

July 9, 2019

Hanna ECHS New Gymnasium Facility – CSP 20-110

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ADDENDUM NO. 3

A. PURPOSE AND INTENT

This addendum is issued for the purpose of modifying the plans and specifications for the Hanna ECHS New Gymnasium Facility – CSP 20-110.

This addendum shall become part of the contract and all CONTRACTORS shall be bound by its content. All aspects of the specifications and drawings not covered herein shall remain the same.

The General Conditions and the Special Conditions of the specifications shall govern all parts of the work and apply in full force to this Addendum.

B. SCOPE

I. CLARIFICATIONS:

1. N/A

II. SPECIFICATIONS:

1. Section 08100 – Steel Doors and Frames

Part 2- Products, ADD Finish Hardware Requirements: *Refer to Section 08700 Builders Hardware for all required manufactures. All exit devices must be Von Duprin and doors must have a continuous hinge. No Exceptions. Listed acceptable manufactures must have TDI Product Evaluation door and frame testing reports that use the above listed products and that meet the project required wind pressures.*

2. Section 08410 – Aluminum Entrance and Storefronts

Part 2- Products, Hardware: ADD Refer to Section 08700 Builders Hardware for all required manufactures. All exit devices must be Von Duprin and doors must have a continuous hinge. No Exceptions. Listed acceptable manufactures must have TDI Product Evaluation door and frame testing reports that use the above listed products and that meet the project required wind pressures.

3. Section 08700 – Builders Hardware

REPLACE Section 08700-Builders Hardware previously issued with Section 08700 Builders Hardware included within this addendum.

III. PLANS:

1. Sheet A1.02 – Site plan

- a. Replace sheet A1.02 previously issued, with sheet A1.02 included in this addendum.

2. Sheet A1.03 – Site plan details

- a. Replace sheet A1.03 previously issued, with sheet A1.03 included in this addendum.

3. Sheet A2.02 – 2nd Level Floor plan

- a. Replace sheet A2.02 previously issued, with sheet A2.02 included in this addendum.

4. Sheet A2.03 – Fixture plan

- a. Replace sheet A2.03 previously issued, with sheet A2.03 included in this addendum.

5. Sheet A2.04 – Reflected ceiling plan

- a. Replace sheet A2.04 previously issued, with sheet A2.04 included in this addendum.

6. Sheet A2.05 – 2nd Roof plan

- a. Replace sheet A2.05 previously issued, with sheet A2.05 included in this addendum.

7. Sheet A4.01 – Building Section

- a. Replace sheet A4.01 previously issued, with sheet A4.01 included in this addendum.

MEP Addendum Items: See Attached Information (2 Pages)

End of Addendum 3

SECTION 08700 – BUILDERS HARDWARE

PART 1 - GENERAL

1.01 DESCRIPTION OF WORK

- A. Work under this section comprises of furnishing and installing hardware specified herein and noted on drawings for a complete and operational system, including any electrified hardware components, systems, controls and hardware for aluminum entrance doors. Any door shown on the drawing and not specifically referenced in the hardware sets shall be provided with identical hardware as specified on other similar openings and shall be included in the General Contractor's base bid. All fire rated door shall be provided with fire rated hardware as required by local code Authority as part of the General Contractor's base bid. The hardware supplier shall verify all cylinder types specified for locking devices supplied as part of the door system with the door manufacturer and/or door supplies.
- B. The General Contractor shall notify the Architect in writing of any discrepancies (five (5) days prior to bid date) that could and/or would result in hardware being supplied that is none functional, hardware specified and/or hardware that has not been specified that will result in any code violations and any door that is not covered in this specification. Failure of the General Contractor to address any such issue shall be considered acceptance of the hardware specified and all discrepancies shall be corrected at the General Contractor's expense and shall be considered a part of their base bid. Change orders shall not be issued if deemed by the Architect and/or Brownsville ISD to fall under and/or be covered as a part of the General Contractor base bid, due to failure to comply with these instructional notifications.
- C. Items include but are not limited to the following:
 - 1. Hinges - Pivots
 - 2. Flush Bolts
 - 3. Exit Devices
 - 4. Locksets and Cylinders
 - 5. Push Plates - Pulls
 - 6. Coordinators
 - 7. Closers
 - 8. Kick, Mop and Protection Plates
 - 9. Stops, Wall Bumpers, Overhead Controls
 - 10. Electrified Hold Open Devices
 - 11. Thresholds, Seals and Door Bottoms
 - 12. Silencers
 - 13. Miscellaneous Trim and Accessories

1.02 RELATED DOCUMENTS, drawings and general provisions of contract, including General and Supplementary Conditions, and Division 1 Specification sections, apply to this section.

1.03 RELATED WORK specified elsewhere that should be examined for its effect upon this section:

- A. Section 08110 – Steel Doors and Frames
- B. Section 08210 – Flush Wood Doors
- C. Section 08300 – Special Doors
- D. Section 08410 – Aluminum Entrances, Storefronts
- E. Section 08800 – Glass and Glazing

1.04 REFERENCES SPECIFIED in this section subject to compliance as directed:

- A. NFPA-80 - Standard for Fire Doors and Windows
- B. NFPA-101 - Life Safety Code
- C. ADA - The Americans with Disabilities Act - Title III - Public Accommodations
- D. ANSI-A 117.1 - American National Standards Institute - Accessible and Usable Buildings and Facilities
- E. ANSI-A 156.5 - American National Standards institute -Auxiliary Locks and Associated Products
- F. UFAS - Uniform Federal Accessibility Standards
- G. UL – Under-writer’s Laboratories
- H. WHI - Warnock Hersey International, Testing Services
- I. State and Local Codes including Authority Having Jurisdiction
- J. UL10C – Positive Pressure
- K. IBC-2012/2015 – International Building Code
- L. NFPA-70 – International Electrical Code

1.05 SUBMITTALS

- A. HARDWARE SCHEDULES submit copies of schedule in accordance with Division 1, General Requirements. Schedule to be in vertical format, listing each door opening, including: handing of opening, all hardware scheduled for opening or otherwise required to allow for proper function of door opening as intended, and finish of hardware. At doors with door closers or door controls include degree of door opening. Supply the schedules all Finish Hardware within two (2) weeks from date purchase order is received by the hardware supplier.
- B. Submit manufacturer’s cut/catalog sheets on all hardware items and any required special mounting instructions with the hardware schedule.
- C. Certification of Compliance:
 - 1. Submit any information necessary to indicate compliance to all of these specifications as required.
 - 2. Submit a statement from the manufacturer that electronic hardware and systems being supplied comply with the operational descriptions exactly as specified.
- D. Submit any samples necessary as required by the Architect.
- E. Templates for finish hardware items to be sent to related door and frame suppliers within three (3) working days of receipt of approved hardware schedule.
- F. Doors and Frames used in positive pressure opening assemblies shall meet UL10C in areas where this specification includes Seals for smoke door.

1.06 QUALITY ASSURANCE

- A. Hardware supplier to be a qualified, Factory Authorized, direct distributor of the products to be furnished. In addition, the supplier to have in their regular employment an AHC or AHC /CDC and/or a person of equivalent experience (minimum fifteen (15) years in the industry) who will be made available at reasonable times to consult with the Architect/Contractor and/or Brownsville ISD regarding any matters affecting the finish hardware on this project.

- B. All hardware used in labeled fire or smoke rated openings to be listed for those types of openings and bear the identifying label or mark indicating UL. (Underwriter's Laboratories) approved for fire. Exit devices in non-labeled openings to be listed for panic.

1.07 DELIVERY, HANDLING AND PACKAGING

- A. Furnish all hardware with each unit clearly marked and numbered in accordance with the hardware schedule. Include door and item number for each.
- B. Pack each item of hardware completes with all necessary parts and fasteners.
- C. Properly wrap and cushion each item to prevent scratches and dents during delivery and storage.

1.08 SEQUENCING AND SCHEDULING

Any part of the finish hardware required by the frame or door manufacturers or other suppliers that is needed in order to produce doors or frames is to be sent to those suppliers in a timely manner, so as not to interrupt job progress.

1.09 WARRANTY

All finish hardware shall be supplied with a Two- (2) year warranty against defects in materials and workmanship, commencing with substantial completion of the project except as follows:

1. All Closers are to have a thirty- (30) year written warranty.
2. All Exit Devices are to have a three- (3) year written warranty.
3. All Locksets are to have a ten- (10) year written warranty.
4. All Continuous Hinges are to have a ten- (10) year written warranty.

PART 2 – PRODUCTS

2.01 FASTENERS

- A. Furnish with finish hardware all necessary screws, bolts and other fasteners of suitable size and type to anchor the hardware in position for a long life under hard use.
- B. Furnish fastenings where necessary with expansion shields, toggle bolts and other anchors designated by the Architect according to the material to which the hardware is to be applied and the recommendations of the hardware manufacturer. All closers and exit devices on labeled wood doors shall be through-bolted if required by the door manufacturer. All thresholds shall be fastened with wood screws and plastic anchors. Where specified in the hardware sets, security type fasteners of the type called for are to be supplied.
- C. Design of all fastenings shall harmonize with the hardware as to material and finish.
- D. All hardware shall be installed with the Manufacturers standard screws as provided. The use of any other type of fasteners shall not be permitted. The general contractor shall provide wood blocking in all stud walls specified and/or scheduled to receive wall stops, No Exception.

2.02 ENVIRONMENTAL CONCERN FOR PACKAGING

Hardware shipped to the job site is to be packaged in biodegradable packs such as paper or cardboard boxes and wrapping.

2.03 HINGES

- A. All hinges to be of one manufacturer as hereafter listed for continuity and consideration of warranty. Provide one of the following manufacturers Ives, ABH or Stanley.
- B. Unless otherwise specified provide five-knuckle, heavy-duty, button tip, full mortise template type hinges with non-rising loose pins. Provide non-removable pins for out swinging doors at secured areas or as called for in this specification (Refer to 3.02 Hardware Sets).
- C. Exterior Five Knuckle Door Hinges shall be manufactured from solid stainless steel or bronze base metal and provide all out-swinging doors with non-removable pins or security studs as called for in 3.02 Hardware Sets.
- D. Interior Five Knuckle Door Hinges shall be manufactured from solid stainless steel or bronze base metal. Furnish three (3) hinges up to 90 inches high and one (1) additional hinge for every 30 inches or fraction thereof.
- E. Provide all exterior & interior hinges in a size 4½" x 4½" for all 1¾" thick doors up to and including 36 inches wide. Doors over 1¾" through 2¼" thick, use 5" x 5" hinges. Doors over 36 inches use 5" x 4½" unless otherwise noted in 3.02 Hardware Sets.
- F. Were exterior or interior door hinges are required to clear the trim and/or to permit the doors to swing 180 degrees furnish hinges of sufficient throw.
- G. Provide heavy weight hinges on all exterior or interior doors over 36 inches in width.
- H. At exterior or interior labeled door's ball-bearing steel or stainless steel type hinges shall be provided. For all doors equipped with closers provide ball-bearing-type hinges.
- I. Finishes at all Interior and Exterior door hinges shall be brushed stainless steel, unless otherwise specified in 3.02 Hardware Sets.
- J. Continuous hinges shall be Ives Geared or Pinned Hinges as specified or equal products manufactured by Select and/or ABH.
- K. Pivots shall not be used at any Brownsville ISD Facility.

2.04 LOCK AND LOCK TRIM

- A. All of the locksets, latch sets, and trim to be of one manufacturer as hereafter listed for continuity of design and consideration of warranty. Locksets specified are Schlage "ND" series with the Rhodes lever as specified (No Substitution).
- B. Provide metal wrought box strike boxes and curved lip strikes with proper lip length to protect trim of the frame, but not to project more than 1/8 inch beyond frame trim or the inactive leaf of a pair of doors.
- C. Mechanical Locks shall meet ANSI Operational Grade 1, Series 4000 as specified.
 - 1. Hand of lock is to be field reversible or non-handed.
 - 2. All lever trim is to be through-bolted through the door.

3. Provide a ¾" latch throw (part #14-042) at all pairs of doors.
4. Provide a 3-3/4" back set (part #14-028) at all doors specified with sound seal.

2.05 CYLINDERS AND KEYING

- A. Provide all Interior locks and Exit devices requiring cylinders with Schlage Classic Keyway Large Format Interchangeable Core Cylinder keyed to the Existing System and comply with performance requirements of ANSI A156.5 at all New Facilities, Major Facility Renovations and/or Major Facility Additions. Minor Facility Renovations and/or Additions shall be Schlage standard cylinders. All cylinders shall be keyed to the existing Facility Master Key as directed by Brownsville ISD.
Provide all Exterior locks and Exit devices at all Brownsville ISD Facilities requiring cylinders with Primus Large Format Interchangeable Core Cylinders keyed to the Existing Primus key system. All keys shall be of nickel silver material only. All locks are to be factory keyed to the existing master key system (which is factory maintained) as directed by Brownsville ISD and the Architect. The hardware supplier shall meet with the General Contractor, the Architect and Brownsville ISD at the project site to determine all permanent keying requirements. The hardware supplier shall provide One (1) Knox Box if required by the local Fire Marshall. The contractor shall, as required by the local Fire Marshall and Brownsville ISD mount the Knox Box.
- B. Furnish all exterior and interior locks, cylinders and Exit devices with temporary keyed construction cores for the duration of construction. Provide ten (10) construction keys and two (2) construction control keys total. The general contractor shall within thirty (30) days of the installation of permanent cores return all construction cores to the hardware supplier for full credit.
- C. Cylinders shall be factory keyed and factory maintained as directed by Brownsville ISD and the Architect. Provide four- (4) keys per cylinder and ten- (10) master keys per master used. Provide One Hundred (100) Primus key blanks for Brownsville ISD use as required. All Primus permanent cores, keys and key blanks are to be delivered to Brownsville ISD directly from the manufacturer. Provide a Factory Generated bitting list for changes used and include additional bittings for future expansion as instructed by Brownsville ISD during the project keying meeting. Signature for all deliveries to Brownsville ISD shall be required.
- D. Factory stamp all keys "Do not duplicate" and with key symbol as directed by Brownsville ISD. Visual key control shall be provided on all Primus permanent cores.

2.06 EXIT DEVICES

- A. All exit devices and trim, including electrified items, to be of one manufacturer as hereafter listed and in the hardware sets for continuity of design and consideration of warranty; electrified devices and trim to be the same series and design as mechanical devices and trim.
- B. Exit Devices to be "UL" listed for life safety. All exit devices for labeled doors shall have "UL" label for "Fire Exit Hardware". All devices mounted on labeled wood doors are to be through-bolted or per the manufacturer's listing requirements. All devices shall conform to NFPA 80 and NFPA 101 requirements.
- C. All exit devices to be of a heavy duty, chassis mounted design, with one-piece removable covers, eliminating necessity of removing the device from the door for standard maintenance and keying requirements.

