



AIA[®] Document G710[™] – 2017

Architect's Supplemental Instructions

PROJECT: *(name and address)*
57-21113-00 - Rebid Dutchess Stadium
New Left Field Clubhouse, Seating Bowl,
& Restroom Building

CONTRACT INFORMATION:
Contract For: General Construction

ASI INFORMATION:
ASI Number: 005

Date:

Date: July 14, 2023

OWNER: *(name and address)*
Dutchess County
22 Market Street
Poughkeepsie, NY 12601

ARCHITECT: *(name and address)*
DLR Group Architecture and Engineering,
P.C., a New York professional corporation
33 East 33rd Street, Suite 401
New York, NY 10016

CONTRACTOR: *(name and address)*
Piazza, Inc.
3 W Stevens Avenue
Hawthorne, NY 10532

The Contractor shall carry out the Work in accordance with the following supplemental instructions without change in Contract Sum or Contract Time. Proceeding with the Work in accordance with these instructions indicates your acknowledgment that there will be no change in the Contract Sum or Contract Time.
(Insert a detailed description of the Architect's supplemental instructions and, if applicable, attach or reference specific exhibits.)

Modify the Contract Documents per the attachments and generally as follows:

1. Section 274116 - INTEGRATED AUDIOVISUAL SYSTEMS EQUIPMENT
 - a. Modifications per the attached specification.
2. Sheet G0.01.ii - INDEX OF DRAWINGS
 - a. Modifications per the attached sheet.
3. Sheet A4.1.ii - EXTERIOR ELEVATIONS
 - a. Modifications per the attached sheet.
4. Sheet A5.3.ii - BUILDING SECTIONS – OVERALL
 - a. Modifications per the attached sheet.
5. Sheet A6.2.ii - WALL SECTIONS
 - a. Modifications per the attached sheet.
6. Sheet A8.2.ii - DOOR & FRAME TYPES & SCHEDULES
 - a. Modifications per the attached sheet.
7. Sheet S2.1.ii - FLOOR FRAMING PLAN
 - a. Modifications per the attached sheet.
8. Sheet S2.2.ii - ROOF FRAMING PLAN
 - a. Modifications per the attached sheet.
9. Sheet S3.6.ii - FOUNDATION SECTIONS
 - a. Modifications per the attached sheet.
10. Sheet S4.1.ii - STRUCTURAL SECTIONS
 - a. Modifications per the attached sheet.
11. Sheet S4.2.ii - STRUCTURAL SECTIONS
 - a. Modifications per the attached sheet.
12. Sheet E2.1Aii - POWER PLAN - AREA A - LEVEL 1
 - a. Modifications per the attached sheet.
13. Sheet E3.1Aii - SPECIAL SYSTEMS PLAN - AREA A - LEVEL 1
 - a. Modifications per the attached sheet.
14. Sheet E3.2Aii - SPECIAL SYSTEMS PLAN - AREA A - LEVEL 2
 - a. Modifications per the attached sheet.
15. Sheet TA0.01.ii - AUDIOVISUAL GENERAL NOTES
 - a. Modifications per the attached sheet.

16. Sheet TA2.01A.ii - AUDIOVISUAL RCP, FIRST LEVEL - AREA A
 - a. Modifications per the attached sheet.
17. Sheet TA2.02A.ii - AUDIOVISUAL RCP, SECOND LEVEL - AREA A
 - a. Modifications per the attached sheet.
18. Sheet TA2.11A.ii - AUDIOVISUAL EQUIPMENT RCP, FIRST LEVEL - AREA A
 - a. Modifications per the attached sheet.
19. Sheet TA2.12A.ii - AUDIOVISUAL EQUIPMENT RCP, SECOND LEVEL - AREA A
 - a. Modifications per the attached sheet.
20. Sheet TA4.01.ii - ELEVATIONS, SECTIONS AND 3D VIEWS
 - a. Modifications per the attached sheet.
21. Sheet TA6.01.ii AUDIOVISUAL SYSTEM BLOCK DIAGRAM, CLUB LEVEL OPTION A
 - a. Delete in its entirety.
22. Sheet TA6.04ii - AVR-A, AUDIOVISUAL VIDEO SIGNAL BLOCK DIAGRAM
 - a. Add per the attached sheet.
23. Sheet TA6.03.ii INTEGRATED AUDIO SYSTEM BLOCK DIAGRAM
 - a. Delete in its entirety.
24. Sheet TA6.05ii - AVR-A, SUPPLEMENTAL VIDEO SIGNAL BLOCK DIAGRAM
 - a. Add per the attached sheet.
25. Sheet TA6.06ii - AVR-A, CLUB LEVEL VIDEO SIGNAL BLOCK TERMINALS
 - a. Add per the attached sheet.
26. Sheet TA6.07ii - AVR-A, AUDIO SIGNAL BLOCK DIAGRAM
 - a. Add per the attached sheet.
27. Sheet TA7.01.ii - AUDIOVISUAL SCHEDULES - AREA A
 - a. Modifications per the attached sheet.
28. Sheet TA7.03.ii ALTERNATIVE AUDIOVISUAL SCHEDULE - AREA A, SECOND LEVEL
 - a. Delete in its entirety
29. Sheet TA7.04.ii - AUDIOVISUAL SCHEDULES - AREA A, PICNIC DECK - SECOND LEVEL
 - a. Add per the attached sheet.
30. SUPPLEMENTAL STADIUM SPEAKER INFORMATION

Stadium Speaker Aiming Details for Exterior Second Level
Area A

Item	Speaker Model	Delay	x [ft]	y [ft]	z [ft]	Hor [-]	Ver [-]
LT70-01	CBT 70J	0	1.24	95.51	32	60	-24
LT-70-06	CBT 70J	0	-21.45	56.8	32	60	-24
LT70-11	CBT 70J	0	151.95	187.6	31	0	-24
LT70-19	CBT 70J	0	65.95	187.6	31	0	-24
LT70-18	CBT 70J	0	88.95	187.6	31	0	-24
LT-70-17	CBT 70J	0	109.95	187.6	31	0	-24
LT70-16	CBT 70J	0	130.95	187.6	31	0	-24
LT70-04	CBT 70J	0	41.25	158.85	31	60	-24
LT70-03	CBT 70J	0	26.05	138.52	32	60	-24
LT70-15	CBT 70JE	0	23.02	140.26	29.9	-120	-15
LT70-21	CBT 70JE	0	-1.75	97.3	29.9	-120	-15
LT70-20	CBT 70JE	0	10.85	119.16	29.9	-120	-15
LT70-02	CBT 70J	0	13.88	117.41	32	60	-24
LT45-05	Control 45C/T	7ms	151.84	190.45	28.29	60	-90
LT45-09	Control 45C/T	7ms	123.84	190.45	28.29	60	-90
LT45-24	Control 45C/T	7ms	67.84	190.45	28.29	60	-90
LT45-25	Control 45C/T	7ms	53.85	186.15	28.29	60	-90
LT45-26	Control 45C/T	7ms	47.25	174.85	28.29	60	-90
LT45-28	Control 45C/T	7ms	34	152.2	28.29	60	-90
LT45-27	Control 45C/T	7ms	40.3	162.95	28.29	60	-90
LT45-14	Control 45C/T	7ms	81.84	190.45	28.29	60	-90
LT45-13	Control 45C/T	7ms	95.84	190.45	28.29	60	-90
LT45-10	Control 45C/T	7ms	109.84	190.45	28.29	60	-90
LT45-08	Control 45C/T	7ms	137.84	190.45	28.29	60	-90

Attachment(s):

Revised Section 274116 - INTEGRATED AUDIOVISUAL SYSTEMS EQUIPMENT
Revised Sheet G0.01.ii - INDEX OF DRAWINGS
Revised Sheet A4.1.ii - EXTERIOR ELEVATIONS
Revised Sheet A5.3.ii - BUILDING SECTIONS – OVERALL
Revised Sheet A6.2.ii - WALL SECTIONS
Revised Sheet A8.2.ii - DOOR & FRAME TYPES & SCHEDULES
Revised Sheet S2.1.ii - FLOOR FRAMING PLAN
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Revised Sheet S3.6.ii - FOUNDATION SECTIONS
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Revised Sheet S4.2.ii - STRUCTURAL SECTIONS
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Revised Sheet E3.1Aii - SPECIAL SYSTEMS PLAN - AREA A - LEVEL 1
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Add New Sheet TA6.04ii - AVR-A, AUDIOVISUAL VIDEO SIGNAL BLOCK DIAGRAM
Add New Sheet TA6.05ii - AVR-A, SUPPLEMENTAL VIDEO SIGNAL BLOCK DIAGRAM
Add New Sheet TA6.06ii - AVR-A, CLUB LEVEL VIDEO SIGNAL BLOCK TERMINALS
Add New Sheet TA6.07ii - AVR-A, AUDIO SIGNAL BLOCK DIAGRAM
Revised Sheet TA7.01.ii - AUDIOVISUAL SCHEDULES - AREA A
Add New Sheet TA7.04.ii - AUDIOVISUAL SCHEDULES - AREA A, PICNIC DECK - SECOND LEVEL

ISSUED BY THE ARCHITECT:

DLR Group Architecture and Engineering,
P.C., a New York professional corporation

ARCHITECT (*Firm name*)



SIGNATURE

Bob Carlson, AIA, LEED AP,
Principal

PRINTED NAME AND TITLE

July 14, 2023

DATE

SECTION 274116 – INTEGRATED AUDIOVISUAL SYSTEMS AND EQUIPMENT

PART 1 - GENERAL

1.1 GENERAL NOTES

- A. Audiovisual Systems Designer herein shall be referred to as Designer.

1.2 RELATED DOCUMENTS

- A. Drawings and general provisions of the contract including instructions to Bidders, General and Supplementary Conditions and Division 01 Specifications Sections apply to the work of this Section.
- B. ANSI-Infocomm standards (10:2013) Audiovisual Systems Performance Verification
- C. AVIXA S601.01:201X Energy Management for Audiovisual Systems (revises ANSI/INFOCOMM 4:2012)
- D. AVIXA F501.01:2015 (Formerly INFOCOMM F501.01:2015) Cable Labeling for Audiovisual Systems
- E. AVIXA V201.01:201X Projected Image System Contrast Ratio (replaces 3M: 2011)
- F. AVIXA A102.01:2017 (Formerly A103.01:2017 Audio Coverage Uniformity in Listener Area
- G. ANSI/AVIXA D401.01:201X Standard Guide for Audiovisual Systems Design and Coordination Processes (replace 2M: 2010)
- H. AVIXA F502.01:201X Rack Building for Audiovisual Systems
- I. AES 67-2015
- J. 2010 ADA Standards for Accessible Design

1.3 RELATED WORK SPECIFIED ELSEWHERE

- A. Power, and all conduits for both power and low voltage, shall be furnished and installed by Electrical Contractor. All back boxes to be furnished and installed by Electrical Contractor as indicated in the Schedule of Responsibility on drawing TA0.01.ii unless otherwise noted. [\[ASI-05\]](#)

- B. Coordination with the Electrical Contractor is required to assure correct audiovisual conduit routing, audiovisual back box locations, and technical power circuit locations as specified in Division 26 – Electrical.
- C. Requirements and materials that apply to the work of others related to audiovisual systems are listed here to define and establish audiovisual system requirements. Coordinate the work of this section with the work of other sections as required in order to maintain satisfactory progress of the work of other sections. Refer to schedule of responsibility on TA0.01.ii, UON.

1.4 WORK OF THIS SECTION

- A. This section covers all audiovisual (AV) systems as described for Dutchess Stadium New Left Field Clubhouse, Seating Bowl, & Restroom Building, Dutchess County, Fishkill, New York. The objective is to provide professional systems, installed, acceptance tested, and ready to use.
- B. This written specification and the large format TA series drawings shall be collectively referred to herein as the Contract Documents. System features that show up in one part may not be shown in others. In the case of conflict between written specifications and drawings, Contractor must seek written clarification from the Designer. In the event the Contractor fails to obtain such written clarification, the interpretation of the Designer will prevail. Where conflict exists with other specifications concerning such work or materials, this specification takes precedence unless otherwise approved in writing by the owner.
- C. This section includes all labor, materials, equipment, and services necessary to furnish and install the Audiovisual System in Dutchess Stadium as shown on the drawings, including but not limited to the following:
 - 1. System components
 - 2. Telephone Integration
 - 3. Hearing Impaired ADA Compliant.

1.5 PROJECT CONDITIONS

- A. All dimensions and equipment locations shall be verified in the field prior to fabrication by the Audiovisual Contractor, who shall make at least one (1) visit to the job site prior to preparation of shop drawings.
- B. Coordinate conduit placement, routing, and separation with the Electrical Contractor to ensure proper installation.
- C. No claims for additional compensation shall be allowed due to the Audiovisual Contractor's misunderstanding of the work involved or lack of a thorough investigation of the job site.

1.6 CONTRACTOR RESPONSIBILITY

- A. It shall be the responsibility of the Audiovisual Contractor to furnish and install equipment complete in all respects and to furnish and install any additional equipment required to fulfill the intent of the Contract Documents regardless of whether or not such items are herein specified or indicated without claim for additional payment or costs.
- B. The work specified herein shall be accomplished by a single Audiovisual Contractor who has complete responsibility for the systems described. The Audiovisual Contractor is required to have five (5) years' experience with systems of similar size and scope.
- C. The Audiovisual Contractor shall be responsible for coordinating with other trades a complete and suitable installation of electrical isolation equipment to meet the intent of this specification.
- D. No electrical equipment (except approved equipment) shall be located within the Acoustically Sensitive Spaces or installed on walls common to Acoustically Sensitive Spaces (Refer to Part 1 Paragraph 10). The Audiovisual Contractor shall report all discrepancies between this requirement and the Contract Documents to the Designer and Electrical Engineer prior to installation of such equipment.

1.7 FUNCTIONAL REQUIREMENTS:

- A. Assistive Listening System (ALS)
 - 1. Transmits an audio feed to receivers used by the hearing impaired. To comply with ADA standards; a quantity of hearing assistance receivers and a hearing assistance transmitter must be provided for a quantity of patrons based on the seated capacity of the space.
 - 2. Add-Alternate: Assistive Listening System over Wi-Fi in addition to ALS required system
 - 3. A Server installed in an IT closet to tie into select audio systems. The server leverages building Wi-Fi system enabling up to fifteen different presentation spaces with the ability for a participant to use their own listening device. This shall be an additional feature to the Assistive Listening Systems (ALS) programs as required by ADA outlined under basis of design for each space type and not an ALS replacement. Coordinate with Dutchess IT staff for configuration of the system and integration with new and/or existing audio system(s).
- B. Area A Base Bid Club Conference Center to tie into stadium sound system via Dante Sound System with 4K Flat Screen Displays (FSD) on the Second Floor Club Level. Wireless lavalier and handheld microphones shall be provided.
 - ~~1. Option A is tied into the stadium sound system for Area A with Rack AVR-A on first floor. [ASI-05]~~
 - 2.1. Option B is a self-contained Audiovisual System for multipurpose use including presentations with the ability to connect to the stadium sound system via a rack in the second-floor storage closet.
 - ~~3. Alternate shall be an open Picnic Deck only with wiring device home runs to AVR-A location. Alternative items shall show Home Run Route as ALT_AVR-A on page~~

~~TA7.03. ii schedule ALTERNATIVE CONDUITS AND WIRING DEVICE SCHEDULE
-AREA A, PICNIC DECK - [ASI-05]~~

- C. All ceiling loudspeakers shall be zoned according to the drawings. Back of house and enclosed facilities with a Flat Screen Display (FSD) shall have the option of choosing which audio can be played independent of the FSD's. i.e., Audio in the Club Area, Picnic Deck, Weight Room and Batting Tunnel shall have the option to play Music, ~~utilizing either CD Player or~~ Music Streaming Services, Game Announcements and in the Club shall have the ability to split off audio from FSD to play on overhead speakers. All Audio and Control Devices shall be White in Color unless otherwise noted.
1. BlueSound Professional with BluOS App shall be made available in the following areas for use with either Apple, Android or Google devices in 4 distinct audio zones:
- a. Batting Tunnel
 - b. Weight Room
 - c. Back of House Areas first floor
 - d. Front of House Areas, second floor
- ~~C.2.~~ Bluetooth connectivity shall be added to the Batting Tunnel and Weight Room [ASI-05]
- D. Video Distribution shall be housed in the Audiovisual Rack for Area A. A series of custom patch panel(s) shall allow for both RG6 as well as Category Cabling to each FSD location. End point FSD with Tuner shall be Owner Furnished Contractor Installed.
- E. All flat screen displays shall be Owner Furnished, Contractor Installed as outlined in the Equipment List Appendix. This section shall outline the space requirements for each space type. All video encoders, decoders, transmitters, and receivers shall be compatible with 4K signals. The system shall be capable of scaling video signals to the highest resolution available at owner furnished display devices.
- F. Requirements for the installation and configuration of AV equipment, per space
1. Conference/Banquet Space (Club A203)
 - a. Video displays are distributed within the space to engage, to entertain, and to inform visitors, as well as serve direct presentation need for events. These displays are placed in locations for subtle, yet maximum impact to patrons welcoming them. Enabling Patrons to enjoy all the action on the field while enjoying the clubhouse environment. A networked digital signage player is provided for each display for centralized content deployment as designated by Design Partners.
 - b. A distributed ceiling loudspeaker system will support audio playback for field events and background music. Hardwired microphone connections and wireless microphones shall be supplied for the room when it is used as a conference space.
 - c. System functions and components include:
 - 1) Large Wall Mounted OFCI Flat Screen Display
 - 2) Wireless AV Connectivity to Display
 - 3) Small wall button control panel with power, source, and level controls
 - 4) Integrated audio system capable of receiving audio from the field
 - 5) Voice Lift

- 6) Assisted Listening in Compliance with ADA occupancy requirements
 - 7) NOTE: There are three different Equipment packages for CLUB A203 space outlined in the Appendix OPTION A, OPTION B with Presentation Capabilities, and ALTERNATIVE FOR CLUB SPACE.
2. Audio for premium club seating along the outfield wall
 - a. Speakers shall be installed on light poles where deck is located and mounted to the building unless otherwise noted. These speakers shall be used for background audio and microphone audio from existing Press box.
 - b. Speakers shall be from the same manufacturer as the existing seating bowl and work as one system.
 - c. Zoned Distributed Audio System
 3. Video Suite and Hawkeye
 - a. Four Video Workstations with wall mounted displays at each station, with the ability to route video to larger display if working with more than one player. Cable tray overhead from Video Suite to Hawkeye.
 - b. Hawkeye to have Conduit to Administration Building, Press Box, the Stands in Left Field and Right Field (Adjacent IDF closets of each area).
 - c. Overhead Audio option to play audio from existing stadium sound system.
 - d. Assistive Listening System in Compliance with ADA occupancy requirements.
 4. Weight Room
 - a. Force Plate with a shelf/laptop for Coach location
 - b. Shall have (2) FSD equipment mounted on walls and (1) ceiling mounted
 - c. Shall have ceiling speakers to play music or combine with existing Facility sound system, and / or FSDs
 5. Batting Tunnels
 - a. Camera Infrastructure – Team to supply cameras, Coordinate with Owner
 - b. Fiber Network Infrastructure
 - c. Tracking system will hang over home plate.
 - d. 3 cameras per tunnel with OFCI large monitor. Camera behind home plate and on each side of home plate. (Provide 1 mound with a camera, lined up with rubber and directly behind the rubber, and overhead the rubber.)
 - e. Provide Waterproof cabinet with video monitor workstation adjacent to the mound in the Bullpen {Same locations as shown in interior batting tunnel. (except to the sides of home plate)}.

1.8 SCOPE OF WORK

- A. The Audiovisual Contractor shall furnish and install Infrastructure and Major Equipment for system including but not limited to wire, cable, equipment racks, wiring devices, and listed Major Equipment. Infrastructure, Major Equipment, and installation of Infrastructure and Major Equipment shall be bid as one portion of the project.
- B. Furnish shop drawings and receive approval, prior to fabrication and installation.
- C. Furnish all materials and labor and any engineering services to supply a complete and professionally installed system in working order as described herein. Labor furnished shall be specialized and experienced in audiovisual system installation.
- D. Furnish and install all wire and cable called out in the Contract Documents.
- E. Coordinate all back-box locations with the Electrical Contractor and appropriate general trades.
- F. Furnish any additional items, not specifically mentioned herein, to meet system requirements as specified, without claim for additional payment. Such items may include but are not limited to hardware, transformers, line/distribution amplifiers and other devices for proper installation, interface, isolation, or gain structure.
- G. Perform initial adjustments and verification tests. Submit verification test report to the Designer five days prior to commissioning.
- H. Participate in acceptance testing and perform final adjustments utilizing Audiovisual contractor furnished test equipment and project engineers.
- I. Furnish and participate in user training.
- J. Furnish system documentation including copies of all relevant drawings and equipment manuals in compliance with the Contract Documents.
- K. Furnish maintenance services for the specified period from the date of acceptance.
- L. Guarantee all new equipment, software, hardware, components, and workmanship for the specified period from the date of acceptance.

1.9 SUBMITTALS

- A. Pre-bid Submittals:
 - 1. Contractors must pre-qualify in order to bid on this project. Contractors must provide proof of the following qualifications and certifications and evidence of experience in similar audio and/or video installations. Submit listed qualifications to Designer for review ten (10) days prior to submission of a bid. Late submittal will result in exclusion from bid.
 - a. Credential for project manager, project engineer, and lead installer which must include EST, and/or CTS-I certifications.

- b. Proof of the AV Contractor's membership in NSCA or AVIXA (Audiovisual and Integrated Experience Association). Indicate if the contractor holds current APEX certification.
- c. Proof that the AV Contractor has been continuously engaged in the installation and service of AV equipment for at least the past five (5) years in systems of similar size, scope, and project type.
- d. Proof that the AV Contractor holds current certifications necessary to perform Graphic User Interface Programming, Dante, and System Configuration.

B. Bid Submittals:

1. Contractors shall examine all drawings and read all divisions of this specification in order to avoid omissions and duplications and to ensure a complete job. No allowances shall be made for failure to read and understand the Contract Documents. Discrepancies between drawings and the specifications or obvious omissions shall be referred to the Designer prior to the bid date. Where discrepancies occur and pre-bid instructions have not been obtained, the Contractor agrees to abide by the Designer's decisions.
2. Bid proposals shall include all work and all equipment as specified, as well as any additional equipment and materials not listed here, to be used in assembling the system to fulfill the design intent.
3. The Audiovisual Contractor shall furnish line-item pricing for each space with Infrastructure and Major Equipment List written in this specification.
4. The bid submittal shall include the following:
 - a. Infrastructure and Major Equipment List and installation bid.
 - b. Major Equipment List line-item pricing by each space type and option / alternative.
 - 1) Installation costs for General Equipment including hardware and labor shall be furnished.
 - 2) Pricing shall include in-bound freight, shipping, and all delivery charges.

C. Shop Drawings Submittals:

1. Within thirty (30) days of contract award, submit four (4) copies of detailed shop drawings to the Designer for approval. All shop drawings shall be marked with the related drawing number when submitted.
2. System installation and fabrication shall not begin without written approval from the Designer.
3. Review of shop drawings shall not constitute final approval of system function. Said review does not in any way relieve the Contractor from the responsibility of furnishing material or performing work as required by the Contract Documents.
4. Failure of the Contractor to submit shop drawings in ample time for the evaluation shall not entitle the contractor to an extension of contract time, and no claim for extension by reason of such default will be allowed.
5. At a minimum, shop drawings shall include:
 - a. Table of Contents
 - b. Itemized list of all equipment and materials to be used in assembling the system.
 - c. Catalog cut sheet or data sheet for each listed item.
 - d. One-line Signal Flow diagrams for all sound reinforcement systems, visual systems, and auxiliary systems showing point to point wiring interconnections of all

equipment with wire run numbers and patch bay designations. Show all transformers, switches, relays, control circuits, and modifications to equipment. Show all equipment items which are required for realization of the functions described herein.

- e. Complete lists of all wire run numbers along with the termination location of each end of each wire run.
 - f. Schematic diagrams for any custom circuitry and all typical connections between audio lines, patch bays, visual system lines and rack mounted equipment.
 - g. Drawings of all items which are to be custom fabricated or modified. Drawing shall be in scale suitable for fabrication. They shall show materials, finishes, hardware, back boxes, connectors, and panel/control markings. Submit samples of lettering/label size and typeface to be employed on custom plates, panels, and other equipment.
 - h. Submit samples of custom work, finishes, or other materials as required by the Designer to verify appearance and quality. All costs for shipping samples shall be the responsibility of the Contractor.
 - i. Full size drawings illustrating the physical layout and labeling of patch bays.
 - j. Mechanical drawings of all assemblies, major and sub-assemblies, racks, cabinets, and enclosures, indicating provisions for proper cable management, power management, and thermal management.
 - k. Mechanical drawings showing all proposed mounting details of all major equipment (e.g., loudspeakers, cameras, projectors, video displays, projection screens), and associated rigging and interface with adjacent architecture.
 - l. Vibration and noise control information shall be included and coordinated with the Electrical Contractor.
 - m. Conduit Routing Plan, to be coordinated with electrical contractor prior to cable pull.
 - n. Cabling schedule providing information as detailed in AVIXA (formerly known as Infocomm) Standard F501.01:2015 to be coordinated with the Designer and Owner prior to cable pull and termination.
6. The above listed drawings shall be produced on AutoCAD 2018 min. or similar computer drafting program. Scans or photocopies of the Contract Documents are not acceptable.
 7. The use of electronic files from other sources (e.g., Architect's backgrounds, Architect's drawings, vendor-supplied panel drawings) shall not absolve the Contractor of the responsibility for ensuring that the Shop Drawings represent a completely engineered coordinated system. The Contractor has final responsibility for providing systems that conform to all requirements in the Contract Documents.
 8. The Contractor shall review Electrical Contractor shop drawings for all vibration and noise control equipment and systems information.
 9. Proposed Touch Panel Graphical User Interface (GUI) layouts shall be submitted for approval prior to the commencement of control system programming.

D. Substitutions:

1. Substitutions shall be submitted as per the General Conditions of the Contract Documents.

2. The proposed substitutes must be equivalent or superior to the specified products in quality, performance, construction, function, conformance to system objectives and not affect system functionality, signal type, distribution, and features.
3. All substitutions must receive the express written consent of the Designer and Owner.
4. The Designer reserves the right to substitute new products which become available subsequent to the issuance of the Contract Documents, provided that:
 - a. The contractor has not yet purchased the originally specified equipment.
 - b. The substitute equipment shall not materially increase the Contractor's cost.

1.10 JOB CONDITIONS

- A. Keep the job adequately staffed at all times. Unless illness, loss of personnel, or other circumstances beyond the control of the Contractor intervene, keep the same individual charge throughout.
- B. Cooperate with all appropriate parties to achieve well-coordinated progress with overall construction completion schedule and satisfactory results.
- C. Watch for conflicts with work of other contractors on the job and execute, without fair claim for extra payment, moderate moves or changes as are necessary to accommodate other equipment or to preserve acoustic or visual performance, symmetry, and pleasing appearance.
- D. Immediately report to the Designer any design or installation irregularities, particularly architectural elements that interfere with the intended coverage angles of loudspeakers, camera, or projection equipment, so that appropriate action may be taken.
- E. Perform all cutting, patching, and painting for proper and finished installation of the system and repair any damage caused during installation.
- F. Audiovisual System work areas are to be maintained in a clean and orderly condition. Clean up and dispose of trash from all audiovisual system work areas.

1.11 ACOUSTICALLY SENSITIVE SPACES

- A. The following areas have been designated as Acoustically Sensitive Spaces:
 1. Amplifier Rack Rooms
 2. Electrical Equipment Spaces
 3. Mechanical Equipment Spaces
- B. An acoustically sensitive space is defined as a room or space, which requires special construction consideration to meet room acoustic, acoustic isolation, and noise control or vibration control requirements.

- C. All conduit runs penetrating acoustically sensitive spaces shall have both ends sealed by means of removable closed cell neoprene foam after all cables have been run to prevent sound transmission from adjacent spaces.
- D. All audiovisual wiring devices in acoustically sensitive spaces shall have a gasket sealing the faceplate to the back box to prevent sound transmission from adjacent spaces.

1.12 DELIVERY AND HANDLING

- A. The Audiovisual Contractor shall coordinate delivery and installation of all equipment with the Construction Manager and/or Electrical Contractor.
- B. If required by the Construction Manager or Electrical Contractor, audiovisual equipment shall be delivered in a minimum of three (3) separate shipments that shall include:
 - 1. Shipment #1: All items in which conduit is terminated which includes backboxes, wiring device faceplates with receptacles, projection screen cases, etc.
 - 2. Shipment #2: All items which require structural backing such as rigging components, monitor and projector mounts, etc.
 - 3. Shipment #3: All items that are not required until the building/area of work is secure and ready for electronic equipment. This shall include equipment racks, wiring device face plates, portable equipment, etc.
- C. Audiovisual Contractor shall deliver all material to the job site suitably crated, packed, and protected and bearing the label and the nomenclature of the product(s) found in each carton or crate.

1.13 QUALITY ASSURANCE

- A. Parts listed shall be complete and equipment furnished shall conform to manufacturer's specifications.
- B. All materials shall be new and shall conform to the applicable provisions of Underwriter's Laboratories (ULEQ) and American Standards Association (ASA).
- C. Procure and pay for all permits, licenses, and inspections, and observe any requirements stipulated therein. Conform in all trades with all local regulations and codes.
- D. Comply with federal, state, and local labor regulations and applicable union regulations.
- E. Installation shall conform to the latest federal, state, and local electrical safety codes of authorities having jurisdiction. Where conflict exists, the most stringent code or regulation shall apply.

1.14 GUARANTEE AND SERVICE

- A. The Audiovisual system shall conform to all applicable code requirements and shall be in conformance with industry standards of operation and practice.
- B. All new systems and components shall be guaranteed free of defects in materials and workmanship for a period of one (1) year from the date of acceptance and shall be repaired or replaced within forty-eight (48) hours following report of such defects by the owner.
- C. Installation of relocated existing equipment shall be guaranteed free of defects in materials and workmanship for a period of one (1) year from the date of acceptance and shall be repaired or replaced within forty-eight (48) hours following report of such defects by the owner.
- D. All audiovisual system software updates shall be automatically issued to the Owner free of charge during the warranty period.
- E. The Contractor shall be available on call and on eight (8) hour notice during the first month following acceptance of the system, to assist the Owner's representatives in any problems which may arise during the initial period of operation.
- F. The Contractor shall provide same day response to service requests, via 24/7 phone support.
- G. If during guarantee period any component is out of service for more than seven (7) consecutive days due to unavailability of parts or service, the contractor shall furnish and install identical new component. If an identical component is not available, the contractor will substitute equivalent equipment with written approval of the owner.
- H. During the course of the guarantee period, the Contractor shall provide a minimum of three (3) service visits to the site for inspection and adjustment of equipment and programming. Contractor shall submit proposed schedule for these visits and shall notify Owner and Designer in writing at least one (1) month in advance of each visit.

1.15 INSURANCE

- A. All equipment and materials shall be fully insured against loss or damage up until acceptance of the system by the Owner or until the Owner relieves the Contractor in writing of this responsibility, whichever is earlier.

PART 2 - EQUIPMENT

2.1 GENERAL

- A. Whenever any equipment is specified by manufacturer and model number, it is for the purposes of establishing a standard of quality, performance, construction, and function.

- B. All materials and equipment shall be new and of the latest design or model offered for sale by the manufacturer.
- C. Equipment models furnished shall operate at the required AC line voltage (i.e. 120 Volts) and frequency (i.e. 60 Hz) UON
- D. Contractor shall furnish at minimum, quantities as indicated in the Contract Documents as required for complete installation.
- E. Audiovisual Wire and Cable:
 - 1. Approved manufacturers:
 - a. Belden
 - b. Berk-Tek
 - c. Liberty
 - d. LeGrand, North America
 - e. Extron
 - f. West-Penn
 - 2. All wire numbers listed in the Contract Documents are Belden unless otherwise noted.
 - 3. Where required, install plenum rated cable listed and labeled for plenum installation.
- F. Electrical Wire and Cable (including ground conductors)
 - 1. Where conflict exists with any codes or ordinances, such codes and ordinances shall take precedence.
 - 2. Where conflict exists with Electrical Specifications, the higher standard or more stringent requirement shall apply.
- G. Wiring Devices:
 - 1. Specifications – Duplex Receptacles
 - a. Grade: Specification, Hubbel IG5362 or equal
 - b. Type: NEMA 5-20R
 - c. Color: Orange
 - 2. Specifications – Plug Mold
 - a. Grade: Wiremold V/G 2000 Series or equal
 - b. Size: As specified or required.
 - 3. Specifications – Outlet Strips
 - a. Grade: UL Listed, Wiremold or equal.
 - b. Size: As specified or required.
 - 4. Approved Manufacturers:
 - a. Waber
 - b. Wiremold
 - c. Hubbell
 - d. Bryant
 - e. GE
 - f. Leviton
- H. Electrical Plates and Panels:

1. Specifications – Rack mount panels
 - a. Material: 11-gauge steel or 1/8” aluminum, minimum thickness.
 - b. Finish: Black or to match adjacent equipment.
 - c. Size: 19” wide, standard EIA mounting hole spacing, height as specified or required.
 2. Specifications – Back Box Enclosures
 - a. Material: Code grade steel.
 - b. Finish: Black or Galvanized.
 - c. Size: As specified or required.
 3. Specifications – Plug Box and Termination Panels
 - a. Material: 11-gauge steel or 1/8” aluminum, minimum thickness.
 - b. Finish: Black (unless otherwise noted by the Designer).
 4. Any and all recessed face plates shall have a minimum 3/4” reveal beyond the back box to hide the intersection between the wall material and the back box excluding standard decorative plates.
 5. Approved Manufacturers:
 - a. Hoffman
 - b. Whirlwind
 - c. Pro-Co
 - d. Wireworks.
- I. Any equipment to be located outdoors or in damp locations must carry a NEMA 3R rating and be labeled accordingly.
- J. Audio Transformers:
 1. All transformers shall be selected for proper installation and load of the circuits as required by as-built conditions and per manufacturer’s recommendations.
- K. Control System Programming:
 1. All control system programming, installation, testing, and debugging to be performed by a manufacturer certified programmer, supplied either directly by the AV Contractor staff or via a manufacturer authorized and certified independent programmer.
 2. AV Contractor shall furnish complete control system programming, including all source code and on-site coordination, testing, and debugging.
 3. AV Contractor shall furnish all programming of control system equipment including:
 - a. Nightly system shut down.
 - b. Janitorial/Off-hour maintenance control.
 - c. Emergency Life/Safety override.
 - d. Audiovisual source equipment selection (e.g. Audio Source, Video Source, Display Selection)
 - e. Audiovisual source equipment transport control (e.g. play, pause, stop, forward, reverse).
 - f. Master Volume control
 4. Touch Panel interfaces shall have two (2) modes of operation:
 - a. User Mode:
 - 1) Basic controls of all system components
 - 2) Streamlined user interface.

- 3) Room modes available via single button presets
 - b. Tech Mode:
 - 1) Advanced control and configuration of system components.
 - 2) Setup of presets
 5. Touchpanel Capabilities
 - a. Video Mode:
 - 1) Display of a video source through the audiovisual system to the display.
 - 2) Audio from the same video source through the audiovisual system through the system to the loudspeakers.
 - b. Aux Mode:
 - 1) Display of a video source through the system via an auxiliary input.
 - 2) Audio from the same video source through the system via an auxiliary input to the loudspeakers.
 - c. Source Selection Control, which provides the ability to:
 - 1) Select any source equipment to be displayed on any video display in the system and routing audio from that source through the system to the loudspeakers.
 - d. Source Transport Control, which at minimum provides the ability to:
 - 1) Play, pause, stop, forward, reverse and source equipment in the system.
 - e. Master Volume Control of the system.
 6. In rooms where a volume control system connected to a digital signal processor (DSP) exist, the control system shall be programmed such that:
 - a. The appropriate preset on the DSP system and display system shall be selected based on that activity taking place.
 7. Provisions for control via web interface (e.g. Remote APP) shall be included. Coordinate w/ Owner.
 8. Control system programming shall accommodate future addition of touch panels and mobile applications (e.g. Crestron Mobile Pro) for Apple iPhone/iPad and Android devices.
 9. AV Contractor to schedule meeting with owner and Designer to review control system functionality and operational requirements prior to the commencement of work.
- L. Intelligent Building Technology (IBT) Integration:
1. Coordinate with the Building Automation System (BAS) programmer to gather the appropriate protocols, addressing, and systems.
 2. Coordinate with the manufacturer of the IBT system to obtain proper configuration of IBT equipment and components.
 3. Create a dashboard for display of building energy management information including these components at minimum:
- M. Audio DSP System:
1. Audio Inputs
 - a. All system audio inputs shall be programmed with limiters.
 - b. It shall be possible to matrix any input to any output within the system.
 2. Audio Outputs:
 - a. All audio outputs shall be programmed with high pass filters, parametric equalization, delay, and limiters.

- b. It shall be possible to matrix any input to any output within the system.
- 3. Assistive Listening System (ALS):
 - a. ALS shall receive the same signal as being heard via the loudspeakers.
 - b. ALS shall be set up in accordance with ADA requirements.
- N. The DSP software shall be installed as specified in the Major Equipment List.
- O. Equipment furnished shall be that specified herein.
- P. Detailed performance specifications shall be those published by the manufacture effective on the date of this document for all equipment specified herein.
- Q. The AV Contractor shall verify all projection screen dimensions, surface type, and frame style with the Contract Documents and submit the information with the required shop drawings for approval by the Designer prior to ordering any material. Failure to coordinate screen information shall not result in additional costs to the Owner.
- R. The AV Contractor shall verify all projector lenses for appropriate focal length and intended image size with the Contract Documents, based on field measurements of actual throw distance. Failure to coordinate lens information shall not result in additional costs to the Owner.
- S. All miscellaneous materials including brackets, pole extensions, mounting hardware, electrical connectors, and other items to properly install the equipment specified shall be included as part of this project whether it is listed or not.
- T. Existing structural mounting to be reused as conditions permit.
- U. If required, Cost Reduction and/or Value Engineering shall be conducted by the Designer and Owner based on final bid amounts.

2.2 MAJOR EQUIPMENT

- A. Major Equipment List:
 - 1. The major equipment list itemizes system components and their quantities to provide the systems as shown in the contract documents. It is the responsibility of the contractor to provide any additional accessories, patch cabling, interfaces, and other miscellaneous equipment not described herein to provide a working system as called out in the functional requirements section of this specification (1.8), unless otherwise noted as owner furnished or future equipment. For items not given specific quantities in these documents, it is the responsibility of the contractor to verify those quantities with the owner and Designer prior to system installation.
 - 2. See Equipment Appendix at the End of Specification 274116
 - 3. Selected Vendor shall be required to coordinate with Owner's IT Department prior to purchasing equipment connected to the Owner's IT Infrastructure.

PART 3 - EXECUTION

3.1 INSTALLATION OF SYSTEMS

- A. Locate all apparatus requiring adjustments, cleaning, or similar attention so that it will be accessible for such attention. Equipment racks shall be positioned to permit full access for operation and service.
- B. Furnish and install brackets, braces, and supports. Minimum fastening or support safety factor shall be at least five (5). Design shall be approved by the Designer.
- C. All supporting structures supplied by the Contractor not having standard factory paint finish shall be painted. Paint specifications shall be supplied by the architect or indicated herein.
- D. Provide custom color or finish for any equipment or materials supplied which are exposed to public view. Color and finish of all such equipment or materials shall be approved in writing by the Designer. This does not exclude equipment or materials where standard colors or finishes may be specified herein.
- E. Finish of blank panels and custom assembly panels shall match adjacent equipment panels.
- F. Switches, connectors, jacks, receptacles, outlets, cables, and cable terminations shall be logically and permanently marked. Custom panel nomenclature shall be engraved, etched, or screened. Markings for these items are detailed in the contract documents to ensure consistency and clarity. Verify any changes in working type size and/or placement with the Designer prior to marking.
- G. The equipment specified herein is designed to operate in environments of normal humidity, dust, and temperature. Protect equipment and related wiring where extreme environmental conditions can occur.
- H. Coordinate with millwork fabricator for installation of audiovisual equipment into credenzas, lecterns, etcetera.
- I. Review and coordinate Graphic User Interface Control System appearance and functionality:
 - 1. QSC Q-Sys Certified
 - 2. AMX AV Control System: AV Control system shall be installed, configured, and tested by an ACE-P certified technician and/or engineer, in accordance with the guidelines set forth in the AMX Solutions Master program. The Resource Management Suite shall be installed, configured and tested by an ACE-RMS certified technician and/or engineer, in accordance with the guidelines set forth in the AMX Solutions Master program.

3.2 CONDUIT

- A. Review and coordinate audio installation with the Electrical Contractor to ensure proper operation of the audio system.

- B. All wiring shall be in conduit unless authorized by the Designer, approved by the Designer in writing, and permitted by code. Exceptions are short runs at equipment terminations where there is no means of connecting conduit to the equipment.
- C. Where installed exposed, conduits shall be parallel with or at right angles to walls or ceiling and /or follow surface contours and shall be supported from walls or ceilings by means of approved clamps or hangers. Conduit connections to equipment racks shall be insulated.
- D. Minimum size conduit shall be trade size $\frac{3}{4}$ ". All conduits shall be sized for maximum 40% fill or less if required by code.
- E. Conduits carrying high voltage or high amperage wiring serving equipment subject to abrupt start-up and possible slapping of wiring within conduit shall not pass through Acoustically Sensitive Spaces.
- F. Conduits connected to dimmer racks or to transformers shall not pass directly into Acoustically Sensitive Spaces. Conduits connected to dimmer racks or transformers shall not penetrate walls, floors, or slabs of Acoustically Sensitive Spaces within thirty (30) feet of those equipment room walls or slabs. All penetrations in the path of conduits within thirty (30) feet of electrical rooms containing dimmer racks or transformers shall be resilient penetrations.
- G. Large numbers of conduits penetrating walls of Acoustically Sensitive Spaces shall be individually sleeved and shall pass through walls, floors, slabs, and ceilings perpendicularly.
- H. Conduits shall not be installed to connect or contact rigidly other non-electrical equipment or building systems which are vibration isolated.
- I. Coordinate all conduit sizes, locations, and quantities with the Electrical Contractor to provide proper routing, signal separation, and wire group type. Failure to do so shall not allow for additional compensation. Provide a conduit routing plan for approval by the Designer prior to installation. Routing plan shall include intended sizes, separation, and cable fill chart.
- J. Existing conduit and cabling infrastructure to be reused is to be done so to the maximum extent possible without compromising audiovisual system performance.

3.3 RESILIENT PENETRATIONS OF WALLS AND SLABS

- A. All conduit and cable penetrations shall be sleeved, packed, and caulked airtight to form a resilient penetration at the following locations:
 - 1. Mechanical Equipment Rooms
 - 2. Electrical and Dimmer Equipment Rooms
 - 3. Acoustically Sensitive Spaces
 - 4. Rooms with Acoustically Isolated Construction.

- B. Openings shall be oversized and sleeved to provide an inner diameter of one (1) to two (2) inches greater than the outside diameter of the duct or pipe. The conduit shall be centered in the opening and shall not rigidly contact the wall, floor, or ceiling. The resulting gap shall be packed with glass fiber packing material and foam rod. The gap shall be caulked to an airtight seal using permanently flexible acoustical sealant.
- C. Acoustical sleeves may be used in lieu of resilient penetrations described above. Multiple conduit penetrations may be constructed following the detail for multiple penetrations identified in the Contract Documents.

3.4 ELECTRICAL POWER

- A. Review and coordinate electrical power system installation including grounding with the Electrical Contractor to ensure proper operation of the audiovisual system.
- B. Verify that All AC power circuits designated for audio equipment are wired with the correct polarity and ground. Report in writing any discrepancies found to the Designer for corrective action.
 - 1. Provide distribution of electrical power within the equipment racks with a minimum of one space AC receptacle for each four (4) in use per branch circuit.
 - 2. The Electrical Contractor shall ensure that all audio grounding does not intersect with any building ground except at earth.

3.5 STEEL SUPPORTS

- A. Fabricate and install any supports so that the installation does not weaken or overload the building structure. Do not impose the weight of equipment or fixtures on supports provided for other trades or systems. No drilling or cutting of concrete beams, joists, or structural steel, nor welding to structural steel, shall be permitted except as authorized in writing by the Designer.

3.6 SEISMIC RESTRAINTS

- A. All hanging or free-standing equipment and cabinets furnished, including but not limited to racks, loudspeakers, projection screens, and mounts shall be secured to substantial building structures. The equipment described herein shall resist seismic acceleration in any direction up to a limit of the greater of 1.0G or the limit prescribed by the local governing codes.
- B. Loudspeaker hanging details, rack bracing, and other seismic restraints may not be shown on the Contract Documents. The Contractor is responsible for development of these drawings to be submitted and approved by the Structural Engineer.

3.7 BOXES

- A. With the exception of portable equipment, all boxes, conduits, cabinets, equipment, and wiring shall be held in place and the mounting shall be plumb and square.
- B. All boxes shall be securely mounted to building structure. All boxes shall be installed so that wiring contained in them is accessible. Install blanking devices or threaded plugs in all unused holes.
- C. Wiring groups and circuits shall be isolated as indicated herein. Common pull or junction boxes are not permitted except as authorized in writing by the Designer.
- D. Clean all box interiors prior to installing plates, panels, or covers.

3.8 WIRING METHODS AND PRACTICES

- A. Furnish and install all audiovisual wire and cable ensuring proper pulling tension, bend radius, quantities, types, lengths, routing, wire group separation, and identification.
- B. Spare wire runs of each group and type shall be pulled to each termination location. The number of spares shall be ten (10) percent of those in actual use or one, whichever is greater
- C. Splicing of cables is not permitted between terminations of specified equipment.
- D. Do not pull wire or cable through any box fitting or enclosures where change of raceway alignment or direction occurs; do not bend conductors to less than recommended radius. Employ temporary guides, sheaves, and rollers to protect cables from excess tension, abrasion, or damaging bending during installation.
- E. Use wire pulling lubricants and pulling tensions in accordance with the wire and cable manufacturer's recommendations.
- F. All wires shall be permanently identified at each wire end by marking with adhesive on crimp-on markers and a chart kept of each wire's function. This applies to wire within a rack assembly as well as wire running in conduit.
- G. Wire ends shall be wrapped with appropriate heat shrink tubing. Each shield or drain wire shall be covered with heat shrink to avoid unintentional connections.
- H. Use ring or tongue lugs on all barrier strip terminals. Do not exceed two (2) lugs per terminal. Use crimping tools that are designed for the application or solder. Do not cut strands from conductors to fit lug terminals. Spare terminal blocks, equivalent to ten percent (10%) of those in actual use shall be furnished.

- I. Form in an orderly manner all conductors in enclosures and boxes, wire ways, and wiring troughs, furnishing circuit and conductor identification. Tie using tie wraps of appropriate size and type. Limit spacing between ties to twelve (12) inches and furnish and install circuit and conductor identification at least once in each enclosure.
- J. When the audiovisual cables are pulled, leave a five-foot (5') tail at each end to all field locations and a fifteen-foot (15') tail at all equipment rack locations. Temporary labels shall be applied at both ends of each cable. Permanent labels shall be applied when the cables are cut back and terminated.
- K. All labeling of audiovisual cables shall comply with AVIXA F501.01:2015 (Formerly INFOCOMM F501.01:2015) Cable Labeling for Audiovisual Systems Standard.
- L. . The numbering system used in compliance with this standard shall be verified with the owner prior to implementation. A schedule of all cabling and its labels shall be provided to the owner and Designer for review prior to pulling and termination of cables.

3.9 GROUNDING

- A. Audiovisual system wiring shall conform to the following procedures:
 - 1. Audio equipment AC ground pins shall connect to AC ground.
 - 2. Audio equipment chassis shall connect to rack frames.
 - 3. Audio rack frames shall connect to AC ground bus in panel board by means of #2-gauge (minimum) conductor
 - 4. Audio shields between AC powered pieces of equipment shall be connected to ground at one end only. Terminate capacitance as required.
 - 5. Audio signal paths between AC powered pieces of equipment shall be connected using balanced lines and/or transformer isolation as required.
 - 6. No unbalanced signal paths may be connected to patch bays.
 - 7. Isolate all audiovisual system wiring from racks, back boxes, and conduit.
 - 8. Isolate all audiovisual system racks from conduit and other conductive surfaces. Use insulated bushings for conduit connections and a dielectric plinth between racks and conductive flooring.
 - 9. AC isolated ground system shall be isolated from all other facility grounds.
- B. All metallic conduit, boxes, and enclosures shall be grounded in accordance with the current National Electric Code (NEC).
- C. Metallic enclosures containing active equipment shall be grounded with due regard for the minimization of electrical noise. This may include the provisions of grounding conductors separate from AC ground.

3.10 EQUIPMENT RACKS

- A. The equipment racks shall be considered as custom assemblies and shall be assembled, wired, and tested in the Contractor's shop. Final assembly of racks shall take place on site after transportation but will conform to the same test results achieved in the shop.
- B. Placement of equipment in equipment racks, as shown in the drawings, is for maximum operator convenience. The insertion of additional equipment not indicated herein or any changes of placement of the equipment must be indicated in writing to the Designer before assembly.
- C. Racks shall be installed plumb and square without twists in the frame or variations in level between adjacent racks.
- D. All wire, cable, terminal blocks, rack mounted equipment, and active slots of card frame systems shall be clearly and logically labeled as to their function, circuit, or system. Labeling on manufactured equipment shall be by engraved plastic laminate or by thermal printer on adhesive tape, with white lettering on black background or dark background that is similar to panel finish.
- E. Provide stiffeners to custom panels to prevent panel deformation during normal plugging or switching operations.
- F. All field termination shall enter the rack via a bulkhead panel(s) mounted to the rear-rails of the equipment rack.
- G. All wires and cable used in assembling custom panels and equipment racks shall be formed into harnesses which are tied and supported in accordance with accepted engineering practice.
- H. Harnessed cables shall be combed straight, tie wrapped every eight (8) to twelve (12) inches, and attached to the structure as necessary. Each cable that breaks out from the harness for a termination shall be provided with ample service loop to permit equipment removal from the racks without disconnecting.
- I. Harnessed cables shall be formed in either a vertical or horizontal relationship to equipment, controls components, or terminations.
- J. Cables shields shall be connected to the isolated ground system with due regard for the ground loops.
- K. All system components and related wiring shall be located with due regard from the minimization of induced electromagnetic and electrostatic noise, for the minimization of wiring length, for proper ventilation, and to provide reasonable safety and convenience of the operator.
- L. All rack mounted equipment with front panel controls, shall be furnished with security covers to avoid tampering with preset levels. If specific security covers are not included in the equipment list, the Contractor will furnish the manufacturers suitable alternate.

- M. Every device shall be installed with regard for proper polarity. Absolute polarity shall be maintained through the entire audio chain.

3.11 INITIAL ADJUSTMENT

- A. Verify all circuits and extensions for correct connection, continuity, and polarity. Absolute polarity shall be maintained between all points in the system.
- B. Connector polarity shall be maintained except for terminations at equipment manufactured to other standards. Verify that polarity connections are consistent throughout the system.
- C. Verify that the audio system is operational, and the system gain structure is within the recommendations of major component manufacturers.
- D. Verify that the all-video sources (cameras, players, etc.) and that all video destinations (Projectors, displays, recorders, etc.) are sending and receiving video signals. EDID parameters for all digital video devices shall be reviewed with the owner to verify resolution requirements at all video output devices. Confirm all equipment managed by the audiovisual control system can receive and send control signal as applicable, and that all control parameters and functionality as requested by the owner in the meeting prior to the beginning of work identified in section 2.1.K.9 of this specification have been implemented.

3.12 VERIFICATION TESTS

- A. Confirm that each individual wire and cable run has been labeled and documented in compliance with AVIXA F501.01:2015 (Formerly INFOCOMM F501.01:2015).
- B. Confirm that all system outputs are free of spurious signals including oscillations and radio frequency signals. Contractor shall furnish a wide band oscilloscope in order to verify this condition.
- C. Confirm that the system is free of audible clicks, pops, hums, and other noises when any operating control is activated, with or without an input signal
- D. For all audio and video lines, confirm:
 - 1. Proper circuits appear at each termination location.
 - 2. Proper circuits appear at each jack bay location.
 - 3. Continuity of all conductors.
 - 4. Proper polarity is maintained.
 - 5. Absence of shorts between conductors within each circuit.
 - 6. Absence of shorts between circuit conductors and conduit.
- E. Confirm that the loudspeakers and mountings are free of buzzes and rattles when the speaker is swept with sine wave tones over its rated bandwidth at one-half (1/2) its maximum rated power.

- F. For all permanently mounted loudspeaker terminations, furnish impedance measurement of each pair of loudspeaker lines with all loudspeakers connected and all amplifiers disconnected. These measurements shall be documented in a table listing impedance for each third octave from 20 Hz to 20 kHz and shall be accurate to the nearest 0.1Ω .
- G. For each installed data network cable or fiber optic cable, verify that performance conforms to the relevant TIA/EIA specifications.
- H. For all electronic devices mounted in racks and connected to patch bays confirm:
 - 1. Every audio input and output is balanced.
 - 2. Proper polarity is maintained throughout the entire audio signal path.
- I. Confirm that there are no short circuits between the neutral and isolated ground conductors for each clean power circuit.
- J. Confirm every input and output for video system including:
 - 1. Proper signal to displays.
 - 2. Proper sync to playback and recording equipment.

3.13 VERIFICATION TEST REPORT

- A. Submit five (5) copies of a written report detailing the results of Initial Adjustments and Verification Test including all relevant drawings, charts, test instrument data and photographs. This report shall be completed and submitted to the Designer for review a minimum of five (5) days prior to Acceptance Testing and final tuning. With this report, submit written certification that the installation conforms to the requirements stated herein, is complete in all respects, and is ready for inspection, testing, and tuning.

3.14 ACCEPTANCE TESTING

- A. Acceptance Testing shall be performed by the Designer during a period designated by the Designer. Contractor shall furnish a minimum of two (2) technicians for the acceptance testing period.
- B. All systems shall be compliant with AVIXA (standard 1M:2009 Uniform Distributed Audio Standard as applicable.
- C. The minimum time required for Acceptance Testing is two (2) working days of dedicated quiet. Coordinate this time period so that free access, work lighting, and electrical power are available on site.
- D. The AV Contractor shall bear any costs incurred for additional Designer's time and expenses due to failure to have the system functioning in accordance with specification requirements at the time scheduled for Designer's Acceptance Testing and Tuning.

- E. Ensure that audiovisual areas are in a clean and orderly condition ready for Acceptance Testing.
- F. At the time of Acceptance Testing, submit one (1) copy of the operation and maintenance manual to the Designer (refer to Paragraph 3.15).
- G. Furnish test equipment meeting the following minimum specifications on site, at all times during the Acceptance Testing. Prior to Acceptance Testing, provide the Designer with a listing of the equipment model numbers and their software versions (if applicable) to be made available.
 - 1. Oscilloscope: 1GHz bandwidth sensitivity – 1mV/cm
 - 2. Digital Multi-meter: 1% accuracy
 - 3. Function Generator: 1GHz bandwidth, distortion <1%
 - 4. Real Time Analyzer: 1/3 octave with microphone.
 - 5. Pink Noise Source: 20 Hz – 20 kHz
 - 6. Impedance Sweep Meter: 20 Hz – 1 kHz range, 1 Ω - 50 Ω .
 - 7. Polarity Checker: Microphone level, Line Level, and Loudspeaker Level.
 - 8. NTSC bar graphs and other test patterns for video verification.
 - 9. Ultra-High definition (4K60) Video test generator with VGA, DVI, HDMI 2.0, SDI, and 3G-HDSDI outputs
- H. Be prepared to verify the performance of any portion of the system by demonstrations, listening, and viewing tests, and instrumented measurements.
- I. Make additional mechanical and electrical adjustments within the scope of the work which may be deemed necessary by the Designer as a result of the Acceptance Test. This may include realigning and re-aiming of video or audio systems, changes in system gain structures, grounding, filtering, or interfaces.
- J. Final acceptance will be contingent upon issuance by the Designer of a letter of acceptance stating that the work has been completed and is in accordance with the Contract Documents. The warranty period will begin upon issuance of said letter.

3.15 SYSTEM DOCUMENTATION

- A. Within fifteen (15) days of the Acceptance Testing, prepare and submit digital copy as well as five (5) neatly bound copies of the operations and maintenance manuals to the Owner. Manuals shall be placed in an orderly fashion into a three-ring binder with spine labels indicating contents. These copies are in addition to the one (1) copy furnished to the Designer during Acceptance Testing.
- B. Manual shall include but not be limited to the following:
 - 1. Table of contents
 - 2. Written Guarantee and Service Policy
 - 3. Basic power on/off and operational procedures.
 - 4. All Available manufacturer's operation and service literature for each major system component

5. A one-line signal flow diagram with all cable runs and patch points identified by alphanumeric characters
 6. A copy of the Verification Test Report
 7. Two (2) copies of as-built conduit riser diagram obtained from the Electrical Contractor
 8. A copy of the final tuning settings as furnished by the Designer
 9. Electronic versions of all documents included in the manual and electronic back up of all software, firmware, and files to restore initial install presets for all applicable devices copied on to (2) USB storage devices.
- C. Furnish a framed copy of the as-built signal flow diagram to be mounted by the RACK. This diagram shall have all cable runs and patch points identified by alphanumeric characters.

3.16 TRAINING

- A. The AV Contractor shall provide up to forty-eight (48) hours instruction in the safe and proper operation of the equipment, in particular the audio DSP, sound console, and control systems, to the owner's designated representatives.
1. AV Contractor shall schedule instruction with the Owner's designated representatives.
 2. Instruction shall not necessarily follow immediately after the system commissioning.
 3. Instruction shall be independent of the system check-out and activation. Duration of system commissioning shall not affect the length of instruction time.
 4. Instruction, at Owners discretion, may occur in multiple time blocks of less than eight (8) hours each.
 5. AV Contractor shall be responsible for making and furnishing video documentation of instruction for future viewing to the Owner. Video documentation can be requested by the owner up to the entire (48) hours of instruction as detailed in this section and shall be furnished to the owner as individual .mp4 files per training session. Files shall be labeled by the contractor indicating the date of training and a brief description of the content of the video. All files shall be furnished to the owner on a USB storage device provided by the contractor.

EQUIPMENT LIST APPENDIX:

<u>Basis of Design (Manufacturer Equivalence)</u>	<u>Model/Part#</u>	<u>Description</u>	<u>Qty</u>	<u>Notes</u>
VIDEO (A115)				
(CUSTOM)	INFRASTRUCTURE ONLY	Video Workstations		Coordinate w/ Owner
[ASI-05] (Visionary)	Duet <u>PacketAV 5200</u>	Encoder / Decoder PAIR	13	
(OFCI)	WALL MOUNTED FLAT SCREEN DISPLAY	Coordinate w/ Owner	3	Contractor installed and tested
(OFCI)	UNIVERSAL BRACKET		3	

<u>Basis of Design (Manufacturer Equivalence)</u>	<u>Model/Part#</u>	<u>Description</u>	<u>Qty</u>	<u>Notes</u>
(BASE BID) AREA AVR - A				
[ASI-05] (Blonder Tongue Labs, Inc.)	AQT8-QAM/IP Stock# 6281B	8x8VSB/QAM Input and QAM/IP Outputs	2	
[ASI-05] (Blonder Tongue Labs, Inc.)	SPLITTER	8	2	
(markertek)	CUSTOM PANEL	Allows for SMPTE and Fiber tie-in from Camera locations / Existing Press Box	2	Home run route to existing Press Box
[ASI-05] (<u>BlueSound Professional</u>)	<u>B4005</u>	<u>Multi-zone network music player</u>	<u>2</u>	<u>4 Zones per device. Coordinate with Owner IT for IP addressing and which services shall be provided to each Zone</u>
[ASI-05] (<u>BlueSound Professional</u>)	<u>BluOS</u>	<u>Q-Sys Plug-in for App selection</u>	<u>1</u>	<u>Coordinate with Owner's IT team</u>
(CISCO)	550 G – 16 PORT STACKABLE	10 GIG ETHERNET STACKABLE	3	

[ASI-05]	(Denon)	AVR X6500H	11.2-channel AVR with Wi-Fi®, Apple® AirPlay® 2, and Amazon Alexa compatibility	2	
[ASI-05]	(Marantz)	M-CR612	NETWORK CD RECEIVER FEATURING HEOS, FM/AM,	1	BLUETOOTH, AIRPLAY 2 AND VOICE CONTROL
[ASI-05]	(JBL)	Crown DCi 4 1250DA	Amplifier w/ Dante	10	
	(K-Array)	KA-84	Amplifier w/ Dante	1	
	(CROWN)	DCi 4 600 DA	Amplifier w/ Dante	85	Ref TA6.07ii
[ASI-05]	(QSC)	Q-Sys Core 610	DSP	1	Ref TA6.07ii
[ASI-05]	(QSC)	QIO-L4o	Network audio expander	1	Ref TA6.07ii
[ASI-05]	(QSC)	QIO-GP8x8	Eight (8) general purpose inputs & eight (8) general purpose outputs	1	Ref TA6.07ii
[ASI-05]	(QSC)	QIO-S4	Control	1	Contractor nominated
[ASI-05]	(QSC)	QIO-ML4i	Four (4) mic/line inputs	1	Ref TA6.07ii
	(QSC)	CX - Q 8 CH. 70V	Amplifier	2	
	(QSC)	CDN64	DANTE Interface Card	2	
[ASI-05]	(AMX)	DX-TX-DWP-4K	DXLink™ 4K HDMI Decor Style Wallplate Transmitters	4	
[ASI-05]	(VISIONARY)	DUET PacketAV E5200	ENCODER	4	
	(MIDDLE ATLANTIC)	BGR-4532-AV	45 RU Rack	2	
	(ALLOWANCE)	MISCELLANOUS PATCH CABLES, AND BREAKOUT CABLES	BUNDLE	1	

<u>Basis of Design (Manufacturer Equivalence)</u>	<u>Model/Part#</u>	<u>Description</u>	<u>Qty</u>	<u>Notes</u>
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BATTING TUNNEL (A117)				
(K-Array)	KP-102	Line Array	4	Batting Tunnel
(QSC)	Axon C1	Volume Control	1	Selectable Sources
[ASI-05] (Denon)	RCD-N7	Built in wi fi, AirPlay support	1	Integrated iPod dock
[ASI-05] (Fusion Research)	Solo	Encoder / Decoder	1	
(Visionary)	Duet <u>PacketAV 5200</u>	Encoder / Decoder	4	
[ASI-05] (<u>Visionary</u>)	<u>Duet E5-WP-BT</u>	<u>Bluetooth wall plate w/ Dante</u>	<u>1</u>	<u>Home run to AVR-A</u>
(OFCI)	WALL MOUNTED FLAT SCREEN DISPLAY	Coordinate w/ Owner	4	Contractor installed and tested
(OFCI)	UNIVERSAL MOUNT	Coordinate w/ Owner	4	Contractor installed and tested
(OFCI)	CAMERA W/ MOUNT	INFRASTRUCTURE ONLY, PROVIDE PULL STRINGS Coordinate w/ Owner	3	Owner installed and tested

<u>Basis of Design (Manufacturer Equivalence)</u>	<u>Model/Part#</u>	<u>Description</u>	<u>Qty</u>	<u>Notes</u>
LAUNDRY (A118)				
(QSC)	ADP6T	6" Pendant Speaker	2	
(QSC)	Axon C1	Volume Control	1	Selectable Sources
[ASI-05] (Visionary)	Solo <u>Duet PacketAV 5200</u>	Encoder / Decoder PAIR	1	Home run to AVR-A
(OFCI)	WALL MOUNTED FLAT SCREEN DISPLAY	Coordinate w/ Owner	1	Contractor installed and tested
(OFCI)	UNIVERSAL MOUNT	Coordinate w/ Owner	1	Contractor installed and tested

<u>Basis of Design (Manufacturer Equivalence)</u>	<u>Model/Part#</u>	<u>Description</u>	<u>Qty</u>	<u>Notes</u>
<u>FEMALE LOCKER (A102)</u>				
(QSC)	ADP6T	6" Pendant Speaker	2	
(QSC)	Axon C1	Volume Control	1	Selectable Sources
[ASI-05] (Visionary)	Duet PacketAV 5200	Encoder / Decoder PAIR	1	Home run to AVR-A
(OFCI)	WALL MOUNTED FLAT SCREEN DISPLAY	Coordinate w/ Owner	1	Contractor installed and tested
(OFCI)	UNIVERSAL MOUNT	Coordinate w/ Owner	1	Contractor installed and tested

<u>Basis of Design (Manufacturer Equivalence)</u>	<u>Model/Part#</u>	<u>Description</u>	<u>Qty</u>	<u>Notes</u>
<u>COACHES LOCKER (A104)</u>				
(QSC)	ADP6T	6" Pendant Speaker	4	
(QSC)	Axon C1	Volume Control	1	Selectable Sources
[ASI-05] (Visionary)	Duet PacketAV 5200	Encoder / Decoder PAIR	1	Home run to AVR-A
(OFCI)	WALL MOUNTED FLAT SCREEN DISPLAY	Coordinate w/ Owner	1	Contractor installed and tested
(OFCI)	UNIVERSAL MOUNT	Coordinate w/ Owner	1	Contractor installed and tested

<u>Basis of Design (Manufacturer Equivalence)</u>	<u>Model/Part#</u>	<u>Description</u>	<u>Qty</u>	<u>Notes</u>
<u>MANAGERS OFFICE (A106)</u>				
(QSC)	ADP6T	6" Pendant Speaker	1	
(QSC)	Axon C1	Volume Control	1	Selectable Sources
[ASI-05] (Visionary)	Duet <u>PacketAV 5200</u>	Encoder / Decoder PAIR	1	Home run to AVR-A
(OFCI)	WALL MOUNTED FLAT SCREEN DISPLAY	Coordinate w/ Owner	1	Contractor installed and tested
(OFCI)	UNIVERSAL MOUNT	Coordinate w/ Owner	1	Contractor installed and tested

<u>Basis of Design (Manufacturer Equivalence)</u>	<u>Model/Part#</u>	<u>Description</u>	<u>Qty</u>	<u>Notes</u>
<u>LOUNGE (A108)</u>				
(QSC)	ADP6T	6" Pendant Speaker	4	
(QSC)	Axon C1	Volume Control	1	Selectable Sources
[ASI-05] (Visionary)	Duet <u>PacketAV 5200</u>	Encoder / Decoder PAIR	1	Home run to AVR-A
(OFCI)	WALL MOUNTED FLAT SCREEN DISPLAY	Coordinate w/ Owner	2	Contractor installed and tested
(OFCI)	UNIVERSAL MOUNT	Coordinate w/ Owner	2	Contractor installed and tested

<u>Basis of Design</u> <u>(Manufacturer</u> <u>Equivalence)</u>	<u>Model/Part#</u>	<u>Description</u>	<u>Qty</u>	<u>Notes</u>
<u>LOCKER ROOM (A109, A109B, A109C)</u>				
(QSC)	ADP6T	6" Pendant Speaker	8	
(QSC)	Axon C1	Volume Control	1	Selectable Sources
[ASI-05] (Visionary)	Duet <u>PacketAV 5200</u>	Encoder / Decoder PAIR	3	Home run to AVR-A
(OFCI)	WALL MOUNTED FLAT SCREEN DISPLAY	Coordinate w/ Owner	3	Contractor installed and tested
(OFCI)	UNIVERSAL MOUNT	Coordinate w/ Owner	3	Contractor installed and tested

<u>Basis of Design</u> <u>(Manufacturer</u> <u>Equivalence)</u>	<u>Model/Part#</u>	<u>Description</u>	<u>Qty</u>	<u>Notes</u>
<u>SPORTS MED (A130)</u>				
(QSC)	ADP6T	6" Pendant Speaker	4	
(QSC)	Axon C1	Volume Control	1	Selectable Sources
[ASI-05] (Visionary)	Duet <u>PacketAV 5200</u>	Encoder / Decoder PAIR	2	Home run to AVR-A
(OFCI)	CEILING MOUNTED FLAT SCREEN DISPLAY	Coordinate w/ Owner	2	Contractor installed and tested
(OFCI)	UNIVERSAL MOUNT	Coordinate w/ Owner	2	Contractor installed and tested

<u>Basis of Design</u> <u>(Manufacturer</u> <u>Equivalence)</u>	<u>Model/Part#</u>	<u>Description</u>	<u>Qty</u>	<u>Notes</u>
<u>WEIGHT ROOM (A112)</u>				
(QSC)	ADP6T	6" Pendant Speaker	6	
(QSC)	ADP.SUB	6" Pendant Speaker Low frequency SubwoOFCIr	2	
(QSC)	Axon C1	Volume Control	1	Selectable Sources
[ASI-05] (Denon)	RCD-N7	Built-in wi-fi, AirPlay support and an integrated iPod dock	1	
[ASI-05] (Fusion Research)	Duet Encoder	Duet features three discrete sources housed in a fanless 1U chassis with included rack ears. It also supports premium streaming music apps or a digital music collection. Along with the streaming apps, it also synes to iTunes accounts as well as backing up those accounts on to any attached USB hard drive.	1	Home run to AVR-A (weight room sound system)
[ASI-05] (Visionary)	Duet <u>PacketAV 5200</u>	Encoder / Decoder PAIR	2	Home run to AVR-A
[ASI-05] (Visionary)	<u>Duet E5-WP-BT</u>	<u>Bluetooth wall plate w/ Dante</u>	1	<u>Home run to AVR-A</u>
(OFCI)	WALL MOUNTED FLAT SCREEN DISPLAY	Coordinate w/ Owner	2	Contractor installed and tested
(OFCI)	UNIVERSAL MOUNT	Coordinate w/ Owner	2	Contractor installed and tested
(OFCI)	CEILING MOUNTED FLAT SCREEN DISPLAY	Coordinate w/ Owner	1	Contractor installed and tested
(OFCI)	UNIVERSAL MOUNT	Coordinate w/ Owner	1	Contractor installed and tested

<u>Basis of Design</u> (<u>Manufacturer</u> <u>or Equivalence</u>)	<u>Model/Part#</u>	<u>Description</u>	<u>Qty</u>	<u>Notes</u>
<u>(PICNIC DECK, BASE BID)</u>				
(JBL)	70 J+E	PASSIVE SPEAKER	3	2 STACKED FOR EACH MOUNTING LOCATION
(JBL)	70 J	PASSIVE SPEAKER	11	ANGLED FOR FIELD MOUNTED TO POLES AND TO BUILDING STRUCTURE
[ASI-05] (VISIONARY)	Duet <u>PacketAV 5200</u>	Encoder / Decoder PAIR	2	OFCI Mobile cabinet <u>Data-S</u> Home run to AVR-A
(Listentech)	LT-800	FM Transmitter for Assistive Listening System	1	
(Listentech)	LR-4200	FM Belt pack Receivers	16	AV Contractor to confirm total quantity is compliant with ADA standards prior to purchase and provide at minimum the recommended amount. To be furnished with standard LA-401 earpiece for each receiver.
(Listentech)	LA-430	FM Neck Loops	4	AV Contractor to confirm total quantity is compliant with ADA standards prior to purchase and provide recommended minimum..
(Listentech)	LA-313	Charging Station for 16 FM Belt packs	1	
(OFCI)	86" Flat Screen Display	OUTDOOR RATED WALL Mounted	2	COORDINATE WITH OWNER'S IT TEAM
(OFCI)	Universal FSD Mount		1	COORDINATE WITH OWNER'S IT TEAM
(OFCI)	65" Flat Screen Display On mobile cart	Adjustable Cart with Tilt capability	2	COORDINATE WITH OWNER'S IT TEAM TO ASSEMBLE
(OFCI CUSTOM)	OUTDOOR RATED CART	ONE FOR EACH SIZE DISPLAY	2	Recommend 75" Outdoor Rated OFCI Display. Confirm

[ASI-05]

		BACK-TO-BACK		with Owner
(VISIONARY)	DUET <u>PacketAV 5200</u>	Encoder / Decoder PAIR	2	Home run to AVR-A
(LeGrand, North America)	XCSPP3G-BK	Outdoor Charging Station 3-Gang Unwired – Black	2	
(LeGrand, North America)	XCSLOCK-BK	Locking Door – Black	2	
(LeGrand, North America)	XCSANCHORKIT	Anchor bolt subpack	2	
(LeGrand, North America)	CG37098	Six Port Keystone Double Gang Wall Plate – Stainless Steel Face plate	2	
(LeGrand, North America)	SS26	Decorator Openings, One Gang, 302/304 Stainless Steel Face Plate	2	
(LeGrand, North America)	CG35201	Keystone: 90° Cat5E RJ45 UTP Keystone Jack – White	4	2 per pedestal
(LeGrand, North America)	CG03824	Keystone: Snap-In F-Type Keystone Insert Module – White	4	2 per pedestal
(LeGrand, North America)	CG03820	Keystone: Snap-In Blank Keystone Insert Module – White	4	2 per pedestal
(LeGrand, North America)	2097TRWRGRYCCD4	radiant® Spec-Grade 20A Weather-Resistant Self-Test GFCI Receptacle	2	

<u>Basis of Design</u> (Manufacturer Equivalence)	<u>Model/Part#</u>	<u>Description</u>	<u>Qty</u>	<u>Notes</u>
<u>(AREA A). CLUB LEVEL BASE BID. OPTION A</u>				
(MERSIVE)	SOLSTICE (GEN POD 3)	Wireless Interactive Collaboration tool	1	
(NETGEAR)	AC1200	Wireless Router	1	
(Visionary)	Multiview	Encoder	1	
(Visionary)	Duet	Decoder	7	
(Fusion Research)	Solo	Music Transport Encoder	1	
(QSC)	ADP6T	6" Pendant Speaker	16	
(QSC)	ADP.SUB	6" Pendant Speaker Low frequency Subwoofer	6	
(QSC)	Axon-C1	Volume Control	1	Selectable Sources
(Shure)	ULXD4Q	4 Channel Wireless Receiver	1	
(Shure)	ULXD2/SM58	Handheld Wireless Microphone	4	
(Shure)	ULXD1-G50	Wireless Microphone Beltpack	4	Provided with lavalier elements, coordinate with owner for lavalier requirements.
(Shure)	UA864 (White)	Directional Wireless Microphone Antenna, SET AMP TO +10db on ANT	2	LINE OF SIGHT IN CLUB Furnish with adapters, splitters, and signal amplification as required
(Listentech)	LT-800	FM Transmitter	1	for Assistive Listening System
(Listentech)	LR-4200	FM Beltpack Receivers To be furnished with standard LA-401 earpiece for each receiver.	6	AV Contractor to confirm total quantity is compliant with ADA standards prior to purchase & provide recommended minimum.
(Listentech)	LA-430	FM Neck Loops AV Contractor to confirm total quantity	4	compliant w/ ADA standards prior to purchase & provide recommended minimum.

