ADVISORY AUDIOVISUAL POWER REQUIREMENTS

SUPPLEMENTAL AUDIOVISUAL POWER CIRCUITS REQUIRED BEYOND EXISTING POWER CIRCUITING

NEW ADDITIONAL POWER CAPACITY REQUIRED

QTY: 7 (120VAC 20-AMP SINGLE PHASE)

POWER CIRCUITS ASSOCIATED WITH SOUND/AV SYSTEMS FROM DISTRIBUTION PANEL. CIRCUITS SHALL NOT BE SERVED FROM PANEL CONTAINING HARMONIC LOADS (MOTORS, DIMMERS, BALLASTS, ETC.)

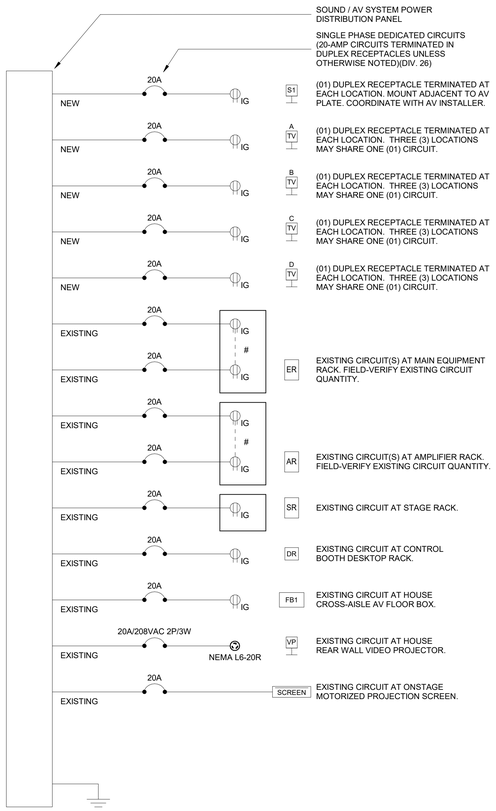
AVERAGE CURRENT DRAW AND HEAT LOADS ASSOCIATED WITH SOUND/AV SYSTEMS IN OPERATION WITH TYPICAL PROGRAM MATERIAL WITH OCCASIONAL CLIPPING:

CURRENT DRAW:
43.2 AMPS @ 120VAC

HEAT LOAD(S):
N/A

NOTES:

1. POWER RACEWAY AND MODULAR OUTLETS INSIDE RACKS FURNISHED BY AUDIO/VISUAL SYSTEM SUBCONTRACTOR AND TERMINATED BY ELECTRICAL CONTRACTOR.
2. COORDINATE WITH ELECTRICAL CONTRACTOR FOR EXACT LOCATIONS AND TERMINATION OF AC POWER.
3. REFER TO SOUND SYSTEM SPECIFICATIONS UNDER "RELATED WORK BY OTHERS" FOR ADDITIONAL INFORMATION.
4. ALL CIRCUITS ARE 20 AMP ISOLATED GROUND UNLESS OTHERWISE NOTED.
5. CURRENT DRAW BASED ON 120VAC CIRCUITS AT SECONDARY SIDE OF ISOLATION TRANSFORMER. TRANSFORMER TO BE SIZED BY PROJECT ELECTRICAL ENGINEER.
6. CURRENT DRAW AND HEAT LOAD FOR EACH SYSTEM SHOWN REPRESENT AVERAGE LOADS FOR SOUND SYSTEMS IN OPERATION WITH PROGRAM MATERIAL AT TYPICAL MAXIMUM LEVEL OPERATION.
7. OUTBOARD PLUG-IN POWER SEQUENCING SYSTEM CONTROLLER AND ASSOCIATED REMOTED LOW-VOLTAGE SWITCH SETS (WALL AND RACK MOUNTED) FURNISHED AND INSTALLED BY DIV. 274115 AV INSTALLER.



ADVISORY AUDIOVISUAL DATA DROP REQUIREMENTS

DEVICE / LOCATION	QTY. AV-NET DATA CIRCUITS	QTY. ETHERNET DATA CIRCUITS	DESCRIPTION
1	2	0	DIV. 274115: PROVIDE AND TERMINATE 2EA. AV-NET DATA JACKS. TECHNOLOGY: N/A.
2	2	0	DIV. 274115: PROVIDE AND TERMINATE 2EA. AV-NET DATA JACKS. TECHNOLOGY: N/A.
3	2	0	DIV. 274115: PROVIDE AND TERMINATE 2EA. AV-NET DATA JACKS. TECHNOLOGY: N/A.
AL	2	0	DIV. 274115: PROVIDE AND TERMINATE 2EA. CONNECTORIZED AV-NET DATA CABLES. TECHNOLOGY: N/A.
AP	1	0	DIV. 274115: PROVIDE AND TERMINATE 1EA. CONNECTORIZED AV-NET DATA CABLE. TECHNOLOGY: N/A.
CA	1	0	DIV. 274115: PROVIDE AND TERMINATE 1EA. CONNECTORIZED AV-NET DATA CABLE. TECHNOLOGY: N/A.
EX CX	1	0	DIV. 274115: PROVIDE AND TERMINATE 1EA. CONNECTORIZED AV-NET DATA CABLE. TECHNOLOGY: N/A.
CX	1	0	DIV. 274115: PROVIDE AND TERMINATE 1EA. CONNECTORIZED AV-NET DATA CABLE. TECHNOLOGY: N/A.
FB1	4	0	DIV. 274115: PROVIDE AND TERMINATE 2EA. AV-NET DATA JACKS. PROVIDE 2EA. LIGHTING DATA JACKS - COORDINATE WITH USERS FOR TERMINATION LOCATION. TECHNOLOGY: N/A.
S1	1	0	DIV. 274115: PROVIDE AND TERMINATE 1EA. AV-NET DATA JACK. TECHNOLOGY: N/A.
A TV	1	0	DIV. 274115: PROVIDE AND TERMINATE 1EA. CONNECTORIZED AV-NET DATA CABLE. TECHNOLOGY: N/A.
B TV	1	0	DIV. 274115: PROVIDE AND TERMINATE 1EA. CONNECTORIZED AV-NET DATA CABLE. TECHNOLOGY: N/A.
C TV	1	0	DIV. 274115: PROVIDE AND TERMINATE 1EA. CONNECTORIZED AV-NET DATA CABLE. TECHNOLOGY: N/A.
D TV	1	0	DIV. 274115: PROVIDE AND TERMINATE 1EA. CONNECTORIZED AV-NET DATA CABLE. TECHNOLOGY: N/A.
VP	1	0	DIV. 274115: PROVIDE AND TERMINATE 1EA. CONNECTORIZED AV-NET DATA CABLE. TECHNOLOGY: N/A.
WC	1	0	DIV. 274115: PROVIDE AND TERMINATE 1EA. CONNECTORIZED AV-NET DATA CABLE. TECHNOLOGY: N/A.
ER	*	0	DIV. 274115: TERMINATE REMOTE AV-NET DATA CONNECTIONS AT AV RACK NETWORK SWITCH AND OTHER LOCAL EQUIPMENT AS SHOWN IN ONELINE DIAGRAM. TECHNOLOGY: N/A.
AR	*	0	DIV. 274115: TERMINATE REMOTE AV-NET DATA CONNECTIONS AT AV RACK NETWORK SWITCH AND OTHER LOCAL EQUIPMENT AS SHOWN IN ONELINE DIAGRAM. TECHNOLOGY: N/A.
SR	*	0	DIV. 274115: TERMINATE REMOTE AV-NET DATA CONNECTIONS AT AV RACK NETWORK SWITCH AND OTHER LOCAL EQUIPMENT AS SHOWN IN ONELINE DIAGRAM. TECHNOLOGY: N/A.

NOTES:

* : SEE AV ONELINE DIAGRAMS FOR QUANTITIES OF EACH CIRCUIT TYPE TERMINATING AT EACH EQUIPMENT LOCATION.

ETHERNET: COMMON BUILDING DATA NETWORK. PROVIDED AND INSTALLED BY TECHNOLOGY/DATA VENDOR.

AV-NET : DEDICATED DATA NETWORK FOR AV STREAMING DATA. PROVIDED AND INSTALLED BY DIV. 274115.

1. IN CONTEXT OF THE AUDIOVISUAL DOCUMENTS, THE BUILDING DATA "ETHERNET" NETWORK IS USED BY AV SYSTEMS FOR INTRANET AND INTERNET DATA ACCESS (WHERE REQUIRED, APPROPRIATE, AND/OR PERMITTED BY THE OWNER), AND IS SEPARATE AND DISTINCT FROM THE "AV-NET" DEDICATED AV NETWORK PROVIDED AND INSTALLED BY DIV. 274115 FOR USE IN DISTRIBUTION OF DIGITAL AUDIO, AUDIOVISUAL, AND CONTROL SIGNALS (AS DETAILED IN THE AUDIOVISUAL CONTRACT DOCUMENTS). THE INSTALLATION AND IMPLEMENTATION OF THE BUILDING DATA "ETHERNET" NETWORK IS BEYOND DIV. 274115 SCOPE AND IS PROVIDED BY THE PROJECT TECHNOLOGY/DATA VENDOR UNDER SEPARATE SPECIFICATION. DIV. 274115 SHALL COORDINATE WITH FACILITY IT STAFF FOR CONFIGURATION AND ACCESS PARAMETERS.
2. ALL DATA CABLING SHOWN TO BE PROVIDED BY DIV. 274115 AUDIOVISUAL CONTRACTOR UNLESS EXPLICITLY NOTED OTHERWISE.
3. WHERE DATA CABLING IS NOTED TO BE PROVIDED BY DATACOMM/TECHNOLOGY VENDOR, COORDINATE AS REQUIRED.
4. ALL COPPER DATA CABLING AND CONNECTORS SHALL BE CAT6A RATED.
5. AV CONTRACTOR SHALL VERIFY ALL ETHERNET-BASED DEVICES ASSOCIATED WITH AUDIOVISUAL SYSTEMS ARE WITHIN ETHERNET DISTANCE LIMITATIONS FOR THE FULL LENGTH OF EACH CABLE RUN, TO INCLUDE PATCH CABLE LENGTHS. COORDINATE WITH ELECTRICAL INSTALLER REGARDING PATHWAY AND CABLE ROUTING FOR MOST DIRECT ROUTE FROM DEVICE TO TERMINATION POINT.
6. REFER TO AUDIOVISUAL INFRASTRUCTURE DRAWINGS IN THIS DRAWING SET FOR ALL DEVICE LOCATIONS.
7. REFER TO DATA ADVISORIES FOR TECHNOLOGY/DATA VENDOR-SUPPLIED BUILDING LAN OUTLETS ASSOCIATED WITH AUDIOVISUAL DEVICE PLATES / LOCATIONS.

ELECTRICAL & CONDUIT INSTALLATION NOTES

1. ALL 120VAC POWER CONDUCTORS, POWER DISTRIBUTION PANELS, JUNCTION BOXES, TERMINAL PANELS, CONDUITS, WIREWAYS, POWER RECEPTACLES AND ALL OTHER DEVICES ASSOCIATED WITH 120VAC POWER CIRCUITS SHALL BE FURNISHED, INSTALLED AND TERMINATED UNDER DIVISION 26 UNLESS OTHERWISE NOTED.
2. ALL CONDUIT SHOWN IS FOR AUDIO/VISUAL AND SOUND REINFORCEMENT SYSTEMS AND IS NOT RELATED TO ANY CONDUIT FOR AC POWER.
3. ALL CONDUIT IS 3/4" EMT UNLESS OTHERWISE NOTED.
4. ALL CONDUIT CONNECTIONS SHALL BE FURNISHED WITH NYLON BUSHINGS TO PREVENT DAMAGE TO CABLES FROM BURRED OR UNEVENLY CUT CONDUIT.
5. USE INSULATED BUSHINGS TO CONNECT CONDUIT TO EQUIPMENT RACKS, TO INSULATE CONDUIT GROUND FROM EQUIPMENT RACK GROUND SYSTEM.
6. KEEP 90° BENDS TO A MINIMUM. THE CONDUIT SYSTEM SHALL NOT HAVE MORE THAN THREE 90° BENDS OR THEIR EQUIVALENT BETWEEN PULL BOXES.
7. ALL PULL BOXES AND OUTLET BOXES SHALL BE AT LEAST 3-1/2" DEEP.
8. ALL CONDUIT RUNS IN EXCESS OF 100 FEET SHALL HAVE INTERMEDIATE JUNCTION BOXES EVERY 100 FEET OR THREE BENDS, WHICHEVER COMES FIRST.
9. ALL AUDIO/VISUAL SYSTEM RELATED JUNCTION BOXES SHALL REMAIN ACCESSIBLE AT ALL TIMES.
10. INSTALL NYLON PULL STRINGS IN ALL EMPTY CONDUITS.
11. CAULK OR OTHERWISE SEAL ALL PENETRATIONS THROUGH ACOUSTICAL PARTITIONS AND BARRIERS.
12. ALL PENETRATIONS THROUGH FIRE-RATED WALLS AND ASSEMBLIES SHALL BE SEALED WITH FIRESTOP MATERIAL PER APPLICABLE CODE. REFER TO DIVISION 7.
13. ELECTRICAL CONTRACTOR SHALL REFER TO ELECTRICAL DRAWINGS FOR ALL 120VAC CONDUIT SIZING.
14. ELECTRICAL CONTRACTOR SHALL REFER TO OTHER DRAWINGS FOR NON-AUDIO/VISUAL SYSTEM RELATED ELECTRICAL INFORMATION FOR THESE AREAS. AUDIO/VISUAL SYSTEM DRAWINGS DO NOT CONTAIN ALL ROOM ELECTRICAL REQUIREMENTS.
15. THE ELECTRICAL CONTRACTOR SHALL INSTALL AND WIRE ALL HIGH VOLTAGE DEVICES.
16. ALL POWER CIRCUITS SHALL BE 120VAC, 20 AMP DEDICATED CIRCUITS UNLESS OTHERWISE NOTED.
17. ELECTRICAL CONTRACTOR SHALL LABEL ALL CIRCUIT BREAKER POSITIONS IN ALL BREAKER PANELS.
18. INSTALL SEPARATE DEDICATED NEUTRAL CONDUCTOR FROM POWER DISTRIBUTION PANEL FOR EACH INDIVIDUAL CIRCUIT.
19. ALLOW MINIMUM 20% SPARE BREAKERS FOR EACH POWER DISTRIBUTION PANEL.
20. 120VAC POWER TO THE EQUIPMENT RACKS SHALL BE TERMINATED INSIDE THE RACKS BY DIV. 26 TO AUDIO/VISUAL SYSTEM SUBCONTRACTOR-SUPPLIED RACEWAY OUTLETS.
21. CLEARLY LABEL BREAKER PANEL DOOR "AUDIO/VISUAL SYSTEM EQUIPMENT ONLY".
22. INTEGRATED RECESSED LOUDSPEAKER ASSEMBLIES SHALL BE FURNISHED AND INSTALLED BY THE AUDIO/VISUAL SYSTEMS CONTRACTOR. SHOULD SUBSTITUTE EQUIPMENT BE PROVIDED BY THE AV CONTRACTOR THAT REQUIRE THE USE OF DEDICATED SEPARATE LOUDSPEAKER BACK-CANS, THE AV CONTRACTOR SHALL SUPPLY SUCH DEVICES TO DIV. 26 FOR INSTALLATION.
23. ALL COMMON ENCLOSURES AND JUNCTION BOXES ASSOCIATED WITH AUDIOVISUAL SCOPES OF WORK, AS CALLED OUT IN THE AUDIOVISUAL DEVICE LEGEND, SHALL BE PROVIDED AND INSTALLED BY DIV. 26, UNLESS EXPLICITLY NOTED OTHERWISE.
24. SPECIALTY ENCLOSURES AND INFRASTRUCTURE DEVICES ASSOCIATED WITH AUDIOVISUAL SCOPES OF WORK, AS CALLED OUT IN THE AUDIOVISUAL DEVICE LEGEND AND EXPLICITLY SPECIFIED IN SECTION 270534, SHALL BE PROVIDED BY DIV. 270534 TO DIV. 26 FOR INSTALLATION.
25. REFER TO "RELATED WORK IN OTHER SECTIONS" IN AUDIO/VISUAL SYSTEM SPECIFICATION SECTIONS FOR ADDITIONAL INFORMATION.
26. CONDUIT SHALL BE REQUIRED BETWEEN ANY AND ALL LOUDSPEAKERS. WHERE PLENUM-RATED LOUDSPEAKER CABLE IS ALLOWED BY CODE, THIS CONSULTANT WILL CONSIDER SUBSTITUTION REQUESTS SUBMITTED FORMALLY BY THE CONSTRUCTION TEAM. APPROVAL OF WHICH IS SUBJECT TO THE BEST INTERESTS OF THE PROJECT.
27. WIRE NOT INSTALLED IN EQUIPMENT RACKS, NOT PORTABLE, OR NOT INSTALLED IN CONDUIT SHALL BE FIRE-RATED AND MEET ALL APPLICABLE CODES.

AUDIOVISUAL SHEET LIST

NUMBER	NAME
AV0.01	AV Coordination Advisories
AV0.02	Audiovisual Device Legend and Conduit Riser
AV0.03	Audiovisual Details
AV0.04	Audiovisual Details
AV1.0G	Orchestra Pit Audiovisual Floor Plan - Zone 'G'
AV1.1G	First Level Audiovisual Floor Plan - Zone 'G'
AV1.2G	Second Level Audiovisual Floor Plan - Zone 'G'
AV2.1G	First Level Audiovisual Reflected Ceiling Plan - Zone 'G'
AV2.2G	Second Level Audiovisual Reflected Ceiling Plan - Zone 'G'
AV3.1	Audiovisual Building Sections
AV3.2	Audiovisual Building Sections
AV3.10	Enlarged Audiovisual Views
AV4.1	Audiovisual Connector Legend and System Notes
AV4.2	Audiovisual Plate Details
AV4.3	Audiovisual Plate Details
AV4.4	Audiovisual Plate Details
AV4.5	Audiovisual Plate Details
AV5.1	Audiovisual Rack Elevations
AV6.1	Audiovisual Oneline Diagram
AV6.2	Audiovisual Oneline Diagram
AV6.3	Audiovisual Oneline Diagram
AV6.4	Audiovisual Oneline Diagram
AV6.5	Audiovisual Oneline Diagram
AV6.6	Audiovisual Oneline Diagram
AV6.7	Audiovisual Oneline Diagram
AV6.8	Audiovisual Oneline Diagram
AV6.9	Audiovisual Oneline Diagram

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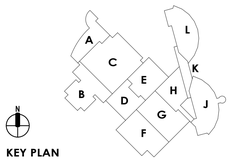
PROJECT TITLE

Dexter High School Fitness/Entry Addition

Dexter Community Schools
Dexter, MI

DRAWING TITLE

AV Coordination Advisories



KEY PLAN

ISSUE DATES

DATE:	ISSUED FOR:
03.09.2026	D.R. 1 - CONSTRUCTION DOCUMENTS

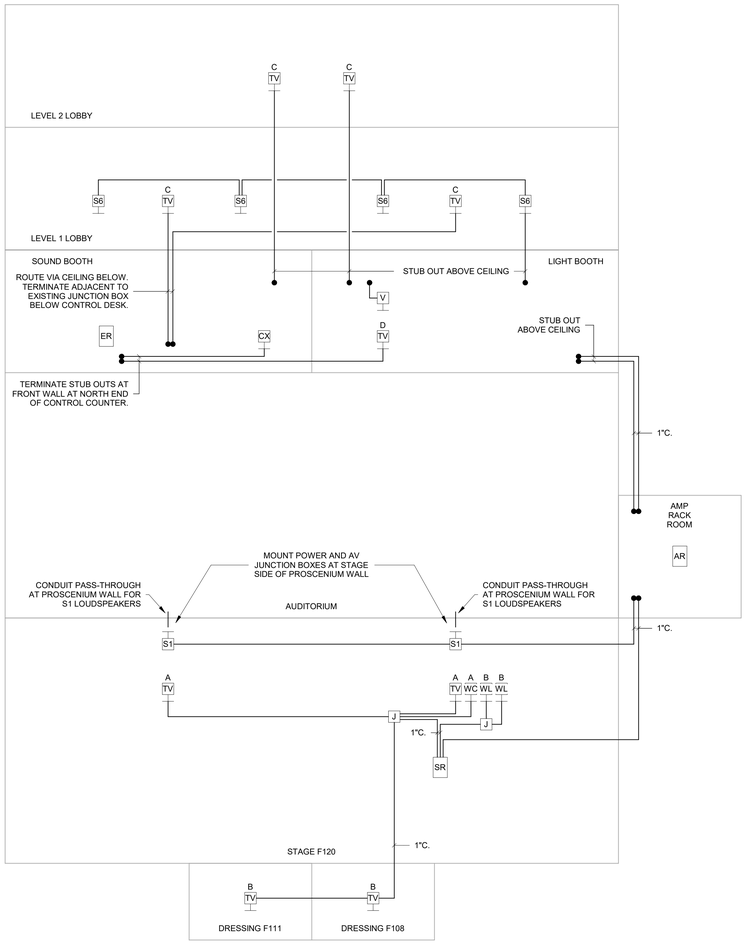
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PROJECT NO.
25026D

DRAWING NO.
AV0.01

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AUDIOVISUAL CONDUIT RISER DIAGRAM



CONDUIT NOTES

1. RE-USE EXISTING CONDUITS AT EXISTING DEVICE LOCATIONS.
2. INSTALLER SHALL FIELD-VERIFY EXISTING CONDUIT PATHWAYS AND ADVISE ARCHITECT AND CONSULTANT OF DISCREPANCIES WHICH IMPACT SYSTEM CONNECTIVITY.
3. ALL NEW CONDUIT IS EMT UNLESS OTHERWISE NOTED. ONLY NEW CONDUITS ARE SHOWN IN THIS RISER DIAGRAM.
4. CONDUIT SIZE IS 3/4" UNLESS OTHERWISE NOTED.
5. CONDUIT SHOWN IS ASSOCIATED WITH LOW-VOLTAGE AUDIOVISUAL SYSTEM CABLING ONLY. CONDUIT REQUIREMENTS FOR POWER ASSOCIATED WITH AV DEVICE LOCATIONS SHALL BE DETERMINED, SIZED, AND FURNISHED BY THE ELECTRICAL CONTRACTOR.
6. CONDUIT STUBBED INTO ACCESSIBLE CEILING SPACE. OPEN CEILING AT RACK ROOM OR OTHER TECHNICAL SPACE (NON PUBLIC CIRCULATION AREA), OR EXPOSED AS NOTED.
7. FIELD-COORDINATE ALL CONDUIT ROUTING. MINIMIZE ANY EXPOSED CONDUIT. VERIFY ROUTING OF ANY EXPOSED CONDUIT WITH ARCH. PRIOR TO INSTALLATION.
8. COORDINATION REQUIRED BETWEEN ELECTRICAL AND AUDIOVISUAL REGARDING WALL/FLOOR PENETRATIONS OR CORES ASSOCIATED WITH AUDIOVISUAL SYSTEM DEVICES. ALL PENETRATIONS IN ACOUSTICALLY SENSITIVE AREAS TO BE SEALED WITH RESILIENT CAULK. PROVIDE FIRE-RATED SEALANT AS/WHERE REQUIRED BY SUPERSEDING CODE.
9. CONFORM TO ALL PROJECT REQUIREMENTS AND ALL LOCAL, OR OTHERWISE SUPERSEDING, CODES PERTAINING TO ACCEPTABLE AND/OR APPROVED MATERIALS FOR CONDUITS AND PATHWAYS INSTALLED BELOW GRADE. TO INCLUDE ACCESSORIES REQUIRED FOR MOUNTING, COUPLING, AND OTHERWISE REQUIRED FOR A COMPLETE PATHWAY SYSTEM.

AUDIOVISUAL DEVICE LEGEND

DEVICE TYPE	DESCRIPTION	SEE ADVISORY POWER RISER	SEE ADVISORY DATA SCHEDULE
1	ENCLOSURE: EXISTING SURFACE-MOUNTED ENCLOSURE. FIELD-VERIFY ENCLOSURE DIMENSIONS. FIELD-VERIFY EXACT LOCATIONS. MOUNTING: EXISTING AT DOWNSTAGE WALLS. PANEL: REPLACE EXISTING WITH NEW. PLATE DIMENSIONS SHALL MATCH PERIMETER DIMENSIONS OF ENCLOSURE, WITH NO PROTRUDING EDGES. RE: DETAILS. DEVICE(S): DOWNSTAGE INPUT / OUTPUT PLATES.		X
2	ENCLOSURE: EXISTING SURFACE-MOUNTED ENCLOSURE. FIELD-VERIFY ENCLOSURE DIMENSIONS. FIELD-VERIFY EXACT LOCATIONS. MOUNTING: EXISTING AT UPSTAGE WALLS. PANEL: REPLACE EXISTING WITH NEW. PLATE DIMENSIONS SHALL MATCH PERIMETER DIMENSIONS OF ENCLOSURE, WITH NO PROTRUDING EDGES. RE: DETAILS. DEVICE(S): UPSTAGE INPUT / OUTPUT PLATES.		X
3	ENCLOSURE: EXISTING SURFACE-MOUNTED ENCLOSURE. FIELD-VERIFY ENCLOSURE DIMENSIONS. FIELD-VERIFY EXACT LOCATIONS. MOUNTING: EXISTING AT ORCHESTRA PIT. PANEL: REPLACE EXISTING WITH NEW. PLATE DIMENSIONS SHALL MATCH PERIMETER DIMENSIONS OF ENCLOSURE, WITH NO PROTRUDING EDGES. RE: DETAILS. DEVICE(S): ORCHESTRA PIT INPUT / OUTPUT PLATES.		X
4	ENCLOSURE: EXISTING SURFACE-MOUNTED ENCLOSURE. FIELD-VERIFY ENCLOSURE DIMENSIONS. FIELD-VERIFY EXACT LOCATIONS. MOUNTING: EXISTING AT CATWALK. PANEL: REPLACE EXISTING WITH NEW. PLATE DIMENSIONS SHALL MATCH PERIMETER DIMENSIONS OF ENCLOSURE, WITH NO PROTRUDING EDGES. RE: DETAILS. DEVICE(S): CATWALK INPUT / OUTPUT PLATE.		
AL	ENCLOSURE: N/A. MOUNTING: MOUNT TO WALL ABOVE CONTROL BOOTH WINDOWS. PROVIDE WALL PENETRATION FOR CABLING ABOVE CONTROL BOOTH CEILING. PANEL: MANUFACTURER'S MOUNTING ADAPTOR BRACKET. DEVICE(S): ASSISTIVE LISTENING TRANSMITTING ANTENNA.		X
AP	ENCLOSURE: N/A. MOUNTING: MOUNT TO WALL ABOVE CONTROL BOOTH WINDOWS. PROVIDE WALL PENETRATION FOR CABLING ABOVE CONTROL BOOTH CEILING. PANEL: MANUFACTURER'S MOUNTING ADAPTOR BRACKET. DEVICE(S): DEDICATED AV SYSTEM WIRELESS ACCESS POINT.		X
CA	ENCLOSURE: N/A. MOUNTING: MOUNT TO WALL ABOVE CONTROL BOOTH WINDOWS. PROVIDE WALL PENETRATION FOR CABLING ABOVE CONTROL BOOTH CEILING. PANEL: MANUFACTURER'S MOUNTING ADAPTOR BRACKET. DEVICE(S): PTZ VIDEO CAMERA.		X
EX CX	ENCLOSURE: EXISTING. FIELD-VERIFY EXACT LOCATIONS. MOUNTING: EXISTING. PANEL: MANUFACTURER'S 2-GANG PLATE. DEVICE(S): EXISTING VIDEO ENCODER WALL PLATE WITH HDMI INPUT.		X
CX	ENCLOSURE: FSR, INC. SMWB-2G-BLK 2-GANG SURFACE MOUNT WALL BOX. MOUNTING: SURFACE MOUNT AT 4'-0" A.F.F. PANEL: MANUFACTURER'S 2-GANG PLATE. DEVICE(S): VIDEO ENCODER WALL PLATE WITH HDMI INPUT.		X
FB1	ENCLOSURE: EXISTING ACE BACKSTAGE SUPER POCKET FLOOR BOX. FIELD-VERIFY EXACT LOCATION. MOUNTING: EXISTING AT AUDITORIUM CROSS-AISLE FLOOR. PANEL: REPLACE EXISTING WITH NEW ACE BACKSTAGE #PNL-120, CONFIGURED AS SHOWN. PROVIDE BLANK ACE BACKSTAGE PANEL AT UNOCCUPIED HALF OF FLOOR BOX. RE: DETAILS. DEVICE(S): HOUSE CROSS-AISLE AV FLOOR BOX.	EXISTING	X
FB2	ENCLOSURE: EXISTING ACE BACKSTAGE FULL POCKET FLOOR BOX. FIELD-VERIFY EXACT LOCATIONS. MOUNTING: EXISTING AT AUDITORIUM STAGE FLOOR. PANEL: REPLACE EXISTING WITH NEW ACE BACKSTAGE #PNL-120, CONFIGURED AS SHOWN. RE: DETAILS. DEVICE(S): STAGE AV FLOOR BOX.		
1 IC	ENCLOSURE: EXISTING 1-GANG BOX. FIELD-VERIFY EXACT LOCATIONS. MOUNTING: EXISTING. PANEL: REPLACE EXISTING WITH NEW 1-GANG CUSTOM PLATE. RE: DETAILS. DEVICE(S): 2 X 6-PIN PRODUCTION INTERCOM JACKS.		
2 IC	ENCLOSURE: EXISTING 2-GANG BOX. FIELD-VERIFY EXACT LOCATIONS. MOUNTING: EXISTING. PANEL: REPLACE EXISTING WITH NEW 2-GANG CUSTOM PLATE. RE: DETAILS. DEVICE(S): 2 X 6-PIN PRODUCTION INTERCOM JACKS.		
J	ENCLOSURE: 12"X12"X4" NEMA TYPE 1 JUNCTION BOX WITH SCREW COVER. MOUNTING: FIELD-COORDINATE MOUNTING LOCATION. PANEL: SCREW COVER. DEVICE(S): CABLING JUNCTION BOX.		
S1	ENCLOSURE: CONDUIT PASS-THROUGH. MOUNTING: PENETRATE WALL AT 12'-4" ABOVE STAGE LEVEL. PANEL: N/A. PROVIDE CONDUIT BUSHINGS AT ALL CONDUIT ENDS. DEVICE(S): ACTIVE COLUMN ARRAY LOUDSPEAKERS. MOUNT WITH BOTTOM OF LOWER LOUDSPEAKER AT 12'-0" ABOVE STAGE FLOOR.	X	X
S2	ENCLOSURE: EXISTING. UTILIZE EXISTING PATHWAYS. MOUNTING: FIELD-VERIFY LOCATIONS OF EXISTING PATHWAYS. PANEL: N/A. DEVICE(S): SUSPENDED 8" DOWNFILL LOUDSPEAKER.		
S3	ENCLOSURE: N/A. MOUNTING: FLUSH MOUNT AT EXISTING WALL OPENINGS. MODIFY OPENING DIMENSIONS TO ACCOMMODATE NEW LOUDSPEAKER. PANEL: MANUFACTURER'S GRILLE. PAINT GRILLE AND FLANGE A COLOR SELECTED BY THE ARCHITECT. USE MANUFACTURER'S PAINT SHEILD AND PROTECT ALL LOUDSPEAKER COMPONENTS DURING PAINTING. DEVICE(S): FRONT FILL LOUDSPEAKERS.		
S4	ENCLOSURE: ELECTROVOICE EVID-C6.2-G2 LOUDSPEAKER ASSEMBLY. MOUNTING: RECESS IN CEILING. PANEL: MANUFACTURER'S GRILLE. DEVICE(S): ELECTROVOICE EVID-C6.2-G2 6.5" 70V CEILING LOUDSPEAKER ASSEMBLY.		
S5	ENCLOSURE: EXISTING. FIELD-VERIFY EXACT LOCATIONS. MOUNTING: EXISTING. PANEL: PROVIDE COVER PLATE WITH GROMMET PASS-THROUGH. FIELD-VERIFY PLATE SIZE REQUIRED. DEVICE(S): SURFACE MOUNTED 8" 70V LOUDSPEAKER WITH WALL MOUNT.		
S6	ENCLOSURE: N/A. FREE-RUN CABLE AT ACCESSIBLE CEILING. MOUNTING: SURFACE MOUNT TIGHT TO CEILING. PANEL: N/A. DEVICE(S): SURFACE MOUNTED 8" 70V LOUDSPEAKER WITH WALL MOUNT.		
SB	ENCLOSURE: EXISTING. UTILIZE EXISTING PATHWAYS. MOUNTING: EXISTING. PANEL: N/A. DEVICE(S): SUSPENDED DUAL 15" SUBWOOFER		
SCREEN	ENCLOSURE: EXISTING. MOUNTING: EXISTING. PANEL: N/A. DEVICE(S): EXISTING ONSTAGE MOTORIZED PROJECTION SCREEN.	EXISTING	
A TV	ENCLOSURE: RACO 650 SHALLOW 1-GANG WALL BOX. MOUNT IN HORIZONTAL ORIENTATION. MOUNTING: SURFACE MOUNT AT 9'-4" A.F.F. PANEL: FSR, INC. SS-BRSH-BLK BRUSH PASS-THROUGH MODULE. PROVIDE MATCHING 1-GANG DECORA COVER PLATE. DEVICE(S): 55" FLAT PANEL DISPLAY WITH ARTICULATING WALL MOUNT AT STAGE. MOUNT WITH DISPLAY CENTERED AT 6'-0" A.F.F.	X	X
B TV	ENCLOSURE: RACO 650 SHALLOW 1-GANG WALL BOX. MOUNT IN HORIZONTAL ORIENTATION. MOUNTING: SURFACE MOUNT AT 8'-0" A.F.F. PANEL: FSR, INC. SS-BRSH-BLK BRUSH PASS-THROUGH MODULE. PROVIDE MATCHING 1-GANG DECORA COVER PLATE. DEVICE(S): 43" FLAT PANEL DISPLAY WITH TILT WALL MOUNT AT DRESSING ROOMS. MOUNT WITH DISPLAY CENTERED AT 7'-0" A.F.F.	X	X
C TV	ENCLOSURE: RACO 650 SHALLOW 1-GANG WALL BOX. MOUNT IN HORIZONTAL ORIENTATION. MOUNTING: SURFACE MOUNT AT 7'-6" A.F.F. PANEL: FSR, INC. SS-BRSH-BLK BRUSH PASS-THROUGH MODULE. PROVIDE MATCHING 1-GANG DECORA COVER PLATE. DEVICE(S): 75" FLAT PANEL DISPLAY WITH TILT WALL MOUNT AT LOBBIES. MOUNT WITH DISPLAY CENTERED AT 6'-0" A.F.F.	X	X
D TV	ENCLOSURE: FSR, INC. SMWB-1G-BLK 1-GANG SURFACE MOUNT WALL BOX. MOUNTING: SURFACE MOUNT AT 4'-0" A.F.F. PANEL: FSR, INC. SS-BRSH-BLK BRUSH PASS-THROUGH MODULE. PROVIDE MATCHING 1-GANG DECORA COVER PLATE. DEVICE(S): DESK-MOUNTED 32" FLAT PANEL DISPLAY AT LIGHT BOOTH.	X	X
EX V	ENCLOSURE: EXISTING 2-GANG BOX. FIELD-VERIFY EXACT LOCATIONS. MOUNTING: EXISTING. PANEL: 2-GANG MANUFACTURER PLATE. REPLACE OLD WITH NEW VOLUME CONTROL. DEVICE(S): VOLUME CONTROL (2-GANG).		
V	ENCLOSURE: FSR, INC. SMWB-1G-BLK 1-GANG SURFACE MOUNT WALL BOX. MOUNTING: SURFACE MOUNT AT 4'-0" A.F.F. PANEL: 1-GANG MANUFACTURER PLATE. DEVICE(S): VOLUME CONTROL (1-GANG).		
VP	ENCLOSURE: EXISTING. MOUNTING: EXISTING. PANEL: EXISTING. DEVICE(S): EXISTING WALL-MOUNTED VIDEO PROJECTOR.	EXISTING	X
A WC	ENCLOSURE: FSR, INC. SMWB-2G-BLK 2-GANG SURFACE MOUNT WALL BOX. MOUNTING: SURFACE MOUNT AT 10'-0" A.F.F. PANEL: 2-GANG CUSTOM PLATE. RE: DETAILS. PROVIDE ATLAS SOUND AD-11BE MIC FLANGE (BLACK), AD-7B EXTENSION TUBE (FIELD-PAINT BLACK). DEVICE(S): WIRELESS INTERCOM TRANSCEIVER ANTENNA.		X
B WC	ENCLOSURE: N/A. MOUNTING: SURFACE MOUNT AT 13'-10" ABOVE SECOND LEVEL. PANEL: ATLAS SOUND AD-11BE MIC FLANGE (BLACK), AD-7B EXTENSION TUBE (FIELD-PAINT BLACK). DEVICE(S): WIRELESS INTERCOM TRANSCEIVER ANTENNA.		X
A WL	ENCLOSURE: N/A. MOUNTING: SURFACE MOUNT AT 12'-6" A.F.F. PANEL: ATLAS SOUND AD-11BE MIC FLANGE (BLACK), AD-7B EXTENSION TUBE (FIELD-PAINT BLACK) AND AD14BE RIGHT-ANGLE EXTENSION TUBE (BLACK). DEVICE(S): ACTIVE DIRECTIONAL WIRELESS MICROPHONE ANTENNA.		
B WL	ENCLOSURE: FSR, INC. SMWB-2G-BLK 2-GANG SURFACE MOUNT WALL BOX. MOUNTING: SURFACE MOUNT AT 10'-0" A.F.F. PANEL: 2-GANG CUSTOM PLATE. DEVICE(S): PASSIVE 1/2-WAVE OMNI-DIRECTIONAL WIRELESS MICROPHONE ANTENNA.		
ER	ENCLOSURE: EXISTING FLOOR-MOUNTED EQUIPMENT RACK. FIELD-VERIFY EXACT LOCATIONS. MOUNTING: FLOOR - EXISTING. PANEL: STANDARD 19" RACK PANEL EQUIPMENT, BY DIV. 274115. PROVIDE BLANK PANELS FOR ALL UNPOPULATED RACK SPACES. DEVICE(S): MAIN AUDIOVISUAL EQUIPMENT RACK.	EXISTING	X
AR	ENCLOSURE: EXISTING FLOOR-MOUNTED EQUIPMENT RACK. FIELD-VERIFY EXACT LOCATIONS. MOUNTING: FLOOR - EXISTING. PANEL: STANDARD 19" RACK PANEL EQUIPMENT, BY DIV. 274115. PROVIDE BLANK PANELS FOR ALL UNPOPULATED RACK SPACES. DEVICE(S): AMPLIFIER RACK.	EXISTING	X
SR	ENCLOSURE: EXISTING FLOOR-MOUNTED EQUIPMENT RACK. FIELD-VERIFY EXACT LOCATIONS. MOUNTING: FLOOR - EXISTING. PANEL: STANDARD 19" RACK PANEL EQUIPMENT, BY DIV. 274115. PROVIDE BLANK PANELS FOR ALL UNPOPULATED RACK SPACES. DEVICE(S): STAGE EQUIPMENT RACK.	EXISTING	X
DR	ENCLOSURE: DESK-MOUNTED EQUIPMENT RACK. MOUNTING: DESKTOP. PANEL: STANDARD 19" RACK PANEL EQUIPMENT, BY DIV. 274115. PROVIDE BLANK PANELS FOR ALL UNPOPULATED RACK SPACES. DEVICE(S): DESKTOP EQUIPMENT RACK. RE: SECTION 274115 FOR MODEL / SIZE AND CONFIGURATION OPTIONS REQUIRED.	EXISTING	
	CONDUIT STUBBED INTO ACCESSIBLE CEILING SPACE.		

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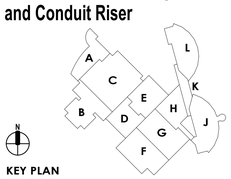
PROJECT TITLE

Dexter High School Fitness/Entry Addition

Dexter Community Schools
Dexter, MI

DRAWING TITLE

Audiovisual Device Legend and Conduit Riser



KEY PLAN

ISSUE DATES

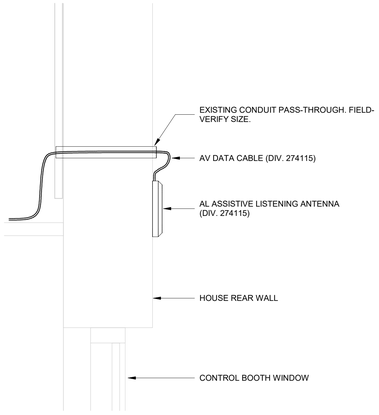
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APPROVED

PROJECT NO.
25026D

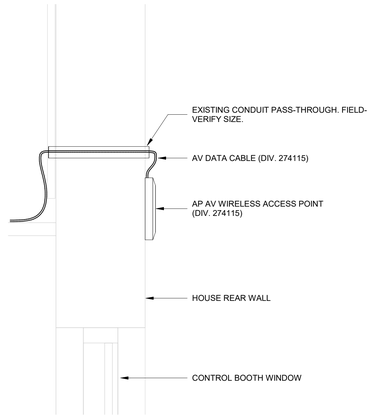
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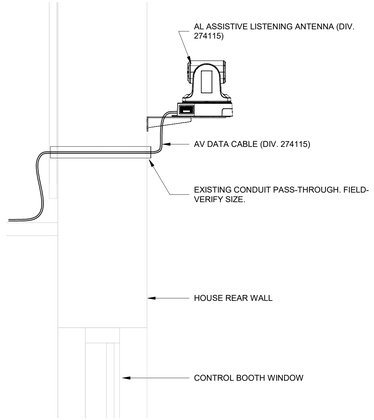
1 DETAIL - TYPE AL ASSISTIVE LISTENING ANTENNA

SCALE: 1 1/2" = 1'-0"



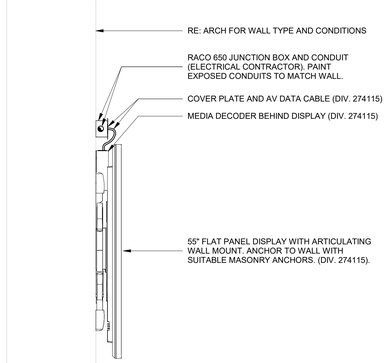
2 DETAIL - TYPE AP AV ACCESS POINT

SCALE: 1 1/2" = 1'-0"



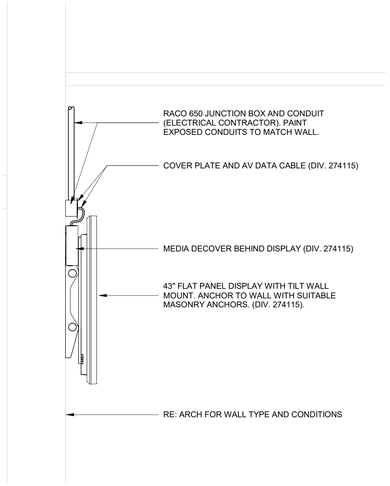
3 DETAIL - TYPE CA VIDEO CAMERA

SCALE: 1 1/2" = 1'-0"



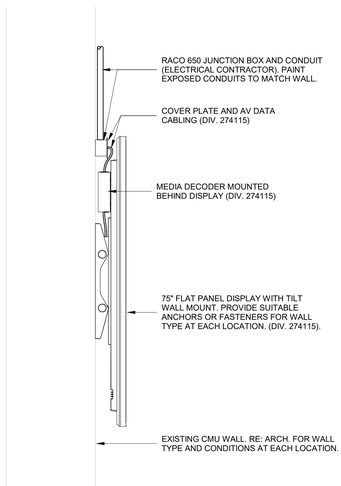
4 DETAIL - TYPE TV-A DISPLAY

SCALE: 1 1/2" = 1'-0"



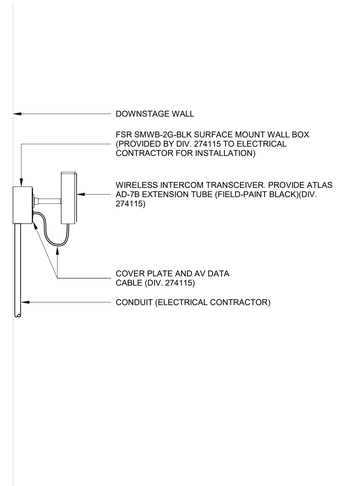
5 DETAIL - TYPE TV-B DISPLAY

SCALE: 1 1/2" = 1'-0"



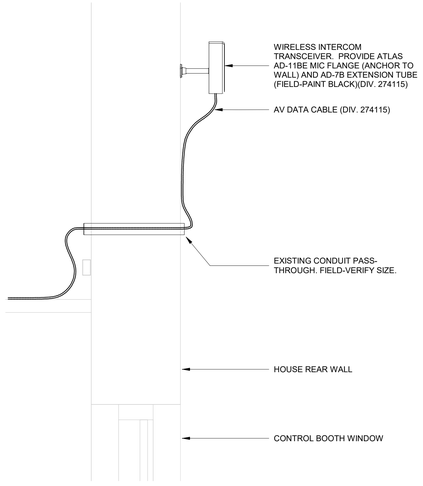
6 DETAIL - TYPE TV-C DISPLAY

SCALE: 1 1/2" = 1'-0"



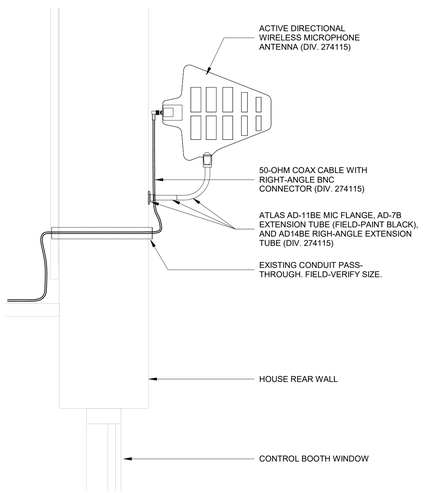
7 DETAIL - TYPE WC-A WIRELESS INTERCOM ANTENNA

SCALE: 1 1/2" = 1'-0"



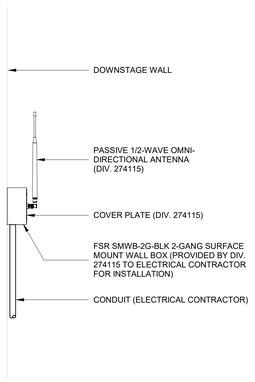
8 DETAIL - TYPE WC-B WIRELESS INTERCOM ANTENNA

SCALE: 1 1/2" = 1'-0"



9 DETAIL - TYPE WL-A WIRELESS MIC ANTENNA

SCALE: 1 1/2" = 1'-0"



10 DETAIL - TYPE WL-B WIRELESS MIC ANTENNA

SCALE: 1 1/2" = 1'-0"

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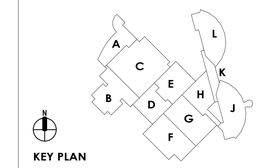
PROJECT TITLE

Dexter High School Fitness/Entry Addition

Dexter Community Schools
Dexter, MI

DRAWING TITLE

Audiovisual Details



KEY PLAN

ISSUE DATES

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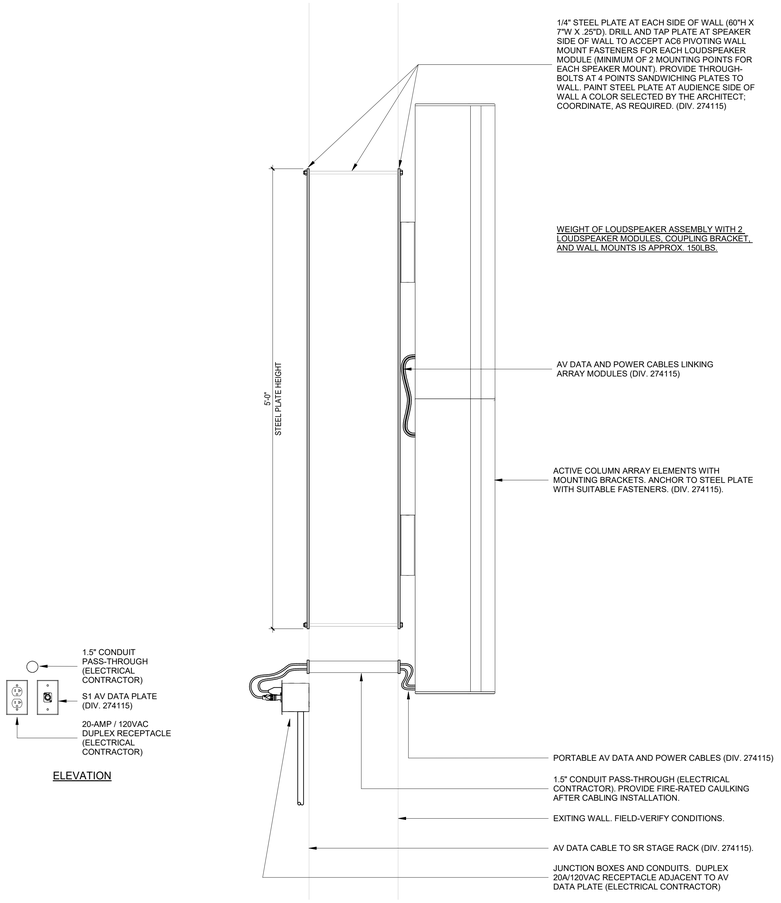
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25026D

DRAWING NO.

