TO REMAIN.
- 2 USE EXISTING CARD READER FOR DOOR 14-02. RE-PROGRAM AS NEEDED.
- 3 REPLACE EXISTING INTERCOM WITH NEW 2N IP STYLE INTERCOM OR EQUAL. EXISTING CARD READER IS TO REMAIN.
- 4 INSTALL A WALL MOUNTED VIDEO MONITORING STATION. PLACEMENT OF MONITOR SHALL BE COORDINATED WITH OWNER TO PROVIDE BEST VIEWING ANGLE.
- 5 FOR A DOOR THAT REQUIRES NEW ADA OPENING, CONTRACTOR TO RUN (1) 20A,120V CIRCUIT FROM CLOSEST ELECTRICAL CIRCUIT TO JUNCTION BOX ABOVE DOOR FOR POWER ASSIST AS NEEDED. SUPPLY ANY NEW TRANSFORMERS, LOW VOLTAGE WIRE, AND CABLE AS NEEDED. ELC TO VERIFY CIRCUITING.
- 6 ALL PHASE 1 AND EXISTING ANALOG CAMERAS TO REMAIN.

LEGEND

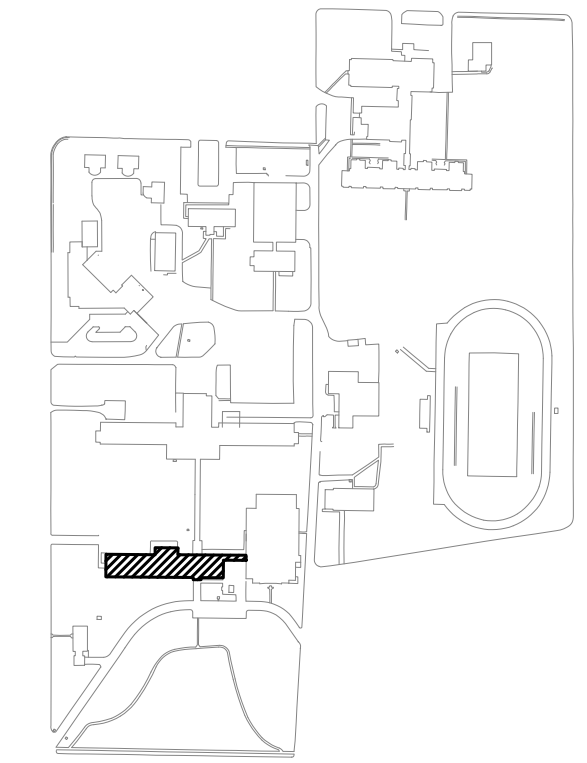
ADA	INTERNAL & EXTERNAL DOOR CONTROLS
CR	CARD READER
CR	EXISTING CARD READER
DC	DOOR CONTACT
IC&CR	A/V INTERCOM W/ BUILT-IN CARD READER
REPLACE	INSTALL NEW DOOR EQUAL TO EXISTING
	EXISTING PHASE 1 CAMERA (DIGITAL)
	EXISTING ANALOG CAMERA
	DATA RACK CABINET
	DATA RACK CABINET ON DIFFERENT FLOOR
	EXISTING ELECTRICAL PANEL
	EXISTING MONITORING STATION
	DOOR TAG



1 ADMINISTRATION BUILDING/WHEELER HALL SECOND FLOOR PLAN
SCALE: 3/16"=1'-0"



2 ADMINISTRATION BUILDING/WHEELER HALL FIRST FLOOR PLAN
SCALE: 3/32"=1'-0"



FACILITY #31001- ADMINISTRATION BUILDING/WHEELER HALL

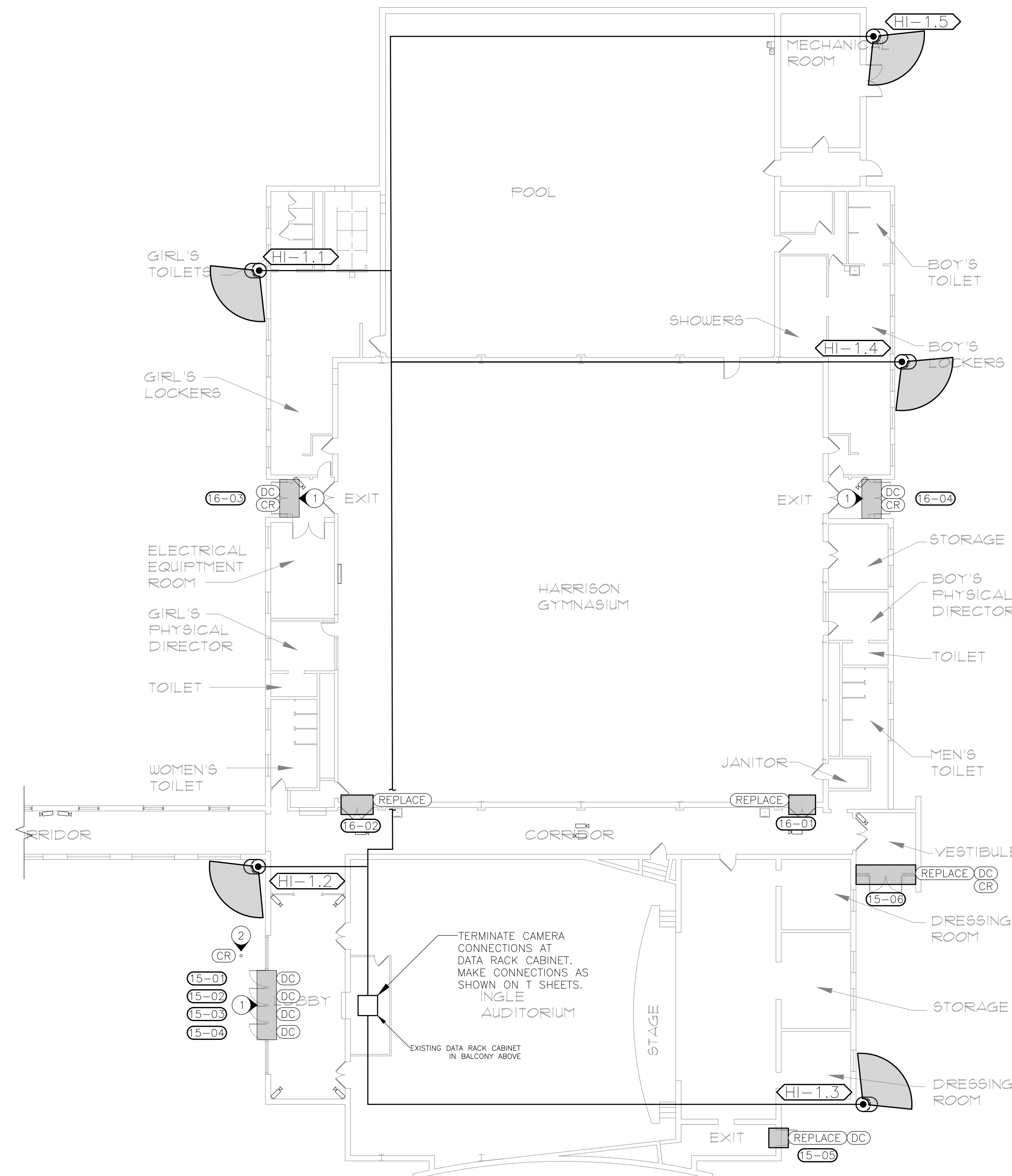
3 SITE LEGEND

NOTES

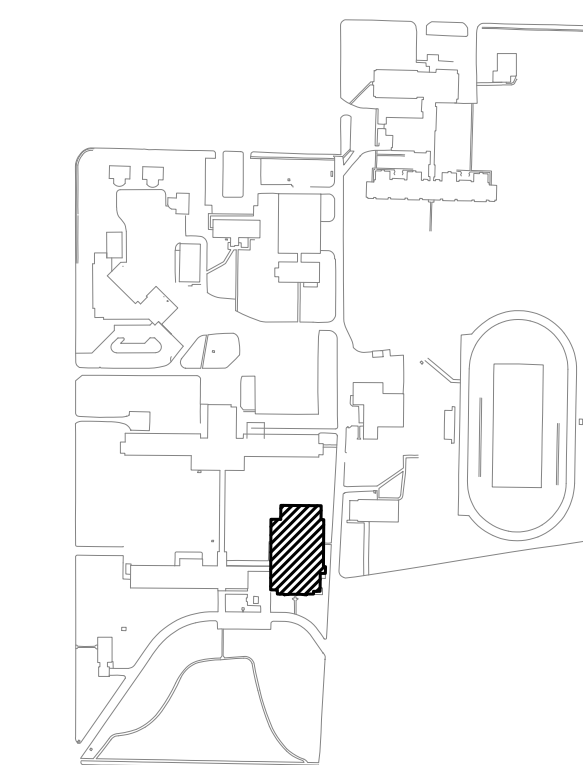
INDICATES KEYED NOTES

- 1 EXISTING DOORS TO REMAIN.
- 2 CARD READER FOR DOOR 15-01 TO BE INSTALLED ON EXISTING 3" POST. ELC TO INSTALL CARD READER ADJACENT TO EXISTING ADA OPENER. RUN WIRE THROUGH POST INSIDE TO EXISTING JUNCTION BOX AND TO CONTROLLER.
- 3 EXISTING ANALOG CAMERAS TO REMAIN.
- 4 CAMERAS ARE NOT TO SCALE. COORDINATE WITH OWNER ON EXACT MOUNTING HEIGHT & AIMING OF CAMERAS.

LEGEND	
CR	CARD READER
DC	DOOR CONTACT
REPLACE	INSTALL NEW DOOR EQUAL TO EXISTING
	EXISTING ANALOG CAMERA
	OUTDOOR DOME CAMERA
	DATA RACK CABINET
	EXISTING OUTSIDE POST
	EXISTING ELECTRICAL PANEL
	DOOR TAG
	CAMERA TAG



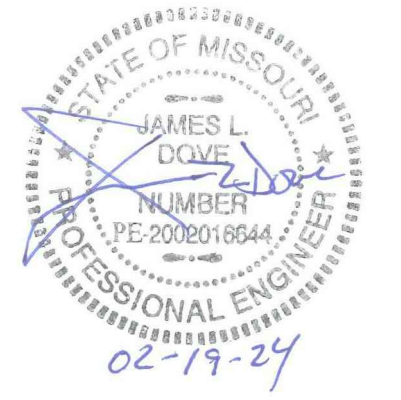
1 HARRISON GYMNASIUM & INGLE AUDITORIUM FLOOR PLAN
SCALE: 1/16"=1'-0"



FACILITY #31002- HARRISON GYMNASIUM & INGLE AUDITORIUM

2 SITE LEGEND

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



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MISSOURI DEPARTMENT
OF ELEMENTARY AND
SECONDARY EDUCATION

SITE SECURITY UPGRADE,
SITE WIDE PHASE II

MISSOURI SCHOOL FOR THE
DEAF

FULTON, MISSOURI

PROJECT # E1617-02
SITE# 2490
ASSET# MULTIPLE

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 02/19/2024

CAD DWG FILE: MSD-e.dwg
DRAWN BY: JJS
CHECKED BY: JLD
DESIGNED BY: JLD

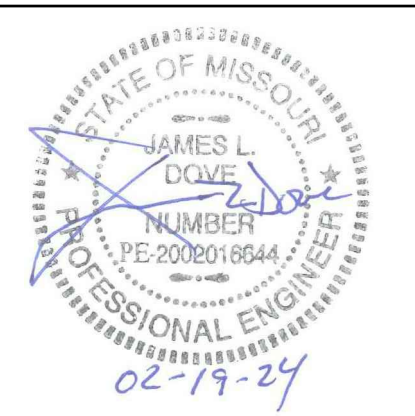
SHEET TITLE:

**BUILDING 15 & 16
ELECTRICAL PLAN**

SHEET NUMBER:

E-102

13 OF 34 SHEETS
02/19/2024



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SECONDARY EDUCATION

SITE SECURITY UPGRADE,
SITE WIDE PHASE II

MISSOURI SCHOOL FOR THE
DEAF

FULTON, MISSOURI

PROJECT # E1617-02
SITE# 2490
ASSET# MULTIPLE

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 02/19/2024

CAD DWG FILE: MSD-e.dwg
DRAWN BY: JJS
CHECKED BY: JLD
DESIGNED BY: JLD

SHEET TITLE:
**BUILDING 10, 11, & 12
GROUND FLOOR
ELECTRICAL PLAN**

SHEET NUMBER:

E-103

14 OF 34 SHEETS
02/19/2024

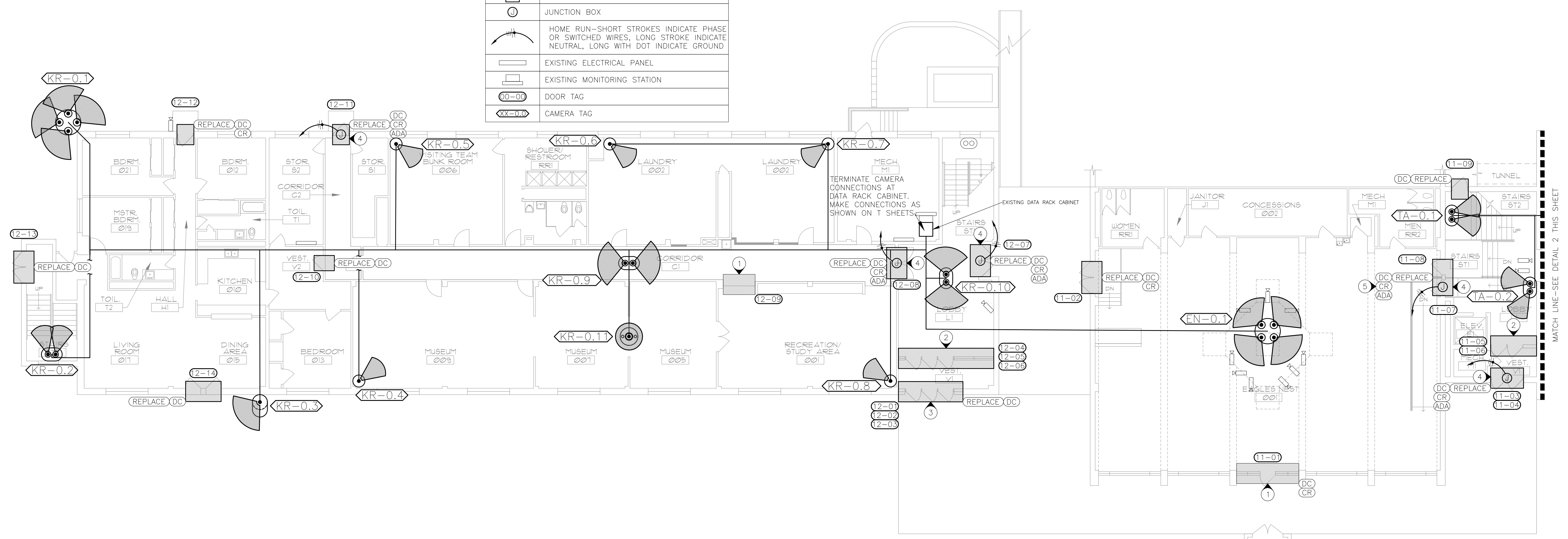
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INDICATES KEYED NOTES

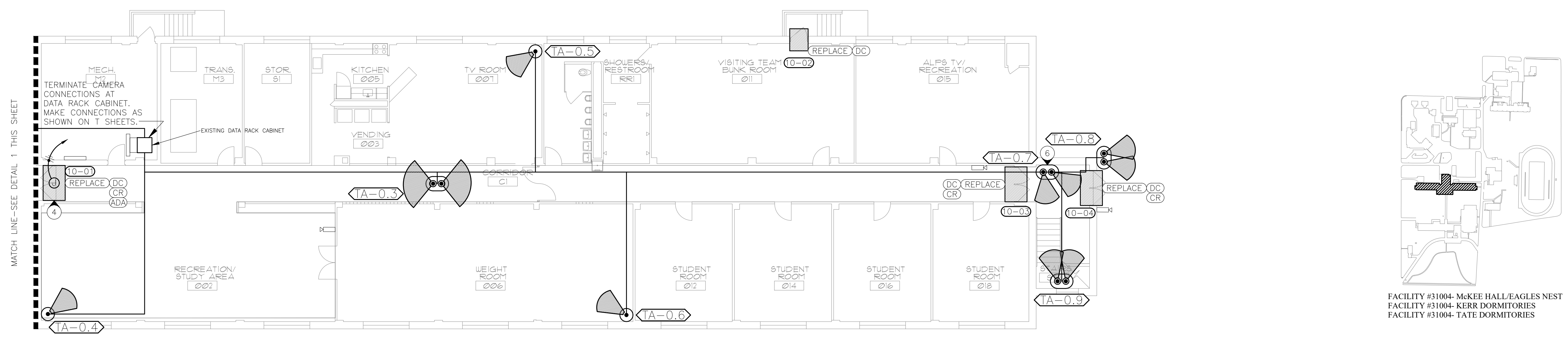
- 1 EXISTING DOORS TO REMAIN.
- 2 EXISTING DOORS AND PARTITION TO BE REMOVED. REPAIR FLOOR AND CEILING TO MATCH EXISTING.
- 3 REPLACE WITH TWO DOORS.
- 4 FOR A DOOR THAT REQUIRES NEW ADA OPENING, CONTRACTOR TO RUN (1) 20A,120V CIRCUIT FROM CLOSEST ELECTRICAL CIRCUIT TO JUNCTION BOX ABOVE DOOR FOR POWER ASSIST AS NEEDED. SUPPLY ANY NEW TRANSFORMERS, LOW VOLTAGE WIRE, AND CABLE AS NEEDED. ELC TO VERIFY CIRCUITING.
- 5 CARD READERS TO BE INSTALLED ON BOTH DOORS, ADA TO ONLY BE INSTALLED ON DOOR 11-07.
- 6 CAMERA TO REPLACE (2) EXISTING ANALOG CAMERAS (NOT SHOWN) WHILE KEEPING THE SAME ASIMS.
- 7 SCREEN DOORS SHALL BE REMOVED AND SHALL NOT BE REPLACED.
- 8 CAMERAS ARE NOT TO SCALE. COORDINATE WITH OWNER ON EXACT MOUNTING HEIGHT & AIMING OF CAMERAS.

LEGEND

ADA	INTERNAL & EXTERNAL DOOR CONTROLS
CR	CARD READER
DC	DOOR CONTACT
REPLACE	INSTALL NEW DOOR EQUAL TO EXISTING
	EXISTING ANALOG CAMERA
	OUTDOOR DOME CAMERA
	INDOOR DOME CAMERA
	4 LENS DOME CAMERA
	PANORAMIC DOME CAMERA
	2 LENS DOME CAMERA
	CAMERA SHOWN IN OTHER DRAWING
	DATA RACK CABINET
	JUNCTION BOX
	HOME RUN—SHORT STROKES INDICATE PHASE OR SWITCHED WIRES, LONG STROKE INDICATE NEUTRAL, LONG WITH DOT INDICATE GROUND
	EXISTING ELECTRICAL PANEL
	EXISTING MONITORING STATION
	DOOR TAG
	CAMERA TAG

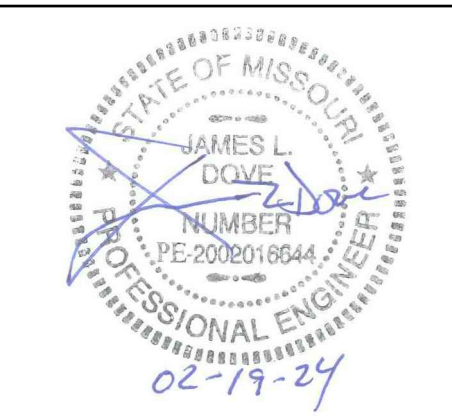


1 KERR DORMITORY & EAGLES NEST GROUND FLOOR PLAN
SCALE: 3/32"=1'-0"



2 TATE DORMITORY GROUND FLOOR PLAN
SCALE: 3/32"=1'-0"

3 SITE LEGEND



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SITE SECURITY UPGRADE,
SITE WIDE PHASE II

MISSOURI SCHOOL FOR THE
DEAF

FULTON, MISSOURI

PROJECT # E1617-02
SITE# 2490
ASSET# MULTIPLE

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 02/19/2024

CAD DWG FILE: MSD-e.dwg
DRAWN BY: JJS
CHECKED BY: JLD
DESIGNED BY: JLD

SHEET TITLE:
**BUILDING 10, 11, & 12
FIRST FLOOR
ELECTRICAL PLAN**

SHEET NUMBER:

E-104

15 OF 34 SHEETS
02/19/2024

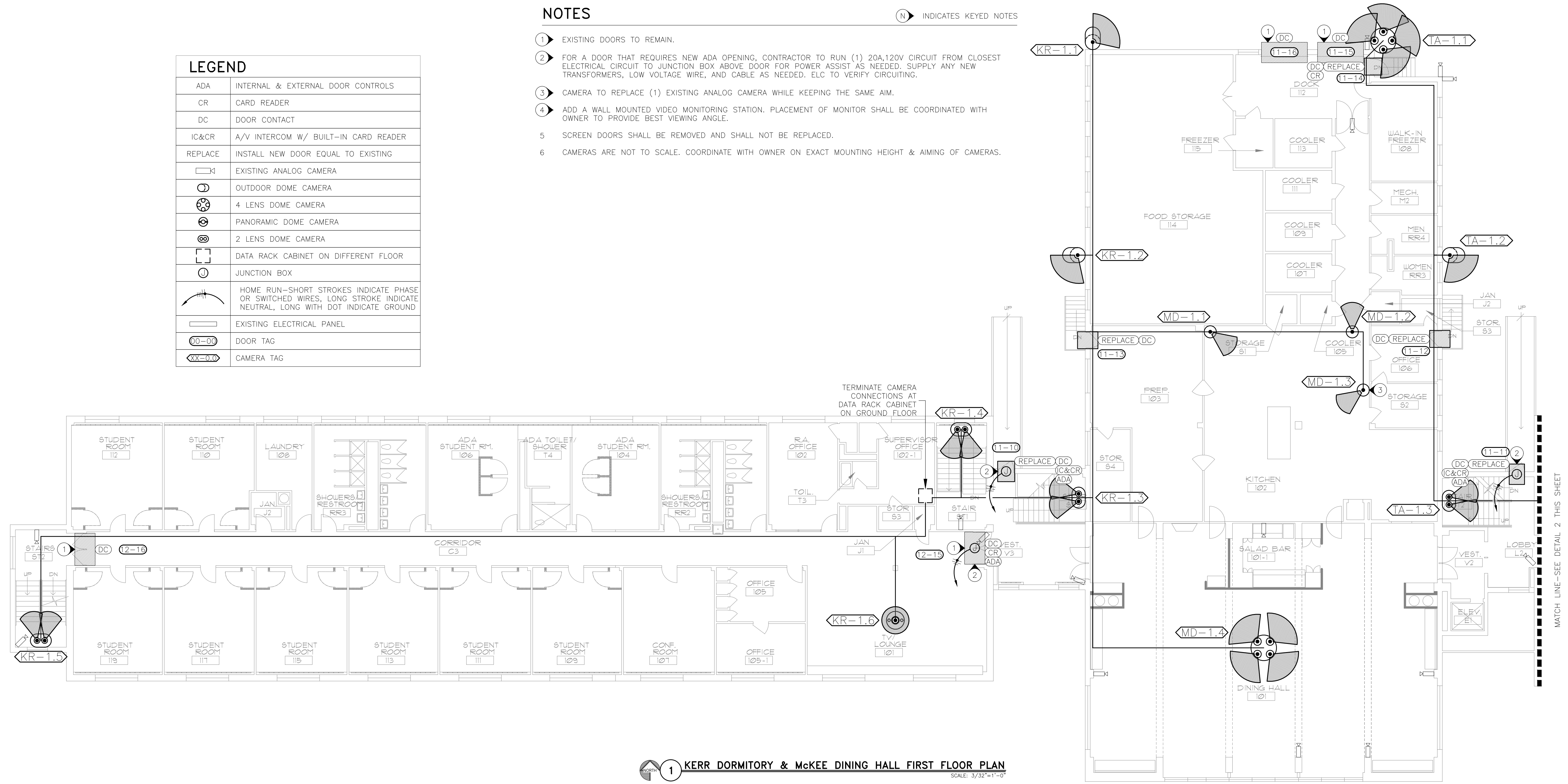
NOTES

- 1 EXISTING DOORS TO REMAIN.
- 2 FOR A DOOR THAT REQUIRES NEW ADA OPENING, CONTRACTOR TO RUN (1) 20A,120V CIRCUIT FROM CLOSEST ELECTRICAL CIRCUIT TO JUNCTION BOX ABOVE DOOR FOR POWER ASSIST AS NEEDED. SUPPLY ANY NEW TRANSFORMERS, LOW VOLTAGE WIRE, AND CABLE AS NEEDED. ELC TO VERIFY CIRCUITING.
- 3 CAMERA TO REPLACE (1) EXISTING ANALOG CAMERA WHILE KEEPING THE SAME AIM.
- 4 ADD A WALL MOUNTED VIDEO MONITORING STATION. PLACEMENT OF MONITOR SHALL BE COORDINATED WITH OWNER TO PROVIDE BEST VIEWING ANGLE.
- 5 SCREEN DOORS SHALL BE REMOVED AND SHALL NOT BE REPLACED.
- 6 CAMERAS ARE NOT TO SCALE. COORDINATE WITH OWNER ON EXACT MOUNTING HEIGHT & AIMING OF CAMERAS.

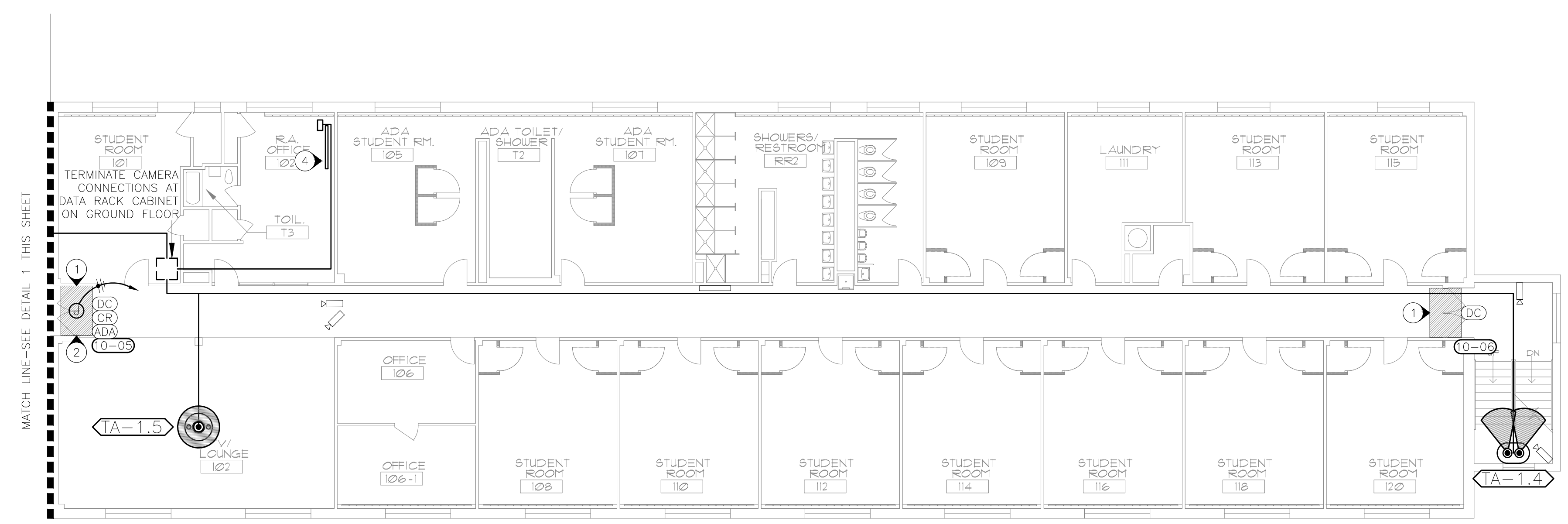
(N) INDICATES KEYED NOTES

LEGEND

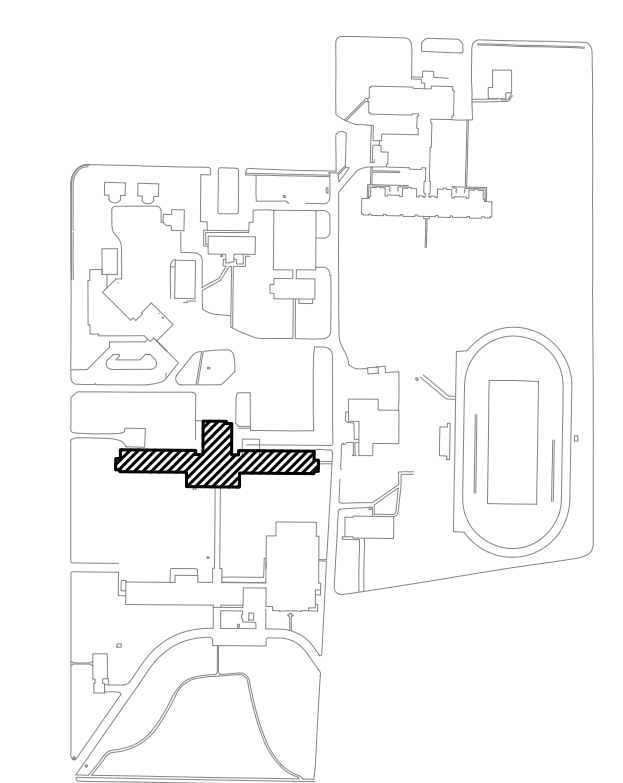
ADA	INTERNAL & EXTERNAL DOOR CONTROLS
CR	CARD READER
DC	DOOR CONTACT
IC&CR	A/V INTERCOM W/ BUILT-IN CARD READER
REPLACE	INSTALL NEW DOOR EQUAL TO EXISTING
	EXISTING ANALOG CAMERA
	OUTDOOR DOME CAMERA
	4 LENS DOME CAMERA
	PANORAMIC DOME CAMERA
	2 LENS DOME CAMERA
	DATA RACK CABINET ON DIFFERENT FLOOR
	JUNCTION BOX
	HOME RUN—SHORT STROKES INDICATE PHASE OR SWITCHED WIRES, LONG STROKE INDICATE NEUTRAL, LONG WITH DOT INDICATE GROUND
	EXISTING ELECTRICAL PANEL
	DOOR TAG
	CAMERA TAG



1 KERR DORMITORY & McKEE DINING HALL FIRST FLOOR PLAN
SCALE: 3/32"=1'-0"



2 TATE DORMITORY FIRST FLOOR PLAN
SCALE: 3/32"=1'-0"



3 SITE LEGEND

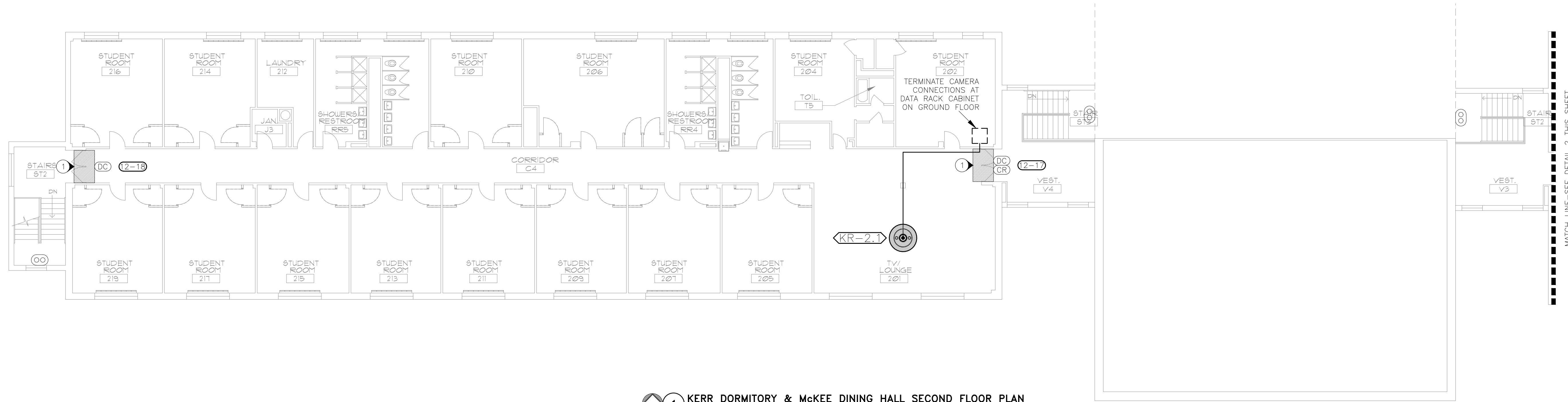
FACILITY #31004- McKEE HALL/EAGLES NEST
FACILITY #31004- KERR DORMITORIES
FACILITY #31004- TATE DORMITORIES

NOTES

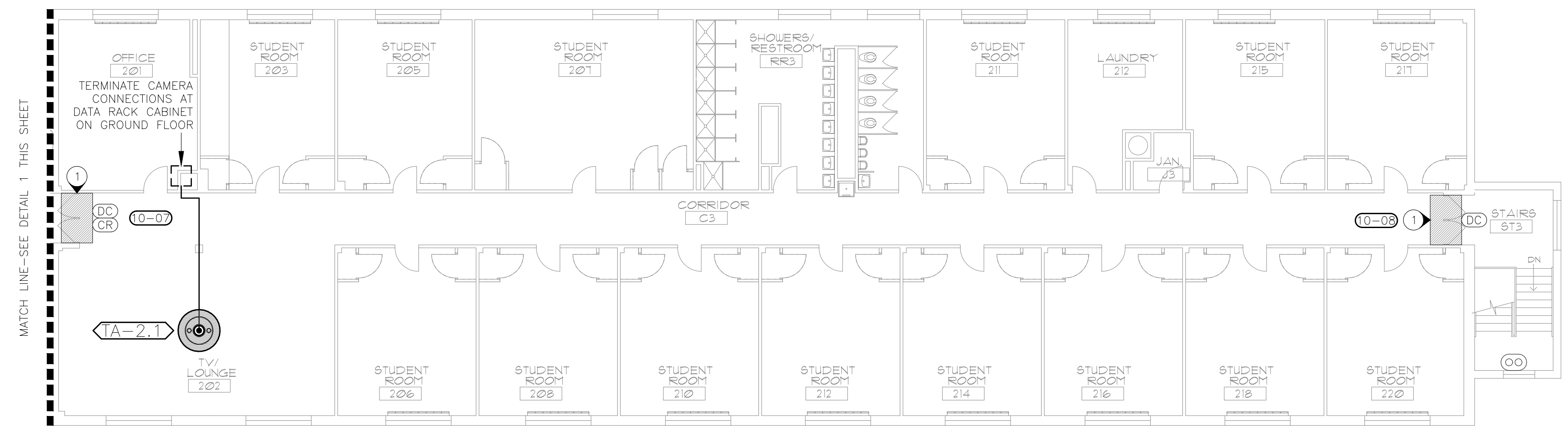
INDICATES KEYED NOTES

- 1 EXISTING DOORS TO REMAIN.
- 2 CAMERAS ARE NOT TO SCALE. COORDINATE WITH OWNER ON EXACT MOUNTING HEIGHT & AIMING OF CAMERAS.