[ASI-05]

[ASI-05]	(Listentech)	LA-313	FM Beltpack Charging	1	Station for 16 units
	(Extron)	60-1517-03-ACI-22AT-D	Dante Wall Plate	2	-
	CISCO)	16 Port Stackable Network Switch	Layer 3, 10 Gig	1	
	(OFCI)	55" FSD W/ TUNER	Coordinate w/ Owner	6	Infrastructure to be provided
	(OFCI)	Universal Wall Mount	Coordinate w/ Owner	6	
	OWNER FURNISHED	85" + FSD W/ TUNER	Coordinate w/ Owner	1	Infrastructure to be provided
	(OFCI)	Universal Wall Mount	Coordinate w/ Owner	1	
	(CHIEF)	'526 PACFWP BACKBOX		1	

Basis of Design (Manufacturer Equivalence)	Model/Part#	Description	Qty	Notes
<u>AREA A, LOBBY, CORRIDOR, RESTROOMS ON CLUB LEVEL</u>				
(QSC)	ADP6T	6" Pendant Speaker	16	Coordinate with ceiling feature in Lobby
[ASI-05] (Visionary)	Duet PacketAV 5200	Decoder	1	Home run to AVR-A
[ASI-05] (OFCI)	55" Display	Coordinate w/ Owner	1	Lobby Digital Signage
(OFCI)	Universal Wall Mount	Coordinate w/ Owner	1	Lobby Digital Signage
(CHIEF)	'526 PACFWP BACKBOX		1	Lobby Digital Signage

<u>Basis of Design (Manufacturer Equivalence)</u>	<u>Model/Part#</u>	<u>Description</u>	<u>Qty</u>	<u>Notes</u>
<u>BATHROOM BUILDING, BASE BID</u>				

REBID DUTCHESS STADIUM NEW LEFT FIELD CLUBHOUSE,
SEATING BOWL, & RESTROOM BUILDING
COUNTY PROJECT #RFB-DCB-18-22
FISHKILL, NEW YORK

57-21113-00

~~CONSTRUCTION DOCUMENTS~~ ASI-05

~~03.06.23~~ 7.14.2023

(QSC)	ADP6T	6" Pendant Speaker	7	
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<u>Basis of Design</u> <u>(Manufacturer</u> <u>Equivalence)</u>	<u>Model/Part#</u>	<u>Description</u>	<u>Qty</u>	<u>Notes</u>
(AREA A). CLUB LEVEL BASE BID. OPTION B with PRESENTATION CAPABILITIES				
(MIDDLE ATLANTIC)	C5 single bay, 27" deep	27" deep rack in Credenza to house AV equipment 1		Wilsonart – Mission Maple Locate in Storage A202C
(MIDDLE ATLANTIC)	POWER CONDITIONING & SURGE PROTECTION	8 OUTLETS	1	
(AMX)	FG1906-0401	DVX-3266 Presentation Switcher	1	
(AMX)	MT-1002	10.1" Modero 5G Rack mount Touch Panel	1	Can sit on a shelf or on top of C5 – Owner to confirm
[ASI-05] (AMX)	<u>2300 Series Encoder and Reciever pair... Portable Transmitter / Receiver Pair</u>	Video Connectivity	3 7	<u>Homerun to AVR-02</u>
(AMX)	FG1010-330-WH (White)	DXLink™ 4K HDMI Decor Style Wall plate Transmitters	1	
(Visionary)	MultiView	Encoder	1	
(Visionary)	<u>Duet PacketAV 5200</u>	Encoder / Decoder Pair	7	<u>Homerun to AVR-A Web interface for SMART TV</u>
[ASI-05] (Fusion Research)	Solo	Music Transport Encoder	1	
(<u>Bluesound Professional</u>)	<u>B100S</u>	<u>Internet Music Service</u>	<u>1</u>	
(<u>Bluesound Professional</u>)	<u>BluOS</u>	<u>Internet Music Service APP</u>	<u>1</u>	
(MERSIVE)	SOLSTICE (GEN POD 3)	Wireless Interactive Collaboration tool	1	
(NETGEAR)	AC1200	Wireless Router	1	
(JBL)	MTU-16-WH U-Bracket	U-Bracket	2	
(JBL)	C67P/T-WH	WHITE – 70V w/TAP @ 60	24	BOTTOM EDGE OF SPEAKER TO ALIGN W/ LIGHTS AT +12' AFF
(CROWN)	DCI-DA Model 4 600DA	AMPLIFIER	3	DANTE
[ASI-05] (BIAMP)	DANVT	DSP W/ DANTE	1	<u>Coordinate Telephony connection</u>

(Shure)	ULXD4Q	4 Channel Wireless Receiver	1	
(Shure)	ULXD2/SM58	Handheld Wireless Microphone	4	
(Shure)	ULXD1-G50	Wireless Microphone Beltpack	4	Provided with lavalier elements, coordinate with owner for lavalier requirements.
(Shure)	UA864 (White)	Directional Wireless Microphone Antenna, SET AMP TO +10db on ANT	2	LINE OF SIGHT: Furnish with adapters, splitters, and signal amplification as required
(ATLAS)	IP-ZCM1RMK	Single Output Kit - Includes (1) IP-ZCM W/(1) PA702-RMK	1	COORDINATE WITH OWNER'S IT TEAM TO CONNECT PA SYSTEM
(Listentech)	LT-800	FM Transmitter for Assistive Listening System	1	
(Listentech)	LR-4200	FM Beltpack Receivers	16	AV Contractor to confirm total quantity is compliant with ADA standards prior to purchase and provide at minimum the recommended amount. To be furnished with standard LA-401 earpiece for each receiver.
(Listentech)	LA-430	FM Neck Loops	4	AV Contractor to confirm total quantity is compliant with California ADA standards prior to purchase and provide at minimum the recommended amount.
(Listentech)	LA-313	Charging Station for 16 FM Beltpacks	1	
(Extron)	60-1517-03 ACI 22AT D	Dante Wall Plate	2	
(CISCO)	16 Port Stackable Network Switch	Layer 3, 10 Gig	1	
[ASI-05] (OFCI)	55" FSD W/ TUNER SMART TV capable	Coordinate w/ Owner	6	Infrastructure to be provided
(OFCI)	Universal Wall Mount	Coordinate w/ Owner	6	
[ASI-05] OWNER FURNISHED CONTRACTOR INSTALLED	98" + FSD W/ TUNER SMART TV capable	Coordinate w/ Owner	1	Infrastructure to be provided

(OFCI)	Universal Wall Mount	Coordinate w/ Owner	1	
(CHIEF)	526 PACFWP BACKBOX		1	

<u>Basis of Design (Manufacturer Equivalence)</u>	<u>Model/Part#</u>	<u>Description</u>	<u>Qty</u>	<u>Notes</u>
PORTABLE EQUIPMENT OPTION ALTERNATIVE BID PACKAGE (PICNIC DECK)				
(OFCI)	75" Flat Screen Display On mobile cart	Adjustable Cart with Tilt capability	4	COORDINATE WITH OWNER'S IT TEAM TO ASSEMBLE
(OFCI)	65" Flat Screen Display On mobile cart	Adjustable Cart with Tilt capability	4	COORDINATE WITH OWNER'S IT TEAM TO ASSEMBLE
(OFCI CUSTOM)	OUTDOOR RATED CART	ONE FOR EACH SIZE DISPLAY BACK TO BACK	4	Recommend 75" Outdoor Rated OFCI Display. Confirm with Owner
(VISIONARY)	DUET	Encoder / Decoder PAIR	4	Home run to AVR A
(LeGrand, North America)	XCSPP3G-BK	Outdoor Charging Station 3 Gang Unwired —Black	14	
(LeGrand, North America)	XCSLOCK-BK	Locking Door —Black	14	
(LeGrand, North America)	XCSANCHORKIT	Anchor bolt subpack	14	
(LeGrand, North America)	CG37098	Six Port Keystone Double Gang Wall Plate —Stainless Steel Face plate	14	
(LeGrand, North America)	SS26	Decorator Openings, One Gang, 302/304 Stainless Steel Face Plate	14	
(LeGrand, North America)	CG35201	Keystone: 90° Cat5E RJ45 UTP Keystone Jack —White	28	2 per pedestal

[ASI-05]

[ASI-05]	(LeGrand, North America)	CG03824	Keystone: Snap-In F-Type Keystone Insert Module—White	28	2 per pedestal
	(LeGrand, North America)	CG03820	Keystone: Snap-In Blank Keystone Insert Module—White	28	2 per pedestal
	(LeGrand, North America)	2097TRWRGRYCCD4	radiant® Spec-Grade	14	20A Weather Resistant Self-Test GFCI Receptacle

	<u>Basis of Design</u> (<u>Manufacturer</u> <u>Equivalence</u>)	<u>Model/Part#</u>	<u>Description</u>	<u>Qty</u>	<u>Notes</u>
	<u>ALTERNATIVE BID (PICNIC DECK & CLUB)</u>				
[ASI-05]	(JBL)	70-J+E	PASSIVE SPEAKER	18	2 STACKED FOR EACH MOUNTING LOCATION
[ASI-05]	(JBL)	70-J	PASSIVE SPEAKER	10	ANGLED FOR FIELD SEATING BOWL POLE MOUNTED

END OF SECTION 274116

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CP1.0.ii	STADIUM CODE PLAN	A11.2.ii	INTERIOR DETAILS	P1.1A.ii	UNDERGROUND PLUMBING PLAN - AREA A	E1.2A.ii	LIGHTING PLAN - AREA A - LEVEL 2
CP1.1A.ii	FIRST FLOOR CODE PLAN	A11.3.ii	INTERIOR DETAILS	P2.1A.ii	PLUMBING PLAN - AREA A - LEVEL 1	E2.1A.ii	POWER PLAN - AREA A - LEVEL 1
CP1.2A.ii	SECOND FLOOR CODE PLAN	A11.4.ii	INTERIOR DETAILS	P2.2A.ii	PLUMBING PLAN - AREA A - LEVEL 2	E2.2A.ii	POWER PLAN - AREA A - LEVEL 2
EXISTING CONDITIONS		A11.5.ii	INTERIOR DETAILS	P3.1.ii	ENLARGED PLUMBING PLANS AND SECTIONS	E3.1A.ii	SPECIAL SYSTEMS PLAN - AREA A - LEVEL 1
EX1.0	TOPOGRAPHIC SURVEY	A12.01.ii	FINISH SCHEDULES	P4.1.ii	WASTE & VENT ISOMETRIC DIAGRAMS	E3.2A.ii	SPECIAL SYSTEMS PLAN - AREA A - LEVEL 2
EX2.0.ii	EXISTING CONDITIONS - SITE PLAN	A12.1A.ii	FIRST FLOOR FINISH PLAN	P4.2.ii	DOMESTIC ISOMETRIC DIAGRAM	E4.1.ii	ENLARGED ELECTRICAL PLANS
CIVIL		A12.2A.ii	SECOND FLOOR FINISH PLAN	P4.3.ii	NATURAL GAS ISOMETRIC DIAGRAM	E5.1.ii	ELECTRICAL DIAGRAMS
C0.1.ii	CIVIL GENERAL NOTES	A13.1.ii	SEATING PLAN	P5.1.ii	PLUMBING DETAILS	E6.1.ii	ELECTRICAL DETAILS
C1.1.ii	CIVIL DEMO PLAN	A13.2A.ii	FIRST FLOOR FF&E PLAN - AREA A	P5.2.ii	PLUMBING DETAILS	E6.2.ii	ELECTRICAL DETAILS
C1.2.ii	CIVIL SITE PLAN	A13.3A.ii	SECOND FLOOR FF&E PLAN - AREA A	P6.1.ii	PLUMBING SCHEDULES	E6.3.ii	ELECTRICAL DETAILS
C2.1.ii	CIVIL STORMWATER MANAGEMENT PLAN	A14.1.ii	INTERIOR SIGNAGE ELEVATIONS	P6.2.ii	PLUMBING SCHEDULES	E7.1.ii	ELECTRICAL SCHEDULES
C2.2.ii	CIVIL STORMWATER MANAGEMENT DETAIL 1	A14.3.ii	SIGNAGE PLAN - FIRST FLOOR	MECHANICAL			
C2.3.ii	CIVIL STORMWATER MANAGEMENT DETAIL 2	A14.4.ii	SIGNAGE PLAN - SECOND FLOOR	M0.1.ii	MECHANICAL SYMBOLS, ABBREVIATIONS & NOTES	TAD.01.ii	AUDIOVISUAL GENERAL NOTES
C3.1.ii	EROSION AND SEDIMENT CONTROL NOTES	FOODSERVICE		M1.1A.ii	HVAC PLAN - AREA A - LEVEL 1	TA1.01A.ii	AUDIOVISUAL WIRING DEVICE PLAN, FIRST LEVEL - AREA A
C4.1.ii	CIVIL UTILITY PLAN 1	FS1.2A.ii	FOODSERVICE EQUIPMENT PLANS AND SCHEDULE	M1.2A.ii	HVAC PLAN - AREA A - LEVEL 2	TA1.02A.ii	AUDIOVISUAL WIRING DEVICE PLAN, SECOND LEVEL - AREA A
C5.1.ii	CIVIL DETAILS	FS2.2A.ii	FOODSERVICE EQUIPMENT ROUGH-IN PLANS	M1.3.ii	MECHANICAL ROOF PLAN	TA1.11A.ii	AUDIOVISUAL EQUIPMENT PLAN, FIRST LEVEL - AREA A
C5.2.ii	CIVIL DRAINAGE DETAILS	FS3.2A.ii	FOODSERVICE EXHAUST HOOD AND ANSUL PIPING PLAN	M3.1.ii	ENLARGED HVAC PLANS	TA1.12A.ii	AUDIOVISUAL EQUIPMENT PLAN, SECOND LEVEL - AREA A
LANDSCAPE		FS4.2A.ii	FOODSERVICE EQUIPMENT ELEVATIONS AND DETAILS	M4.1.ii	MECHANICAL SECTIONS AND RISERS	TA2.01A.ii	AUDIOVISUAL RCP, FIRST LEVEL - AREA A
L1.1.ii	LANDSCAPE PLAN	STRUCTURAL		M5.1.ii	CONTROLS DIAGRAMS	TA2.02A.ii	AUDIOVISUAL RCP, SECOND LEVEL - AREA A
ARCHITECTURAL		S0.1.ii	STRUCTURAL NOTES	M5.2.ii	CONTROLS DIAGRAMS	TA2.11A.ii	AUDIOVISUAL EQUIPMENT RCP, FIRST LEVEL - AREA A
A0.1.ii	GENERAL NOTES, ARCHITECTURAL SYMBOLS & ABBREVIATIONS	S0.2.ii	STRUCTURAL NOTES	M7.1.ii	MECHANICAL DETAILS	TA2.12A.ii	AUDIOVISUAL EQUIPMENT RCP, SECOND LEVEL - AREA A
A0.1.ii	ARCHITECTURAL DEMOLITION PLAN	S0.3.ii	SNOW DRIFT PLAN	M7.2.ii	MECHANICAL DETAILS	TA4.01.ii	ELEVATIONS, SECTIONS AND 3D VIEWS
A51.1.ii	ARCHITECTURAL SITE PLAN	S0.4.ii	GRID GEOMETRY PLAN	M8.1.ii	MECHANICAL SCHEDULES	TA5.01.ii	AUDIOVISUAL DETAILS
AS2.1.ii	FIELD WALL & FENCING PLAN	S1.1.ii	FOUNDATION PLAN	M8.2.ii	MECHANICAL SCHEDULES	TA5.51.ii	AUDIOVISUAL WIRING DEVICE DETAILS
A1.1A.ii	FLOOR PLAN - AREA A - LEVEL 1	S2.1.ii	FLOOR FRAMING PLAN	AUDIOVISUAL			
A1.2A.ii	FLOOR PLAN - AREA A - LEVEL 2	S2.2.ii	ROOF FRAMING PLAN	TA6.02.ii	SIGNAL BLOCK DIAGRAM, CLUB LEVEL OPTION B	TA6.04.ii	AVR-A, AUDIOVISUAL VIDEO SIGNAL BLOCK DIAGRAM
A1.4.ii	ROOF PLAN	S3.1.ii	FOUNDATION TYPICAL DETAILS	TA6.06.ii	AVR-A, SUPPLEMENTAL VIDEO SIGNAL BLOCK DIAGRAM	TA6.08.ii	AVR-A, CLUB LEVEL VIDEO SIGNAL BLOCK TERMINALS
A2.1.ii	ENLARGED FLOOR PLANS	S3.2.ii	FOUNDATION TYPICAL DETAILS	TA6.07.ii	AVR-A, AUDIO SIGNAL BLOCK DIAGRAM	TA7.01.ii	AUDIOVISUAL SCHEDULES - AREA A
A3.1A.ii	REFLECTED CEILING PLAN - AREA A - LEVEL 1	S3.5.ii	FOUNDATION SECTIONS	TA7.04.ii	AUDIOVISUAL SCHEDULES - AREA A PICNIC DECK - SECOND LEVEL		
A3.2A.ii	REFLECTED CEILING PLAN - AREA A - LEVEL 2	S3.6.ii	FOUNDATION SECTIONS				
A4.1.ii	EXTERIOR ELEVATIONS	S3.7.ii	STRUCTURAL SECTIONS				
A4.2.ii	EXTERIOR ELEVATIONS	S3.8.ii	STRUCTURAL SECTIONS				
A5.1.ii	BUILDING SECTIONS - OVERALL	S4.1.ii	STRUCTURAL SECTIONS				
A5.2.ii	BUILDING SECTIONS - OVERALL	S4.2.ii	STRUCTURAL SECTIONS				
A5.3.ii	BUILDING SECTIONS - OVERALL	S4.3.ii	MASONRY TYPICAL DETAILS				
A6.1.ii	WALL SECTIONS	S5.1.ii	ROOF FRAMING TYPICAL DETAILS				
A6.2.ii	WALL SECTIONS	S5.5.ii	STRUCTURAL SECTIONS				
A6.3.ii	WALL SECTIONS	S6.1.ii	BRACED FRAME TYPICAL DETAILS				
A6.4.ii	WALL SECTIONS						
A6.5.ii	BOWL SECTIONS						
A6.6.ii	BOWL SECTIONS						
A7.1.ii	ENLARGED VERTICAL CIRCULATION						
A7.2.ii	ENLARGED VERTICAL CIRCULATION						
A8.1.ii	PARTITION TYPES						
A8.2.ii	DOOR & FRAME TYPES & SCHEDULES						
A9.1.ii	EXTERIOR DETAILS						
A9.2.ii	EXTERIOR DETAILS						
A9.3.ii	EXTERIOR DETAILS						
A9.4.ii	EXTERIOR DETAILS						
A9.10.ii	VERTICAL CIRCULATION DETAILS						
A9.11.ii	RAILINGS						

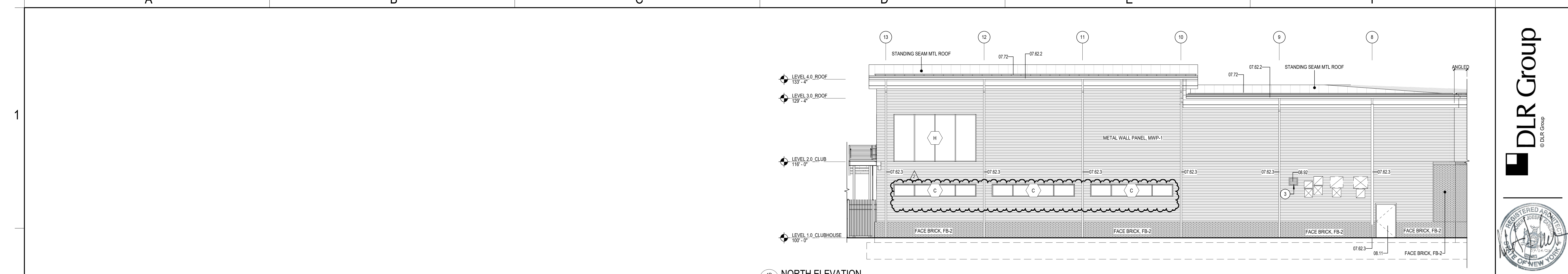
TA6.02.ii SIGNAL BLOCK DIAGRAM, CLUB LEVEL OPTION B
 TA6.04.ii AVR-A, AUDIOVISUAL VIDEO SIGNAL BLOCK DIAGRAM
 TA6.06.ii AVR-A, SUPPLEMENTAL VIDEO SIGNAL BLOCK DIAGRAM
 TA6.08.ii AVR-A, CLUB LEVEL VIDEO SIGNAL BLOCK TERMINALS
 TA6.07.ii AVR-A, AUDIO SIGNAL BLOCK DIAGRAM
 TA7.01.ii AUDIOVISUAL SCHEDULES - AREA A
 TA7.04.ii AUDIOVISUAL SCHEDULES - AREA A PICNIC DECK - SECOND LEVEL



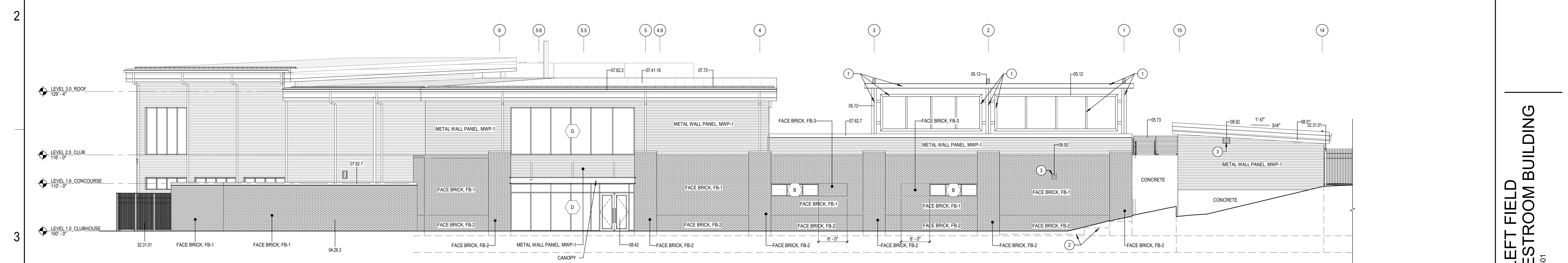
SCHEDULE OF ALTERNATES

ALTERNATE NO.	ALTERNATE DESCRIPTION
DEDUCT ALTERNATE NO. 1	REMOVE LEVEL 02 INDOOR CLUB, KITCHEN, AUXILIARY SPACES, AND OUTDOOR SEATING AREA.
DEDUCT ALTERNATE NO. 2	NOT USED.
DEDUCT ALTERNATE NO. 3	REMOVE CONCOURSE TOILET BUILDING.
DEDUCT ALTERNATE NO. 4	NOT USED.
DEDUCT ALTERNATE NO. 5	ASPHALT MILLINGS PARKING LOT.
DEDUCT ALTERNATE NO. 6	NOT USED.
DEDUCT ALTERNATE NO. 7	REMOVE CONCRETE STADIA SEATING BOWL EXTENSION.
DEDUCT ALTERNATE NO. 8	REMOVE TERRACED CONCRETE STADIA SEATING BOWL.

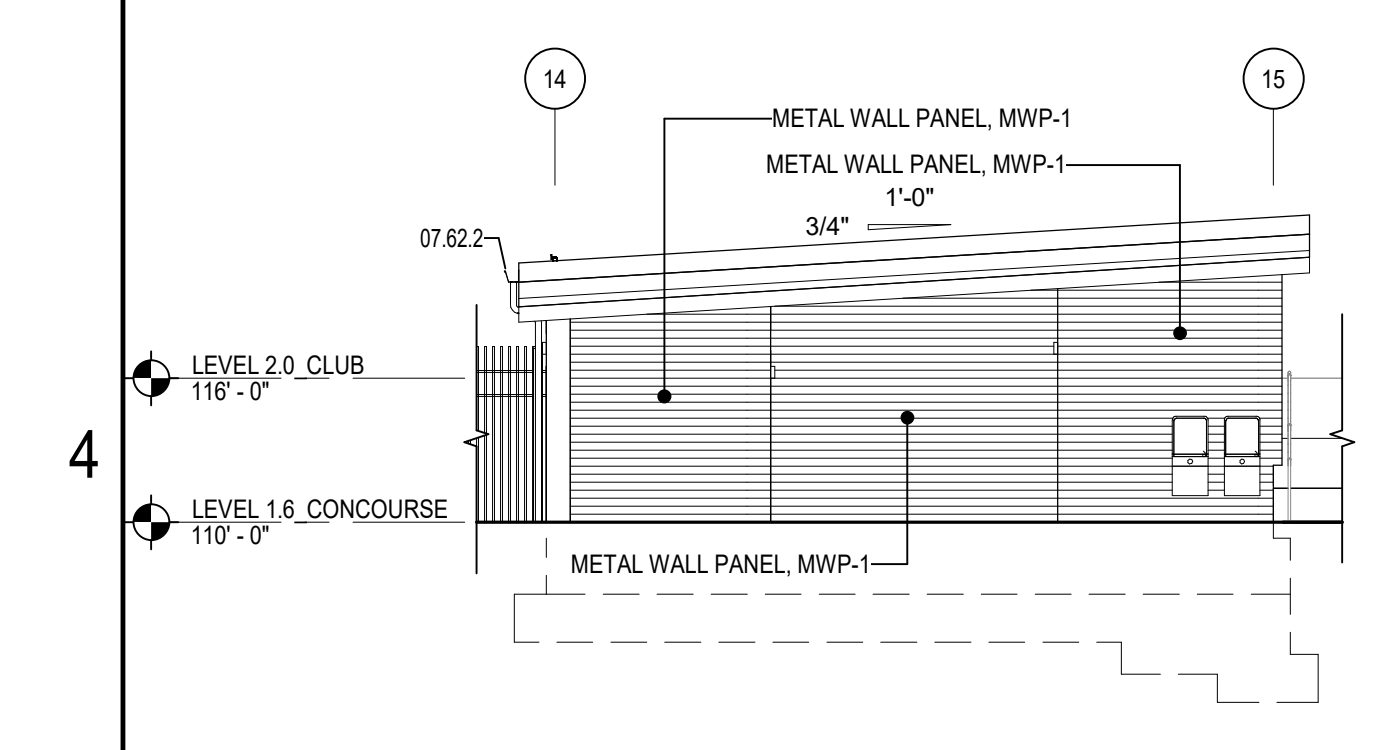




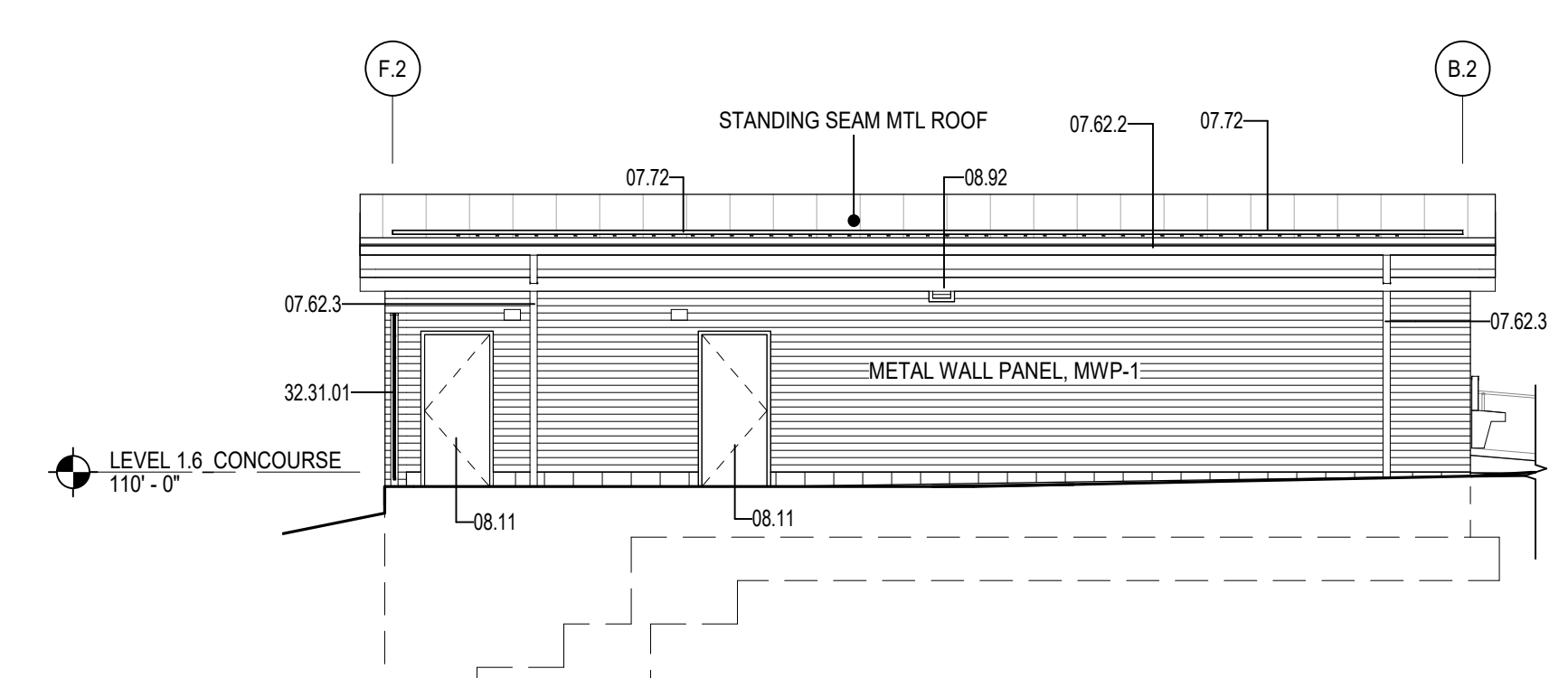
1D NORTH ELEVATION
A4.1.ii / SCALE: 1/8" = 1'-0"



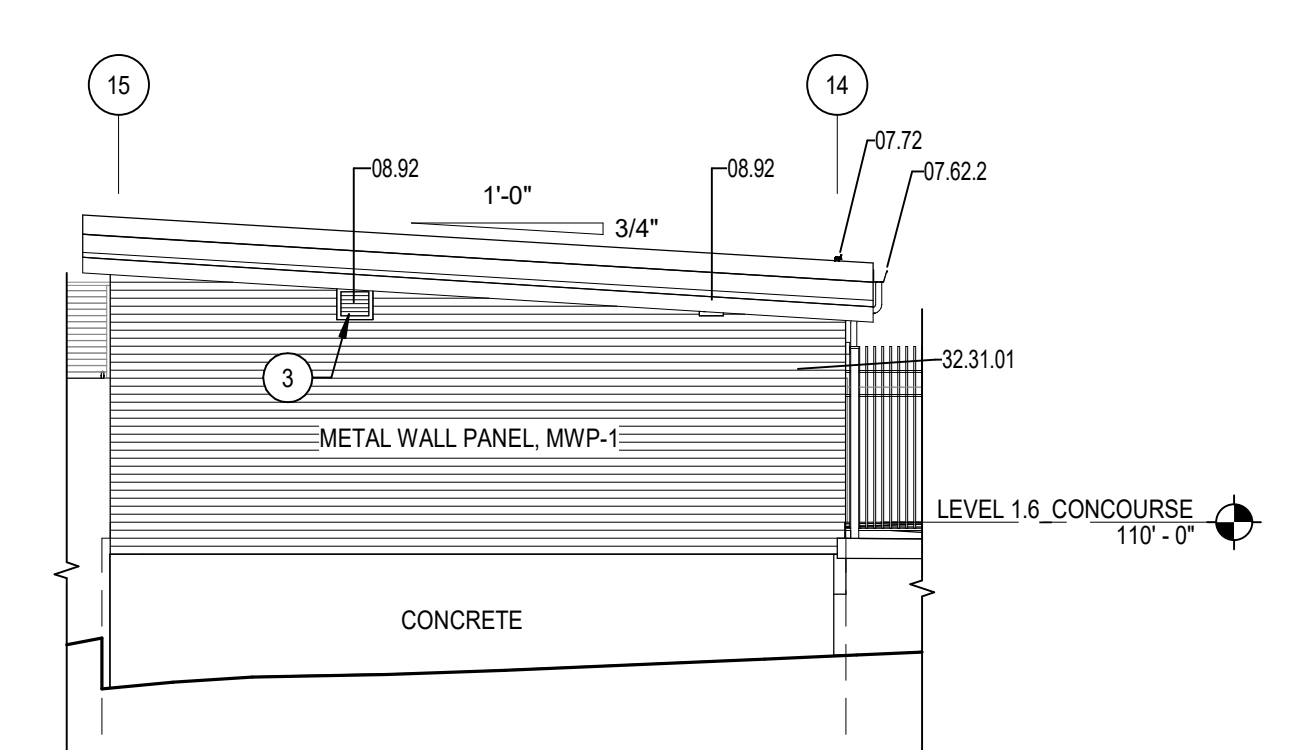
3B NORTHWEST ELEVATION
A4.1.ii / SCALE: 1/8" = 1'-0"



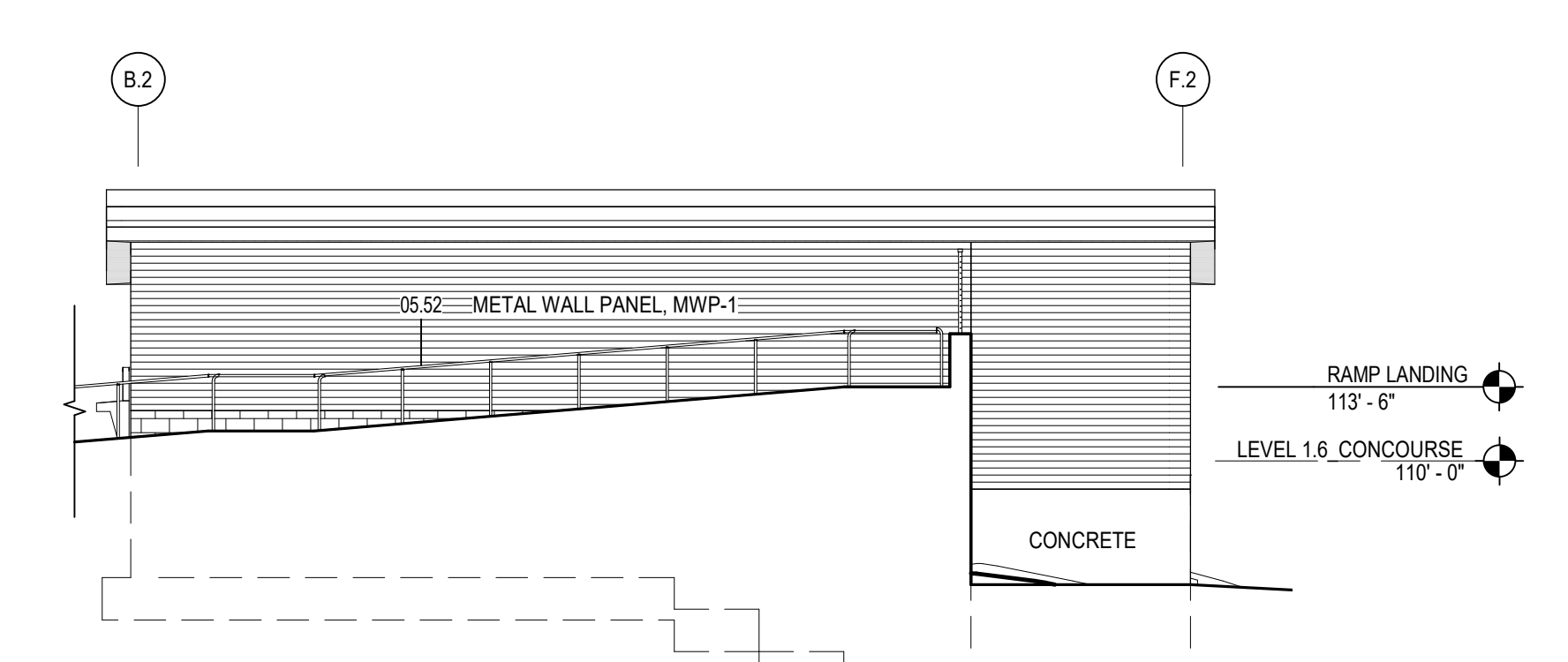
4A SOUTHEAST ELEVATION - TOILET BUILDING
A4.1.ii / SCALE: 1/8" = 1'-0"



4B SOUTHWEST ELEVATION - TOILET BUILDING
A4.1.ii / SCALE: 1/8" = 1'-0"



4D NORTHWEST ELEVATION - TOILET BUILDING
A4.1.ii / SCALE: 1/8" = 1'-0"



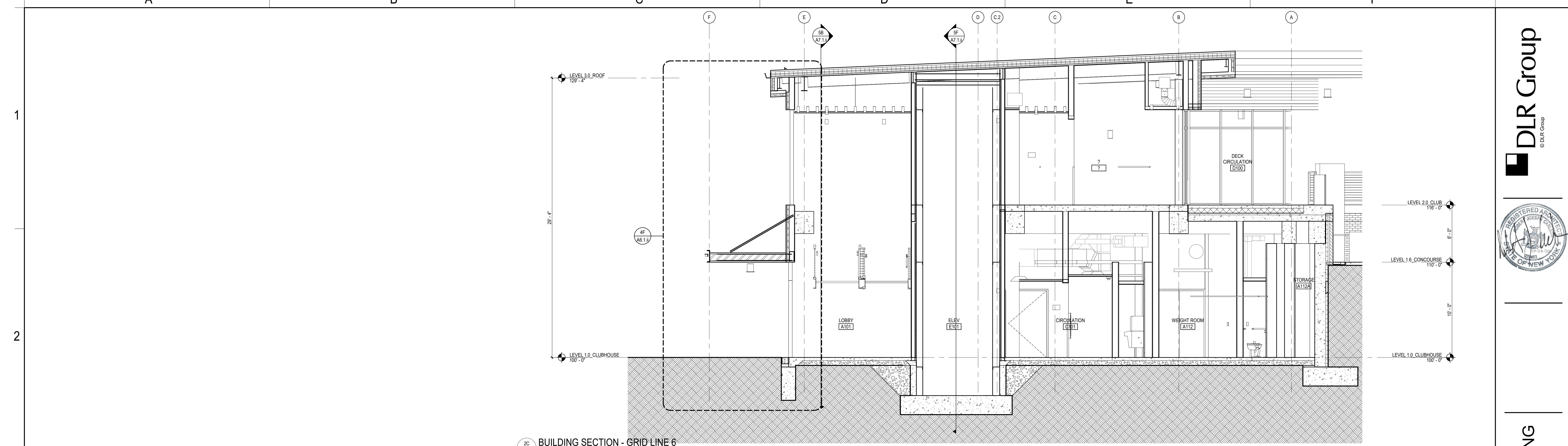
4E NORTHEAST ELEVATION - TOILET BUILDING
A4.1.ii / SCALE: 1/8" = 1'-0"

REFERENCE KEYNOTES

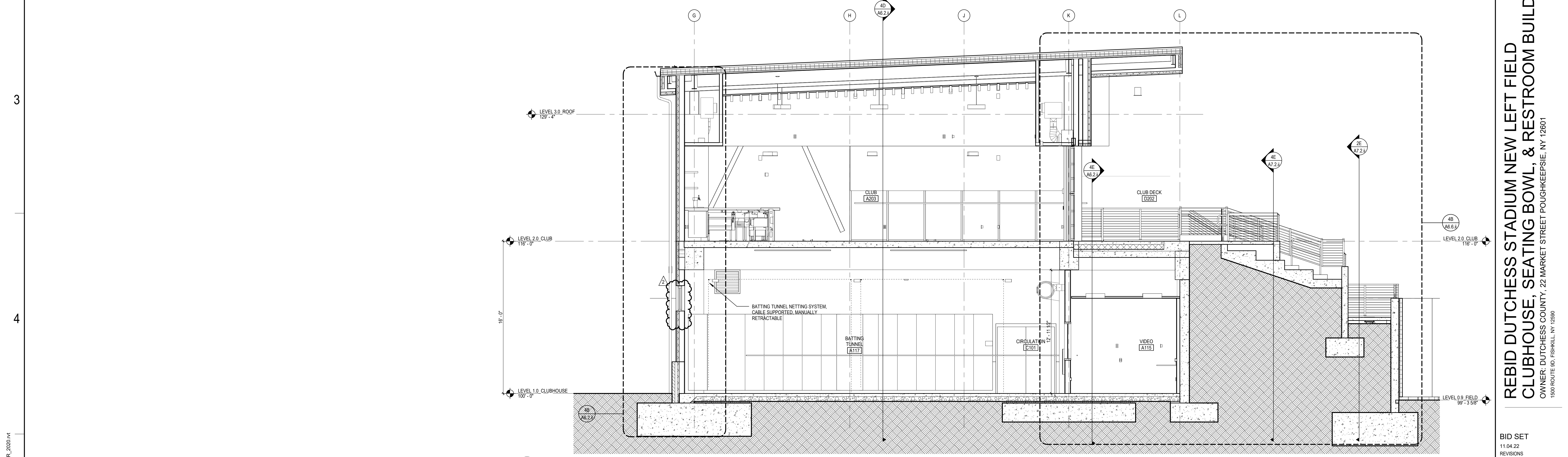
- 04.26.3 FACE BRICK
- 05.12 STRUCTURAL STEEL FRAMING
- 05.52 PIPE RAILING
- 05.73 DECORATIVE METAL RAILING
- 07.41.16 STANDING-SEAM METAL ROOF PANELS
- 07.62.2 FORMED METAL GUTTER
- 07.62.3 FORMED METAL DOWNSPOUT
- 07.62.7 FORMED METAL COPING
- 07.72 SNOW GUARDS
- 08.11 HOLLOW METAL DOOR AND FRAME, PAINT
- 08.42 ALUMINUM-FRAMED ENTRANCE
- 08.92 FIXED LOUVER
- 32.31.01 CHAIN LINK FENCE

SHEET NOTES

- 1 PAINT STEEL STRUCTURE AND FRAMES HPC-06.
- 2 BRICK LEDGE
- 3 PAINT LOUVER HPC TO MATCH WALL PANELS, TYP.



2C BUILDING SECTION - GRID LINE 6
A5.3.ii / SCALE: 1/4" = 1'-0"

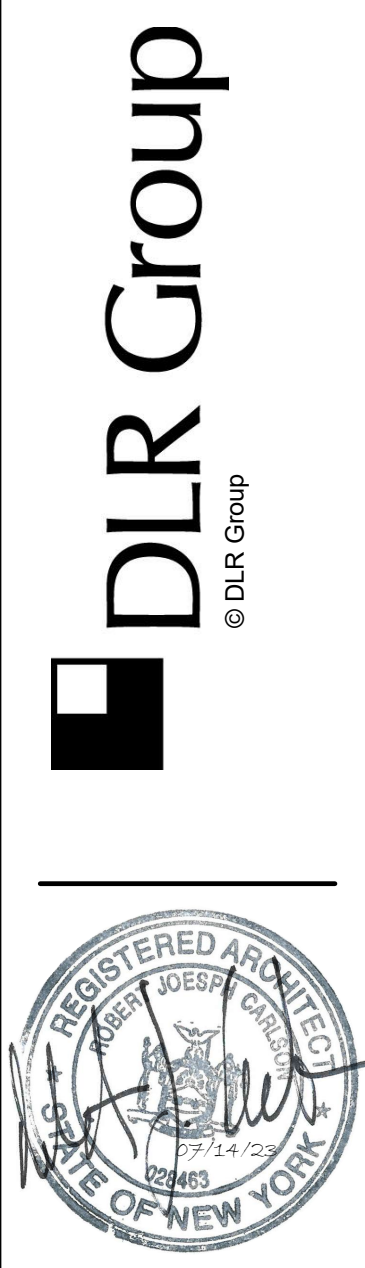


5C BUILDING SECTION - GRID LINE 12
A5.3.ii / SCALE: 1/4" = 1'-0"

REFERENCE KEYNOTES

SHEET NOTES

- 1 INFILL OR PATCH AND REPAIR CONCRETE SLAB AREA
- 2 PATCH AND REPAIR WALL
- 3 REFERENCE FINISH PLANS FOR CONCRETE JOINTING PATTERN
- 4 FULLY-GROUT COLLAR JOINT.



REBID DUTCHESS STADIUM NEW LEFT FIELD CLUBHOUSE, SEATING BOWL, & RESTROOM BUILDING
OWNER: DUTCHESS COUNTY, 22 MARKET STREET Poughkeepsie, NY 12601
1500 ROUTE 90, FISHKILL, NY 12900

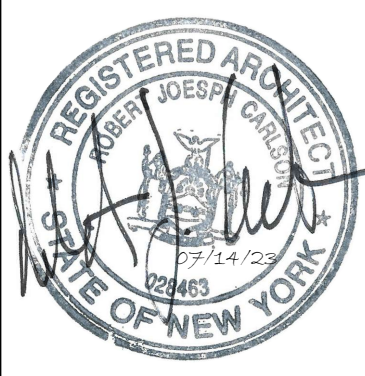
BID SET
11.04.22
REVISIONS

1	CONSTRUCTION DOCS	03.05.23
2	AS 105	07.14.23

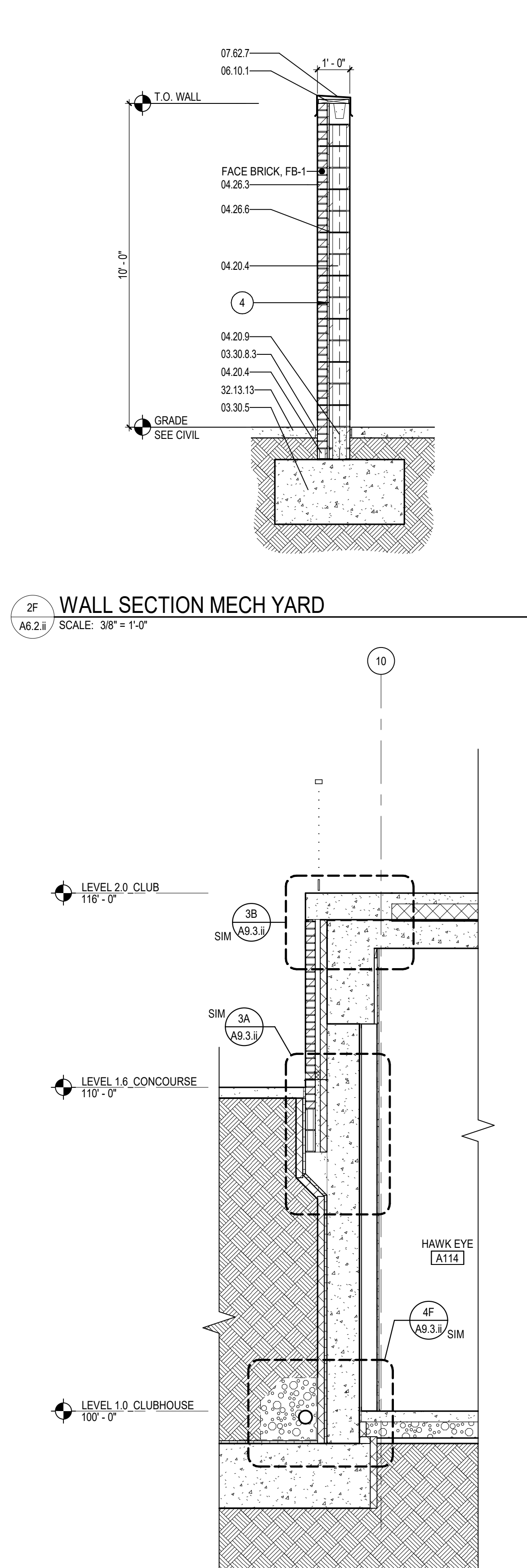
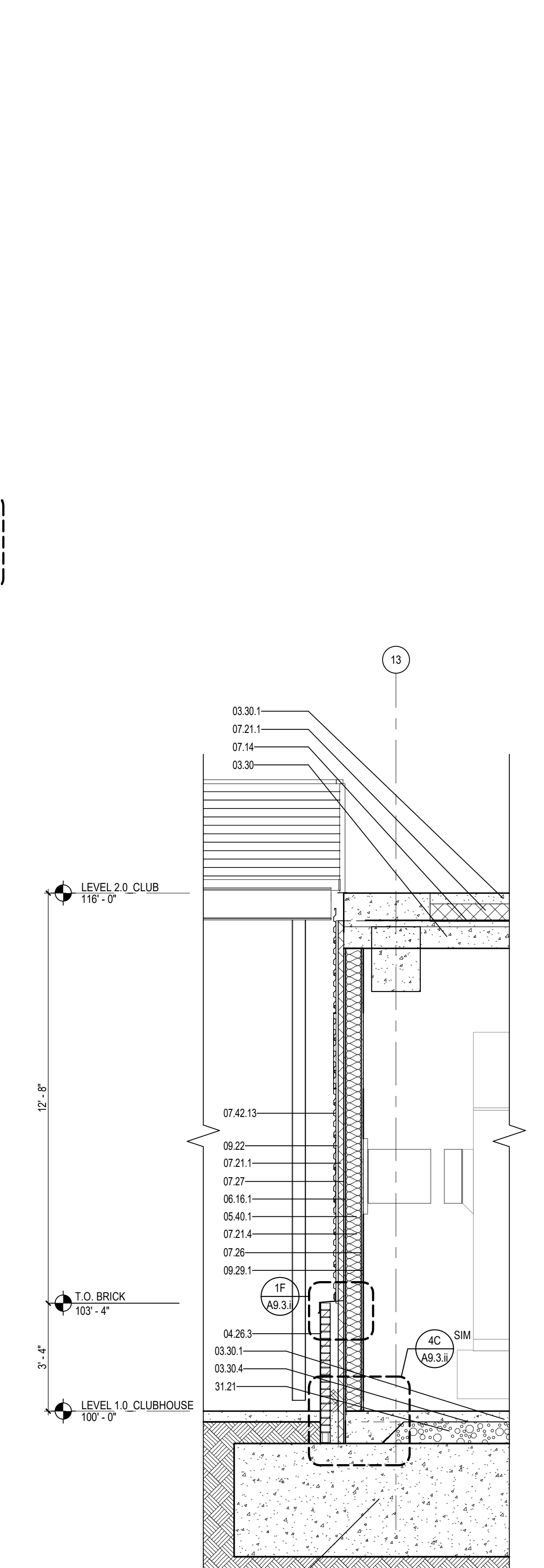
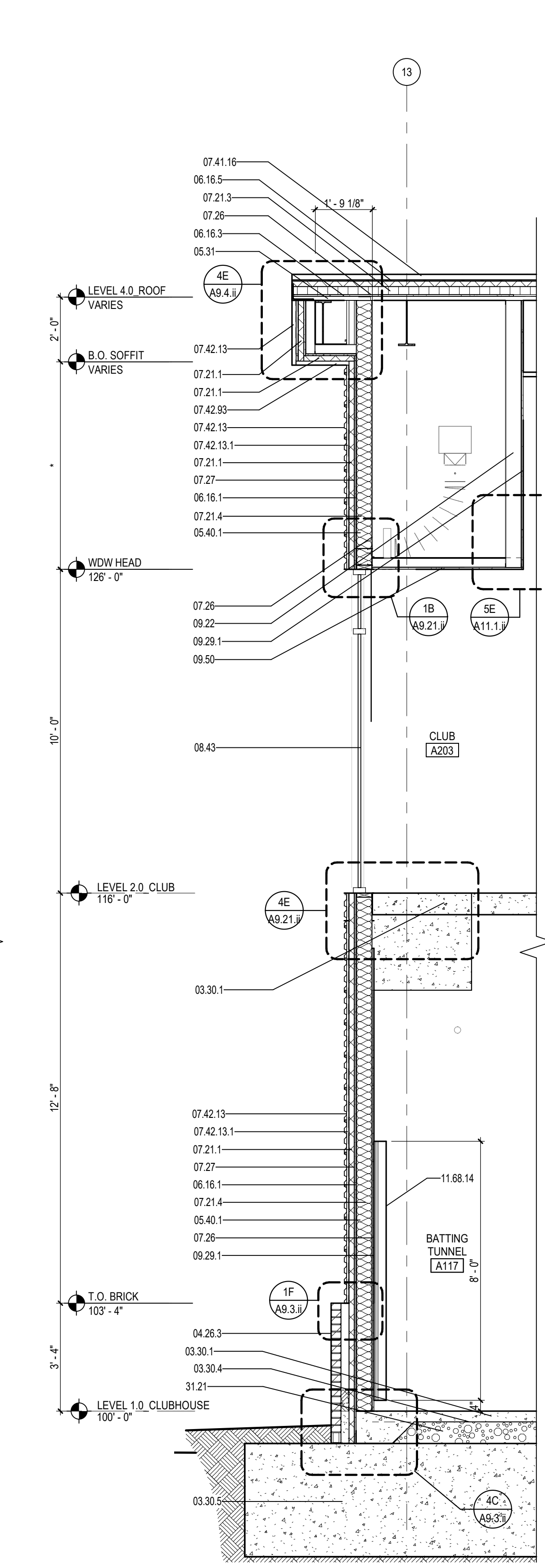
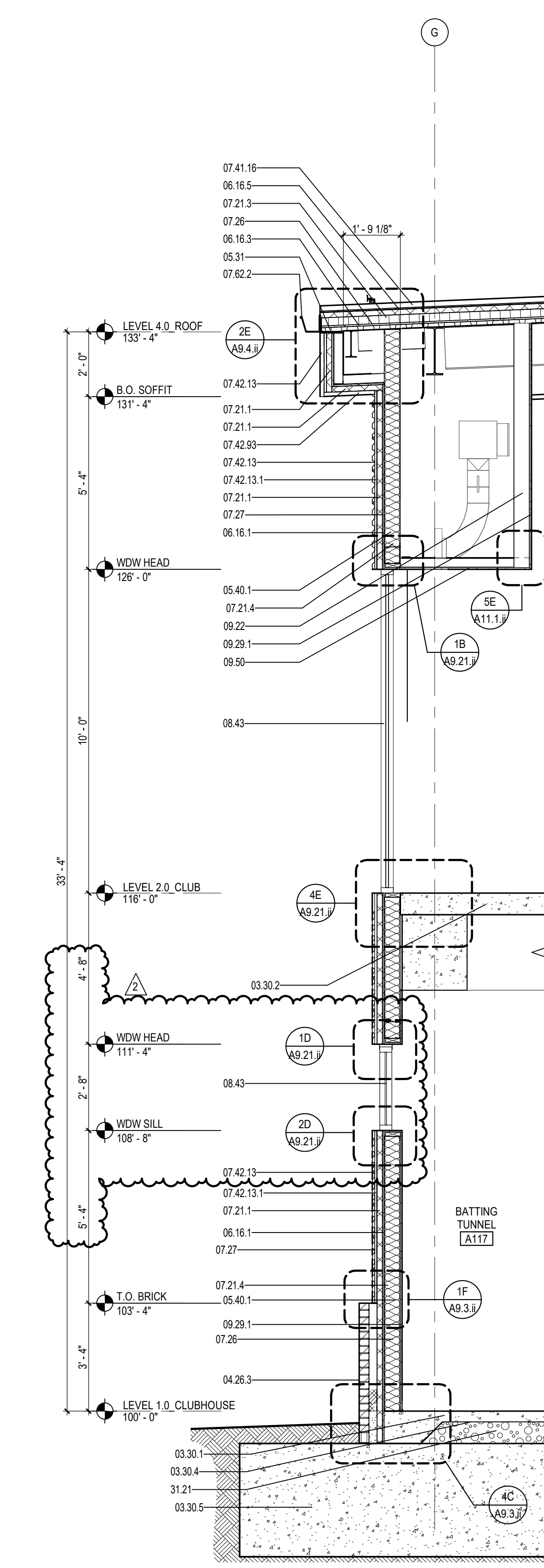
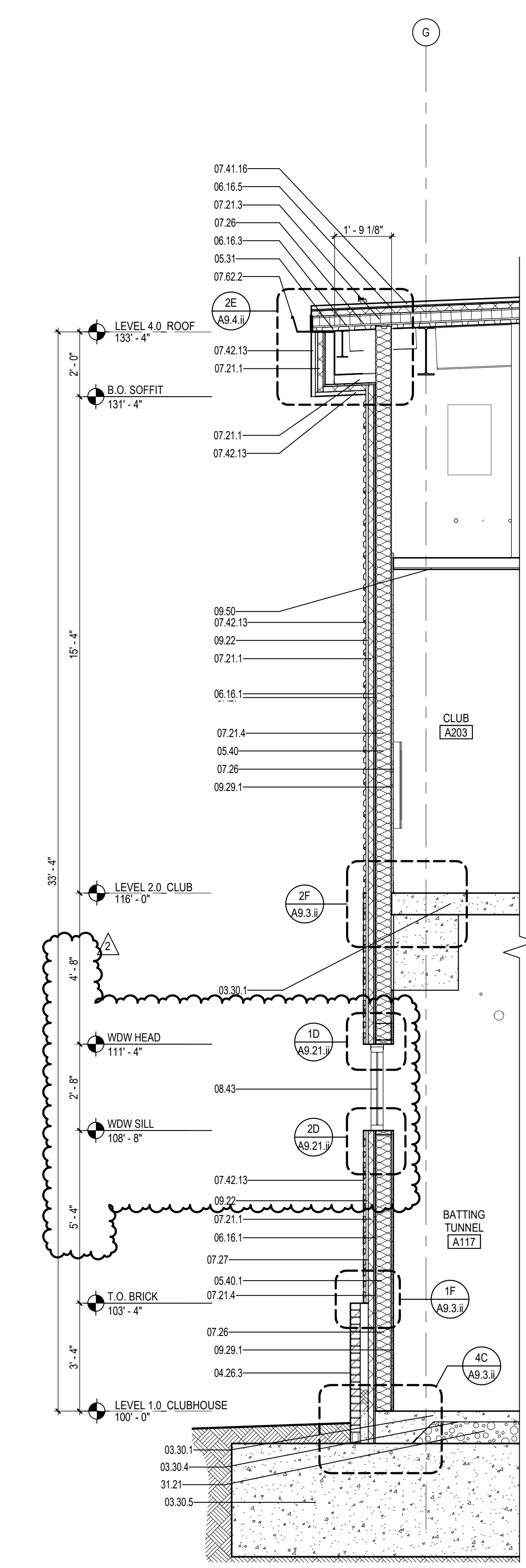
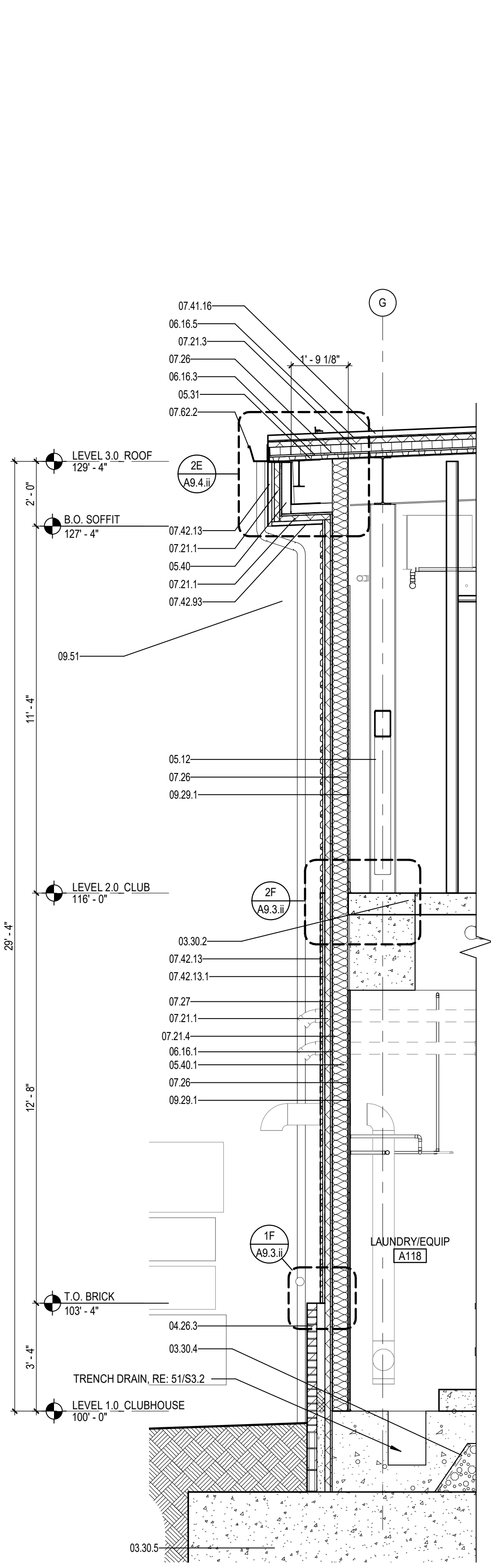
57-21113-00
BUILDING SECTIONS - OVERALL

A5.3.ii

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1
2
3
4
5



4A WALL SECTION - GRID G
A6.2.ii / SCALE: 3/8" = 1'-0"

4B WALL SECTION - GRID G
A6.2.ii / SCALE: 3/8" = 1'-0"

4C WALL SECTION - GRID G 3 base
A6.2.ii / SCALE: 3/8" = 1'-0"

4D WALL SECTION - GRID 13
A6.2.ii / SCALE: 3/8" = 1'-0"

4E WALL SECTION - GRID 13
A6.2.ii / SCALE: 3/8" = 1'-0"

4F WALL SECTION - GRID 10
A6.2.ii / SCALE: 3/8" = 1'-0"

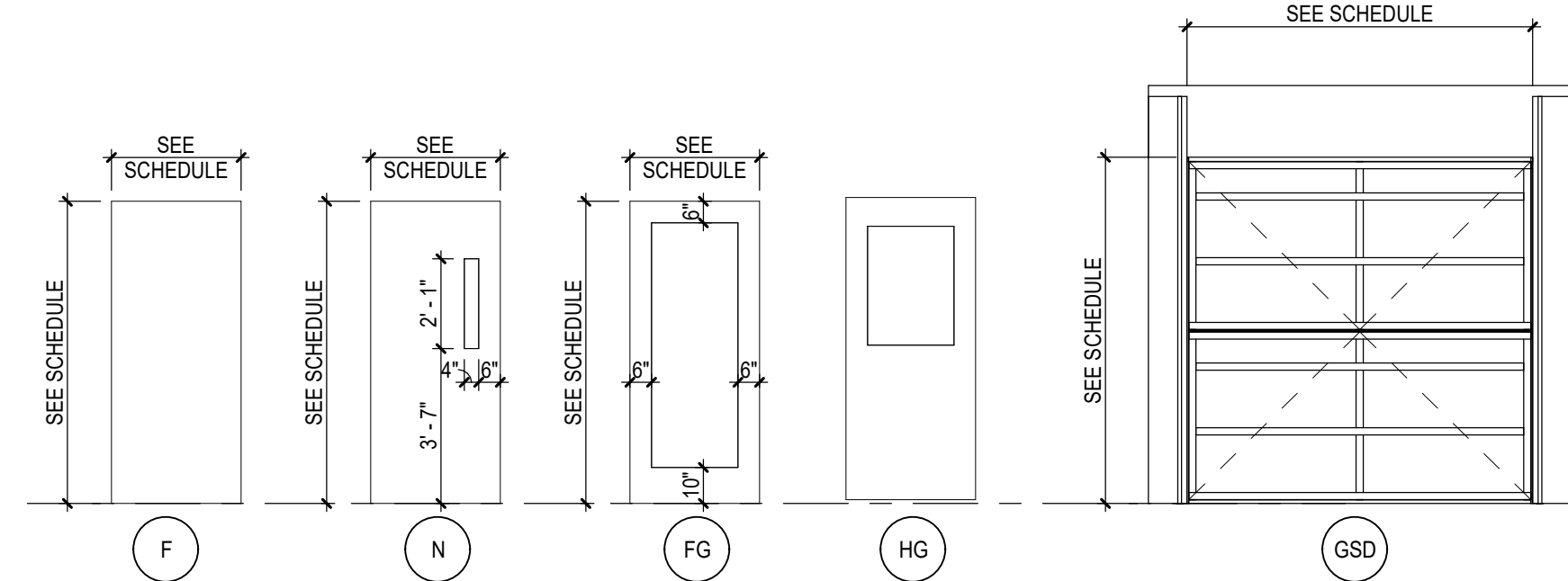
REFERENCE KEYNOTES

03.30	CAST IN PLACE CONCRETE	06.16.3	GLASS-MAT GYPSUM ROOF BOARD	09.50	CEILING
03.30.1	CAST IN PLACE CONCRETE FLOOR	06.16.5	COMPOSITE/NAL BASE INSULATED ROOF SHEATHING	09.51	ACOUSTICAL PANEL CEILING
03.30.2	CAST IN PLACE CONCRETE SLAB	07.14	FLUID-APPLIED WATERPROOFING	11.68.14	SAFETY PADDING
03.30.4	VAPOR RETARDER	07.21.1	EXTRUDED POLYSTYRENE (XPS) BOARD	31.21	DRAINAGE COURSE FOR CONCRETE
03.30.5	CAST IN PLACE CONCRETE FOOTING	07.21.3	POLYISOCYANURATE (POLYISO) BOARD	32.13.13	SLAB-ON-GRADE CONCRETE PAVING
03.30.8.3	EXPANSION JOINT FILLER STRIP	07.21.4	GLASS-FIBER BLANKET		
04.20.4	CONCRETE MASONRY UNIT	07.26	VAPOR RETARDER		
04.20.9	MASONRY MORTAR	07.27	FLUID-APPLIED MEMBRANE AIR BARRIER		
04.26.3	FACE BRICK	07.41.16	STANDING-SEAM METAL ROOF PANELS		
04.26.6	MASONRY TIES AND ANCHORS	07.42.13	FORMED METAL WALL PANELS		
05.12	STRUCTURAL STEEL FRAMING	07.42.13.1	SECONDARY METAL SUBGIRT		
05.31	STEEL DECKING	07.42.93	SOFFIT PANELS		
05.40	COLD FORMED METAL FRAMING	07.82.2	FORMED METAL GUTTER		
05.40.1	COLD FORMED METAL STUD	07.82.7	FORMED METAL COPING		
06.10.1	WOOD BLOCKING	08.43	ALUMINUM-FRAMED STOREFRONT		
06.16.1	GLASS-MAT GYPSUM WALL SHEATHING	09.22	NON STRUCTURAL METAL FRAMING		
		09.29.1	GYPSUM BOARD, TYPE X		

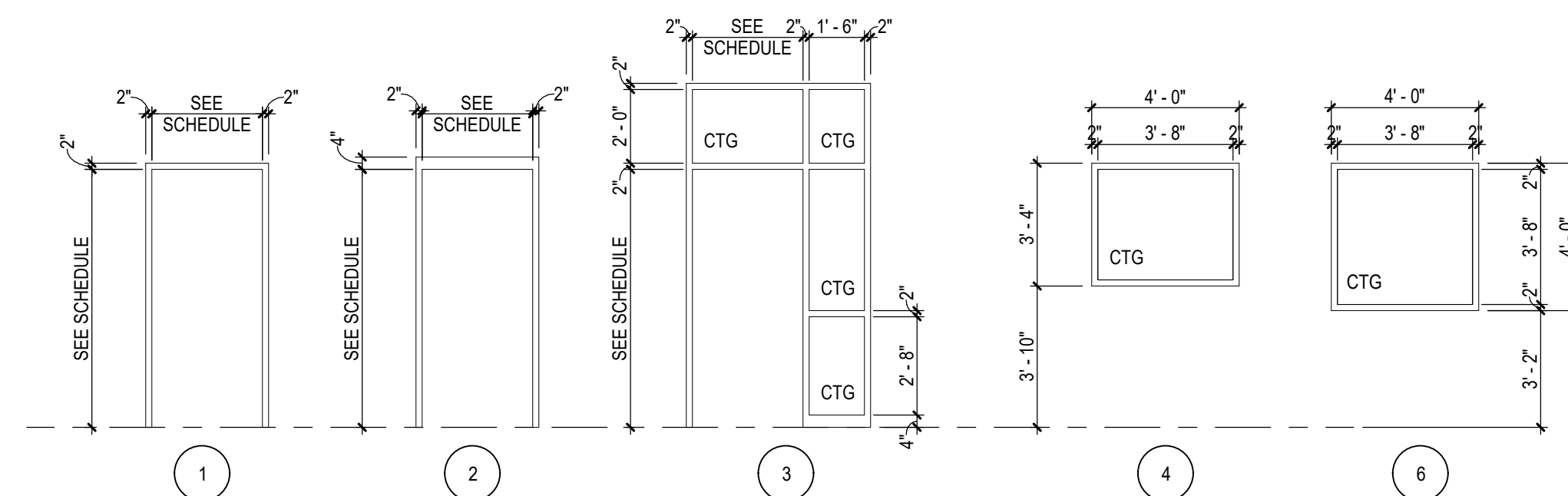
SHEET NOTES

- 1 INFILL OR PATCH AND REPAIR CONCRETE SLAB AREA
- 2 PATCH AND REPAIR WALL
- 3 REFERENCE FINISH PLANS FOR CONCRETE JOINTING PATTERN
- 4 FULLY-GROUT COLLAR JOINT.

