



# FAIRFIELD COUNTY SCHOOL DISTRICT

## FAIRFIELD CENTRAL HS RENOVATION

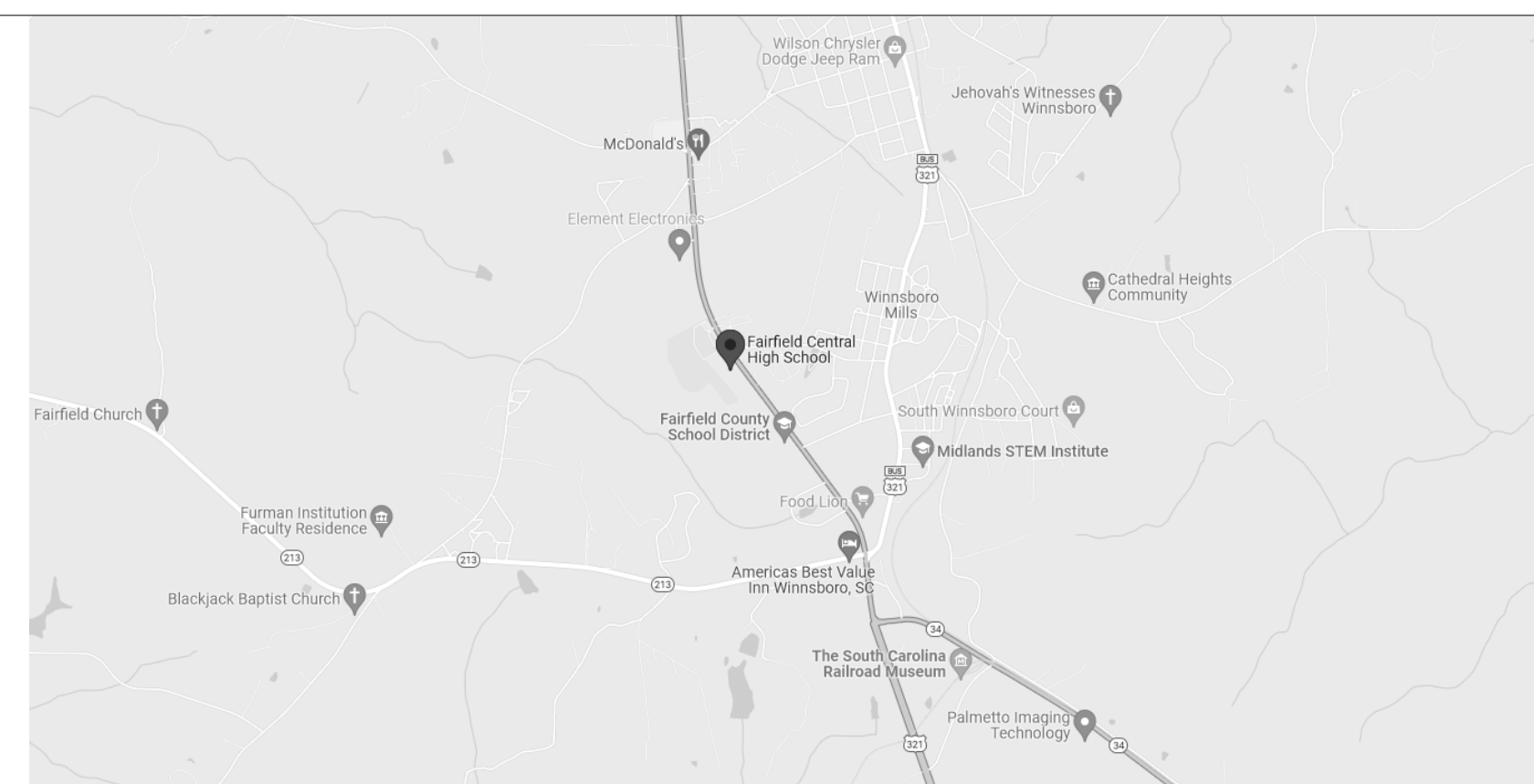
836 US-321 BYP South, Winnsboro, SC 29180

FINAL DRAWINGS

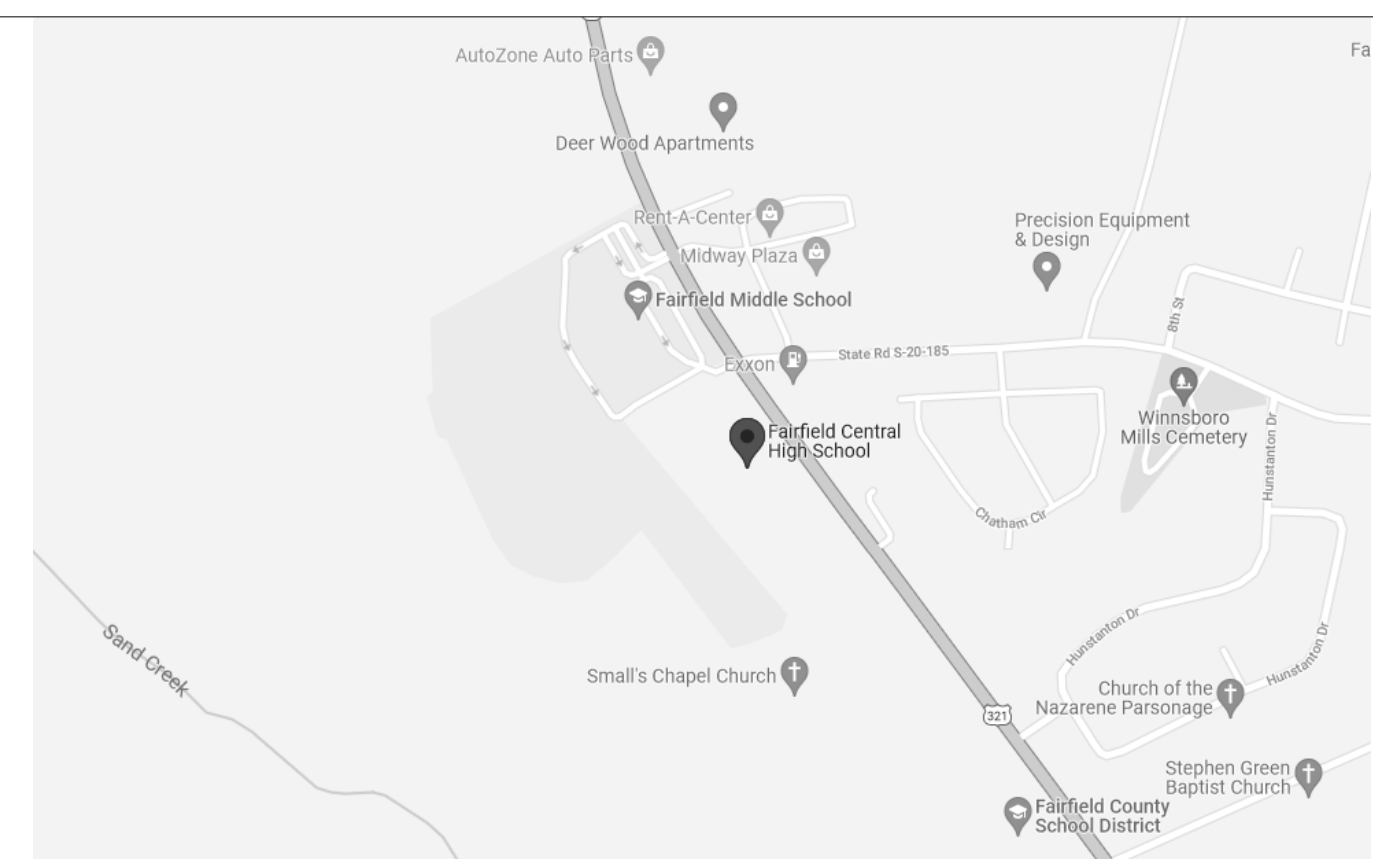
04/12/2022

LS3P PROJECT # 2201-210535

AREA MAP



VICINITY MAP



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**GENERAL**

- G-000 COVER SHEET
- G-003 LIFE SAFETY FLOOR PLANS LEVELS 1, 1.5 & 2 DURING CONSTRUCTION
- G-004 LIFE SAFETY PLAN LEVEL 3 DURING CONSTRUCTION

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- C2.1 SOFTBALL BATTING CAGE - SITE PLAN
- C3.1 AUDITORIUM EXTERIOR STEP IMPROVEMENTS - EXISTING CONDITIONS AND DEMOLITION / STAKING PLAN
- C3.2 AUDITORIUM EXTERIOR STEP IMPROVEMENTS - GRADING PLAN
- C4.1 DETAILS