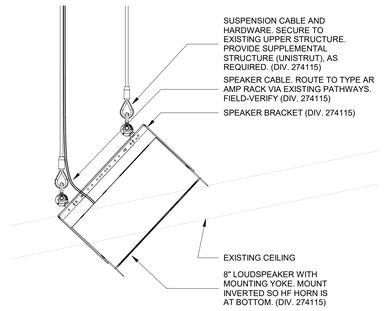
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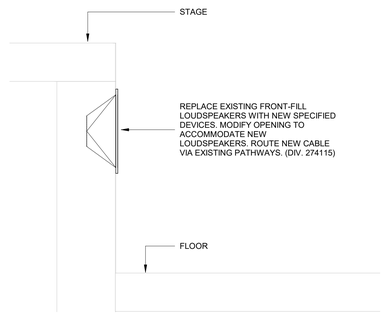
1 DETAIL - TYPE S1 LOUDSPEAKER

SCALE: 1 1/2" = 1'-0"



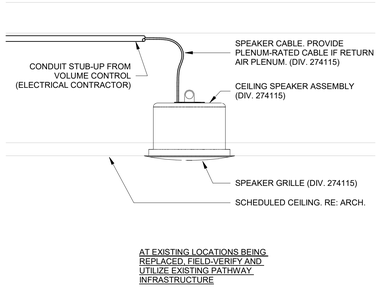
2 DETAIL - TYPE S2 LOUDSPEAKER

SCALE: 1 1/2" = 1'-0"



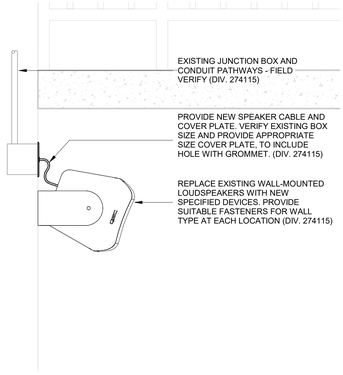
3 DETAIL - TYPE S3 LOUDSPEAKER

SCALE: 1 1/2" = 1'-0"



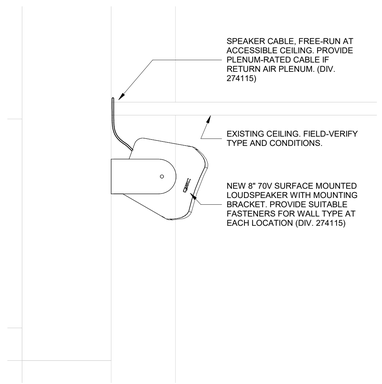
4 DETAIL - TYPE S4 LOUDSPEAKER

SCALE: 1 1/2" = 1'-0"



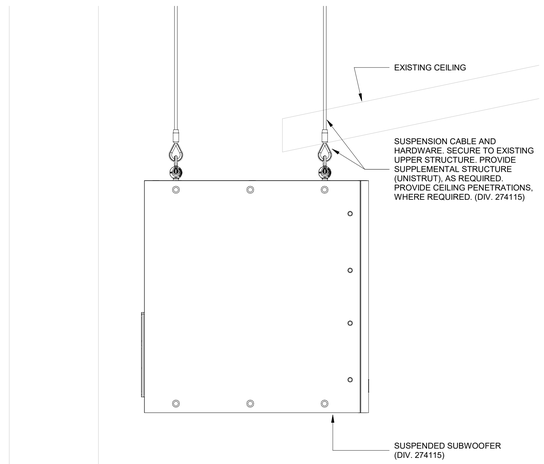
5 DETAIL - TYPE S5 LOUDSPEAKER

SCALE: 1 1/2" = 1'-0"



6 DETAIL - TYPE S6 LOUDSPEAKER

SCALE: 1 1/2" = 1'-0"



7 DETAIL - TYPE SB SUBWOOFER

SCALE: 1 1/2" = 1'-0"

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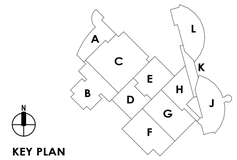
PROJECT TITLE

Dexter High School Fitness/Entry Addition

Dexter Community Schools
Dexter, MI

DRAWING TITLE

Audiovisual Details



KEY PLAN

ISSUE DATES

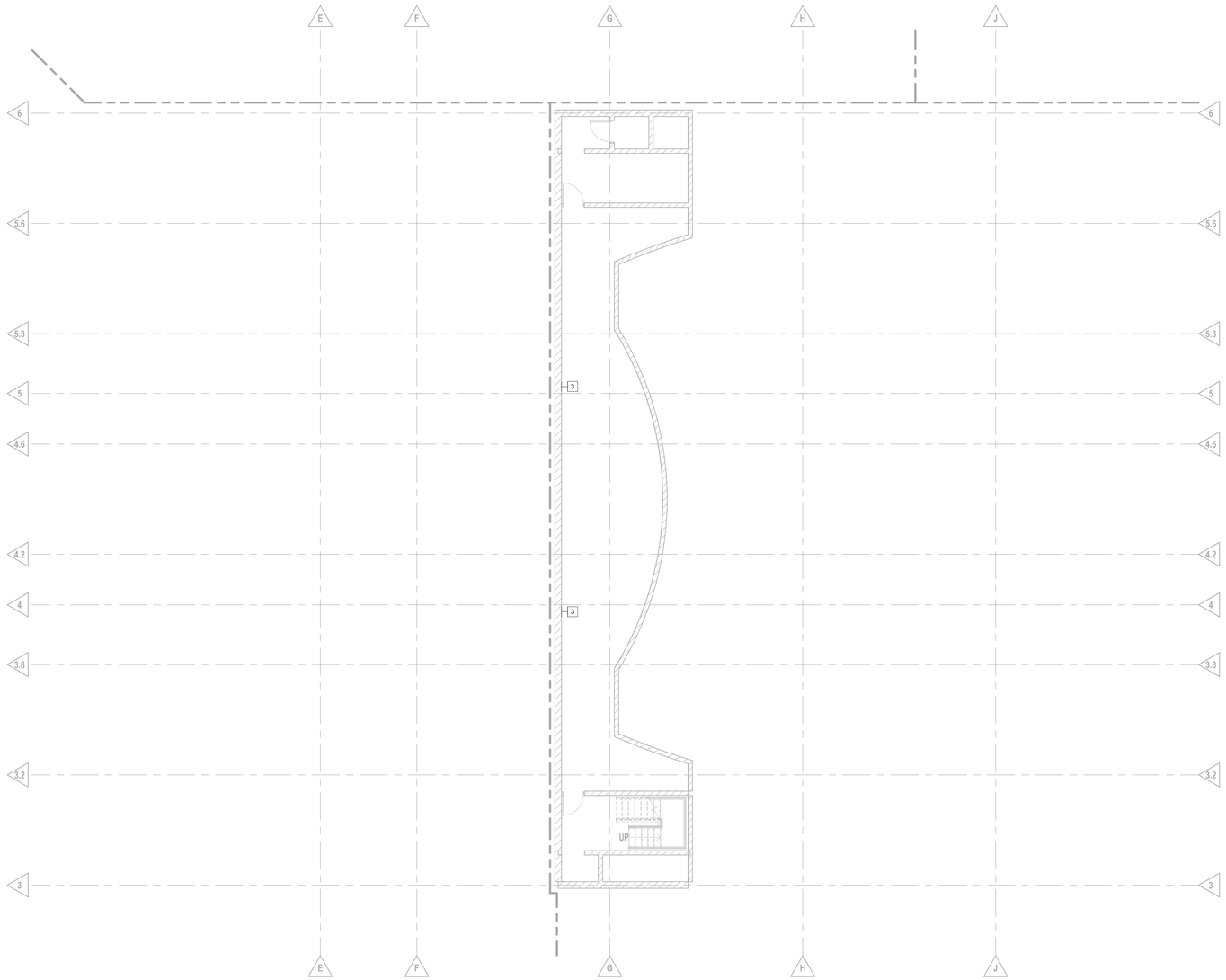
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APPROVED	

PROJECT NO.
25026D

DRAWING NO.
AV0.04

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N

Orchestra Pit Audiovisual Floor Plan - Zone 'G'

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

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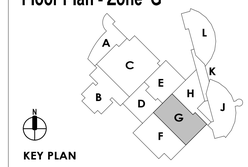
PROJECT TITLE

Dexter High School Fitness/Entry Addition

Dexter Community Schools
Dexter, MI

DRAWING TITLE

Orchestra Pit Audiovisual Floor Plan - Zone 'G'



KEY PLAN

ISSUE DATES

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APPROVED	

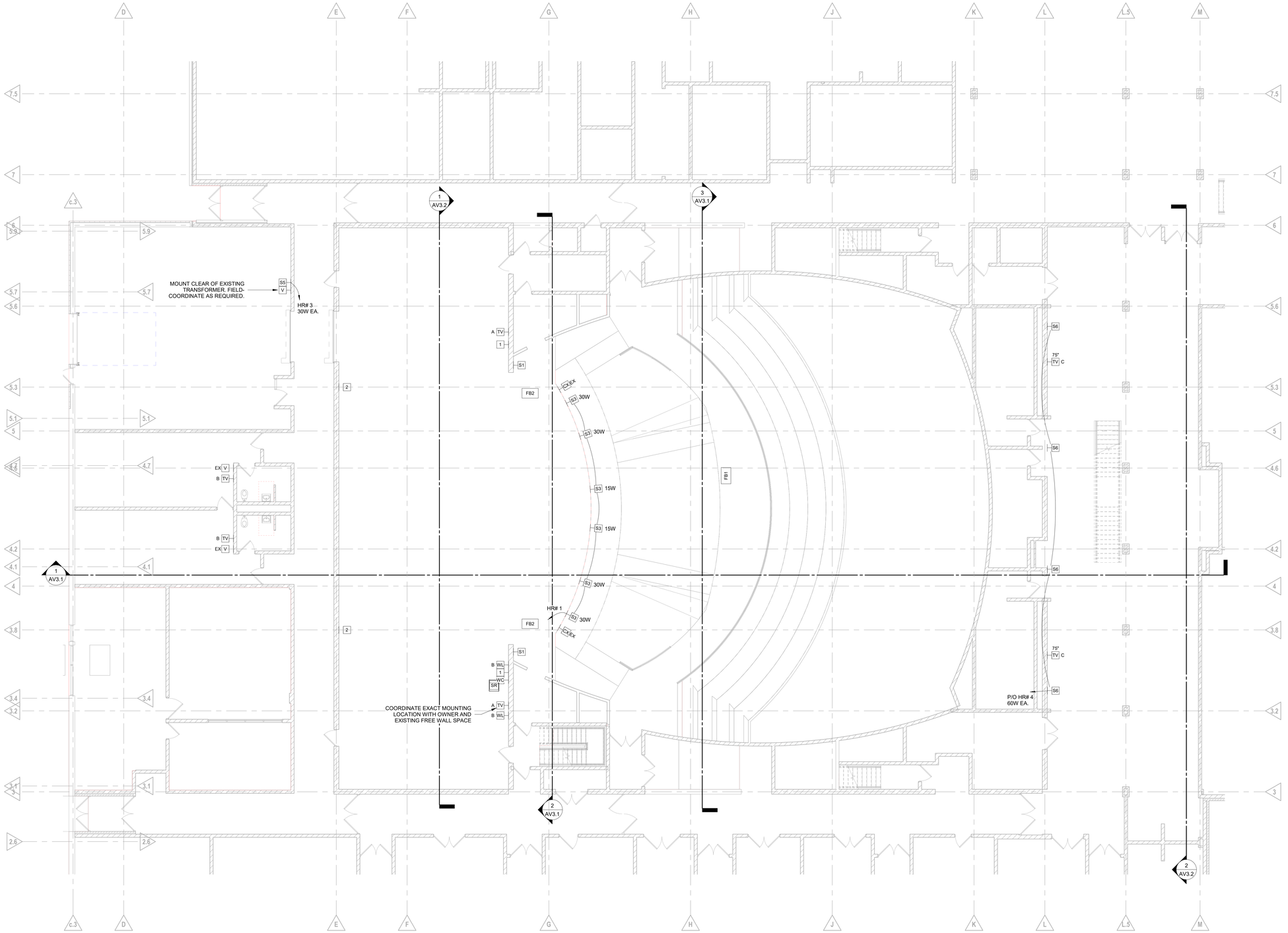
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AV1.0G

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N

First Level Audiovisual Floor Plan - Zone 'G'

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

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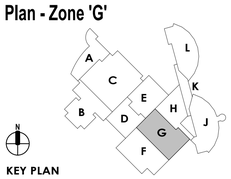
PROJECT TITLE

Dexter High School Fitness/Entry Addition

Dexter Community Schools
Dexter, MI

DRAWING TITLE

First Level Audiovisual Floor Plan - Zone 'G'



KEY PLAN

ISSUE DATES

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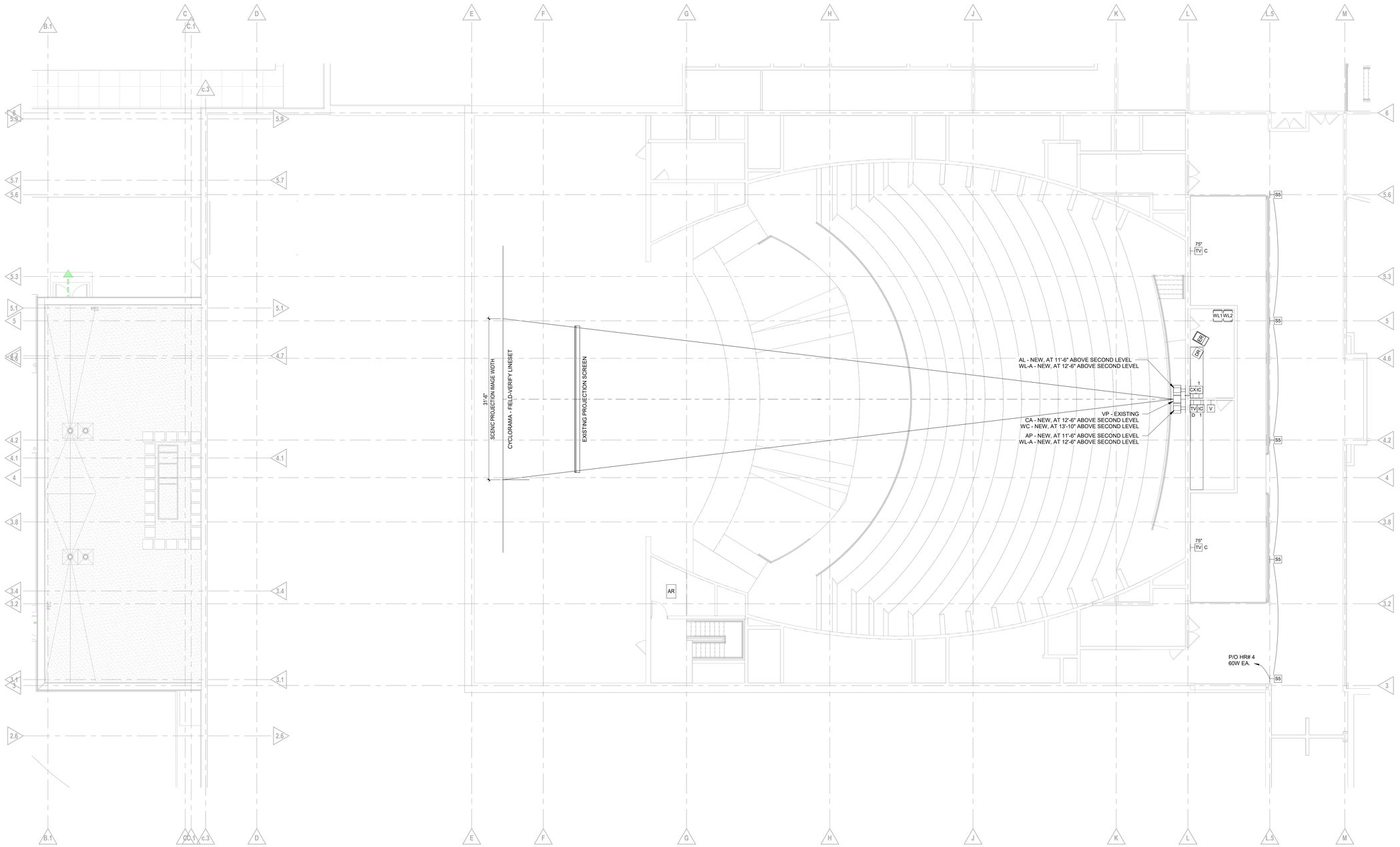
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25026D

DRAWING NO.

AV1.1G

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N

Second Level Audiovisual Floor Plan - Zone 'G'

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

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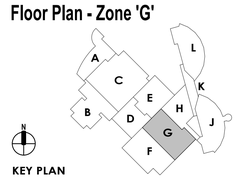
PROJECT TITLE

Dexter High School Fitness/Entry Addition

Dexter Community Schools
Dexter, MI

DRAWING TITLE

Second Level Audiovisual Floor Plan - Zone 'G'



KEY PLAN

ISSUE DATES

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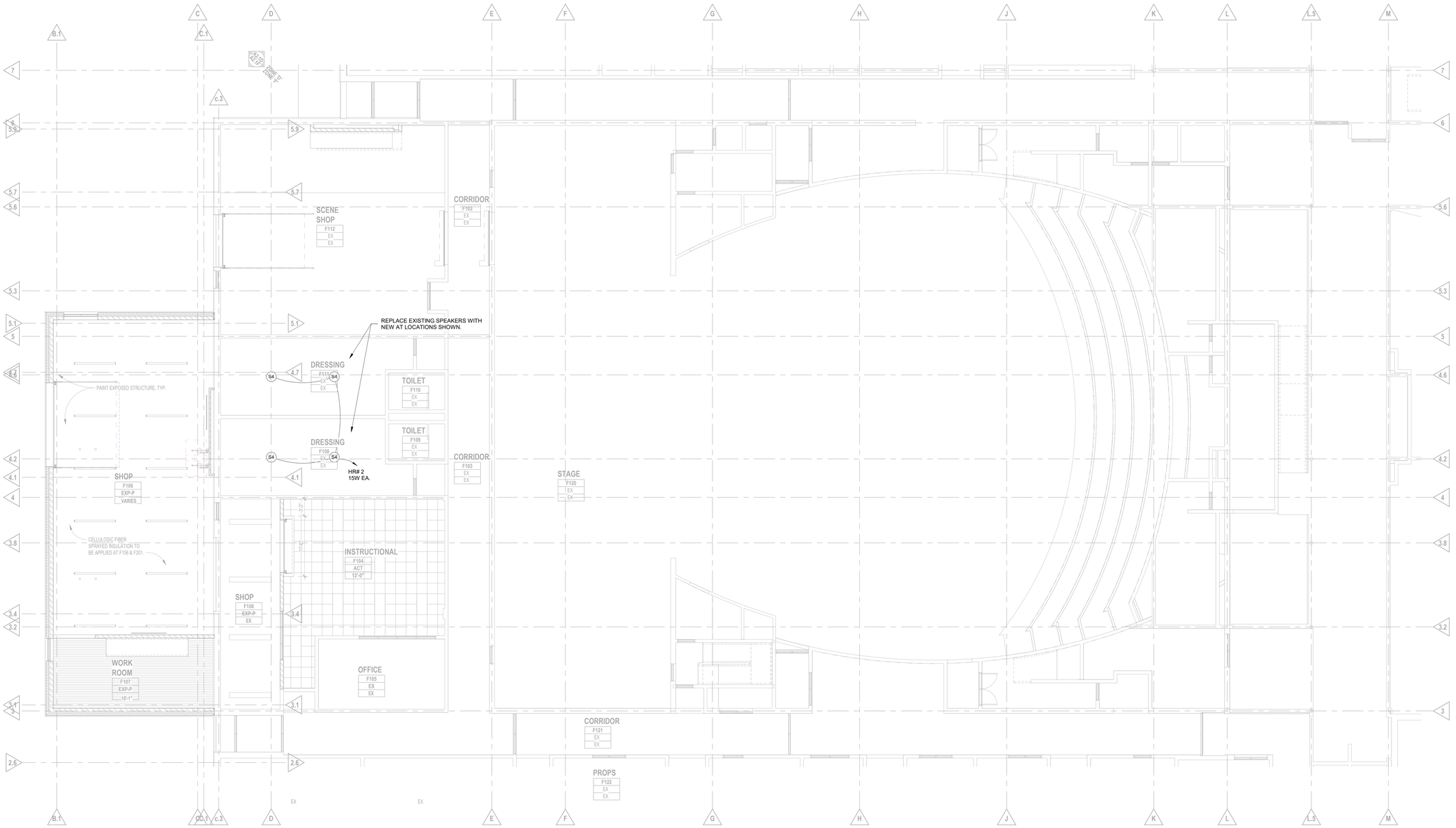
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DRAWING NO.

AV1.2G

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N

First Level Audiovisual Reflected Ceiling Plan - Zone 'G'

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

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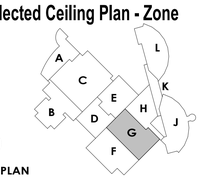
PROJECT TITLE

Dexter High School Fitness/Entry Addition

Dexter Community Schools
Dexter, MI

DRAWING TITLE

First Level Audiovisual Reflected Ceiling Plan - Zone 'G'



KEY PLAN

ISSUE DATES

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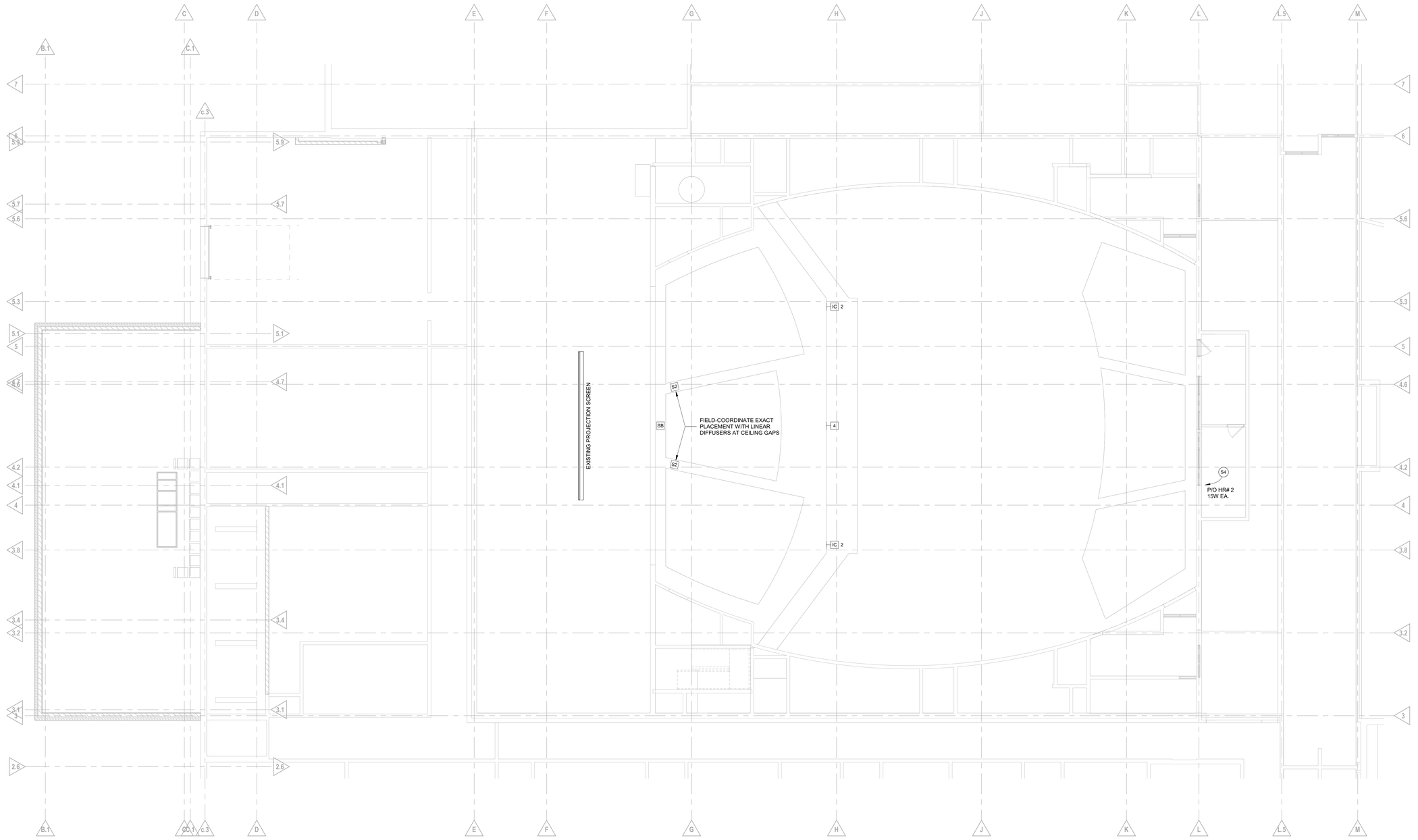
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DRAWING NO.

AV2.1G

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Second Level Audiovisual Reflected Ceiling Plan - Zone 'G'

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

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REGISTRATION SEAL

CONSULTANT

BAI Since 1935 LLC
Consultants in Acoustics, Sound Reinforcement, and Audiovisual Technologies
4006 Speedway Austin, TX 78751
512.476.3464 www.baiaustin.com

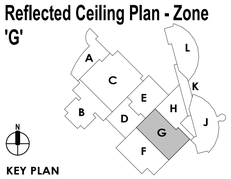
PROJECT TITLE

Dexter High School Fitness/Entry Addition

Dexter Community Schools
Dexter, MI

DRAWING TITLE

Second Level Audiovisual Reflected Ceiling Plan - Zone 'G'



KEY PLAN

ISSUE DATES

DATE:	ISSUED FOR:
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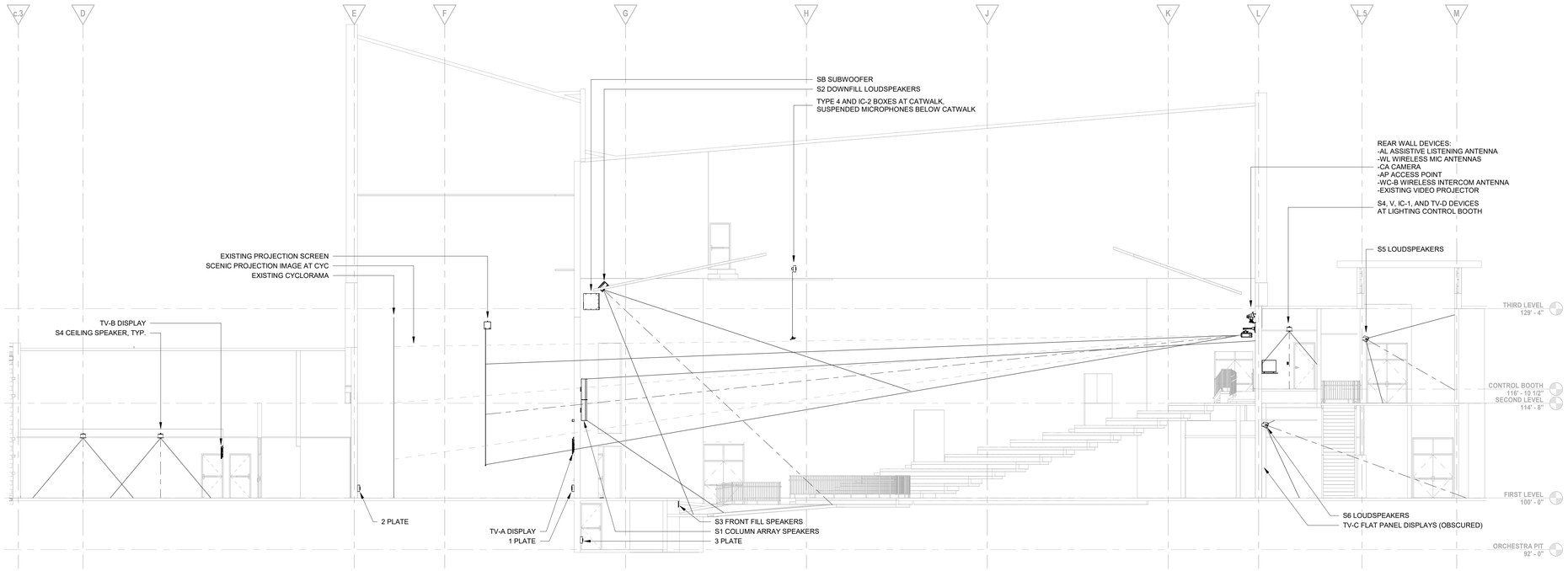
PROJECT NO.

25026D

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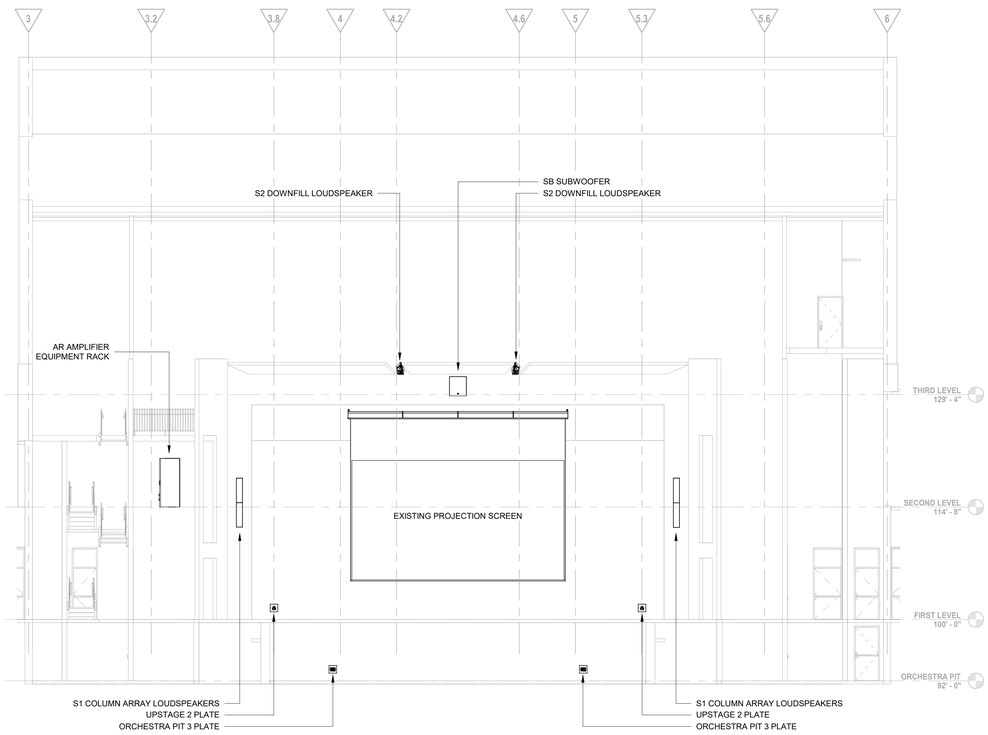
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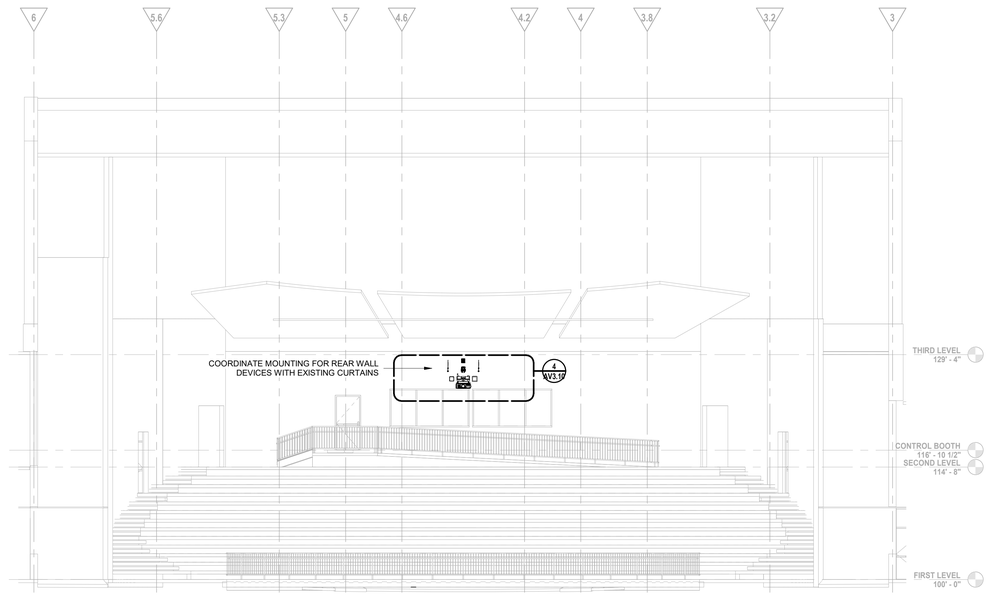
1 Audiovisual Section - Longitudinal

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



2 Audiovisual Section - Transverse

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



3 Audiovisual Section - House Rear

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

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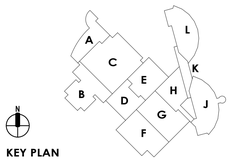
PROJECT TITLE

Dexter High School Fitness/Entry Addition

Dexter Community Schools
Dexter, MI

DRAWING TITLE

Audiovisual Building Sections



KEY PLAN

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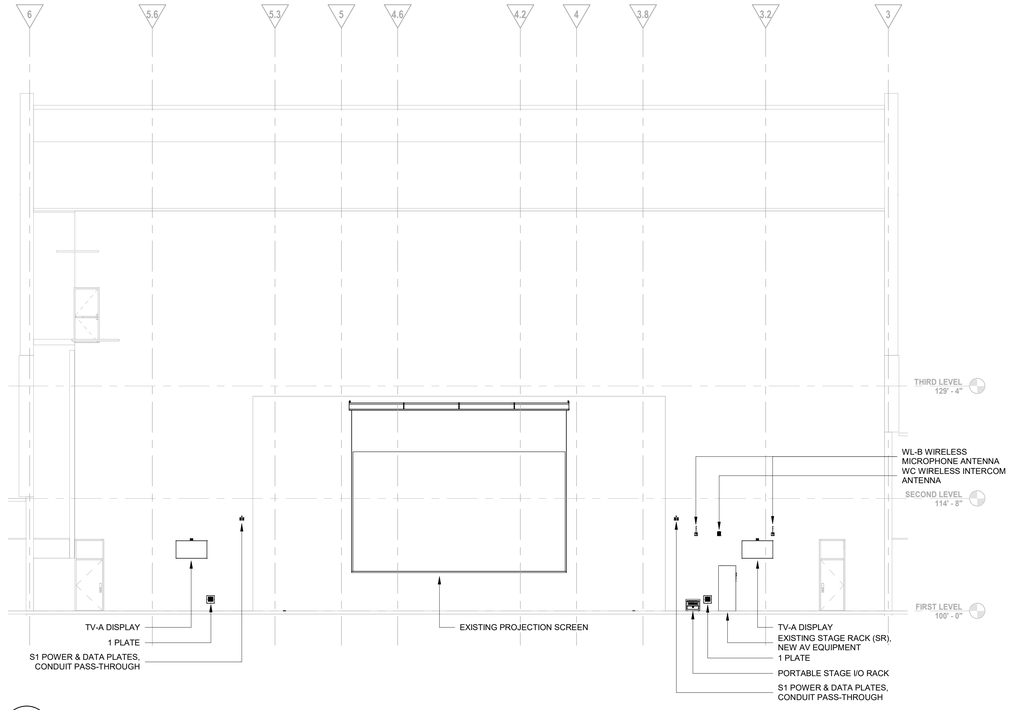
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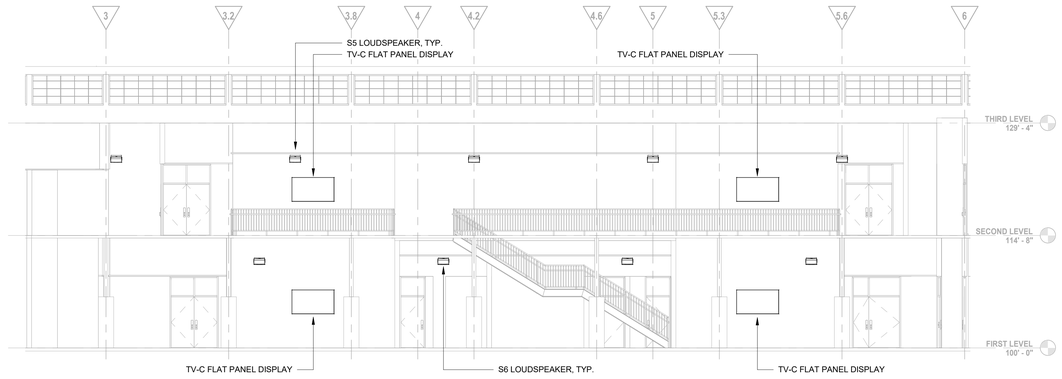
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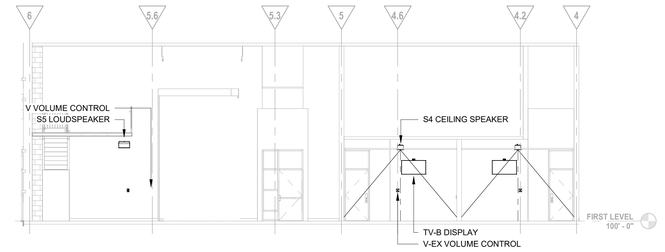
1 Audiovisual Section - Downstage Wall

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



2 Audiovisual Section - Lobby

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



3 Audiovisual Section - Dressing Rooms / Scene Shop

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

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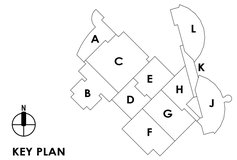
PROJECT TITLE

Dexter High School Fitness/Entry Addition

Dexter Community Schools
Dexter, MI

DRAWING TITLE

Audiovisual Building Sections



KEY PLAN

ISSUE DATES

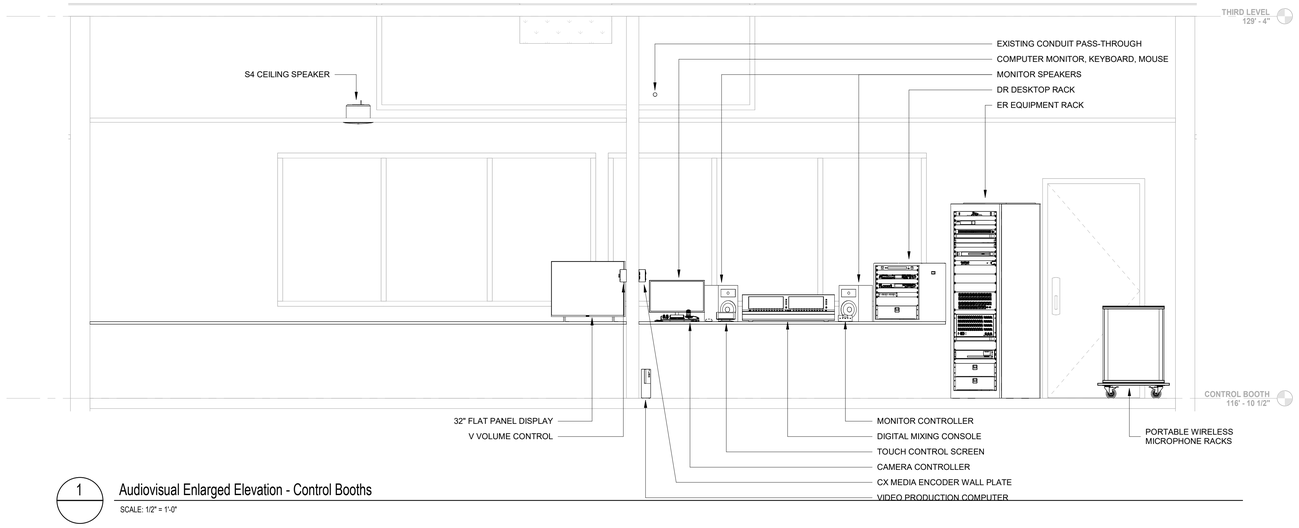
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CHECKED REB
APPROVED

PROJECT NO.
25026D

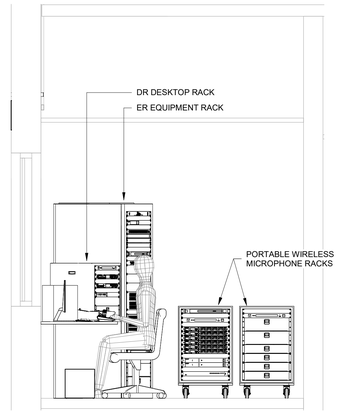
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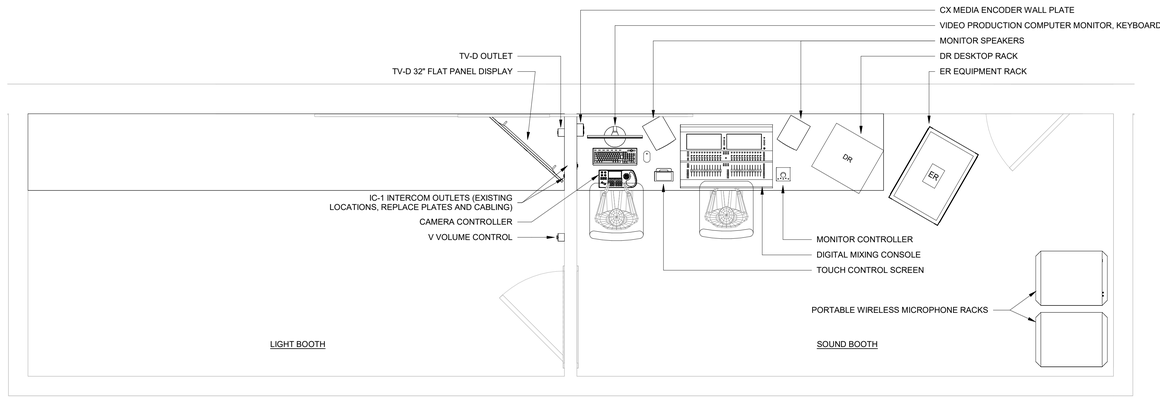
1 Audiovisual Enlarged Elevation - Control Booths

SCALE: 1/2" = 1'-0"



2 Audiovisual Enlarged Section - Control Booths

SCALE: 1/2" = 1'-0"



3 Enlarged Audiovisual Control Booth Plan

SCALE: 1/2" = 1'-0"

4 Audiovisual Enlarged Elevation - House Rear Wall

SCALE: 1/2" = 1'-0"

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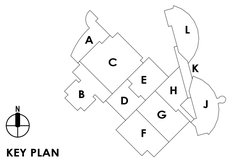
PROJECT TITLE

Dexter High School Fitness/Entry Addition

Dexter Community Schools
Dexter, MI

DRAWING TITLE

Enlarged Audiovisual Views



KEY PLAN

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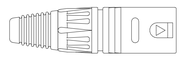
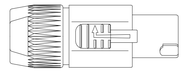
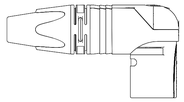
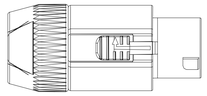
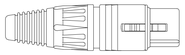
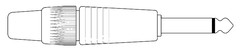
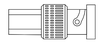
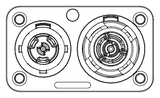
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AUDIOVISUAL CONNECTOR LEGEND

	XLR FEMALE 3-PIN		CAT6A ETHERCON DATA JACK (AV-NET)		XLR MALE		SPEAKON 4-POLE
	XLR FEMALE 5-PIN		CAT6A DATA JACK (BUILDING DATA)		XLR MALE RIGHT ANGLE		SPEAKON 8-POLE
	XLR MALE 3-PIN		OPTICAL-CON DUA		XLR FEMALE		CAT6A ETHERCON DATA PLUG
	XLR MALE 6-PIN SWITCHCRAFT 6-PIN CONFIGURATION		HDMI		XLR MINI FEMALE		CAT6A DATA PLUG
	SPEAKON 4-POLE		USB-3		1/4" TRS		DB9
	SPEAKON 8-POLE		USB-C WITH 3' REAR PIGTAIL USB-C CABLE		1/4" TS		HDMI
	CABLE PASS-THROUGH GROMMET		POWERCON 20A INLET		RCA MALE		USB
	75-OHM BNC		POWERCON 20A OUTLET		TRS MINI MALE		BNC
	50-OHM BNC		POWERCON TRUE1-TOP 16A INLET		PHOENIX		FIBER OPTIC DUPLEX LC
	50-OHM TNC		POWERCON TRUE1-TOP 16A OUTLET				FIBER OPTIC SIMPLEX SC
	NEUTRIK "D" SIZE BLANK COVER		POWERCON TRUE1-TOP 16A COMBO				

AUDIOVISUAL DEVICE PLATE NOTES

1. AV CONTRACTOR SHALL FIELD-VERIFY AS-INSTALLED ENCLOSURE MODELS AND SIZES FOR ALL AUDIOVISUAL DEVICE LOCATIONS AND PROVIDE AV CONNECCTOR PLATES CORRESPONDING TO THOSE INSTALLED MODELS, SIZES, AND CONDITIONS.
2. AV CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND MAINTAIN FACTORY MOUNTING HOLE SPACING FOR ALL CUSTOM-MANUFACTURED INTERFACE PLATES.
3. AV CONTRACTOR SHALL COORDINATED WITH OTHER TRADES, AS REQUIRED, FOR DEVICE/SERVICE ALLOCATION AT LOCATIONS INDICATED.
4. REFER TO SPECIFICATION SECTION 274115 FOR SPECIFIC REQUIREMENTS.

DSP AND CONTROL SCREEN PROGRAMMING NOTES

A. THE SYSTEM SHALL BE PROGRAMMED SO THE DEFAULT OPERATING CONDITION IS AUTO-POPULATED UPON SYSTEM POWER-UP OR SYSTEM RE-BOOT.

B. INTERFACE WITH THE PRESENTATION AND CONTROL SYSTEM AND PROGRAM ASSOCIATED TOUCH CONTROL PANELS FOR USER CONTROL OF ALL PARAMETERS NECESSARY FOR SUCCESSFUL CONTROL AND OPERATION OF CONNECTED DEVICES IN THE SYSTEM. COORDINATE WITH THE OWNER'S REPRESENTATIVES AND THIS CONSULTANT ON DESIRED CONTROL PANEL FUNCTIONALITY AND GRAPHICAL USER INTERFACE AT EACH CONTROL PANEL LOCATION. THE INSTALLER SHALL ACCOMMODATE, AT NO ADDITIONAL COST, ONE (1) TOUCH CONTROL SCREEN PROGRAMMING REVISION POST-COMMISSIONING AND AFTER OWNER INITIAL USE OF THE SYSTEM TO INCORPORATE COMMENTS PERTAINING TO USER INTERFACE OPERATIONAL ADJUSTMENTS AND USER PREFERENCES.
   1. CONFIGURE FOR LEVELS, MUTES, AND ROUTING OF EACH INDIVIDUAL ANALOG AND DIGITAL SYSTEM INPUT ASSOCIATED WITH THE DEFAULT / ASSEMBLY AUDIO AND VIDEO SOURCES, TO INCLUDE THE FOLLOWING:
      a. DEFAULT / ASSEMBLY WIRED MICROPHONE INPUTS.
      b. DEFAULT / ASSEMBLY WIRELESS MICROPHONE INPUTS AT SR RACK.
      c. DEFAULT / ASSEMBLY CD / BT / MEDIA PLAYER AT SR RACK.
      d. DIGITAL AUDIO STREAMS ASSOCIATED WITH THE IP VIDEO DISTRIBUTION SYSTEM ENCODER AND DECODER DEVICES. UTILIZE SOFTWARE ROUTING VIA DANTE/AES67/MEDIA STREAM RECEIVERS AND TRANSMITTERS, WHERE REQUIRED.
   2. CONFIGURE TOUCH CONTROL PANELS FOR ASSIGNABLE ZONE AND GLOBAL ROUTING OF PAGING MICROPHONES.
   3. PROVIDE CAMERA PAN-TILT-ZOOM CONTROLS FOR EACH CAMERA IN THE SYSTEM. FOR EACH CAMERA, INCLUDE CONTROLS FOR RECALL OF 3 PRE-DEFINED PRESETS (COORDINATE WITH OWNER'S REPRESENTATIVES), AS WELL AS USER-CONFIGURABLE AND RECALLABLE PRESETS.
   4. PROVIDE INDEPENDENT ROUTING CONTROL ASSOCIATED WITH EACH VIDEO SOURCE AND RECEIVER IN THE SYSTEM, TO INCLUDE CAMERAS, VIDEO INPUT AND OUTPUT INTERFACE DEVICES, DIGITAL SIGNAGE PLAYERS, MEDIA ENCODERS AND DECODERS, TELEVISION DISPLAYS, VIDEO PROJECTORS, AND VIDEO BOARDS.
   5. PROVIDE SELECTIONS FOR VIDEO PROJECTOR LENS PRESETS TO ACCOMMODATE THE FOLLOWING:
      a. VIDEO PRESENTATION AT ONSTAGE MOTORIZED PRESENTATION PROJECTION SCREEN.
      b. SCENIC PROJECTION AT UPSTAGE CYCLORAMA.
   6. PROVIDE WIRELESS TABLET CONTROL OF THE FOLLOWING:
      a. DSP CONTROL VIA DSP MANUFACTURER'S WIRELESS TABLET CONTROL APP OR WEB SERVER, MIRRORING WIRED TOUCH CONTROL SCREEN CONFIGURATION AND FUNCTIONALITY.
      b. DIGITAL MIXING CONSOLE CONTROL VIA CONSOLE MANUFACTURER'S CONTROL APP.

C. AT LOCATIONS WHERE TOUCH CONTROL SCREENS ARE INTENDED TO BE THE MECHANISM BY WHICH SYSTEM POWER IS CONTROLLED, PROGRAM TOUCH CONTROL SCREENS FOR THIS FUNCTIONALITY, ENSURING ASSOCIATED DSP / CONTROL PROCESSOR AND NETWORK SWITCH DEVICES ARE POWERED FROM NON-SEQUENCED, NON-SWITCHED POWER OUTLETS.

D. WHERE ACTIVE/SELF-POWERED LOUDSPEAKERS ARE EMPLOYED, INCORPORATE IN POWER ON/OFF PRESET, SYSTEM OUTPUT MUTES (BOTH ANALOG AND DIGITAL OUTPUTS) AT POWER DOWN AND SYSTEM UN-MUTE AT SYSTEM POWER-UP WITH CONTROL DELAY PROGRAMMING SO ACTIVE LOUDSPEAKERS ARE UN-MUTED AFTER ALL OTHER EQUIPMENT SEQUENCING IS COMPLETE.

E. TERMINATE AND PROGRAM FIRE ALARM INTERFACE. THE SYSTEM SHALL BE PROGRAMMED TO MUTE ALL PROGRAM AUDIO UPON RECEIPT OF CONTROL SIGNAL FROM THE FIRE ALARM SYSTEM. COORDINATE WITH THE OWNER FOR LOCATION OF THIS FEED.

F. CONTRACTOR SHALL PROVIDE A REVIEW COPY OF THE PROGRAMMING FILE TO THE CONSULTANT FOR REVIEW AT THE LATEST FOUR (4) WEEKS PRIOR TO SCHEDULED COMMISSIONING TRIP.