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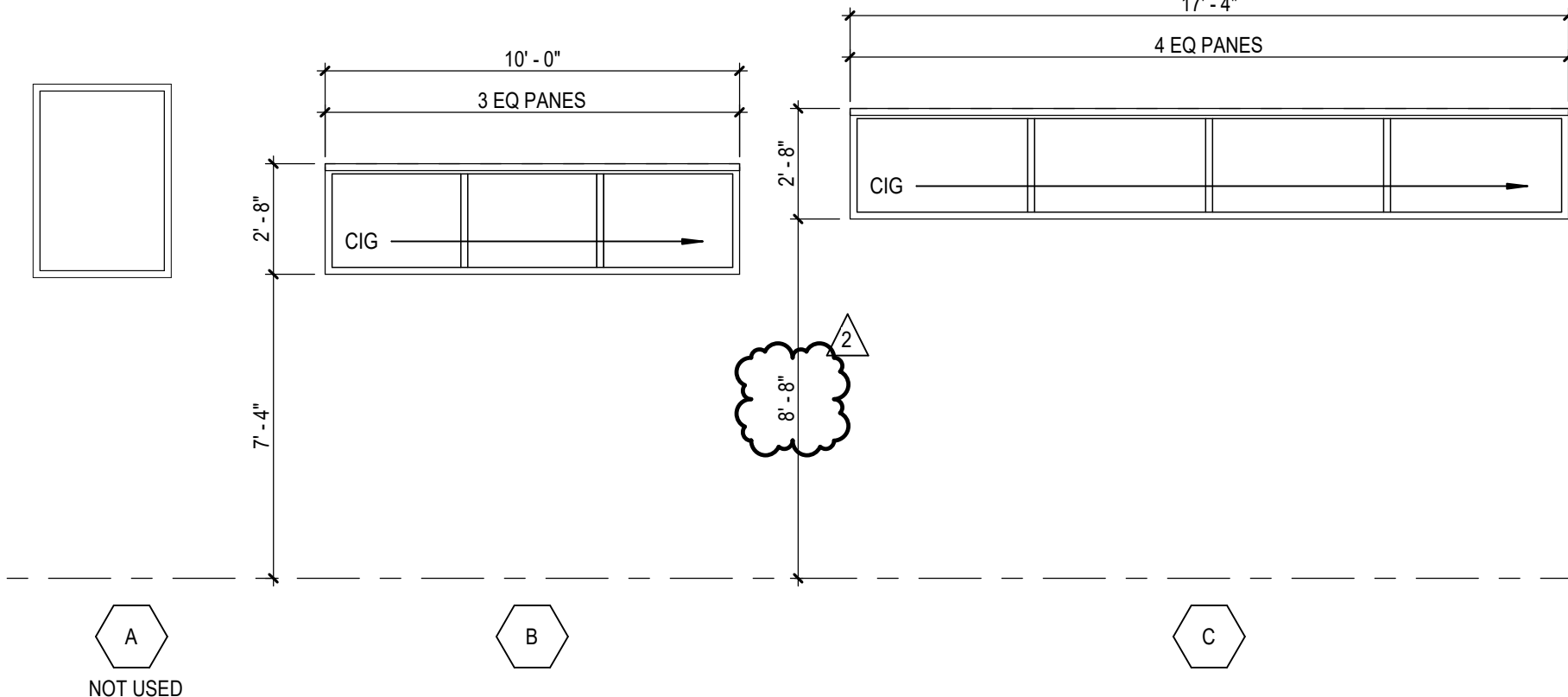


DOOR PANEL TYPES.ii

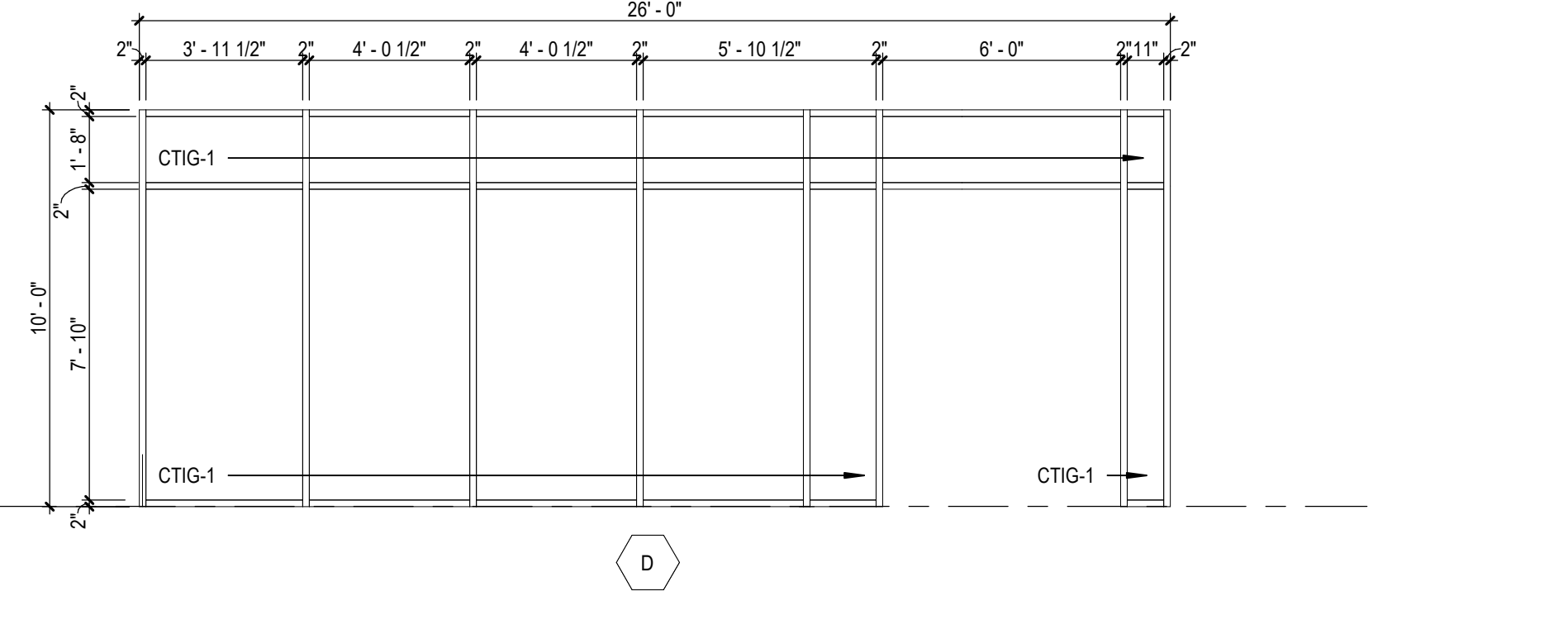


HOLLOW METAL FRAME ELEVATIONS.ii

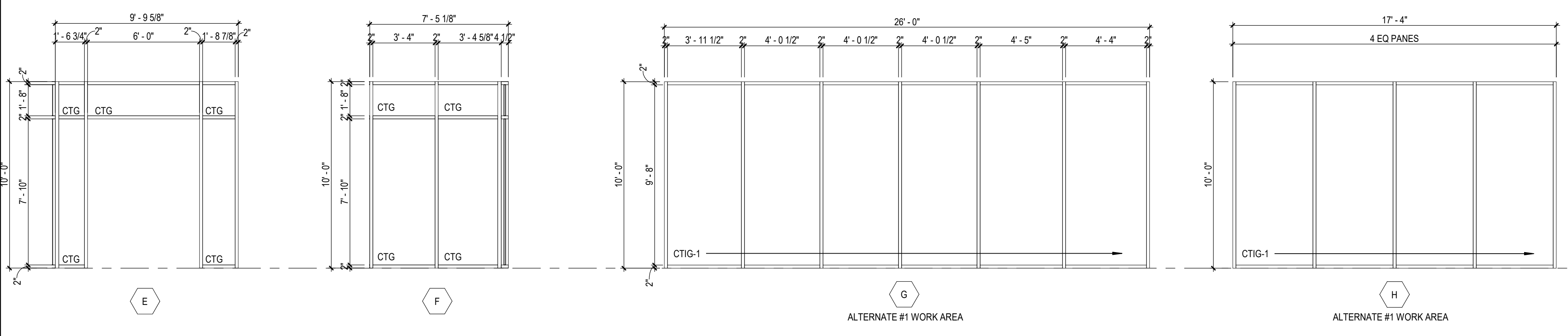
NUMBER	PANEL						FRAME		FIRE RATING	HARDWARE SET	DETAILS				COMMENTS
	NO OF PANELS	WIDTH	HEIGHT	THICKNESS	MATERIAL	GLASS	TYPE	MATERIAL			TYPE	HEAD	JAMB	JAMB	
A100A	2	3'-0"	8'-0"	1 3/4"	ALUM	CTIG-1	FG	ALUM	D	2.0	4DA9.20	2EA9.1	3DA9.21		
A100B	2	3'-0"	8'-0"	1 3/4"	ALUM	CTIG-1	FG	ALUM	E	3.1					
A101	1	3'-0"	7'-0"	1 3/4"	WD	CTG	F	HM	1	1.1	5EA11.2	5EA11.2	SCIA11.2		
A102	1	3'-0"	7'-0"	1 3/4"	HM	--	F	HM	1	22.0	5EA11.2	5EA11.2			
A103	1	3'-0"	7'-0"	1 3/4"	HM	--	F	HM	1	17.0	5EA11.2	5EA11.2			
A104	1	3'-0"	7'-0"	1 3/4"	HM	--	F	HM	1	22.0	5EA11.2	5EA11.2	4DA11.2		
A105	1	3'-0"	7'-0"	1 3/4"	HM	--	F	HM	1	19.1	5EA11.2	5EA11.2			
A106	1	3'-0"	7'-0"	1 3/4"	HM	--	F	HM	1	23.0	5EA11.2	5EA11.2	4DA11.2		
A107	1	3'-0"	7'-0"	1 3/4"	HM	--	F	HM	1	17.0	5EA11.2	5EA11.2			
A108	1	3'-4"	7'-0"	1 3/4"	WD	--	F	HM	1	18.0	5EA11.2	5EA11.2	4DA11.2		
A109	1	3'-4"	7'-0"	1 3/4"	WD	--	F	HM	1	21.0	5EA11.2	5EA11.2	4DA11.2		
A109C	1	3'-0"	7'-0"	1 3/4"	HM	--	F	HM	1	18.0	5EA11.2	5EA11.2	4DA11.2		
A110	1	3'-0"	7'-0"	1 3/4"	HM	--	F	HM	1	14.1	5EA11.2	5EA11.2	4DA11.2		
A111	1	3'-0"	7'-0"	1 3/4"	HM	--	F	HM	1	12.0	5EA11.2	5EA11.2	4DA11.2		
A111B	1	3'-0"	7'-0"	1 3/4"	HM	--	F	HM	1	23.0	5EA11.2	5EA11.2	4DA11.2		
A112A	1	3'-0"	7'-0"	1 3/4"	HM	--	F	HM	1	12.0	5EA11.2	5EA11.2	4DA11.2		
A112B	2	3'-0"	7'-0"	1 3/4"	WD	--	F	HM	1	7.1	5EA11.2	5EA11.2			
A112C	2	3'-0"	7'-0"	1 3/4"	HM	--	F	HM	1	8.1	5EA11.2	5EA11.2			
A113	1	3'-0"	7'-0"	1 3/4"	HM	--	F	HM	1	15.1	5EA11.2	5EA11.2			
A114	1	4'-0"	7'-0"	1 3/4"	HM	--	F	HM	1	23.0	5EA11.2	5EA11.2			
A115	1	3'-0"	7'-0"	1 3/4"	HM	--	F	HM	1	23.0	5EA11.2	5EA11.2			
A116	2	3'-0"	7'-0"	1 3/4"	HM	--	F	HM	1	5.0	1AA9.20	2AA9.20	2BA9.20	4AA9.20	NOTE: 6
A116A	2	3'-0"	7'-0"	1 3/4"	HM	--	F	HM	1	8.1	5EA11.2	5EA11.2			
A116B	1	3'-0"	7'-0"	1 3/4"	HM	--	F	HM	1	14.0	5EA11.2	5EA11.2			
A118	2	3'-0"	7'-0"	1 3/4"	HM	--	F	HM	1	25.0	5EA11.2	5EA11.2	4DA11.2		
A119B	1	4'-0"	7'-0"	1 3/4"	HM	--	F	HM	1	11.0	5EA11.2	5EA11.2	4DA11.2		
A119C	1	4'-0"	7'-0"	1 3/4"	HM	--	F	HM	1	11.0	5EA11.2	5EA11.2			
A119D	1	3'-4"	7'-0"	1 3/4"	HM	--	F	HM	1	13.0	5EA11.2	5EA11.2	4DA11.2		
A119E	1	4'-0"	7'-0"	1 3/4"	HM	--	F	HM	1	24.0	1AA9.20	2AA9.20	2BA9.20	4AA9.20	NOTE: 6
A202	2	3'-0"	7'-0"	1 3/4"	WD	--	F	HM	1	7.0	5EA11.2	5EA11.2	4DA11.2		NOTE: 1
A202A	1	3'-0"	7'-0"	1 3/4"	HM	--	F	HM	1	14.0	5EA11.2	5EA11.2			NOTE: 1
A202B	1	4'-0"	7'-0"	1 3/4"	HM	--	F	HM	1	14.0	5EA11.2	5EA11.2	4DA11.2		NOTE: 1
A202C	2	3'-0"	7'-0"	1 3/4"	HM	--	F	HM	1	8.0	5EA11.2	5EA11.2	4DA11.2		NOTE: 1
A203A	2	3'-0"	8'-0"	1 3/4"	ALUM	CTIG-2	FG	ALUM	L	3.0	1FA9.21	3EA9.2	17A9.21	3FA9.21	NOTE: 1
A203B	2	3'-0"	8'-0"	1 3/4"	ALUM	CTIG-2	FG	ALUM	K	3.0	1FA9.21	3EA9.2	4CA9.21	3FA9.21	NOTE: 1
A203C					ALUM	CTIG-1	GSD				1EA9.21	3FA9.2	2EA9.21	NOTE: 1	
A203D					ALUM	CTIG-1	GSD				1EA9.21	3FA9.2	2EA9.21	NOTE: 1	
A203E					ALUM	CTIG-1	GSD				1EA9.21	3FA9.2	3EA9.2	2EA9.21	NOTE: 1
A203F					ALUM	CTIG-1	GSD				1EA9.21	3FA9.2	3EA9.2	2EA9.21	NOTE: 1
A204A	2	3'-0"	7'-0"	1 3/4"	WD	--	F	HM	1	9.0	5EA11.2	5EA11.2			NOTE: 1
A204B	1	3'-0"	7'-0"	1 3/4"	HM	--	F	HM	1	20.0	5EA11.2	5EA11.2			NOTE: 1
A205	1	3'-0"	7'-0"	1 3/4"	HM	--	F	HM	1	19.0	5EA11.2	5EA11.2	4DA11.2		NOTE: 1
A207	1	3'-0"	7'-0"	1 3/4"	HM	--	F	HM	1	15.0	5EA11.2	5EA11.2	4DA11.2		NOTE: 1
A208	1	3'-0"	7'-0"	1 3/4"	HM	--	F	HM	1	19.0	5EA11.2	5EA11.2	4DA11.2		NOTE: 1
A250	1	3'-0"	7'-0"	1 3/4"	HM	--	F	HM	2	19.0	1EA9.20	2EA9.20	2EA9.20	4AA9.20	NOTES: 3, 6
A251	1	3'-0"	7'-0"	1 3/4"	HM	--	F	HM	2	19.0	1EA9.20	2EA9.20	2EA9.20	4AA9.20	NOTES: 3, 6
A252	1	3'-0"	7'-0"	1 3/4"	HM	--	F	HM	2	15.0	1EA9.20	2EA9.20	2EA9.20	4AA9.20	NOTES: 3, 6
A253	1	3'-0"	7'-0"	1 3/4"	HM	--	F	HM	2	14.0	1EA9.20	2EA9.20	2EA9.20	4AA9.20	NOTES: 3, 6
C101	1	3'-8"	7'-0"	1 3/4"	WD	CTG	N	HM	1	11.0	5EA11.2	5EA11.2	4DA11.2		
C102	1	4'-0"	7'-0"	1 3/4"	HM	--	F	HM	1	24.0	1DA9.20	2DA9.20	2DA9.20	5AA9.20	NOTE: 1
C202A	2	3'-0"	8'-0"	1 3/4"	ALUM	CTIG-2	FG	ALUM	M	3.2	1FA9.21	1DA9.2	5DA9.21	2FA9.21	NOTE: 1
C202B	2	3'-0"	8'-0"	1 3/4"	ALUM	CTIG-2	FG	ALUM	N	1.0					NOTE: 1
E101	1	3'-0"	7'-0"	1 3/4"	HM	--	F	HM	1	45 MIN	14.1				NOTE: 1



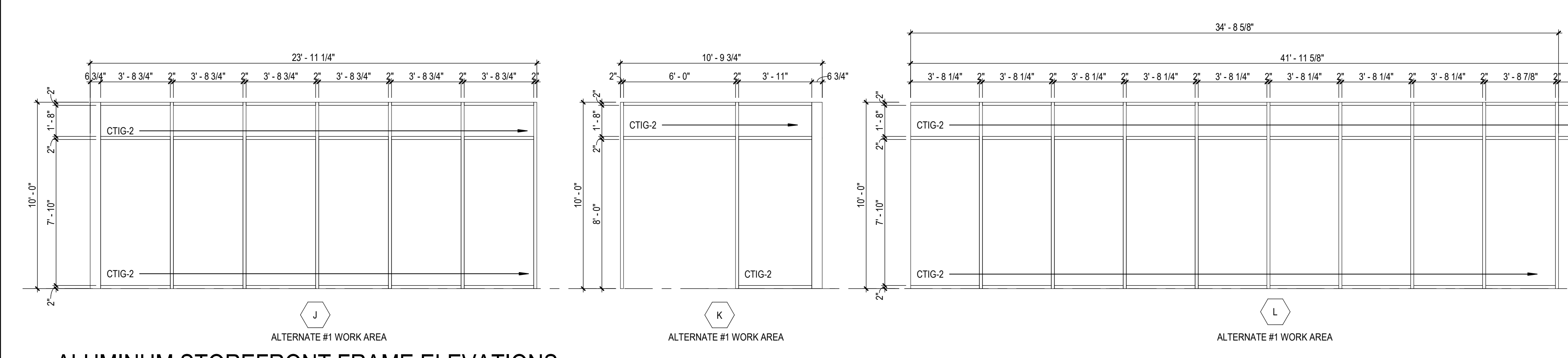
ALUMINUM STOREFRONT FRAME ELEVATIONS



ALUMINUM STOREFRONT FRAME ELEVATIONS



ALUMINUM STOREFRONT FRAME ELEVATIONS



ALUMINUM STOREFRONT FRAME ELEVATIONS

INTERIOR WINDOW SCHEDULE								
TYPE	FRAME			FIRE RATING	DETAILS			COMMENTS
	DEPTH	MATERIAL	GLASS		HEAD	JAMB LEFT	JAMB RIGHT	
4	8 1/4"	HM	--	SCIA11.2	SCIA11.2	SCIA11.2	SCIA11.2	
6	8 1/4"	HM	--	SCIA11.2	SCIA11.2	SCIA11.2	SCIA11.2	

EXTERIOR WINDOW SCHEDULE								
TYPE	FRAME			FIRE RATING	DETAILS			COMMENTS
	DEPTH	MATERIAL	GLASS		HEAD	JAMB LEFT	JAMB RIGHT	
B	4 1/2"	ALUM	--		3AA9.21			4AA9.21
C	4 1/2"	ALUM	--		3AA9.21			4AA9.21
D	4 1/2"	ALUM	--		4FA9.21	2EA9.1		3DA9.21
E	4 1/2"	ALUM	--				4DA9.21	
F	4 1/2"	ALUM	--				4CA9.21	
G	4 1/2"	ALUM	--		1BA9.21	1EA9.2	1FA9.2	5EA9.21
H	4 1/2"	ALUM	--		1BA9.21	1BA9.21		5EA9.21
J	4 1/2"	ALUM	--		1BA9.21			5EA9.21
K	4 1/2"	ALUM	--		1FA9.21		3EA9.2	2FA9.21
L	4 1/2"	ALUM	--		1FA9.21	5DA9.21	3EA9.2	2FA9.21
M	4 1/2"	ALUM	--		1FA9.21	1DA9.2	5DA9.21	2FA9.21
N	4 1/2"	ALUM	--		1AA9.21			3CA9.3

DOOR PANEL TYPE DESCRIPTIONS

- DG DUAL LITE GLASS
- F FLUSH PANEL
- FG FULL LITE GLASS
- FL FULL LOUVERED
- G HALF LITE GLASS
- GL HALF LITE GLASS & LOUVERED
- GSD GLASS SECTIONAL DOOR
- L LOUVERED (BOTTOM)
- LL LOUVERED (TOP & BOTTOM)
- N NARROW LITE GLASS
- NL NARROW LITE GLASS & LOUVERED
- OVHD OVERHEAD
- TL LOUVERED (TOP)
- V VISION LITE GLASS (10" SQUARE)
- VL VISION LITE GLASS & LOUVERED

GLAZING TYPE DESCRIPTIONS

- CG CLEAR FLOAT GLASS
- CI CLEAR INSULATING GLASS
- CTG CLEAR TEMPERED FLOAT GLASS
- GI GLASS
- IIP INSULATED INFILL PANEL GLASS
- ILG INSULATING LAMINATED GLASS
- L LOUVERED (BOTTOM)
- LG LAMINATED GLASS
- PG PATTERN GLASS
- PIG PATTERN INSULATING GLASS
- SG SPANDREL GLASS
- TFG TINTED FLOAT GLASS
- TG TEMPERED GLASS
- TIG TINTED INSULATING GLASS
- TTG TINTED TEMPERED FLOAT GLASS
- TTIG TINTED TEMPERED INSULATING GLASS

DOOR AND FRAME SCHEDULE GENERAL NOTES

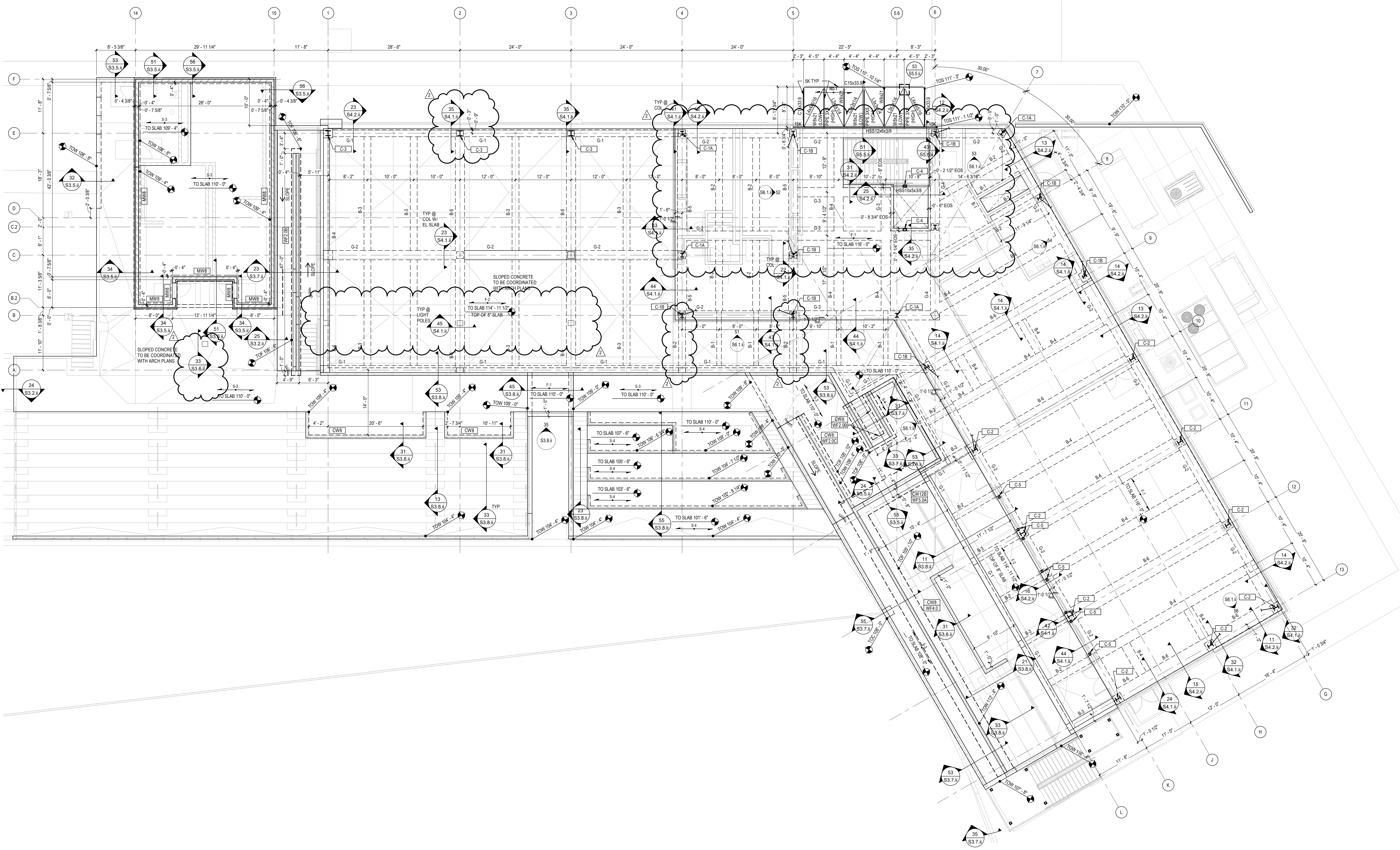
- A. ALL EXTERIOR HOLLOW METAL FRAMES SHALL BE FILLED WITH INSULATION.
- B. ALL INTERIOR HOLLOW METAL FRAMES SET IN MASONRY AND CONCRETE WALLS SHALL BE GROUTED SOLID.
- C. ALL HOLLOW METAL FRAMES SET IN METAL STUD WALLS SHALL BE FILLED WITH MINERAL WOOL BLANKET INSULATION.
- D. ALL EXTERIOR FRAMES SHALL BE INSTALLED WITH 1/4" SHIM AND SEALANT AROUND PERIMETER OF FRAME.
- E. MASONRY LINTELS AND STEEL LINTELS ARE SHOWN ON STRUCTURAL DRAWINGS.
- F. GLASS TYPES FOR DOORS ARE INDICATED IN THE DOOR GLAZING COLUMN OF THE DOOR AND FRAME SCHEDULE. GLASS TYPES FOR FRAMES ARE INDICATED ON THE FRAME ELEVATIONS.
- G. FOR COILING DOORS, GRILLES AND SECTIONAL DOORS, WIDTH AND HEIGHT DIMENSIONS SHOWN IN DOOR AND FRAME SCHEDULE REPRESENT FINISHED OPENING SIZE. CONTRACTOR TO COORDINATE EXACT SIZE OF DOOR WITH MANUFACTURER.
- H. FRAME MANUFACTURER SHALL COORDINATE LOCATIONS OF ALL CONCEALED CONDUIT AND J-BOXES REQUIRED FOR SECURITY SYSTEM HARDWARE PRIOR TO MANUFACTURING OF HOLLOW METAL FRAMES AND COORDINATE WITH SECURITY HARDWARE AND DEVICES.

DOOR AND FRAME SCHEDULE NOTES

1. DELETE FROM PROJECT UPON ACCEPTANCE OF ALTERNATE NO. 1
2. DELETE FROM PROJECT UPON ACCEPTANCE OF ALTERNATE NO. 2
3. DELETE FROM PROJECT UPON ACCEPTANCE OF ALTERNATE NO. 3
4. EXISTING DOOR AND FRAME TO REMAIN, REPLACE HANDLE HARDWARE ONLY.
5. EXISTING DOOR, FRAME, AND HARDWARE TO REMAIN.
6. PAINT DOOR HPC TO MATCH ADJACENT WALL PANELS.

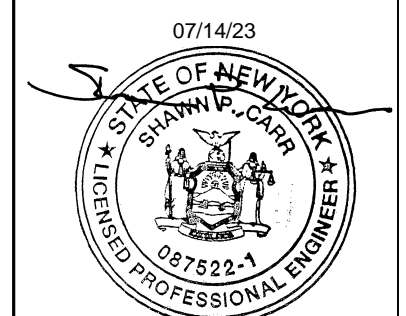
FRAMING PLAN NOTES

1. TOP OF STEEL ELEVATION ARE SHOWN ON PLANS. TOP OF STEEL NOT SPECIFICALLY NOTED ON THE PLANS SHALL BE LINEARLY INTERPOLATED FROM TOP OF STEEL NOTED ON THE PLANS.
2. REFER TO ARCHITECTURAL DRAWINGS FOR OVERALL BUILDING GEOMETRY, WALL LOCATIONS, AND ADDITIONAL PARTITION WALL REQUIREMENTS.
3. COORDINATE ALL SLAB OPENINGS AND PENETRATIONS WITH MECHANICAL DRAWINGS. REINFORCE FLOOR PER TYPICAL DETAILS.
4. REACTIONS SHOWN AT THE END OF BEAMS AND JOISTS ARE MINIMUM FACTORED LOAD REACTIONS.
5. COORDINATE ALL ROOF OPENINGS AND PENETRATIONS WITH MEP DRAWINGS. PROVIDE ADDITIONAL FRAMING PER TYPICAL DETAILS.
6. ALL HSS MEMBERS SHALL HAVE 1/4" CAP PLATES AT EACH END, TYPICAL.
7. ALL EXTERIOR EXPOSED STEEL (IN UNCONDITIONED SPACE) SHALL BE HOT DIP GALVANIZED.



1
2
3
4
5

FLOOR FRAMING PLAN, LEVEL 02
SCALE: 1/8" = 1'-0"



Warning: It is a violation of the law for any person, unless acting under the direction of a licensed Design Professional, to alter an item in any way.

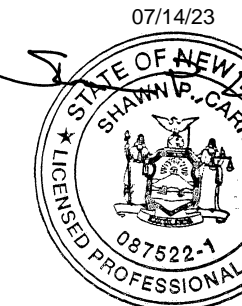
REBID DUTCHESS STADIUM NEW LEFT FIELD CLUBHOUSE, SEATING BOWL, & RESTROOM BUILDING
OWNER: DUTCHESS COUNTY, 22 MARKET STREET POUGHKEEPSIE, NY 12601
1500 ROUTE 90, FISHKILL, NY 12530

BID SET
11.04.22
REVISIONS
1 CONSTRUCTION DOCS 03.06.23
2 ASH/05 07.14.23

57-21113-00
FLOOR FRAMING PLAN

S2.1.ii

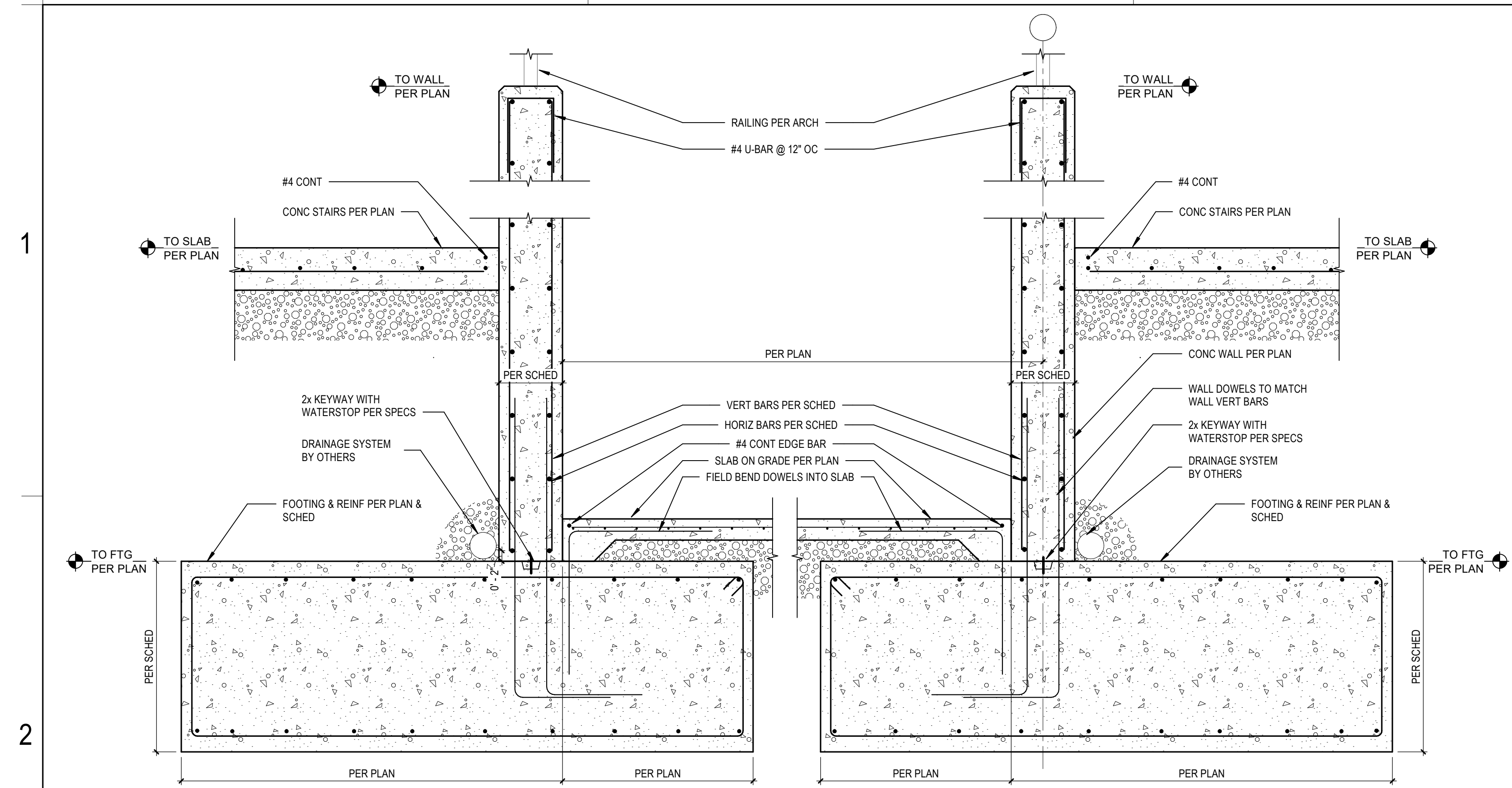
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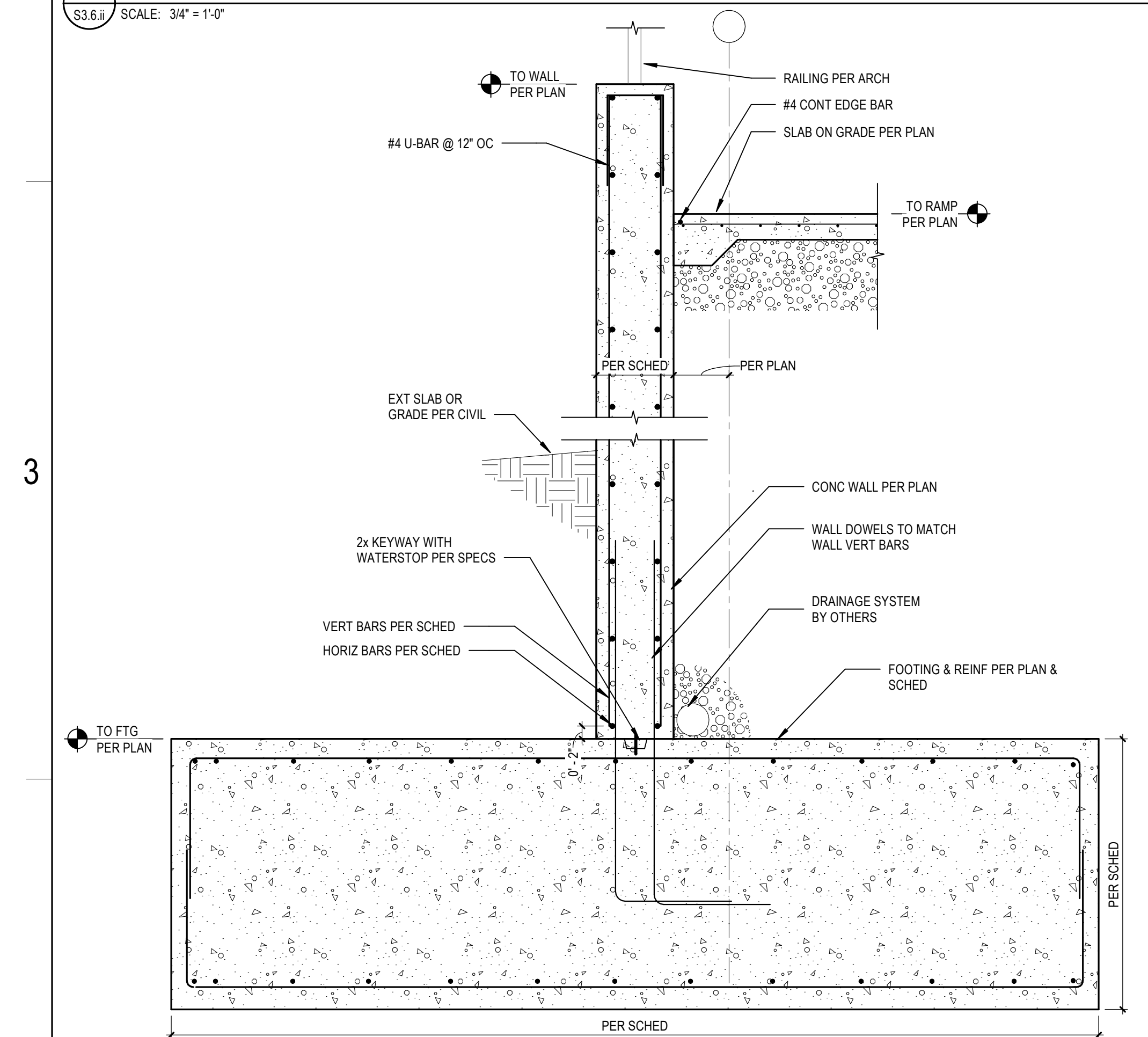
Warning: It is a violation of the law for any person, unless acting under the direction of a licensed Design Professional, to alter an Item in any way.

BID SET
11.04.22
REVISIONS
1 CONSTRUCTION DOCS 03.06.23
2 ASH/BS 07.14.23

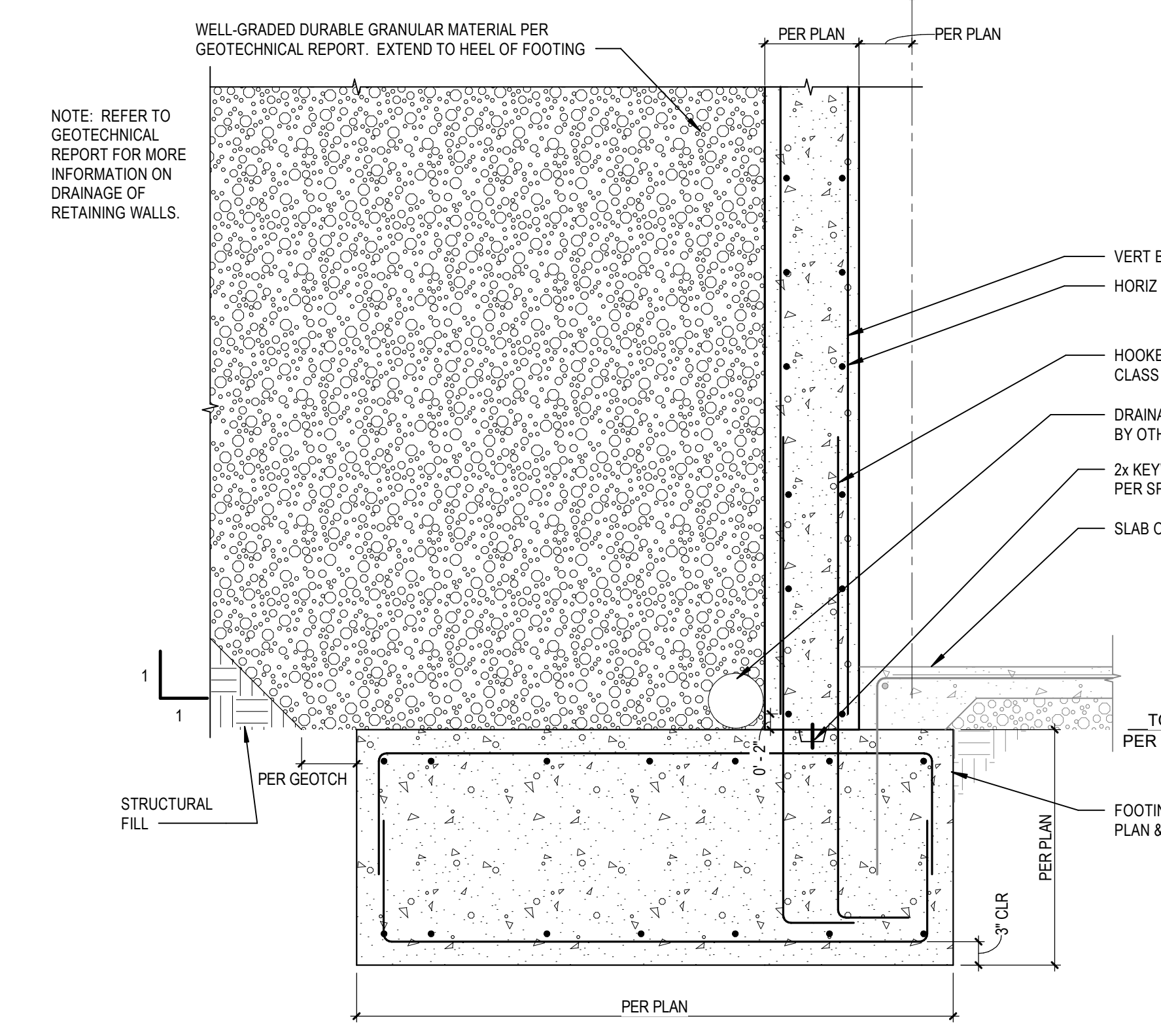
57-21113-00
FOUNDATION SECTIONS



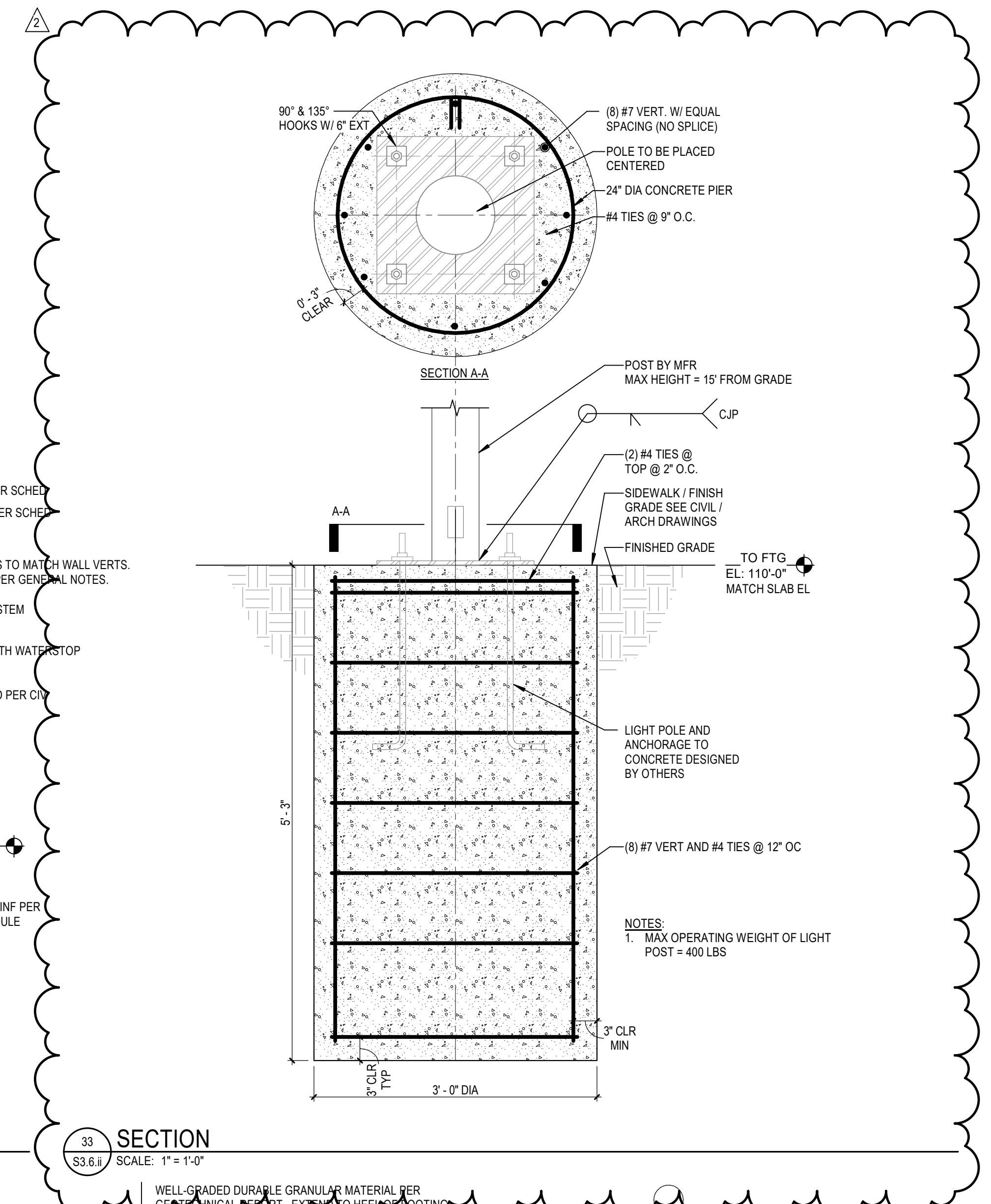
SECTION 21
SCALE: 3/4" = 1'-0"



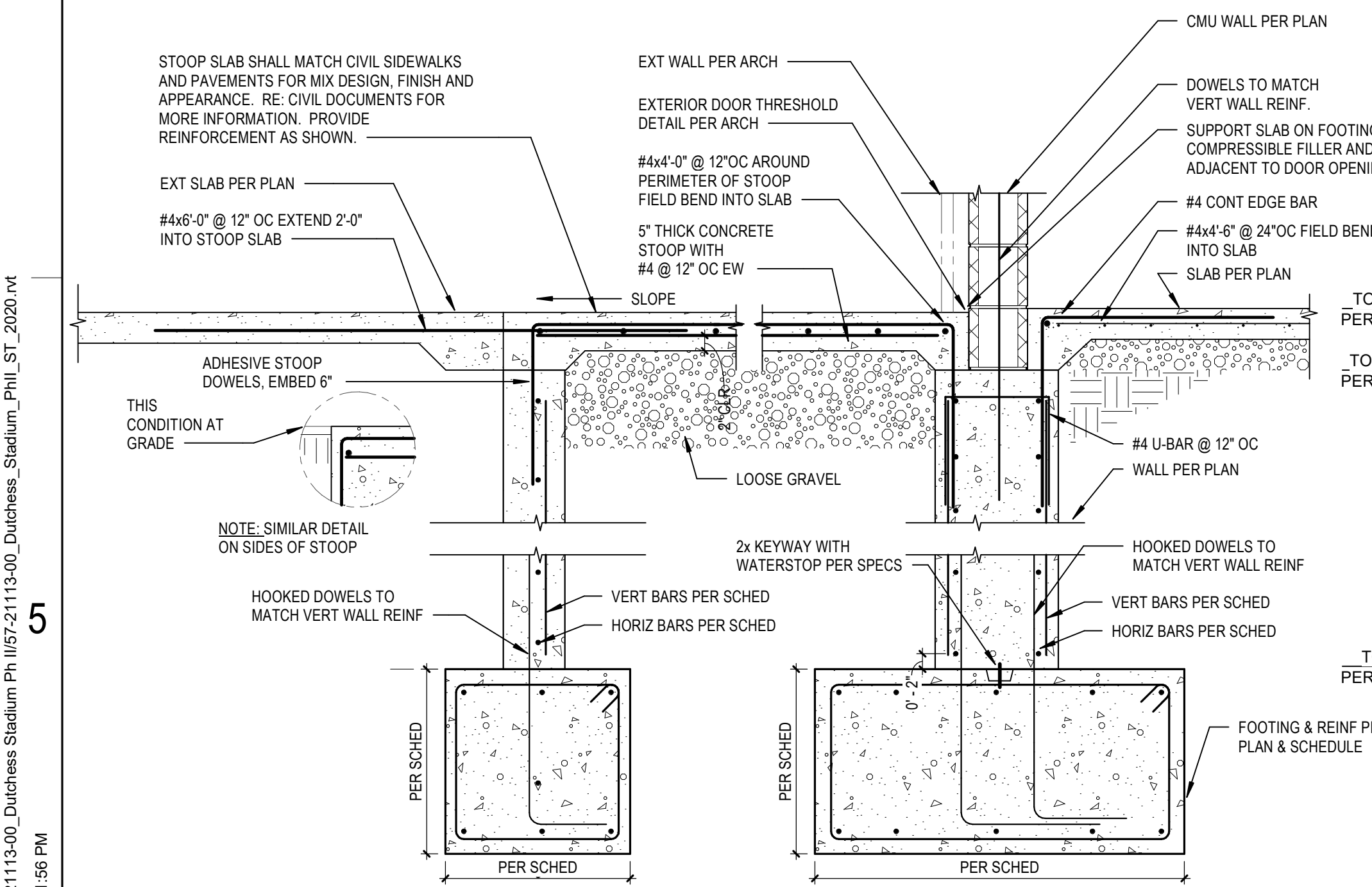
SECTION 31
SCALE: 3/4" = 1'-0"



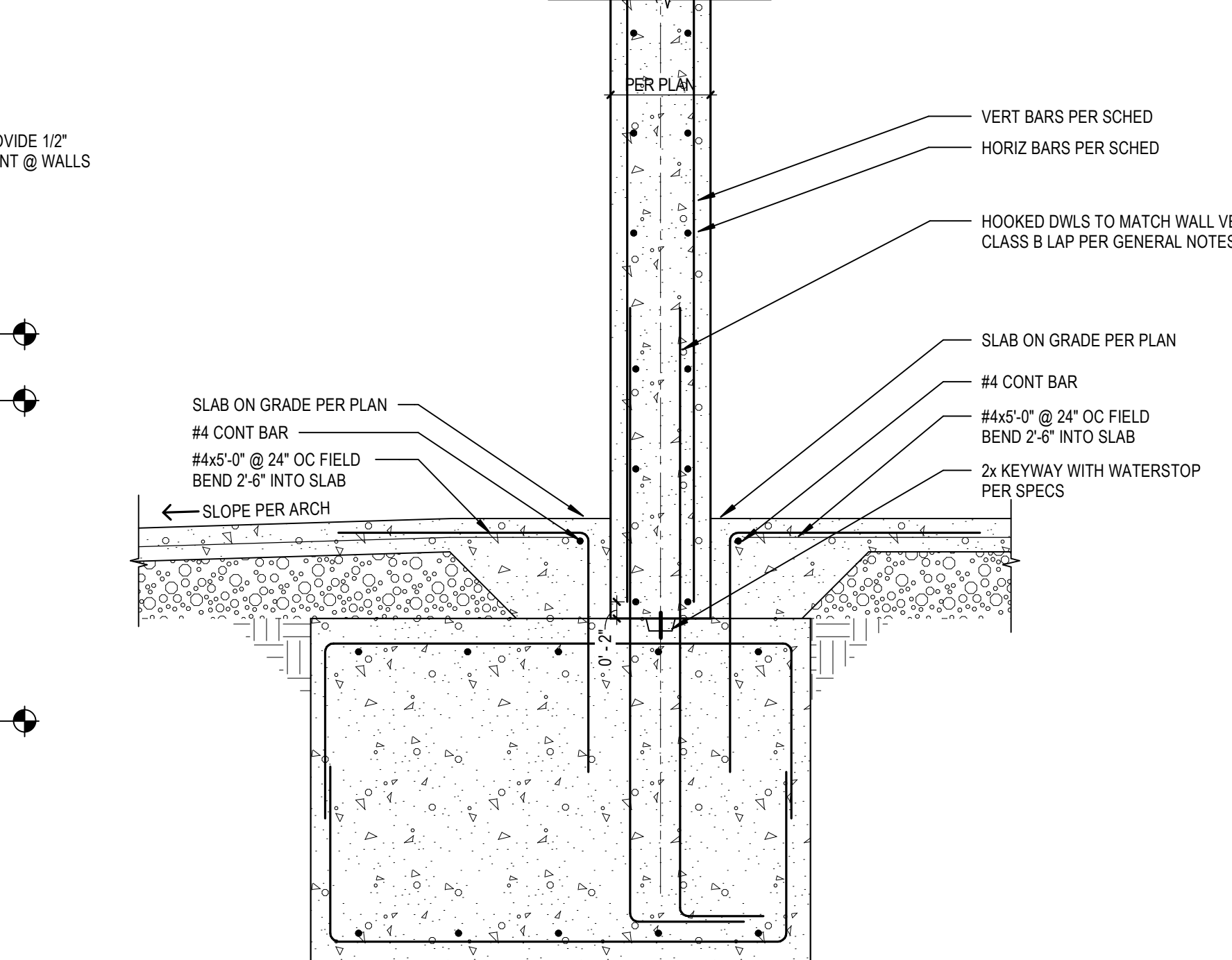
SECTION 32
SCALE: 3/4" = 1'-0"



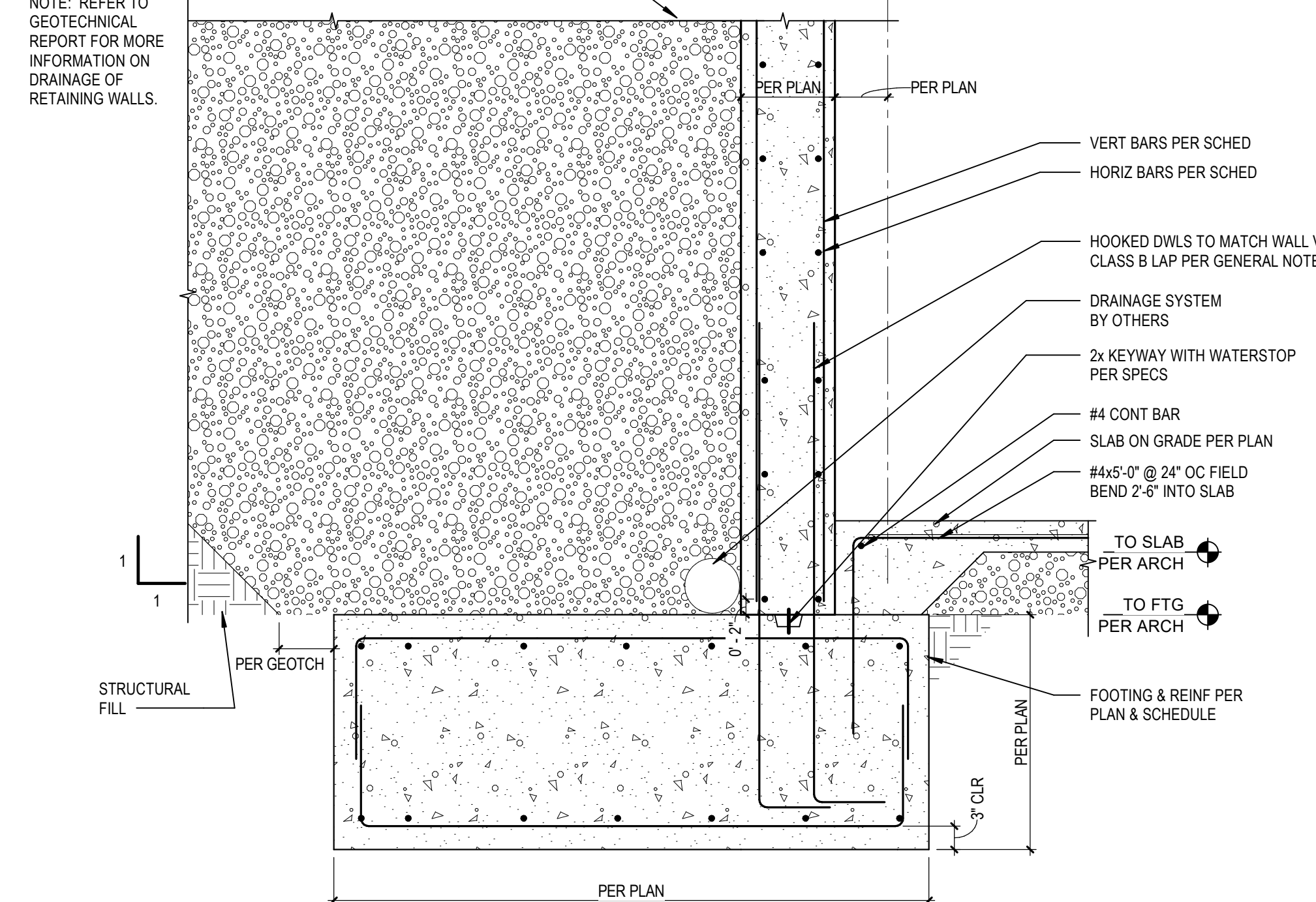
SECTION 33
SCALE: 1" = 1'-0"



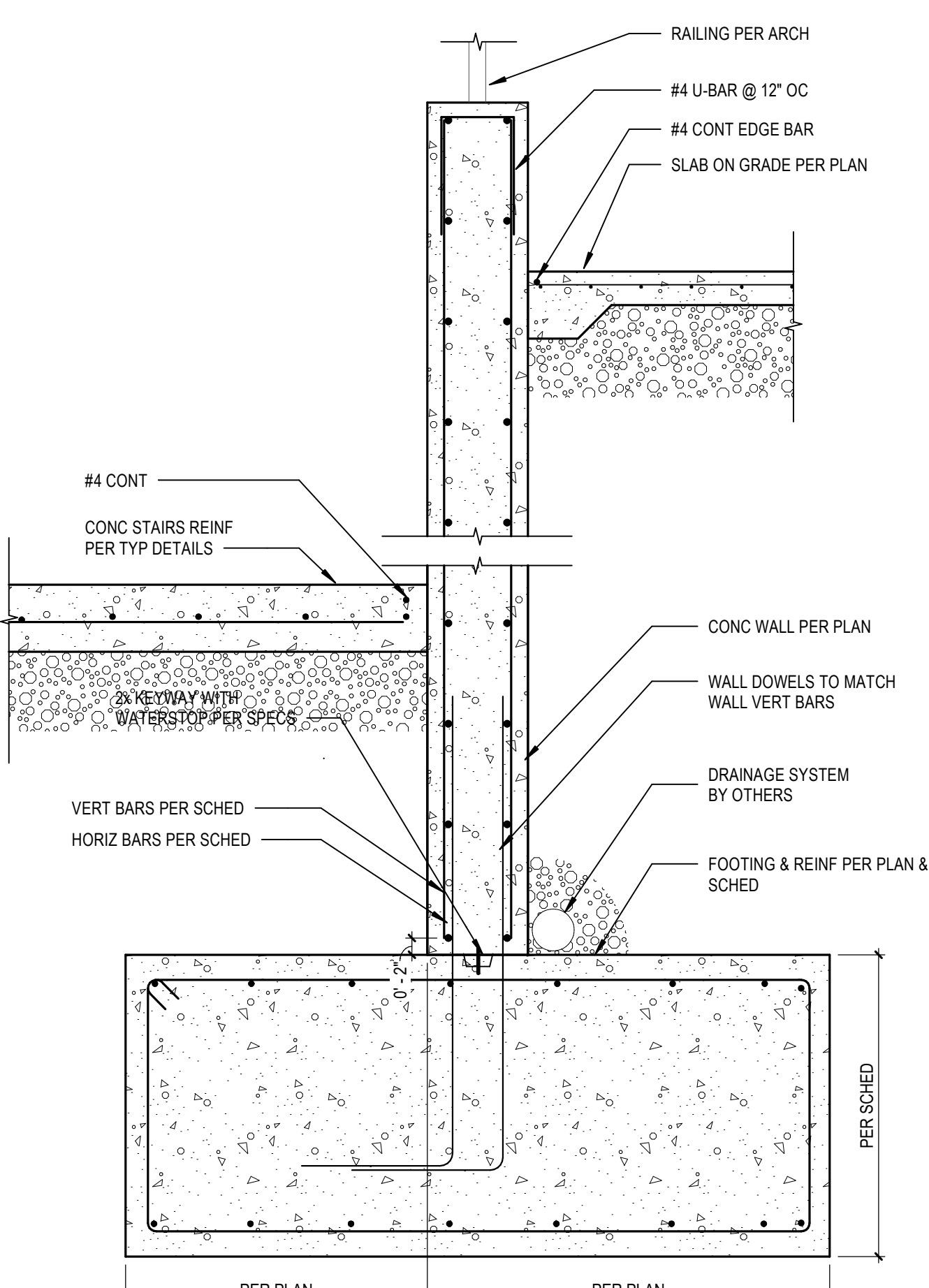
SECTION 51
SCALE: 3/4" = 1'-0"



SECTION 52
SCALE: 3/4" = 1'-0"

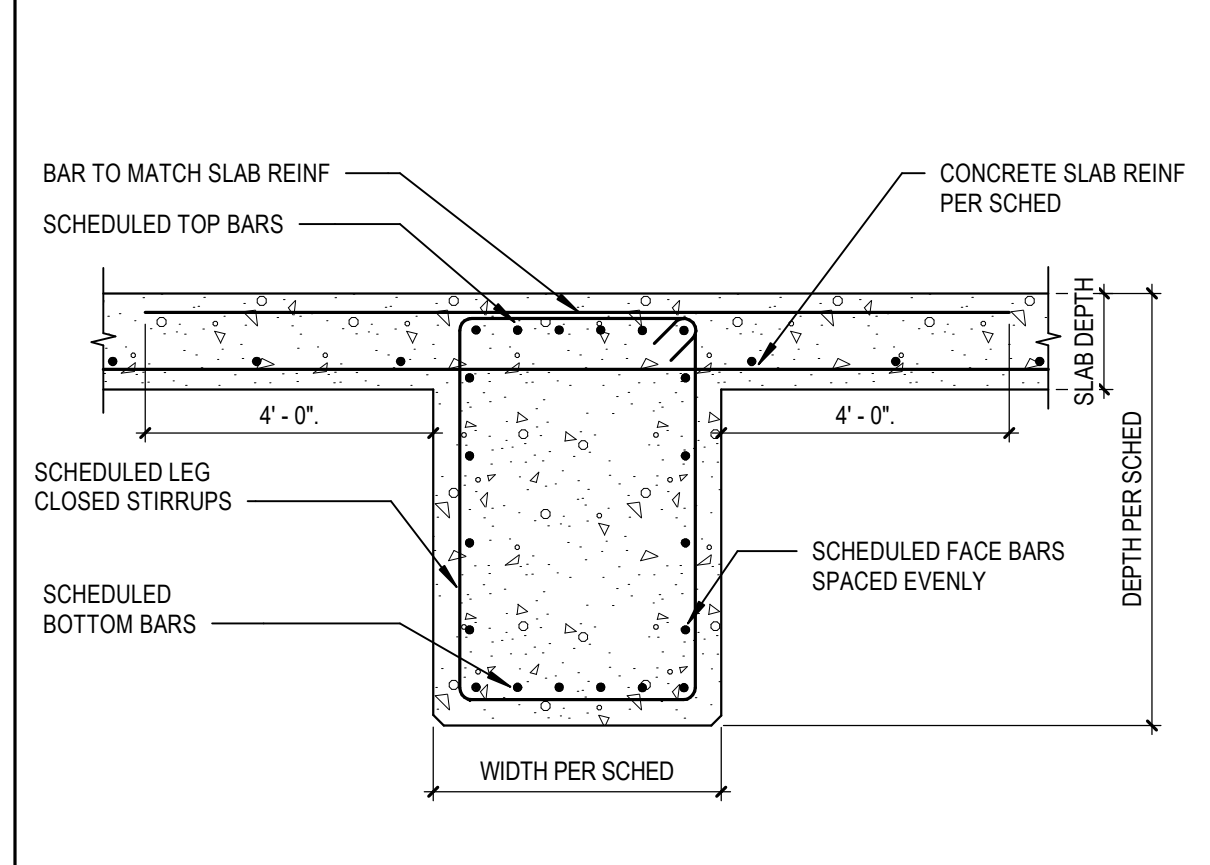


SECTION 53
SCALE: 3/4" = 1'-0"

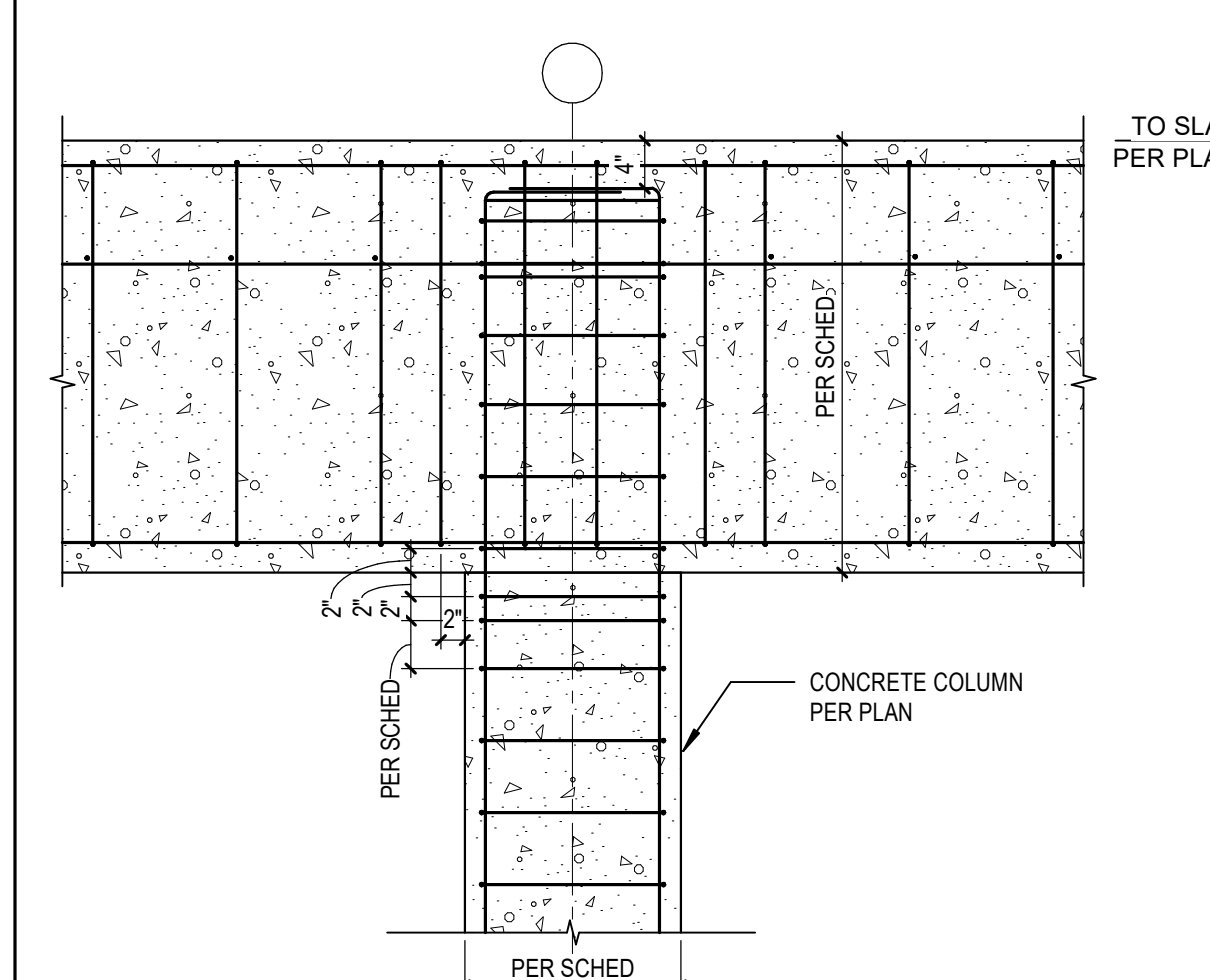


SECTION 54
SCALE: 3/4" = 1'-0"