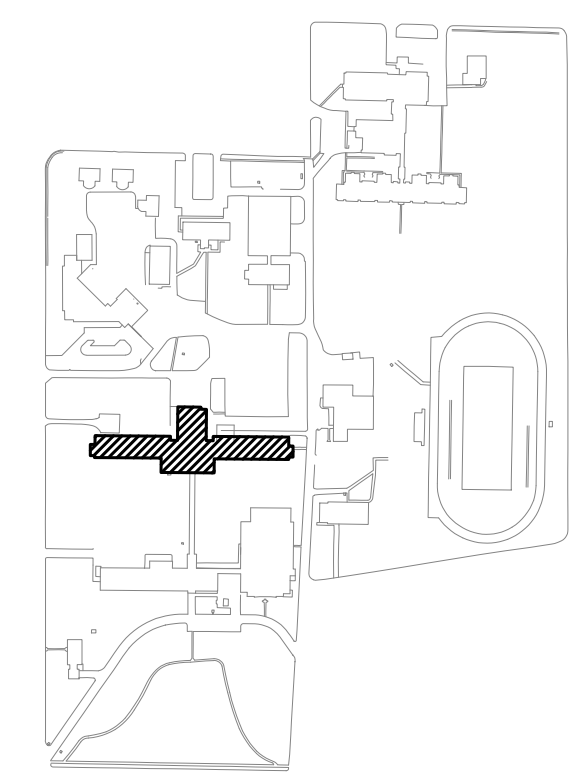
LEGEND	
CR	CARD READER
DC	DOOR CONTACT
⊙	PANORAMIC DOME CAMERA
⊙	CAMERA SHOWN IN OTHER DRAWING
□	DATA RACK CABINET ON DIFFERENT FLOOR
□	EXISTING ELECTRICAL PANEL
00-00	DOOR TAG
XX-00	CAMERA TAG



1 KERR DORMITORY & MCKEE DINING HALL SECOND FLOOR PLAN
SCALE: 3/32"=1'-0"



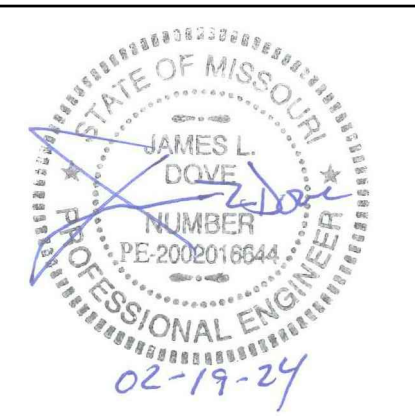
2 TATE DORMITORY SECOND FLOOR PLAN
SCALE: 3/32"=1'-0"



FACILITY #31004- MCKEE HALL/EAGLES NEST
FACILITY #31004- KERR DORMITORIES
FACILITY #31004- TATE DORMITORIES

3 SITE LEGEND

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



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SECONDARY EDUCATION

SITE SECURITY UPGRADE,
SITE WIDE PHASE II

MISSOURI SCHOOL FOR THE
DEAF

FULTON, MISSOURI

PROJECT # E1617-02
SITE# 2490
ASSET# MULTIPLE

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 02/19/2024

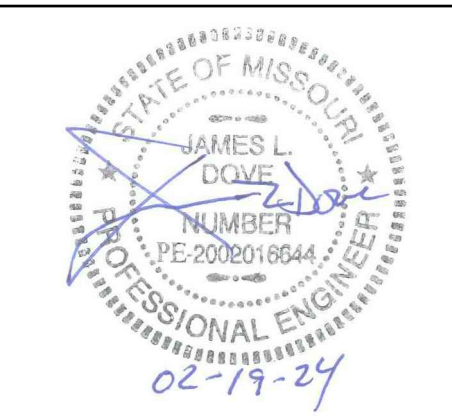
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DRAWN BY: JJS
CHECKED BY: JLD
DESIGNED BY: JLD

SHEET TITLE:
**BUILDING 10, 11, & 12
SECOND FLOOR
ELECTRICAL PLAN**

SHEET NUMBER:

E-105

16 OF 34 SHEETS
02/19/2024



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SITE WIDE PHASE II

MISSOURI SCHOOL FOR THE
DEAF

FULTON, MISSOURI

PROJECT # E1617-02
SITE# 2490
ASSET# MULTIPLE

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 02/19/2024

CAD DWG FILE: MSD-e.dwg
DRAWN BY: JJS
CHECKED BY: JLD
DESIGNED BY: JLD

SHEET TITLE:

BUILDING 9
ELECTRICAL PLAN

SHEET NUMBER:

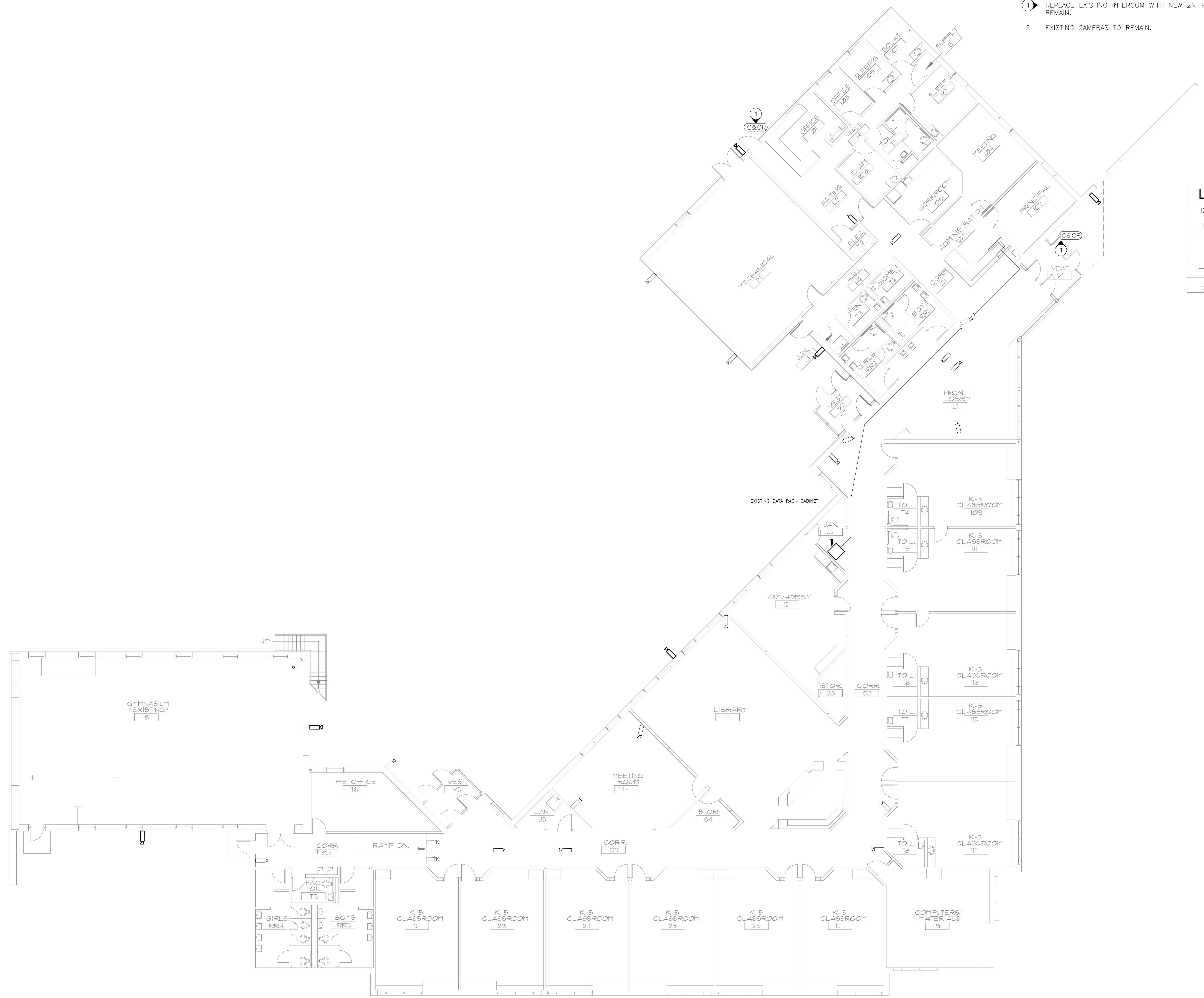
E-106

17 OF 34 SHEETS
02/19/2024

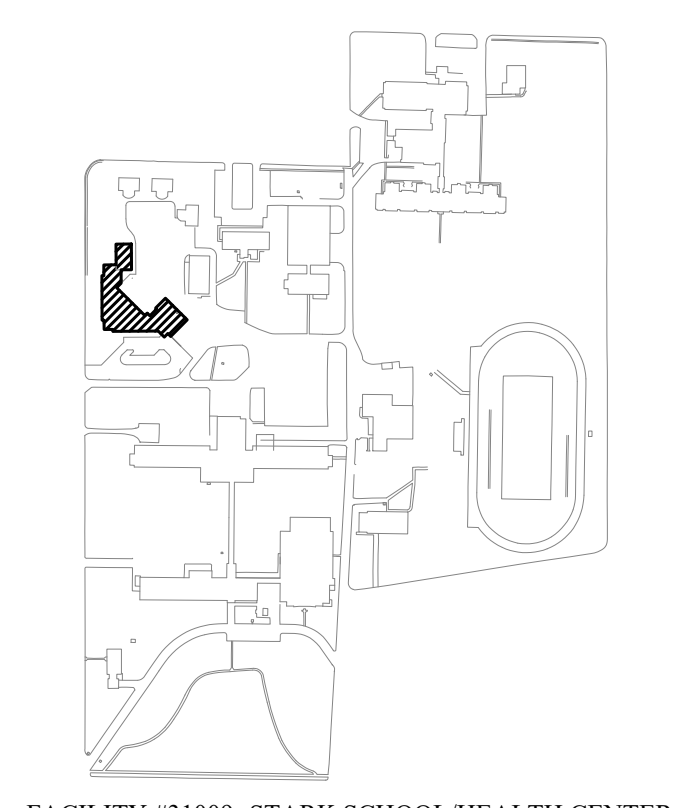
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INDICATES KEYED NOTES

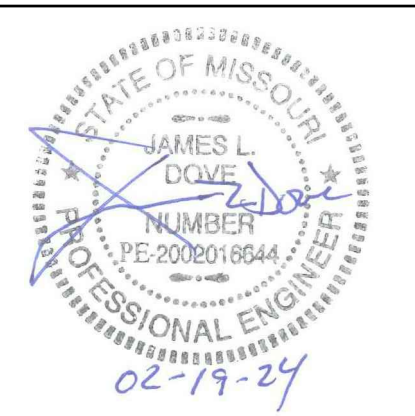
- 1 REPLACE EXISTING INTERCOM WITH NEW 2N IP STYLE INTERCOM OR EQUAL. EXISTING CARD READER IS TO REMAIN.
- 2 EXISTING CAMERAS TO REMAIN.



LEGEND	
IC&CR	A/V INTERCOM W/ BUILT-IN CARD READER
	EXISTING PHASE 1 CAMERA (DIGITAL)
	EXISTING ANALOG CAMERA
	DATA RACK CABINET
	EXISTING ELECTRICAL PANEL
	EXISTING MONITORING STATION



FACILITY #31009- STARK SCHOOL/HEALTH CENTER



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SECONDARY EDUCATION

SITE SECURITY UPGRADE,
SITE WIDE PHASE II

MISSOURI SCHOOL FOR THE
DEAF

FULTON, MISSOURI

PROJECT # E1617-02
SITE# 2490
ASSET# MULTIPLE

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 02/19/2024

CAD DWG FILE: MSD-e.dwg
DRAWN BY: JJS
CHECKED BY: JLD
DESIGNED BY: JLD

SHEET TITLE:

BUILDING 4
ELECTRICAL PLAN

SHEET NUMBER:

E-107

18 OF 34 SHEETS
02/19/2024

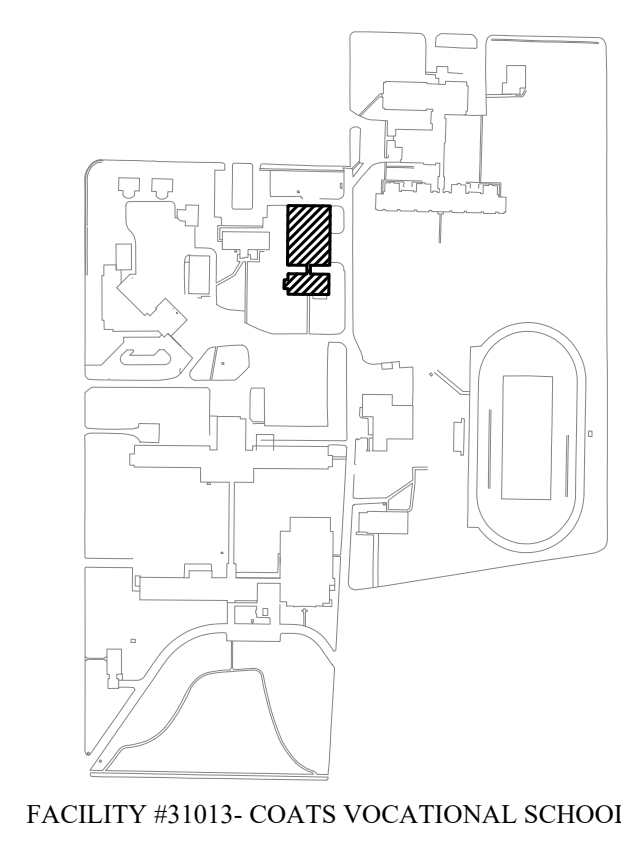
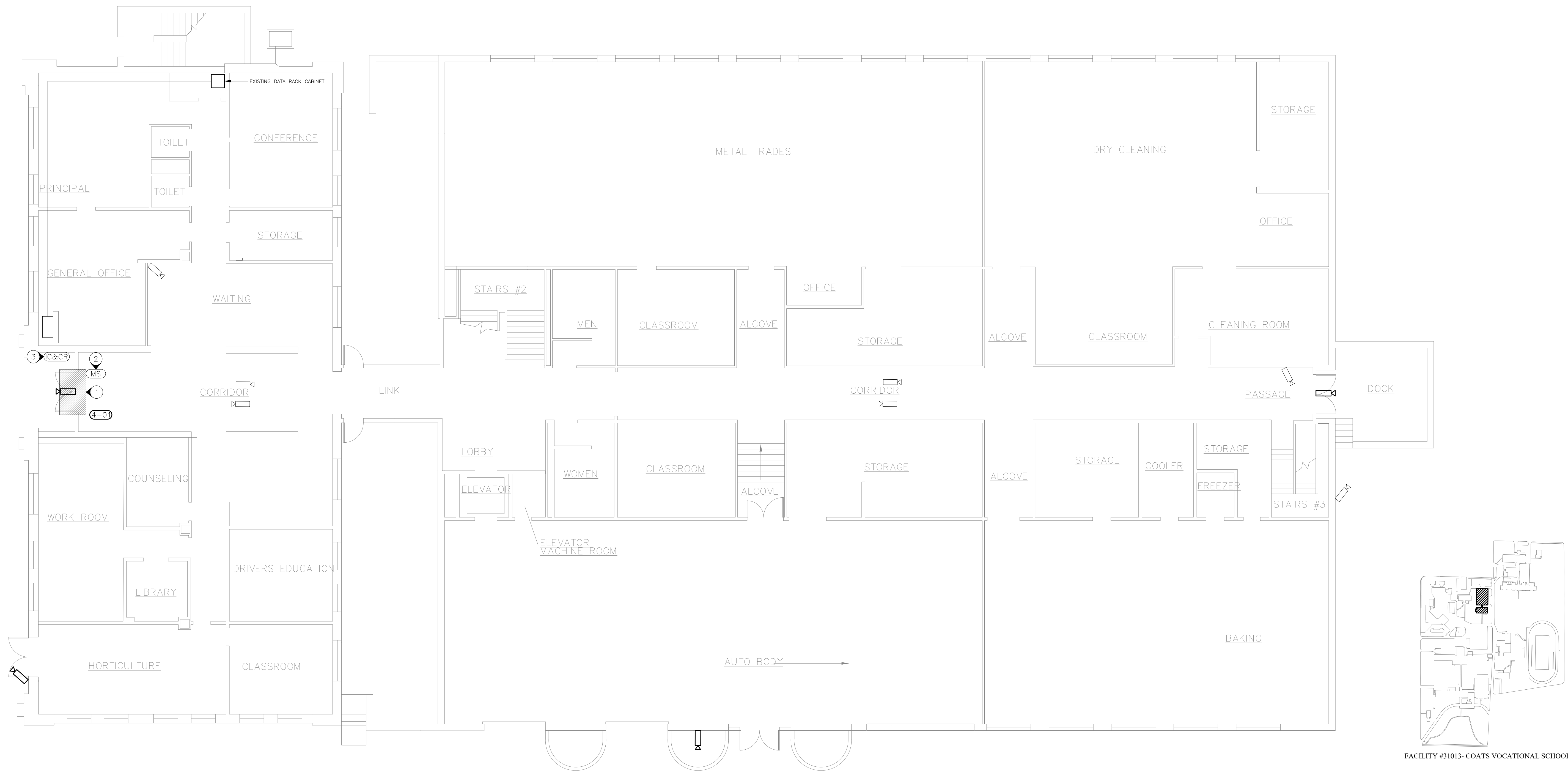
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INDICATES KEYED NOTES

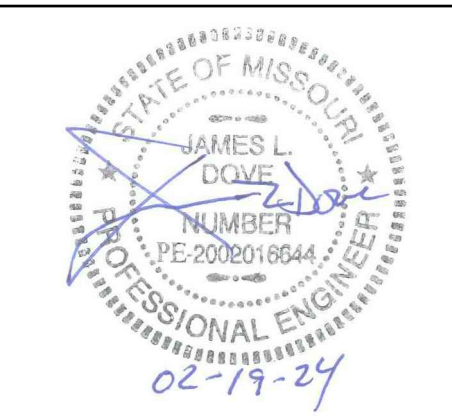
- 1 EXISTING DOORS TO REMAIN.
- 2 MOTION SENSOR CURRENTLY OPENS DOOR WHEN SENSING MOTION. REPROGRAM MOTION SENSOR SO THAT IT DOESN'T OPEN THE DOOR WHENEVER IT SENSES MOTION. COORDINATE WITH OWNER.
- 3 REPLACE EXISTING INTERCOM WITH NEW 2N IP STYLE INTERCOM OR EQUAL. EXISTING CARD READER IS TO REMAIN.
- 4 EXISTING CAMERAS TO REMAIN.

LEGEND

MS	MOTION SENSOR
IC&CR	A/V INTERCOM W/ BUILT-IN CARD READER
	EXISTING PHASE 1 CAMERA (DIGITAL)
	EXISTING ANALOG CAMERA
	OUTDOOR DOME CAMERA
	INDOOR DOME CAMERA
	DATA RACK CABINET
	EXISTING ELECTRICAL PANEL
	EXISTING MONITORING STATION
	DOOR TAG



FACILITY #31013- COATS VOCATIONAL SCHOOL



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SECONDARY EDUCATION

SITE SECURITY UPGRADE,
SITE WIDE PHASE II

MISSOURI SCHOOL FOR THE
DEAF

FULTON, MISSOURI

PROJECT # E1617-02
SITE# 2490
ASSET# MULTIPLE

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 02/19/2024

CAD DWG FILE: MSD-e.dwg
DRAWN BY: JJS
CHECKED BY: JLD
DESIGNED BY: JLD

SHEET TITLE:

**BUILDING 18
ELECTRICAL PLAN**

SHEET NUMBER:

E-108

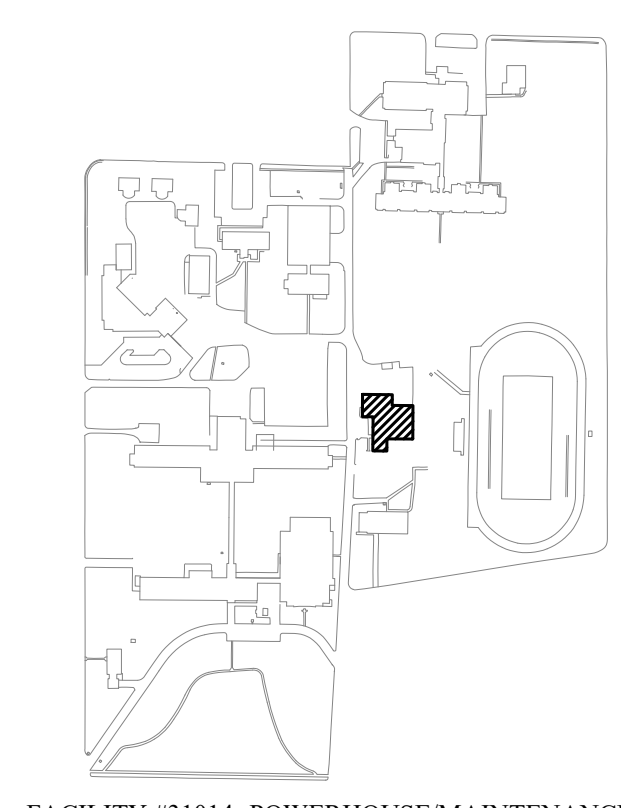
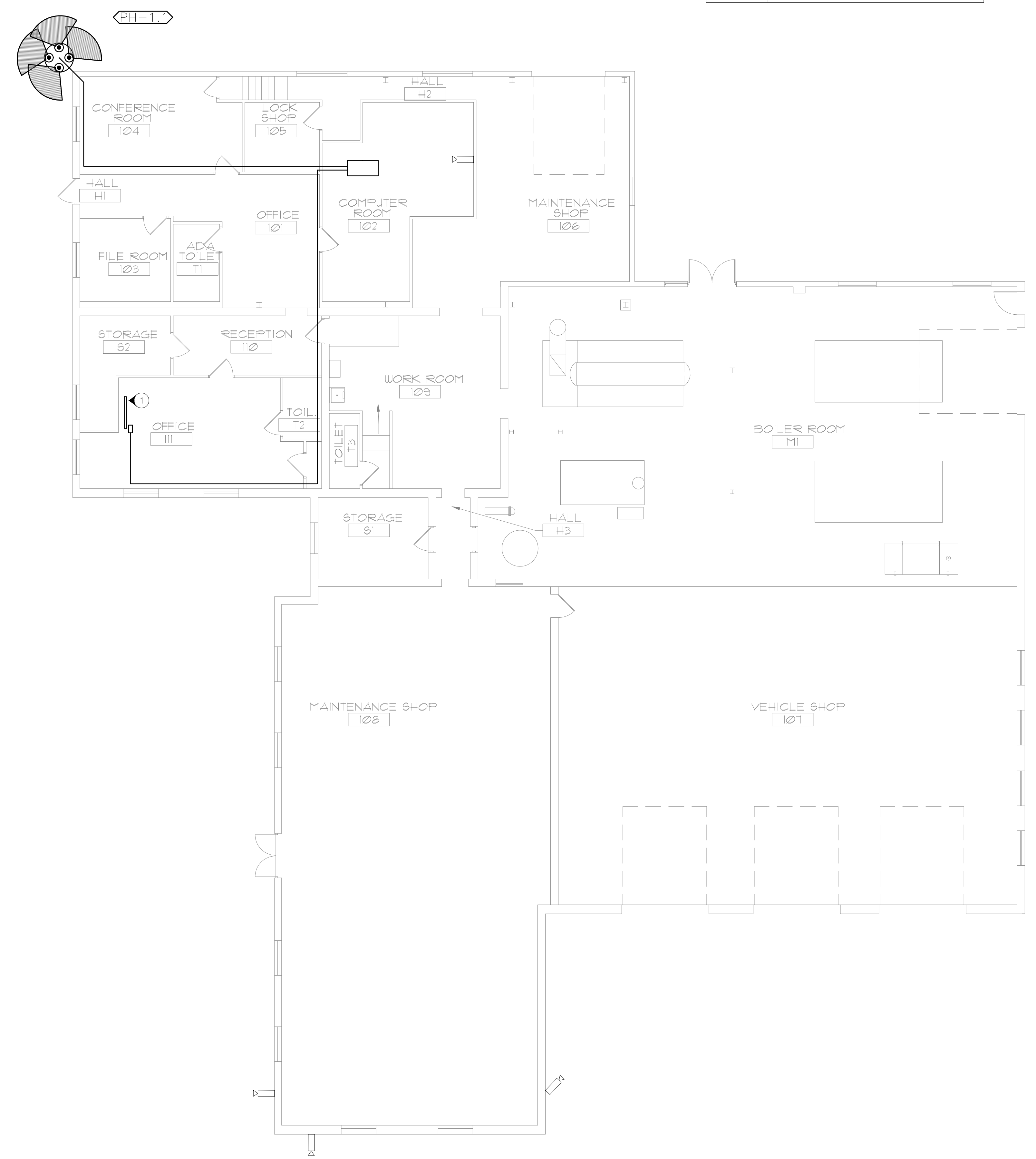
19 OF 34 SHEETS
02/19/2024

LEGEND	
	4 LENS DOME CAMERA
	EXISTING ANALOG CAMERA
	NEW GENETEC SERVER
	EXISTING ELECTRICAL PANEL
	CAMERA TAG

NOTES

INDICATES KEYED NOTES

- ADD A WALL MOUNTED VIDEO MONITORING STATION. PLACEMENT OF MONITOR SHALL BE COORDINATED WITH OWNER TO PROVIDE BEST VIEWING ANGLE.
- CAMERAS ARE NOT TO SCALE. COORDINATE WITH OWNER ON EXACT MOUNTING HEIGHT & AIMING OF CAMERAS.



FACILITY #31014- POWERHOUSE/MAINTENANCE

NOTES

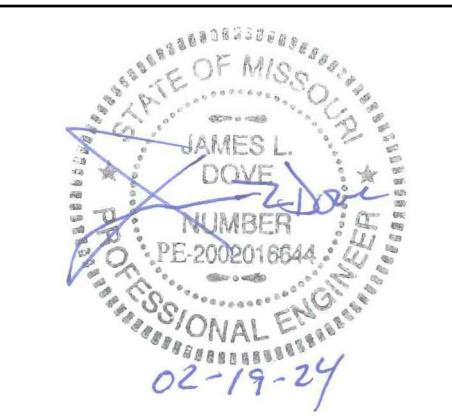
INDICATES KEYED NOTES

- 1 FOR A DOOR THAT REQUIRES NEW ADA OPENING, CONTRACTOR TO RUN (1) 20A, 120V CIRCUIT FROM CLOSEST ELECTRICAL CIRCUIT TO JUNCTION BOX ABOVE DOOR FOR POWER ASSIST AS NEEDED. SUPPLY ANY NEW TRANSFORMERS, LOW VOLTAGE WIRE, AND CABLE AS NEEDED. ELC TO VERIFY CIRCUITING.
- 2 CAMERAS ARE NOT TO SCALE. COORDINATE WITH OWNER ON EXACT MOUNTING HEIGHT & AIMING OF CAMERAS.

LEGEND

ADA	INTERNAL & EXTERNAL DOOR CONTROLS
CR	CARD READER
DC	DOOR CONTACT
IC&CR	A/V INTERCOM W/ BUILT-IN CARD READER
REPLACE	INSTALL NEW DOOR EQUAL TO EXISTING
	EXISTING ANALOG CAMERA
	OUTDOOR DOME CAMERA
	INDOOR DOME CAMERA
	PANORAMIC DOME CAMERA
	2 LENS DOME CAMERA
	DATA RACK CABINET
	DATA RACK CABINET ON DIFFERENT FLOOR
	MONITORING STATION
	JUNCTION BOX
	HOME RUN-SHORT STROKES INDICATE PHASE OR SWITCHED WIRES, LONG STROKE INDICATE NEUTRAL, LONG WITH DOT INDICATE GROUND
	EXISTING ELECTRICAL PANEL
	DOOR TAG
	CAMERA TAG

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SITE SECURITY UPGRADE,
SITE WIDE PHASE II

MISSOURI SCHOOL FOR THE
DEAF

FULTON, MISSOURI

PROJECT # E1617-02
SITE# 2490
ASSET# MULTIPLE

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CAD DWG FILE: MSD-e.dwg
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CHECKED BY: JLD
DESIGNED BY: JLD

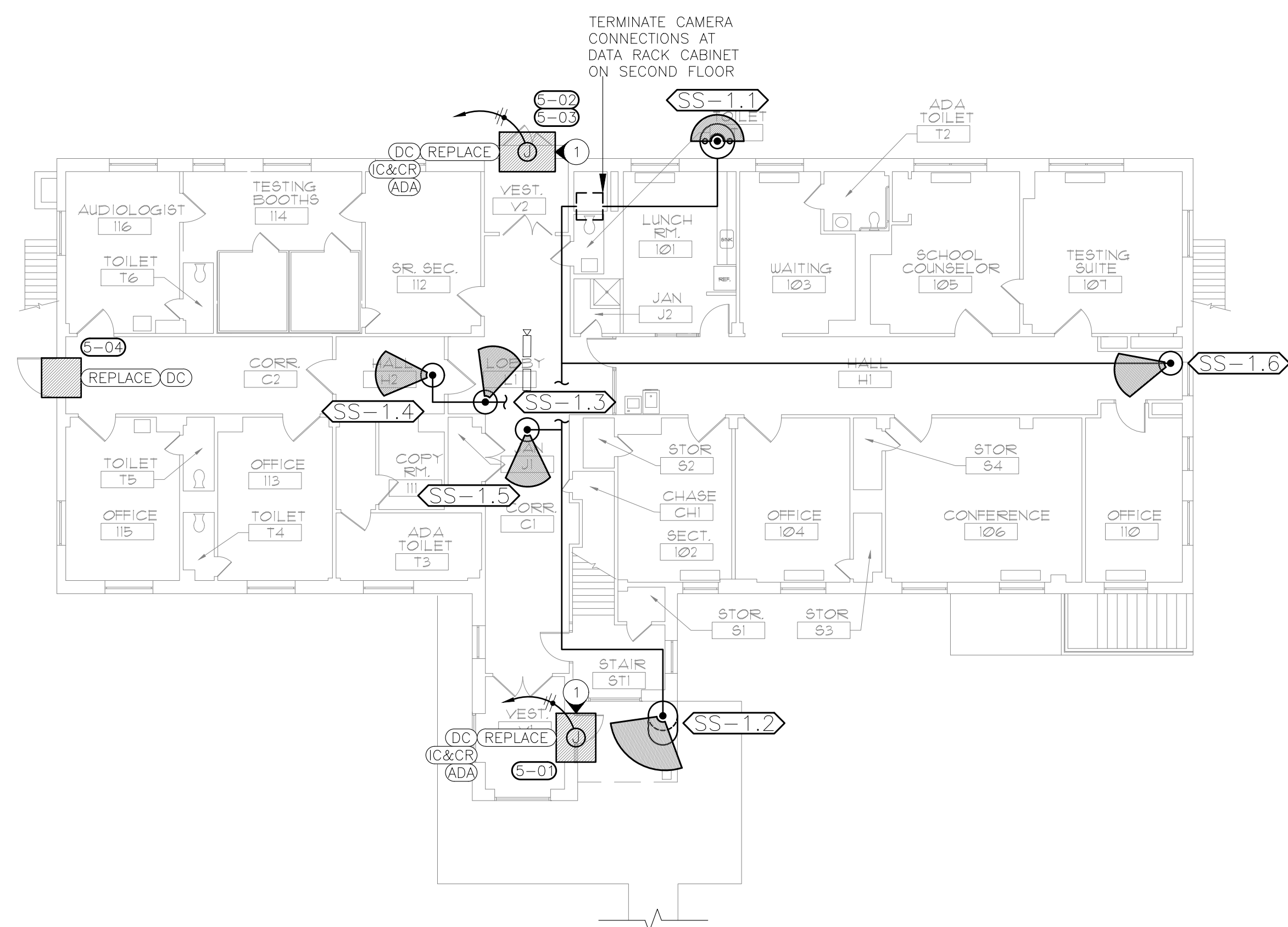
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**BUILDING 5
ELECTRICAL PLAN**

