

VAN BUREN CHARTER TOWNSHIP
LAKE HOUSE
6120825-0012082.00

DRAWING INDEX			
AUDIOVISUAL SYSTEMS DRAWINGS		AUDIOVISUAL REFERENCE DRAWINGS	
NUMBER	DESCRIPTION	NUMBER	DESCRIPTION
AVS00	AUDIOVISUAL SYSTEMS COVER SHEET	T001 - T003	TECHNOLOGY INFRASTRUCTURE LEGENDS, NOTES, AND SCHEDULES
AVS01	AUDIOVISUAL SYSTEMS - SY01	T101A - T101B	TECHNOLOGY INFRASTRUCTURE PLANS
AVS02	AUDIOVISUAL SYSTEMS - SY02, SY03	T201A - T201B	TECHNOLOGY INFRASTRUCTURE REFLECTED CEILING PLANS
AVS03	AUDIOVISUAL SYSTEMS - SY04	T301A - T301B	TELECOM PLANS
		T401	TECHNOLOGY INFRASTRUCTURE ENLARGED PLANS
		T501 - T503	AUDIOVISUAL ROOM RISERS
		T701	TECHNOLOGY INFRASTRUCTURE ELEVATIONS
		T801 - T802	TECHNOLOGY INFRASTRUCTURE DETAILS

CONTRACTOR RESPONSIBILITY MATRIX		
ITEM / TASK	FURNISH	INSTALL
CONDUIT, WALL BOXES, CEILING BOXES, FLOOR BOXES, AND OTHER CABLE PATHWAYS REQUIRED TO SUPPORT AV SYSTEMS.	OT	OT
PROJECTION SCREENS - CASE	OT	OT
PROJECTION SCREENS - ROLLER/FABRIC	OT	OT
IN-WALL BLOCKING, CEILING SUPPORT STRUCTURE, AND OTHER STRUCTURAL SUPPORT FOR AV EQUIPMENT.	OT	OT
AV EQUIPMENT	AVC	AVC
AV CABLING AND TERMINATIONS	AVC	AVC
AV CONTROL SYSTEM AND DSP SOFTWARE DEVELOPMENT	AVC	AVC
AV EQUIPMENT CONFIGURATION, TESTING, COMMISSIONING, TRAINING, AND PROJECT ACTIVATION	AVC	AVC
TV DISTRIBUTION INTRA-BUILDING CABLING/DISTRIBUTION	OT	OT
STRUCTURED CABLING (FOR BUILDING NETWORK) AND TERMINATIONS	OT	OT
STRUCTURED CABLING (FOR AV NETWORK) AND TERMINATIONS	AVC	AVC
MOUNTS, EQUIPMENT RACKS, AND INSTALLATION MATERIALS	AVC	AVC
LECTERN / AV OPERATOR CONSOLE CONTAINING AV EQUIPMENT	AVC	AVC
CREDENZA / OTHER FURNITURE CONTAINING AV EQUIPMENT	AVC	AVC
SITE MILL-WORK	OT	OT
CABLE MANAGEMENT AND BOXES FOR AV EQUIPT. IN CONFERENCE TABLES/FURNITURE	AVC	AVC
MODIFICATIONS TO CONFERENCE TABLES/FURNITURE FOR AV EQUIPMENT	OT	OT
COMPUTERS AND OTHER OWNER-FURNISHED EQUIPMENT	O	AVC
RESPONSIBLE PARTIES:		
AVC AUDIOVISUAL CONTRACTOR	O OWNER	
C CONSULTANT	OT OTHER TRADES	
NOTES:		
THIS MATRIX IS PROVIDED AS A CONVENIENCE TO THE CONTRACTOR AND TO DRAW PARTICULAR ATTENTION TO ITEMS THAT REQUIRE SPECIFIC COORDINATION FROM MULTIPLE PARTIES. THIS IS NOT AN ALL-INCLUSIVE LIST. CONTRACTOR SHALL REFERENCE THE AUDIOVISUAL SPECIFICATION FOR COMPLETE REQUIREMENTS. IF THERE ARE ANY DISCREPANCIES BETWEEN THIS AND THE SPECIFICATION, THE CONTRACTOR SHALL NOTIFY THE CONSULTANT FOR CLARIFICATION AND DIRECTION.		