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PROJECT TITLE

Dexter High School Fitness/Entry Addition

Dexter Community Schools
Dexter, MI

DRAWING TITLE

Audiovisual Connector Legend and System Notes

KEY PLAN

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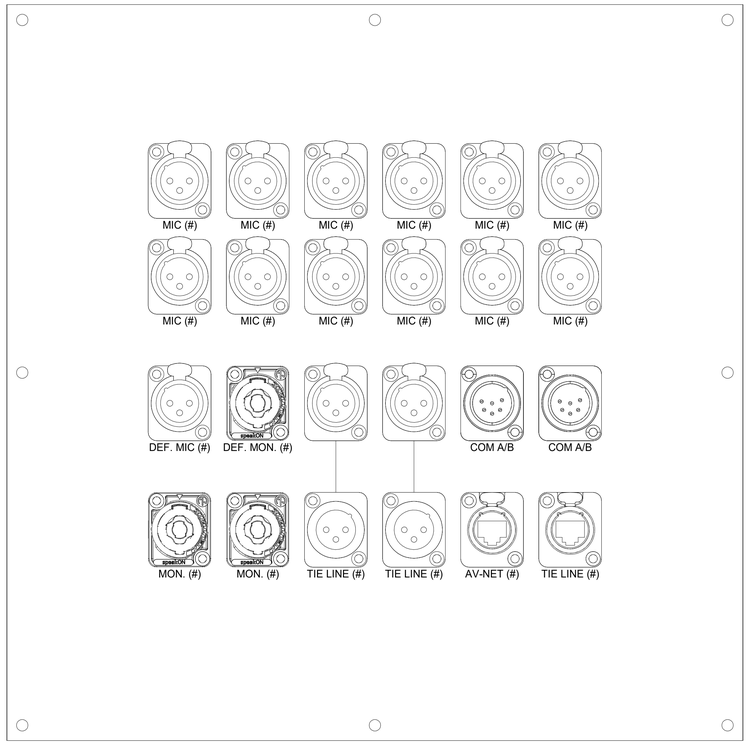
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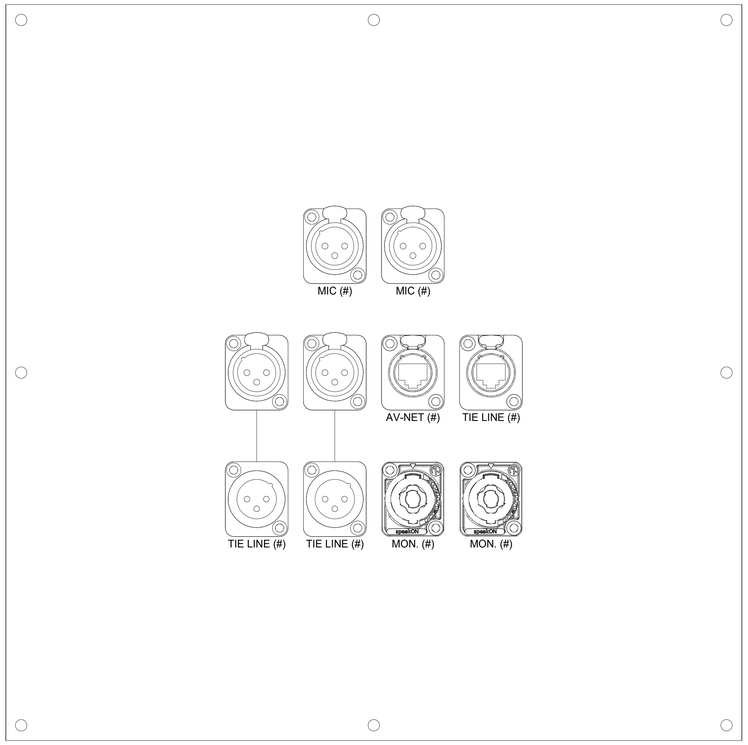
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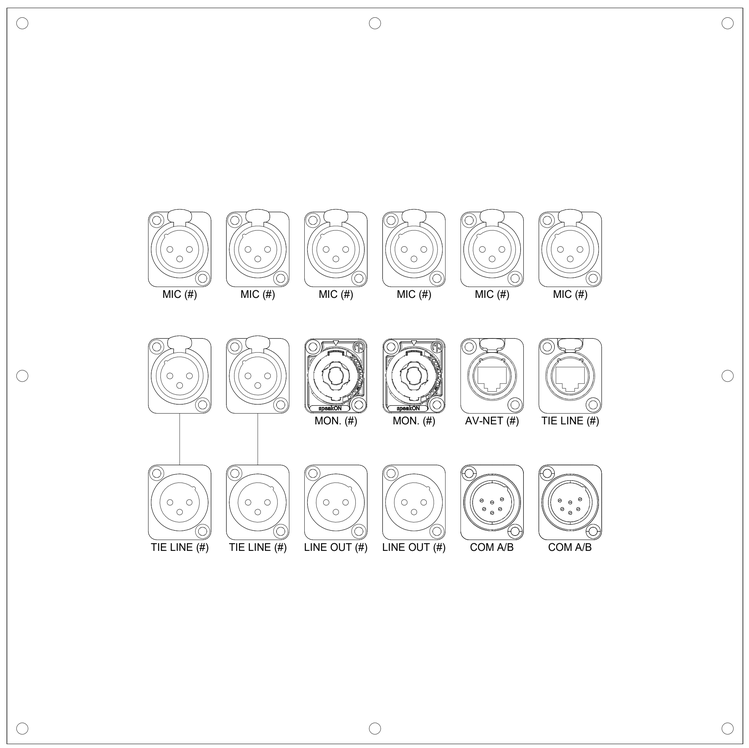
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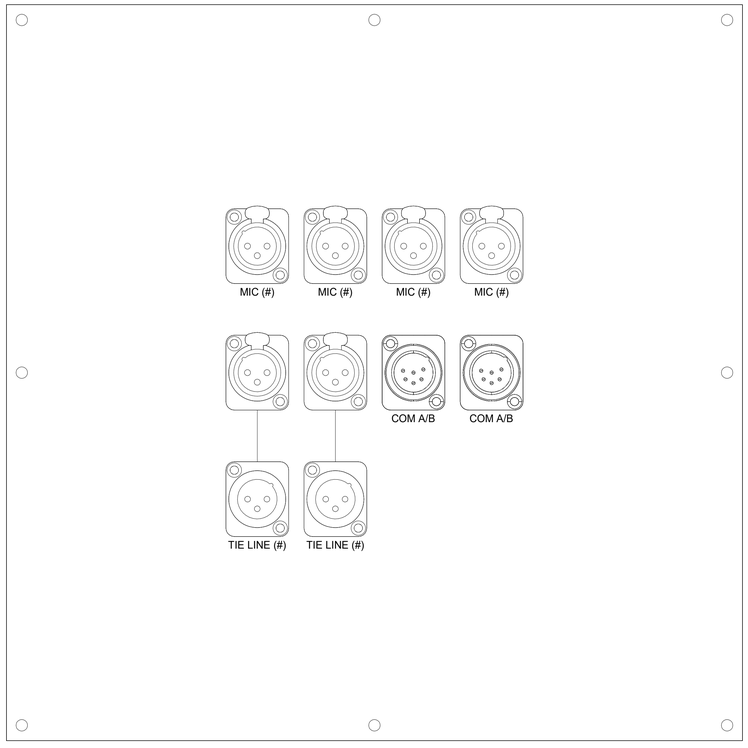
2 PLATE DETAIL - TYPE 2 I/O PLATE

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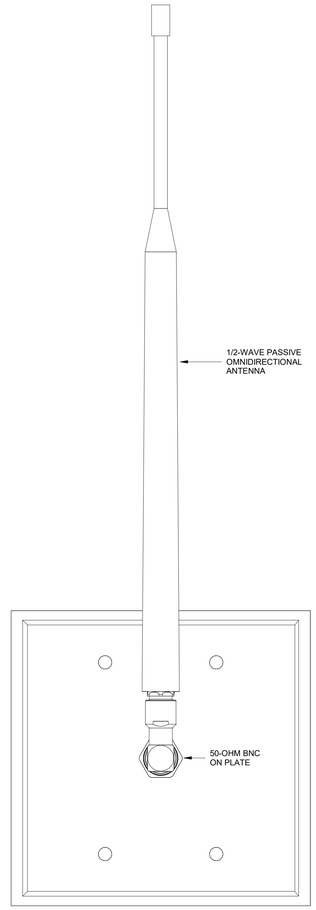
3 PLATE DETAIL - TYPE 3 I/O PLATE

SCALE: 12" = 1'-0"



4 PLATE DETAIL - TYPE 4 I/O PLATE

SCALE: 12" = 1'-0"



5 PLATE DETAIL - TYPE WL-B WIRELESS MIC ANTENNA

SCALE: 12" = 1'-0"

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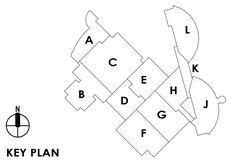
PROJECT TITLE

Dexter High School Fitness/Entry Addition

Dexter Community Schools
Dexter, MI

DRAWING TITLE

Audiovisual Plate Details



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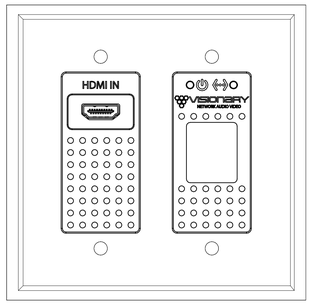
PROJECT NO.

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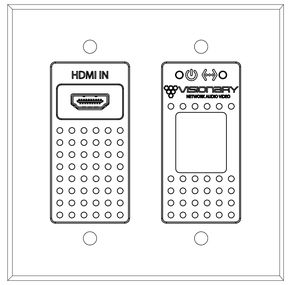
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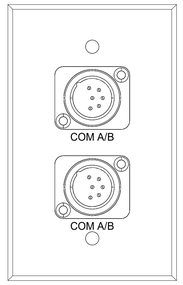
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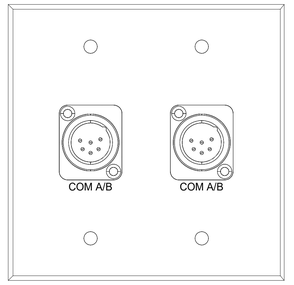
1 PLATE DETAIL - TYPE CX VIDEO ENCODER
SCALE: 12" = 1'-0"



2 PLATE DETAIL - TYPE CX-EX VIDEO ENCODER
SCALE: 12" = 1'-0"



3 PLATE DETAIL - TYPE IC-1 COM PLATE
SCALE: 12" = 1'-0"



4 PLATE DETAIL - TYPE IC-2 COM PLATE
SCALE: 12" = 1'-0"



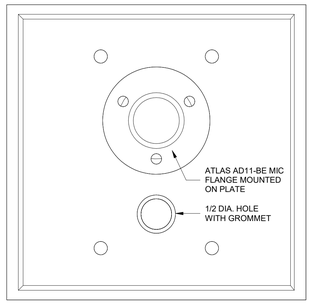
5 PLATE DETAIL - TYPE S1 LOUDSPEAKER
SCALE: 12" = 1'-0"



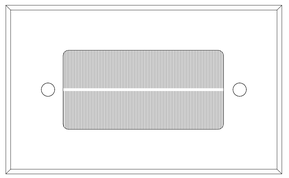
6 PLATE DETAIL - TYPE V VOLUME CONTROL
SCALE: 12" = 1'-0"



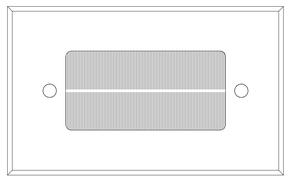
7 PLATE DETAIL - TYPE V-EX VOLUME CONTROL
SCALE: 12" = 1'-0"



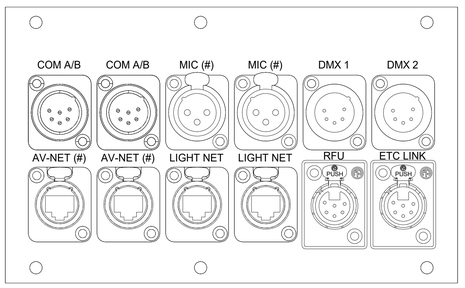
8 PLATE DETAIL - TYPE WC-A WIRELESS COM ANTENNA
SCALE: 12" = 1'-0"

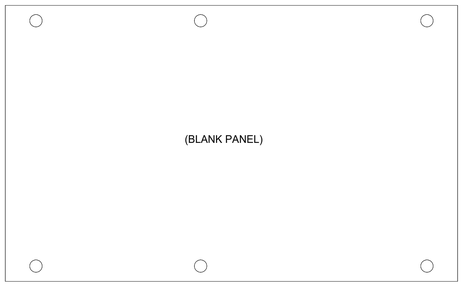


9 PLATE DETAIL - TYPE TV-A FLAT PANEL DISPLAY
SCALE: 12" = 1'-0"

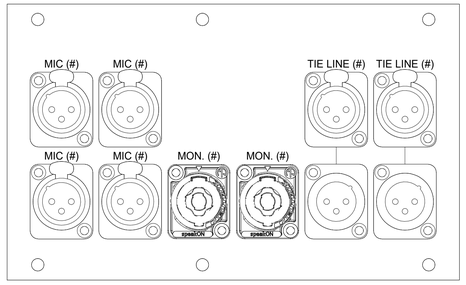


11 PLATE DETAIL - TYPE TV-C FLAT PANEL DISPLAY
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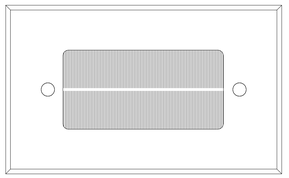




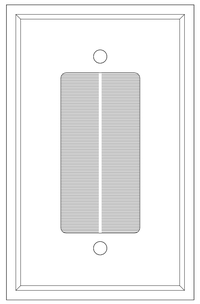
13 PLATE DETAIL - TYPE FB1 AV FLOOR BOX PLATES
SCALE: 12" = 1'-0"



14 PLATE DETAIL - TYPE FB2 AV FLOOR BOX PLATES
SCALE: 12" = 1'-0"



10 PLATE DETAIL - TYPE TV-B FLAT PANEL DISPLAY
SCALE: 12" = 1'-0"



12 PLATE DETAIL - TYPE TV-D FLAT PANEL DISPLAY
SCALE: 12" = 1'-0"

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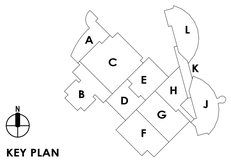
PROJECT TITLE

Dexter High School Fitness/Entry Addition

Dexter Community Schools
Dexter, MI

DRAWING TITLE

Audiovisual Plate Details



KEY PLAN

ISSUE DATES

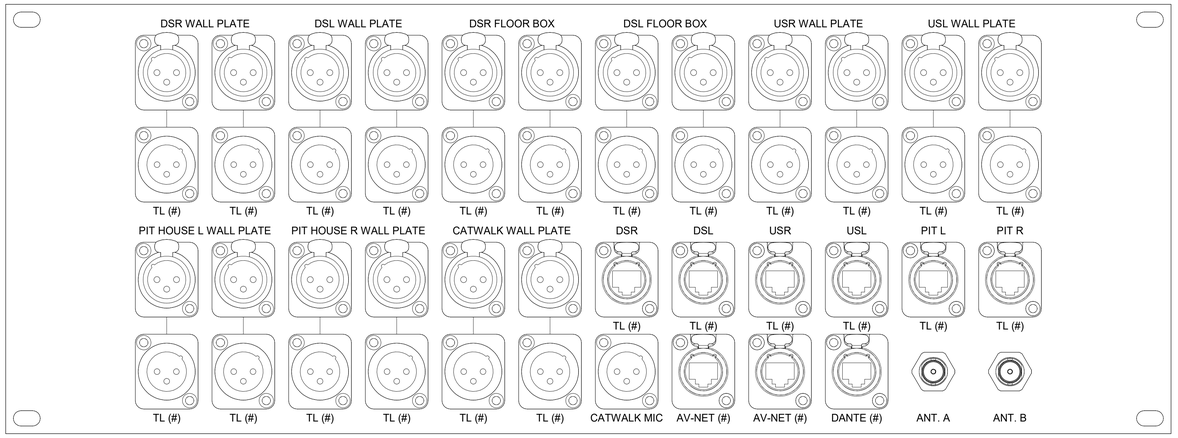
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CHECKED	REB
APPROVED	

PROJECT NO.
25026D

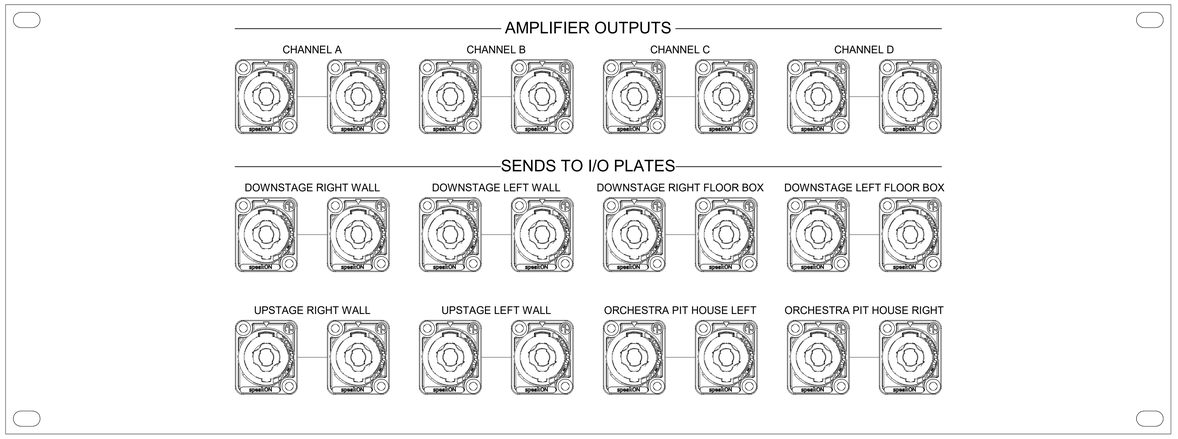
DRAWING NO.
AV4.3

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1 PLATE DETAIL - ER RACK TIE LINE RACK PLATE

SCALE: 12" = 1'-0"



2 PLATE DETAIL - AR RACK AMPLIFIER PATCH PANEL

SCALE: 12" = 1'-0"



3 PLATE DETAIL - WL1 RACK REAR I/O RACK PANEL

SCALE: 12" = 1'-0"

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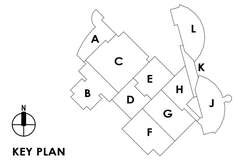
PROJECT TITLE

Dexter High School Fitness/Entry Addition

Dexter Community Schools
Dexter, MI

DRAWING TITLE

Audiovisual Plate Details



KEY PLAN

ISSUE DATES

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CHECKED	REB
APPROVED	

PROJECT NO.

25026D

DRAWING NO.

AV4.4

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1 PLATE DETAIL - SR RACK PAGING / CONTROL RACK PLATE

SCALE: 12" = 1'-0"

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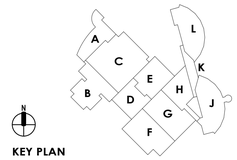
PROJECT TITLE

Dexter High School Fitness/Entry Addition

Dexter Community Schools
Dexter, MI

DRAWING TITLE

Audiovisual Plate Details



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CHECKED	REB
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PROJECT NO.

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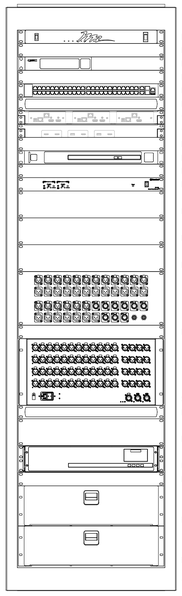
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RACK NOTES:

AT ALL RACK LOCATIONS WITH FRONT DOORS, RECESS FRONT RACK RAILS SUFFICIENTLY TO ALLOW FRONT DOOR TO CLOSE AND LOCK, TO INCLUDE ALL REQUIRED CLEARANCES FROM RACK EQUIPMENT HANDLES AND FRONT PANEL CABLING TERMINATIONS.



POWER SEQUENCER CONTROLLER
BLANK PANEL
DIGITAL SIGNAL PROCESSOR (DSP)
BLANK PANEL
NETWORK SWITCH
BRUSH GROMMET PANEL
* MEDIA ENCODERS / DECODER
* NDI ENCODER / DECODERS
BLANK PANEL
POWER DISTRIBUTION
BLANK PANEL
PRODUCTION INTERCOM POWER SUPPLY

BLANK PANEL

BLANK PANEL

BLANK PANEL

TIE LINE PATCH PANEL
BLANK PANEL

STAGE I/O RACK
BRUSH GROMMET PANEL

BLANK PANEL

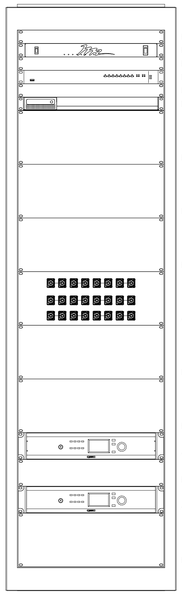
UPS
BLANK PANEL

RACK STORAGE DRAWER

RACK STORAGE DRAWER

* - RACKSHELF WITH FACEPLATE COVER

1 RACK ELEVATION - TYPE ER MAIN EQUIPMENT RACK
SCALE: 1 1/2" = 1'-0"



BLANK PANEL
POWER SEQUENCER CONTROLLER
BLANK PANEL
NETWORK SWITCH
BLANK PANEL
DSP CONTROL EXPANDER

BLANK PANEL

BLANK PANEL

BLANK PANEL

AMPLIFIER PATCH PANEL

BLANK PANEL

BLANK PANEL

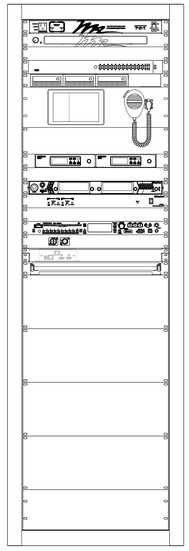
AUDIO POWER AMPLIFIER PA-01

BLANK PANEL

AUDIO POWER AMPLIFIER PA-02

BLANK PANEL

2 RACK ELEVATION - TYPE AR AMPLIFIER RACK
SCALE: 1 1/2" = 1'-0"



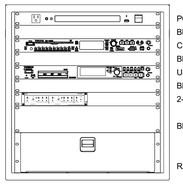
POWER SEQUENCER / DISTRIBUTION
RACK LIGHT
BLANK PANEL
NETWORK SWITCH
DSP INPUT AND CONTROL EXPANDERS

PAGING / CONTROL RACK PANEL

BLANK PANEL
WIRELESS MICROPHONE RECEIVERS
BLANK PANEL
PRODUCTION INTERCOM MAIN STATION
PRODUCTION INTERCOM POWER SUPPLY
BLANK PANEL
CD / BT / MEDIA PLAYER
VIDEO / AV DATA I/O RACK PANEL
* MEDIA ENCODER
SLIDING RACK SHELF

* - RACKSHELF WITH FACEPLATE COVER

3 RACK ELEVATION - TYPE SR STAGE RACK
SCALE: 1 1/2" = 1'-0"



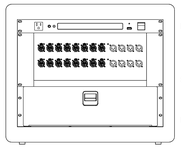
POWER DISTRIBUTION WITH LIGHTS
BLANK PANEL
CD / BT / MEDIA PLAYER
BLANK PANEL
USB / MEDIA RECORDER
BLANK PANEL
2-CH MICROPHONE PREAMPLIFIER

BLANK PANEL

RACK STORAGE DRAWER

4 RACK ELEVATION - TYPE DR DESKTOP RACK
SCALE: 1 1/2" = 1'-0"

PROVIDE PORTABLE CABLING:
1. 1EA. 50' CAT6A DATA CABLE TERMINATED IN NEUTRIK CAT6A PLUGS AT EACH END.
2. 1EA. 50' PORTABLE POWER EXTENSION CABLE, BLACK .

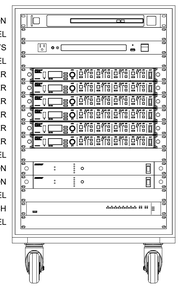


RACKMOUNT POWER WITH LIGHTS

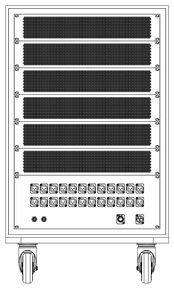
STAGE I/O RACK

RACK STORAGE DRAWER

5 RACK ELEVATION - PORTABLE STAGE I/O RACK
SCALE: 1 1/2" = 1'-0"



POWER DISTRIBUTION
BLANK PANEL
POWER DISTRIBUTION WITH LIGHTS
BLANK PANEL
QUAD WIRELESS MICROPHONE RECEIVER
QUAD WIRELESS MICROPHONE RECEIVER
QUAD WIRELESS MICROPHONE RECEIVER
QUAD WIRELESS MICROPHONE RECEIVER
QUAD WIRELESS MICROPHONE RECEIVER
QUAD WIRELESS MICROPHONE RECEIVER
BLANK PANEL
ANTENNA DISTRIBUTION
ANTENNA DISTRIBUTION
BLANK PANEL
NETWORK SWITCH
BLANK PANEL

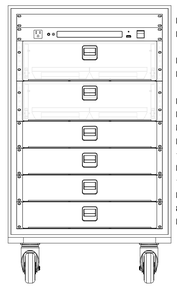


VENT PANEL, TYP.

PROVIDE PORTABLE CABLING:
1. 24-CH SNAKE CABLE: WHIRLWIND MEDUSA 25' 24-CHANNEL, WIRED XLRM TO XLRF, WITH SNAKESKIN AND STRAIN RELIEF OPTIONS, PART# MT24FM25SSH.
2. 2EA. 25' 50-OHM ANTENNA CABLES WITH 50-OHM BNC CONNECTORS AT EACH END.
3. 1EA. 25' CAT6A DATA CABLE TERMINATED IN NEUTRIK CAT6A PLUGS AT EACH END.
4. 1EA. 25' PORTABLE POWER CABLE TERMINATED IN NEUTRIK NAC3FX-W-TOP AT ONE END AND NEMA 5-15P AT THE OTHER.

I/O RACK PANEL

6 RACK ELEVATION - WIRELESS MICROPHONE RACK 1
SCALE: 1 1/2" = 1'-0"



BLANK PANEL
POWER DISTRIBUTION WITH LIGHTS

BATTERY CHARGERS
RACK STORAGE DRAWER

BATTERY CHARGERS
RACK STORAGE DRAWER
MIC ELEMENTS AND ACCESSORIES
RACK STORAGE DRAWER
12 BELTPACK TRANSMITTERS
RACK STORAGE DRAWER
12 BELTPACK TRANSMITTERS
RACK STORAGE DRAWER
8 HANDHELD TRANSMITTERS
RACK STORAGE DRAWER

7 RACK ELEVATION - WIRELESS MICROPHONE RACK 2
SCALE: 1 1/2" = 1'-0"

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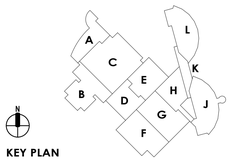
PROJECT TITLE

Dexter High School Fitness/Entry Addition

Dexter Community Schools
Dexter, MI

DRAWING TITLE

Audiovisual Rack Elevations



KEY PLAN

ISSUE DATES

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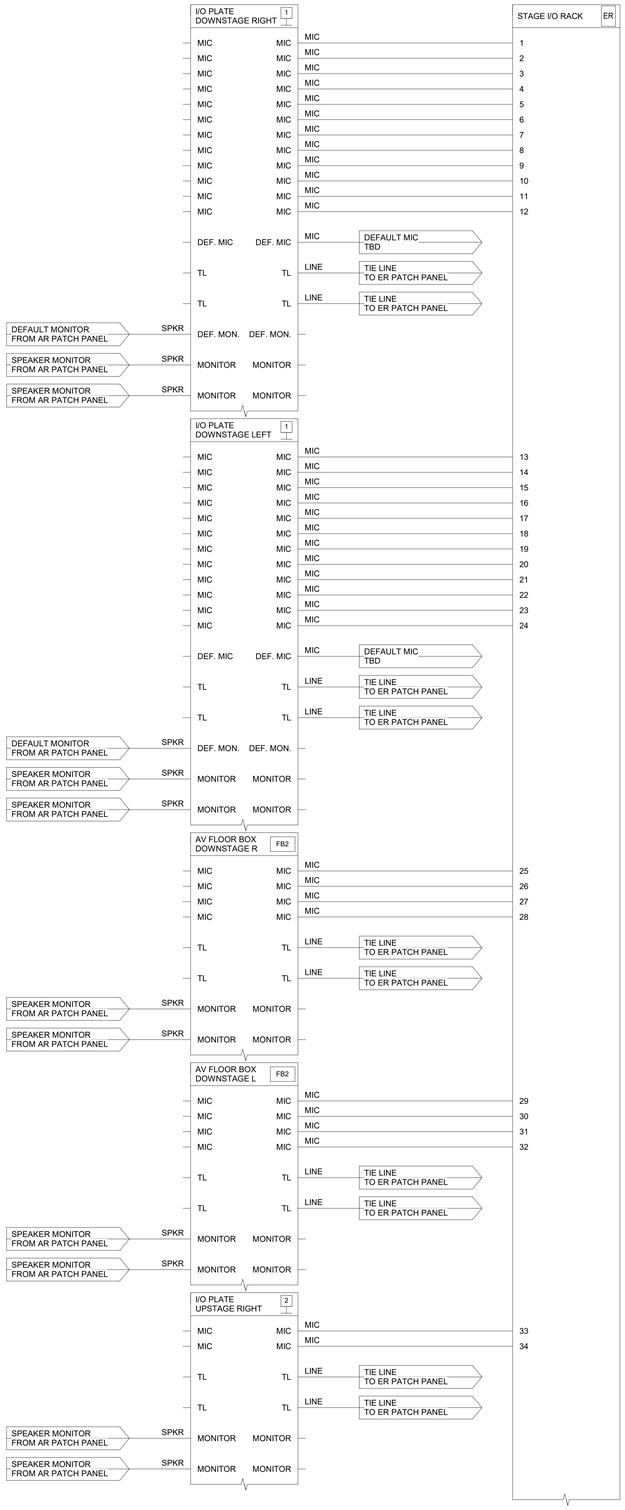
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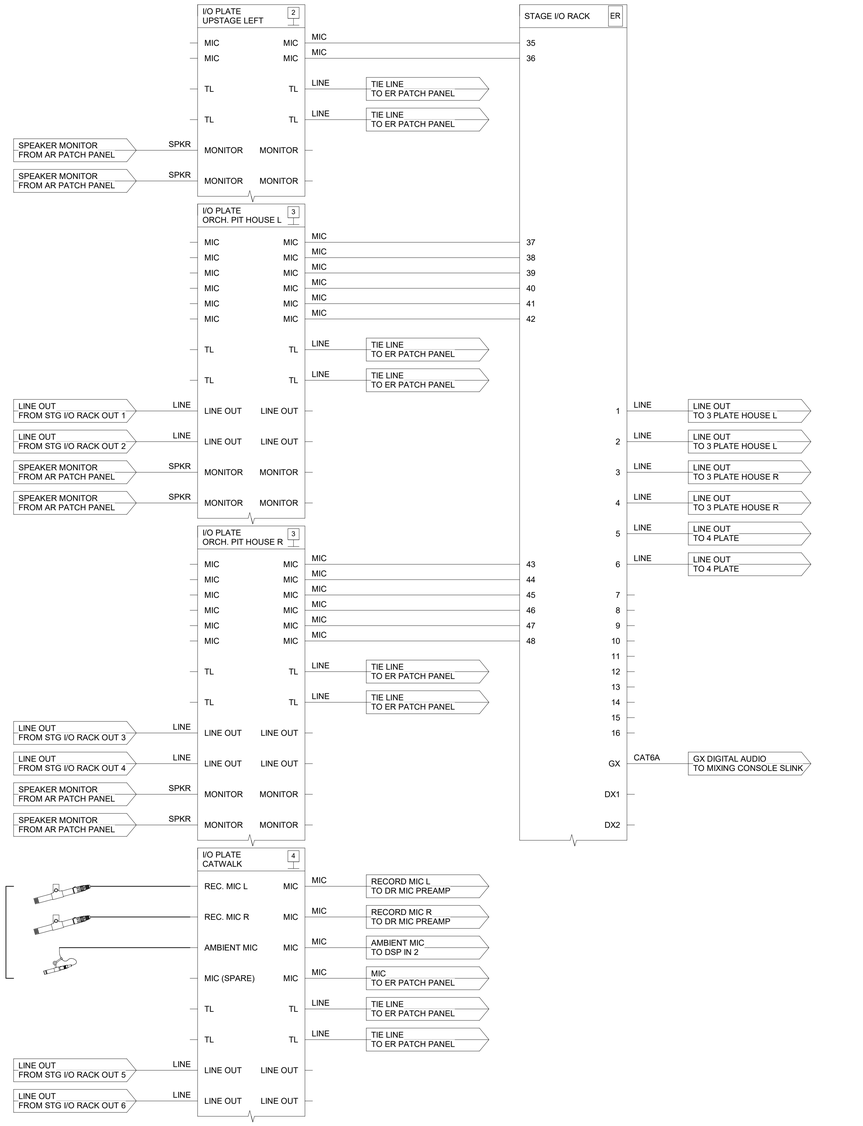
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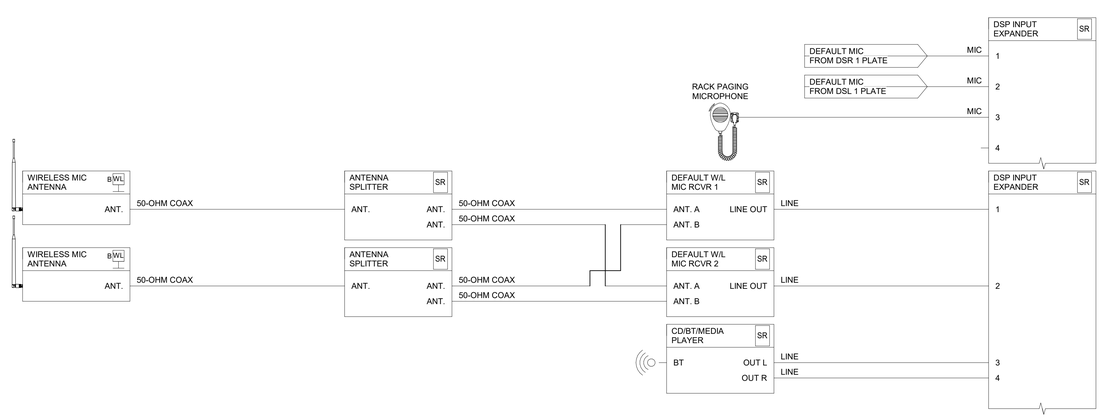
PROJECT NO.
25026D

DRAWING NO.
AV5.1

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1 AUDIOVISUAL ONELINE DIAGRAM - AUDIO I/O 1

SCALE:NO SCALE

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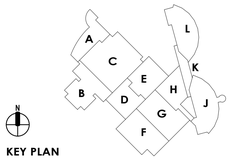
PROJECT TITLE

Dexter High School Fitness/Entry Addition

Dexter Community Schools
Dexter, MI

DRAWING TITLE

Audiovisual Oneline Diagram



KEY PLAN

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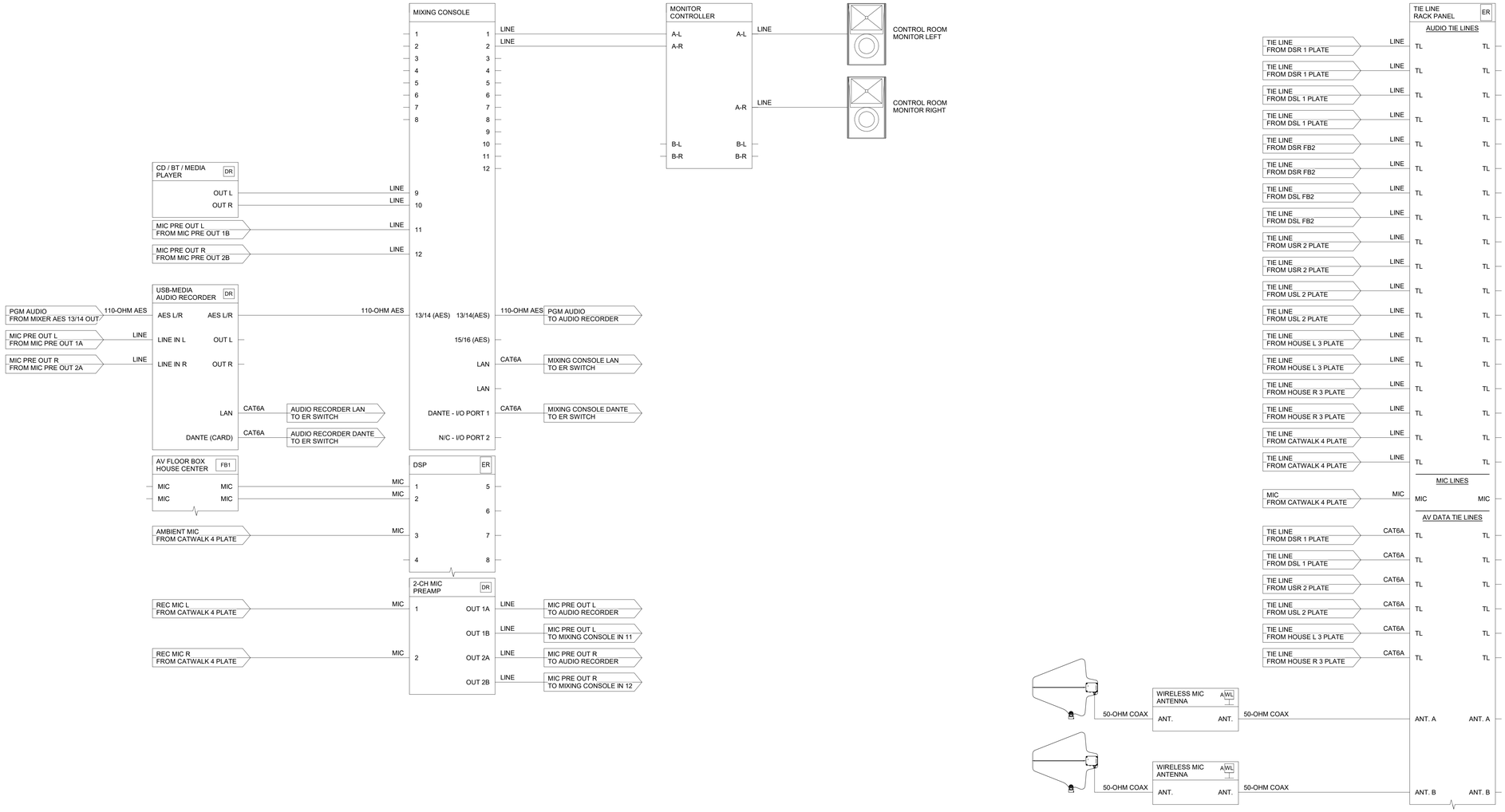
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25026D

DRAWING NO.

AV6.1

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1 AUDIOVISUAL ONELINE DIAGRAM - AUDIO I/O 2

SCALE:NO SCALE

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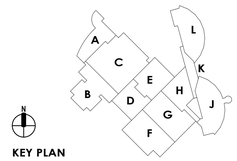
PROJECT TITLE

Dexter High School Fitness/Entry Addition

Dexter Community Schools
Dexter, MI

DRAWING TITLE

Audiovisual Oneline Diagram



KEY PLAN

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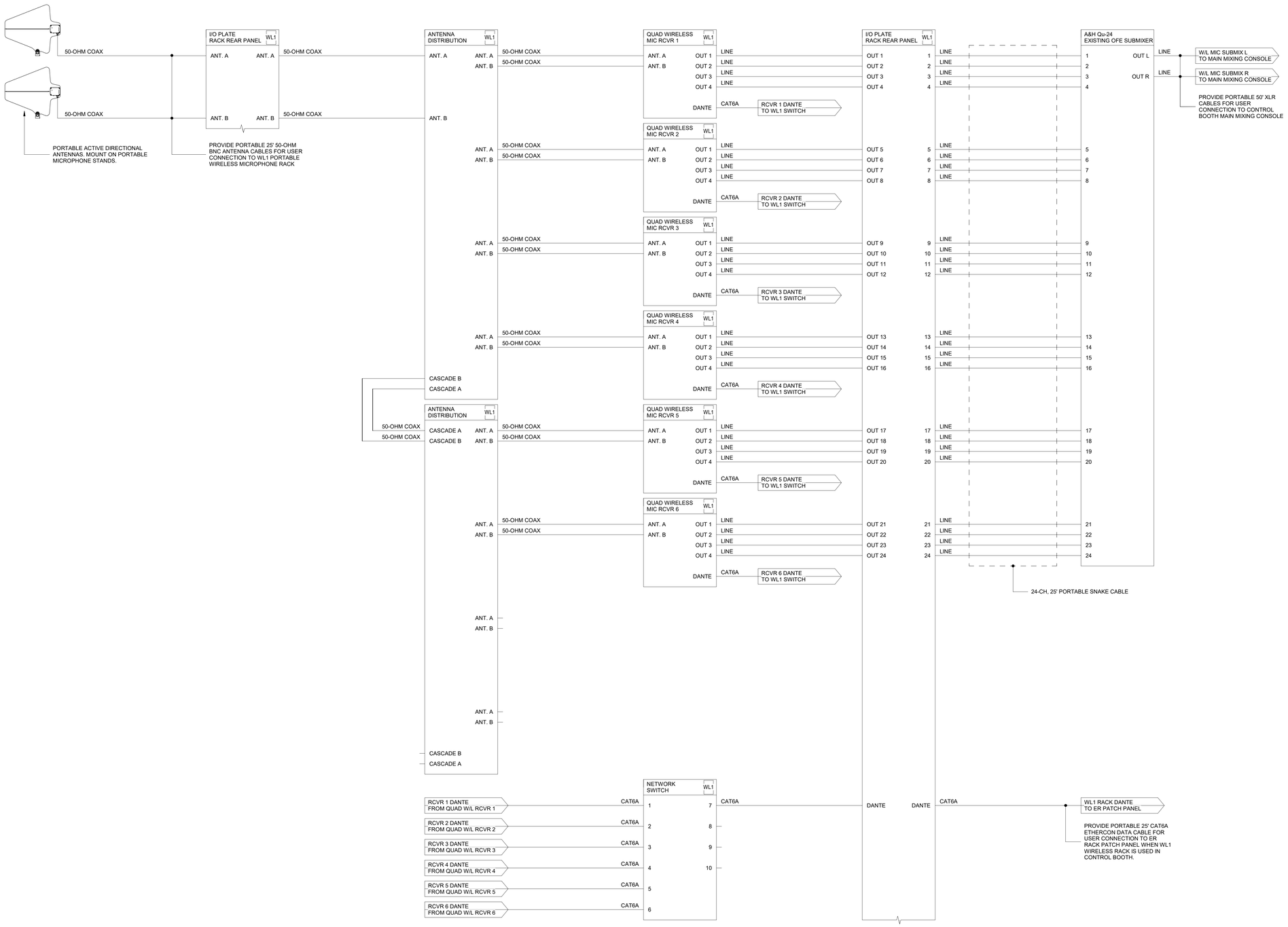
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25026D

DRAWING NO.

AV6.2

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1 AUDIOVISUAL ONELINE DIAGRAM - WIRELESS MICROPHONE RACK

SCALE:NO SCALE

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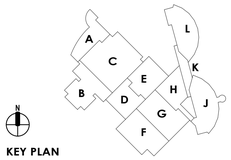
PROJECT TITLE

Dexter High School Fitness/Entry Addition

Dexter Community Schools
Dexter, MI

DRAWING TITLE

Audiovisual Oneline Diagram



KEY PLAN

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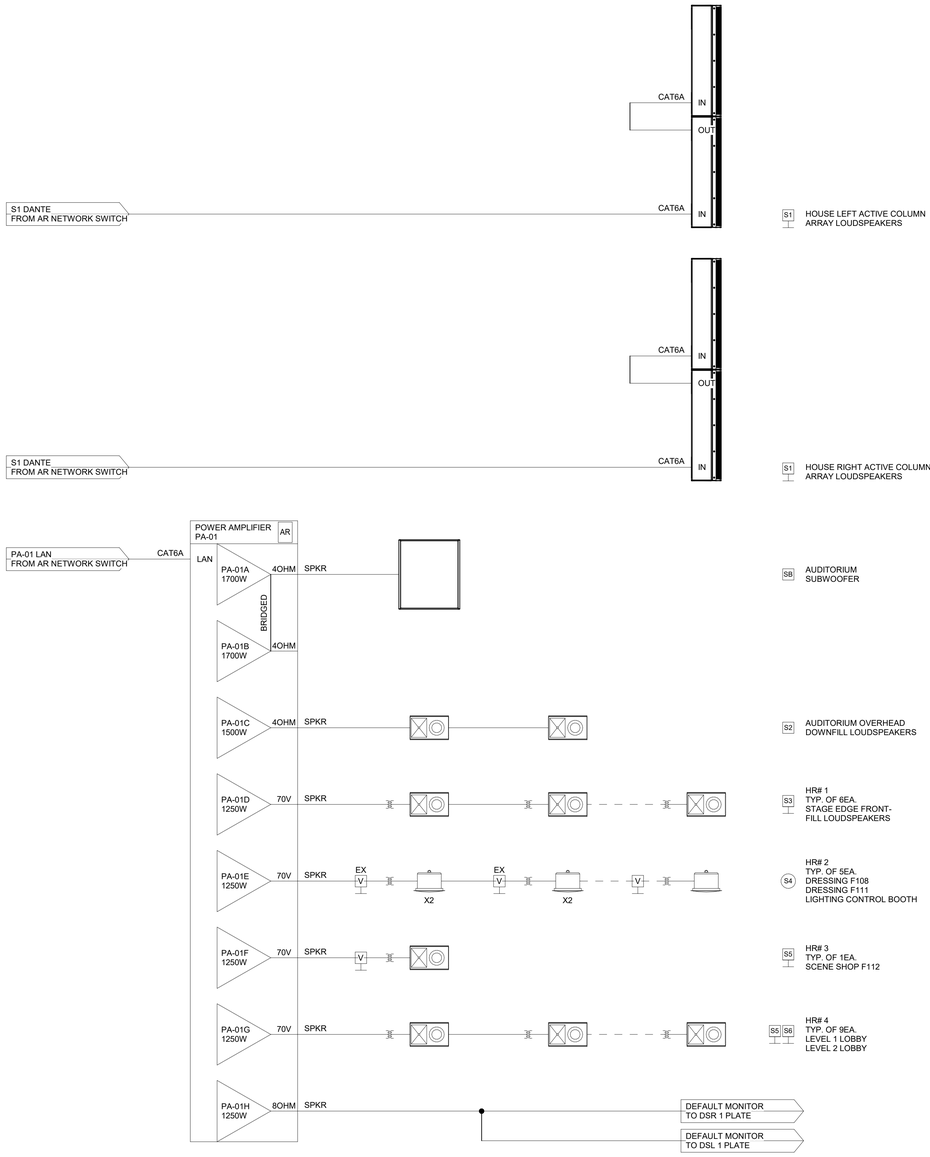
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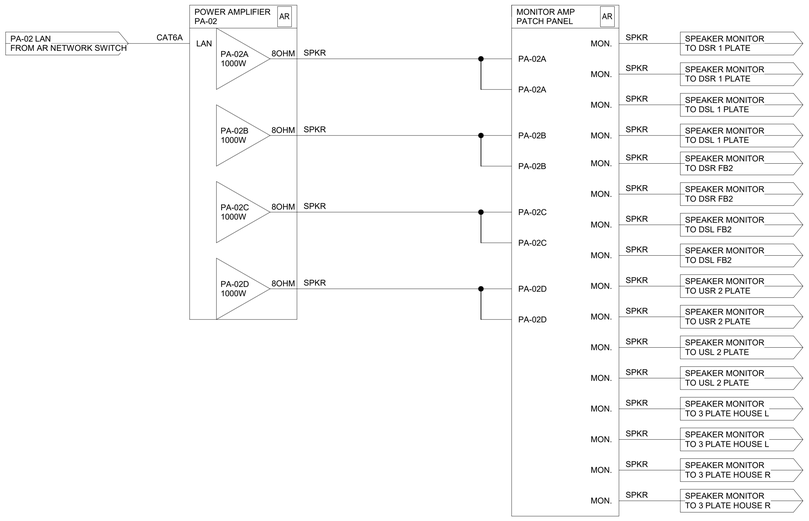
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1 AUDIOVISUAL ONELINE DIAGRAM - AUDIO OUTPUTS

SCALE:NO SCALE

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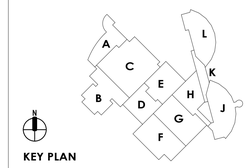
PROJECT TITLE

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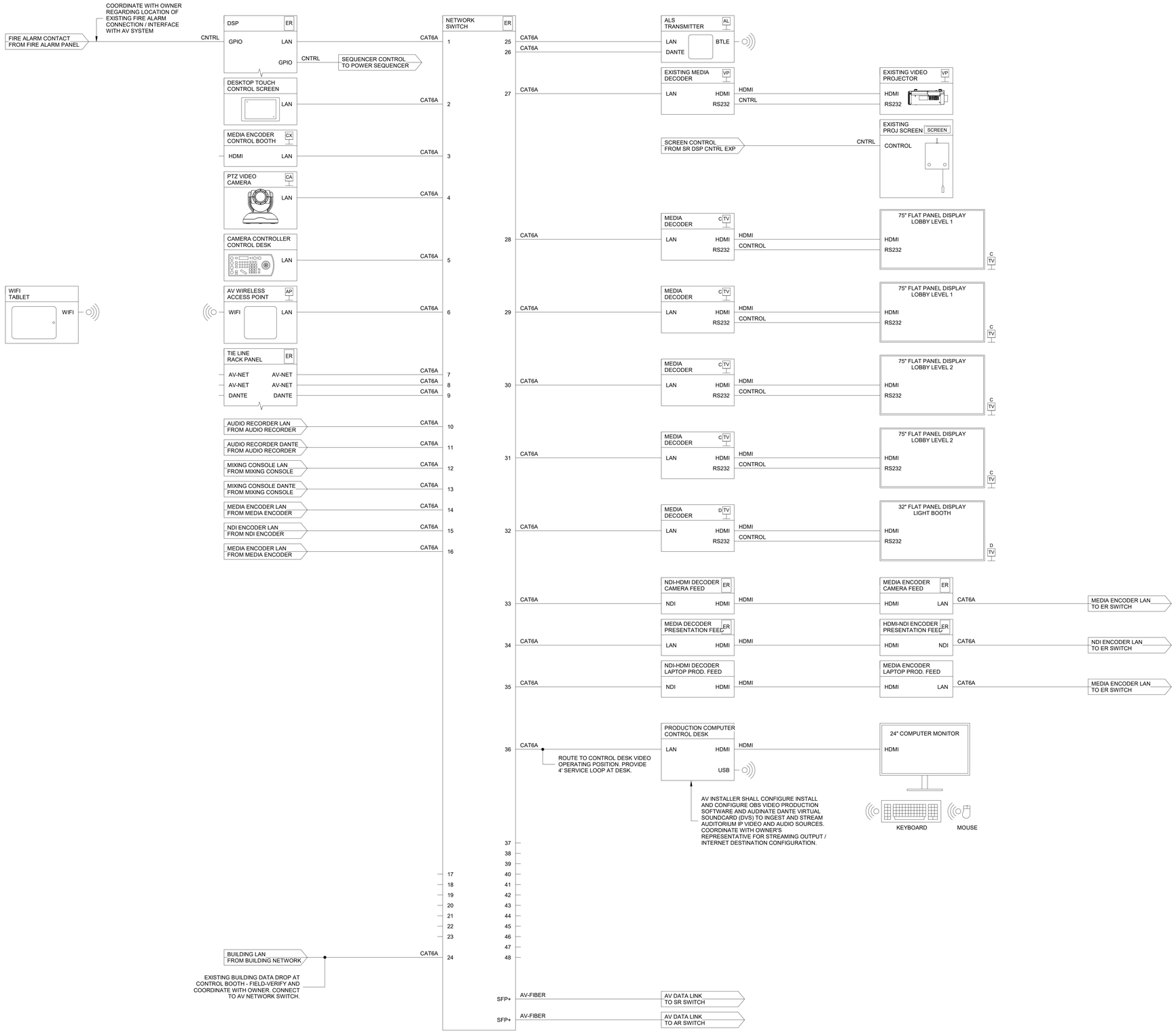
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1 AUDIOVISUAL ONELINE DIAGRAM - NETWORK/VIDEO/CONTROL 1