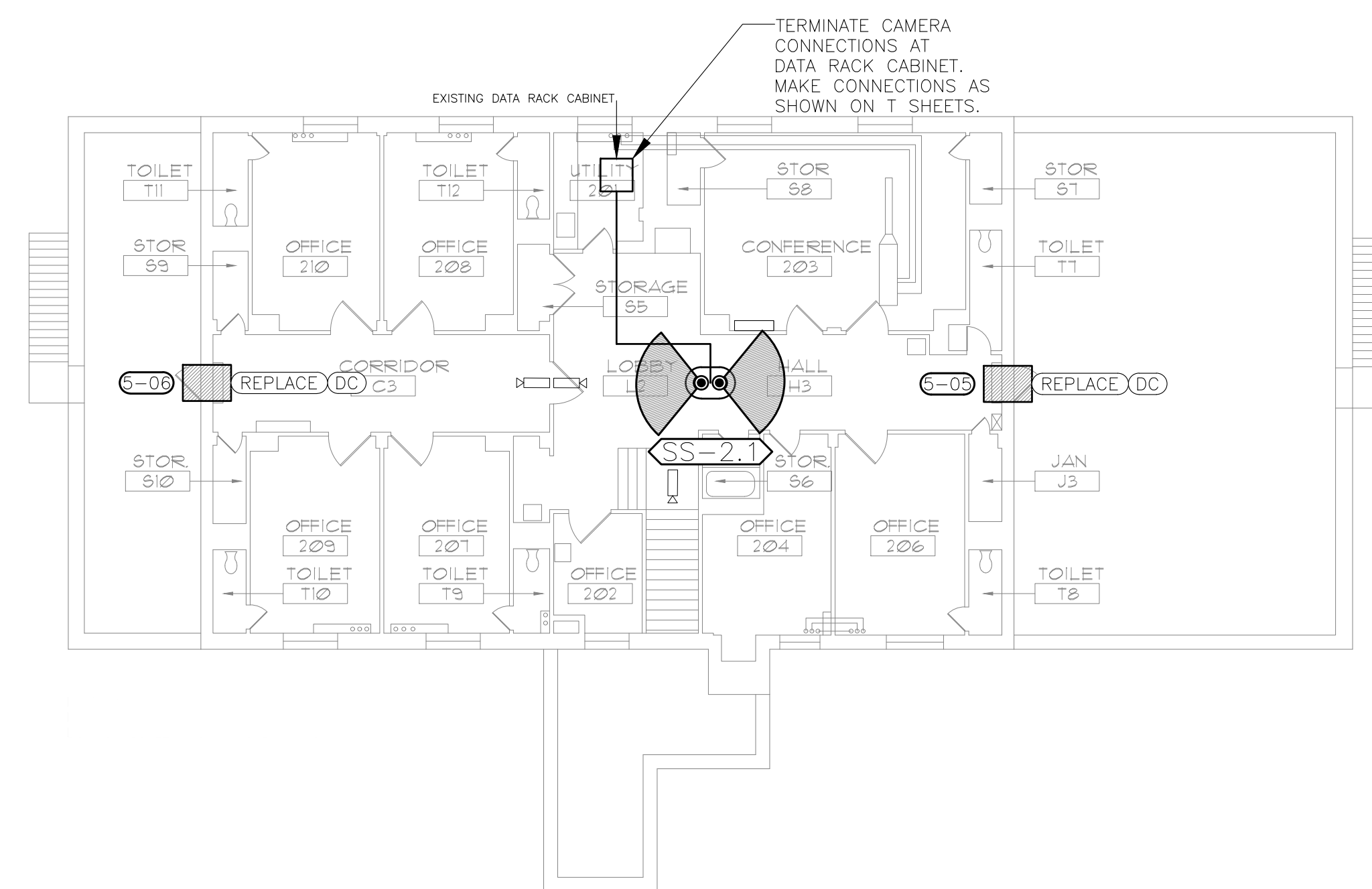
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E-109

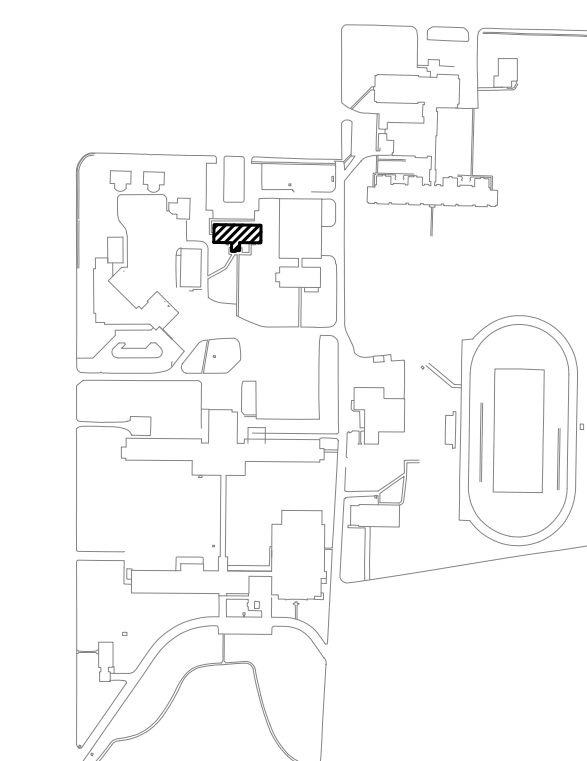
20 OF 34 SHEETS
02/19/2024



1 RESOURCE CENTER/STUDENT SERVICES BUILDING FIRST FLOOR PLAN
SCALE: 3/32"=1'-0"



2 RESOURCE CENTER/STUDENT SERVICES BUILDING SECOND FLOOR PLAN
SCALE: 3/32"=1'-0"






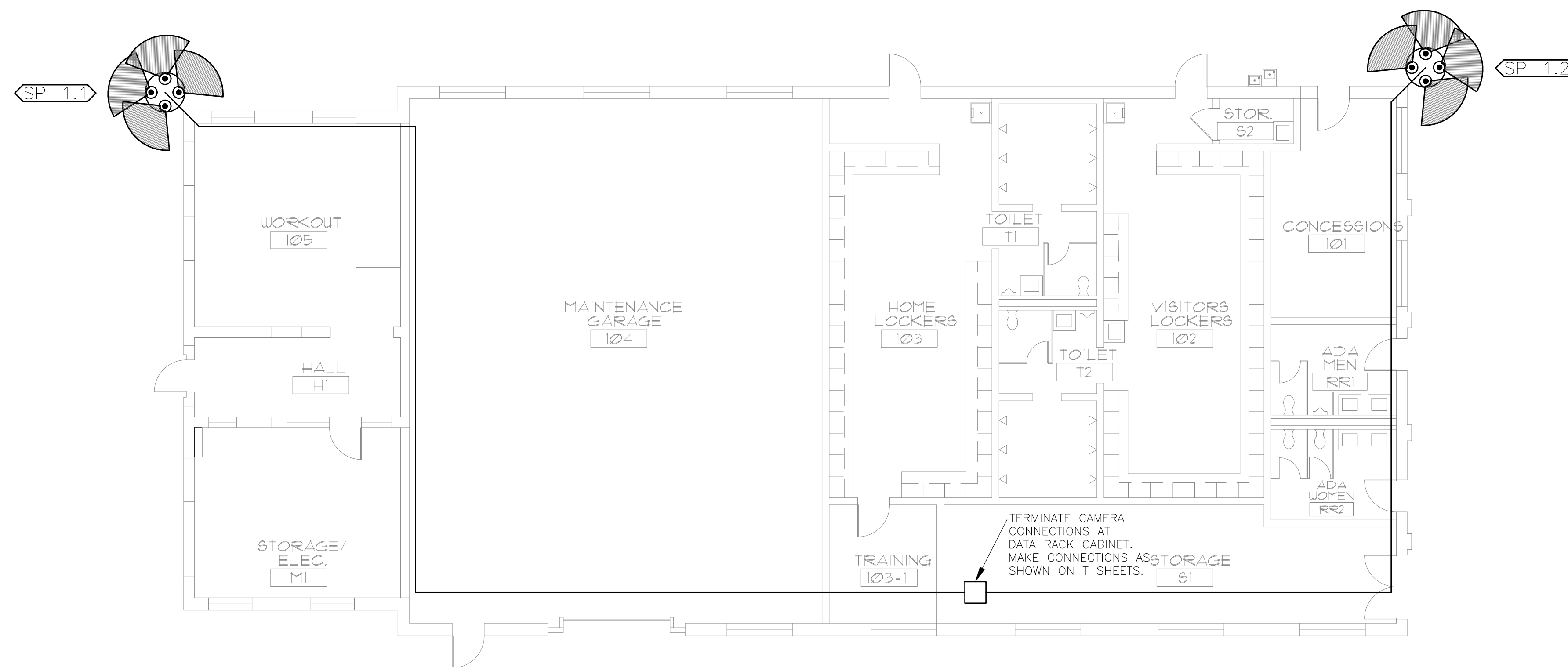
3 SITE LEGEND
FACILITY #31015- RESOURCE CENTER/STUDENT SERVICES BUILDING

NOTES

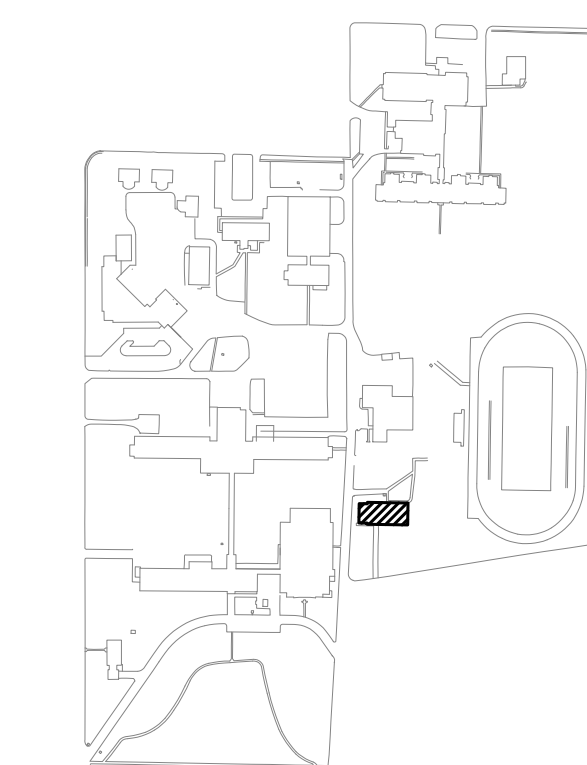
INDICATES KEYED NOTES

1 CAMERAS ARE NOT TO SCALE. COORDINATE WITH OWNER ON EXACT MOUNTING HEIGHT & AIMING OF CAMERAS.

LEGEND	
	4 LENS DOME CAMERA
	DATA RACK CABINET
	CAMERA TAG



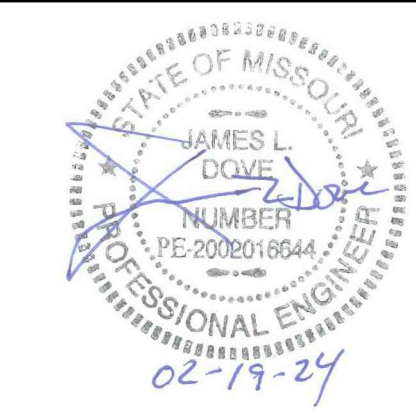
1 SHIPMAN BUILDING FLOOR PLAN
SCALE: 1/8"=1'-0"



FACILITY #31016- SHIPMAN BUILDING

2 SITE LEGEND

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DRAWN BY: JJS
CHECKED BY: JLD
DESIGNED BY: JLD

SHEET TITLE:

**BUILDING 13
ELECTRICAL PLAN**

SHEET NUMBER:

E-110

21 OF 34 SHEETS
02/19/2024

NOTES

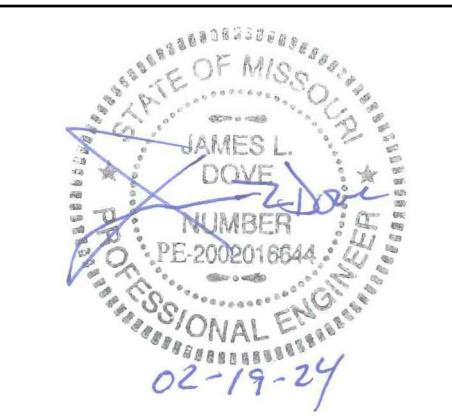
INDICATES KEYED NOTES

- 1 EXISTING DOORS TO REMAIN.
- 2 CAMERAS ARE NOT TO SCALE. COORDINATE WITH OWNER ON EXACT MOUNTING HEIGHT & AIMING OF CAMERAS.

LEGEND

CR	CARD READER
DC	DOOR CONTACT
IC&CR	A/V INTERCOM W/ BUILT-IN CARD READER
	EXISTING ANALOG CAMERA
	OUTDOOR DOME CAMERA
	INDOOR DOME CAMERA
	OUTDOOR BULLET CAMERA
	2 LENS DOME CAMERA
	DATA RACK CABINET
	EXISTING ELECTRICAL PANEL
	DOOR TAG
	CAMERA TAG

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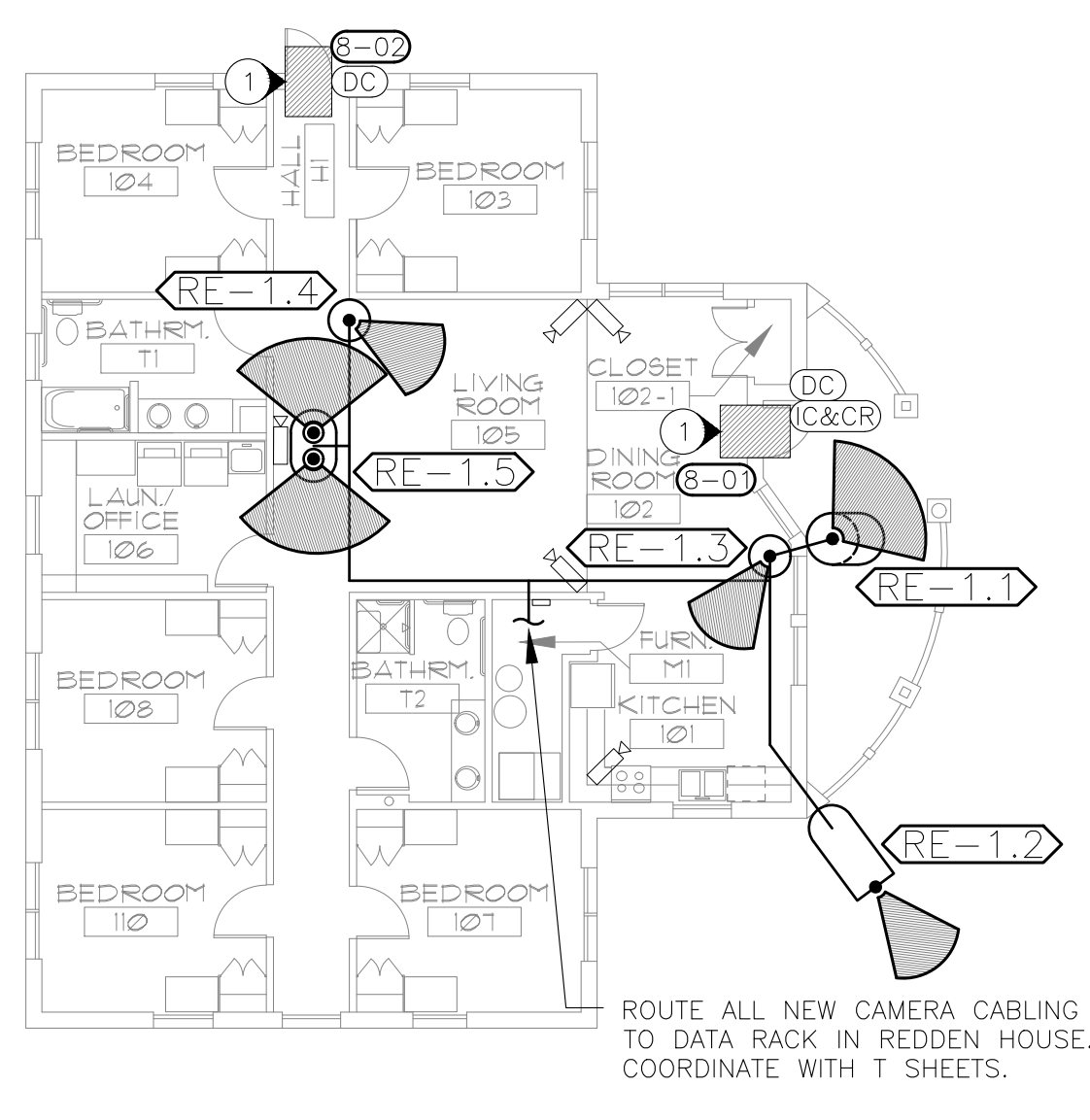
SHEET TITLE:

**BUILDING 6, 7, & 8
ELECTRICAL PLAN**

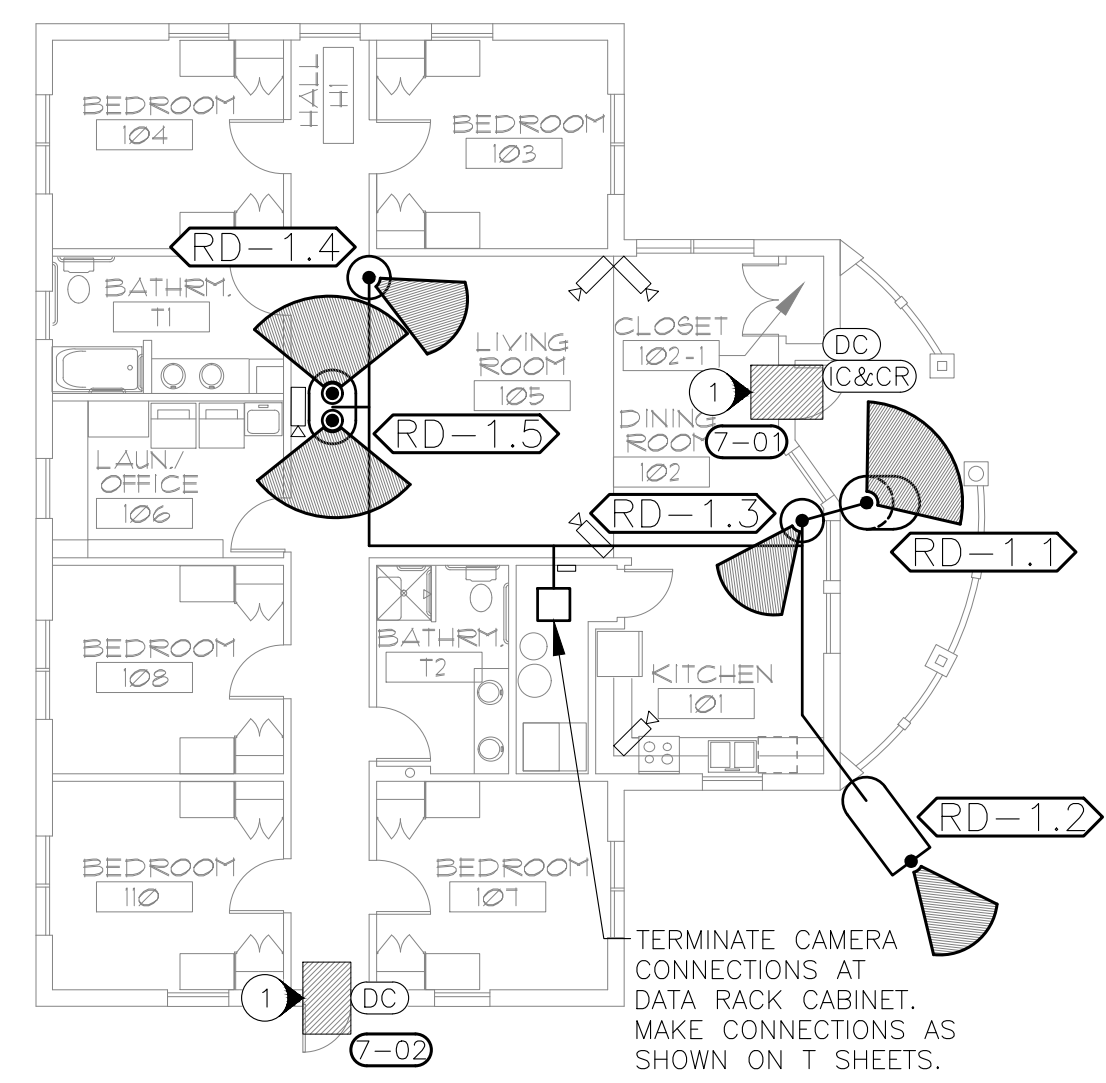
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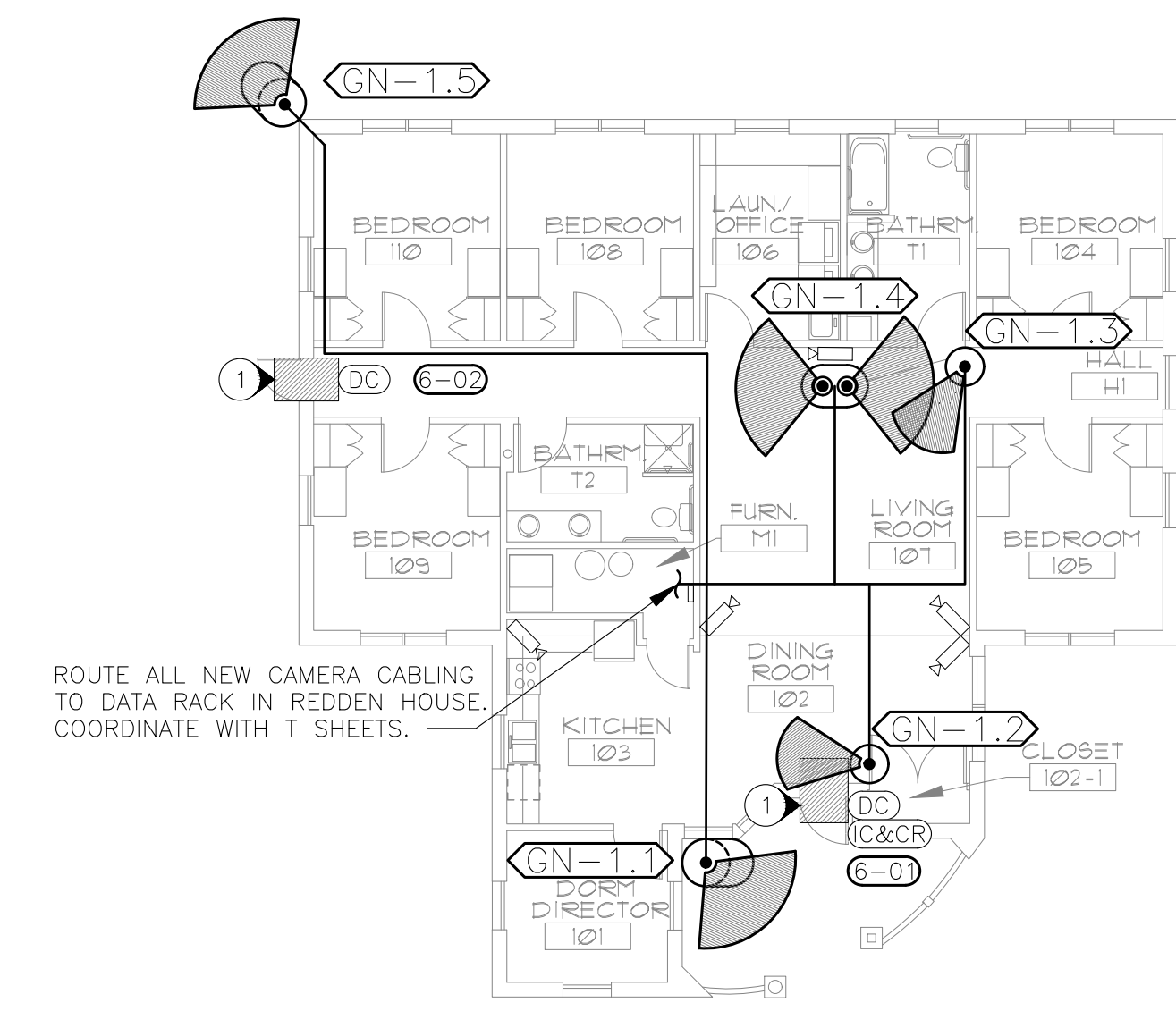
22 OF 34 SHEETS
02/19/2024



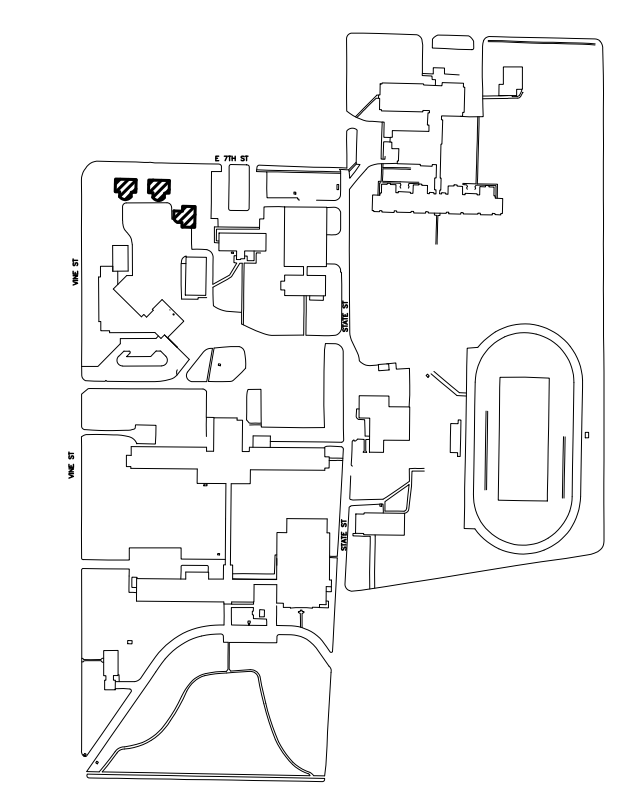
1 REID HOUSE FLOOR PLAN
SCALE: 3/32"=1'-0"



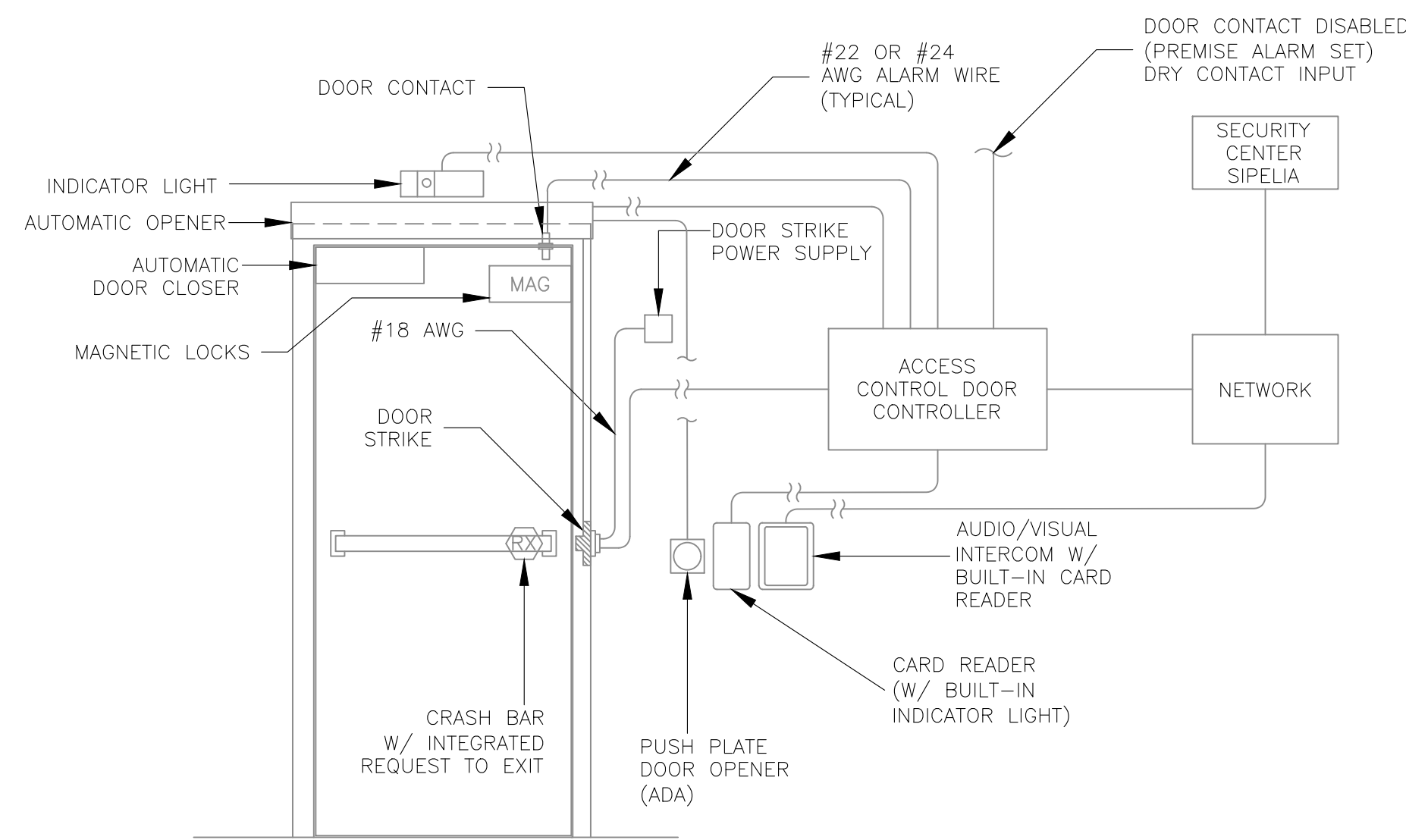
2 REDDEN HOUSE FLOOR PLAN
SCALE: 3/32"=1'-0"



3 GANNON HOUSE FLOOR PLAN
SCALE: 3/32"=1'-0"

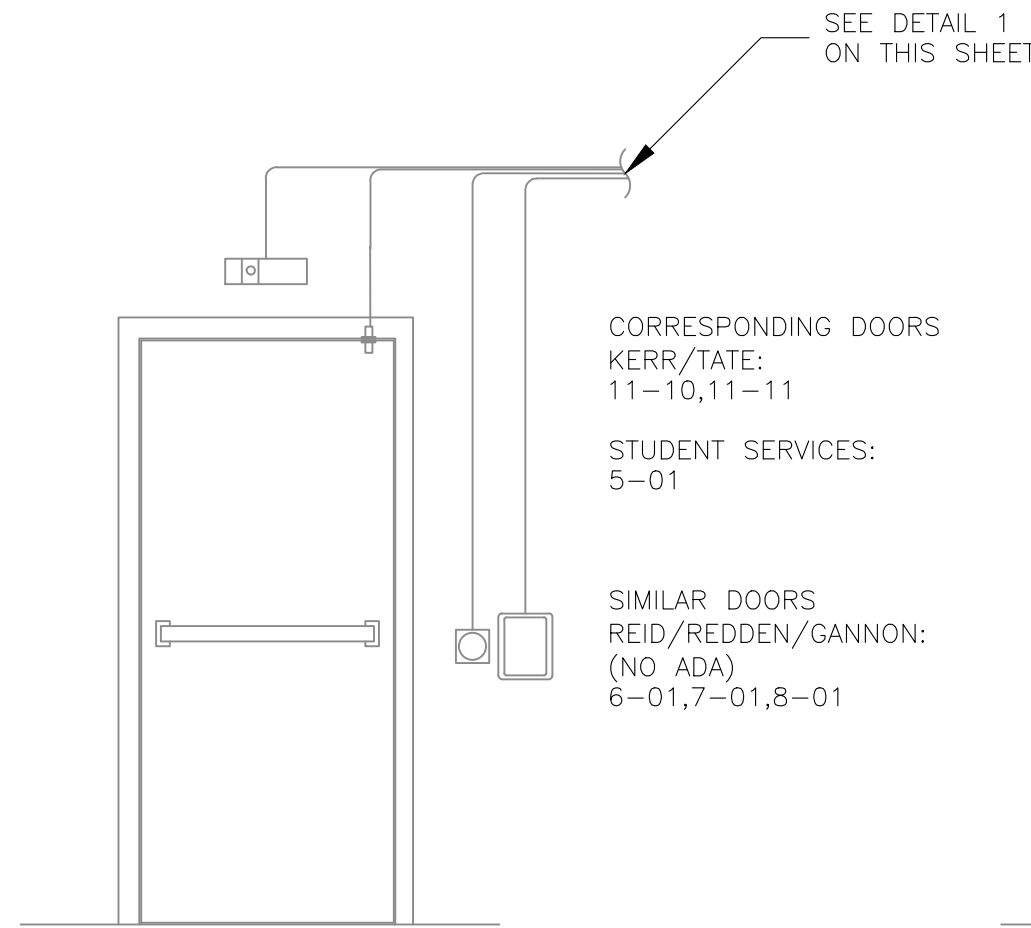


4 SITE LEGEND



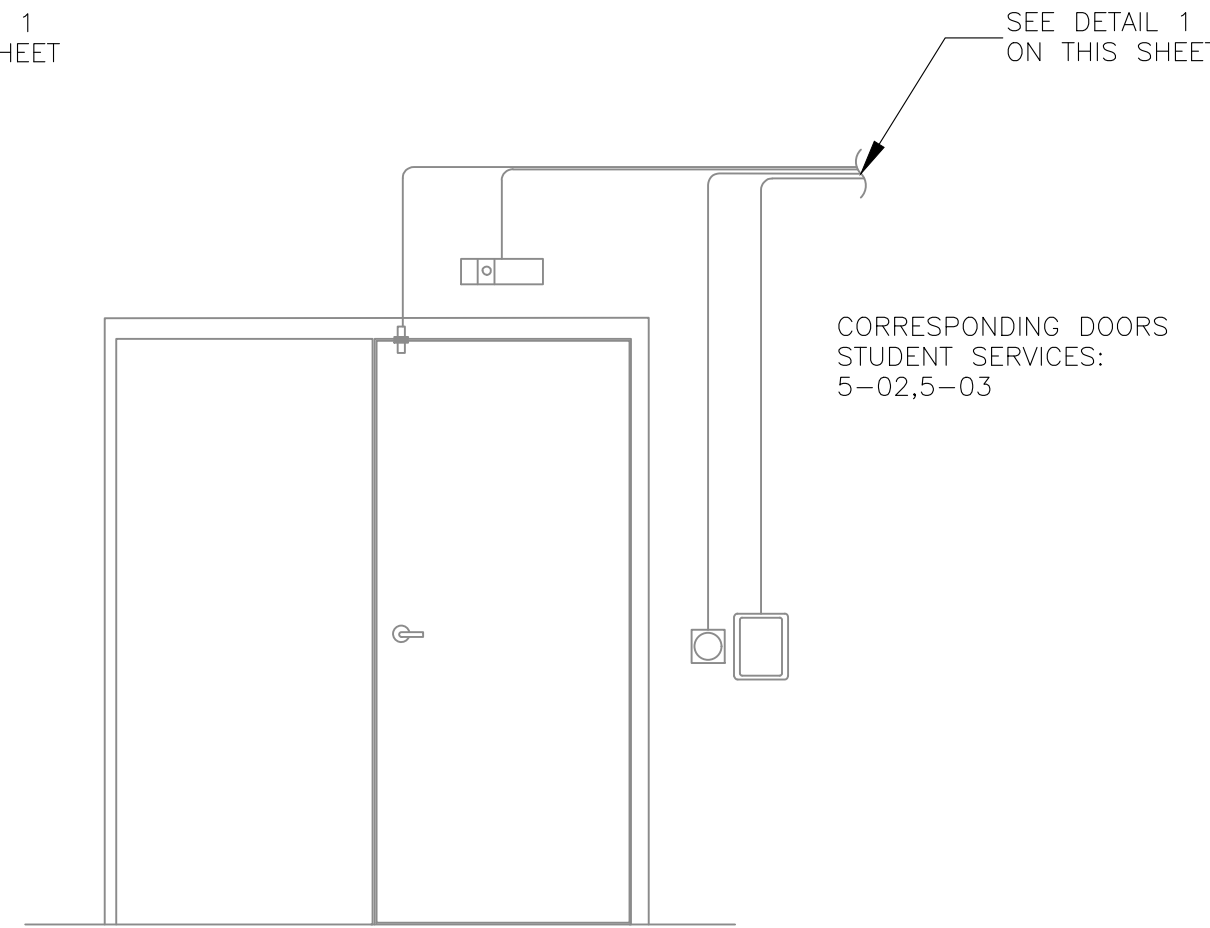
1 TYPICAL DOOR CONTROL DETAIL
NO SCALE

THIS DETAIL IS SCHEMATIC IN NATURE AND SHOWS ALL INNER WORKINGS OF ALL SYSTEMS. DOORS MAY VARY IN SYSTEM TO BE INSTALLED OR REWORKED. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR HARDWARE REQUIRED.