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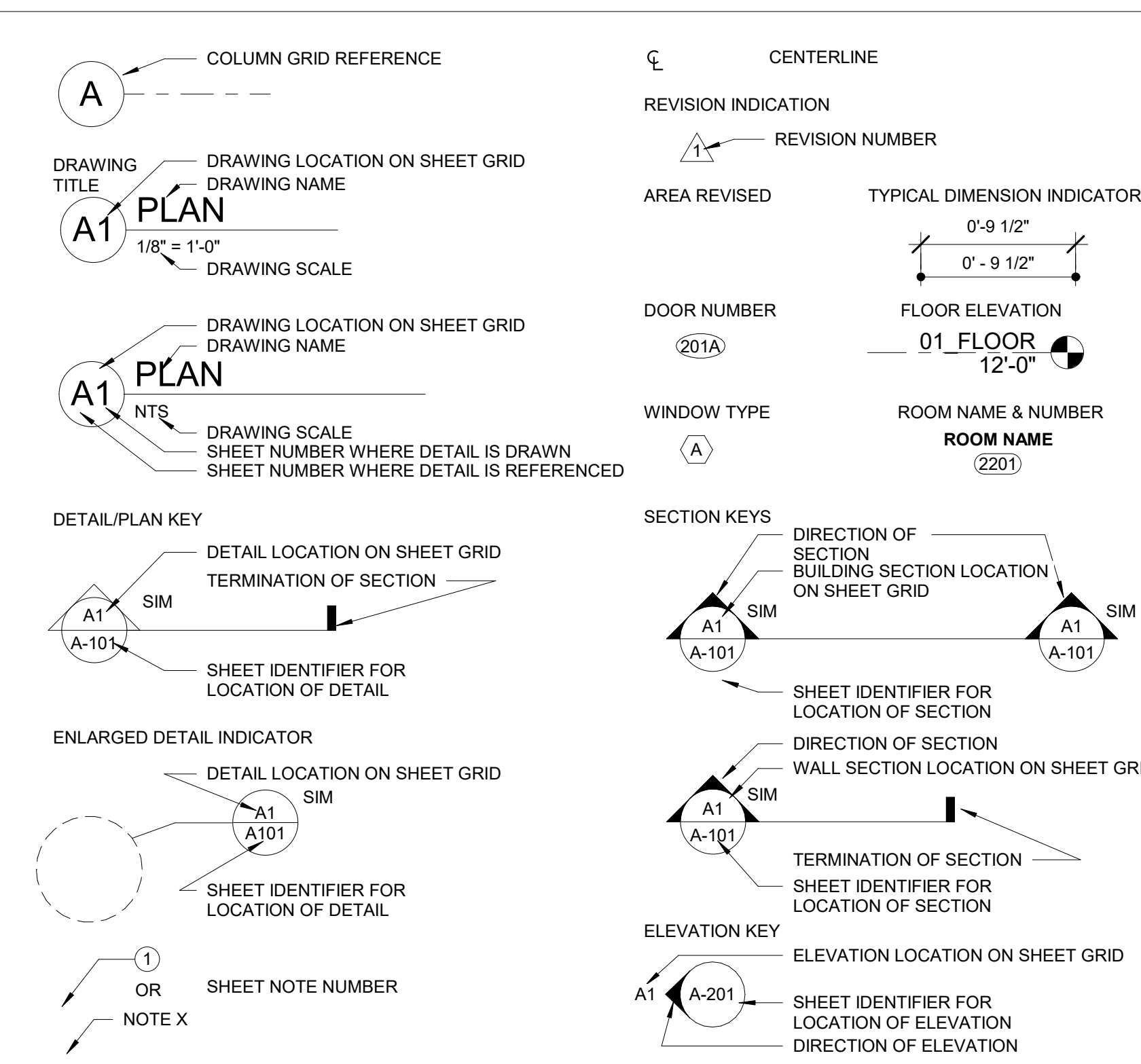
**ARCHITECTURAL**

- A-131 ATHLETIC BUILDING - BATTING CAGE - BASE & ALTERNATE 1
- A-411 ENLARGED STAIRS PLANS & SECTION
- A-412 ENLARGED STAIR PLANS & SECTIONS

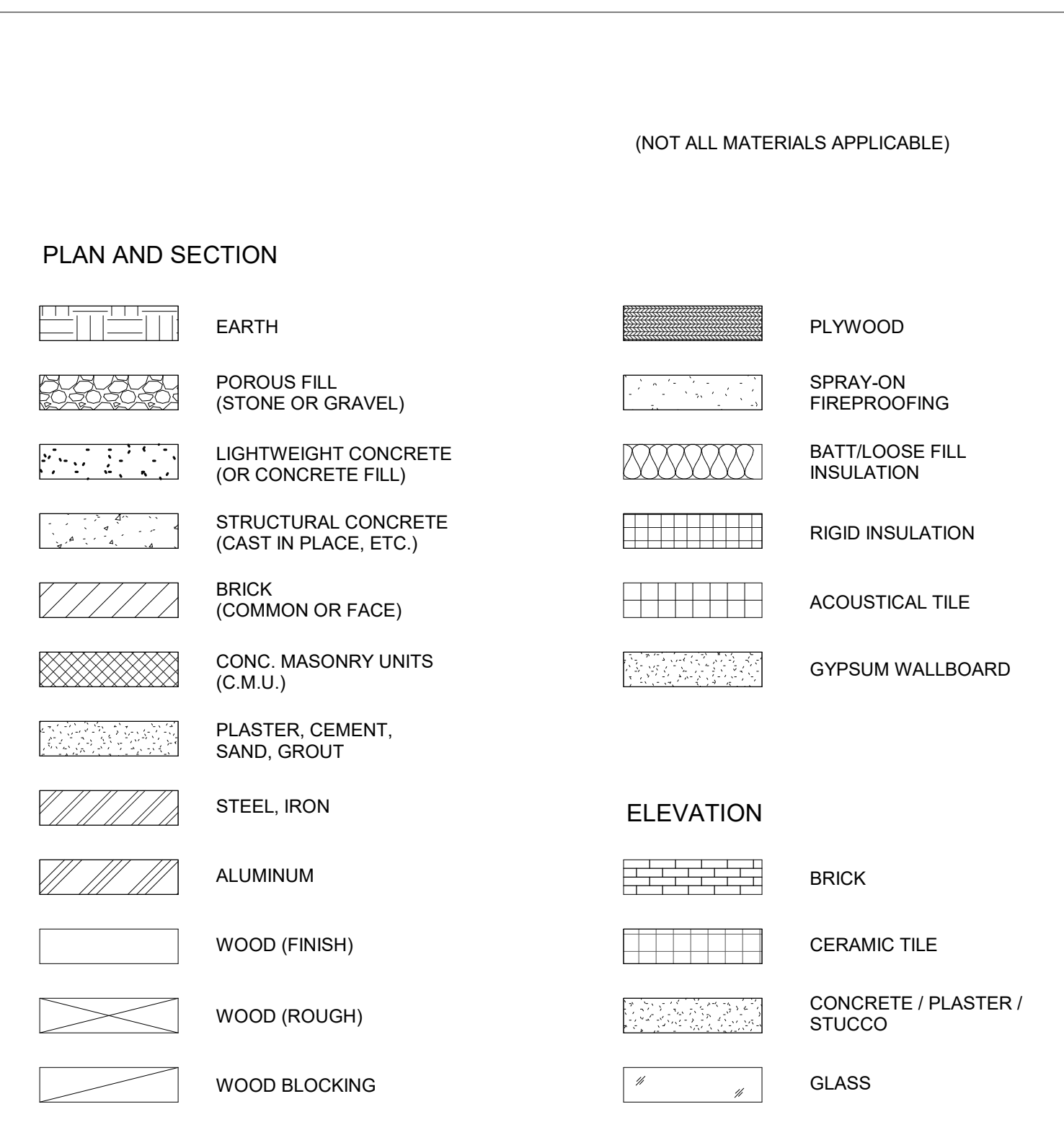
**ELECTRICAL**

- E-001 BASEBALL AND SOFTBALL BATTING CAGES - ELECTRICAL
- E-101 PARTIAL FLOOR PLANS - LIGHTING
- E-111 ATHLETIC BUILDING - BATTING CAGE - BASE & ALTERNATE 2 - ELECTRICAL
- E-201 PUMP ROOM MCC REPLACEMENT - ALTERNATE 3 - ELECTRICAL

GRAPHIC SYMBOL LEGEND



MATERIAL LEGEND



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**FAIRFIELD  
CENTRAL HS  
RENOVATION**



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REVISIONS:

No.	Description	Date
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PROJECT: 2201-210535  
DATE: 04/12/2022