CROSS-REFERENCE LEGEND	
IN DETAIL REFERENCE	CROSS DETAIL REFERENCE
#	REFERENCE NUMBER DETAIL / SHEET NUMBER

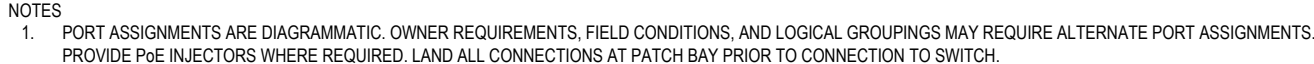
GENERAL NOTES	
1.	THIS DRAWING PACKAGE IS PART OF THE OVERALL BIDDING DOCUMENTATION WHICH INCLUDES, BUT IS NOT LIMITED TO: THE WRITTEN SPECIFICATION DOCUMENT, ALL DRAWINGS, ADDITIONS AND/OR MODIFICATIONS AS DETAILED IN WRITTEN ADDENDA, ADDITIONS AND/OR MODIFICATIONS AS DETAILED IN DRAWING ADDITIONS OR REISSUES. IN THE EVENT THAT THERE ARE CONFLICTS WITHIN THE BIDDING DOCUMENTATION, THE CONTRACTOR SHALL NOTIFY THE CONSULTANT FOR CLARIFICATION AND DIRECTION.
2.	THE PURPOSE OF THESE DRAWINGS IS TO PROVIDE SUFFICIENT DETAIL FOR THE BIDDER TO UNDERSTAND THE FUNCTIONAL REQUIREMENTS OF THE SYSTEMS, THE INSTALLATION AND PERFORMANCE STANDARDS THAT MUST BE MET, AND THE REQUIRED SCOPE OF WORK, IN ORDER TO GENERATE AND SUBMIT A COMPLETE AND ACCURATE BID.
3.	THE CONTRACTOR SHALL REVIEW AND VERIFY ALL CONDUIT, BOXES, AND OTHER CABLING PATHWAYS AS INDICATED IN THE INFRASTRUCTURE REFERENCE DRAWINGS AND PROVIDED BY OTHERS. THIS REVIEW SHALL INCLUDE THE DRAWINGS AS WELL AS AS-BUILT CONDITIONS ON SITE. THE CONTRACTOR SHALL NOTIFY THE CONSULTANT, GENERAL CONTRACTOR, AND ARCHITECT OF ANY DEFICIENCIES, ISSUES, OR INCORRECT INSTALLATIONS ON SITE THAT MAY IMPACT THE INSTALLATION OF THE AUDIOVISUAL SYSTEMS CABLING OR EQUIPMENT AS SPECIFIED. FAILURE TO PERFORM THIS REVIEW WILL RESULT IN A REVISED CABLING APPROACH TO BE DESIGNED, PROPOSED, AND IMPLEMENTED BY THE CONTRACTOR, WITH ANY ADDITIONAL COSTS BORNE BY THE CONTRACTOR.
4.	THE CONTRACTOR SHALL VERIFY DIMENSIONS OF EQUIPMENT, EQUIPMENT ARRANGEMENTS, SPACE AVAILABILITY (INCLUDING ANY MILLWORK OR CABINETRY PROVIDED BY OTHERS) AND PROVIDE SYSTEMS THAT WORK WITHIN THE CONSTRAINTS OF THE SPACE AVAILABLE. THE CONTRACTOR SHALL NOTIFY THE CONSULTANT OF ANY SITUATION WHERE SPACE CONSTRAINTS ARE A PROBLEM, PRIOR TO THE SUBMISSION OF SHOP DRAWINGS OR THE ORDERING OR PURCHASE OF EQUIPMENT. THE CONTRACTOR SHALL BEAR THE EXPENSE OF PROVIDING ALTERNATE EQUIPMENT, WHICH WILL WORK WITHIN THE AVAILABLE SPACE, IF SPACE AVAILABILITY PROBLEMS ARE DISCOVERED AFTER SHOP DRAWINGS ARE SUBMITTED AND APPROVED.