2 SINGLE DOOR INTERCOM DETAIL
NO SCALE

CORRESPONDING DOORS
KERR/TATE:
11-10,11-11
STUDENT SERVICES:
5-01
SIMILAR DOORS
REID/REDDEN/GANNON:
(NO ADA)
6-01,7-01,8-01



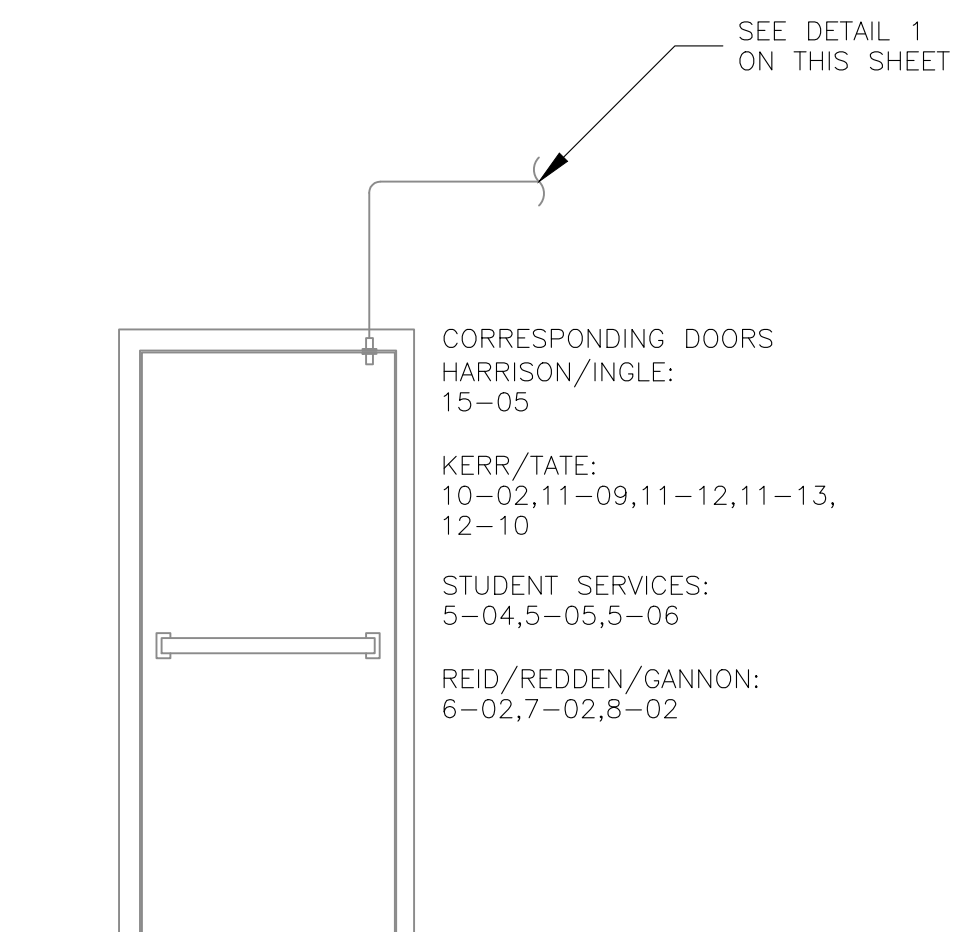
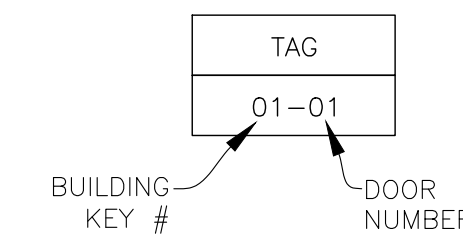
3 DOUBLE DOOR INTERCOM W/ HINGED LEAF DOOR DETAIL
NO SCALE

CORRESPONDING DOORS
STUDENT SERVICES:
5-02,5-03

NOTES

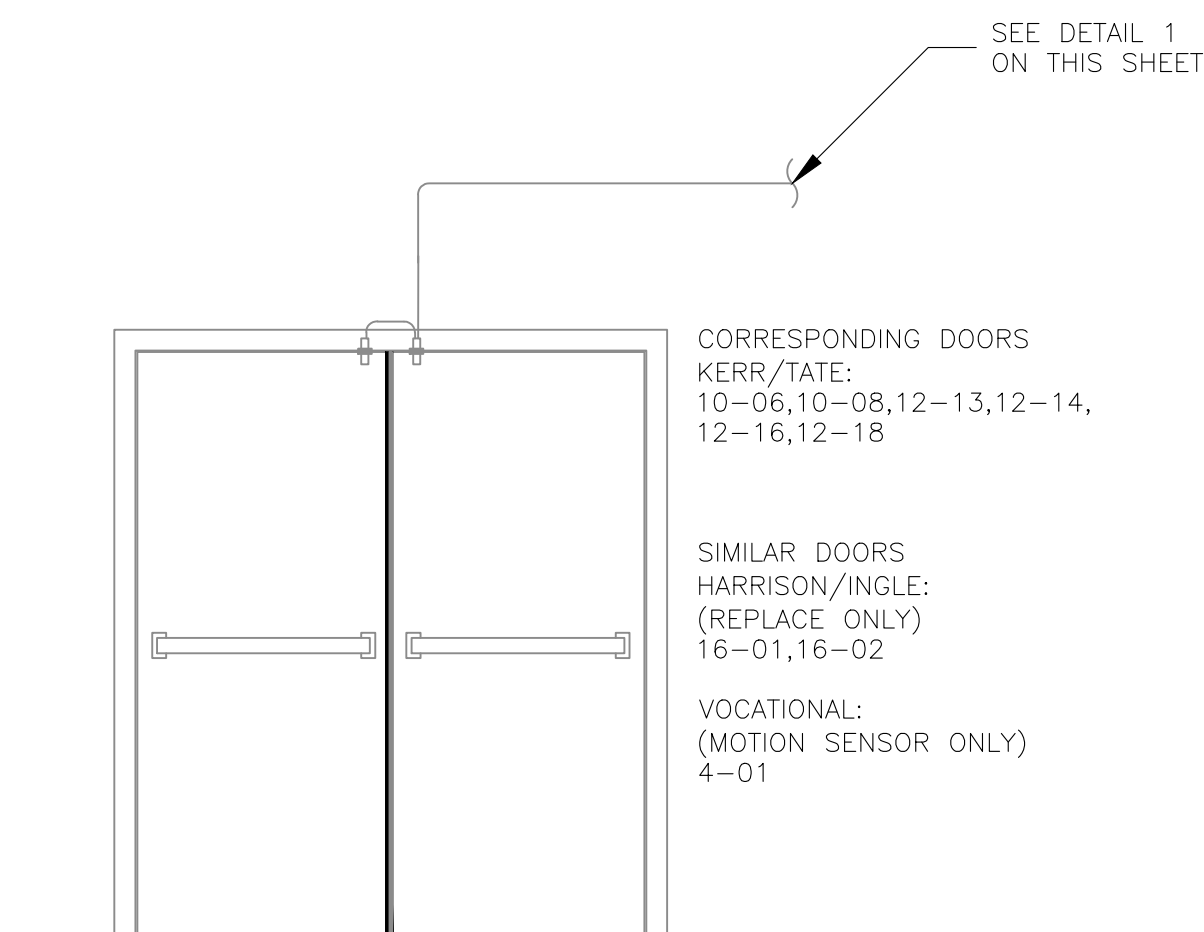
INDICATES KEYED NOTES

- NOT ALL DOORS LISTED ARE TO BE REPLACED. SEE ARCHITECTURAL DRAWINGS FOR WHICH DOORS ARE TO BE REPLACED AS WELL AS FOR NEW EQUIPMENT BEING INSTALLED.
- DOOR CONTACTS ARE TO BE INSTALLED ON THE OPPOSITE SIDE OF THE HINGE.
- CARD READERS AND INTERCOMS ARE TO BE INSTALLED ON THE UNSECURED SIDE OF THE DOOR.
- ADA PUSH PLATES ARE TO BE INSTALLED OR REPLACED ON BOTH SIDES OF THE DOOR. ADA AUTOMATIC OPENERS ARE TO BE INSTALLED OR REPLACED ON THE SECURE SIDE OF THE DOOR. FOR DOUBLE DOORS (OR MORE) WITH ADA, AUTOMATIC OPENERS ARE TO BE INSTALLED OR REPLACED ON THE DOOR CLOSEST TO THE PUSH PLATES. AUTOMATIC OPENERS ARE NOT TO OPEN DOORS THAT ARE UNLOCKED, I.E. REQUIRES CARD READER OR INTERCOM ACCESS TO UNLOCK.
- CABLE TO BE INSTALLED ON THE SECURE SIDE OF THE DOOR WHENEVER POSSIBLE.
- INDICATOR LIGHTS ARE TO BE INSTALLED ON DOORS W/ INTERCOMS. THIS INCLUDES ALL DOORS W/ INTERCOMS FROM PHASE 1.
- DOOR STRIKES ARE TO BE INSTALLED ON DOORS WITH CARD READERS AND INTERCOMS.
- MAGNETIC LOCKS ARE TO BE INSTALLED OR REPLACED ON FIRE DOORS. COORDINATE W/ ARCHITECT TO DETERMINE WHICH DOORS ARE FIRE DOORS.
- INTEGRATED REQUEST TO EXIT IS TO BE INSTALLED OR REPLACED ON DOORS W/ CRASH BARS. COORDINATE W/ ARCHITECT TO DETERMINE WHICH DOORS HAVE CRASH BARS.
- EXISTING AUTOMATIC DOOR CLOSERS ARE TO TO BE REMOVED AND REPLACED ON DOORS BEING REPLACED. COORDINATE W/ ARCHITECT TO DETERMINE WHICH DOORS BEING REPLACED HAVE AUTOMATIC DOOR CLOSERS.
- SEE DETAIL 1 FOR ALL DOOR EQUIPMENT AND CONNECTIONS.
- CARD READER TO BE INSTALLED ON EXISTING OUTSIDE POST.



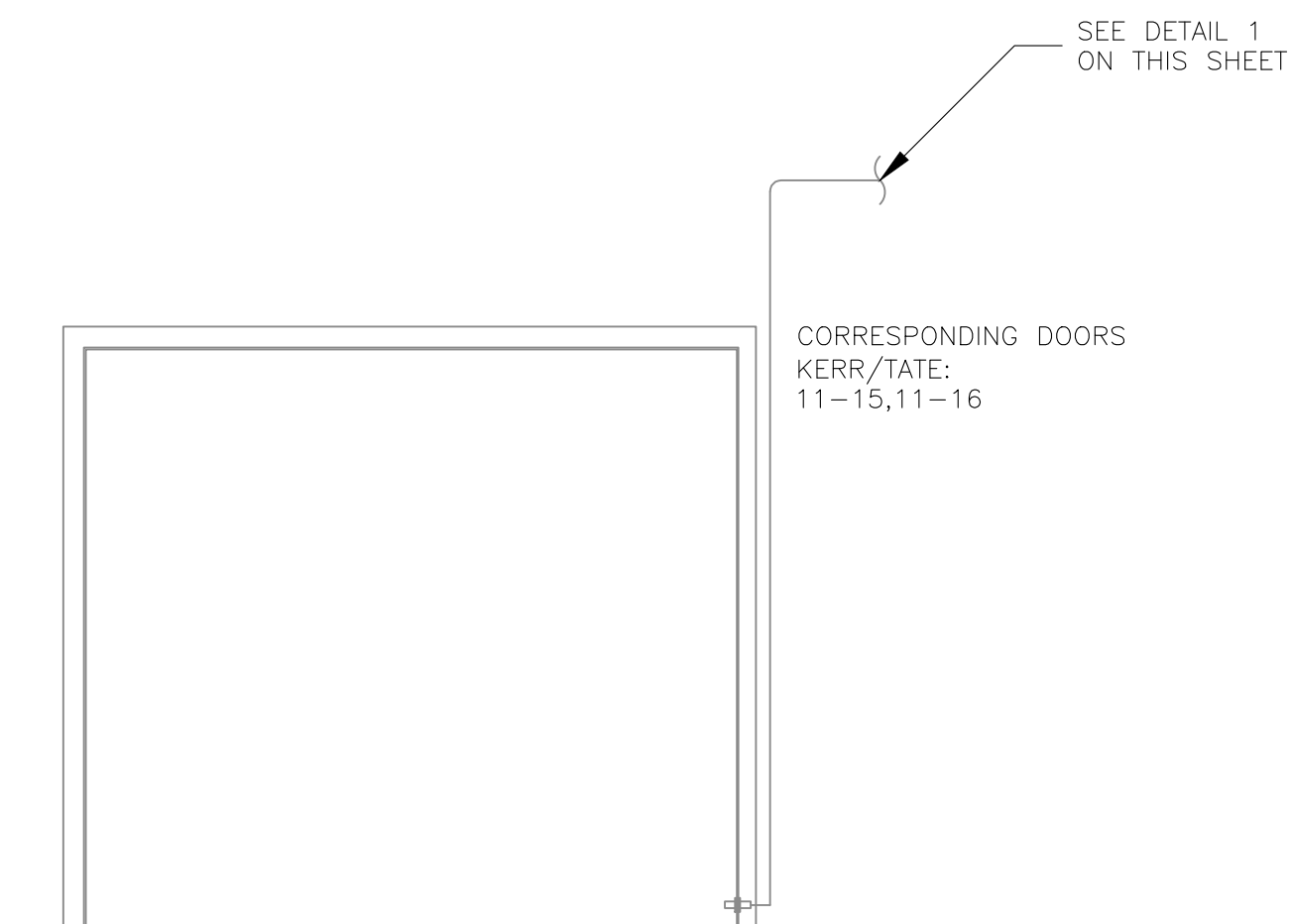
4 SINGLE DOOR CONTACT DETAIL
NO SCALE

CORRESPONDING DOORS
HARRISON/INGLE:
15-05
KERR/TATE:
10-02,11-09,11-12,11-13,
12-10
STUDENT SERVICES:
5-04,5-05,5-06
REID/REDDEN/GANNON:
6-02,7-02,8-02



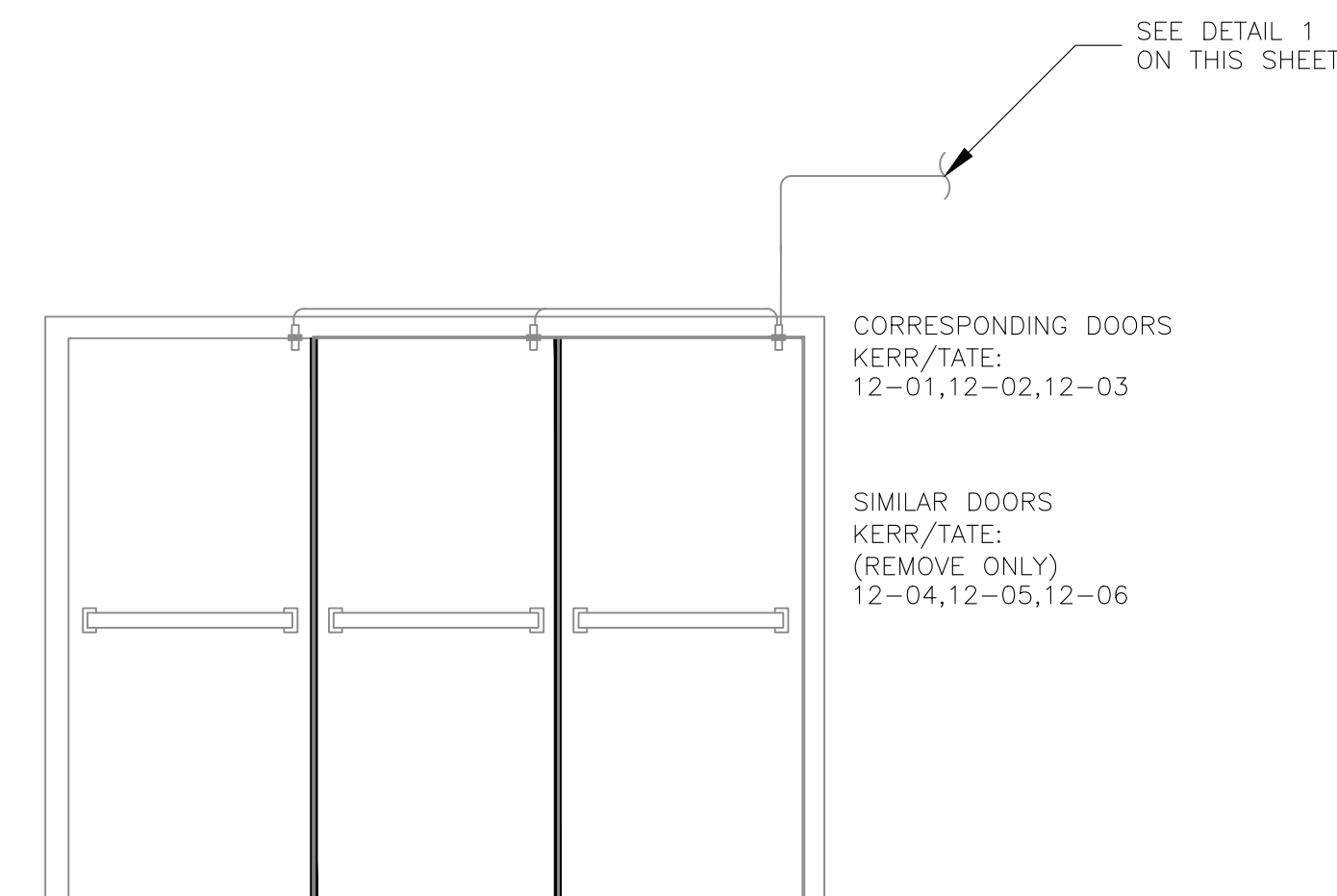
5 DOUBLE DOOR CONTACT DETAIL
NO SCALE

CORRESPONDING DOORS
KERR/TATE:
10-06,10-08,12-13,12-14,
12-16,12-18
SIMILAR DOORS
HARRISON/INGLE:
(REPLACE ONLY)
16-01,16-02
VOCATIONAL:
(MOTION SENSOR ONLY)
4-01



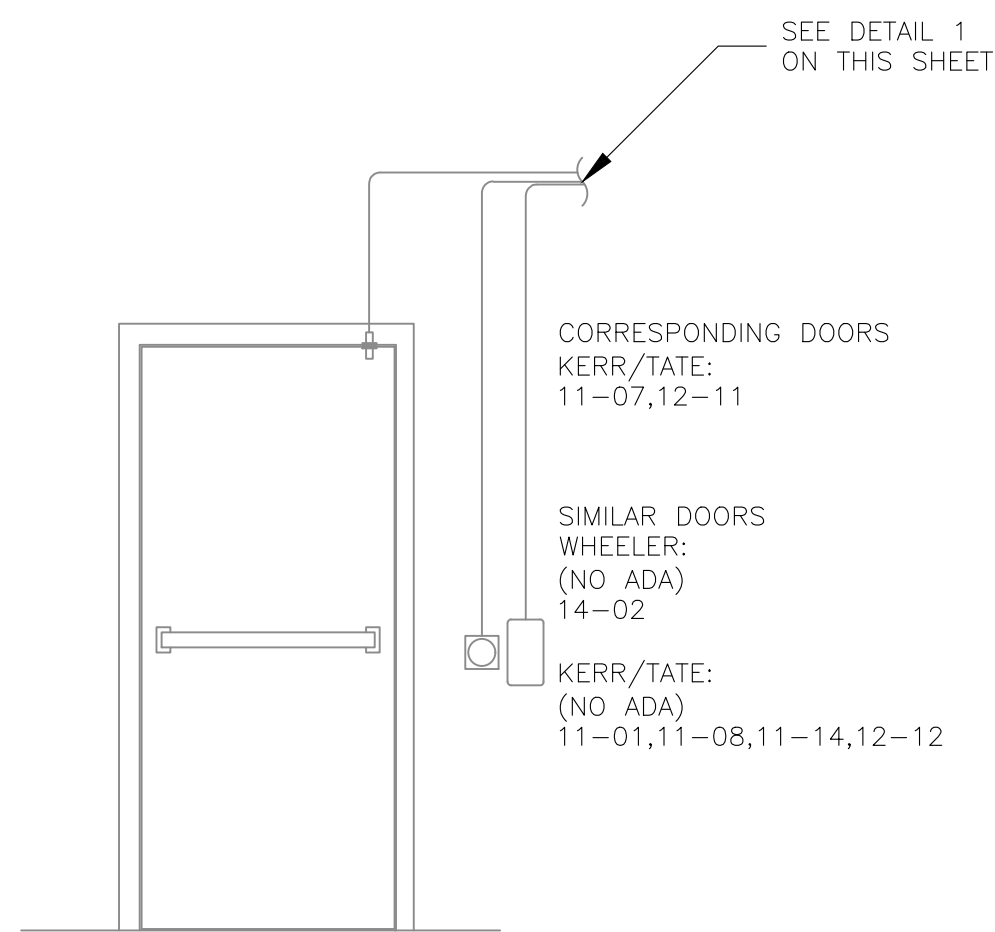
6 DOCKING DOOR CONTACT DETAIL
NO SCALE

CORRESPONDING DOORS
KERR/TATE:
11-15,11-16



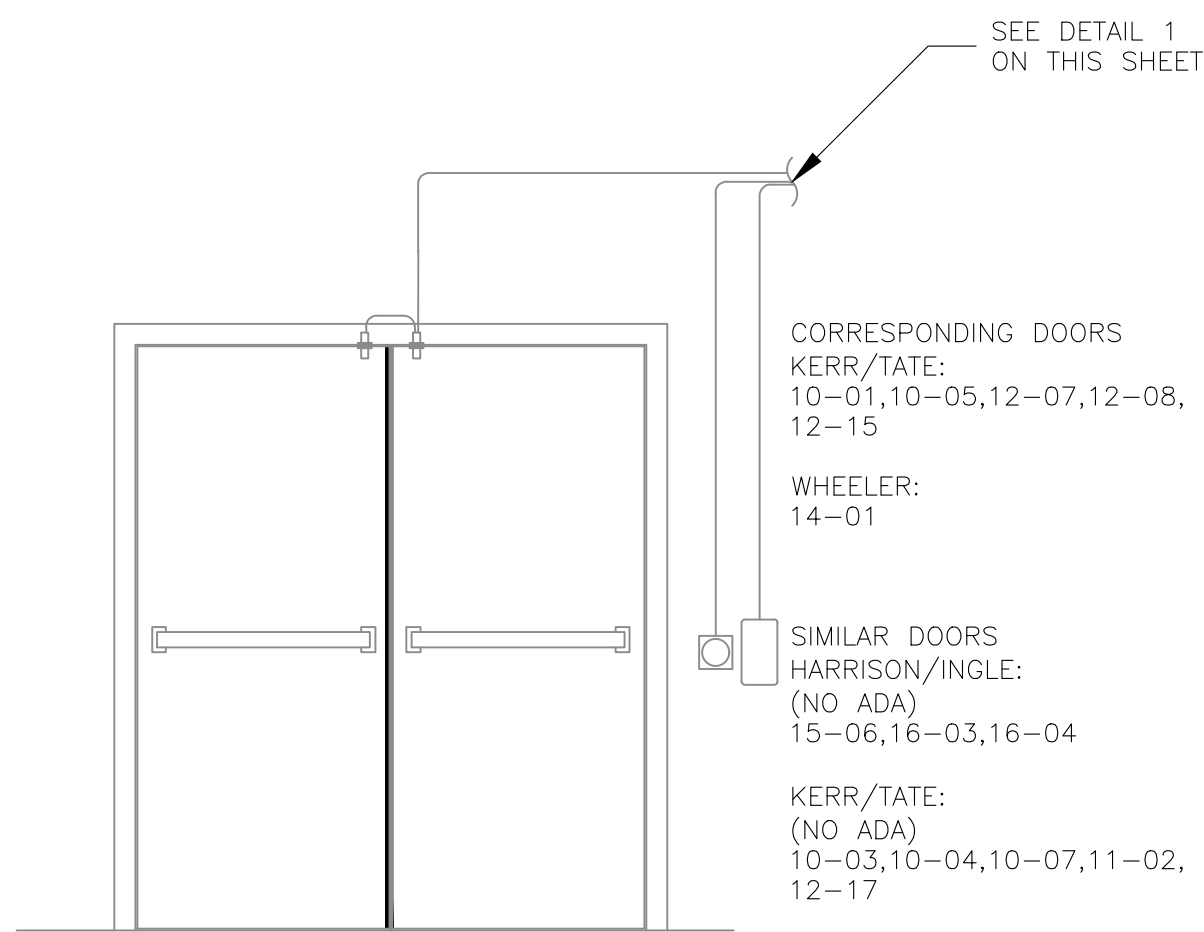
7 TRIPLE DOOR CONTACT DETAIL
NO SCALE

CORRESPONDING DOORS
KERR/TATE:
12-01,12-02,12-03
SIMILAR DOORS
KERR/TATE:
(REMOVE ONLY)
12-04,12-05,12-06



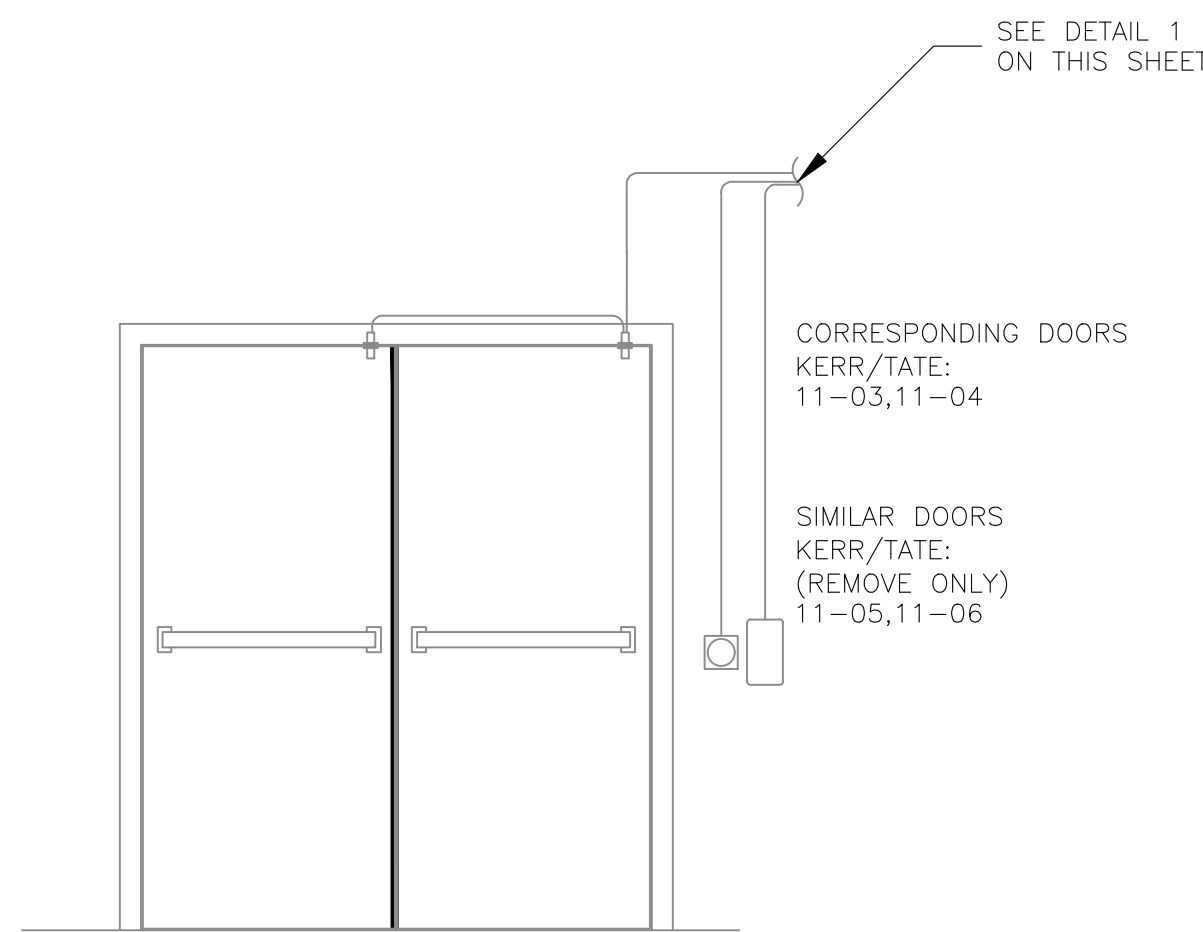
8 SINGLE DOOR CARD READER DETAIL
NO SCALE

CORRESPONDING DOORS
KERR/TATE:
11-07,12-11
SIMILAR DOORS
WHEELER:
(NO ADA)
14-02
KERR/TATE:
(NO ADA)
11-01,11-08,11-14,12-12



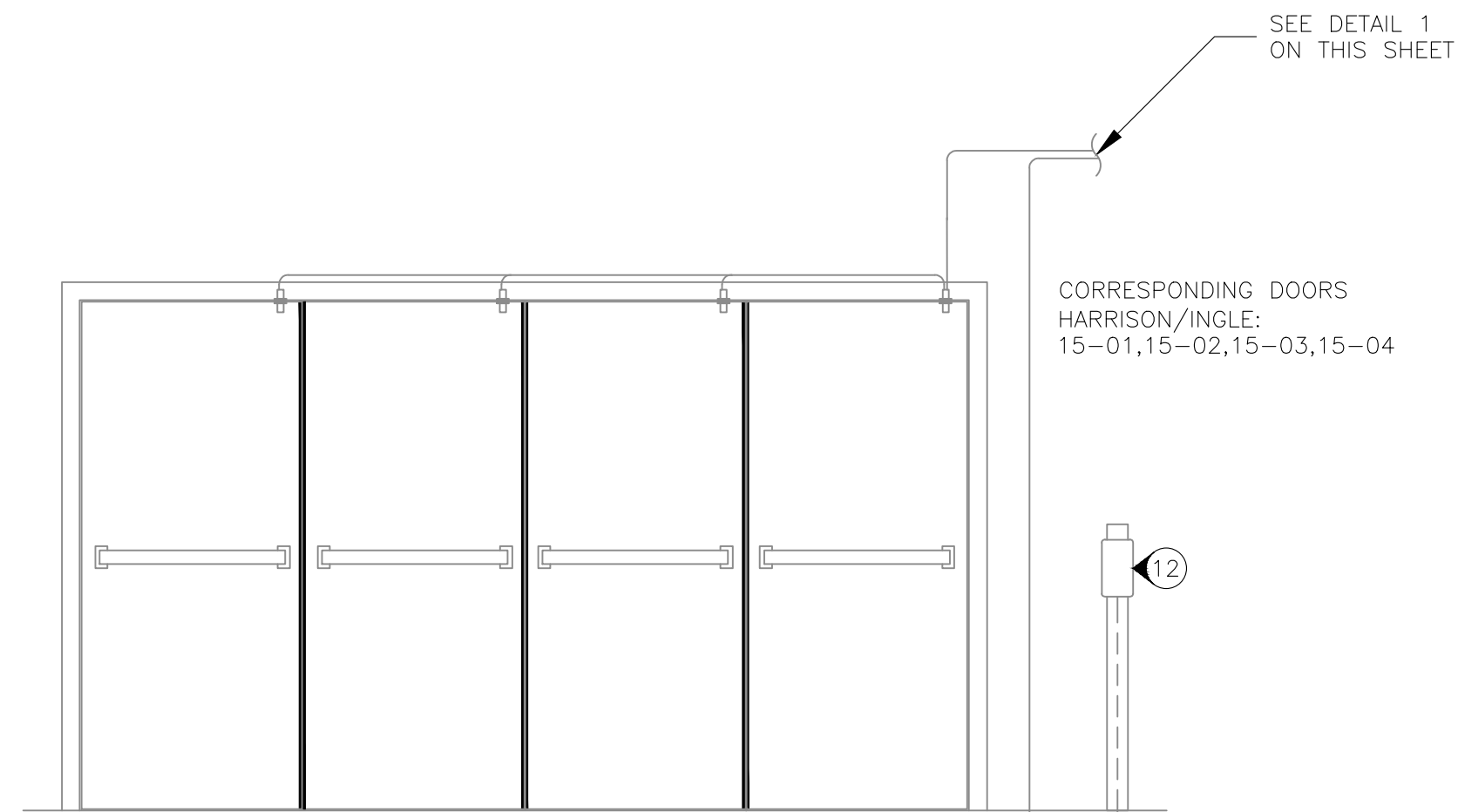
9 DOUBLE DOOR CARD READER DETAIL
NO SCALE