**LIFE SAFETY  
FLOOR PLANS  
LEVELS 1, 1.5  
& 2 DURING  
CONSTRUCTION**

**G-003**

**FINAL DRAWINGS**

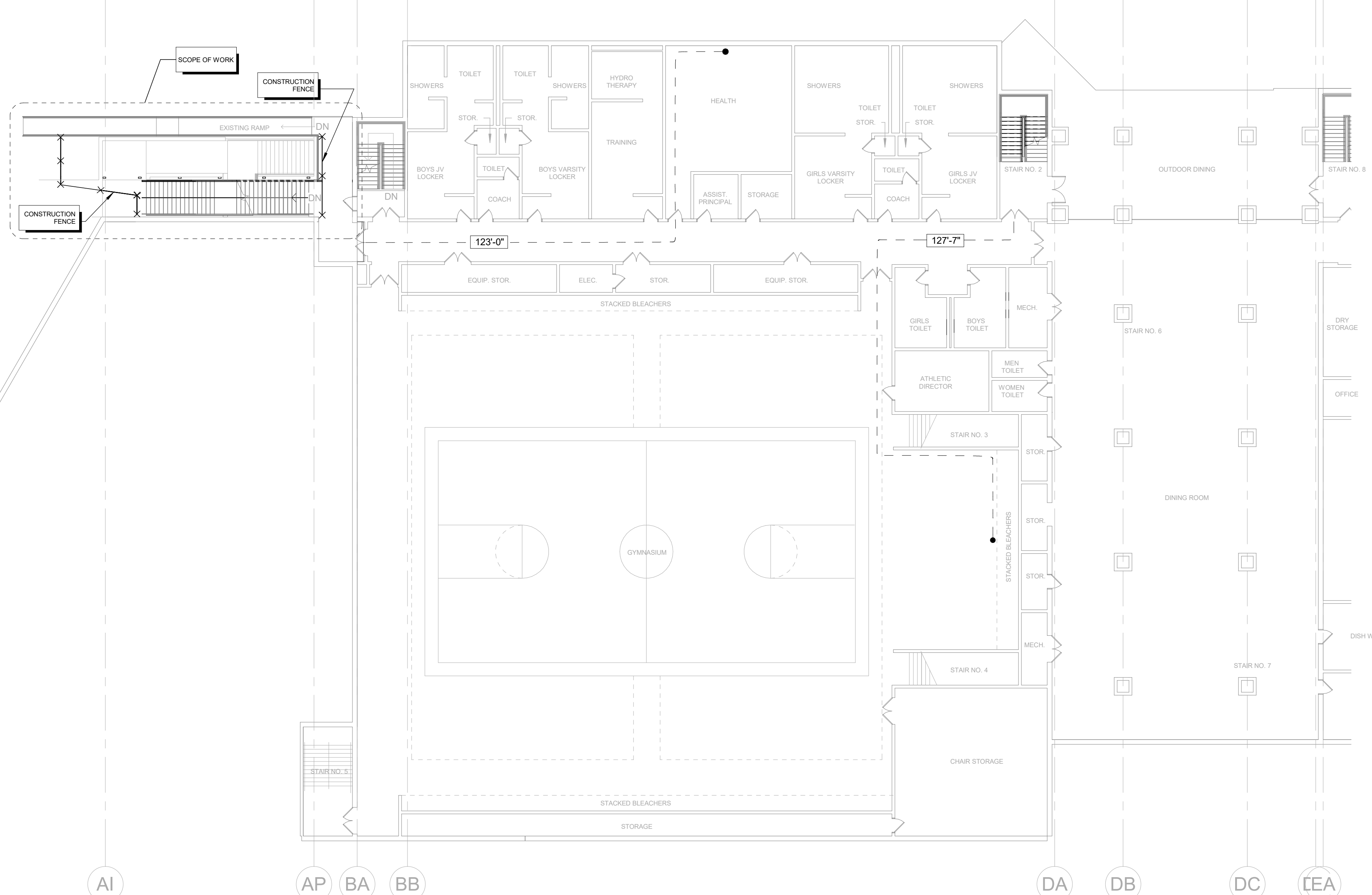
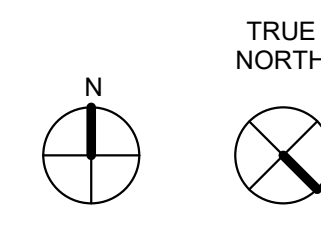
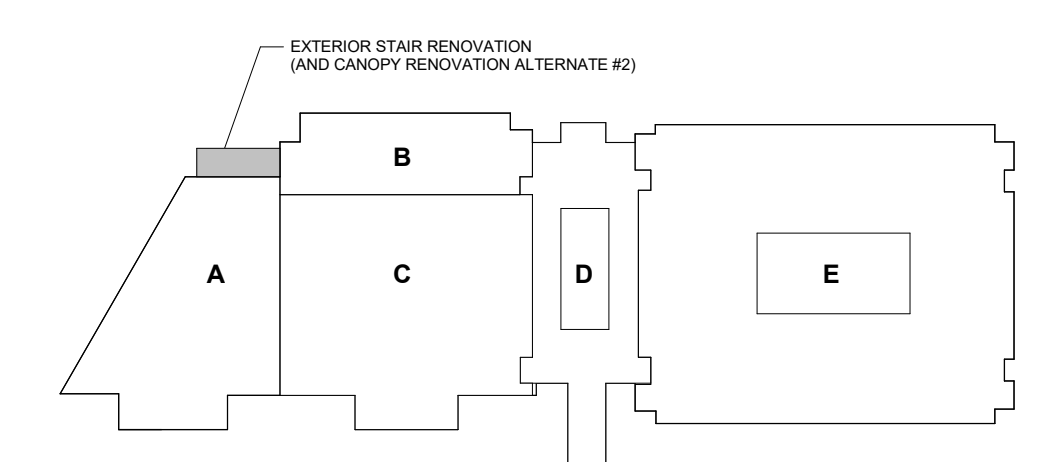
**GENERAL NOTES**

- A. MAINTAIN EGRESS ROUTES AT ALL TIMES. PROVIDE TEMPORARY WALKWAYS WHERE REQUIRED TO MAINTAIN EGRESS ROUTES. PROVIDE TEMPORARY BARRICADES SEPARATING CONSTRUCTION AREAS FROM EGRESS ROUTES. PROVIDE OVERHEAD PROTECTION ALONG ALL PORTIONS OF EGRESS ROUTES WHERE OVERHEAD CONSTRUCTION OCCURS. SEE ALSO SPECIFICATION SECTION 01500.
- B. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH CONSTRUCTION SAFEGUARDS PER IBC CHAPTER 33.

