

DISTRICT SECURITY UPGRADES

BATTLE CREEK PUBLIC SCHOOLS
BATTLE CREEK, MI

Project Number: BCPS2501-0101



6100 NEWPORT ROAD, SUITE 225, PORTAGE, MI 49002 269.203.2444 AETECH.DESIGN

BATTLE CREEK PUBLIC SCHOOLS
DISTRICT SECURITY UPGRADES
BATTLE CREEK, MI

Title Sheet

ISSUE / DATE
2025-08-11 BIDS

DRAWN BY
CDB

PROJECT NO.
BCPS2501-0101

SHEET NO.

TG01

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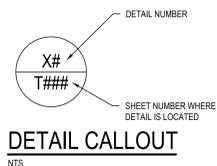
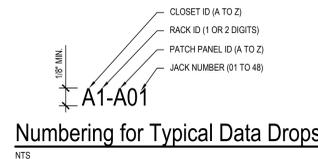
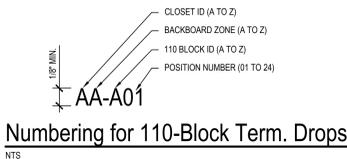
WORK SCOPE LEGEND				
CATEGORY	DEFINITION OF WORK	ACCESS CONTROL	CAMERA	OWNER
ACCESS CONTROL	DEMO EXISTING ACCESS CONTROL DEVICES AND ENCLOSURES (INCLUDING POWER SUPPLIES, BATTERIES, CONTROL BOARDS, AND ALL ASSOCIATED HARDWARE)	X		
	SUPPLY AND INSTALL ACCESS CONTROL SERVER (SOFTWARE, AND HARDWARE IF NOT VIRTUAL)	X		
	PROVIDE IP ADDRESS FOR ACCESS CONTROL SERVER			X
	CONFIGURE ACCESS CONTROL SERVER	X		
	PROVIDE AND INSTALL ACCESS CONTROL ROUGH-INS (BOXES, CONDUITS, RACEWAY, PATHWAY)	X		
	PROVIDE AND INSTALL ACCESS CONTROL CABLING	X		
	PROVIDE AND INSTALL PREMISE CABLING & TERMINATION FOR ACCESS CONTROL EQUIPMENT	X		
SURVEILLANCE CAMERAS	DEMO EXISTING CAMERAS (RETURN TO OWNER)		X	
	TEST CAMERA PREMISE CABLING		X	
	DEMO EXISTING CAMERA PREMISE CABLING THAT FAILS TESTING		X	
	PROVIDE AND INSTALL CAMERA PATHWAY (STRUCTURED CABLING BACKBONE PATHWAY)		X	
	PROVIDE AND INSTALL CAMERA ROUGH-INS		X	
	PROVIDE AND INSTALL BACKBONE AND PREMISE CABLING, AND TERMINATION FOR CAMERA EQUIPMENT		X	
	PROVIDE IP ADDRESS FOR CAMERA SERVER			X
	CONFIGURE CAMERA SERVER		X	
	SUPPLY AND INSTALL CAMERA SERVER (IF NOT VIRTUAL)		X	
	PROVIDE AND INSTALL CAMERA PATCH CORDS		X	
	SUPPLY EXISTING CAMERAS			X
	SUPPLY NEW CAMERAS		X	
	PROVIDE IP ADDRESS RANGE FOR CAMERAS			X
	CONFIGURE CAMERAS		X	
	VERIFY FINAL PLACEMENT OF CAMERAS PRIOR TO INSTALLATION		X	X
INSTALL CAMERAS		X		
GROUND CAMERAS AND CAMERA EQUIPMENT TO STRUCTURE OR BUSBARS (IF AVAILABLE)		X		

RISER LEGEND	
SYMBOL	DESCRIPTION
----	ZONE OR AREA
▬	BY OTHERS OR EXISTING
▬	NEW
⋮	OPTIONAL
⬮	PLUG INTO 120V RECEPTACLE
⬮	CONNECT TO GROUND
⊙	WIFI CONNECTION
⊙	GENERIC RF CONNECTION
⊙	BLUETOOTH CONNECTION
⊙	CELLULAR CONNECTION
R	8P8C (RJ45) NETWORK
BK	KEYED 8P8C (RJ45)
SS	SHIELDED 8P8C (RJ45)
CM	COMPONENT VIDEO
CS	COMPOSITE VIDEO
S	SVIDEO
V	HD15 (VGA) VIDEO
D	DVI VIDEO
H	HDMI VIDEO
LR	RED & WHITE RCA AUDIO
SS	3.5MM STEREO AUDIO
14	1/4" STEREO AUDIO
X	XLR MICROPHONE
F	COAX TYPE "F"
N	NEUTRIK NLAMP
U	USB

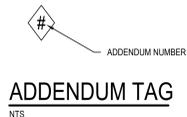
ABBREVIATIONS	
ABBREVIATION	TERMINOLOGY
AC	ACCESS CONTROL
AFF	ABOVE FINISH FLOOR
ATS	AUTOMATIC TRANSFER SWITCH
AV OR AV	AUDIO / VIDEO
BAS	BUILDING AUTOMATION SYSTEM
BB	BACKBOARD
CIP	CAST IN PLACE
CLG	CEILING
CP	CONSOLIDATION POINT
EC	ELECTRICAL CONTRACTOR
EF	ENTRANCE FACILITY
EMT	ELECTRICAL METALLIC TUBING
EQ	EQUAL
EQUIV	EQUIVALENT
ER	EQUIPMENT ROOM
EXIST	EXISTING
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GRD	GROUND
HC	HORIZONTAL CROSS-CONNECT
IC	INTERMEDIATE CROSS-CONNECT
MC	MAIN CROSS-CONNECT
NIC	NOT IN CONTRACT
OC	ON CENTER
OSP	OUTSIDE PLANT
PBB	PRIMARY BONDING BUSBAR
PT	POKE-THROUGH
RBC	RACK BONDING CONDUCTOR
SBB	SECONDARY BONDING BUSBAR
SC	STRUCTURED CABLING
SCC	STRUCTURED CABLING CONTRACTOR
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TE	TELECOMMUNICATIONS ENCLOSURE
TEBC	TELECOMMUNICATIONS EQUIPMENT BONDING CONDUCTOR
TO	TELECOMMUNICATIONS OUTLET
TR	TELECOMMUNICATIONS ROOM
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTIBLE POWER SUPPLY
WA	WORK AREA

LIST OF DRAWINGS	
NUMBER	TITLE
TG01	Title Sheet
TG02	Technology General Information
T001	Anne J. Kellogg ES First Floor Technology Demo Plan
T011	Dudley STEM ES Technology Demo Plan
T021	Fremont ES Lower Level Technology Demo Plan
T022	Fremont ES First Floor Technology Demo Plan
T031	LaMore Park ES Technology Demo Plan
T041	Post-Franklin ES Technology Demo Plan
T051	Valley View ES Technology Demo Plan
T061	Verona ES Lower Level Technology Demo Plan
T062	Verona ES First Floor Technology Demo Plan
T071	Northwestern MS First Floor Technology Demo Plan
T081	Springfield MS First Floor Technology Demo Plan
T091	BCAMSC First Floor Technology Demo Plan
T092	BCAMSC Second Floor Technology Demo Plan
T093	BCAMSC Third Floor Technology Demo Plan
T0102	BC Central HS First Floor Technology Demo Plan
T0103	BC Central HS Second Floor Technology Demo Plan
T0104	BC Central HS Third Floor Technology Demo Plan
T0111	W. K. Kellogg HS Lower Level Technology Demo Plan
T0112	W. K. Kellogg HS First Floor Technology Demo Plan
T0113	W. K. Kellogg HS Second Floor Technology Demo Plan
T0114	W. K. Kellogg HS Third Floor Technology Demo Plan
T0131	BC Transportation Building Technology Demo Plan
T0162	BC Central Fieldhouse First Floor Technology Demo Plan
T0163	BC Central Fieldhouse Second Floor Technology Demo Plan
T0171	CW Post Stadium Home Side Technology Demo Plan
T0172	CW Post Stadium Away Side Technology Demo Plan
T0181	Cereal City Science Technology Demo Plan
T101	Anne J. Kellogg ES First Floor Technology Plan
T102	Anne J. Kellogg ES Second Floor Technology Plan
T111	Dudley STEM ES Technology Plan
T121	Fremont ES Lower Level Technology Plan
T122	Fremont ES First Floor Technology Plan
T123	Fremont ES Second Floor Technology Plan
T131	LaMore Park ES Technology Plan
T141	Post-Franklin ES Technology Plan
T151	Valley View ES Technology Plan
T161	Verona ES Lower Level Technology Plan
T162	Verona ES First Floor Technology Plan
T163	Verona ES Second Floor Technology Plan
T171	Northwestern MS First Floor Technology Plan
T181	Springfield MS First Floor Technology Plan
T191	BCAMSC First Floor Technology Plan
T192	BCAMSC Second Floor Technology Plan
T193	BCAMSC Third Floor Technology Plan
T1101	BC Central HS Lower Level Technology Plan
T1102	BC Central HS First Floor Technology Plan
T1103	BC Central HS Second Floor Technology Plan
T1104	BC Central HS Third Floor Technology Plan
T1111	W. K. Kellogg HS Lower Level Technology Plan
T1112	W. K. Kellogg HS First Floor Technology Plan
T1113	W. K. Kellogg HS Second Floor Technology Plan
T1114	W. K. Kellogg HS Third Floor Technology Plan
T1121	BC Admin Building First Floor Technology Plan
T1122	BC Admin Building Second Floor Technology Plan
T1123	BC Admin Building Third Floor Technology Plan
T1131	BC Transportation Building Technology Plan
T1142	Outdoor Edu. Center First Floor Technology Plan
T1151	Miller Stone Adult Edu. Lower Level Technology Plan
T1152	Miller Stone Adult Edu. First Floor Technology Plan
T1153	Miller Stone Adult Edu. Second Floor Technology Plan
T1161	BC Central Fieldhouse Lower Level Technology Plan
T1162	BC Central Fieldhouse First Floor Technology Plan
T1163	BC Central Fieldhouse Second Floor Technology Plan
T1165	BC Central Fieldhouse Third Floor Technology Plan
T1171	CW Post Stadium Home Side Technology Plan
T1172	CW Post Stadium Away Side Technology Plan
T1181	Cereal City Science Technology Plan
T401	Security Systems General Information
T402	Security System Cabling Support Information
T403	Access Control System Risers
T404	Camera System Risers

GENERAL NOTES	
1.	FOR DROPS INSTALLED ABOVE ACCESSIBLE CEILING, PROVIDE MAINTENANCE LOOP AS INDICATED ON TECHNOLOGY SYMBOL LEGEND. CABLE SHALL BE NEATLY COILED IN AN "S" LOOP AND SECURED TO BUILDING STRUCTURE AT DROP LOCATION FOR EASY RELOCATION.
2.	LOAD THE LATEST AVAILABLE STABLE FIRMWARE FOR ALL DEVICES WHEN THEY ARE SUPPLIED FOR THIS PROJECT.
3.	IN THE EVENT OF A DISCREPANCY BETWEEN TECHNOLOGY PLANS AND OTHER DISCIPLINES, CONTRACTOR SHALL SUBMIT AN RFI FOR CLARIFICATION.
4.	LABEL CABLES ACCORDING TO "CABLING LABEL DETAIL" ON T4101.



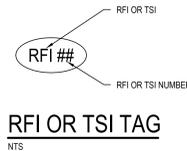
NOTES:
1. USED ON TECHNOLOGY FLOOR PLANS TO REFERENCE A DETAIL, ELEVATION, OR SYSTEM OF COMPONENTS ELEVATION ON ANOTHER SHEET.



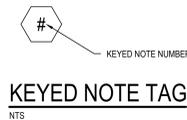
NOTES:
1. LOCATED NEXT TO A REVISION CLOUD FOR ANY REVISIONS AFTER BIDS HAVE BEEN RELEASED, BEFORE CONTRACT HAS BEEN AWARDED.



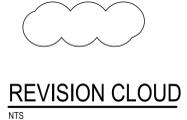
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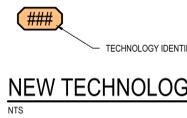
NOTES:
1. RFI (REQUEST FOR INFORMATION) INDICATES A REVISION AND CORRESPONDING NOTE THAT DOES NOT AFFECT BUDGET THAT WAS NOT INITIATED BY TECHNOLOGY CONTRACTOR.
2. TSI (TECHNOLOGY INFORMATION) TAG INDICATES A REVISION AND CORRESPONDING NOTE THAT DOES NOT AFFECT BUDGET.



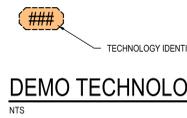
NOTES:
1. REFERENCE TO CORRESPONDING NOTES ON SAME SHEET THAT HAVE MORE INFORMATION RELATED TO SYMBOL.



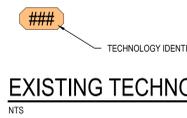
NOTES:
1. DRAWN AROUND REVISION AREA RELATED TO ANY ADDENDUM OR BULLETIN.



NOTES:
1. HEAVY SOLID LINE REPRESENTS NEW TECHNOLOGY. COMPLETE INSTALLATION OFTEN REQUIRES ROUGH-IN, CABLING, FACEPLATE AND/OR DEVICE. SEE DRAWINGS FOR MORE DETAIL.



NOTES:
1. HEAVY DASHED LINE REPRESENTS EXISTING TECHNOLOGY TO BE REMOVED. COULD REQUIRE DEMOLITION OF ROUGH-IN, CABLING, FACEPLATE AND/OR DEVICE. DEVICE MAY NEED TO BE SALVAGED FOR REINSTALLATION OR TURNED OVER TO OWNER. SEE DRAWINGS FOR MORE DETAIL.



NOTES:
1. THIN SOLID LINE REPRESENTS EXISTING TECHNOLOGY TO REMAIN. NO WORK REQUIRED AT SPECIFIC LOCATION, BUT COULD REQUIRE EXISTING CABLING AND/OR DEVICES TO BE MAINTAINED DURING CONSTRUCTION TO SUPPORT SPECIFIC DEVICE. SEE DRAWINGS FOR MORE DETAIL.



DEMO GENERAL NOTES

1. DEMO ALL ABANDONED CABLING BACK TO SOURCE.
2. DEMO ALL EXISTING CAMERAS, ENCLOSURES, AND MOUNTING HARDWARE.
3. CONTRACTOR SHALL SUBMIT AN RFI IF THERE ARE ANY DEMOLITION DISCREPANCIES.
4. DEMO ALL EXISTING ACCESS CONTROL ENCLOSURES, INCLUDING POWER SUPPLIES, BATTERIES, AND ASSOCIATED HARDWARE. PULL BACK CABLING FOR REINSTALLATION IN NEW ENCLOSURES.
5. DEMO ALL EXISTING CARD READERS, EXCEPT FOR READERS (HID SINGO) AT NORTHWESTERN ACADEMY.
6. DEMOED EQUIPMENT, IN WHOLE OR IN PART, SHALL BE PRESENTED TO OWNER FOR FIRST RIGHT OF REFUSAL BEFORE REMOVAL FROM SITE.
7. DEMO ALL EXISTING ENTRY DOOR INTERCOMS AND ASSOCIATED HARDWARE. IF EXISTING CABLING CANNOT BE REUSED FOR NEW VIDEO INTERCOM, DEMO TO SOURCE.
8. USE EXISTING CABLING SURVEY DOCUMENTATION TO IDENTIFY "FAILED" CABLES. DEMO "FAILED" CABLING TO SOURCE, RE-CABLE, RE-TERMINATE, AND TEST CABLING.
9. TEST ALL PERMANENT NETWORK CABLING. DEMO ALL CABLING THAT DOES NOT MEET INDUSTRY STANDARDS, RE-CABLE, RE-TERMINATE, AND RETEST CABLING.
10. PATCH, FILL, AND REPAIR ANY UNUSED CEILING OR WALL PENETRATIONS AND ROUGH-INS. BLANK OFF ROUGH-IN BOXES WHERE APPLICABLE.

DEMO KEYED NOTES

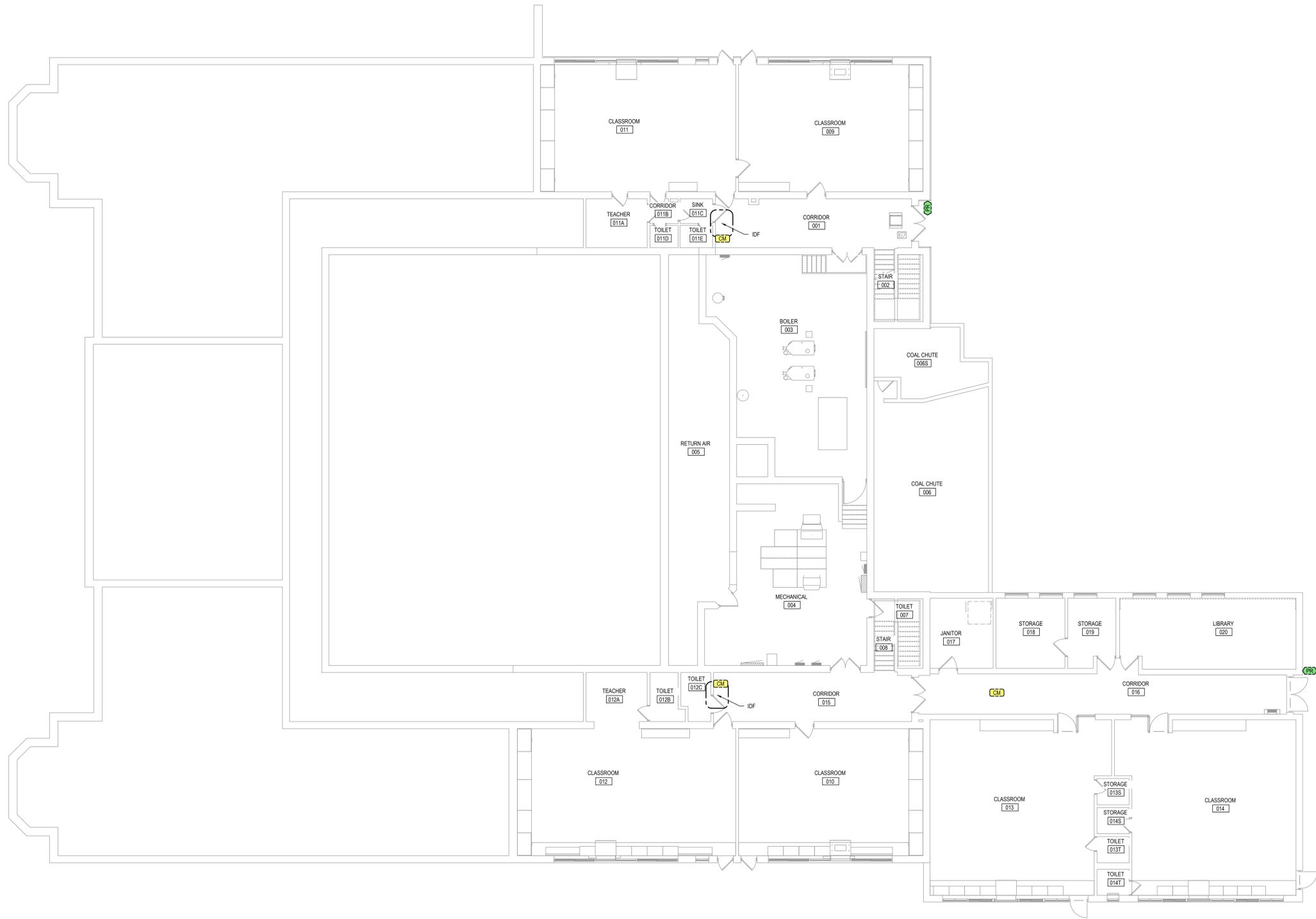
- 1 PLACEHOLDER

BATTLE CREEK PUBLIC SCHOOLS
DISTRICT SECURITY UPGRADES
 BATTLE CREEK, MI

Anne J. Kellogg ES First Floor Technology Demo Plan

ISSUE / DATE	2025-08-11 BIDS
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PROJECT NO.	BCPS2501-0101
SHEET NO.	T001





DEMO GENERAL NOTES

1. DEMO ALL ABANDONED CABLING BACK TO SOURCE.
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DEMO KEYED NOTES

1. PLACEHOLDER



BATTLE CREEK PUBLIC SCHOOLS
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Fremont ES Lower Level Technology Demo Plan

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T021



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1. PLACEHOLDER

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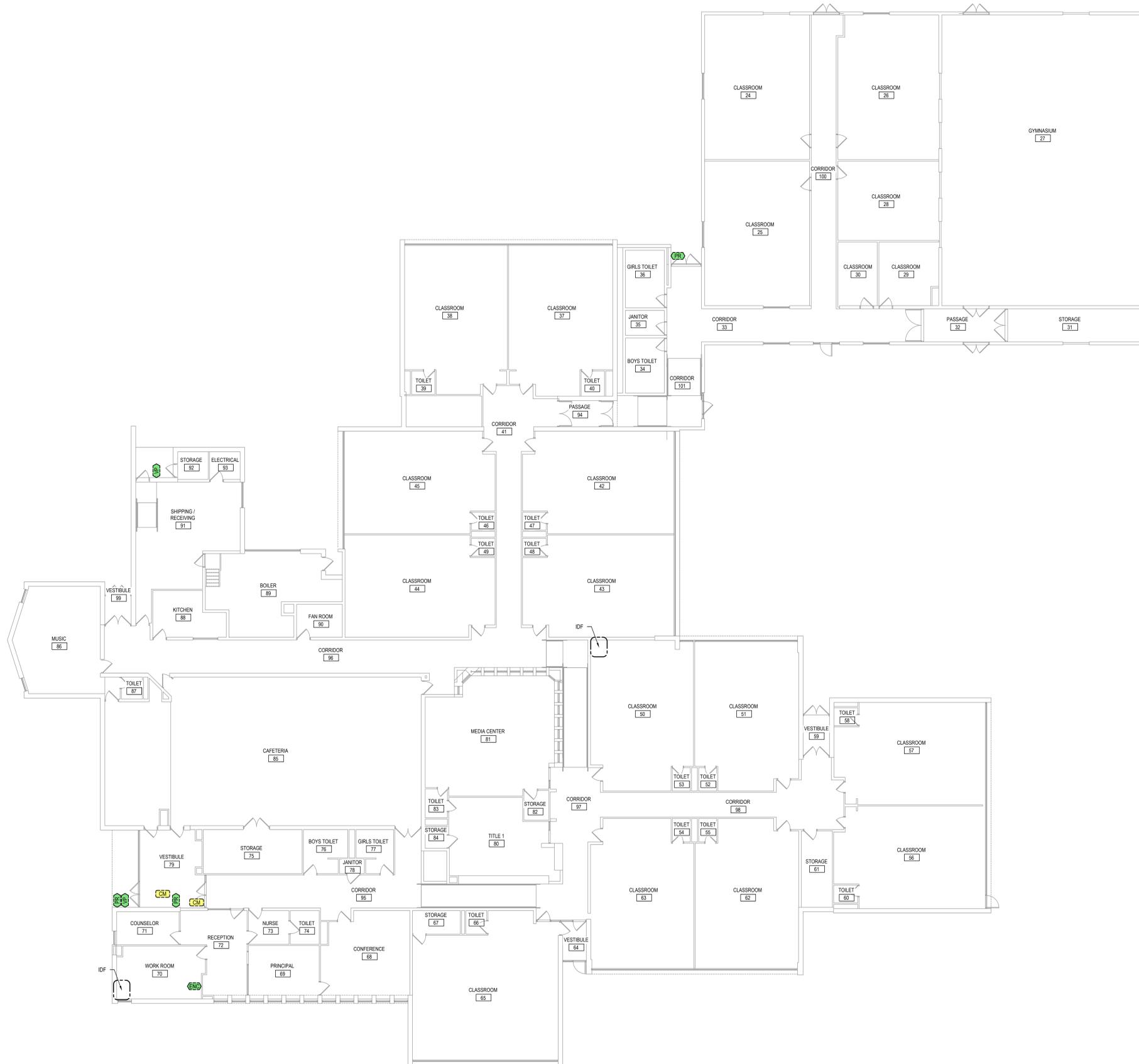
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DEMO KEYED NOTES