- D. All trims to be through-bolted to the lock stile case. Lever design to be the same as specified with the lock sets ("Rhode" #06 lever design).
- E. Exit Devices shall be the modern push rail design. All exit devices shall be mounted with sex bolts.
- F. All devices shall carry a three- (3) year warranty against manufacturing defects and workmanship. Exit devices shall be certified by an independent testing lab for a minimum of 1,000,000 cycles.
- G. Furnish roller strikes for all rim and surface vertical rod exit devices. Internal springs shall be coil compression type. Furnish security dead latching for all active latch bolts.
- H. Exit Devices shall be Von Duprin HH-99 or HH-9947 (Exterior) and 99 (Interior) series (No Substitutions).

2.07 SURFACE MOUNTED DOOR CLOSERS

- A. All closers for this project shall be the products of a single manufacturer for continuity of design and consideration of warranty. All door closers shall be mounted as to achieve the maximum degree of opening (trim permitting).
- B. All closers to be heavy duty, surface-mounted, fully hydraulic, rack and pinion action with high strength cast iron or aluminum cylinder to provide control throughout the entire door opening cycle.
- C. Size all closers in accordance with the manufacturer's recommendations at the factory.
- D. All closers to have adjustable spring power sizes 1 or 2 through 4 or 6 and separate tamper resistant, brass, non-critical regulating screw valves for closing speed, latching speed and back-check control as a standard feature unless specified otherwise.
- E. All closer covers to be rectangular, full cover type of non-ferrous, non-corrosive material painted to match closer. Provide closer covers only if provided as a standard part of the door closer package.
- F. Closers shall have heavy-duty arms. All closer arms shall be of sufficient length to accommodate the reveal depth and to insure proper installation. The hardware supplier shall provide any and all required brackets, spacers or filler plates as required by the manufacture for a proper and functional installation as part of their base bid.
- G. Supply appropriate arm assembly for each closer so that closer body and arm are mounted on non-public side of door opening and on the interior side of exterior openings, except where required otherwise in the hardware sets.
 - 1. All parallel arm mounted closers to be factory indexed to insure proper installation.
 - 2. Furnish heavy-duty cold forged parallel arms for all parallel arm mounted closers.
- H. Provide closers with special application and heavy-duty arms as specified in the hardware sets or as otherwise called for to insure a proper operating, long lasting opening. Drop plates and any additional brackets required for the proper installation of the door closer shall be included in the hardware supplier's base bid.
- I. Finish: Baked on Powder Coated finish shall match other hardware.

- J. Provide and mount all door closers with sex bolts as provided by the manufacturer.
- K. Closers shall be LCN 4040XP series at all exterior doors & 1460 series at all Interior doors. Norton closers 7501BF series with heavy duty arms at exterior & 8301BF series at interior doors with heavy duty arms shall be considered acceptable (No substitutions allowed, Refer to Hardware Sets 3.02).

2.08 DOOR STOPS AND HOLDERS

- A. Door stops are to be furnished for every door leaf. Every door is to have a floor, wall, or an overhead stop.
- B. Place doorstops in such a position that they permit maximum door swing, but do not present a hazard of obstruction. Furnish floor strikes for floor holders of proper height to engage holders of doors.
- C. Where overhead stops and holders are specified, or otherwise required for proper door operation, they are to be heavy duty and of extruded brass, bronze or stainless steel with no plastic parts as specified. The General Contractor shall provide wood blocking in all stud walls specified and scheduled to receive wall stops.
- D. Finish: Same as other hardware where available.
- E. Acceptable Products
 - 1. Floor and wall stops as listed in hardware sets. Equivalent products as manufactured by Hager, Ives, ABH, Glynn Johnson and Trimco are acceptable.

2.09 PUSH PLATES, DOOR PULLS, AND KICKPLATES

- A. All push plates, door pull, kick plates and other miscellaneous hardware as listed in hardware sets. Equivalent products as manufactured by Hager, Ives, ABH, Glynn Johnson and Trimco are acceptable.
- B. Kick plates to be 10 inches high and Mop plates to be 6 inches high, both by 2 inches or 1 inch less than door width (LDW) as specified. They are to be of 16 gauge thick stainless steel. For door with louvers or narrow bottom rails, kick plate height to be 1 inch less dimension shown from the bottom of the door to the bottom of the louver or glass.
- C. Where required armor plates, edge guards and other protective hardware shall be supplied in sizes as scheduled in the hardware sets.
- D. Finish: Same as other hardware where available.

2.10 FLUSH BOLTS AND COORDINATORS

- A. Provide Flush bolts with Dust Proof Strikes as indicated in the individual hardware sets by Ives, ABH, Glynn Johnson and Trimco are acceptable. Finish shall match the adjacent hardware.

2.11 THRESHOLDS AND SEALS

- A. Provide materials and finishes as listed in hardware sets and manufactured by Zero. Equivalent product by National Guard Products and Pemko are acceptable. All thresholds must be in accordance with the requirements of the ADA and ANSI A117.1.

- B. Provide thresholds with machine screws and lead anchors. Supply all necessary anchoring devices for weather strip and sound seal.
- C. Seals shall comply with requirements of UL10C. All thresholds, door bottoms and weather strip inserts shall be a silicone based product as specified in 3.02 Hardware Sets. Other materials used shall be rejected, unless originally specified.
- D. Seals shall comply with the requirements of the Wood Door Manufacturer's certification requirements.

2.12 FINISHES

- A. Finishes for all hardware are as required in this specification and the hardware sets.
- B. Special care is to be taken to make uniform the finish of all various manufactured items.

2.13 DOOR SILENCERS

- A. Provide door silencers at all openings without gasket. Provide two- (2) each a each pair of doors and three- (3) or four- (4) each for each single door (coordinate with the frame manufacturer).

2.14 KEY CABINET

- A. Provide a key cabinet Lund 1200 series for installation by the contractor as instructed by the Architect and Brownsville ISD. Key Cabinet shall be of such size as to hold 150% of the total number of keys supplied for this project.
- B. The hardware supplier shall assist Brownsville ISD in the tagging of all keys and instruct the Brownsville ISD staff as to the proper use of the key cabinet system at the project site. Training shall include industry standard procedures for maintaining a key system. The hardware supplier shall provide Brownsville ISD two- (2) complete full size copies of the floor plans complete with the door number and key symbol shown at each door opening. One- (1) copy shall be placed in the key cabinet and one- (1) copy shall be turned over to the Brownsville ISD Representative. Training shall be based on eight- (8) hours maximum. The hardware supplier shall send a list of all staff members trained in the proper use of the key cabinet to the Brownsville ISD Representative and the Architect.

2.15 PROPRIETARY PRODUCTS

- A. References to specific products are used to establish quality standards of utility and performance. Unless otherwise approved provide only the specified product.
- B. All other materials, not specifically described, but required for a complete and proper finish hardware installation, are to be selected by the Contractor, subject to the approval of the Architect and Brownsville ISD.
- C. Architect and Brownsville ISD reserve the right to approve all the substitutions proposed for this specification. All requests for substitution to be made prior to bid in accordance with Division 1, General Requirements, and are to be in writing, hand delivered to the Architect. Two (2) copies of the manufacturer's brochures and a physical sample of each item in the appropriate design and finish shall accompany requests for substitution.

PART 3 - EXECUTION

3.01 INSTALLATION AND SERVICE ITEMS OF FINISH HARDWARE

- A. All finish hardware shall be installed by an experienced finish hardware installer with at least ten (10) years of experience after a pre-installation meeting between the contractor, hardware Manufacturers representative, the hardware supplier, hollow metal supplier and wood door supplier. The finish hardware installer shall be responsible for the proper installation and function of all doors and hardware.
- B. The hardware supplier's office and/or warehouse shall be located within a one hundred fifty (150) mile radius of the project site as to better service the general contractor and Brownsville ISD during the course of this project.
- C. Check hardware against the reviewed hardware schedule upon delivery. Store the hardware in a dry and secure location to protect against loss and damage.
- D. Install finish hardware in accordance with approved hardware schedule and manufacturers' printed instructions. Pre-fit hardware before finish is applied to door; remove and reinstall after finish is complete and dry. Install and adjust hardware so that parts operate smoothly, close tightly, and do not rattle.
- E. Mortise and cutting to be done neatly, and evidence of cutting to be concealed in the finished work. Protect all Finish hardware from scratching or other damage.
- F. The hardware supplier, general contractor, hardware installer, representatives of the lock, exit device and closer manufacturers shall after three (3) months of Brownsville ISD acceptance of the facility, perform an onsite survey of the finish hardware installation. Any item of finish hardware found to be defective or out of adjustment shall be replaced or adjusted for the proper function and operation of the door assembly at the contractor's, supplier's and/or installer's expense. The hardware supplier shall provide a written report of any and all affected items to the Architect and Brownsville ISD (No Exceptions). The scheduled inspection date for the onsite inspection and adjustment of finish hardware shall be provided to the Architect as a part of the general contractor and hardware supplies close-out documentation for this project.

MANUFACTURERS

Butts	Hager	Hagr
Continuous Hinge	Ives	Ives
Locksets	Schlage Lock Co.	Schl
Exit Device	Von Duprin	Von
Closers	LCN	LCN
Mullions	Von Duprin	Von
Stops	Hager	Hagr
Silencers	Hager	Hagr
Thresholds	Hager	Hagr
Weatherstripping	Hager	Hagr

Keys & Keying;

All locks, cylinders and deadbolts shall be Master Keyed as required by the Owner to the Existing Grand Master Key System. Provide cylinders to all locksets, exit devices, etc. whether noted or not. Furnish two (4) keys per locking device.

Provide Hold Open feature at closures.

Provide Cylinder Dogging at all panic hardware, in lieu of hex key.

Special Instructions:

1. *Hardware for Doors #1, #2, #3, #5, #14, #17 and #19 shall comply with Structural Sheet S1.1 and specifications for design wind loading information and TDI Certification.*
2. *Provide all hardware identified in the TDI Product Evaluation door and frame testing report, in lieu of shown. Schedules for Exterior Doors listed above are for component identification only. Exterior Doors shall have removable cores or permanent cores from Primus.*

Schedule A at doors 1,2 – each door leaf

cylinder locks	20-757-626	Primus-Schl
continuous hinge	(2) 112XY – Door Height 628	Ives
panic hardware	Kawneer HH-9947-DT-990 628	Von
panic hardware	Kawneer HH-9947-NL-990 628	Von
Surface Closer	4040XP EDA SRI 689	LCN
floor stop	243F x 626	Hagr
door bottom	(2)-770 SV x 34" x SMS	Hagr
door drip	810S x 76" x SMS	Hagr

Schedule C at doors no. 3

Continuous hinge	(2) 112XY-Door Height 628	Ives
exit device	99EO x 626 x 30"	Von
exit device	99EO x 626 x 30"	Von
removable mullion	9954-KR	Von
floor stop	(2) 243F x 626	Hagr
door closer	(2) 4040XP Scush SRI TBSRT 689	LCN
threshold	520 x SV x 72" x SMS	Hagr
weatherstripping	891 SV x 72" x 2@ 84" x SMS	Hagr
door bottom	(2)-770 SV x 34" x SMS	Hagr
door drip	810S x 76" x SMS	Hagr
astragal	872S x 84" x SMS	Hagr
kick plates	(2)190S x 12" x 34" x 626	Nort

Schedule N at doors no. 4

1.5 pair butts	BB1191 x 4.5 x 4.5 x 630 x NRP	Hagr
exit device	99L x F x 626 x 30"	Von
Wall Stop	236W x 630	Hagr
Door Closer	P1601 BF x 689 x SNB	Nort
kick plates	190S x 12" x 34" x 626	Nort
threshold	520 x SV x 72" x SMS	Hagr
weatherstripping	891 SV x 72" x 2@ 84" x SMS	Hagr

Schedule Y at doors no. 5, 19

Continuous hinge	(2) 112XY-Door Height 628	Ives
exit device	99L x 626 x 30"	Von
exit device	99EO x 626 x 30"	Von
removable mullion	9954-KR	Von
floor stop	(2) 243F x 626	Hagr
door closer	(2) 4040XP Scush SRI TBSRT 689	LCN
threshold	520 x SV x 72" x SMS	Hagr
weatherstripping	891 SV x 72" x 2@ 84" x SMS	Hagr
door bottom	(2)-770 SV x 34" x SMS	Hagr
door drip	810S x 76" x SMS	Hagr
astragal	872S x 84" x SMS	Hagr
kick plates	(2)190S x 12" x 34" x 626	Nort

Schedule P at doors no. 6, 7

3.0 pair butts	BB1191 x 4.5 x 4.5 x 630 x NRP	Hagr
exit device	99L x 626 x 30"	Von
exit device	99L x 626 x 30"	Von
removable mullion	9954-KR	Von
floor stop/holder	(2) 327F x 626	Hagr
door closer	(2) P1601 BF x 689 x SNB	Nort
astragal	872S x 84" x SMS	Hagr
threshold	520 x SV x 72" x SMS	Hagr
weatherstripping	891 SV x 72" x 2@ 84" x SMS	Hagr
kick plates	(2)190S x 12" x 34" x 626	Nort

Schedule S at doors 8

3.0 pair butts	BB1191 x 4.5 x 4.5 x 630 x NRP	Hagr
dead bolt	B663P x 626 x 12	Schl
floor stop	243F x 626	Hagr
door closer	P1601 BF x 689 x SNB	Nort
threshold	520 x SV x 96" x SMS	Hagr
flush bolts	(2) 282Dx 626	Hagr
astragal	872S x 84" x SMS	Hagr
passage set	ND80S x SPA x 626	Schl
kick plates	(2)190S x 12" x 34" x 626	Nort

Schedule L at doors no. 9

1.5 pair Butts	BB1191 x 4.5 x 4.5 x 652 x 2"ws	Hagr
Lockset	ND53PD x SPA x 626	Schl
Wall Stop	236w x 626	Hagr
Door Closer	P1601 BF x 689 x SNB	Nort
Silencers	307D	Hagr

Schedule I at doors no. 10, 15, 18

1.5 pair Butts	BB1191 x 4.5 x 4.5 x 652 x 2"ws	Hagr
Lockset	ND80PD x SPA x 626	Schl
Wall Stop	236w x 626	Hagr
Door Closer	P1601 BF x 689 x SNB	Nort
Silencers	307D	Hagr