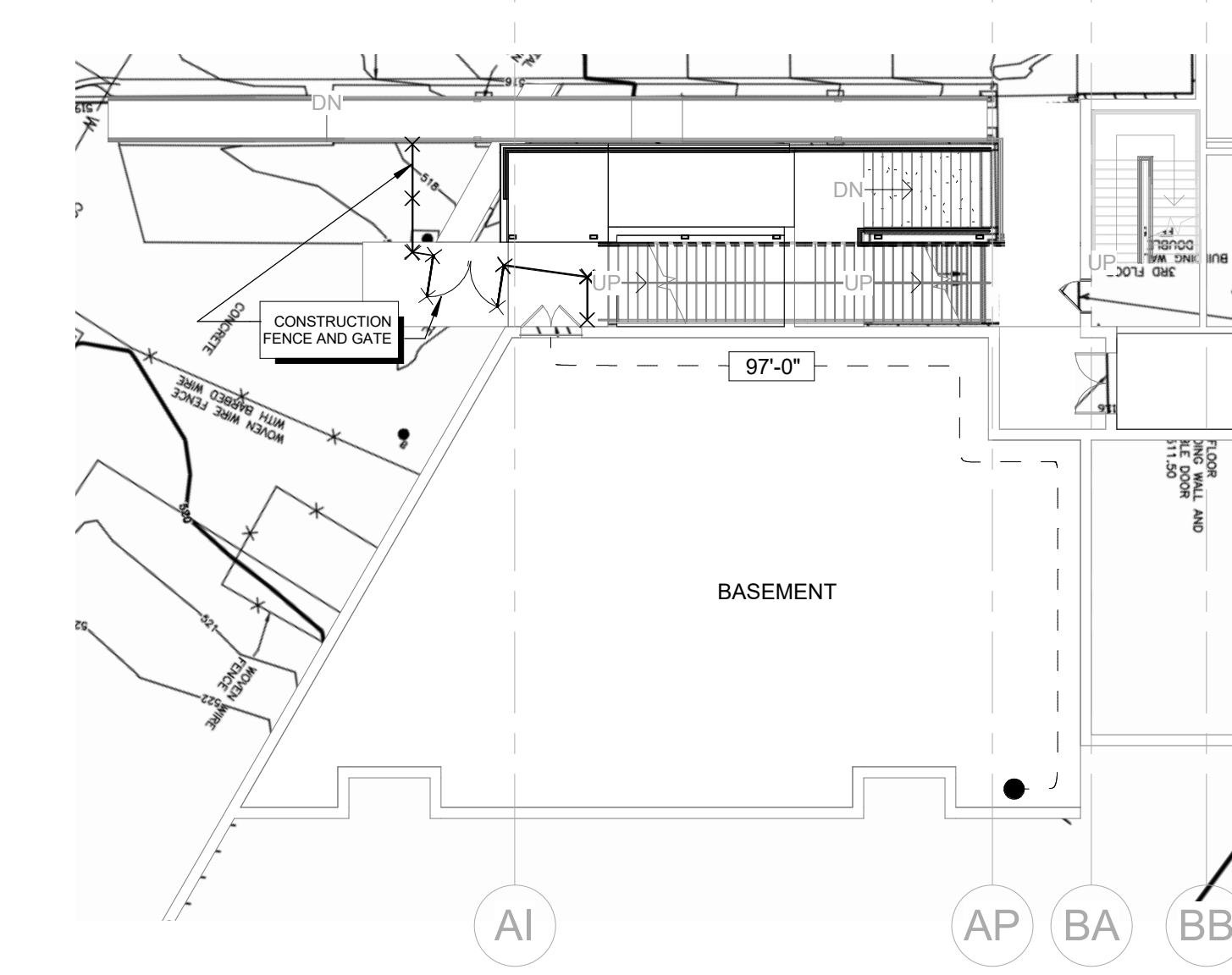
**LIFE SAFETY LEGEND**

- EXISTING
- - - - - TRAVEL DISTANCE (MOST REMOTE SHOWN ONLY)
- X - X - TEMPORARY CONSTRUCTION FENCE - 6' HIGH W/ FABRIC

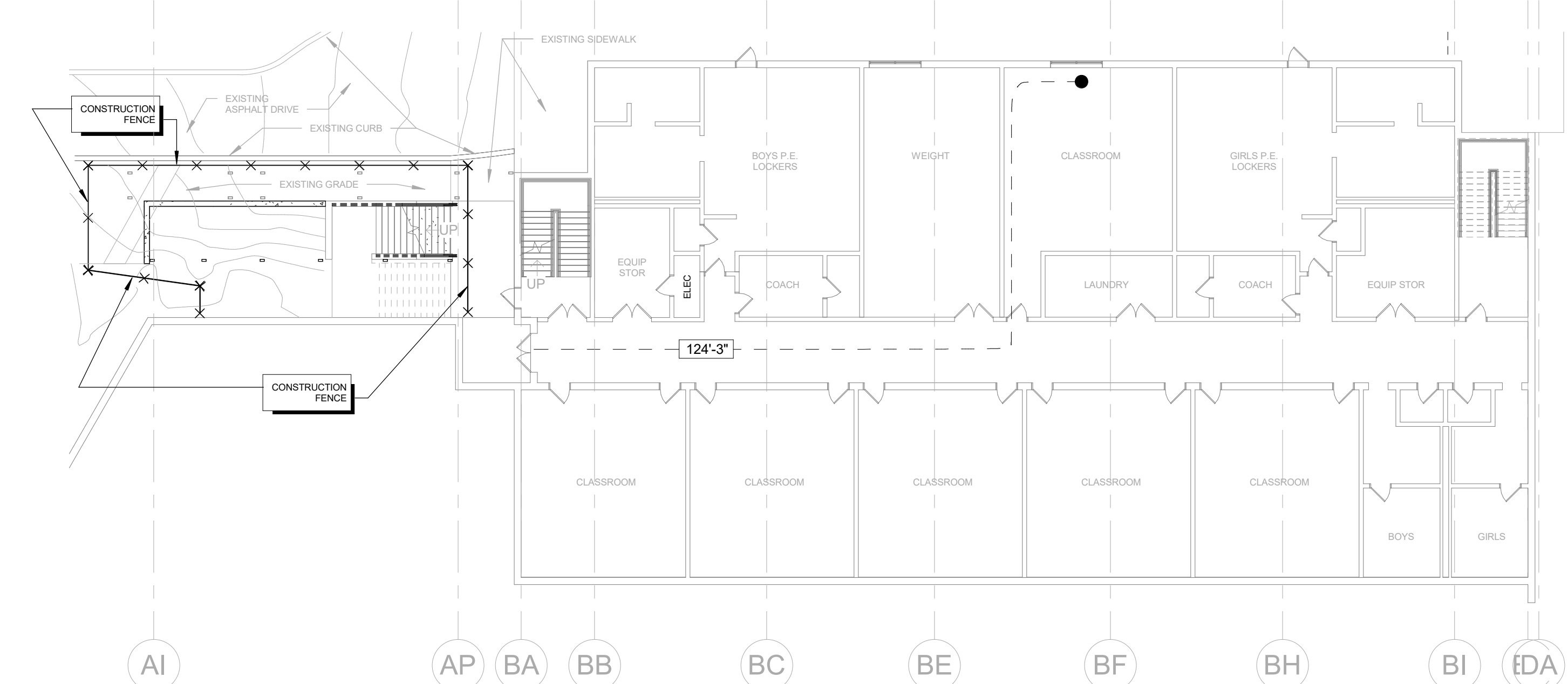
**KEYPLAN**



**C2 LIFE SAFETY PLAN - EXISTING LEVEL 2**  
1/16" = 1'-0"



**B2 LIFE SAFETY PLAN - EXISTING LEVEL 1.5**  
1/16" = 1'-0"



**A2 LIFE SAFETY PLAN - EXISTING LEVEL 1**  
1/16" = 1'-0"

B:\3667201-210535\Fairfield Central HS Renovations\Arch\_Fairfield Central HS Renovation\_2020.rvt  
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**FAIRFIELD  
CENTRAL HS  
RENOVATION**



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REVISIONS:

No.	Description	Date
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PROJECT: 2201-210535  
DATE: 04/12/2022

**LIFE SAFETY  
PLAN LEVEL 3  
DURING  
CONSTRUCTION**

**G-004**

**FINAL DRAWINGS**

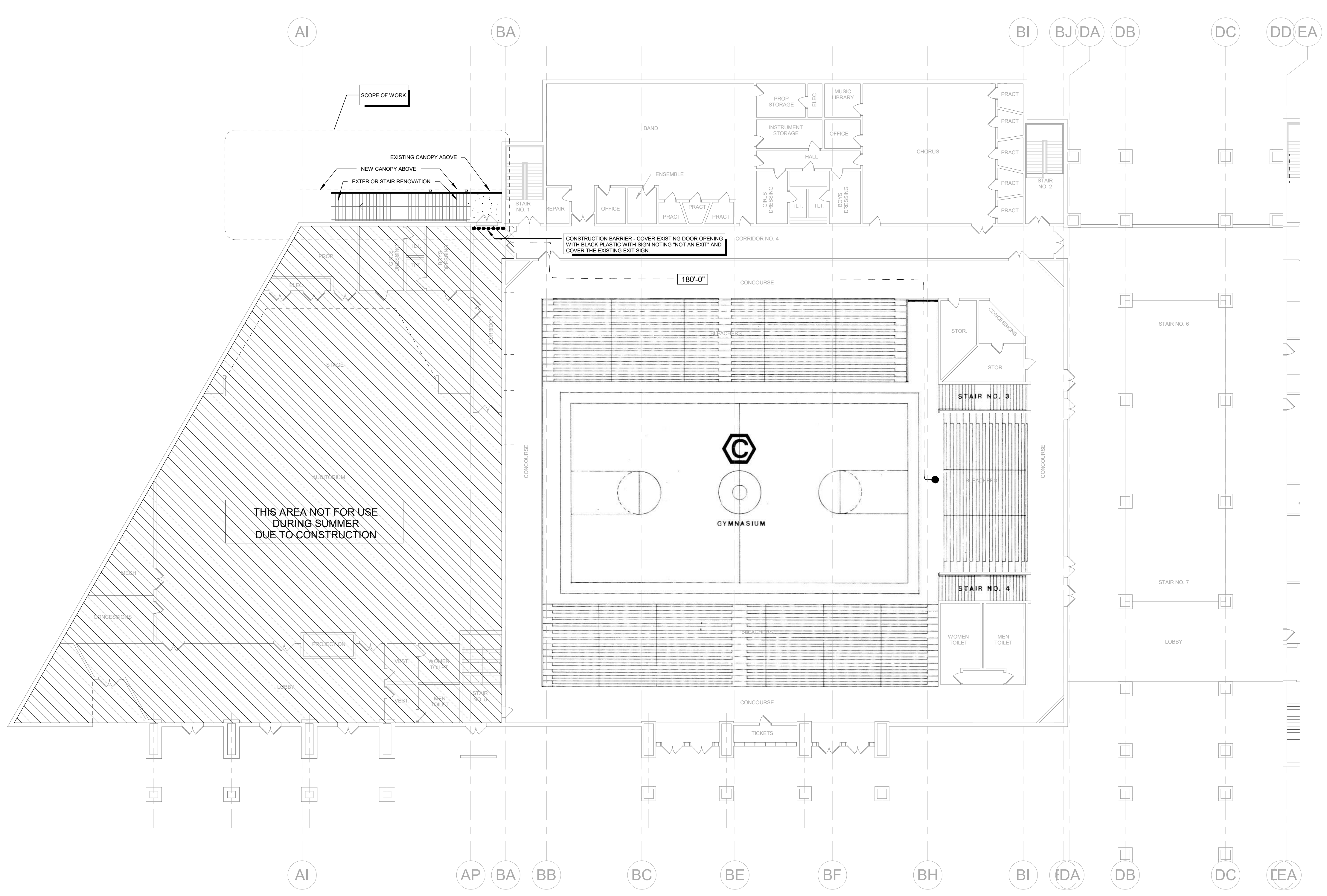
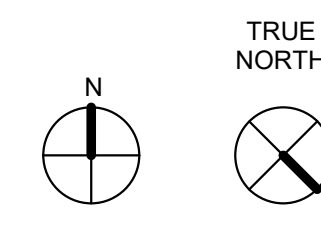
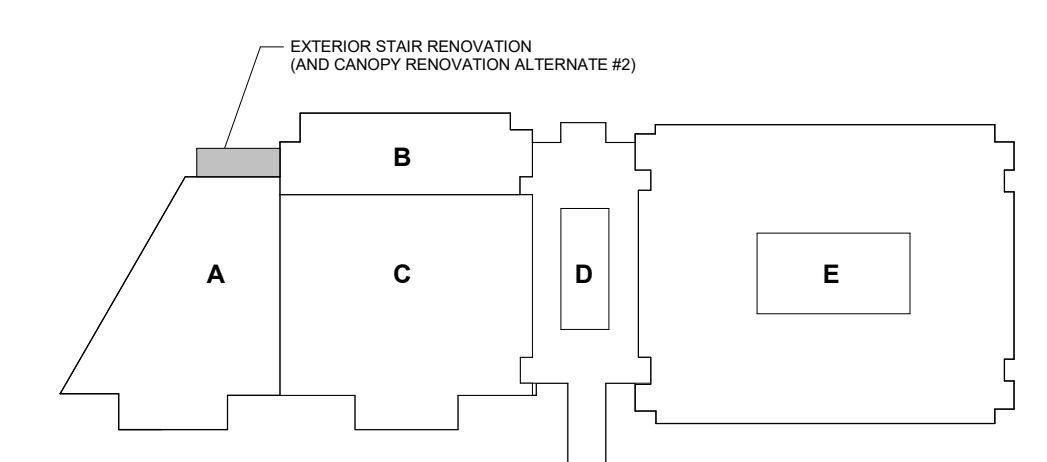
**GENERAL NOTES**