- 1 PLACEHOLDER

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DEMO GENERAL NOTES

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DISTRICT SECURITY UPGRADES
BATTLE CREEK, MI

Post-Franklin ES Technology Demo Plan

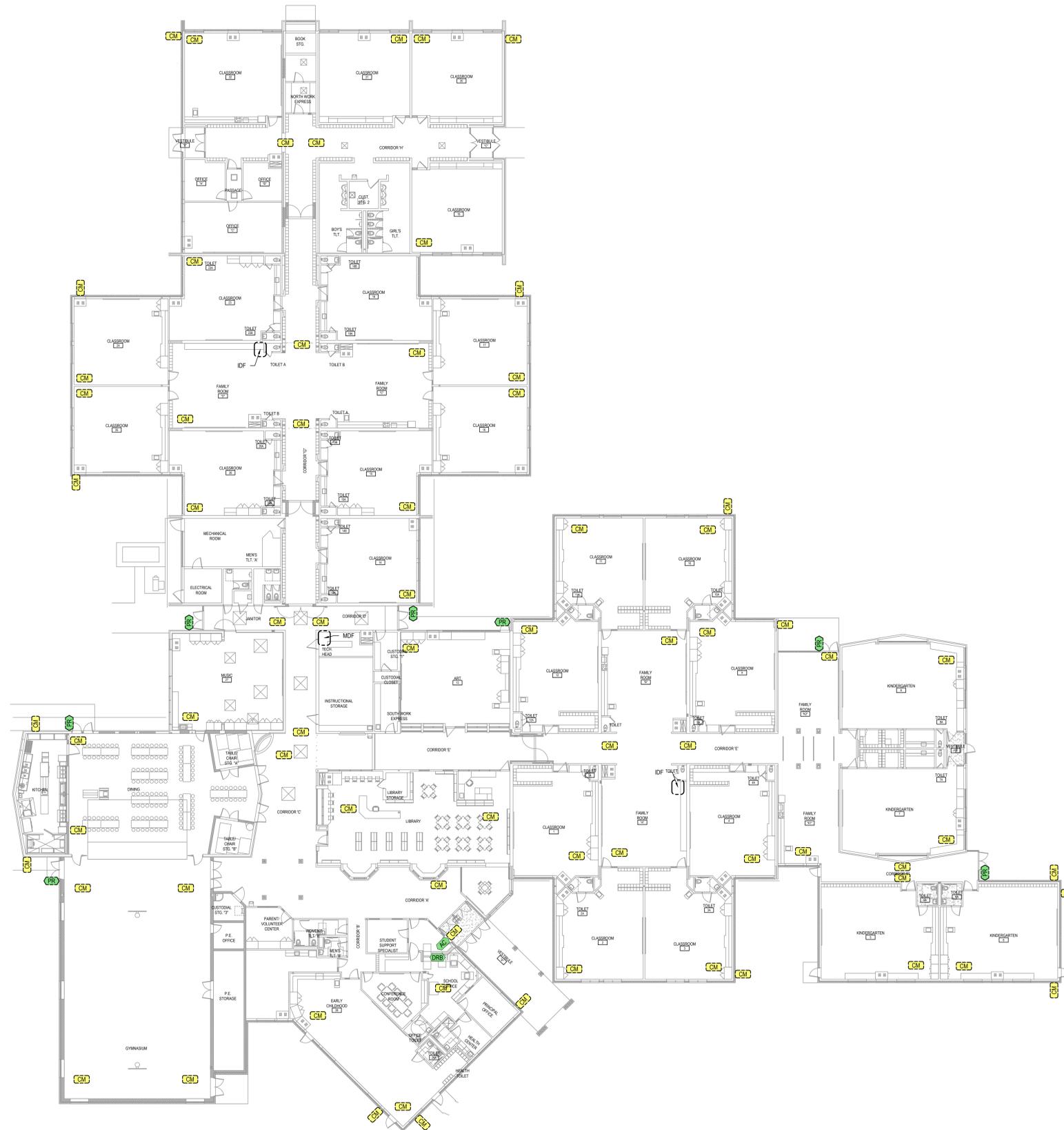
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T051



DEMO GENERAL NOTES

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DEMO KEYED NOTES

1. PLACEHOLDER



6100 NEWPORT ROAD, SUITE 225, PORTAGE, MI 49002, 269.203.2444, AETECH.DESIGN

BATTLE CREEK PUBLIC SCHOOLS
DISTRICT SECURITY UPGRADES
 BATTLE CREEK, MI

Verona ES First Floor Technology Demo Plan

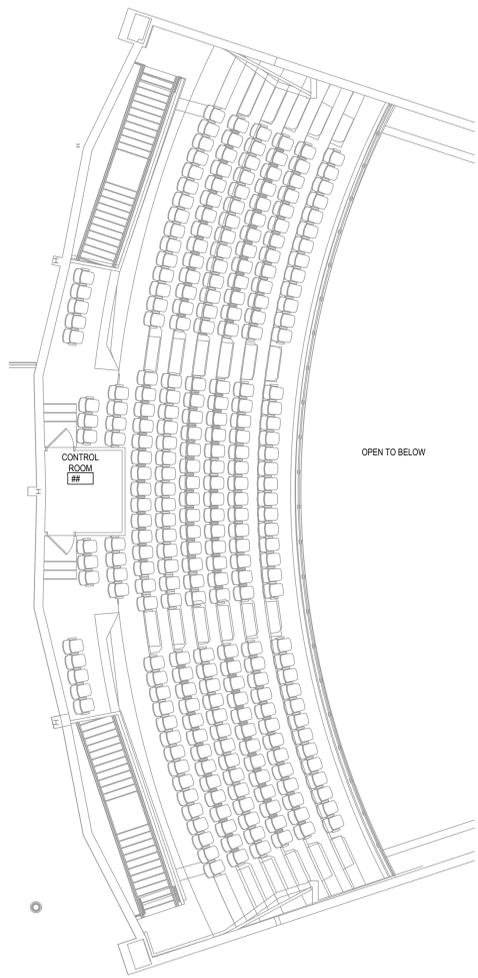
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T062

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OPEN TO BELOW

Auditorium Balcony Technology Demo Plan

1/8" = 1'-0"



DEMO GENERAL NOTES

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DEMO KEYED NOTES

- 1 PLACEHOLDER



6100 NEWPORT ROAD, SUITE 225, PORTAGE, MI 49602 269-203-2444 AETECH.DESIGN

BATTLE CREEK PUBLIC SCHOOLS
DISTRICT SECURITY UPGRADES
BATTLE CREEK, MI

Northwestern MS First Floor Technology Demo Plan

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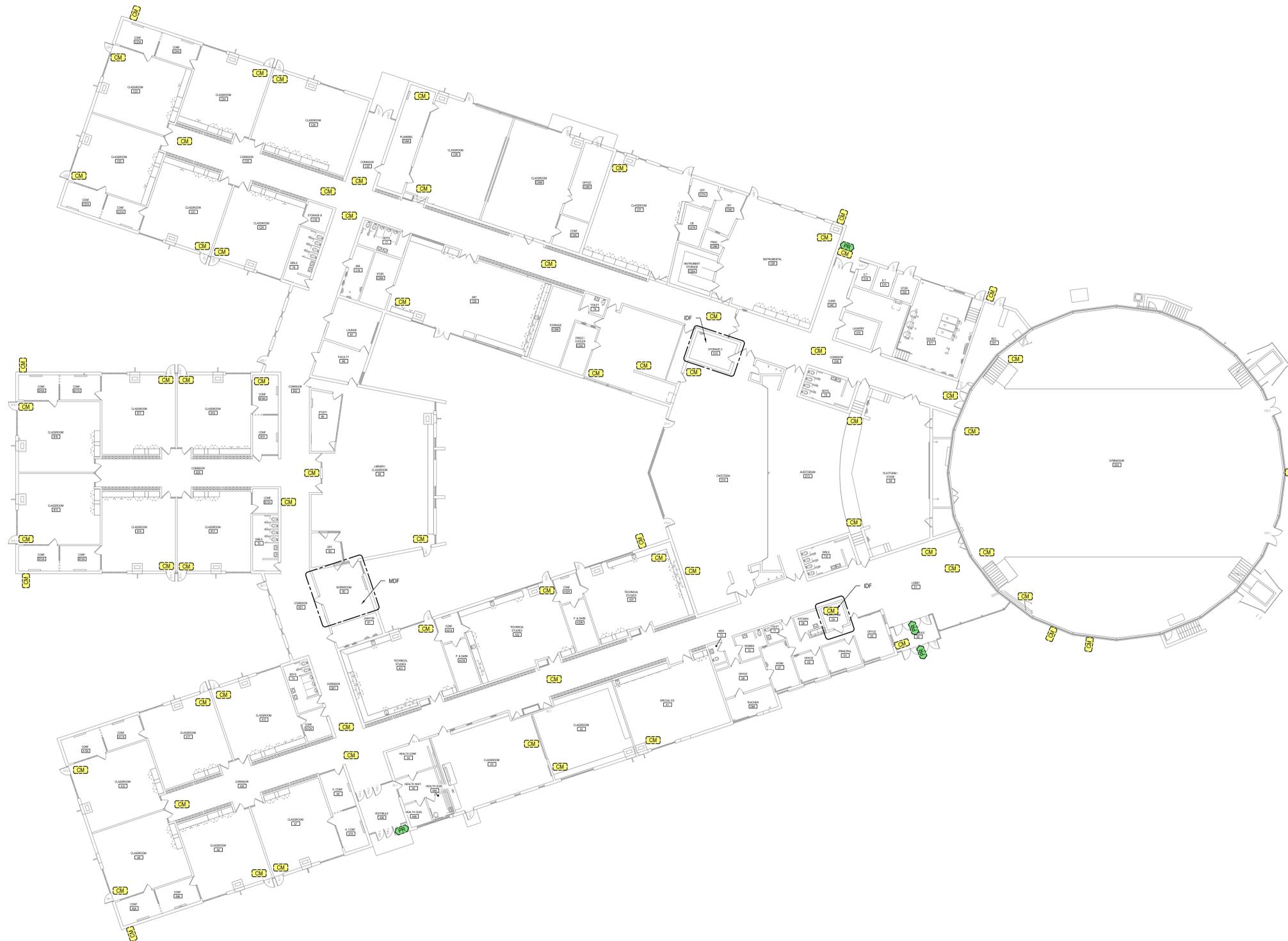
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DEMO KEYED NOTES

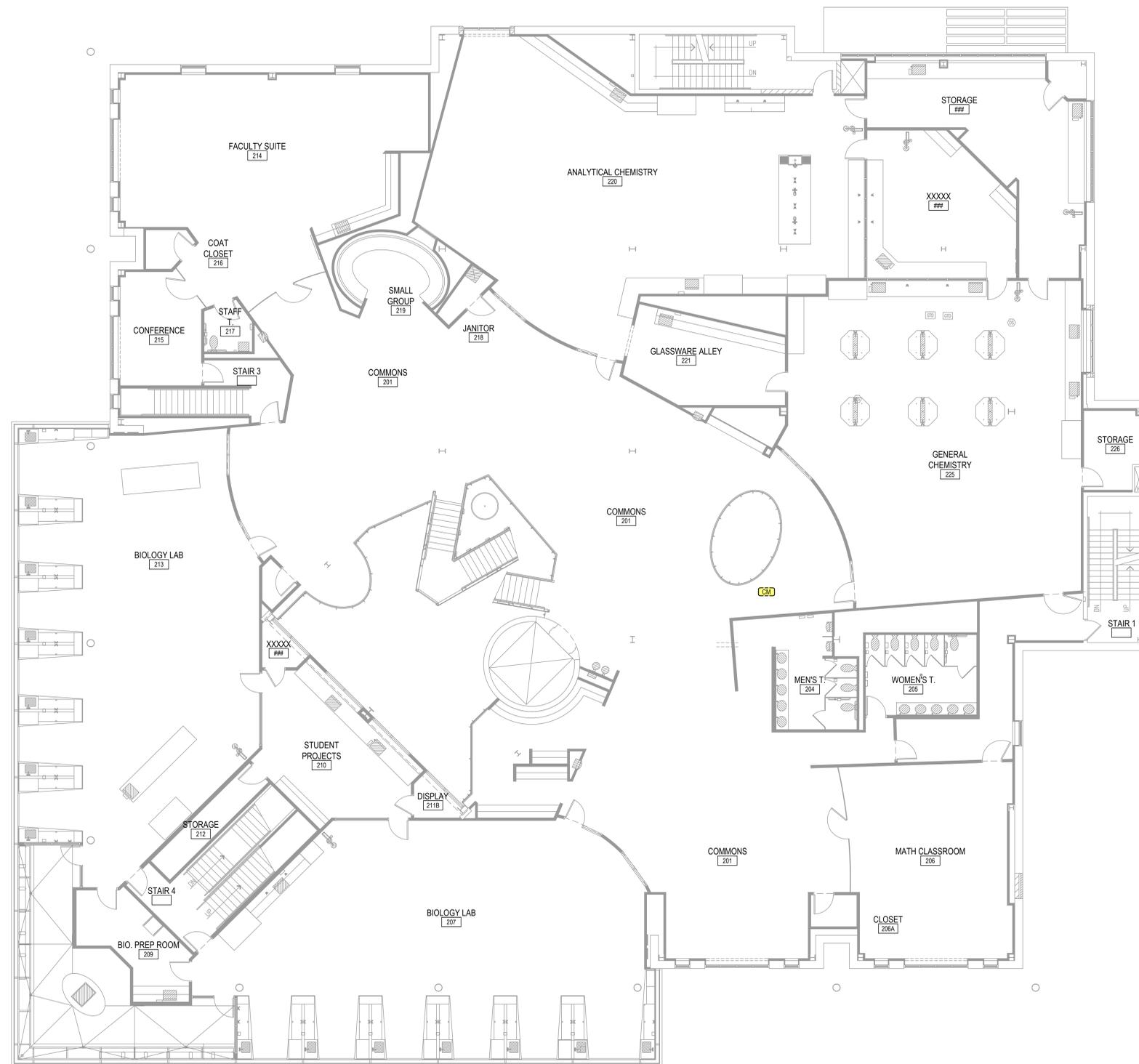
- 1 PLACEHOLDER

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SHEET NO.

T091



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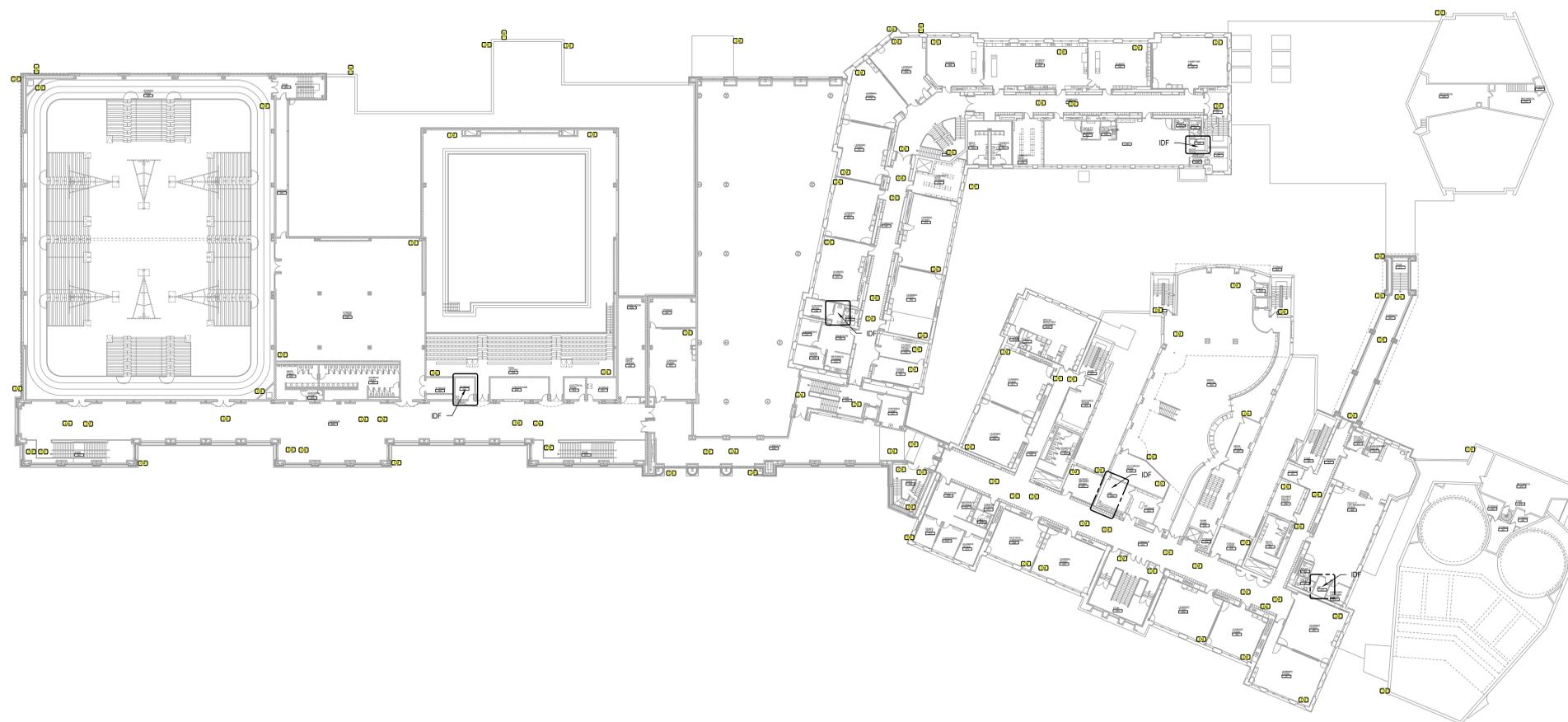


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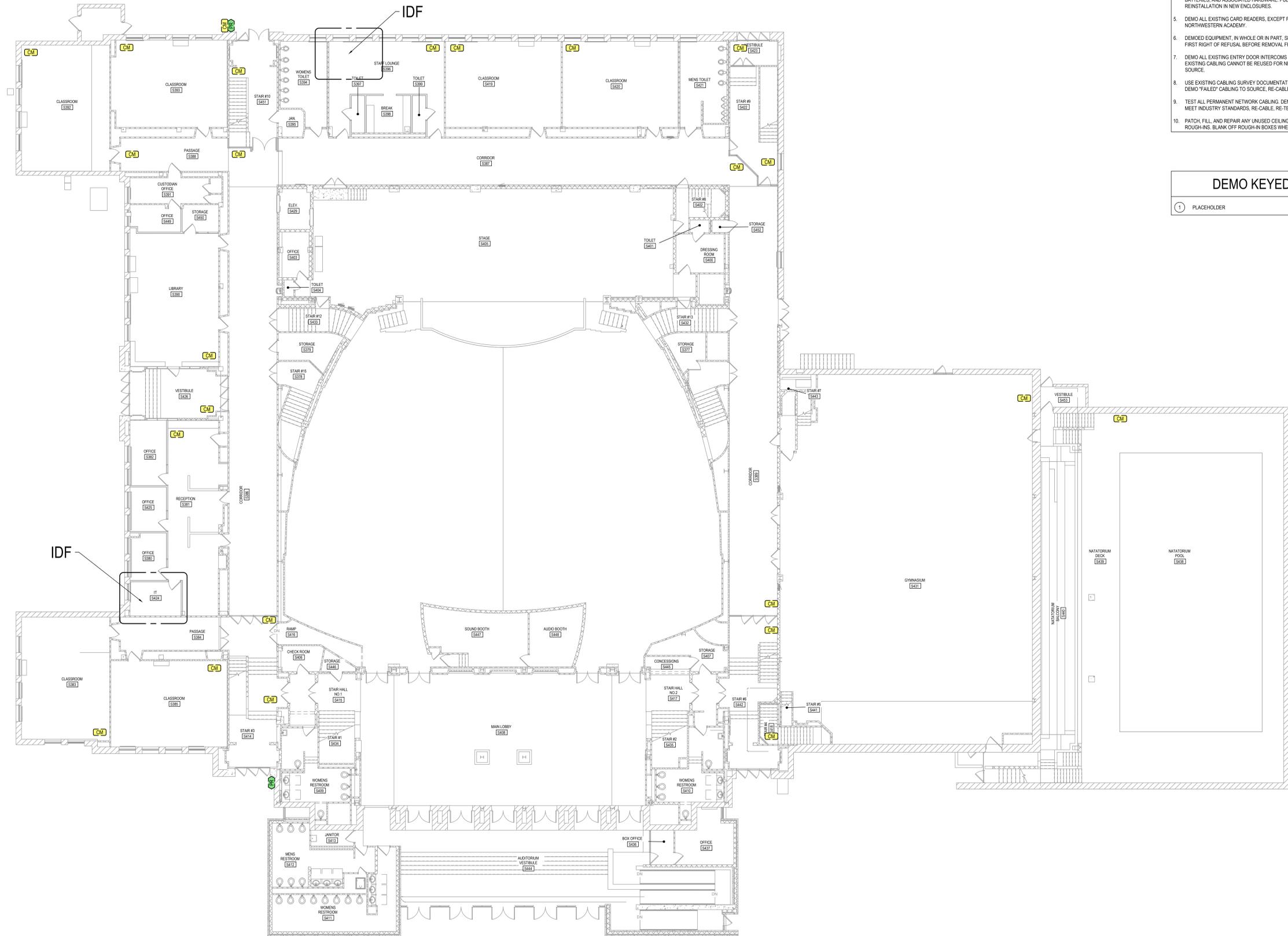
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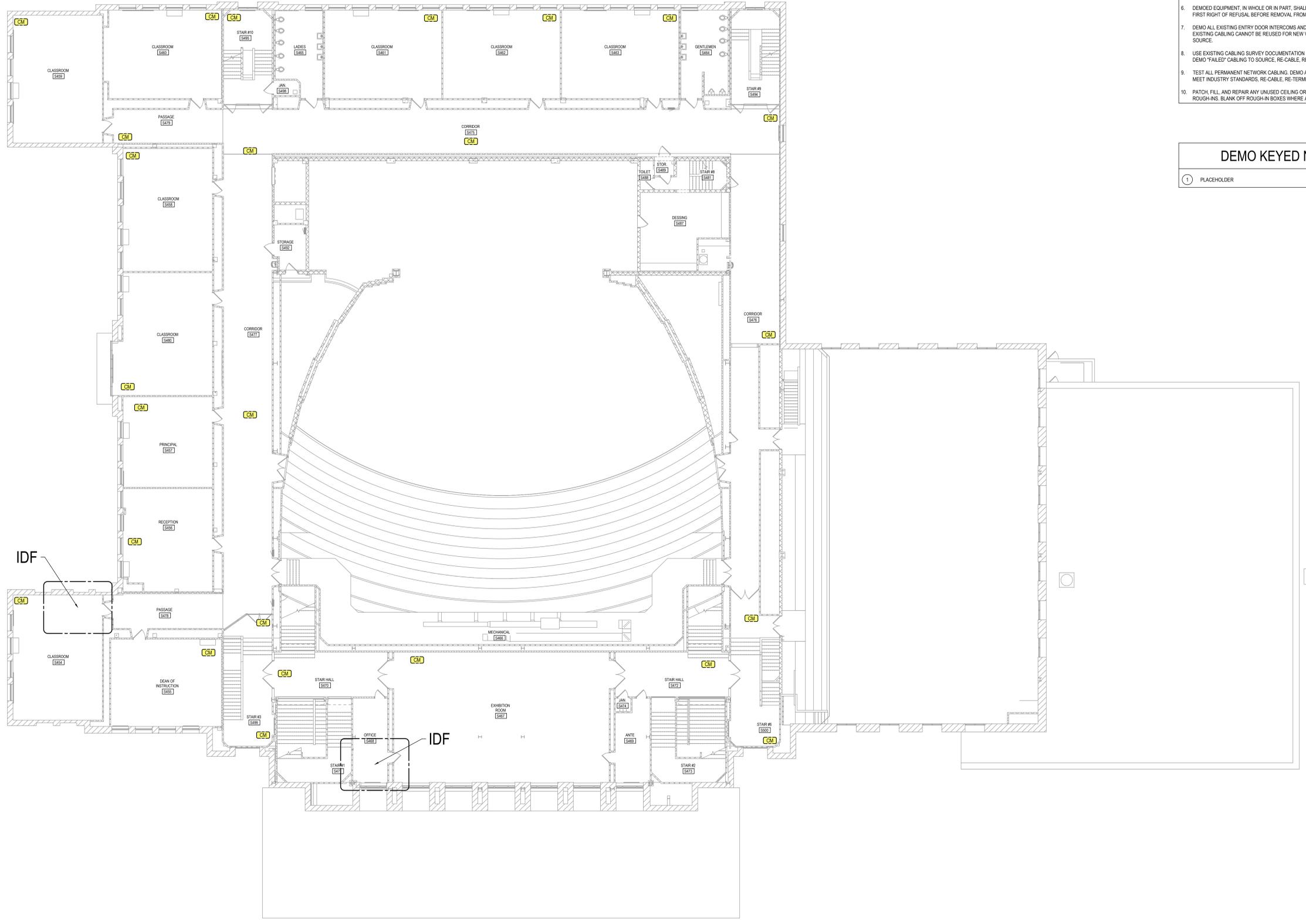
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- 1 PLACEHOLDER