Schedule M at doors no. 11

1.5 pair Butts	BB1191 x 4.5 x 4.5 x 652 x 2"ws	Hagr
Lockset	ND53PD x SPA x 626	Schl
Wall Stop	236w x 626	Hagr
Silencers	307D	Hagr

Schedule G at doors no. 12

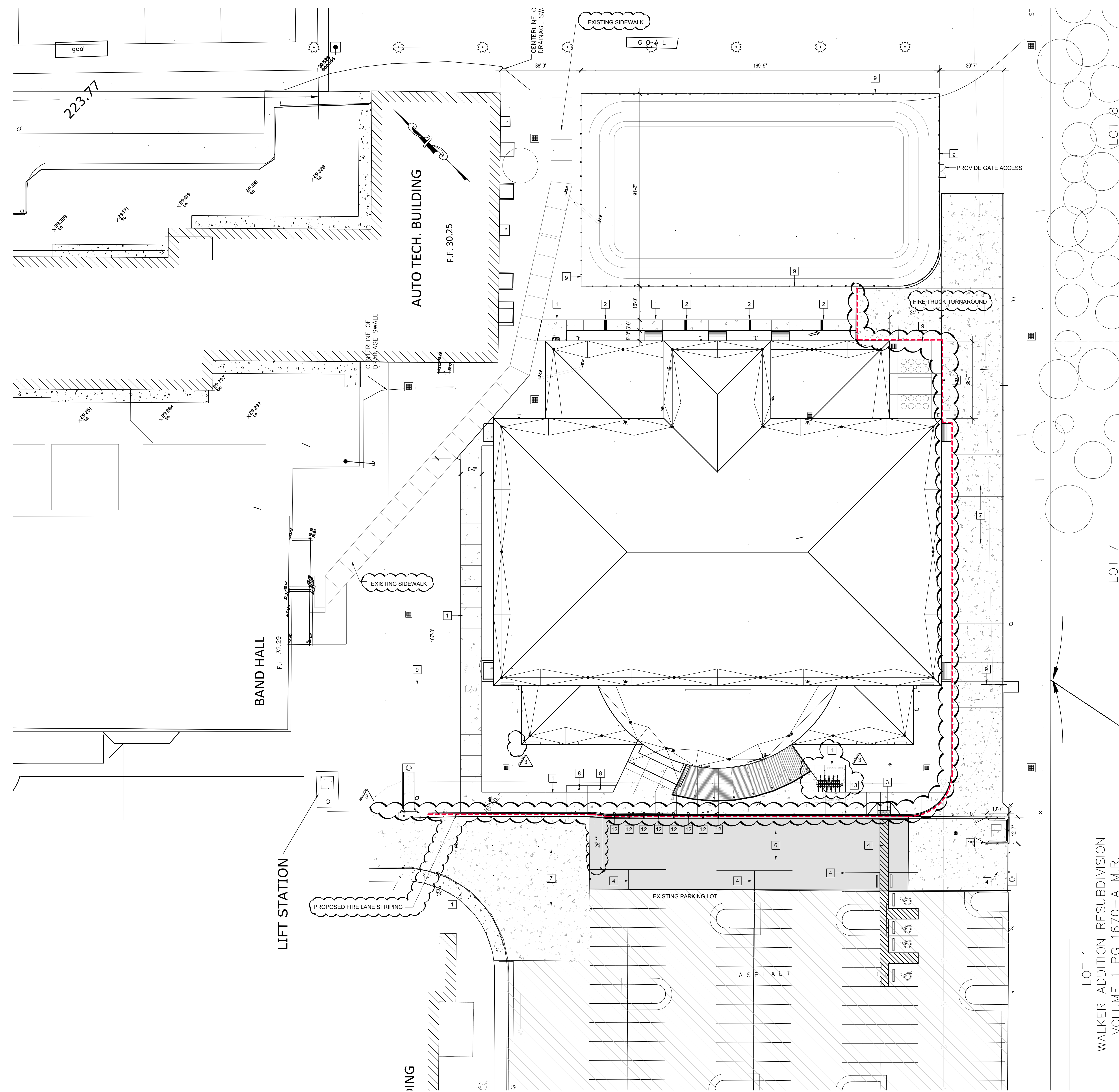
1.5 pair Butts	BB1191 x 4.5 x 4.5 x 652 x 2"ws	Hagr
Indicator	B571 x 626	Schl
Lockset	ND53PD x SPA x 626	Schl
Wall Stop	236w x 626	Hagr
Silencers	307D	Hagr

Schedule F at doors no. 13

1.5 pair Butts	BB1191 x 4.5 x 4.5 x 652 x 2"ws	Hagr
push/pull plate	(2)HL x 6 x US x 26D	G/J
dead bolt	B663P x 626 x 12	Schl
Wall Stop	236W x 630	Hagr
Door Closer	P1601 BF x 689 x SNB	Nort
Silencers	307 D	Hagr
kick plates	190S x 12" x 34" x 626	Nort

Schedule B at doors no. 14, 17

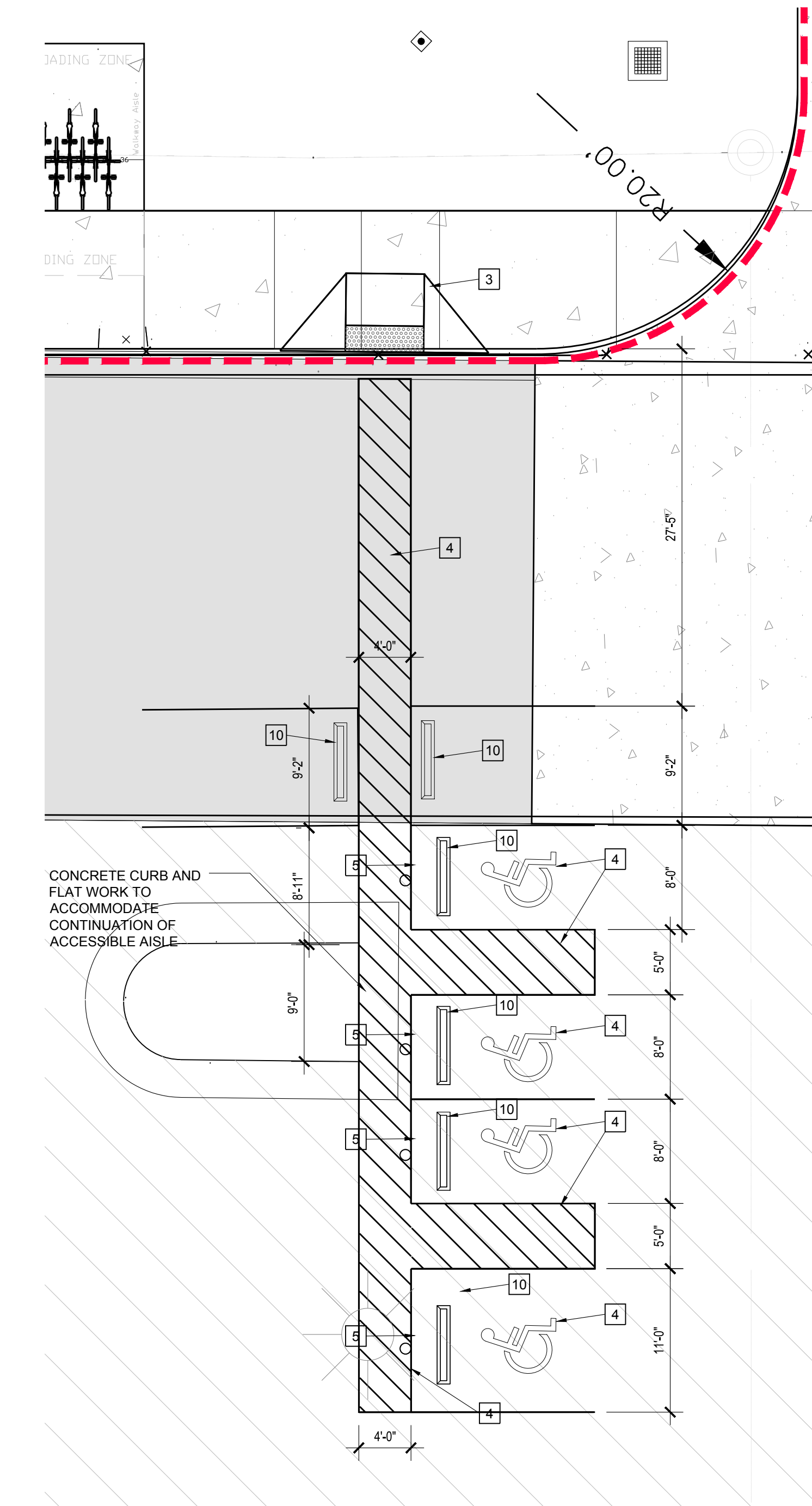
Continuous hinge	(2) 112XY-Door Height 628	Ives
exit device	99L x F x 626 x 30"	Von
door closer	(2) 4040XP Scush SRI TBSRT 689	LCN
weatherstripping	891 x SV x 36" x 2 @ 84" x SMS	Hagr
threshold	520 x SV x 36" x SMS	Hagr
door bottom	770 x SV x 36" x SMS	Hagr
door drip	810S x 40" x SMS	Hagr
floor stop	243F x 626	Hagr
kick plates	190S x 12" x 34" x 626	Nort



01 SITE PLAN w/ IMPROVEMENTS
SCALE : 1/8"=1'-0"

- SITE NOTES:**
1. FINISH GRADE TO BE 6" BELOW FINISH FLOOR ELEVATION SLOPE AWAY FROM ALL IMPROVEMENTS AT A RATE OF 1/4" PER FOOT FOR THE FIRST 10'-0", THEN AT A RATE OF 1/8" PER FOOT FOR THE NEXT 20'-0".
 2. SIDE WALK SLOPE IS NOT TO EXCEED 1:20 WITH A CROSS SLOPE OF 1:50 AT ANY INSTANCE.
 3. REFER TO CIVIL, LANDSCAPE AND MECHANICAL DRAWINGS FOR ADDITIONAL WORK TO BE PERFORMED UNDER THIS CONTRACT.
 4. AT ALL ENTRIES OF NEW BUILDINGS WARP CONCRETE SIDEWALKS SO AS TO PROVIDE A FLAT SURFACE WITH FINISHED FLOOR.
 5. PROVIDE EXPANSION JNT MATERIAL AT ALL SIDEWALK AND FOUNDATION TRANSITIONS

KEYED NOTES	
01/02/03	1 CONCRETE WALK REFER TO DTL'S
04/05/03	2 METAL TRENCH COVERS. REFER TO DTL. (1'-0" WIDE)
08/01/03	3 ACCESSIBLE CURB RAMP AT 1:12
	4 PAINT STRIPING TRAFFIC FOR PEDESTRIAN CROSSWALKS, LOADING ZONE AND TRAFFIC CONTROL. PROVIDE FIRE LANE STRIPPINGS TO BE LOCATED BY FIRE MARSHALL.
07/01/04	5 ACCESSIBLE PARKING SPACE WITH POLE MOUNTED SIGN SHOWING INTERNATIONAL SYMBOL OF ACCESSIBILITY. REFER TO 10/A1.03.
REF CIVIL	6 ASPHALT PAVING WITH CONCRETE CURB AND GUTTER. REFER TO CIVIL FOR ADDITIONAL INFORMATION.
REF CIVIL	7 CONCRETE PAVING WITH CONCRETE CURB AND GUTTER. REFER TO CIVIL FOR ADDITIONAL INFORMATION.
07/01/03	8 30'-0" FLAGPOLE AS SPECIFIED.
12/13/03	9 6'-0" HD GALV. CHAIN LINK FENCE WITH: <ul style="list-style-type: none">(1) - 3' WIDE PEDESTRIAN GATES AND LOCKING MECHANISM(3) - DOUBLE 4'-0" WIDE GATE (8' OPEN) WITH LOCKING MECHANISM AND FOOT BOLTS AS SHOWN(1) - 15' WIDE SLIDING GATE WITH HEAVY DUTY WHEELS.
06/01/03	10 CONCRETE TIRE STOP
08/01/03	11 6'-0" TALL CEDAR FENCING WITH DOUBLE SWINGING GATE.
06/01/03	12 3'-0" TALL PIPE BOLLARD
14/01/03	13 11 STALL BIKE RACK 36" HIGH



02 SITE ENLARGEMENT
SCALE : 1/8"=1'-0"

No.	REVISIONS	BY
1	ADDENDUM 3	
2	7-8-2019	

GMS ARCHITECTS

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BISD Hanna ECHS
Gymnasium Facility

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Architects-Planners
Interior Designers

Date: JUNE, 2019
Scale: As Noted
Project Architect: David Monreal, AIA
Drawn By: RB
Job No: BISD Hanna Gymnasium
Sheet:

A1.02

BROWNSVILLE - GMS LTD
WASTE DISPOSAL
P.O. BOX 8518 • 2965 E. 13 ST. • BROWNSVILLE, TX 77826-8518 • (956) 544-2100 • Fax (956) 544-4327

GMS WASTE DISPOSAL DUMPSTER ENCLOSURE SPECIFICATIONS

ENCLOSURE DIMENSIONS
10' INTERIOR SIDE HALL TO INTERIOR SIDE HALL
10' INTERIOR OF GATE TO INTERIOR OF REAR WALL

GATES
MUST BE OPEN FULLY 180 DEGREES, SLIDING BARREL BOLTS MUST BE INSTALLED ON INSIDE WALL OF EACH GATE AT BOTTOM CORNERS. HOLES LARGE ENOUGH TO RECEIVE BARREL BOLTS MUST BE DRILLED IN PARKING LOT SURFACE AT FULLY CLOSED LOCATION AND THE FULLY OPEN (180 DEGREES) LOCATION

OPENING AND CLOSING OF GATES
IT SHALL BE THE RESPONSIBILITY OF THE CUSTOMER TO OPEN AND CLOSE THE GATES ON SERVICE DATES. IT IS RECOMMENDED THAT THE GATES BE OPENED AT THE START OF THE BUSINESS ON SERVICE DATES

SPACE REQUIREMENTS FOR AREA TO BE UTILIZED BY TRUCK
A) SIDE LOAD TRUCK: SINCE SIDE LOAD DUMPSTERS ARE SERVICED WITH THE TRUCK PARKED PARALLEL TO THE ENCLOSURE AND THE LIFTING MECHANISM IS LOCATED DIRECTLY BEHIND THE DRIVER'S FRONT DOOR, SIGNIFICANT PORTIONS OF THE TRUCK EXTEND BEYOND THE DUMPSTER IN BOTH DIRECTIONS. IT IS REQUIRED THEREFORE THAT THE AREAS DESCRIBED BELOW BE CLEAR AND UNIMPEDED FOR A TRUCK SERVICING SAID DUMPSTER ENCLOSURE