- A. MAINTAIN EGRESS ROUTES AT ALL TIMES. PROVIDE TEMPORARY WALKWAYS WHERE REQUIRED TO MAINTAIN EGRESS ROUTES. PROVIDE TEMPORARY BARRICADES SEPARATING CONSTRUCTION AREAS FROM EGRESS ROUTES. PROVIDE OVERHEAD PROTECTION ALONG ALL PORTIONS OF EGRESS ROUTES WHERE OVERHEAD CONSTRUCTION OCCURS. SEE ALSO SPECIFICATION SECTION 01500.
- B. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH CONSTRUCTION SAFEGUARDS PER IBC CHAPTER 33.

**LIFE SAFETY LEGEND**

- EXISTING
- - - - - TRAVEL DISTANCE (MOST REMOTE SHOWN ONLY)
- X - X - TEMPORARY CONSTRUCTION FENCE - 6' HIGH W/ FABRIC

**KEYPLAN**



**A2 LIFE SAFETY PLAN - EXISTING LEVEL 3**  
1/16" = 1'-0"

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E  
D  
C  
B  
A



LOCATION MAP  
NOT TO SCALE

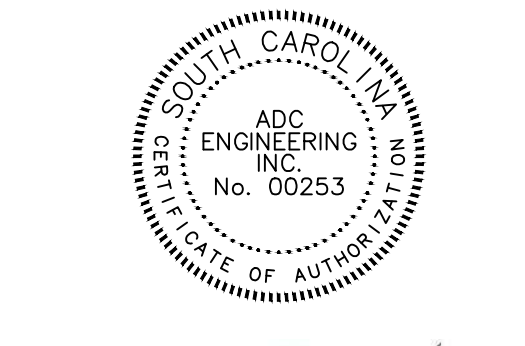
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IRMO, SC 29635  
803.781.3141  
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ADC PROJECT # 21913



**FAIRFIELD CENTRAL HS RENOVATION**



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REVISIONS:

No.	Description	Date

PROJECT: 2201-210535  
DATE: 4/12/2022

**BASEBALL BATTING CAGE - DEMO / SITE PLAN**

**C1.1**

**FINAL DESIGN**

**LEGEND**

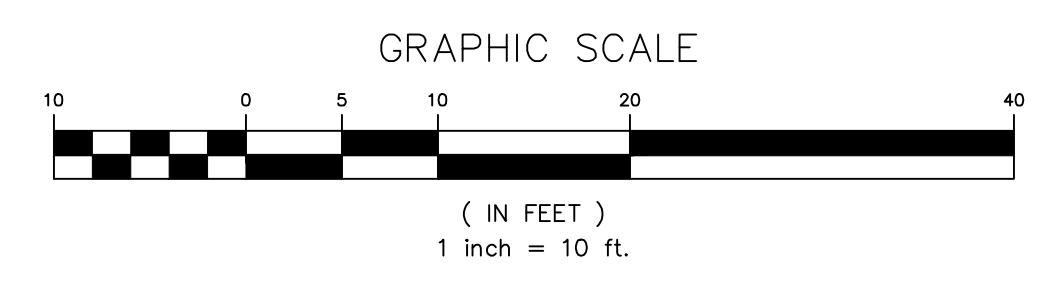
DEMOLITION	EXISTING	DESCRIPTION
N/A		BENCHMARK/CONTROL POINT
N/A		BUILDING
N/A		LIGHT POLE
N/A		CONTOUR
N/A		BATTING CAGE NETTING/POSTS
N/A		CHAIN LINK FENCE
N/A		UNDERGROUND ELECTRIC
N/A		KEY NOTE REFERENCE

**OWNER/ZONING/SITE INFORMATION**

ITEM	DESCRIPTION
TMS #	144-02-002-000
OWNER	TRACIE SWILLEY (PRINCIPAL) FAIRFIELD COUNTY SCHOOL DIST.
OWNER ADDRESS	1226 U.S. HWY 321 BYPASS SOUTH, WINNSBORO, SC 29180
OWNER PHONE	803-635-1441 X. 60501
SITE ADDRESS	836 US 321 BYPASS SOUTH, WINNSBORO, SC 29180
TOTAL ACREAGE	50+
DISTURBED ACREAGE	0.15

- KEY NOTES**
- REMOVE BATTING CAGE NETTING AND ASSOCIATED POSTS COMPLETE.
  - CONTRACTOR TO VERIFY LOCATION (VERTICAL AND HORIZONTAL) OF UNDERGROUND ELECTRIC LINE PRIOR TO CONSTRUCTION ACTIVITIES.

- GENERAL NOTES**
- TOPOGRAPHIC SURVEY WAS COMPLETED BY CAROLINA SURVEYING SERVICES, INC. ON 1/24/22. NO BOUNDARY OR TOPOGRAPHIC SURVEY WAS PERFORMED BY ADC ENGINEERING.
  - ACCORDING TO FEMA FLOOD INSURANCE RATE MAP 45039C0351C, DATED 5/3/2011, THIS PROPERTY IS LOCATED IN FLOOD ZONE "X".
  - THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONSTRUCTION OF ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS.
  - THE CONTRACTOR SHALL NOTIFY PUPS AT 1-888-721-7877 AT LEAST 72 HOURS PRIOR TO CONSTRUCTION TO HAVE ALL UNDERGROUND UTILITIES LOCATED.