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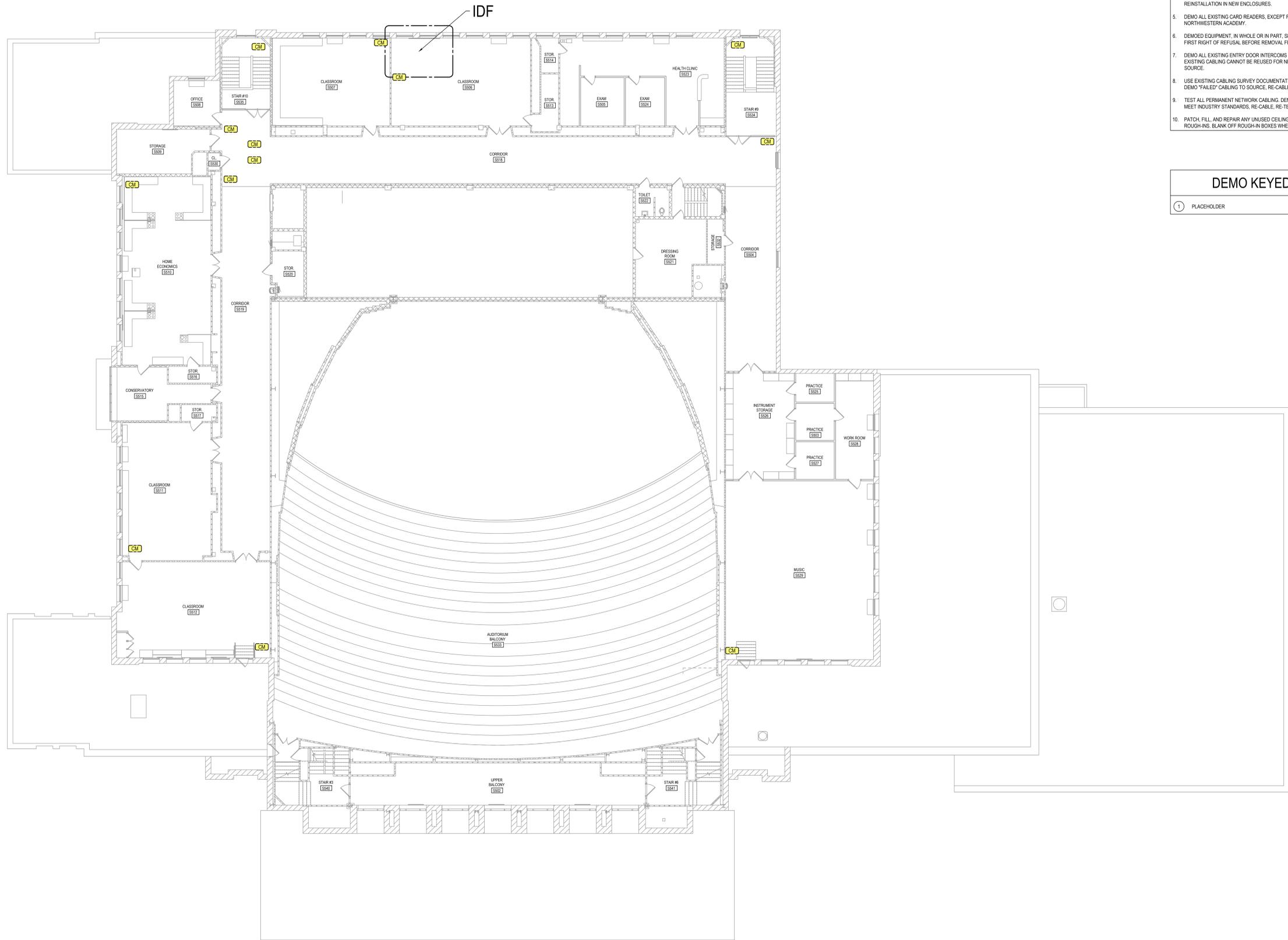
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- 1 PLACEHOLDER

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DEMO KEYED NOTES

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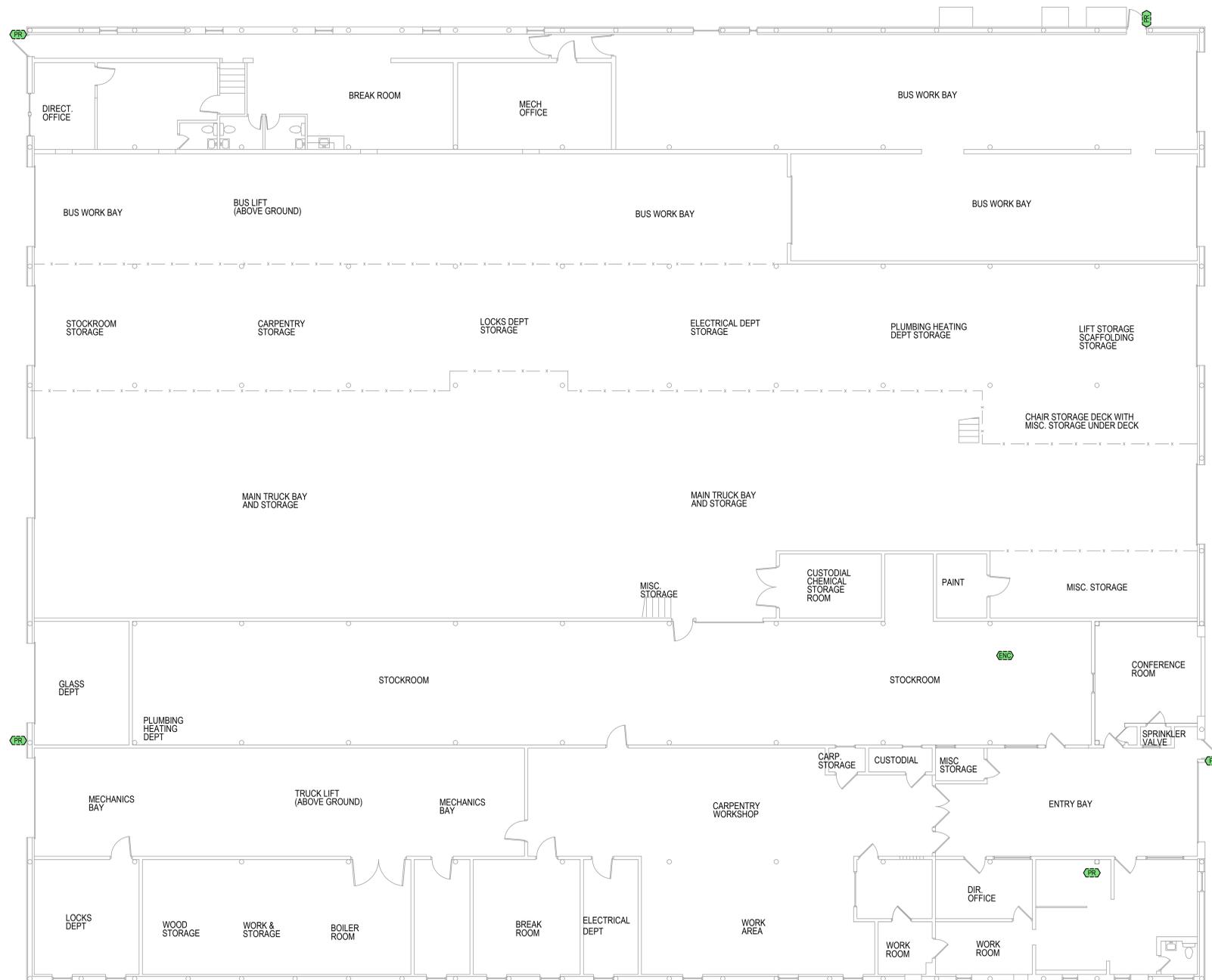
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PROJECT NO.
BCPS2501-0101

SHEET NO.

T0114



GENERAL NOTES

1. CONFIRM FINAL CAMERA VIEW AND LOCATION WITH OWNER PRIOR TO INSTALLATION.
2. CONFIRM FINAL DATA LOCATION FOR CONCEALED WEAPON DETECTION SYSTEM WITH OWNER BEFORE INSTALLATION.
3. REUSE EXISTING CABLING WHERE POSSIBLE. PROVIDE 15FT MINIMUM PATCH CORD TO RELOCATE CAMERAS AS NEEDED.
4. REUSE EXISTING PENETRATIONS, PATHWAY, AND ROUGH-INS WHERE POSSIBLE.
5. DISCONNECT ALL EXISTING ACCESS CONTROL DEVICES FROM EXISTING CONTROL BOARDS AND RECONNECT TO CORRESPONDING PORTS ON NEW CONTROL BOARDS.

KEYED NOTES

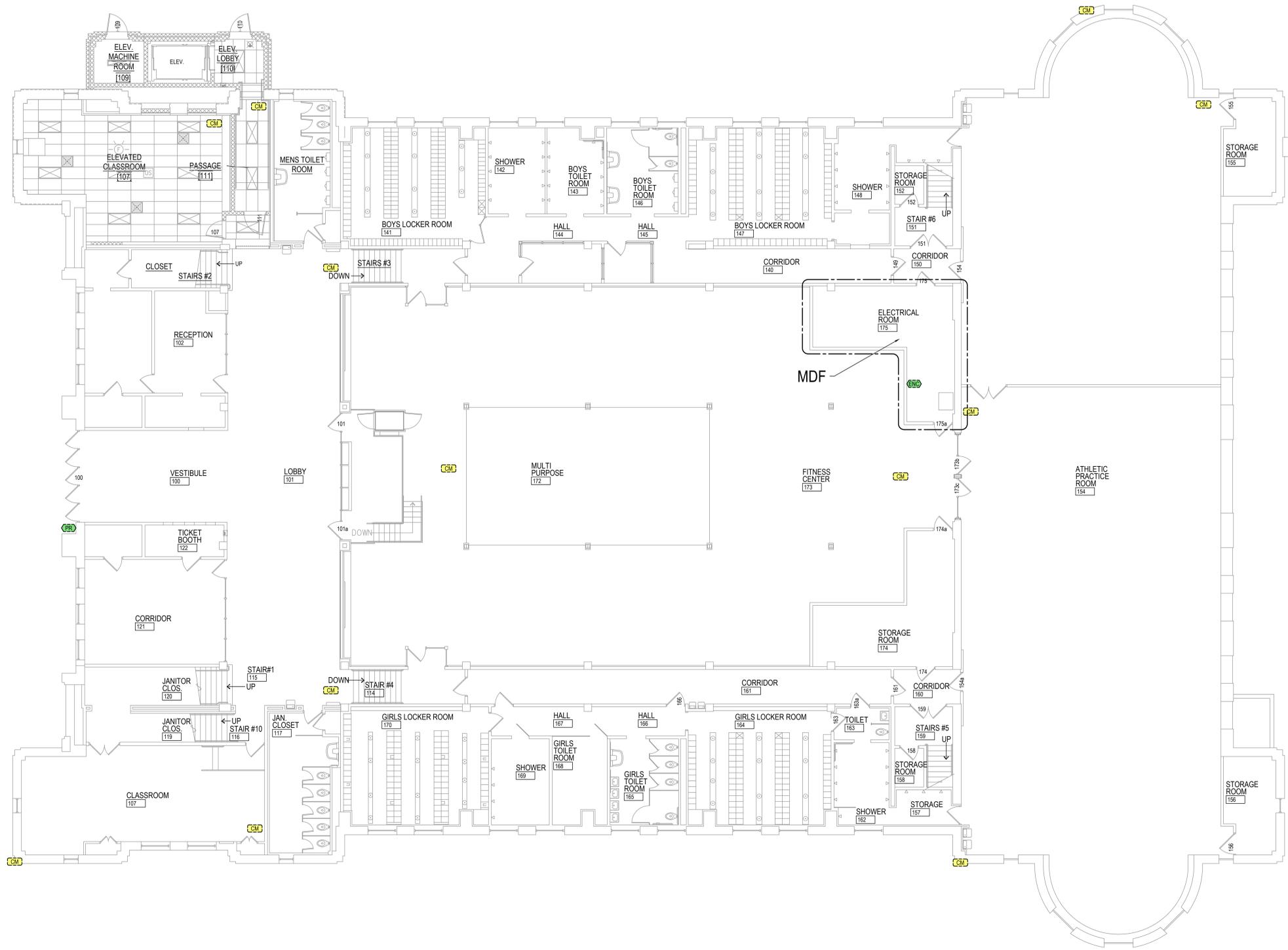
1. QUANTITY OF CAMERAS FOR AWAY BLEACHERS SUBJECT TO CHANGE BASED ON ARCHITECTURAL RENOVATION. UNIT PRICING WILL BE USED TO ADD OR REMOVE CAMERAS AS NEEDED.
2. MOUNT ON EXISTING TELEPHONE POLE FOR MONITORING DIESEL PUMP IN BUS LOT TO THE WEST.
3. POINT AT GAS PUMP TO THE SOUTHWEST.
4. CARD PROX. READER LOCATED ON RECEPTION DESK.
5. LOCATED UP IN STORAGE MEZZANINE.
6. UNIT TO BE USED AT MAIN ENTRY AND AUDITORIUM ENTRANCE.
7. UNIT TO BE SHARED BETWEEN STADIUM AND FIELDHOUSE.
8. SHARED UNIT LOCATION.
9. REFER TO FIELDHOUSE FOR UNIT.



BATTLE CREEK PUBLIC SCHOOLS
DISTRICT SECURITY UPGRADES
 BATTLE CREEK, MI

BC Transportation Building Technology Demo Plan

ISSUE / DATE	2025-08-11 BIDS
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PROJECT NO.	BCPS2501-0101
SHEET NO.	T0131



DEMO GENERAL NOTES

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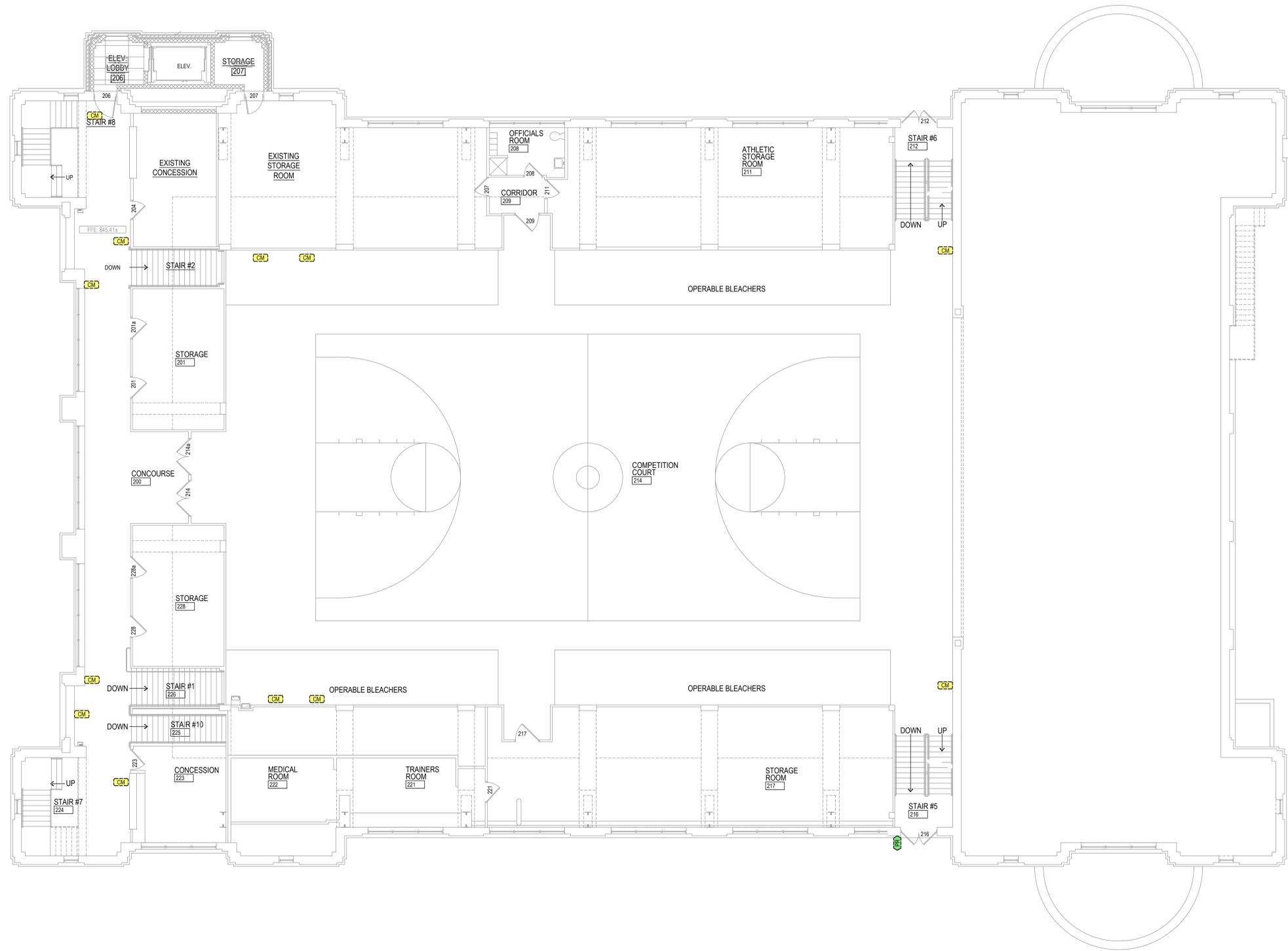
1. PLACEHOLDER



BATTLE CREEK PUBLIC SCHOOLS
 DISTRICT SECURITY UPGRADES
 BATTLE CREEK, MI

BC Central Fieldhouse First Floor Technology Demo Plan

ISSUE / DATE	2025-08-11 BIDS
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SHEET NO.	T0162



GENERAL NOTES

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4. CARD PROX. READER LOCATED ON RECEPTION DESK.
5. LOCATED UP IN STORAGE MEZZANINE.
6. UNIT TO BE USED AT MAIN ENTRY AND AUDITORIUM ENTRANCE.
7. UNIT TO BE SHARED BETWEEN STADIUM AND FIELDHOUSE.
8. SHARED UNIT LOCATION.
9. REFER TO FIELDHOUSE FOR UNIT.



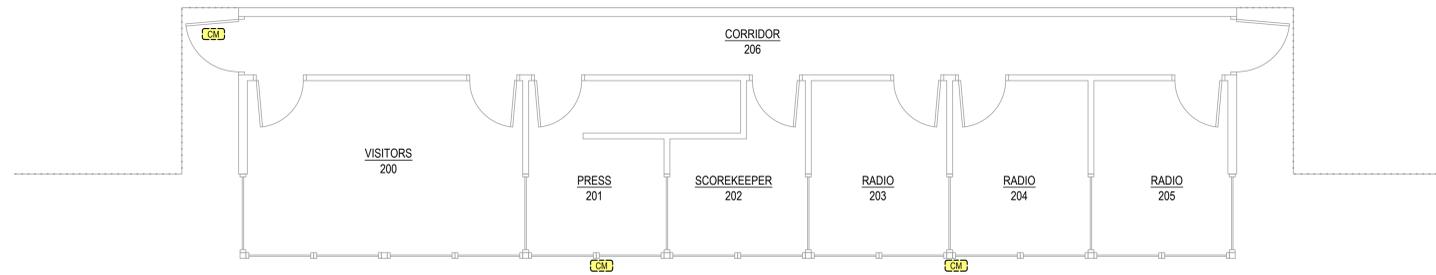
BATTLE CREEK PUBLIC SCHOOLS
DISTRICT SECURITY UPGRADES
 BATTLE CREEK, MI

BC Central Fieldhouse Second Floor Technology Demo Plan

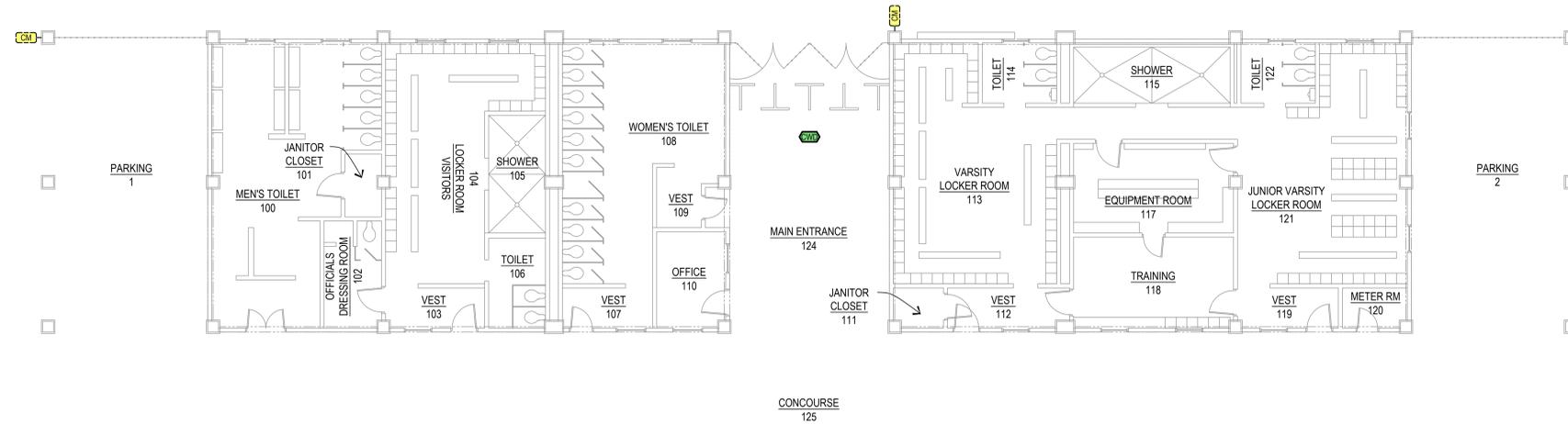
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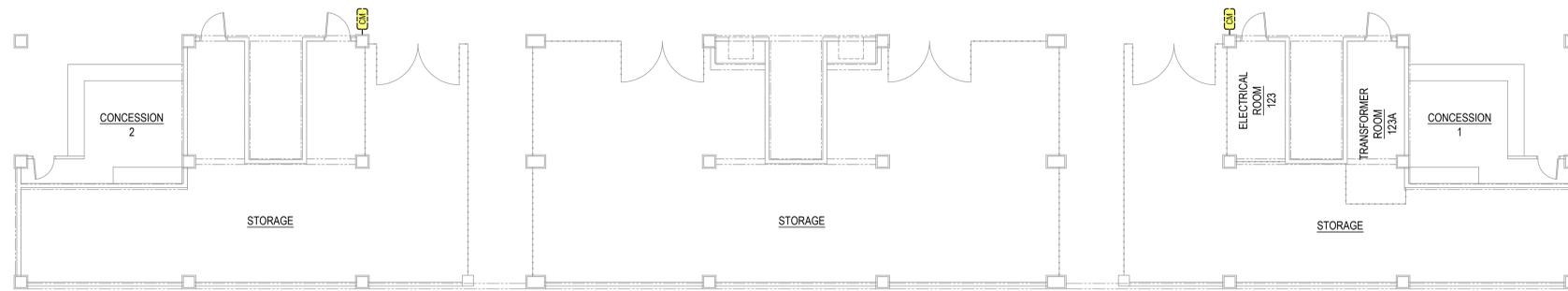
SHEET NO.
T0163



Press Box Lower Level
1/4" = 1'-0"



Under Home Bleachers
1/4" = 1'-0"



DEMO GENERAL NOTES

1. DEMO ALL ABANDONED CABLING BACK TO SOURCE.
2. DEMO ALL EXISTING CAMERAS, ENCLOSURES, AND MOUNTING HARDWARE.
3. CONTRACTOR SHALL SUBMIT AN RFI IF THERE ARE ANY DEMOLITION DISCREPANCIES.
4. DEMO ALL EXISTING ACCESS CONTROL ENCLOSURES, INCLUDING POWER SUPPLIES, BATTERIES, AND ASSOCIATED HARDWARE. PULL BACK CABLING FOR REINSTALLATION IN NEW ENCLOSURES.
5. DEMO ALL EXISTING CARD READERS, EXCEPT FOR READERS (HID SINGO) AT NORTHWESTERN ACADEMY.
6. DEMOED EQUIPMENT, IN WHOLE OR IN PART, SHALL BE PRESENTED TO OWNER FOR FIRST RIGHT OF REFUSAL BEFORE REMOVAL FROM SITE.
7. DEMO ALL EXISTING ENTRY DOOR INTERCOMS AND ASSOCIATED HARDWARE. IF EXISTING CABLING CANNOT BE REUSED FOR NEW VIDEO INTERCOM, DEMO TO SOURCE.
8. USE EXISTING CABLING SURVEY DOCUMENTATION TO IDENTIFY "FAILED" CABLES. DEMO "FAILED" CABLING TO SOURCE, RE-CABLE, RE-TERMINATE, AND TEST CABLING.
9. TEST ALL PERMANENT NETWORK CABLING. DEMO ALL CABLING THAT DOES NOT MEET INDUSTRY STANDARDS, RE-CABLE, RE-TERMINATE, AND RETEST CABLING.
10. PATCH, FILL, AND REPAIR ANY UNUSED CEILING OR WALL PENETRATIONS AND ROUGH-INS. BLANK OFF ROUGH-IN BOXES WHERE APPLICABLE.