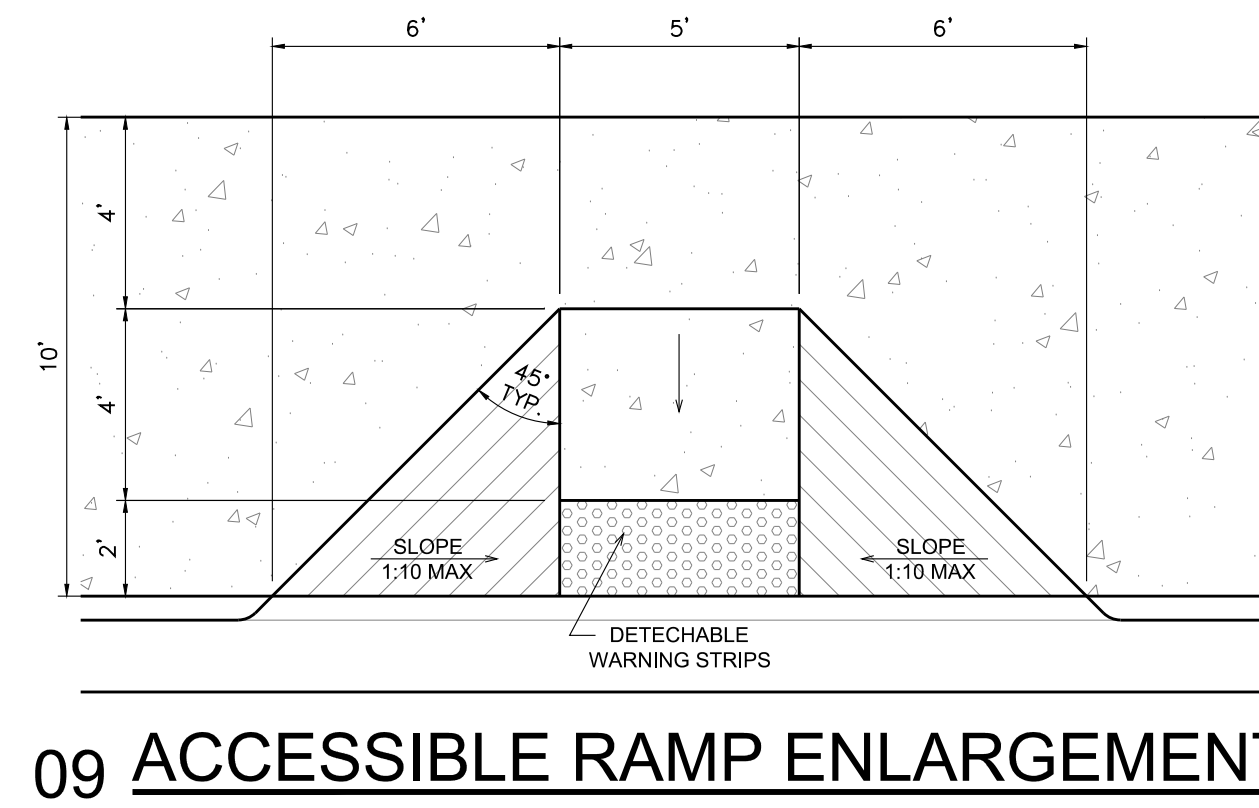
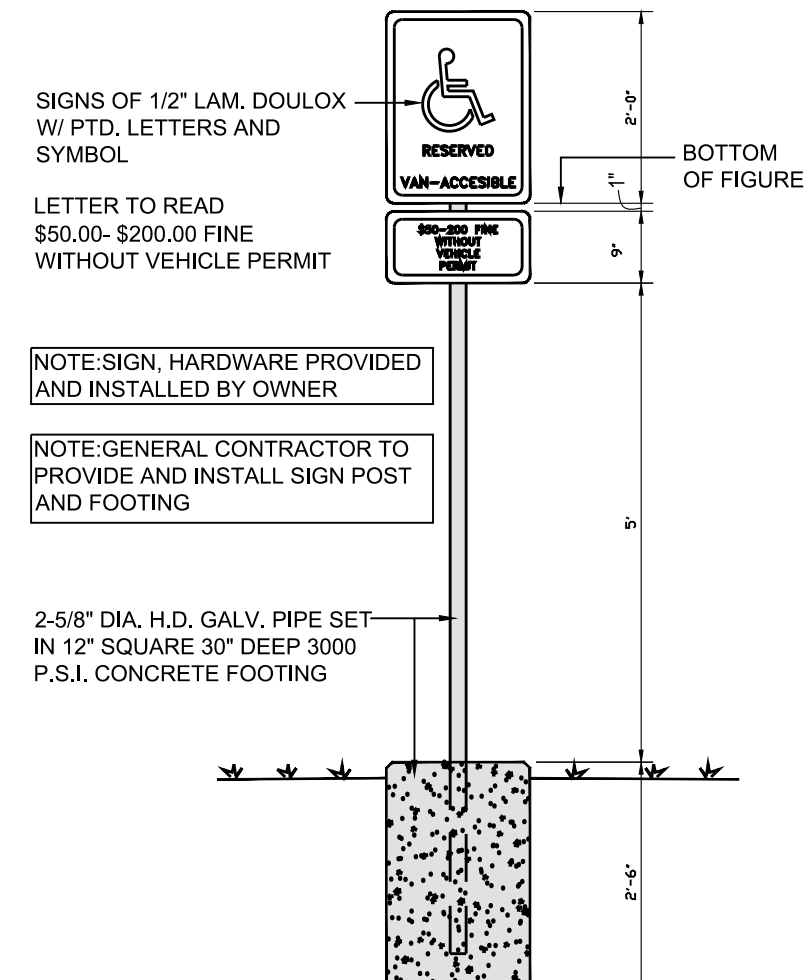
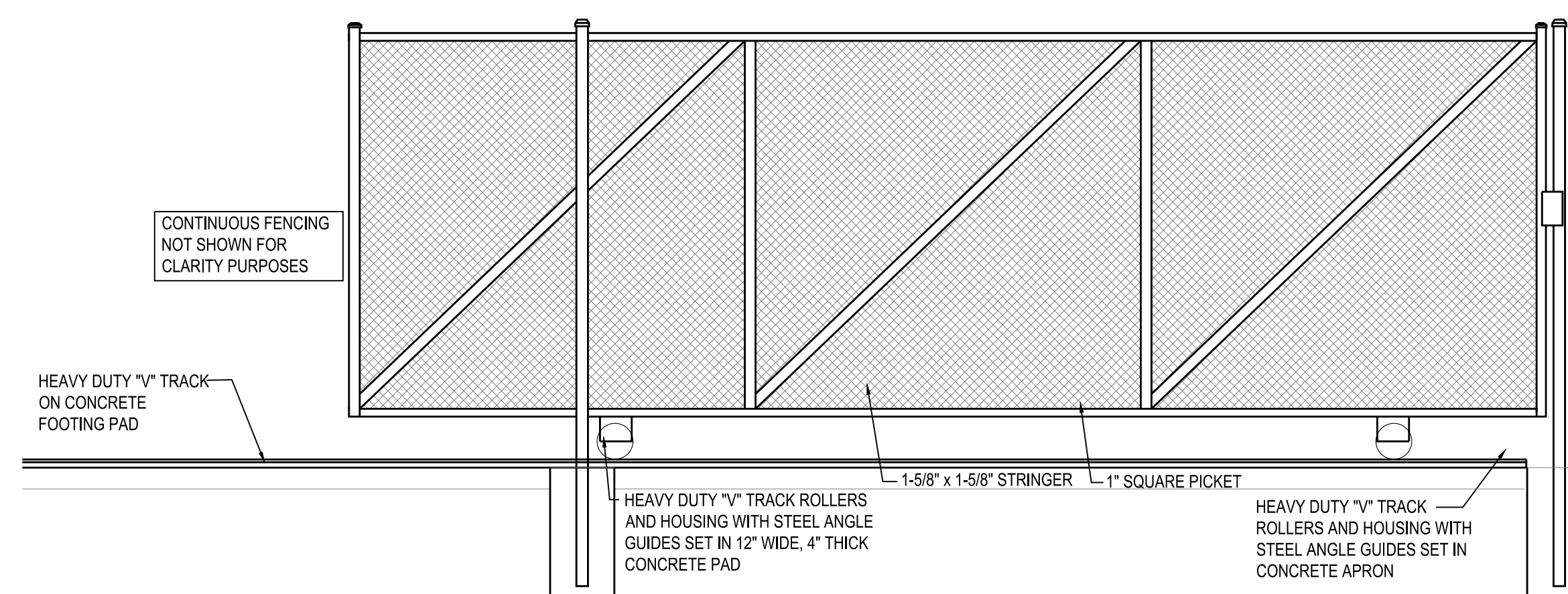
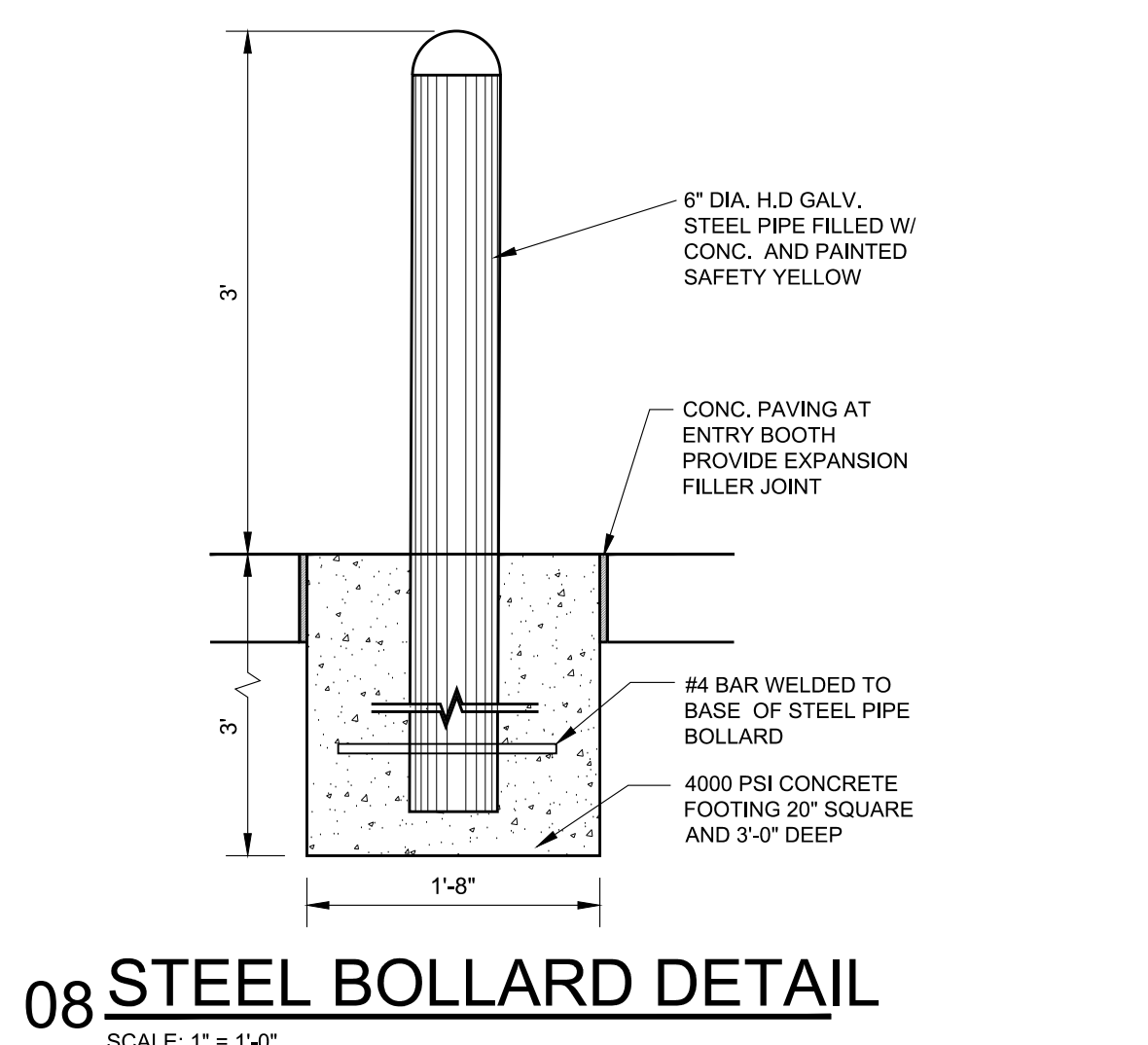
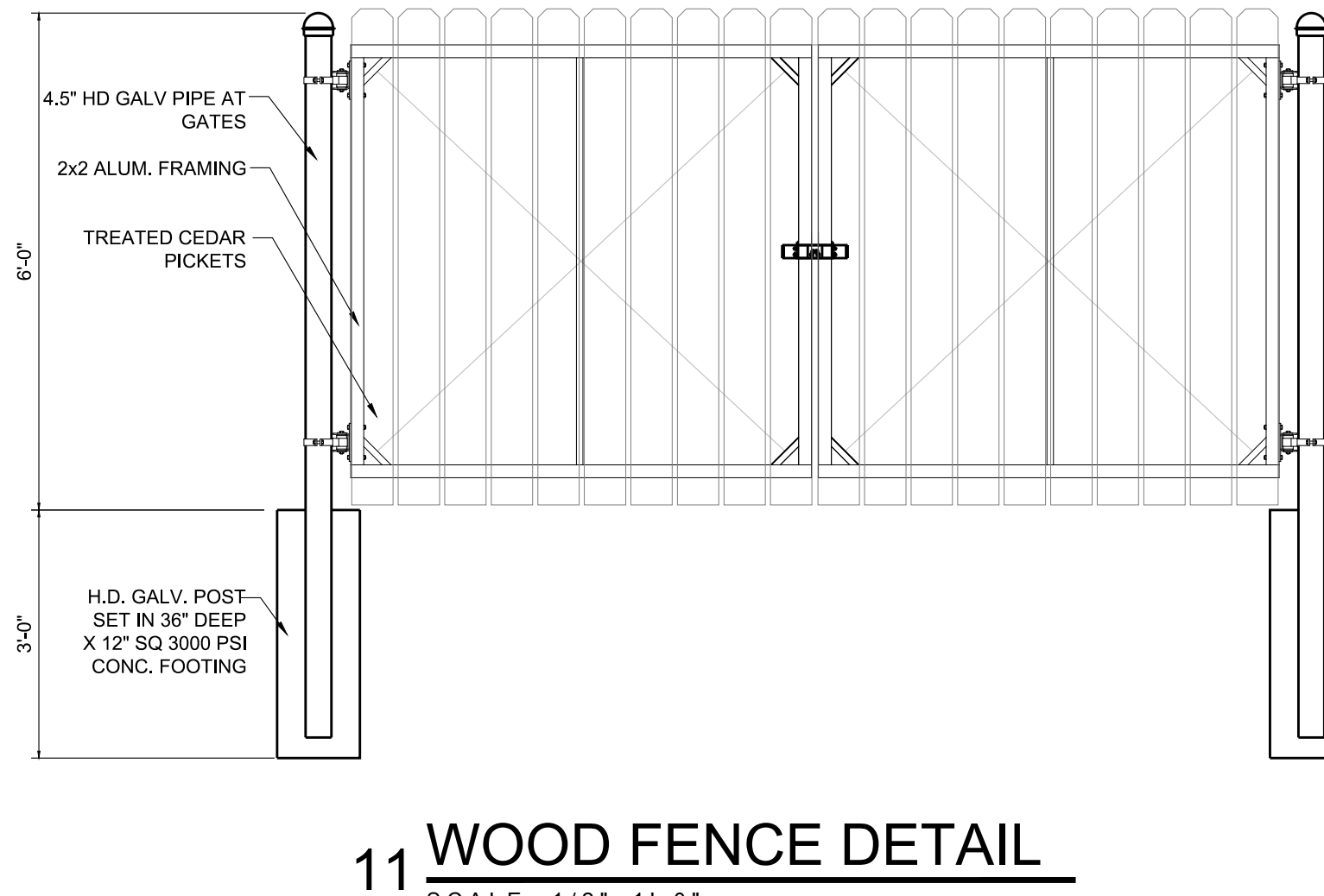
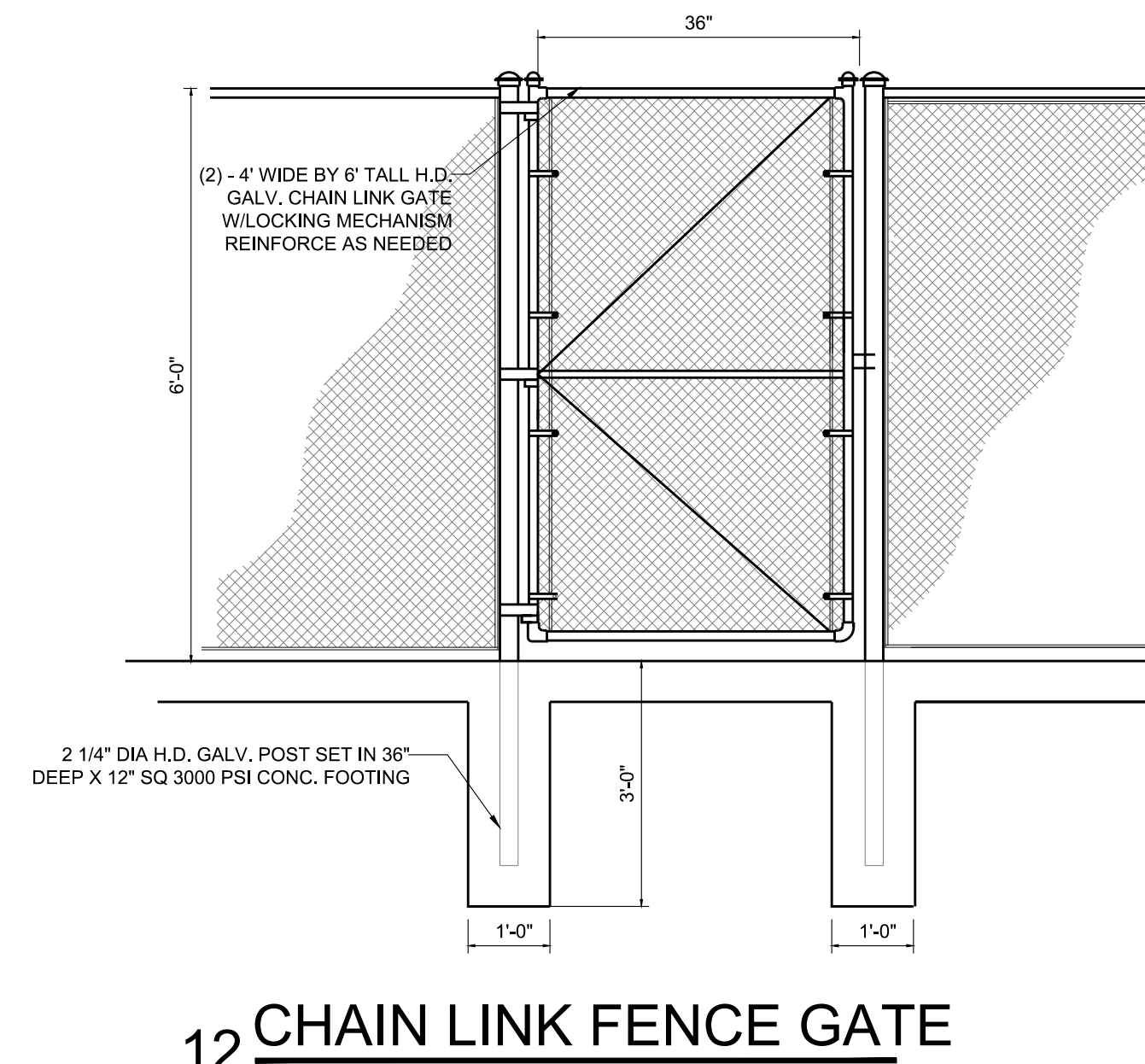
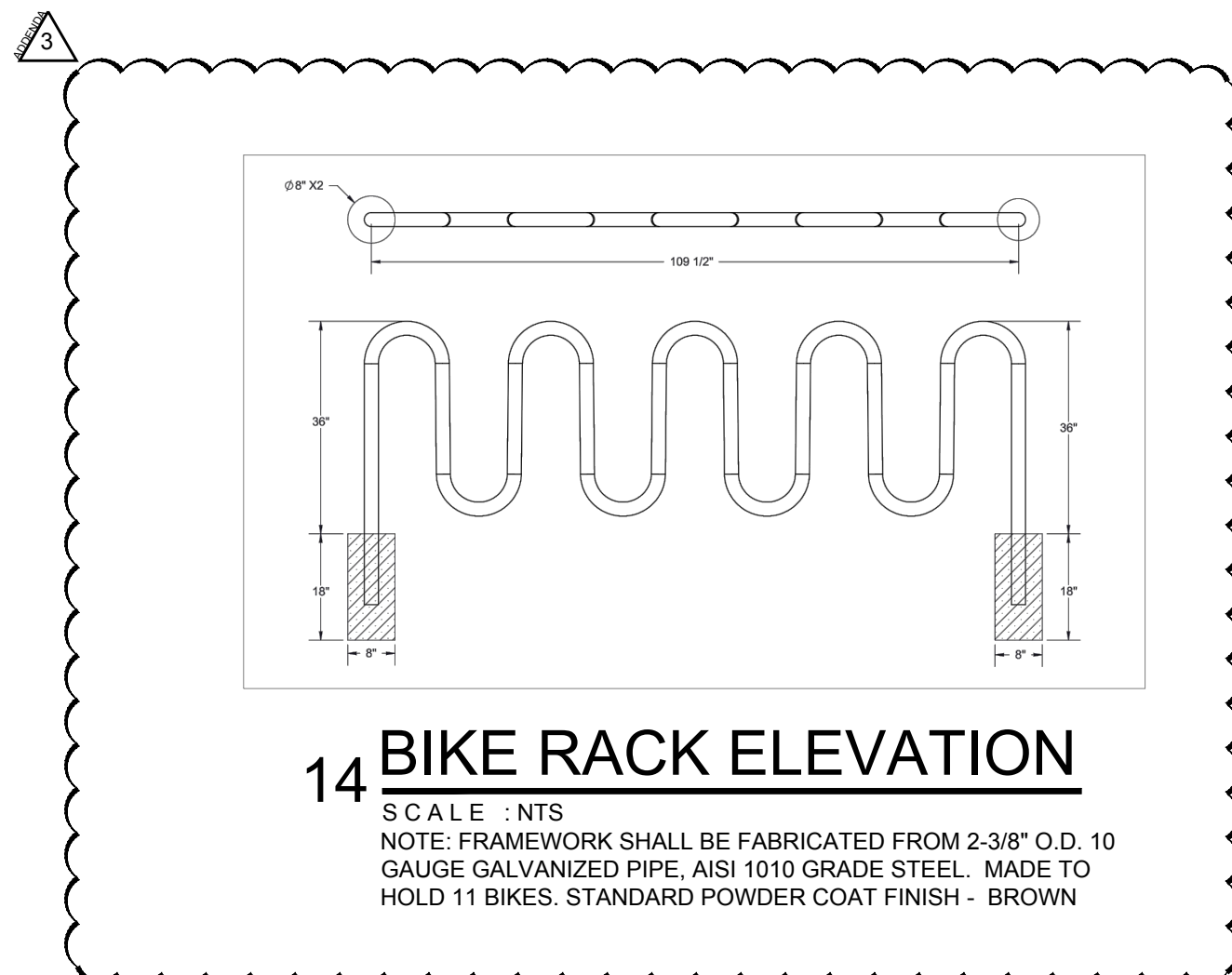
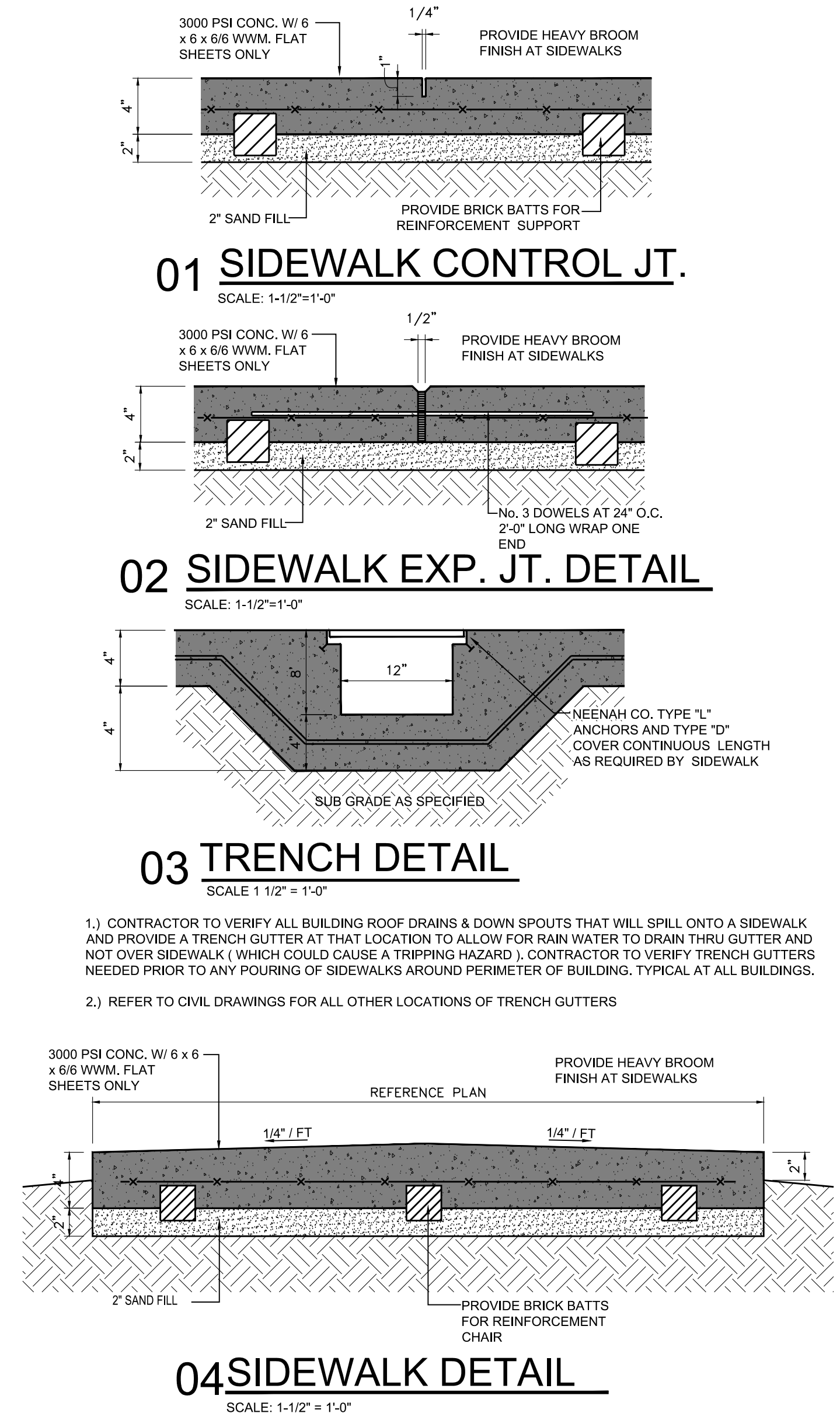
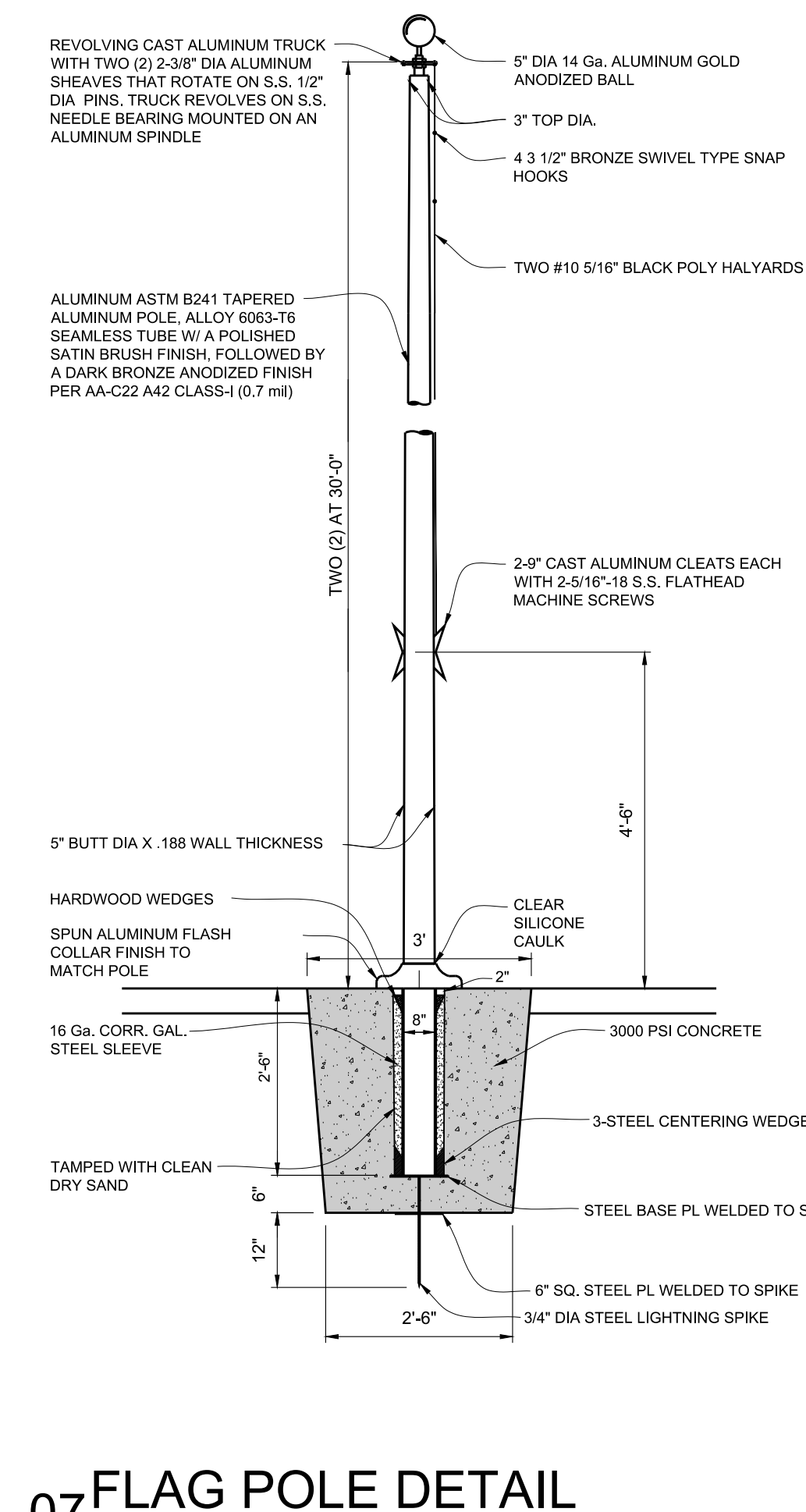
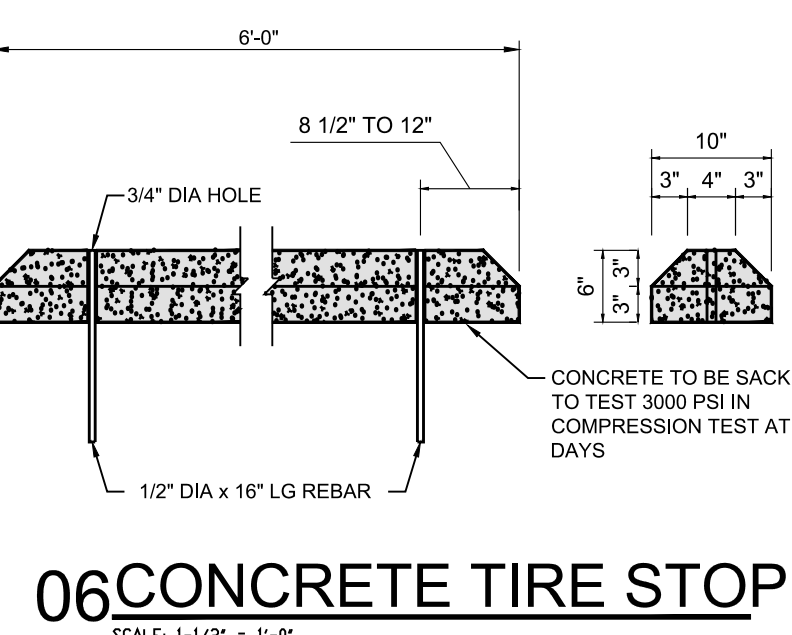
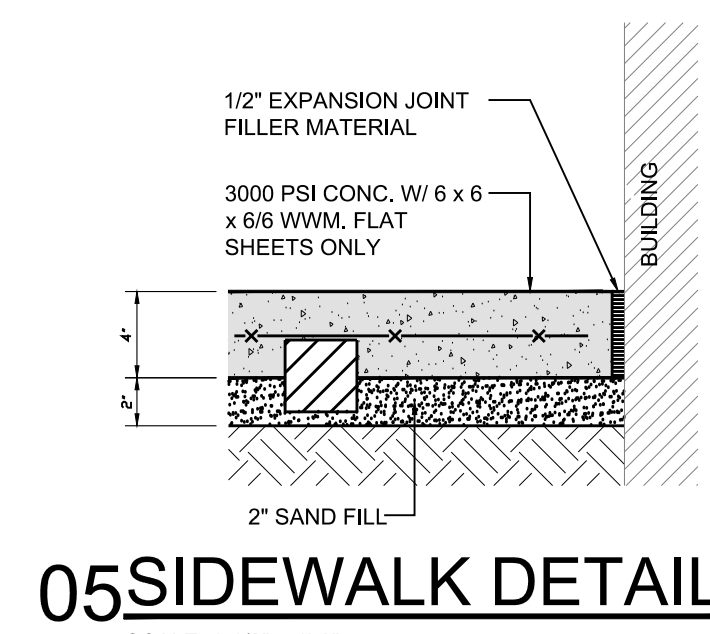
TRASH ENCLOSURE
FROM LEFT SIDE HALL TO TRUCK: 15' REAR BUMPER: 30'
FROM RIGHT SIDE HALL TO TRUCK: 15' FRONT BUMPER: 20'