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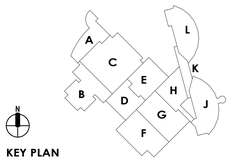
PROJECT TITLE

Dexter High School Fitness/Entry Addition

Dexter Community Schools
Dexter, MI

DRAWING TITLE

Audiovisual Oneline Diagram



KEY PLAN

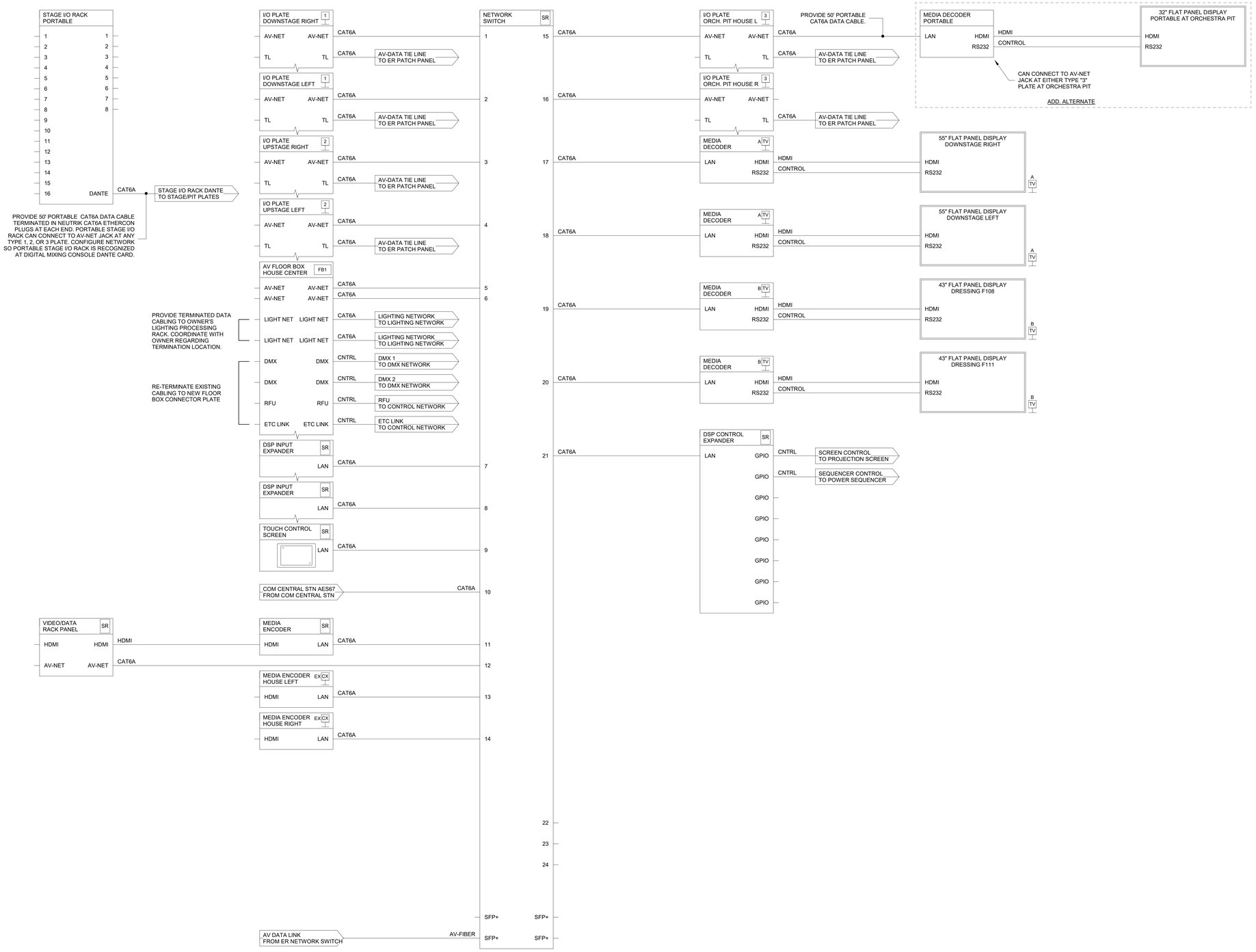
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1 AUDIOVISUAL ONELINE DIAGRAM - NETWORK/VIDEO/CONTROL 2

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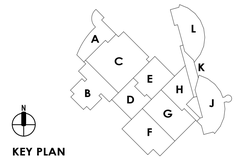
PROJECT TITLE

Dexter High School Fitness/Entry Addition

Dexter Community Schools
Dexter, MI

DRAWING TITLE

Audiovisual Oneline Diagram



KEY PLAN

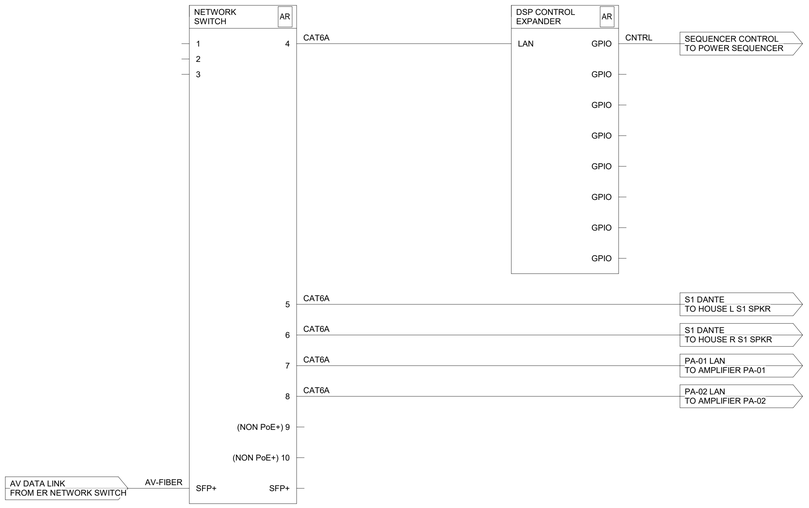
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1 AUDIOVISUAL ONELINE DIAGRAM - NETWORK/VIDEO/CONTROL 3

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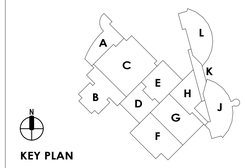
PROJECT TITLE

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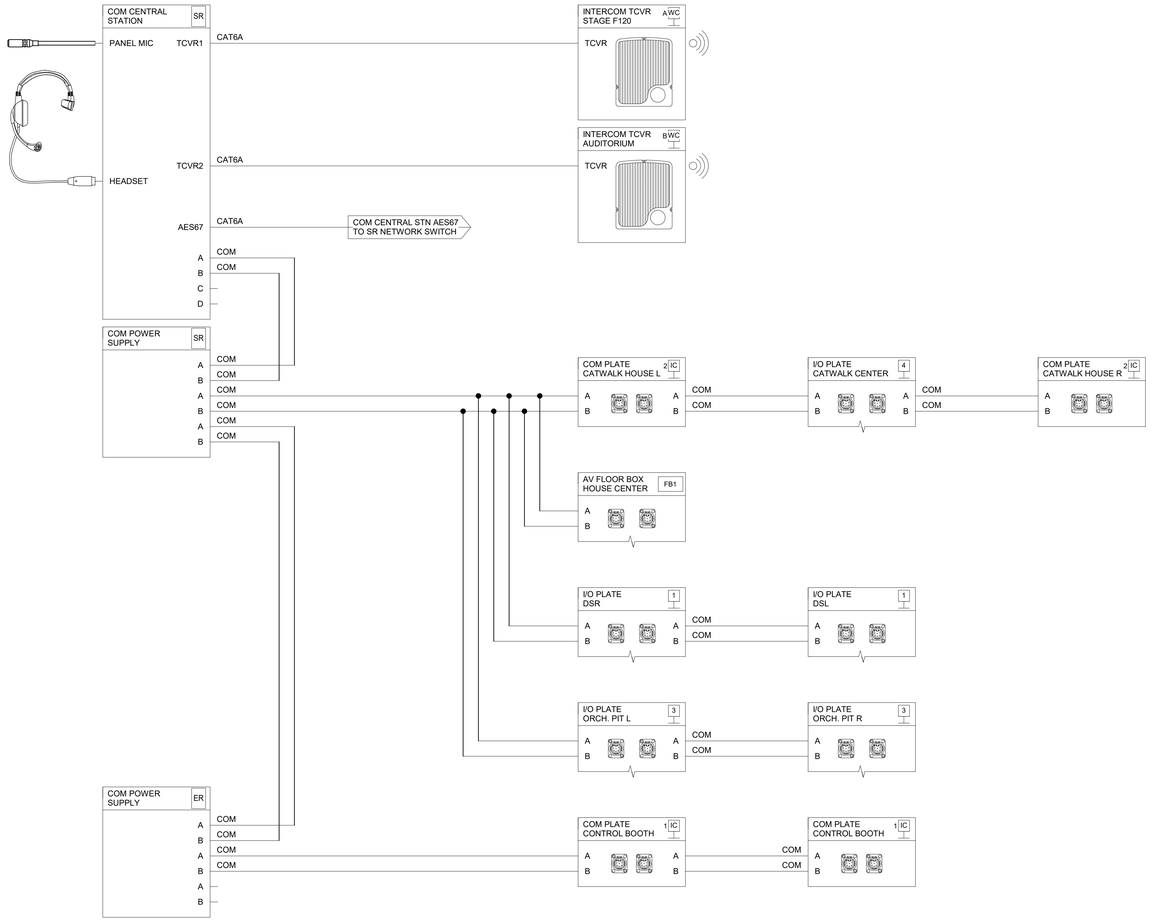
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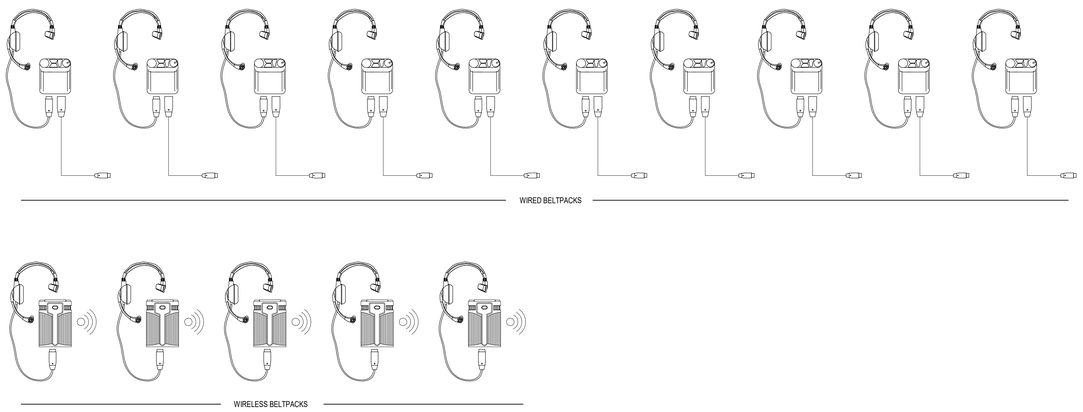
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1 AUDIOVISUAL ONELINE DIAGRAM - PRODUCTION INTERCOM

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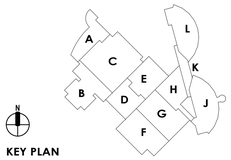
PROJECT TITLE

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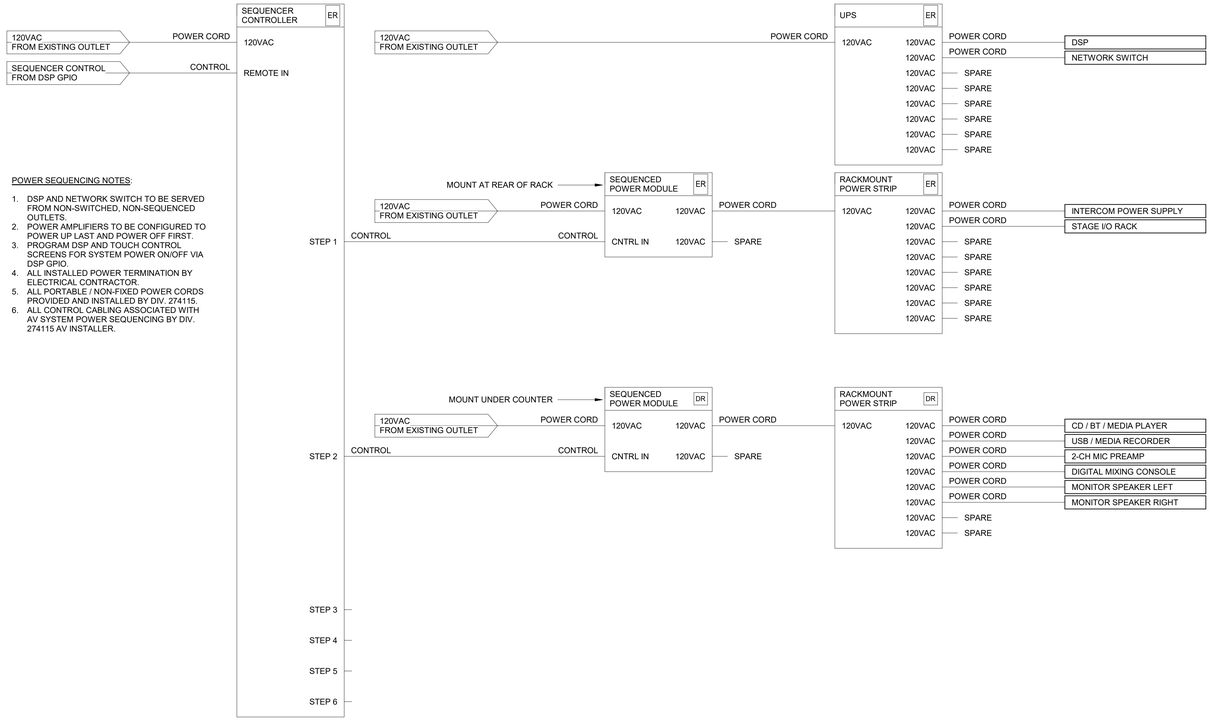
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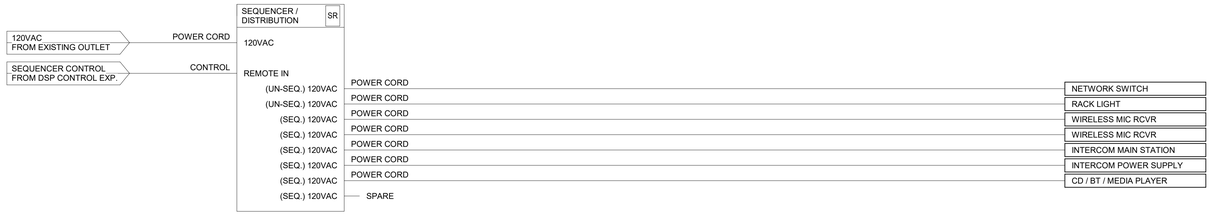
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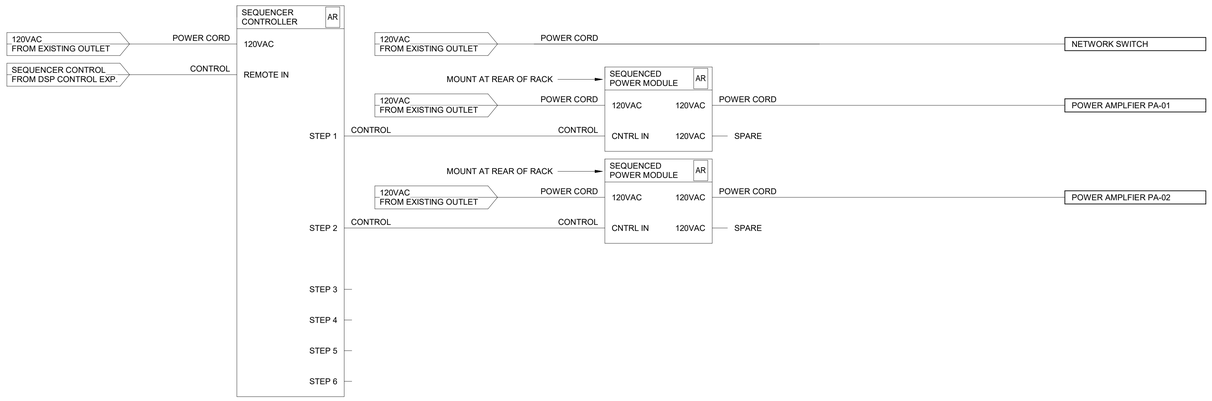
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POWER SEQUENCING NOTES:

1. DSP AND NETWORK SWITCH TO BE SERVED FROM NON-SWITCHED, NON-SEQUENCED OUTLETS.
2. POWER AMPLIFIERS TO BE CONFIGURED TO POWER UP LAST AND POWER OFF FIRST.
3. PROGRAM DSP AND TOUCH CONTROL SCREENS FOR SYSTEM POWER ON/OFF VIA DSP GPIO.
4. ALL INSTALLED POWER TERMINATION BY ELECTRICAL CONTRACTOR.
5. ALL PORTABLE / NON-FIXED POWER CORDS PROVIDED AND INSTALLED BY DIV. 274115.
6. ALL CONTROL CABLING ASSOCIATED WITH AV SYSTEM POWER SEQUENCING BY DIV. 274115 AV INSTALLER.





1 AUDIOVISUAL ONELINE DIAGRAM - POWER SEQUENCING

SCALE:NO SCALE

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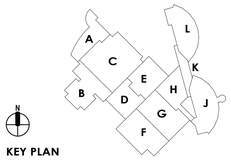
PROJECT TITLE

Dexter High School Fitness/Entry Addition

Dexter Community Schools
Dexter, MI

DRAWING TITLE

Audiovisual Oneline Diagram



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AV6.9

COMMUNICATION SYMBOL LEGEND

SYMBOL	DESCRIPTION
⬡ 1	THIS SYMBOL WITH A NUMBER INSIDE REFERS TO KEYNOTES. REFER TO NOTES ON THE SHEET OR WITHIN THE DETAIL FOR ADDITIONAL INFORMATION
A	EQUIPMENT SCHEDULE. THIS SYMBOL WITH LETTERS INSIDE REFERS EQUIPMENT SCHEDULES, SEE DETAILS AND EQUIPMENT SCHEDULES ON TC101, TC301, TC501 AND TC701.
1	CABLE SCHEDULE. THIS SYMBOL WITH NUMBERS INSIDE REFERS EQUIPMENT SCHEDULES, SEE DETAILS AND EQUIPMENT SCHEDULES ON TC101, TC301, TC501 AND TC701.
◇ XXXX	DATA COMMUNICATIONS OUTLET CONNECTIVITY CODE. X IS A 1 THRU 99. SEE TC1XX SHEETS FOR SPECIFIC REQUIREMENTS. XXXX NOTES THAT THE CABLE IS FOR A SPECIFIC USE
◇ 12:08 12:08	TWO SIDED DIGITAL CLOCK. SEE CONNECTIVITY CODE FOR CLOCK TYPE.
◇ 12:08	SINGLE SIDED DIGITAL CLOCK. SEE CONNECTIVITY CODE FOR CLOCK TYPE.

ABBREVIATIONS

ABBREV.	DESCRIPTION	ABBREV.	DESCRIPTION
2G	TWO-GANG BOX – PROVIDED BY EC	NIC	NOT IN CONTRACT
AC	ABOVE COUNTER – INSTALL BACKBOX SAME HEIGHT AS OTHER ELECTRICAL OUTLETS ABOVE THE COUNTER.	PBO	PROVIDED BY OTHERS
AFF	ABOVE FINISHED FLOOR	PCO-1	PATCH CORD ORGANIZER – 1 UNIT HIGH
AFG	ABOVE FINISHED GROUND	PCO-2	PATCH CORD ORGANIZER – 2 UNITS HIGH
AWG	AMERICAN WIRE GAUGE	PET	PROTECTED ENTRANCE TERMINAL
EMT	EMT TYPE CONDUIT	QTY	QUANTITY
EC	ELECTRICAL CONTRACTOR		

COMMUNICATION EQUIPMENT SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	PART NO.
A	TELECOMMUNICATIONS GROUND BAR (TGB). 1/4"x4"x10" EQUIPPED WITH INSULATED STAND-OFFS.	HUBBELL	HBBB14210A
B	SINGLE RACK UNIT PATCH CORD ORGANIZER (PCO-1) WITH HINGED COVER.	HUBBELL	HS13C
C	PATCH PANEL-24 PORT, EQUIPPED WITH 8-PIN MODULAR JACKS TO MATCH THE CABLE COLOR AND CABLE TYPE BEING TERMINATED. PROVIDE ONE MODULAR JACK FOR EACH CABLE BEING TERMINATED. SEE SPEC AND DRAWINGS FOR COLORS. EQUIP WITH REAR CABLE ORGANIZER	HUBBELL	PANEL: HPJ24 ORGANIZER: ECMBR3
D	2-POST RACK; 7'x19" BLACK RELAY RACK EQUIPPED WITH ONE FULL-LENGTH 6" VERTICAL ORGANIZER. RELAY RACK IS TO BE CONFIGURED WITH VERTICAL & HORIZONTAL CABLE LADDER AS SHOWN ON THE DRAWINGS AND AS DESCRIBED IN THE SPECS. EACH RACK SHALL BE CONFIGURED WITH ONE (1) 6" WIDE VERTICAL ORGANIZER WITH A COVER.	ORTRONICS	19-84-T2SD-B/ VO-84-T6E/ VO-84-T6CVE
E	POWER STRIP, VERTICAL, FOR BACK OF EACH RACK. SALL HAVE (14) NEMA 5-15/20R RECEPTACLES. PLUG INTO WALL OUTLET. SHALL HAVE L5-20P PLUG AND 15' CORD.ATTACH TO THE RACK OR VERTICAL CABLE LADDER OF EACH RACK.	EATON	PDUMV20-36
F	VERTICAL ORGANIZER. 6" WIDE. MOUNT TO SIDE OF RACKS AND IN BETWEEN RACKS WHEN THERE ARE MULTIPLE RACKS IN A ROW	RXL	3326-BK06
G	RACK MOUNT FIBER PANEL. USE WHEN TERMINATING 24 OR LESS FIBER STRANDS. PROVIDE EACH FIBER PANEL WITH "SC" SIX OR 12 PACKS AS REQUIRED FOR TERMINATION OF ALL FIBERS. PROVIDE SPLICE TRAY AND SHELF FOR FUSION SPLICES TO PIGTAILS.	HUBBELL	FPR3SP
H	FIBER OPTIC CABLE STOWAGE RING. WALL MOUNTED. 12" OR 24". PROVIDE AND INSTALL TO SUPPORT BEND RADIUS REQUIREMENTS OF THE FIBER CABLE'	LEVITON	12" #48900-IFR / 24" #48900-OFR

CABLE SCHEDULE

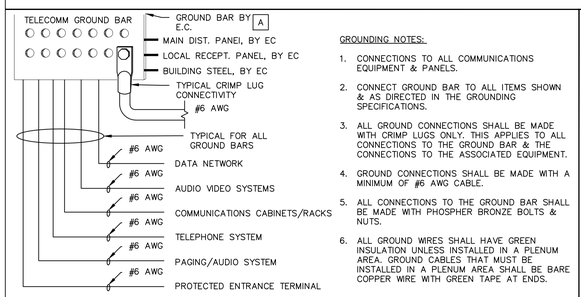
MARK	DESCRIPTION	MANUFACTURER	PART NO.
1	CAT-6 UTP CABLES FOR DATA COMMUNICATIONS SHALL BE BLUE IN COLOR	MOHAWK	M58281
2	CAT-6 UTP CABLES FOR SECURITY CAMERAS SHALL BE GREEN IN COLOR	MOHAWK	M58286
3	CAT-6A UTP CABLES FOR WIRELESS ACCESS POINTS SHALL BE YELLOW IN COLOR	MOHAWK	M59148
4	CAT-6 UTP CABLES FOR TIE PANELS BETWEEN COMM ROOMS SHALL BE VIOLET IN COLOR	MOHAWK	M58290
5	CAT-6 UTP CABLES FOR CLOCK/PAGING CONNECTIVITY SHALL BE BROWN IN COLOR	MOHAWK	M58756
6	12 STRAND SINGLEMODE FIBER CABLE, PLENUM RATED -ARMORED	OCC	DZ012TSLX9YP18

ANALOG PAGING SPEAKER EQUIPMENT SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	PART NO.
S21	PAGING SYSTEM SPEAKER. INDOOR/OUTDOOR HORN.	ATLAS IED	GA-30T
S22	PAGING SYSTEM SPEAKER FOR DROP CEILING INSTALLATION. EQUIP WITH WHITE GRILL AND MULTI TAPS. PROVIDE T-BAR AND BACKBOX	ATLAS IED	SD72WV
S23	PAGING SYSTEM SPEAKER. SURFACE MOUNTED, INCLUDES BACKBOX. SHALL BE SURFACE MOUNTED FROM THE BUILDING STRUCTURE.	ATLAS IED	SBMS

IP PAGING CLOCK/SPEAKER EQUIPMENT SCHEDULE

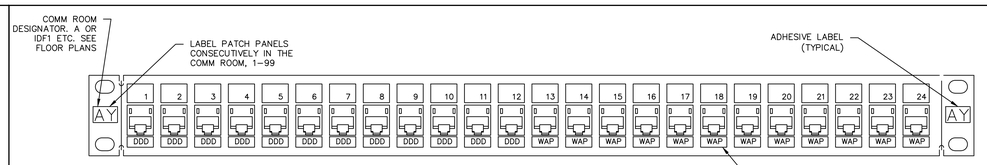
MARK	DESCRIPTION	MANUFACTURER	PART NO.
TA	DIGITAL IP WALL MOUNTED CLOCK WITH SPEAKER. INCLUDE TALKBACK MIC, FLASHER AND 25/70V SWITCH	ATLAS IED	IP-SDMF
TB	DIGITAL IP WALL MOUNTED CLOCK. INCLUDE FLASHER	ATLAS IED	IP-DD
TC	POE+ TO ANALOG GATEWAY ZONE CONTROLLER WITH AMPLIFIER AND RACK KIT	ATLAS IED	IPZCM1RMK
TD	AUDIO AMPLIFIER. SIZE TO DRIVE SPEAKERS CONNECTED	QSYS	SPA SERIES



GROUNDING NOTES:

1. CONNECTIONS TO ALL COMMUNICATIONS EQUIPMENT & PANELS.
2. CONNECT GROUND BAR TO ALL ITEMS SHOWN & AS DIRECTED IN THE GROUNDING SPECIFICATIONS.
3. ALL GROUND CONNECTIONS SHALL BE MADE WITH CRIMP LUGS ONLY. THIS APPLIES TO ALL CONNECTIONS TO THE GROUND BAR & THE CONNECTIONS TO THE ASSOCIATED EQUIPMENT.
4. GROUND CONNECTIONS SHALL BE MADE WITH A MINIMUM OF #6 AWG CABLE.
5. ALL CONNECTIONS TO THE GROUND BAR SHALL BE MADE WITH PHOSPHER BRONZE BOLTS & NUTS.
6. ALL GROUND WIRES SHALL HAVE GREEN INSULATION UNLESS INSTALLED IN A PLENUM AREA. GROUND CABLES THAT MUST BE INSTALLED IN A PLENUM AREA SHALL BE BARE COPPER WIRE WITH GREEN TAPE AT ENDS.

5 COMMUNICATIONS GROUNDING DETAIL — TC101



NOTES:
1. INSTALL A LABEL TO EACH PATCH PANEL DETAILING THE COMM ROOM NUMBER AND PATCH PANEL NUMBER. EACH PANEL IS PRE-NUMBERED 01-24 ON EACH PANEL.
2. ALL LABELS ADDED TO THE PANEL SHALL BE LASER PRINTED AND CUT TO FIT. ALL NUMBERS SHALL EXACTLY ALIGN WITH THE LOCATION ON THE PATCH PANEL.
3. IF THE PANEL IS NOT PRE-LABELED 01-24 THEN THE CONTRACTOR SHALL INSTALL A LABEL FOR EACH PORT.
4. THE CABLES SHALL BE TERMINATED ON THE PATCH PANEL IN NUMERICAL ORDER. NO EXCEPTIONS.
5. ADD LABELS FOR CAMERA NUMBERS OR WAP NUMBERS DEPENDING UPON PATCH PANEL. SEE RACK LAYOUTS TO DETERMINE IF CAMERA AND WAP CABLES WILL BE ON SEPARATE OR SHARED PATCHPANELS

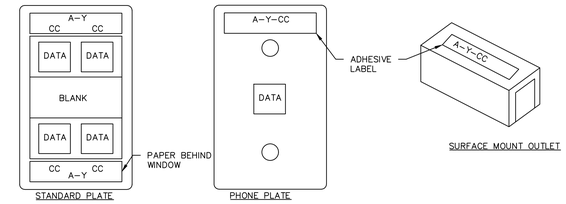
DATA CABLE LABELING A-Y-CC

A = COMMUNICATIONS ROOM NUMBER. A, B OR C ETC.
Y = PATCH PANEL IN THAT COMMUNICATIONS ROOM
CC = PORT NUMBER ON PATCH PANEL 1-24.

DDD = CAMERA NUMBER. MEET WITH OWNER AND SECURITY CONTRACTOR TO OBTAIN THIS NUMBER

WAP = WAP NUMBER. MEET WITH OWNER TO OBTAIN THIS NUMBER

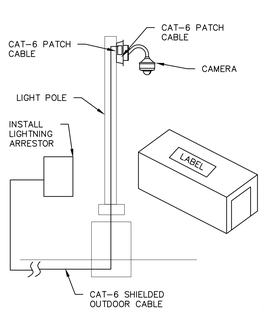
3 CAMERA OR WIRELESS PANEL LABELING — TC101



NOTES:
1. INSTALL A PAPER LABEL BEHIND THE PLASTIC WINDOW IN STANDARD PLATES THAT ARE EQUIPPED WITH THE WINDOWS.
2. PROVIDE ADHESIVE LABELS ON WALL PHONE PLATES & SURFACE MOUNT OUTLETS & PLATES WITHOUT LABELING WINDOWS.

DATA CABLE LABEL:
A = COMMUNICATIONS ROOM, A, B, ETC.
Y = PATCH PANEL IN THAT RACK OR CABINET 1-X
CC = PORT ON THAT PANEL FROM 01-24

1 TYPICAL FACEPLATE LABELING — TC101



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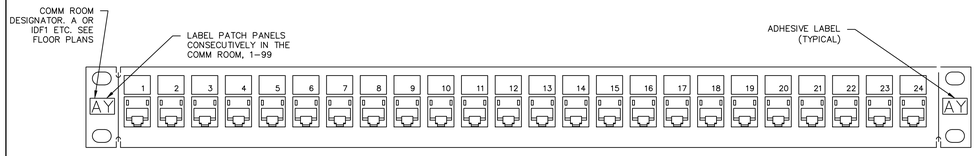
PARTS / CONNECTIVITY CODE

QTY	DESCRIPTION	MANUFACTURER	PART #
1	SURFACE BOX	HUBBELL	HSB10W
1	CAT-6 CABLES	PAIGE	25030303
1	CAT-6 JACK	HUBBELL	SHIELDED
1	LIGHTNING ARRESTOR WITH POE PASS THRU	EMERSON/EDCO	CAT6-POE

INSTALLATION NOTES:
1. PROVIDE A SURFACE MOUNT BOX IN THE CAMERA BACKBOX.
2. SEE SECURITY CAMERA ONE-LINE FOR ACTUAL ROUTING OF CABLES TO SERVE THE CAMERA.
3. INSTALL SHIELDED CAT-6 JACKS AT EACH END OF THE CABLE.
4. CONNECT TO LIGHTNING ARRESTOR AT THE BUILDING. CONNECT TO GROUND BAR IN COMM ROOM.

SECURITY CAMERA ON POLE

6 CONNECTIVITY CODE — TC101

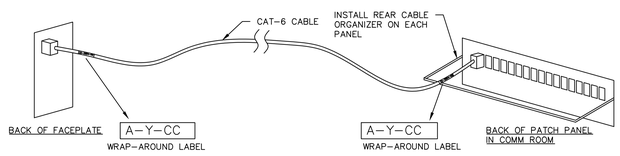


NOTES:
1. INSTALL A LABEL TO EACH PATCH PANEL DETAILING THE COMM ROOM NUMBER AND PATCH PANEL NUMBER. EACH PANEL IS PRE-NUMBERED 01-24 ON EACH PANEL.
2. ALL LABELS ADDED TO THE PANEL SHALL BE LASER PRINTED AND CUT TO FIT. ALL NUMBERS SHALL EXACTLY ALIGN WITH THE LOCATION ON THE PATCH PANEL.
3. IF THE PANEL IS NOT PRE-LABELED 01-24 THEN THE CONTRACTOR SHALL INSTALL A LABEL FOR EACH PORT.
4. INDIVIDUAL CABLES AT A SINGLE FACEPLATE SHALL BE LABELED IN SEQUENCE AS PER THE PATCH PANEL.
5. THE CABLES SHALL BE TERMINATED ON THE PATCH PANEL IN NUMERICAL ORDER. NO EXCEPTIONS.

DATA CABLE LABELING A-Y-CC

A = COMMUNICATIONS ROOM NUMBER. A, B OR C ETC.
Y = PATCH PANEL IN THAT COMMUNICATIONS ROOM
CC = PORT NUMBER ON PATCH PANEL 0-24.

4 CAT-6 DATA PANEL LABELING — TC101



NOTES:
1. INSTALL A WRAP-AROUND LABEL AT EACH END OF EACH CABLE.
2. WRAP-AROUND LABELS SHALL BE LASER-PRINTED AND SHALL BE SELF-LAMINATING.

CABLE LABEL:

A = COMMUNICATIONS ROOM NUMBER. A, B OR C ETC.
Y = PATCH PANEL IN THAT COMMUNICATIONS ROOM
CC = PORT NUMBER ON PATCH PANEL 0-24.
DDD = CAMERA OR WAP NUMBER

2 TYPICAL CABLE LABELING AT FACEPLATE & PATCH PANEL — TC101

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PROJECT TITLE
HIGH SCHOOL ADDITION

Dexter Community School District

DRAWING TITLE
Cabling Legends, Schedules & Details

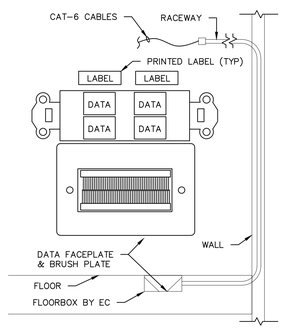
ISSUE DATES

DATE:	ISSUED FOR:
03-09-26	D.R. 1 – CONSTRUCTION DOCUMENTS

DRAWN	BVH
CHECKED	BWH
APPROVED	BWE

PROJECT NO.
25026D

DRAWING NO.
TC101



10

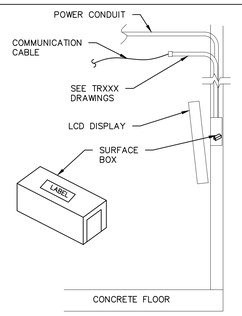
PARTS

CONNECTIVITY CODE			
QTY	DESCRIPTION	MANUFACTURER	PART #
4	CAT-6 CABLES	MOHAWK	M58281
4	CAT-6 JACK	HUBBELL	HXJ6OW
1	4-HOLE 106	HUBBELL	ISF4OW
1	1-GANG BRUSH PLATE	VANCO	VAN-120817X

INSTALLATION NOTES:

1. INSTALL DATA CABLES THRU RACEWAY AND INTO FLOORBOX.
2. IF IN-FLOOR BOX IS A POKE-THRU THEN CABLES SHALL BE INSTALLED IN CEILING OF FLOOR BELOW.
3. PROVIDE BRUSH PLATE FOR ACCESS CONTROL CABLING PASS-THRU.
4. EACH CABLE SHALL BE LABELED AT EACH END WITH A LASER PRINTED WRAP AROUND LABEL.
5. SEE FLOORPLAN FOR INSTALLATION LOCATION.

10 CONNECTIVITY CODE
TC102



5

RACEWAY CODE

PARTS

CONNECTIVITY CODE			
QTY	DESCRIPTION	MANUFACTURER	PART #
1	SURFACE BOX	HUBBELL	HSB10W
1	CAT-6 CABLES	MOHAWK	M58281
1	CAT-6 JACK	HUBBELL	HXJ6OW

INSTALLATION NOTES:

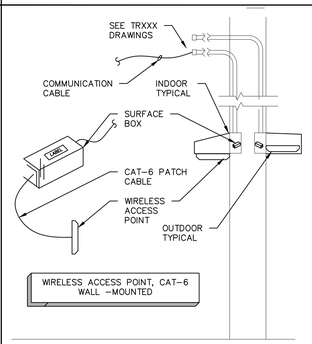
1. LABEL CABLE AND SURFACE BOX WITH CABLE NUMBER
2. COIL DATA CABLE AND MOUNT SURFACE MOUNT BOX TO SIDE OF THE IN-WALL BACKBOX.

5 CONNECTIVITY CODE
TC102

INSTALLATION NOTES:

1. REFER TO THESE NOTES FOR ALL CONNECTIVITY CODES. FOR SPECIALIZED NOTES SEE THE ACTUAL CONNECTIVITY CODE.
2. ROUTE ALL USER CABLES FROM THE RACK OR CABINET, THROUGH THE CABLE TRAY IF SO PROVIDED. IF NO CABLE TRAY IS SHOWN INSTALL CABLES THROUGH "J" HOOKS. PROVIDE ALL "J" HOOKS.
3. CABLES SHALL BE SUPPORTED NO LESS THAN EVERY 5 FEET.
4. PROVIDE A SMALL LOOP OF CABLE ABOVE THE CEILING PRIOR TO INSTALLING THE CABLE INTO THE USER CONDUIT OR RACEWAY.
5. ROUTE THE CABLE THROUGH THE CONDUIT OR RACEWAY AND TO THE WALLBOX, FLOORBOX OR SURFACE MOUNT BOX. PROVIDE ENOUGH EXTRA CABLE FOR TERMINATION AND MAINTENANCE.
6. TERMINATE ALL CABLES WITH THE CORRECT CONNECTORS.
7. ALL CONNECTORS SHALL BE INSERTED INTO THE KEYSTONE PLATES AND THEN THE KEYSTONE PLATES SHALL BE INSTALLED INTO THE FACEPLATES.
8. INSTALL FACEPLATES TO THE BOXES OR DIRECTLY TO THE WALL OR FURNITURE IN THE CASE OF SURFACE MOUNT BOXES.
9. EACH CABLE SHALL HAVE A LASER-PRINTED, SELF-LAMINATING WRAP-AROUND LABEL AT EACH END. SEE DETAILS ON TC101
10. OUTLETS SHALL BE AT 18" AFF UNLESS NOTED ON THE CONNECTIVITY CODE OR PLAN DRAWINGS.
11. LABEL EACH FACEPLATE WITH A LASER-PRINTED LABEL THAT IS INSTALLED BEHIND THE CLEAR PLASTIC LABEL STRIP. WHERE NO LABEL STRIP IS PROVIDED, THE CONTRACTOR SHALL INSTALL A LASER PRINTED ADHESIVE LABEL. WHERE SPECIFICALLY NOTED, THE CONTRACTOR SHALL INSTALL ENGRAVED LAMACOID LABELS.
12. AFTER INSTALLATION, ALL CABLES SHALL BE TESTED. SEE SPECIFICATIONS FOR TESTING REQUIREMENTS.
13. SEE DRAWINGS AND SPECS FOR DETAILS ON LABELING PLATES AND PANELS IN THE COMM ROOMS
14. PROVIDE FLEXIBLE CONDUIT FROM THE WALLBOX OR FLOORBOX TO THE FURNITURE RACEWAY WHERE CABLES ARE INSTALLED IN FURNITURE.

N CONNECTIVITY CODE
MOHAWK NOTE
TC102



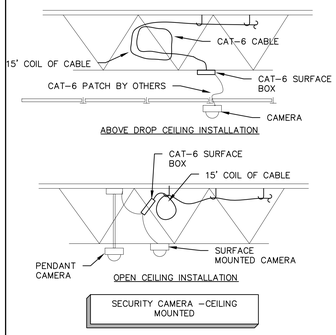
11

PARTS

CONNECTIVITY CODE			
QTY	DESCRIPTION	MANUFACTURER	PART #
1	SURFACE BOX	HUBBELL	HSB10W
1	CAT-6 CABLES-YELLOW	MOHAWK	M58283
1	CAT-6 JACK	HUBBELL	HXJ6Y
INDOOR MOUNT			
1	RIGHT ANGLE AP MOUNT OBERON		1011-00-WH
OUTDOOR MOUNT			
1	RIGHT ANGLE AP MOUNT OBERON		1022 SERIES

NOTES:
1. IF NO CONDUIT EXISTS, FISH WALL.
2. INSTALL IN BACKBOX OR ABOVE CEILING.

11 CONNECTIVITY CODE
TC102



6

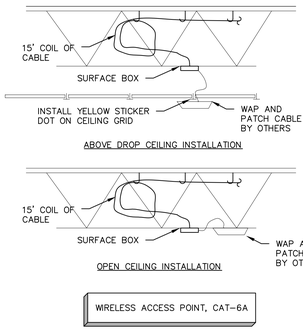
PARTS

CONNECTIVITY CODE			
QTY	DESCRIPTION	MANUFACTURER	PART #
1	SURFACE BOX	HUBBELL	HSB10W
1	CAT-6 CABLES-GREEN	MOHAWK	M58286
1	CAT-6 JACK	HUBBELL	HXJ6GN

INSTALLATION NOTES:

1. INSTALL A SURFACE MOUNT BOX TO THE BUILDING STRUCTURE NEAR THE SECURITY CAMERA LOCATION.
2. SEE FLOORPLAN FOR LOCATION.
3. SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR TYPE

6 CONNECTIVITY CODE
TC102



1

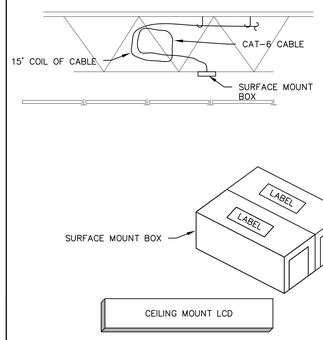
PARTS

CONNECTIVITY CODE			
QTY	DESCRIPTION	MANUFACTURER	PART #
1	SURFACE BOX	HUBBELL	HSB10W
1	CAT-6A CABLES-YELLOW	MOHAWK	M59148
1	CAT-6A JACK	HUBBELL	HJ6AY

INSTALLATION NOTES:

1. INSTALL A SURFACE MOUNT BOX TO THE BUILDING STRUCTURE NEAR THE ACCESS POINT LOCATION.
2. REVIEW CEILING PLAN FOR INSTALLATION. INSTALL CONDUIT FOR LOCATIONS WHERE THE LCD IS IN AN OPEN CEILING.
3. INSTALL A LASER PRINTED CABLE LABEL ON THE CEILING WHERE THE CABLE TERMINATES. THIS WILL ALLOW THE FUTURE USER TO FIND THE CABLE TO EVENTUALLY INSTALL WIRELESS ACCESS POINT.

1 CONNECTIVITY CODE
TC102



12

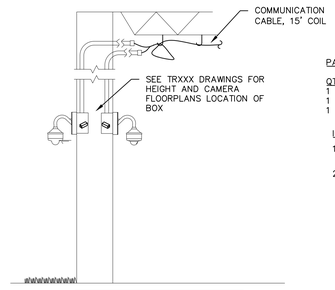
PARTS

CONNECTIVITY CODE			
QTY	DESCRIPTION	MANUFACTURER	PART #
2	SURFACE BOX	HUBBELL	HSB10W
2	CAT-6 CABLES	MOHAWK	M58281
2	CAT-6 JACK	HUBBELL	HXJ6OW

INSTALLATION NOTES:

1. INSTALL SURFACE MOUNT BOXES TO THE BUILDING STRUCTURE NEAR THE LCD LOCATION.
2. REVIEW CEILING PLAN FOR INSTALLATION. INSTALL CONDUIT FOR LOCATIONS WHERE THE LCD IS IN AN OPEN CEILING.
3. INSTALL A LASER PRINTED CABLE LABEL ON THE CEILING WHERE THE CABLE TERMINATES. THIS WILL ALLOW THE FUTURE USER TO FIND THE CABLE TO EVENTUALLY INSTALL THE DEVICE.

12 CONNECTIVITY CODE
TC102



7

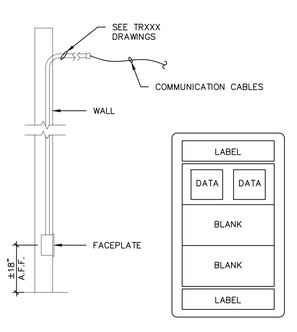
PARTS

CONNECTIVITY CODE			
QTY	DESCRIPTION	MANUFACTURER	PART #
1	SURFACE BOX	HUBBELL	HSB10W
1	CAT-6 CABLES-GREEN	MOHAWK	M58286
1	CAT-6 JACK	HUBBELL	HXJ6GN

INSTALLATION NOTES:

1. PROVIDE A SURFACE MOUNT BOX TO THE BACKBOX AT THE SECURITY CAMERA LOCATION.
2. SEE FLOORPLAN FOR INSTALLATION LOCATION. SEE TR RACEWAY DRAWINGS FOR HEIGHT OF CAMERA AND CABLING.

7 CONNECTIVITY CODE
TC102

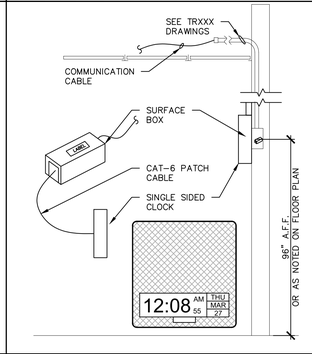


2

PARTS

CONNECTIVITY CODE			
QTY	DESCRIPTION	MANUFACTURER	PART #
1	FACEPLATE	HUBBELL	IMF1OW
2	CAT-6 CABLES	MOHAWK	M58281
2	CAT-6 JACK	HUBBELL	HXJ6OW
1	TWO-HOLE KEYSTONE	HUBBELL	IM2K1OW
2	1 UNIT BLANK	HUBBELL	IMB1OW

2 CONNECTIVITY CODE
TC102



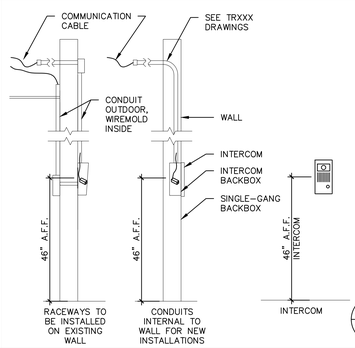
13

PARTS

CONNECTIVITY CODE			
QTY	DESCRIPTION	MANUFACTURER	PART #
1	SURFACE BOX	HUBBELL	HSB10W
1	CAT-6 CABLE-BROWN	MOHAWK	M58786
1	CAT-6 JACK-BROWN	HUBBELL	HXJ6BN
1	IP CLOCK	ATLASIED	IP-SDMF

NOTES:
1. CONTRACTOR SHALL FISH WALL IF POSSIBLE OR INSTALL WIREMOLD V700 FROM ACCESSIBLE CEILING TO CLOCK

13 CONNECTIVITY CODE
TC102



8

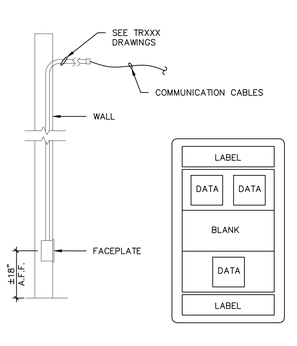
PARTS

CONNECTIVITY CODE			
QTY	DESCRIPTION	MANUFACTURER	PART #
1	SURFACE BOX	HUBBELL	HSB10W
1	CAT-6 CABLE-PURPLE	MOHAWK	M58290
1	CAT-6 JACK-PURPLE-RACK	HUBBELL	HXJ6P
1	CAT-6 JACK-PURPLE-PLATE	HUBBELL	HXJ6P

INSTALLATION NOTES:

1. PROVIDE A SURFACE MOUNT BOX TO THE BACKBOX AT THE INTERCOM LOCATION.
2. SEE FLOORPLAN FOR INSTALLATION LOCATION.
3. TERMINATE THE PURPLE CABLE WITH A PURPLE JACK AT BACKBOX AND AT COMM ROOM. CHOOSE LAST PORT ON A PATCH PANEL.

8 CONNECTIVITY CODE
TC102

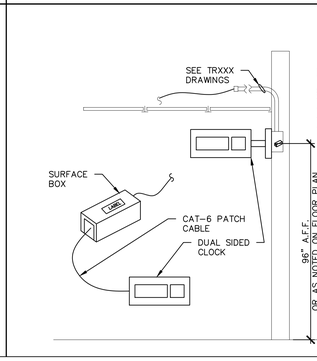


3

PARTS

CONNECTIVITY CODE			
QTY	DESCRIPTION	MANUFACTURER	PART #
1	FACEPLATE	HUBBELL	IMF1OW
3	CAT-6 CABLES	MOHAWK	M58281
3	CAT-6 JACK	HUBBELL	HXJ6OW
1	TWO-HOLE KEYSTONE	HUBBELL	IM2K1OW
1	ONE-HOLE KEYSTONE	HUBBELL	IM1K1OW
1	1 UNIT BLANK	HUBBELL	IMB1OW

3 CONNECTIVITY CODE
TC102

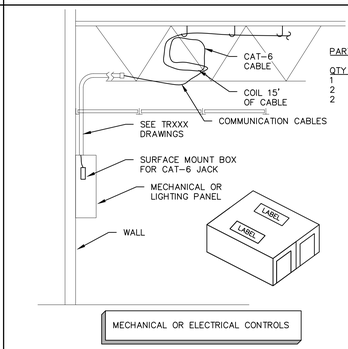


14

PARTS

CONNECTIVITY CODE			
QTY	DESCRIPTION	MANUFACTURER	PART #
1	SURFACE BOX	HUBBELL	HSB10W
1	CAT-6 CABLE	MOHAWK	M58281
1	CAT-6 JACK	HUBBELL	HXJ6BL
1	IP CLOCK	ATLASIED	IP-DDS

14 CONNECTIVITY CODE
TC102



9

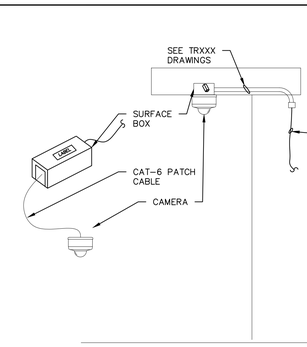
PARTS

CONNECTIVITY CODE			
QTY	DESCRIPTION	MANUFACTURER	PART #
1	SURFACE BOX	HUBBELL	HSB20W
2	CAT-6 CABLE,	MOHAWK	M58281
2	CAT-6 JACK	HUBBELL	HXJ6OW

INSTALLATION NOTES:

1. PROVIDE A SURFACE MOUNT BOX TO THE INTERIOR SIDE OF THE MECHANICAL CONTROLS PANEL LOCATION.
2. SEE FLOOR PLANS FOR INSTALLATION LOCATION.
3. TERMINATE CABLE AT COMM ROOM IN A PATCH PANEL. PROVIDE MODULAR JACK AT PANEL.
4. COORDINATE LOCATION WITH MECHANICAL OR ELECTRICAL CONTRACTOR

9 CONNECTIVITY CODE
TC102



4

PARTS

CONNECTIVITY CODE			
QTY	DESCRIPTION	MANUFACTURER	PART #
1	SURFACE BOX	HUBBELL	HSB10W
1	CAT-6 CABLES-GREEN	MOHAWK	M58286
1	CAT-6 JACK	HUBBELL	HXJ6GN

4 CONNECTIVITY CODE
TC102

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REGISTRATION SEAL

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ROCKFORD, MICHIGAN 49341
WWW.COMMTECHDESIGN.COM

PROJECT TITLE

HIGH SCHOOL ADDITION

Dexter Community School District

DRAWING TITLE

Cabling Connectivity Codes

ISSUE DATES

DATE:	ISSUED FOR:
03-09-26	D.R. 1 – CONSTRUCTION DOCUMENTS

DRAWN	BVH
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APPROVED	BWE

PROJECT NO.