DEMO KEYED NOTES

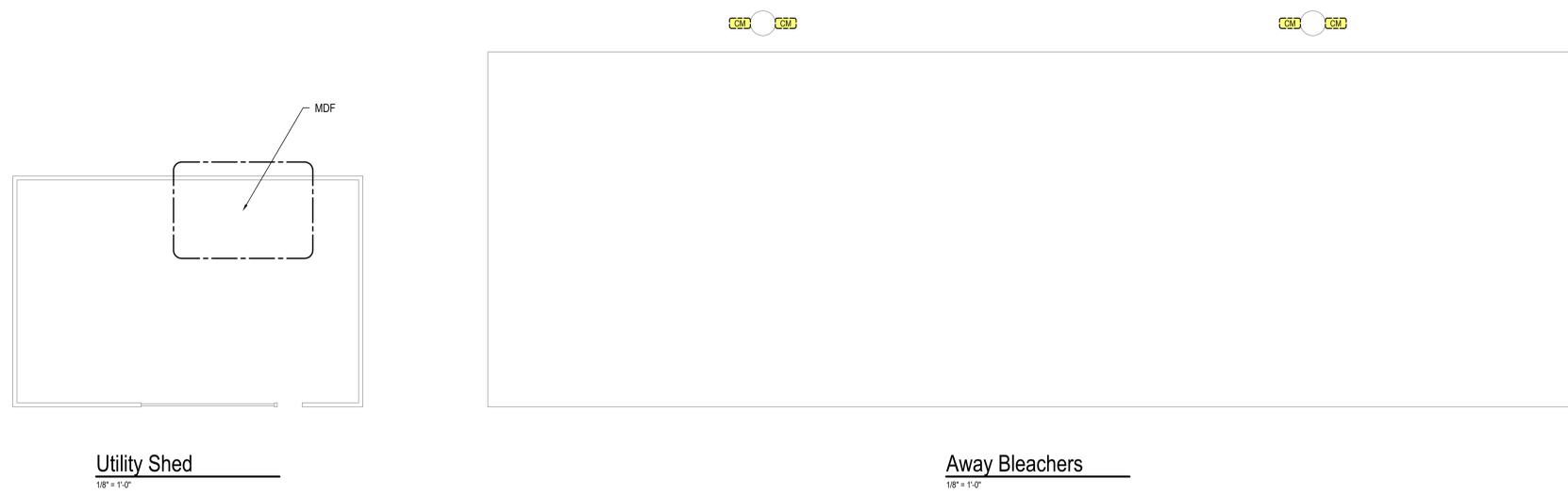
1. PLACEHOLDER

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DEMO KEYED NOTES

1. PLACEHOLDER



Utility Shed

1/8" = 1'-0"

Away Bleachers

1/8" = 1'-0"

BATTLE CREEK PUBLIC SCHOOLS
DISTRICT SECURITY UPGRADES
 BATTLE CREEK, MI

CW Post Stadium Away Side Technology Demo Plan

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T0172



DEMO GENERAL NOTES

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DEMO KEYED NOTES

1. PLACEHOLDER



BATTLE CREEK PUBLIC SCHOOLS
DISTRICT SECURITY UPGRADES
 BATTLE CREEK, MI
 Cereal City Science Technology Demo Plan

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GENERAL NOTES

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BATTLE CREEK PUBLIC SCHOOLS
DISTRICT SECURITY UPGRADES
 BATTLE CREEK, MI

Anne J. Kellogg ES First Floor Technology Plan

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T101

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BATTLE CREEK PUBLIC SCHOOLS
DISTRICT SECURITY UPGRADES
 BATTLE CREEK, MI

Anne J. Kellogg ES Second Floor Technology Plan

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SHEET NO.	T102



GENERAL NOTES

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KEYED NOTES

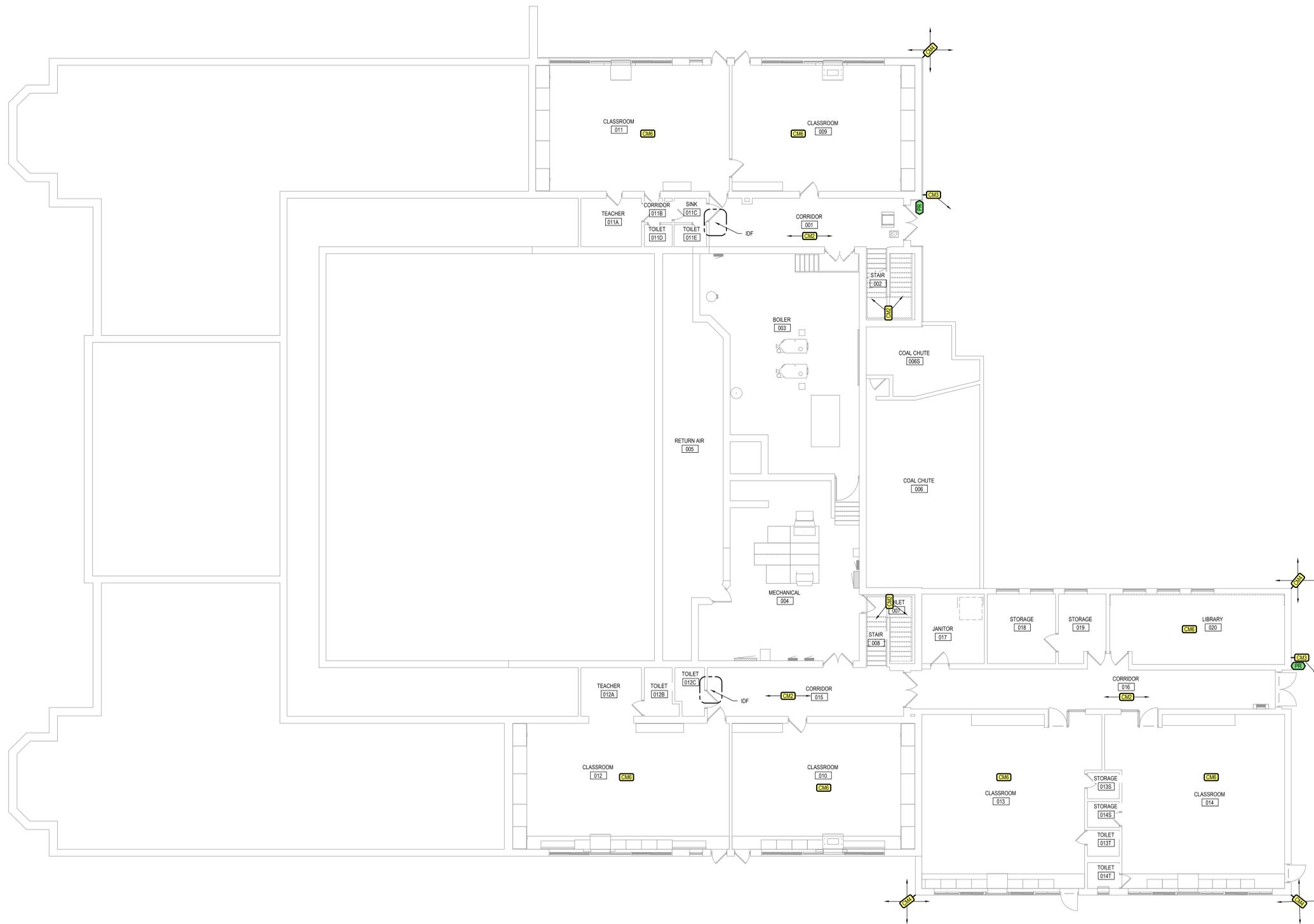
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Dudley STEM ES Technology Plan
1/8" = 1'-0"

BATTLE CREEK PUBLIC SCHOOLS
DISTRICT SECURITY UPGRADES
BATTLE CREEK, MI
Dudley STEM ES Technology Plan

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SHEET NO.	T111





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BATTLE CREEK PUBLIC SCHOOLS
DISTRICT SECURITY UPGRADES
 BATTLE CREEK, MI

Fremont ES Lower Level Technology Plan

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T121



GENERAL NOTES

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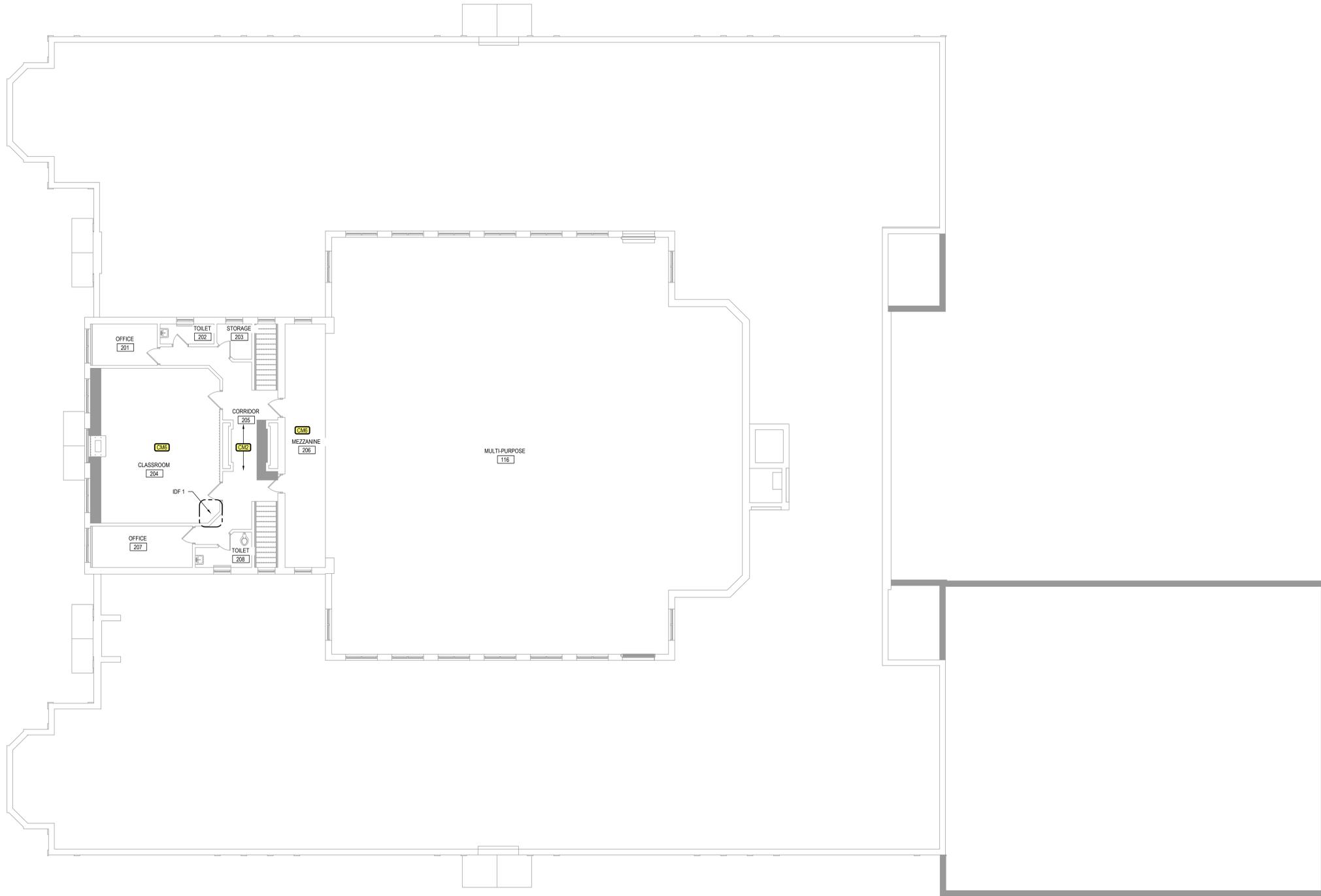
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BATTLE CREEK PUBLIC SCHOOLS
DISTRICT SECURITY UPGRADES
 BATTLE CREEK, MI
 Fremont ES First Floor Technology Plan

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SHEET NO.	T122



GENERAL NOTES

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BATTLE CREEK PUBLIC SCHOOLS
DISTRICT SECURITY UPGRADES
 BATTLE CREEK, MI

Fremont ES Second Floor Technology Plan

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T123

Fremont ES Second Floor Technology Plan
 1/8" = 1'-0"



GENERAL NOTES

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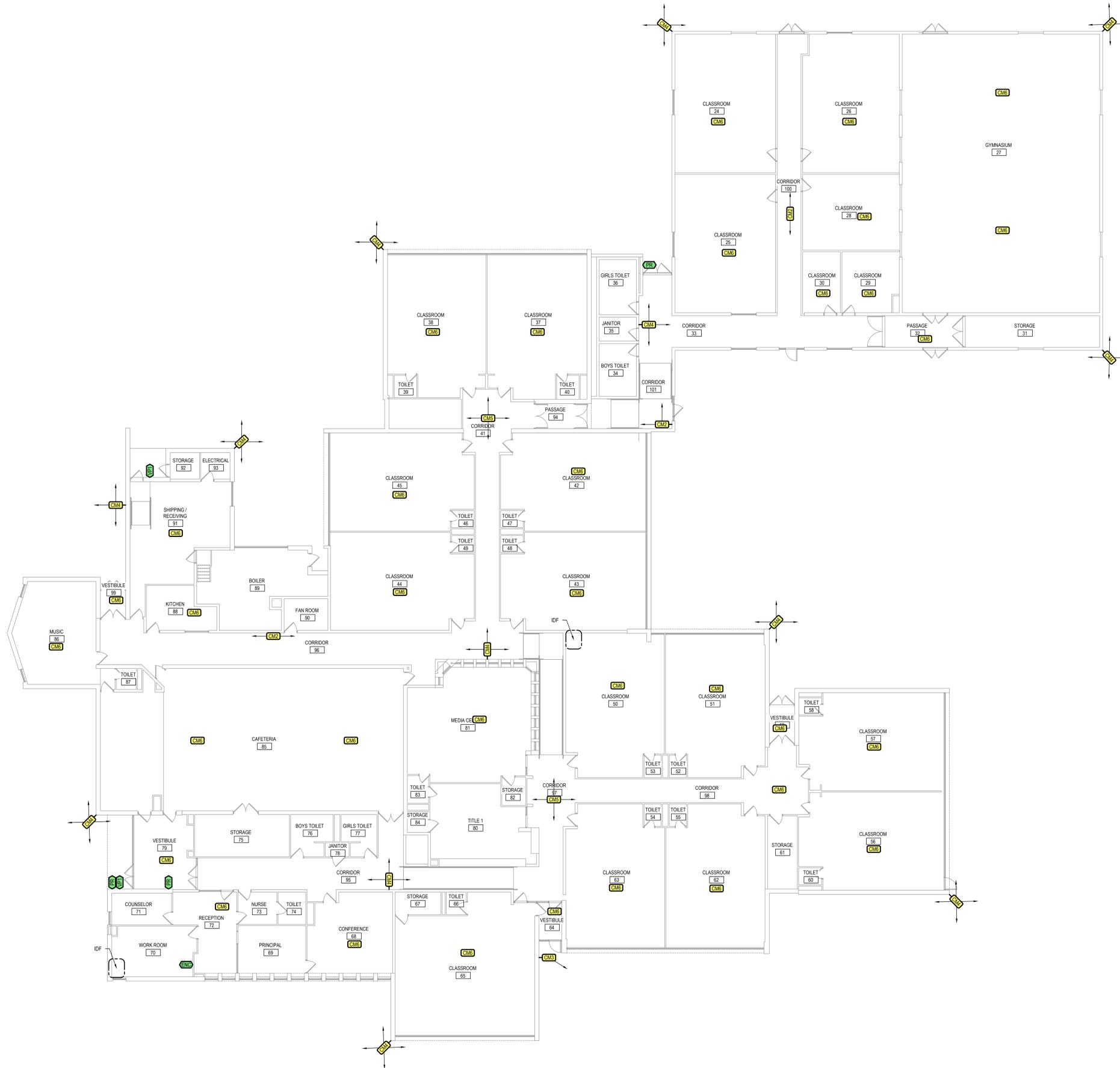
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BATTLE CREEK PUBLIC SCHOOLS
DISTRICT SECURITY UPGRADES
BATTLE CREEK, MI
LaMora Park ES Technology Plan

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GENERAL NOTES

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BATTLE CREEK PUBLIC SCHOOLS
DISTRICT SECURITY UPGRADES
 BATTLE CREEK, MI
 Post-Franklin ES Technology Plan



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GENERAL NOTES

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Verona ES Lower Level Technology Plan
1/8" = 1'-0"

BATTLE CREEK PUBLIC SCHOOLS
DISTRICT SECURITY UPGRADES
BATTLE CREEK, MI
Verona ES Lower Level Technology Plan

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T161



GENERAL NOTES

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BATTLE CREEK PUBLIC SCHOOLS
DISTRICT SECURITY UPGRADES
 BATTLE CREEK, MI
 Verona ES First Floor Technology Plan

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Verona ES First Floor Technology Plan
 1/8" = 1'-0"



GENERAL NOTES

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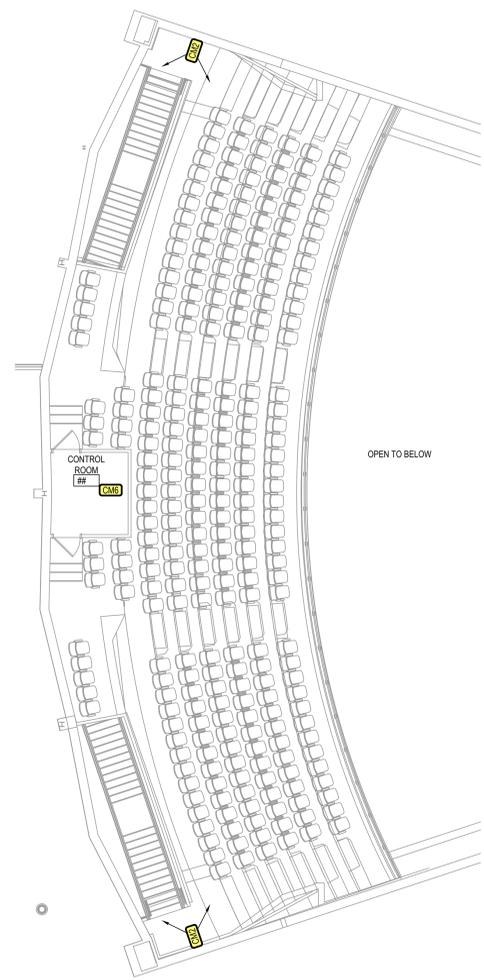
BATTLE CREEK PUBLIC SCHOOLS
DISTRICT SECURITY UPGRADES
 BATTLE CREEK, MI
 Verona ES Second Floor Technology Plan

ISSUE / DATE	2025-08-11 BIDS

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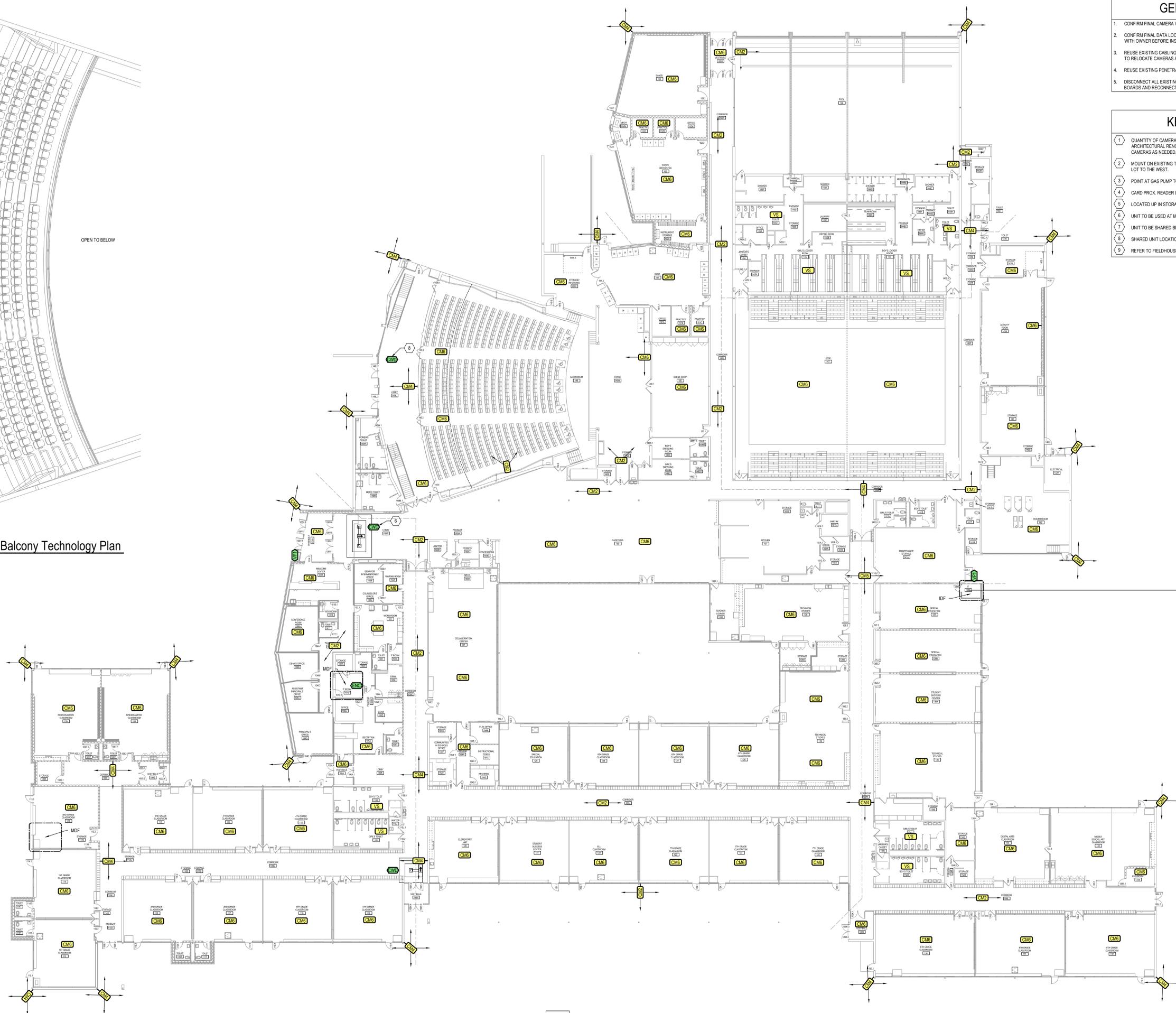
SHEET NO.
T163

Verona ES Second Floor Technology Plan
 1/8" = 1'-0"