CORRESPONDING DOORS
KERR/TATE:
10-01,10-05,12-07,12-08,
12-15
WHEELER:
14-01
SIMILAR DOORS
HARRISON/INGLE:
(NO ADA)
15-06,16-03,16-04
KERR/TATE:
(NO ADA)
10-03,10-04,10-07,11-02,
12-17



10 DOUBLE DOOR CARD READER ALT DETAIL
NO SCALE

CORRESPONDING DOORS
KERR/TATE:
11-03,11-04
SIMILAR DOORS
KERR/TATE:
(REMOVE ONLY)
11-05,11-06



11 QUADRUPLE DOOR CARD READER DETAIL
NO SCALE

CORRESPONDING DOORS
HARRISON/INGLE:
15-01,15-02,15-03,15-04



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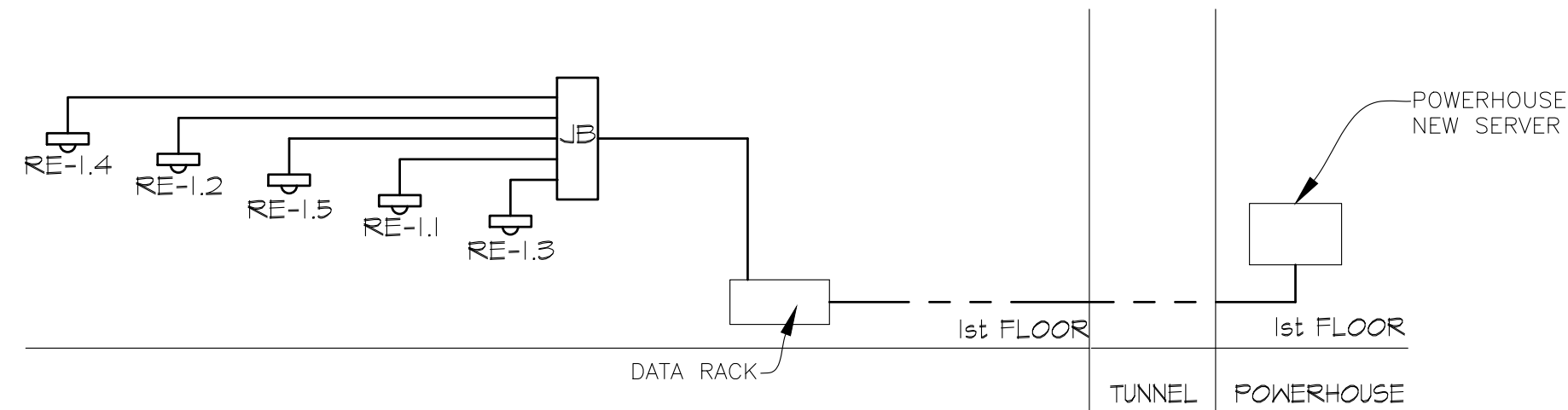
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DOOR DETAILS

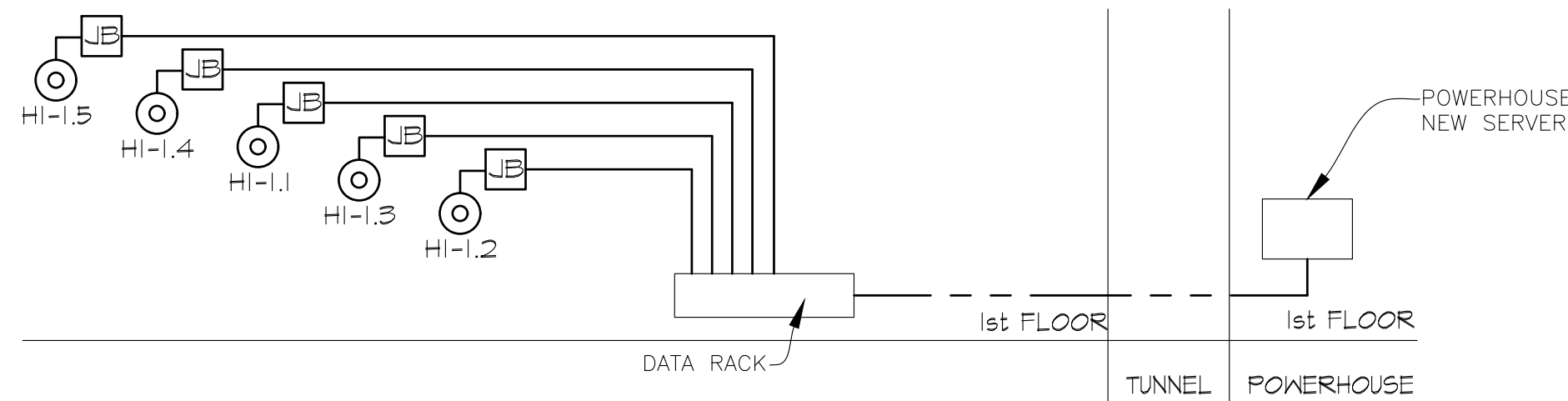
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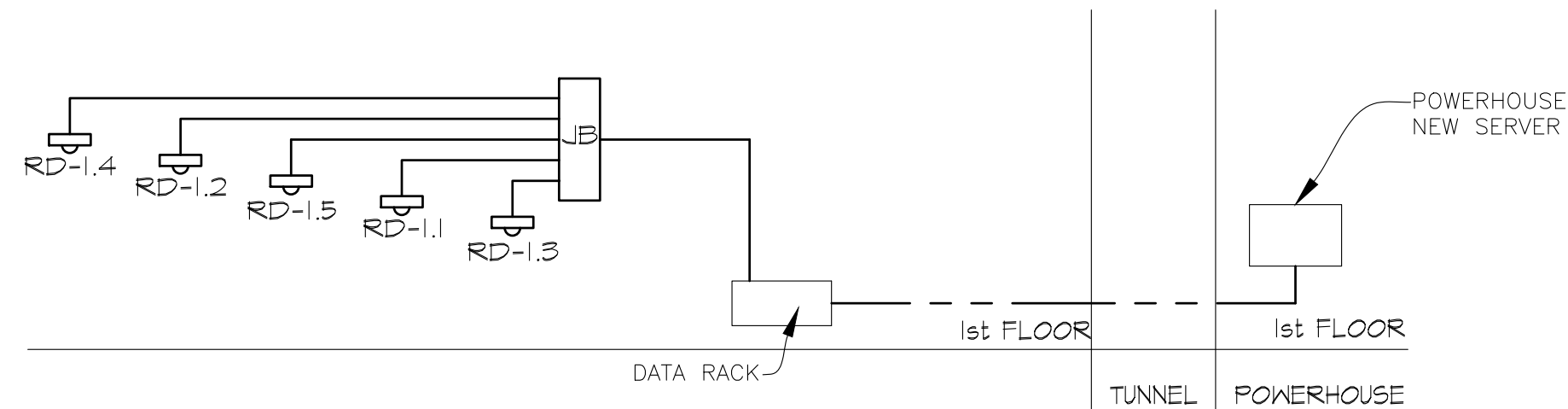
23 OF 34 SHEETS
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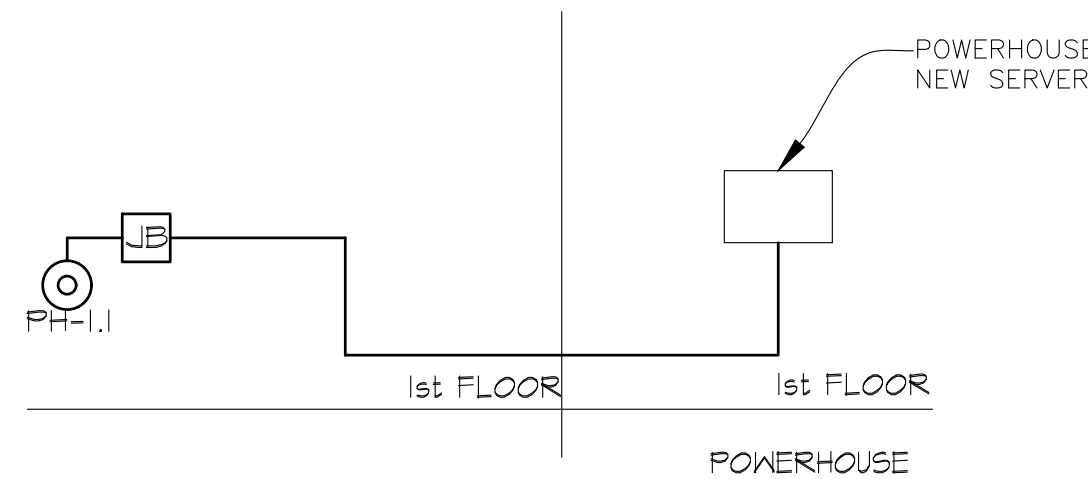
1 REID HOUSE SECURITY CAMERA RISER DIAGRAM
NO SCALE



6 HARRISON/INGLE SECURITY CAMERA RISER DIAGRAM
NO SCALE



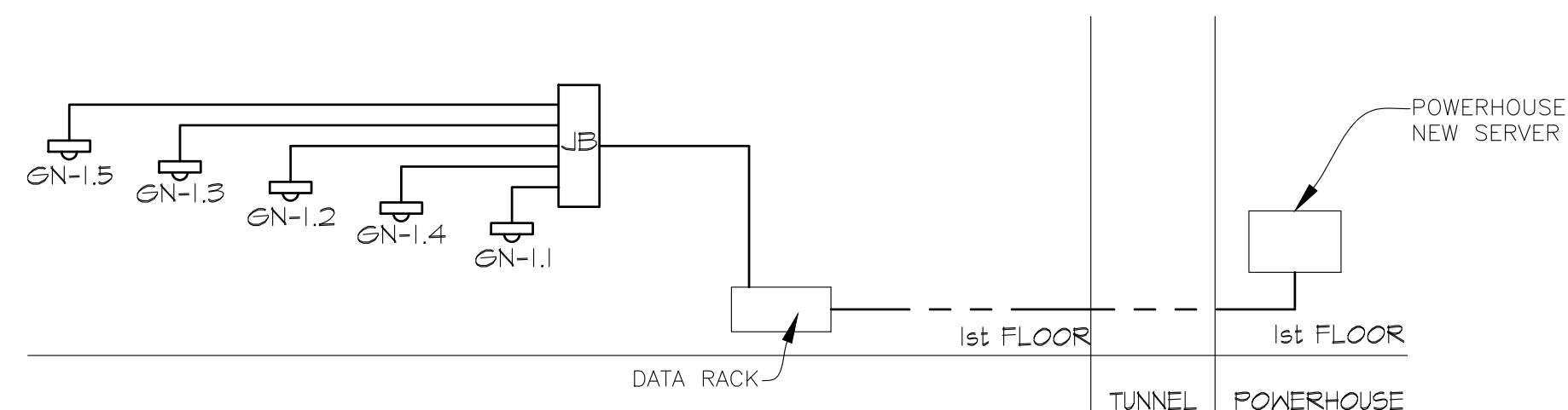
2 REDDEN HOUSE SECURITY CAMERA RISER DIAGRAM
NO SCALE



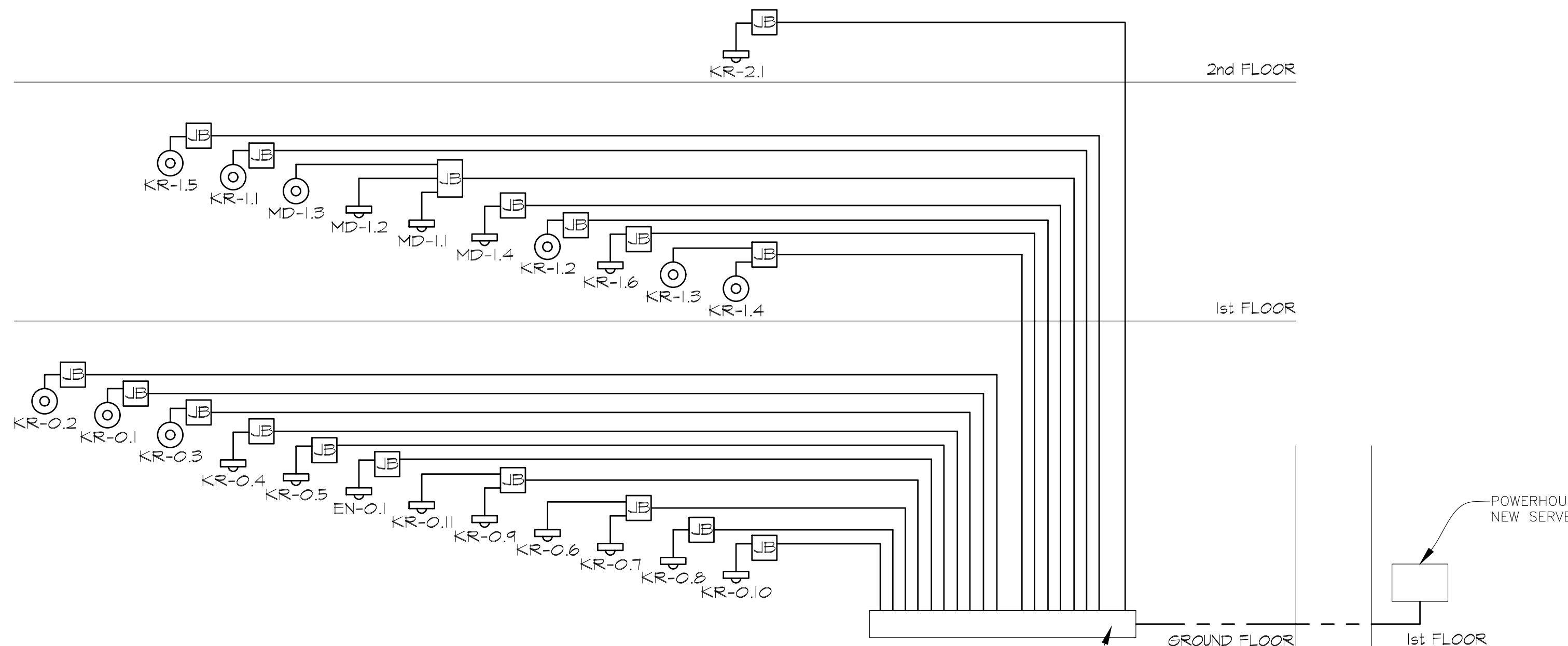
7 POWERHOUSE/MAINTENANCE SECURITY CAMERA RISER DIAGRAM
NO SCALE

LEGEND

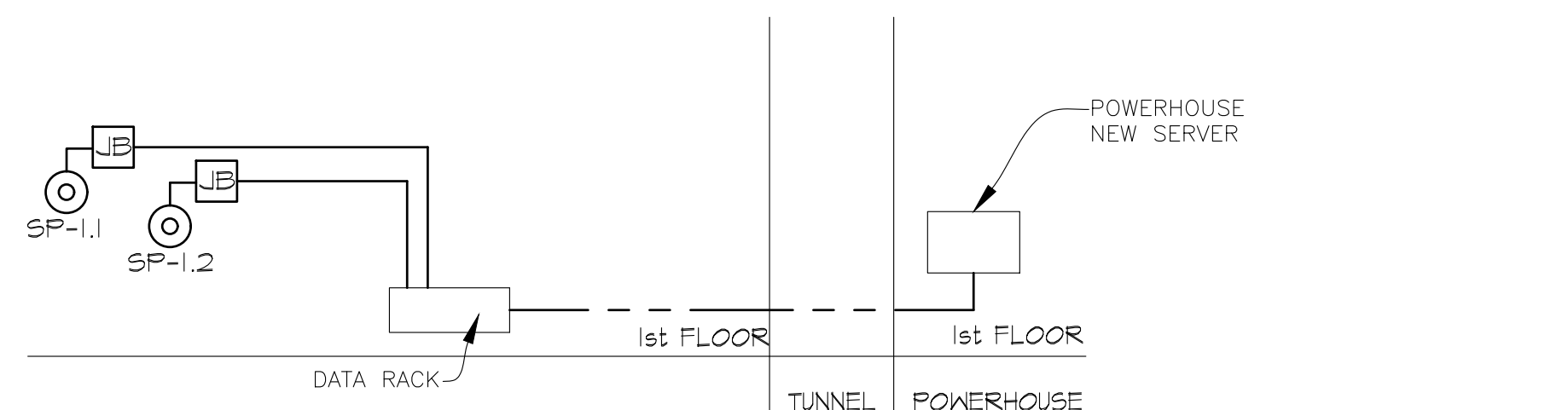
	WALL MOUNTED CAMERA
	CEILING MOUNTED CAMERA



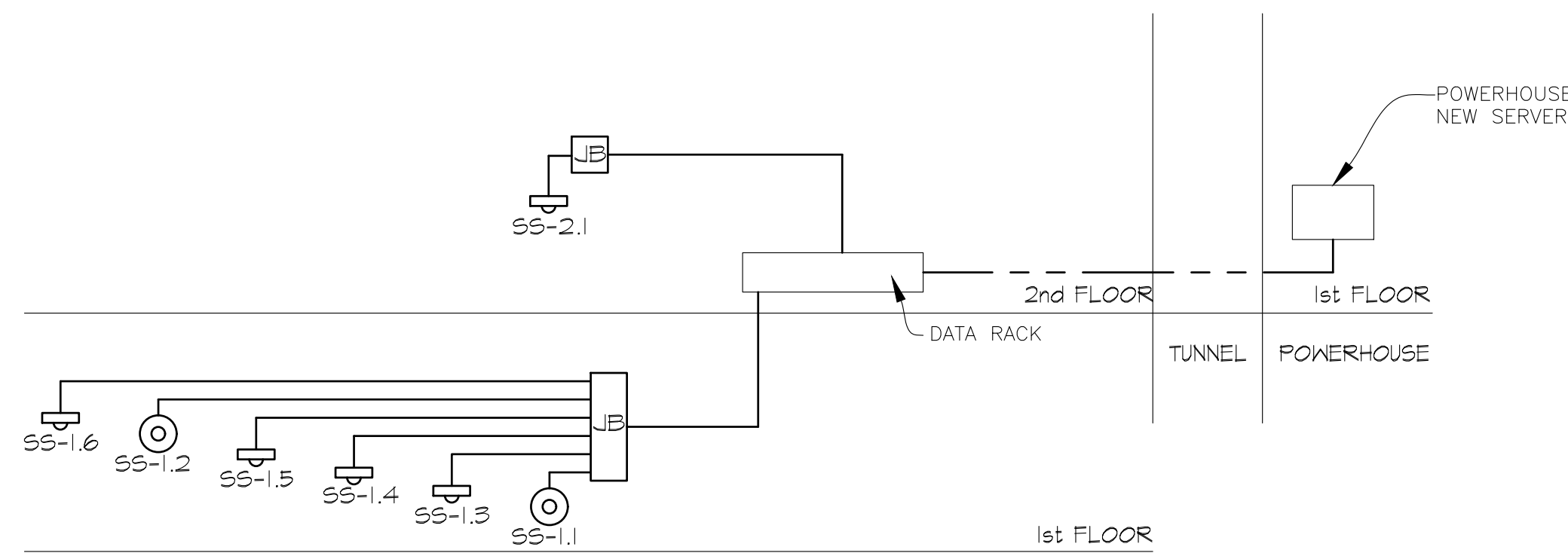
3 GANNON HOUSE SECURITY CAMERA RISER DIAGRAM
NO SCALE



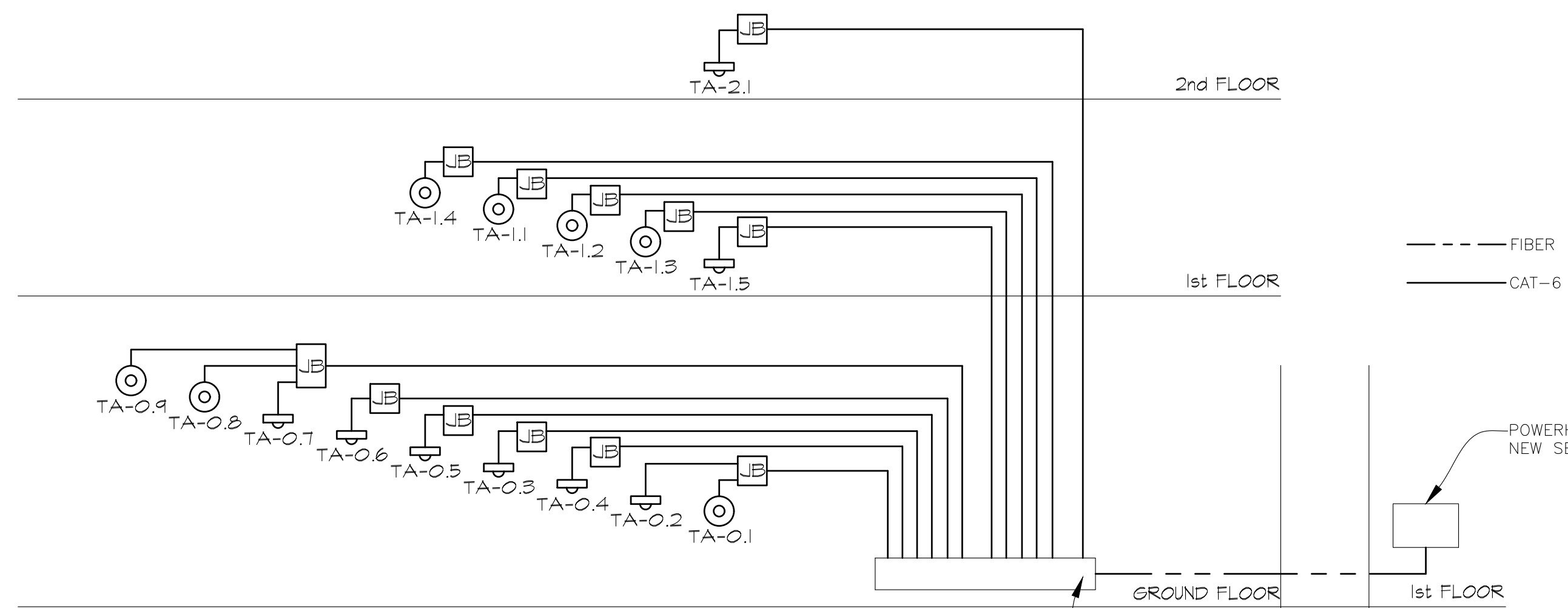
8 KERR DORMITORY SECURITY CAMERA RISER DIAGRAM
NO SCALE



4 SHIPMAN BUILDING SECURITY CAMERA RISER DIAGRAM
NO SCALE



5 RESOURCE CENTER SECURITY CAMERA RISER DIAGRAM
NO SCALE



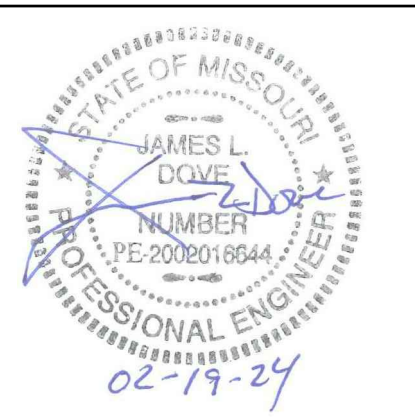
9 TATE DORMITORY SECURITY CAMERA RISER DIAGRAM
NO SCALE

GENERAL NOTES

INDICATES KEYED NOTES

- CAMERAS UNDER 300FT CAN BE RUN AS CAT6. ALL OTHER CAMERAS SHALL BE RUN WITH FIBER AND MEDIA CONVERTERS. CONTRACTOR TO DETERMINE DISTANCES AND WHICH CABLE IS NECESSARY.
- REUSE EXISTING CABLE WHERE POSSIBLE. IF EXISTING CABLE IS CAT5, REMOVE AND REPLACE WITH CAT6.
- ONCE INSTALLATION IS COMPLETE, REMOVE ALL OLD VIDEO COMPONENTS AT OWNER DISCRETION.
- CONTRACTOR TO REPLACE EXISTING SERVER IN POWERHOUSE WITH NEW GENETEC SERVER. EXISTING SERVER TO BE REPURPOSED AS EXTRA STORAGE FOR NEW SERVER. COORDINATE WITH OWNER.
- CAMERAS ARE POWERED BY ETHERNET CONNECTIONS FROM A DATA RACK CABINET. DATA RACK CABINETS ARE POWERED BY FIBER CABLES FROM THE POWERHOUSE. SEE T-SHEETS FOR FIBER CABLES TO EACH BUILDING.
- THERE ARE (4) NEW MONITORING STATIONS TO BE INSTALLED IN THE SUPERINTENDENT'S OFFICE, BUSINESS DIRECTOR'S OFFICE, DORM DIRECTOR'S OFFICE, AND MAINTENANCE SUPERVISOR'S OFFICE. ELC TO COORDINATE WITH OWNER ON EXACT PLACEMENT.

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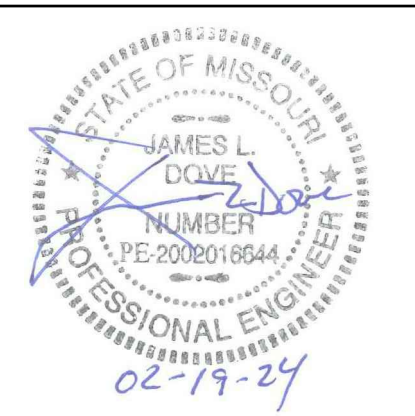
SHEET TITLE:

CAMERA
RISER DIAGRAMS

SHEET NUMBER:

E-502

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SHEET TITLE:

CAMERA SCHEDULES

SHEET NUMBER:

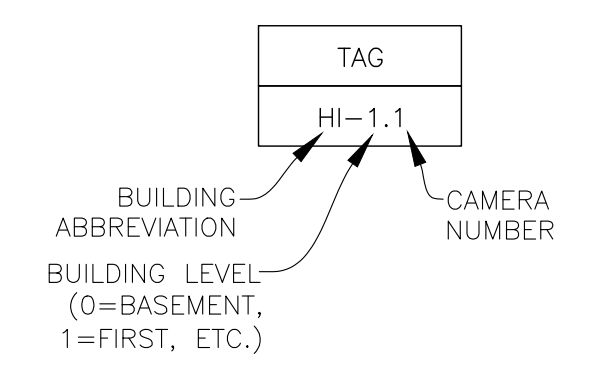
E-601

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02/19/2024

NOTES

INDICATES KEYED NOTES

- CONTRACTOR TO MOUNT CAMERAS AT SAME HEIGHTS AFF AS EXISTING CAMERAS UNLESS IT IS DETERMINED THAT BETTER MOUNTING POSITIONS FOR CAMERAS ARE AVAILABLE. COORDINATE EXACT HEIGHTS WITH OWNER.
- MOUNTS MAY NOT BE NEEDED FOR CERTAIN CAMERAS.
- MANUFACTURERS LISTED ARE THE BASIS OF DESIGN. SEE SPECIFICATIONS FOR OTHER APPROVED/COMPATIBLE MANUFACTURERS.



HARRISON GYM/INGLE AUDITORIUM CAMERA SCHEDULE

TAG	AXIS MODEL NO.	COMPRESSION	RESOLUTION	DATA RATE	STORAGE (TB)	MOUNT	NOTES
HI-1.1	M3216-LVE	H.264	4.1M	1.83	0.264	WALL	DOME, OUTSIDE
HI-1.2	M3216-LVE	H.264	4.1M	1.83	0.264	WALL	DOME, OUTSIDE
HI-1.3	M3216-LVE	H.264	4.1M	1.83	0.264	WALL	DOME, OUTSIDE
HI-1.4	M3216-LVE	H.264	4.1M	1.83	0.264	WALL	DOME, OUTSIDE
HI-1.5	M3216-LVE	H.264	4.1M	1.83	0.264	WALL	DOME, OUTSIDE

CALCULATION PARAMETERS: Motion Triggered Frame Rate: 25, Continuous Frame Rate: 8, Total Recording Hours: 24, Low Light Hours: 12, Days Storage: 30

KERR/TATE DORMITORY GROUND FLOOR CAMERA SCHEDULE

TAG	AXIS MODEL NO.	COMPRESSION	RESOLUTION	DATA RATE	STORAGE (TB)	MOUNT	NOTES
KR-0.1	P3727-PLV	H.264	2.1M	7.1	1.03	WALL/CORNER	4 LENS DOME, OUTSIDE
KR-0.2	P4707-PVLE	H.264	5M	9.73	1.37	WALL	2 LENS DOME, INSIDE
KR-0.3	M3216-LVE	H.264	4.1M	1.83	0.264	WALL	DOME, OUTSIDE
KR-0.4	M4216-LV	H.264	4M	6.32	0.878	CEILING	DOME, INSIDE
KR-0.5	M4216-LV	H.264	4M	6.32	0.878	CEILING	DOME, INSIDE
KR-0.6	M4216-LV	H.264	4M	6.32	0.878	CEILING	DOME, INSIDE
KR-0.7	M4216-LV	H.264	4M	6.32	0.878	CEILING	DOME, INSIDE
KR-0.8	M4216-LV	H.264	4M	6.32	0.878	CEILING	DOME, INSIDE
KR-0.9	P4707-PVLE	H.264	5M	9.73	1.37	CEILING	2 LENS DOME, INSIDE
KR-0.10	P4707-PVLE	H.264	5M	9.73	1.37	CEILING	2 LENS DOME, INSIDE
KR-0.11	M4317-PLVE	H.264	6M	3.51	0.496	CEILING	PANORAMIC DOME, INSIDE
EN-0.1	P3727-PLV	H.264	2.1M	15.15	2.185	CEILING	4 LENS DOME, INSIDE
TA-0.1	P4707-PVLE	H.264	5M	9.73	1.37	WALL	2 LENS DOME, INSIDE
TA-0.2	P4707-PVLE	H.264	5M	9.73	1.37	CEILING	2 LENS DOME, INSIDE
TA-0.3	P4707-PVLE	H.264	5M	9.73	1.37	CEILING	2 LENS DOME, INSIDE
TA-0.4	M4216-LV	H.264	4M	6.32	0.878	CEILING	DOME, INSIDE
TA-0.5	M4216-LV	H.264	4M	6.32	0.878	CEILING	DOME, INSIDE
TA-0.6	M4216-LV	H.264	4M	6.32	0.878	CEILING	DOME, INSIDE
TA-0.7	P4707-PVLE	H.264	5M	9.73	1.37	CEILING	2 LENS DOME, INSIDE
TA-0.8	P4707-PVLE	H.264	5M	4.55	0.635	WALL	2 LENS DOME, OUTSIDE
TA-0.9	P4707-PVLE	H.264	5M	9.73	1.37	WALL	2 LENS DOME, INSIDE

CALCULATION PARAMETERS: Motion Triggered Frame Rate: 25, Continuous Frame Rate: 8, Total Recording Hours: 24, Low Light Hours: 12, Days Storage: 30

KERR/TATE DORMITORY FIRST FLOOR CAMERA SCHEDULE

TAG	AXIS MODEL NO.	COMPRESSION	RESOLUTION	DATA RATE	STORAGE (TB)	MOUNT	NOTES
KR-1.1	M3216-LVE	H.264	4.1M	1.83	0.264	WALL	DOME, OUTSIDE
KR-1.2	M3216-LVE	H.264	4.1M	1.83	0.264	WALL	DOME, OUTSIDE
KR-1.3	P4707-PVLE	H.264	5M	9.73	1.37	WALL	2 LENS DOME, INSIDE
KR-1.4	P4707-PVLE	H.264	5M	9.73	1.37	WALL	2 LENS DOME, INSIDE
KR-1.5	P4707-PVLE	H.264	5M	9.73	1.37	WALL	2 LENS DOME, INSIDE
KR-1.6	M4317-PLVE	H.264	6M	3.51	0.496	CEILING	PANORAMIC DOME, INSIDE
MD-1.1	M4216-LV	H.264	4M	6.32	0.878	CEILING	DOME, INSIDE
MD-1.2	M4216-LV	H.264	4M	6.32	0.878	CEILING	DOME, INSIDE
MD-1.3	M4216-LV	H.264	4M	6.32	0.878	WALL	DOME, INSIDE
MD-1.4	P3727-PLV	H.264	2.1M	15.15	2.185	CEILING	4 LENS DOME, INSIDE
TA-1.1	P3727-PLV	H.264	2.1M	7.1	1.03	WALL/CORNER	4 LENS DOME, OUTSIDE
TA-1.2	M3216-LVE	H.264	4.1M	1.83	0.264	WALL	DOME, OUTSIDE
TA-1.3	P4707-PVLE	H.264	5M	9.73	1.37	WALL	2 LENS DOME, INSIDE
TA-1.4	P4707-PVLE	H.264	5M	9.73	1.37	WALL	2 LENS DOME, INSIDE
TA-1.5	M4317-PLVE	H.264	6M	3.51	0.496	CEILING	PANORAMIC DOME, INSIDE

CALCULATION PARAMETERS: Motion Triggered Frame Rate: 25, Continuous Frame Rate: 8, Total Recording Hours: 24, Low Light Hours: 12, Days Storage: 30