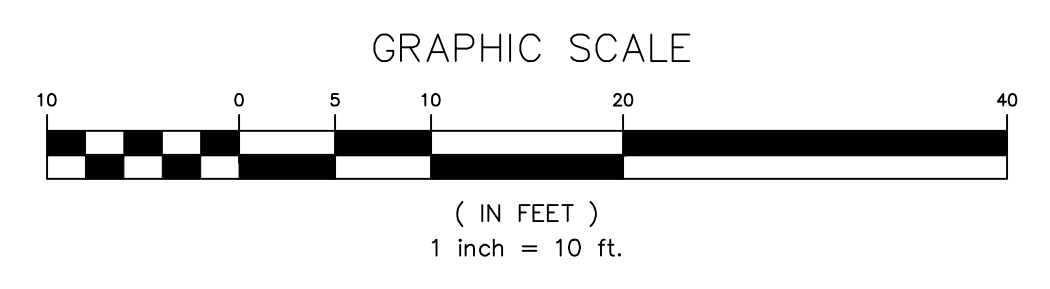
**1** BASEBALL BATTING CAGE DEMO PLAN

**LEGEND**

NEW	EXISTING	DESCRIPTION
N/A		BENCHMARK/CONTROL POINT
		BUILDING
N/A		LIGHT POLE
		STORM DRAIN
	N/A	KEY NOTE REFERENCE

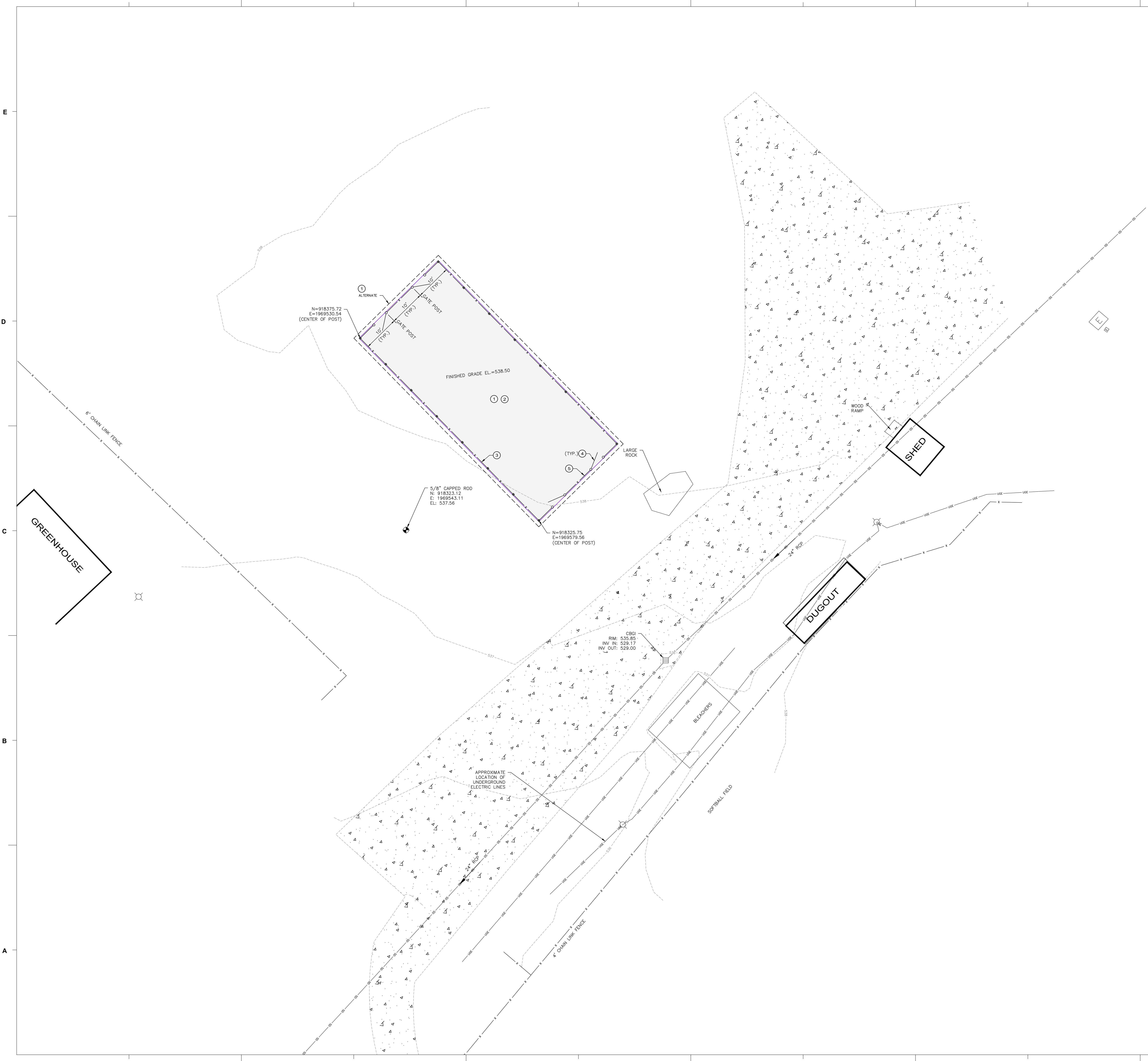
- KEY NOTES**
- SEE ARCHITECTURAL PLANS FOR INFORMATION ON NEW BATTING CAGE INCLUDING PERIMETER BLACK VINYL-COATED CHAIN LINK FENCE AND ADD ALTERNATE FOR CONCRETE PAD WITH SYNTHETIC SURFACE.
  - INSTALL HAND PLACED RIRRAP (2'X5') AT DISCHARGE END OF PIPE.
  - GRADE AREA TO ACCOMMODATE NEW BATTING CAGE AND FINISHED GRADE. EXCESS CUT MATERIAL CAN BE DISPOSED ONSITE. COORDINATE WITH OWNER ON LOCATION.
  - INSTALL DUCTILE IRON PIPE FOR THE LAST 18" OF STORM LINE. CONNECT DIP TO PVC USING FERRECO COUPLER.
  - INSTALL CAST IRON DOWNSPOUT BOOT (J.R. HOE PRODUCT A=34320 OR APPROVED EQUAL) AT CORNER POSTS AND ON CENTRAL POST. CONNECT PVC PIPE TO BOOT USING A FERRECO COUPLER.
  - ADJUST UNDERGROUND ELECTRIC LINE AS NEEDED TO ACCOMMODATE NEW 6" STORM LINE.
  - INSTALL 6" HIGH BLACK VINYL CHAIN LINK FENCE BETWEEN BATTING CAGE POSTS. SEE DETAILS.
  - INSTALL 4' WIDE SWING GATE WITH LOCKING LATCH. SEE DETAILS.
  - INSTALL 6" HIGH BLACK VINYL FENCE WITH METAL FENCE POSTS ON ENDS OF BATTING CAGE. SEE DETAILS.

- GENERAL NOTES**
- ALL DISTURBED AREAS OUTSIDE OF BATTING CAGE LIMITS SHALL BE BACKFILLED WITH 4" OF TOPSOIL AND SEEDED WITH PRINCESS 77 BERMUDA SEED AND FERTILIZED AT MANUFACTURERS RECOMMENDED RATE.



**2** BASEBALL BATTING CAGE SITE PLAN

**FINAL DESIGN**



**ADC**  
ENGINEERING  
ADC PROJECT # 21813



**FAIRFIELD  
CENTRAL HS  
RENOVATION**



LOCATION MAP  
NOT TO SCALE

LEGEND		
DEMOLITION	EXISTING	DESCRIPTION
N/A	⬮	BENCHMARK/CONTROL POINT
N/A	▭	BUILDING
N/A	⊙	LIGHT POLE
N/A	—540—	CONTOUR
N/A	x	CHAIN LINK FENCE
①	N/A	KEY NOTE REFERENCE

**GENERAL NOTES**

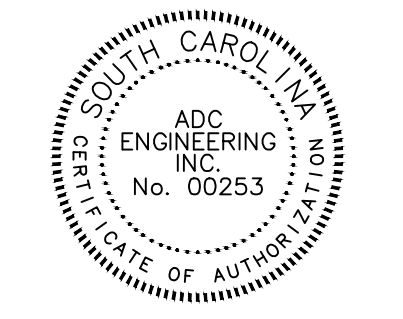
- SEE DRAWING C1.1 FOR ADDITIONAL GENERAL NOTES.
- ALL DISTURBED AREAS OUTSIDE OF BATTING CAGE LIMITS SHALL BE BACKFILLED WITH 4" OF TOPSOIL AND SEEDED WITH PRINCESS 77 BERMUDA SEED AND FERTILIZED AT MANUFACTURERS RECOMMENDED RATE.

**KEY NOTES**

- SEE ARCHITECTURAL PLANS FOR INFORMATION ON NEW BATTING CAGE INCLUDING PERIMETER BLACK VINYL-COATED CHAIN LINK FENCE AND ADD ALTERNATE FOR CONCRETE PAD WITH SYNTHETIC SURFACE.
- GRADE AREA TO ACCOMMODATE NEW BATTING CAGE AND FINISHED GRADE ELEVATION. EXCESS CUT MATERIAL CAN BE DISPOSED ONSITE. COORDINATE WITH OWNER ON LOCATION.
- INSTALL 6" HIGH BLACK VINYL CHAIN LINK FENCE BETWEEN BATTING CAGE POSTS. SEE DETAILS.
- INSTALL 4" WIDE SWING GATE WITH LOCKING LATCH. SEE DETAILS.
- INSTALL 6" HIGH BLACK VINYL FENCE WITH METAL FENCE POSTS ON ENDS OF BATTING CAGE. SEE DETAILS.