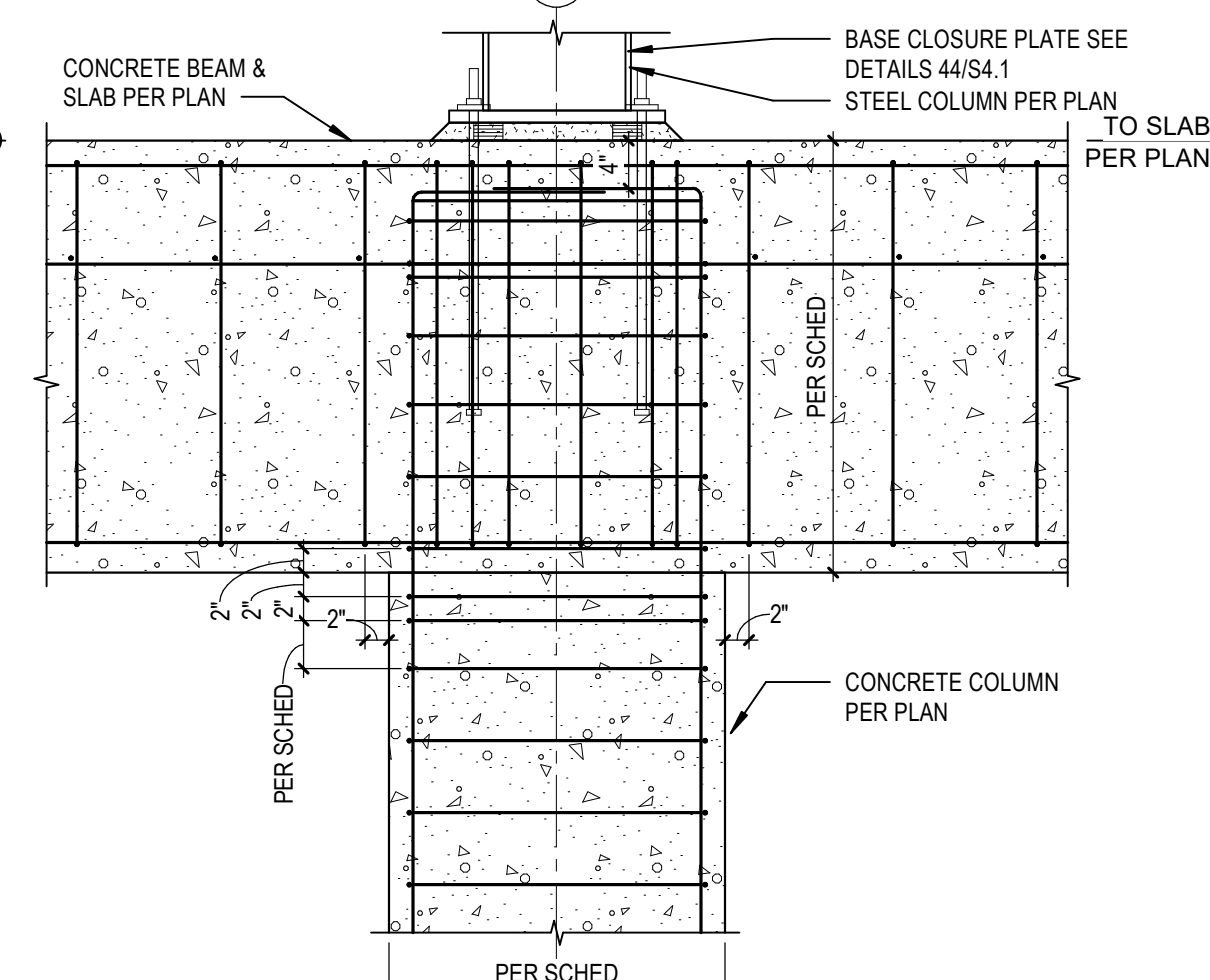
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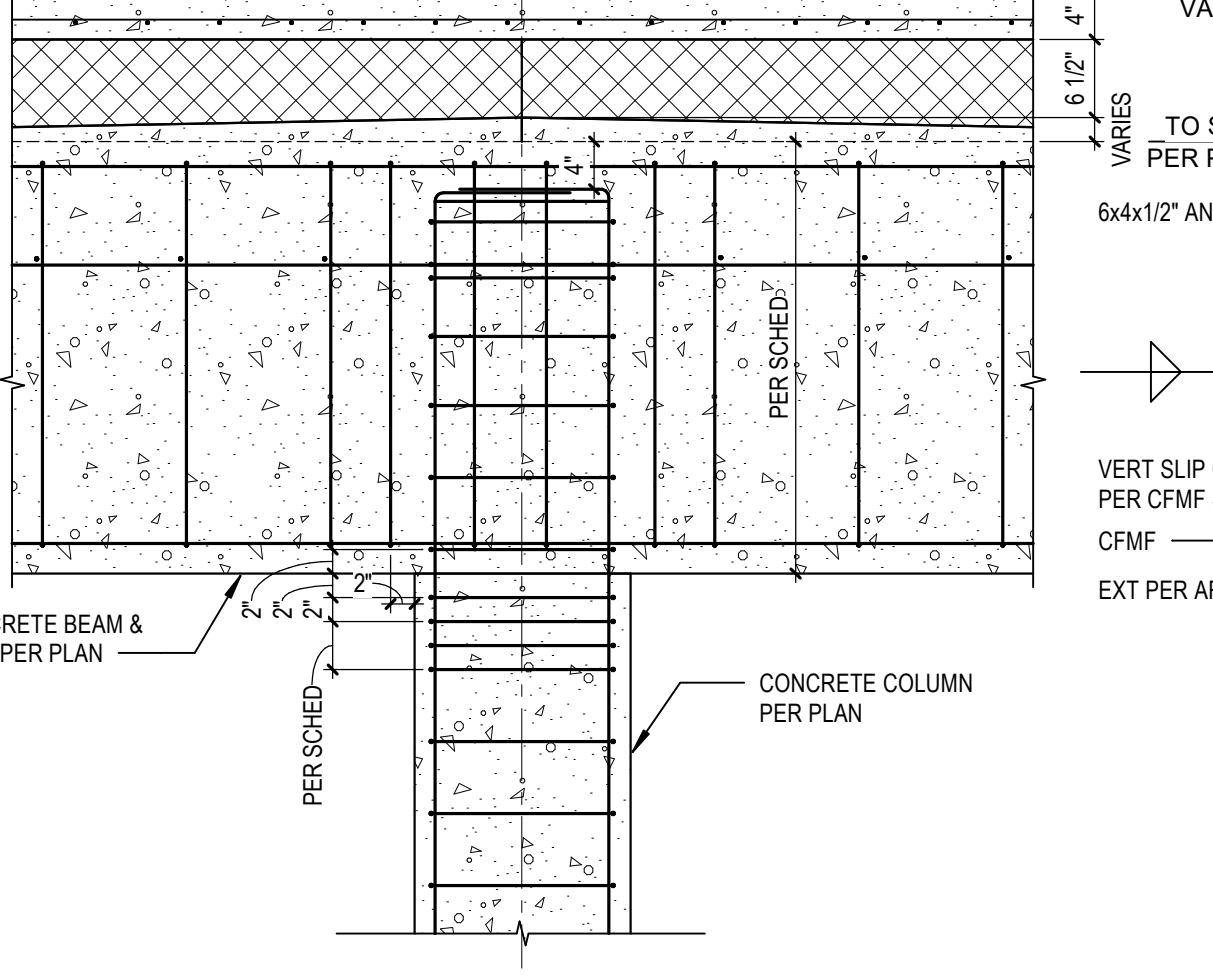
11 TYP CONCRETE BEAM DETAIL
S4.1.1 SCALE: 3/4" = 1'-0"



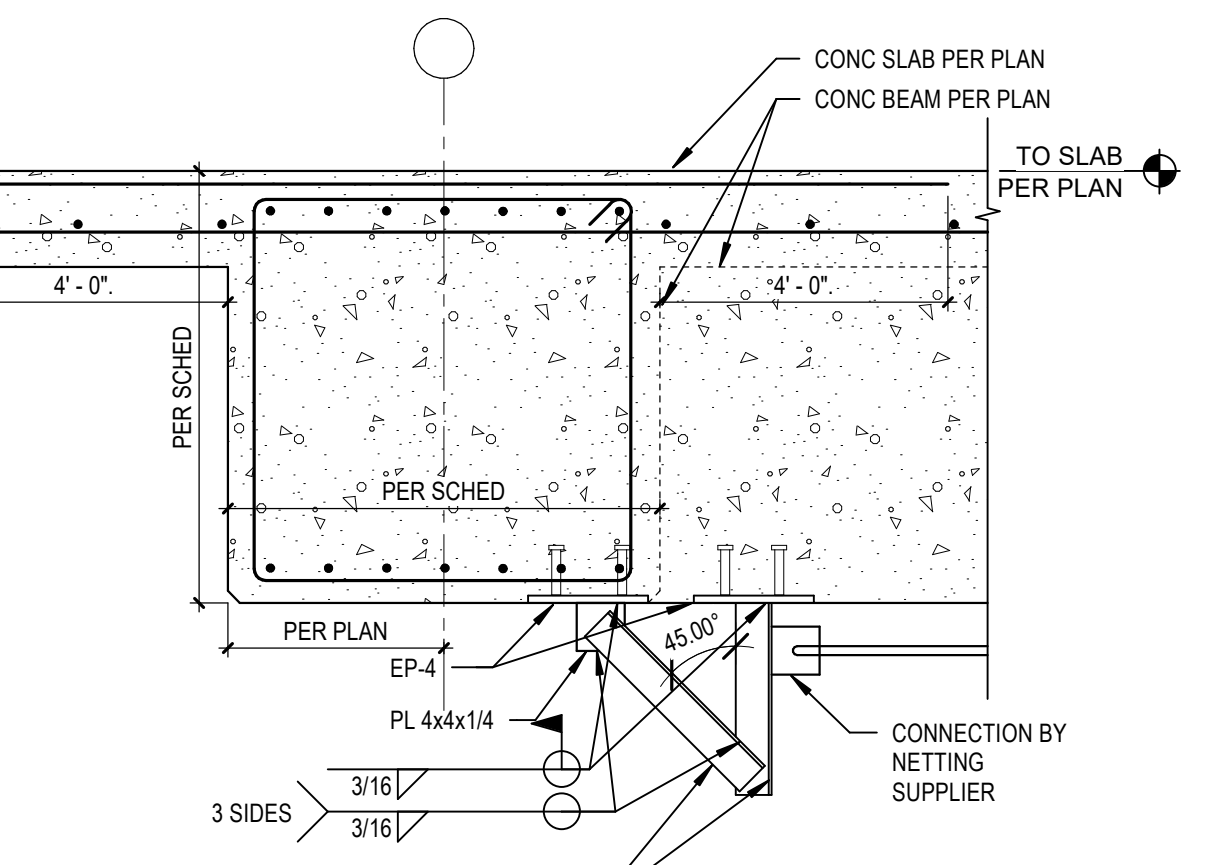
21 SECTION
S4.1.1 SCALE: 3/4" = 1'-0"



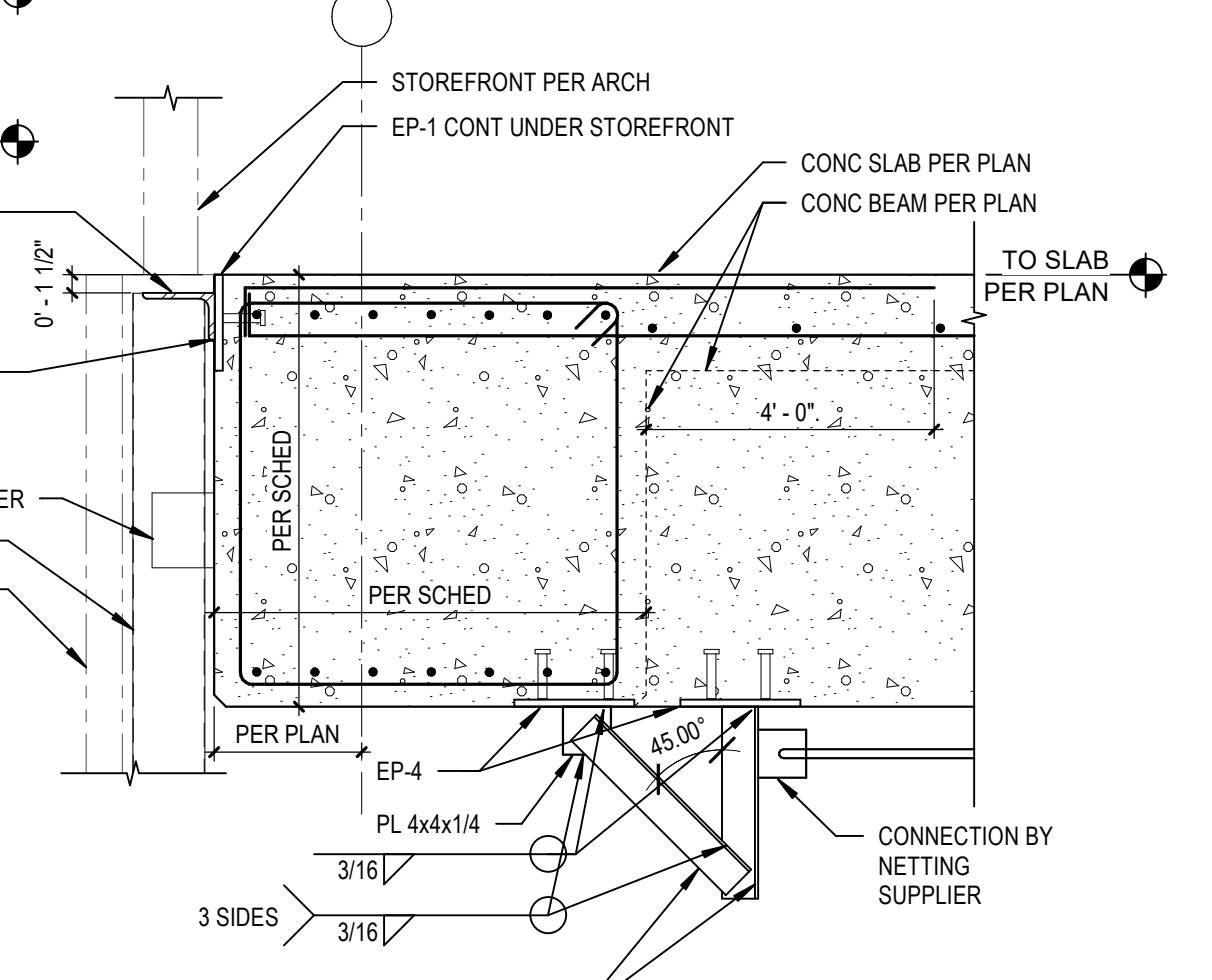
22 SECTION
S4.1.1 SCALE: 3/4" = 1'-0"



23 SECTION
S4.1.1 SCALE: 3/4" = 1'-0"



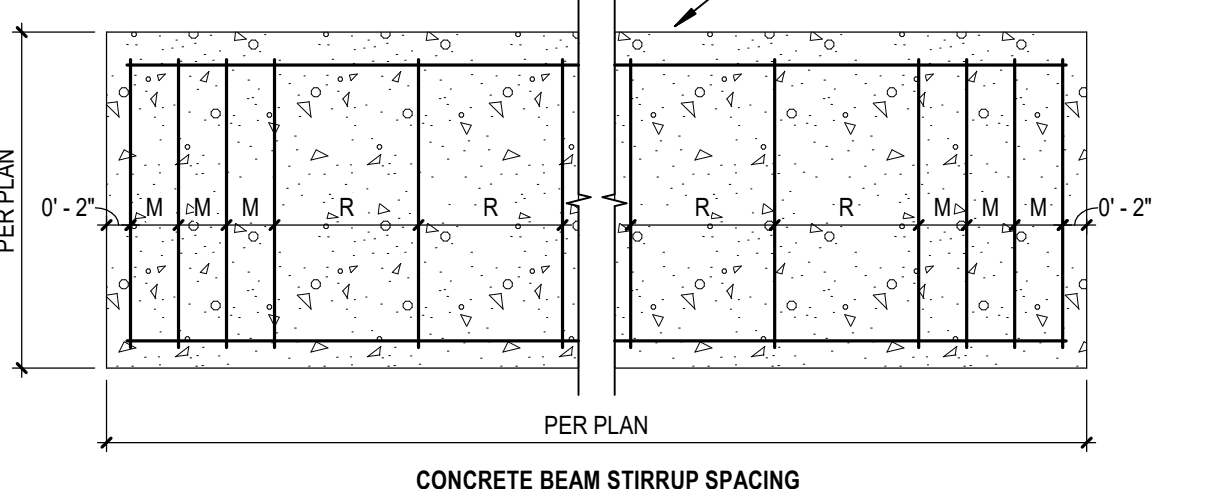
14 SECTION
S4.1.1 SCALE: 3/4" = 1'-0"



24 SECTION
S4.1.1 SCALE: 3/4" = 1'-0"

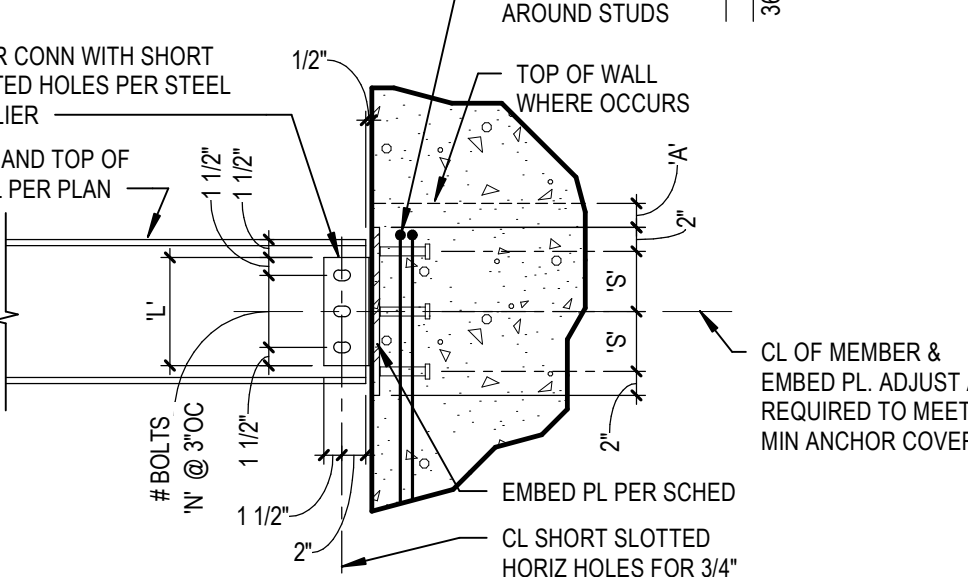
CONCRETE FRAMING SCHEDULE				
MARK	SIZE (BxH)	LONGITUDINAL	STIRRUPS	FACE REINFORCING
B-1	12x24 DEEP	(2) #6 T, (3) #6 B	#4 STIRRUPS (1) @ 2' / R @ 10"	
B-2	18x24 DEEP	(3) #6 T, (4) #7 B	#4 STIRRUPS (1) @ 2' / R @ 10"	
B-3	18x24 DEEP	(5) #8 T/B	#4 STIRRUPS (1) @ 2' / R @ 10"	
B-4	24x36 DEEP	(7) #7 T/B	#4 STIRRUPS (1) @ 2' / R @ 10"	
B-5	24x36 DEEP	(5) #7 T, (7) #8 B	#4 STIRRUPS (1) @ 2' / R @ 12"	
B-6	36x36 DEEP	(7) #10 T/B	#4 STIRRUPS (1) @ 2' / M (5) #4 @ 7' / R @ 12"	
G-1	18x36 DEEP	(5) #7 T/B	#4 STIRRUPS (1) @ 2' / R @ 10"	(2) #6 EACH FACE
G-2	24x36 DEEP	(6) #9 T/B	#4 STIRRUPS (1) @ 2' / R @ 12"	(4) #6 EACH FACE
G-3	24x36 DEEP	(6) #7 T, (6) #8 B	#4 STIRRUPS (1) @ 2' / R @ 12"	(3) #5 EACH FACE
G-4	24x36 DEEP	(5) #5 T, (5) #8 B	#4 STIRRUPS (1) @ 2' / R @ 12"	(4) #8 EACH FACE

NOTES:
1. REFER TO DETAIL 11S4.1 FOR TYPICAL CONCRETE BEAM REBAR LAYOUT



FLOOR SLAB SCHEDULE	
MARK	DESCRIPTION
F-1	8" NORMAL WEIGHT CONCRETE SLAB W/ #4 @ 12" EW REINF
F-2	SPLIT SLAB W/ 4" CONCRETE TOPPING SLAB W/ #4-W#4 WELDED WIRE REINF. ON TOP OF 6" INSULATION AND 1/2" WATERPROOFING PER ARCH. AND 8" MIN STRUCTURAL NORMAL WEIGHT CONCRETE SLAB W/ #4 @ 12" EW REINF.

NOTES:
1. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS AND ELEVATIONS OF DRAINS.



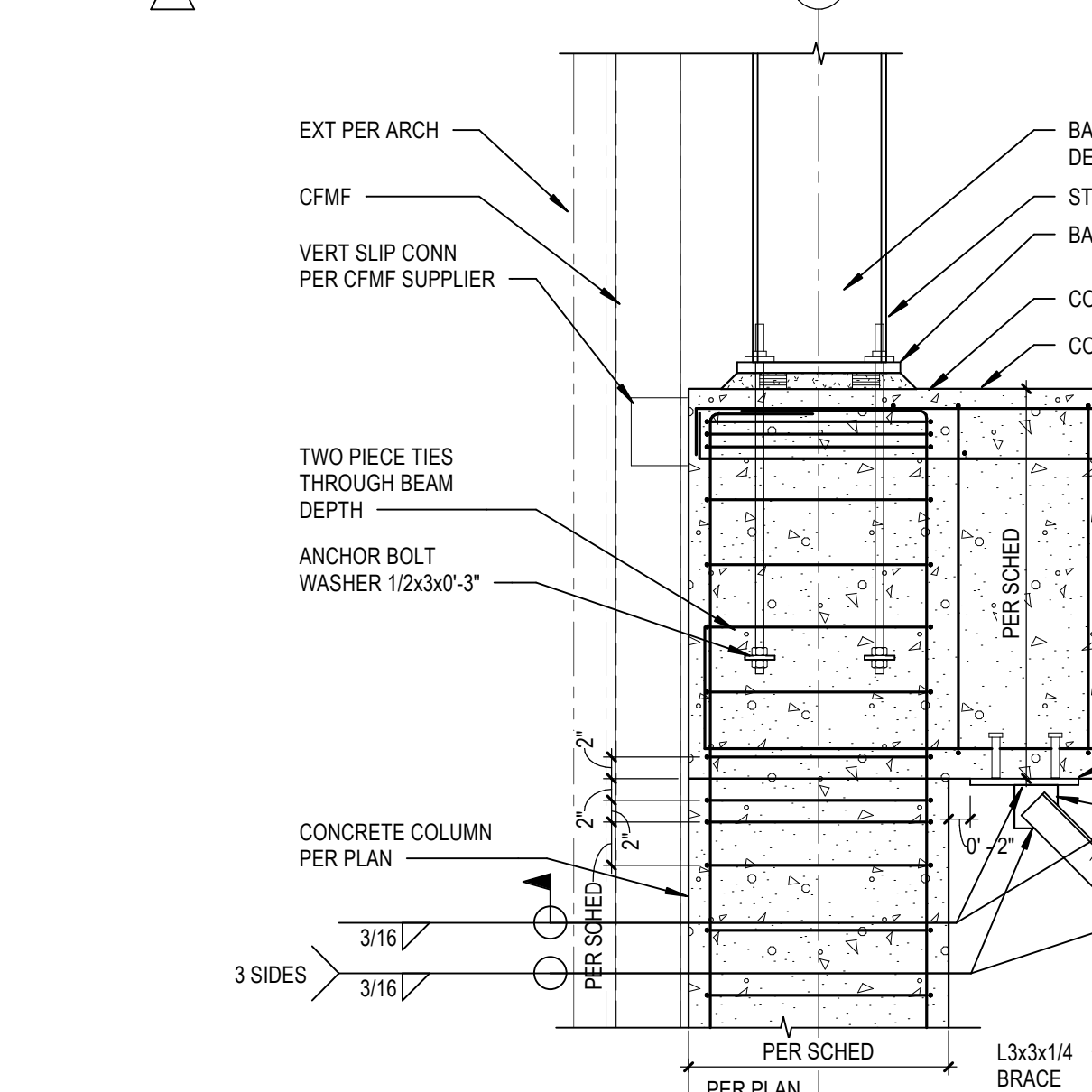
MARK	EMBED PL	GAGE	SIZE	'A'	REMARKS
EP-1	3/4"x6-1/2"x1'-0"	3-1/4"	6"	(1) ROWS OF (2), (2) 3/4"x6" x 6" LONG	0'
EP-2	3/4"x18"x6"	6"	6"	(1) ROWS OF (3), (3) 3/4"x6" x 6" LONG	6-1/2"
EP-3	1/2"x14"x6"	5"	5"	(2) ROWS OF (3), (3) 3/4"x6" x 6" LONG	6-1/2"
EP-4	1/2"x10"x6"	5"	5"	(1) ROWS OF (2), (2) 3/4"x6" x 6" LONG	0'
EP-5	1/2"x15"x6"	6"	6"	(1) ROWS OF (3), (3) 3/4"x6" x 6" LONG	0'

NOTE:
1. PROVIDE EP-X FOR ALL BEAMS, UNLESS NOTED OTHERWISE ON PLANS.
2. EMBED PLATE REQUIRES A LARGER COVER AT TOP OF WALL CONDITIONS.

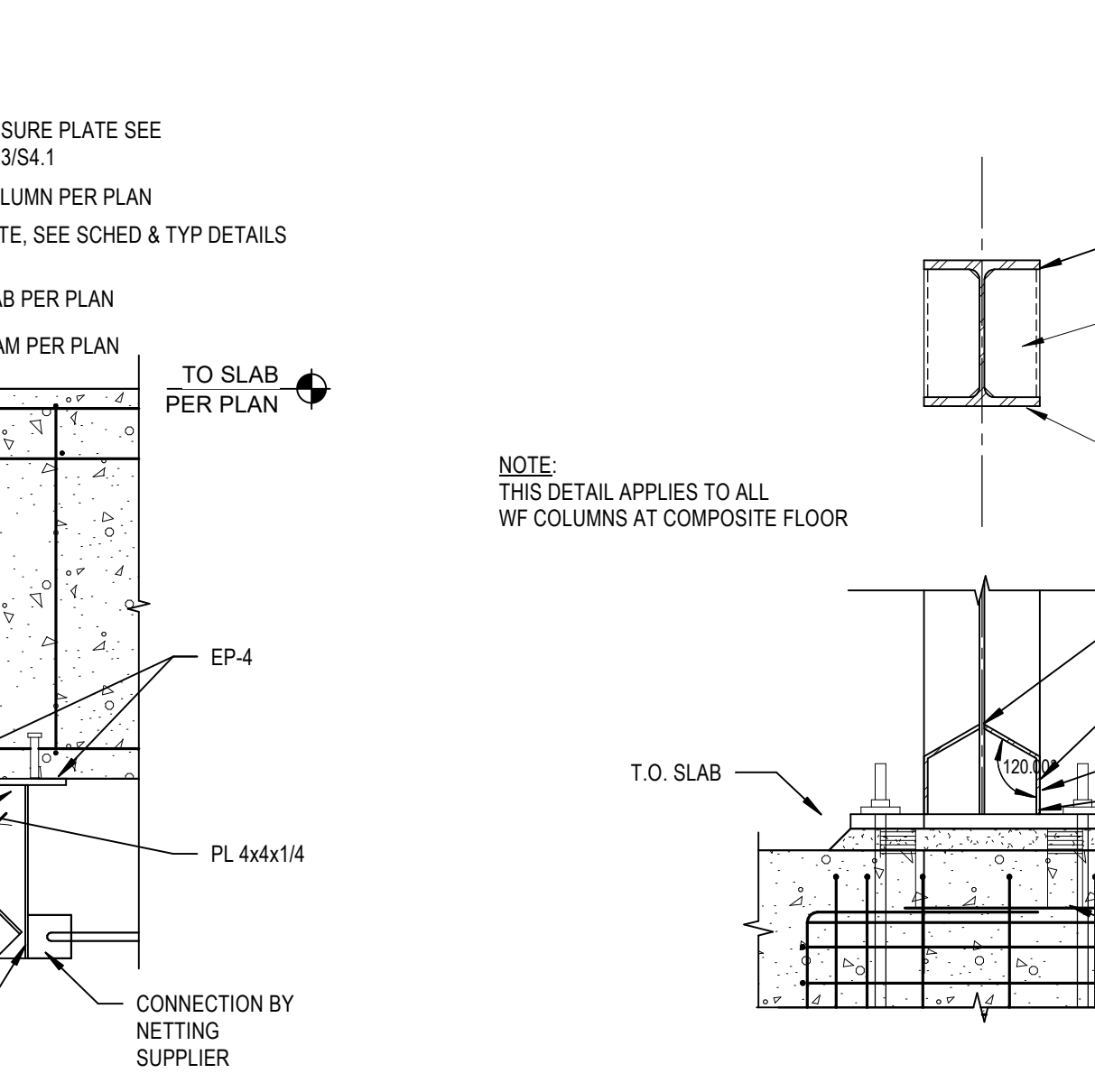
25 TYP EMBED PLATE SCHEDULE
S4.1.1 SCALE: 3/4" = 1'-0"



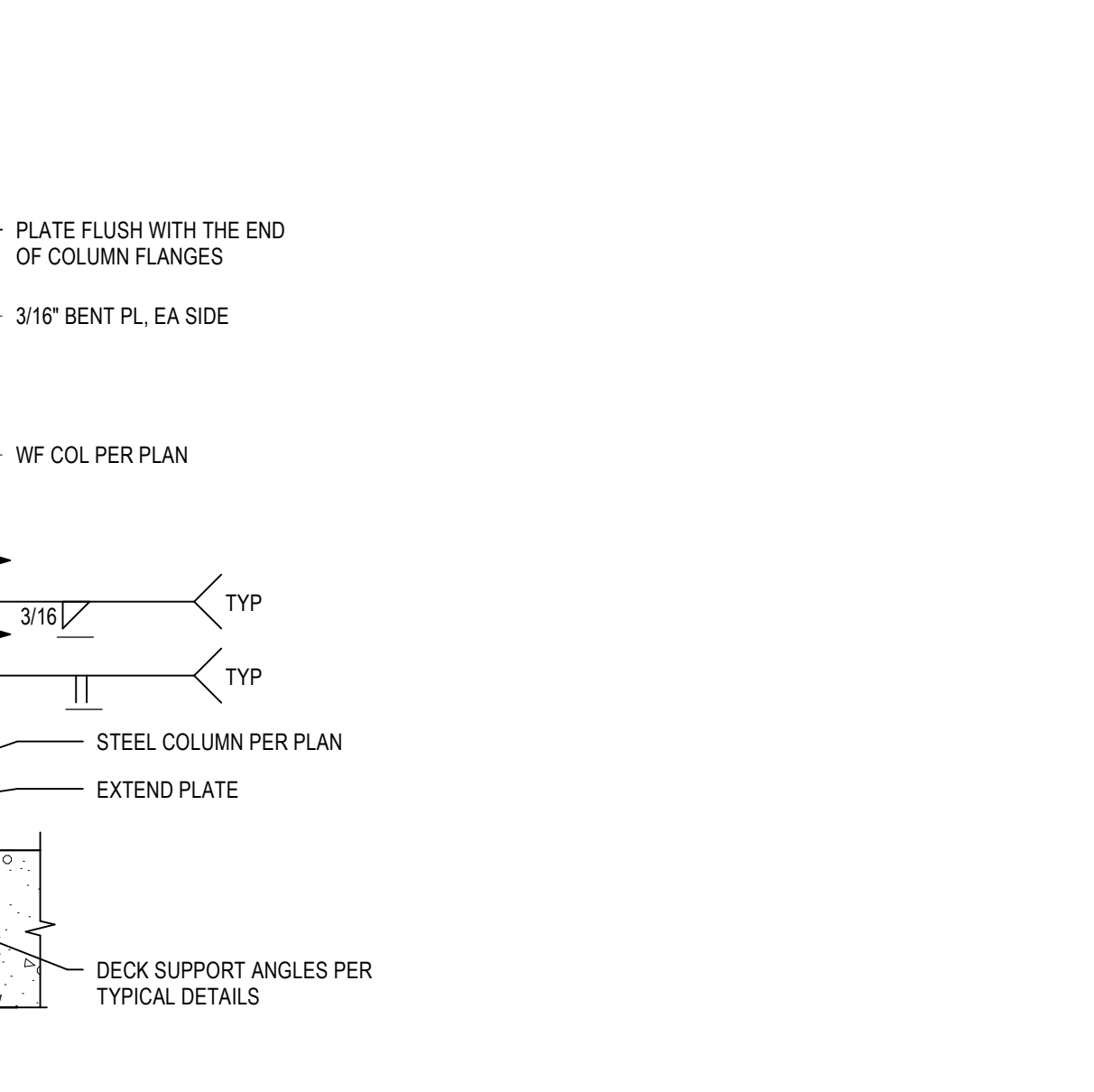
32 SECTION
S4.1.1 SCALE: 3/4" = 1'-0"



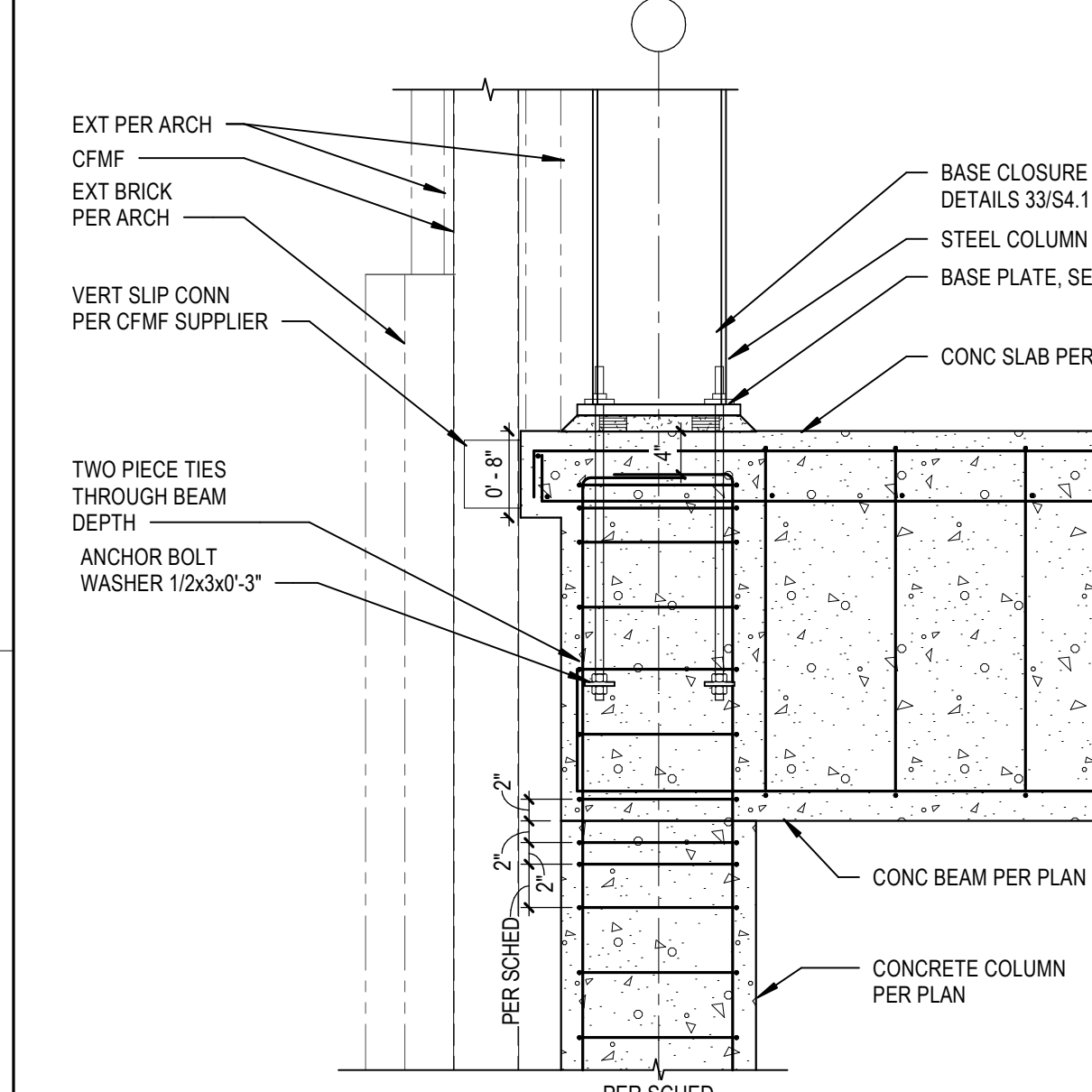
33 TYP WF BASE CLOSURE PLATE DETAIL
S4.1.1 SCALE: 1" = 1'-0"



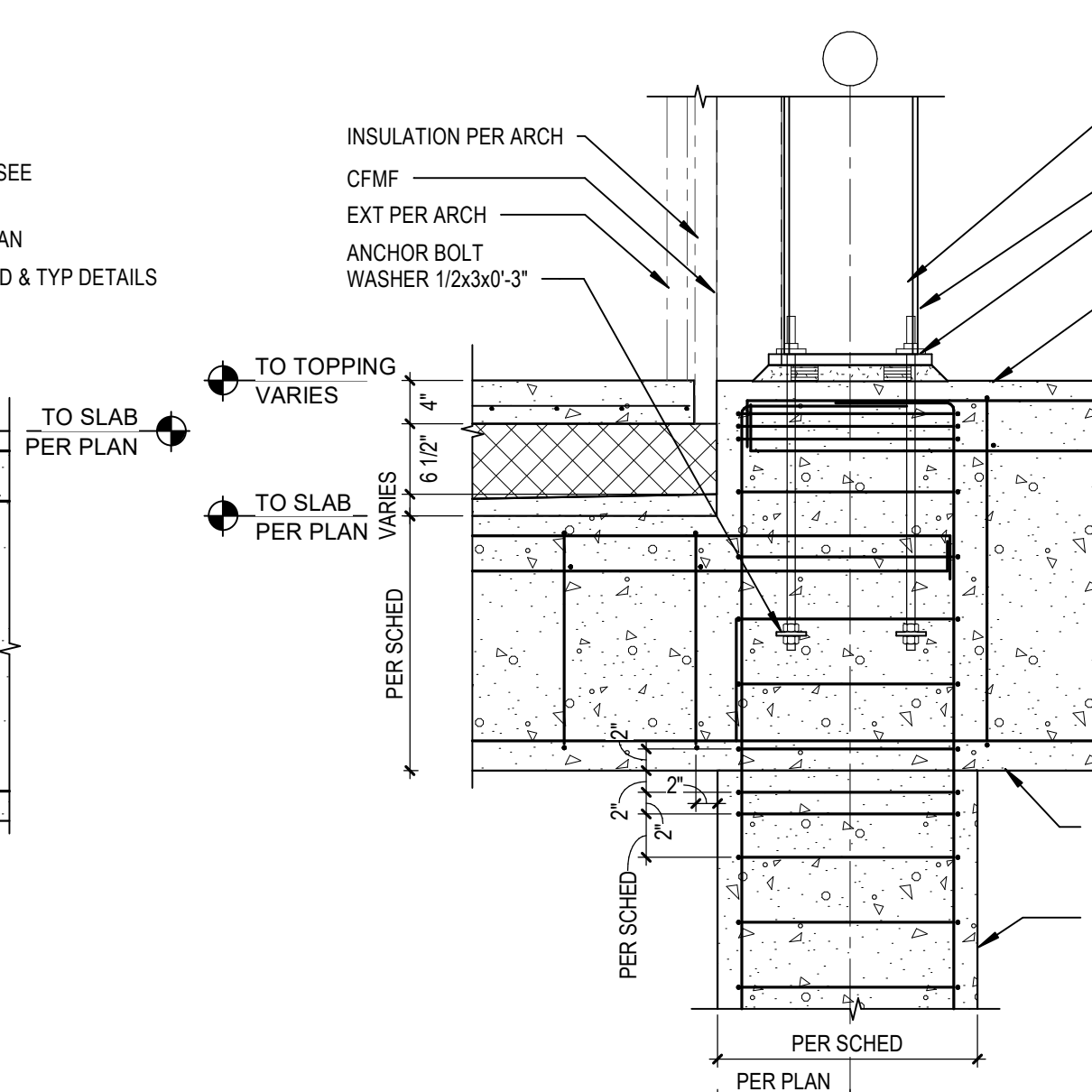
34 SECTION
S4.1.1 SCALE: 3/4" = 1'-0"



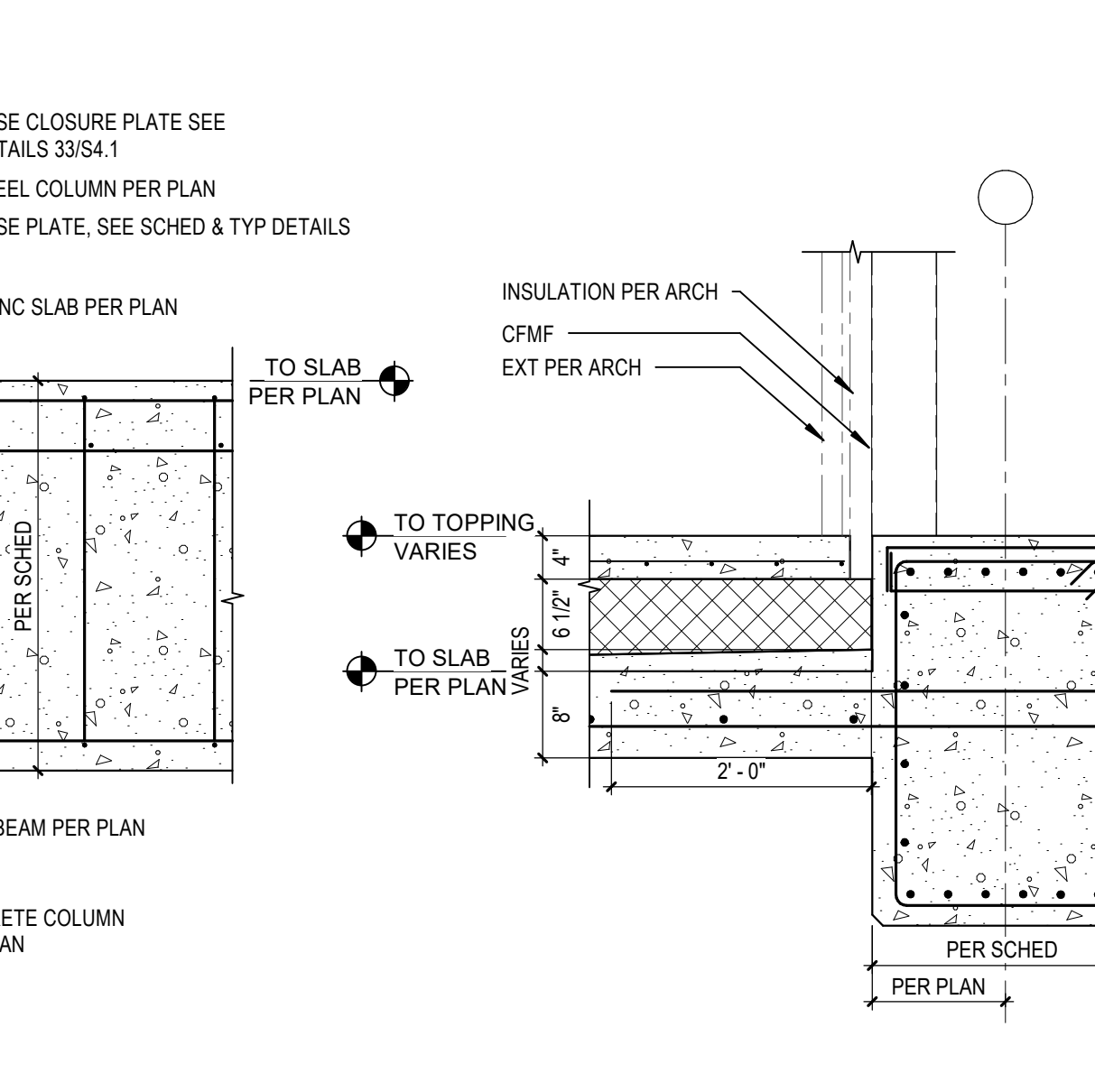
35 SECTION
S4.1.1 SCALE: 3/4" = 1'-0"



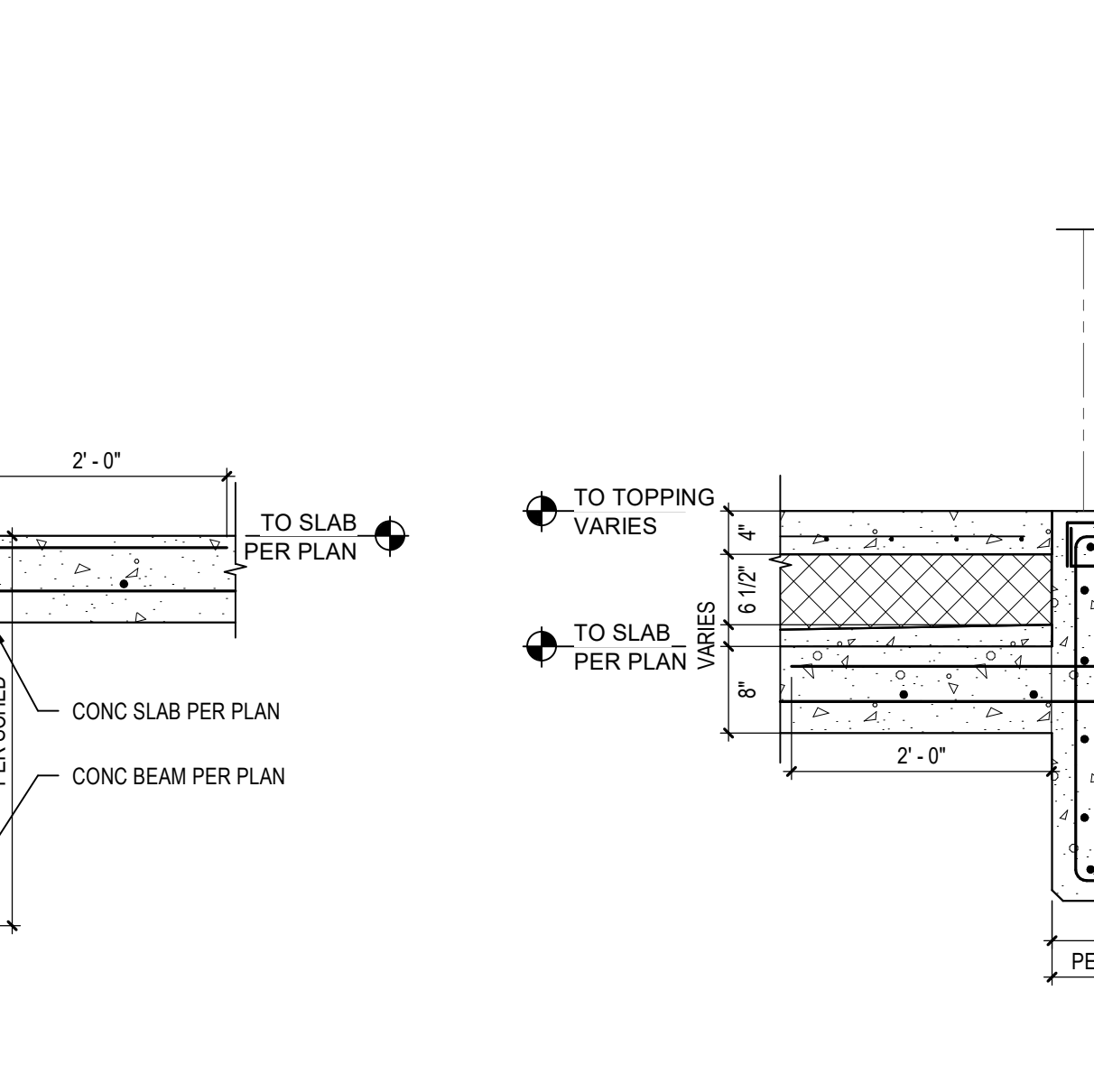
41 SECTION
S4.1.1 SCALE: 3/4" = 1'-0"



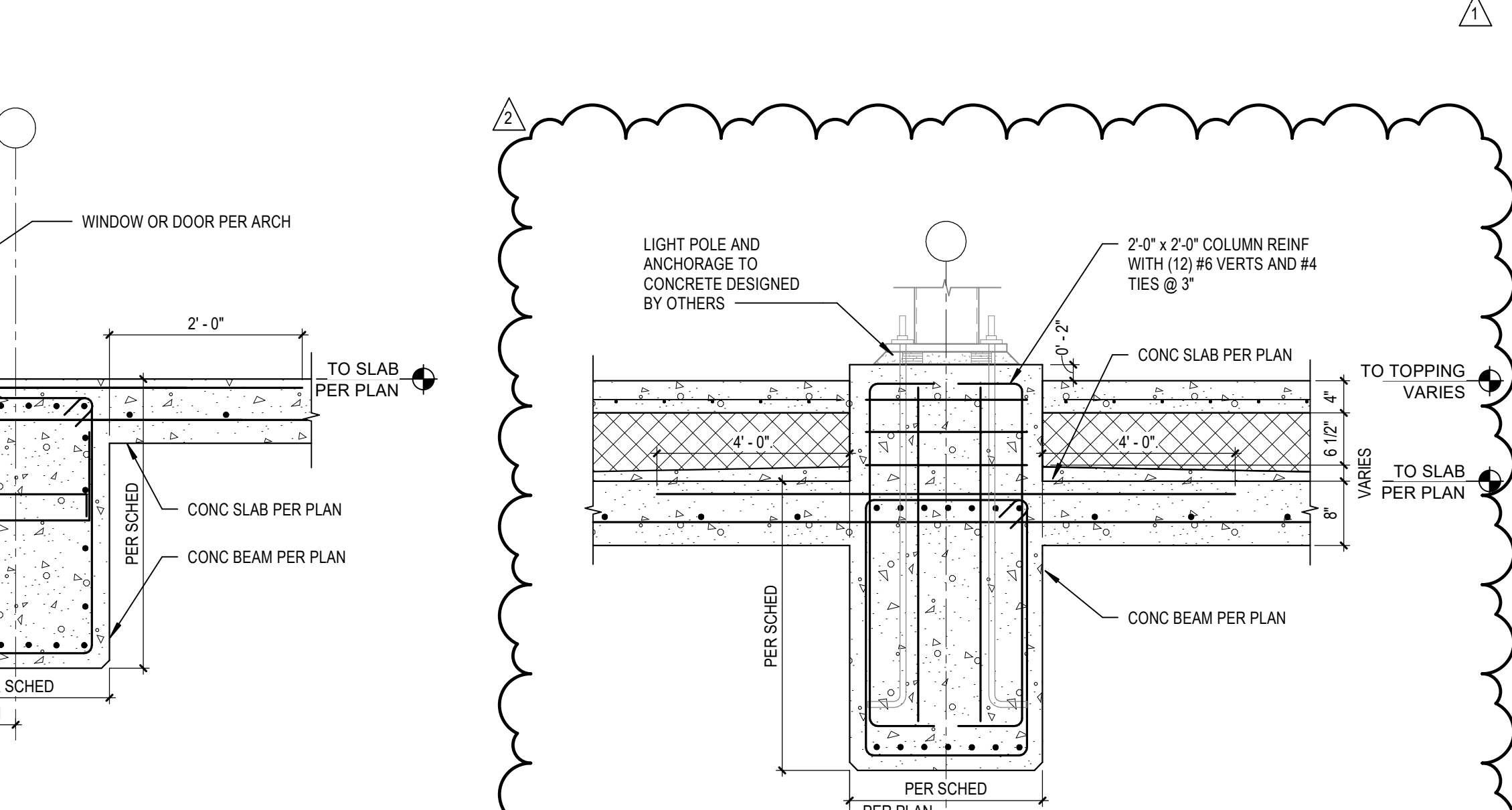
42 SECTION
S4.1.1 SCALE: 3/4" = 1'-0"



43 SECTION
S4.1.1 SCALE: 3/4" = 1'-0"

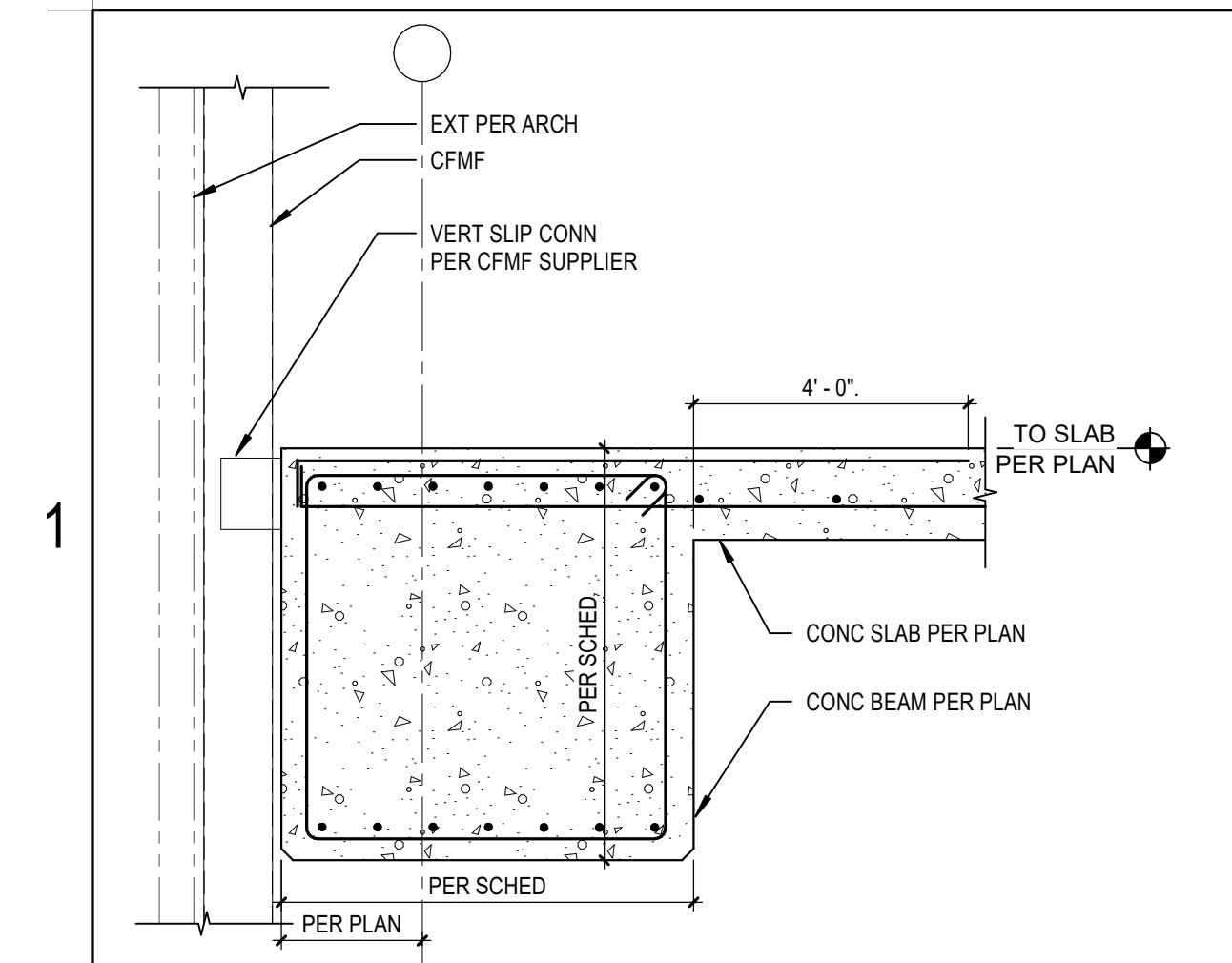


44 SECTION
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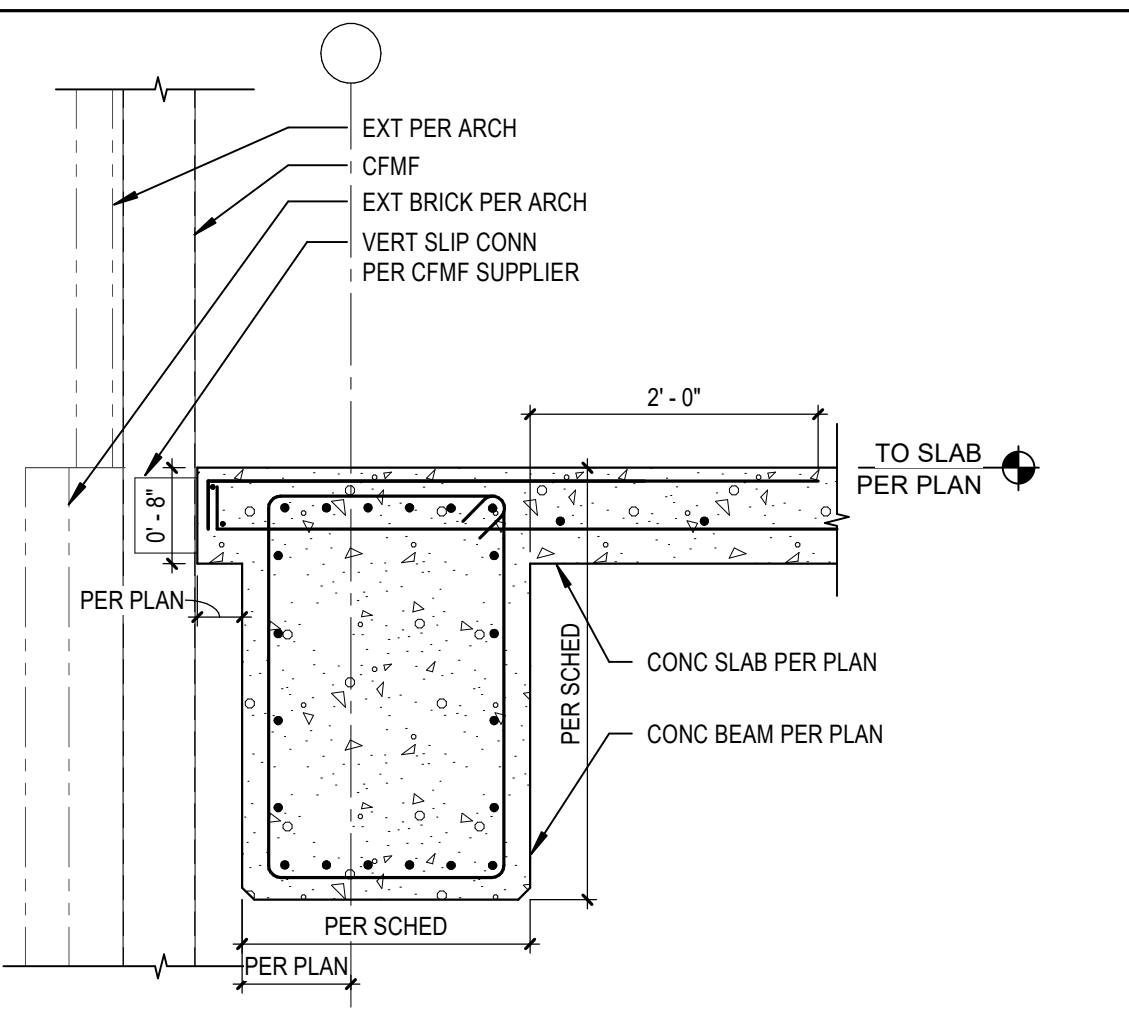


45 SECTION
S4.1.1 SCALE: 3/4" = 1'-0"

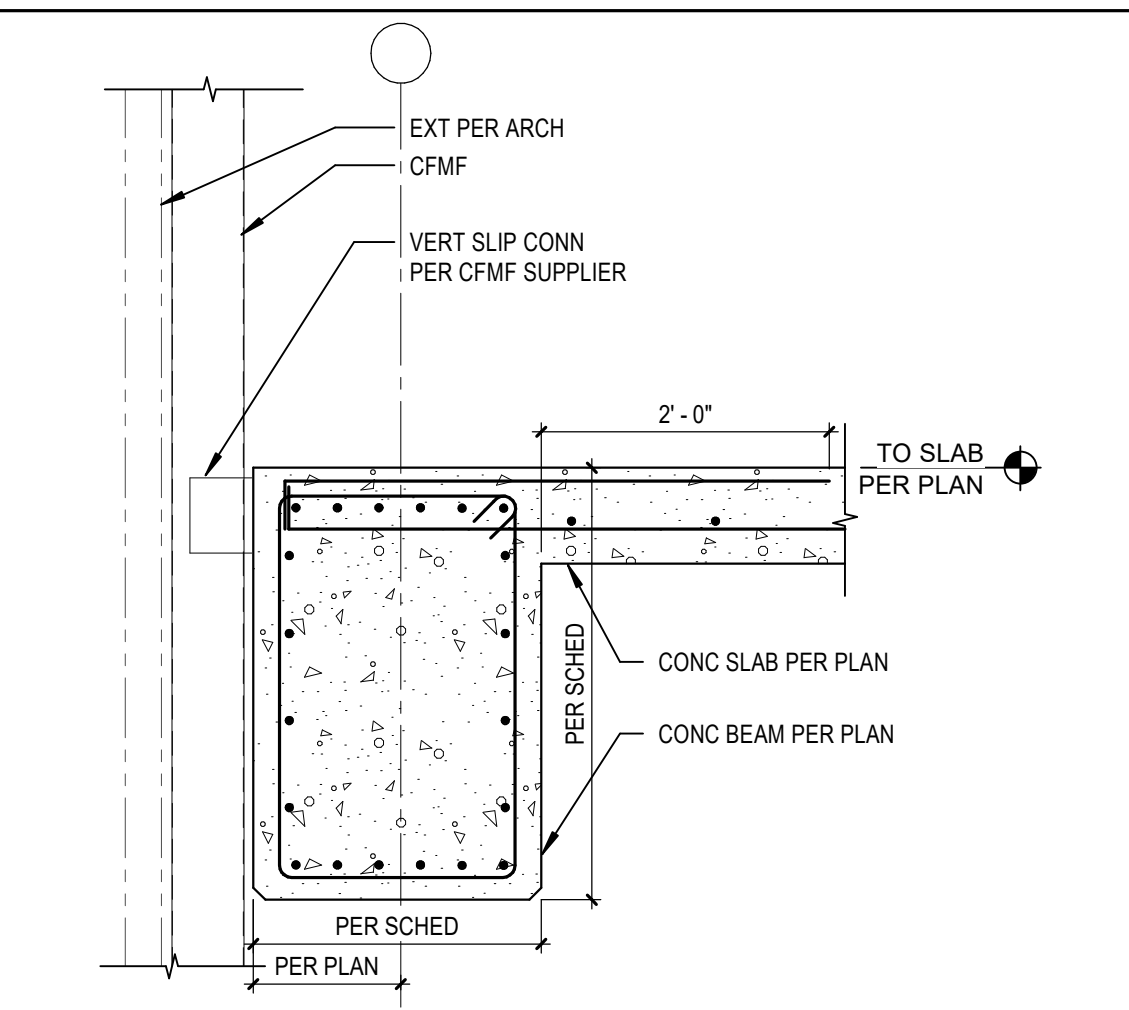
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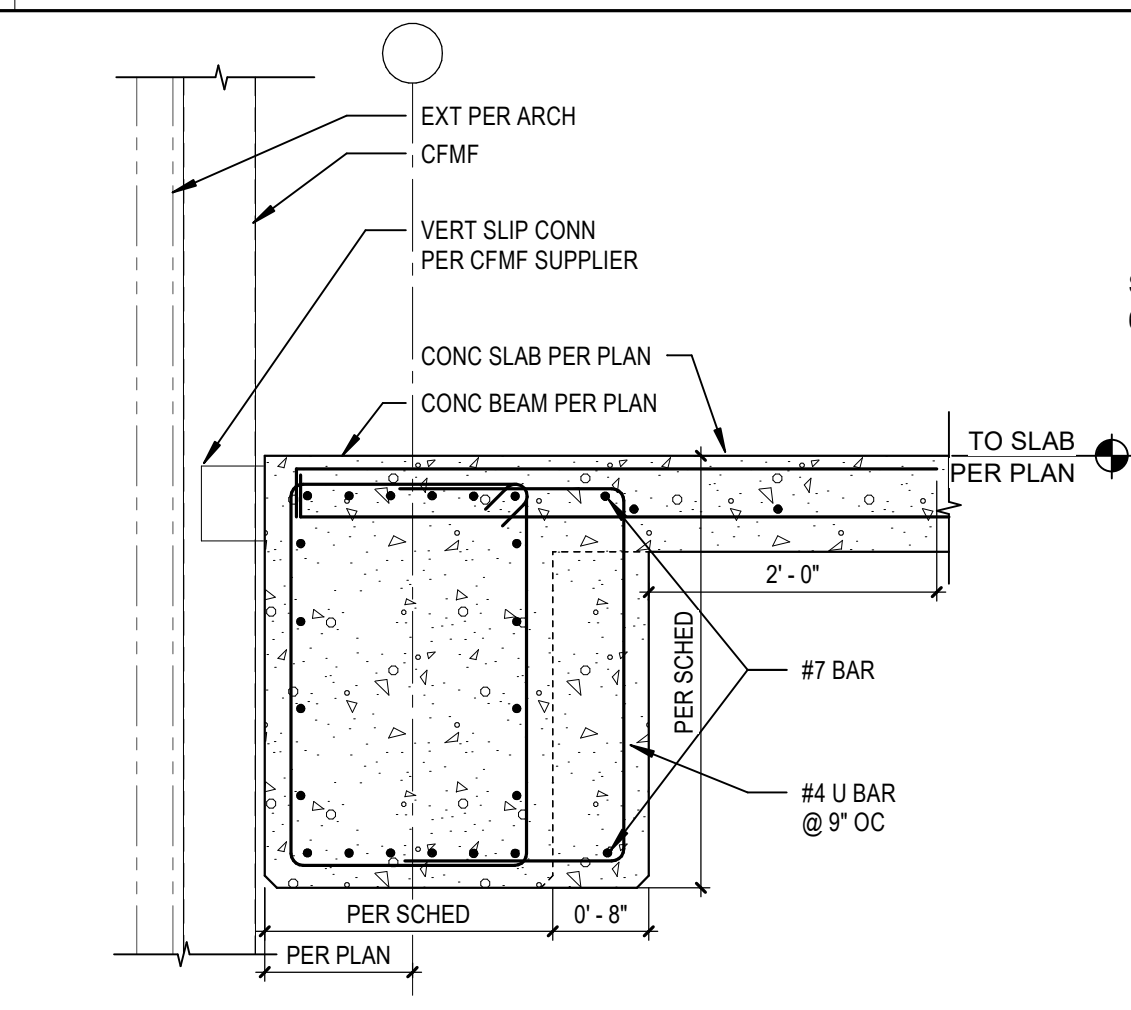
11 SECTION
S4.2.i SCALE: 3/4" = 1'-0"



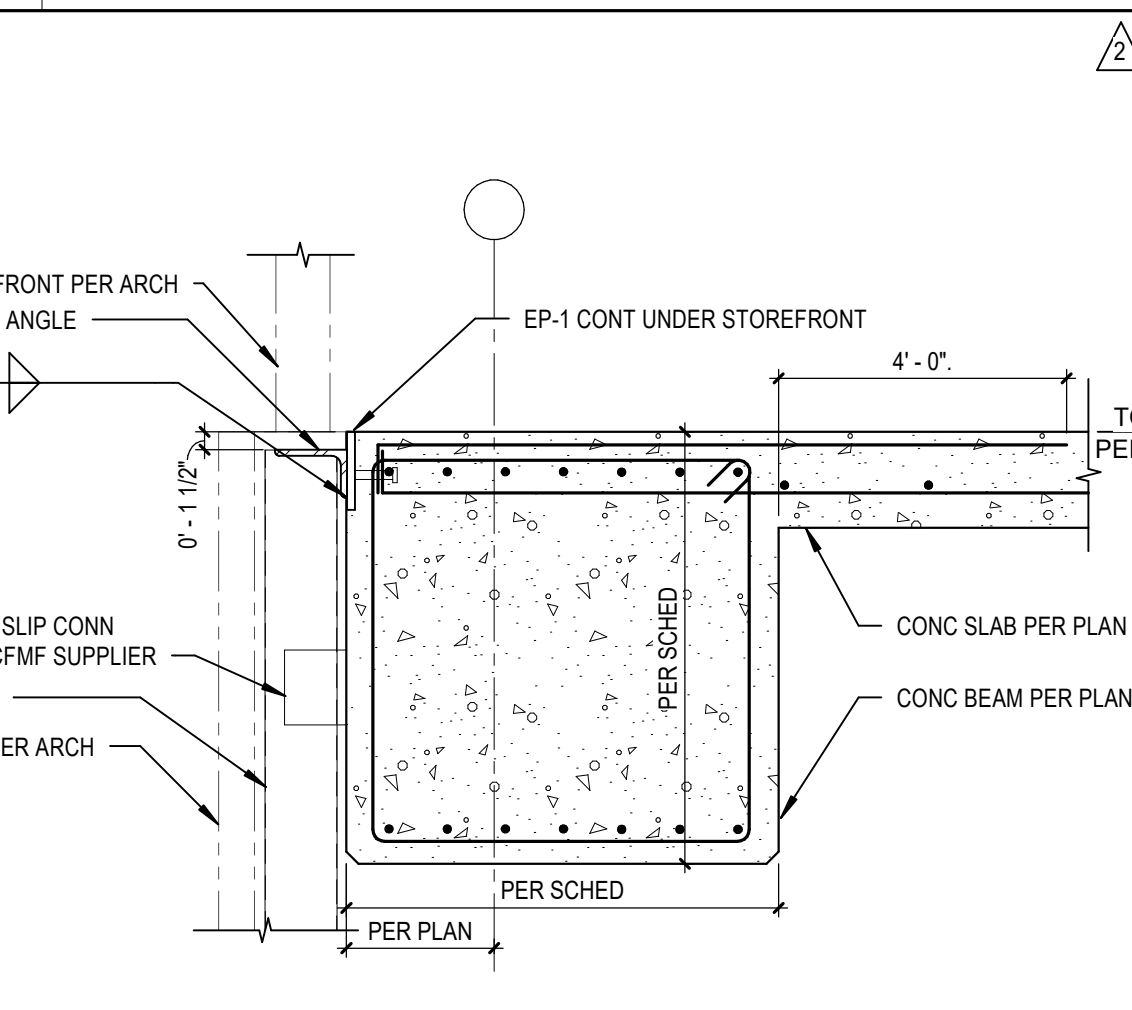
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S4.2.i SCALE: 3/4" = 1'-0"



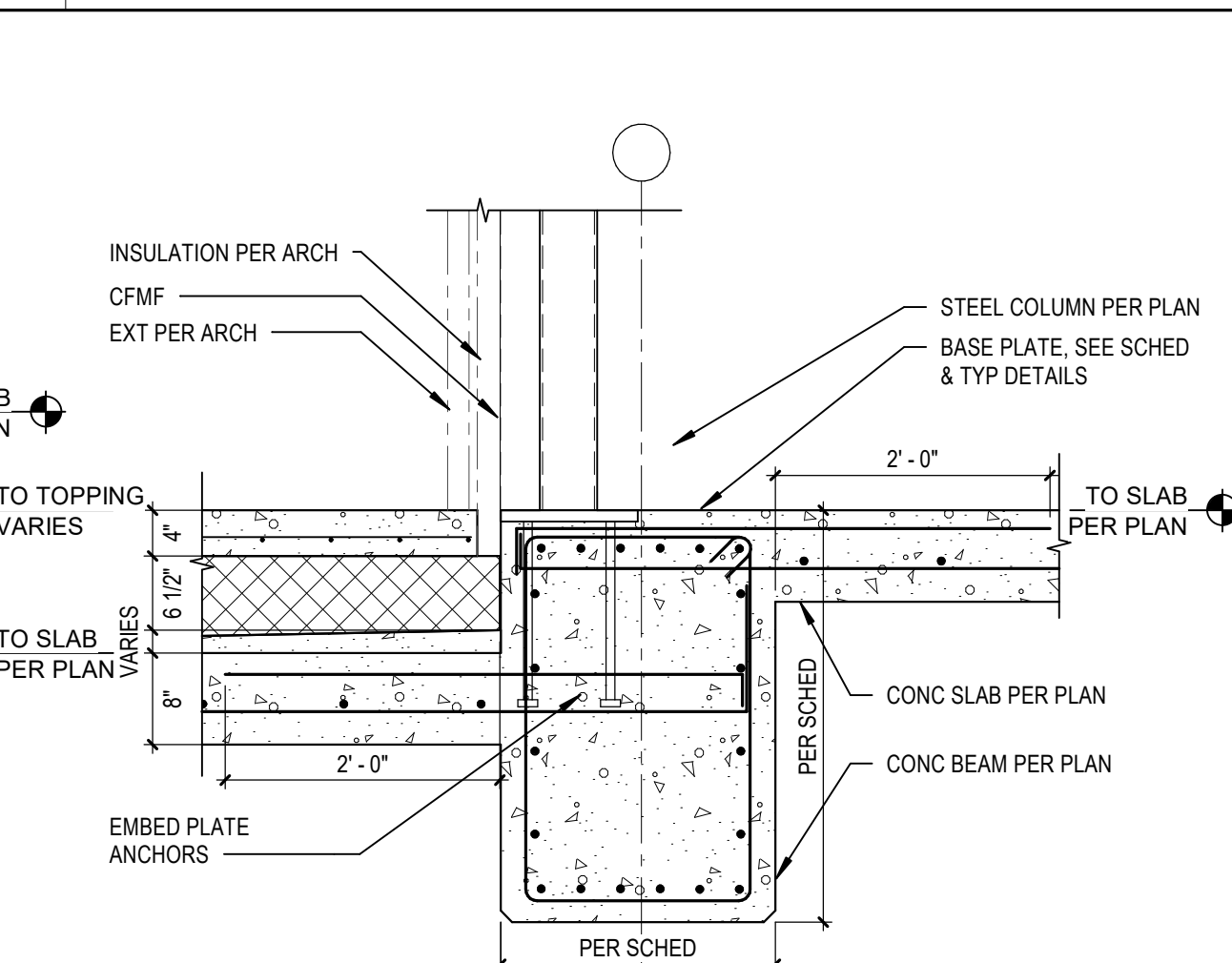
13 SECTION
S4.2.i SCALE: 3/4" = 1'-0"