5.	REFER TO WRITTEN SPECIFICATION FOR INFORMATION REGARDING REQUIRED SUBMITTALS.
6.	THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE ACCURACY OF THE SYSTEM DESIGNS DOCUMENTED IN THE DRAWINGS AND SPECIFICATION. ANY ISSUES, DISCREPANCIES, SUBSTITUTIONS, OR EXCEPTIONS TO THE SPECIFICATION BY THE CONTRACTOR SHALL BE COMMUNICATED TO THE CONSULTANT PRIOR TO THE PURCHASE OF ANY EQUIPMENT OR MATERIALS BY WAY OF THE SHOP DRAWINGS SUBMITTAL PROCESS. UPON APPROVAL OF THE CONTRACTOR'S SHOP DRAWING SUBMITTAL BY THE OWNER'S DESIGNATED REPRESENTATIVE, OR IF THE CONTRACTOR FAILS TO SUBMIT SHOP DRAWINGS, THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR SUPPLYING SUCH MATERIALS AND TAKING SUCH ACTIONS AS TO SATISFY THE FULL INTENTIONS OF THE SPECIFICATION WITHOUT CLAIM FOR ADDITIONAL COMPENSATION. THIS SHALL INCLUDE PROVIDING ANY INCIDENTAL EQUIPMENT, INSTALLATION MATERIALS AND LABOR NEEDED IN ORDER TO RESULT IN A COMPLETE AND OPERABLE SYSTEM, EVEN IF SUCH EQUIPMENT, MATERIALS OR LABOR ARE NOT LISTED IN THIS SPECIFICATION. EXCEPTIONS INCLUDE OWNER-REQUESTED CHANGES, UNEXPECTED FIELD ISSUES DUE TO WORK BY OTHER TRADES, OR SCHEDULE CHANGES INITIATED BY OTHERS.
7.	BIDDING EQUIPMENT LISTS ARE PROVIDED TO THE CONTRACTOR FOR USE IN PREPARING THEIR BID RESPONSE. THESE LISTS INCLUDE MAJOR SYSTEM COMPONENTS AND PERIPHERALS BUT SHOULD NOT BE CONSIDERED TO BE ALL INCLUSIVE. THE COMPLETE EQUIPMENT PACKAGE BID RESPONSE WILL TAKE INTO ACCOUNT ALL DRAWINGS, SPECIFICATION, WRITTEN ADDENDA, ANY OR ALL DRAWING ADDITIONS OR REISSUES, AS WELL AS IMPLIED SYSTEM OPERABILITY. THE CONTRACTOR SHALL INCLUDE ANY INCIDENTAL EQUIPMENT NEEDED IN ORDER TO RESULT IN A COMPLETE AND OPERABLE SYSTEM WITHIN THEIR BID RESPONSE.