KERR/TATE DORMITORY SECOND FLOOR CAMERA SCHEDULE

TAG	AXIS MODEL NO.	COMPRESSION	RESOLUTION	DATA RATE	STORAGE (TB)	MOUNT	NOTES
KR-2.1	M4317-PLVE	H.264	6M	3.51	0.496	CEILING	PANORAMIC DOME, INSIDE
TA-2.1	M4317-PLVE	H.264	6M	3.51	0.496	CEILING	PANORAMIC DOME, INSIDE

CALCULATION PARAMETERS: Motion Triggered Frame Rate: 25, Continuous Frame Rate: 8, Total Recording Hours: 24, Low Light Hours: 12, Days Storage: 30

POWERHOUSE/MAINTENANCE FLOOR CAMERA SCHEDULE

TAG	AXIS MODEL NO.	COMPRESSION	RESOLUTION	DATA RATE	STORAGE (TB)	MOUNT	NOTES
PH-1.1	P3727-PLV	H.264	2.1M	7.1	0.317	WALL/CORNER	4 LENS DOME, OUTSIDE

CALCULATION PARAMETERS: Motion Triggered Frame Rate: 25, Continuous Frame Rate: 8, Total Recording Hours: 24, Low Light Hours: 12, Days Storage: 30

STUDENT SERVICES FIRST FLOOR CAMERA SCHEDULE

TAG	AXIS MODEL NO.	COMPRESSION	RESOLUTION	DATA RATE	STORAGE (TB)	MOUNT	NOTES
SS-1.1	M4317-PLVE	H.264	6M	1.49	0.218	WALL	PANORAMIC DOME, OUTSIDE
SS-1.2	M3216-LVE	H.264	4.1M	1.83	0.264	WALL	DOME, OUTSIDE
SS-1.3	M4216-LV	H.264	4M	6.32	0.878	CEILING	DOME, INSIDE
SS-1.4	M4216-LV	H.264	4M	6.32	0.878	CEILING	DOME, INSIDE
SS-1.5	M4216-LV	H.264	4M	6.32	0.878	CEILING	DOME, INSIDE
SS-1.6	M4216-LV	H.264	4M	6.32	0.878	CEILING	DOME, INSIDE

CALCULATION PARAMETERS: Motion Triggered Frame Rate: 25, Continuous Frame Rate: 8, Total Recording Hours: 24, Low Light Hours: 12, Days Storage: 30

STUDENT SERVICES SECOND FLOOR CAMERA SCHEDULE

TAG	AXIS MODEL NO.	COMPRESSION	RESOLUTION	DATA RATE	STORAGE (TB)	MOUNT	NOTES
SS-2.1	P4707-PVLE	H.264	5M	9.73	1.37	CEILING	2 LENS DOME, INSIDE

CALCULATION PARAMETERS: Motion Triggered Frame Rate: 25, Continuous Frame Rate: 8, Total Recording Hours: 24, Low Light Hours: 12, Days Storage: 30

SHIPMAN CAMERA SCHEDULE

TAG	AXIS MODEL NO.	COMPRESSION	RESOLUTION	DATA RATE	STORAGE (TB)	MOUNT	NOTES
SP-1.1	P3727-PLV	H.264	2.1M	7.1	1.03	WALL/CORNER	4 LENS DOME, OUTSIDE
SP-1.2	P3727-PLV	H.264	2.1M	7.1	0.317	WALL/CORNER	4 LENS DOME, OUTSIDE

CALCULATION PARAMETERS: Motion Triggered Frame Rate: 25, Continuous Frame Rate: 8, Total Recording Hours: 24, Low Light Hours: 12, Days Storage: 30

GANNON HOUSE CAMERA SCHEDULE

TAG	AXIS MODEL NO.	COMPRESSION	RESOLUTION	DATA RATE	STORAGE (TB)	MOUNT	NOTES
GN-1.1	M3216-LVE	H.264	4.1M	1.83	0.264	CEILING	DOME, OUTSIDE
GN-1.2	M4216-LV	H.264	4M	6.32	0.878	CEILING	DOME, INSIDE
GN-1.3	M4216-LV	H.264	4M	6.32	0.878	CEILING	DOME, INSIDE
GN-1.4	P4707-PVLE	H.264	5M	9.73	1.37	CEILING	2 LENS DOME, INSIDE
GN-1.5	M3216-LVE	H.264	4.1M	1.83	0.264	CEILING	DOME, OUTSIDE

CALCULATION PARAMETERS: Motion Triggered Frame Rate: 25, Continuous Frame Rate: 8, Total Recording Hours: 24, Low Light Hours: 12, Days Storage: 30

REDDEN HOUSE CAMERA SCHEDULE

TAG	AXIS MODEL NO.	COMPRESSION	RESOLUTION	DATA RATE	STORAGE (TB)	MOUNT	NOTES
RD-1.1	M3216-LVE	H.264	4.1M	1.83	0.264	CEILING	DOME, OUTSIDE
RD-1.2	P1468-LE	H.264	4K	2.84	0.411	CEILING	BULLET, OUTSIDE
RD-1.3	M4216-LV	H.264	4M	6.32	0.878	CEILING	DOME, INSIDE
RD-1.4	M4216-LV	H.264	4M	6.32	0.878	CEILING	DOME, INSIDE
RD-1.5	P4707-PVLE	H.264	5M	9.73	1.37	CEILING	2 LENS DOME, INSIDE

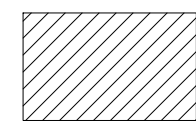
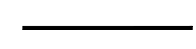

CALCULATION PARAMETERS: Motion Triggered Frame Rate: 25, Continuous Frame Rate: 8, Total Recording Hours: 24, Low Light Hours: 12, Days Storage: 30

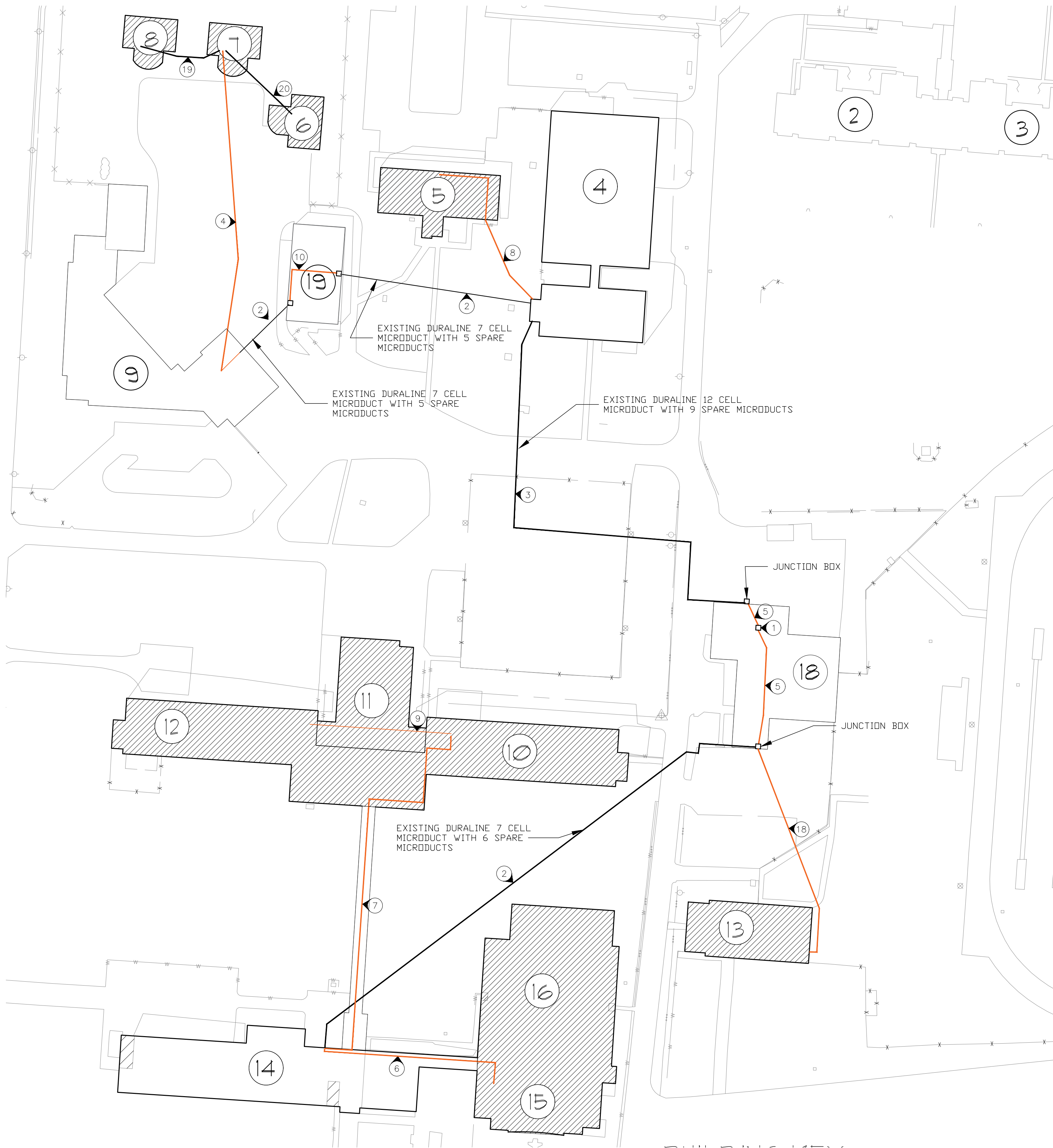
REID HOUSE CAMERA SCHEDULE

TAG	AXIS MODEL NO.	COMPRESSION	RESOLUTION	DATA RATE	STORAGE (TB)	MOUNT	NOTES
RE-1.1	M3216-LVE	H.264	4.1M	1.83	0.264	CEILING	DOME, OUTSIDE
RE-1.2	P1468-LE	H.264	4K	2.84	0.411	CEILING	BULLET, OUTSIDE
RE-1.3	M4216-LV	H.264	4M	6.32	0.878	CEILING	DOME, INSIDE
RE-1.4	M4216-LV	H.264	4M	6.32	0.878	CEILING	DOME, INSIDE
RE-1.5	P4707-PVLE	H.264	5M	9.73	1.37	CEILING	2 LENS DOME, INSIDE

CALCULATION PARAMETERS: Motion Triggered Frame Rate: 25, Continuous Frame Rate: 8, Total Recording Hours: 24, Low Light Hours: 12, Days Storage: 30

SYMBOL KEY

-  BUILDINGS INCLUDED IN PHASE II SYSTEM EXPANSION
-  EXISTING DURALINE MICRODUCT WITH SPARE TUBES UNLESS NOTED
-  NEW DURALINE MICRODUCT ROUTE



1 TECHNOLOGY SITE PLAN
SCALE: 1/64"=1'

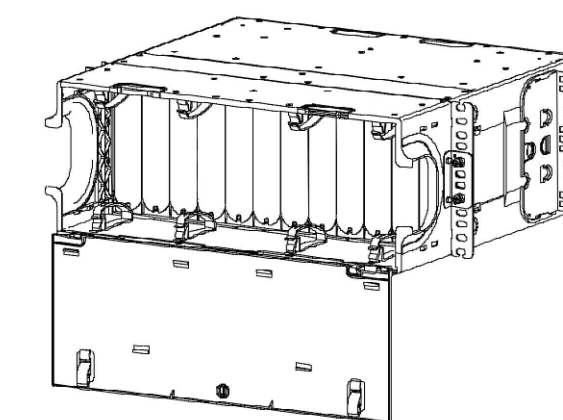
NOTES

 INDICATES KEYED NOTES

- 1 EXISTING FIBER CABINET IN POWERHOUSE. ALL MICRODUCT AND FIBER ROUTES WILL TERMINATE IN THIS CABINET.
- 2 EXISTING 7 CELL MICRODUCT.
- 3 EXISTING 12 CELL MICRODUCT.
- 4 INSTALL 2 CELL MICRODUCT. REMOVE .500 HARDLINE COAX AND ANY OTHER ABANDONED CABLE IN THE EXISTING CONDUIT BEFORE INSTALLATION OF MICRODUCT.
- 5 INSTALL 7 CELL MICRODUCT BETWEEN POWER HOUSE CABINET AND JUNCTION BOX.
- 6 INSTALL 2 CELL MICRODUCT BETWEEN THE NETWORK ROOM ABOVE THE AUDITORIUM CONTROL ROOM IN INGLE AUDITORIUM TO EXISTING 7 CELL MICRODUCT AT BUILDING ENTRANCE.
- 7 INSTALL 3 CELL MICRODUCT BETWEEN THE NETWORK ROOM IN TATE HALL TO THE EXISTING 7 CELL MICRODUCT AT WHEELER HALL BUILDING ENTRANCE. INSTALL EMT CONDUIT IN EXPOSED AREAS TO PROTECT THE MICRODUCT.
- 8 INSTALL 2 CELL MICRODUCT IN EXISTING 5" CONDUIT.
- 9 INSTALL 2 CELL MICRODUCT BETWEEN TATE HALL AND KERR HALL WITHIN TUNNEL. CONNECT MICRODUCT BACK TO THE POWERHOUSE.
- 10 INSTALL 4 CELL MICRODUCT BETWEEN EAST AND WEST CENTRAL SUPPLY FIBER ENTRANCES.
- 11 INSTALL 12 STRAND SINGLEMODE FIBER BETWEEN THE POWERHOUSE FIBER CABINET AND THE REDDEN HOUSE.
- 12 INSTALL 12 STRAND SINGLEMODE FIBER BETWEEN THE POWERHOUSE FIBER CABINET AND RESOURCE CENTER.
- 13 INSTALL 12 STRAND SINGLEMODE FIBER BETWEEN THE POWERHOUSE FIBER CABINET AND KERR HALL.
- 14 INSTALL 12 STRAND SINGLEMODE FIBER BETWEEN THE POWERHOUSE FIBER CABINET AND TATE HALL.
- 15 INSTALL 12 STRAND SINGLEMODE FIBER BETWEEN THE POWERHOUSE FIBER CABINET AND CENTRAL SUPPLY.
- 16 INSTALL 12 STRAND SINGLEMODE FIBER BETWEEN THE POWERHOUSE FIBER CABINET AND THE SHIPMAN BUILDING.
- 17 THE RESOURCE CENTER, GANNON HOUSE, REDDEN HOUSE, REID HOUSE, TATE HALL, KERR HALL, SHIPMAN BUILDING, INGLE AUDITORIUM, AND CENTRAL SUPPLY WILL HAVE ONE MICRODUCT TUBE CONNECTED CONTINUOUSLY TO THE POWER HOUSE NETWORK CABINET.
- 18 INSTALL 2 CELL MICRODUCT BETWEEN THE POWER HOUSE AND SHIPMAN WITHIN AN EXISTING 3" CONDUIT.
- 19 EXISTING CONDUIT BETWEEN REDDEN HOUSE AND REID HOUSE.
- 20 EXISTING CONDUIT BETWEEN REDDEN HOUSE AND GANNON HOUSE
- 21 INSTALL 12 STRAND SINGLEMODE FIBER BETWEEN THE POWERHOUSE FIBER CABINET AND INGLE AUDITORIUM BUILDING.
- 22 ALL DUCT WILL BE COMPATIBLE WITH THE EXISTING DURALINE 6MM ID, 8.2MM OD DUCT.
- 23 ALL DUCTS WILL SPLICE DIRECTLY TO THE POWERHOUSE CREATING A SINGLE PATHWAY FOR THE BLOWN FIBER FROM EACH OF THE PHASE II BUILDING.

BUILDING KEY

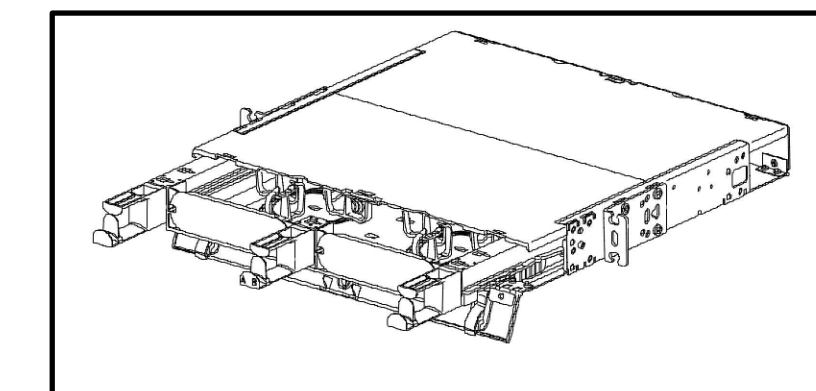
- | | | |
|-------------------|---------------------|-----------------------------|
| 1 RICE SCHOOL | 9 STARK SCHOOL | 17 SCOUT CABIN |
| 2 HALE HALL | 10 TATE HALL | 18 POWERHOUSE |
| 3 GROSS HALL | 11 MCKEE HALL | 19 CENTRAL SUPPLY |
| 4 COATS COMPLEX | 12 KERR HALL | 20 SUPERINTENDENT RESIDENCE |
| 5 RESOURCE CENTER | 13 SHIPMAN BUILDING | |
| 6 GANNON HOUSE | 14 WHEELER HALL | |
| 7 REDDEN HOUSE | 15 INGLE AUDITORIUM | |
| 8 REID HOUSE | 16 HARRISON GYM | |



NOTES:

- 1 CORNING CCH-04U FIBER TERMINATION BOX OR APPROVED EQUAL TO BE INSTALLED IN THE POWERHOUSE EQUIPMENT RACK TERMINATING ALL NEW FIBER INSTALLED TO NEW BUILDINGS.
- 2 OSP FIBER WILL BE SECURED AT THE BOX ENTRANCE. SLACK FIBER WILL BE NEATLY STORED IN THE REAR. THE OSP FIBER WILL BE FUSED TO LC UPC CONNECTOR TAIL CABLES, FUSE ON CONNECTORS, OR FUSE ON CASSETTES.

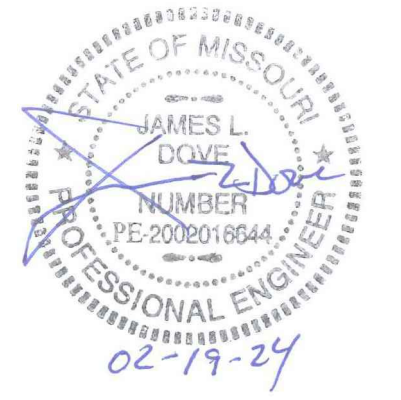
2 POWERHOUSE RACK MOUNT FIBER PANEL



NOTES:

- 1 CORNING CCH-01U FIBER TERMINATION BOX OR APPROVED EQUAL TO BE INSTALLED AT THE END OF EVERY NEW FIBER ROUTE.
- 2 OSP FIBER WILL BE SECURED AT THE BOX ENTRANCE. SLACK FIBER WILL BE NEATLY STORED IN THE REAR. THE OSP FIBER WILL BE FUSED TO LC UPC CONNECTOR TAIL CABLES, FUSE ON CONNECTORS, OR FUSE ON CASSETTES.

3 TYPICAL RACK MOUNT FIBER BOX



PROFESSIONAL SEAL



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OFFICE OF ADMINISTRATION
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MISSOURI DEPARTMENT
OF ELEMENTARY AND
SECONDARY EDUCATION

SITE SECURITY UPGRADE,
SITE WIDE PHASE II

MISSOURI SCHOOL FOR THE
DEAF

FULTON, MISSOURI

PROJECT # E1617-02
SITE# 2490
ASSET# MULTIPLE

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DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 02/19/2024

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DRAWN BY: MAA
CHECKED BY: JLD
DESIGNED BY: MAA

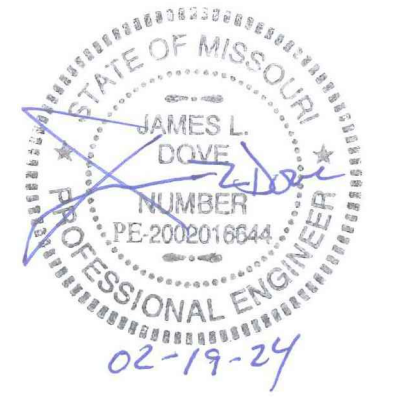
SHEET TITLE:

TECHNOLOGY SITE
PLAN

SHEET NUMBER:

T-100

26 OF 34 SHEETS
02/19/2024



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SITE SECURITY UPGRADE,
SITE WIDE PHASE II

MISSOURI SCHOOL FOR THE
DEAF

FULTON, MISSOURI

PROJECT # E1617-02
SITE# 2490
ASSET# MULTIPLE

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 02/19/2024

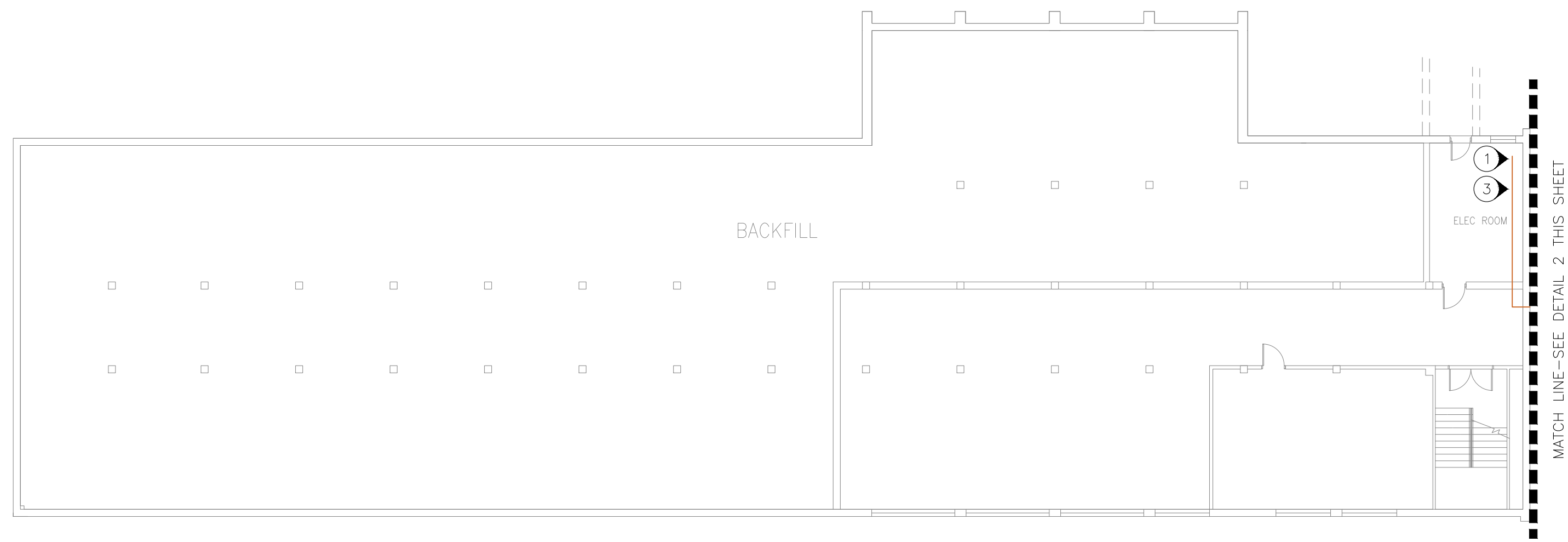
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CHECKED BY: JLD
DESIGNED BY: MAA

SHEET TITLE:
BUILDING PLAN
14, 15, & 16

SHEET NUMBER:

T-101

27 OF 34 SHEETS
02/19/2024

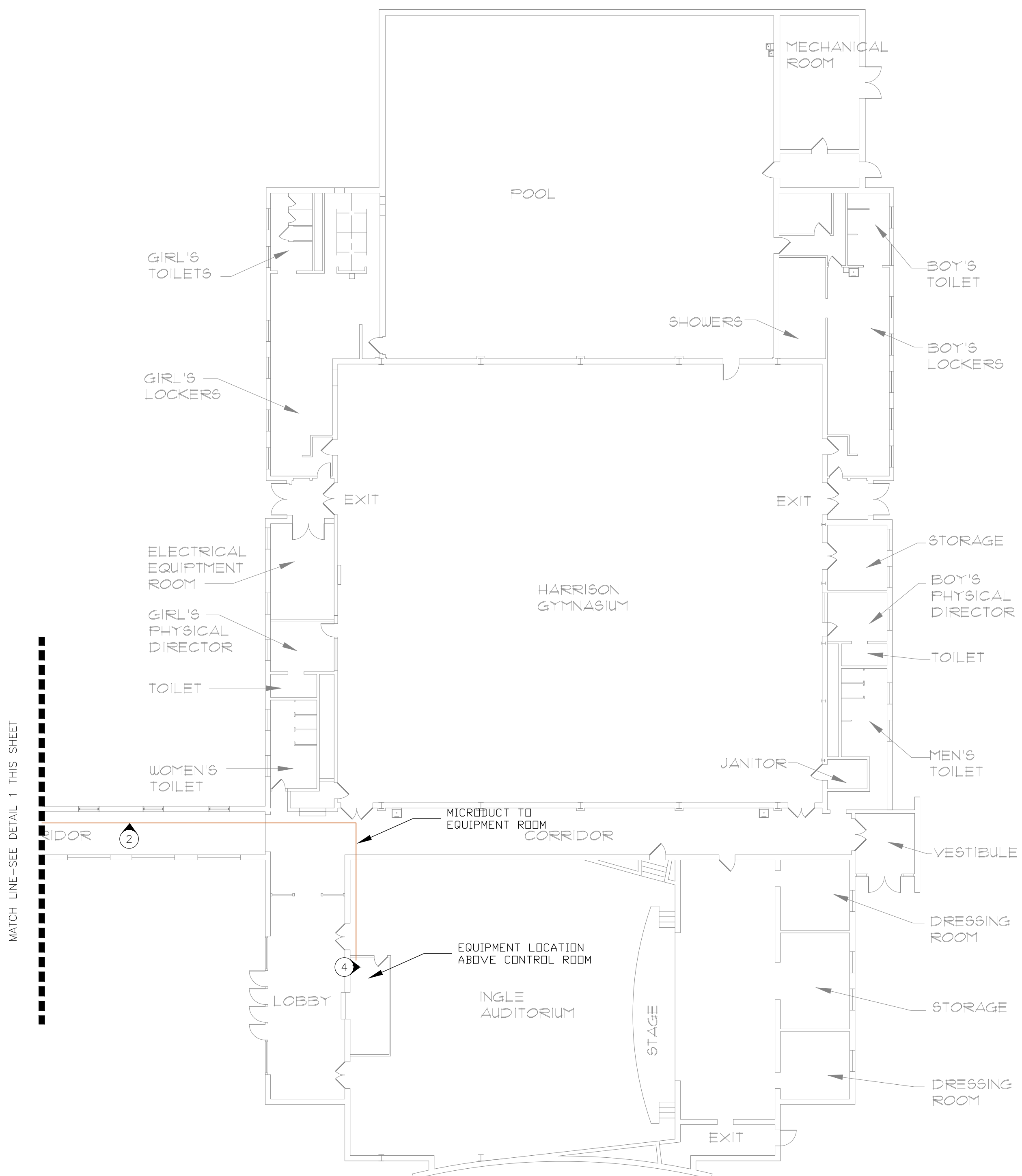


1 WHEELER HALL GROUND FLOOR PLAN
SCALE: 1/32"=1'-0"

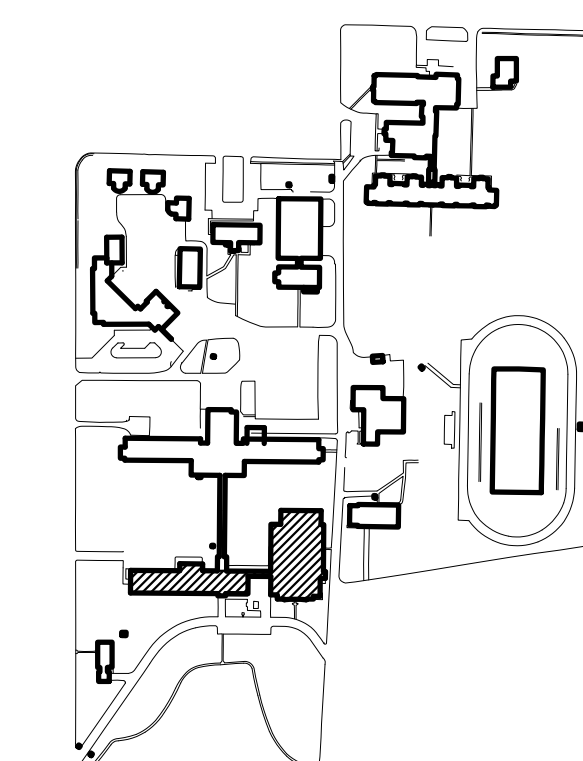
NOTES

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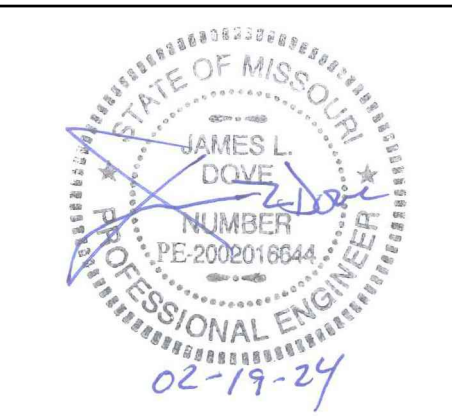
- 1 EXISTING DURALINE 7 CELL MICRODUCT FROM THE POWERHOUSE ENDS IN THIS LOCATION. COUPLE NEW MICRODUCT FOR INGLE AUDITORIUM, TATE HALL, AND KERR HALL TO MAKE DIRECT PATHWAYS.
- 2 INSTALL 2 CELL MICRODUCT BETWEEN THE NETWORK ROOM ABOVE THE AUDITORIUM CONTROL ROOM IN INGLE AUDITORIUM TO EXISTING DURALINE 7 CELL MICRODUCT AT BUILDING ENTRANCE.
- 3 INSTALL 3 CELL MICRODUCT BETWEEN THE NETWORK ROOM IN TATE HALL TO THE EXISTING DURALINE 7 CELL MICRODUCT AT WHEELER HALL BUILDING ENTRANCE. INSTALL EMT CONDUIT IN EXPOSED AREAS TO PROTECT THE MICRODUCT.
- 4 TERMINATE FIBER IN EXISTING RACK USING A CORNING CCH-01U PANEL.
- 5 INSTALL 12 STRAND SINGLEMODE FIBER BETWEEN THE POWERHOUSE AND INGLE AUDITORIUM.