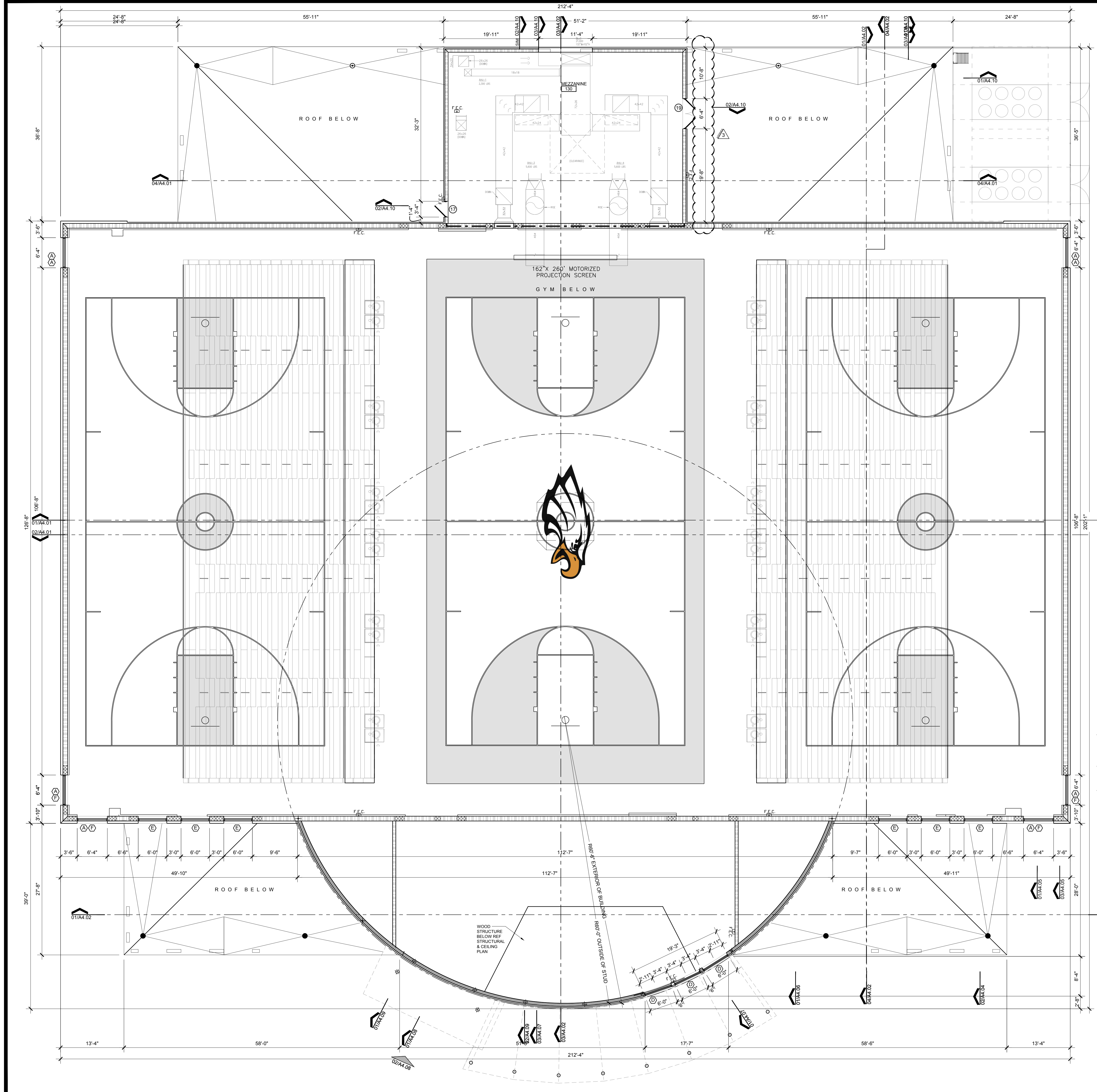
FRONT LOAD TRUCK
FROM ENCLOSURE GATES TO TRUCKS REAR BUMPER: 50'