25026D

DRAWING NO.

TC102

GENERAL NOTES:

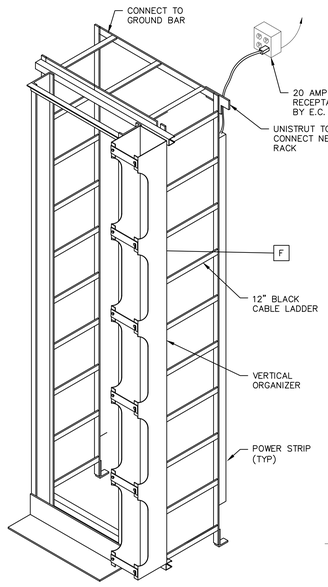
1. RACKS SHALL BE SECURED TO THE FLOOR WITH ANCHORS.
2. INSTALL THE BACKBONE CABLES THAT ROUTE BETWEEN COMMUNICATIONS ROOMS. COIL SPARE FIBER CABLE ON THE WALL. ROUTE CABLES TO THE RACK/CABINET VIA CABLE LADDER.
3. ALL USER DATA CABLES SHALL ROUTE IN THE CEILING & THEN ROUTE DOWN VERTICAL CABLE LADDER TO THE RACK. AT THE RACK/CABINET, PROVIDE A "DRIP LOOP" FOR ALL THE CABLES DRIP LOOP SHALL BE A MINIMUM OF ONE FOOT.
4. CONNECT ALL RACKS, CABINETS AND CABLE LADDER TO THE GROUND BAR AS DESCRIBED IN THE GROUNDING DETAIL DETAIL & THE GROUNDING SPECIFICATIONS.
5. CONTRACTOR SHALL INSTALL RACKS WITH ALL 12" CABLE LADDER AS SHOWN. CABLE LADDER SHALL BE USED FOR ROUTING CABLES FROM ABOVE & BELOW TO THE BACK OF THE PATCH PANELS IN THE RACKS.
6. CABLE LADDER SHALL BE INSTALLED VERTICALLY & HORIZONTALLY BEHIND EACH RACK. VERTICAL LADDER SHALL BE CENTERED DIRECTLY BEHIND THE 6" VERTICAL ORGANIZER.
7. ALL CABLE LADDER AND UNISTRUT SHALL BE CONFIGURED SO IT WILL NOT IMPEDE COMPONENTS INSTALLED IN THE RACK.
8. COMMUNICATIONS CONTRACTOR SHALL INSTALL POWER STRIPS TO THE BACK OF THE CABLE LADDER & EXTEND POWER CORD TO RECEPTACLE MOUNTED TO THE BACK OF THE VERTICAL ORGANIZER. RECEPTACLE SHALL BE A 20 AMP PLUG.
9. CONNECT RACK AND CABLE LADDER TO THE GROUND BAR IN THE COMM ROOM. SEPARATE GROUND CABLE FOR EACH. ENSURE ALL CABLE LADDER IS ELECTRICALLY CONNECTED WITH STAR WASHERS OR INDIVIDUAL GROUND BARS FOR EACH SECTION

WALLFIELD NOTES:

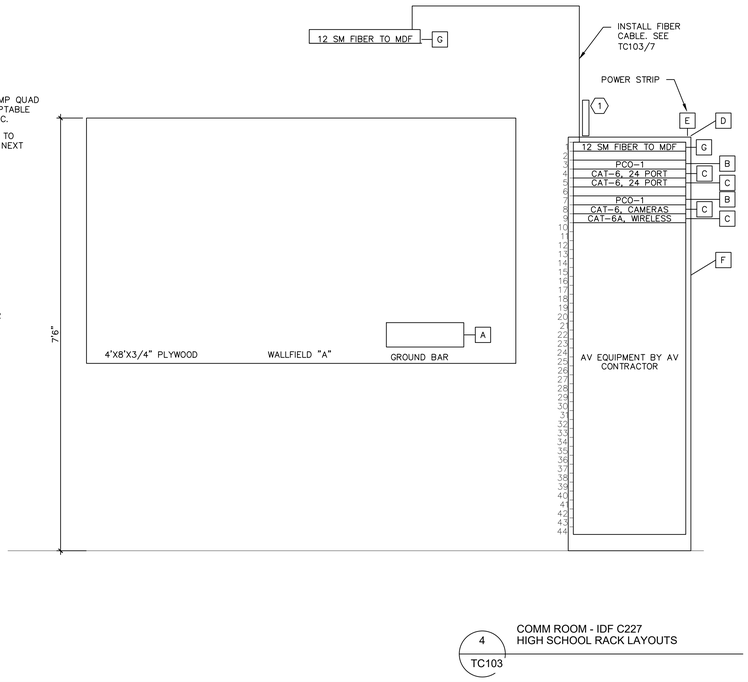
A. PLYWOOD SHALL BE INSTALLED ON THE WALL SHOWN IN THE COMMUNICATIONS ROOM FLOOR PLAN AND AS DETAILED IN THIS DRAWING.
B. VERTICAL PLYWOOD SHALL BE MOUNTED AT 12" AFF TO THE BOTTOM OF THE PLYWOOD
C. HORIZONTAL PLYWOOD SHALL BE MOUTED AT 42" AFF TO THE BOTTOM OF THE PLYWOOD.
D. PLYWOOD SHALL BE FIRE RESISTANT PLYWOOD. GRADE "A" ON THE SIDE TOWARDS THE USER.
E. PLYWOOD SHALL BE PAINTED WITH WHITE PAINT. LEAVE ONE OF THE FIRE RESISTANT STAMPS VISIBLE. DO NOT PAINT OVER THE STAMP.
F. THE CONTRACTOR SHALL INSTALL D-RINGS OR CABLE LADDER TO ROUTE CABLES HORIZONTALLY & VERTICALLY ALONG THE WALLFIELD.

KEYED NOTES:

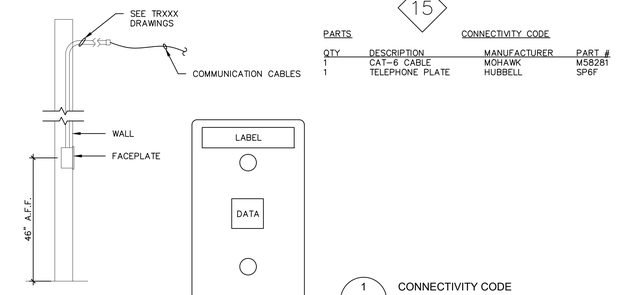
1. CONTRACTOR SHALL INSTALL 12" CABLE LADDER VERTICALLY FROM TOP OF CABINET OR RACK TO THE CEILING AREA FOR ROUTING USER CABLES TO THE PANELS.



CABLE LADDER DETAIL



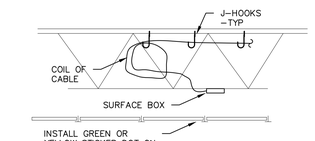
4 TC103 COMM ROOM - IDF C227 HIGH SCHOOL RACK LAYOUTS



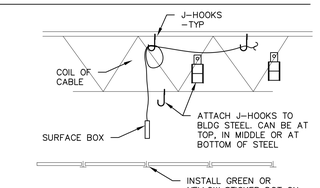
PARTS — CONNECTIVITY CODE

QTY	DESCRIPTION	MANUFACTURER	PART #
1	CAT-6 CABLE	MOHAWK	M58281
1	TELEPHONE PLATE	HUBBELL	SP6F

1 TC103 CONNECTIVITY CODE



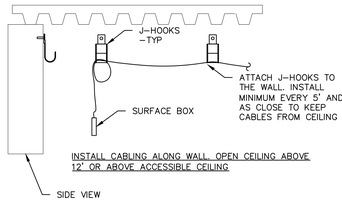
DROP CEILING INSTALLATION WHERE THERE IS BUILDING STEEL WITHIN 24" OF DROP CEILING

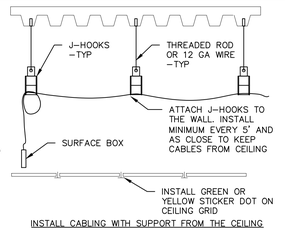


DROP CEILING INSTALLATION WHERE THERE IS BUILDING STEEL MOPE THAN 24" OF DROP CEILING

INSTALLATION NOTES:

1. CONTRACTOR SHALL INSTALL CABLE SUPPORTS TO ENSURE CABLES ARE NOT LAYING ON CONDUIT, WATERPIPE OR BUILDING STEEL.
2. CONTRACTOR SHALL INSTALL CABLE SUPPORTS SUCH AS J-HOOKS AND BRIDLE RINGS TO SUPPORT CABLE EVERY 5' MINIMUM
3. WHEN ROUTING CABLES ALONG A WALL, ABOVE A CEILING OR ABOVE 12' AFF, INSTALL J-HOOKS ON WALL EVERY 5' MINIMUM OR AS REQUIRED TO KEEP CABLES FROM RESTING ON CEILING.
4. THERE SHALL BE ABSOLUTELY NO USE OF TAPE OR TY-WRAPS ON THE CABLES. USE ONLY VELCRO STRAPS ON CABLE. DO NOT SUPPORT CABLE DIRECTLY TO CONDUITS, PIPES OR BUILDING STEEL.
5. DO NOT USE DROP CEILING TILE WIRES TO SUPPORT CABLES. WHERE NO BUILDING STEEL OR WALL IS AVAILABLE INSTALL DROP CEILING WIRES AND ANCHORT TO BUILDING STEEL OR DIRECTLY INTO CONCRETE CEILING.
6. INSTALL CABLE SUPPORTS DIRECTLY ABOVE THE CAMERA OR WAP LOCATION. COIL CABLE AND SUPPORT ON A J-HOOK OR BRIDLE RING. USE VELCRO TO SECURE LOOP TO THE CABLE SUPPORT.

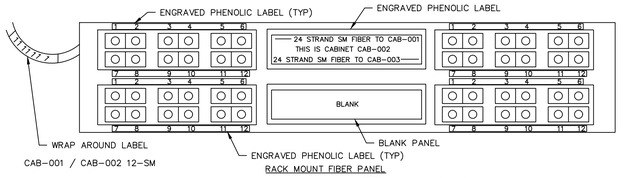




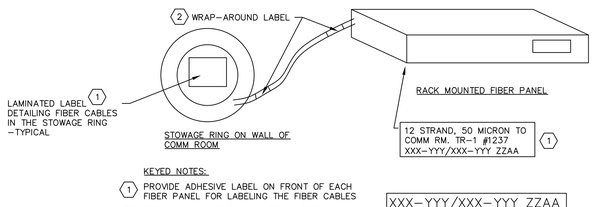
2 TC103 DATA CABLE SUPPORT DETAILS AND REQUIREMENTS

NOTES

1. THE FIBER PANELS AT THE RACK AND AT THE EXTERIOR CABINETS SHALL BE LABELED TO IDENTIFY THE FIBER.
2. LABELS IDENTIFYING THE FIBER CABLES SHALL BE ENGRAVED LABELS WITH BLACK BACKGROUND AND WHITE LETTERS.
3. SIZE THE LABELS TO MATCH THE SIZE OF THE PANEL. PROVIDE A SAMPLE TO THE OWNER AND ENGINEER PRIOR TO PURCHASING.
4. PROVIDE A WRAP-AROUND LABEL ON THE FIBER CABLE AS IT ENTERS THE PATCH PANEL. LASER PRINTED



8 TC103 FIBER OPTIC PANEL LABELING DETAIL
NOT TO SCALE



KEYED NOTES:

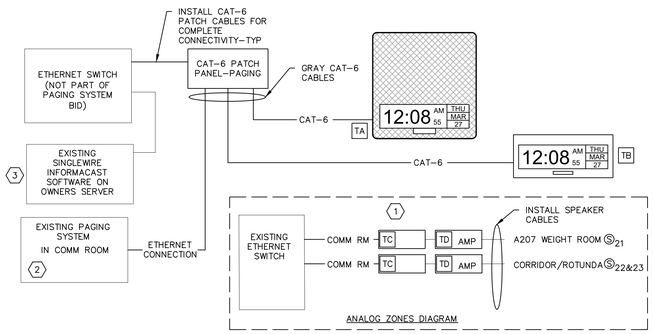
1. PROVIDE ADHESIVE LABEL ON FRONT OF EACH FIBER PANEL FOR LABELING THE FIBER CABLES
2. INSTALL SELF-LAMINATING, WRAP-AROUND LABELS AT FIBER PANEL AND STOWAGE RING.

XXX-YYY/XXX-YYY ZZAA
WRAP-AROUND LABEL
XXX = CABINET OR BUILDING. CAB/ADM IN EXAMPLE
YYY = CABINET NUMBER OR BUILDING ROOM #
ZZ = FIBER STRAND COUNT
AA = MULTIMODE MM OR SINGLEMODE SM

9 TC103 FIBER OPTIC CABLE LABELING

KEYED NOTES:

1. WHERE MULTIPLE SPEAKERS ARE REQUIRED TO BE ON THE SAME ZONE. PROVIDE AMPLIFIER AS REQUIRED TO POWER ALL SPEAKERS.
2. EXISTING PAGING SYSTEM IS INSTALLED IN AN EXISTING CABINET OR ON THE WALL IN THE COMMUNICATION ROOMS. COORDINATE WITH THE DISTRICT FOR LOCATIONS. CONNECT TO POWER.
3. LOAD ALL PAGING SYSTEM SOFTWARE ON NO LESS THAN 3 OF THE OWNERS PC'S AT THE BUILDING. SHALL WORK ON A WINDOWS OR APPLE DEVICE.



ANALOG ZONES DIAGRAM

NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CABLES ASSOCIATED WITH THE CONNECTIVITY OF THE PAGING/BELL SYSTEM. ALL SHALL BE PLENUM RATED
2. SEE BID SCOPES AND FLOORPLANS FOR WHO IS TO INSTALL THE CAT-6 CABLES FROM COMM ROOM TO ALL IP POE DEVICES.
3. ALL CABLES FOR PAGING SYSTEM SHALL BE GRAY AND PLENUM RATED.
4. CONTRACTOR SHALL LABEL EACH PAGING SYSTEM SPEAKER CABLE. THE LABEL SHALL BE "ZONE XXX" WHERE XXX DESIGNATES THE EXTENSION THAT THE CABLE IS CONNECTED TO. CABLES SHALL BE LABELED AT EACH TERMINATION POINT & AT EACH PATCH PANEL IN COMM ROOM
5. PROVIDE INTERCONNECTION CABLES AS REQUIRED FOR ZONES AND POWER DISTRIBUTION TO THE SPEAKERS FROM AMPLIFIERS AND FROM CLOCKS. CONTRACTOR SHALL VERIFY CONFIGURATION WITH ENGINEER PRIOR TO INSTALLATION.
6. IDENTIFY EXISTING SPEAKERS TO REMAIN AND EXISTING CABLE THAT ATTACHES TO THOSE SPEAKERS. ATTACH EXISTING CABLE TO IP TO ANALOG INTERFACE.
7. INSTALL A DIRECT TELEPHONE INTERFACE THAT WILL BE VIA A SIP TRUNK. CONFIGURE TELEPHONE SYSTEM AND PAGING SYSTEM TO ALLOW FULL CALLING FROM TELEPHONE SYSTEM TO ALL SPEAKERS ZONES.
8. PAGING SYSTEM SHALL HAVE AN INTEGRATED BELL SYSTEM THAT ALLOWS CONFIGURATION OF THE BELLS VIA A PC. OWNER SHALL BE ABLE TO EASILY CHANGE ON A PER-ZONE BASIS. USE IP NETWORK FOR CONNECTION.
9. THE CONTRACTOR SHALL CONSULT WITH THE OWNER PRIOR TO INSTALLATION. WORK OUT WHICH SPEAKERS WILL BE CONNECTED TO EACH AUDIO ZONE. SUBMIT A CONNECTIVITY DIAGRAM PRIOR TO INSTALLATION. INSTALL ALL CABLES FROM CLOCKS TO CONNECT NEW AND EXISTING SPEAKERS. REFER TO FLOORPLANS FOR NEW AND REMAINING SPEAKERS.
10. THE PAGING SYSTEM SHALL BE CONSTANTLY UPDATED VIA A NATIONAL TIME CONNECTION TO KEEP THE BELLS THE SAME TIME AS THE CLOCKS.
11. SYSTEM SHALL ALLOW THE USE OF TELEPHONES FOR PAGES TO BE MADE TO ANY INDIVIDUAL ZONE. THIS SHALL INCLUDE TALKBACK THRU THE TELEPHONE SYSTEM.
12. WORK WITH OWNER PRIOR TO INSTALLATION TO DESIGNATE EACH SPEAKER AND ITS ZONE CONNECTION AND NUMBER.
13. PROVIDE FOR TWO-WAY INTEGRATION TO THE EXISTING ACCESS CONTROL SYSTEM.
14. CONTACT CLOSURE (CC) OUT OF PACS TO PAGING SYSTEM WHEN LOCKDOWN BUTTON IS PUSHED. PAGING SYSTEM THEN TURNS ON BLUE LIGHT ON PAGING SPEAKERS AND SENDS PRE-RECORDED MESSAGE FOR THREE TIMES. CUSTOM RECORD MESSAGE FOR OWNER.
15. EACH CLOCK SHALL SHOW SCROLLING LOCKDOWN MESSAGE AND BLUE FLASHING LIGHT UNTIL LOCKDOWN IS RESET.
16. CONNECT PAGING SYSTEM TO PACS TO INITIATE AN ACCESS CONTROL SYSTEM LOCKDOWN WHEN PAGING SYSTEM LOCKDOWN IS PUSHED. THIS LOCKDOWN MAY ORIGINATE IN AN ADMINSTRATOR CELLPHONE THAT HAS THE REVOLUTION SOFWARE APPLICATION.
17. CREATE CUSTOM TONES FOR LOCKDOWN, TORNADO AND EVACUATE.
18. CONFIGURE THE AUTOMATIC AUDIO MESSAGES SUCH AS LOCKDOWN AND TORNADO TO "DUCK" WHEN AN ANNOUNCEMENT IS MADE FROM A TELEPHONE, DESKTOP MICROPHONE OR ADMIN STATION.
19. TORNADO WARNINGS AND SEVERE WEATHER WARNINGS: TRIGGER THIS THRU THE SOFTWARE. TORNADO AND EXTREME WEATHER SAHLL BE CONFIGURED FOR YELLOW LIGHTS AND SPECIFIC TONE TO BE REPEATED FOR AN OWNER SPECIFIED LENGTH OF TIME.

5 TC103 AUDIO PAGING AND CLOCK SYSTEM NETWORK ATTACHED. SYSTEM DIAGRAM

INSTALLATION NOTES:

1. CONTRACTOR SHALL INSTALL CABLES AROUND THE BUILDING AND SHALL SUPPORT CABLES AS PER NOTES, DETAILS AND INDUSTRY STANDARDS.
2. DO NOT USE ANY TY-WRAPS OR TAPE TO SUPPORT CABLES.
3. DO NOT ATTACH CABLES TO BUILDING STEEL, CONDUITS OR PIPES.
4. DO NOT INSTALL CONDUITS THRU A WALL WITHOUT INSTALLING NYLON GROMMETS TO THE END OF THE CONDUIT PASS THRUS.
5. DO NOT ALLOW CABLES TO REST ON HVAC DUCTS.

| = TIE WRAPS OR VELCRO IS NOT TO BE USED FOR DIRECT SUPPORT OF CABLES TO PIPES, STEEL OR BUILDING STRUCTURE

3 TC103 CABLE INSTALLATION AND SUPPORT TYPES OF SUPPORT THAT ARE DISALLOWED

KEYED NOTES:

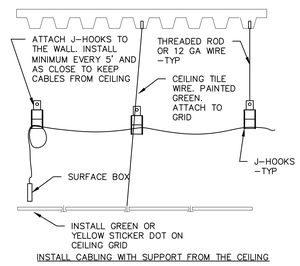
1. INSTALL FIBER OPTIC RINGS ON THE WALL OF THE COMM ROOM. PROVIDE A SPARE 30' COIL OF CABLE.
2. INSTALL FIBER CABLES THROUGH THE CONDUITS BETWEEN BUILDINGS. WHEN INSTALLING THE FIBER INSIDE THE BUILDING ENSURE IT IS ROUTED INSIDE CONDUIT. SEE ELECTRICAL PLANS FOR CONDUIT LOCATIONS
3. SEE RACK LAYOUTS FOR FIBER PANEL PARTS.

GENERAL NOTES:

1. INSTALL ALL EQUIPMENT SHOWN. THE CONTRACTOR SHALL WALK THE BUILDING AND SITE WITH THE OWNER PRIOR TO INSTALLATION TO IDENTIFY ACTUAL LOCATION OF ALL EQUIPMENT.
2. IDENTIFY LOCATION OF ALL FIBER PANELS IN THE RACKS WITH THE OWNER. PRIMARILY IDENTIFY AT THE TOP OF THE RACKS IN EACH COMM ROOM. LOCATE THE FIBER OPTIC STOWAGE RINGS ON THE WALL WITH THE DESIGNER.
3. ALL CABLES SHALL HAVE A WRAP-AROUND LABEL AT THE TERMINATION TO IDENTIFY THE CABLE AT EACH END. INSTALL AT COIL ON WALL AND WHERE THE FIBER ENTERS THE FIBER OPTIC PANEL
4. TEST ALL FIBER CABLES FOR LOSS. PROVIDE REPORTS.



7 TC103 BUILDING FIBER BACKBONE CONNECTIVITY



INSTALL CABLING WITH SUPPORT FROM THE CEILING

INSTALLATION NOTES:

1. CONTRACTOR SHALL INSTALL CABLE SUPPORTS TO ENSURE CABLES ARE NOT LAYING ON CONDUIT, WATERPIPE OR BUILDING STEEL.
2. CONTRACTOR SHALL INSTALL CABLE SUPPORTS SUCH AS J-HOOKS AND BRIDLE RINGS TO SUPPORT CABLE EVERY 5' MINIMUM
3. WHEN ROUTING CABLES ALONG A WALL, ABOVE A CEILING OR ABOVE 12' AFF, INSTALL J-HOOKS ON WALL EVERY 5' MINIMUM OR AS REQUIRED TO KEEP CABLES FROM RESTING ON CEILING.
4. THERE SHALL BE ABSOLUTELY NO USE OF TAPE OR TY-WRAPS ON THE CABLES. USE ONLY VELCRO STRAPS ON CABLE. DO NOT SUPPORT CABLE DIRECTLY TO CONDUITS, PIPES OR BUILDING STEEL.
5. DO NOT USE EXISTING DROP CEILING TILE WIRES TO SUPPORT CABLES. WHERE NO BUILDING STEEL OR WALL IS AVAILABLE INSTALL DROP CEILING WIRES AND ANCHOR TO BUILDING STEEL OR DIRECTLY INTO CONCRETE CEILING. ATTACH TO DROP CEILING GRID. PAINT WIRES GREEN PRIOR TO INSTALLATION.
6. INSTALL CABLE SUPPORTS DIRECTLY ABOVE THE CAMERA OR WAP LOCATION. COIL CABLE AND SUPPORT ON A J-HOOK OR BRIDLE RING. USE VELCRO TO SECURE LOOP TO THE CABLE SUPPORT.

6 TC103 DATA CABLE DROP CEILING CABLE SUPPPORT. TYPICAL

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PROJECT TITLE
HIGH SCHOOL ADDITION

Dexter Community School District

DRAWING TITLE
Cable Routing Details & Fiber Backbone

ISSUE DATES

03-09-26	D.R. 1 - CONSTRUCTION DOCUMENTS

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CHECKED	BNH
APPROVED	BWE

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25026D

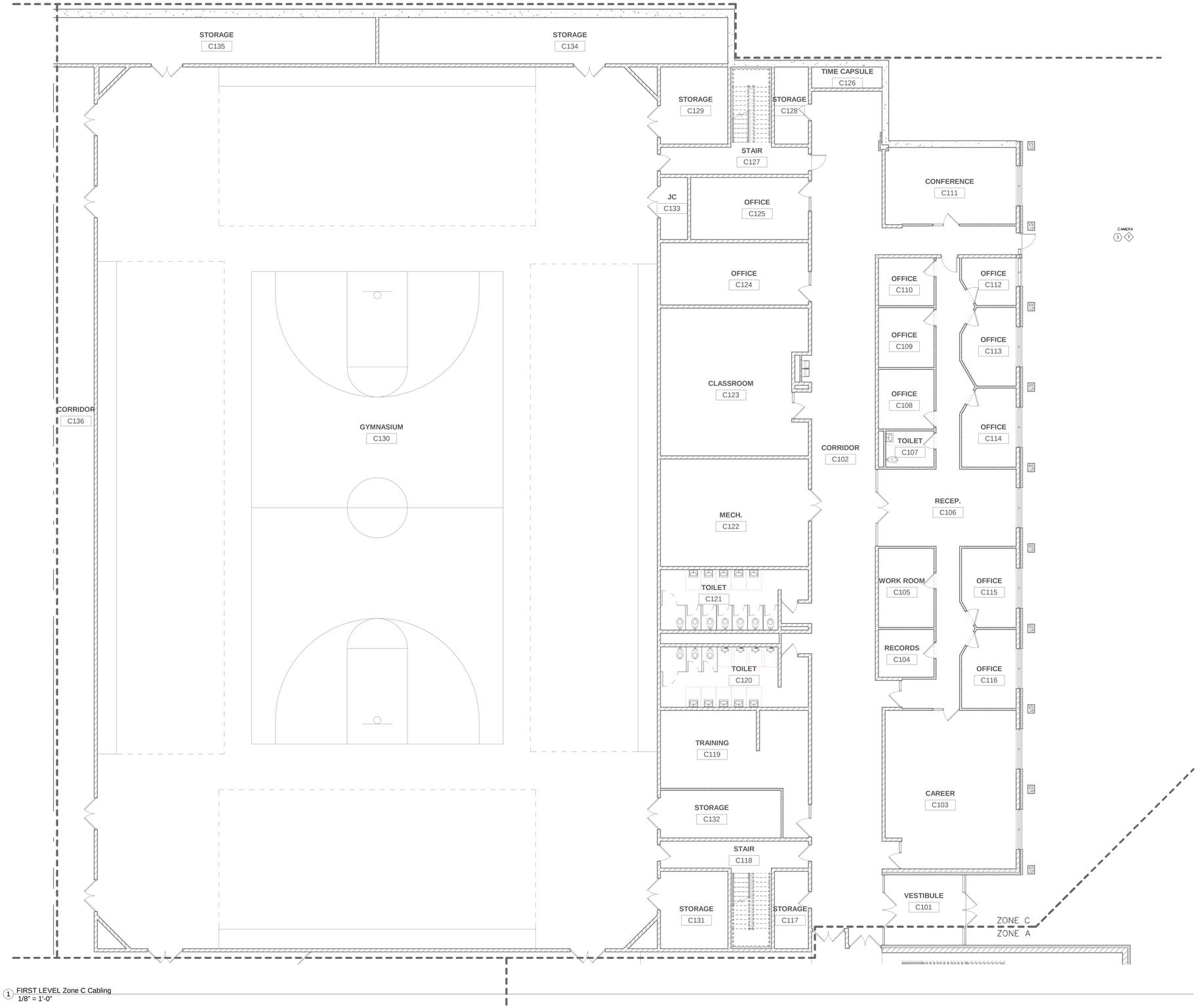
DRAWING NO.
TC103

GENERAL CABLING NOTES

1. COMMUNICATIONS CONTRACTOR SHALL INSTALL ANY PASS-THRU'S REQUIRED FOR ROUTING CABLES AROUND THE BUILDING THAT ARE NOT SHOWN AS BEING INSTALLED AS PART OF THE "TR" SERIES DRAWINGS. SEE ATTACHED.
2. CONTRACTOR SHALL COMPLETE A WALK-THRU OF THE SITE DURING CONSTRUCTION AND SHALL VERIFY ALL CONDUITS AND PASS THRU'S ARE INSTALLED FOR CABLES.
3. ALL CABLES SHALL BE SUPPORTED ABOVE THE DROP CEILING BY J-HOOKS. HOOKS SHALL BE LOCATED NO LESS THAN EVERY 5 FEET.

KEYED CABLING NOTES

1. PATCH SYSTEMS FURNITURE FACEPLATES INTO FLOORBOX FOR CONNECTIVITY. COORDINATE WITH ELECTRICAL AND FURNITURE CONTRACTORS.
2. ROUTE CABLES TO EXTERIOR POLES WHERE CAMERAS ARE PLANNED TO BE MOUNTED. COORDINATE WITH ELECTRICAL AND SECURITY CONTRACTOR.
3. ROUTE CONDUIT AND CABLE TO EXTERIOR WALL AND INSTALL BACKBOX FOR CAMERA. COORDINATE WITH SECURITY CONTRACTOR.



1 FIRST LEVEL Zone C Cabling
1/8" = 1'-0"

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PROJECT TITLE

HIGH SCHOOL ADDITIONS

DRAWING TITLE

FIRST FLOOR ZONE C CABLING PLAN

KEY PLAN

ISSUE DATES

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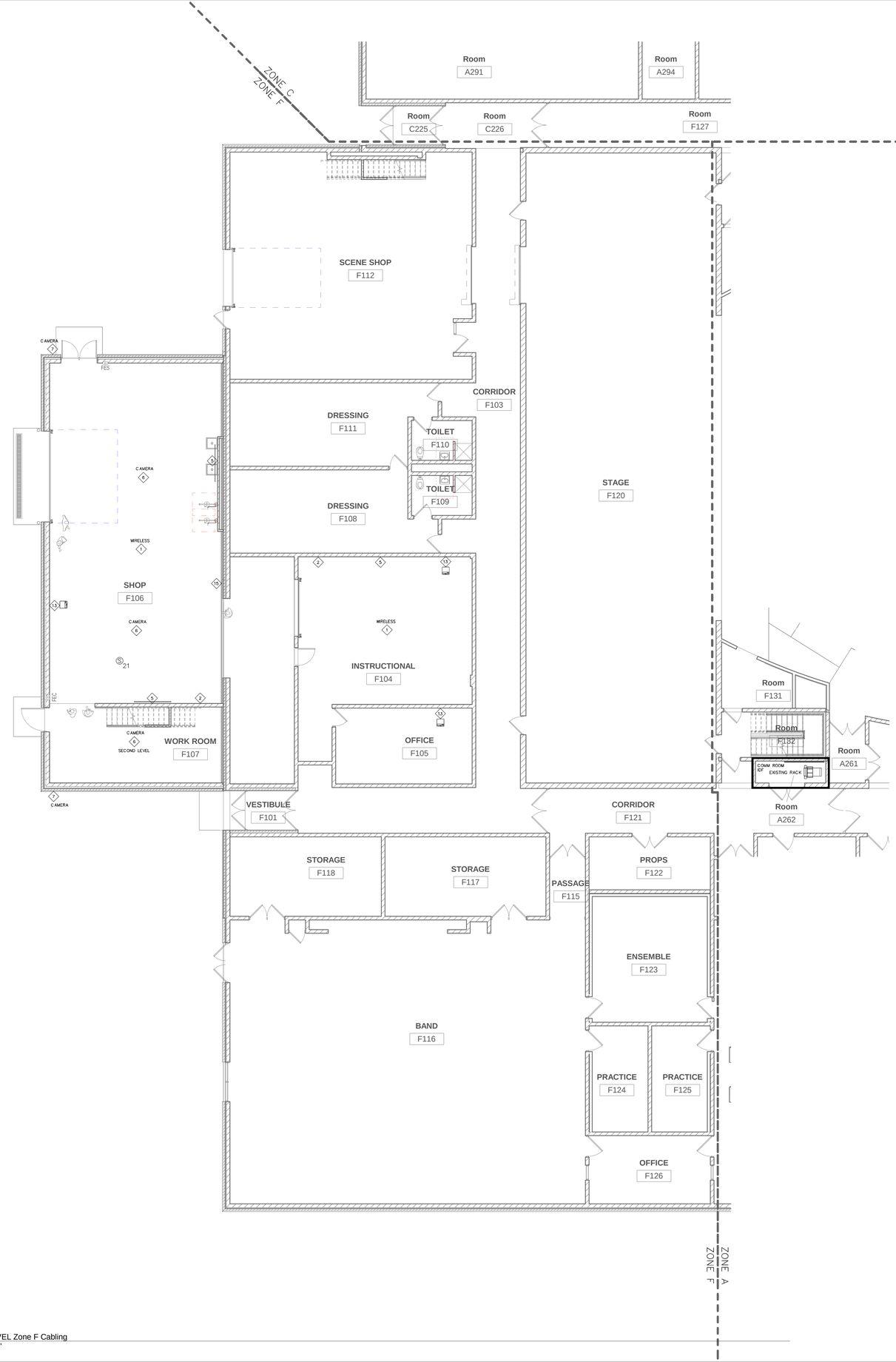
PROJECT NO.

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DRAWING NO.

TC201C

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1 FIRST LEVEL Zone F Cabling
1/8" = 1'-0"

GENERAL CABLING NOTES

1. COMMUNICATIONS CONTRACTOR SHALL INSTALL ANY PASS-THRU'S REQUIRED FOR ROUTING CABLES AROUND THE BUILDING THAT ARE NOT SHOWN AS BEING INSTALLED AS PART OF THE "TR" SERIES DRAWINGS. SEE ATTACHED.
2. CONTRACTOR SHALL COMPLETE A WALK-THRU OF THE SITE DURING CONSTRUCTION AND SHALL VERIFY ALL CONDUITS AND PASS THRU'S ARE INSTALLED FOR CABLES.
3. ALL CABLES SHALL BE SUPPORTED ABOVE THE DROP CEILING BY J-HOOKS. HOOKS SHALL BE LOCATED NO LESS THAN EVERY 5 FEET.

KEYED CABLING NOTES

1. PATCH SYSTEMS FURNITURE FACEPLATES INTO FLOORBOX FOR CONNECTIVITY. COORDINATE WITH ELECTRICAL AND FURNITURE CONTRACTORS.
2. ROUTE CABLES TO EXTERIOR POLES WHERE CAMERAS ARE PLANNED TO BE MOUNTED. COORDINATE WITH ELECTRICAL AND SECURITY CONTRACTOR.
3. ROUTE CONDUIT AND CABLE TO EXTERIOR WALL AND INSTALL BACKBOX FOR CAMERA. COORDINATE WITH SECURITY CONTRACTOR.

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PROJECT TITLE

HIGH SCHOOL ADDITIONS

DRAWING TITLE

FIRST FLOOR ZONE F CABLING PLAN

KEY PLAN

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APPROVED	BWE

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25026G

DRAWING NO.
TC201F

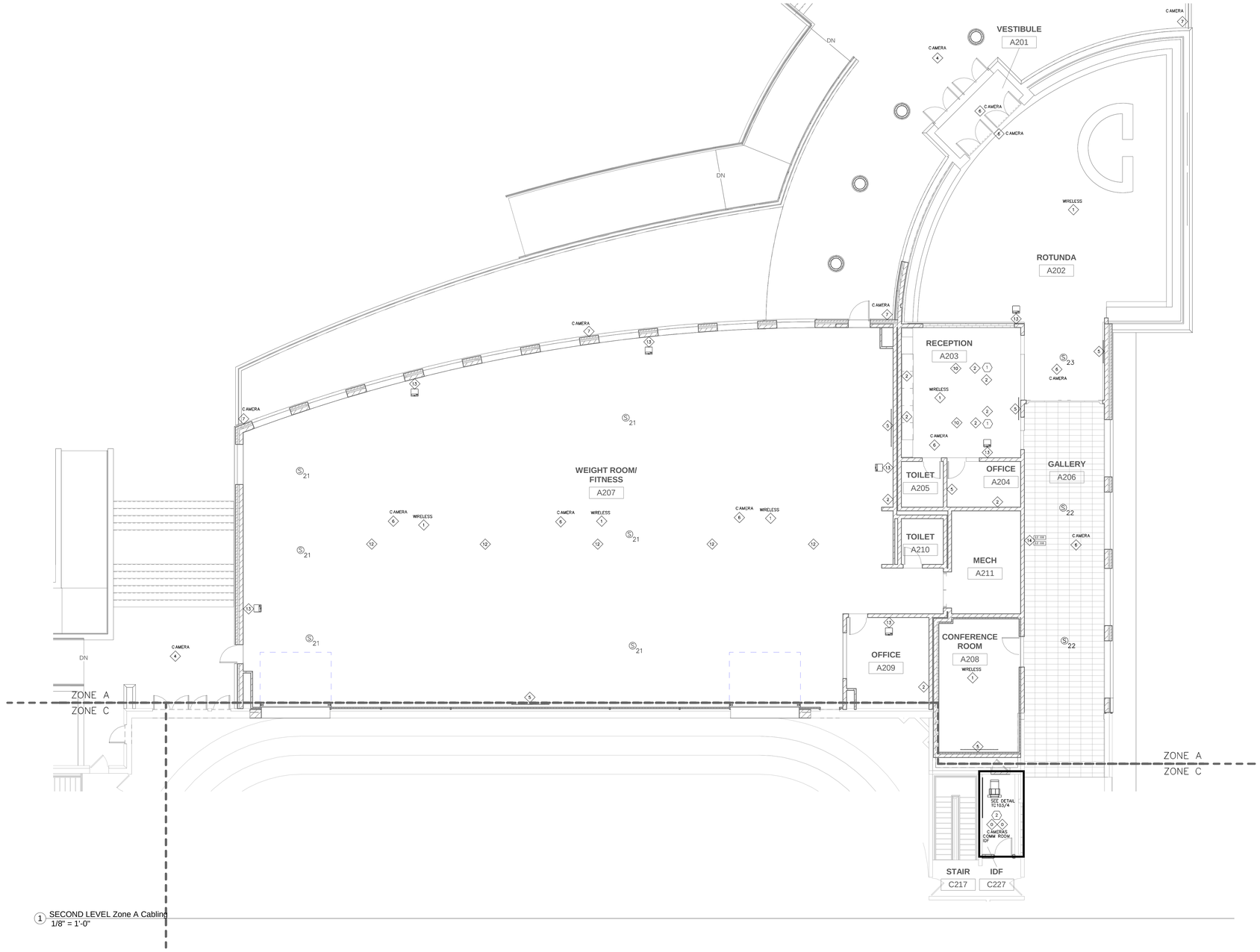
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GENERAL CABLING NOTES

1. COMMUNICATIONS CONTRACTOR SHALL INSTALL ANY PASS-THRU'S REQUIRED FOR ROUTING CABLES AROUND THE BUILDING THAT ARE NOT SHOWN AS BEING INSTALLED AS PART OF THE "TR" SERIES DRAWINGS. SEE ATTACHED.
2. CONTRACTOR SHALL COMPLETE A WALK-THRU OF THE SITE DURING CONSTRUCTION AND SHALL VERIFY ALL CONDUITS AND PASS THRU'S ARE INSTALLED FOR CABLES.
3. ALL CABLES SHALL BE SUPPORTED ABOVE THE DROP CEILING BY J-HOOKS. HOOKS SHALL BE LOCATED NO LESS THAN EVERY 5 FEET.

KEYED CABLING NOTES

1. PATCH SYSTEMS FURNITURE FACEPLATES INTO FLOORBOX FOR CONNECTIVITY. COORDINATE WITH ELECTRICAL AND FURNITURE CONTRACTORS.
2. ROUTE CABLES TO EXTERIOR POLES WHERE CAMERAS ARE PLANNED TO BE MOUNTED. COORDINATE WITH ELECTRICAL AND SECURITY CONTRACTOR.
3. ROUTE CONDUIT AND CABLE TO EXTERIOR WALL AND INSTALL BACKBOX FOR CAMERA. COORDINATE WITH SECURITY CONTRACTOR.



1 SECOND LEVEL Zone A Cabling
1/8" = 1'-0"

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PROJECT TITLE

HIGH SCHOOL ADDITIONS

DRAWING TITLE

SECOND FLOOR ZONE A CABLING PLAN

KEY PLAN

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DRAWING NO.

TC202A

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AUDIO VIDEO SYMBOL LEGEND

SYMBOL	DESCRIPTION
⟨1⟩	THIS SYMBOL WITH A NUMBER INSIDE REFERS TO KEYNOTES. REFER TO NOTES ON THE SHEET OR WITHIN THE DETAIL FOR ADDITIONAL INFORMATION
A	EQUIPMENT SCHEDULE. THIS SYMBOL WITH LETTERS INSIDE REFERS EQUIPMENT SCHEDULES, SEE DETAILS AND EQUIPMENT SCHEDULES ON TC101, TC301, TC501 AND TC701.
1	CABLE SCHEDULE. THIS SYMBOL WITH NUMBERS INSIDE REFERS EQUIPMENT SCHEDULES, SEE DETAILS AND EQUIPMENT SCHEDULES ON TC101, TC301, TC501 AND TC701.
⟨X⟩ XXXX	AUDIO/VIDEO COMMUNICATIONS OUTLET. REFER TO THE ASSOCIATED AV SYSTEM DETAIL FOR REQUIREMENTS. ZZ REFERS TO HEIGHT OF OUTLET. 18" UNLESS OTHER WISE NOTED.
SEE TC3XX/X	AV SYSTEM DETAIL. REFER TO THIS SHEET AND DETAIL NUMBER FOR THE REQUIREMENTS OF THE AUDIO/VIDEO SYSTEM IN THIS ROOM
S ZZ X	SPEAKERS. SEE SPEAKER SCHEDULE ON TC301."X" REFERS TO SPEAKER TYPE. "ZZ" REFERS TO SPEAKER ZONE IF THIS IS A PAGING SPEAKER.
LCD XX"	LCD DISPLAY. WHERE XX IS THE DIAGONAL MEASUREMENT. INCLUDE A MOUNT. SEE AV SYSTEM DETAIL AND SPECS FOR SPECIFICS

ABBREVIATIONS

ABBREV.	DESCRIPTION	ABBREV.	DESCRIPTION
2G	TWO-GANG BOX - PROVIDED BY EC	NIC	NOT IN CONTRACT
AC	ABOVE COUNTER - INSTALL BACKBOX SAME HEIGHT AS OTHER ELECTRICAL OUTLETS ABOVE THE COUNTER.	PBO	PROVIDED BY OTHERS
AFF	ABOVE FINISHED FLOOR	PCO-1	PATCH CORD ORGANIZER - 1 UNIT HIGH
AFG	ABOVE FINISHED GROUND	PCO-2	PATCH CORD ORGANIZER - 2 UNITS HIGH
AWG	AMERICAN WIRE GAUGE	PET	PROTECTED ENTRANCE TERMINAL
EMT	EMT TYPE CONDUIT	QTY	QUANTITY
EC	ELECTRICAL CONTRACTOR		

AUDIO EQUIPMENT SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	PART NO.
WA	CLASSROOM AUDIO SYSTEM INCLUDING SPEAKERS A	LIGHTSPEED	T25-FD
WB	WIRED MICROPHONE WITH 15' MIC CABLE	AUDIO	OM3
WC	PLASTIC MESH CABLE PROTECTOR AND WRAP. SAMSUNG #HT4044 CABLE FLEXWRAP	TECH FLEX	F6NXX
WD	DRAWER FOR STORING MISCELLANEOUS AUDIO & VIDEO MATERIAL. 4 RU W/LOCK	LOWELL	UDEL-414
WE	POWER STRIP	SURGEX	SX1120RT
WF	AUDIO MIXER AND DIGITAL SIGNAL PROCESSOR (DSP). INCLUDE ALL SOFTWARE REQUIRED FOR FULL SYSTEM USE AND REMOTE ACCESS THRU DATA NETWORK	QSC	CORE 8 FLEX
WG	AUDIO AMPLIIFER. WEIGHT ROOM AUDIO	QSC	MP-A80V
WH	WIRELESS MICROPHONE WITH (HANDHELD) (LAVALIER) (HEADWORN) MIC	AUDIX	R42 RECEIVER HANDHELD MIC #H60 BODYPACK #B60 HEADWORN MIC #HT2
WJ	WIRELESS MIC ANTENNA EXTENDER. CABLE AND MOUNTS TO EXTEND ANTENNAS	AUDIX	ANTDA4161
WK	NETWORK SWITCH. 26 PORTS	QSYS	NS26-480+

VIDEO EQUIPMENT SCHEDULE

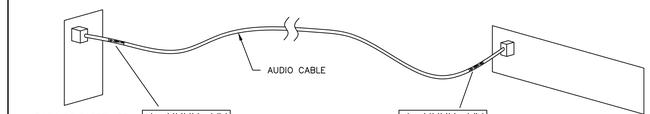
MARK	DESCRIPTION	MANUFACTURER	PART NO.
VA	DIGITAL SIGNAGE PLAYER WITH RS-232 CONTROL	BRIGHTSIGN	HD1026
VB	HDMI DISTRIBUTION AMPLIFIER 1-IN, 4-OUT	KEY DIGITAL	KD-DAx1X4
VC	POWER STRIP	SURGEX	SX1120RT
VD	PATCH PANEL-24 PORT, EQUIPPED WITH 8-PIN MODULAR JACKS TO MATCH THE CABLE COLOR AND CABLE TYPE BEING TERMINATED. PROVIDE ONE MODULAR JACK FOR EACH CABLE BEING TERMINATED. SEE SPEC AND DRAWINGS FOR COLORS. EQUIP WITH REAR CABLE ORGANIZER	HUBBELL	PANEL: HPJ24 ORGANIZER: HPRCMB
VE	4K60 4:4:4 NETWORK VIDEO ENDPOINT. SOFTWARE CONFIGURABLE AS ENCODER OR DECODER. 3 HDMI 2.0 INPUTS, 2 HDMI 2.0 OUTPUTS, ON-BOARD AV BRIDGING. SUPPORTS OPTIONAL STAND-ALONE "Q-SYS CORE MODE" OPERATION FOR AUDIO DSP WITH LOCAL VIDEO SWITCHING (NO ENCODING OR DECODING) AND AV BRIDGING.	Q-SYS	NV-21-HU
VF	10" POE TOUCH SCREEN CONTROLLER FOR DESKTOP OR WALL MOUNTING.	Q-SYS	TSC-101-G3
VG	IP TO RS-232, 4-CHANNEL DEVICE	QSYS	QIO-S4
VH	HDMI DISTRIBUTION AMPLIFIER 1-IN, 4-OUT	KEY DIGITAL	KD-DAx1X4
VJ	4K60 4:4:4 NETWORK VIDEO ENDPOINT. SOFTWARE CONFIGURABLE AS ENCODER OR DECODER. 3 HDMI 2.0 INPUTS, 2 HDMI 2.0 OUTPUTS, ON-BOARD AV BRIDGING. SUPPORTS OPTIONAL STAND-ALONE "Q-SYS CORE MODE" OPERATION FOR AUDIO DSP WITH LOCAL VIDEO SWITCHING (NO ENCODING OR DECODING) AND AV BRIDGING.	Q-SYS	NV-32-H (Core Capable)

FLAT PANEL DISPLAY EQUIPMENT SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	PART NO.
XA	65" FLAT PANEL. EQUIP WITH A MOUNT. VERIFY MOUNT PRIOR TO ORDERING.	SHARP	PN-ME652
XB	65" FLAT PANEL, TOUCH ENABLED. EQUIP WITH A MOUNT. VERIFY MOUNT PRIOR TO ORDERING.	NEWLINE	TT-6525QELT
XC	86" FLAT PANEL. EQUIP WITH A MOUNT. VERIFY MOUNT PRIOR TO ORDERING.	SHARP	PN-ME862
XD	86" FLAT PANEL, TOUCH ENABLED. EQUIP WITH A MOUNT. VERIFY MOUNT PRIOR TO ORDERING.	NEWLINE	TT-8625QELT
XE	TILT WALL MOUNT FOR FLAT PANEL 65" TO 75" DIAGONAL	CHIEF	LTM1U
XF	TILT WALL MOUNT FOR FLAT PANEL 86" TO 98" DIAGONAL	CHIEF	XTM1U
XG	PULL OUT MOUNT FOR FLAT PANEL 65" AND 75"	CHIEF	TS525TU
XH	PULL OUT MOUNT FOR FLAT PANEL 86"	CHIEF	PNR SERIES
XJ	AT EACH DISPLAY WHERE THERE ARE DEVICES TO BE INSTALLED BEHIND THE FLAT PANEL DISPLAY, INSTALL A COMPONENT STORAGE PANEL	CHIEF	CSMP9X12
XK	HDMI AND USB TRANSMIT PLATE AND RECEIVING UNIT	C2G	C2G31029
XL	LCD CONTROL PLATE. EQUIP WITH POWER SUPPLY	KRAMER	RC-206
XM	CEILING MOUNT FOR FLAT PANEL. EQUIP WITH CEILING ADAPTER, CUSTOM LENGTH PIPE AND CUSTOM UNISTRUT FOR DUAL LCD	CHIEF	LCB1U. CMA330

SPEAKER SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	PART NO.
S_1	CLASSROOM AUDIO SPEAKER. HARD CEILING/WALL MOUNTED.	LIGHTSPEED	WRQ
S_2	CLASSROOM AUDIO SPEAKER. DROP CEILING MOUNTED. CUSTOM CUT INTO CEILING	LIGHTSPEED	DRQ
S_3	WEIGHT ROOM PENDANT SPEAKER	QSC	AD-P6T
S_4	WEIGHT ROOM SUBWOOFER. CELING MOUNTED	QSC	AD-P SUB

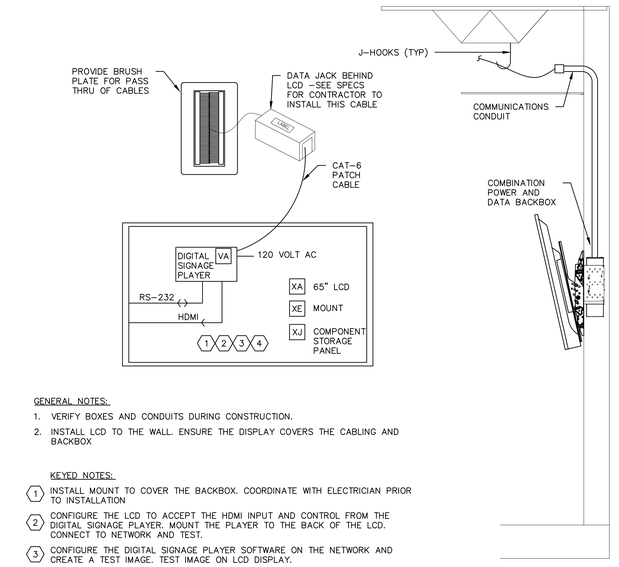


GENERAL NOTES:

1. INSTALL A WRAP-AROUND LABEL AT EACH END OF EACH CABLE.
2. WRAP-AROUND LABELS SHALL BE LASER-PRINTED AND SHALL BE SELF-LAMINATING.