8.	THE CONTRACTOR SHALL PROVIDE ALL NECESSARY INSTALLATION MATERIALS INCLUDING, BUT NOT LIMITED TO: INSTALLED CABLE, LOOSE CABLE, TERMINATIONS, SIGNAL EXTENDERS, CABLE MANAGEMENT, VOICE/DATA/VIDEO PATCH CORDS, ADAPTERS, I/O PANELS, DEVICE MOUNTS FOR (FLAT PANELS, PROJECTORS, SPEAKERS, CAMERAS, ETC.), CABLE DRESSING, LACING BARS, COPPER BUS BARS, LABELS, RACK SHELVES, RACK MOUNTS, POWER SUPPLIES AND ADAPTERS, POE INJECTORS, POWER STRIPS/DISTRIBUTION AND OTHER MATERIALS AS NEEDED TO INSTALL THE SYSTEMS DEFINED HEREIN.
9.	ITEMS SHOWN AS "OFCI" (OWNER FURNISHED CONTRACTOR INSTALLED) WILL BE FURNISHED BY THE OWNER FOR INSTALLATION BY THE CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR COORDINATING DIRECTLY WITH OWNER.
10.	THE CONTRACTOR SHALL ENSURE THAT ALL EQUIPMENT MOUNTING STYLES AND LOCATIONS COMPLY WITH THE CURRENT ADA STANDARDS FOR ACCESSIBLE DESIGN. IF ANY DEVICE OR LOCATION SPECIFIED HEREIN IS FOUND TO BE IN CONFLICT, THE CONTRACTOR SHALL NOTIFY THE CONSULTANT FOR CLARIFICATION AND DIRECTION.
11.	ALL CABLING INSTALLED BY THE CONTRACTOR TO SUPPORT AV SYSTEMS CONNECTIVITY SHALL MEET THE EQUIPMENT MANUFACTURER'S SPECIFICATIONS FOR CABLE AND CONNECTOR TYPES, INSTALLATION METHODS AND ROUTING, SEPARATION DISTANCE FROM ADJACENT SERVICES, MAXIMUM NUMBER OF DISCONNECT POINTS AND MAXIMUM OVERALL CABLE RUN LENGTHS REQUIRED TO MEET THE DESIGN INTENT AND MANUFACTURER'S PERFORMANCE CRITERIA. THE CABLING SYSTEM SHALL BE TESTED AND VERIFIED.
12.	FIELD VERIFY ALL PROJECTOR LOCATIONS AND RESOLVE ANY OBSTRUCTION CONFLICTS FOR OPTIMAL PERFORMANCE. THE CONTRACTOR SHALL REFERENCE THE INFRASTRUCTURE DRAWINGS FOR SCREEN SIZES AND FIELD VERIFY MEASUREMENTS TO CONFIRM THROW DISTANCES TO DETERMINE THE APPROPRIATE LENS REQUIRED PRIOR TO PROCUREMENT.
13.	APPROVED CABLING, CONNECTORS, PLATES, RACK ACCESSORIES, AND POWER DISTRIBUTION ARE DETAILED WITHIN THE WRITTEN SPECIFICATION.
14.	CABLES SHALL BE DRESSED IN CONVENIENTLY SIZED BUNDLES AND EITHER LACED OR BANDED. LACING OR BANDING SHALL NOT BE SO TIGHT AS TO DEFORM CABLE BUNDLES. HOOK AND LOOP CABLE TIES SHALL BE UTILIZED. PLASTIC ZIP TIES ARE NOT PERMITTED.
15.	ALL CABLING BETWEEN MOBILE EQUIPMENT AND CONNECTION PANELS MUST BE PREFABRICATED, TACTICAL CABLING.
16.	REFER TO WRITTEN SPECIFICATION FOR APPROVED WIRE AND DEVICE LABEL INFORMATION.