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

15 GMS DUMPSTER SPECIFICATIONS

SCALE: NTS
NOTE: FRAMEWORK SHALL BE FABRICATED FROM 2-3/8" O.D. 10 GAUGE GALVANIZED PIPE, AISI 1010 GRADE STEEL. MADE TO HOLD 11 BIKES. STANDARD POWDER COAT FINISH - BROWN





ROOM FINISH SCHEDULE									
THIS SCHEDULE BASED ON PLAN NORTH ORIENTATION									
ROOM	ROOM NAME	BASE	FLR.	WALLS				CLG.	REMARKS
				N	S	E	W		
130	MEZZANINE			CONC.	CMU/PTD	CMU/PTD	CMU/PTD		

FINISH LEGEND:	
RUBBER	RUBBER BASE
PTD	PAINTED
CMU/PTD	CONC. MASONRY UNIT PAINTED
GYPP/PTD	GYPSUM BOARD PAINTED
CONC.	SEALED CONCRETE
MTL	METAL SCOTCH PANELS
C.T.	CERAMIC TILE BY DAL-TILE
FRP	FRP WALL PANEL
TERRAZ	TERRAZO

WALL TYPE LEGEND	
INDICATES 1/2" FIRE RATED 8" CMU WALL REFER TO INTERIOR PARTITION SECTIONS FOR ADDITIONAL INFORMATION (ABOVE CMU PROVIDE 5/8" TYPE X FIRE RATED GYP BRD EACH SIDE OF STUD)	
INDICATES 12" CMU WALL REFER TO INTERIOR PARTITION SECTIONS FOR ADDITIONAL INFORMATION	
INDICATES 8" CMU WALL REFER TO INTERIOR PARTITION SECTIONS FOR ADDITIONAL INFORMATION	
INDICATES 4" CMU WALL REFER TO INTERIOR PARTITION SECTIONS FOR ADDITIONAL INFORMATION	
INDICATES METAL STUD & BRICK WALL REFER TO STRUCTURAL FOR ADDITIONAL INFORMATION	
INDICATES 2X4 WOOD WALL REFER TO INTERIOR PARTITION SECTIONS FOR ADDITIONAL INFORMATION	

01 2nd Level FLOOR PLAN

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

GENERAL NOTES:

- REFERENCE A4.00 SERIES FOR WALL SECTIONS NOTED ON THIS PLAN.
- PROVIDE MASONRY CONTROL JOINTS AS PER STRUCTURAL.
- PROVIDE TRANSITION STRIPS AT ALL DISSIMILAR FLOOR CONDITIONS.
- REFERENCE FUTURE PLANS SHEET FOR FIXTURES, ACCESSORY REQUIREMENTS AND FLOOR TILE PATTERN LAYOUT.
- REFERENCE SHEET A3.01 FOR TOILET ENLARGEMENTS.