A = AUDIO/VIDEO CABINET
XXXX = SPK FOR SPEAKER LINE
XXXX = LINE FOR LINE LEVEL
XXXX = MIC FOR MICROPHONE
XXXX = CTRL FOR CONTROL LINE
YY = AUDIO ZONE FOR SPEAKER
YY = FACEPLATE NUMBER FOR LINE AND MIC

1 / TC301 — TYPICAL CABLE LABELING FOR AUDIO CABLES



GENERAL NOTES:

1. VERIFY BOXES AND CONDUITS DURING CONSTRUCTION.
2. INSTALL LCD TO THE WALL. ENSURE THE DISPLAY COVERS THE CABLING AND BACKBOX

KEYED NOTES:

1. INSTALL MOUNT TO COVER THE BACKBOX. COORDINATE WITH ELECTRICIAN PRIOR TO INSTALLATION
2. CONFIGURE THE LCD TO ACCEPT THE HDMI INPUT AND CONTROL FROM THE DIGITAL SIGNAGE PLAYER. MOUNT THE PLAYER TO THE BACK OF THE LCD. CONNECT TO NETWORK AND TEST.
3. CONFIGURE THE DIGITAL SIGNAGE PLAYER SOFTWARE ON THE NETWORK AND CREATE A TEST IMAGE. TEST IMAGE ON LCD DISPLAY.
4. SET SCHEDULE ON LCD ON/OFF THRU DIGITAL SIGNAGE PLAYER.

2 / TC301 — WALL MOUNT DISPLAY LCD FOR DIGITAL SIGNAGE

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PROJECT TITLE

HIGH SCHOOL ADDITION

Dexter Community School District

DRAWING TITLE

Audio/Video Legends, Schedules & Details

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APPROVED	BWE

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25026D

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TC301

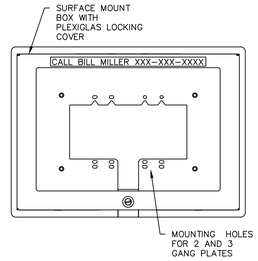
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PARTS

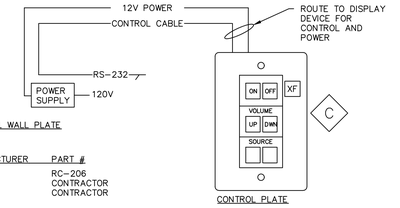
QTY	DESCRIPTION	MANUFACTURER	PART #
1	TOUCHPANEL	QSYS	TSC-101-G3
1	CAT-6-ORANGE	MOHAWK	M58288
1	COVERPLATE	FSR	WB-TCS-FM-10

GENERAL NOTES:

1. INSTALL CAT-6 CABLES TO THE PANEL IN THE AV ROOM/CABINET.
2. PROVIDE LOCK TO THE OWNER.
3. LABEL THE COVERPLATE WITH THE NAME AND PHONE NUMER OF THE PERSON TO CALL IN CASE OF AN ISSUE. SHALL BE ENGRAVED, PHENOLIC LABEL.



2 TC302 — DUAL MICROHPONE PLATE AUDIO INPUT PLATE AND CABLING



C — CONTROL WALL PLATE

PARTS

QTY	DESCRIPTION	MANUFACTURER	PART #
1	CONTROL PLATE	KRAMER	RC-206
1	RS-232 CABLE-PLENUM		CONTRACTOR
1	POWER CABLE -PLENUM		CONTRACTOR

GENERAL NOTES:

1. INSTALL THE PLATE AND CONFIGURE AND CUSTOM LABEL FOR THE CONTROLS REQUIRED.
2. AT A STANDARD LCD IT SHOULD BE FOR ON/OFF, VOLUME UP AND DOWN AND INPUT CONTROL
3. LABEL FACEPLATE WITH INPUT NAME OR NUMBER FROM THE DISTRIBUTION AMPLIFIER
4. TEST VIDEO FROM ALL INPUTS.

1 TC302 — LCD CONTROL PLATE TYPICAL CONNECTIVITY

M1

PARTS

QTY	DESCRIPTION	MANUFACTURER	PART #
1	SINGLE-GANG GANG STAINLESS STEEL PLATE		CUSTOM
2	XLR INPUTS	NEUTRIK	CONTRACTOR
2	MIC CABLES-PLENUM	CONTRACTOR	

GENERAL NOTES:

1. INSTALL PLENUM RATED MIC CABLES TO THE PANEL IN THE AV ROOM/CABINET.
2. LABEL THE PLATE WITH PHENOLIC, ENGRAVED LABELS DETAILING THE INPUT TO MATCH THE INPUT ON THE CONTROL PANEL.



4 TC302 — DUAL MICROHPONE PLATE AUDIO INPUT PLATE AND CABLING

BT

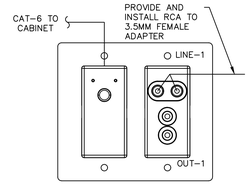
PARTS

CONNECTIVITY CODE

QTY	DESCRIPTION	MANUFACTURER	PART #
1	GFI TWO-HOLE	HUBBELL	SS262
1	CAT-6-ORANGE	MOHAWK	M58288
1	BLUETOOTH AND LINE LEVEL AUDIO TO DANTE PLATE	QSYS	UND610-BT

GENERAL NOTES:

1. INSTALL CAT-6 CABLES TO THE PANEL IN THE AV ROOM/CABINET.
2. SETUP THE BLUETOOTH PLATE TO ALLOW MULTIPLE USERS TO USE THE PLATE. REMEMBER USERS FOR EASY CONNECTIVITY.
3. LABEL THE PLATE WITH PHENOLIC, ENGRAVED LABELS DETAILING THE INPUT TO MATCH THE INPUT ON THE CONTROL PANEL.



3 TC302 — BLUETOOTH AND LINE LEVEL AND MIC AUDIO INPUT PLATE AND CABLING

A/V NOTES:

1. INSTALL ALL EQUIPMENT SHOWN. THE CONTRACTOR SHALL WALK THE BUILDING WITH THE OWNER PRIOR TO INSTALLATION TO IDENTIFY ACTUAL LOCATION OF ALL EQUIPMENT.
2. SPEAKERS SHALL BE INSTALLED IN THE CEILING AND CONNECTED TO THE AUDIO SYSTEM THAT IS MOUNTED TO THE BACK OF THE LCD.
3. ALL CABLES FROM THE WALL TO THE DESK SHALL BE INSTALLED INSIDE A NYLON MESH. TY/WRAP MESH AT EACH END TO SECURE BUNDLE.
4. INSTALL ALL PATCH CABLES SHOWN. CONNECT THE DEVICES AND FULLY TEST THE SYSTEM INCLUDING ALL AUDIO AND VIDEO INPUTS AND OUTPUTS.
5. WORK WITH THE OWNER TO DETERMINE THE ACTUAL LOCATION AND HEIGHT OF THE LCD PRIOR TO INSTALLATION.
6. INSTALL ALL CABLES INCLUDING POWER CABLE FROM THE WALL TO THE DESK. ALL CABLES SHALL BE NO SHORTER THAN 10'
7. PROVIDE AND INSTALL ANY AND ALL BALUNS, ADAPTERS OR CABLES REQUIRED FOR CONNECTIVITY.

KEYED NOTES:

1. INSTALL WHITE MESH AS YOU TRANSITION CABLES FROM THE WALL TO THE ACCESSORY PLATE AND LCD.
2. CUSTOMIZE THE FACEPLATE TO MATCH BACKBOX PROVIDED AND CABLES REQUIRED TO BE TERMINATED.
3. PROVIDE SPEAKERS IN EACH CLASSROOM. CHECK TO SEE IF THEY ARE DROP CEILING OR OPEN CEILING PRIOR TO ORDERING.
4. INSTALL BLACK MESH AS YOU TRANSITION CABLES FROM THE PLATE TO TEACHER DESK.
5. INSTALL CAT-6 CABLE FOR HDMI AND USB. CONNECT TO THE DEVICE AT THE LCD. CONNECT ALL USB DEVICES. TEST CONNECTIVITY
6. INSTALL EQUIPMENT TO THE LCD MOUNT, ON THE BACK OF THE LCD DISPLAY. HIDE ALL CABLES AS MUCH AS POSSIBLE.
7. MOUNT LCD AT THE HEIGHT AS DIRECTED BY THE OWNER. MEET WITH OWNER AND DETERMINE HEIGHT. LEAVE SPARE CABLE BEHIND LCD TO ACCOMMODATE DIFFERENT HEIGHTS
8. TERMINATE ALL SHIELDED CABLES WITH SHIELDED CONNECTORS. CONNECT PATCH PANEL TO GROUND BAR.

A2

LCD PLATE

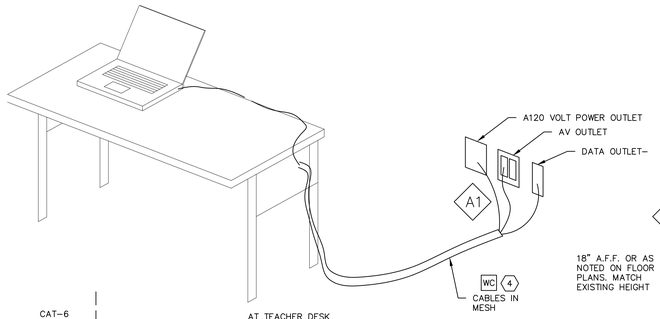
QTY	DESCRIPTION	MANUFACTURER	PART #
1	SURFACE BOX	HUBBELL	HSB20W
1	CAT-6 JACK-ORANGE	HUBBELL	HXJ6OR
1	CAT-6 PATCH CABLE-ORANGE		CONTRACTOR

A1

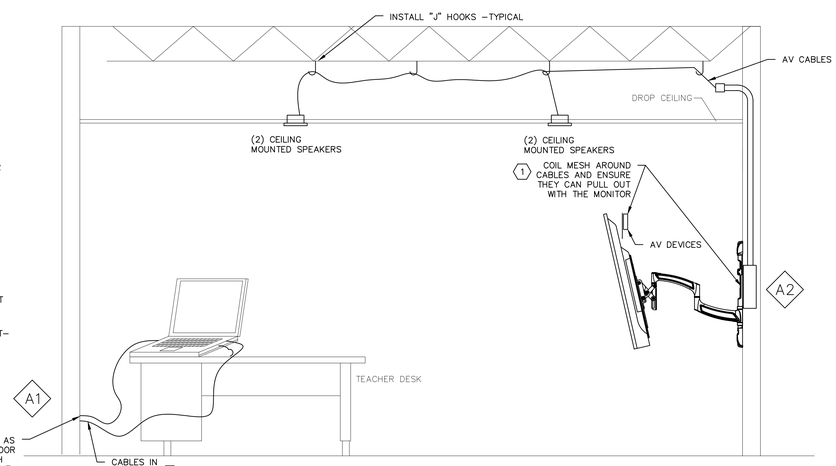
PARTS FOR TEACHER FACEPLATE

QTY	DESCRIPTION	MANUFACTURER	PART #
1	FACEPLATE-STAINLESS 2-GANG	HUBBELL	SS262
1	HDMI AND USB TRANSMIT PLATE	C2G	C2G31029
1	CAT-6 CABLE -ORANGE	MOHAWK	M58288
1	DECORA BLANK. OFFICE WHITE	HUBBELL	NS620LA

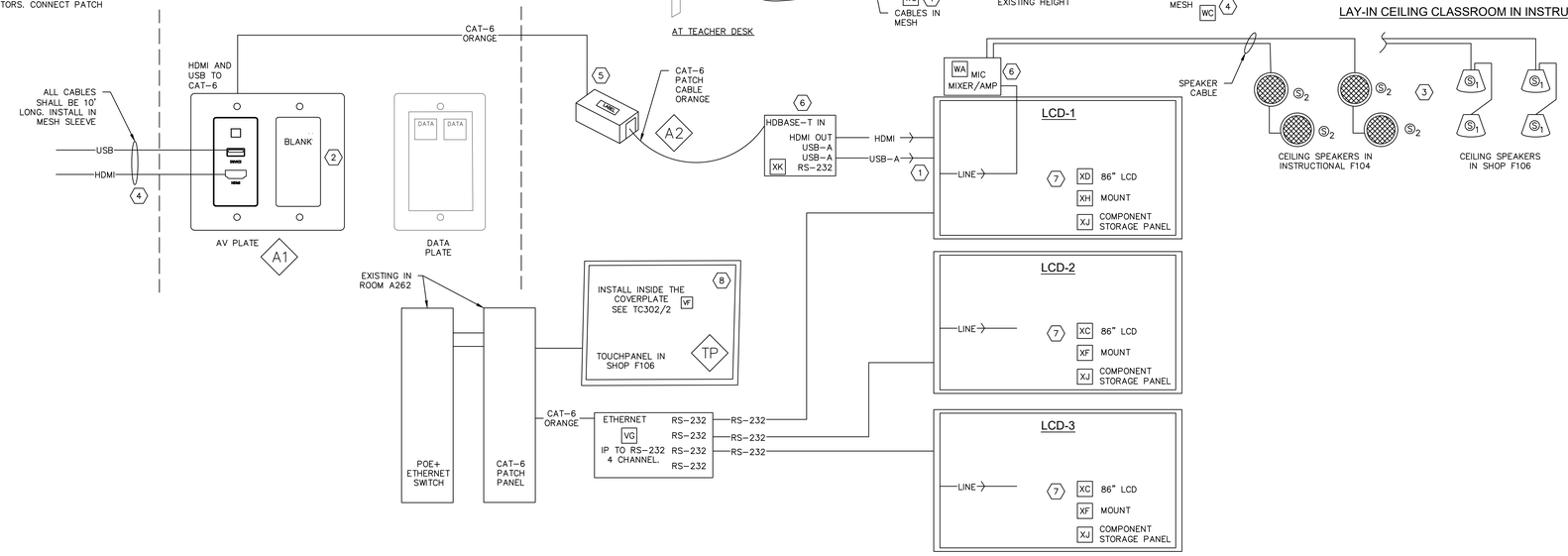
TERMINATE CAT-6 CABLE WITH AN RJ-45 AT C2G DEVICE. TERMINATE ONTO MODULAR CONNECTOR AT LCD.



AT TEACHER DESK



LAY-IN CEILING CLASSROOM IN INSTRUCTIONAL F104



5 TC302 — INTERACTIVE LCD CLASSROOM AV CONNECTIVITY

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PROJECT TITLE

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Dexter Community School District

DRAWING TITLE

Audio/Video Connectivity Details

ISSUE DATES

03-09-26	D.R. 1 – CONSTRUCTION DOCUMENTS

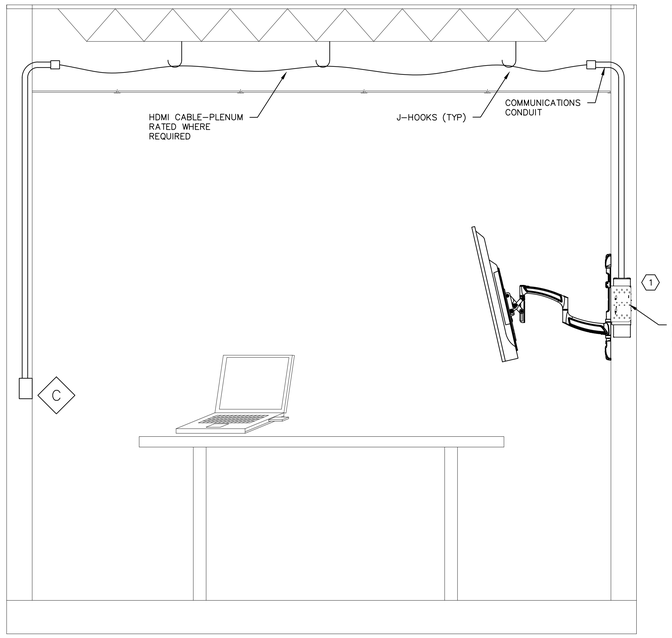
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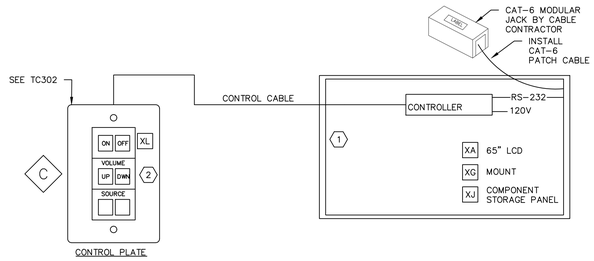
PROJECT NO.

25026D

DRAWING NO.

TC302





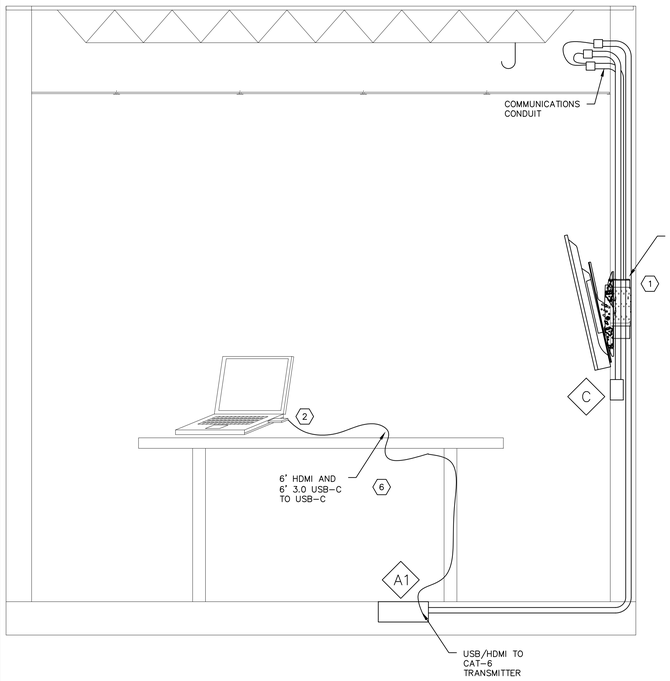
GENERAL NOTES:

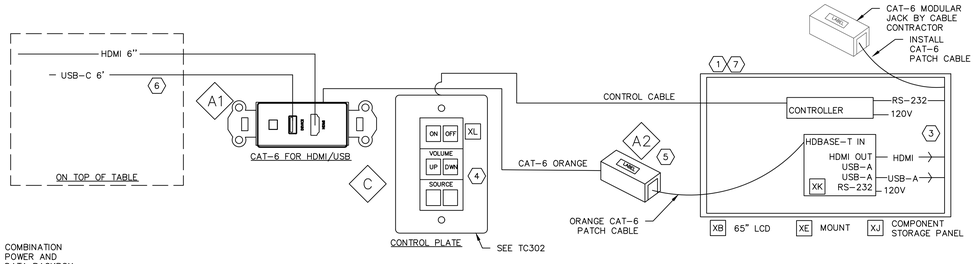
1. VERIFY BOXES AND CONDUITS DURING CONSTRUCTION.
2. INSTALL LCD TO THE WALL. ENSURE THE DISPLAY COVERS THE CABLING AND BACKBOX
3. INSTALL CABLING THAT WILL TRANSMIT THE SIGNAL. FOR LONGER LOCATIONS THE CABLING MAY HAVE TO BE AN "ACTIVE" HDMI CABLE.
4. CONNECT AND TEST THE CONNECTION FROM PLATE TO THE DISPLAY.

KEYED NOTES:

1. INSTALL MOUNT TO COVER THE BACKBOX. COORDINATE WITH ELECTRICIAN PRIOR TO INSTALLATION
2. INSTALL THE CONTROL PLATE AND ALL CABLING. CONFIGURE THE PLATE TO CONTROL LCD ON/OFF, VOLUME AND SWITCH BETWEEN INPUTS.

1 TC303 LCD DISPLAY -HDMI WITH USB HDMI AND USB CONNECTIVITY





GENERAL NOTES:

1. VERIFY BOXES AND CONDUITS DURING CONSTRUCTION.
2. INSTALL LCD TO THE WALL. ENSURE THE DISPLAY COVERS THE CABLING AND BACKBOX
3. INSTALL CABLING THAT WILL TRANSMIT THE SIGNAL. FOR LONGER LOCATIONS THE CABLING MAY HAVE TO BE AN "ACTIVE" HDMI CABLE.
4. CONNECT AND TEST THE CONNECTION FROM PLATE TO THE DISPLAY.

KEYED NOTES:

1. INSTALL MOUNT TO COVER THE BACKBOX. COORDINATE WITH ELECTRICIAN PRIOR TO INSTALLATION
2. INSTALL AN HDMI CABLE AND USB–C CABLE FROM THE FLOORBOX TO CONNECT THE LAPTOP ON THE DESK TO THE WALLPLATE
3. CONFIGURE THE LCD TO ACCEPT THE HDMI AND USB–C INPUT AND ANY OTHER INPUTS.
4. INSTALL THE CONTROL PLATE AND ALL CABLING. CONFIGURE THE PLATE TO CONTROL LCD ON/OFF, VOLUME AND SWITCH BETWEEN INPUTS.
5. INSTALL THE HDMI AND USBA–C CABLES TO CONNECT THE LAPTOP TO THE PLATE IN THE FLOORBOX. INSTALL A CAT–6 CABLE OUT OF THE FACEPLATE AND TO THE RECEIVING DEVICE AT BACK OF LCD.
6. INSTALL BLACK MESH AS YOU TRANSITION CABLES FROM THE FLOOR TO THE TOP OF TABLE.
7. MOUNT LCD AT THE HEIGHT AS DIRECTED BY THE OWNER. MEET WITH OWNER AND DETERMINE HEIGHT. LEAVE SPARE CABLE BEHIND LCD TO ACCOMMODATE DIFFERENT HEIGHTS

A1

PARTS FOR TEACHER FACEPLATE

QTY	DESCRIPTION	MANUFACTURER	PART #
1	FACEPLATE–STAINLESS 2–GANG	HUBBELL	SS262
1	HDMI AND USB TRANSMIT PLATE	C2G	C2G31029
1	CAT–6 CABLE –ORANGE	MOHAWK	M58288

TERMINATE CAT–6 CABLE WITH AN RJ–45 AT C2G DEVICE AND RECEIVING UNIT AT THE LCD. TEST CABLE.

A2

LCD PLATE

QTY	DESCRIPTION	MANUFACTURER	PART #
1	SURFACE BOX	HUBBELL	HSB20W
1	CAT–6 JACK–ORANGE	HUBBELL	HXJ6OR
1	CAT–6 PATCH CABLE–ORANGE		CONTRACTOR

2 TC303 LCD DISPLAY -CAT-6 CABLE FOR HDMI AND USB CONNECTIVITY

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PROJECT TITLE

HIGH SCHOOL ADDITION

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DRAWING TITLE

Audio/Video Connectivity Details

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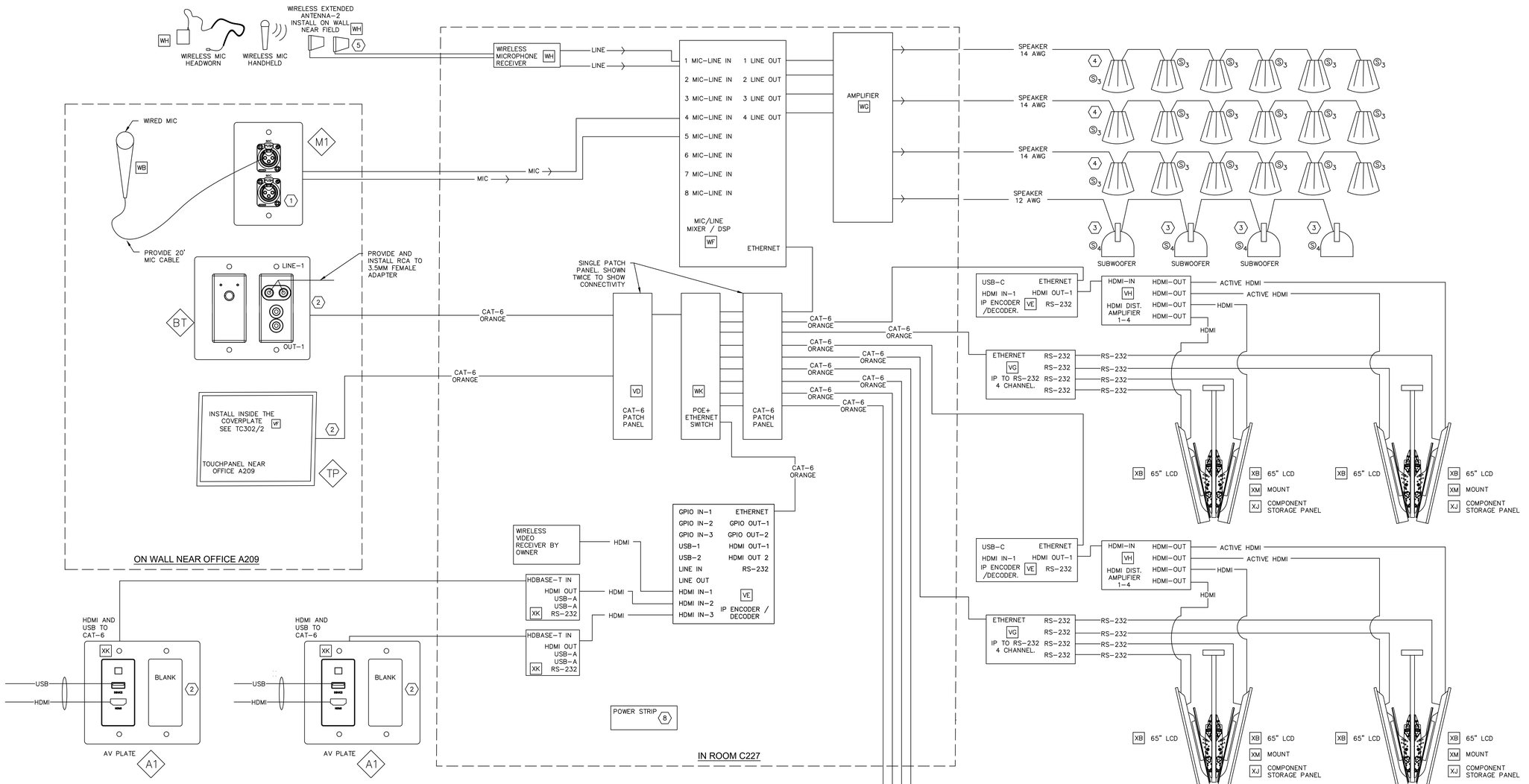
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APPROVED	BWE

PROJECT NO.

25026D

DRAWING NO.

TC303

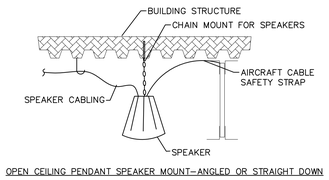


A1

PARTS FOR TEACHER FACEPLATE

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1	FACEPLATE–STAINLESS 2–GANG	HUBBELL	SS262
1	HDMI AND USB TRANSMIT PLATE	C2G	C2G31029
1	CAT–6 CABLE –ORANGE	MOHAWK	M58288
1	DECORA BLANK. OFFICE WHITE	HUBBELL	NS620LA

TERMINATE CAT–6 CABLE WITH AN RJ–45 AT C2G DEVICE. TERMINATE ONTO MODULAR CONNECTOR AT LCD.



OPEN CEILING PENDANT SPEAKER MOUNT–ANGLED OR STRAIGHT DOWN

NOTES:

1. CONTRACTOR SHALL PROVIDE AMPLIFIERS REQUIRED TO DRIVE THE AUDIO SYSTEM. QUANTITY SHOWN FOR DEMONSTRATION. DO CALCULATIONS. PROVIDE CORRECT SIZE AUDIO CABLE TO DRIVE ALL SPEAKERS. DO CALCULATIONS FOR LOSS. PROVIDE ADEQUATELY SIZED AUDIO CABLES.
2. PROVIDE SPEAKER CABLE QUANTITY AND SIZE AS REQUIRED TO RUN ALL SPEAKERS IN THE SYSTEM.
3. USE MANUFACTURERS RECOMMENDED HARDWARE FOR MOUNTING ALL SPEAKERS FROM THE BLDG. STRUCTURE. WORK WITH MANUFACTURER REGARDING MOUNTING ANGLES. CUSTOM BUILD MOUNTS.
4. LABEL ALL CONNECTION CABLES AT EACH END WITH PRE–PRINTED LABELS.
5. LABEL ALL PLATES WITH THE INPUT NAME AND INPUT NUMBER ON THE AUDIO DSP MIXER.
6. CONTRACTOR SHALL HANG AND AIM ALL SPEAKERS TO MAXIMIZE COVERAGE AND PROVIDE THE BEST AUDIO POSSIBLE.
7. ALL CABLING SHALL BE PLENUM RATED. SIZE ALL CABLES TO TRANSMIT THE SIGNAL REQUIRED

KEYED NOTES:

1. INSTALL 1–GANG STAINLESS STEEL PLATE WITH MICROPHONE AND LINE–LEVEL INPUT. EXTEND CABLES TO THE MIXER.
2. TERMINATE ALL SHIELDED CABLES WITH SHIELDED CONNECTORS. CONNECT PATCH PANEL TO GROUND BAR.
3. ALL SPEAKERS SHALL BE SECURED TO THE STRUCTURE WITH A SAFETY STRAP EQUIPPED OF AN AIRCRAFT CABLE AND APPROPRIATE CLAMP.
4. INSTALL PENDANT SPEAKERS AT THE HEIGHT THAT KEEPS THEM FROM BEING HIT OR DAMAGED. VERIFY IN THE FIELD. PROVIDE HARDWARE TO MOUNT ABOVE THE BOTTOM OF THE STRUCUREAL STEEL. PROVIDE MOUNTS TO SUPPORT FROM CONCRETE ABOVE.
5. EXTEND THE ANTENNAS FOR THE WIRELESS MICROPHONE TO THE CEILING OF THE GYM. PROVIDE CABLES TO CONNECT.
6. NOT USED
7. INSTALL ALL AUDIO EQUIPMENT INTO THE DATA RACK IN THE COMM ROOM. THIS RACK IS BEING PROVIDED BY OTHERS. COORDINATE AV EQUIPMENT WITH DATA CABLING.
8. CONNECT ALL AV EQUIPMENT TO THE POWER STRIP–1. CONNECT AMPLIFIERS TO POWER STRIP–2. PROVIDE ADDITIONAL POWER STRIPS FOR AMPLIFIERS IF REQUIRED FOR FULL LOAD

1 TC304 WIEGHT ROOM AUDIO/VIDEO SYSTEM CONNECTIVITY

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PROJECT TITLE

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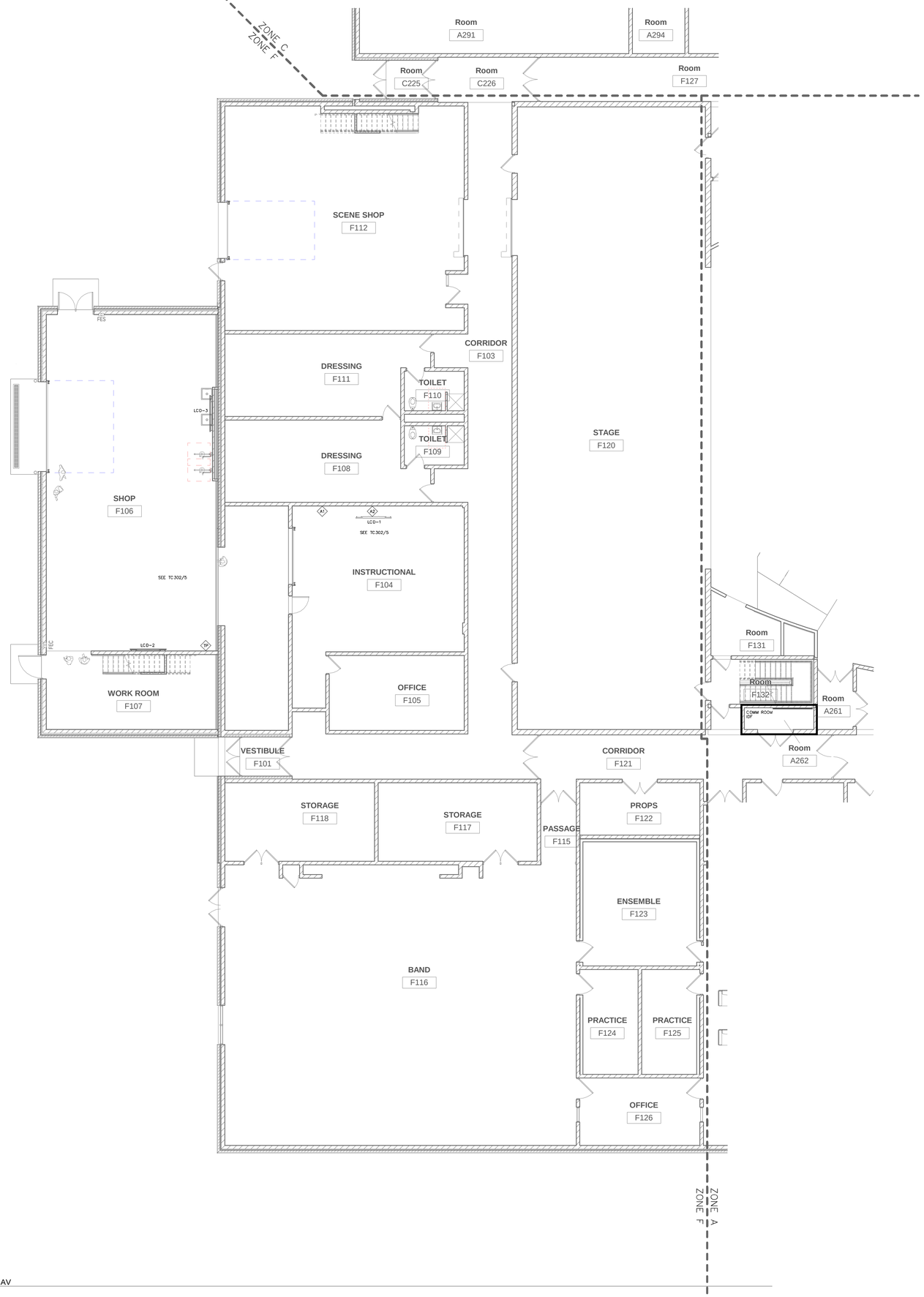
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PROJECT NO.

25026D

DRAWING NO.

TC304



1 FIRST LEVEL Zone F AV
1/8" = 1'-0"

GENERAL AV NOTES

1. AV CONTRACTOR SHALL INSTALL ANY PASS-THRU'S REQUIRED FOR ROUTING CABLES AROUND THE BUILDING. FIRESTOP ALL PASS-THRU'S TO MEET APPLICABLE CODES.
2. CONTRACTOR SHALL COMPLETE A WALK-THRU OF THE SITE DURING CONSTRUCTION AND SHALL VERIFY ALL RACEWAYS ARE AS NOTED.
3. NOTE TO THE ELECTRICIAN ANY RACEWAYS REQUIRED THAT ARE NOT ON THE DRAWINGS OR INSTALLED
4. ALL CABLES SHALL BE SUPPORTED ABOVE THE DROP CEILING BY J-HOOKS. HOOKS SHALL BE LOCATED NO LESS THAN EVERY 5 FEET.

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PROJECT TITLE

HIGH SCHOOL ADDITIONS

DRAWING TITLE

FIRST FLOOR ZONE F A/V PLAN

KEY PLAN

ISSUE DATES

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03-09-26	D.R. 1 - CONSTRUCTION DOCUMENTS

DRAWN	BVH
CHECKED	DKH
APPROVED	BWE

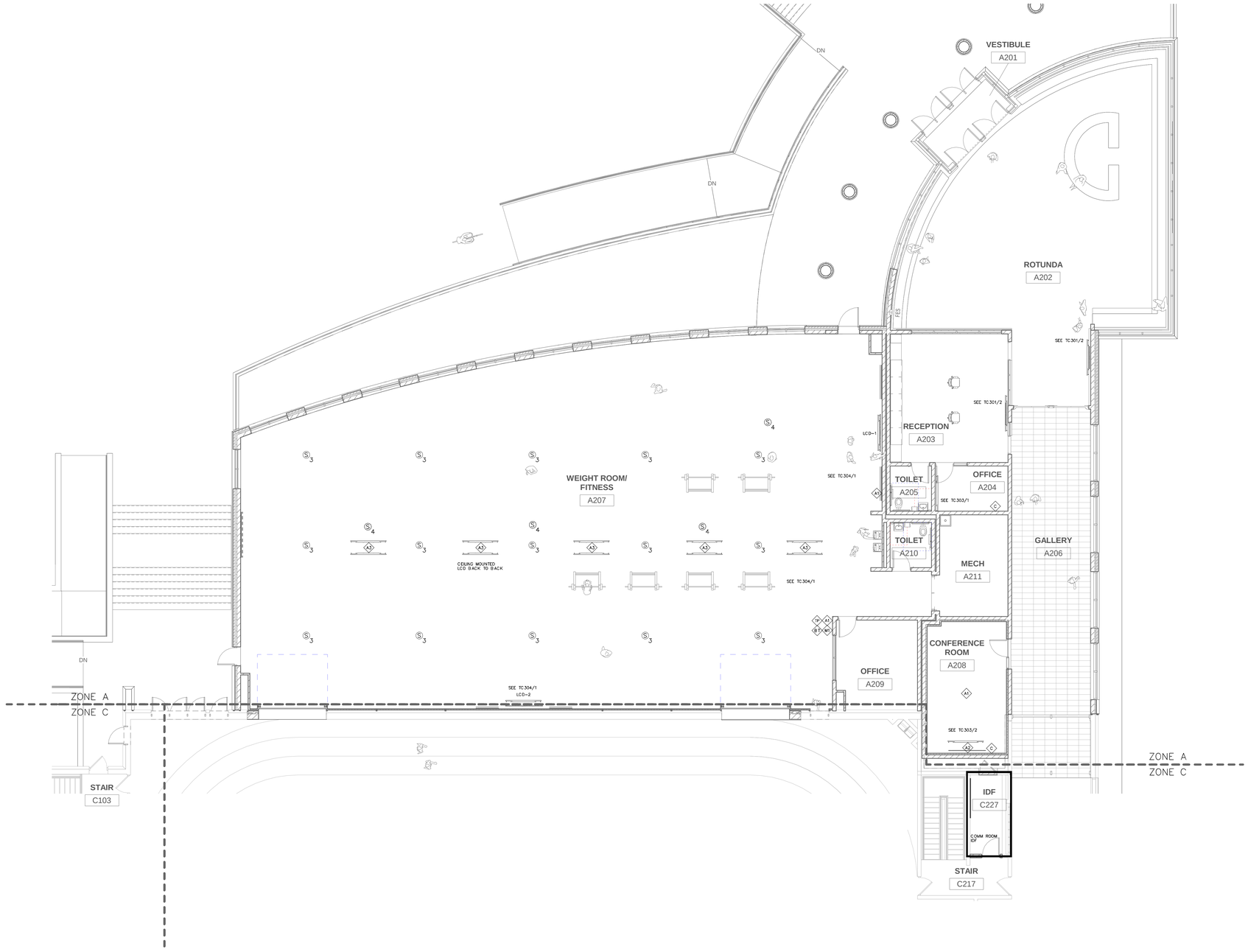
PROJECT NO.
25026G

DRAWING NO.
TC401F

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GENERAL AV NOTES

1. AV CONTRACTOR SHALL INSTALL ANY PASS - THRU'S REQUIRED FOR ROUTING CABLES AROUND THE BUILDING. FIRESTOP ALL PASS - THRU'S TO MEET APPLICABLE CODES.
2. CONTRACTOR SHALL COMPLETE A WALK - THRU OF THE SITE DURING CONSTRUCTION AND SHALL VERIFY ALL RACEWAYS ARE AS NOTED.
3. NOTE TO THE ELECTRICIAN ANY RACEWAYS REQUIRED THAT ARE NOT ON THE DRAWINGS OR INSTALLED
4. ALL CABLES SHALL BE SUPPORTED ABOVE THE DROP CEILING BY J - HOOKS. HOOKS SHALL BE LOCATED NO LESS THAN EVERY 5 FEET.



1 SECOND LEVEL Zone A AV
1/8" = 1'-0"

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PROJECT TITLE

HIGH SCHOOL ADDITIONS

DRAWING TITLE

SECOND FLOOR ZONE A A/V PLAN

KEY PLAN

ISSUE DATES

DATE:	ISSUED FOR:
03-09-26	D.R. 1 - CONSTRUCTION DOCUMENTS

DRAWN	BVH
CHECKED	DKH
APPROVED	BWE

PROJECT NO.

25026G

DRAWING NO.

TC402A

Autodesk Docs://25026_DCS_Dexter HS - Renovations (A,B,D,F,G,H,I)/25026-Tech-V2025.rvt
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SECURITY SYMBOL LEGEND

SYMBOL	DESCRIPTION
(1)	THIS SYMBOL WITH A NUMBER INSIDE REFERS TO KEYNOTES. REFER TO NOTES ON THE SHEET OR WITHIN THE DETAIL FOR ADDITIONAL INFORMATION
A	EQUIPMENT SCHEDULE. THIS SYMBOL WITH LETTERS INSIDE REFERS EQUIPMENT SCHEDULES, SEE DETAILS AND EQUIPMENT SCHEDULES ON TC101, TC301, TC501 AND TC701.
1	CABLE SCHEDULE. THIS SYMBOL WITH NUMBERS INSIDE REFERS EQUIPMENT SCHEDULES, SEE DETAILS AND EQUIPMENT SCHEDULES ON TC101, TC301, TC501 AND TC701.
(XX)	ACCESS CONTROL SYMBOL. "XX" IS LETTERS. SEE DETAILS ON TC5XX SHEETS FOR EQUIPMENT, CABLING AND RACEWAY DETAILS.
(XXX)	DOOR NUMBER
SEC.PNL	SECURITY PANEL. PROVIDE PANEL AND CONNECT AS SHOWN ON FLOORPLANS AND IN THE SPECIFICATIONS.
C	SECURITY CAMERA. PROVIDE AND INSTALL A NEW SECURITY CAMERA. SEE DETAILS ON TC5XX SHEETS.
C	SECURITY CAMERA WITH 180 DEGREE VIEWING. PROVIDE AND INSTALL A NEW SECURITY CAMERA. SEE DETAILS ON TC5XX SHEETS.
C	SECURITY CAMERA WITH 360 DEGREE VIEWING, SINGLE-IMAGER. PROVIDE AND INSTALL A NEW SECURITY CAMERA. SEE DETAILS ON TC5XX SHEETS.
C C C C	SECURITY CAMERA WITH 270 OR 360 DEGREE VIEWING, MULTI-IMAGER. PROVIDE AND INSTALL A NEW SECURITY CAMERA. SEE DETAILS ON TC5XX SHEETS.

ABBREVIATIONS

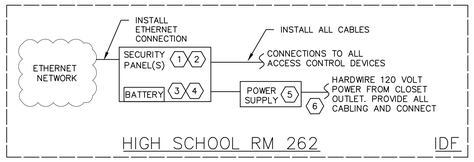
ABBREV.	DESCRIPTION	ABBREV.	DESCRIPTION
2G	TWO-GANG BOX - PROVIDED BY EC	NIC	NOT IN CONTRACT
AC	ABOVE COUNTER - INSTALL BACKBOX SAME HEIGHT AS OTHER ELECTRICAL OUTLETS ABOVE THE COUNTER.	PBO	PROVIDED BY OTHERS
AFF	ABOVE FINISHED FLOOR	PCO-1	PATCH CORD ORGANIZER - 1 UNIT HIGH
AFG	ABOVE FINISHED GROUND	PCO-2	PATCH CORD ORGANIZER - 2 UNITS HIGH
AWG	AMERICAN WIRE GAUGE	PET	PROTECTED ENTRANCE TERMINAL
EMT	EMT TYPE CONDUIT	QTY	QUANTITY
EC	ELECTRICAL CONTRACTOR		

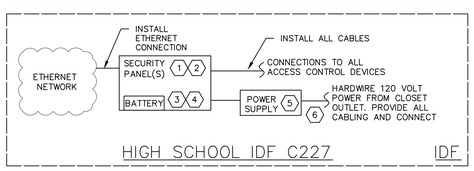
ACCESS CONTROL EQUIPMENT SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	PART NO.
CA	ACCESS CONTROL SYSTEM, SOFTWARE AND ASSOCIATED/REQUIRED SERVERS	SEE SPECS	SPECS
CB	ACCESS CONTROL ENCLOSURE. BACKPLATE AND LOCKABLE PANEL	ALTRONIX	TROVE 1/2/3
CC	POWER SUPPLY FOR ACCESS CONTROL EQUIPMENT. EQUIP WITH ETHERNET CONNECTIVITY MODULE	ALTRONIX	E-FLOW SERIES W/ LINQ2 ENET MOD.
CD	POWER DISTRIBUTION BOARD AND VOLTAGE REGULATOR. POWERS OTHER BOARDS IN THE ACCESS CTRL PANEL	ALTRONIX	PDS8 SERIES WITH VR6 REGULATOR
CE	ACCESS POWER CONTROLLER	ALTRONIX	ACMS8 OR EQUAL
CF	DOOR ACCESS CONTROL MODULE. IP ATTACHED. QTY AS REQUIRED	MERCURY	LP SERIES OR EQUAL
CG	DOOR ACCESS CONTROL MODULE. RS-485 ATTACHED. QTY AS REQUIRED	MERCURY	MR SERIES OR EQUAL
CH	BATTERY FOR ACCESS CONTROL PANEL	SEE SPECS	SEE SPECS
CJ	INTERCOM BASE STATION	AIPHONE	IX-MV7-HW-JP
CK	IP PROGRAMMABLE RELAY	AIPHONE	IXW-MAA
CL	INTERCOM -SURFACE MOUNT. EQUIP WITH CUSTOM BACKBOX AND PUSHBUTTON BELOW. CUSTOM WIRE TO SUPPORT ADA APPROVED CALL BUTTON HEIGHT	AIPHONE /ALARM CONTROLS	IX-DVF

VIDEO SECURITY EQUIPMENT SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	PART NO.
5A	VIDEO SECURITY NVR SERVER AND RECORDING SOFTWARE IS EXISTING.	SEE SPECS	SEE SPECS
5B	INTERIOR/EXTERIOR IP CAMERA. 4K RESOLUTION MOUNT AS SHOWN. SEE DETAILS AND SPECIFICATIONS. SEAL AROUND CONDUIT AND MOUNT.-OBJECT ANALYTIC, INTEGRATED WITH THE VMS FOR DETECTING AND SEARCHING BASED UPON SPECIFICS SUCH AS PERSON/VEHICLE/COLOR OF CLOTHES AND COLOR OF VEHICLE	DIGITAL WATCHDOG	DWC-XSDE08Mi
5C	360 DEGREE CAMERA-SINGLE IMAGER. INTERIOR/EXTERIOR. 9 MEGAPIXEL.-OBJECT ANALYTIC, INTEGRATED WITH THE VMS FOR DETECTING AND SEARCHING BASED UPON SPECIFICS SUCH AS PERSON/VEHICLE/COLOR OF CLOTHES AND COLOR OF VEHICLE	DIGITAL WATCHDOG	DWC-XFFA12AI
5D	360 DEGREE CAMERA -FOUR (4) SEPARATE IMAGERS, 20 MEGAPIXEL EACH. 270 COVERAGE WITH A DOWNARDS FACING CAMERA. INDOOR/OUTDOOR. -OBJECT ANALYTIC, INTEGRATED WITH THE VMS FOR DETECTING AND SEARCHING BASED UPON SPECIFICS SUCH AS PERSON/VEHICLE/COLOR OF CLOTHES AND COLOR OF VEHICLE	DIGITAL WATCHDOG	DWC-PVX20WATX
5E	180 DEGREE CAMERA -MULTIPLE IMAGERS INDOOR RATED. -OBJECT ANALYTIC, INTEGRATED WITH THE VMS FOR DETECTING AND SEARCHING BASED UPON SPECIFICS SUCH AS PERSON/VEHICLE/COLOR OF CLOTHES AND COLOR OF VEHICLE	DIGITAL WATCHDOG	DWC-XSWA08Bi
5F	DUAL IMAGER CAMERA. 10MP MEGApix AI IP DOME CAMERA WITH DUAL 5MP SENSORS FOR 180° HALLWAY	DIGITAL WATCHDOG	DWC-PDS10Wi28A





KEYED NOTES:

(1) ACCESS CONTROL PANELS SHALL BE LOCATED WHERE SHOWN ON THE DRAWINGS. CONNECT ALL DEVICES TO THESE PANELS. ALSO PROVIDE CABLING TO CONNECT THE PANELS TO THE ETHERNET SWITCHES IN THE RACKS.

(2) WHERE MORE THAN ONE PANEL IS AT THE SAME LOCATION, THE CONTRACTOR CAN CONNECT ONE PANEL TO THE ETHERNET NETWORK AND CONNECT THE OTHER PANELS TO THE ETHERNET CONNECTED PANEL.

(3) THERE WILL BE PANELS IN ONE OR MORE COMMUNICATIONS ROOMS. SEE THE FLOORPLANS FOR SUGGESTED PANEL LOCATIONS. INSTALL PANELS AS NOTED AND AS REQUIRED FOR COMPLETE CONNECTIVITY. CONNECT TO THE DATA NETWORK AND OTHER ACCESS CONTROL PANELS.

(4) INSTALL BATTERY BACKUP TO EACH PANEL TO SUPPORT DURING A SHORT POWER OUTAGE. SEE SPECIFICATIONS FOR BATTERY BACKUP REQUIREMENTS.

(5) THE CONTRACTOR SHALL PROVIDE A POWER SUPPLY IN THE COMMUNICATIONS ROOM TO POWER ALL THE DOOR HARDWARE.

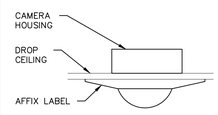
(6) CONTRACTOR SHALL BE RESPONSIBLE FOR CONNECTING THE PANELS TO 120 VOLT POWER. CONNECT WITH A HARDWIRED CONNECTION. PROVIDE CABLING AND CONDUIT/BOXES FOR CONNECTIVITY.

CONNECTIVITY NOTES:

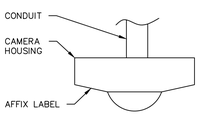
1. PROVIDE THE QUANTITY OF EACH ITEM AS SHOWN ON THE DRAWINGS.
2. THE COMMUNICATIONS CONTRACTOR SHALL WORK WITH THE OWNER TO CONFIGURE THE SYSTEM TO MEET THE OWNERS REQUIREMENTS.
3. CABLES FOR CONNECTION FROM THE ACCESS CONTROL PANELS SHALL BE PLENUM RATED.
4. CONTRACTOR SHALL PROVIDE ALL CABLING FOR CONNECTION OF NEW SECURITY DEVICES. THE CABLES SHALL BE THE SAME COLOR. COORDINATE CABLE COLOR WITH OTHER CONTRACTORS SO THAT THE SECURITY CABLES ARE A UNIQUE COLOR.
5. ALL CABLES SHALL BE LABELED AT EACH END. LABEL THEM WITH THE DOOR NUMBER AND THEN FOR THE DEVICE TO WHICH THEY CONNECT. IN EXAMPLE: P124-DC.
6. THE CONTRACTOR SHALL INCLUDE SUFFICIENT TIME INTO THE PROJECT TO CUSTOM CONFIGURE THE ACCESS CONTROL SYSTEM TO INTERFACE AND CONTROL EACH SYSTEM SHOWN ON THE DIAGRAM AND DESCRIBED IN THE SPECIFICATIONS.
7. PROVIDE THE QUANTITY OF BADGES/FOBS/MOBILE CREDENTIALS AS NOTED. PRINT ALL PROXIMITY CARDS AS PER THE OWNERS DIRECTION.