Auditorium Balcony Technology Plan

1/8" = 1'-0"



GENERAL NOTES

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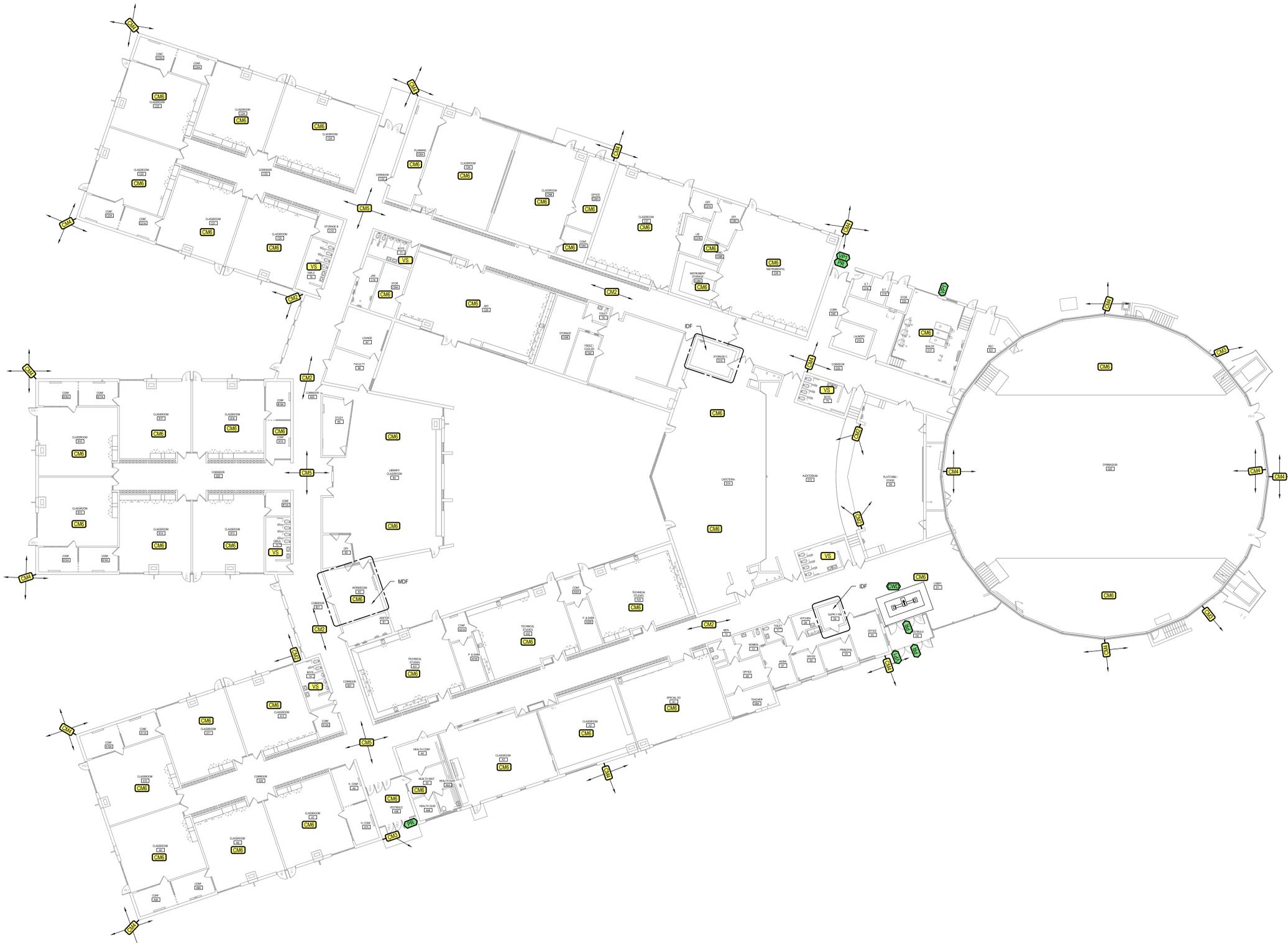
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BATTLE CREEK PUBLIC SCHOOLS
 DISTRICT SECURITY UPGRADES
 BATTLE CREEK, MI
 Northwestern MS First Floor Technology Plan

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GENERAL NOTES

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BATTLE CREEK PUBLIC SCHOOLS
DISTRICT SECURITY UPGRADES
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Springfield MS First Floor Technology Plan

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T181

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BATTLE CREEK PUBLIC SCHOOLS
DISTRICT SECURITY UPGRADES
 BATTLE CREEK, MI

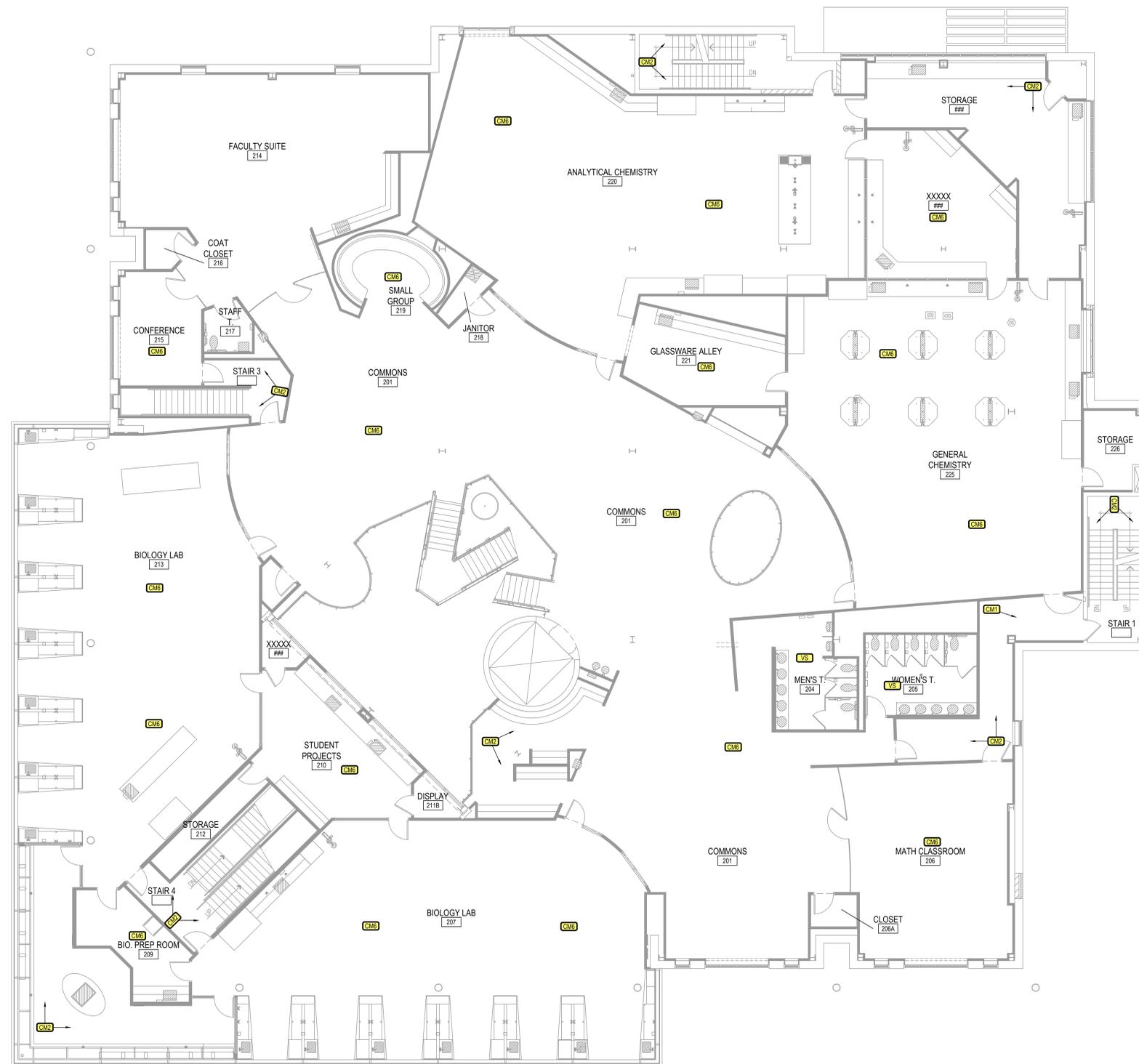
BCAMSC First Floor Technology Plan

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BCAMSC First Floor Technology Plan
 1/8" = 1'-0"



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BATTLE CREEK PUBLIC SCHOOLS
DISTRICT SECURITY UPGRADES
 BATTLE CREEK, MI
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SHEET NO.	T193

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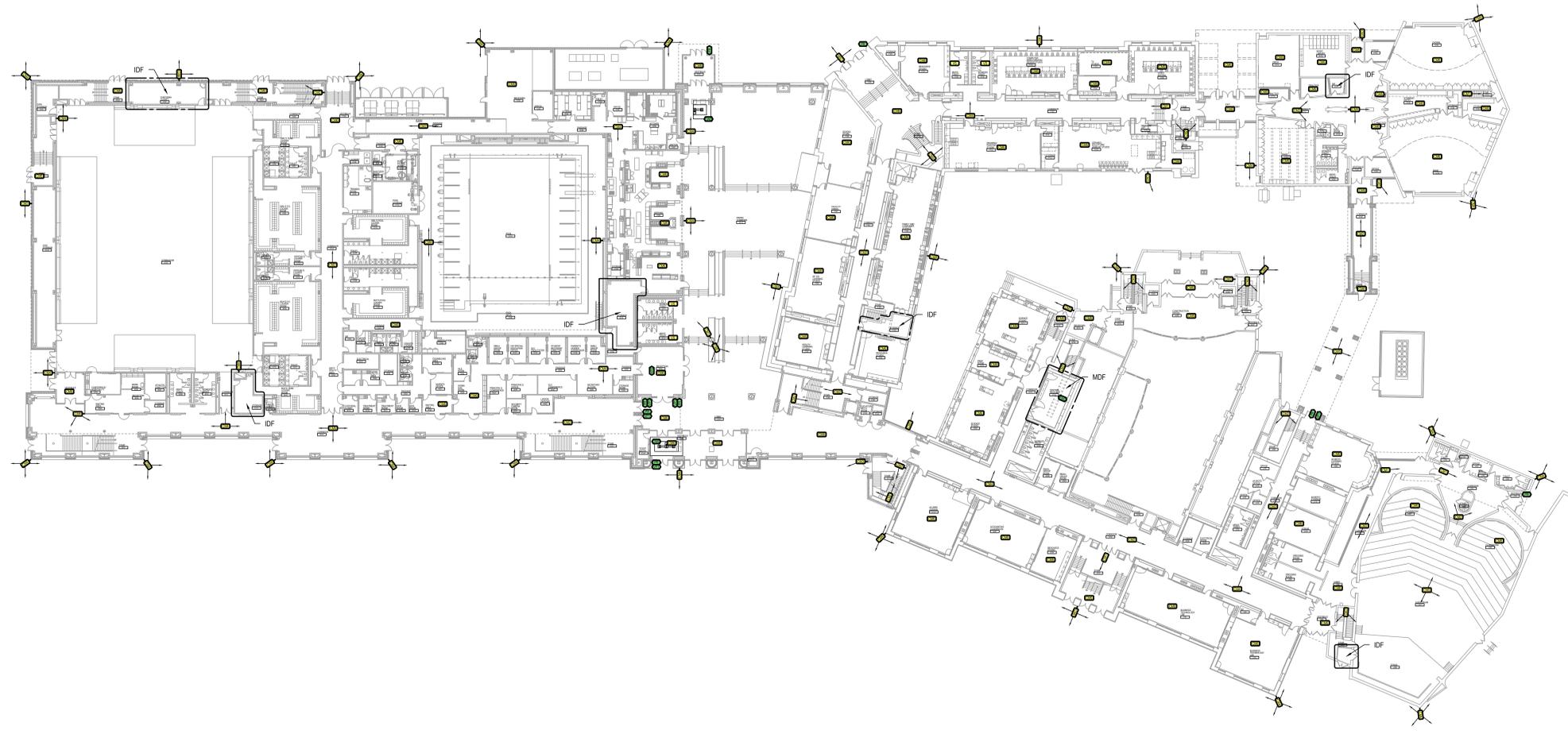
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DISTRICT SECURITY UPGRADES
 BATTLE CREEK, MI

BC Central HS Lower Level Technology Plan

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T1101



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BC Central HS First Floor Technology Plan
1/32" = 1'-0"



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DISTRICT SECURITY UPGRADES
 BATTLE CREEK, MI

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T1103



BC Central HS Second Floor Technology Plan
 1/32" = 1'-0"

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BATTLE CREEK PUBLIC SCHOOLS
DISTRICT SECURITY UPGRADES
BATTLE CREEK, MI

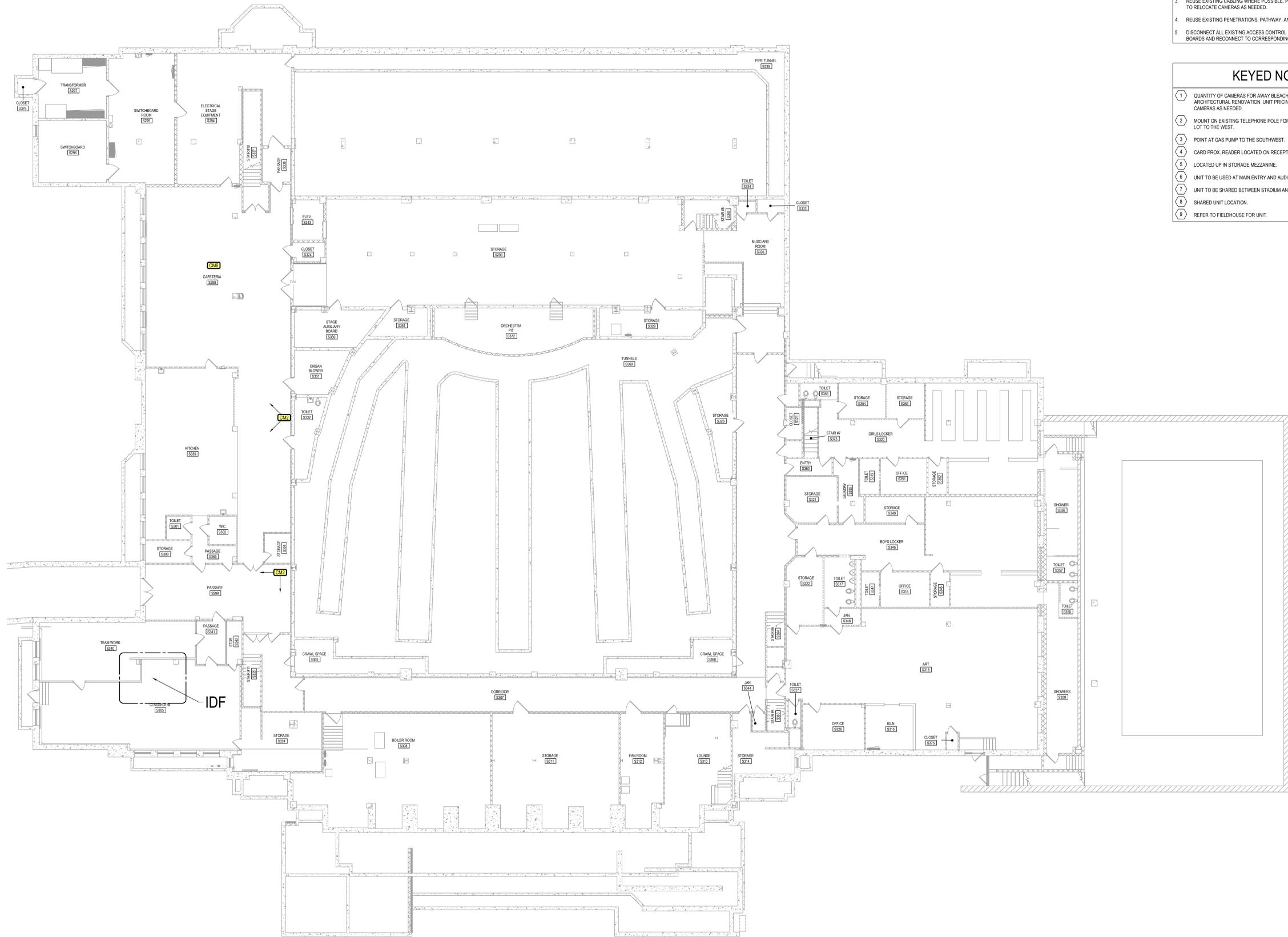
BC Central HS Third Floor Technology Plan

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T1104



GENERAL NOTES

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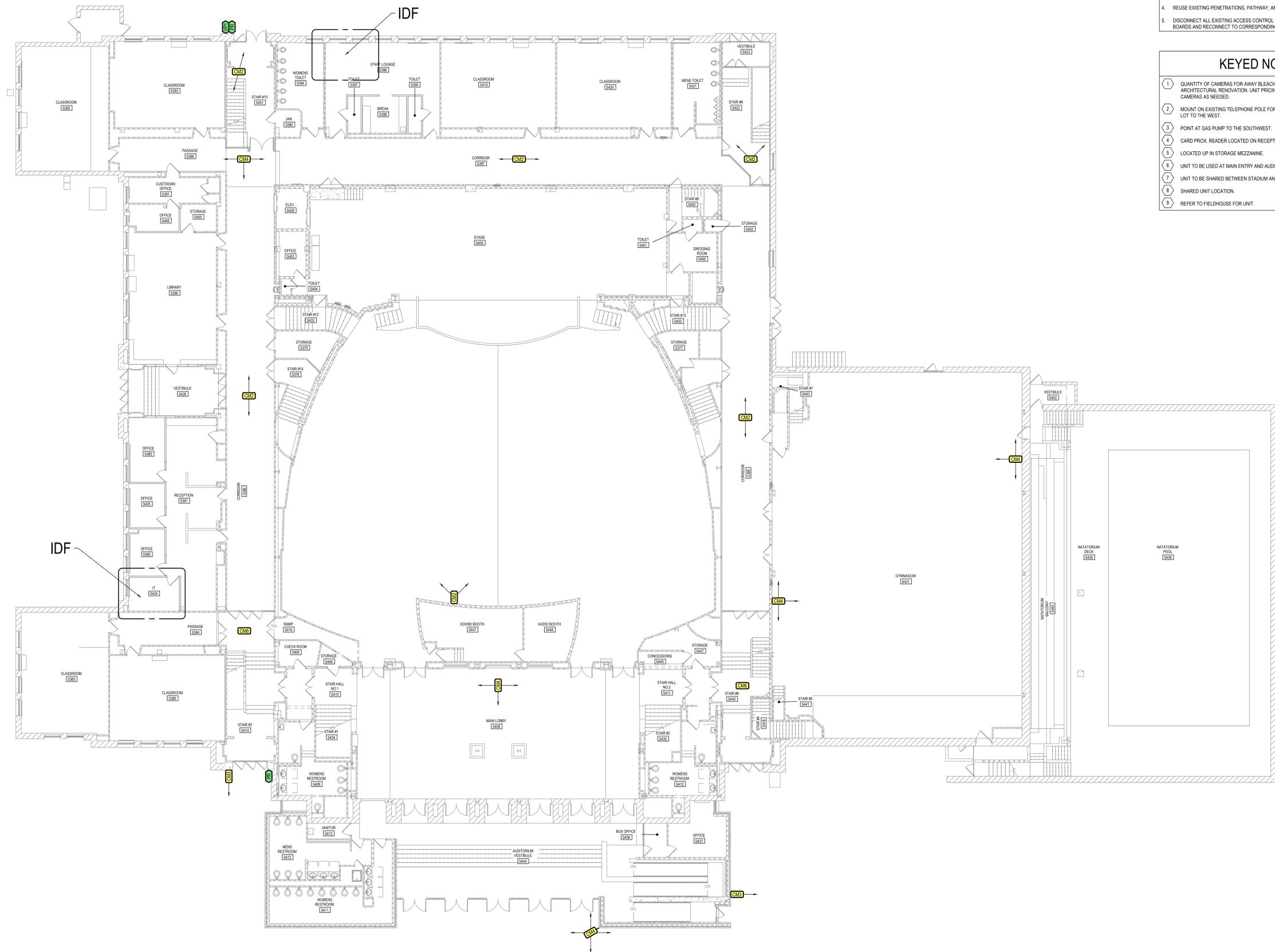
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BATTLE CREEK PUBLIC SCHOOLS
 DISTRICT SECURITY UPGRADES
 BATTLE CREEK, MI
 W. K. Kellogg HS Lower Level Technology Plan

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GENERAL NOTES

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 BATTLE CREEK, MI

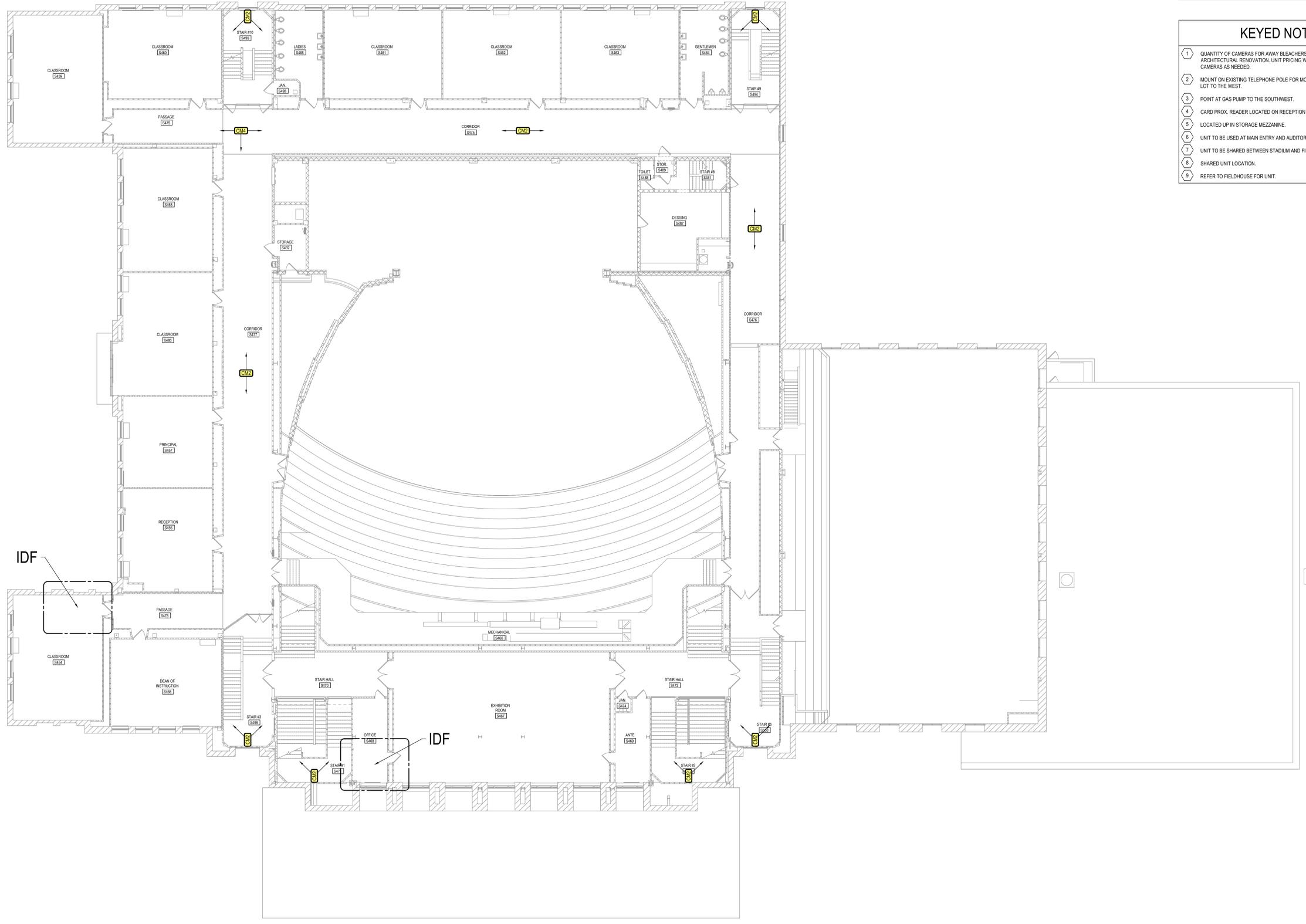
W. K. Kellogg HS First Floor Technology Plan