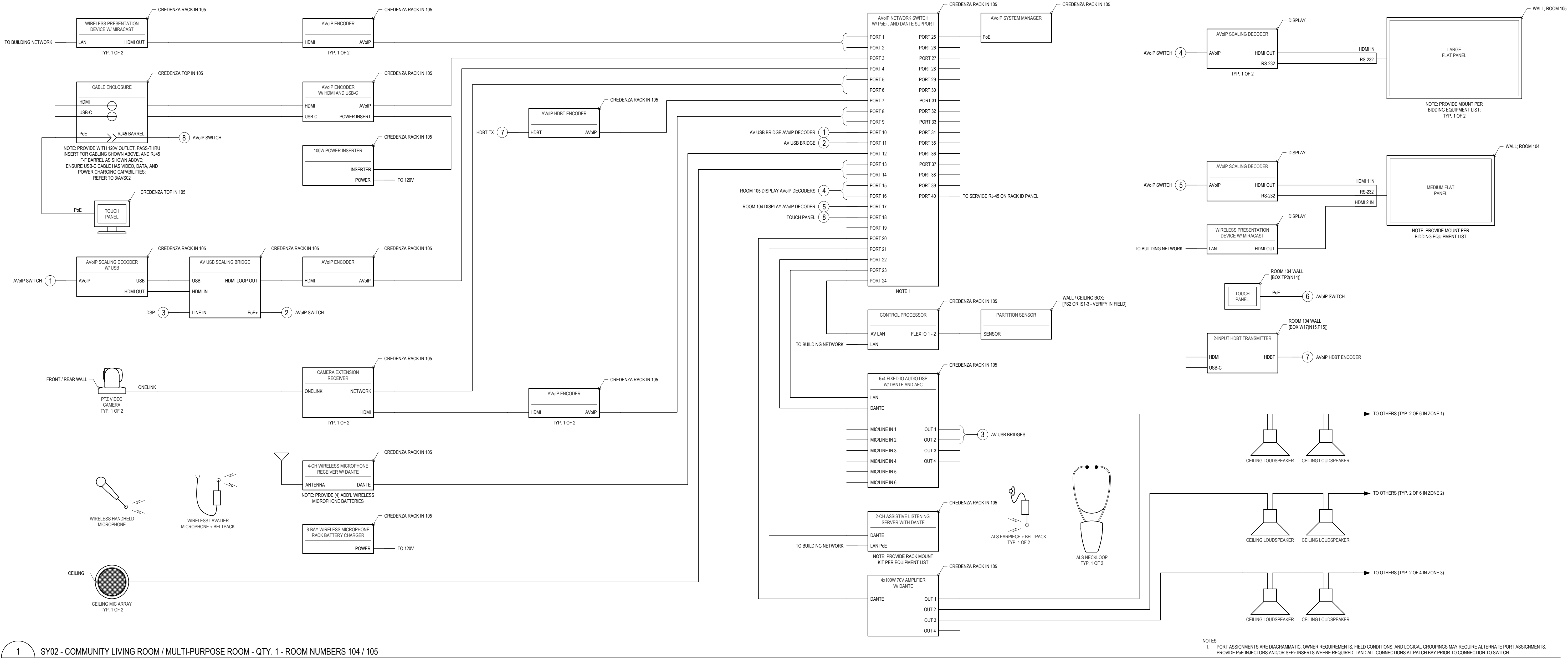
REVISONS	
10/05/2026	BID AND PERMIT SET
Drawn By	JF
Designer	NV5
Reviewer	NV5
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