**LS3P**

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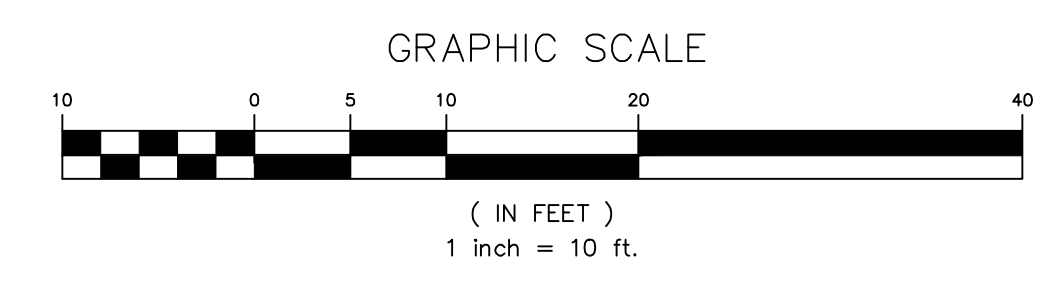


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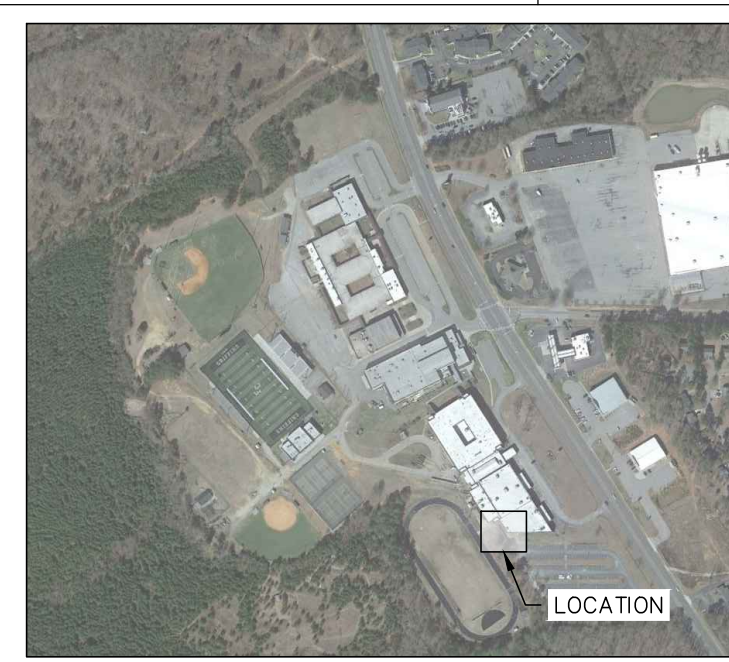
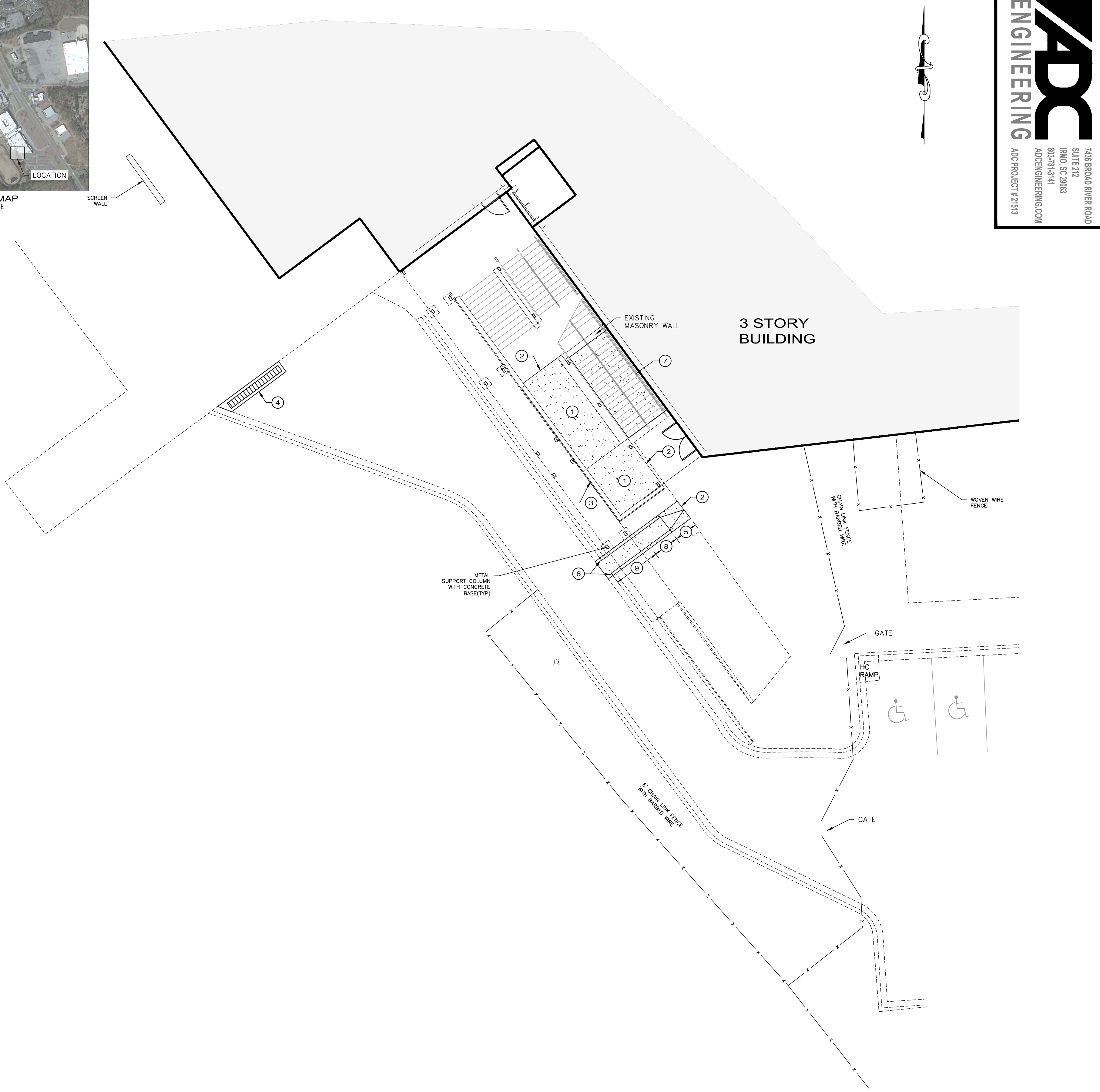
PROJECT: 2201-210535  
DATE: 4/12/2022



**SOFTBALL  
BATTING CAGE -  
SITE PLAN**

**C2.1**

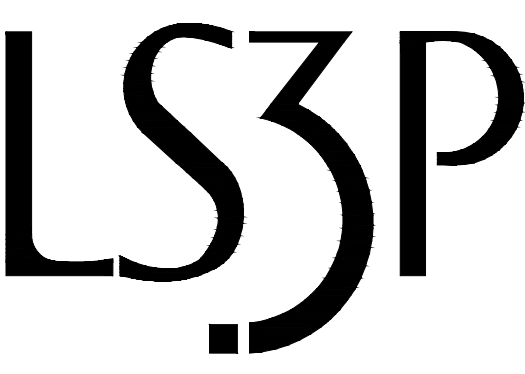
**FINAL DESIGN**



**ADC ENGINEERING**  
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 ADCENGINEERING.COM  
 ADC PROJECT # 21053



**FAIRFIELD CENTRAL HS RENOVATION**



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Professional Engineer Seal for South Carolina, No. 00253, dated 4/12/2022.