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GENERAL NOTES

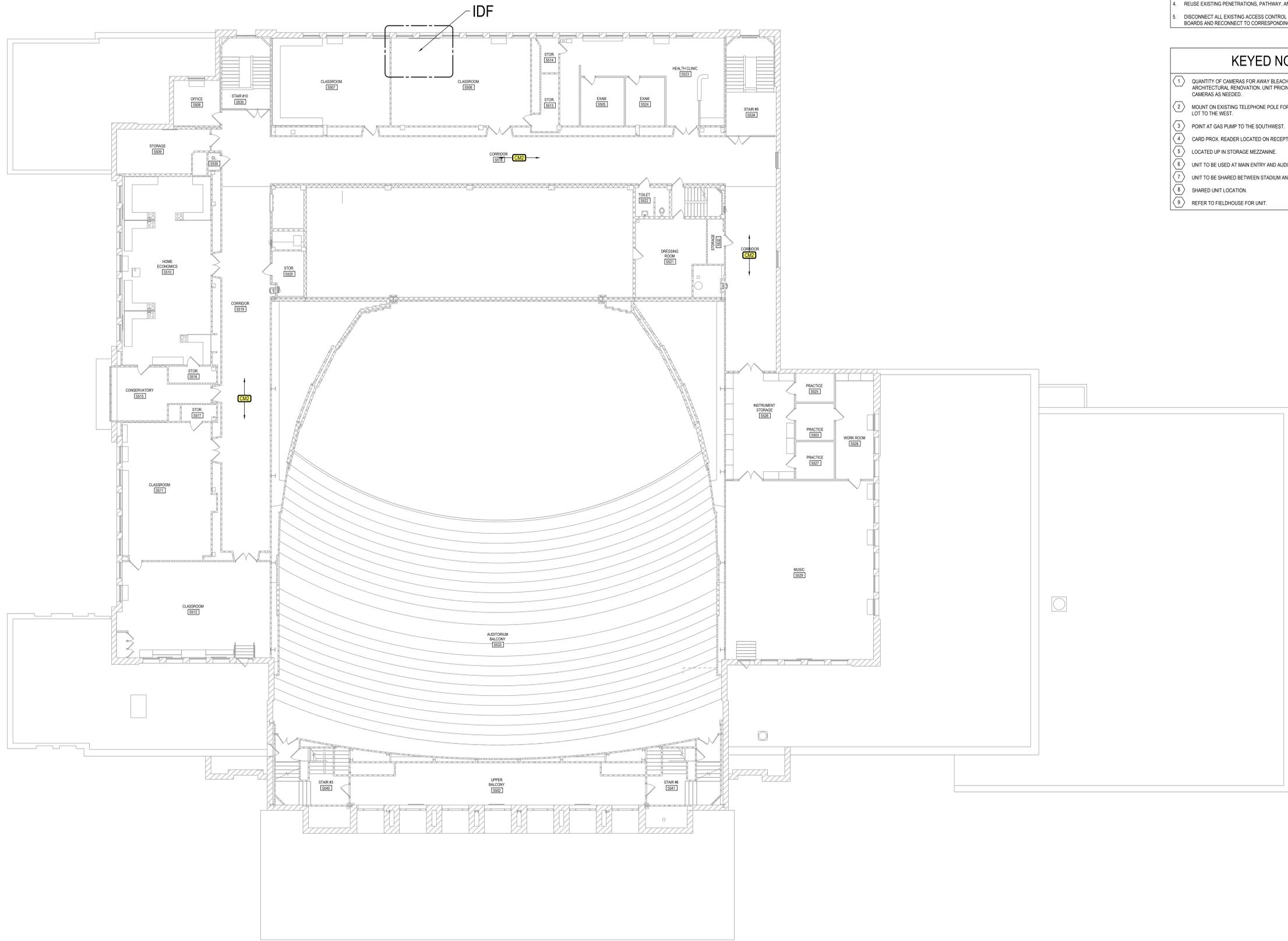
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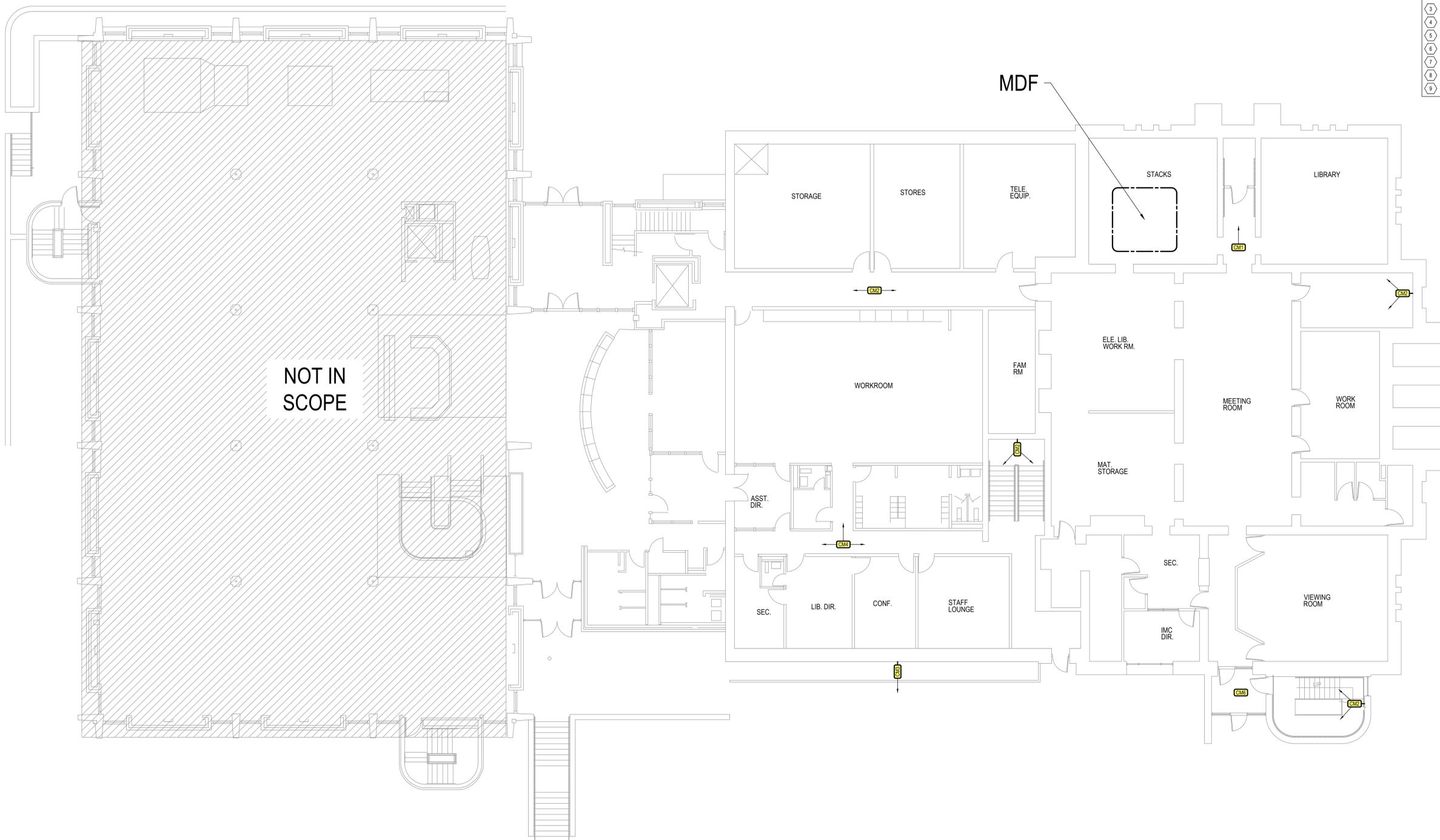
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- 7 UNIT TO BE SHARED BETWEEN STADIUM AND FIELDHOUSE.
- 8 SHARED UNIT LOCATION.
- 9 REFER TO FIELDHOUSE FOR UNIT.



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BATTLE CREEK PUBLIC SCHOOLS
 DISTRICT SECURITY UPGRADES
 BATTLE CREEK, MI

BC Admin Building Third Floor Technology Plan

ISSUE / DATE
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PROJECT NO.
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SHEET NO.

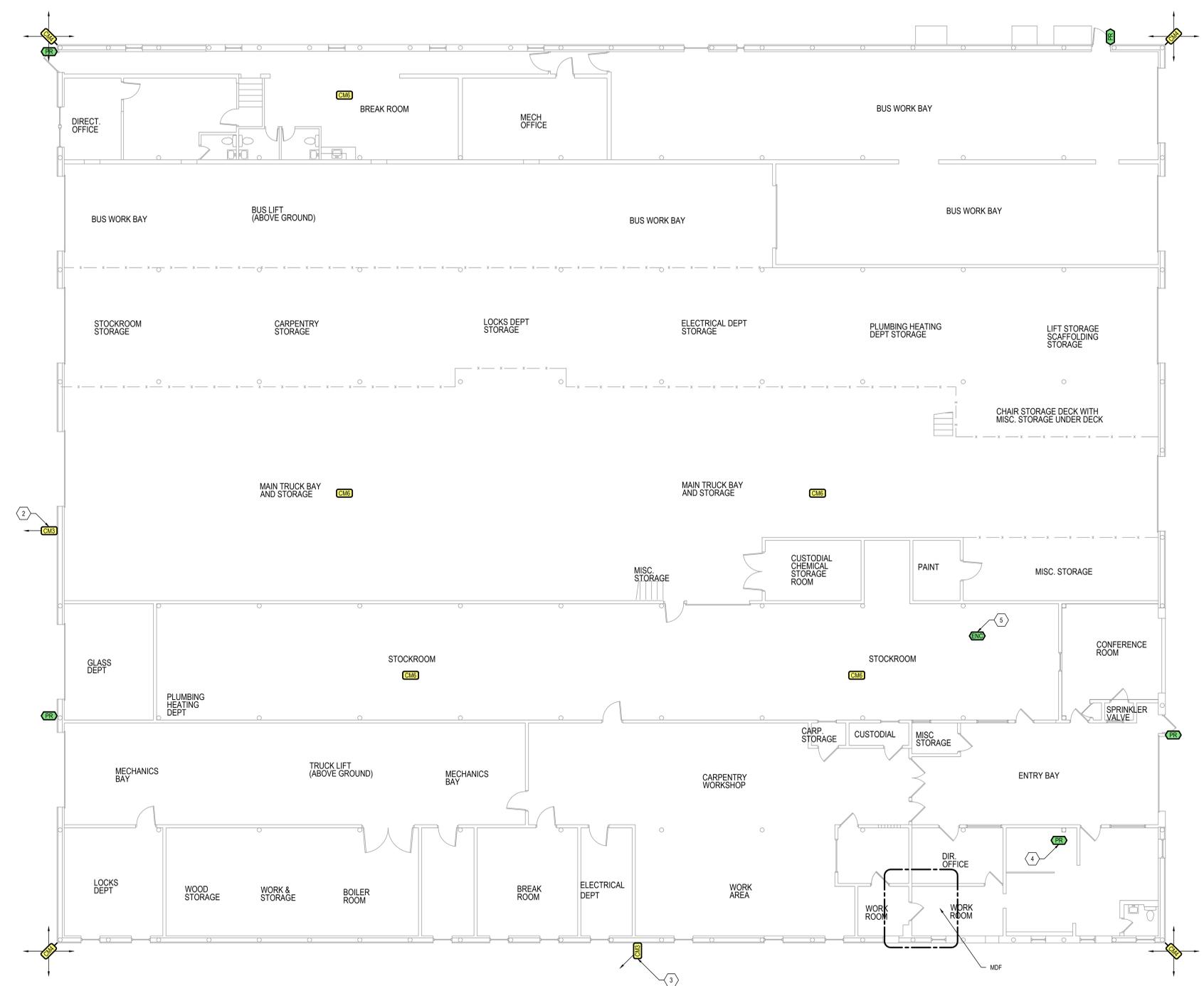
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GENERAL NOTES

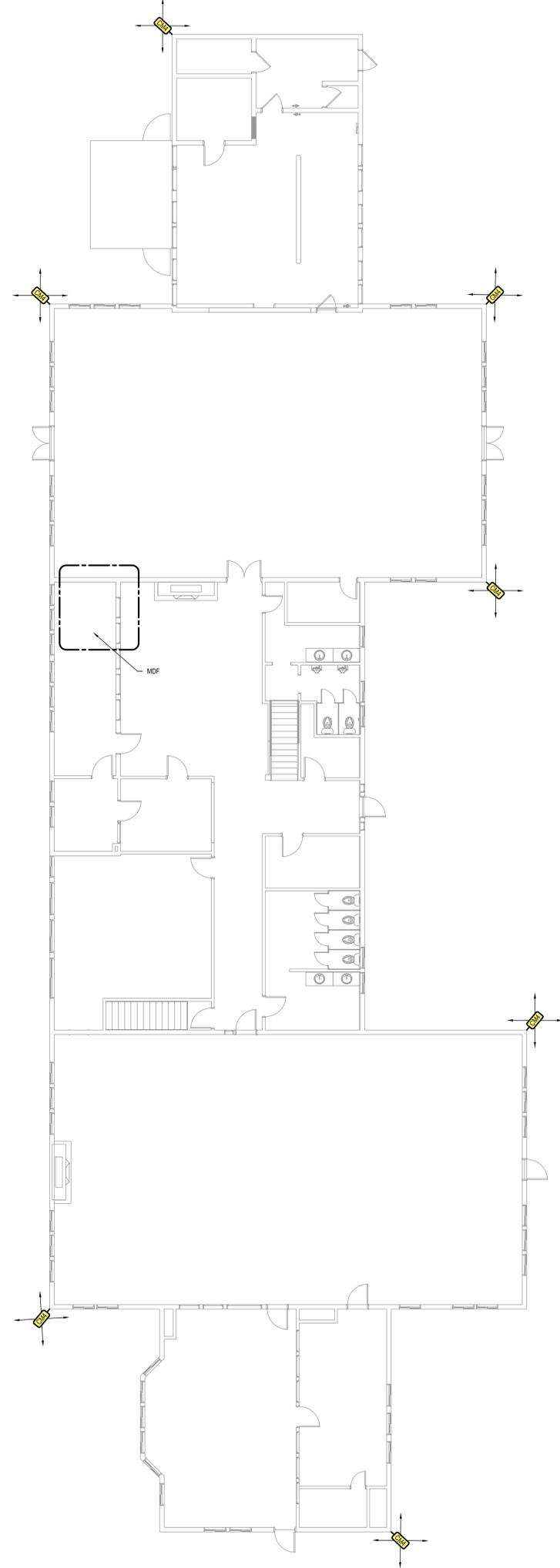
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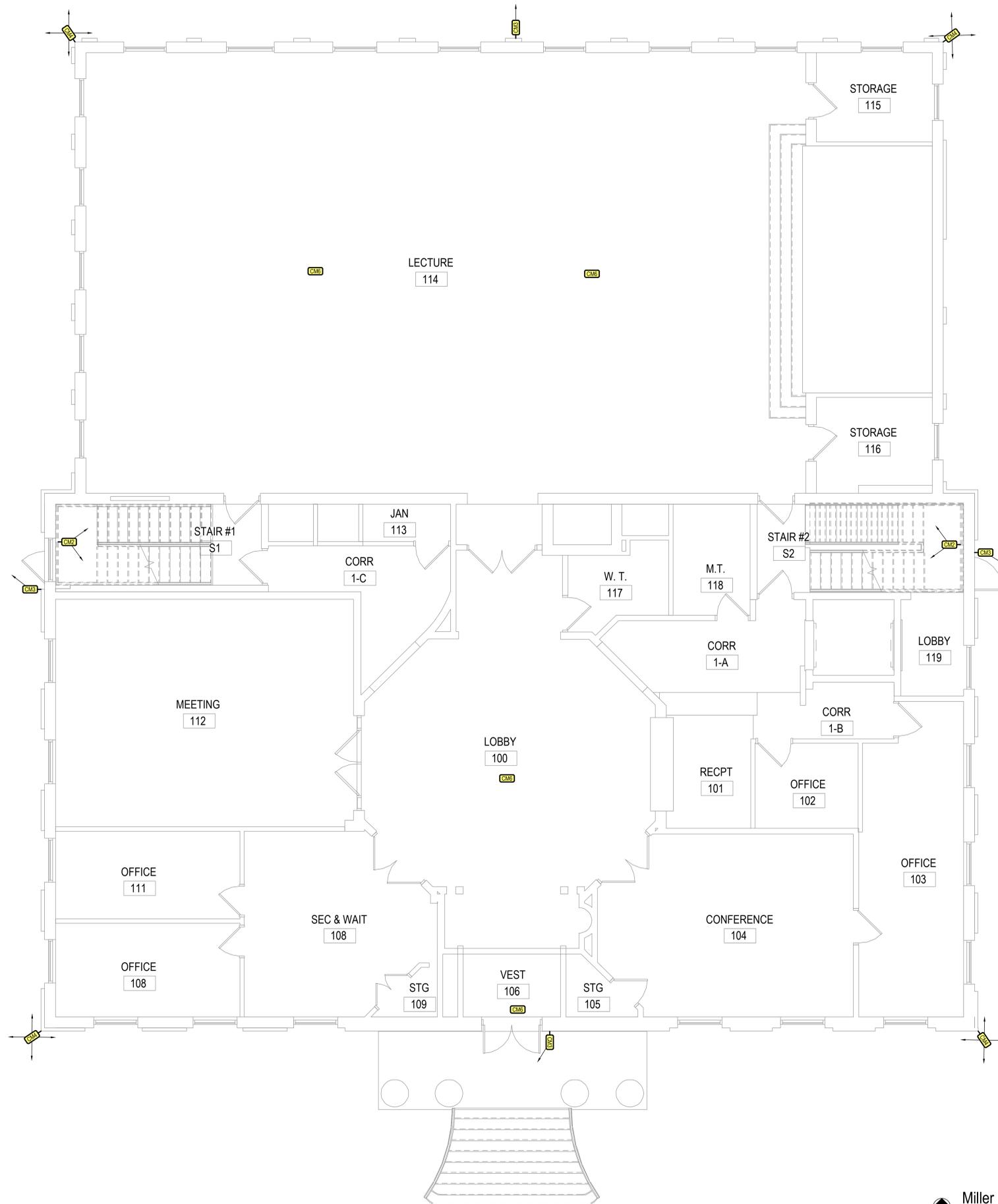


BATTLE CREEK PUBLIC SCHOOLS
DISTRICT SECURITY UPGRADES
BATTLE CREEK, MI

Outdoor Edu. Center First Floor Technology Plan

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Outdoor Edu. Center First Floor Technology Plan
1/8" = 1'-0"



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BATTLE CREEK PUBLIC SCHOOLS
DISTRICT SECURITY UPGRADES
 BATTLE CREEK, MI
 Miller Stone Adult Edu. First Floor Technology Plan

ISSUE / DATE	2025-08-11 BIDS

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T1152

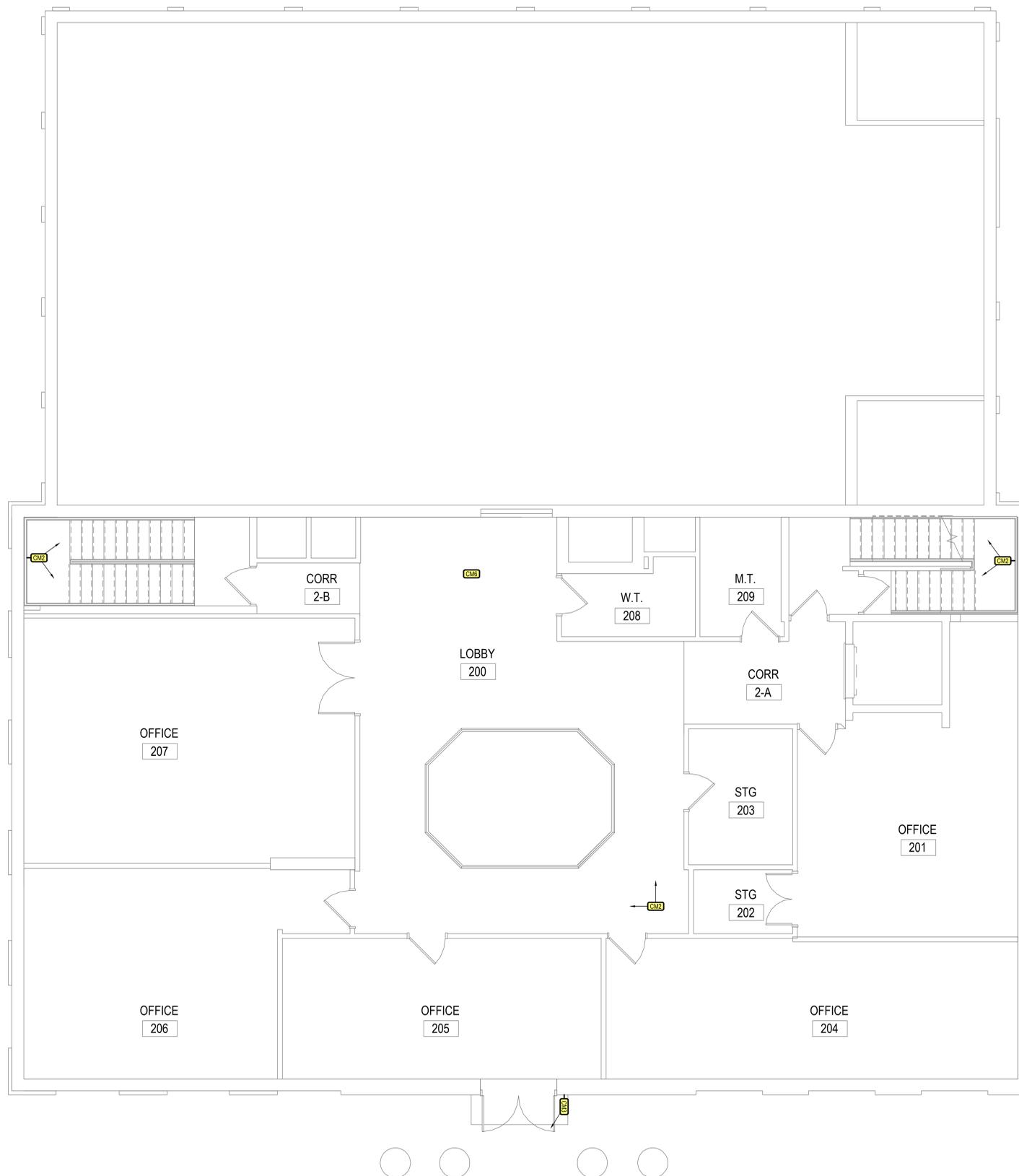
Miller Stone Adult Edu. First Floor Technology Plan
 1/4" = 1'-0"

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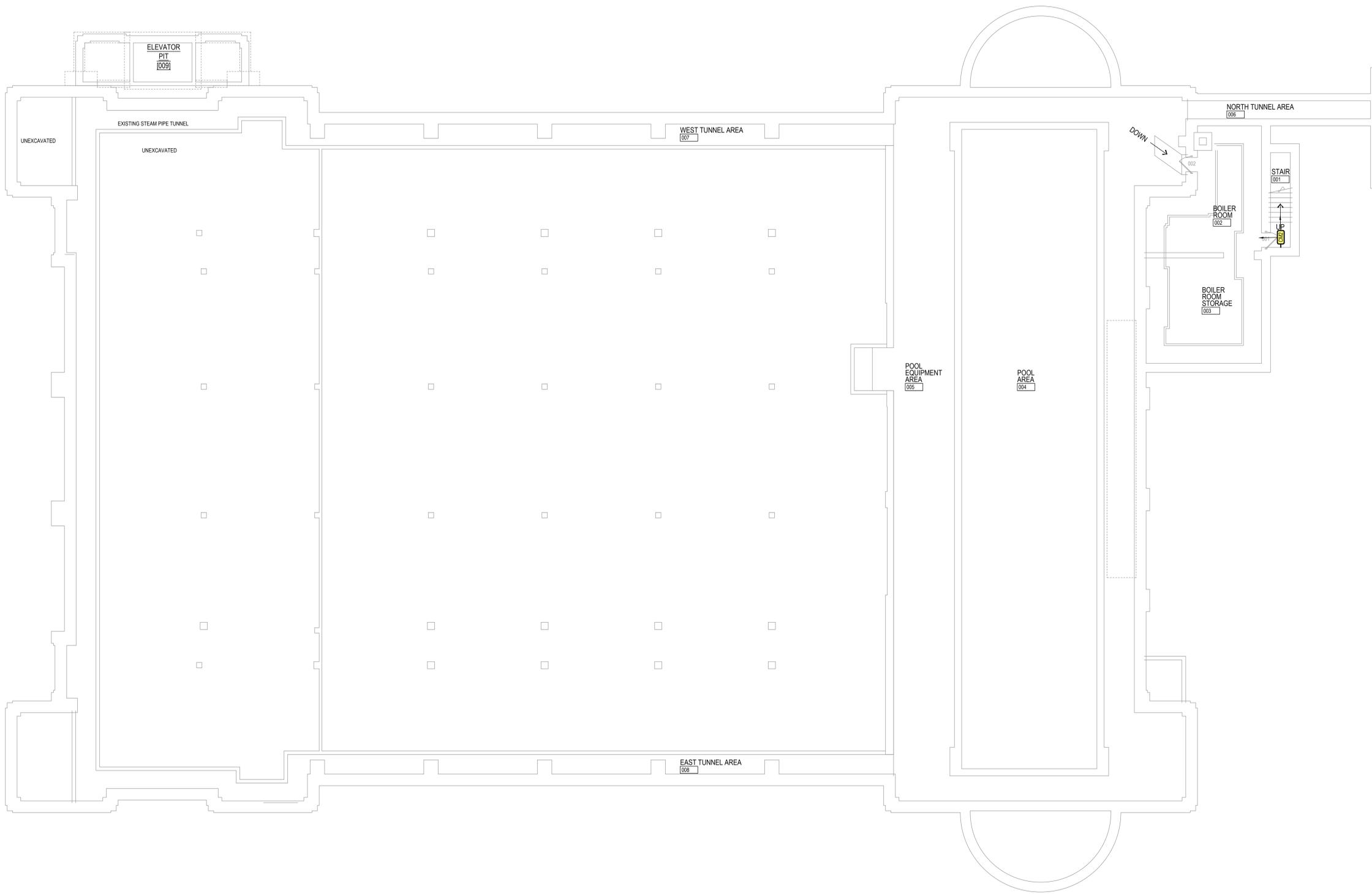
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BCPS2501-0101

SHEET NO.