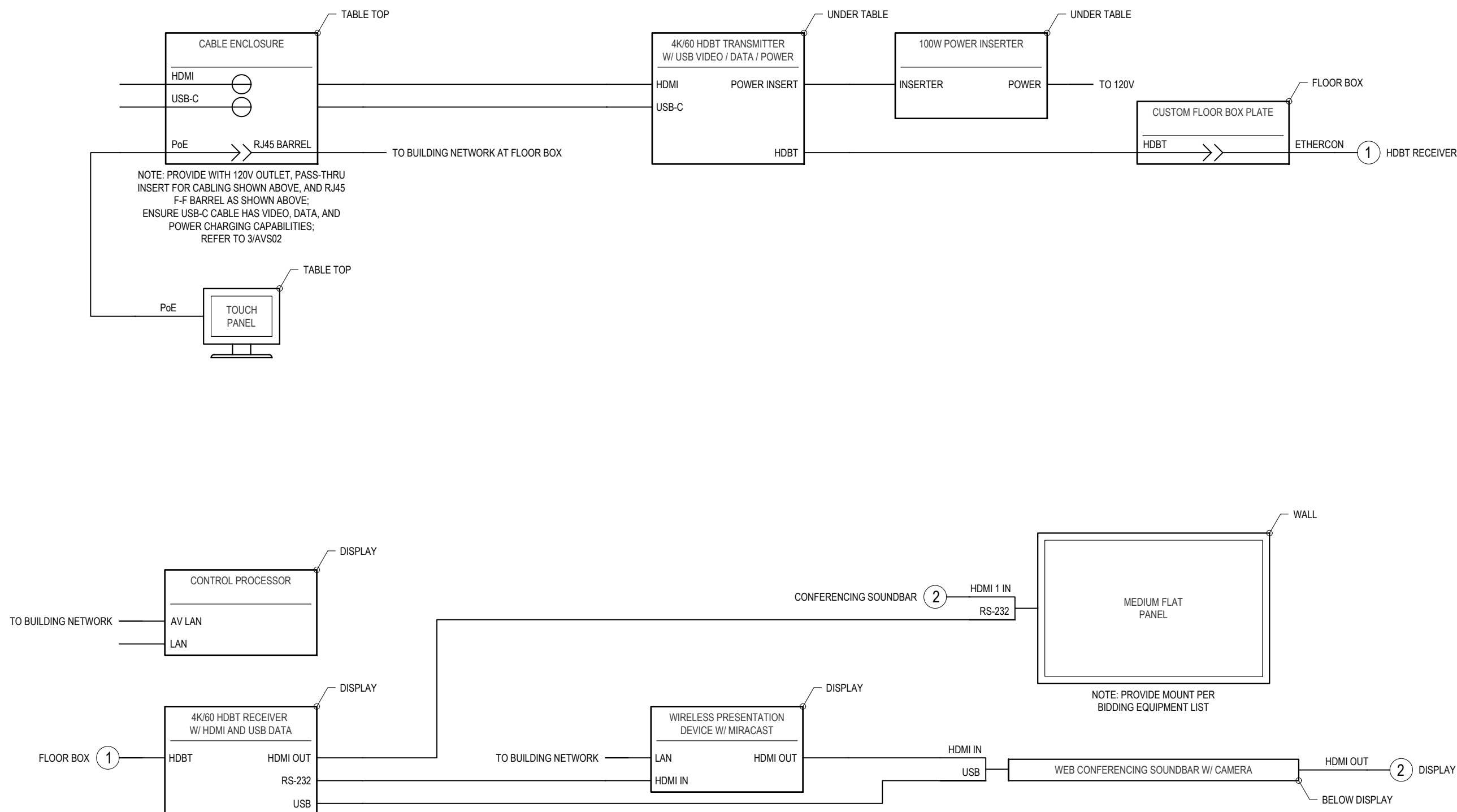
PROJECT NO.
2500281
SHEET NO.