14 SECTION
S4.2.i SCALE: 3/4" = 1'-0"



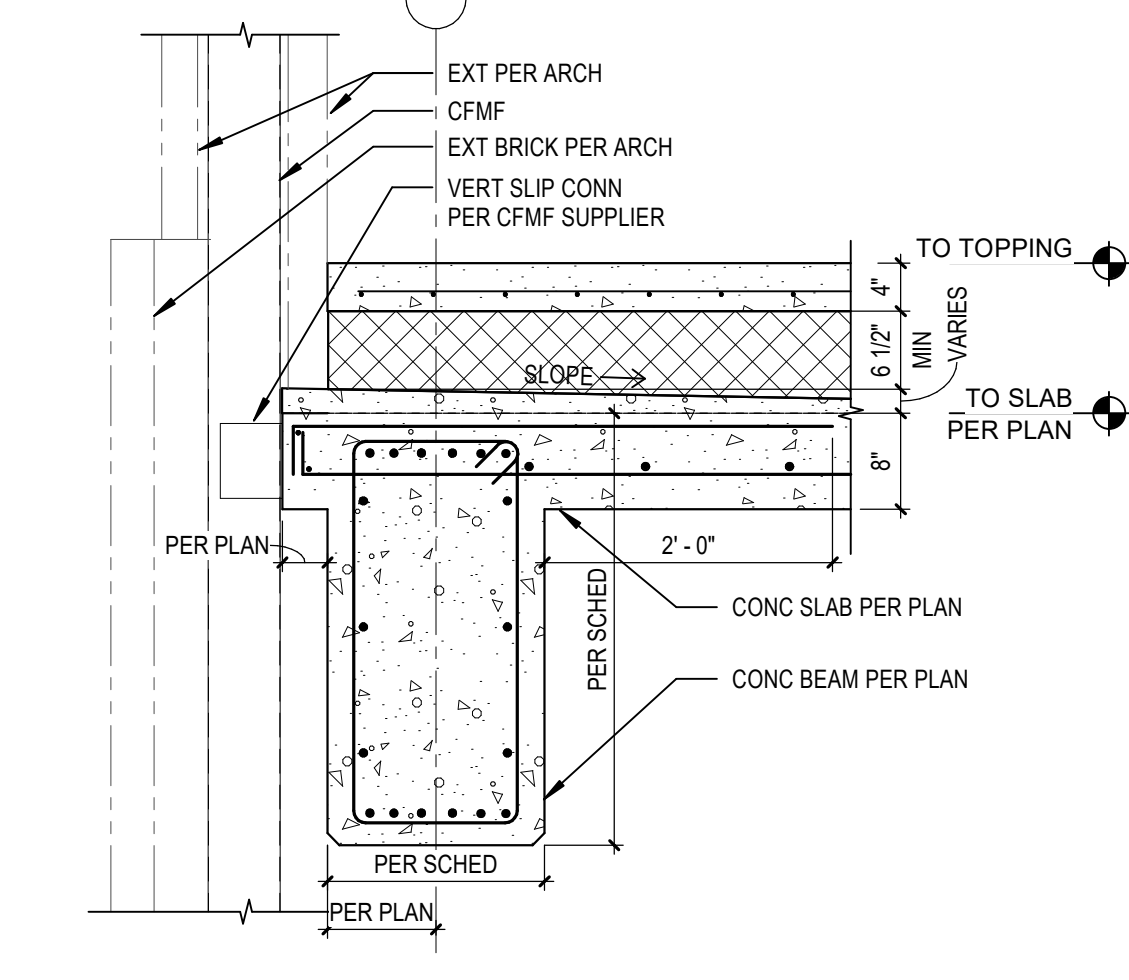
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16 SECTION
S4.2.i SCALE: 3/4" = 1'-0"



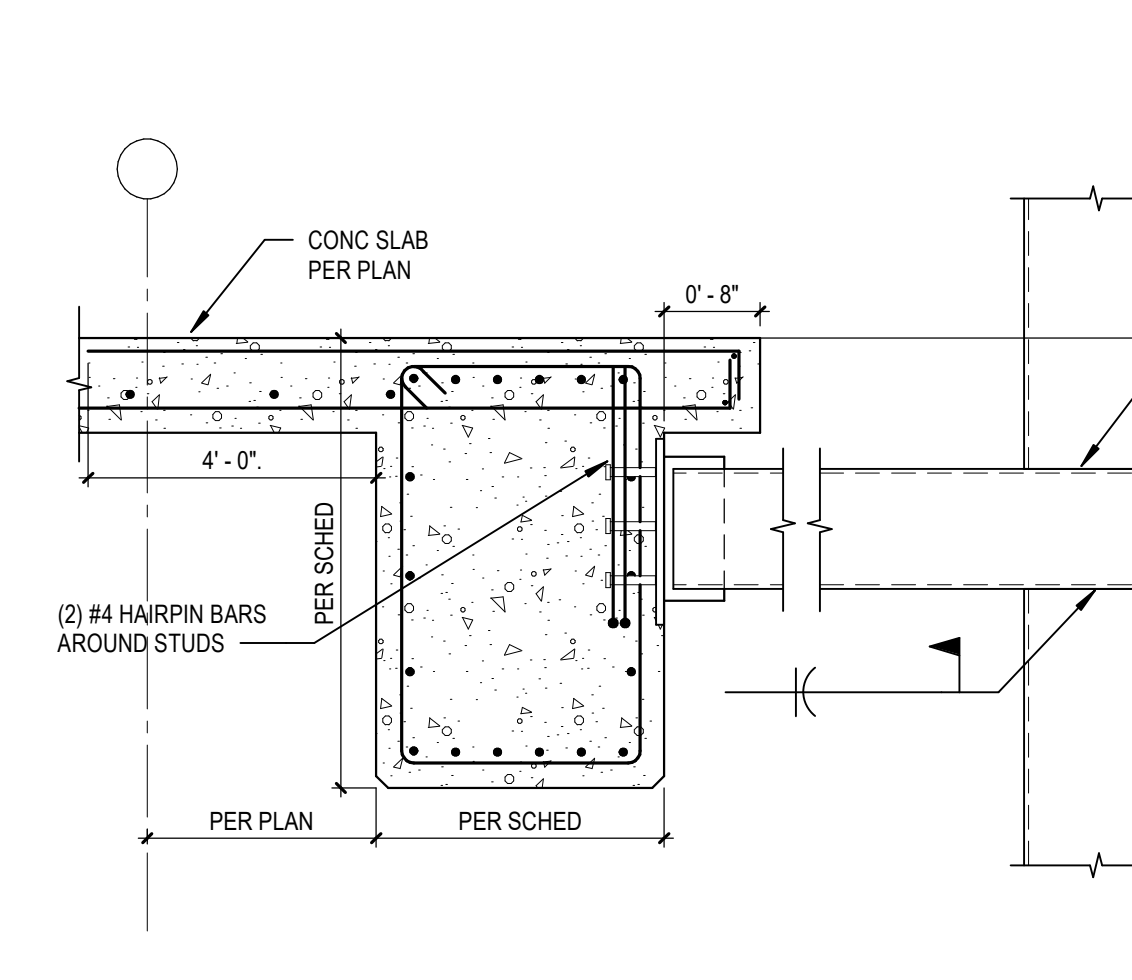
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S4.2.i SCALE: 3/4" = 1'-0"



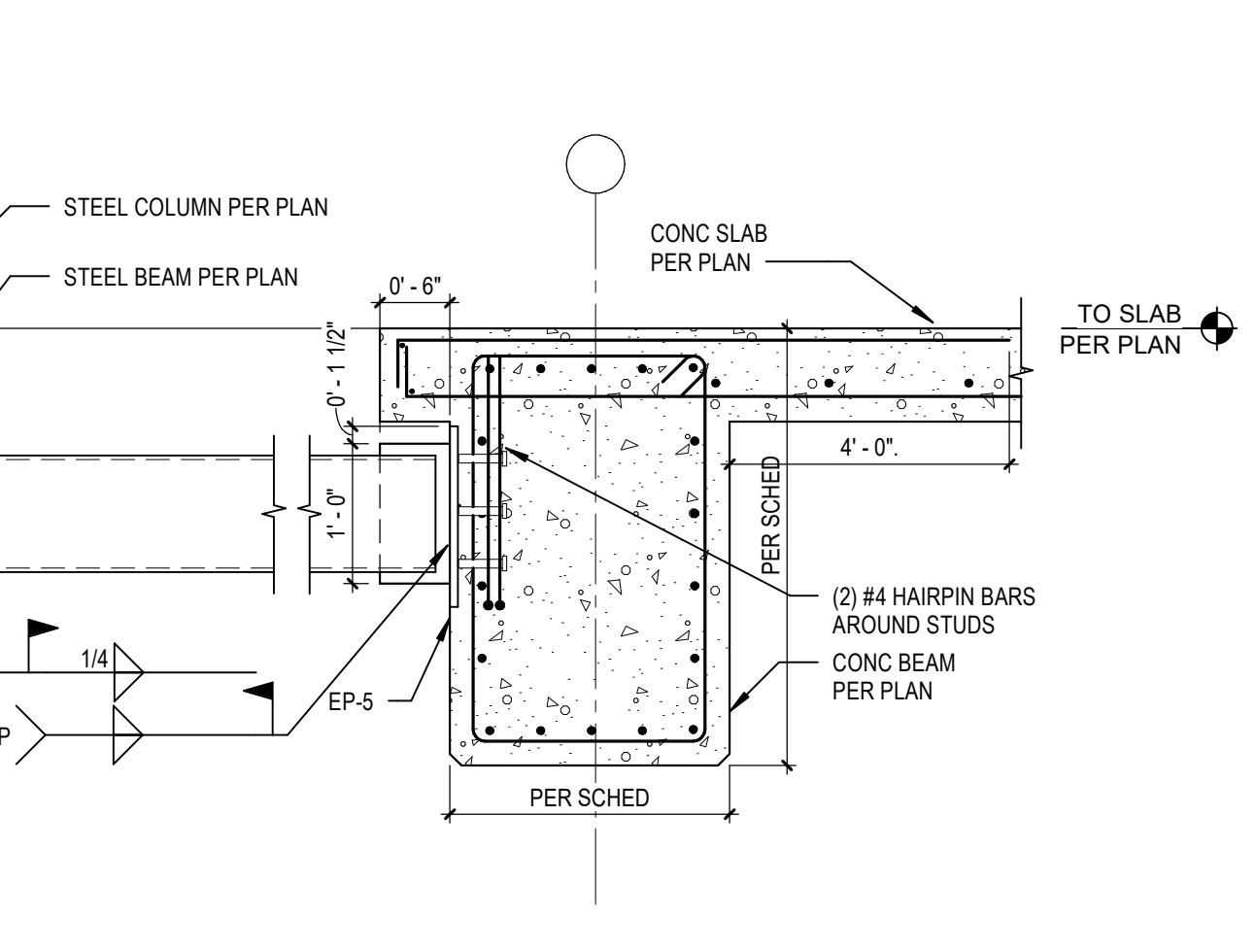
25 SECTION
S4.2.i SCALE: 3/4" = 1'-0"



26 SECTION
S4.2.i SCALE: 3/4" = 1'-0"

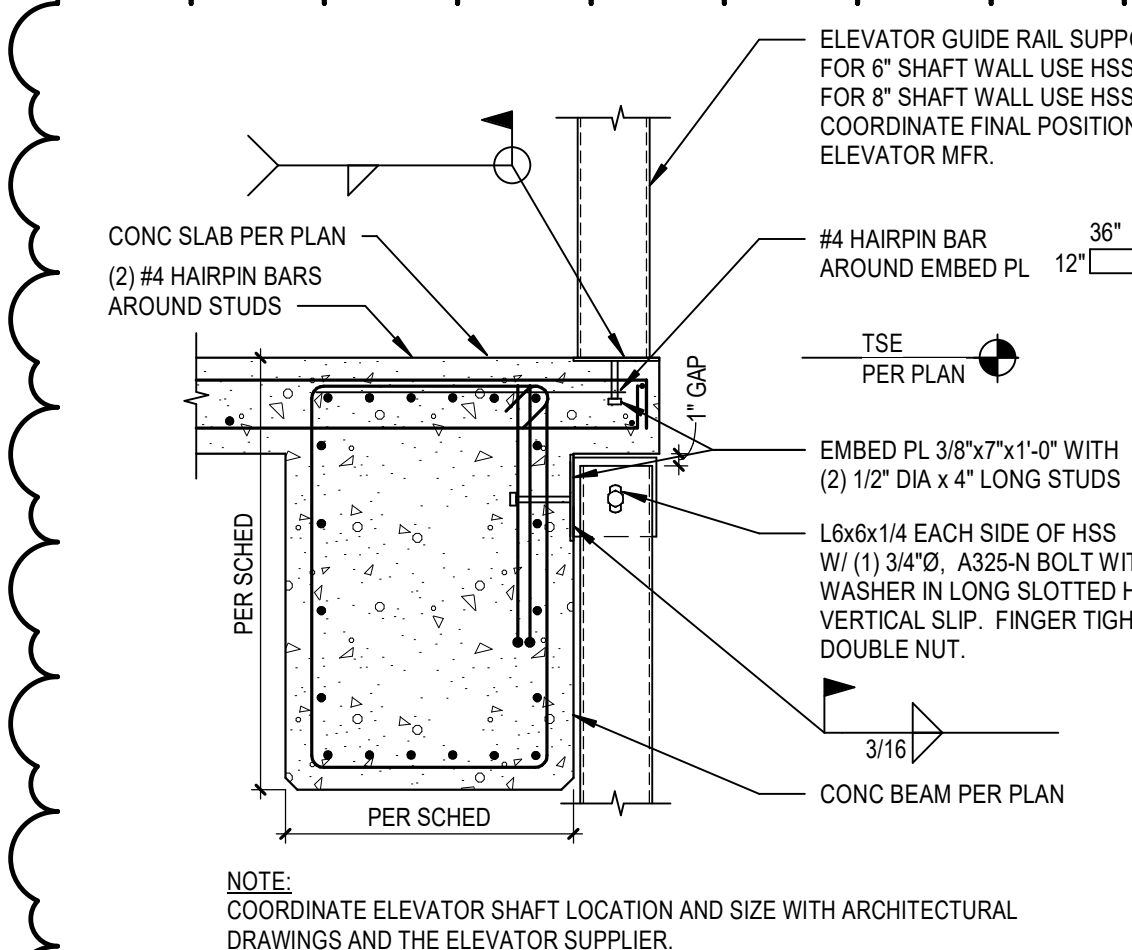


31 TYP CONCRETE BEAM DETAIL
S4.2.i SCALE: 3/4" = 1'-0"

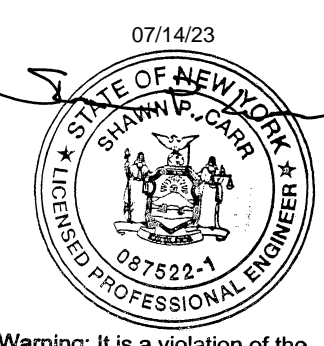


33 TYP CONCRETE FLOOR AND WALL OPENING
S4.2.i SCALE: 3/4" = 1'-0"

- NOTES:
- WHERE CLEAR SPACING BETWEEN ADJACENT SLEEVES IS LESS THAN 3" THE SLEEVE GROUP SHALL BE TREATED AS AN EQUIVALENT RECTANGULAR OPENING WITH LENGTH "L" AND WIDTH "W" AS SHOWN.
 - REINFORCEMENT SHOWN IS IN ADDITION TO SCHEDULED SLAB REINFORCEMENT.
 - SCHEDULED SLAB MESH REINFORCEMENT MAY BE CUT AS REQUIRED TO MISS PIPE SLEEVES.
 - REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR LOCATION AND SIZE OF SLEEVES.
 - ISOLATED PIPE SLEEVES THAT ARE SMALLER THAN 5" AND DO NOT INTERRUPT REINFORCEMENT DO NOT REQUIRE THE USE OF THIS DETAIL.
 - THIS DETAIL SHOULD NOT BE USED FOR OPENING GROUPS WITH DIAMETERS LARGER THAN 12" CONSULT STRUCTURAL ENGINEER FOR FRAMING OF SUCH CONDITIONS.
 - PROVIDE HALF OF INTERRUPTED REINFORCEMENT PLUS ONE ADDITIONAL BAR OF SAME SIZE ON EACH SIDE OF EQUIVALENT RECTANGULAR OPENING. PROVIDE A MINIMUM OF 1#4 TOP AND BOTTOM EACH SIDE OF OPENING.



35 SECTION
S4.2.i SCALE: 3/4" = 1'-0"



Warning: It is a violation of the law for any person, unless acting under the direction of a licensed Design Professional, to alter an item in any way.

REBID DUTCHESS STADIUM NEW LEFT FIELD CLUBHOUSE, SEATING BOWL, & RESTROOM BUILDING
OWNER: DUTCHESS COUNTY, 22 MARKET STREET POUGHKEEPSIE, NY 12601
1500 ROUTE 90, FISHKILL, NY 12530

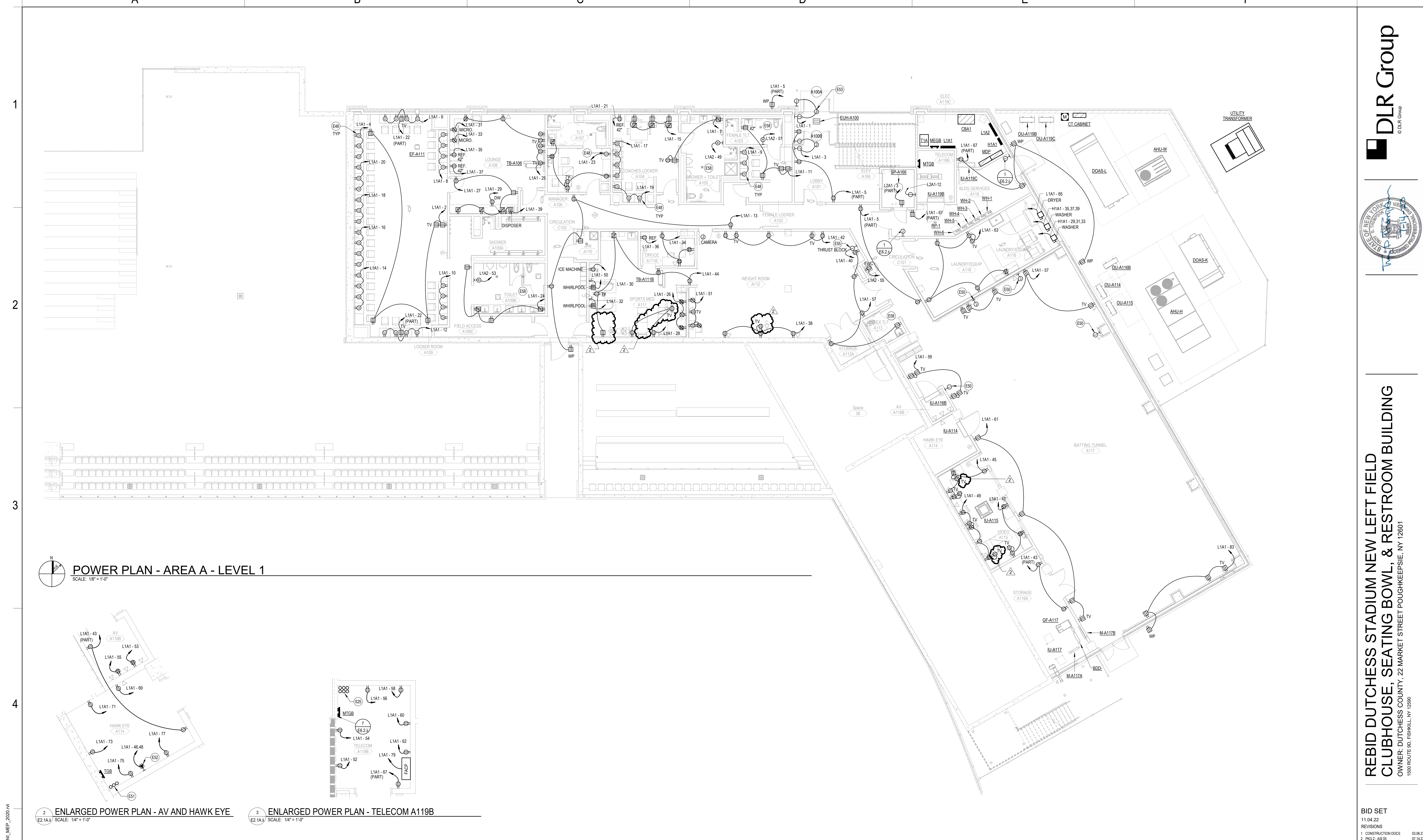
BID SET

11.04.22	
REVISIONS	
1 CONSTRUCTION DOCS	03.06.23
2 ASI 002	04.27.23
3 ASI 002	07.14.23

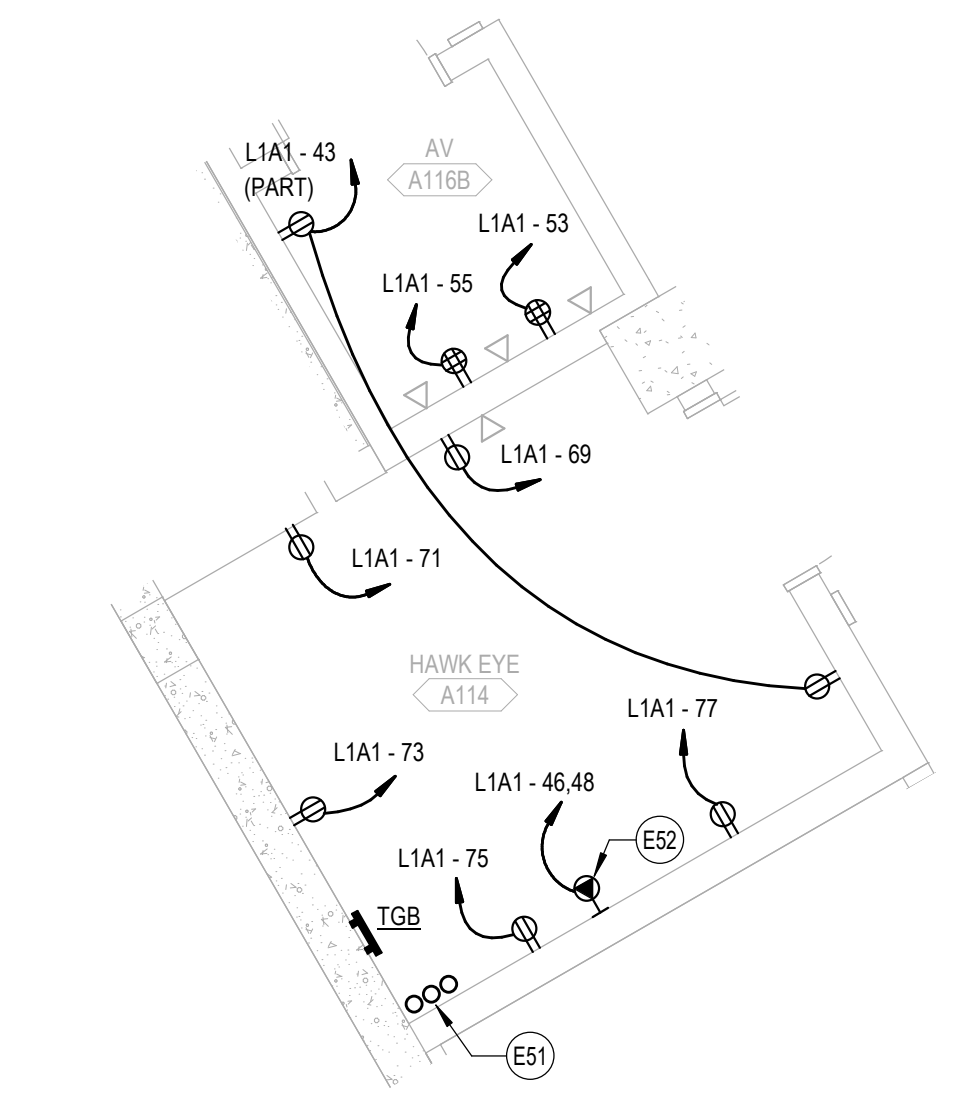
57-21113-00
STRUCTURAL SECTIONS

S4.2.ii

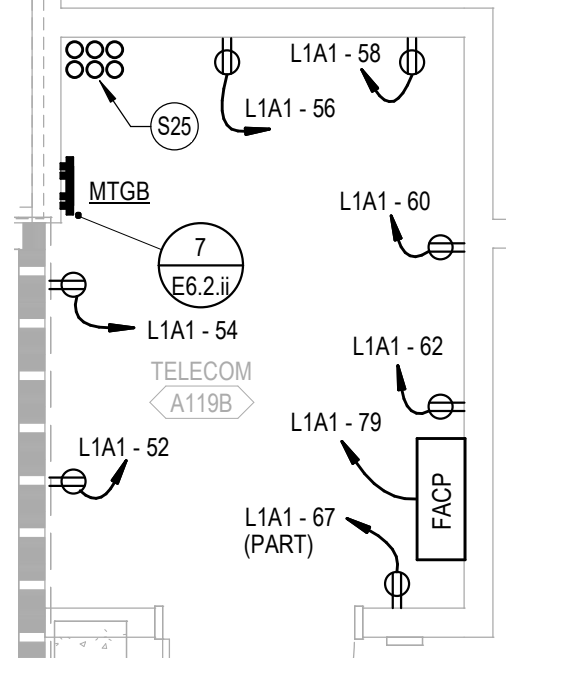
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POWER PLAN - AREA A - LEVEL 1
SCALE: 1/8" = 1'-0"



2 ENLARGED POWER PLAN - AV AND HAWK EYE
E2.1A.i SCALE: 1/4" = 1'-0"



3 ENLARGED POWER PLAN - TELECOM A119B
E2.1A.i SCALE: 1/4" = 1'-0"

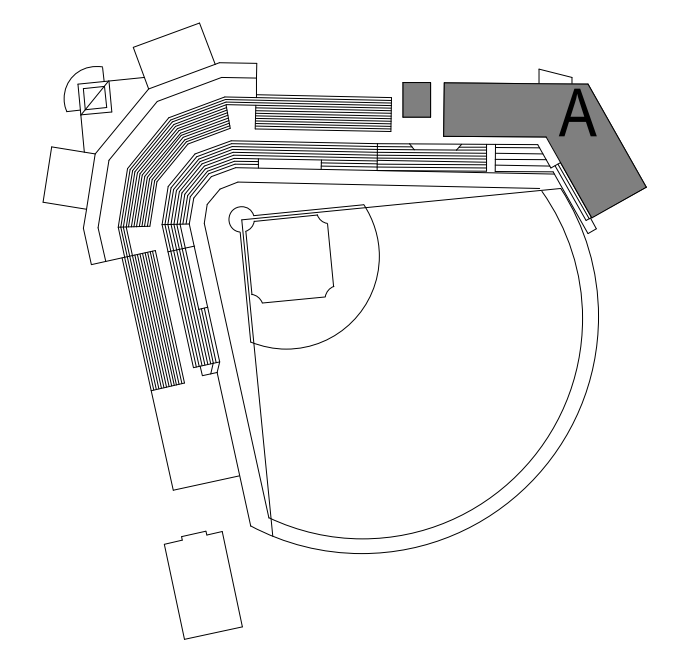
GENERAL NOTES

- A COORDINATE HEIGHTS OF DUPLEX RECEPTACLES SERVING TELEVISIONS (DENOTED TV) OR DISPLAYS (DENOTED DISPLAY) WITH ARCHITECT PRIOR TO INSTALL. COORDINATE EXACT LOCATIONS OF TELEVISION AND DISPLAY OUTLETS WITH TV MOUNTING BRACKET SUCH THAT OUTLETS ARE BEHIND THE VIDEO DISPLAYS AND TELEVISION SCREENS, BUT DOES NOT INTERFERE WITH BRACKETS.

SHEET NOTES

- E48 POWER FOR LOCKERS. REFER TO ARCHITECTURAL SHEETS FOR HEIGHT OF DEVICE.
- E50 BACKBOX WITH CONDUIT FOR CAMERA.
- E51 ROUTE (3) EMPTY 2-INCH CONDUITS WITH PULLSTRING FROM IT ROOM A119B.
- E52 NEMA LS-30R. PROVIDE (2) #10, #10G IN 3/4" C. TO PANEL INDICATED. INSTALL AT LADDER RACK HEIGHT.
- E53 POWER OPERATED DOOR. PROVIDE POWER TO DOOR. INSTALL AND WIRE ACTUATORS FURNISHED WITH DOOR HARDWARE UNDER DIV 8. ROUTE CIRCUIT VIA A RELAY CONTROLLED BY ACCESS CONTROL SYSTEM.
- E55 CAP CONDUCTORS BEHIND FACEPLATE.
- E58 CIRCUIT LAVATORIES AND WASH FOUNTAINS IN THIS SPACE TO L1A1-81. PROVIDE ALL CONNECTIONS FOR A COMPLETE WORKING SYSTEM, INCLUDING INSTALLATION OF PLUG-IN TRANSFORMER AND RECEPTACLE FOR PLUG-IN BREAKER.
- S25 ROUTE (3) EMPTY 2-INCH CONDUITS WITH PULLSTRING FROM EXTERIOR HANDHOLE. ROUTE (3) EMPTY 2-INCH CONDUITS WITH PULLSTRING TO HAWK EYE A114.

KEY PLAN



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1

2

3

4

5

A

B

C

D

E

GENERAL NOTES

- A COORDINATE HEIGHTS OF TELEVISION OUTLETS WITH ARCHITECT PRIOR TO INSTALL. COORDINATE EXACT LOCATIONS OF TELEVISION OUTLETS WITH TV MOUNTING BRACKET SUCH THAT OUTLETS ARE BEHIND THE VIDEO DISPLAYS AND TELEVISION SCREENS, BUT DOES NOT INTERFERE WITH BRACKETS.
- B CAMERAS PROVIDED BY OWNER. PROVIDE BOX AT LOCATION SHOWN AND ROUTE EMPTY CONDUIT WITH PULLSTRING TO HAWK-EYE ROOM.
- C WIRELESS ACCESS POINTS PROVIDED BY OWNER. PROVIDE BOX AT LOCATION SHOWN AND ROUTE EMPTY CONDUIT WITH PULLSTRING TO TELECOM ROOM.



SHEET NOTES

- S30 ROUTE (2) EMPTY 3-INCH CONDUITS UP TO SECOND LEVEL.

REBID DUTCHESS STADIUM NEW LEFT FIELD CLUBHOUSE, SEATING BOWL, & RESTROOM BUILDING
OWNER: DUTCHESS COUNTY, 22 MARKET STREET | Poughkeepsie, NY 12601
1500 ROUTE 9B, FISHKILL, NY 12590

BID SET
11.04.22

REVISIONS

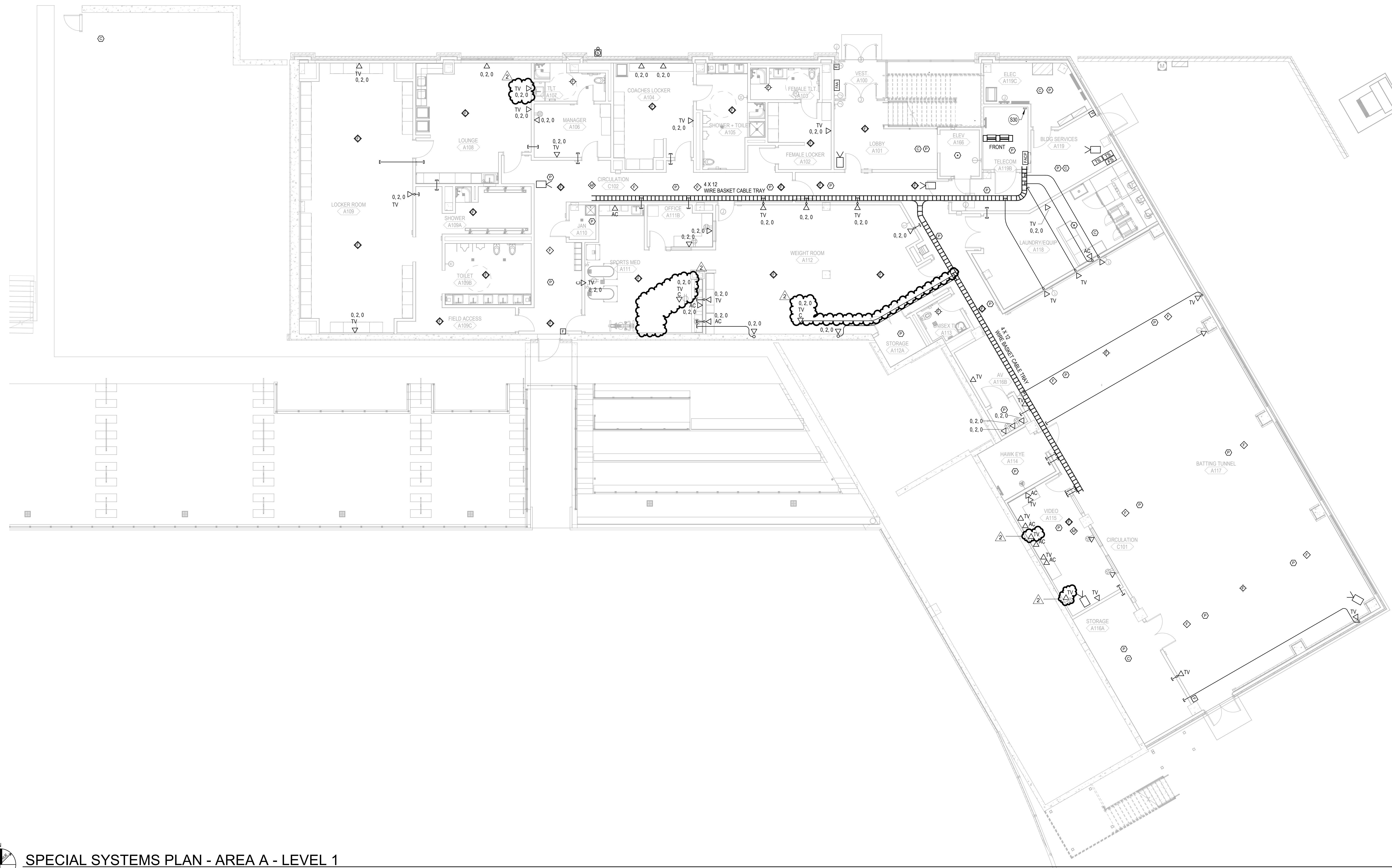
1	CONSTRUCTION DOCS	03.05.23
2	FIG 2 - ASB 05	07.14.23

57-21113-00
SPECIAL SYSTEMS PLAN - AREA A - LEVEL 1

E3.1A.ii

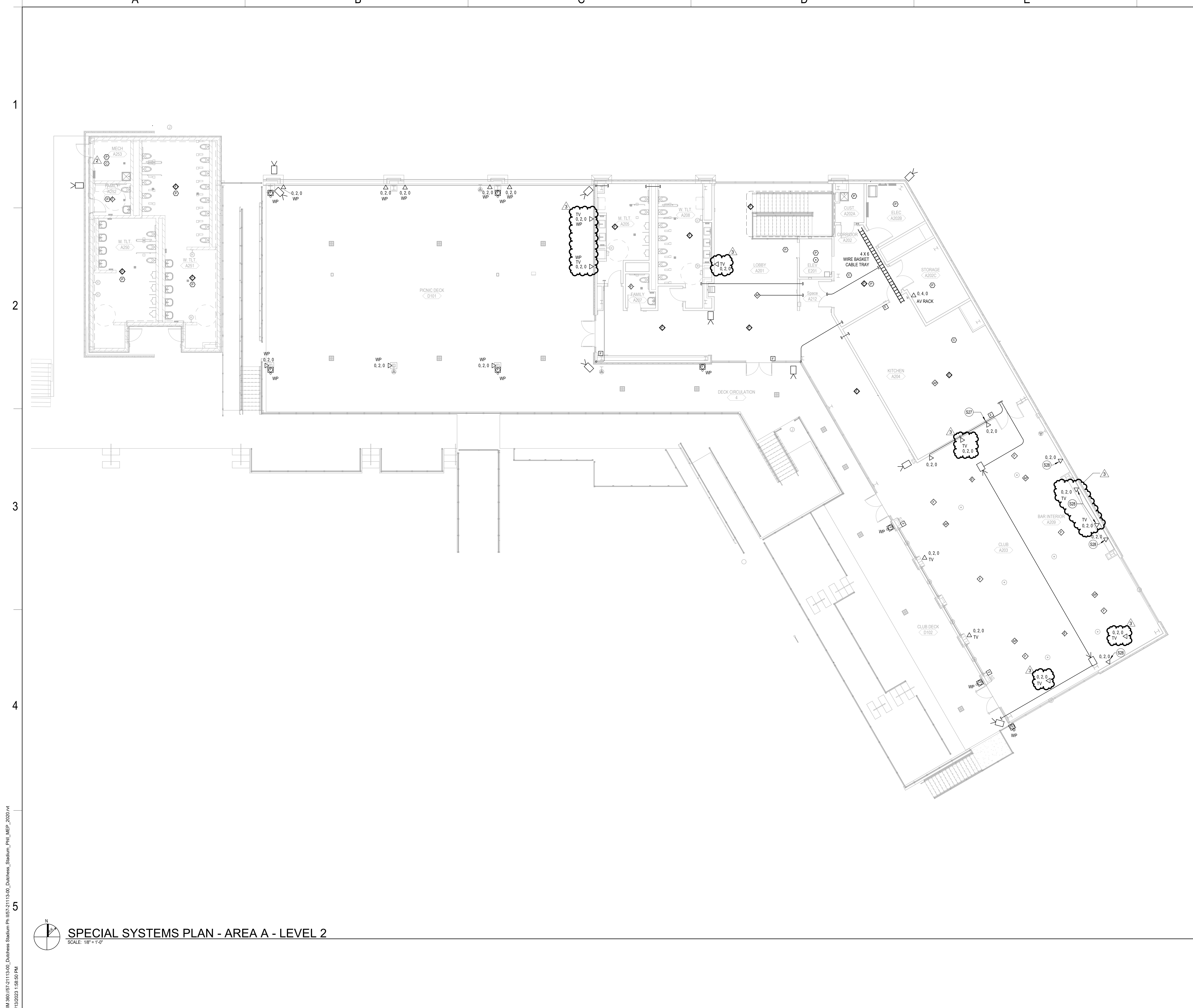
2 ENLARGED RUNWAY PLAN - A119B TELECOM
E3.1A.i | SCALE: 1/4" = 1'-0"

3 ENLARGED RUNWAY PLAN - A114 HAWK EYE
E3.1A.j | SCALE: 1/4" = 1'-0"



SPECIAL SYSTEMS PLAN - AREA A - LEVEL 1
SCALE: 1/8" = 1'-0"

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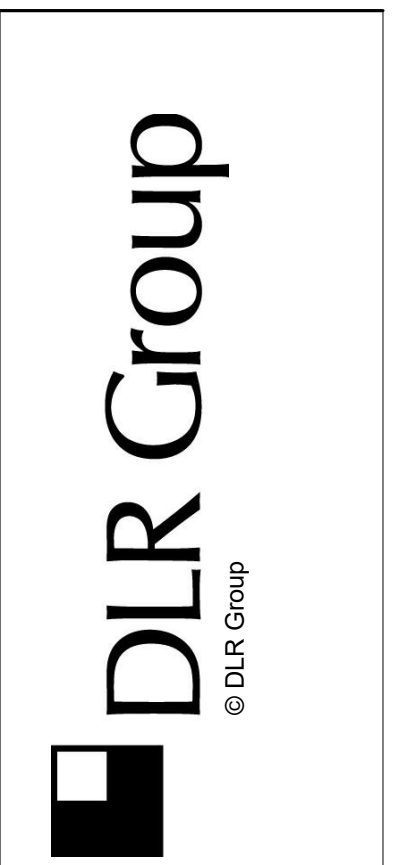
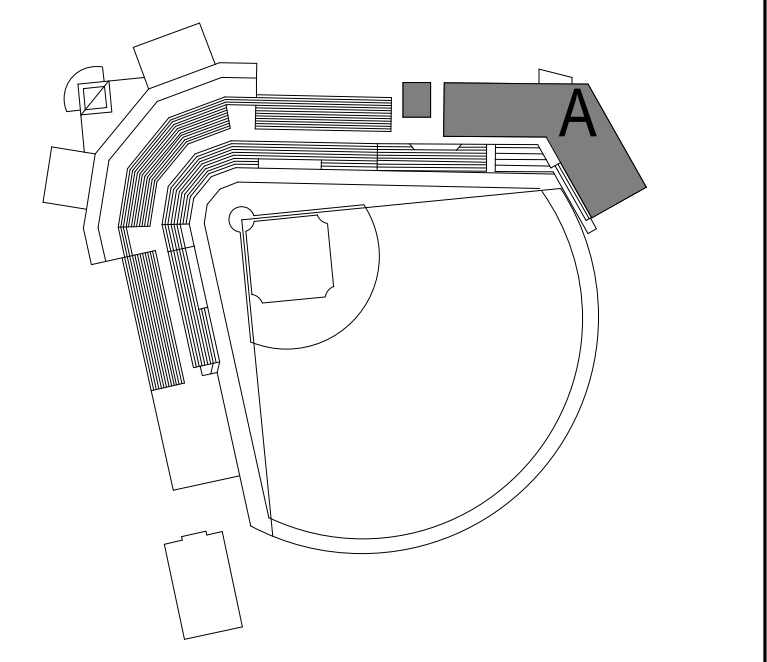
GENERAL NOTES

- A COORDINATE HEIGHTS OF TELEVISION OUTLETS WITH ARCHITECT PRIOR TO INSTALL. COORDINATE EXACT LOCATIONS OF TELEVISION OUTLETS WITH TV MOUNTING BRACKET SUCH THAT OUTLETS ARE BEHIND THE VIDEO DISPLAYS AND TELEVISION SCREENS, BUT DOES NOT INTERFERE WITH BRACKETS.
- B CAMERAS PROVIDED BY OWNER. PROVIDE BOX AT LOCATION SHOWN AND ROUTE EMPTY CONDUIT WITH PULLSTRING TO HAWK-EYE ROOM.
- C WIRELESS ACCESS POINTS PROVIDED BY OWNER. PROVIDE BOX AT LOCATION SHOWN AND ROUTE EMPTY CONDUIT WITH PULLSTRING TO TELECOM ROOM.

SHEET NOTES

- S27 STUB CONDUIT INTO ACCESSIBLE SPACE ABOVE FINISHED CEILING IN ADJACENT ROOM.
- S28 STUB CONDUIT DOWN AND EXTEND TO CABLE TRAY IN LEVEL BELOW.

KEY PLAN



REBID DUTCHESS STADIUM NEW LEFT FIELD CLUBHOUSE, SEATING BOWL, & RESTROOM BUILDING
 OWNER: DUTCHESS COUNTY, 22 MARKET STREET Poughkeepsie, NY 12601
 1500 ROUTE 90, FISHKILL, NY 12590

BID SET
 11.04.22

REVISIONS

1	CONSTRUCTION DOCS	03.05.23
2	PKG 2 - ASB 01A	04.07.23
3	PKG 2 - ASB 05	07.14.23

57-21113-00
 SPECIAL SYSTEMS PLAN - AREA A - LEVEL 2

E3.2A.ii

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SPECIAL SYSTEMS PLAN - AREA A - LEVEL 2
 SCALE: 1/8" = 1'-0"

AUDIOVISUAL DRAWING INDEX BID PACKAGE 2

TAD.01.ii	AUDIOVISUAL GENERAL NOTES
TAD.01A.ii	AUDIOVISUAL WIRING DEVICE PLAN, FIRST LEVEL - AREA A
TAD.02A.ii	AUDIOVISUAL WIRING DEVICE PLAN, SECOND LEVEL - AREA A
TAD.11A.ii	AUDIOVISUAL EQUIPMENT PLAN, FIRST LEVEL - AREA A
TAD.12A.ii	AUDIOVISUAL EQUIPMENT PLAN, SECOND LEVEL - AREA A
TA2.01A.ii	AUDIOVISUAL RCP, FIRST LEVEL - AREA A
TA2.02A.ii	AUDIOVISUAL RCP, SECOND LEVEL - AREA A
TA2.11A.ii	AUDIOVISUAL EQUIPMENT RCP, FIRST LEVEL - AREA A
TA2.12A.ii	AUDIOVISUAL EQUIPMENT RCP, SECOND LEVEL - AREA A
TA4.01.ii	ELEVATIONS, SECTIONS AND 3D VIEWS
TA5.01.ii	AUDIOVISUAL DETAILS
TA5.51.ii	AUDIOVISUAL WIRING DEVICE DETAILS
TA6.02.ii	SIGNAL BLOCK DIAGRAM, CLUB LEVEL OPTION B
TA6.04.ii	AVR-A, AUDIOVISUAL VIDEO SIGNAL BLOCK DIAGRAM
TA6.05.ii	AVR-A, SUPPLEMENTAL VIDEO SIGNAL BLOCK DIAGRAM
TA6.06.ii	AVR-A, CLUB LEVEL VIDEO SIGNAL BLOCK TERMINALS
TA6.07.ii	AVR-A, AUDIO SIGNAL BLOCK DIAGRAM
TA7.01.ii	AUDIOVISUAL SCHEDULES - AREA A
TA7.04.ii	AUDIOVISUAL SCHEDULES - AREA A, PICNIC DECK - SECOND LEVEL

REMOVE SHEET FROM SHEET INDEX:
 TA6.01.ii AUDIOVISUAL SYSTEM BLOCK DIAGRAM, CLUB LEVEL OPTION A
 TA6.03.ii INTEGRATED AUDIO SYSTEM BLOCK DIAGRAM
 TA7.03.ii ALTERNATIVE AUDIOVISUAL SCHEDULE - AREA A, SECOND LEVEL

ADDED TO SHEET INDEX:
 TA6.04.ii - AVR-A, AUDIOVISUAL VIDEO SIGNAL BLOCK DIAGRAM
 TA6.05.ii - AVR-A, SUPPLEMENTAL VIDEO SIGNAL BLOCK DIAGRAM
 TA6.06.ii - AVR-A, CLUB LEVEL VIDEO SIGNAL BLOCK TERMINALS
 TA6.07.ii - AVR-A, AUDIO SIGNAL BLOCK DIAGRAM
 TA7.04.ii - AUDIOVISUAL SCHEDULES - SECOND LEVEL

MODIFIED:
 TAD.01.ii - AUDIOVISUAL GENERAL NOTES
 TA2.01A.ii - AUDIOVISUAL RCP, FIRST LEVEL - AREA A
 TA2.02A.ii - AUDIOVISUAL RCP, SECOND LEVEL - AREA A
 TA2.11A.ii - AUDIOVISUAL EQUIPMENT RCP, FIRST LEVEL - AREA A
 TA2.12A.ii - AUDIOVISUAL EQUIPMENT RCP, SECOND LEVEL - AREA A
 TA4.01.ii - ELEVATIONS, SECTIONS AND 3D VIEWS
 TA7.01.ii - AUDIOVISUAL SCHEDULES - AREA A

AUDIOVISUAL ABBREVIATIONS

# & @	NUMBER AND AT	M	THOUSAND
ARCH	APPROXIMATE ARCHITECTURAL	MAX	MAXIMUM
ADA	AMERICANS WITH DISABILITY ACT	MECH	MECHANICAL
ADDN	ADDITION OR ADDITIONAL	MEZZ	MEZZANINE
AFF	ABOVE FINISHED FLOOR	MFR	MANUFACTURER
AFC	ABOVE FINISHED GRADE	MIC	MICROPHONE
AHJ	AUTHORITY HAVING JURISDICTION	MIN	MINIMUM
ALS	ASSISTED LISTENING SYSTEM	MISC	MISCELLANEOUS
ALT	ALTERNATE	MON	MONITOR
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	MTD	MOUNTED
APPROX	APPROXIMATE	MTG	MOUNTING
AUTO	AUTOMATIC	N	NORTH
AWG	AMERICAN WIRE GAUGE	N/A	NOT APPLICABLE
BA	BUILDING AUTOMATION SYSTEM	NEC	NATIONAL ELECTRIC CODE
BLDG	BUILDING	NIC	NOT IN CONTRACT
BRI	BASIC RATE INTERFACE	NCM	NOMINAL
BSMT	BASEMENT	NTS	NOT TO SCALE
BTU	BRITISH THERMAL UNIT	OC	ON CENTER
C	CONDUIT	OD	OUTSIDE DIAMETER
CATV	CABLE / COMMUNITY ANTENNA TELEVISION	OFE	OWNER FURNISHED EQUIPMENT
CCTV	CLOSED CIRCUIT TELEVISION	OFOI	OWNER FURNISHED OWNER INSTALLED
CKT	CIRCUIT	OPO	OPPOSITE
CL	CENTER LINE	OHV	OVERHEAD
CLG	CeILING	PA	PUBLIC ADDRESS
CM	CONSTRUCTION MANAGER	PAR	PARALLEL
COMM	COMMUNICATIONS	PB	PULL BOX
CONC	CONCRETE	PB	PULL BOX
CONN(S)	CONNECTION(S)	PERP	PERPENDICULAR
CONST	CONSTRUCTION	PHX	PHENIX CONNECTOR
CONT	CONTINUOUS	PLYWD	PLYWOOD
CONTR	CONTRACTOR	PNL	PANEL
CTR	CENTER	POTS	PUBLIC OLD TELEPHONE SERVICE
D	DEPTH	PRI	PRIMARY RATE INTERFACE
DB	DECIBEL	PWR	POWER
DC	DIRECT CURRENT	QTY	QUANTITY
DEG	DEGREE	RAD	RADIUS
DEMO	DEMOLISH OR DEMOLITION	RCP	REFLECTED CEILING PLAN
DET	DETAIL	REF	REFERENCE
DIA	DIAMETER	REQ(D)	REQUIRED
DM	DIMENSION	REV	REVISION(S)
DN	DOWN	RM	ROOM
DWG(S)	DRAWING(S)	RND	ROUND
E	EAST	RSC	RIGID STEEL CONDUIT
EA	EACH	S	SOUTH
EC	ELECTRICAL CONTRACTOR	SATV	SATELLITE TELEVISION
EL	ELEVATION	SBD	SCHEMATIC BLOCK DIAGRAM
ELEC	ELECTRICAL	SCHED	SCHEDULE
ELEV	ELEVATOR	SCRN	PROJECTION SCREEN
EMT	ELECTRICAL METALLIC TUBING	SECT	SECTION
ENG	ENGINEER	SHIT	SHEET
EQ	EQUAL	SIM	SIMILAR
EQUIP	EQUIPMENT	SL	TO THE LEFT FROM ACTOR PERSPECTIVE
EQUIV	EQUIVALENT	SPEC	SPECIFICATION(S)
EXIST	EXISTING	SPKR	SPEAKER
EXT	EXTERIOR	SR	TO THE RIGHT FROM ACTOR PERSPECTIVE
F	FLOOR	STD	STANDARD
FV	FIELD VERIFY	STL	STEEL
FB	FLOOR BOX	STOR	STORAGE
FBO	FURNISHED BY OTHERS	STRUCT	STRUCTURAL
FFE	FURNITURE FIXTURES & EQUIPMENT	SUSP	SUSPENDED
FIB	FIBER	SWBD	SWITCHBOARD
FIN	FINISHED	SYM	SYMMETRICAL
FL	FLOOR	TBC	TO BE COORDINATED
FT	FEET	TBD	TO BE DETERMINED
FUT	FUTURE	TEMP	TEMPORARY
GC	GENERAL CONTRACTOR	TRM	TERMINAL STRIPLUG
GOV/T	GOVERNMENT	TV	TELEVISION
H	HEIGHT	TYP	TYPICAL
HD	HIGH DEFINITION	UG	UNDERGROUND
HL	TO THE LEFT FROM AUDIENCE PERSPECTIVE	UL	UNDERWRITERS LABORATORIES
HORIZ	HORIZONTAL	UNEX	UNEXCAVATED
HR	TO THE RIGHT FROM AUDIENCE PERSPECTIVE	UNFIN	UNFINISHED
HV	HIGH VOLTAGE	UNO	UNLESS NOTED OTHERWISE
HZ	HERTZ (FREQUENCY)	V	VOLT
i.e.	THAT IS	VA	VOLT-AMPERE
IBC	INTERNATIONAL BUILDING CODE	VERT	VERTICAL
IG	ISOLATED GROUND	VEST	VESTIBULE
IMC	INTERMEDIATE METAL CONDUIT	VF	VERIFY IN FIELD
IN	INCH	VTC	VIDEO TELECONFERENCING
INT	INTERIOR	W	WIRE
IR	INFRARED	W	WEST
ISDN	INTEGRATED SERVICES DIGITAL NETWORK	WATT	WATT
J	JUNCTION BOX	W	WITH
LAN	LOCAL AREA NETWORK	W/O	WITHOUT
LB(S)	POUND(S)	WAN	WIDE AREA NETWORK
LV	LOW VOLTAGE	WG	WIRE GUARD
		WP	WEATHER-PROOF (NEMA 3R)

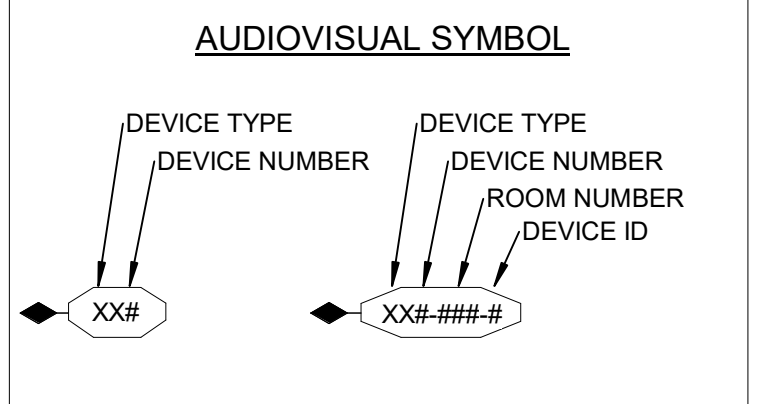
AUDIOVISUAL ABBREVIATIONS

M	THOUSAND
MATV	MASTER ANTENNA TELEVISION
MAX	MAXIMUM
MECH	MECHANICAL
MEZZ	MEZZANINE
MFR	MANUFACTURER
MIC	MICROPHONE
MIN	MINIMUM
MISC	MISCELLANEOUS
MON	MONITOR
MTD	MOUNTED
MTG	MOUNTING
N	NORTH
N/A	NOT APPLICABLE
NEC	NATIONAL ELECTRIC CODE
NIC	NOT IN CONTRACT
NCM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFE	OWNER FURNISHED EQUIPMENT
OFOI	OWNER FURNISHED OWNER INSTALLED
OPO	OPPOSITE
OHV	OVERHEAD
PA	PUBLIC ADDRESS
PAR	PARALLEL
PB	PULL BOX
PERP	PERPENDICULAR
PHX	PHENIX CONNECTOR
PLYWD	PLYWOOD
PNL	PANEL
POTS	PUBLIC OLD TELEPHONE SERVICE
PRI	PRIMARY RATE INTERFACE
PWR	POWER
QTY	QUANTITY
RAD	RADIUS
RCP	REFLECTED CEILING PLAN
REF	REFERENCE
REQ(D)	REQUIRED
REV	REVISION(S)
RM	ROOM
RND	ROUND
RSC	RIGID STEEL CONDUIT
S	SOUTH
SATV	SATELLITE TELEVISION
SBD	SCHEMATIC BLOCK DIAGRAM
SCHED	SCHEDULE
SCRN	PROJECTION SCREEN
SECT	SECTION
SHIT	SHEET
SIM	SIMILAR
SL	TO THE LEFT FROM ACTOR PERSPECTIVE
SPEC	SPECIFICATION(S)
SPKR	SPEAKER
SR	TO THE RIGHT FROM ACTOR PERSPECTIVE
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
SUSP	SUSPENDED
SWBD	SWITCHBOARD
SYM	SYMMETRICAL
TBC	TO BE COORDINATED
TBD	TO BE DETERMINED
TEMP	TEMPORARY
TRM	TERMINAL STRIPLUG
TV	TELEVISION
TYP	TYPICAL
UG	UNDERGROUND
UL	UNDERWRITERS LABORATORIES
UNEX	UNEXCAVATED
UNFIN	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
V	VOLT
VA	VOLT-AMPERE
VERT	VERTICAL
VEST	VESTIBULE
VF	VERIFY IN FIELD
VTC	VIDEO TELECONFERENCING
W	WIRE
W	WEST
WATT	WATT
W	WITH
W/O	WITHOUT
WAN	WIDE AREA NETWORK
WG	WIRE GUARD
WP	WEATHER-PROOF (NEMA 3R)

AUDIOVISUAL CONNECTORS

CONNECTOR SYMBOL	DESCRIPTION
	NEUTRIK DBA-BL BLANK PLATE
	NEUTRIK NBB75DFGX BNC CONNECTOR
	NEUTRIK CAT6a N8FDX-P-B ETHERCON CONNECTOR
	F CONNECTOR
	NEUTRIK NAHDMI-W-B HDMI CONNECTOR
	NEUTRIK NL4MP SPEAKER CONNECTOR
	NEUTRIK NO2-4FDW-1-A OPTICAL CONDUIT CONNECTOR
	NEUTRIK NO4FDW-A OPTICAL CONDUIT QUAD CONNECTOR
	NEUTRIK NAUSB3-B USB CONNECTOR
	NEUTRIK NC3FD-L-B-1 3 POLE FEMALE XLR CONNECTOR
	NEUTRIK NC3MD-L-B-1 3 POLE MALE XLR CONNECTOR
	CORNING 740-0432-006 CERAMIC SINGLE MODE OR MULTIMODE FIBER OPTIC CONNECTOR
	HUBBELL CAT6 HJ6BKB RJ45 JACK
	HUBBELL CAT6a HJ6ABK RJ45 JACK
	NEUTRIK NL8MPR-BAG 8 POLE SPEAKER CONNECTOR
	LEMO EDW 3K 83C HYBRID FIBER OPTIC CONNECTOR
	TRIAx
	DUPLEx 120V-IG 20 AMP POWER
	NEMA L21-30 120/208V 30 AMP POWER

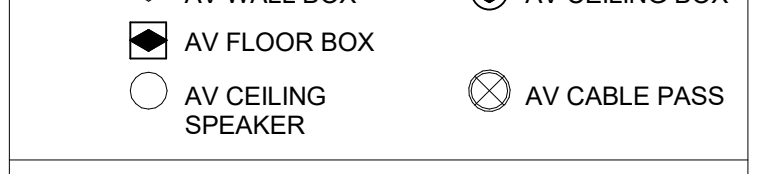
AUDIOVISUAL SYMBOLS



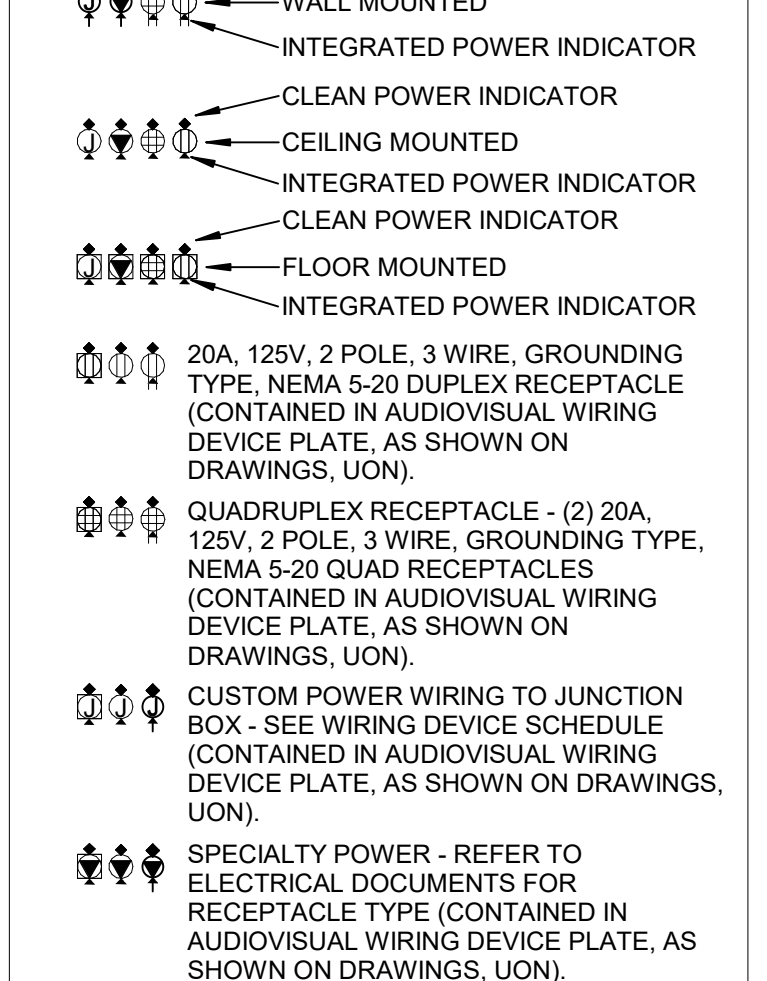
AUDIOVISUAL SYMBOL TYPICAL ID KEY

AV	AUDIOVISUAL TERMINATION
AVR	AUDIOVISUAL EQUIPMENT RACK
CS	CEILING LOUSPEAKER
CT	CONTROL DEVICE TERMINATION
FB	FLOORBOX TERMINATION
IC	INTERCOM TERMINATION
JBS	JUNCTION BOX
LM	LINE MICROPHONE TERMINATION
LT	LOUSPEAKER TERMINATION
SW	SUBWOOFER TERMINATION
VC	VOLUME CONTROL TERMINATION
VT	VIDEO TERMINATION

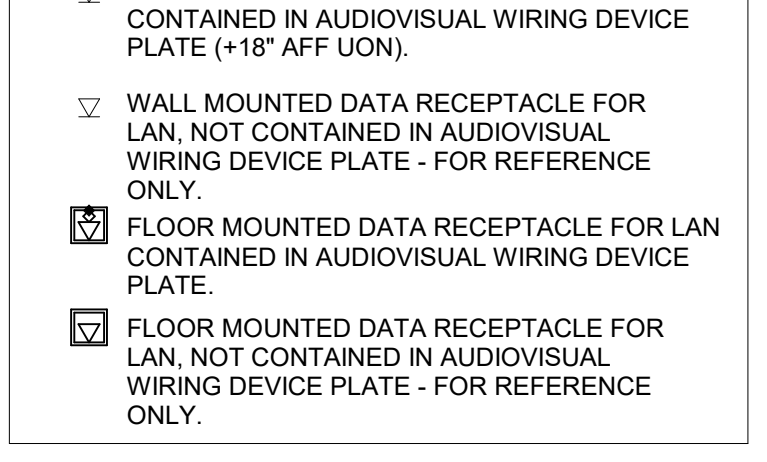
AUDIOVISUAL SYMBOL TYPE



POWER SYMBOLS



DATA SYMBOLS



AUDIOVISUAL CONDUIT SEPARATION DETAILS

SEE WRITTEN SPECIFICATIONS FOR DETAILS. AUDIOVISUAL SYSTEM WIRING GROUPS ARE COMPRISED ACCORDING TO THEIR NOMINAL VOLTAGE LEVELS (REFER TO TERMINATION SCHEDULE). NEVER INTERMIX GROUPS WITHIN A GIVEN CONDUIT!

GROUP	VOLTAGE	CONDUCTORS
GROUP A	0mV-100mV (MIC OR LINE LEVEL)	
GROUP B	100mV-10V (COM LEVEL)	
GROUP C	10V-70V (LOUSPEAKER LEVEL AND CONTROL WIRING)	
GROUP D	TELEPHONE, VIDEO, DATA, AND DIGITAL CIRCUITS	
GROUP E	FIBER OPTIC CABLE	
GROUP PWR	HIGH VOLTAGE POWER CABLE	

MINIMUM CONDUIT SEPARATION BETWEEN CONDUITS CARRYING WIRING OF DIFFERENT GROUPS IS AS FOLLOWS: (90 DEG. CROSSINGS ARE ACCEPTABLE)

	GROUP A	GROUP B	GROUP C	GROUP D	GROUP E
ADJACENT	6" 3"	1.5" 12"	6" 3"	12" 6"	3" 3"
ADJACENT	-	ADJACENT	12" 6"	6" 3"	1.5" ADJACENT
ADJACENT	-	-	ADJACENT	6" 3"	1.5" ADJACENT
ADJACENT	-	-	-	ADJACENT	ADJACENT

MINIMUM CONDUIT SEPARATION BETWEEN CONDUITS CARRYING WIRING OF DIFFERENT GROUPS AND OTHER ELECTRICAL SYSTEMS AS FOLLOWS:
NOTE: HEAVY CURRENT DEMANDS OR LONG RUNS MAY REQUIRE GREATER SEPARATION TO AVOID INTERFERENCE WITH AUDIO SIGNALS

	GROUP A	GROUP B	GROUP C	GROUP D	GROUP E
DIMMER CONTROLLED LIGHTING FIXTURE	24" 12"	6" 12"	6" 3"	6" 3"	1.5" 12" 6" 3"
SCR CONTROLLED SERVICES	24" 12"	6" 12"	6" 3"	6" 3"	1.5" 12" 6" 3"
208/240 CIRCUITS	24" 12"	6" 12"	6" 3"	6" 3"	1.5" 12" 6" 3"
ALL OTHER SERVICES	12" 6"	3" 6"	3" 1.5" ADJACENT	ADJACENT	ADJACENT
TRANSFORMERS, MOTORS	50'	25'	15'	15'	ADJACENT
*EXCLUDES AV ISOLATED TRANSFORMER					

- WHEN IT IS NECESSARY TO DEVIATE FROM THE SPECIFIED CONDUIT/CABLE RUN DUE TO UNFORSEEN FIELD CONDITIONS, MAINTAIN GROUP SEPARATIONS USING THE EMT-EMT DISTANCES AS SPECIFIED ABOVE WITH PLENUM RATED CABLE. PROVIDE IN WRITING THE ALTERNATE TRANSMISSION METHOD AND CABLE SPECIFICATIONS FOR APPROVAL BY THE ARCHITECT.
- TERMINATIONS OF SHIELDS SHALL BE AS FOLLOWS:
 - TERMINATE THE SINGLE-POINT GROUNDED END OF A SHIELD CABLE WITH AN INSULATING SLEEVE OVER THE JACKET TERMINATION AND A PIECE OF TUBING OVER THE DRAIN WIRE.
 - NEVER TERMINATE THE SHIELD OF A BALANCED AUDIO LINE AT BOTH ENDS. ALWAYS LIFT THE LOAD SIDE.
 - THE SHIELD MUST BE COMPLETELY INSULATED AND NOT BECOME GROUNDED OR SHORTED TO ANOTHER CABLE.
 - FOR CABLE RUNS OVER 1000'-0" OR IN HIGH EMI AREAS (+10mG), IT IS ACCEPTABLE TO EITHER BREAK THE SHIELD TO REDUCE ITS LENGTH OR PROVIDE A CAPACITOR AT ONE END.
 - WHEN TERMINATING SHIELDED CABLE ALWAYS KEEP THE UNSHIELDED PORTION 1" OR LESS.
 - ALWAYS MAINTAIN SHIELD CONTINUITY AND ISOLATION FROM GROUND THROUGH ALL BOXES OR MULTI-POINT CONNECTORS UNON.
- CONDUIT SIZING ON TA7 SERIES DRAWINGS ARE NOMINAL, AND MUST BE VERIFIED BASED ON FIELD CONDITIONS.
- LOW-VOLTAGE CONDUITS TO BE RUN PER REQUIREMENTS IN DIVISION 26 SPECIFICATIONS.