No. REVISIONS BY

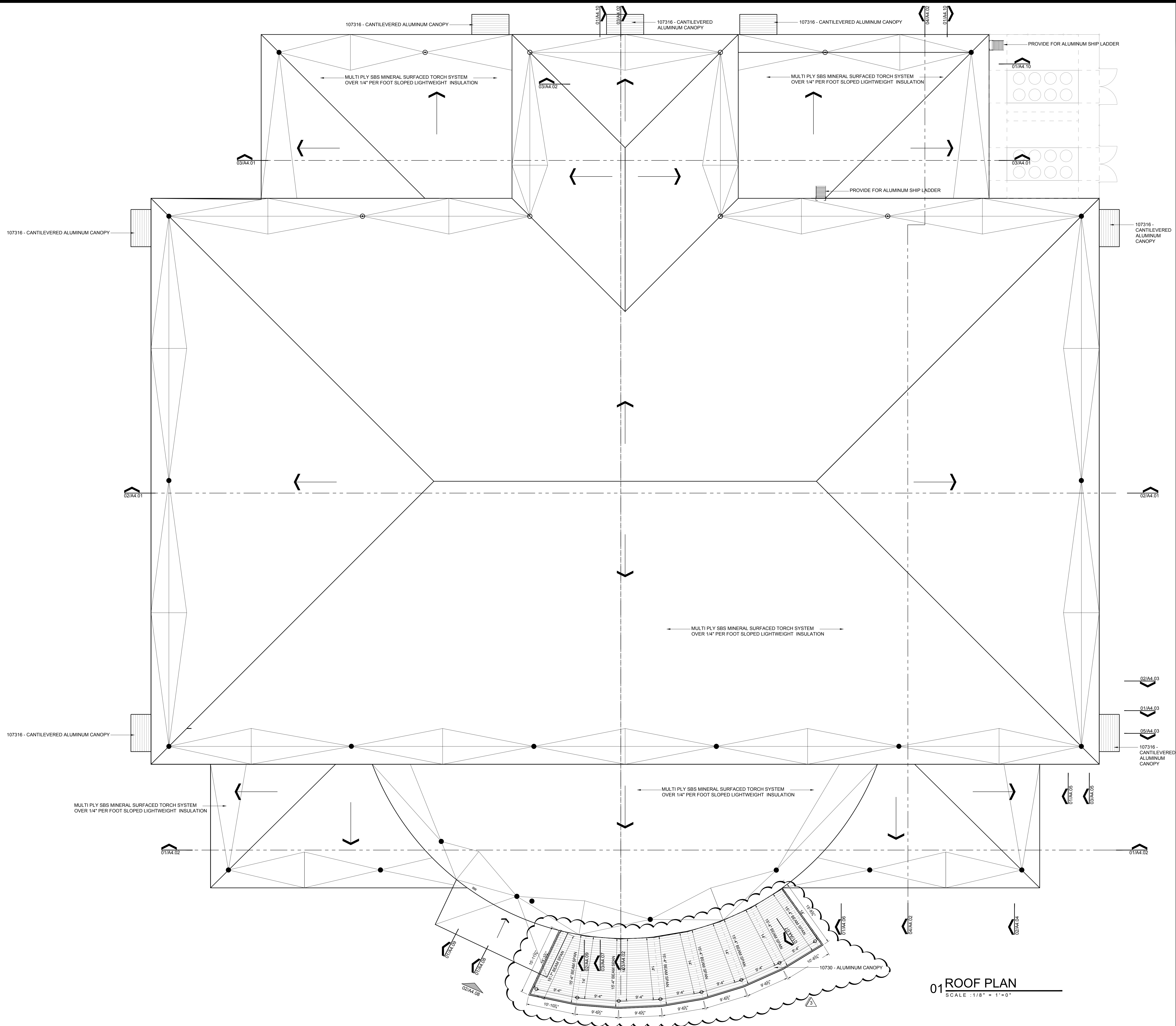
7-8-2019

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BISH Hanna ECHS
Gymnasium Facility


REGISTERED ARCHITECT
DAVID A. MONREAL
STATE OF TEXAS
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Architects-Planners
Interior Designers
Date: JUNE, 2019
Scale: As Noted
Project Architect: David Monreal, AIA
Drawn By: RB
Job No: BISH Hanna Gymnasium
Sheet: A2.02



01 ROOF PLAN
SCALE : 1/8" = 1'-0"


No.	REVISIONS	BY
1	ADDENDA 2	
2	7.2.2019	
3	ADDENDA 3	
4	7.8.2019	



GMS ARCHITECTS

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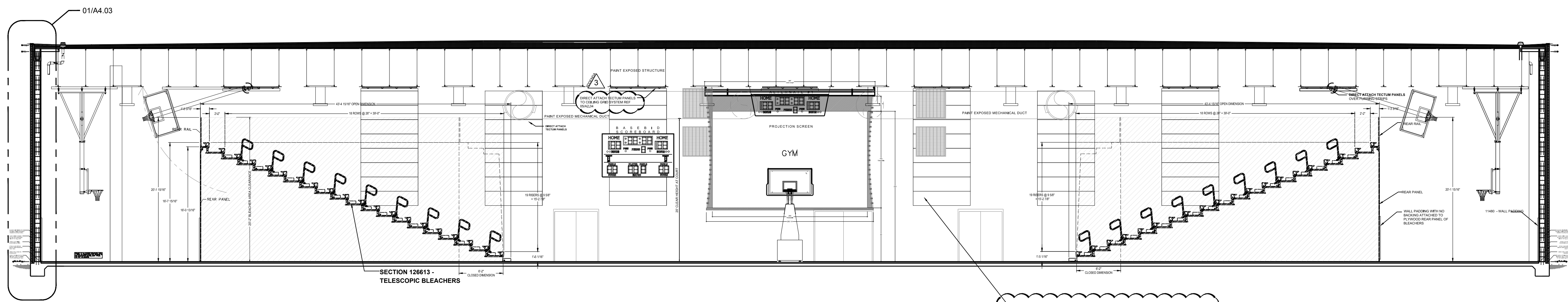
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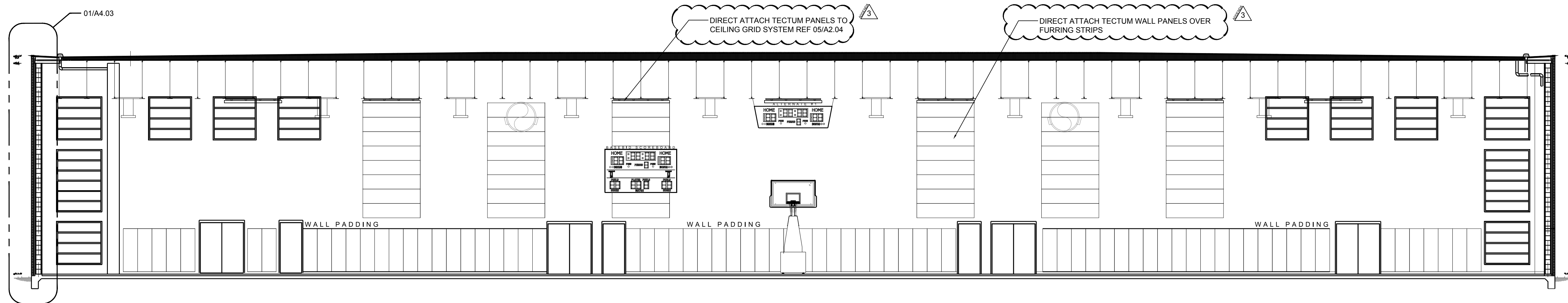
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Project Architect: David Monreal, AIA
Drawn By: RB
Job No: BISD Hanna Gymnasium
Sheet:

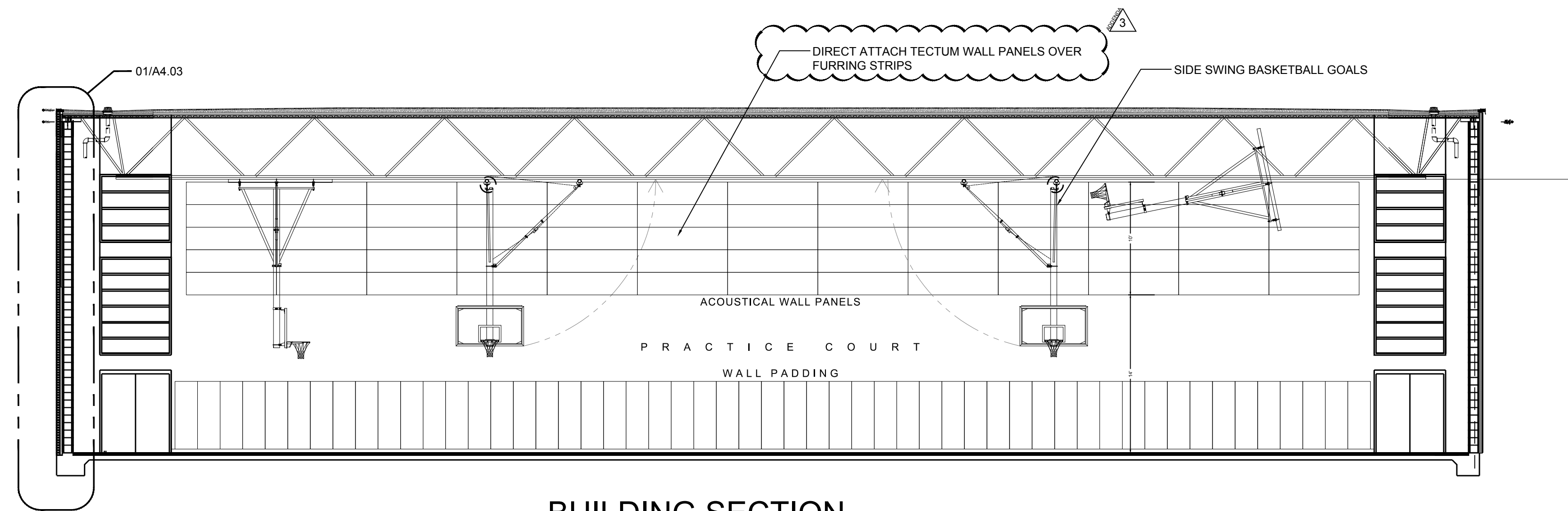
A2.05



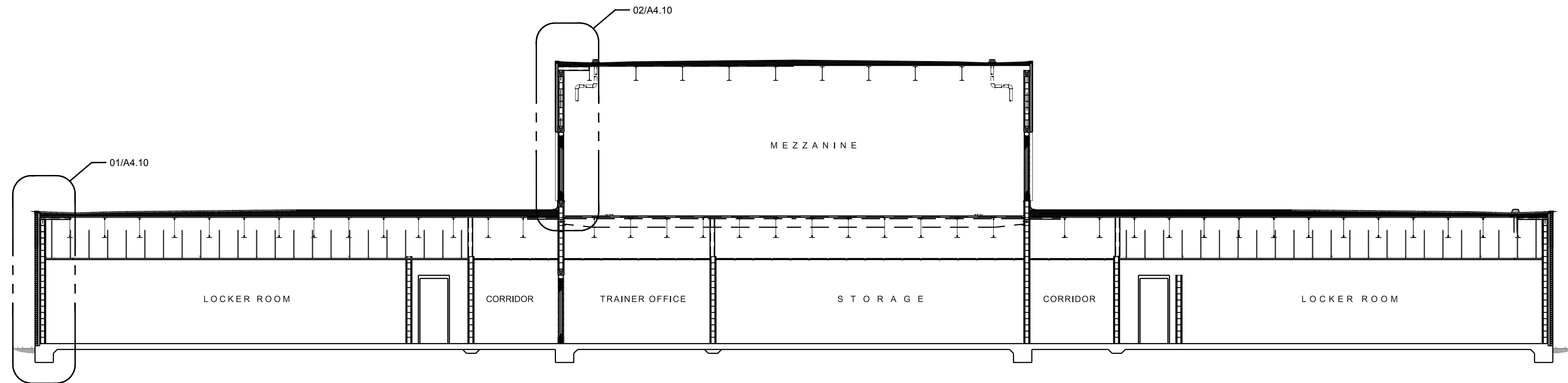
01 BUILDING SECTION
SCALE : 1/4" = 1'-0"



02 BUILDING SECTION
SCALE : 1/4" = 1'-0"



03 BUILDING SECTION
SCALE : 1/4" = 1'-0"



04 BUILDING SECTION
SCALE : 1/4" = 1'-0"



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July 9, 2019
BISD Hanna Gymnasium Facility

ADDENDUM NO. 3

A. PURPOSE AND INTENT

This addendum is issued for the purpose of modifying the plans and specifications for the project referenced above.

This addendum shall become part of the contract and all contractors shall be bound by its content.

All aspects of the specifications and drawings not covered herein shall remain the same.

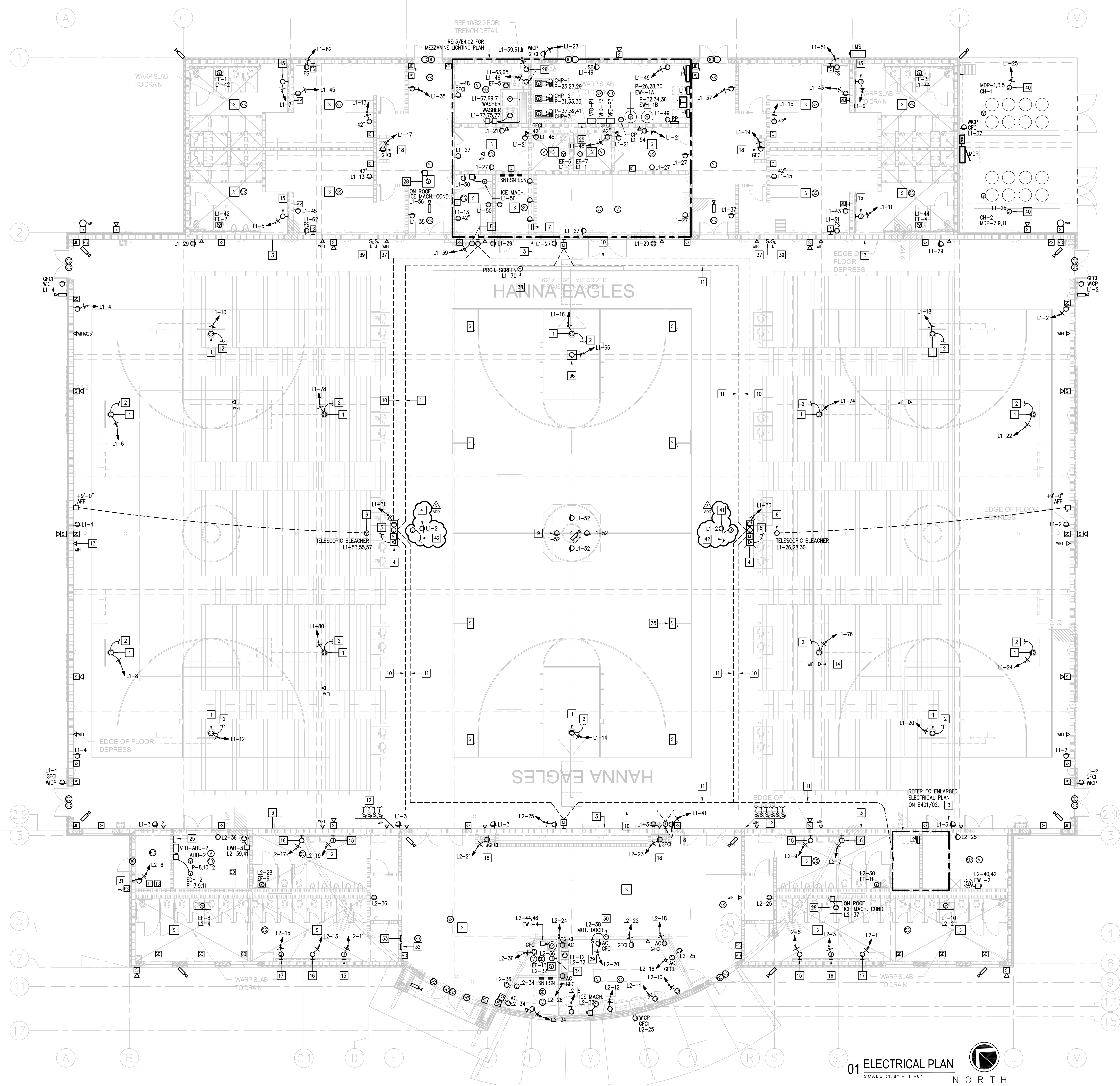
The General Conditions and the Special Conditions of the specifications shall govern all parts of the work and apply in full force to this addendum.