3 ACCESS CONTROL DIAGRAM
TC502

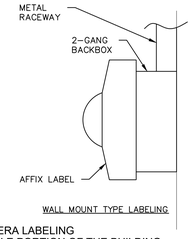
NOTES:
1. INSTALL A SELF-ADHESIVE, LASER PRINTER LABEL TO THE CAMERA THAT IS VISIBLE FROM BELOW THE DROP CEILING.
2. LABEL SHALL BE OF STRONG ADHESIVE TO ATTACH TO CAMERA HOUSING. LABEL SHALL MATCH THE CAMERA NUMBER IN THE SOFTWARE.
3. DEMONSTRATE TO THE DESIGNER THE LABEL AND WHERE THE LABEL WILL BE AFFIXED TO EACH CAMERA PRIOR TO INSTALLATION. AFFIX A LABEL TO EACH CAMERA



DROP CEILING LABELING



PENDANT TYPE LABELING

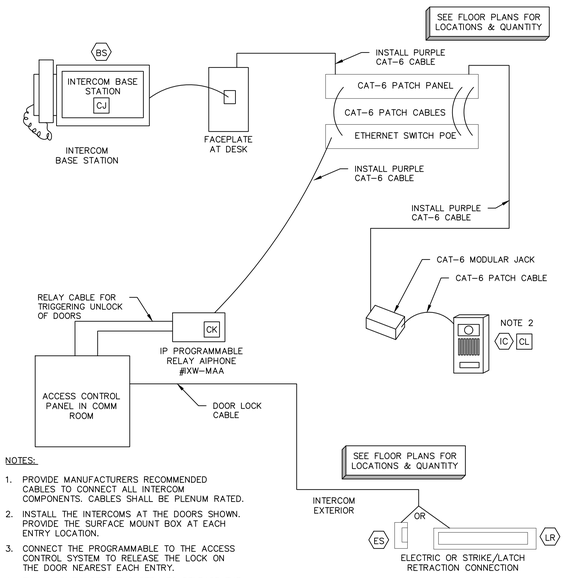


WALL MOUNT TYPE LABELING

XXX-DDD
ADHESIVE CAMERA LABEL

XXX = BUILDING NAME
DDD = CAMERA NUMBER

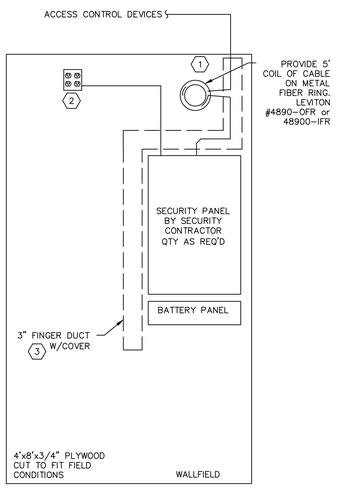
1 CAMERA LABELING VISIBLE PORTION OF THE BUILDING
TC501



NOTES:

1. PROVIDE MANUFACTURERS RECOMMENDED CABLES TO CONNECT ALL INTERCOM COMPONENTS. CABLES SHALL BE PLENUM RATED.
2. INSTALL THE INTERCOMS AT THE DOORS SHOWN. PROVIDE THE SURFACE MOUNT BOX AT EACH ENTRY LOCATION.
3. CONNECT THE PROGRAMMABLE TO THE ACCESS CONTROL SYSTEM TO RELEASE THE LOCK ON THE DOOR NEAREST EACH ENTRY.
4. FULLY CONFIGURE THE SYSTEM TO RELEASE THE LOCK AT THE DOOR WHERE THE EXTERIOR INTERCOM IS LOCATED.
5. INSTALL CAT-6 CABLE FROM DEVICE TO THE PATCH PANEL IN EACH COMM ROOM. CABLE SHALL BE PURPLE. PROVIDE A PURPLE CAT-6 MODULAR JACK AND "BISCUIT" TYPE JACK AT EACH LOCATION.

5 ENTRY DOOR INTERCOM CONNECTIVITY DIAGRAM
TC501
NO SCALE



SECURITY PANEL WALLFIELD NOTES:

1. PLYWOOD SHALL BE INSTALLED ON THE WALL BEHIND THE PANELS AND RACEWAYS.
2. PLYWOOD SHALL BE FIREPROOF. A/C GRADE. C SIDE TO THE WALL.
3. INSTALL "FINGER-DUCT" TYPE RACEWAY OR D-RINGS TO ROUTE THE CABLES FROM THE CEILING TO THE PANELS.
4. MOUNT THE PANELS SO THAT THE TOP OF THE PANELS IS ABOUT 6' AFF.
5. CONNECT SECURITY PANELS TO A GROUND BAR. PROVIDE GROUND BAR ON THE WALLFIELD.

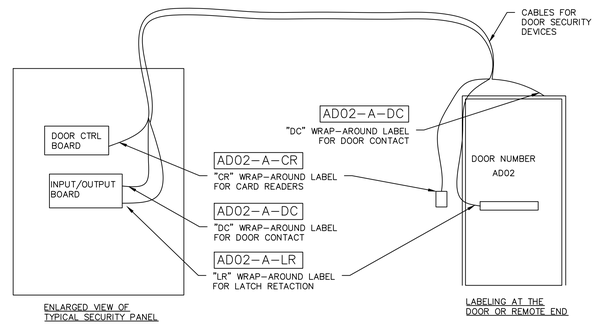
KEYED NOTES:

(1) PROVIDE 5' OF CABLE PRIOR TO TERMINATION IN THE SECURITY PANEL. PROVIDE ON A FIBER OPTIC METAL RING. INSTALL ABOVE THE PANELS. PROVIDE ONE FOR EACH PANEL. GROUP PANEL CABLES ONTO PANEL SPECIFIC RING.

(2) EXTEND 120V POWER TO THE POWER SUPPLIES IN THE PANELS. HARDWIRE ALL CONNECTIONS. PROVIDE CONDUIT AND WIRING FROM CLOSEST CIRCUIT.

(3) PROVIDE SUPPORT FOR THE CABLES WITH "FINGER-DUCT" OR OTHER RACEWAY.

4 TYPICAL SECURITY WALLFIELD
TC501
NO SCALE



ENLARGED VIEW OF TYPICAL SECURITY PANEL

LABELING AT THE DOOR OR REMOTE END

AD02 = DOOR NUMBER AS SHOWN ON DRAWINGS
A = COMM ROOM WHERE PANEL RESIDES
LR = TWO LETTER DESIGNATION FOR DEVICE THAT THE CABLE CONNECTS TO.

NOTES:
1. INSTALL A WRAP-AROUND LABEL AT EACH END OF EACH CABLE.
2. WRAP-AROUND LABELS SHALL BE LASER-PRINTED AND BE SELF-LAMINATING.
3. AT THE PANEL THE CABLE SHALL BE LABELED AS IT CONNECTS TO THE PANEL. LABEL INDIVIDUAL SHEATHED CABLES IN A MULTI-SERVICE CABLE.
4. AT THE DOOR INSTALL THE LABEL AT THE DEVICE WHERE IT IS CONNECTED.

2 TYPICAL ACCESS CONTROL CABLE LABELING
TC501

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PROJECT TITLE
HIGH SCHOOL ADDITION

Dexter Community School District

DRAWING TITLE
Security Legends, Schedules & Details

ISSUE DATES

03-09-26	D.R. 1 - CONSTRUCTION DOCUMENTS

DATE:	ISSUED FOR:
DRAWN	BVH
CHECKED	BWH
APPROVED	BWE

PROJECT NO.
25026D

DRAWING NO.
TC501

ACCESS CONTROL LOCK DETAILS

LR	LATCH RETRACTION DEVICE – THIS DEVICE IS AN ELECTRONIC PUSHBAR ON THE SECURE SIDE OF THE DOOR. WIRE FROM THIS DEVICE, THROUGH THE DOOR HINGETO THE POWER SUPPLY IN THE COMMUNICATIONS ROOM. PROVIDE POWER SUPPLY
ES	ELECTRIC STRIKE – STRIKE IS PROVIDED AND INSTALLED BY DOOR CONTRACTOR. WIRE FROM THIS DEVICE TO SECURITY PANEL. PROVIDE POWER SUPPLY IN COMM ROOM.

ACCESS CONT. DESK EQUIP DETAILS

LU	LOCKDOWN BUTTON UNDER DESK–INSTALL THE TOGGLE SWITCH TO A DESK, UNDERSIDE. WIRE TO THE SECURITY SYSTEM. SWITCH SHALL TRIGGER THE SYSTEM TO LOCK ALL DOORS. WHEN PULLED BACK OUT THE BUTTON SHALL SET ALL DOORS TO REGULAR SCHEDULE. PROVIDE A PLASTIC COVER FOR THE BUTTON.
PB	PUSH BUTTON – THIS SHALL TRIGGER A SINGLE EVENT OR SERIES OF EVENTS IN THE SECURITY SYSTEM WHEN DEPRESSED. BELOW DESK, WIRE TO SECURITY PANEL.
TS	TOGGLE SWITCH – INSTALL THE TOGGLE SWITCH TO A DESK, UNDERSIDE. WIRE TO THE ACCESS CONTROL SYSTEM. SWITCH SHALL START ONE SEQUENCE WHEN SWITCHED EITHER WAY. IN EXAMPLE. ENGAGE AND DISENGAGE A MAGNETIC LOCK.

INTERCOM / ASST. OPENER DETAILS

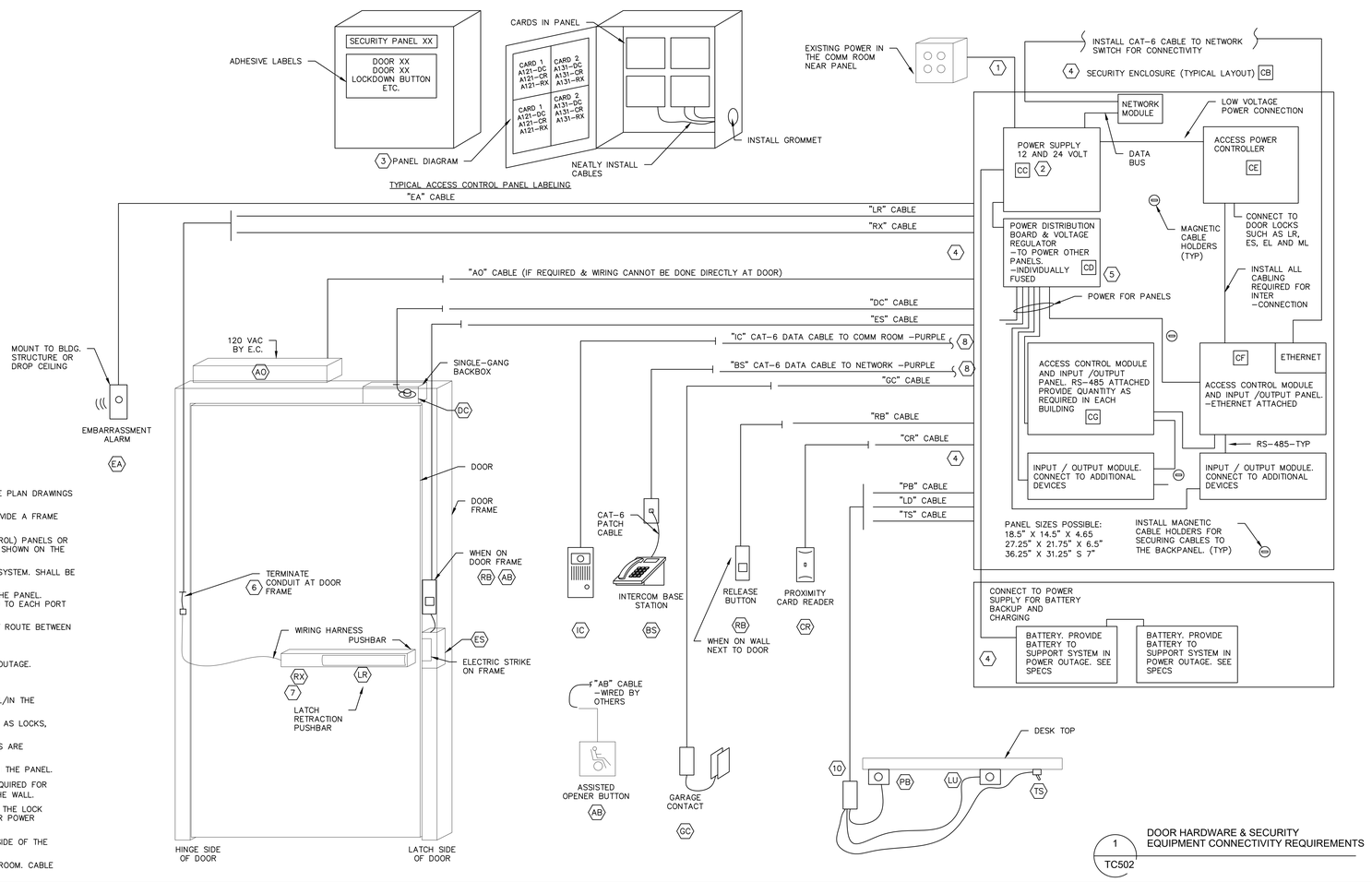
IC	INTERCOM – INSTALL TO THE BOX OR SURFACE MOUNT TO THE WALL. WIRE TO THE COMM ROOM VIA CAT–6 CABLE.
BS	INTERCOM BASE SYSTEM – THIS DEVICE SHALL BE INSTALLED AT THE RECEPTION DESK. WIRE TO COMM ROOM VIA CAT–6 CABLE.
AO	ASSISTED OPENER – THIS MECHANICALLY OPENS A DOOR. IT IS INSTALLED BY THE DOOR HARDWARE CONTRACTOR. COORDINATE LOCKS AND ALARMS WITH THIS OPENER AND ASSOCIATED OPENER BUTTONS. SEE SPECS. CONFIGURE TO RELEASE LOCK AND WIRE TO RELEASE LOCK PRIOR TO ENGAGING ON EXTERIOR CONTROLLED DOORS
AB	ASSISTED OPENER BUTTON– THIS BUTTON IS BY THE DOOR CONTRACTOR. IT IS NOTED FOR LOCATION. ON INTERIOR BUTTONS. WIRE TO THIS BUTTON TO MOMENTARILY UNLOCK EXTERIOR DOOR PRIOR TO ENGAGING OPENER.

ACCESS CONTROL AT DOOR DETAILS

RX	REQUEST TO EXIT IN LOCK – THIS IS A SWITCH THAT IS PROVIDED WITH THE DOOR LOCKING DEVICE. WIRE TO SECURITY PANEL TO SHUNT DOOR CONTACT WHEN EXITING BLDG.
DC	DOOR CONTACT – MOUNT ABOVE THE DOOR. WIRE TO SECURITY SYSTEM/INTRUSION DETECTION SYSTEM TO TRIGGER AN ALARM
GC	GARAGE CONTACT – INSTALL AN OVERHEAD DOOR CONTACT. WIRE TO SECURITY SYSTEM/INTRUSION DETECTION SYSTEM TO TRIGGER AN ALARM
RB	RELEASE BUTTON: THIS BUTTON SHALL BE AT A DOOR AND SHALL BE USED TO MOMENTARILY RELEASE THE DOOR LOCK. THIS BUTTON MAY BE SHUNTED DURING A LOCKDOWN. VERIFY WITH THE OWNER.
EA	PIEZO EXIT / EMBARASSMENT ALARM – LOCATE TO BUILDING STRUCTURE OR INTO DROP CEILING. WIRE TO SECURITY SYSTEM/INTRUSION DETECTION SYSTEM TO TRIGGER AN AUDIBLE ALARM WHEN A DOOR IS OPEN. CONFIGURE ON A TIME SCHEDULE.

ACCESS CONTROL READER DETAILS

CR	CARD READER – INSTALL TO THE BACKBOX OR IN THE DOOR FRAME. COORDINATE IN FIELD PRIOR TO ORDERING. WIRE TO SECURITY SYSTEM



1 TC502 DOOR HARDWARE & SECURITY EQUIPMENT CONNECTIVITY REQUIREMENTS

GENERAL NOTES:

1. SEE OTHER DETAILS FOR RACEWAY REQUIREMENTS FOR ALL CABLING AND DEVICES. REFER TO THE PLAN DRAWINGS FOR THE SPECIFIC FIELD DEVICE AND WHERE IT IS TO BE INSTALLED.
2. AT SOME LOCATIONS THE CARD READER WILL HAVE TO BE INSTALLED INTO THE DOOR FRAME. PROVIDE A FRAME TYPE READER AT THESE LOCATIONS. VERIFY PRIOR TO ORDERING EQUIPMENT.
3. ALL SECURITY DEVICES SHALL BE WIRED DIRECTLY BACK TO THE SECURITY SYSTEM (ACCESS CONTROL) PANELS OR INTRUSION DETECTION PANEL. LOCATE PANELS ON THE WALLS OF COMMUNICATIONS ROOMS OR AS SHOWN ON THE FLOOR PLANS. SEE OTHER DETAILS FOR MOUNTING AND RACEWAY REQUIREMENTS FOR CABLING.
4. PROVIDE ALL SECURITY CABLES AND ALL SECURITY PANELS REQUIRED FOR CONNECTIVITY OF THE SYSTEM. SHALL BE PLENUM RATED IN PLENUM AREAS.
5. LABEL THE OUTSIDE OF THE PANEL FOR THE DOORS AND DEVICES THAT ARE CONNECTED INSIDE THE PANEL. PROVIDE A PANEL DIAGRAM INSIDE THE PANEL THAT SHOWS THE CARDS AND WHAT IS CONNECTED TO EACH PORT ON THE CARDS.
6. PROVIDE MAGNETIC CABLE SUPPORTS THROUGHOUT THE PANEL FOR SUPPORT OF CABLES AS THEY ROUTE BETWEEN CARDS IN THE PANEL.
7. INCLUDE NYLON OR PLASTIC GROMMETS IN THE PANELS WHERE CABLES ROUTE INTO THE PANELS.
8. CONNECT BATTERIES TO THE PANEL TO SUPPORT THE PANEL AND DEVICES FOR A SHORT POWER OUTAGE.

KEYED ACCESS CONTROL NOTES:

1. CONTRACTOR SHALL EXTEND POWER FROM EXISTING OUTLET TO THE POWER SUPPLIES ON THE WALL/IN THE PANEL. PROVIDE ALL RACEWAY AND WIRING FOR EXTENSION OF POWER. MAKE ALL CONNECTIONS
2. PROVIDE A POWER SUPPLY TO SUPPORT THE SECURITY PANELS AND ALL END USER DEVICES SUCH AS LOCKS, STROBES, REQUEST TO EXIT DEVICES, ALARMS ETC.
3. AFFIX A CUSTOM SHEET OF PAPER INSIDE THE PANEL DOOR THAT SHOWS WHAT DOORS OR DEVICES ARE CONNECTED TO EACH PANEL. LAMINATE OR INSTALL IN A PLASTIC SLEEVE.
4. CUT HOLE IN PANEL TO SUPPORT CABLE INSTALLATION. INSTALL A NYLON OR PLASTIC GROMMET IN THE PANEL.
5. CONNECT ALL CABLES AND DEVICES TO THE CONTROLLERS/BOARDS WITHIN THE PANEL THAT IS REQUIRED FOR CONNECTIVITY AND SYSTEM OPERATION. PROVIDE A COIL OF 5' OF CABLE ABOVE THE PANEL ON THE WALL.
6. FOR AN EL OR LR DEVICE THE DOOR HARDWARE SUPPLIER WILL PROVIDE A WIRING HARNESS FROM THE LOCK THROUGH THE HINGE AND INTO THE DOOR FRAME. SECURITY CONTRACTOR TO WIRE FROM PANEL OR POWER SUPPLY TO THE WIRING HARNESS.
7. CONNECT TO THE REQUEST TO EXIT (RX) TO SHUNT ALARM. SHALL BE MOUNTED TO THE SECURE SIDE OF THE DOOR.
8. INSTALL A CAT–6 CABLE FROM THIS LOCATION TO THE PATCH PANEL IN THE RACK IN THE COMM ROOM. CABLE AND JACKS SHALL BE PURPLE. TERMINATE WITH A CAT–6 MODULAR JACK AT EACH END.

OPERATION SEQUENCE WHEN THE DOORS ARE LOCKED ENTERING FROM OUTSIDE –VALID ID CARD

1. IF THE PERSON PRESENTS A VALID CARD THEN THE LATCH SHALL RETRACT INSIDE THE EXTERIOR DOOR
2. THE SECURITY SYSTEM SHALL ALLOW THE EXTERIOR PUSH BUTTON TO BE ENERGIZED. ONCE THE PUSH BUTTON IS ENERGIZED THEN THE EXTERIOR DOOR SHALL BE OPENED OF THE BUTTON IS PUSHED.
3. THE EXTERIOR AUTO OPENER CONTROL BOARD SHALL COMMUNICATE TO THE CONTROL BOARD OF THE INTERIOR DOOR AND THAT DOOR SHALL OPEN.

OPERATION SEQUENCE WHEN THE DOORS ARE UNLOCKED ENTERING FROM OUTSIDE

1. THE LATCH BOLT MONITOR SHALL NOTE THAT THE LATCH IS RETRACTED AND SHALL COMMUNICATE THAT INFORMATION TO THE CONTROL BOARD IN THE AUTO OPENER.
2. THE CONTROL BOARD SHALL ALLOW THE EXTERIOR PUSH BUTTON TO BE ENERGIZED. ONCE THE PUSH BUTTON IS ENERGIZED THEN THE EXTERIOR DOOR SHALL BE OPENED OF THE BUTTON IS PUSHED.
3. THE EXTERIOR AUTO OPENER CONTROL BOARD SHALL COMMUNICATE TO THE CONTROL BOARD OF THE INTERIOR DOOR AND THAT DOOR SHALL OPEN.

OPERATION SEQUENCE WHEN THE DOORS ARE LOCKED ENTERING FROM OUTSIDE –NO CARD OR INVALID CARD

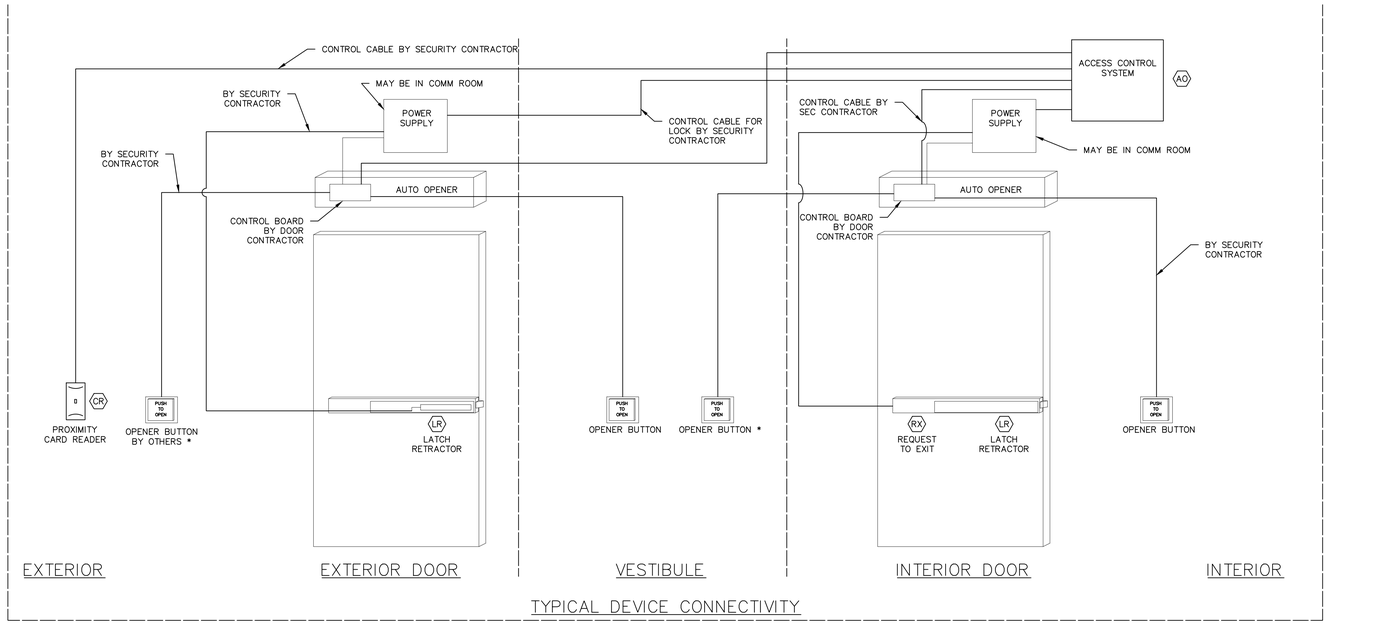
1. IF THE PERSON PUSHES THE EXTERIOR OPENER BUTTON THEN THE AUTO OPENER SHALL NOT ENGAGE BECAUSE THE OPENER BUTTON IS NOT ENERGIZED.
2. THE EXTERIOR OPENER BUTTON IS NOT ENERGIZED UNLESS THE LATCH BOLT MONITOR NOTES THAT THE LATCH IS RETRACTED.

OPERATION SEQUENCE WHEN THE DOORS ARE LOCKED, EXITING FROM INTERIOR

1. WHEN A PERSON PUSHES THE INTERIOR OPENER BUTTON THEN THAT SHALL COMMUNICATE WITH THE INTERIOR AUTO OPENER AND OPEN THAT DOOR.
2. THE CONTROL BOARD OF THE INTERIOR AUTO OPENER SHALL COMMUNICATE WITH THE CONTROL BOARD OF THE EXTERIOR AUTO OPENER AND NOTE THAT THE INTERIOR OPENER BUTTON HAS BEEN PRESSED.
3. THE CONTROL BOARD OF THE EXTERIOR AUTO OPENER SHALL COMMUNICATE WITH THE ACCESS CONTROL SYSTEM AND INSTRUCT IT TO RETRACT THE LATCH ON THE EXTERIOR DOOR.
4. THE EXTERIOR CONTROL BOARD SHALL WAIT A SET NUMBER OF SECONDS AND THEN IT SHALL ENGAGE THE EXTERIOR AUTO OPENER TO OPEN THE EXTERIOR DOOR.

OPERATION SEQUENCE WHEN THE DOORS ARE LOCKED, EXITING FROM VESTIBULE

1. WHEN A PERSON PUSHES THE VESTIBULE OPENER BUTTON THEN THAT SHALL COMMUNICATE WITH THE INTERIOR AUTO OPENER AND OPEN THAT DOOR. IT SHALL ALSO COMMUNICATE WITH THE CONTROL BOARD OF THE EXTERIOR AUTO OPENER.
2. THE CONTROL BOARD OF THE EXTERIOR AUTO OPENER SHALL COMMUNICATE WITH THE ACCESS CONTROL SYSTEM AND INSTRUCT IT TO RETRACT THE LATCH ON THE EXTERIOR DOOR.
3. THE EXTERIOR CONTROL BOARD SHALL WAIT A SET NUMBER OF SECONDS AND THEN IT SHALL ENGAGE THE EXTERIOR AUTO OPENER TO OPEN THE EXTERIOR DOOR.
4.



TYPICAL DEVICE CONNECTIVITY

GENERAL NOTE:

* THE OUTSIDE OPENER BUTTON WILL BE ENABLED & DISABLED BY THE ACCESS CONTROL SYSTEM. THE BUTTONS WILL BE ENABLED WHEN THE DOOR IS UNLOCKED.

2 TC502 ADA DOOR OPENER & ACCESS CONTROL INTEGRATION DIAGRAM

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PROJECT TITLE

HIGH SCHOOL ADDITION

Dexter Community School District

DRAWING TITLE

Security Equipment Details

ISSUE DATES

DATE:	ISSUED FOR:
03–09–26	D.R. 1 – CONSTRUCTION DOCUMENTS

DRAWN	BVH
CHECKED	BWH
APPROVED	BWE

PROJECT NO.

25026D

DRAWING NO.

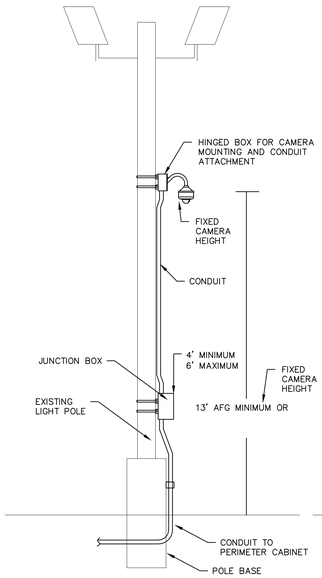
TC502

GENERAL NOTES:

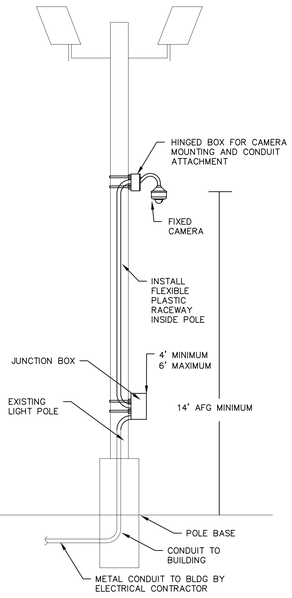
1. POLE EXISTS. CAMERA MAY ALREADY BE INSTALLED. SEE SITE PLAN. INSTALL NEW CAMERAS WHERE SHOWN ON SITE PLAN OR CAMERA ONE LINE.
2. WHEN INSTALLING A NEW CAMERA INSTALL CONDUIT FROM THE PERIMETER CABINET TO THE POLE. SEE ELECTRICAL FOR SPECIFICS.
3. INSTALL JUNCTION BOX AT BOTTOM OF POLE FOR TERMINATION OF CABLE AND INSTALLATION OF LIGHTNING ARRESTOR. SEE ELECTRICAL FOR BOX SIZE.
4. WHERE NO JUCTION BOX IS EXISTING AT THE BOTTOM OF THE POLE, INSTALL A JUNCTION BOX. BACKPULL CABLE TO THE NEW JUNCTION BOX FROM THE CAMERA. TERMINATE AND TEST AND LABEL CABLE.
5. INSTALL CONDUIT AND PATCH CABLE FROM JUNCTION BOX TO THE CAMERA. CONNECT CAMERA AND TEST.
6. SEE ELECTRICAL DIAGRAMS FOR GROUNDING OF LIGHTNING ARRESTOR.
7. INSTALL CONDUIT FROM JUNCTION BOX TO CAMERA BOX FOR NEW CAMERA LOCATIONS.

KEYED NOTES:

1. PROVIDE ONE (1) SURGE SUPPRESSOR FOR EACH CAT-6 CABLE THAT IS FED INTO THE CABINET, NEW AND EXISTING. CONNECT TO GROUND BAR. ENSURE DIRECTION OF ARRESTOR IS CORRECT. SEE ONE LINE FOR QUANTITY OF EXISTING CAMERAS AND NEW CAMERAS AT EACH CABINET.
2. CONNECT NEW SHIELDED CABLES AND LIGHTNING SUPPRESSORS TO THE GROUND BAR. ONE CONNECTION FOR EACH.
3. INSTALL NEW POE INJECTORS FOR EACH PTZ CAMERA. REMOVE EXISTING AND PROVIDE TO THE OWNER. MOUNT TO CABINET AND CONNECT TO POWER. PROVIDE PATCH CABLES TO CONNECT CAMERAS TO ETHERNET SWITCH
4. PROVIDE NEW ETHERNET SWITCH AND SFP MODULE FOR SWITCH. CONNECT TO FIBER BACKBONE AND CORE SWITCH IN ADMIN BUILDING. PROVIDE EXISTING SWITCH TO THE OWNER



CONDUIT EXTERIOR TO POLE



CABLE INSIDE OF POLE

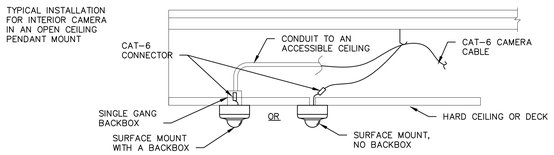
SEE ELECTRICAL DRAWINGS FOR ACTUAL CONDUIT REQUIREMENTS AND ROUTING

7 TC503 CAMERA POLE MOUNTING DETAIL

HARD CEILING/ FREEZER MOUNT

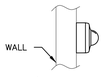


NOTES
1. INSTALL CAMERA TO THE UNDERSIDE OF THE CEILING OR STRUCTURE.
2. IF A BACKBOX IS INSTALLED THEN ATTACH TO THE BACKBOX. IF NO BACKBOX IS INSTALLED THEN ATTACH TO THE CEILING. CUT A HOLE TO PULL CABLE DOWN TO CAMERA. COORDINATE LOCATION OF CABLE AND CAMERA PRIOR TO CEILINING BEING INSTALLED.
3. INSTALL THE PATCH CABLE FROM CAT-6 CONNECTOR TO CAMERA. SHALL BE PLENUM RATED.
4. INSTALL A LABEL ON THE CAMERA THAT IS VISIBLE FROM BELOW.

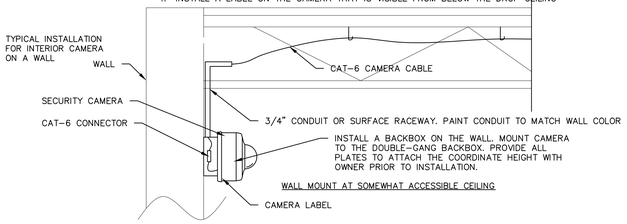


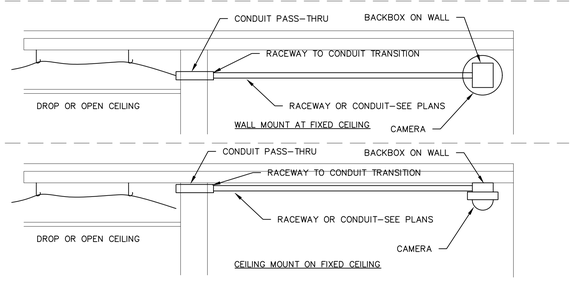
8 TC503 TYPICAL HARD CEILING CAMERA INSTALLATION

WALL/CEILING MOUNT – FIXED CEILING



NOTES
1. INSTALL CAMERAS ON THE WALL. PROVIDE THE RACEWAY AND BACKBOX.
2. SEE SPECS AND DRAWINGS FOR INFORMATION ABOUT WHO INSTALLS CAT-6 CABLE FROM COMM ROOM TO CAMERA LOCATION
3. SECURITY CONTRACTOR SHALL INSTALL THE PATCH CABLE FROM CAT-6 CONNECTOR TO CAMERA. SHALL BE PLENUM RATED.
4. INSTALL A LABEL ON THE CAMERA THAT IS VISIBLE FROM BELOW THE DROP CEILING

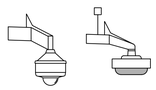




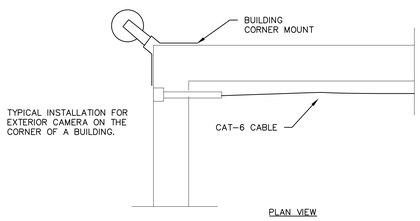
5 TC503 TYPICAL INTERIOR WALL/CEILING MOUNT CAMERA INSTALLATION

NOT TO SCALE

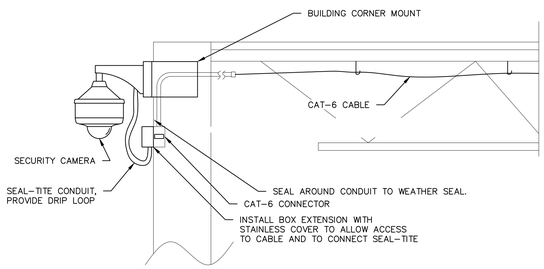
EXTERIOR CORNER MOUNT



NOTES:
1. INSTALL A CORNER MOUNT AT HEIGHT APPROVED BY OWNER.
2. INSTALL PATCH CABLE FROM CAT-6 CONNECTOR TO CAMERA. SHALL BE PLENUM RATED.
3. ALL CAMERAS SHALL BE INSTALLED WITH SEAL-TITE. SEAL AT WALL. NO CABLE SHALL BE VISIBLE. PROVIDE ALL CONNECTORS FOR SEAL-TITE



PLAN VIEW



ELEVATION

6 TC503 EXTERIOR CORNER, WALL MOUNT NEW BUILD. IN-WALL BOX PROVIDED

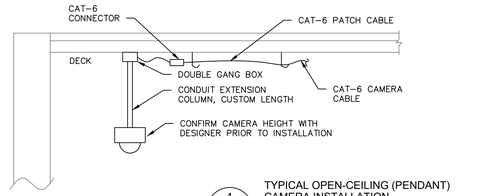
NOT TO SCALE

PENDANT MOUNT IN OPEN CEILING



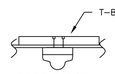
NOTES
1. INSTALL CAMERA IN A PENDANT MOUNT SUPPORTED BY CONDUIT TO THE DECK OR STRUCTURE.
2. INSTALL THE PATCH CABLE FROM CAT-6 CONNECTOR TO CAMERA. SHALL BE PLENUM RATED.
3. INSTALL A LABEL ON THE CAMERA THAT IS VISIBLE FROM BELOW.

TYPICAL INSTALLATION FOR INTERIOR CAMERA IN AN OPEN CEILING PENDANT MOUNT

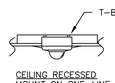


1 TC503 TYPICAL OPEN-CEILING (PENDANT) CAMERA INSTALLATION

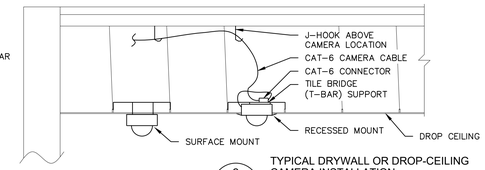
DROP OR FIXED CEILING



NOTES
1. INSTALL CAMERAS RECESSED IN DROP CEILING OR DRYWALL CEILING. PROVIDE THE CORRECT MOUNT.
2. SEE SPECS & DRAWINGS FOR INFORMATION ABOUT WHO INSTALLS CAT-6 CABLE FROM COMM ROOM TO CAMERA LOCATION.
3. SECURITY CONTRACTOR SHALL INSTALL THE PATCH CABLE FROM CAT-6 CONNECTOR TO CAMERA. SHALL BE PLENUM RATED.
4. INSTALL A LABEL ON THE CAMERA THAT IS VISIBLE FROM BELOW THE DROP CEILING.

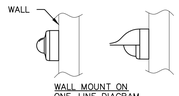


TYPICAL INSTALLATION FOR INTERIOR CAMERA IN A DROP CEILING OR FIXED CEILING.



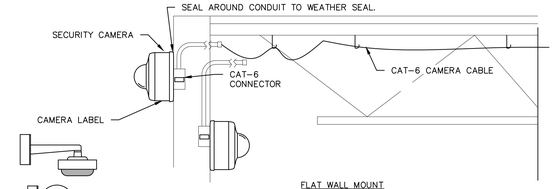
2 TC503 TYPICAL DRYWALL OR DROP-CEILING CAMERA INSTALLATION

EXTERIOR/INTERIOR WALL MOUNT



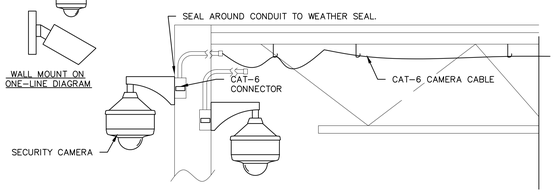
NOTES
1. INSTALL CAMERAS TO THE BACKBOX IN THE WALL. CHECK CONDUIT AND BACKBOX WITH ELECTRICIAN DURING CONSTRUCTION
2. SEE SPECS & DRAWINGS FOR INFORMATION ABOUT WHO INSTALLS CAT-6 CABLE FROM COMM ROOM TO CAMERA LOCATION.
3. SECURITY CONTRACTOR SHALL INSTALL THE PATCH CABLE FROM CAT-6 CONNECTOR TO CAMERA. SHALL BE PLENUM RATED.
4. WHERE THE CAMERA LOOKS OUT FROM THE BUILDING INSTALL THE FLAT WALL MOUNT. WHERE THE CAMERA IS SHOWN LOOKING ALONG THE BUILDING THE CONTRACTOR SHALL INSTALL THE PENDANT WALL MOUNT.

TYPICAL INSTALLATION FOR EXTERIOR CAMERA MOUNTED ON A WALL



FLAT WALL MOUNT

USE THIS MOUNT WHEN THE CAMERA IS LOOKING STRAIGHT OUT FROM THE BUILDING.



PENDANT WALL MOUNT

USE THIS MOUNT WHEN THE CAMERA IS AIMED TO PROVIDE AN IMAGE ALONG THE EXTERIOR WALL.

3 TC503 EXTERIOR OR INTERIOR WALL MOUNT NEW BUILD. BACKBOX PROVIDED

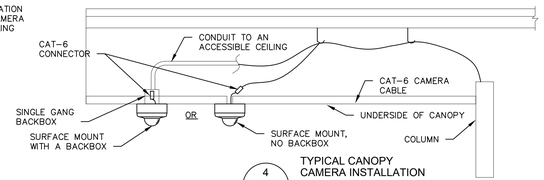
NOT TO SCALE

CANOPY MOUNT



NOTES
1. INSTALL CAMERA TO THE UNDERSIDE OF THE CANOPY.
2. ROUTE CABLE WITHIN THE CANOPY FROM CAMERA LOCATION TO THE VERTICAL COLUMN.
3. INSTALL CABLE DOWN COLUMN, THROUGH CONDUIT AND TO THE BUILDING.
4. IF A BACKBOX IS INSTALLED THEN ATTACH TO THE BACKBOX. IF NO BACKBOX IS INSTALLED THEN ATTACH TO THE CANOPY UNDERSIDE. CUT A HOLE TO PULL CABLE DOWN TO CAMERA. COORDINATE LOCATION OF CABLE AND CAMERA PRIOR TO CEILINING BEING INSTALLED.
5. INSTALL THE PATCH CABLE FROM CAT-6 CONNECTOR TO CAMERA. SHALL BE PLENUM RATED.
6. INSTALL A LABEL ON THE CAMERA THAT IS VISIBLE FROM BELOW.

TYPICAL INSTALLATION FOR INTERIOR CAMERA IN AN OPEN CEILING PENDANT MOUNT



4 TC503 TYPICAL CANOPY CAMERA INSTALLATION

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PROJECT TITLE

HIGH SCHOOL ADDITION

Dexter Community School District

DRAWING TITLE

Camera Mounting Details

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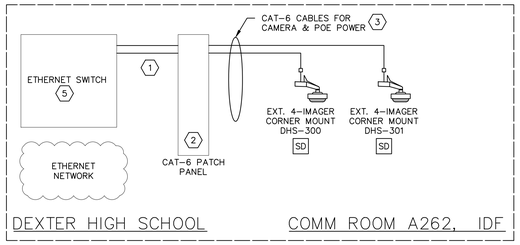
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APPROVED	BWE

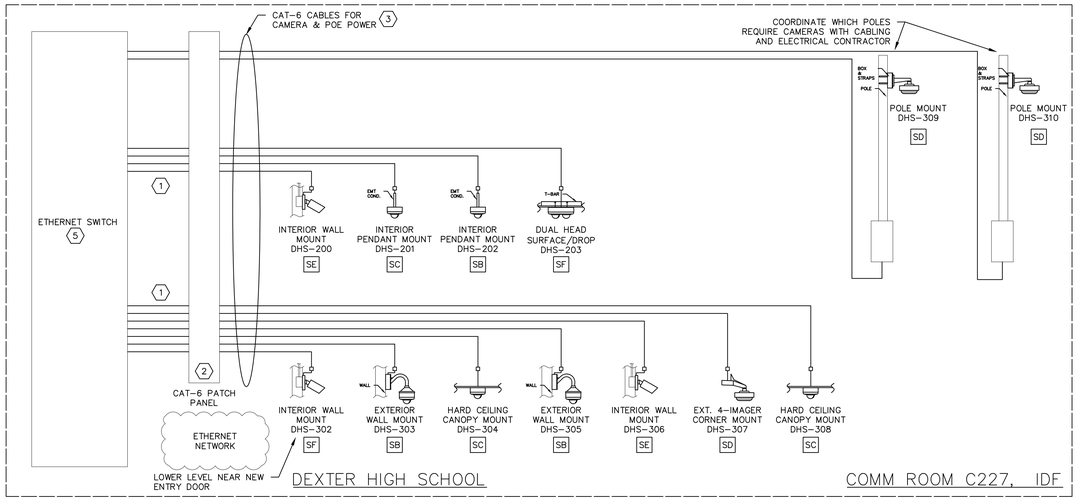
PROJECT NO.

25026D

DRAWING NO.

TC503





GENERAL VIDEO SECURITY NOTES:

1. CONTRACTOR SHALL PROVIDE ALL PATCH CABLES AT THE CAMERA AND AT THE COMM ROOM. MATCH COLOR OF CAMERA CABLE. 12" LONG AT SWITCH. 10' AT THE CAMERA
2. THE CONTRACTOR SHALL SUPPLY ANY & ALL BALUNS, COUPLERS ADAPTERS & CONVERTERS THAT ARE REQUIRED FOR THE INTER-CONNECTION OF ALL THE SECURITY COMPONENTS.
3. CONTRACTOR SHALL PROVIDE THE CORRECT CAMERA MOUNT BASED ON CAMERA LOCATION AND STRUCTURE AVAILABLE. VERIFY CAMERA LOCATION PRIOR TO ORDERING MOUNTS AND CAMERAS.
4. CAMERAS IN DROP CEILINGS SHALL BE RECESSED MOUNT. PROVIDE BACKPLATE OR T-BAR FOR SUPPORT FROM GRID, NOT JUST THE TILE.
5. WHERE THE CAMERA IS NOT INSTALLED INTO A DROP CEILING THE CONTRACTOR SHALL PROVIDE A MOUNT AND HOUSING. PROVIDE WEATHERPROOF MOUNTS ON EXTERIOR CAMERAS.
6. EXTERIOR CAMERAS SHALL BE RATED FOR OUTDOOR INSTALLATION AND SHALL PROVIDE THEIR OWN HEAT.
7. CONTRACTOR SHALL MEET WITH THE OWNER AND DETAIL ALL THE CAPABILITIES OF THE SYSTEM. THE CONFIGURATION OF THE RECORDER AND CAMERAS SHALL BE BASED ON THESE MEETINGS WITH THE OWNER. TAKE NOTES DURING THE MEETINGS. SUBMIT WITH AS-BUILTS
8. CONTRACTOR SHALL PROVIDE THE CORRECT LENS TO EACH CAMERA BASED ON THE INSTALLED LOCATION AND THE OWNERS REQUIREMENTS FOR THE FIELD OF VIEW. WORK WITH THE OWNER DURING INSTALLATION.
9. ALL CAMERAS SHALL CONNECT TO THE IP NETWORK SWITCH IN THE COMMUNICATIONS ROOM. CONTRACTOR SHALL WORK WITH THE OWNER ON CONFIGURATION OF THE ETHERNET SWITCH.
10. PRIOR TO CAMERA INSTALLATION THE CONTRACTOR SHALL CONDUCT A "GREEN-TAPE" WALK-THRU OF THE SITES WITH THE OWNER AND IDENTIFY ALL CAMERA LOCATIONS AND INSTALL TAPE AT EACH CAMERA LOCATION.
11. NETWORK VIDEO RECORDER(S) (NVR) IS EXISTING. CONTRACTOR SHALL PROVIDE AND CONFIGURE ALL VMS AND SYSTEM SOFTWARE REQUIRED. EXISTING SYSTEM IS DIGITAL WATCHDOG.