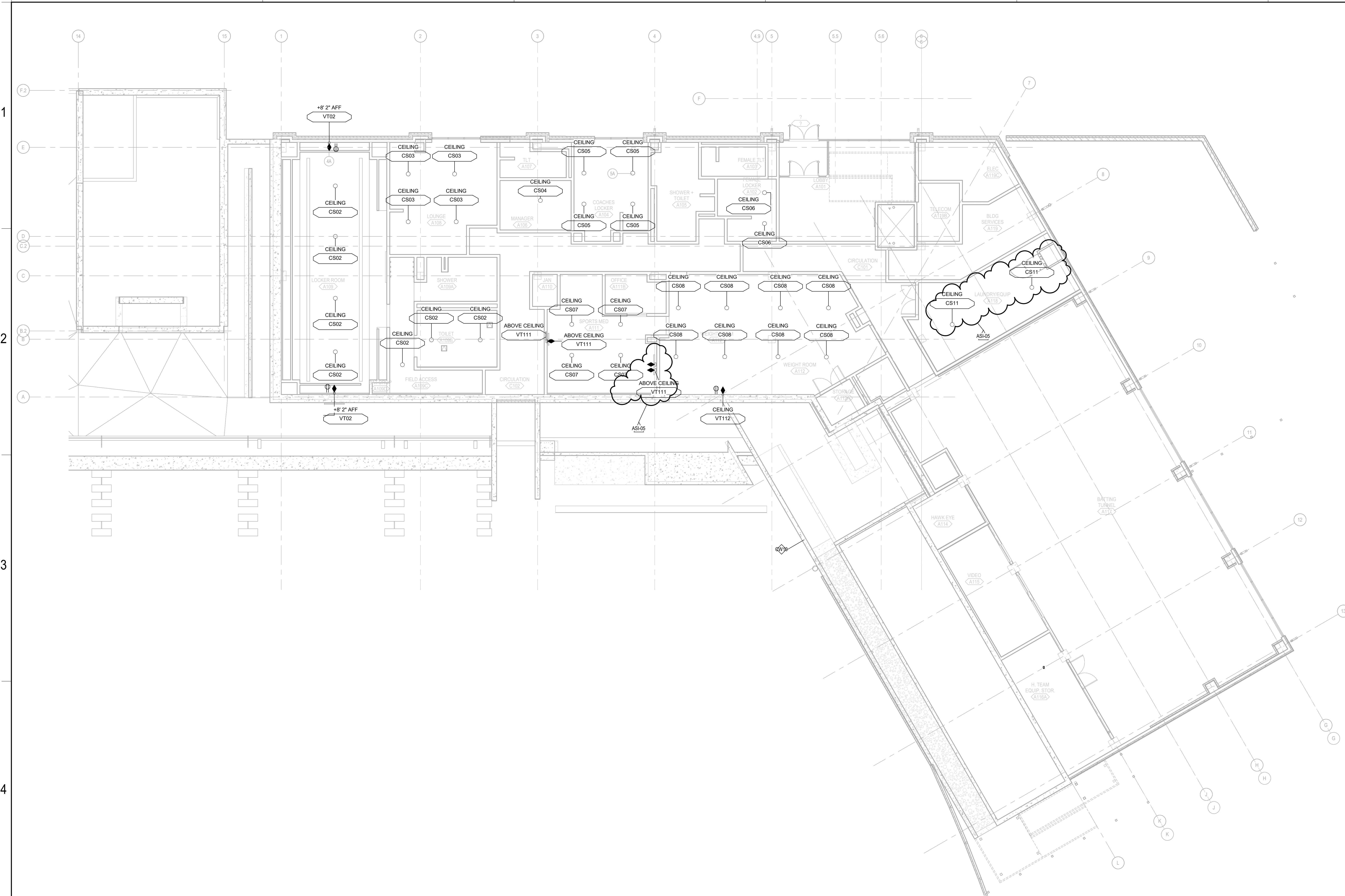
- FOR CONDUIT FILL REFER TO THE MOST RECENT VERSION OF NEC AS APPLICABLE
- 40% FILL FOR 3+ CABLES
 - 31% FILL FOR 2 CABLES
 - 53% FILL FOR A SINGLE CABLE
- JAM RATIO SHALL BE CALCULATED USING THE CONDUIT ID/CABLE OD METHOD AND SHALL NOT FALL BETWEEN 2.8-3.2

AUDIOVISUAL CABLE (DIMENSIONS IN INCHES)

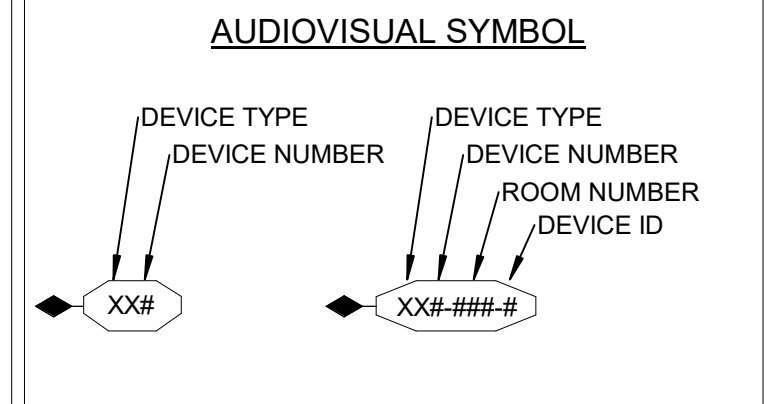
NAME	TYPE	DESCRIPTION	MFR.	PART #	GROUP	O.D. [in]	AREA [sq. in]
ANTENNA	ANTENNA CABLE	10 AWG RG-8U 50 OHM CABLE	BELDEN	9914	D	0.403	0.128
AUDIO	SPEAKER CABLE 12-2 AWG	23 AWG CATEGORY 6	BELDEN	9460	A	0.230	0.042
COM	PRODUCTION INTERCOM OR Q-LIGHT	18 AWG SHIELDED TWISTED PAIR	BELDEN	9460	B	0.230	0.042
DATA-S	CAT6 UTP/UDF NO SKEW/LOW SKEW	23 AWG CATEGORY 6	BELDEN	2412	D	0.220	0.040
DATA-S	CAT6 STP	23 AWG CATEGORY 6 SHIELDED	BELDEN	1351A	D	0.290	0.105
CONTROL	RS-232 SERIAL COMM/RELAY	20 AWG STRANDED 5 CONDUCTOR, SHIELDED	BELDEN	9445	D	0.239	0.045
SMPT-E	311M AND 304M COMPLIANT CABLES	SMPT-E 311M WATERBLOCK HYBRID CABLES	BELDEN	311M HYBRID	E	13.71	
DM-F	DIGITAL MEDIA FIBER OPTIC	4 CONDUCTOR MULTIMODE	CRESTRON	CRESFIBER-NP	E	0.313	
SMPT-E	OUTDOOR BROADCAST FIBER CABLE	OPTICAL FIBER HYBRID WITH NEUTRIK CONNECTORS	CAMPLEX	opticalCON DRAGONFLY	E	0.555	
FIBER	6-STRAND MM, 6-STRAND SM FIBER	62 um MULTIMODE 4 SINGLEMODE COMPOSITE FIBER	BELDEN	897174	E	0.250	0.049
HDMI	DVI/HDMI VIDEO	HDMI CABLE ASSEMBLY	EXTRON	26-614-XX	D		
IR	22 AWG 2 CONDUCTOR SHIELDED	IR CONTROL	BELDEN	5500FE	D	0.	

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AUDIOVISUAL WIRING DEVICE RCP - LEVEL 01 - AREA A
 SCALE: 1/8" = 1'-0"

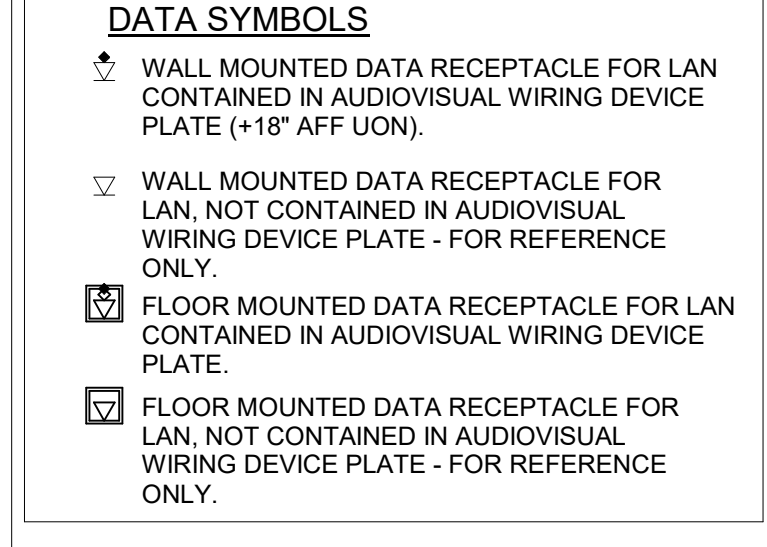
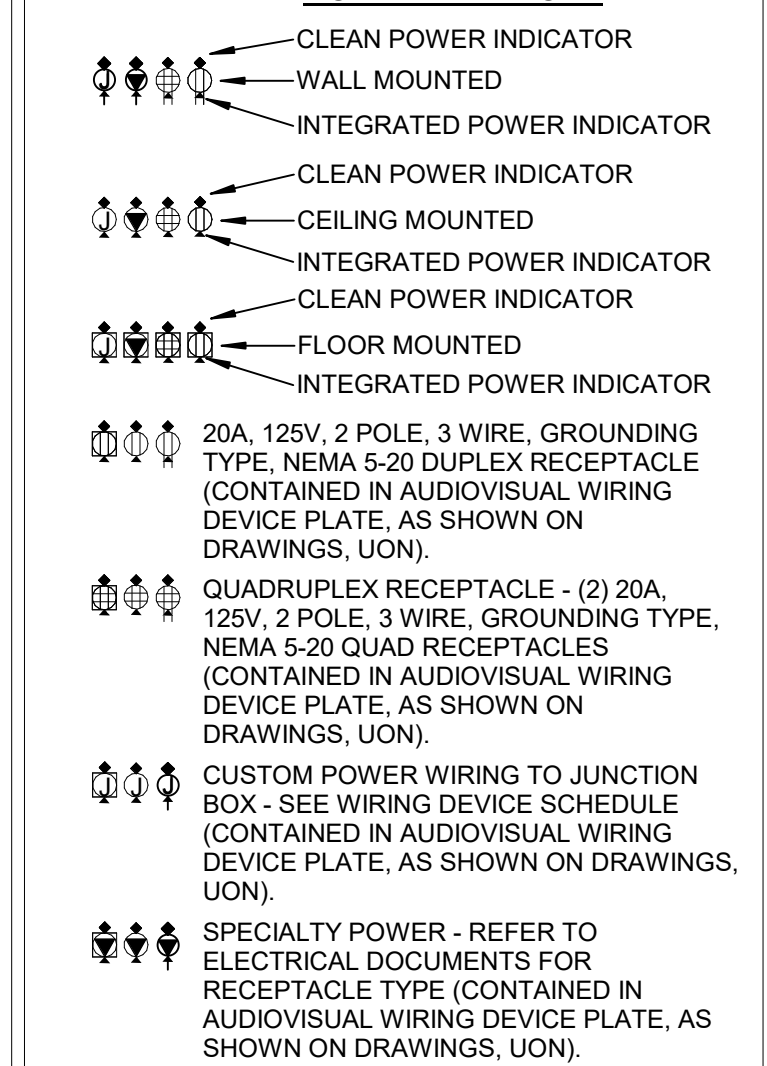
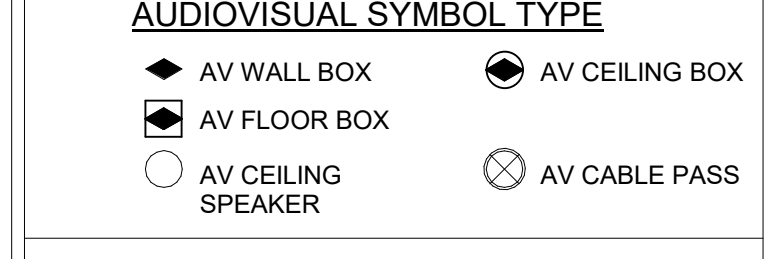


AUDIOVISUAL SYMBOLS



AUDIOVISUAL SYMBOL TYPICAL ID KEY

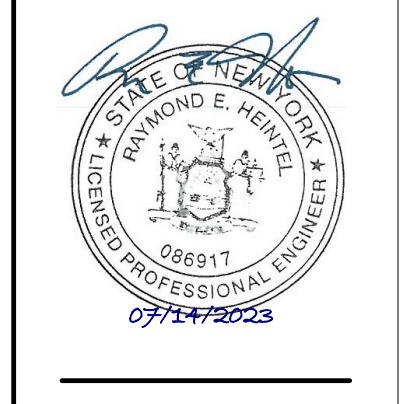
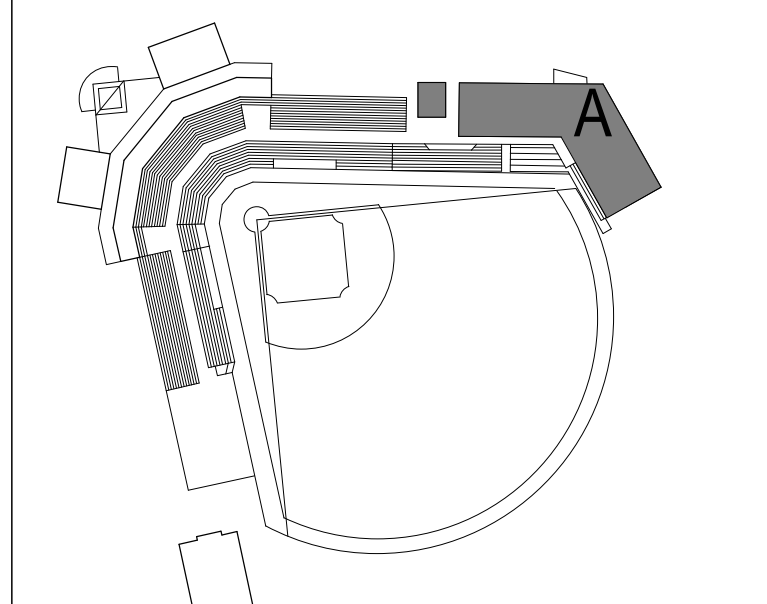
AV	AUDIOVISUAL TERMINATION
AVR	AUDIOVISUAL EQUIPMENT RACK
CS	CEILING LOUDSPEAKER
CT	CONTROL DEVICE TERMINATION
FB	FLOORBOX TERMINATION
IC	INTERCOM TERMINATION
JB	JUNCTION BOX
JM	LIVE MICROPHONE TERMINATION
LT	LOUDSPEAKER TERMINATION
SW	SUBWOOFER TERMINATION
VC	VOLUME CONTROL TERMINATION
VT	VIDEO TERMINATION



Keynote Legend

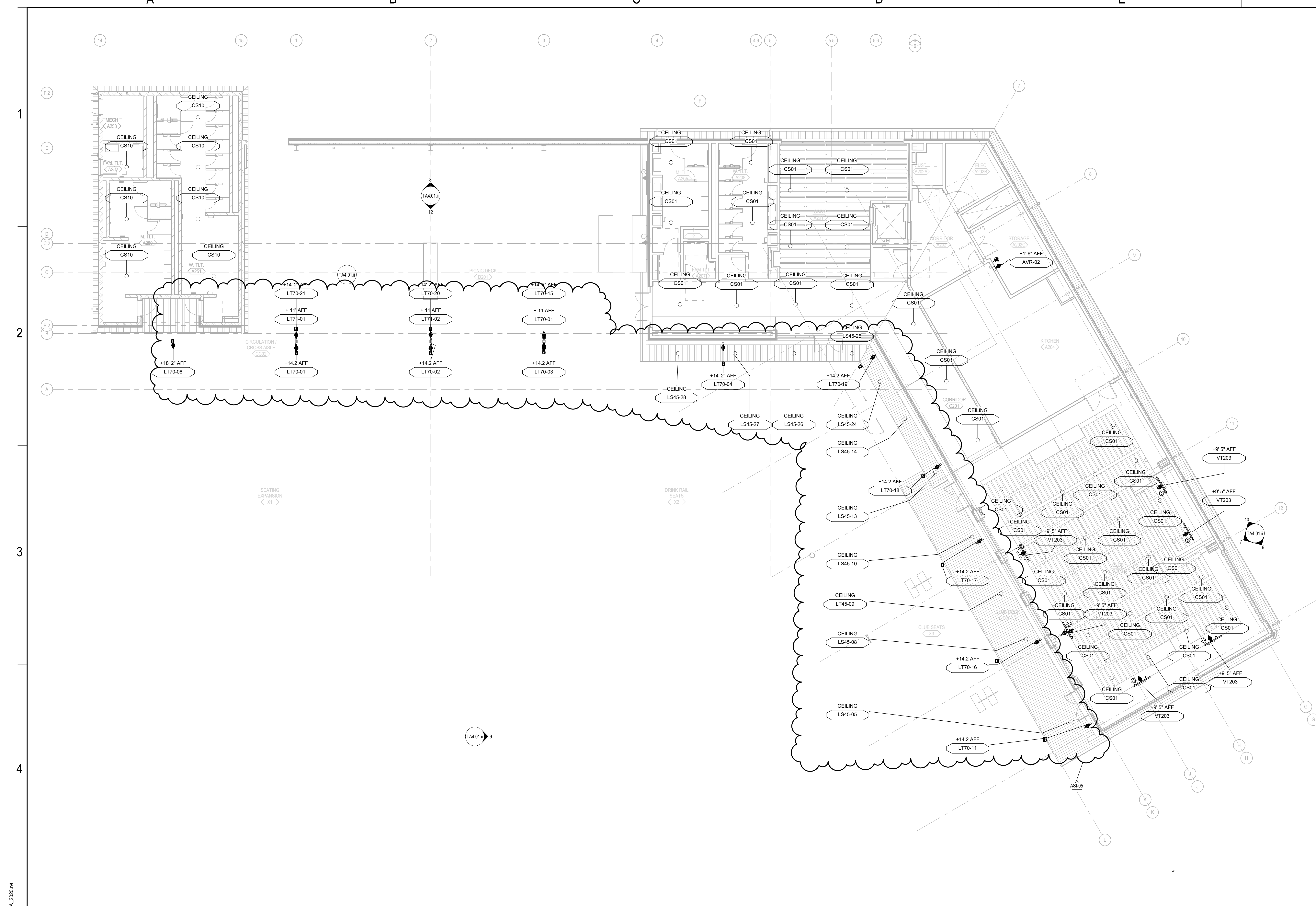
Key Value	Keynote Text
4A	FLUSH WALL MOUNT VOLUME CONTROL INTERFACE - REFER TO SPECIFICATION SECTION 274116 FOR BASIS OF DESIGN REQUIREMENTS AND QUANTITY
5A	CEILING MOUNTED LOUDSPEAKER - REFER TO SPECIFICATION SECTION 271116 FOR BASIS OF DESIGN REQUIREMENTS AND QUANTITY

KEY PLAN

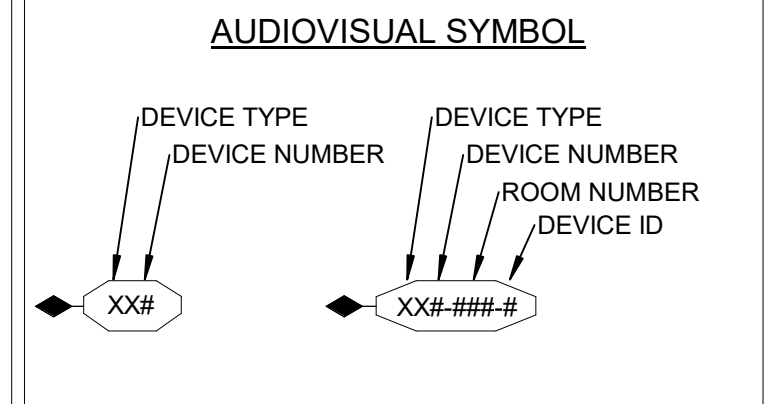


BID SET
 03.06.2023
 REVISIONS
 CONSTRUCTION 03.06.2023
 DOCUMENTS
 AS-05 07.14.2023

57-21113-00
 AUDIOVISUAL RCP, FIRST LEVEL - AREA A



AUDIOVISUAL SYMBOLS



- AUDIOVISUAL SYMBOL TYPICAL ID KEY**
- AV AUDIOVISUAL TERMINATION
 - AVR AUDIOVISUAL EQUIPMENT RACK
 - CS CEILING LOUSPEAKER
 - CT CONTROL DEVICE TERMINATION
 - FB FLOORBOX TERMINATION
 - IC INTERCOM TERMINATION
 - JB JUNCTION BOX
 - LM LIVE MICROPHONE TERMINATION
 - LT LOUSPEAKER TERMINATION
 - SW SUBWOOFER TERMINATION
 - VC VOLUME CONTROL TERMINATION
 - VT VIDEO TERMINATION

- AUDIOVISUAL SYMBOL TYPE**
- AV WALL BOX
 - AV FLOOR BOX
 - AV CEILING BOX
 - AV CEILING SPEAKER
 - AV CABLE PASS

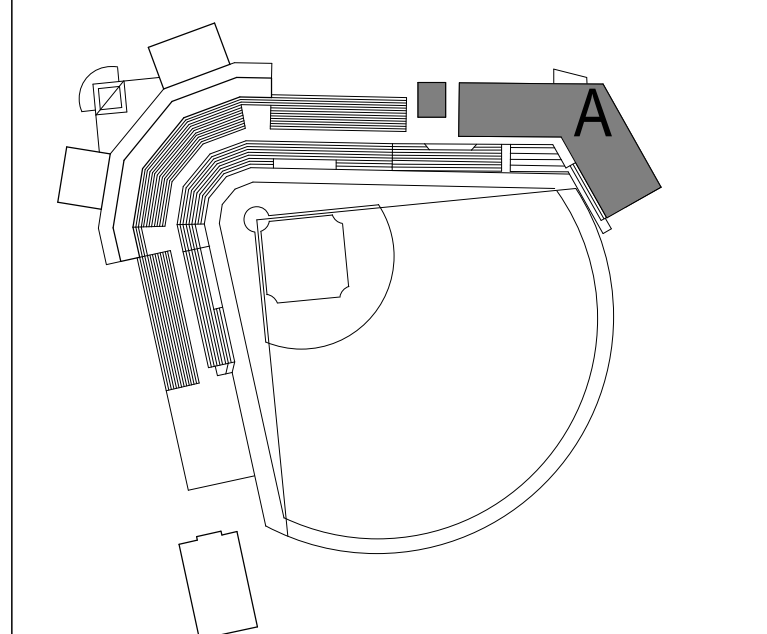
- POWER SYMBOLS**
- CLEAN POWER INDICATOR
 - WALL MOUNTED
 - INTEGRATED POWER INDICATOR
 - CLEAN POWER INDICATOR
 - CEILING MOUNTED
 - INTEGRATED POWER INDICATOR
 - CLEAN POWER INDICATOR
 - FLOOR MOUNTED
 - INTEGRATED POWER INDICATOR
 - 20A, 125V, 2 POLE, 3 WIRE, GROUNDING TYPE, NEMA 5-20 DUPLEX RECEPTACLE (CONTAINED IN AUDIOVISUAL WIRING DEVICE PLATE, AS SHOWN ON DRAWINGS, UON).
 - QUADRUPEX RECEPTACLE - (2) 20A, 125V, 2 POLE, 3 WIRE, GROUNDING TYPE, NEMA 5-20 QUAD RECEPTACLES (CONTAINED IN AUDIOVISUAL WIRING DEVICE PLATE, AS SHOWN ON DRAWINGS, UON).
 - CUSTOM POWER WIRING TO JUNCTION BOX - SEE WIRING DEVICE SCHEDULE (CONTAINED IN AUDIOVISUAL WIRING DEVICE PLATE, AS SHOWN ON DRAWINGS, UON).
 - SPECIALTY POWER - REFER TO ELECTRICAL DOCUMENTS FOR RECEPTACLE TYPE (CONTAINED IN AUDIOVISUAL WIRING DEVICE PLATE, AS SHOWN ON DRAWINGS, UON).

- DATA SYMBOLS**
- WALL MOUNTED DATA RECEPTACLE FOR LAN CONTAINED IN AUDIOVISUAL WIRING DEVICE PLATE (+18" AFF UON).
 - WALL MOUNTED DATA RECEPTACLE FOR LAN, NOT CONTAINED IN AUDIOVISUAL WIRING DEVICE PLATE - FOR REFERENCE ONLY.
 - FLOOR MOUNTED DATA RECEPTACLE FOR LAN CONTAINED IN AUDIOVISUAL WIRING DEVICE PLATE.
 - FLOOR MOUNTED DATA RECEPTACLE FOR LAN, NOT CONTAINED IN AUDIOVISUAL WIRING DEVICE PLATE - FOR REFERENCE ONLY.

Keynote Legend

Key Value	Keynote Text

KEY PLAN



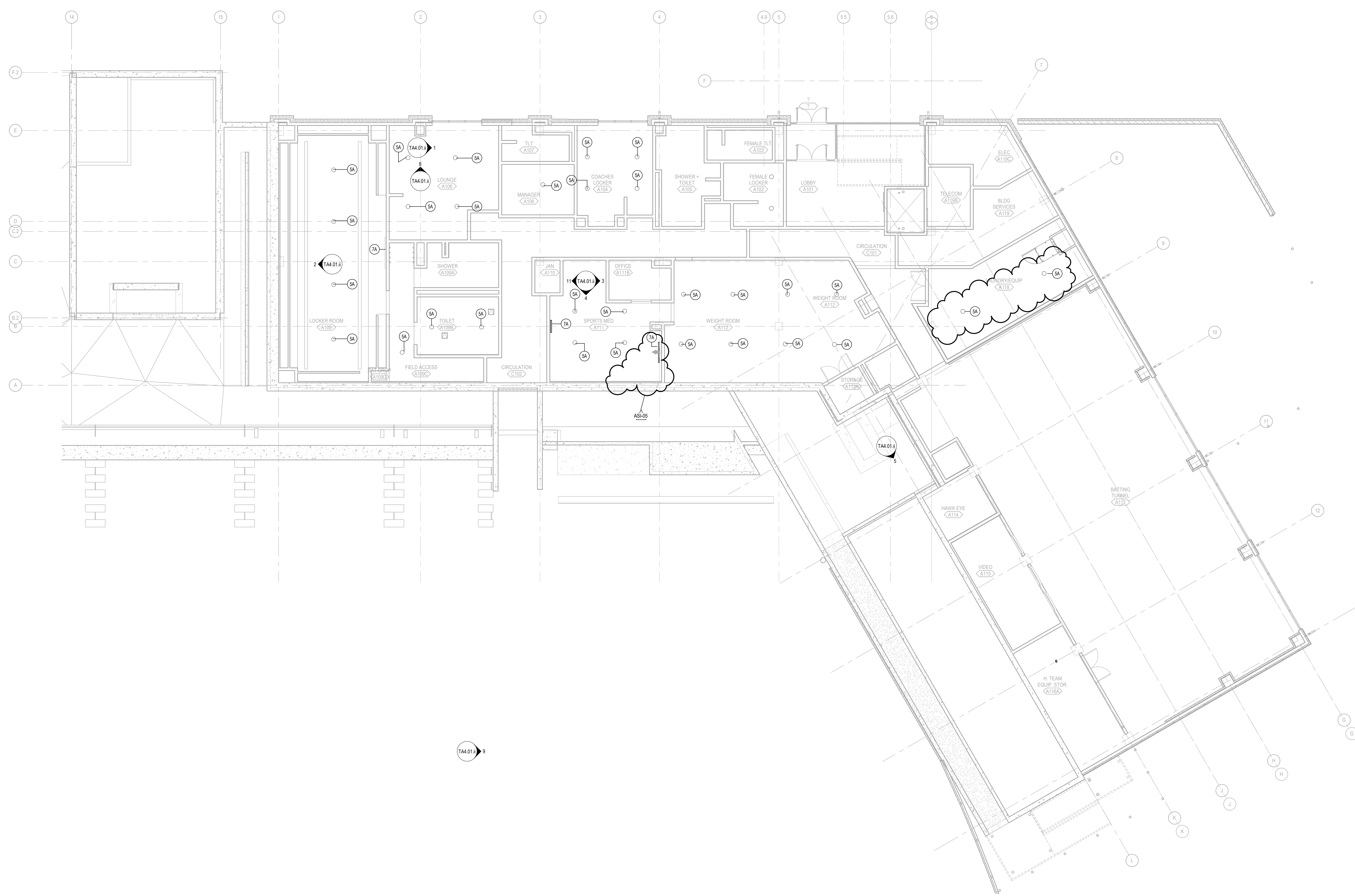
AUDIOVISUAL RCP - LEVEL 02 - AREA A
SCALE: 1/8" = 1'-0"



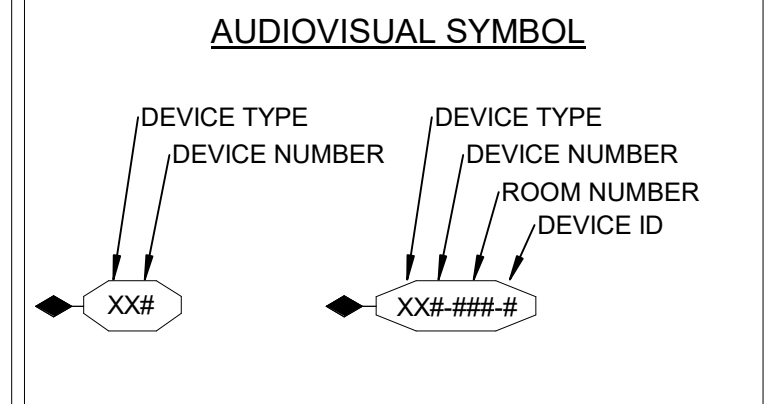
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AUDIOVISUAL EQUIPMENT RCP - LEVEL 01 - AREA A
 SCALE: 1/8" = 1'-0"



AUDIOVISUAL SYMBOLS



AUDIOVISUAL SYMBOL TYPICAL ID KEY

AV	AUDIOVISUAL TERMINATION
AVR	AUDIOVISUAL EQUIPMENT RACK
CS	CEILING LOUSPSEAKER
CT	CONTROL DEVICE TERMINATION
FB	FLOORBOX TERMINATION
IC	INTERCOM TERMINATION
JB	JUNCTION BOX
LM	LIVE MICROPHONE TERMINATION
LT	LOUDSPEAKER TERMINATION
SW	SUBWOOFER TERMINATION
VC	VOLUME CONTROL TERMINATION
VT	VIDEO TERMINATION

AUDIOVISUAL SYMBOL TYPE

	AV WALL BOX
	AV FLOOR BOX
	AV CEILING SPEAKER
	AV CEILING BOX
	AV CABLE PASS

POWER SYMBOLS

	CLEAN POWER INDICATOR
	WALL MOUNTED CLEAN POWER INDICATOR
	CEILING MOUNTED CLEAN POWER INDICATOR
	FLOOR MOUNTED CLEAN POWER INDICATOR
	20A, 125V, 2 POLE, 3 WIRE, GROUNDING TYPE, NEMA 5-20 DUPLEX RECEPTACLE (CONTAINED IN AUDIOVISUAL WIRING DEVICE PLATE, AS SHOWN ON DRAWINGS, UON).
	QUADRUPLEX RECEPTACLE - (2) 20A, 125V, 2 POLE, 3 WIRE, GROUNDING TYPE, NEMA 5-20 QUAD RECEPTACLES (CONTAINED IN AUDIOVISUAL WIRING DEVICE PLATE, AS SHOWN ON DRAWINGS, UON).
	CUSTOM POWER WIRING TO JUNCTION BOX - SEE WIRING DEVICE SCHEDULE (CONTAINED IN AUDIOVISUAL WIRING DEVICE PLATE, AS SHOWN ON DRAWINGS, UON).
	SPECIALTY POWER - REFER TO ELECTRICAL DOCUMENTS FOR RECEPTACLE TYPE (CONTAINED IN AUDIOVISUAL WIRING DEVICE PLATE, AS SHOWN ON DRAWINGS, UON).

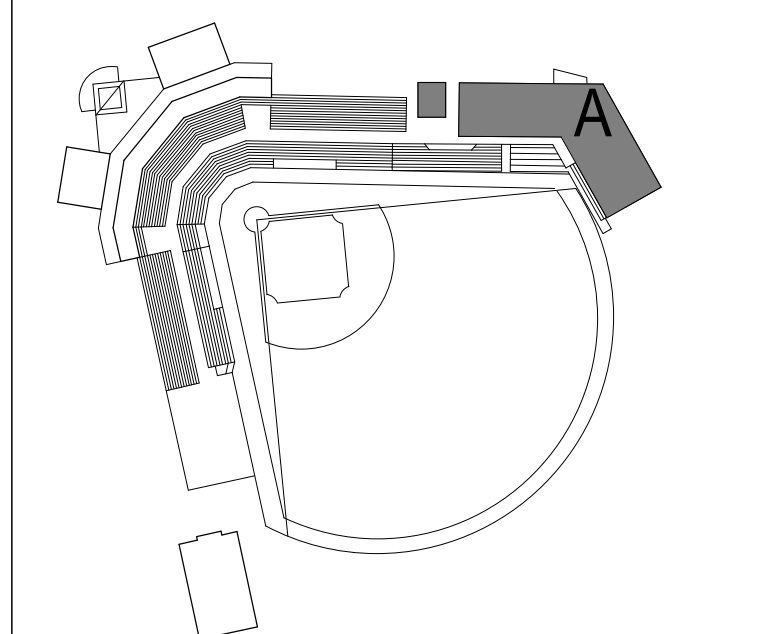
DATA SYMBOLS


	WALL MOUNTED DATA RECEPTACLE FOR LAN CONTAINED IN AUDIOVISUAL WIRING DEVICE PLATE (+15" AFF. UON).
	FLOOR MOUNTED DATA RECEPTACLE FOR LAN CONTAINED IN AUDIOVISUAL WIRING DEVICE PLATE - FOR REFERENCE ONLY.
	SPECIALTY POWER - REFER TO ELECTRICAL DOCUMENTS FOR RECEPTACLE TYPE (CONTAINED IN AUDIOVISUAL WIRING DEVICE PLATE, AS SHOWN ON DRAWINGS, UON).

Keynote Legend

Key Value	Keynote Text
SA	CEILING MOUNTED LOUSPSEAKER - REFER TO SPECIFICATION SECTION 274.116 FOR BASIS OF DESIGN REQUIREMENTS AND QUANTITY.
TA	VIDEO DISPLAY - REFER TO SPECIFICATION SECTION 274.116 FOR BASIS OF DESIGN REQUIREMENTS AND QUANTITY.

KEY PLAN



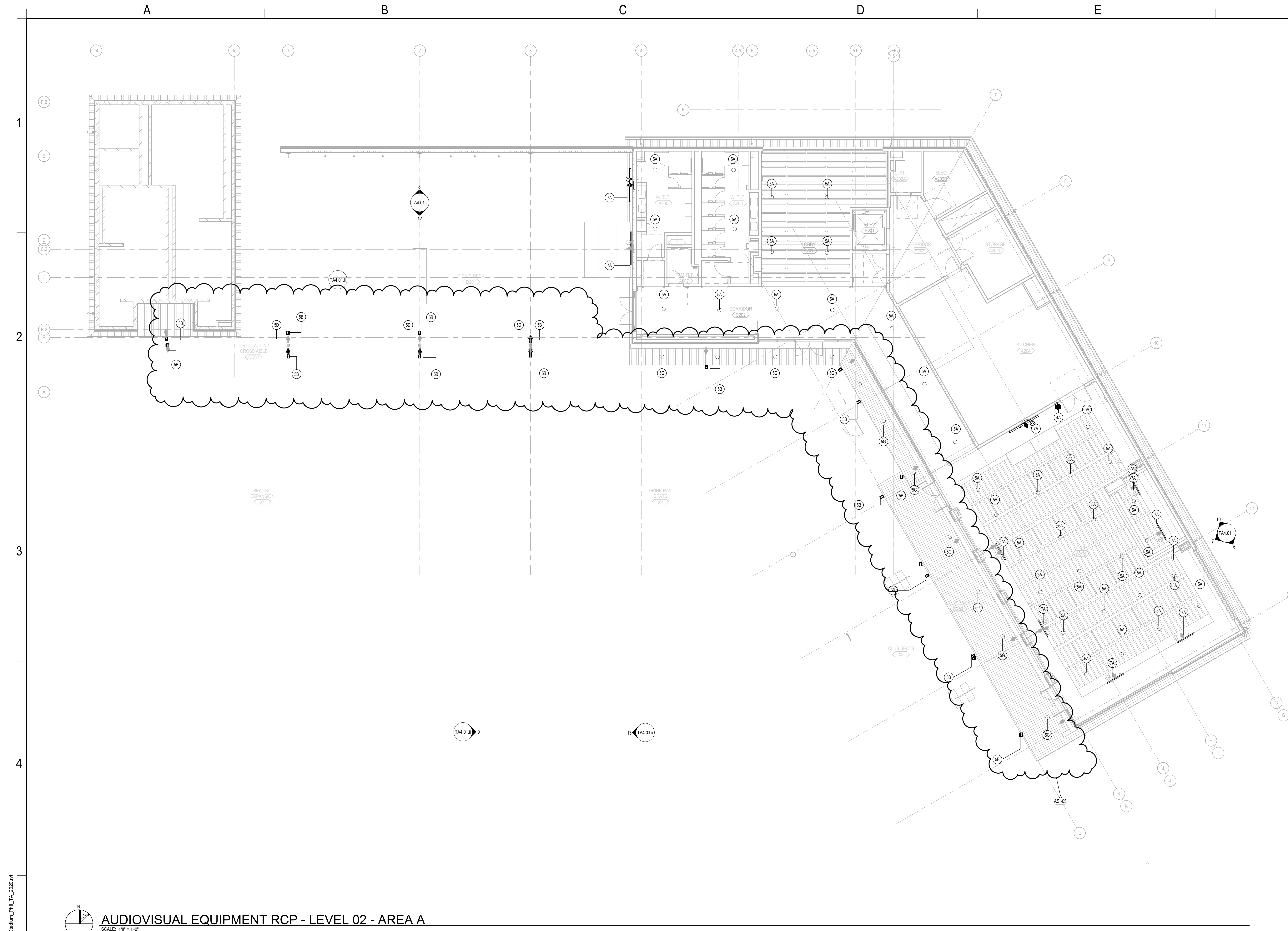

DLR Group
 © DLR Group


 STATE OF NEW YORK
 PROFESSIONAL ENGINEER
 071478255

Rebid Dutchess Stadium New Left Field Clubhouse, Seating Bowl and Restroom Building
 OWNER: DUTCHESS COUNTY, 22 MARKET STREET, POUGHKEEPSIE, NY 12601
 1500 ROUTE 90, FISHKILL, NY 12530

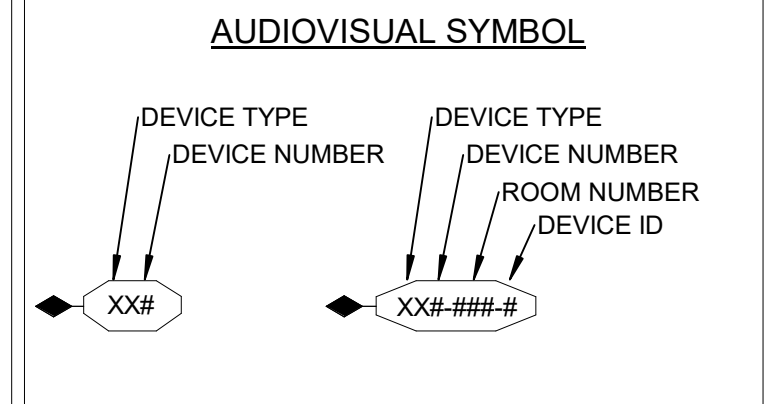
BID SET
 03.06.2023
 REVISIONS
 CONSTRUCTION 03.06.2023
 DOCUMENTS
 AS-05 ASI-05 07.14.2023

57-21113-00
 AUDIOVISUAL EQUIPMENT RCP, FIRST LEVEL - AREA A
TA2.11A.ii



AUDIOVISUAL EQUIPMENT RCP - LEVEL 02 - AREA A
SCALE: 1/8" = 1'-0"

AUDIOVISUAL SYMBOLS



- AUDIOVISUAL SYMBOL TYPICAL ID KEY**
- AV AUDIOVISUAL TERMINATION
 - AVR AUDIOVISUAL EQUIPMENT RACK
 - CS CEILING LOUDSPEAKER
 - CT CONTROL DEVICE TERMINATION
 - FB FLOORBOX TERMINATION
 - IC INTERCOM TERMINATION
 - JB JUNCTION BOX
 - LM LIVE MICROPHONE TERMINATION
 - LT LOUDSPEAKER TERMINATION
 - SW SUBWOOFER TERMINATION
 - VC VOLUME CONTROL TERMINATION
 - VT VIDEO TERMINATION

- AUDIOVISUAL SYMBOL TYPE**
- AV WALL BOX
 - AV FLOOR BOX
 - AV CEILING SPEAKER
 - AV CEILING BOX
 - AV CABLE PASS

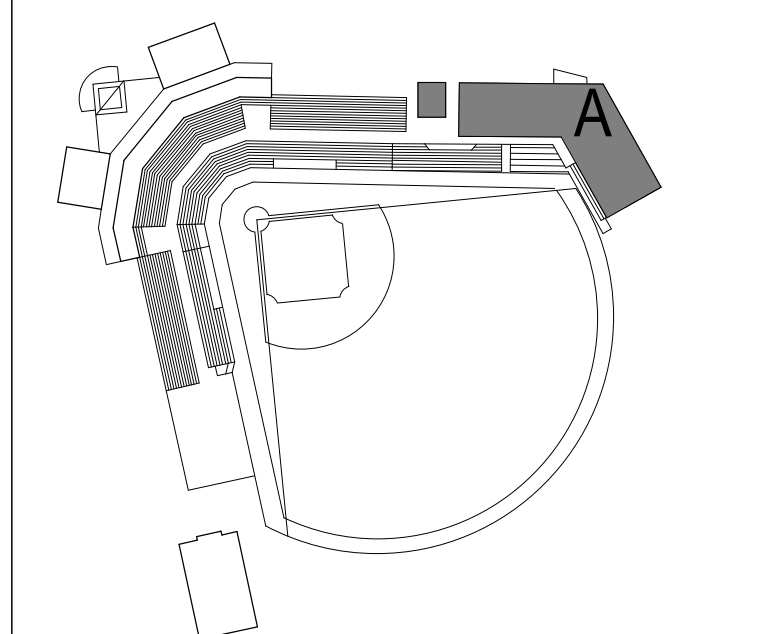
- POWER SYMBOLS**
- CLEAN POWER INDICATOR - WALL MOUNTED
 - INTEGRATED POWER INDICATOR - CEILING MOUNTED
 - CLEAN POWER INDICATOR - FLOOR MOUNTED
 - INTEGRATED POWER INDICATOR - FLOOR MOUNTED
 - 20A, 125V, 2 POLE, 3 WIRE, GROUNDING TYPE, NEMA 5-20 DUPLEX RECEPTACLE (CONTAINED IN AUDIOVISUAL WIRING DEVICE PLATE, AS SHOWN ON DRAWINGS, UON).
 - QUADRUPLEX RECEPTACLE - (2) 20A, 125V, 2 POLE, 3 WIRE, GROUNDING TYPE, NEMA 5-20 QUAD RECEPTACLES (CONTAINED IN AUDIOVISUAL WIRING DEVICE PLATE, AS SHOWN ON DRAWINGS, UON).
 - CUSTOM POWER WIRING TO JUNCTION BOX - SEE WIRING DEVICE SCHEDULE (CONTAINED IN AUDIOVISUAL WIRING DEVICE PLATE, AS SHOWN ON DRAWINGS, UON).
 - SPECIALTY POWER - REFER TO ELECTRICAL DOCUMENTS FOR RECEPTACLE TYPE (CONTAINED IN AUDIOVISUAL WIRING DEVICE PLATE, AS SHOWN ON DRAWINGS, UON).

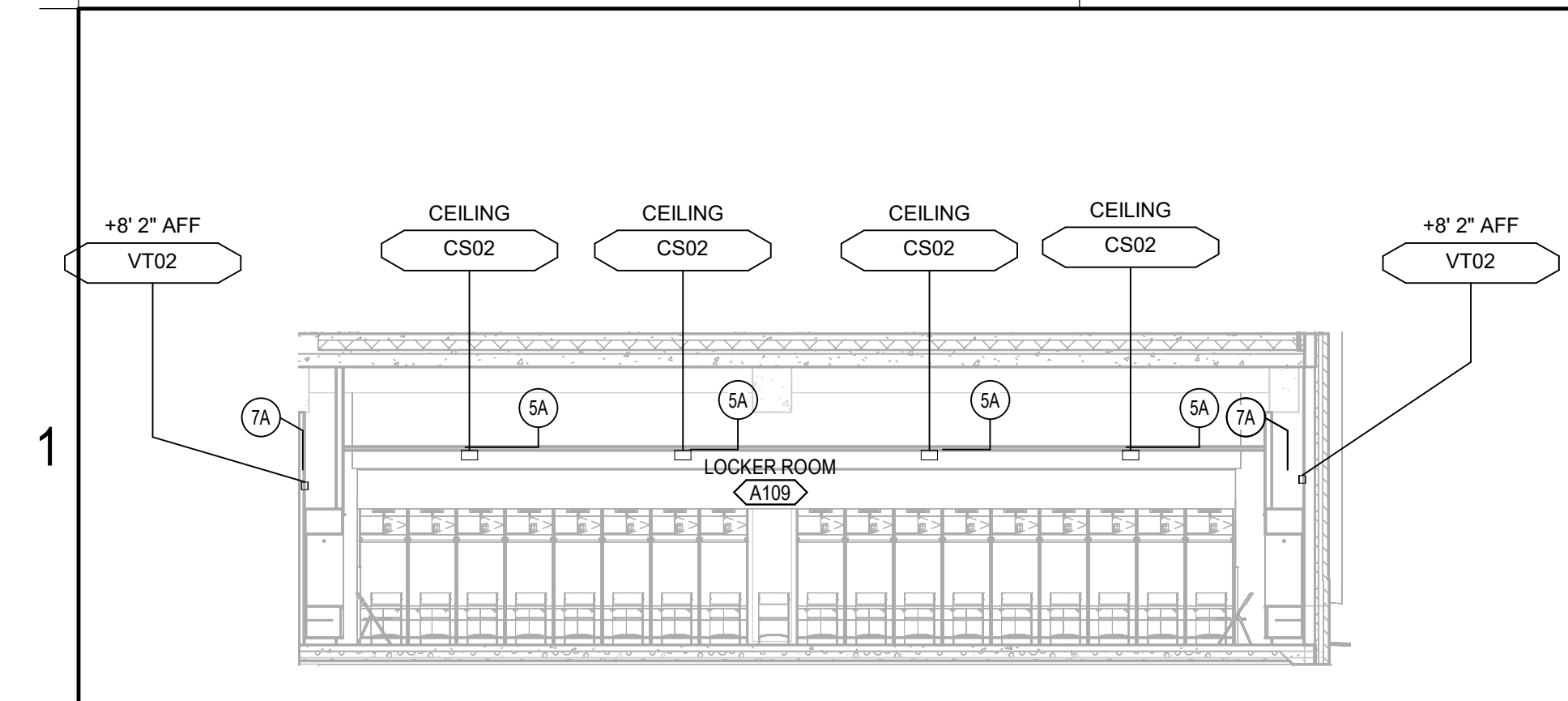
- DATA SYMBOLS**
- WALL MOUNTED DATA RECEPTACLE FOR LAN CONTAINED IN AUDIOVISUAL WIRING DEVICE PLATE (+15' AFF. UON).
 - WALL MOUNTED DATA RECEPTACLE FOR LAN, NOT CONTAINED IN AUDIOVISUAL WIRING DEVICE PLATE - FOR REFERENCE ONLY.
 - FLOOR MOUNTED DATA RECEPTACLE FOR LAN CONTAINED IN AUDIOVISUAL WIRING DEVICE PLATE.
 - FLOOR MOUNTED DATA RECEPTACLE FOR LAN, NOT CONTAINED IN AUDIOVISUAL WIRING DEVICE PLATE - FOR REFERENCE ONLY.

Keynote Legend

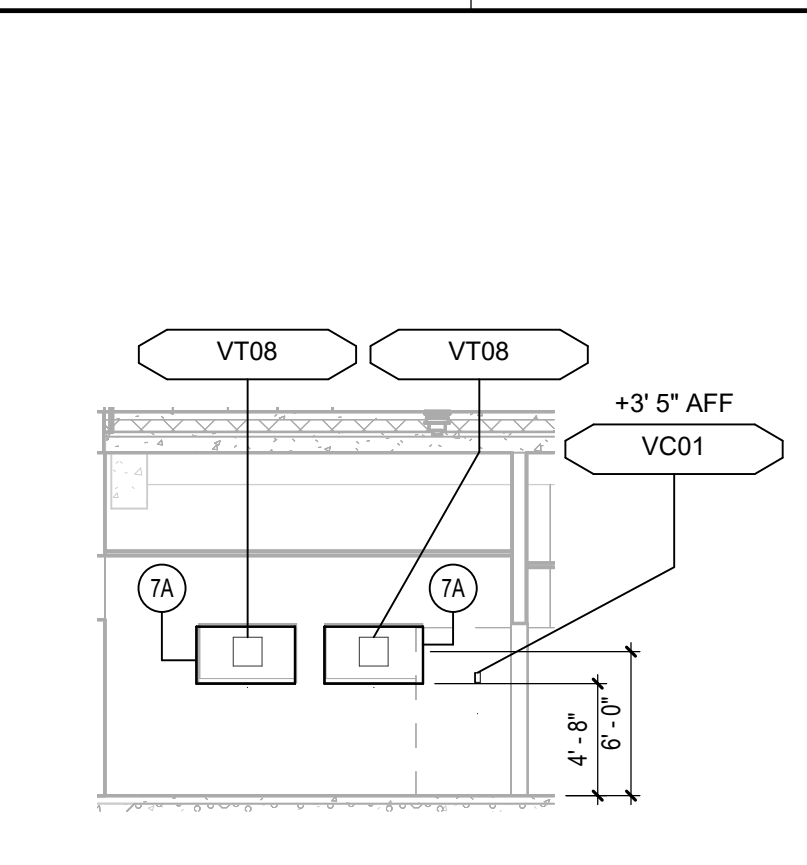
Key Value	Keynote Text
4A	FLUSH WALL MOUNT VOLUME CONTROL INTERFACE - REFER TO SPECIFICATION SECTION 274116 FOR BASIS OF DESIGN REQUIREMENTS AND QUANTITY
5A	CEILING MOUNTED LOUDSPEAKER - REFER TO SPECIFICATION SECTION 274116 FOR BASIS OF DESIGN REQUIREMENTS AND QUANTITY
5B	PERFORMANCE LOUD SPEAKER - REFER TO SPECIFICATION SECTION 274116 FOR BASIS OF DESIGN REQUIREMENTS AND QUANTITY
5D	SUBWOOFER - REFER TO SPECIFICATION SECTION 274116 FOR BASIS OF DESIGN REQUIREMENTS AND QUANTITY
5G	OUTDOOR SPEAKER CEILING MOUNTED - REFER TO SPECIFICATION SECTION 274116 FOR BASIS OF DESIGN REQUIREMENTS AND QUANTITY
7A	VIDEO DISPLAY - REFER TO SPECIFICATION SECTION 274116 FOR BASIS OF DESIGN REQUIREMENTS AND QUANTITY

KEY PLAN

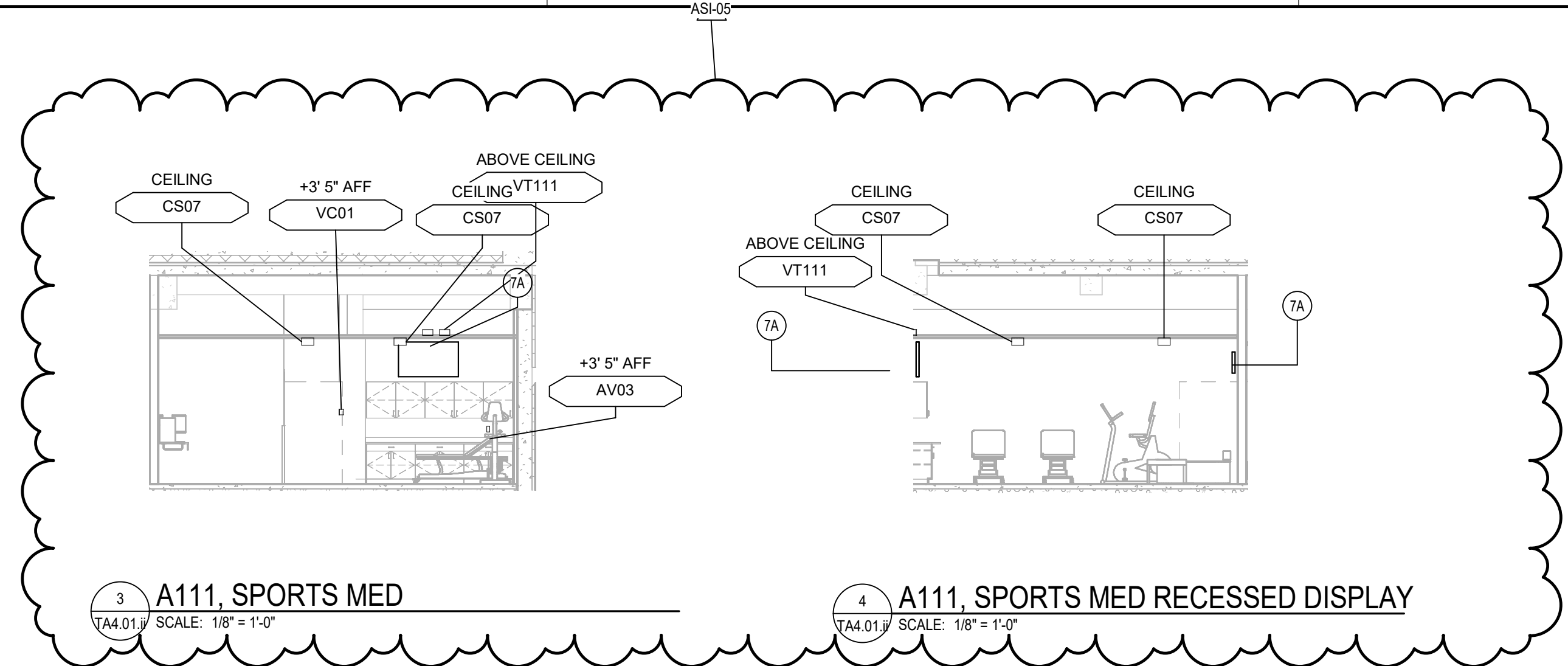




2 LOCKER ROOM, WEST
TA4.01 SCALE: 1/8" = 1'-0"

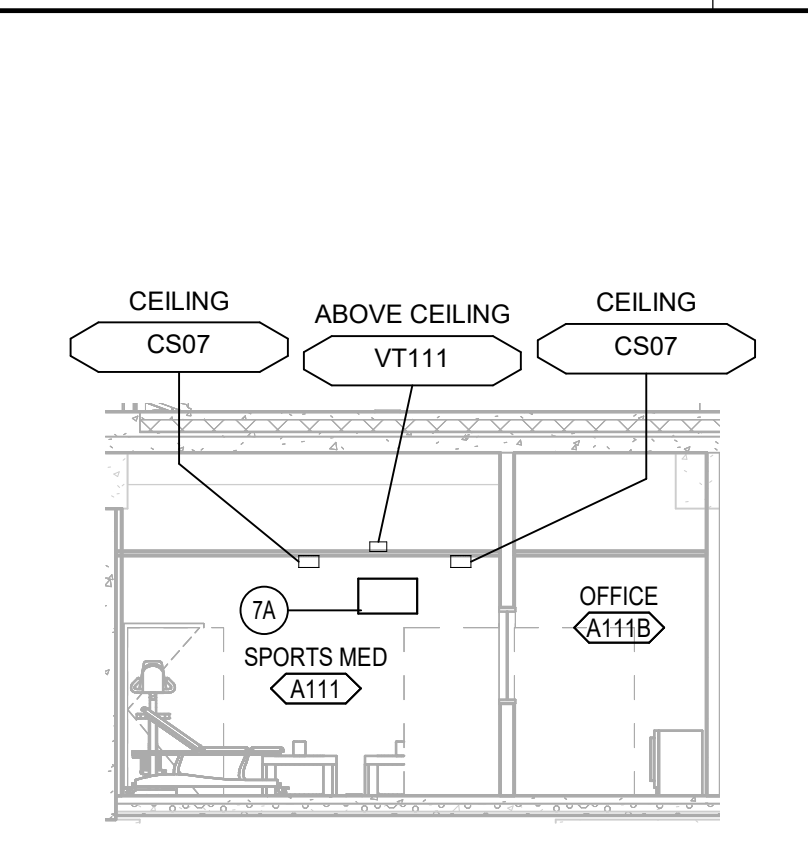


1 A108, LOUNGE
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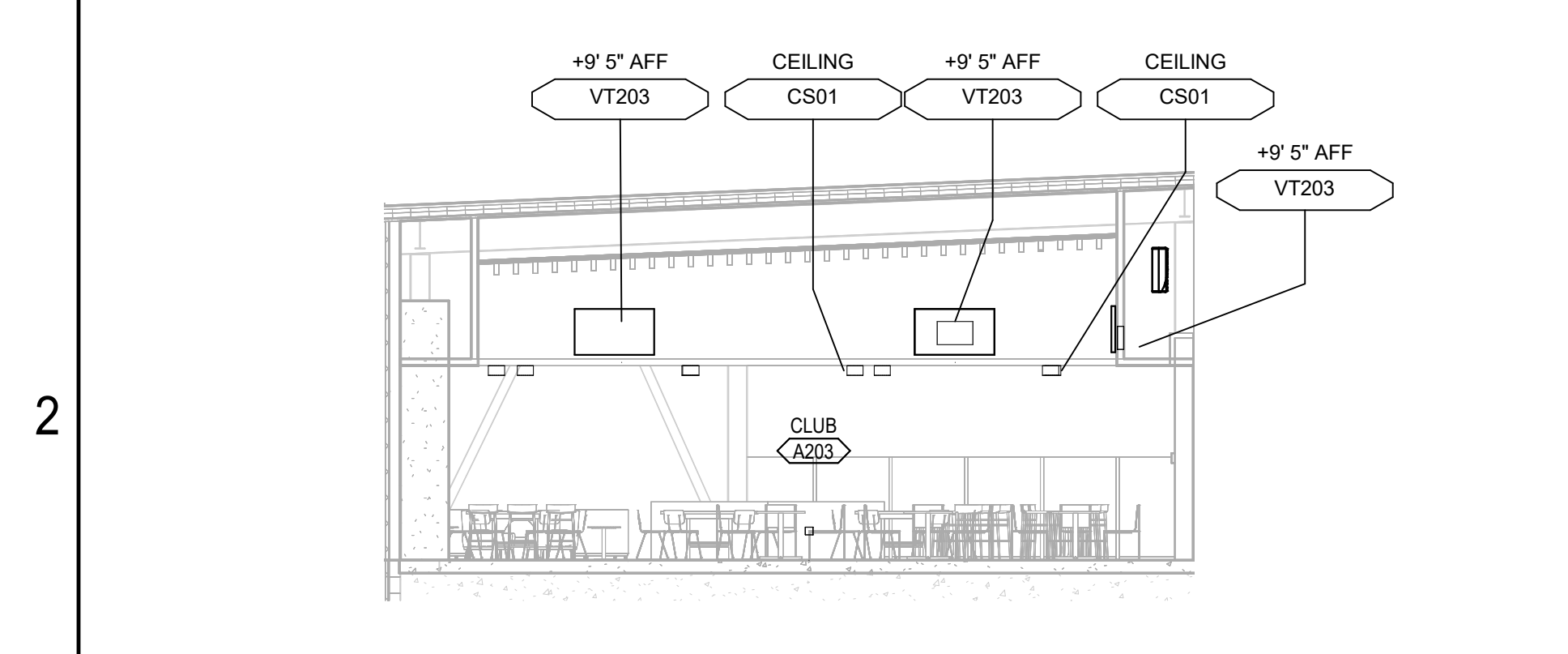


3 A111, SPORTS MED
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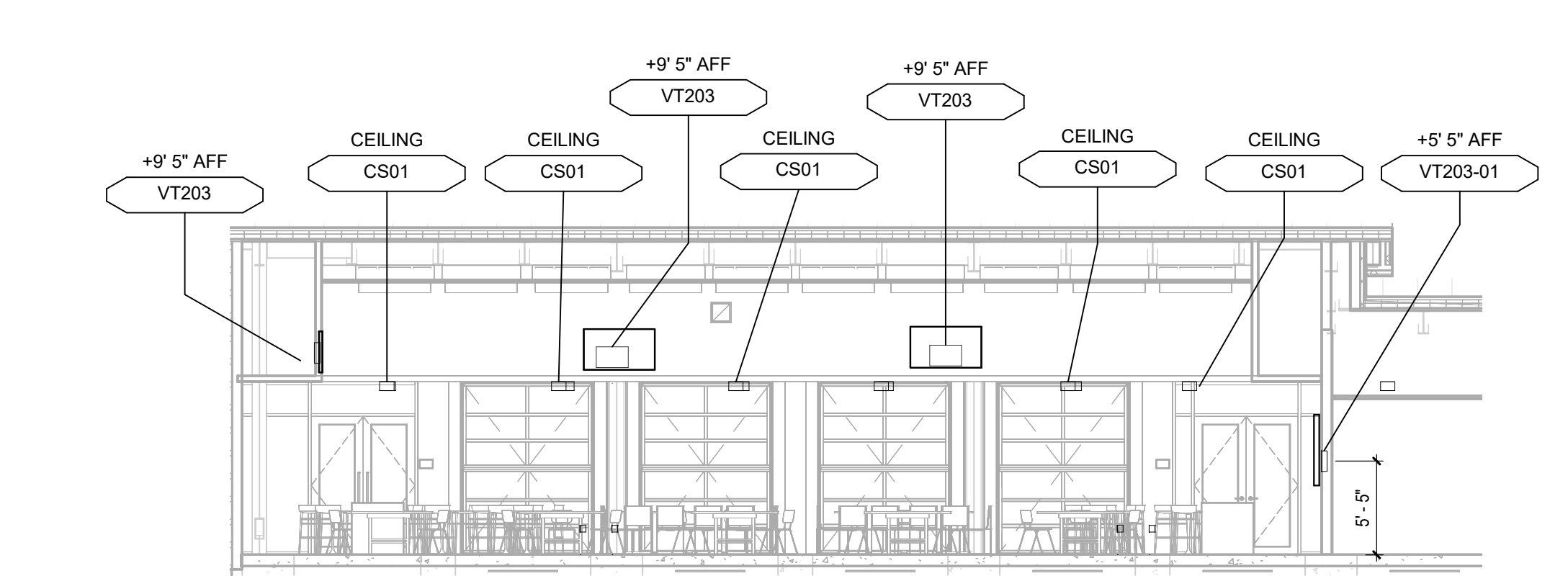
4 A111, SPORTS MED RECESSED DISPLAY
TA4.01 SCALE: 1/8" = 1'-0"



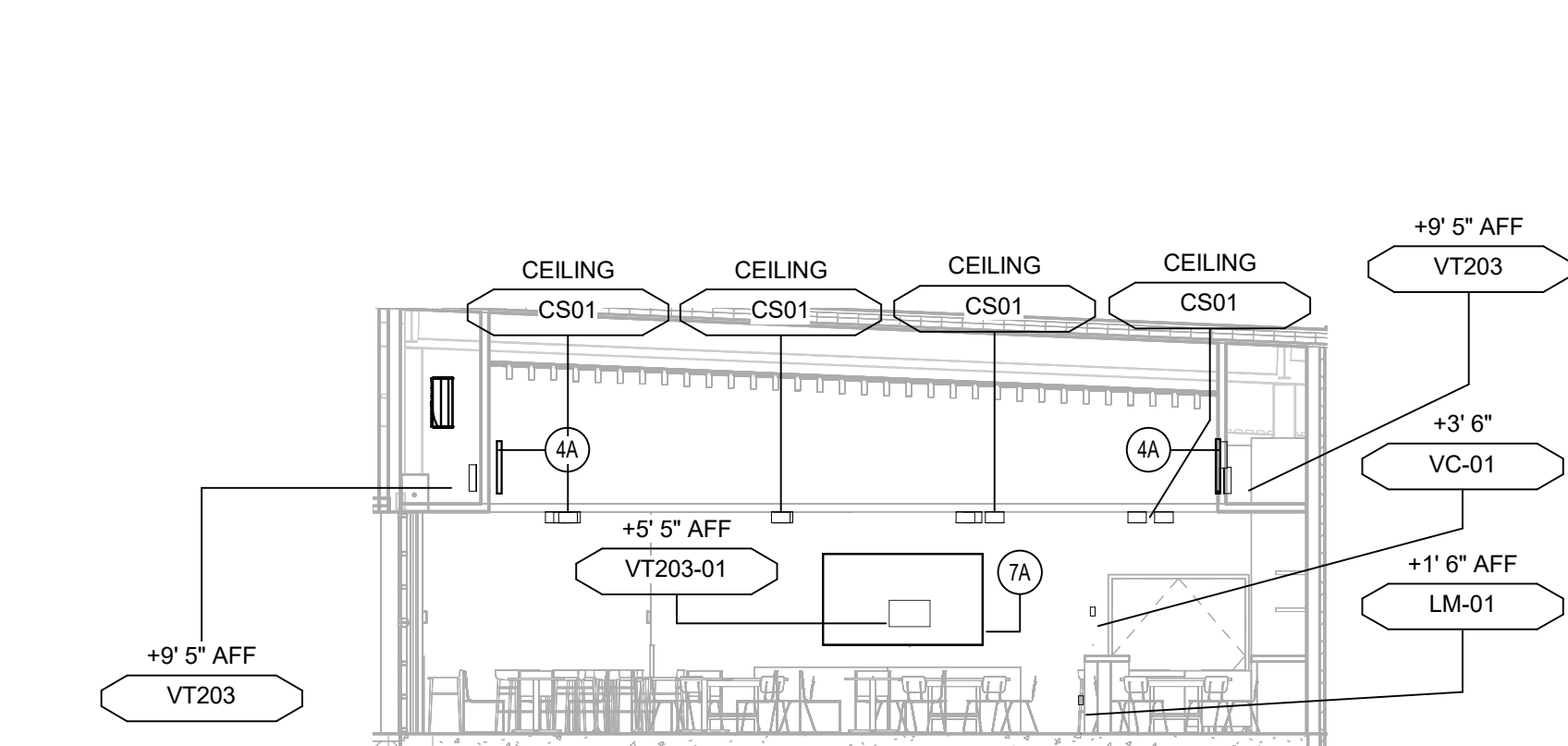
11 A111 SPORTS MED
TA4.01 SCALE: 1/8" = 1'-0"



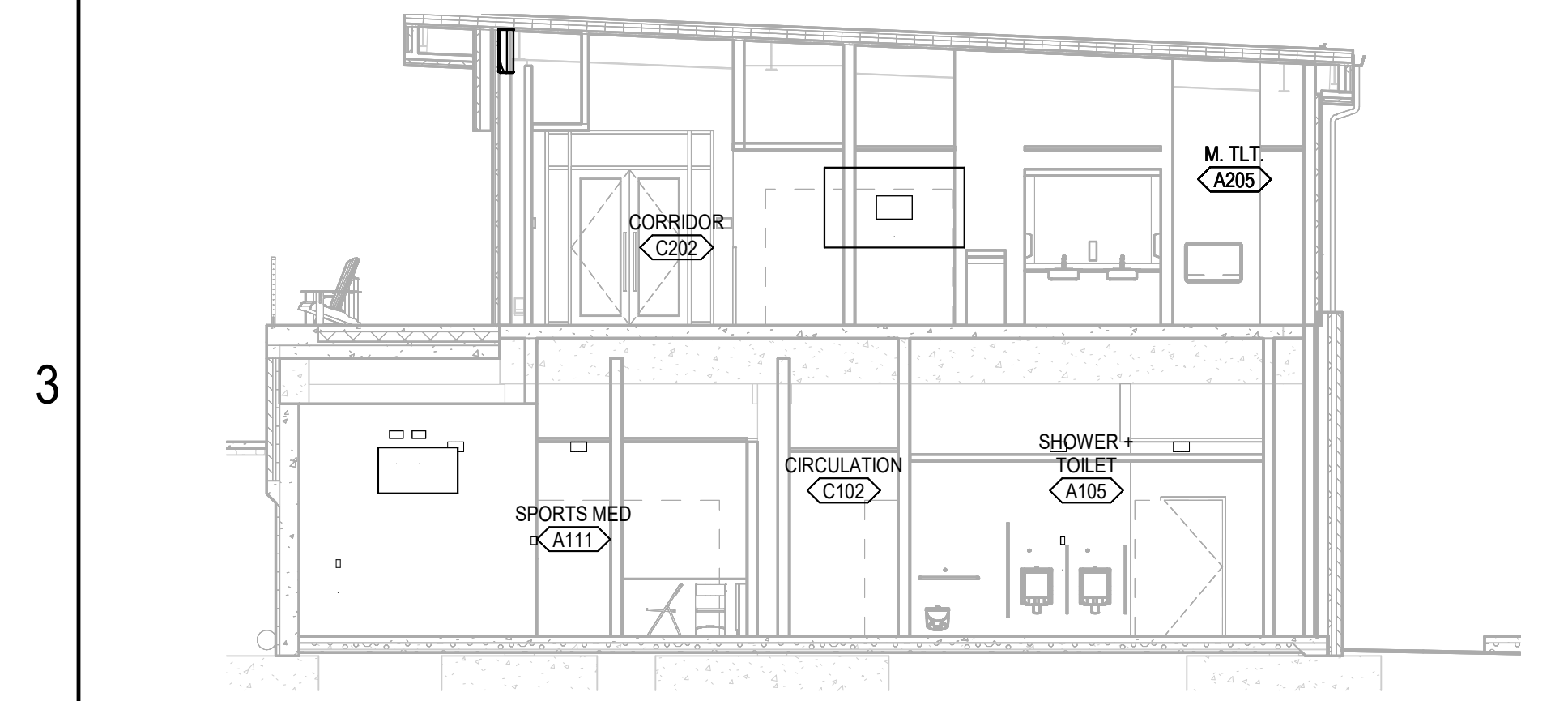
6 CLUB (A203) - EAST
TA4.01 SCALE: 1/8" = 1'-0"



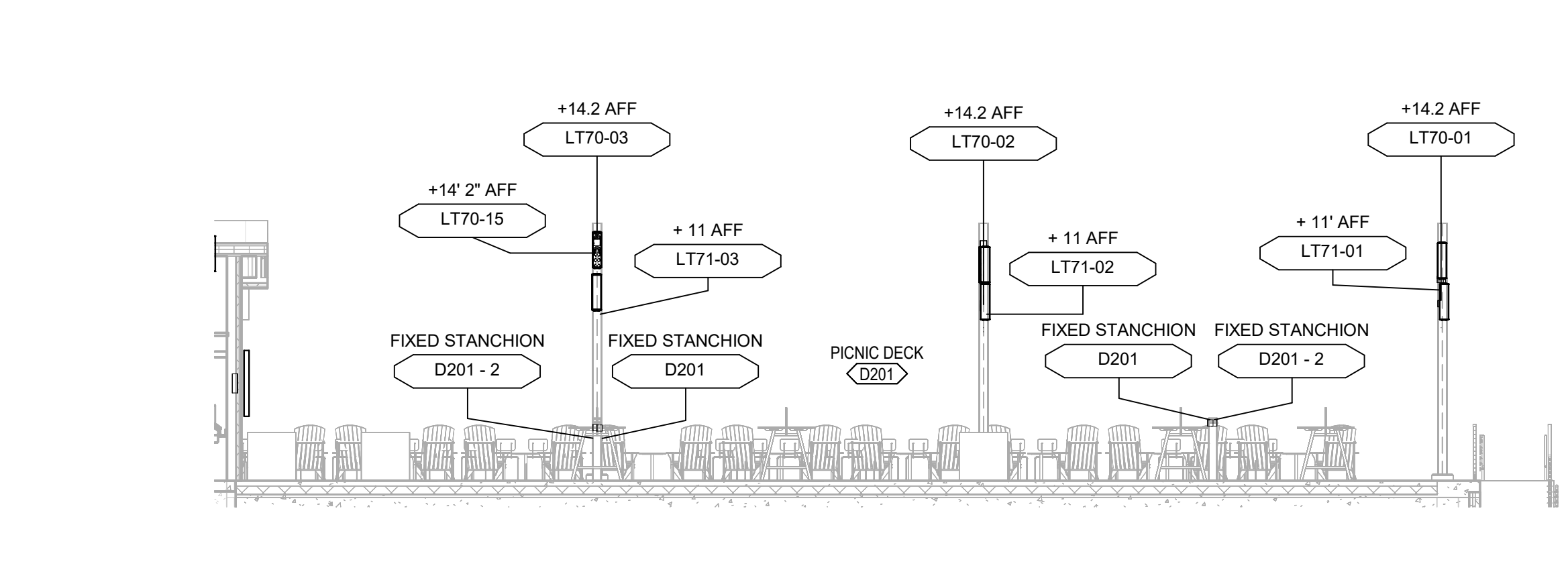
7 CLUB (A203) - FACING FIELD
TA4.01 SCALE: 1/8" = 1'-0"