I. Specifications:

- 1) Section 268050 Hand Dryer:
 - a) World Dryer VERDEdri Q-973A is an acceptable equal.

II. Drawings:

- 2) Sheet E4.01:
 - a) Revised Electrical Plan for video recording system provision. See attached sheet.

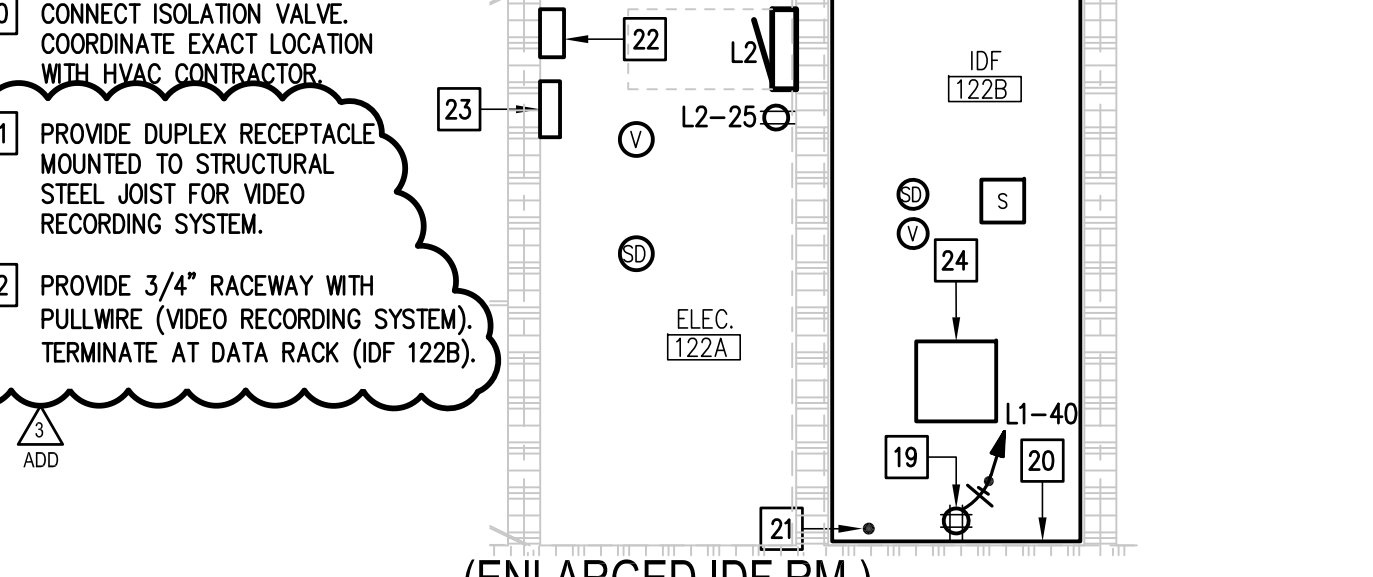


GENERAL NOTES:

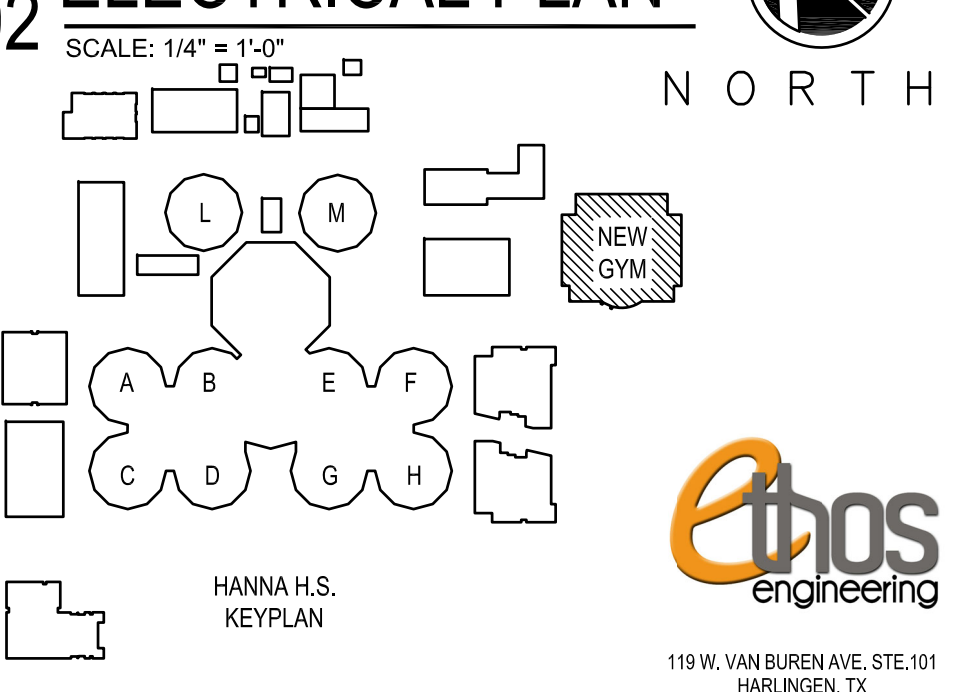
- ELECTRICAL BRANCH CIRCUIT HOMERUNS SHALL BE 3/4" - 2#12 & #12G. 20A/120V HOMERUNS EXCEEDING 100FT, THE WIRE SIZE SHALL BE #10 & #8 FOR 175'.
- HOMERUNS - INSTALL NO MORE THAN THREE PER RACEWAY (INCLUDING LIGHTING BRANCH CIRCUITS).
- PROVIDE ALL ELECTRICAL RECEPTACLES INSTALLED WITH THE GROUND OPENING IN THE "UP" POSITION.
- SPECIAL SYSTEMS (FIRE ALARM, INTRUSION DETECTION, VOICE, DATA, INTERCOM, ETC.) BACK BOX AND RACEWAYS LOCATED IN EXPOSED CEILING AREAS SHALL TERMINATE AT NEAREST CONCEALED CEILING OR CABLE TRAY. EXPOSED CABLEING IS ONLY ALLOWED IN AREAS WHERE CABLEING CAN BE CONCEALED ABOVE ACCESSIBLE CEILING SPACE WITH J-HOOKS.
- PROVIDE FIRE STOPPING AT ALL FIRE WALL PENETRATIONS; PROVIDE EXPANSION PLATES & BONDING JUMPERS AT BUILDING EXPANSION JOINTS.
- PROVIDE 1-2" RACEWAY (SLEEVE) 12" ABOVE CEILING AT ALL ROOMS. DOORS THAT LEAD TO CORRIDORS (FLOOR TO CEILING WALLS) FOR SPECIAL SYSTEMS WIRING.
- USE TAMPER RESISTANT RECEPTACLES THROUGHOUT.

KEYED NOTES:

- ATTACH RECEPTACLE TO THE CEILING STRUCTURE STEEL & CONNECT MOTORIZED BACKSTOP. VERIFY POINT OF CONNECTION W/ BACKSTOP SUPPLIER PRIOR TO ROUGH-IN.
- TO MOTORIZED BACKBOARD KEYED SWITCH - SEE DETAIL. FURNISHED BY BACKSTOP SUPPLIER; INSTALLED & CONNECTED BY ELECTRICAL CONTRACTOR.
- PROVIDE AN EXTENSION RING ON WIRING DEVICES LOCATED ON THIS WALL TO INSTALL FLUSH MOUNTED WITH PROTECTIVE PADDING.
- INSTALL DEVICES INSIDE FLUSH MOUNTED FLOORBOX. COORDINATE THE SCORE KEEPERS TABLE EXACT LOCATION PRIOR TO ROUGH-IN (COVER PLATE FLUSH MOUNTED).
- PROVIDE 1.25" RACEWAY W/ PULLWIRE (DATA). STUB-UP RACEWAY IN WALL CAVITY BEHIND DATA RACK TO AN ACCESSIBLE LOCATION ABOVE CEILING.
- CONNECT MOTORIZED TELESCOPIC BLEACHERS. COORDINATE EXACT POINT OF CONNECTION AND LOCATION OF SAFETY SWITCH BELOW BLEACHERS WITH EQUIPMENT SUPPLIER PRIOR TO ANY ROUGH-IN. SEE CONNECTION SCHEDULE.
- PROVIDE WALL MOUNTED AMPLIFIER. BRANCH CIRCUIT: 1/2" - 2#12 & #12G, L1-23.
- CONNECT WALL MOUNT SCOREBOARD. SEE ARCHITECT DRAWINGS FOR EXACT LOCATION.
- CONNECT SUSPENDED SCOREBOARD. SECURE WIRING DEVICE TO STRUCTURE STEEL - TYPICAL OF 4.
- PROVIDE 3/4" RACEWAY W/ PULLWIRE (SCOREBOARD CONTROLS).
- PROVIDE 1.25" RACEWAY W/ PULLWIRE (P.A. SYSTEM).
- TO CONTROL MOTORIZED BACKBOARDS.
- MOUNT AT 15' AFF. STUB-OUT CONDUIT TO NEAREST ACCESSIBLE CEILING SPACE TO ALLOW FOR CABLEING TO MDF/DF ROOM - TYPICAL.
- MOUNT TO BOTTOM OF STEEL JOIST. STUB-OUT CONDUIT TO NEAREST ACCESSIBLE CEILING SPACE TO ALLOW FOR CABLEING TO MDF/DF ROOM.
- PROVIDE INFRARED RECESSED MOUNTED HAND DRYER. HAND DRYER SHALL BE BOBRICK B-750 (NO SUBSTITUTION). BRANCH CIRCUIT: 3/4" CC 2#10 & #10G. MOUNT @ +38" A.F.F. (BOTTOM). VERIFY THE EXACT LOCATION WITH THE ARCHITECTURAL PLANS.
- PROVIDE INFRARED RECESSED MOUNTED HAND DRYER. HAND DRYER SHALL BE BOBRICK B-750 (NO SUBSTITUTION). BRANCH CIRCUIT: 3/4" CC 2#10 & #10G. MOUNT @ +43" A.F.F. (BOTTOM). VERIFY THE EXACT LOCATION WITH THE ARCHITECTURAL PLANS.
- PROVIDE INFRARED RECESSED MOUNTED HAND DRYER. HAND DRYER SHALL BE BOBRICK B-750 (NO SUBSTITUTION). BRANCH CIRCUIT: 3/4" CC 2#10 & #10G. MOUNT @ +46" A.F.F. (BOTTOM). VERIFY THE EXACT LOCATION WITH THE ARCHITECTURAL PLANS.
- CONNECT ELECTRIC DRINKING FOUNTAIN. ROUGH-IN AT 17-7/16" TO CENTER OF J-BOX - TYPICAL. COORDINATE WITH PLUMBING CONTRACTOR.
- CONNECT DATA RACK.
- PROVIDE 3/4" X 4" X 4" PLYWOOD TELEPHONE/DATA BOARD ON ALL WALLS. FIRE RESISTIVE TREATED (A-D INT-APA). MOUNT AT 6" BELOW CEILING.
- PROVIDE GROUND BUS BAR. REFER TO GROUNDING ELECTRICAL RISER DIAGRAM.
- PROVIDE INTRUSION DETECTION SYSTEM PANEL; BRANCH CIRCUIT: 1/2" - 2#12 & #12G, L2-35.
- PROVIDE FIRE ALARM CONTROL PANEL WITH EMERGENCY VOICE SYSTEM; BRANCH CIRCUIT: 1/2" - 2#12 & #12G, L2-33. PROVIDE TWO TELEPHONE CONNECTIONS.
- DATA RACK - PROVIDED BY OWNER.
- CONNECT HVAC DDC CONTROL PANEL TO NEAREST 120V, 20A/1P SPARE BREAKER.
- PROVIDE SPECIAL RECEPTACLE FOR DRYER (NEMA 10-30R); BRANCH CIRCUIT: 3/4" - 3#10 & #10G.
- NOT USED.
- CONNECT ICE MACHINE REMOTE CONDENSER ON ROOF. OBTAIN POWER FROM ICE MACHINE. ROUTE CONNECTION THROUGH ROOF PENETRATION - SEE ARCHITECTURAL DRAWINGS.
- CONNECT AND INSTALL ROLLING MOTORIZED DOOR SWITCH. SWITCH PROVIDED BY OTHERS.
- CONNECT ROLLING MOTORIZED DOOR. BRANCH CIRCUIT: 1/2" - 2#10 & #10G. COORDINATE POINT OF CONNECTION WITH SUPPLIER.
- CONNECT FLOW SWITCH.
- FIRE ALARM REMOTE ANNUNCIATOR (FLUSH MOUNTED) FACING LOBBY. COORDINATE WITH FIRE ALARM CONTRACTOR.
- PROVIDE FIRE ALARM VOICE EVACUATION REMOTE MICROPHONE (FLUSH MOUNTED) FACING LOBBY. COORDINATE WITH FIRE ALARM CONTRACTOR.
- CONNECT ELECTRONIC PRIMER. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR.
- SEE MOUNTING DETAIL 01/E8.01 - TYPICAL.
- PROVIDE CEILING MOUNTED SCISSOR LIFT AND PROJECTOR. SEE DETAIL 12/E8.01.
- PROVIDE SCISSOR LIFT KEYED SWITCH DRAPER MODEL NO. SP-KSM AT 48" AFF.
- CONNECT MOTORIZED PROJECTOR SCREEN. COORDINATE POINT OF CONNECTION WITH SUPPLIER.
- CONNECT AND INSTALL MOTORIZED PROJECTOR SCREEN SWITCH. SWITCH PROVIDED BY OTHERS.
- CONNECT ISOLATION VALVE. COORDINATE EXACT LOCATION WITH HVAC CONTRACTOR.



**(ENLARGED IDF RM.)
02 ELECTRICAL PLAN**



01 ELECTRICAL PLAN
SCALE: 1/8" = 1'-0"
NORTH

No.	REVISIONS	BY
1	JUNE 27, 2019	
2	JULY 09, 2019	

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BISD Hanna ECHS Gymnasium Facility

RAY PEYNADO
REGISTERED ELECTRICAL ENGINEER
NO. 125396
STATE OF TEXAS

06.12.2019
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Gomez Mendez-Sanchez Inc.
Architects-Planners
Interior Designers

Date: June 12, 2019
Scale: As Noted
Project Architect: David Monreal, AIA
Drawn By: ETHOS
Job No: BISD Hanna Gymnasium
Sheet: **E4.01**

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