AVS00



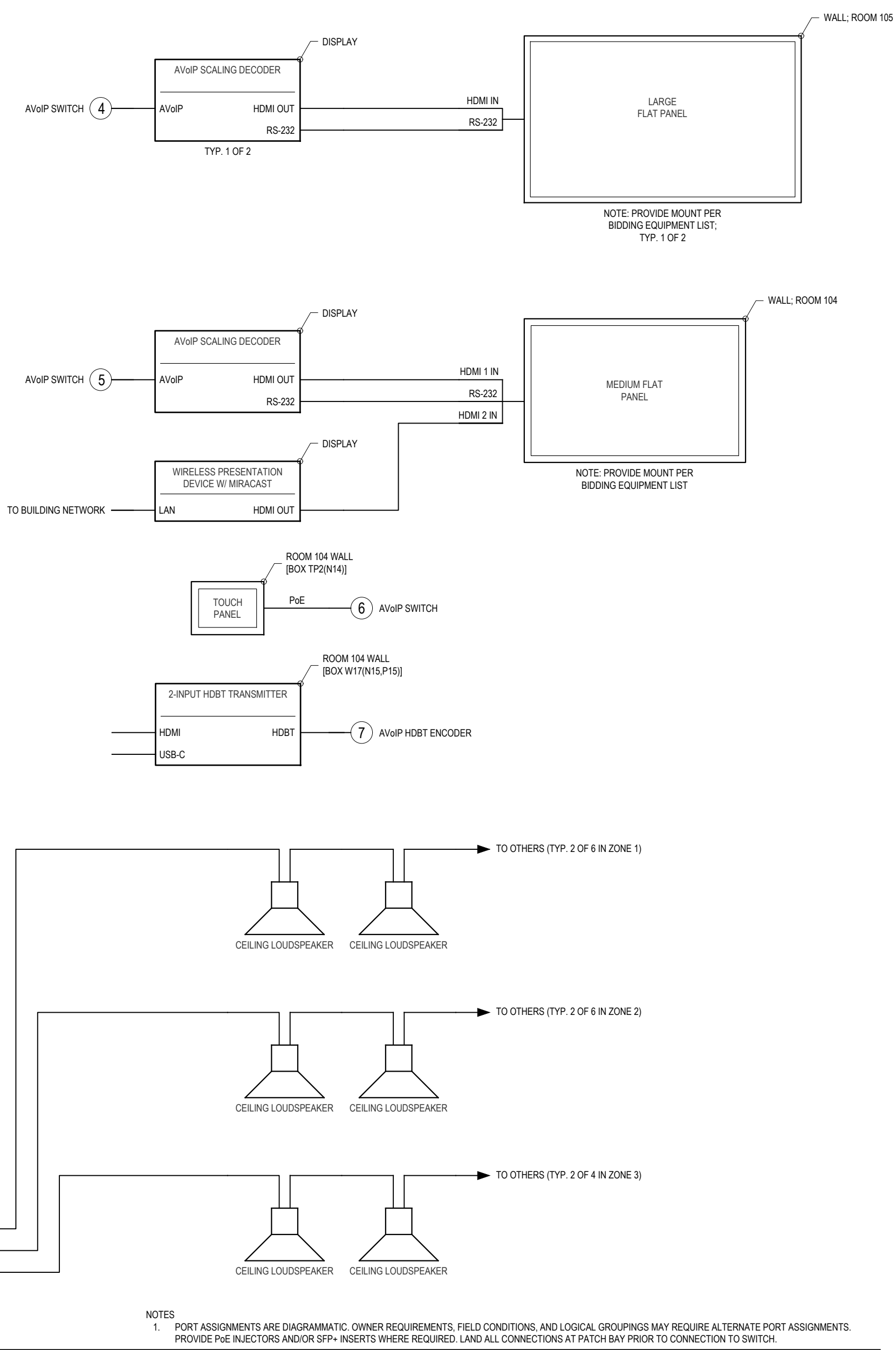


1
AVS02 SY02 - COMMUNITY LIVING ROOM / MULTI-PURPOSE ROOM - QTY. 1 - ROOM NUMBERS 104 / 105
SCALE: NTS



2
AVS02 SY03 - MEETING ROOM - QTY. 1 - ROOM NUMBER 118
SCALE: NTS

3
AVS02 CC01 - CABLE ENCLOSURE LAYOUT
SCALE: NTS



NOTES
1. PORT ASSIGNMENTS ARE DIAGRAMMATIC. OWNER REQUIREMENTS, FIELD CONDITIONS, AND LOGICAL GROUPINGS MAY REQUIRE ALTERNATE PORT ASSIGNMENTS. PROVIDE PUE INJECTORS AND/OR SFP+ INSERTS WHERE REQUIRED. LAND ALL CONNECTIONS AT PATCH BAY PRIOR TO CONNECTION TO SWITCH.

PLOT INFO 9/30/2026 12:48:45 PM

REVISIONS

10/05/2026	BID AND PERMIT SET
Drawn By	JF
Designer	NV5
Reviewer	NV5
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