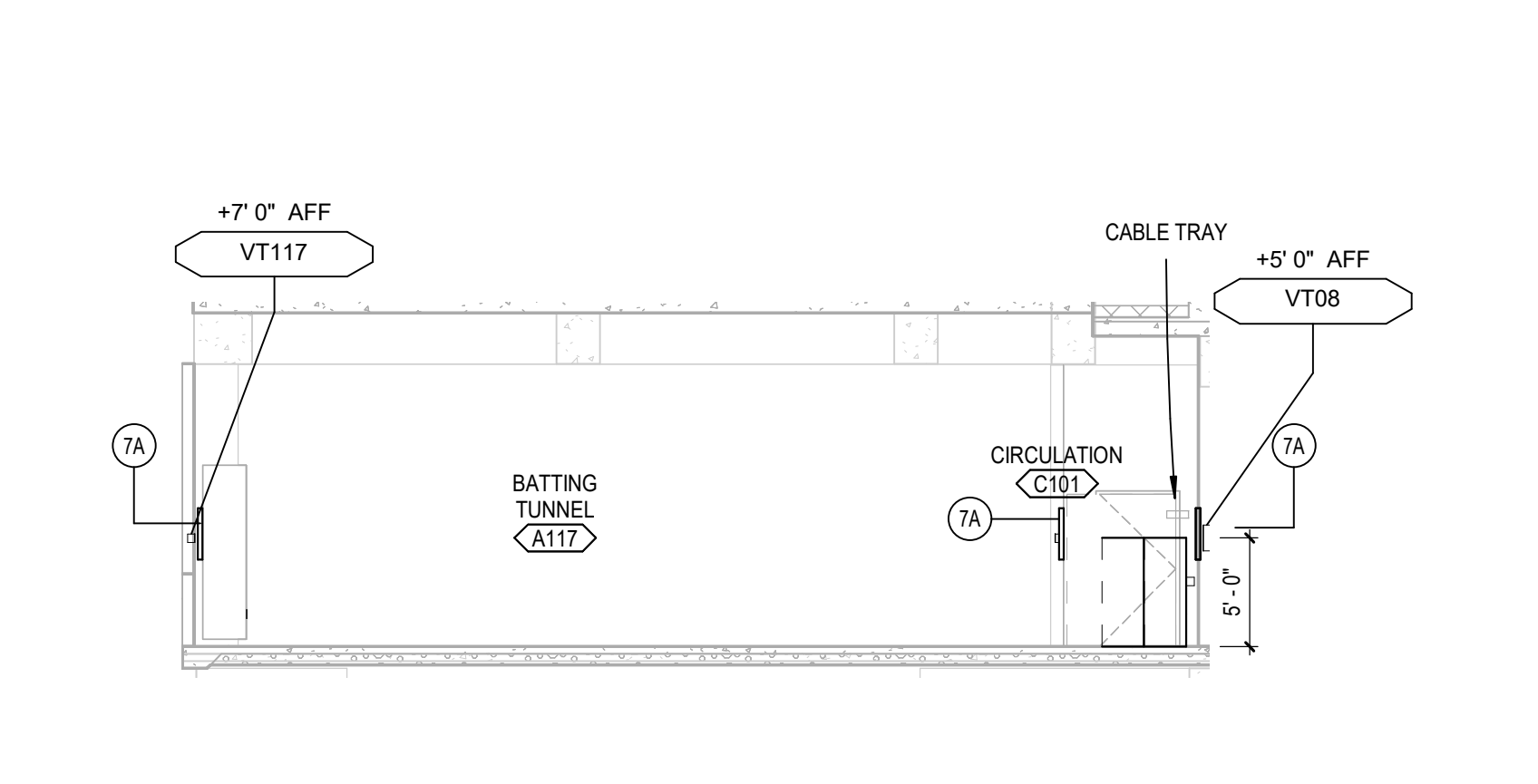
10 203A CLUB, FACING KITCHEN
TA4.01 SCALE: 1/8" = 1'-0"



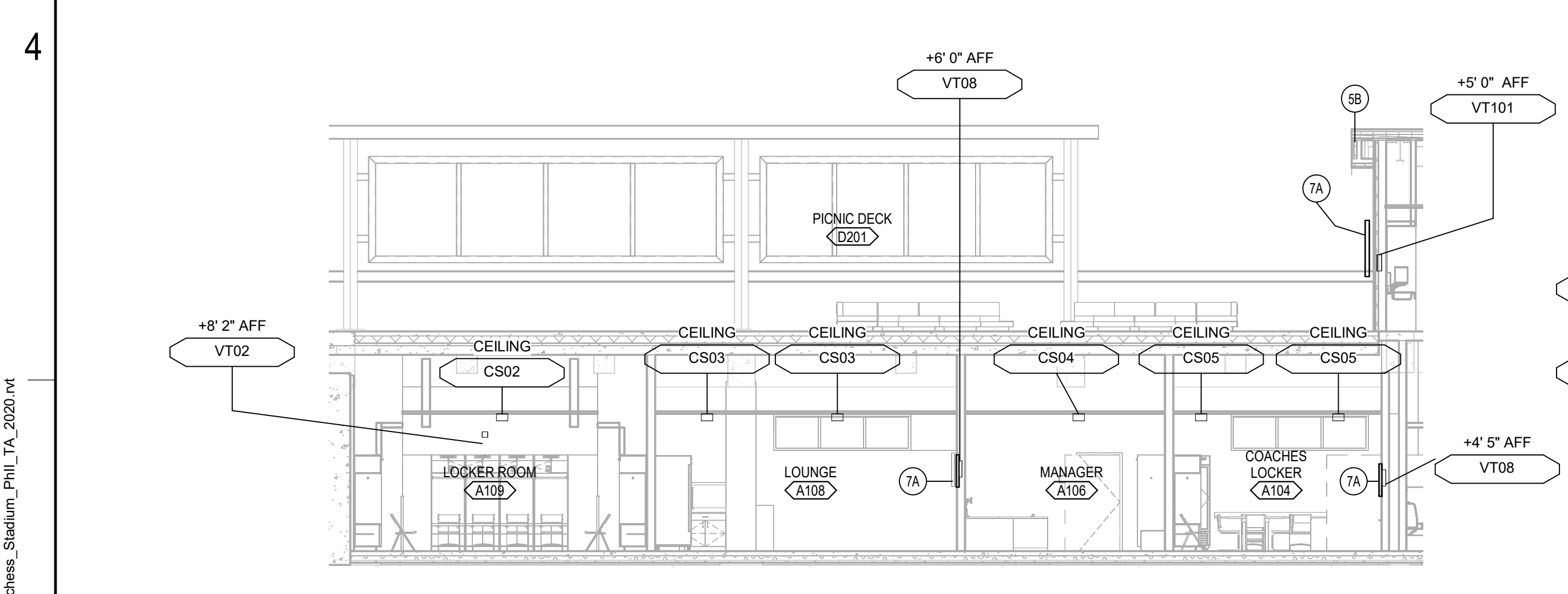
13 D100, DECK CIRCULATION
TA4.01 SCALE: 1/8" = 1'-0"



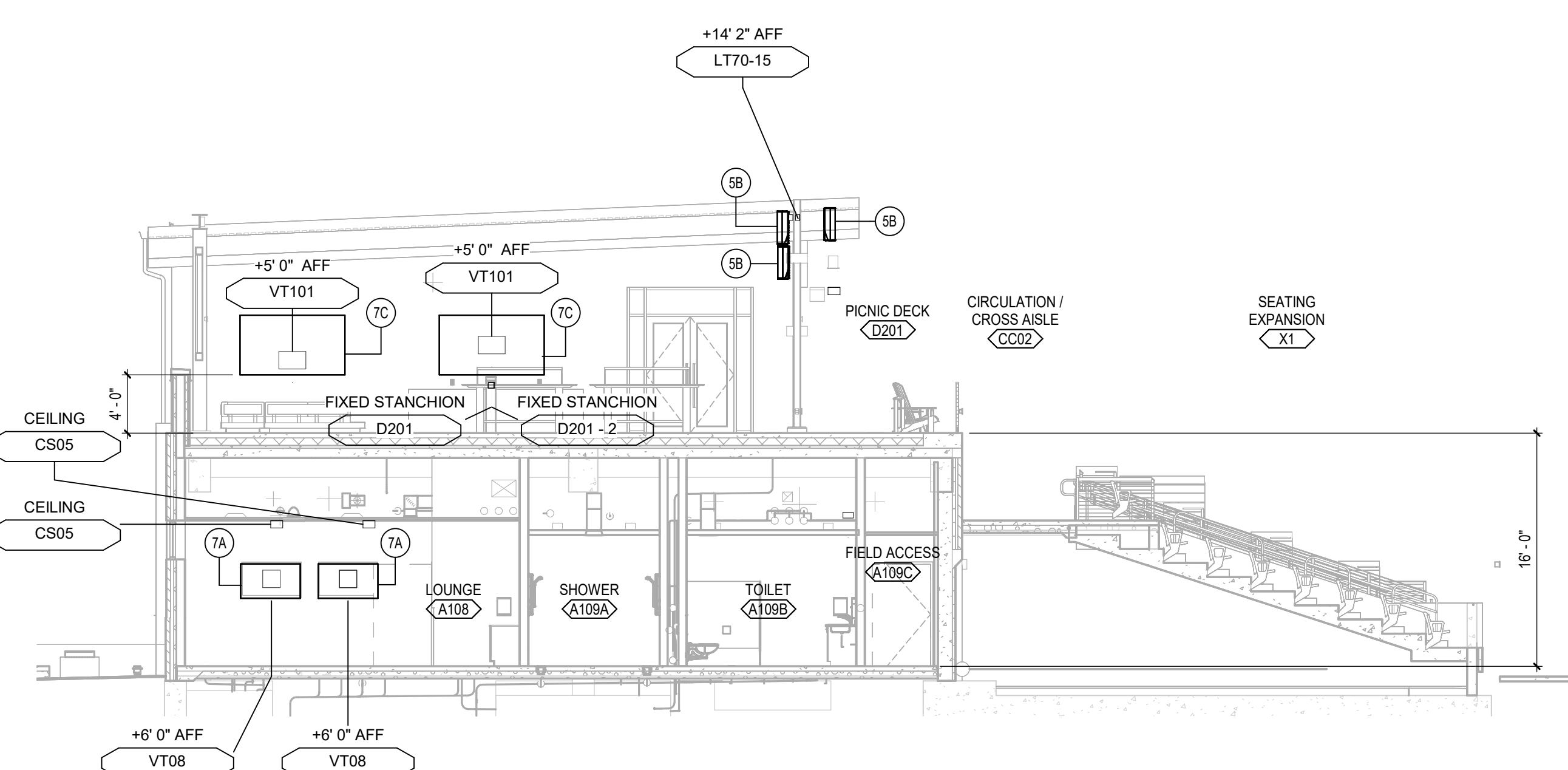
12 PICNIC DECK (D201) FACING FIELD
TA4.01 SCALE: 1/8" = 1'-0"



5 C101, CIRCULATION, BATTING TUNNEL
TA4.01 SCALE: 1/8" = 1'-0"

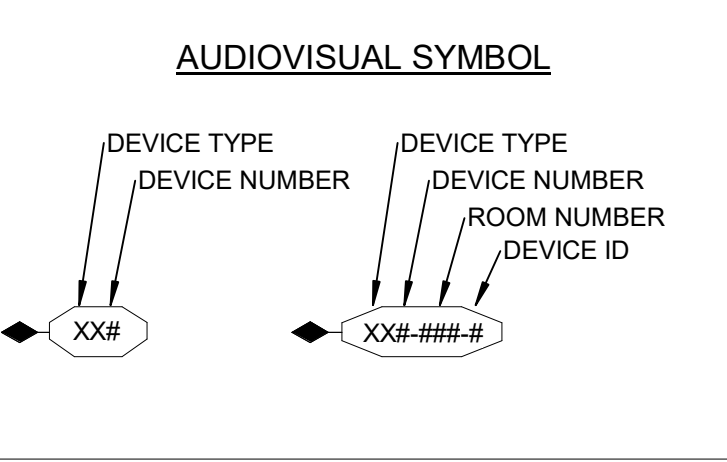


8 D101 PICNIC DECK
TA4.01 SCALE: 1/8" = 1'-0"



9 CLUB HOUSE
TA4.01 SCALE: 1/8" = 1'-0"

AUDIOVISUAL SYMBOLS



AUDIOVISUAL SYMBOL TYPICAL ID KEY

- AV AUDIOVISUAL TERMINATION
- AVR AUDIOVISUAL EQUIPMENT RACK
- CS CEILING LOUDSPEAKER
- CT CONTROL DEVICE TERMINATION
- FB FLOORBOX TERMINATION
- IC INTERCOM TERMINATION
- JB JUNCTION BOX
- LM LIVE MICROPHONE TERMINATION
- LT LOUDSPEAKER TERMINATION
- SW SUBWOOFER TERMINATION
- VC VOLUME CONTROL TERMINATION
- VT VIDEO TERMINATION

AUDIOVISUAL SYMBOL TYPE

- AV WALL BOX
- AV FLOOR BOX
- AV CEILING SPEAKER
- AV CEILING BOX
- AV CABLE PASS

POWER SYMBOLS

- CLEAN POWER INDICATOR
- WALL MOUNTED
- INTEGRATED POWER INDICATOR
- CLEAN POWER INDICATOR
- CEILING MOUNTED
- INTEGRATED POWER INDICATOR
- CLEAN POWER INDICATOR
- FLOOR MOUNTED
- INTEGRATED POWER INDICATOR
- 20A, 125V, 2 POLE, 3 WIRE, GROUNDING TYPE, NEMA 5-20 DUPLEX RECEPTACLE (CONTAINED IN AUDIOVISUAL WIRING DEVICE PLATE, AS SHOWN ON DRAWINGS, UON).
- QUADRUPLEX RECEPTACLE - (2) 20A, 125V, 2 POLE, 3 WIRE, GROUNDING TYPE, NEMA 5-20 QUAD RECEPTACLE (CONTAINED IN AUDIOVISUAL WIRING DEVICE PLATE, AS SHOWN ON DRAWINGS, UON).
- CUSTOM POWER WIRING TO JUNCTION BOX - SEE WIRING DEVICE SCHEDULE (CONTAINED IN AUDIOVISUAL WIRING DEVICE PLATE, AS SHOWN ON DRAWINGS, UON).
- SPECIALTY POWER - REFER TO ELECTRICAL DOCUMENTS FOR RECEPTACLE TYPE (CONTAINED IN AUDIOVISUAL WIRING DEVICE PLATE, AS SHOWN ON DRAWINGS, UON).

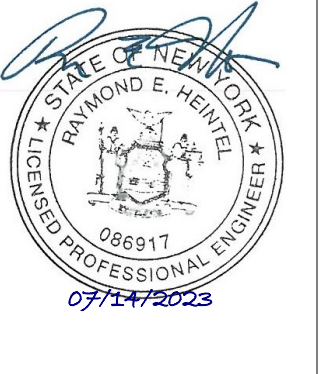
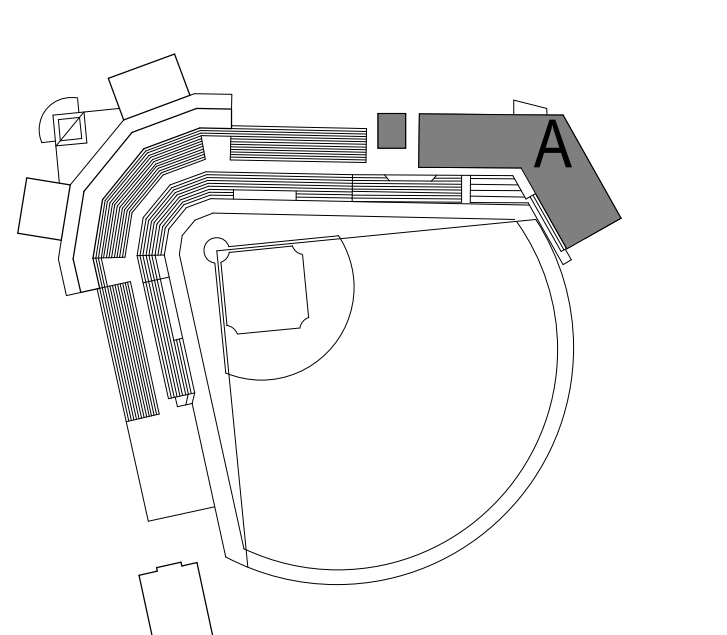
DATA SYMBOLS

- WALL MOUNTED DATA RECEPTACLE FOR LAN CONTAINED IN AUDIOVISUAL WIRING DEVICE PLATE (+18" AFF UON).
- WALL MOUNTED DATA RECEPTACLE FOR LAN, NOT CONTAINED IN AUDIOVISUAL WIRING DEVICE PLATE - FOR REFERENCE ONLY.
- FLOOR MOUNTED DATA RECEPTACLE FOR LAN CONTAINED IN AUDIOVISUAL WIRING DEVICE PLATE.
- FLOOR MOUNTED DATA RECEPTACLE FOR LAN, NOT CONTAINED IN AUDIOVISUAL WIRING DEVICE PLATE - FOR REFERENCE ONLY.

Keynote Legend

Key Value	Keynote Text
4A	FLUSH WALL-MOUNT VOLUME CONTROL INTERFACE - REFER TO SPECIFICATION SECTION 274116 FOR BASIS OF DESIGN REQUIREMENTS AND QUANTITY
5A	CEILING MOUNTED LOUDSPEAKER - REFER TO SPECIFICATION SECTION 274116 FOR BASIS OF DESIGN REQUIREMENTS AND QUANTITY
5B	PERFORMANCE LOUD SPEAKER - REFER TO SPECIFICATION SECTION 274116 FOR BASIS OF DESIGN REQUIREMENTS AND QUANTITY
7A	VIDEO DISPLAY - REFER TO SPECIFICATION SECTION 274116 FOR BASIS OF DESIGN REQUIREMENTS AND QUANTITY
7C	VIDEO WALL ARRAY - REFER TO SPECIFICATION SECTION 274116 FOR MANUFACTURER, MODEL, AND QUANTITY

KEY PLAN



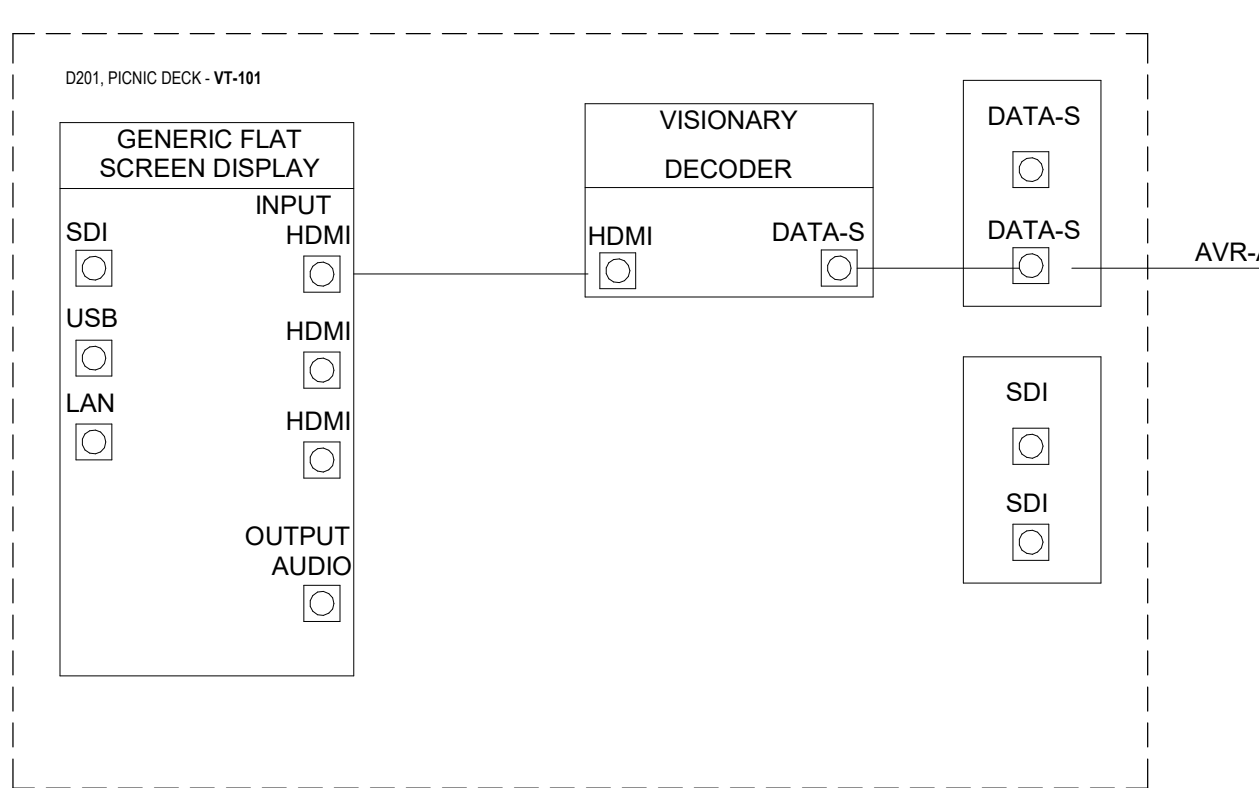
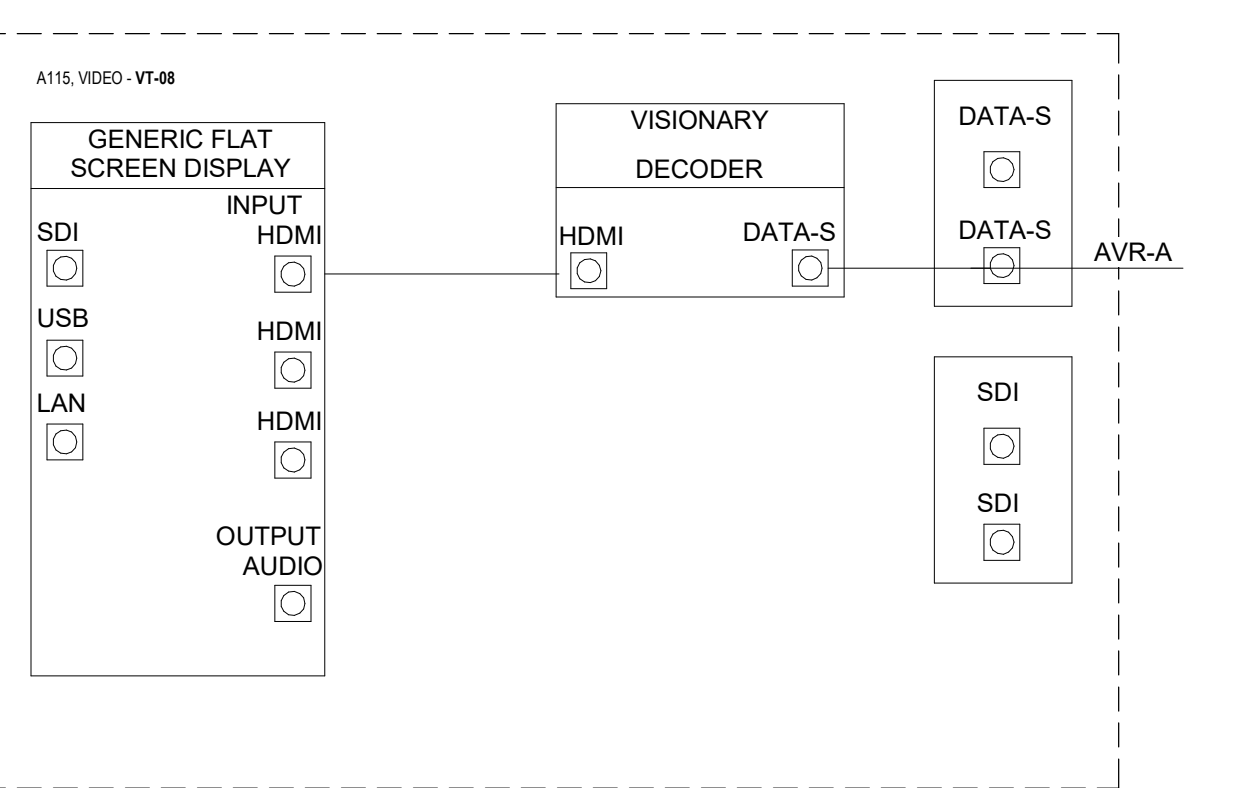
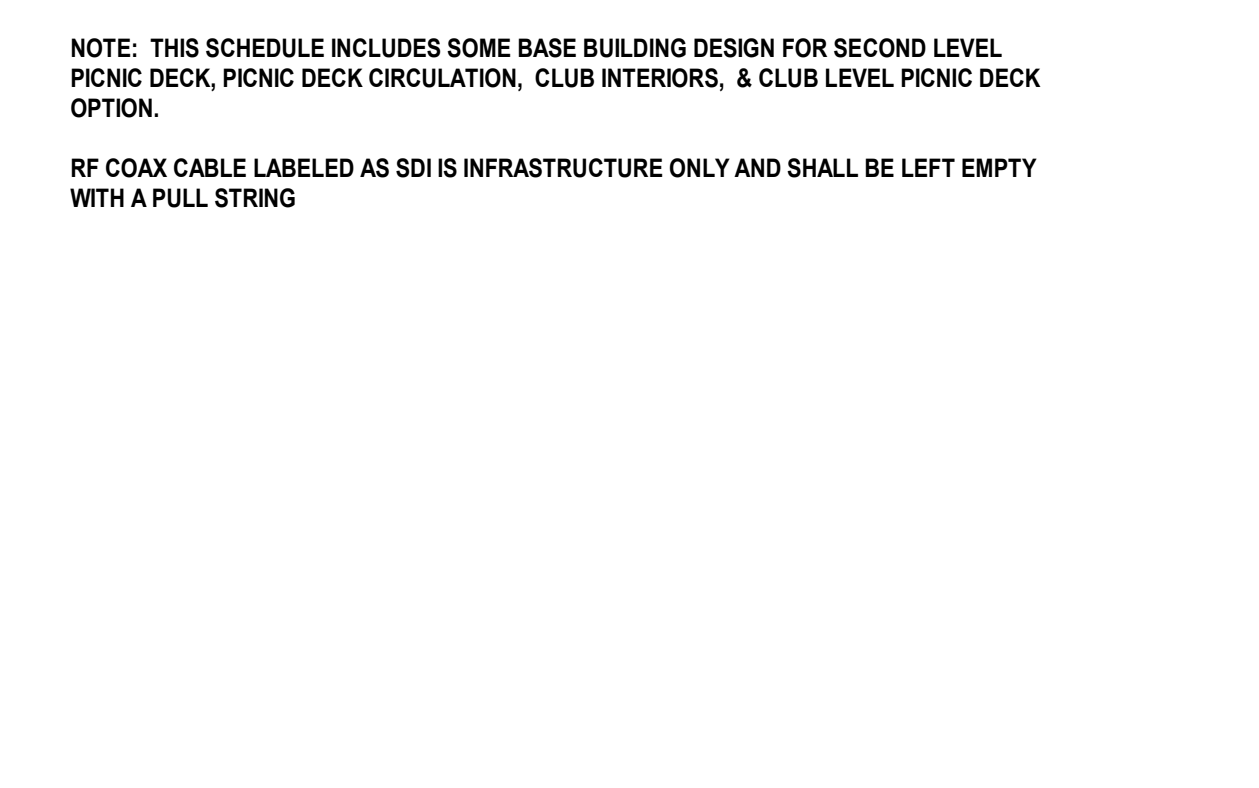
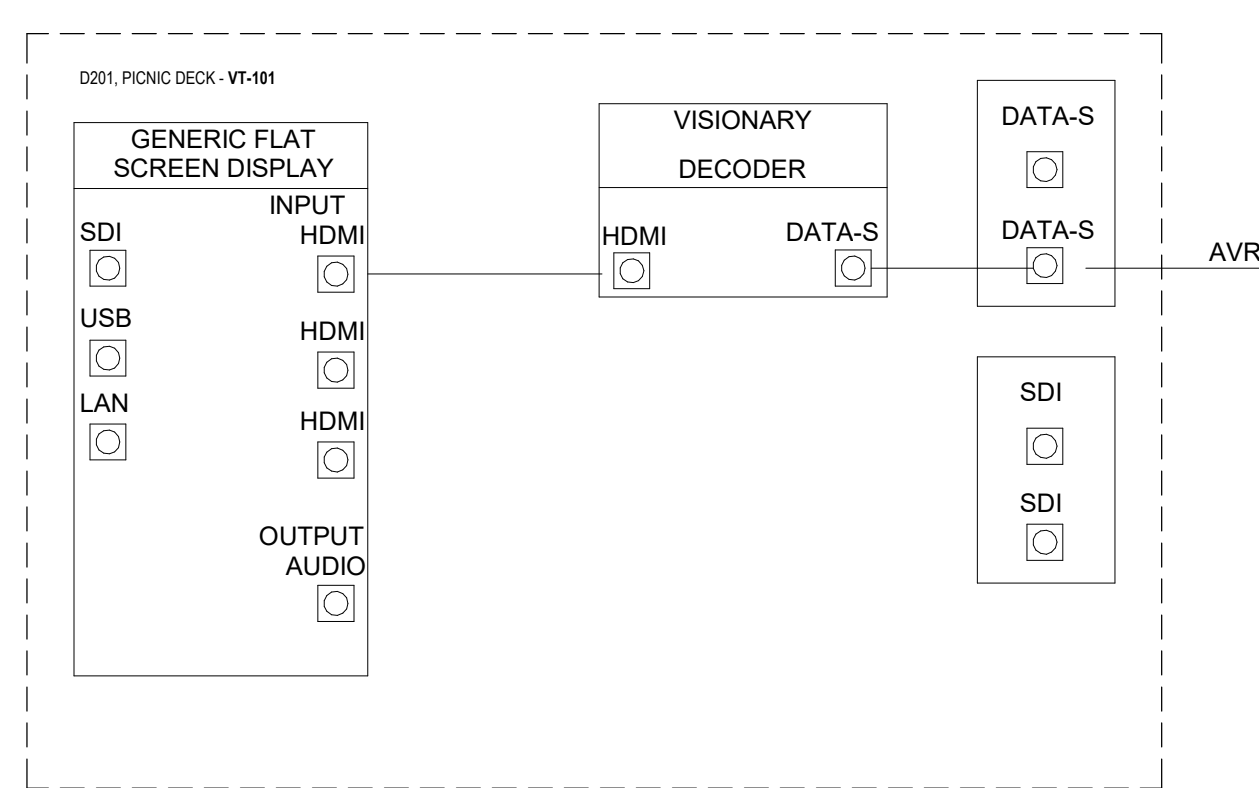
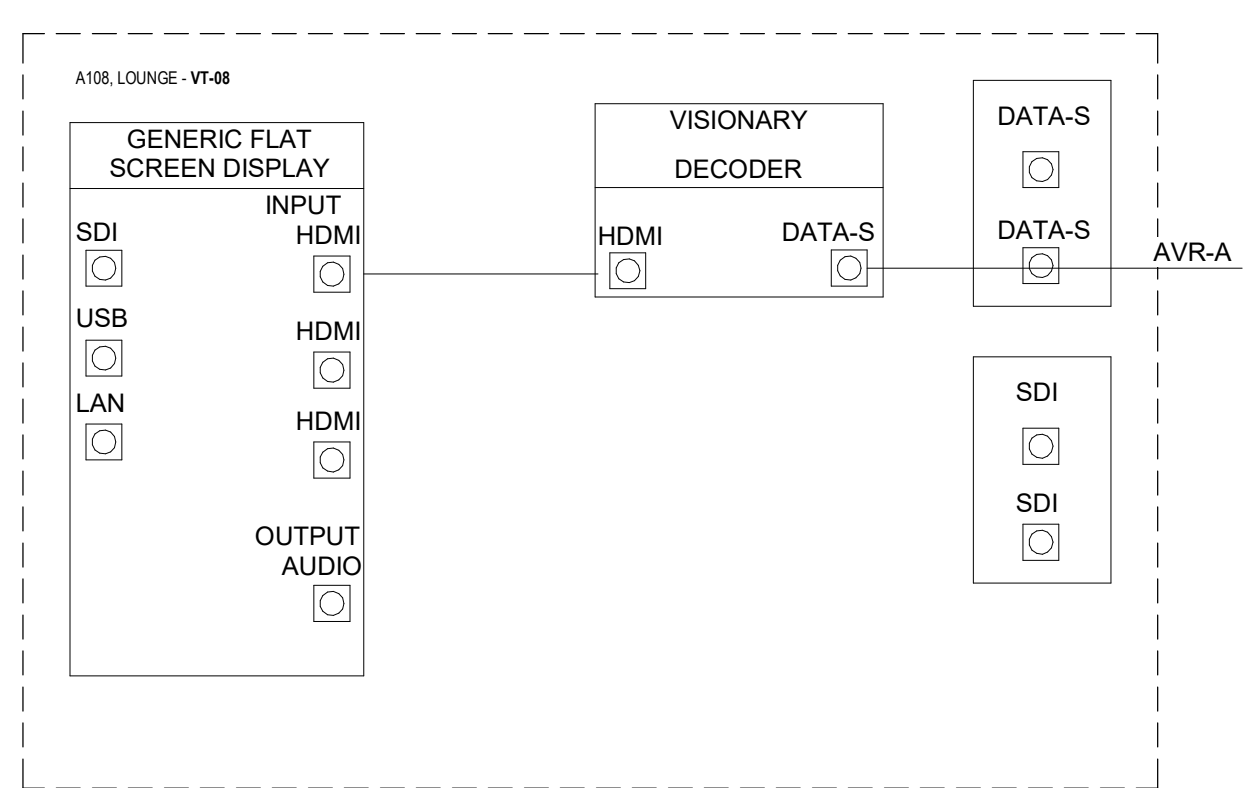
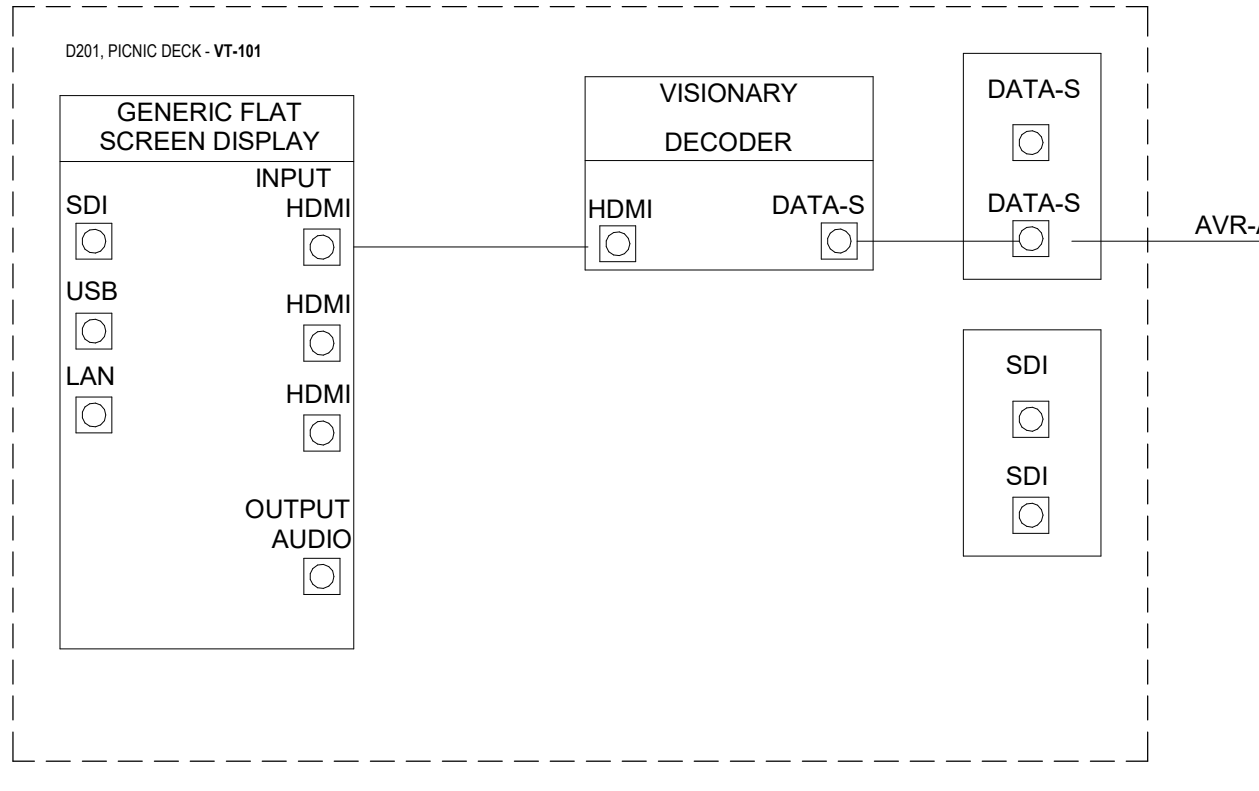
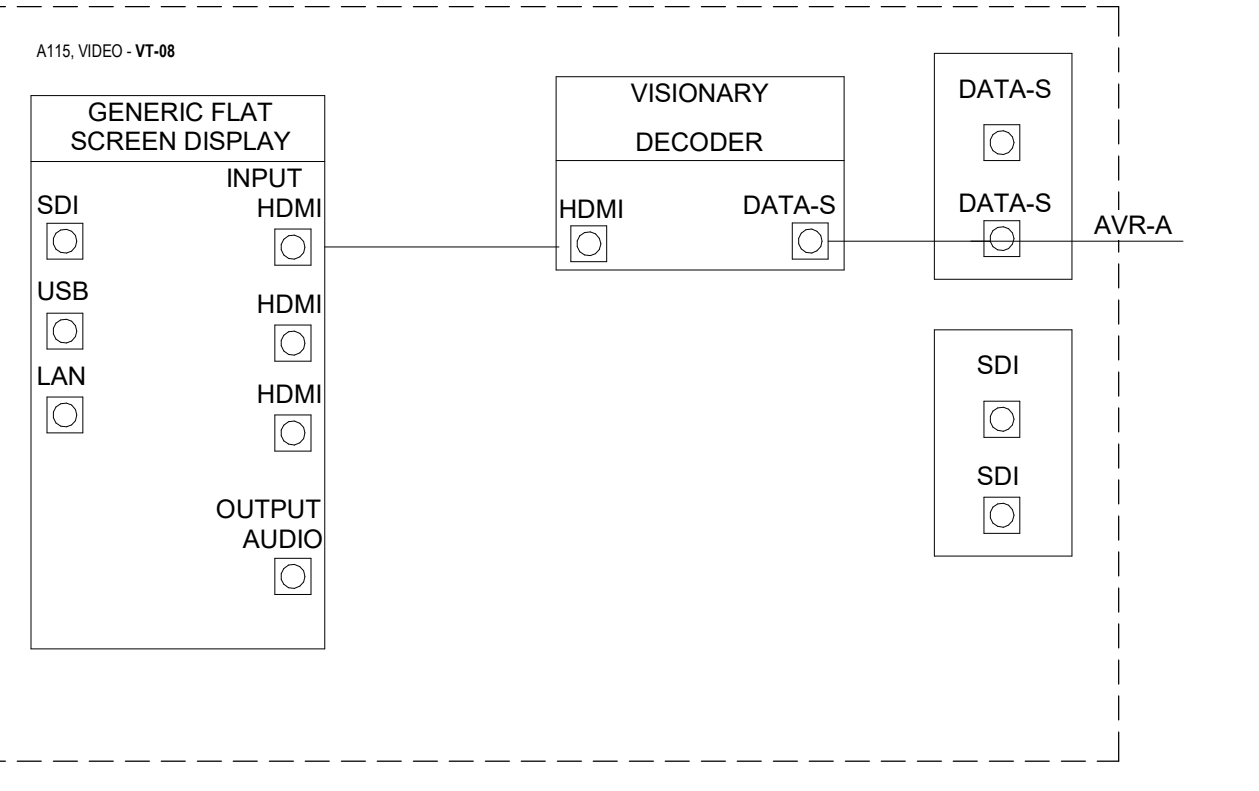
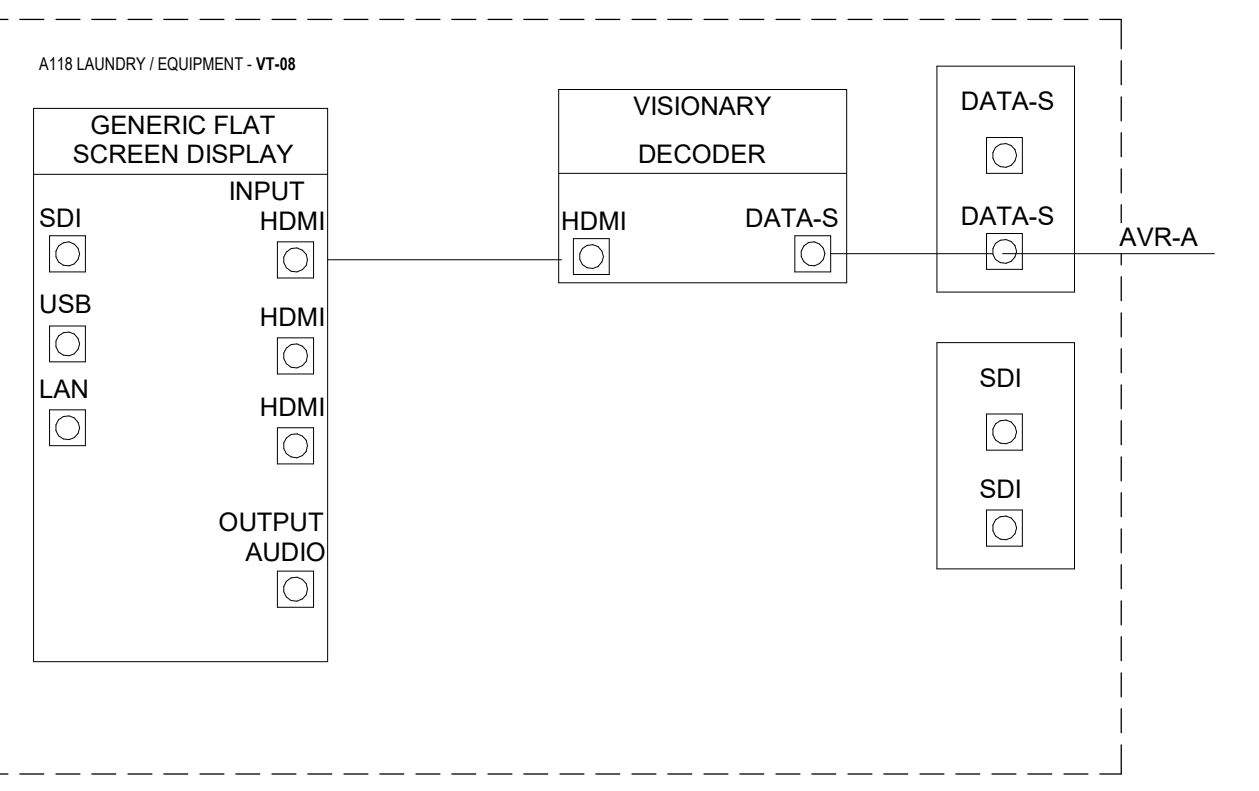
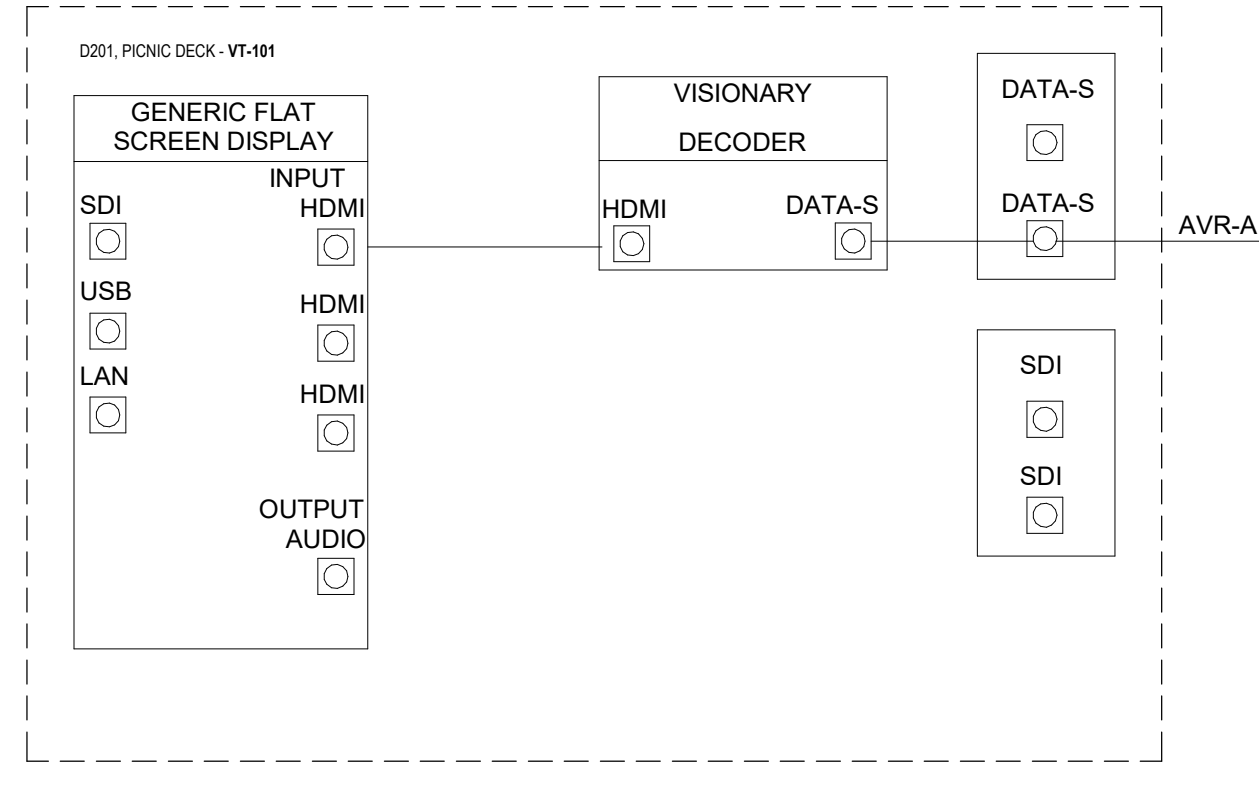
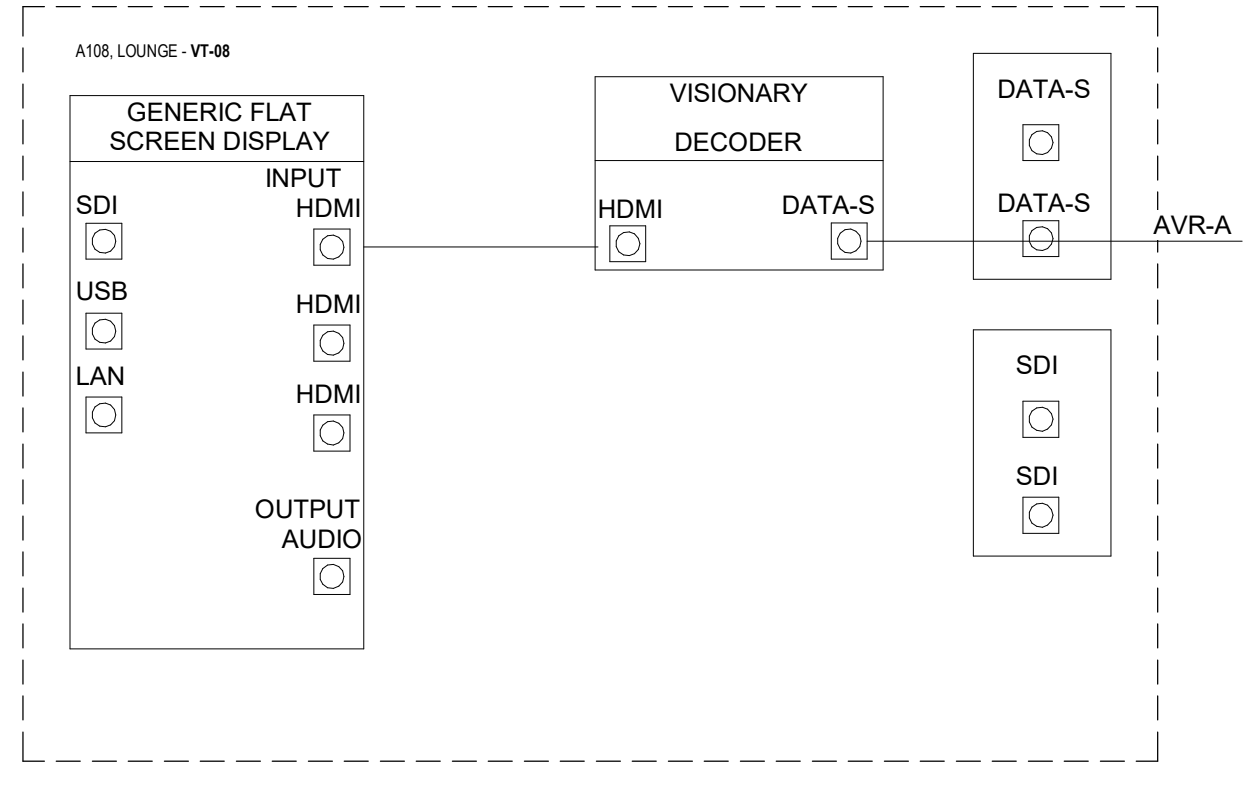
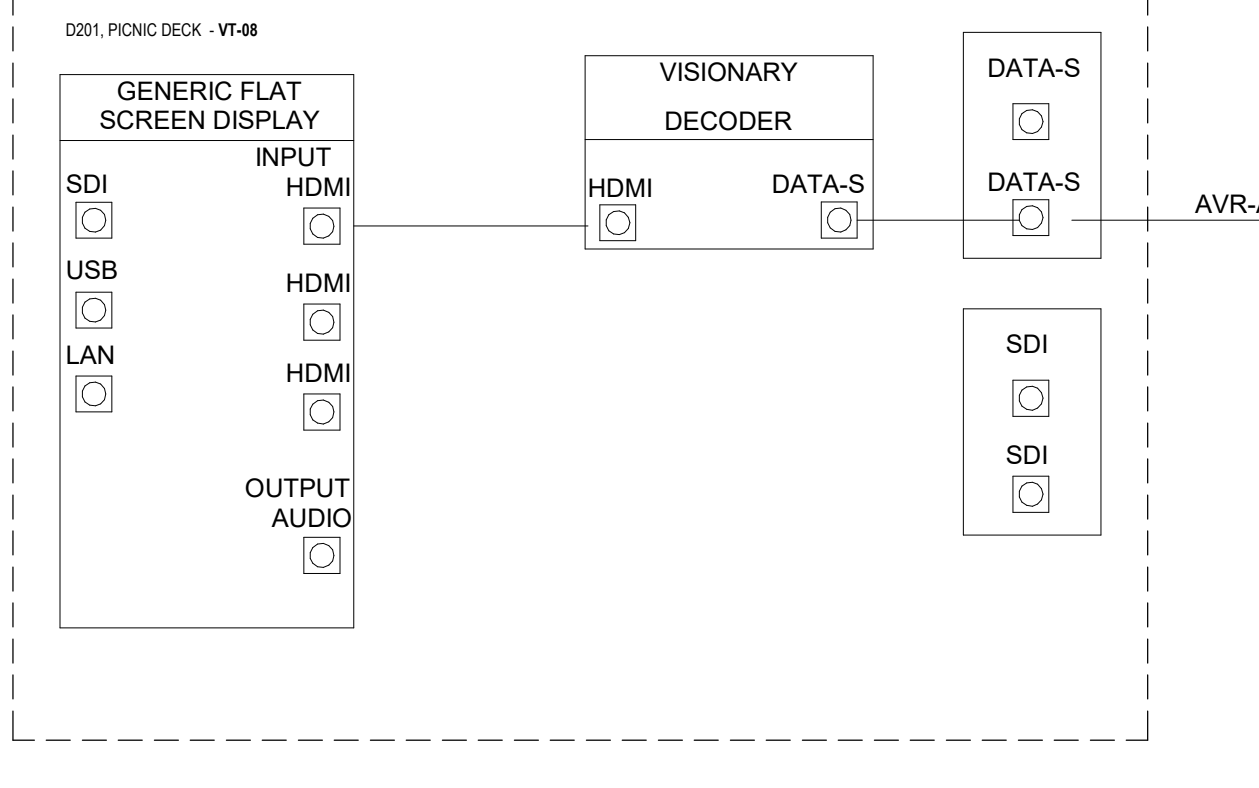
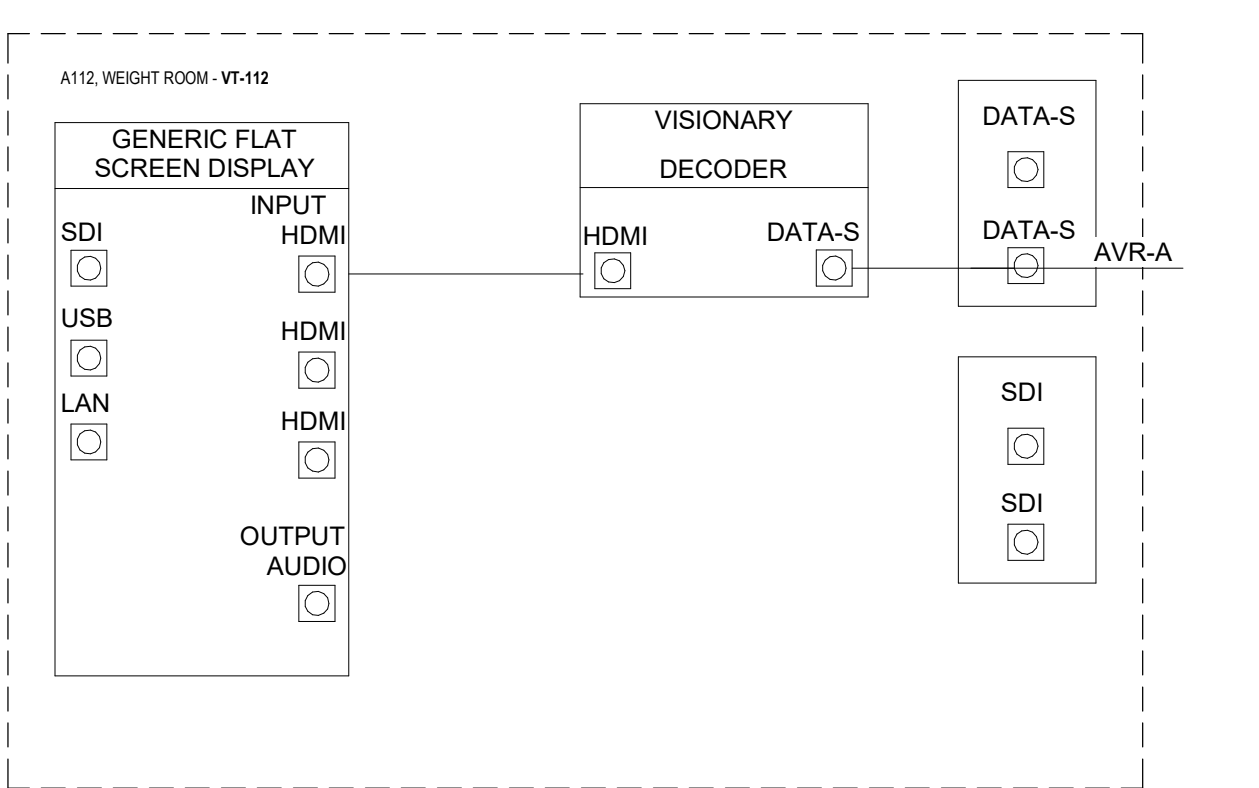
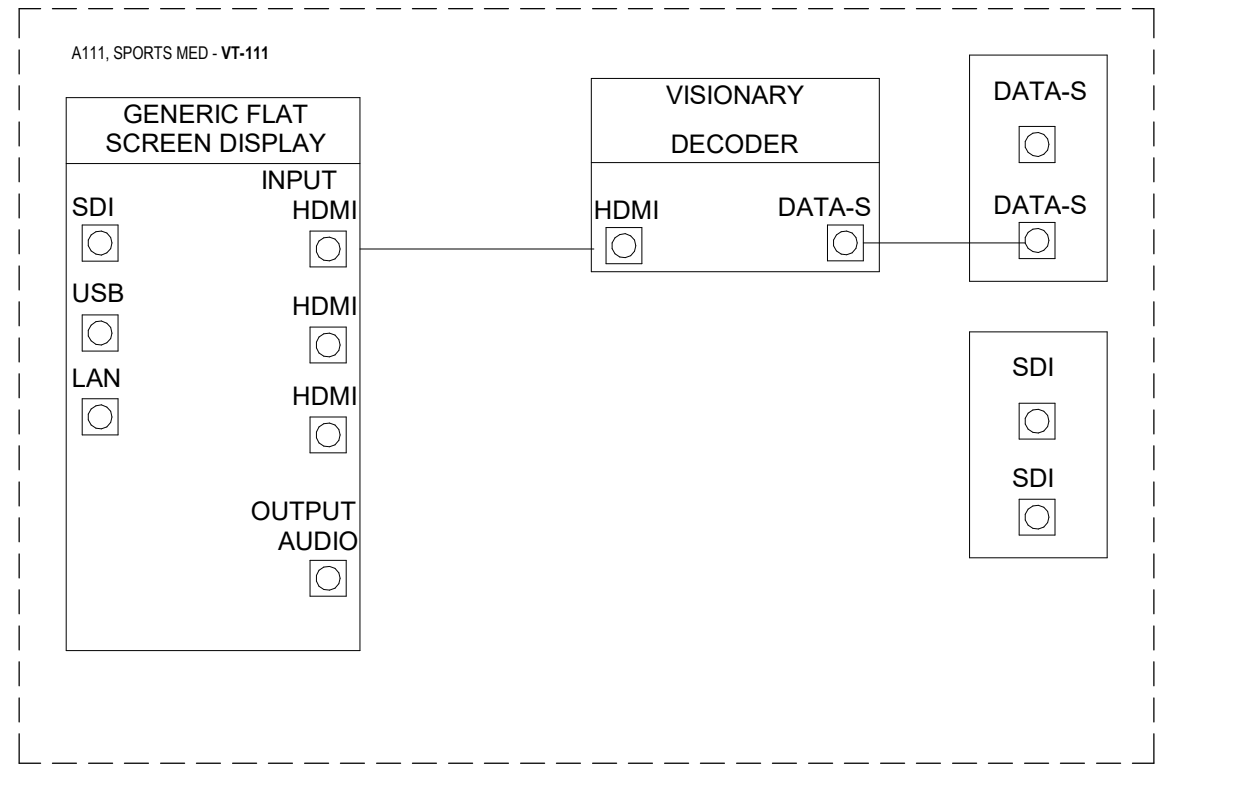
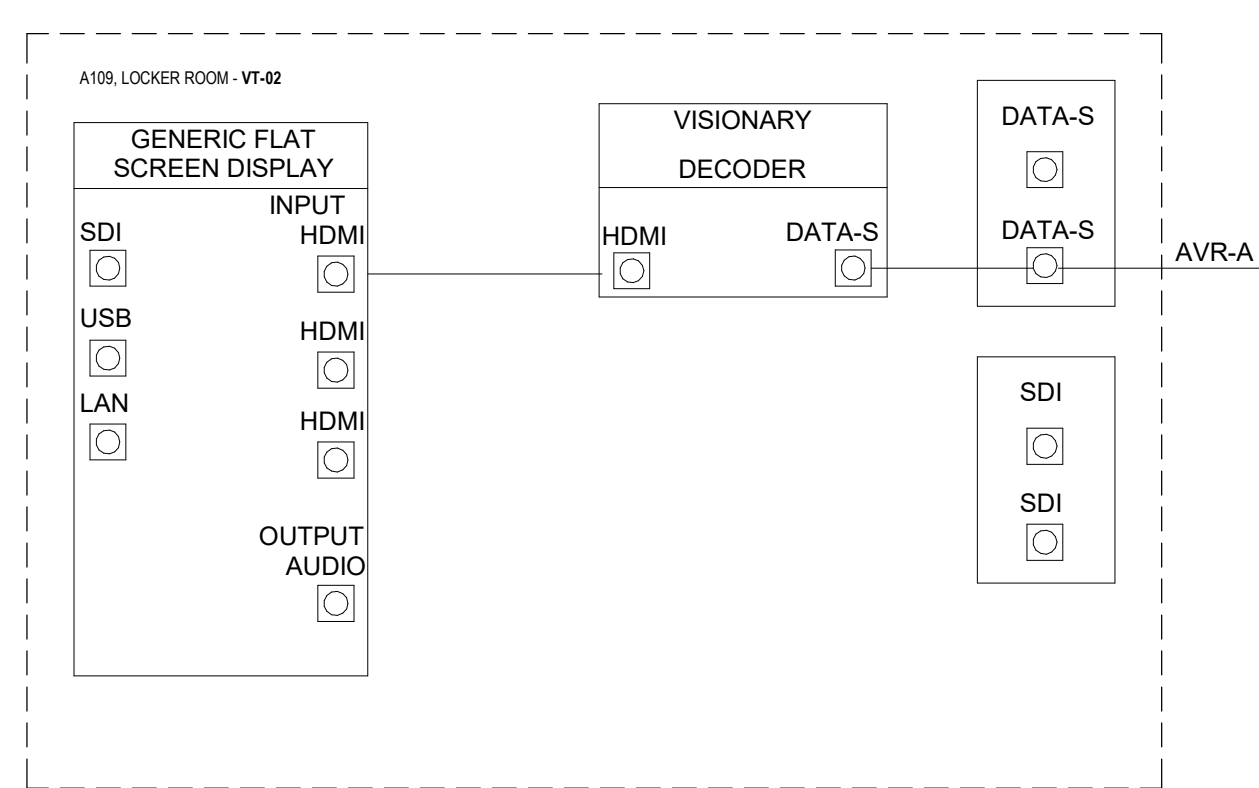
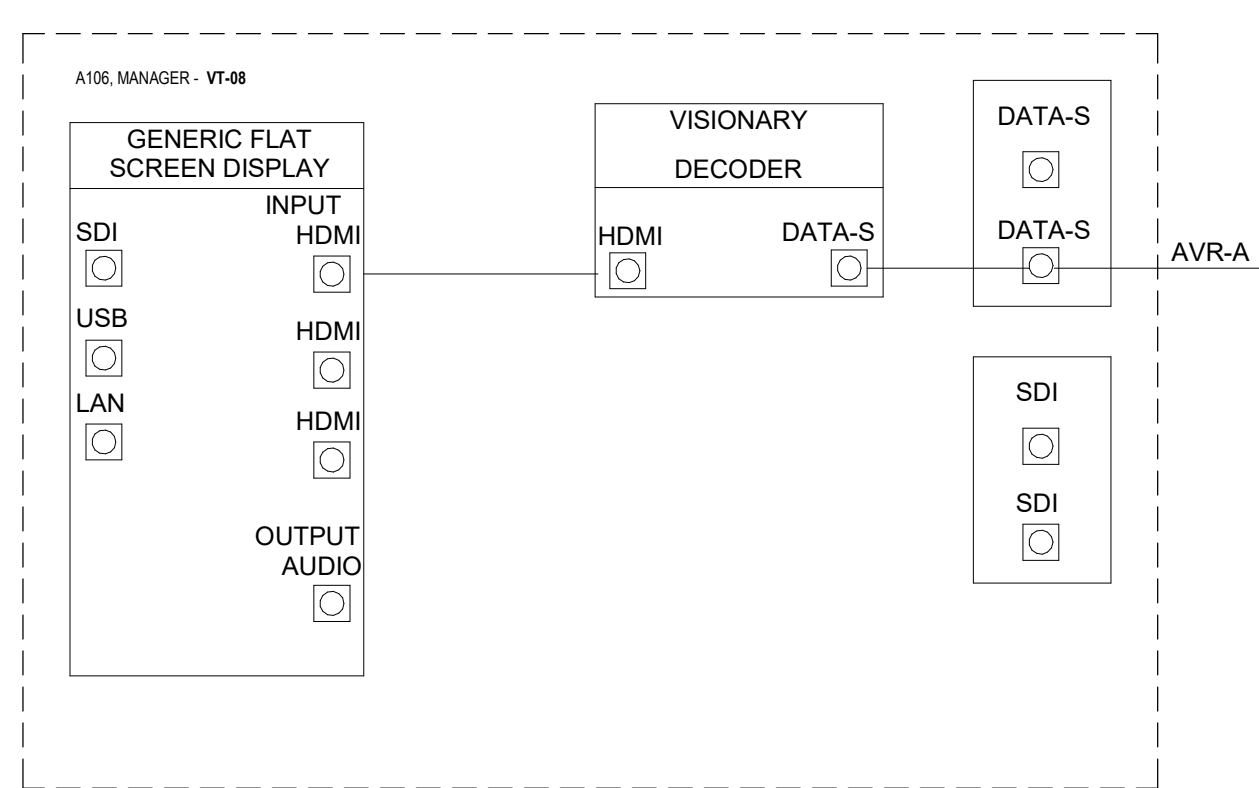
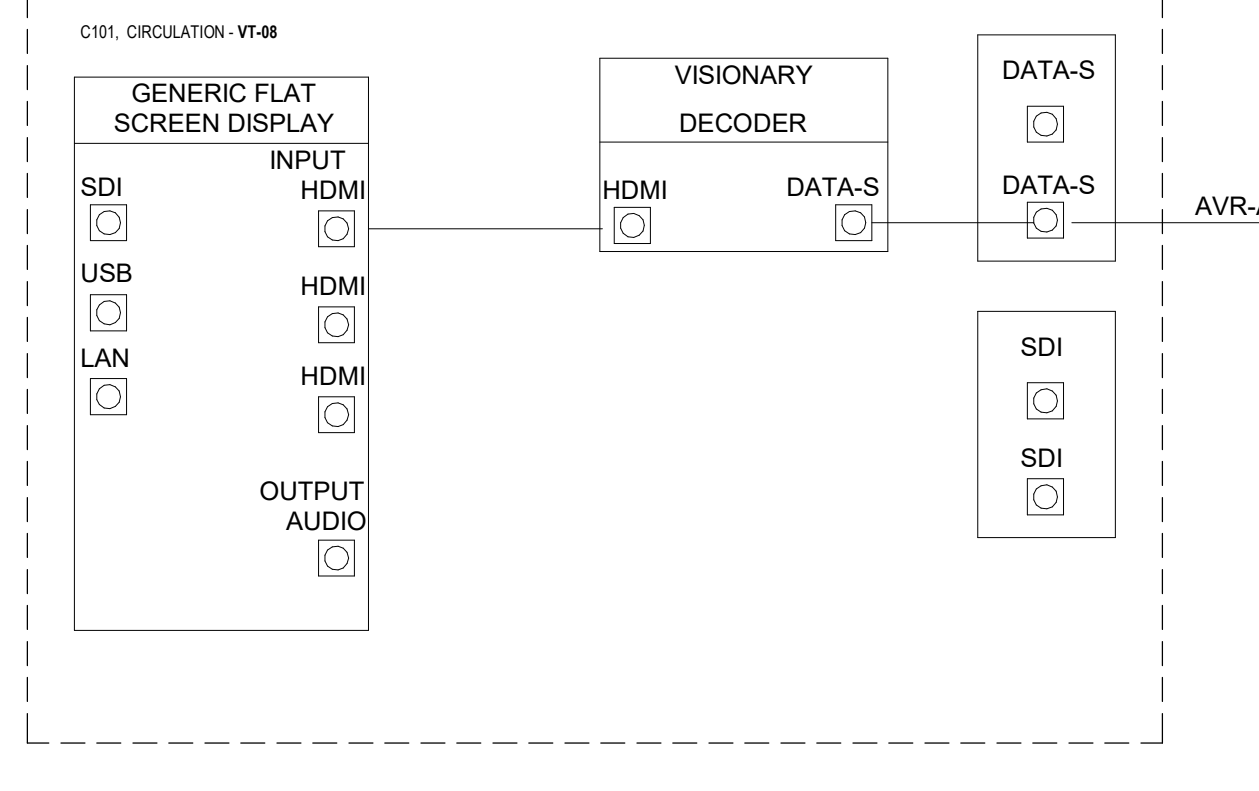
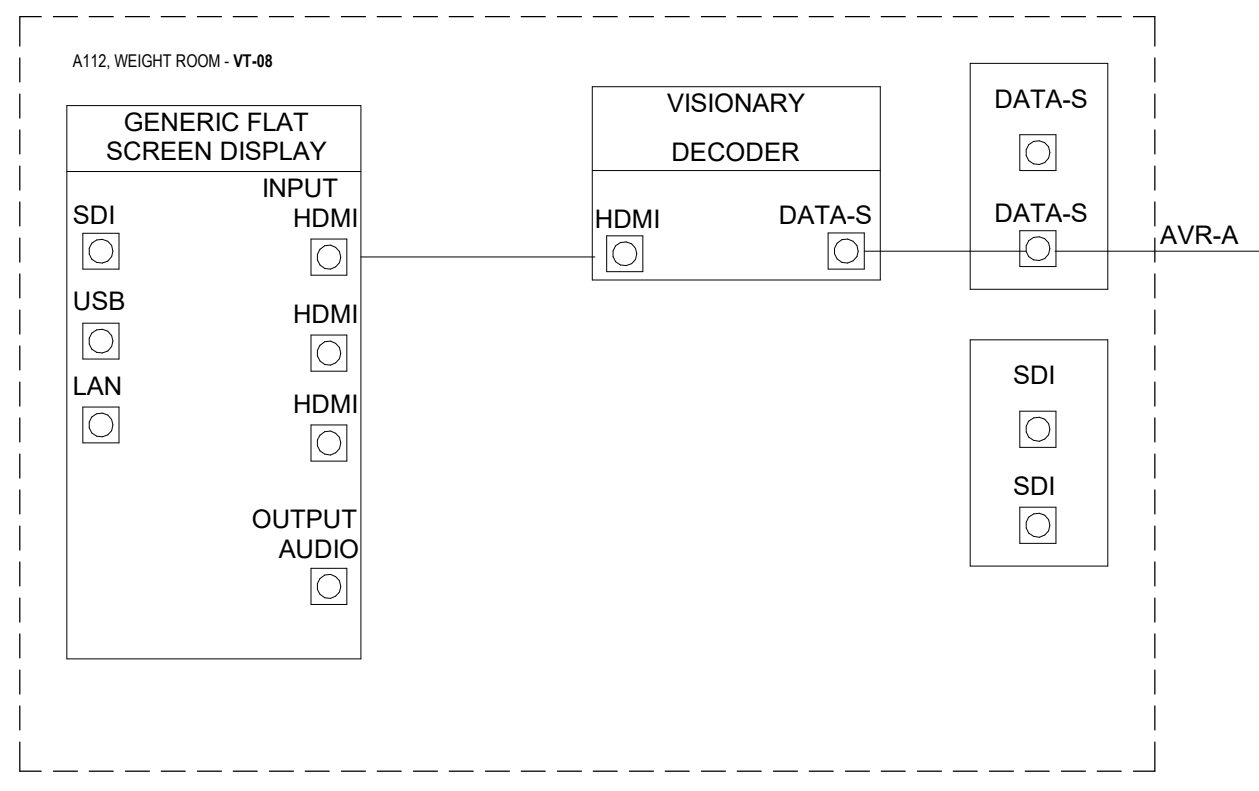
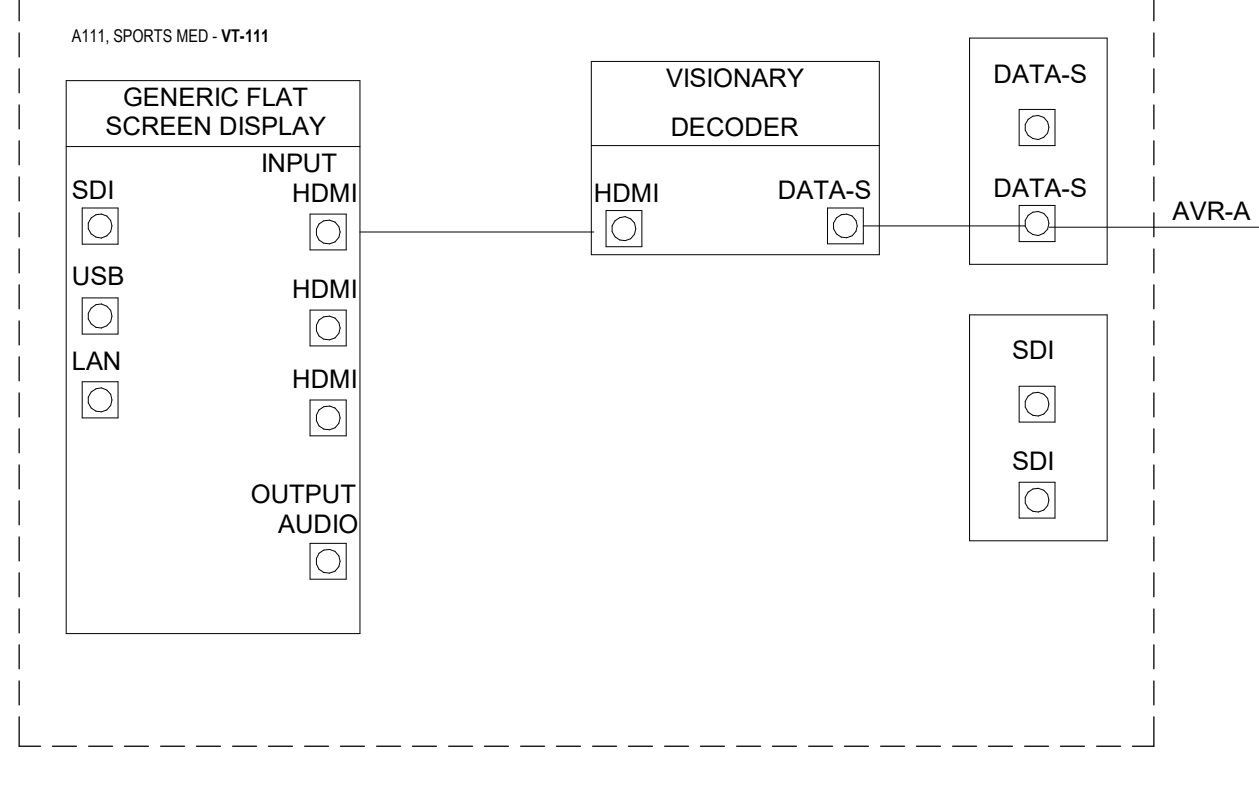
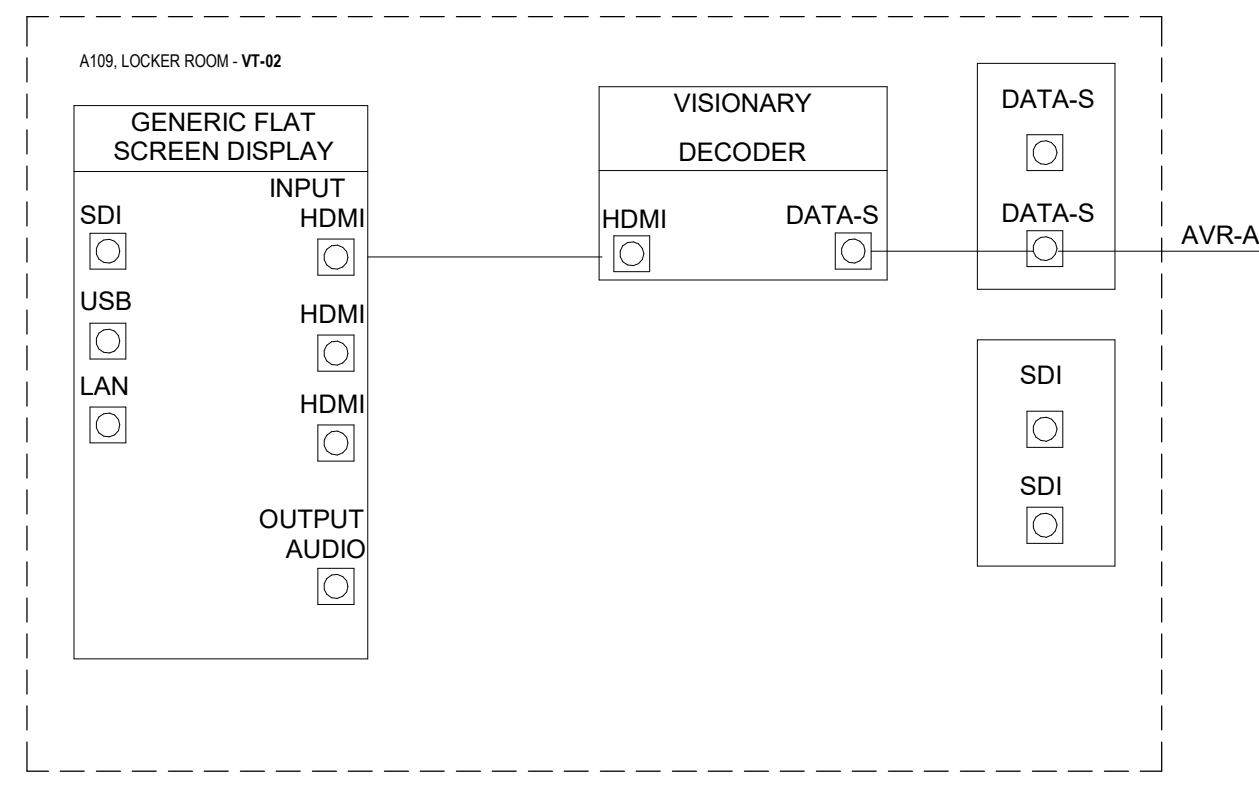
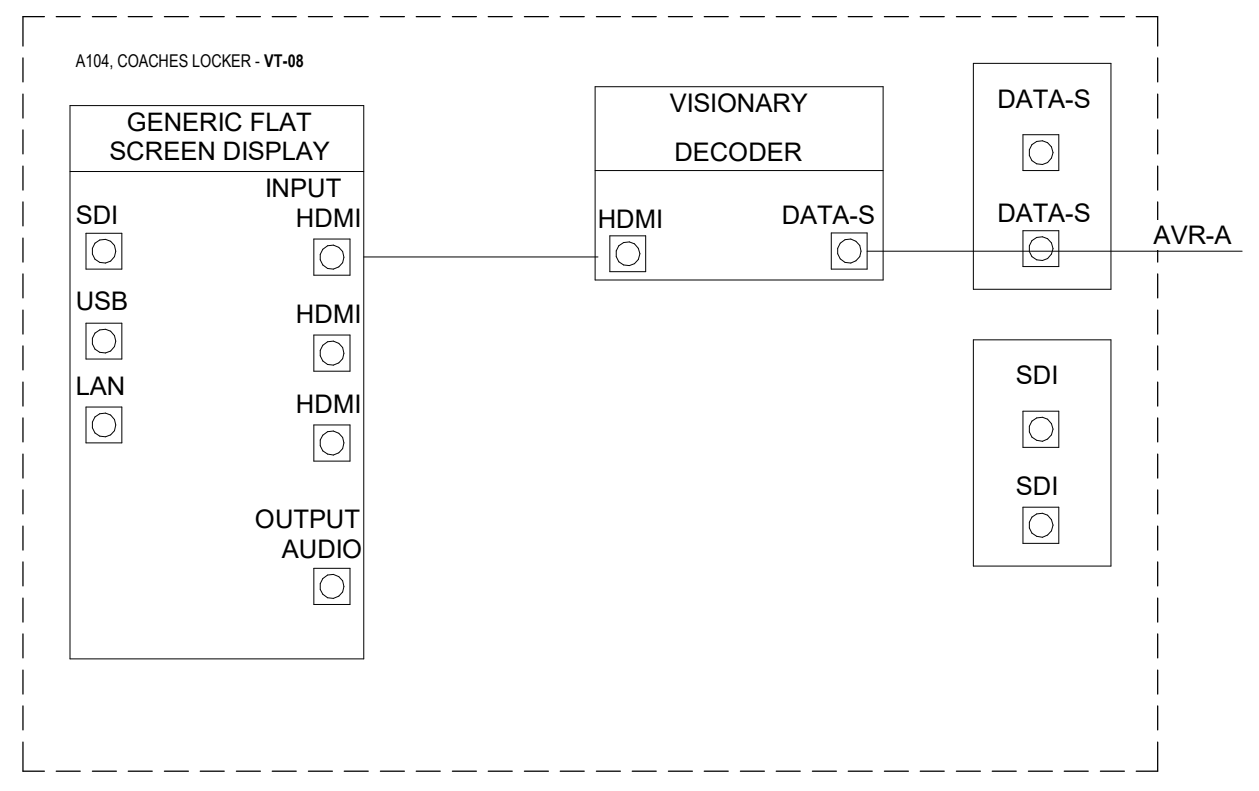
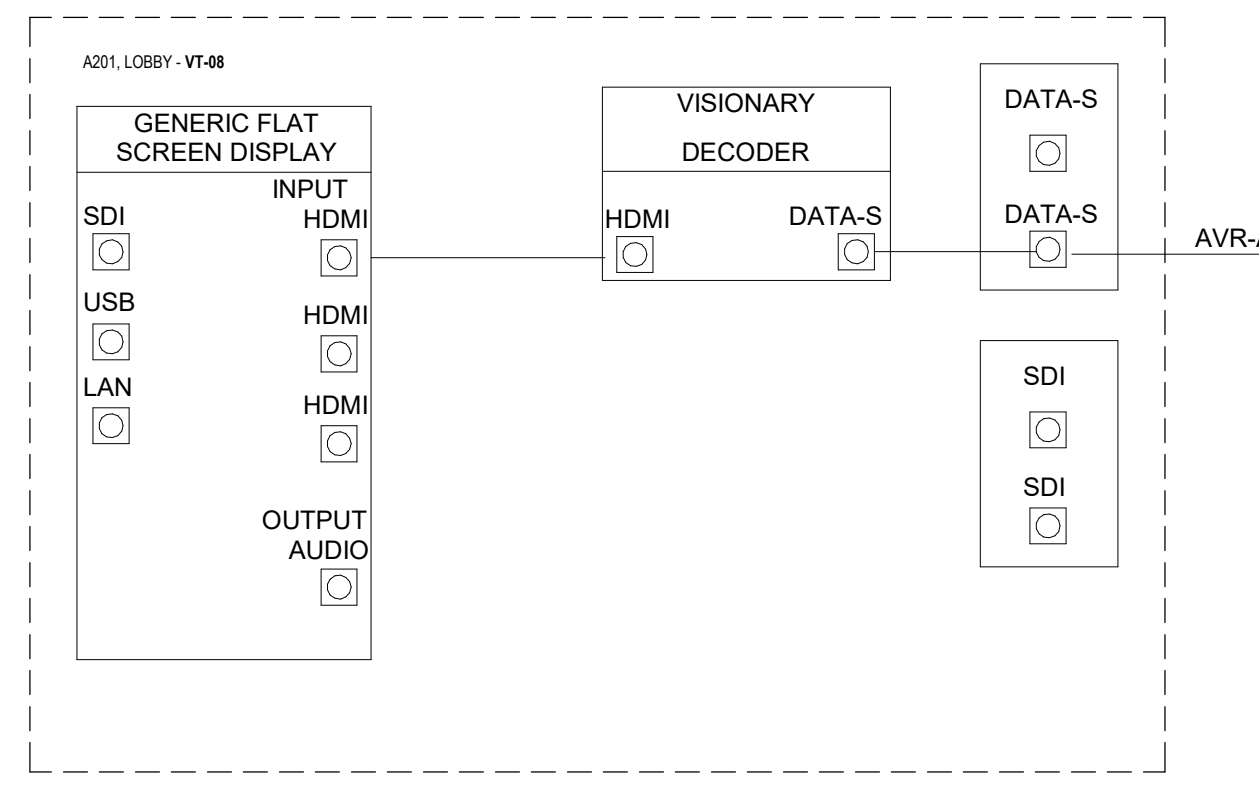
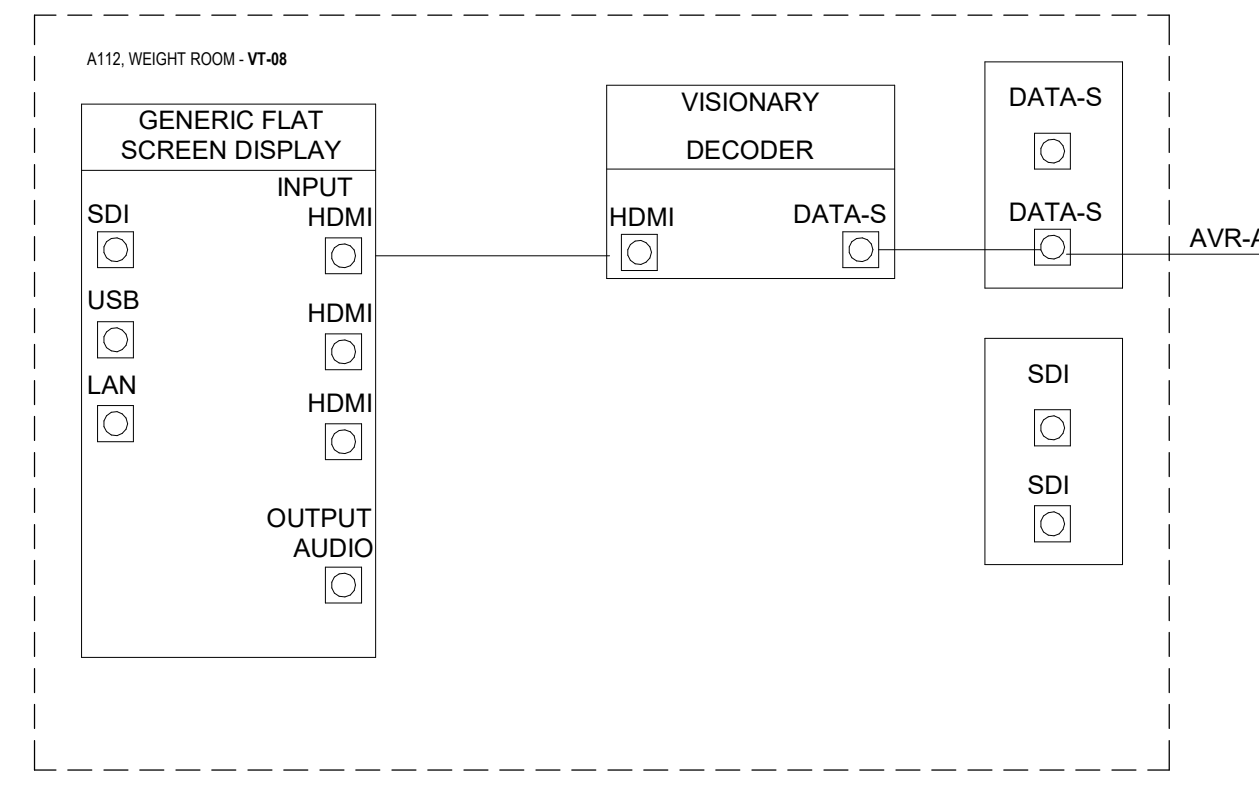
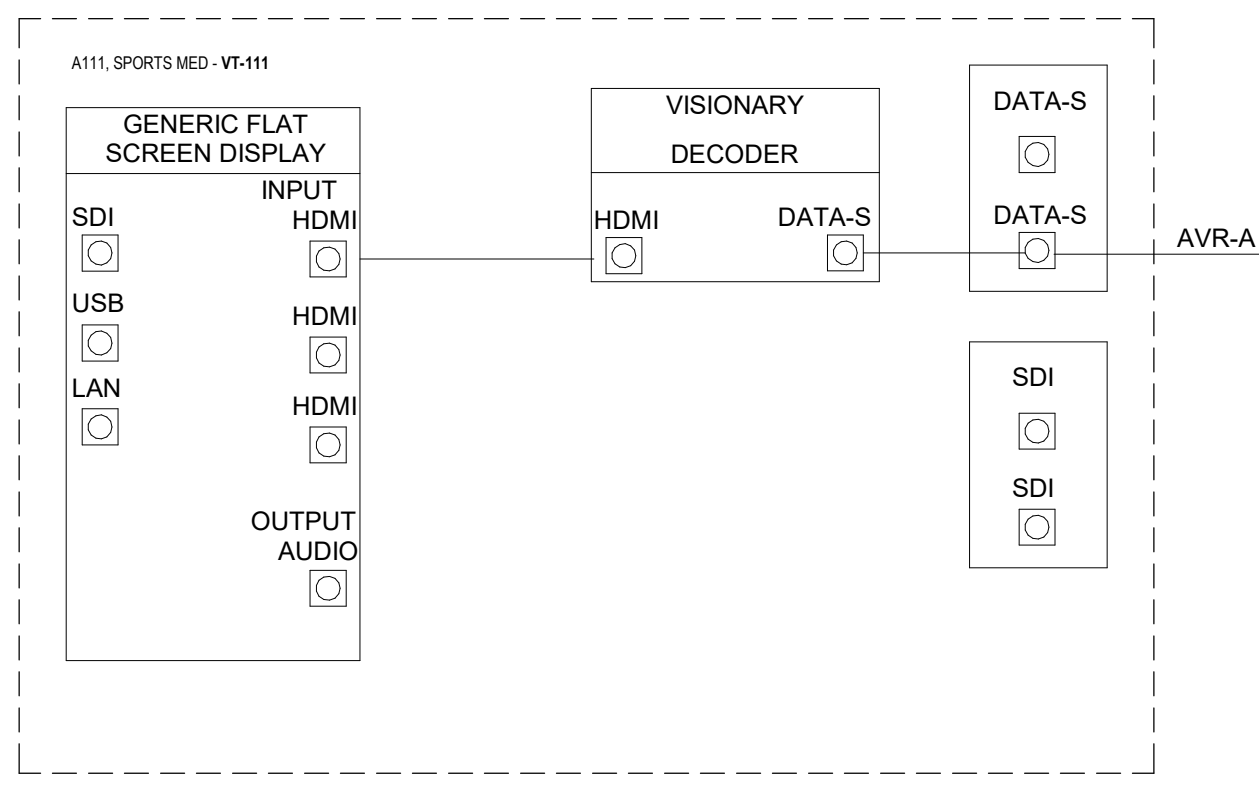
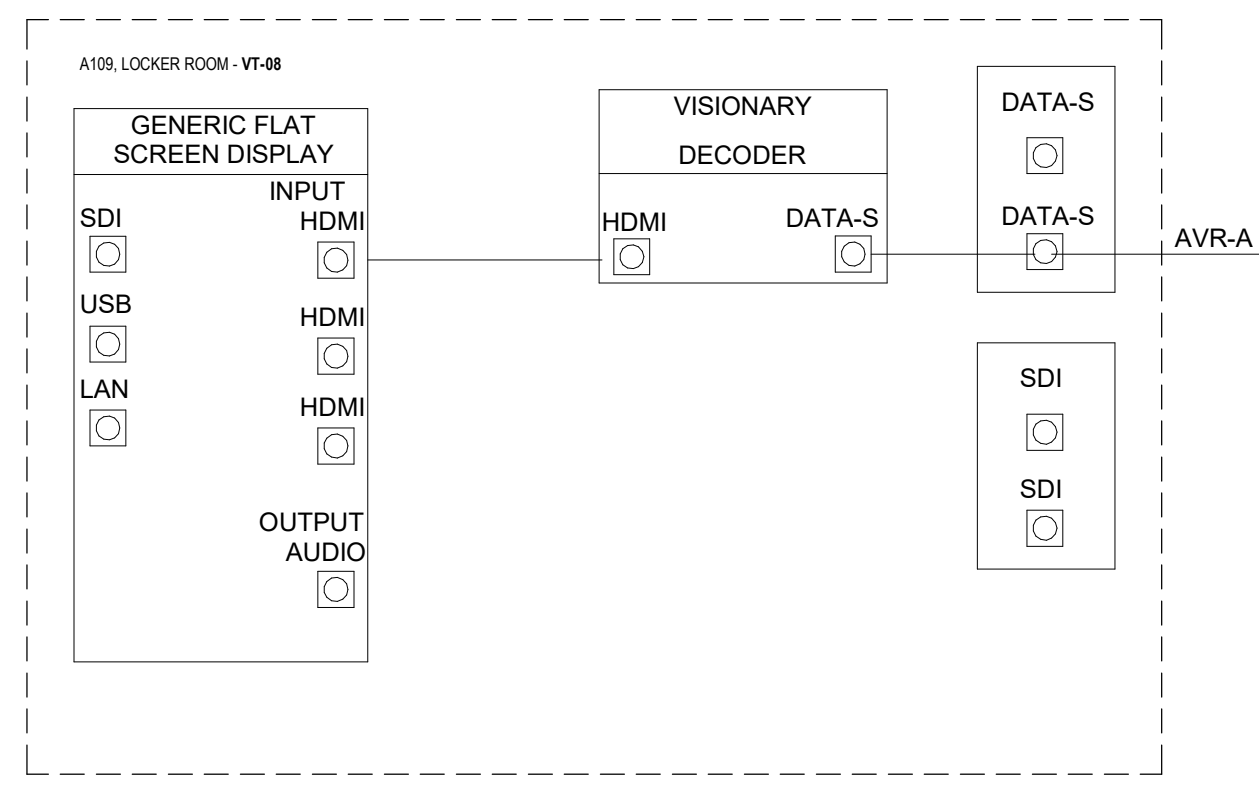
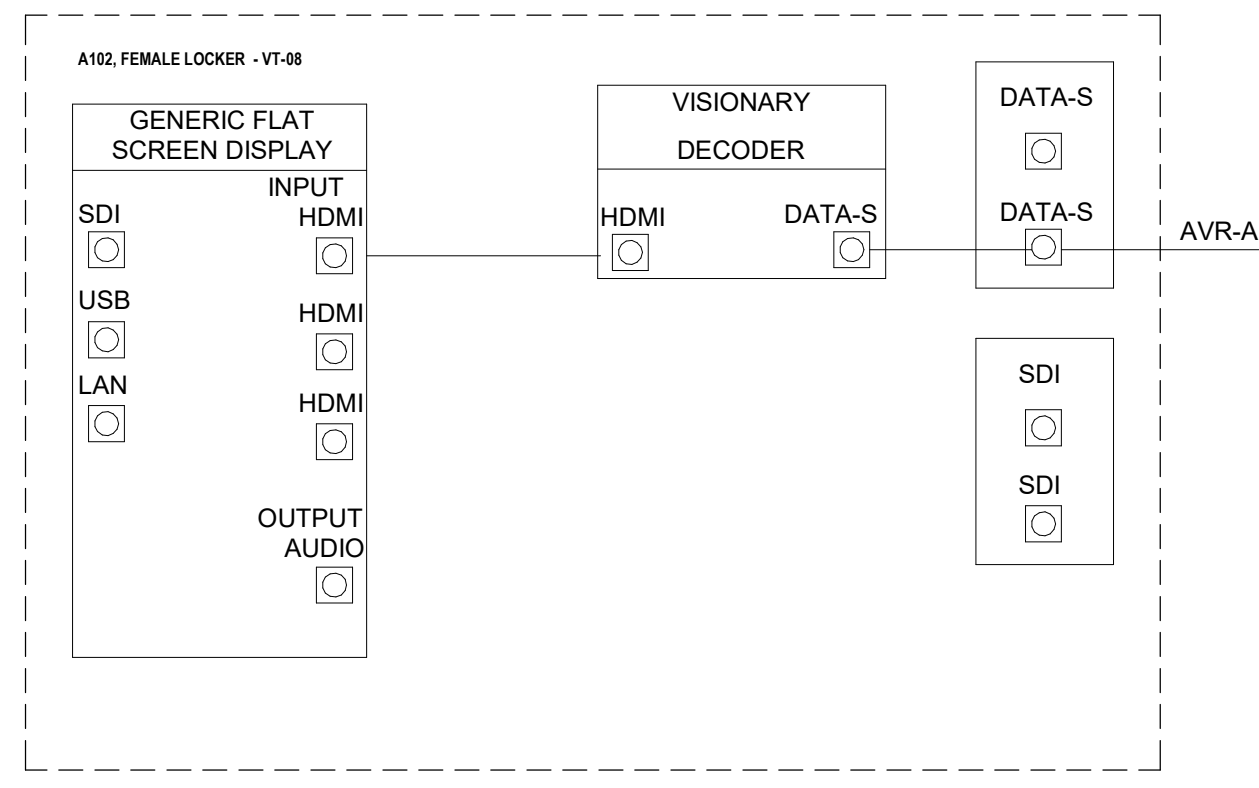
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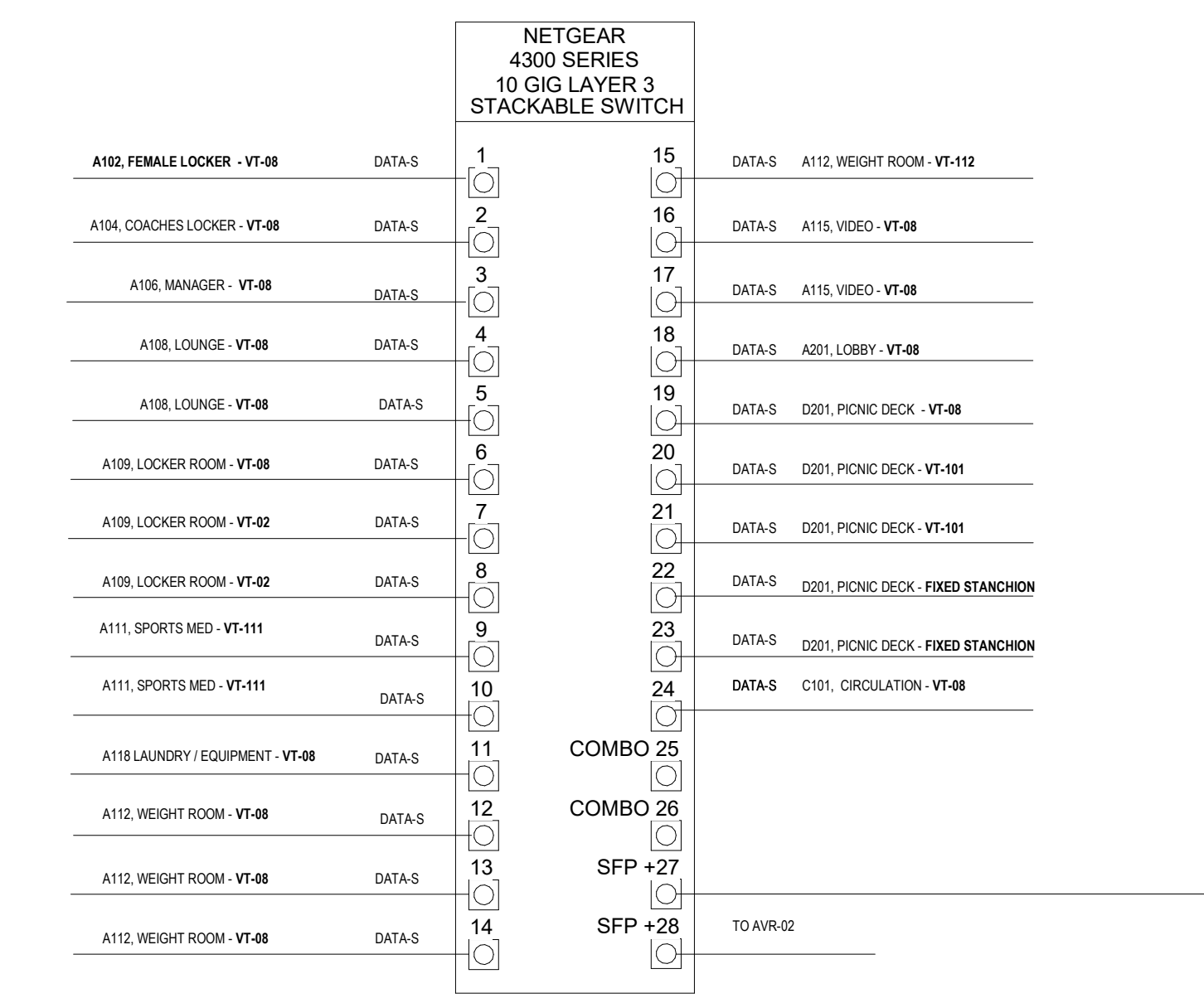
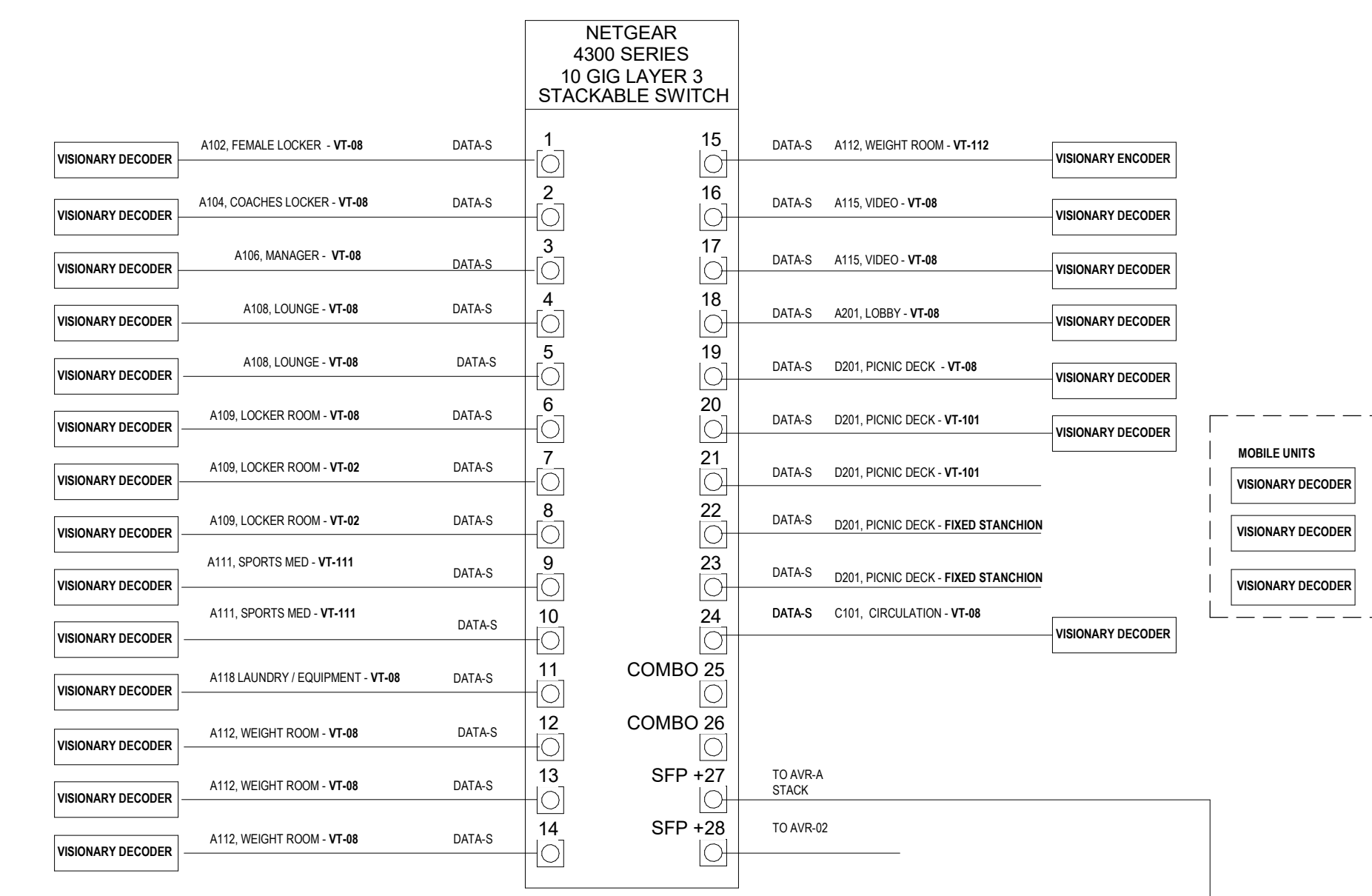
NOTE: THIS SCHEDULE INCLUDES SOME BASE BUILDING DESIGN FOR SECOND LEVEL PICNIC DECK, PICNIC DECK CIRCULATION, CLUB INTERIORS, & CLUB LEVEL PICNIC DECK OPTION.