KEYED VIDEO SECURITYNOTES:

1. PROVIDE ALL PATCH CABLES REQUIRED FOR CONNECTION OF ALL CAMERAS AT THE CAMERA AND AT THE NETWORK SWITCH. ALL PATCH CABLES SHALL BE MATCH CABLE COLOR
2. LABEL THE CAT-6 PATCH PANEL WITH THE CAMERA NUMBER THE CABLE CONNECTS TO. SHALL BE LASER PRINTED. SEE SPECS
3. SEE SPECIFICATIONS AND BID SCOPES TO DETERMINE WHICH CONTRACTOR IS TO INSTALL AND TERMINATE THE CAT-6 CABLES USED FOR SECURITY CAMERAS.
4. THE SERVER(S) ARE EXISTING. CONTRACTOR SHALL LOAD ALL SOFTWARE REQUIRED TO RECORD AND MANAGE ALL CAMERAS THROUGHOUT THE BUILDINGS. PROVIDE THE QUANTITY OF SERVERS AND STORAGE AS REQUIRED TO RECORD AND VIEW ALL CAMERAS AS PER THE SPECIFICATIONS
5. THE SECURITY CONTRACTOR SHALL MEET WITH THE OWNER TO CONFIRM ALL NETWORK SPECIFICATION REQUIREMENTS FOR A VLAN OR OTHER QUALITY OF SERVICE SETTINGS FOR THE CAMERA SYSTEM

REFER TO THE PLANS FOR CAMERA LOCATIONS

1 TC504 VIDEO SECURITY DIAGRAM WYLIE ELEMENTARY

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PROJECT TITLE
HIGH SCHOOL ADDITION

Dexter Community School District

DRAWING TITLE
Camera One-Line Diagram

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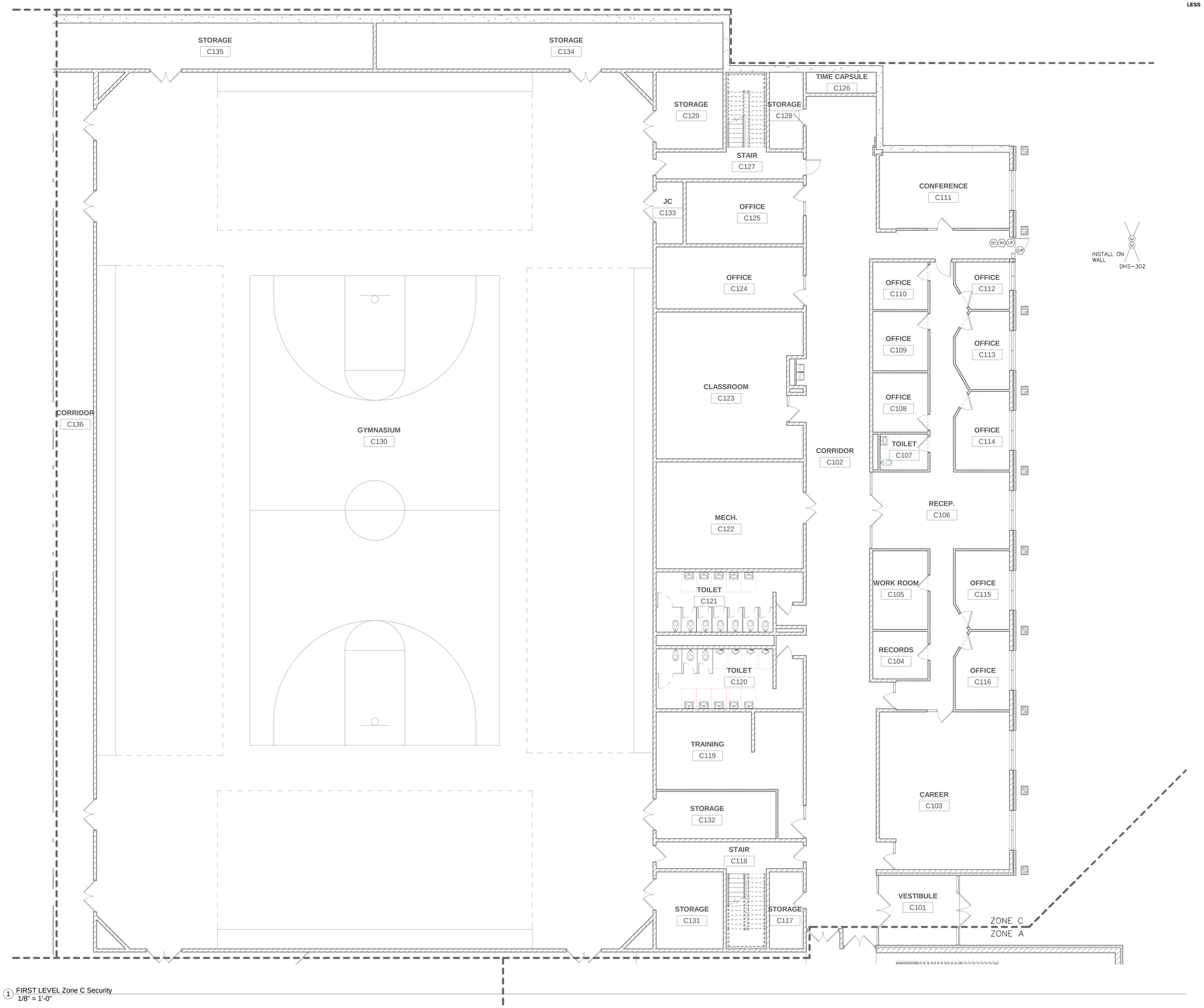
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APPROVED	BME

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25026D

DRAWING NO.
TC504

GENERAL CABLING NOTES

1. COMMUNICATIONS CONTRACTOR SHALL INSTALL ANY PASS-THRU'S REQUIRED FOR ROUTING CABLES AROUND THE BUILDING THAT ARE NOT SHOWN AS BEING INSTALLED AS PART OF THE "TR" SERIES DRAWINGS. SEE ATTACHED.
2. CONTRACTOR SHALL COMPLETE A WALK-THRU OF THE SITE DURING CONSTRUCTION AND SHALL VERIFY ALL CONDUITS AND PASS THRU'S ARE INSTALLED FOR CABLES.
3. ALL CABLES SHALL BE SUPPORTED ABOVE THE DROP CEILING BY J-HOOKS. HOOKS SHALL BE LOCATED NO LESS THAN EVERY 5 FEET.



1 FIRST LEVEL Zone C Security
1/8" = 1'-0"

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PROJECT TITLE

HIGH SCHOOL ADDITIONS

DRAWING TITLE

FIRST FLOOR ZONE C SECURITY PLAN

KEY PLAN

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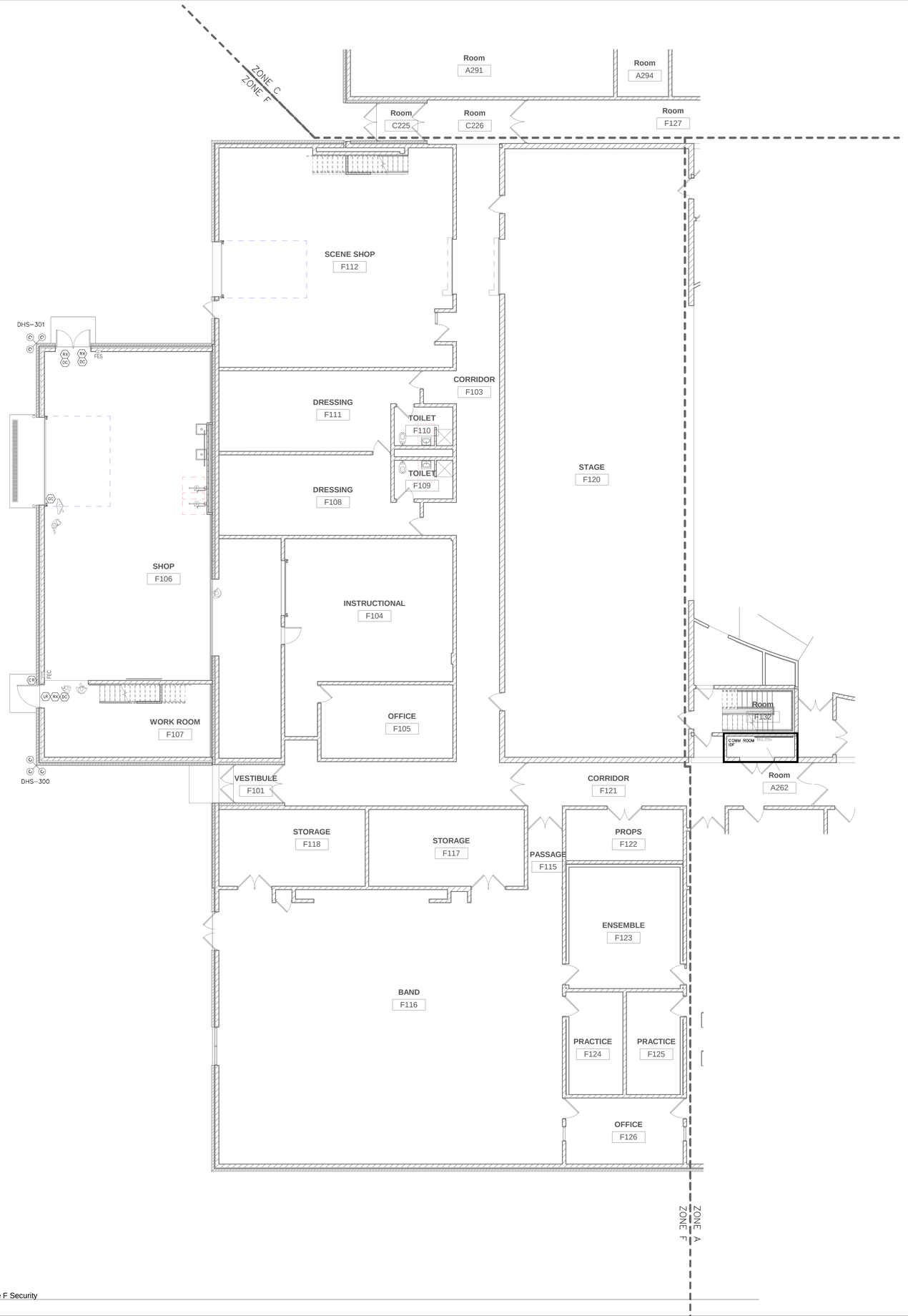
PROJECT NO.

25026G

DRAWING NO.

TC601C

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1 FIRST LEVEL Zone F Security
1/8" = 1'-0"

GENERAL SECURITY NOTES

1. SECURITY CONTRACTOR SHALL INSTALL ANY CONDUITS & PASS-THRU'S REQUIRED FOR ROUTING CABLES AROUND THE BUILDING IN ADDITION TO THOSE SHOWN.
2. CONTRACTOR SHALL COMPLETE A WALK-THRU PRIOR TO CONSTRUCTION & SHALL VERIFY ALL RACEWAYS & PATHWAYS.
3. ALL CABLES SHALL BE SUPPORTED ABOVE THE DROP CEILING BY J-HOOKS. HOOKS SHALL BE LOCATED NO LESS THAN EVERY 5 FEET.
4. WHERE A CAMERA IS MARKED AS SURFACE MOUNTED ON THE ONE-LINE, THAT CAMERA MAY BE MOUNTED TO THE CEILING OR WALL. PROVIDE A BACKBOX & RACEWAY.

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PROJECT TITLE

HIGH SCHOOL ADDITIONS

DRAWING TITLE

FIRST FLOOR ZONE F SECURITY PLAN

KEY PLAN

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APPROVED	BWE

PROJECT NO.

25026G

DRAWING NO.

TC601F

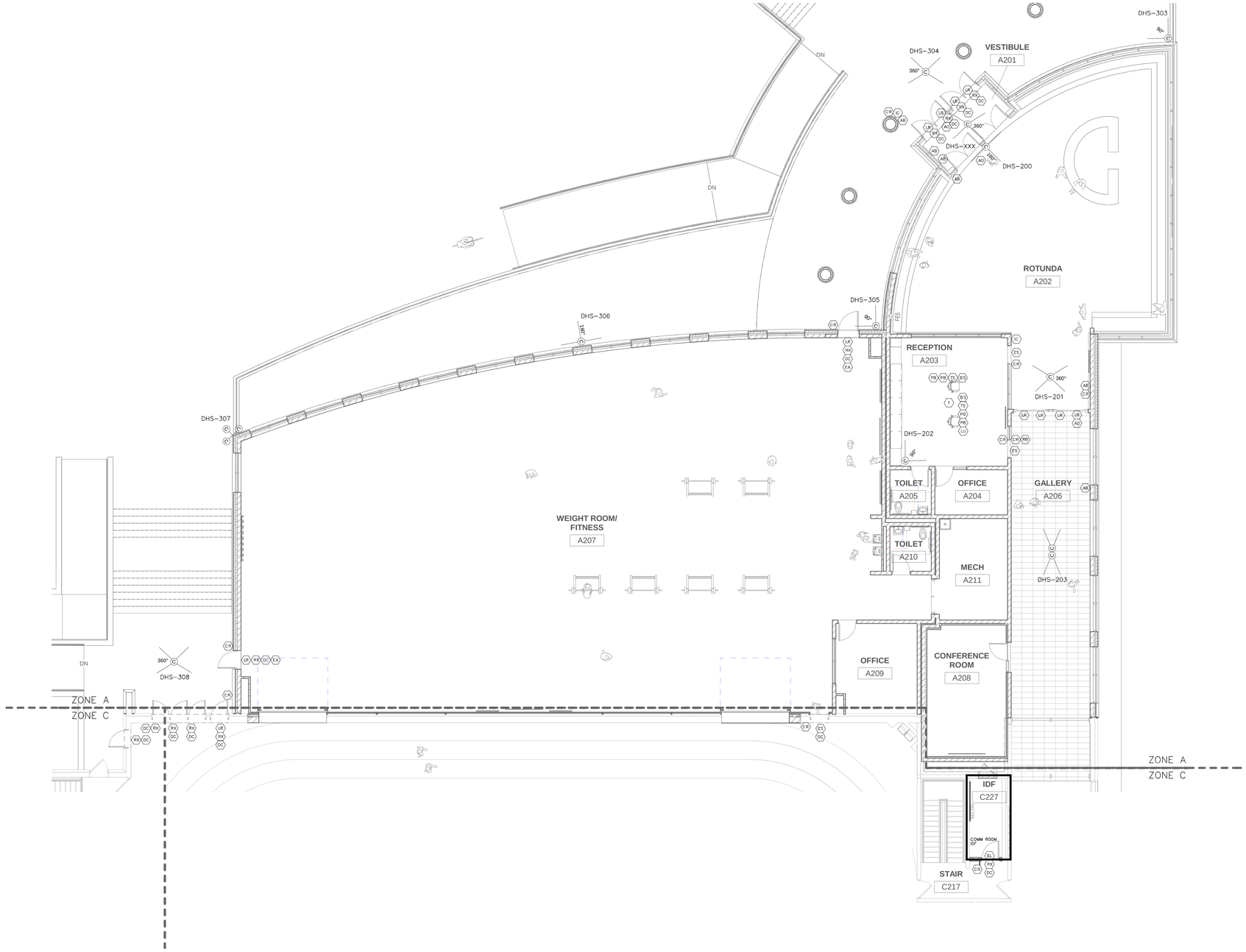
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GENERAL SECURITY NOTES

1. SECURITY CONTRACTOR SHALL INSTALL ANY CONDUITS & PASS-THRU'S REQUIRED FOR ROUTING CABLES AROUND THE BUILDING IN ADDITION TO THOSE SHOWN.
2. CONTRACTOR SHALL COMPLETE A WALK-THRU PRIOR TO CONSTRUCTION & SHALL VERIFY ALL RACEWAYS & PATHWAYS.
3. ALL CABLES SHALL BE SUPPORTED ABOVE THE DROP CEILING BY J-HOOKS. HOOKS SHALL BE LOCATED NO LESS THAN EVERY 5 FEET.
4. WHERE A CAMERA IS MARKED AS SURFACE MOUNTED ON THE ONE-LINE, THAT CAMERA MAY BE MOUNTED TO THE CEILING OR WALL. PROVIDE A BACKBOX & RACEWAY.

KEYED SECURITY NOTES

1. ROUTE ACCESS CONTROL CABLING THROUGH FLOORBOX. INSTALL ACCESS CONTROL INTO DESK. COORDINATE WITH ELECTRICAL AND FURNITURE CONTRACTORS.



1 SECOND LEVEL Zone A Security
1/8" = 1'-0"

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PROJECT TITLE

HIGH SCHOOL ADDITIONS

DRAWING TITLE

SECOND FLOOR ZONE A SECURITY PLAN

KEY PLAN

ISSUE DATES

DATE:	ISSUED FOR:
03-09-26	D.R. 1 - CONSTRUCTION DOCUMENTS

DRAWN	BWH
CHECKED	DKH
APPROVED	BWE

PROJECT NO.

25026G

DRAWING NO.

TC602A

Autodesk Docs://25026_DCS_Dexter HS - Renovations (A,B,D,F,G,H,J)/25026-Tech-V2025.rvt
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ACCESS CONTROL AT DOOR RACEWAY

RX	REQUEST TO EXIT IN LOCK – SWITCH INSIDE PUSHBAR OR ELECTRIC LATCH. INSTALL CONDUIT TO HINGE SIDE OF DOOR
DC	DOOR CONTACT – INSTALLED AT TOP OF DOOR FRAME ABOVE DOOR. INSTALL BACKBOX AT DOOR FRAME AND CONDUIT TO CEILING.
GC	GARAGE CONTACT – INSTALL AN OVERHEAD DOOR CONTACT. CONDUIT AND BACKBOX INSTALLED AT 6'6" AFF
EA	EMBARASSMENT ALARM – MOUNT TO DROP OR HARD CEILING. INSTALL CONDUIT AND BACKBOX ON WALL AT 9' AFF IF NO CEILING IS INSTALLED
RB	DOOR RELEASE BUTTON – PUSHBUTTON TO RELEASE A DOOR LOCK. INSTALL CONDUIT AND BACKBOX OR INSTALL AT DOOR FRAME. SEE FLOOR PLANS

ACCESS CTRL. DESK EQUP. RACEWAY

PB	PUSH BUTTON – BUTTON AT DESK TO TRIGGER AN EVENT INSTALL CONDUIT AN BACKBOX BELOW DESK
TS	TOGGLE SWITCH – TOGGLE SWITCH AT DESK. INSTALL CONDUIT AND BACKBOX BELOW DESK

INTERCOM / ASST. OPENER RACEWAY

IC	INTERCOM – DEVICE FOR AUDIO AND VIDEO CONNECTION TO UNSECURE SIDE OF DOOR. INSTALL CONDUITS AND BACKBOX.
BS	INTERCOM BASE SYSTEM – DEVICE FOR AUDIO AND VIDEO CONNECTION AT DESK. INSTALL CONDUITS AND BACKBOX TO UNDERSIDE OF DESK
AO	ASSISTED OPENER – THIS MECHANICALLY OPENS A DOOR. CONDUIT FROM OPENER TO CEILING.
AB	ASSISTED OPENER BUTTON– BUTTON TO TRIGGER ASSISTED OPENER. INSTALL CONDUIT AND BACKBOX AT 46" AFF TO CENTER. MATCH LIGHT SWITCH HEIGHT

ACCESS CONTROL READER RACEWAY

CR	CARD READER – PROXIMITY DEVICE BESIDE A DOOR. PROVIDE BACKBOX AND CONDUIT. WHERE NOTED TO BE INSTALLED ON DOOR FRAME INSTALL CONDUIT TO DOOR FRAME

ACCESS CONTROL LOCK RACEWAY

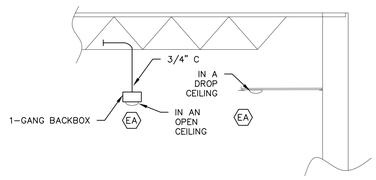
LR	LATCH RETRACTION DEVICE – LOCK MECHANISM INSIDE PUSHBAR OF DOOR. INSTALL CONDUIT TO DOOR HINGE.
ES	ELECTRIC STRIKE – ELECTRONIC LOCKING DEVICE IN DOOR FRAME AT LATCH. INSTALL CONDUIT TO DOOR LATCH

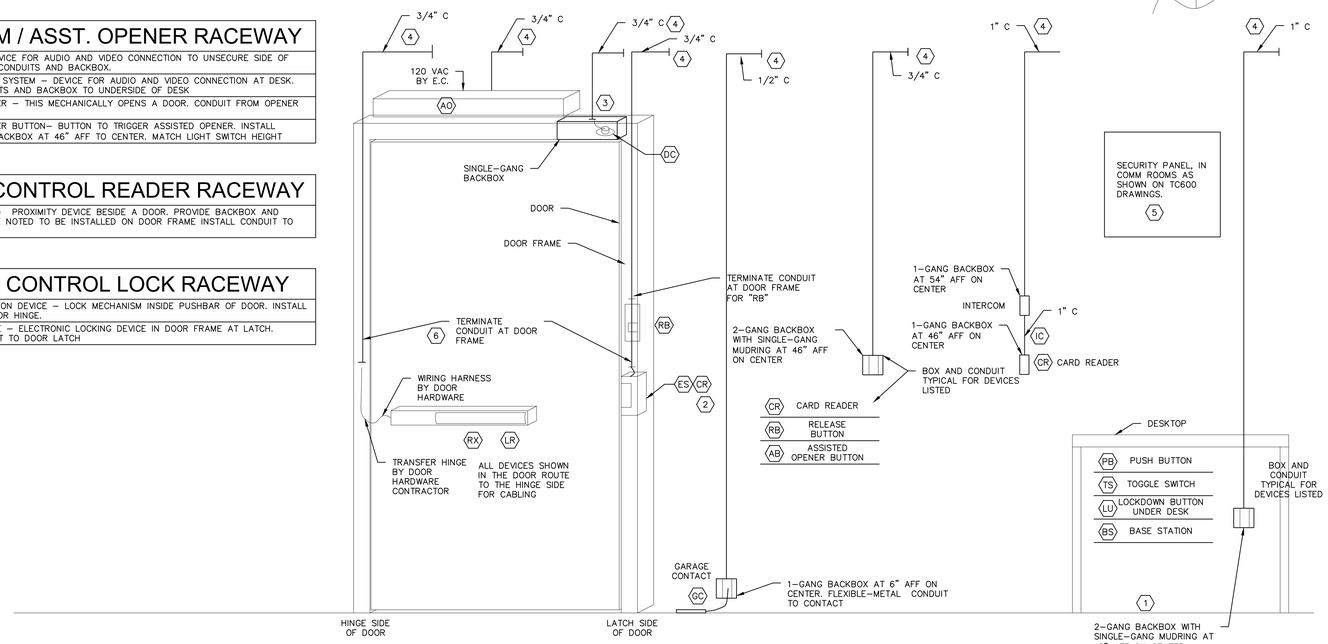
KEYED NOTES:

1. ONLY ONE CONDUIT AND BACKBOX IS REQUIRED WHERE THESE DEVICES ARE INSTALLED AT THE SAME DESK
2. WHEN THE "CR" IS SHOWN AS BEING ON A DOOR FRAME, DO NOT INSTALL A BACKBOX. INSTALL CONDUIT INTO THE DOOR FRAME
3. INSTALL BACKBOX FACING DOWN AT HEADER OF DOOR FOR DC AND RX. INSTALL CONDUIT TO CEILING AREA.
4. INSTALL A CONDUIT TO AN ACCESSIBLE CEILING AREA.
5. ACCESS CONTROL PANEL WILL BE INSTALLED IN THE COMM ROOM. PROVIDE POWER TO THE PANEL
6. COORDINATE LENGTH AND TERMINATION POINT OF CONDUIT WITH THE DOOR HARDWARE AND DOOR INSTALLER.

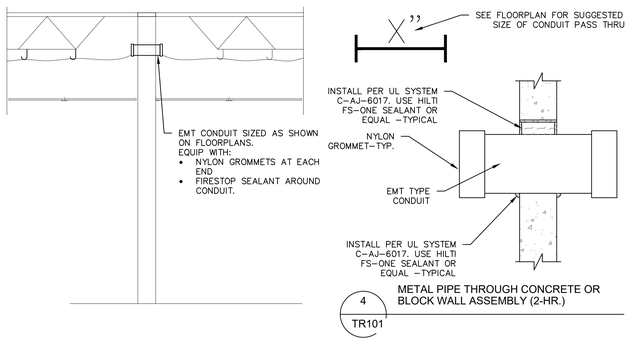
GENERAL NOTES:

1. INSTALL RACEWAYS AND BACKBOXES AT DOORS AND DESKS FOR CONNECTION OF SECURITY AND ALARM DEVICES.
2. CONDUIT INSTALLER SHALL WORK WITH DOOR INSTALLER, DOOR HARDWARE CONTRACTOR AND SECURITY CONTRACTOR WHEN INSTALLING CONDUITS.

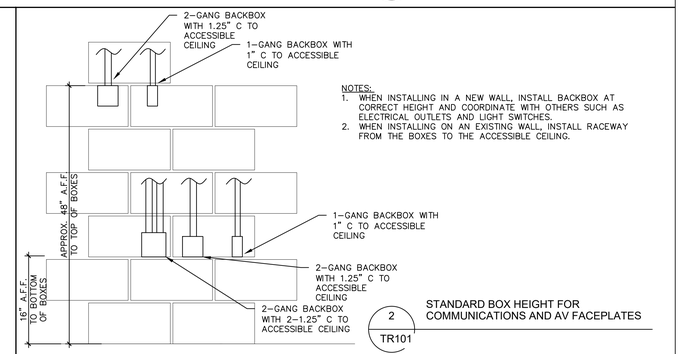




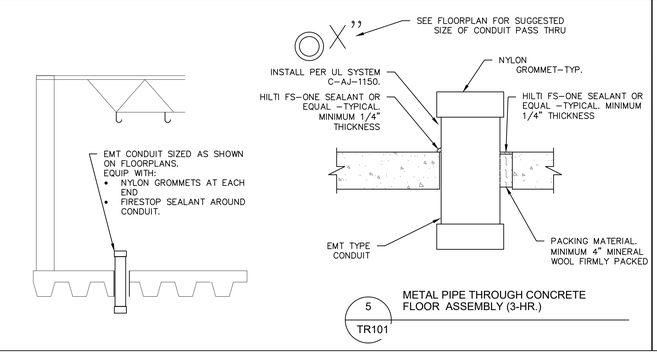
1 TR101 ACCESS CONTROL RACEWAY DETAIL



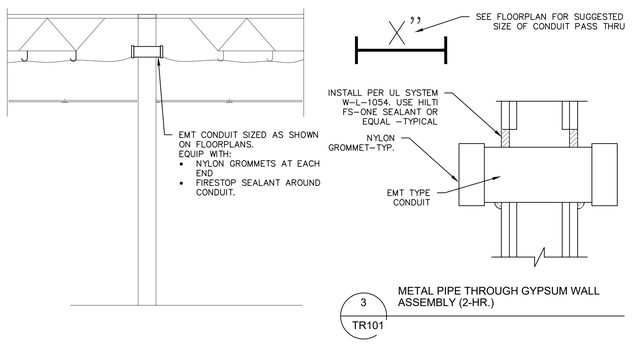
4 TR101 METAL PIPE THROUGH CONCRETE OR BLOCK WALL ASSEMBLY (2-HR.)



2 TR101 STANDARD BOX HEIGHT FOR COMMUNICATIONS AND AV FACEPLATES



5 TR101 METAL PIPE THROUGH CONCRETE FLOOR ASSEMBLY (3-HR.)



3 TR101 METAL PIPE THROUGH GYPSUM WALL ASSEMBLY (2-HR.)

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REGISTRATION SEAL

CONSULTANT

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PROJECT TITLE

HIGH SCHOOL ADDITION

Dexter Community School District

DRAWING TITLE

Raceway Legends, Schedules & Details

ISSUE DATES

DATE:	ISSUED FOR:
03-09-26	D.R. 1 – CONSTRUCTION DOCUMENTS

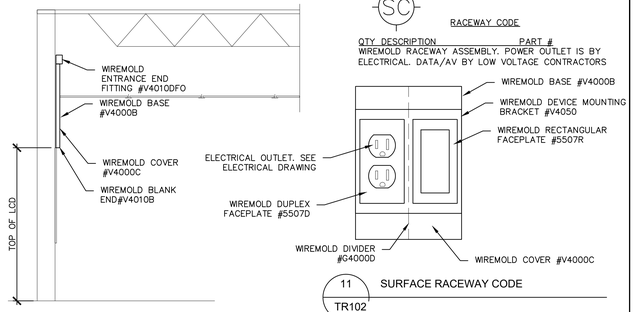
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PROJECT NO.

25026D

DRAWING NO.

TR101

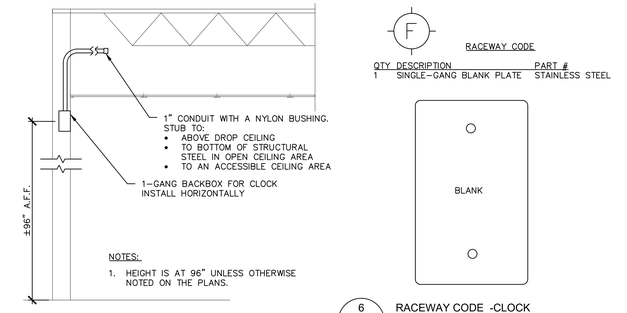


SC

RACEWAY CODE

QTY	DESCRIPTION	PART #
	WIREMOLD RACEWAY ASSEMBLY. POWER OUTLET IS BY ELECTRICAL. DATA/AV BY LOW VOLTAGE CONTRACTORS	

11 SURFACE RACEWAY CODE
TR102



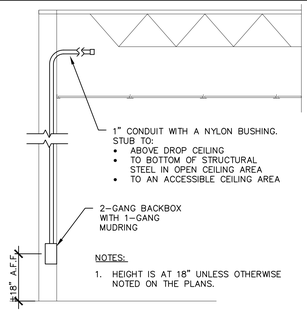
NOTES:
1. HEIGHT IS AT 96" UNLESS OTHERWISE NOTED ON THE PLANS.

F

RACEWAY CODE

QTY	DESCRIPTION	PART #
1	SINGLE-GANG BLANK PLATE	STAINLESS STEEL

6 RACEWAY CODE -CLOCK
TR102

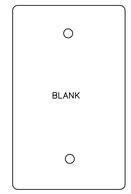


NOTES:
1. HEIGHT IS AT 18" UNLESS OTHERWISE NOTED ON THE PLANS.

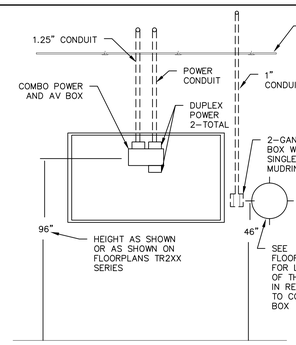
A

RACEWAY CODE

QTY	DESCRIPTION	PART #
1	SINGLE-GANG BLANK PLATE	STAINLESS STEEL



1 RACEWAY CODE
TR102



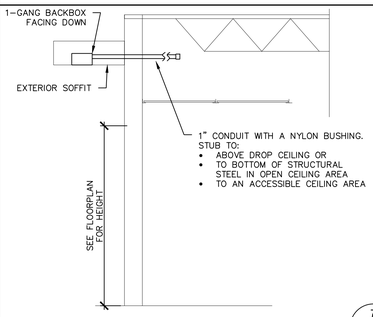
LA

IN WALL BOX PARTS

QTY	DESCRIPTION	MFG.	PART #
1	IN-WALL BOX	WIREMOLD	EFSB2
1	KNOCKOUT PLATE	WIREMOLD	EFB810-3/4-11/4

GENERAL NOTES:
1. BACKBOXES FOR LCD'S SHALL BE IN-WALL POWER AND LOW VOLTAGE BOX.
2. PROVIDE ALL BOXES FOR TERMINATION OF ALL OPENINGS INTO THE BOX.
3. PROVIDE WITH ONE (1) DUPLEX POWER OUTLET.
4. PROVIDE BOXES AND CONDUITS SHOWN FOR CONNECTION OF INPUTS AND CONTROLS

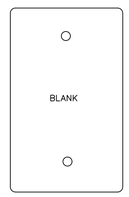
12 LCD RACEWAY AND BOX CONTROL PLATE
TR102



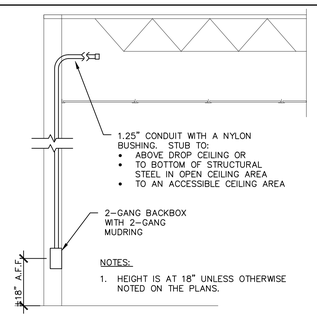
G

RACEWAY CODE

QTY	DESCRIPTION	PART #
1	SINGLE-GANG BLANK PLATE	STAINLESS STEEL



7 CONNECTIVITY CODE
TR102

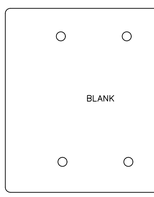


NOTES:
1. HEIGHT IS AT 18" UNLESS OTHERWISE NOTED ON THE PLANS.

B

RACEWAY CODE

QTY	DESCRIPTION	PART #
1	DOUBLE-GANG BLANK PLATE	STAINLESS STEEL



2 RACEWAY CODE
TR102

LB

IN WALL BOX PARTS

QTY	DESCRIPTION	MFG.	PART #
1	IN-WALL BOX	WIREMOLD	EFSB2
1	KNOCKOUT PLATE	WIREMOLD	EFB810-3/4-11/4

GENERAL NOTES:
1. BACKBOXES FOR LCD'S SHALL BE IN-WALL POWER AND LOW VOLTAGE BOX.
2. PROVIDE ALL BOXES FOR TERMINATION OF ALL OPENINGS INTO THE BOX.
3. PROVIDE WITH ONE (1) DUPLEX POWER OUTLET.
4. PROVIDE BOXES AND CONDUITS SHOWN FOR CONNECTION OF INPUTS AND CONTROLS

13 LCD RACEWAY AND BOX STAND ALONE
TR102

NOTES:
1. HEIGHT IS AT 18" UNLESS OTHERWISE NOTED ON THE PLANS.

H

RACEWAY CODE

QTY	DESCRIPTION	PART #
1	DOUBLE-GANG BLANK PLATE	STAINLESS STEEL

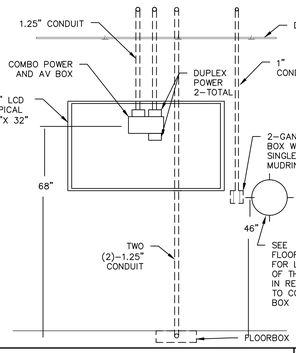
8 RACEWAY CODE
TR102

C

RACEWAY CODE

QTY	DESCRIPTION	PART #
1	SINGLE-GANG BLANK PLATE	STAINLESS STEEL

3 RACEWAY CODE
TR102



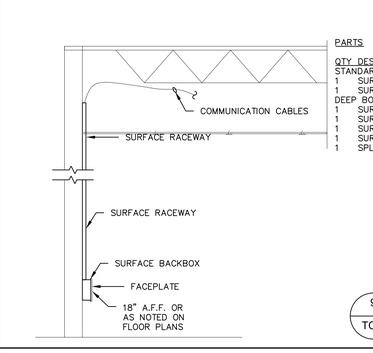
LC

IN WALL BOX PARTS

QTY	DESCRIPTION	MFG.	PART #
1	IN-WALL BOX	WIREMOLD	EFSB4
1	KNOCKOUT PLATE	WIREMOLD	EFB810-3/4-11/4

GENERAL NOTES:
1. BACKBOXES FOR LCD'S SHALL BE IN-WALL DUAL POWER AND LOW VOLTAGE BOX. FSR #PWB-100 OR EQUAL.
2. PROVIDE ALL BOXES FOR TERMINATION OF ALL OPENINGS INTO THE BOX.
3. PROVIDE WITH TWO (2) DUPLEX POWER OUTLETS.
4. PROVIDE BOXES AND CONDUITS SHOWN FOR CONNECTION OF INPUTS AND CONTROLS
5. MINIMUM OF 41" FROM CENTER OF IN-WALL LCD BOX TO CENTER OF 2-GANG BOX NEAR SIDE OF LCD
6. BOTTOM OF LCD SHOULD BE FINALIZED WITH DESIGNER ONSITE PRIOR TO INSTALLATION

14 LCD RACEWAY AND BOX FLOOR BOX AND CONTROL PLATE
TR102

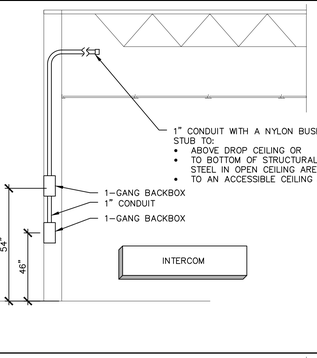


SA

PARTS CONNECTIVITY CODE

QTY	DESCRIPTION	MANUFACTURER	PART #
	STANDARD BOX		
1	SURFACE BACKBOX 1-GANG	WIREMOLD	V2448
1	SURFACE BACKBOX 2-GANG	WIREMOLD	V2448-2
	DEEP BOX		
1	SURFACE BACKBOX 1-GANG	WIREMOLD	V2444
1	SURFACE BACKBOX 2-GANG	WIREMOLD	V2444-2
1	SURFACE RACEWAY	WIREMOLD	V2400B
1	SURFACE RACEWAY COVER	WIREMOLD	V2400BC
1	SPLICE COVERS	WIREMOLD	V2406

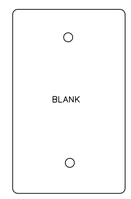
9 TYPICAL SURFACE RACEWAY INSTALLED BY COMM CONTRACTOR
TC102



D

RACEWAY CODE

QTY	DESCRIPTION	PART #
2	SINGLE-GANG BLANK PLATES	STAINLESS STEEL



4 RACEWAY CODE
TR702

SB

RACEWAY CODE

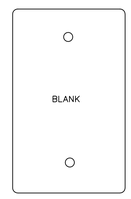
QTY	DESCRIPTION	PART #
	WIREMOLD RACEWAY ASSEMBLY. POWER OUTLET IS BY ELECTRICAL. DATA/AV BY LOW VOLTAGE CONTRACTORS	

10 SURFACE RACEWAY CODE
TR102

E

RACEWAY CODE

QTY	DESCRIPTION	PART #
1	SINGLE-GANG BLANK PLATE	STAINLESS STEEL



5 CONNECTIVITY CODE
TR102

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PROJECT TITLE

HIGH SCHOOL ADDITION

Dexter Community School District

DRAWING TITLE

Raceway Connectivity Codes

ISSUE DATES

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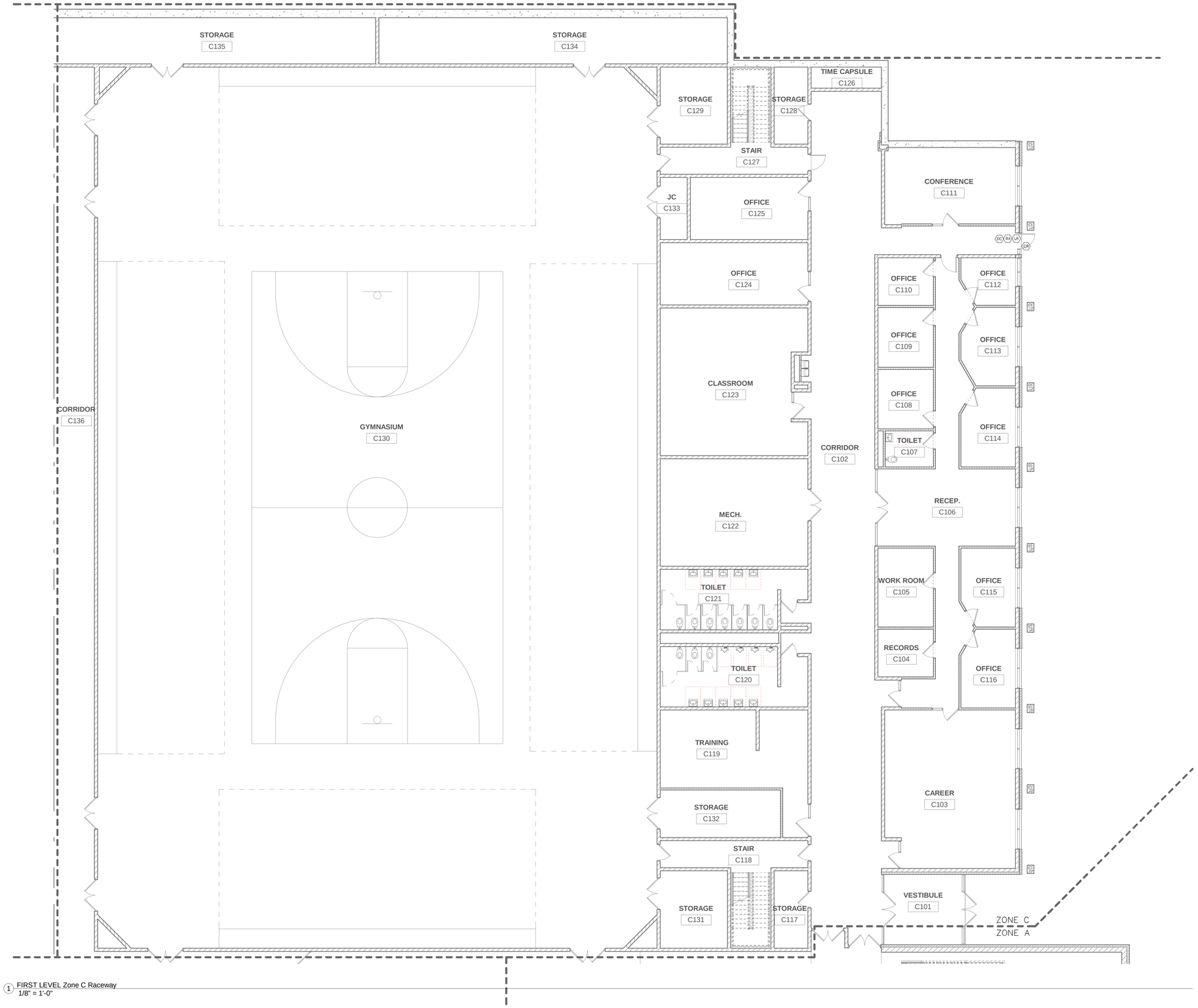
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CHECKED	BWH
APPROVED	BWE

PROJECT NO.

25026D

DRAWING NO.

TR102



1 FIRST LEVEL Zone C Raceway
1/8" = 1'-0"

GENERAL RACEWAY NOTES

1. SEE THE SERIES FLOOR PLANS AND DETAILS FOR ALL TECHNOLOGY RACEWAYS.
2. FLOORBOXES ARE SHOWN ON THE ELECTRICAL DRAWINGS. SEE ELECTRICAL DETAILS FOR FLOORBOX TECHNOLOGY RACEWAYS.
3. FINAL COORDINATE HEIGHT OF ALL LCD BACKBOXES WITH THE TECHNOLOGY CONTRACTOR PRIOR TO INSTALL. CONDUCT A SITE WALK THRU AND MARKUP DRAWINGS. PROVIDE TO DESIGNER FOR REVIEW PRIOR TO INSTALLATION OF RACEWAYS.
4. SEE SHEETS TR1XX FOR RACEWAY AND FIRSTOP REQUIREMENTS.
5. SEE ELECTRICAL SPECIFICATIONS FOR RACEWAY TYPE REQUIREMENTS AND INSTALLATION STANDARDS.

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PROJECT TITLE

HIGH SCHOOL ADDITIONS

DRAWING TITLE

FIRST FLOOR ZONE C RACEWAY PLAN

KEY PLAN

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CHECKED	DKH
APPROVED	BWE

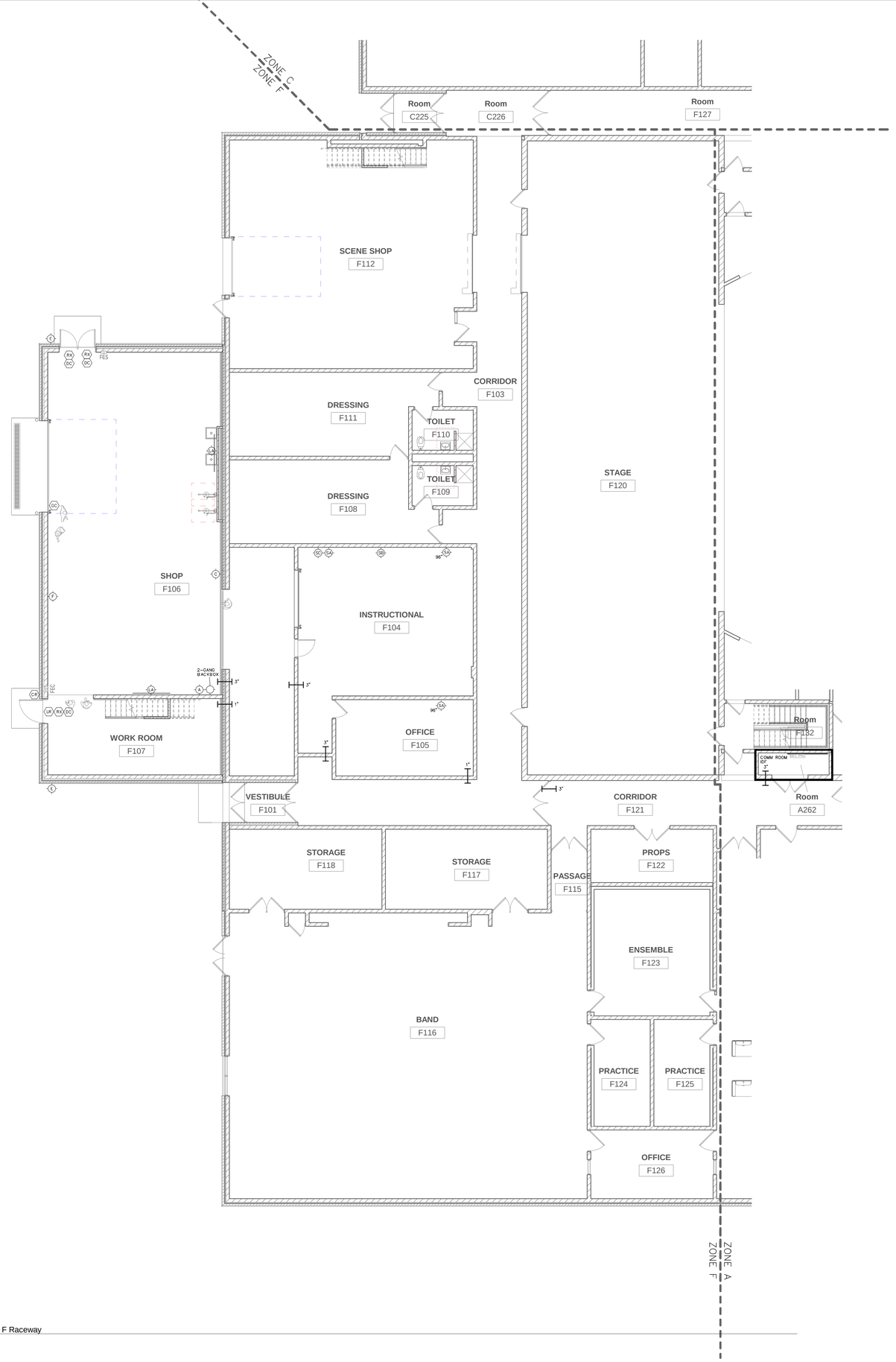
PROJECT NO.

25026G

DRAWING NO.

TR201C

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1 FIRST LEVEL Zone F Raceway
1/8" = 1'-0"

GENERAL RACEWAY NOTES

1. SEE THE SERIES FLOOR PLANS AND DETAILS FOR ALL TECHNOLOGY RACEWAYS.
2. FLOORBOXES ARE SHOWN ON THE ELECTRICAL DRAWINGS. SEE ELECTRICAL DETAILS FOR FLOORBOX TECHNOLOGY RACEWAYS.
3. FINAL COORDINATE HEIGHT OF ALL LCD BACKBOXES WITH THE TECHNOLOGY CONTRACTOR PRIOR TO INSTALL. CONDUCT A SITE WALK THRU AND MARKUP DRAWINGS. PROVIDE TO DESIGNER FOR REVIEW PRIOR TO INSTALLATION OF RACEWAYS.
4. SEE SHEETS TR1XX FOR RACEWAY AND FIRSTOP REQUIREMENTS.
5. SEE ELECTRICAL SPECIFICATIONS FOR RACEWAY TYPE REQUIREMENTS AND INSTALLATION STANDARDS.

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PROJECT TITLE

HIGH SCHOOL ADDITIONS

DRAWING TITLE

FIRST FLOOR ZONE F RACEWAY PLAN

KEY PLAN

ISSUE DATES

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03-09-26	D.R. 1 - CONSTRUCTION DOCUMENTS

DRAWN	BVH
CHECKED	DKH
APPROVED	BWE

PROJECT NO.

25026G

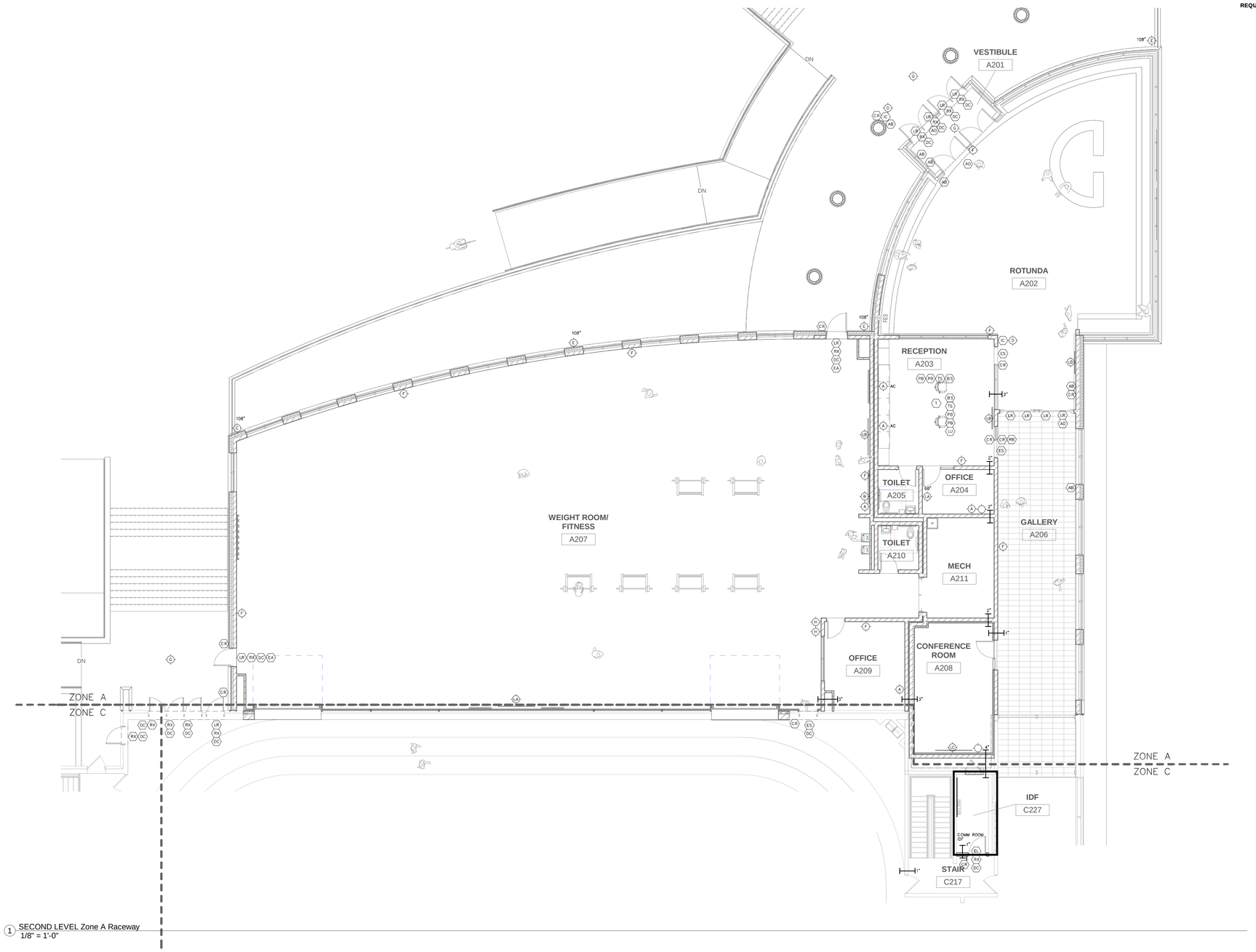
DRAWING NO.

TR201F

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GENERAL RACEWAY NOTES

1. SEE THE SERIES FLOOR PLANS AND DETAILS FOR ALL TECHNOLOGY RACEWAYS.
2. FLOORBOXES ARE SHOWN ON THE ELECTRICAL DRAWINGS. SEE ELECTRICAL DETAILS FOR FLOORBOX TECHNOLOGY RACEWAYS.
3. FINAL COORDINATE HEIGHT OF ALL LCD BACKBOXES WITH THE TECHNOLOGY CONTRACTOR PRIOR TO INSTALL. CONDUCT A SITE WALK THRU AND MARKUP DRAWINGS. PROVIDE TO DESIGNER FOR REVIEW PRIOR TO INSTALLATION OF RACEWAYS.
4. SEE SHEETS TR1XX FOR RACEWAY AND FIRSTOP REQUIREMENTS.
5. SEE ELECTRICAL SPECIFICATIONS FOR RACEWAY TYPE REQUIREMENTS AND INSTALLATION STANDARDS.


VESTIBULE
A201
ROTUNDA
A202
RECEPTION
A203
TOILET
A205
OFFICE
A204
TOILET
A210
MECH
A211
GALLERY
A206
WEIGHT ROOM/
FITNESS
A207
OFFICE
A209
CONFERENCE
ROOM
A208
IDF
C227
COMM ROOM
DF
STAIR
C217
ZONE A
ZONE C
ZONE A
ZONE C
DN
DN
DN
108"
108"
108"