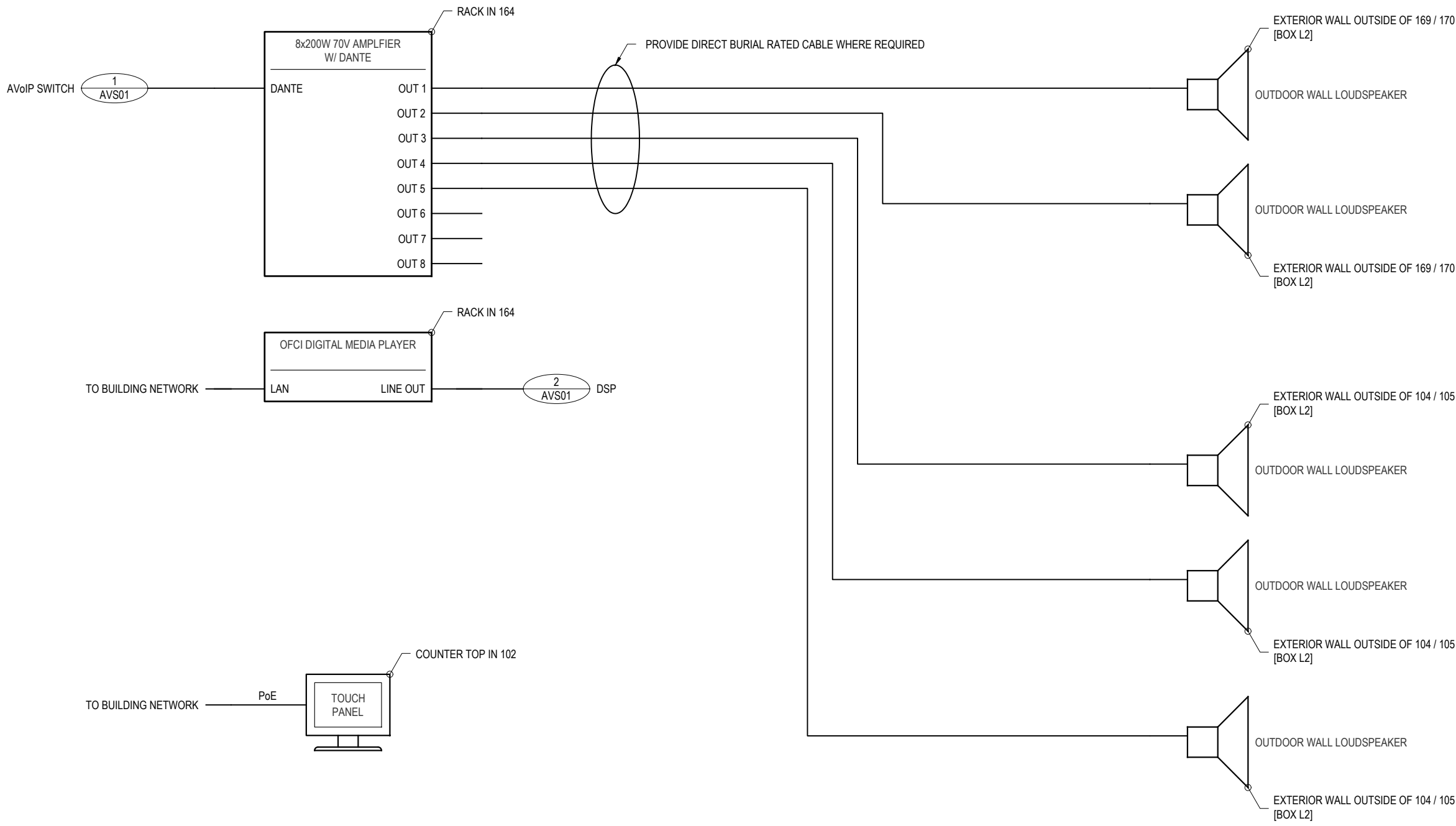
PROJECT NO.
2500281

SHEET NO.

AVS02

1
AVS03

SY04 - OUTDOOR SOUND SYSTEM - QTY. 1
SCALE: NTS



fishbeck

Engineers | Architects | Scientists | Constructors

Van Buren Charter Township

Van Buren Township, MI

The Lakeside Park Project

REVISIONS

10/05/2026	BID AND PERMIT SET
------------	--------------------

Drawn By	JF
Designer	NV5
Reviewer	NV5
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.

2500281

SHEET NO.

AVS03

©Copyright 2026
All Rights Reserved