RF COAX CABLE LABELED AS SDI IS INFRASTRUCTURE ONLY AND SHALL BE LEFT EMPTY WITH A PULL STRING

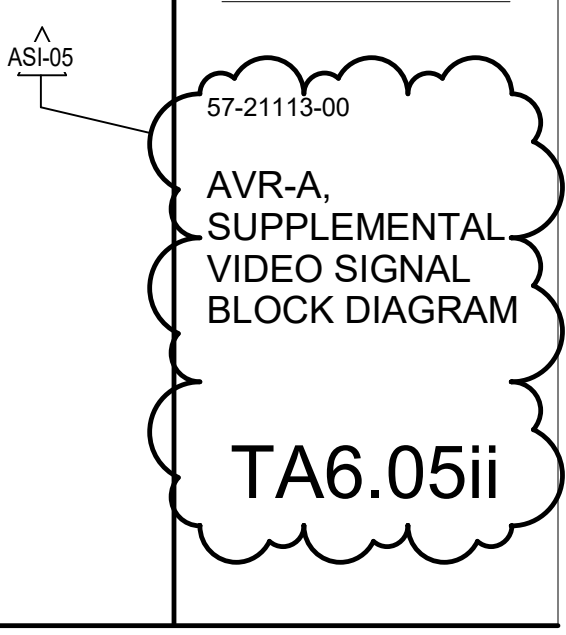
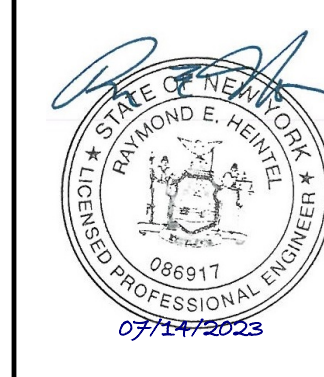
1 SIGNAL BLOCK DIAGRAM - VIDEO DISTRIBUTION
TA6.04i SCALE: 12" = 1'-0"



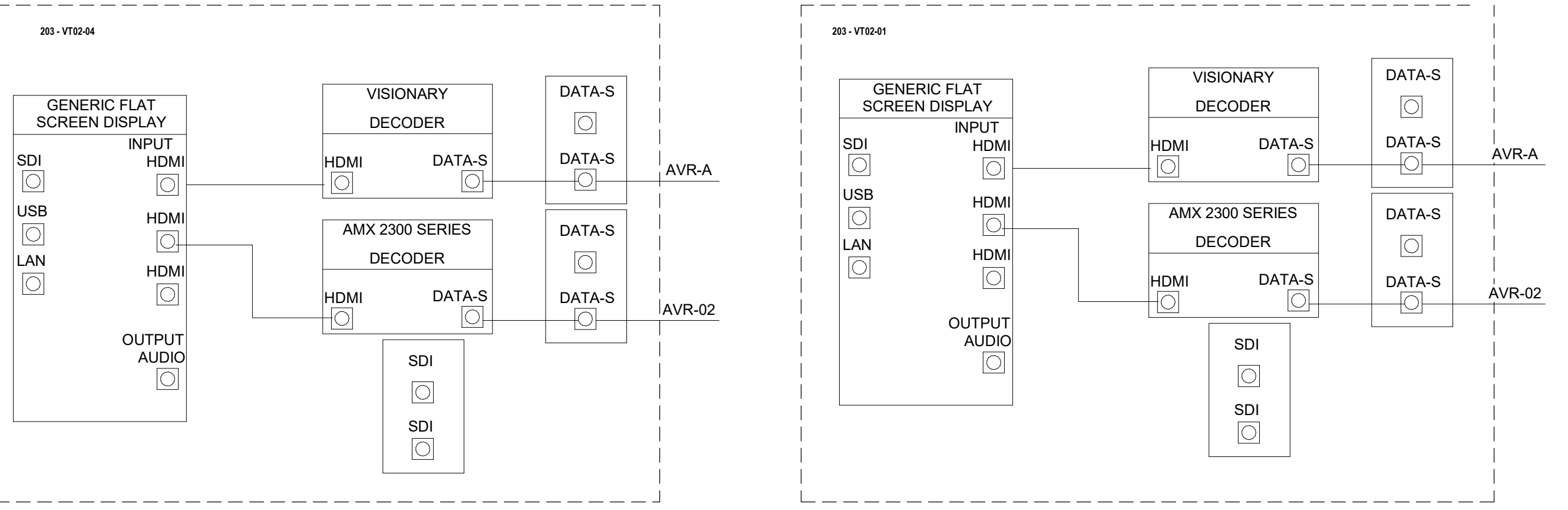
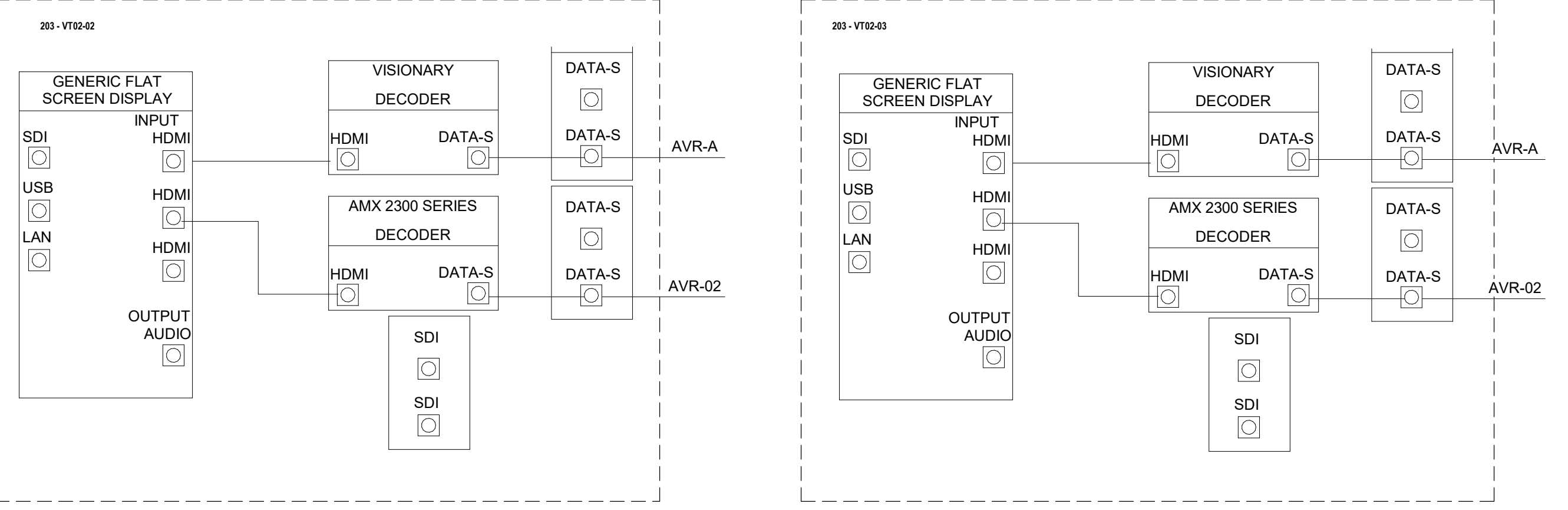
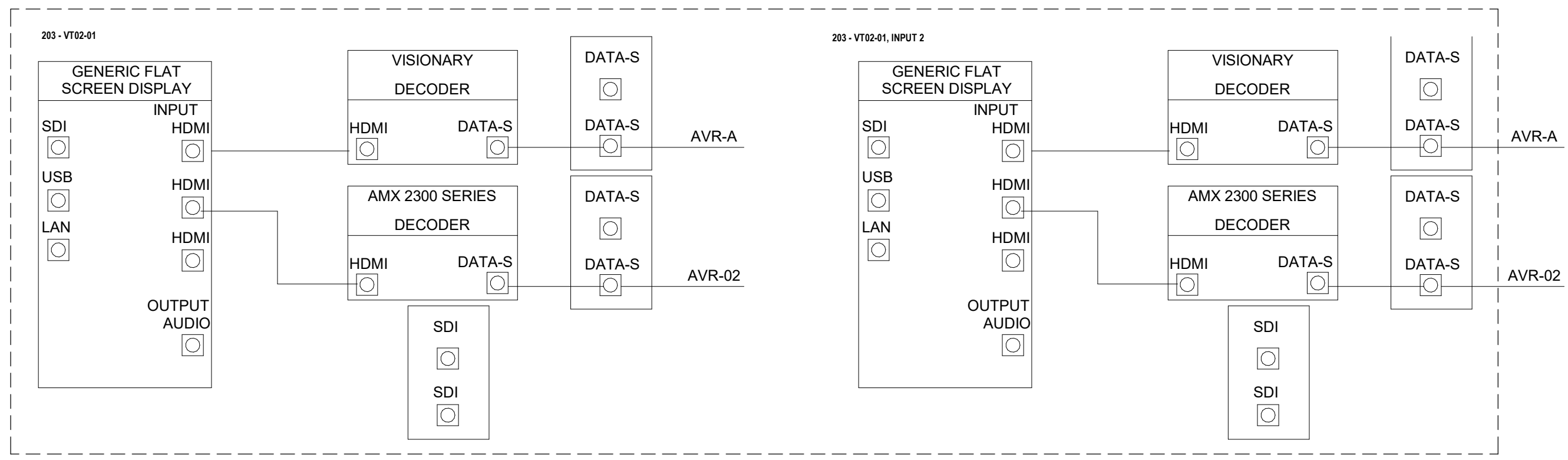
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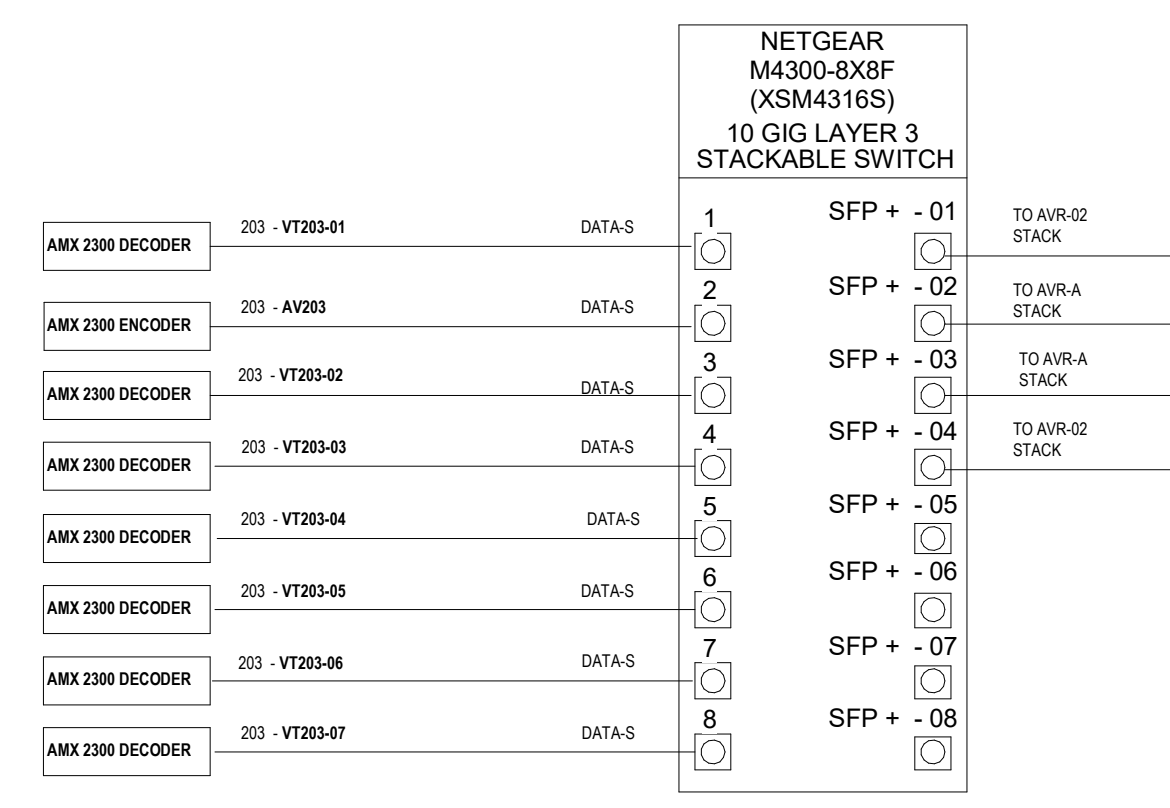
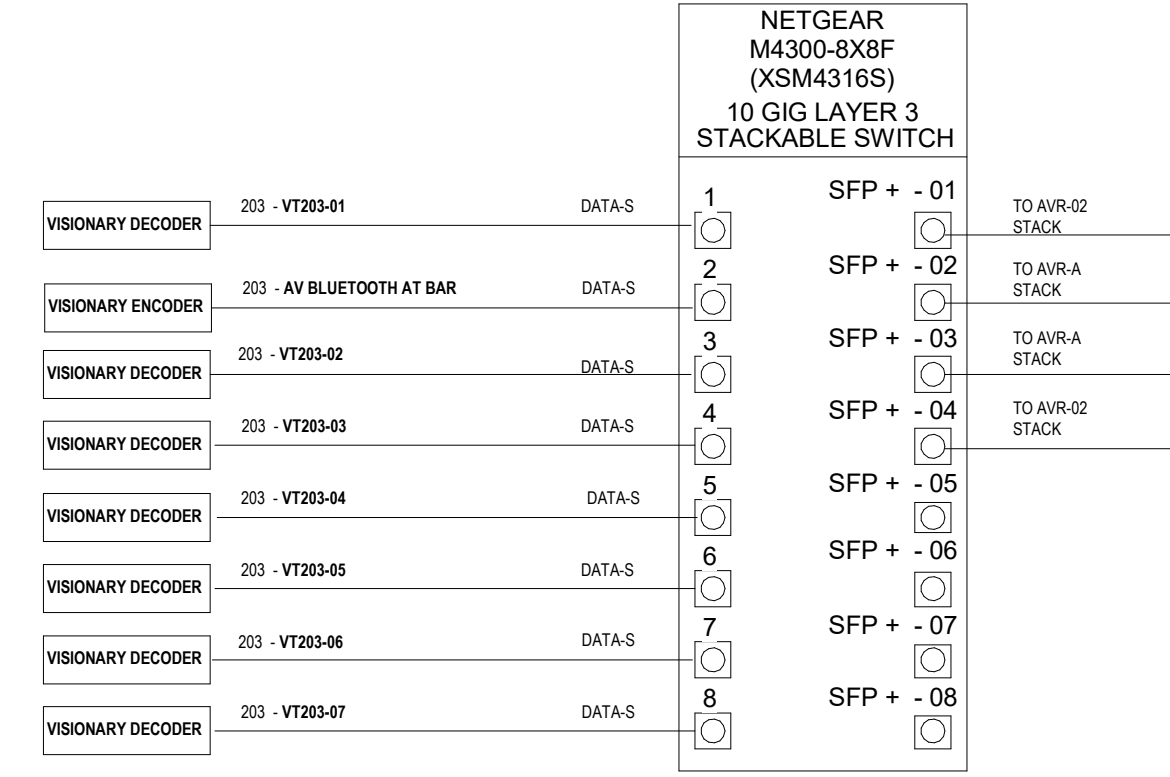
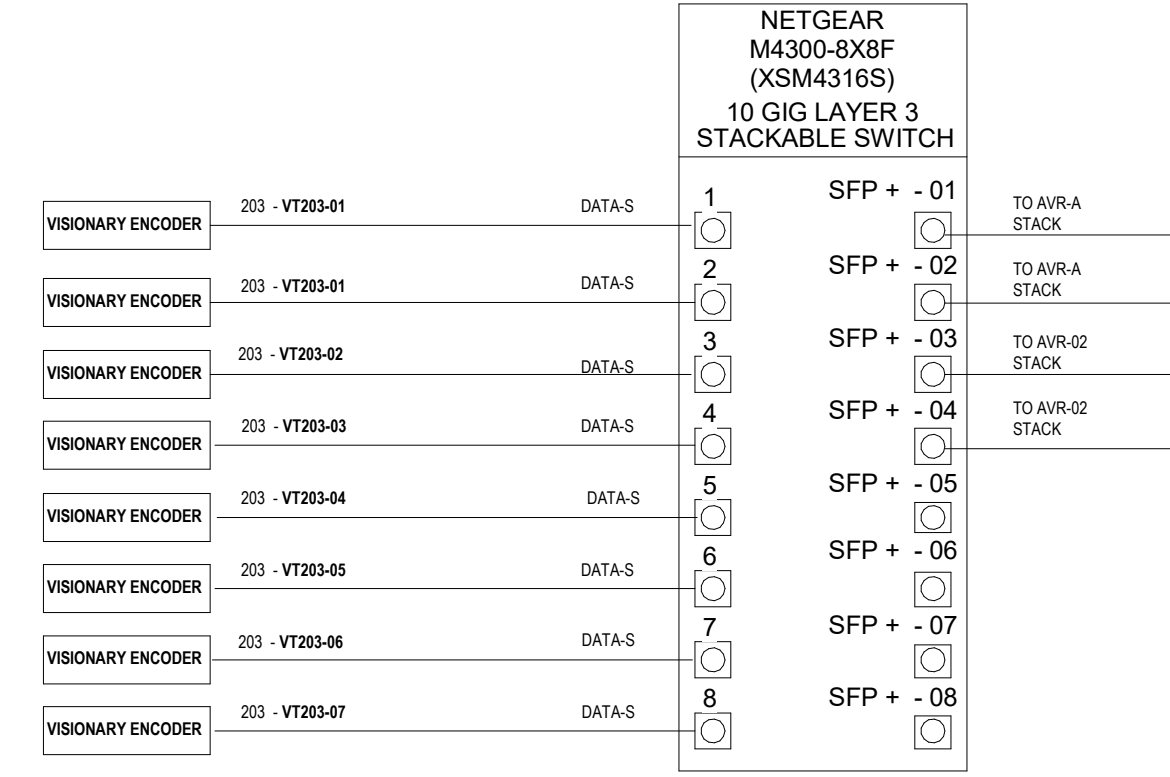
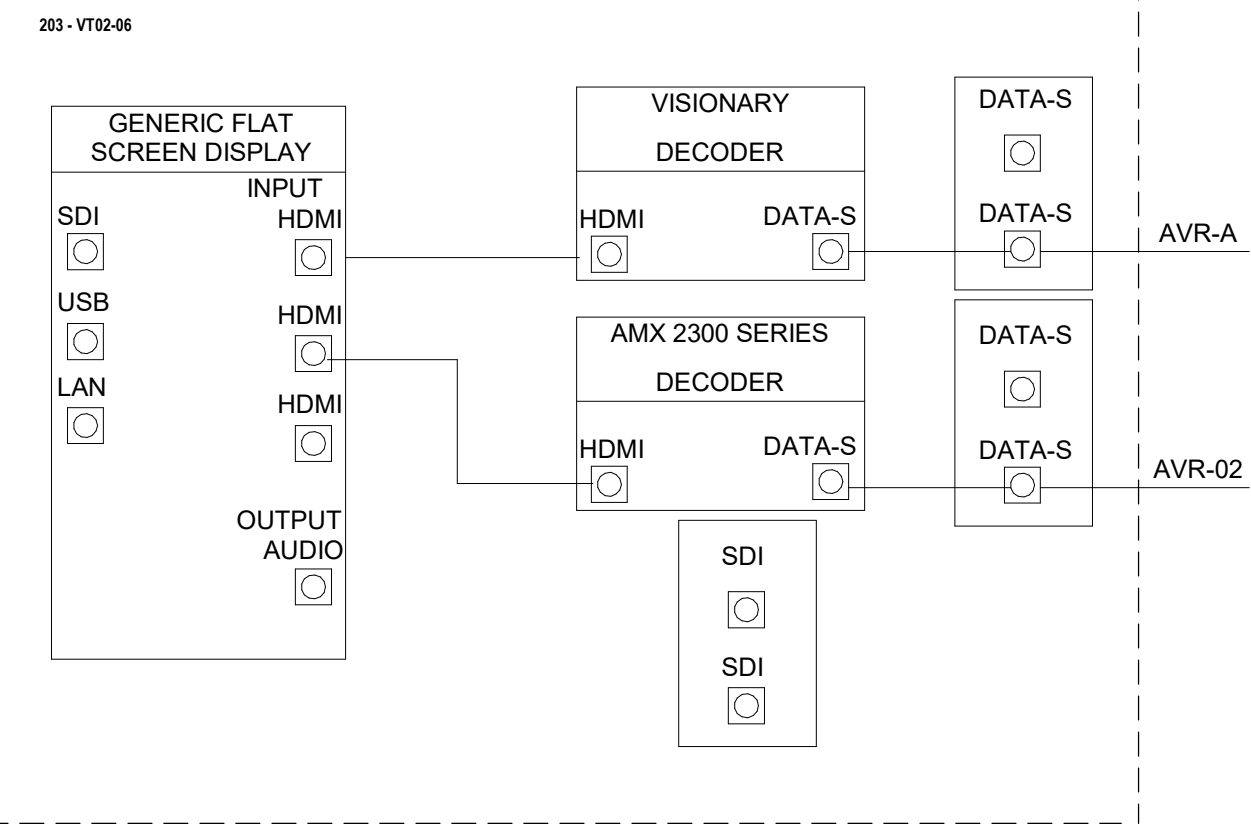
1 GENERAL VIDEO SIGNAL BLOCK TERMINAL
TA6.05i SCALE: 12" = 1'-0"



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NOTE: THIS SCHEDULE INCLUDES SOME BASE BUILDING DESIGN FOR SECOND LEVEL PICNIC DECK, PICNIC DECK CIRCULATION, CLUB INTERIORS, & CLUB LEVEL PICNIC DECK OPTION.
RF COAX CABLE LABELED AS SDI OR RG6 IS INFRASTRUCTURE ONLY AND SHALL BE LEFT EMPTY WITH A PULL STRING



2 203 VIDEO BLOCK FOR DECODER DISTRIBUTION
TA6.06i SCALE: 12" = 1'-0"

1 AVR02 VIDEO SIGNAL BLOCK TERMINAL
TA6.06j SCALE: 12" = 1'-0"

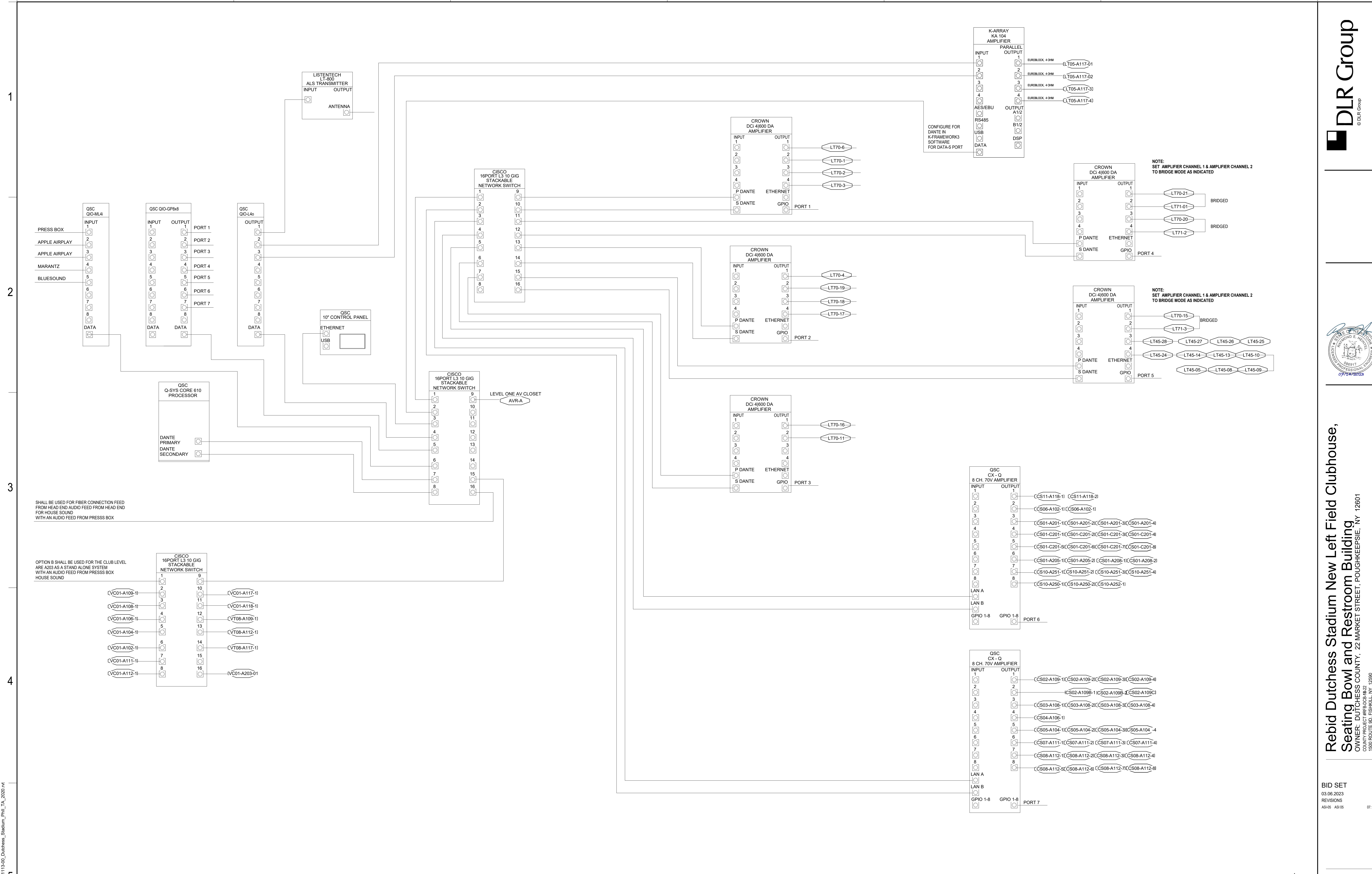


Rebid Dutchess Stadium New Left Field Clubhouse,
Seating Bowl and Restroom Building
OWNER: DUTCHESS COUNTY, 22 MARKET STREET, Poughkeepsie, NY 12601
1500 ROUTE 100, PISHKILL, NY 12590

BID SET
03.06.2023
REVISIONS
ASI-05 ASI-05 07.14.2023

57-21115-00
AVR-A, CLUB LEVEL VIDEO SIGNAL BLOCK TERMINALS
TA6.06ii

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7/14/2023 7:54:54 PM



SHALL BE USED FOR FIBER CONNECTION FEED FROM HEAD END AUDIO FEED FROM HEAD END FOR HOUSE SOUND WITH AN AUDIO FEED FROM PRESS BOX

OPTION B SHALL BE USED FOR THE CLUB LEVEL ARE A03 AS A STAND ALONE SYSTEM WITH AN AUDIO FEED FROM PRESS BOX HOUSE SOUND

1 AVR - A, AUDIO SIGNAL BLOCK DIAGRAM REVISED
 1746.07ii SCALE: 12" = 1'-0"



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CONDUITS AND WIRING DEVICE SCHEDULE - AREA A, PICNIC DECK																
AV WIRING DEVICE NUMBER	MOUNTING HEIGHT	BACK BOX DESCRIPTION	BACK BOX MOUNTING	ITEM DESCRIPTION	HOME RUN ROUTE	CONDUIT GROUPS					WIRING GROUPS					NOTE
						A	B	C	D	E	A	B	C	D	E	
D100. CIRCULATION DECK																
LS45-13	CEILING	1 GANG 3-1/2" DEEP	FLUSH MOUNT	INFRASTRUCTURE ONLY	AVR-A	-	-	1-1/4"	-	-	-	-	-	AWG 12-2	-	-
LS45-14	CEILING	1 GANG 3-1/2" DEEP	FLUSH MOUNT	INFRASTRUCTURE ONLY	AVR-A	-	-	1-1/4"	-	-	-	-	-	AWG 12-2	-	-
LS45-24	CEILING	1 GANG 3-1/2" DEEP	FLUSH MOUNT	INFRASTRUCTURE ONLY	AVR-A	-	-	1-1/4"	-	-	-	-	-	AWG 12-2	-	-
LS45-25	CEILING	1 GANG 3-1/2" DEEP	FLUSH MOUNT	INFRASTRUCTURE ONLY	AVR-A	-	-	1-1/4"	-	-	-	-	-	AWG 12-2	-	-
LS45-26	CEILING	1 GANG 3-1/2" DEEP	FLUSH MOUNT	INFRASTRUCTURE ONLY	AVR-A	-	-	1-1/4"	-	-	-	-	-	AWG 12-2	-	-
LS45-27	CEILING	1 GANG 3-1/2" DEEP	FLUSH MOUNT	INFRASTRUCTURE ONLY	AVR-A	-	-	1-1/4"	-	-	-	-	-	AWG 12-2	-	-
LS45-28	CEILING	1 GANG 3-1/2" DEEP	FLUSH MOUNT	INFRASTRUCTURE ONLY	AVR-A	-	-	1-1/4"	-	-	-	-	-	AWG 12-2	-	-
LT70-01	+14.2 AFF	2 GANG 3-1/2" DEEP	SURFACE MOUNT	FIELD LOUDSPEAKER	AVR-A	-	-	1-1/4"	-	-	-	-	-	AWG 12-2	-	-
LT70-02	+14.2 AFF	2 GANG 3-1/2" DEEP	SURFACE MOUNT	FIELD LOUDSPEAKER	AVR-A	-	-	1-1/4"	-	-	-	-	-	AWG 12-2	-	-
LT70-03	+14.2 AFF	2 GANG 3-1/2" DEEP	SURFACE MOUNT	FIELD LOUDSPEAKER	AVR-A	-	-	1-1/4"	-	-	-	-	-	AWG 12-2	-	-
LT70-04	+14' 2" AFF	2 GANG 3-1/2" DEEP	SURFACE MOUNT	FIELD LOUDSPEAKER	AVR-A	-	-	1-1/4"	-	-	-	-	-	AWG 12-2	-	-
LT70-06	+18' 2" AFF	2 GANG 3-1/2" DEEP	SURFACE MOUNT	FIELD LOUDSPEAKER	AVR-A	-	-	1-1/4"	-	-	-	-	-	AWG 12-2	-	-
LT70-18	+14.2 AFF	2 GANG 3-1/2" DEEP	SURFACE MOUNT	FIELD LOUDSPEAKER	AVR-A	-	-	1-1/4"	-	-	-	-	-	AWG 12-2	-	-
LT70-19	+14.2 AFF	2 GANG 3-1/2" DEEP	SURFACE MOUNT	FIELD LOUDSPEAKER	AVR-A	-	-	1-1/4"	-	-	-	-	-	AWG 12-2	-	-
D101. PICNIC DECK																
LT70-15	+14' 2" AFF	2 GANG 3-1/2" DEEP	SURFACE MOUNT	FIELD LOUDSPEAKER	AVR-A	-	-	1-1/4"	-	-	-	-	-	AWG 12-2	-	-
LT70-20	+14' 2" AFF	2 GANG 3-1/2" DEEP	SURFACE MOUNT	FIELD LOUDSPEAKER	AVR-A	-	-	1-1/4"	-	-	-	-	-	AWG 12-2	-	-
LT70-21	+14' 2" AFF	2 GANG 3-1/2" DEEP	SURFACE MOUNT	FIELD LOUDSPEAKER	AVR-A	-	-	1-1/4"	-	-	-	-	-	AWG 12-2	-	-
LT71-01	+ 11' AFF	2 GANG 3-1/2" DEEP	SURFACE MOUNT	FIELD LOUDSPEAKER	AVR-A	-	-	1-1/4"	-	-	-	-	-	AWG 12-2	-	-
LT71-02	+ 11 AFF	2 GANG 3-1/2" DEEP	SURFACE MOUNT	FIELD LOUDSPEAKER	AVR-A	-	-	1-1/4"	-	-	-	-	-	AWG 12-2	-	-
LT71-03	+ 11 AFF	2 GANG 3-1/2" DEEP	SURFACE MOUNT	FIELD LOUDSPEAKER	AVR-A	-	-	1-1/4"	-	-	-	-	-	AWG 12-2	-	-
D201. PICNIC DECK																
D201	FIXED STANCHION	1 GANG 3-1/2" DEEP	FLUSH MOUNT	VIDEO BACK BOX	AVR-A, ALT_AVR-A	-	-	-	1-1/4"	-	-	-	-	(2) RG 6	-	-
D201	FIXED STANCHION	1 GANG 3-1/2" DEEP	FLUSH MOUNT	VIDEO BACK BOX	AVR-A, ALT_AVR-A	-	-	-	1-1/4"	-	-	-	-	(2) RG 6	-	-
D201 - 2	FIXED STANCHION	1 GANG 3-1/2" DEEP	FLUSH MOUNT	IT DATA CONNECTION	AVR-A, ALT_AVR-A	-	-	-	1-1/4"	-	-	-	-	1) DATA-S, (1) DATA-S LOW SKEW/NO SKEW	-	-
D201 - 2	FIXED STANCHION	1 GANG 3-1/2" DEEP	FLUSH MOUNT	IT DATA CONNECTION	AVR-A, ALT_AVR-A	-	-	-	1-1/4"	-	-	-	-	1) DATA-S, (1) DATA-S LOW SKEW/NO SKEW	-	-
VT101	+5' 0" AFF	CHIEF - PAC527FWP6	FLUSH MOUNT	DISPLAY BACK BOX, IT DATA CONNECTION	AVR-A	-	-	-	(2) 1-1/4"	-	-	-	-	(1) DATA-S, RG-6	-	-
VT101	+5' 0" AFF	CHIEF - PAC527FWP6	FLUSH MOUNT	DISPLAY BACK BOX, IT DATA CONNECTION	AVR-A	-	-	-	(2) 1-1/4"	-	-	-	-	(1) DATA-S, RG-6	-	-
D202. CLUB DECK BUILDING OVERHANG																
LS45-05	CEILING	1 GANG 3-1/2" DEEP	FLUSH MOUNT	INFRASTRUCTURE ONLY	AVR-A	-	-	1-1/4"	-	-	-	-	-	AWG 12-2	-	-
LS45-08	CEILING	1 GANG 3-1/2" DEEP	FLUSH MOUNT	INFRASTRUCTURE ONLY	AVR-A	-	-	1-1/4"	-	-	-	-	-	AWG 12-2	-	-
LS45-10	CEILING	1 GANG 3-1/2" DEEP	FLUSH MOUNT	INFRASTRUCTURE ONLY	AVR-A	-	-	1-1/4"	-	-	-	-	-	AWG 12-2	-	-
LT45-09	CEILING	1 GANG 3-1/2" DEEP	FLUSH MOUNT	INFRASTRUCTURE ONLY	AVR-A	-	-	1-1/4"	-	-	-	-	-	AWG 12-2	-	-
LT70-11	+14.2 AFF	2 GANG 3-1/2" DEEP	SURFACE MOUNT	FIELD LOUDSPEAKER	AVR-A	-	-	1-1/4"	-	-	-	-	-	AWG 12-2	-	-
LT70-16	+14.2 AFF	2 GANG 3-1/2" DEEP	SURFACE MOUNT	FIELD LOUDSPEAKER	AVR-A	-	-	1-1/4"	-	-	-	-	-	AWG 12-2	-	-
LT70-17	+14.2 AFF	2 GANG 3-1/2" DEEP	SURFACE MOUNT	FIELD LOUDSPEAKER	AVR-A	-	-	1-1/4"	-	-	-	-	-	AWG 12-2	-	-

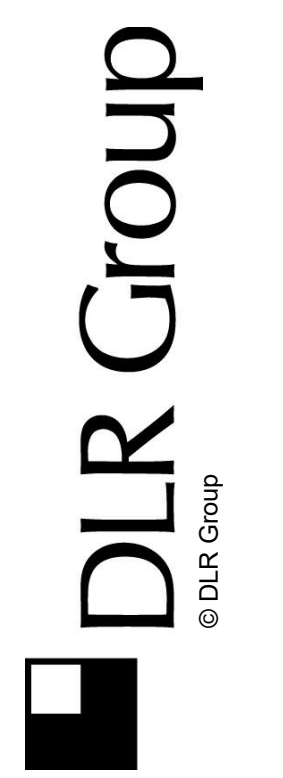
NOTE: THIS SCHEDULE INCLUDES SOME BASE BUILDING DESIGN FOR SECOND LEVEL PICNIC DECK, PICNIC DECK CIRCULATION, CLUB INTERIORS, & CLUB LEVEL PICNIC DECK OPTION.

SOME SPEAKER AND STANCHION LOCATIONS ARE IN THE BASE BUILDING FOR THE SECOND LEVEL, WITH THE SCHEDULED HOME RUN ROUTE SHOWN AS THE FOLLOWING:

- IF HOME RUN IS SHOWN AS AVR-A, THEN, THE DEVICE IS IN BASE BID ONLY

PER SPECIFICATION
 AREA A SECOND FLOOR CLUB LEVEL TO TIE INTO STADIUM SOUND SYSTEM VIA DANTE SOUND SYSTEM WITH 4K FLAT SCREEN DISPLAYS (FSD) ON THE SECOND FLOOR CLUB LEVEL. WIRELESS LAVALIERS AND HANDHELD MICROPHONES SHALL BE PROVIDED FOR THE CLUB (A203). STADIUM AUDIO FEEDS SHALL REQUIRE CONNECTIVITY IN AVR-A WITH CONDUIT HOME RUNS BACK TO EXISTING PRESS BOX.

- OPTION B FOR CLUB LEVEL INTERIORS SELECTED: CLUB A203 OPTION B SHALL BE A SELF-CONTAINED AUDIOVISUAL SYSTEM FOR MULTIPURPOSE USE INCLUDING PRESENTATIONS WITH THE ABILITY TO CONNECT TO THE STADIUM SOUND SYSTEM VIA A RACK (AVR-02) IN THE SECOND-FLOOR STORAGE CLOSET WITH A HOME RUN TO AVR-A RACK AVR-02 SHALL BE FOR OPTION B ONLY.



Rebid Dutchess Stadium New Left Field Clubhouse, Seating Bowl and Restroom Building
 OWNER: DUTCHESS COUNTY, 22 MARKET STREET, POUGHKEEPSIE, NY 12601
 1500 ROUTE 90, FISHKILL, NY 12530

BID SET
 03.06.2023
 REVISIONS
 ASI-05 ASI-05 07.14.2023

57-21113-00
 AUDIOVISUAL SCHEDULES - AREA A, PICNIC DECK - SECOND LEVEL
 TA7.04.ii