2 HARRISON GYMNASIUM AND INGLE AUDITORIUM FLOOR PLAN
SCALE: 1/16"=1'-0"



3 SITE LEGEND



PROFESSIONAL SEAL

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SITE SECURITY UPGRADE,
SITE WIDE PHASE II

MISSOURI SCHOOL FOR THE
DEAF

FULTON, MISSOURI

PROJECT # E1617-02
SITE# 2490
ASSET# MULTIPLE

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 02/19/2024

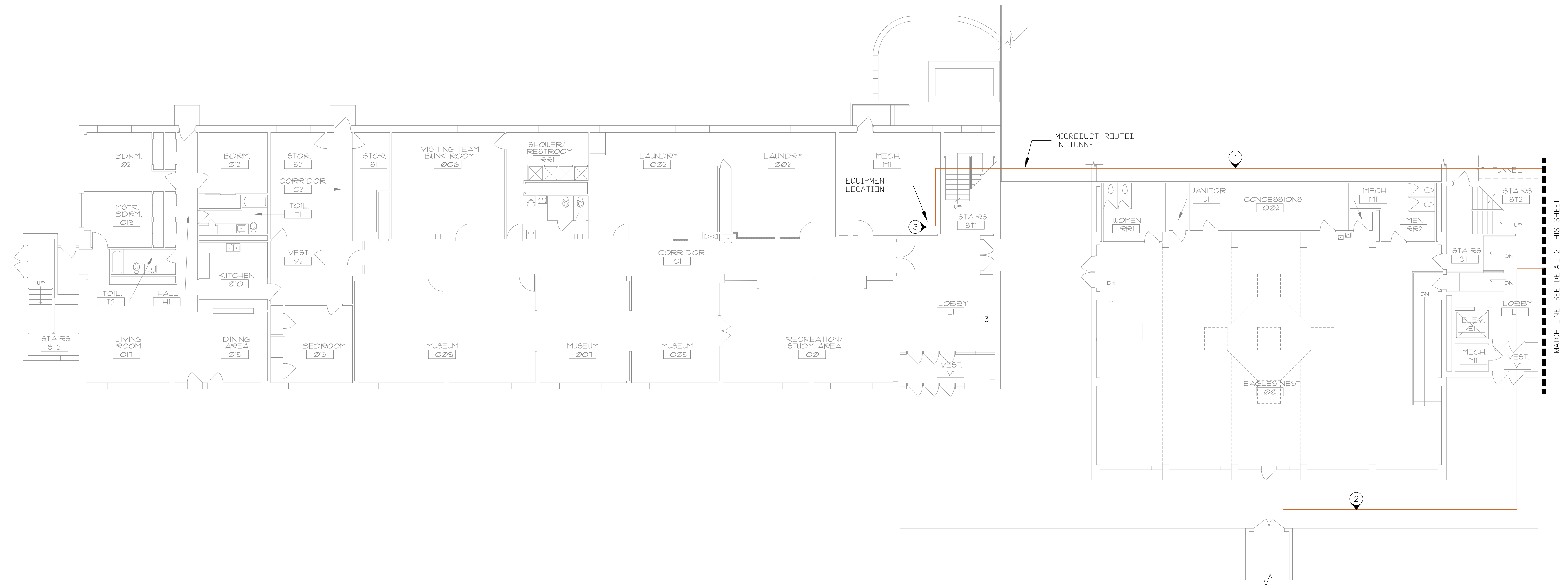
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DRAWN BY: MAA
CHECKED BY: JLD
DESIGNED BY: MAA

SHEET TITLE:
BUILDING PLAN
10, 11, & 12

SHEET NUMBER:

T-102

28 OF 34 SHEETS
02/19/2024

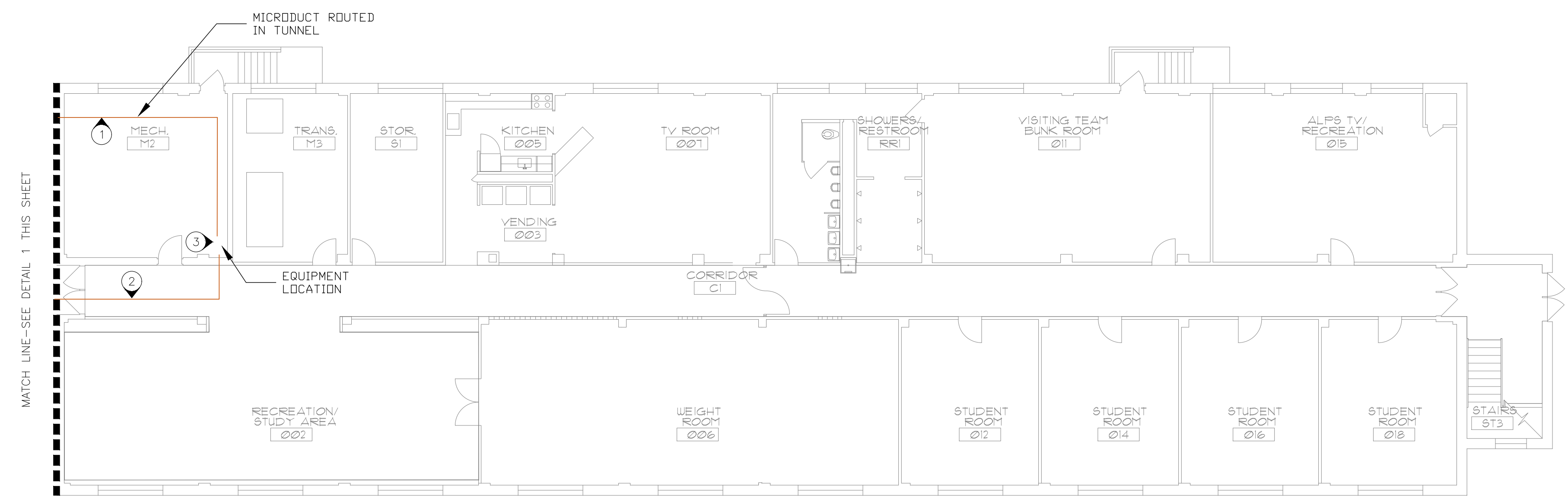


1 KERR HALL AND EAGLES NEST GROUND FLOOR PLAN
SCALE: 3/32"=1'-0"

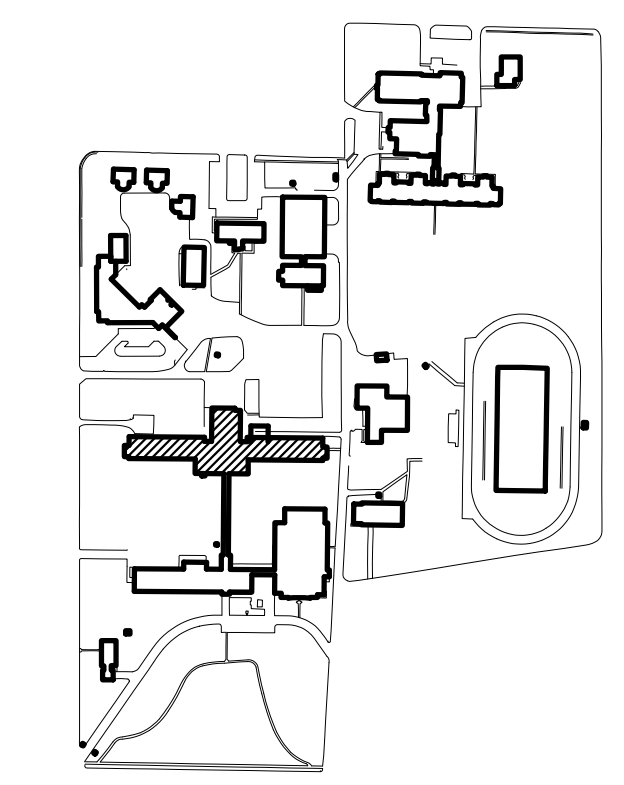
NOTES

Ⓝ INDICATES KEYED NOTES

- 1 INSTALL 2 CELL MICRODUCT BETWEEN TATE HALL AND KERR HALL USING THE TUNNEL SYSTEM.
- 2 INSTALL 3 CELL MICRODUCT BETWEEN THE NETWORK ROOM IN TATE HALL TO THE EXISTING DURALINE 7 CELL MICRODUCT AT WHEELER HALL BUILDING ENTRANCE. INSTALL EMT CONDUIT IN EXPOSED AREAS TO PROTECT AND SUPPORT THE MICRODUCT.
- 3 TERMINATE FIBER IN EXISTING RACK USING A CORNING CCH-01U PANEL.
- 4 INSTALL 12 STRAND SINGLEMODE FIBER BETWEEN THE POWERHOUSE AND KERR HALL.
- 5 INSTALL 12 STRAND SINGLEMODE FIBER BETWEEN THE POWERHOUSE AND TATE HALL.



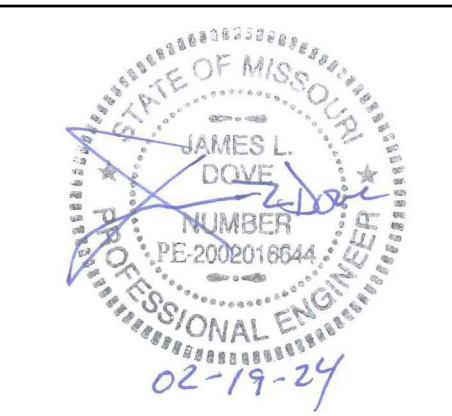
2 TATE HALL GROUND FLOOR PLAN
SCALE: 3/32"=1'-0"



3 SITE LEGEND

MATCH LINE—SEE DETAIL 1 THIS SHEET

MATCH LINE—SEE DETAIL 2 THIS SHEET



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SITE WIDE PHASE II

MISSOURI SCHOOL FOR THE
DEAF

FULTON, MISSOURI

PROJECT # E1617-02
SITE# 2490
ASSET# MULTIPLE

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 02/19/2024

CAD DWG FILE: MSD-t.dwg
DRAWN BY: MAA
CHECKED BY: JLD
DESIGNED BY: MAA

SHEET TITLE:
BUILDING PLAN
5, 6, 7, & 8

SHEET NUMBER:

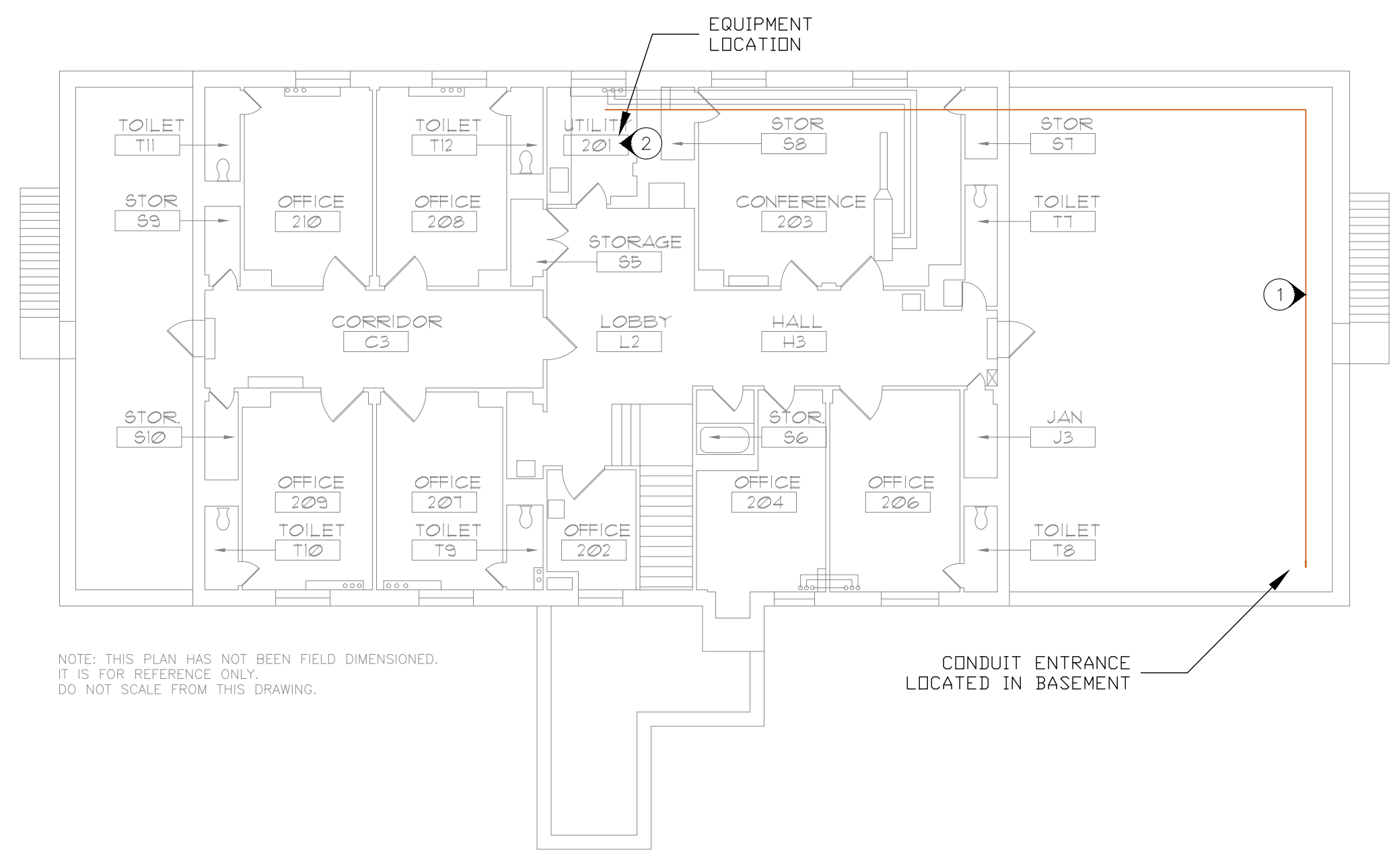
T-103

29 OF 34 SHEETS
02/19/2024

NOTES

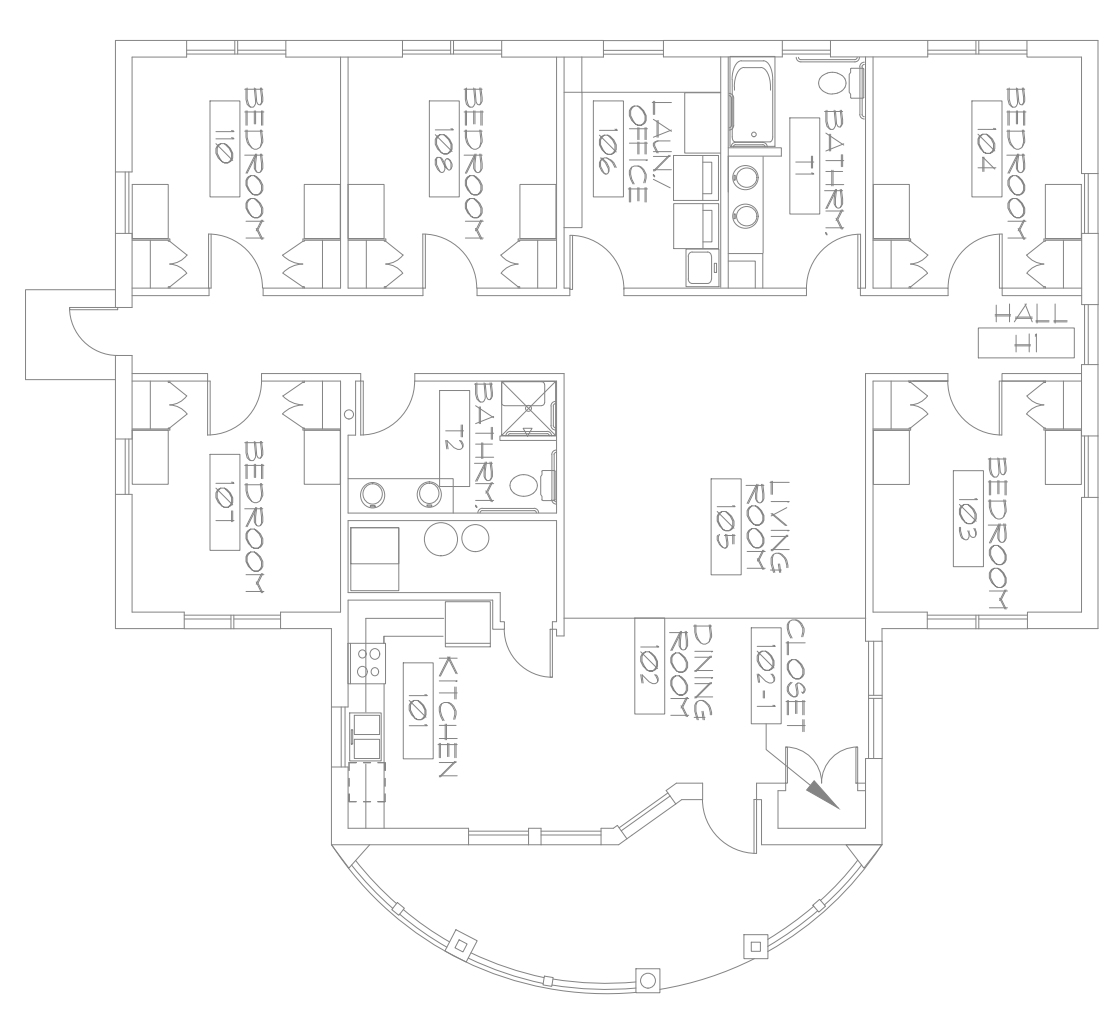
(N) INDICATES KEYED NOTES

- 1 INSTALL DURALINE 2 CELL MICRODUCT BETWEEN THE NETWORK ROOM IN THE RESOURCE CENTER TO THE EXISTING MICRODUCT AT THE BUILDING ENTRANCE. INSTALL EMT CONDUIT IN EXPOSED AREAS TO PROTECT THE MICRODUCT. COUPLE MICRODUCT TO CREATE A COMPLETE PATH TO THE POWER HOUSE.
- 2 TERMINATE FIBER IN EXISTING RACK USING A CORNING CCH-01U PANEL.
- 3 INSTALL 2 CELL MICRODUCT BETWEEN THE NETWORK CABINET IN THE REDDEN HOUSE TO THE EXISTING DURALINE MICRODUCT IN STARK.
- 4 INSTALL 12 STRAND SINGLEMODE FIBER BETWEEN THE POWERHOUSE AND THE RESOURCE CENTER.
- 5 INSTALL 12 STRAND SINGLEMODE FIBER BETWEEN THE POWERHOUSE AND THE REDDEN HOUSE.
- 6 ALL CAMERA AND DOOR CONTROLS WILL CABLE BACK TO REDDEN HOUSE FROM REID AND GANNON USING UNDERGROUND RATED CABLE IN AN EXISTING CONDUIT.
- 7 REMOVE ANY ABANDONED CABLES TO REDDEN HOUSE FROM GANNON, REID AND STARK.
- 8 GANNON AND RED WILL CABLE DIRECTLY TO THE EQUIPMENT CABINETS AT THE REDDEN HOUSE USING UNDERGROUND RATED CABLES.

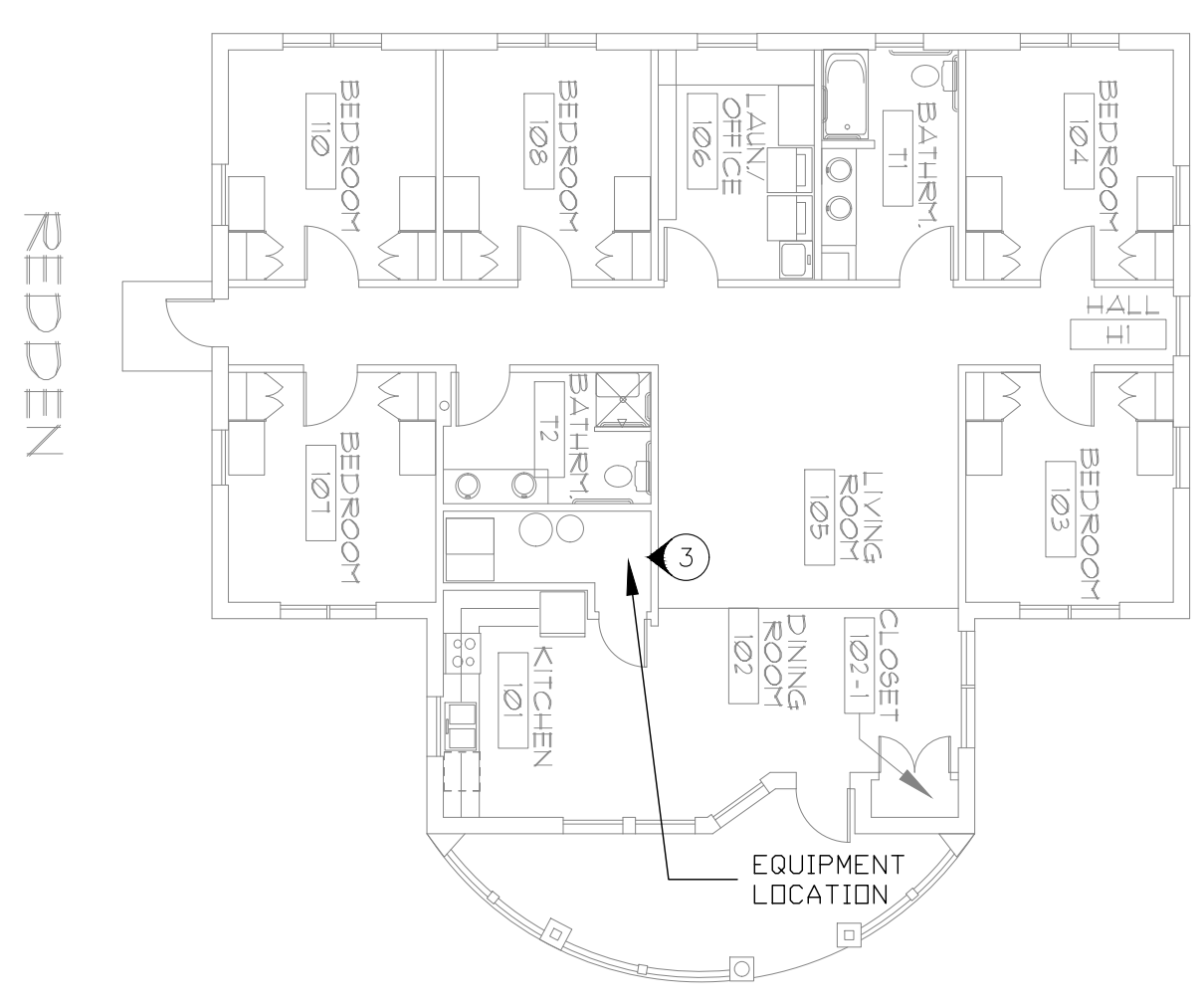


NOTE: THIS PLAN HAS NOT BEEN FIELD DIMENSIONED. IT IS FOR REFERENCE ONLY. DO NOT SCALE FROM THIS DRAWING.

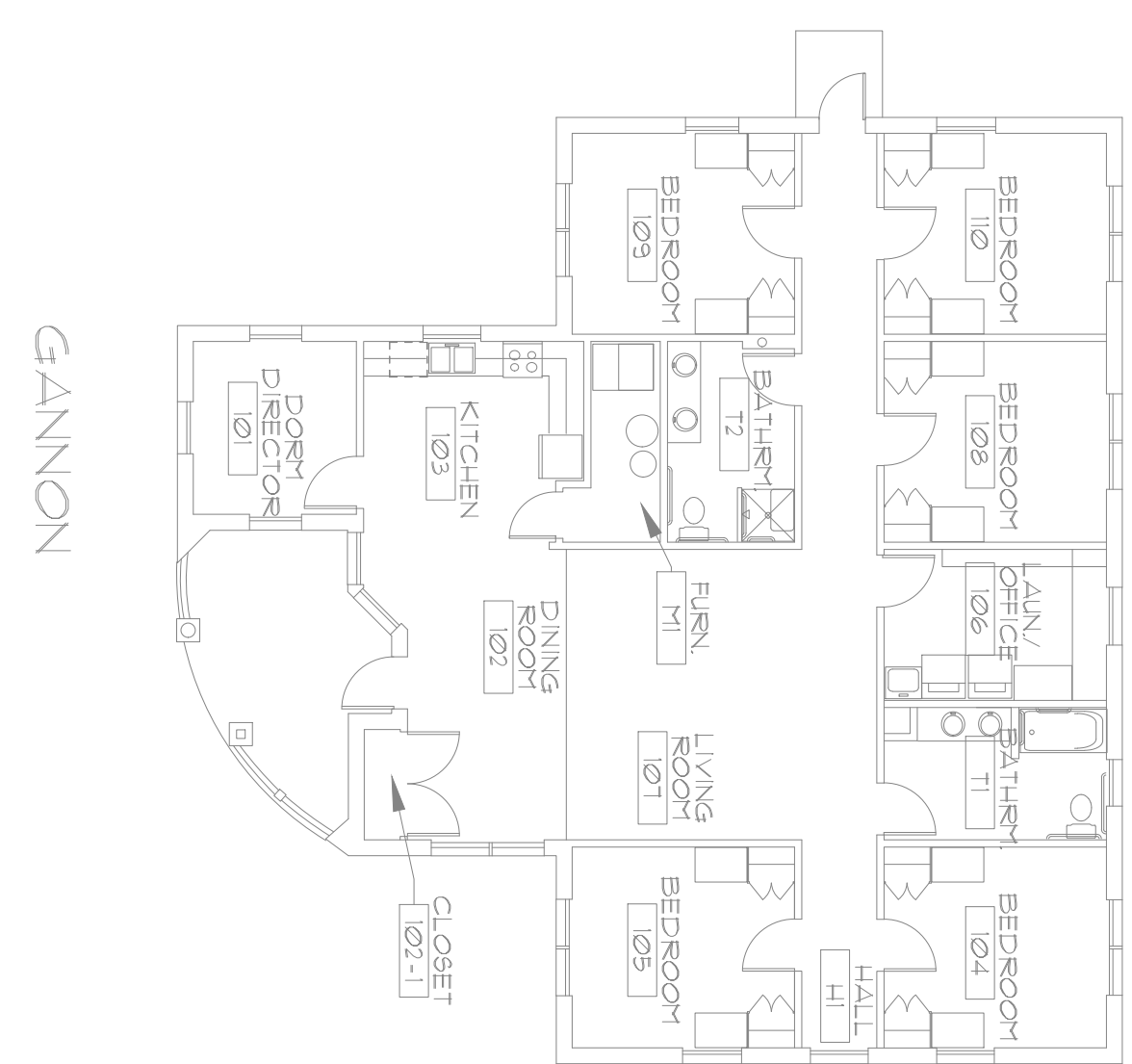
1 RESOURCE CENTER BUILDING GROUND FLOOR PLAN
SCALE: 3/32"=1'-0"



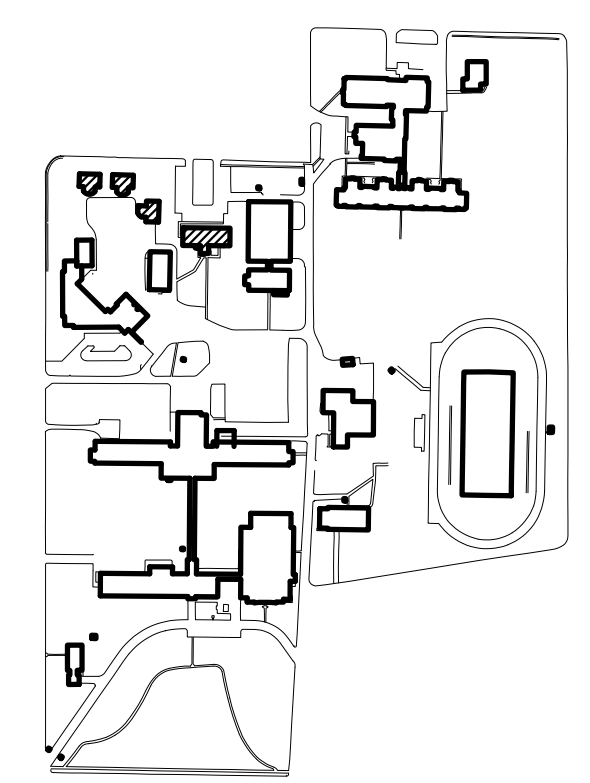
2 REID HOUSE FLOOR PLAN
SCALE: 3/32"=1'-0"



3 REDDEN HOUSE FLOOR PLAN
SCALE: 3/32"=1'-0"

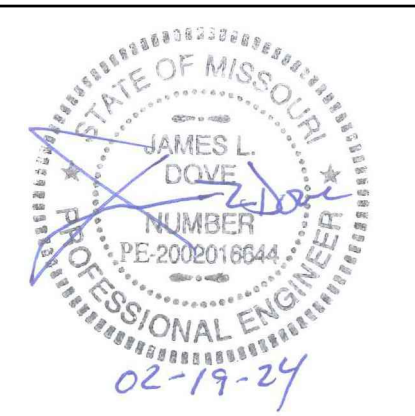


4 GANNON HOUSE FLOOR PLAN
SCALE: 3/32"=1'-0"



FACILITY 31015- RESOURCE CENTER
FACILITY 31033- GANNON HOUSE
FACILITY 31034- REDDEN HOUSE
FACILITY 31035- REID HOUSE

5 SITE LEGEND



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FULTON, MISSOURI

PROJECT # E1617-02
SITE# 2490
ASSET# MULTIPLE

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ISSUE DATE: 02/19/2024

CAD DWG FILE: MSD-t.dwg
DRAWN BY: MAA
CHECKED BY: JLD
DESIGNED BY: MAA

SHEET TITLE:
BUILDING PLAN
13

SHEET NUMBER:

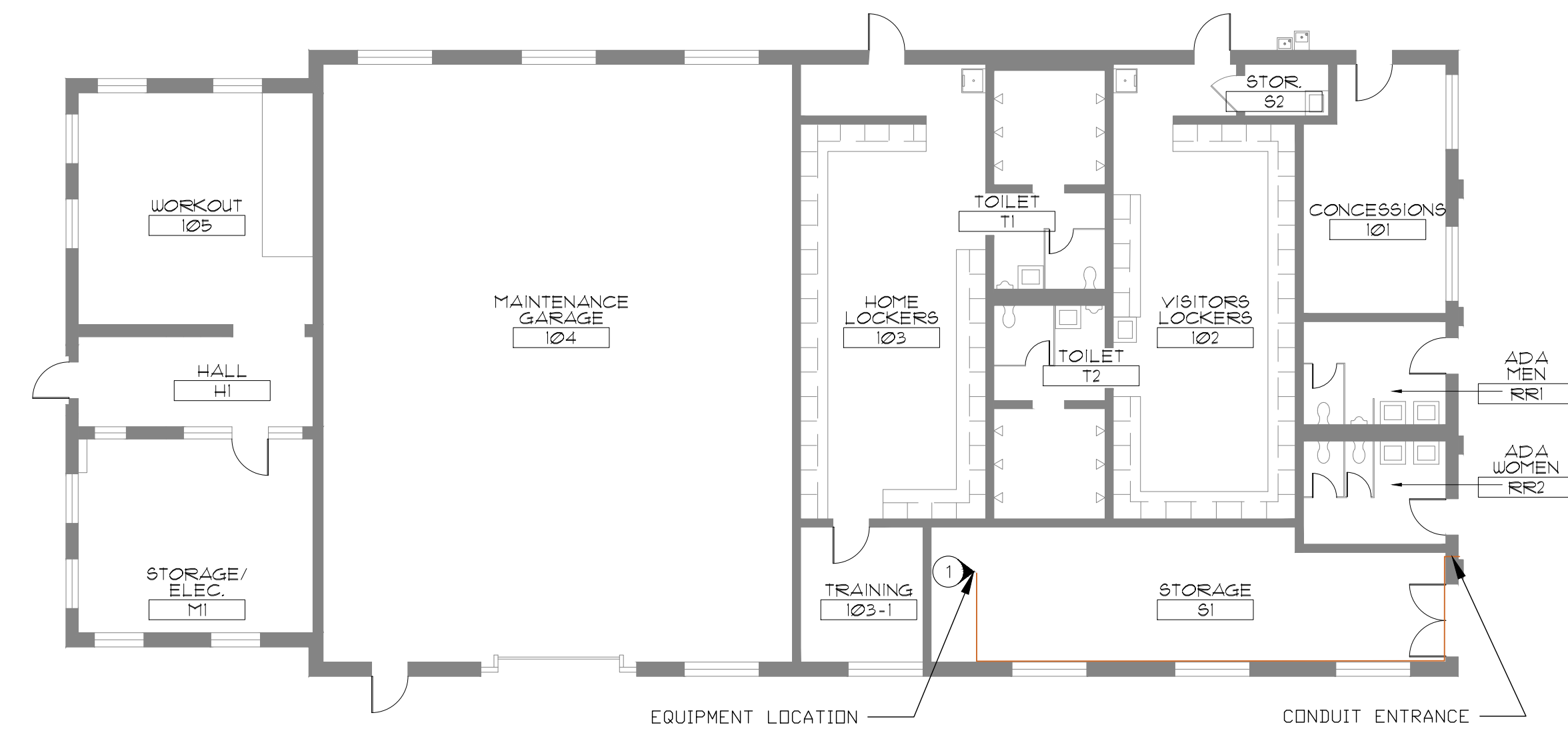
T-104

30 OF 34 SHEETS
02/19/2024

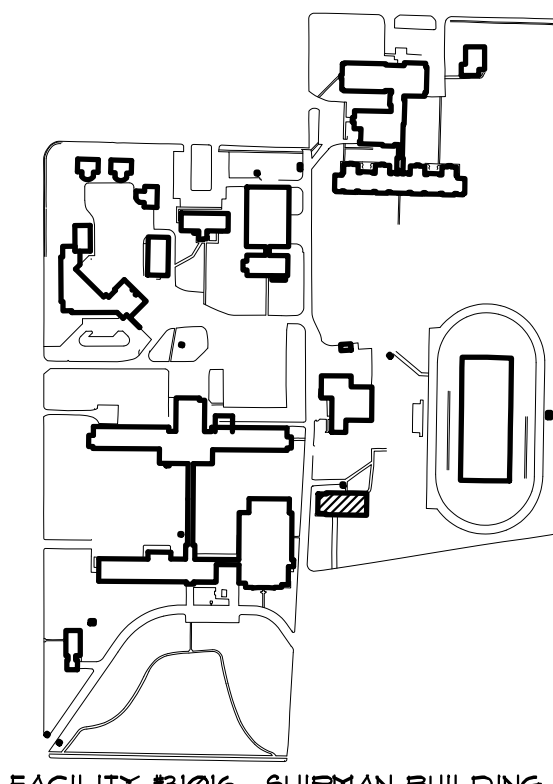
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(N) INDICATES KEYED NOTES

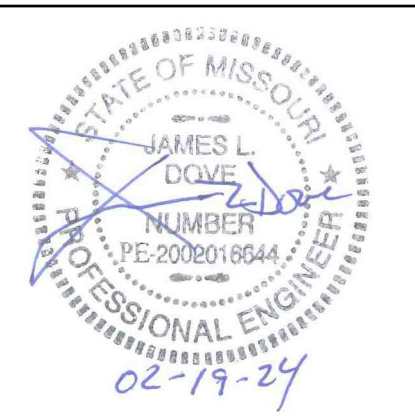
- 1 NEW 2 CELL MICRODUCT ENDS IN THIS LOCATION. TERMINATE FIBER IN EXISTING RACK USING A CORNING CCH-01U PANEL.
- 2 INSTALL 12 STRAND SINGLEMODE FIBER BETWEEN THE POWERHOUSE AND THE SHIPMAN BUILDING.