T1153





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BATTLE CREEK PUBLIC SCHOOLS
DISTRICT SECURITY UPGRADES
 BATTLE CREEK, MI

BC Central Fieldhouse Lower Level Technology Plan

ISSUE / DATE
 2025-08-11 BIDS

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 BCPS2501-0101

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T1161



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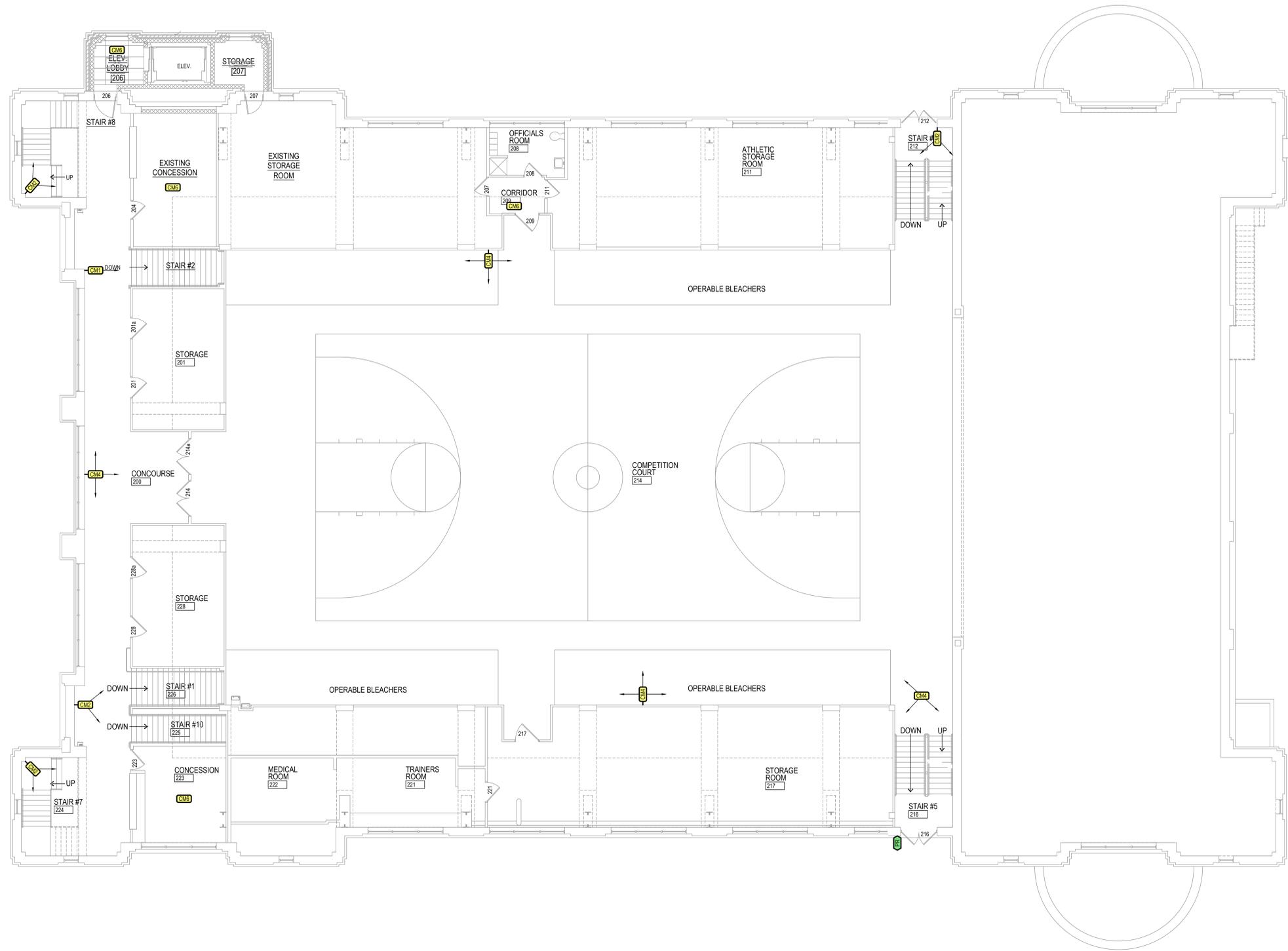


BATTLE CREEK PUBLIC SCHOOLS
 DISTRICT SECURITY UPGRADES
 BATTLE CREEK, MI
 BC Central Fieldhouse First Floor Technology Plan

ISSUE / DATE
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T1162



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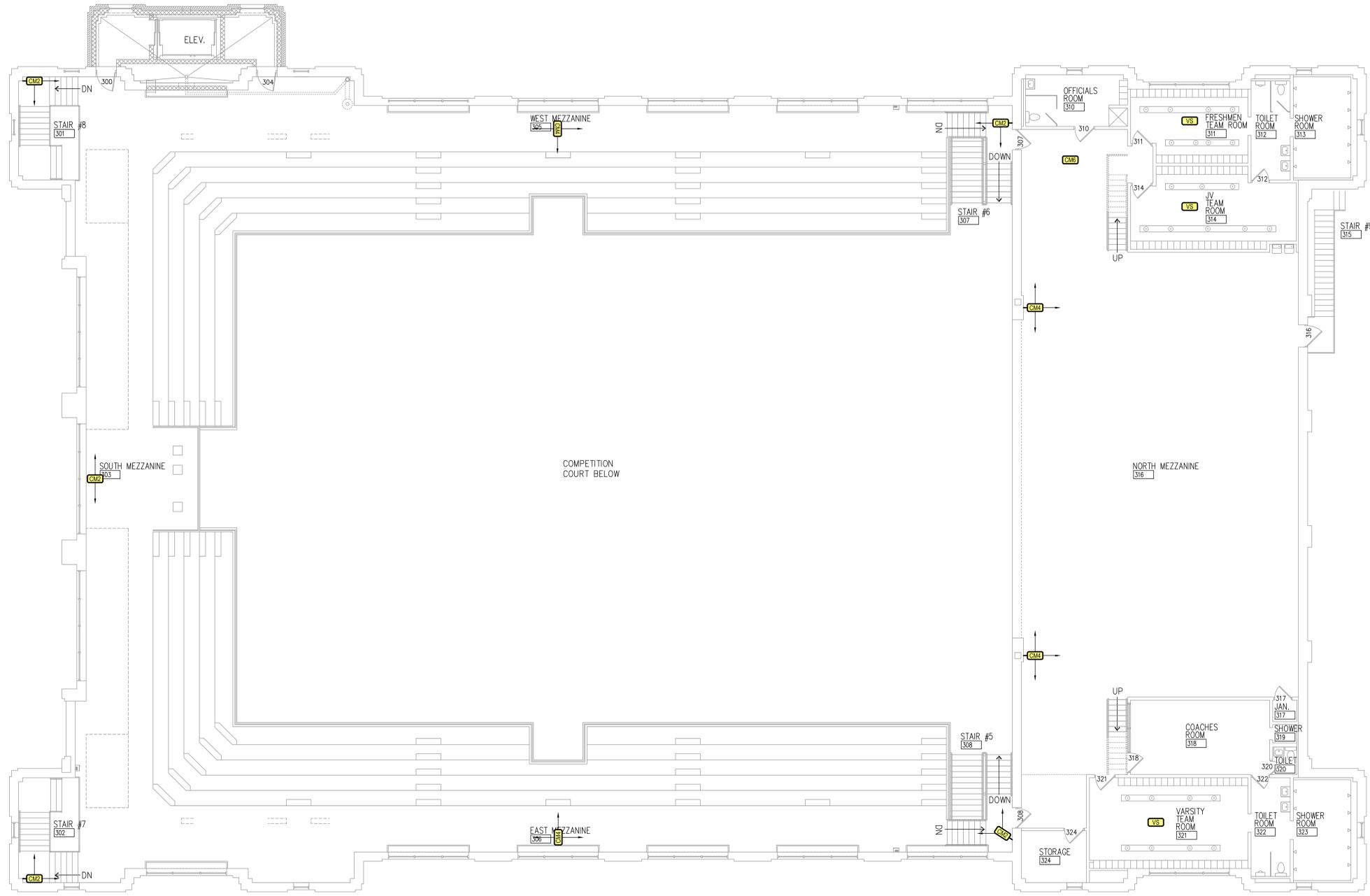
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BATTLE CREEK PUBLIC SCHOOLS
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 BATTLE CREEK, MI
 BC Central Fieldhouse Second Floor Technology Plan

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SHEET NO.	T1163



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BATTLE CREEK PUBLIC SCHOOLS
DISTRICT SECURITY UPGRADES
 BATTLE CREEK, MI

BC Central Fieldhouse Third Floor Technology Plan

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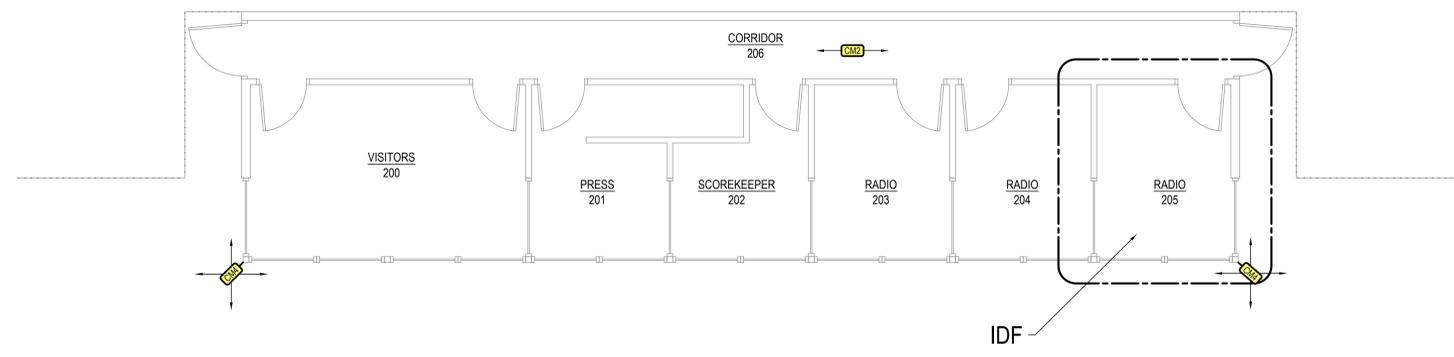
BC Central Fieldhouse Third Floor Technology Plan
 1/8" = 1'-0"

GENERAL NOTES

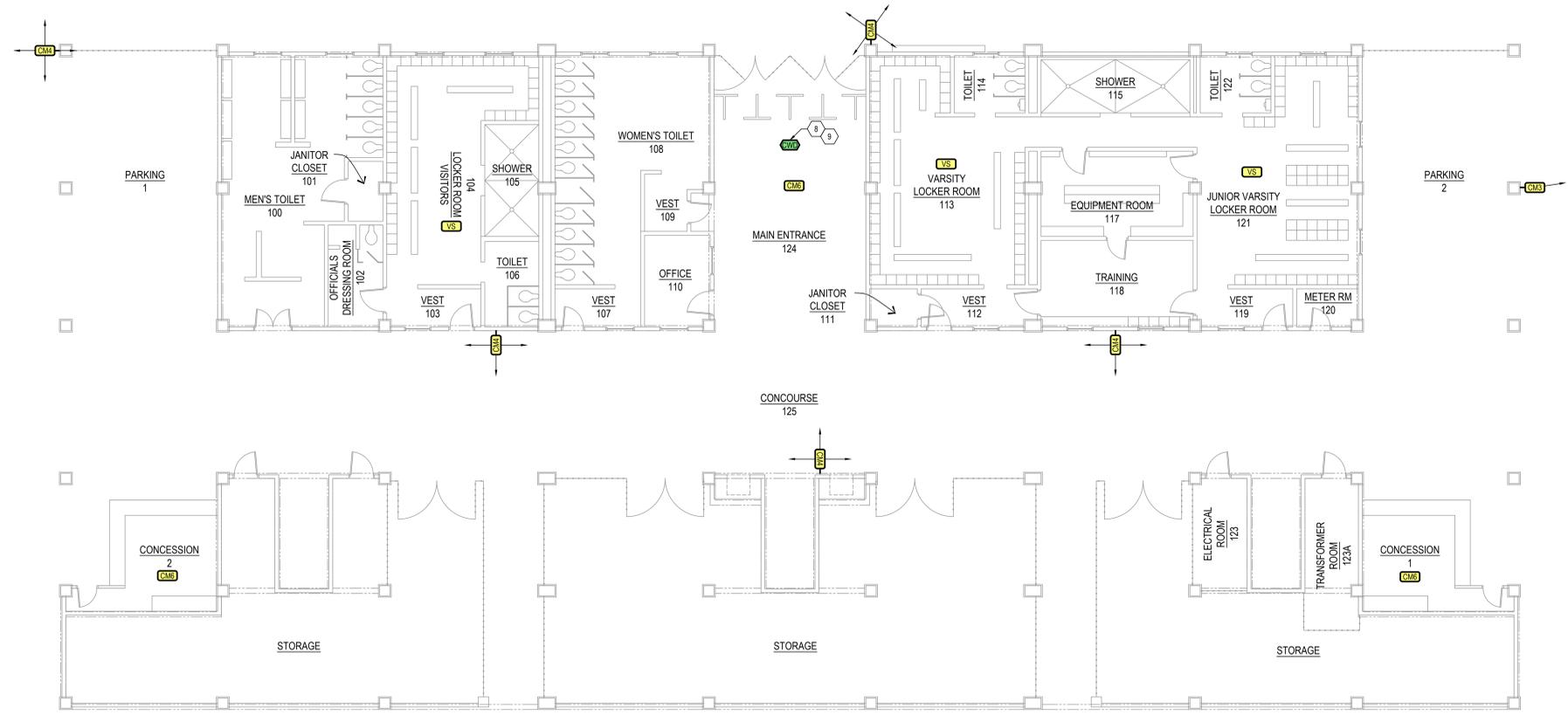
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Press Box Lower Level
 1/4" = 1'-0"



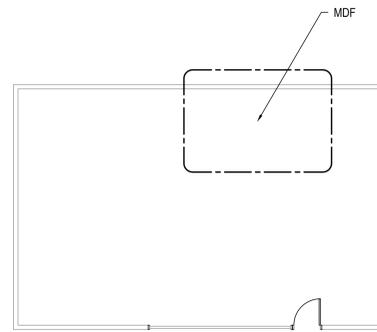
Under Home Bleachers
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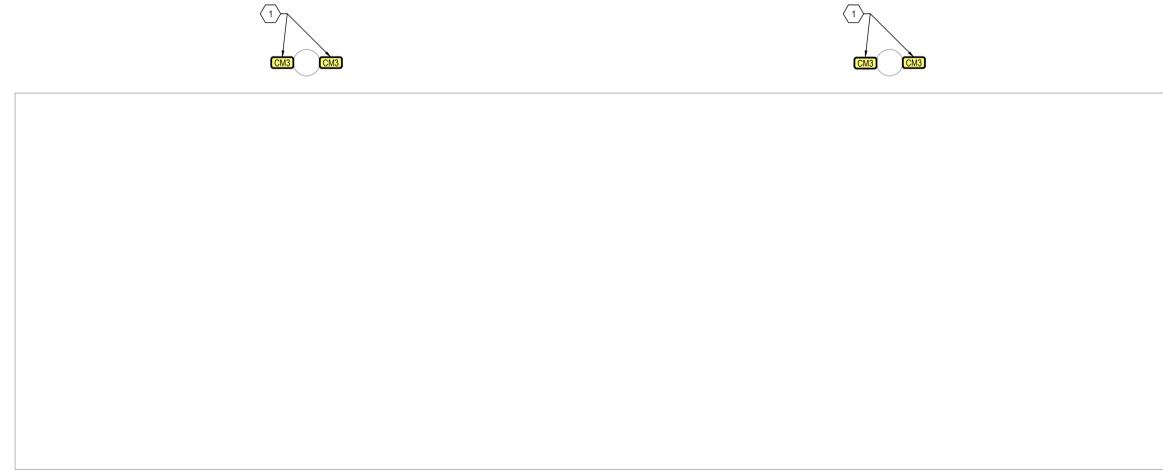
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Utility Shed

1/8" = 1'-0"



Away Bleachers

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BATTLE CREEK PUBLIC SCHOOLS
DISTRICT SECURITY UPGRADES
 BATTLE CREEK, MI
 Cereal City Science Technology Plan

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T1181

CAMERA LEGEND								
SYMBOL	NEW	DESCRIPTION	HEIGHT	DATA DROPS	NEW WORK		SURFACE MOUNT	
					ROUGH-IN	FACEPLATE	ROUGH-IN	FACEPLATE
[CAM]	[CAM1]	INTERIOR SINGLE-HEAD DOME	CEILING	1	N/A	4/7401	N/A	4/7401
	[CAM2]	INT. / EXT. DUAL-HEAD	CEILING / 144" AFF	1	N/A	4/7401	N/A	4/7401
	[CAM3]	EXTERIOR SINGLE-HEAD DOME	144" AFF	1	N/A	4/7401	N/A	4/7401
	[CAM4]	INT. / EXT. THREE-HEAD	CEILING / 144" AFF	1	N/A	4/7401	N/A	4/7401
	[CAM5]	INTERIOR FOUR-HEAD	CEILING	1	N/A	4/7401	N/A	4/7401
	[CAM6]	INT. / EXT. SINGLE-HEAD FISHEYE	CEILING / 144" AFF	1	N/A	4/7401	N/A	4/7401
[VBS]		VAPE SENSOR	CEILING	1	N/A	4/7401	N/A	4/7401

- ### CAMERA NOTES
- INSTALL AND CONFIGURE SERVER LICENSING AS NEEDED FOR FIVE (5) YEARS IF AVAILABLE FROM MANUFACTURER. PROVIDE ONE CAMERA LICENSE AND ONE SUPPORT LICENSE FOR EACH CAMERA INSTALLED.
 - CONFIGURE SOFTWARE PER SPECIFICATION TO SUPPORT ALL CAMERAS AND SERVERS. CAMERAS AND SERVERS SHALL BE UPGRADED TO NEWEST STABLE FIRMWARE AND LICENSE.
 - PROVIDE A MINIMUM 1/8" PATCH CORD FOR ALL CAMERAS. RELOCATE CAMERA DATA DROP AS REQUIRED FOR OPTIMAL CAMERA POSITION. NEATLY COIL AND SECURE ANY REMAINING MAINTENANCE LOOP TO BUILDING STRUCTURE.
 - SECURE EXTERIOR CAMERAS TO BUILDING AT MINIMUM OF 144" AFF, UNLESS NOTED OTHERWISE.
 - CAMERA CONTRACTOR IS RESPONSIBLE FOR DRILLING ANY HOLES THAT ARE REQUIRED TO PROVIDE PATHWAY FOR CAMERA PATCH CORDS. SEAL ALL PENETRATIONS APPROPRIATELY (REMOVABLE WATERPROOF CAULK FOR EXTERIOR WALLS, AND FIRE-PROOF PUTTY FOR FIRE-RATED WALLS).
 - CAMERA CONTRACTOR TO PROVIDE MOUNTING HARDWARE AS ALLOWED BASED ON CAMERA TYPE AND MOUNTING LOCATION.
 - IMPORT BUILDING FLOOR PLANS AND PLACE CAMERA ICONS TO ALLOW VIEWING SELECTION OF A GIVEN CAMERA FROM THE SOFTWARE INTERFACE.
 - ASSIST THE OWNER IN LOADING AND USAGE OF VIEWING SOFTWARE ON UP TO FIVE (5) COMPUTERS AND PROVIDE ABILITY TO VIEW CAMERAS FROM A MOBILE DEVICE TO THE EXTENT POSSIBLE WITH THE SYSTEM.
 - ALL SERVERS SHALL BE INSTALLED IN THE 9C CENTRAL HIGH SCHOOL M/F UNLESS STATED OTHERWISE BY OWNER. SERVERS SHALL BE CONNECTED TO THE OWNER'S EXISTING FIBER INFRASTRUCTURE.
 - SERVERS SHALL HAVE CAMERA CHANNELS, BANDWIDTH AND STORAGE LOAD-BALANCED USING OWNER'S IMAGE QUALITY AND DATA RETENTION STANDARDS.
 - CAMERAS TO RUN AT DEFAULT SETTINGS UNTIL THEY ARE ABLE TO BE ADJUSTED TO MEET OWNER'S QUALITY AND RETENTION STANDARDS.
 - ALL EXTERIOR CAMERAS SHALL HAVE SURGE-SUPPRESSORS AND PROPER GROUNDING TO BUILDING STRUCTURE.

PATCH CORD LEGEND				
PURPOSE	TR		DEVICE LOCATION	
	COLOR	1'-0"	COLOR	14'-0" / 25'-0"
GENERAL DATA	WHITE		WHITE	
SURVEILLANCE CAMERAS	VIOLET		VIOLET	

ACCESS CONTROL LEGEND							
SYMBOL	NEW	DESCRIPTION	HEIGHT	DATA DROPS	SURFACE MOUNT		
					ROUGH-IN	FACEPLATE	
[CR]	[CR]	PROXIMITY READER	EXISTING	0	N/A	N/A	
[DPS]	[DPS]	DOOR POSITION SENSOR	EXISTING	0	N/A	N/A	
[REX]	[REX]	REQUEST TO EXIT DEVICE	EXISTING	0	N/A	N/A	
[ERS]	[ERS]	ELECTRIC RETRACTOR OR STRIKE	EXISTING	0	N/A	N/A	
[DRB]	[DRB]	DOOR RELEASE BUTTON	EXISTING	0	N/A	N/A	
[VPI]	[VPI]	VIDEO PHONE (INTERCOM)	EXISTING	1	2/7401	N/A	
[VP2]	[VP2]	VIDEO PHONE BASE STATION	EXISTING	1	N/A	N/A	
[ENC]	[ENC]	ACCESS CONTROL ENCLOSURE	EXISTING	1	4/7401	N/A	
		CONCEALED WEAPON DETECTION SYSTEM	FLOOR	2	1/7401	3/7401	

- ### ACCESS CONTROL NOTES
- APPLY WRAP LABELS TO EACH END OF ALL CABLES. CABLE ID SHALL BE INDICATED USING THE APPROPRIATE TECH CLOSET ID AND PORTAL ID AS CABLE NAME PREFIX. SEE DETAIL 8/7401.
 - REINSTALL CABLING FROM EXISTING DOORS AND PERIPHERALS ONTO NEW CONTROL BOARDS LOCATED IN NEW ACCESS CONTROL CABINETS.
 - INSTALL NEW ACCESS CONTROL CABINETS IN FOOTPRINT OF OLD CABINET. IF NEW CABINET DOESN'T FIT, COORDINATE NEW LOCATION WITH OWNER.
 - REPORT DOOR FUNCTION BEFORE AND AFTER REINSTALLING CABLING TO NEW CONTROL BOARDS.