1 SHIPMAN BUILDING FLOOR PLAN
SCALE: 3/32"=1'-0"



2 SITE LEGEND



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CAD DWG FILE: MSD-t.dwg
DRAWN BY: MAA
CHECKED BY: JLD
DESIGNED BY: MAA

SHEET TITLE:
**TECHNOLOGY
DIAGRAM
BUILDING 15 & 16**

SHEET NUMBER:

T-105

31 OF 34 SHEETS
02/19/2024

GENETEC SYSTEM NOTES

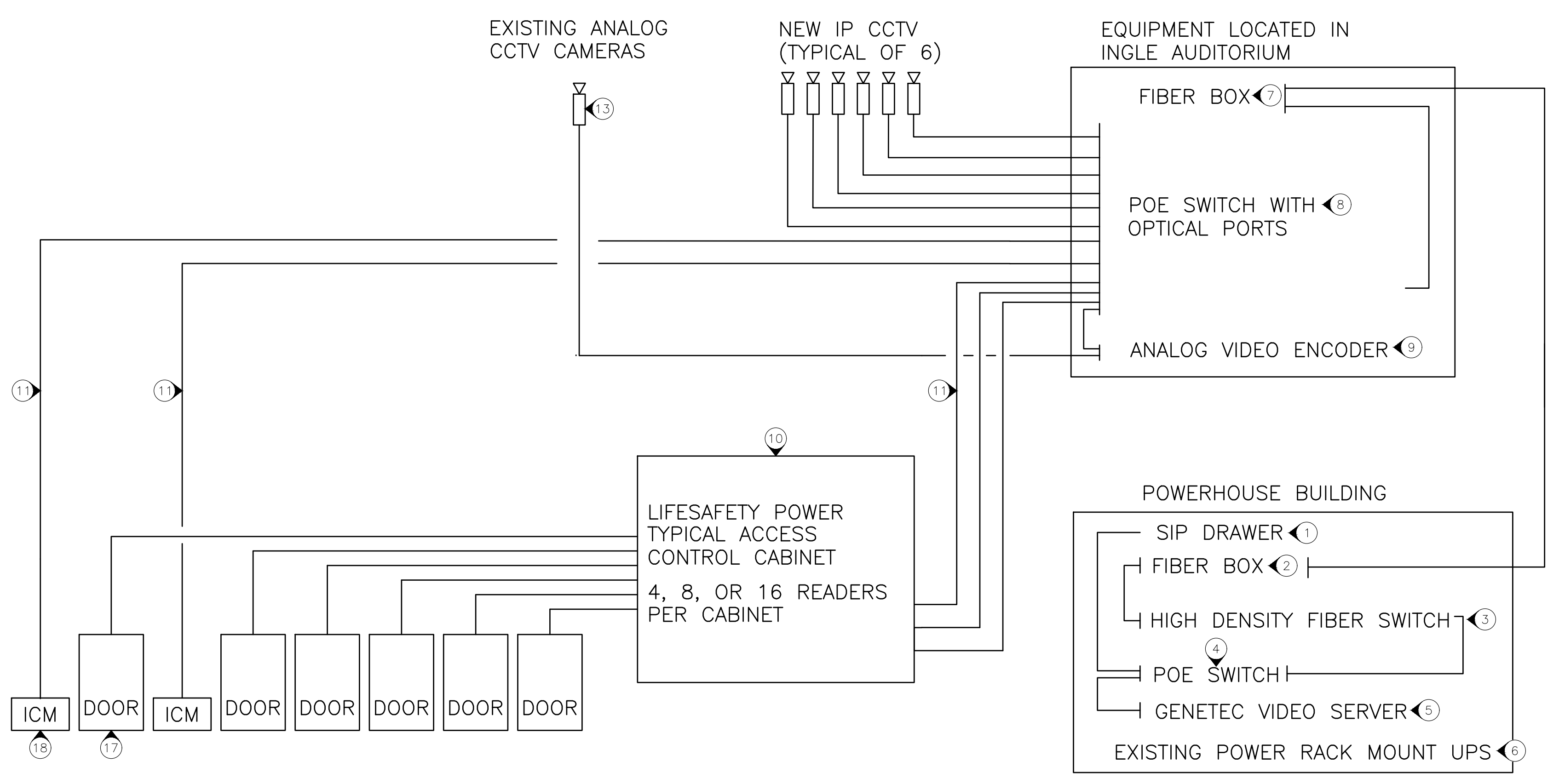
(N) INDICATES KEYED NOTES

- 1 UPGRADE SECURITY CENTER BASE FROM STANDARD TO PROFESSIONAL. GENETEC PART NUMBER GSC-S2P-UP.
- 2 UPGRADE OMNICAST CAMERA CONNECTION FROM STANDARD TO PROFESSIONAL. GENETEC PART NUMBER GSC-OM-S2P-1C-UP.
- 3 UPGRADE OMNICAST ANALOG CAMERA CONNECTION FROM STANDARD TO PROFESSIONAL. GENETEC PART NUMBER GSC-OM-S2P-1PAC-UP.
- 4 ADD-ON FOR EACH CAMERA. GENETEC PART NUMBER GSC-OM-P-1C.
- 5 ADD-ON FOR EACH CONNECTION TO AN INTERCOM STATION INCLUDING FAILOVER AND BIDIRECTIONAL AUDIO AND VIDEO RECORDING.
- 6 ADD-ON STREAMVAULT 4040EX SERIES - 2U 12 BAY APPLIANCE 144TB RAW RAID 6 2X XEON SILVER 4410Y 64GB RAM 2X 480GB M.2 SSD 12X 12TB 3.5" ENTERPRISE HDDs 2X 1GBE RJ45 2X 10/25GBE SPF28 2X 1100W PSU WINDOWS SERVER STANDARD 5YR NBD KYHD WARRENTY - GENETEC SECURITY CENTER PRE-INSTALLED.
- 7 RENEW ADVANTAGE PROGRAM ALLOWING FOR SOFTWARE UPGRADES.
- 8 UPGRADE EXISTING GENETEC SYSTEM TO THE LATEST VERSION AT THE TIME OF INSTALLATION.
- 9 EXISTING SV1000 STREAMVAULT TO REMAIN.
- 10 UPGRADE FOR LAPSED GENETEC ADVANTAGE. GENETEC PART NUMBER ADV-UPGRADE.
- 11 GENETEC ADVANTAGE RENEWAL FOR 1 OMNICAST PRO CAMERA. GENETEC PART NUMBER ADV-RE-CAM-P-1Y.
- 12 RENEWAL GENETEC ADVANTAGE FOR 1 SYNERGIS READER. GENETEC PART NUMBER ADV-RE-RDR-S-1Y.
- 13 GENETEC ADVANTAGE FOR 1 SIPLEIA INTERCOM CONNECTION. GENETEC PART NUMBER ADV-SIP-1Y.
- 14 ALL SOFTWARE, LICENSES, AND MAINTENANCE CONTACTS SHALL BE INCLUDED FOR A 3 YEAR PERIOD.

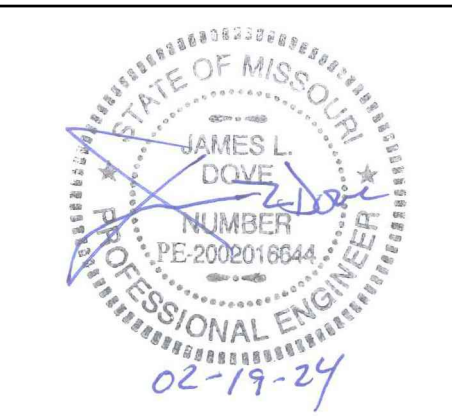
NOTES

(N) INDICATES KEYED NOTES

- 1 EXISTING SIP DRAWER STREAMVAULT SVW-300E LOCATED AT THE POWERHOUSE.
- 2 EXISTING FIBER TERMINATION BOX LOCATED AT THE POWERHOUSE.
- 3 EXISTING FIBER SWITCH LOCATED AT THE POWERHOUSE.
- 4 EXISTING POWER OVER ETHERNET SWITCH LOCATED AT THE POWERHOUSE WILL BE REPLACED BY THE STATE OF MISSOURI IT DEPARTMENT.
- 5 EXISTING GENETEC STREAMVAULT SV-1000E UNIFIED SECURITY SYSTEM LOCATED AT THE POWERHOUSE. REPLACE THIS SYSTEM WITH A CURRENT GENETEC SYSTEM SIZED FOR EXITING LOAD AND THE ADDED BUILDING LOADS WITH 30 DAYS OF VIDEO STORAGE. THIS SYSTEM MUST BE MAINTAINED FOR 5 YEARS WITH THE NEW GENETEC SOFTWARE RELEASES ADDED AS RELEASED.
- 6 EXISTING UPS LOCATED AT THE POWERHOUSE. REPLACE THIS UPS WITH A NEW UPS WITH THE CAPACITY TO HANDLE ADDED BUILDING LOAD FOR 1 HOUR OF RUNTIME.
- 7 CORNING FIBER BOX TERMINATING THE 12 STRAND SINGLE MODE CABLE FROM THE POWERHOUSE.
- 8 BUILDING POWER OVER ETHERNET SWITCH PROVIDED AND INSTALLED BY THE STATE OF MISSOURI IT DEPARTMENT.
- 9 AXIS M7016 VIDEO ENCODER FOR UP TO 16 EXISTING ANALOG CAMERAS. AXIS M7014 FOR UP TO 4 EXISTING ANALOG CAMERAS. CONNECTS TO NETWORK SWITCH WITH POE DATA PORT.
- 10 GENETEC ACCESS CONTROL CABINET. UP TO 12 DOOR CONTROL READERS PER BOX. REQUIRES ONE 20A 120V DEDICATED OUTLET.
- 11 CAT6A DATA CABLE.
- 12 DEDICATED 120V 20A POWER CIRCUIT FROM NEAREST OPEN PANEL AS NEEDED.
- 13 EXISTING ANALOG CAMERAS WILL ROUTE TO NEW AXIS ANALOG VIDEO ENCODER.
- 14 CAMERAS, MODEL SPECIFIED ON E-106
- 15 VACANT
- 16 GENETEC MERCURY SECURITY MR16IN INPUT MODULE FOR UP TO 16 READERS.
- 17 HID DOOR CARD READER
- 18 INTERCOM
- 19 REMOVE ANY UNUSED OR ABANDONED SECURITY RELATED EQUIPMENT AND POWER SUPPLIES.
- 20 SIZE THE GENETEC SYSTEM TO SERVE ALL CAMERAS, INTERCOMS, AND DOOR CONTROLS SERVED IN THIS AREA.



1 HARRISON GYMNASIUM AND INGLE AUDITORIUM TECHNOLOGY DIAGRAM



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SITE# 2490
ASSET# MULTIPLE

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ISSUE DATE: 02/19/2024

CAD DWG FILE: MSD-t.dwg
DRAWN BY: MAA
CHECKED BY: JLD
DESIGNED BY: MAA

SHEET TITLE:
TECHNOLOGY
DIAGRAM
BUILDING 10 & 12

SHEET NUMBER:

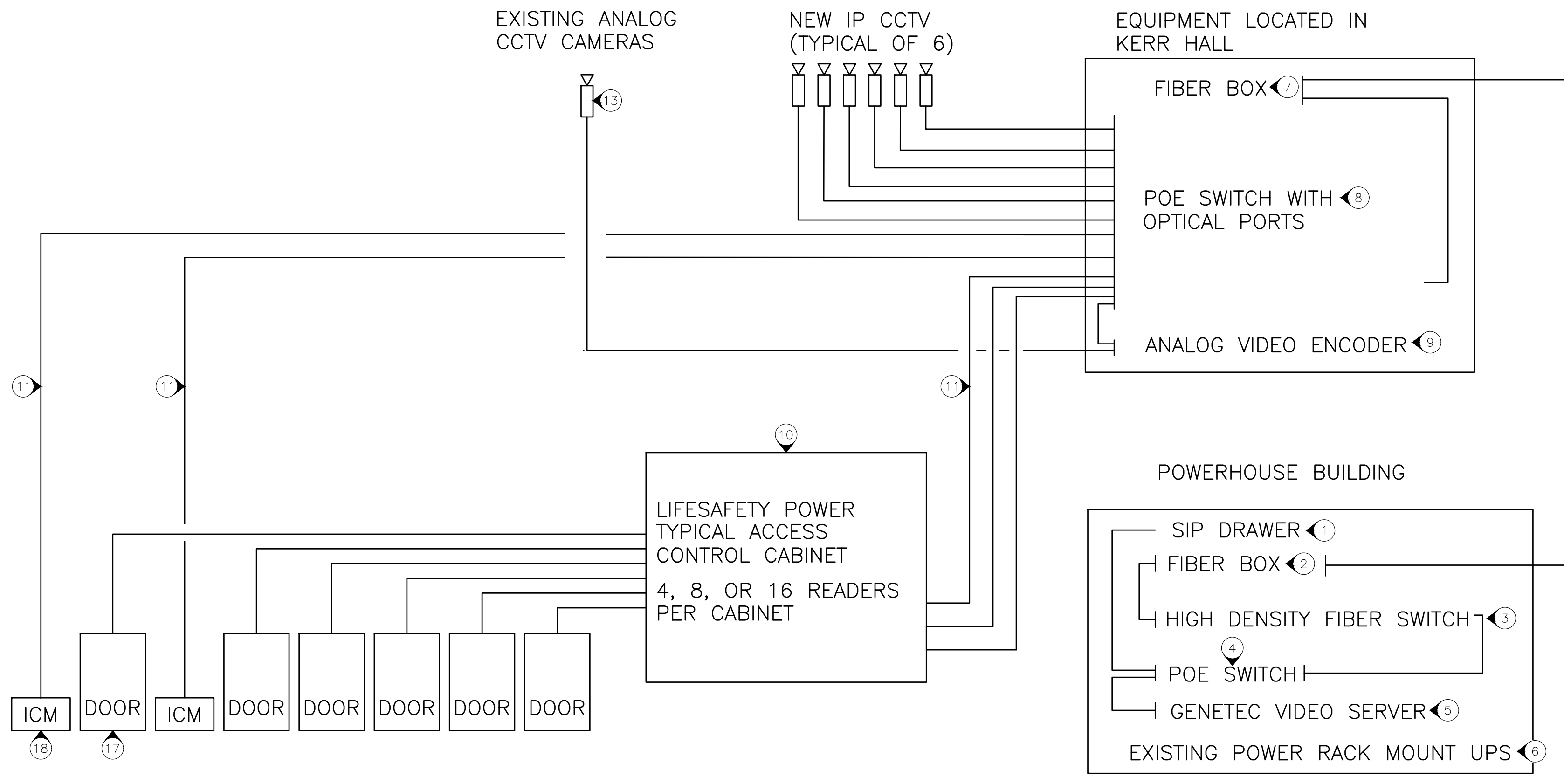
T-106

32 OF 34 SHEETS
02/19/2024

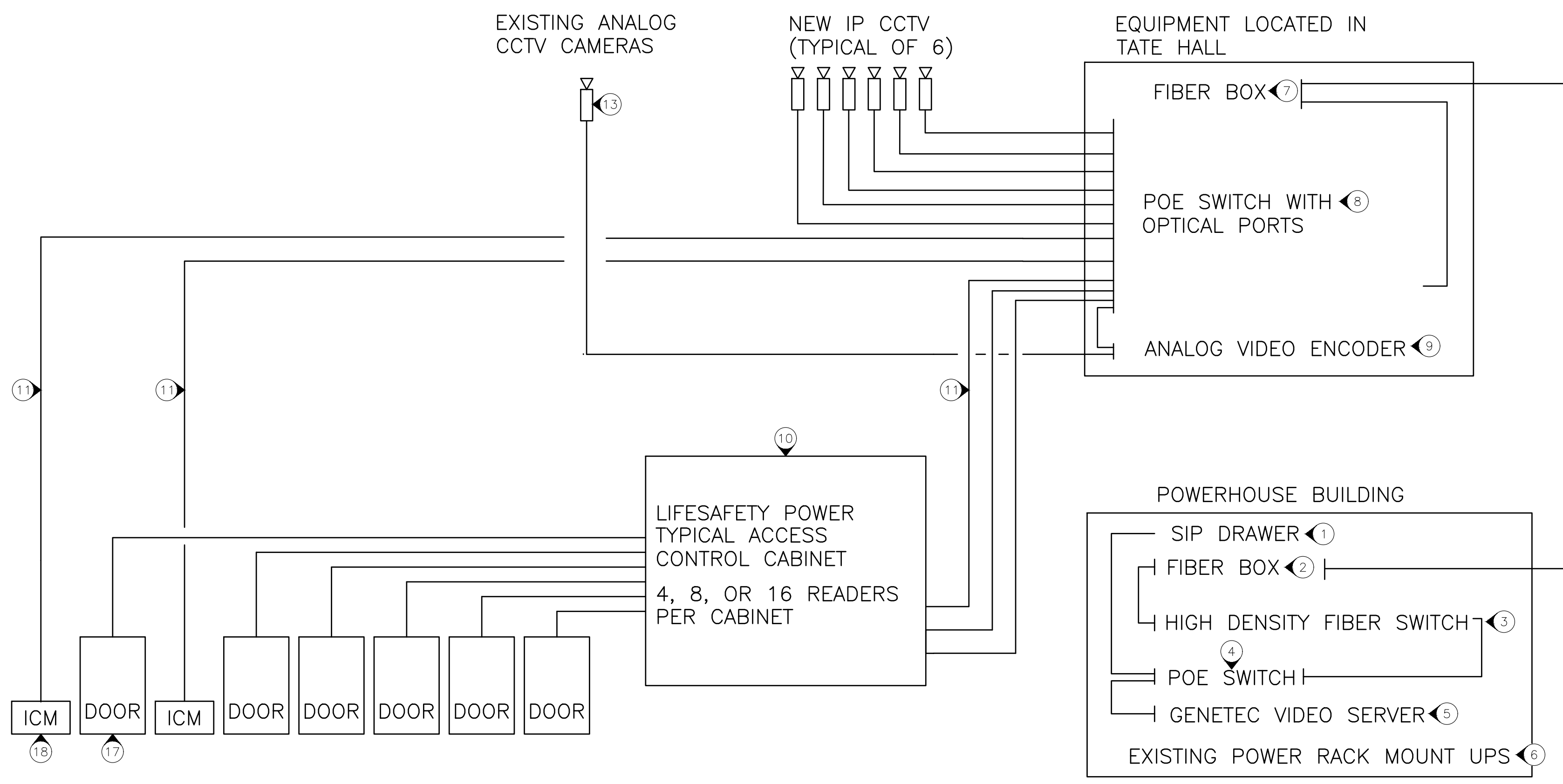
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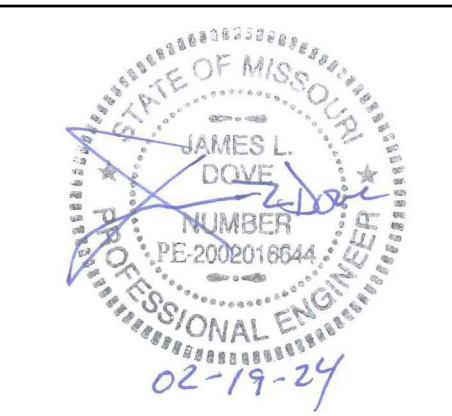
- 1 EXISTING SIP DRAWER STREAMVAULT SVW-300E LOCATED AT THE POWERHOUSE.
- 2 EXISTING FIBER TERMINATION BOX LOCATED AT THE POWERHOUSE.
- 3 EXISTING FIBER SWITCH LOCATED AT THE POWERHOUSE.
- 4 EXISTING POWER OVER ETHERNET SWITCH LOCATED AT THE POWERHOUSE WILL BE REPLACED BY THE STATE OF MISSOURI IT DEPARTMENT.
- 5 EXISTING GENETEC STREAMVAULT SV-1000E UNIFIED SECURITY SYSTEM LOCATED AT THE POWERHOUSE. REPLACE THIS SYSTEM WITH A CURRENT GENETEC SYSTEM SIZED FOR EXISTING LOAD AND THE ADDED BUILDING LOADS WITH 30 DAYS OF VIDEO STORAGE. THIS SYSTEM MUST BE MAINTAINED FOR 5 YEARS WITH THE NEW GENETEC SOFTWARE RELEASES ADDED AS RELEASED.
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- 14 CAMERAS, MODEL SPECIFIED ON E-106
- 15 VACANT
- 16 GENETEC MERCURY SECURITY MR16IN INPUT MODULE FOR UP TO 16 READERS.
- 17 HID DOOR CARD READER
- 18 INTERCOM
- 19 REMOVE ANY UNUSED OR ABANDONED SECURITY RELATED EQUIPMENT AND POWER SUPPLIES.
- 20 SIZE THE GENETEC SYSTEM TO SERVE ALL CAMERAS, INTERCOMS, AND DOOR CONTROLS SERVED IN THIS AREA.



1 KERR HALL TECHNOLOGY DIAGRAM



2 TATE HALL TECHNOLOGY DIAGRAM



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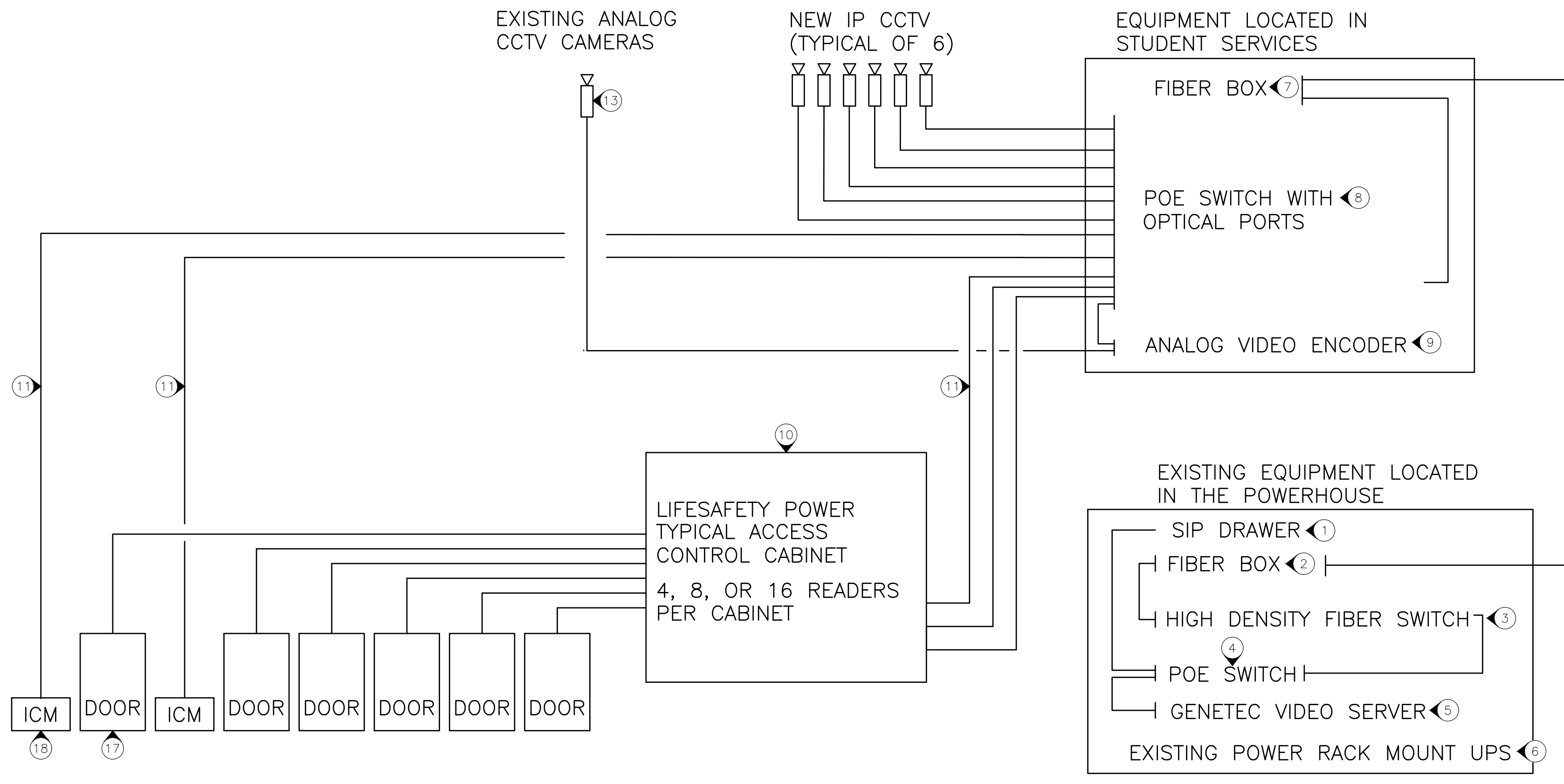
CAD DWG FILE: MSD-t.dwg
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CHECKED BY: JLD
DESIGNED BY: MAA

SHEET TITLE:
TECHNOLOGY
DIAGRAM
BUILDING 5, 6, 7, & 8

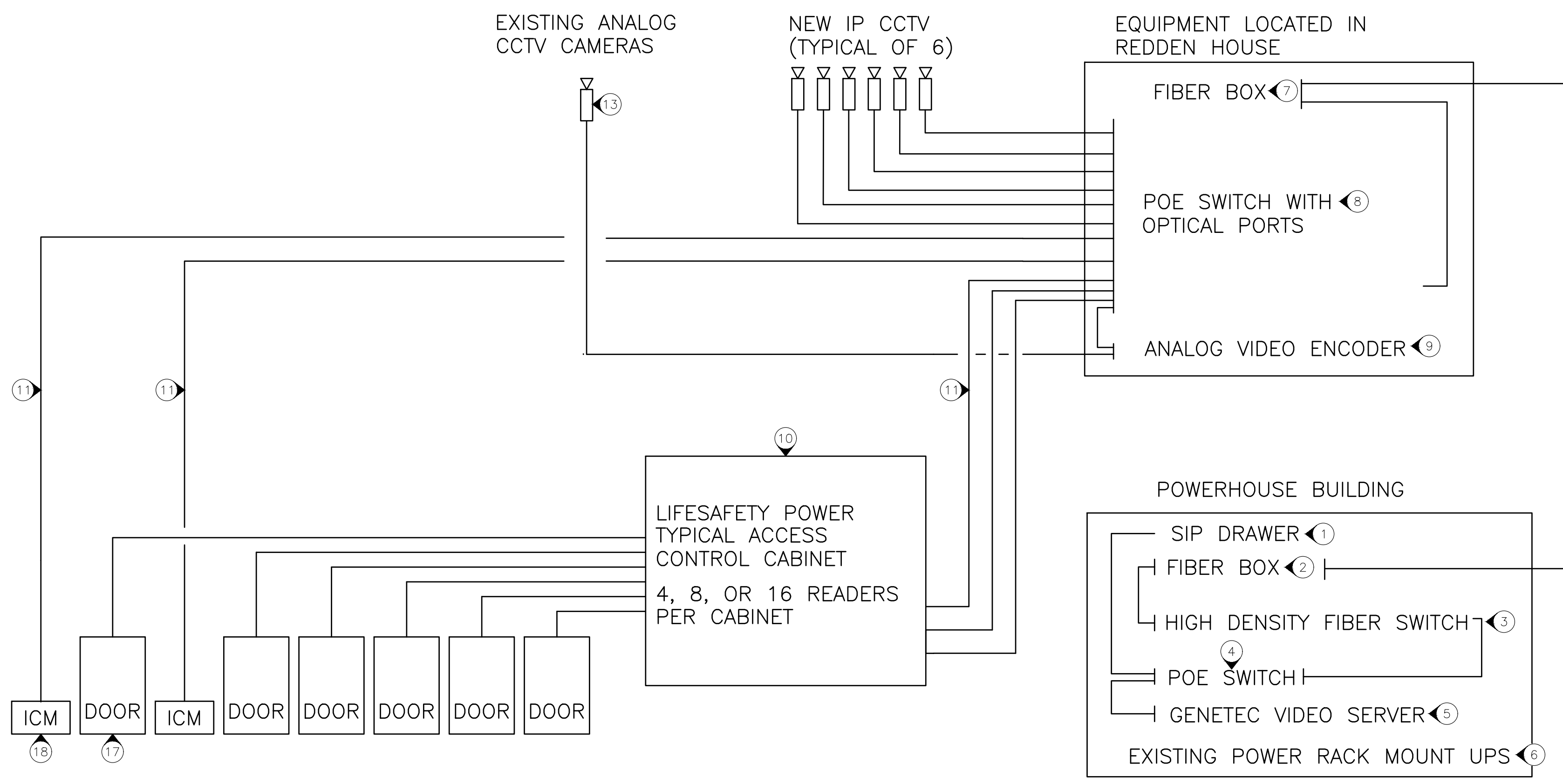
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T-107

33 OF 34 SHEETS
02/19/2024



1 RESOURCE CENTER TECHNOLOGY DIAGRAM

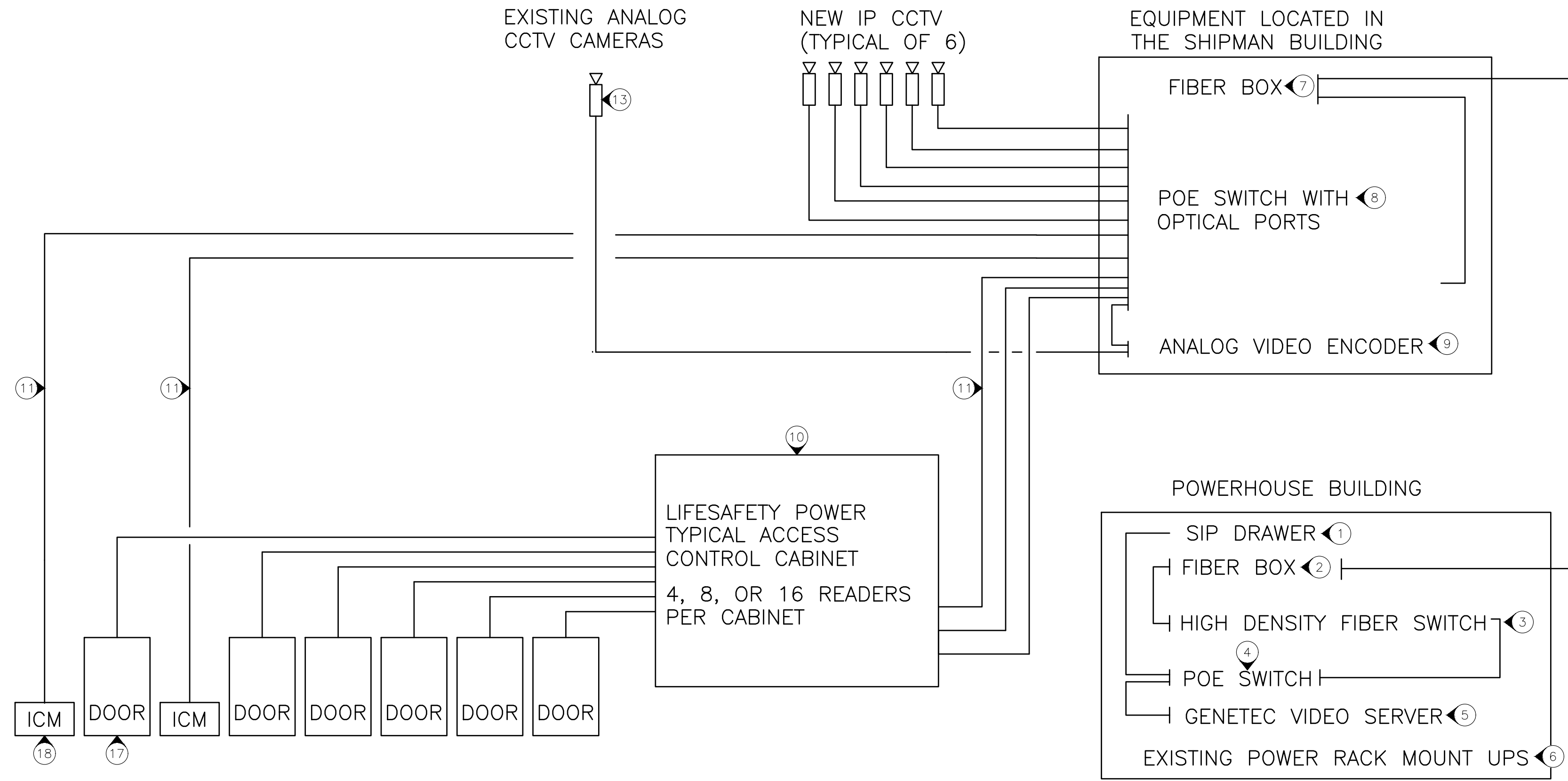


2 REDDEN, RIED, AND GANNON HOUSE TECHNOLOGY DIAGRAM

NOTES

(N) INDICATES KEYED NOTES

- 1 EXISTING SIP DRAWER STREAMVAULT SVW-300E LOCATED AT THE POWERHOUSE.
- 2 EXISTING FIBER TERMINATION BOX LOCATED AT THE POWERHOUSE.
- 3 EXISTING FIBER SWITCH LOCATED AT THE POWERHOUSE.
- 4 EXISTING POWER OVER ETHERNET SWITCH LOCATED AT THE POWERHOUSE WILL BE REPLACED BY THE STATE OF MISSOURI IT DEPARTMENT.
- 5 EXISTING GENETEC STREAMVAULT SV-1000E UNIFIED SECURITY SYSTEM LOCATED AT THE POWERHOUSE. REPLACE THIS SYSTEM WITH A CURRENT GENETEC SYSTEM SIZED FOR EXISTING LOAD AND THE ADDED BUILDING LOADS WITH 30 DAYS OF VIDEO STORAGE. THIS SYSTEM MUST BE MAINTAINED FOR 5 YEARS WITH THE NEW GENETEC SOFTWARE RELEASES ADDED AS RELEASED.
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- 17 HID DOOR CARD READER
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- 20 SIZE THE GENETEC SYSTEM TO SERVE ALL CAMERAS, INTERCOMS, AND DOOR CONTROLS SERVED IN THIS AREA.

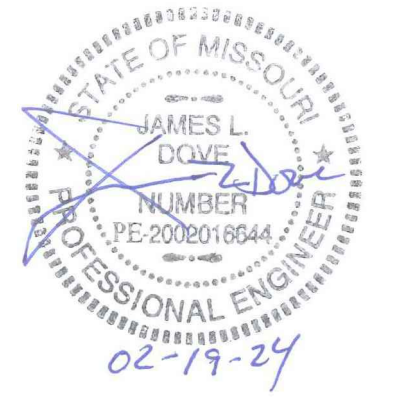


1 SHIPMAN TECHNOLOGY DIAGRAM

NOTES

(N) INDICATES KEYED NOTES

- 1 EXISTING SIP DRAWER STREAMVAULT SVW-300E LOCATED AT THE POWERHOUSE.
- 2 EXISTING FIBER TERMINATION BOX LOCATED AT THE POWERHOUSE.
- 3 EXISTING FIBER SWITCH LOCATED AT THE POWERHOUSE.
- 4 EXISTING POWER OVER ETHERNET SWITCH LOCATED AT THE POWERHOUSE WILL BE REPLACED BY THE STATE OF MISSOURI IT DEPARTMENT.
- 5 EXISTING GENETEC STREAMVAULT SV-1000E UNIFIED SECURITY SYSTEM LOCATED AT THE POWERHOUSE. REPLACE THIS SYSTEM WITH A CURRENT GENETEC SYSTEM SIZED FOR EXISTING LOAD AND THE ADDED BUILDING LOADS WITH 30 DAYS OF VIDEO STORAGE. THIS SYSTEM MUST BE MAINTAINED FOR 5 YEARS WITH THE NEW GENETEC SOFTWARE RELEASES ADDED AS RELEASED.
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DRAWN BY: MAA
CHECKED BY: JLD
DESIGNED BY: MAA

SHEET TITLE:
TECHNOLOGY
DIAGRAM
BUILDING 13

SHEET NUMBER:

T-108