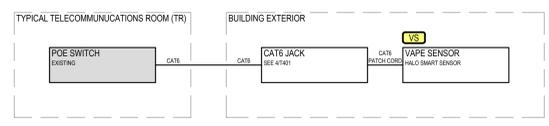
CABLING AND JACK LEGEND								
PURPOSE	PREMISE CABLING				JACKS			
	COLOR	RATING	MANUFACTURER	MODEL	COLOR	MANUFACTURER	MODEL	SHIELDED
SURVEILLANCE CAMERAS	BLUE	PLENUM	GENERAL CABLE	GENSPEED 6000	VIOLET	PANDUIT	CJ688TGVLY	CJ688TGVLY
GENERAL PURPOSE					WHITE		CJ688TGVH	CJ688TGVH

SECURITY SYSTEMS CABLE TYPES						
TYPE	RISER-RATED CABLES		PLENUM-RATED CABLES		DESCRIPTION	APPLICATION
	MANUFACTURER	PART #	MANUFACTURER	PART #		
1	BELDEN	5500UE	BELDEN	6500UE	22AWG, 2 CONDUCTOR	DOOR POSITION SENSOR
2	BELDEN	5302UE	BELDEN	6302UE	18AWG, 4 CONDUCTOR	REX, PIR MOTION DETECTOR, BREAK-GLASS SENSOR
3	BELDEN	5304FE	BELDEN	6304FE	18AWG, 6 CONDUCTOR SHIELDED	PROXIMITY CARD READER
4	BELDEN	5300UE	BELDEN	6300UE	18AWG, 2 CONDUCTOR	LOCK POWER, ALARM ANNUNCIATOR
5	BELDEN	5502FE	BELDEN	6502FE	22AWG, 4 CONDUCTOR SHIELDED	ALARM LCD PANEL
6	BELDEN	5541FE	BELDEN	8441FE	20AWG, 2-PAIR CONDUCTOR SHIELDED	RS-485
7					CATEGORY 5E, 4-PAIR CONDUCTOR	ETHERNET DATA

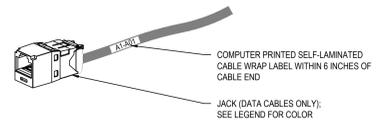
- ### STRUCTURED CABLING NOTES
- FOR ALL ALPHABETIC IDENTIFIERS THE LETTERS "O" AND "I" ARE NOT USED. TO PREVENT POSSIBLE CONFUSION WITH THE NUMBERS ZERO AND ONE.
 - PATCH CORD LENGTH TO ALL DEVICES SHALL BE A MINIMUM OF 18". ANY EXCESS LENGTH SHALL BE COILED NEATLY NEAR DEVICE, UNLESS OTHERWISE REQUESTED BY OWNER.
 - PATCH CORD LENGTH IN TECHNOLOGY RACKS SHALL BE 1FT, UNLESS OTHERWISE REQUESTED BY OWNER.
 - COORDINATE FINAL ROUGH-IN FACEPLATE AND RACEWAY COLORS AND FINISHES WITH OWNER BEFORE PURCHASE AND INSTALLATION.

- ### CABLING DISTRIBUTION NOTES
- PROVIDE 10 FEET OF MAINTENANCE LOOP AT TECHNOLOGY ROOM AND 1 FOOT OF MAINTENANCE LOOP AT DEVICE LOCATION FOR ALL CABLING UNLESS NOTED OTHERWISE.
 - SEE PATCH CORD LEGEND AND CABLING AND JACK LEGEND ON THIS PAGE FOR MORE INFORMATION REGARDING APPROPRIATE COLORS REQUIRED.

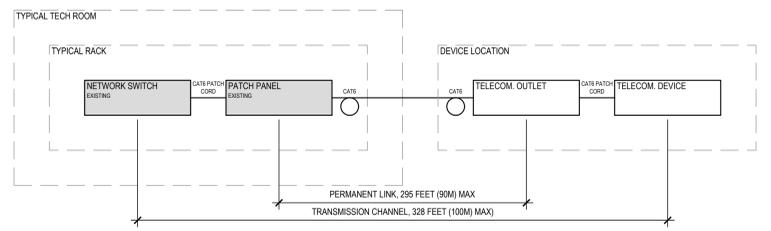
- ### ACCESS CONTROL KEYED NOTES
- LOCAL DOOR POWER SUPPLY & CONTROLLER (EXISTING CONDITIONS VARY, MAY BE LOCATED IN ACCESS CONTROL CABINET IN TECH ROOM)
 - REQUEST TO EXIT SENSOR
 - DOOR POSITION SENSOR
 - ELECTRIC STRIKE OR RETRACTOR
 - PROXIMITY READER



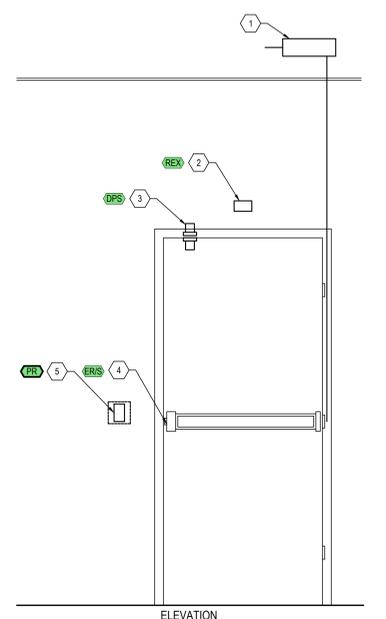
9 Vape Sensor Riser
NTS



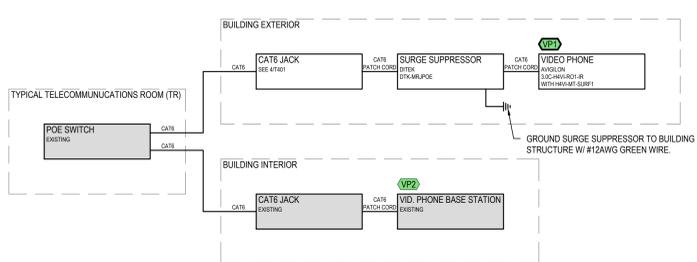
8 Typical Cabling Label Detail
6"=1'-0"



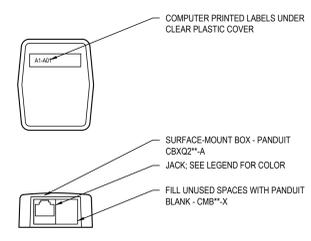
7 Cabling Distribution Riser
NTS



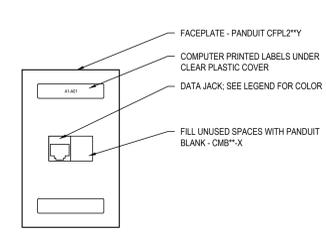
6 Typical Access Controlled Door
3/4"=1'-0"



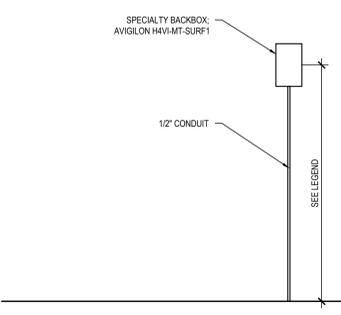
5 Video Phone System Riser
NTS



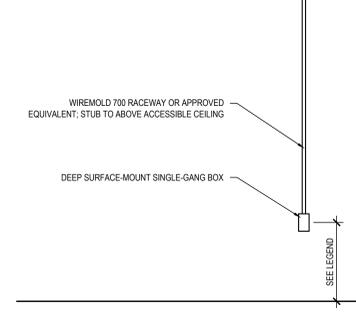
4 Data Drop (1-2) Surface
6"=1'-0"



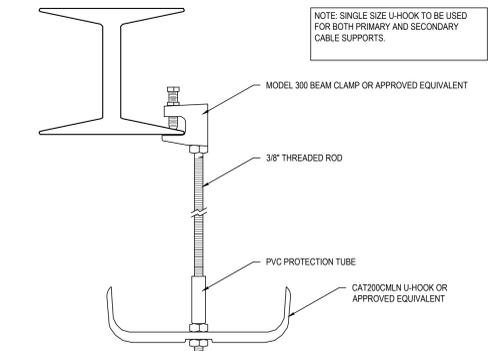
3 Data Drop (1-2) Faceplate
6"=1'-0"



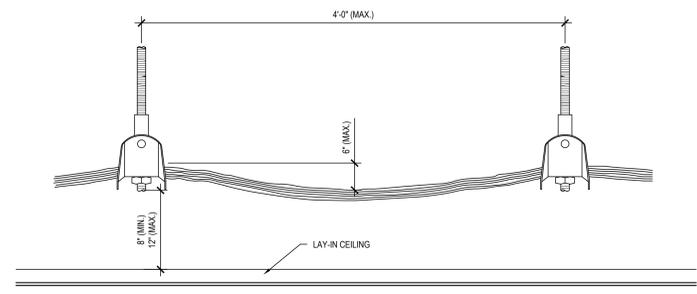
2 Video Phone Surface-Mount
3/4"=1'-0"



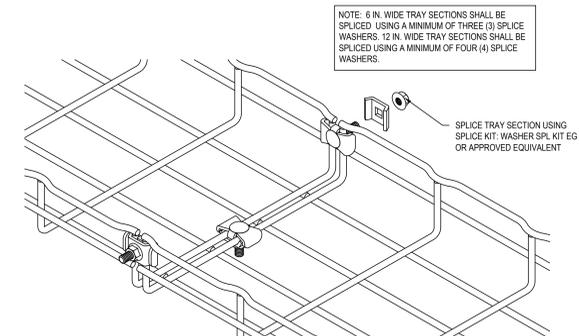
1 Single-Gang Surface-Mount
3/4"=1'-0"



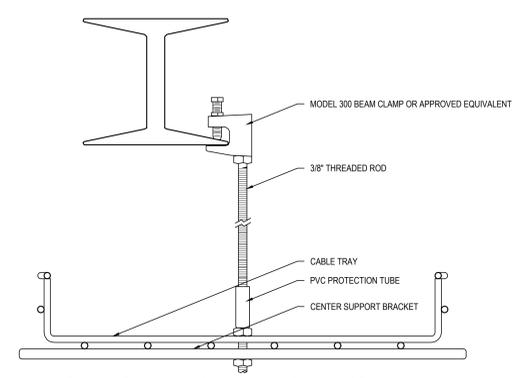
Cable Support Assembly Detail (J-Hooks)
NTS



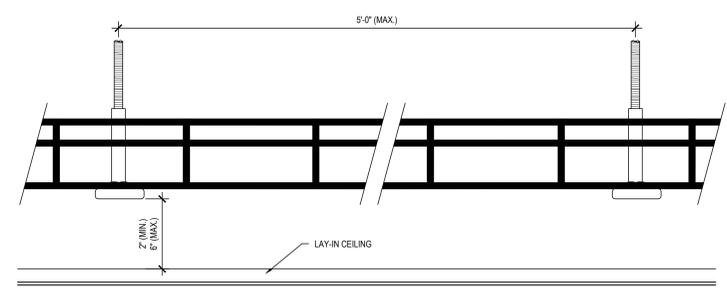
Cable Support Installation Detail (J-Hooks)
NTS



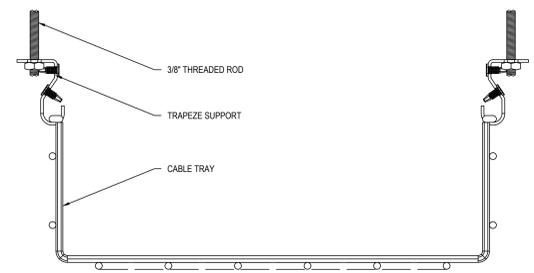
Cable Support Coupling Detail (Cabletray)
NTS



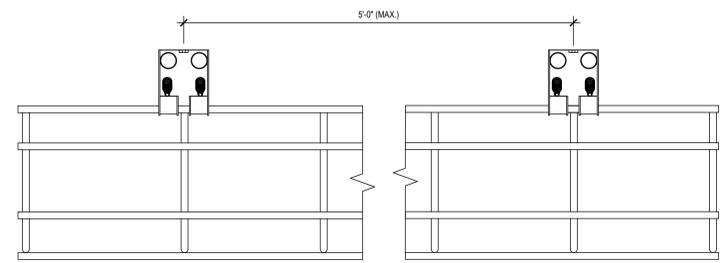
Cable Support Assembly Detail (Cabletray)
NTS



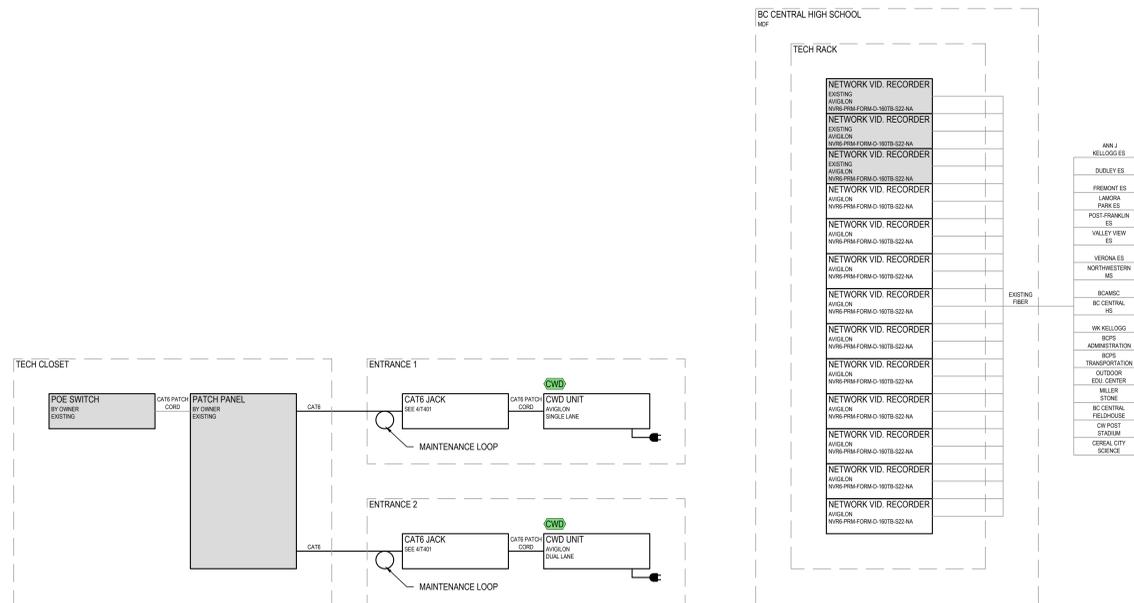
Cable Support Installation Detail (Cabletray)
NTS



Cable Support Assembly Detail (Cabletray)
NTS



Cable Support Installation Detail (Cabletray)
NTS

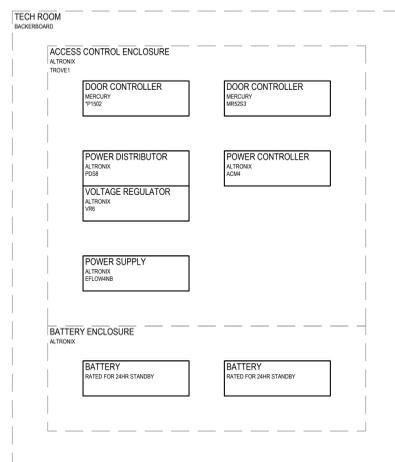


Typical Concealed Weapons Detection System Riser

N/A

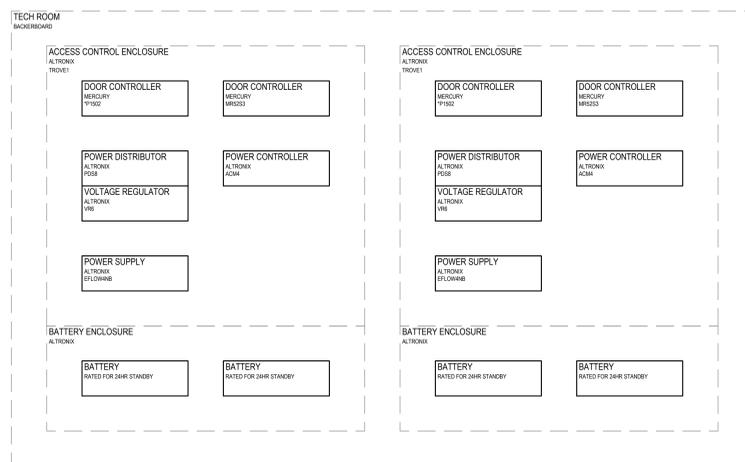
Camera Server Backbone Riser

N/A



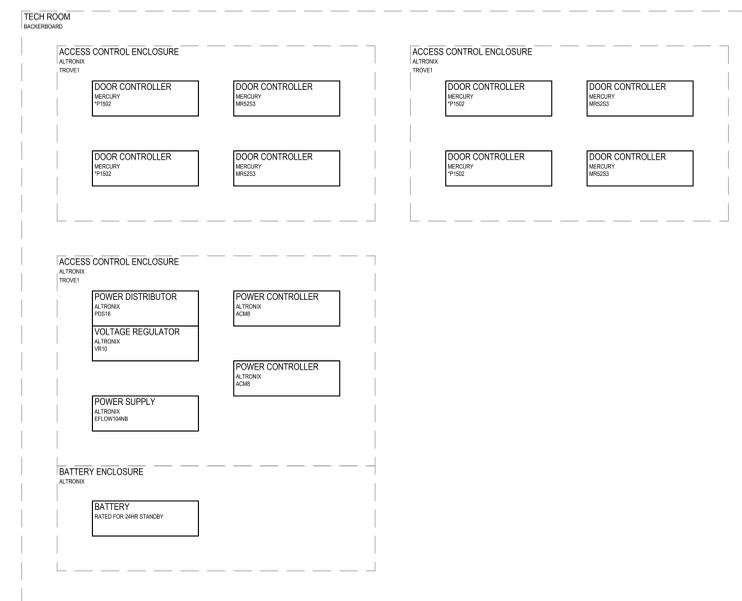
Buildings with 1-4 Access Controlled Doors

N/A



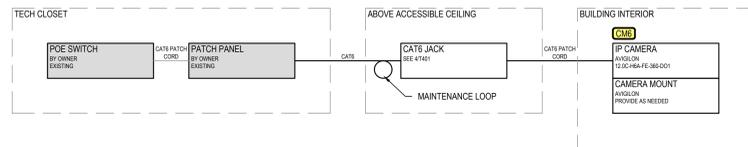
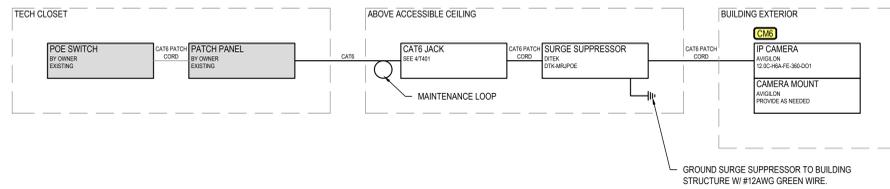
Buildings with 5-8 Access Controlled Doors

N/A

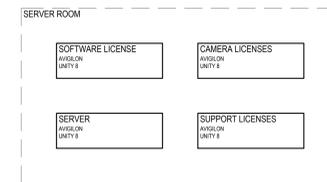


BC Central High School

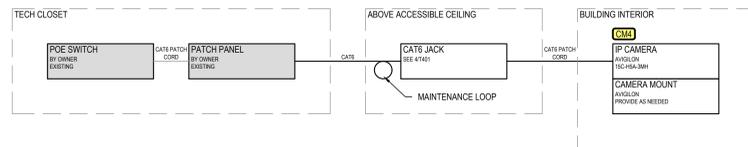
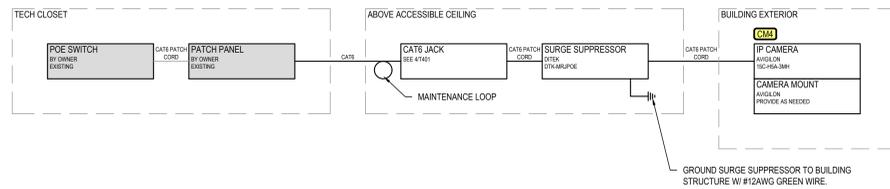
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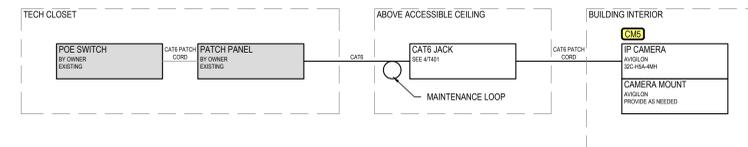
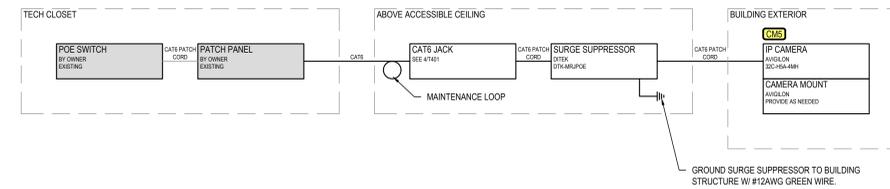
6 Int. / Ext. Single-Head Fisheye Camera Riser (CM6)
NTS



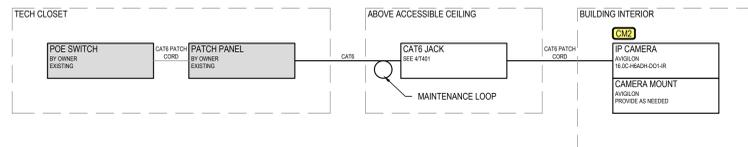
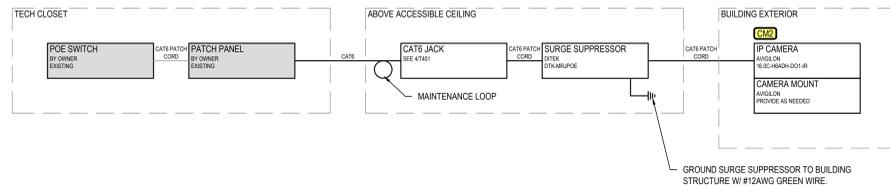
7 NVR Software Details
NTS



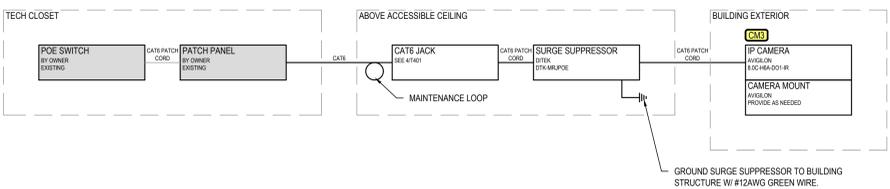
4 Int. / Ext. Three-Head Camera Riser (CM4)
NTS



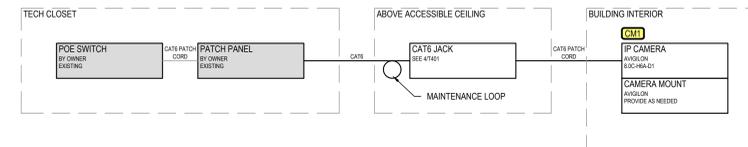
5 Int. / Ext. Four-Head Camera Riser (CM5)
NTS



2 Int. / Ext. Dual-Head Camera Riser (CM2)
NTS



3 Exterior Single-Head Dome Camera Riser (CM3)
NTS



1 Interior Single-Head Dome Camera Riser (CM1)
NTS