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REVISIONS:

No.	Description	Date

PROJECT: 2201-210535  
 DATE: 4/12/2022

**AUDITORIUM EXTERIOR STEP IMPROVEMENTS - EXISTING CONDITIONS AND DEMOLITION / STAKING PLAN**  
**C3.1**

**LEGEND**

DEMOLITION	EXISTING	DESCRIPTION
N/A	⊕	BENCHMARK/CONTROL POINT
N/A	—	PROPERTY LINE
N/A	▭	BUILDING
N/A	⊙	LIGHT POLE
▨	▨	BITUMINOUS SURFACE
▩	▩	CONCRETE SURFACE
▧	▧	CROSSSTIE STEPS
N/A	—	CONTOUR
N/A	—	CHAIN LINK FENCE
N/A	⊕	WATER VALVE
N/A	⊕	SANITARY SEWER CLEANOUT
N/A	⊕	STORM DRAIN LINE w/STRUCTURE
①	N/A	KEY NOTE REFERENCE

- KEY NOTES**
- REMOVE RAILROAD CROSSSTIE STEPS COMPLETE.
  - COORDINATE WITH STRUCTURAL AND ARCHITECTURAL PLANS FOR SELECTIVE DEMOLITION OF EXISTING CURBS TO ALLOW CONSTRUCTION OF NEW SIDEWALK CONNECTION.
  - SAWCUT AND REMOVE ASPHALT PAVEMENT TO ALLOW INSTALLATION OF NEW TRENCH DRAIN AND DRAIN LINE CONNECTION TO EXISTING STRUCTURE. COORDINATE WITH DRAWING C3.2.
  - REMOVE CONCRETE DRAINAGE FLUME FROM SIDEWALK EDGE TO BACK OF CURB.
  - SAWCUT AND REMOVE CURB AND GUTTER SECTION TO ALLOW CONNECTION OF NEW FLUME.
  - SAWCUT AND REMOVE ROUGH EDGE OF CONCRETE AT STAIR LANDING TO PROVIDE CLEAN EDGE FOR NEW CONCRETE POUR. SEE 2/C3.1.

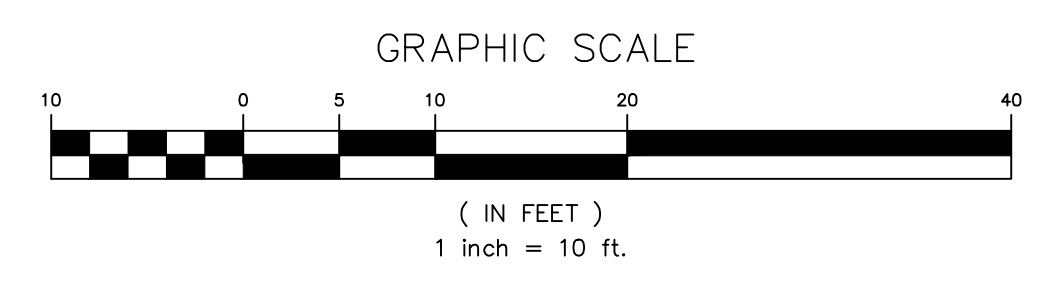
- GENERAL NOTES**
- TOPOGRAPHIC SURVEY WAS COMPLETED BY CAROLINA SURVEYING SERVICES INC. ON 1/24/22. NO BOUNDARY OR TOPOGRAPHIC SURVEY WAS PERFORMED BY ADC ENGINEERING.
  - ACCORDING TO FEMA FLOOD INSURANCE RATE MAP 45039C0351C, DATED 5/3/2011, THIS PROPERTY IS LOCATED IN FLOOD ZONE "X".
  - THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONSTRUCTION OF ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS.
  - THE CONTRACTOR SHALL NOTIFY PUPS AT 1-888-721-7877 AT LEAST 72 HOURS PRIOR TO CONSTRUCTION TO HAVE ALL UNDERGROUND UTILITIES LOCATED.

**LEGEND**

NEW	EXISTING	DESCRIPTION
N/A	⊕	BENCHMARK/CONTROL POINT
N/A	▭	BUILDING
N/A	⊙	LIGHT POLE
N/A	—	CHAIN LINK FENCE
▩	▩	CONCRETE
①	N/A	KEY NOTE REFERENCE

- GENERAL NOTES**
- SEE 1/C3.1 FOR ADDITIONAL GENERAL NOTES.

- KEY NOTES**
- NEW CONCRETE SIDEWALK. SEE ARCHITECTURAL AND STRUCTURAL PLANS FOR DETAILED INFORMATION.
  - POUR NEW CONCRETE FLUSH WITH EXISTING. INSTALL BITUMINOUS EXPANSION MATERIAL AT JOINT.
  - RETAINING WALL. SEE ARCHITECTURAL AND STRUCTURAL PLANS FOR DETAILED INFORMATION.
  - NEW TRENCH DRAIN. SEE DRAWING C3.1.
  - TRANSITION FROM CONCRETE VALLEY SWALE, MATCHING EXISTING CONCRETE SECTION AT SIDEWALK, TO CURBED FLUME SECTION OVER 4' RUN. SEE CURBED FLUME DETAIL.
  - CONNECT NEW FLUME CURBS TO DRIVEWAY CURB AND POUR GUTTER FLUSH WITH ASPHALT PAVEMENT AND EXISTING GUTTER.
  - POUR CONCRETE PAD UNDER EXISTING STAIRS. INSTALL BITUMINOUS EXPANSION MATERIAL ON ALL FOUR SIDES AND POUR CONCRETE BOUNDED BY MASONRY SUPPORT WALL, BUILDING WALL, STAIR LANDING, AND NEW CONCRETE CURB ALONG SIDEWALK. POUR CONCRETE FLUSH WITH TOP OF CURB SLOPED FROM CURB UP 1.0% TO BUILDING WALL FOR POSITIVE DRAINAGE. SEE ARCHITECTURAL PLANS FOR SECTION.
  - TAPER CURB FROM 6" ON EASTERN END TO 10" WHERE NEW 6" STORM DRAIN DISCHARGES THROUGH SIDE. SEE DRAWING C3.2.
  - TAPER CURB FROM 10" AT PIPE (SEE NOTE 8) TO 6" AT EXISTING CURB ALONG DRIVE.



1 C3.1 AUDITORIUM EXTERIOR STEP IMPROVEMENTS - EXISTING CONDITIONS / DEMOLITION PLAN 1"=10'

2 C3.1 AUDITORIUM EXTERIOR STEP IMPROVEMENTS - STAKING 1"=10'

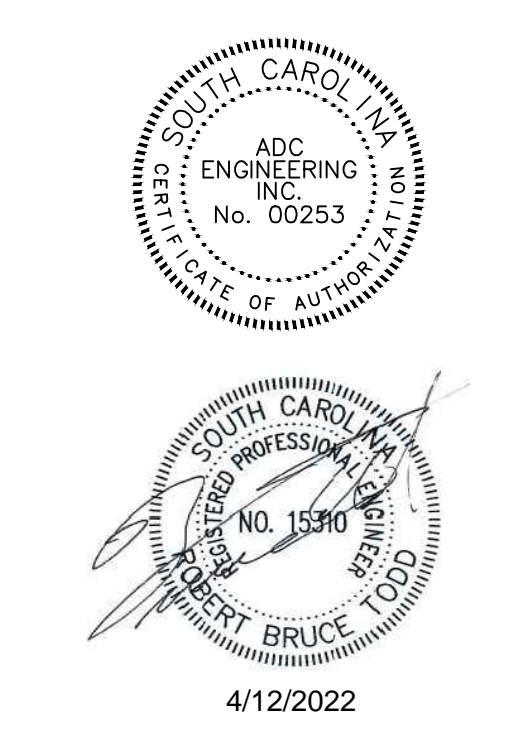


LOCATION MAP  
NOT TO SCALE

NEW	EXISTING	DESCRIPTION
N/A		BENCHMARK/CONTROL POINT
N/A		PROPERTY LINE
N/A		BUILDING LINE
		CONTOUR SPOT ELEVATION
N/A		FIRE HYDRANT
N/A		LIGHT POLE
N/A		WATER VALVE
N/A		WATER MAIN/SERVICE
N/A		STORM DRAIN LINE w/STRUCTURE
N/A		SANITARY SEWER CLEANOUT
	N/A	KEY NOTE REFERENCE

**GENERAL NOTES**  
1. SEE SHEET C1.1 FOR ADDITIONAL GENERAL NOTES.

- KEY NOTES**
- POUR NEW CONCRETE SIDEWALK FLUSH WITH EXISTING ELEVATION.
  - POUR NEW CONCRETE DRAINAGE FLUME FLUSH WITH EXISTING SIDEWALK MATCHING PROFILE.
  - BOTTOM OF FLUME TO BE POURED FLUSH WITH EXISTING GUTTER ELEVATION.
  - INSTALL ACO TRENCH DRAIN S300K SLOPED CHANNEL UNITS 38 (WESTERN END) THROUGH 40 (EASTERN END). CONNECT 8" PVC (SCH 40) DISCHARGE PIPE TO BOTTOM KNOCK OUT CONNECTION ON UNIT 40 AS PER TRENCH DRAIN MANUFACTURERS RECOMMENDATION AND EXTEND TO EXISTING DRAINAGE STRUCTURE ON A MINIMUM 1.0% SLOPE. CONTACT JOHN WOLSTENHOLME AT 980-244-1748 PRIOR TO MATERIAL PURCHASE AND INSTALLATION.
  - CORE DRILL STRUCTURE TO ALLOW INSTALLATION OF NEW 8" PVC STORM DRAIN.
  - INSTALL GRATE ELEVATION 1" LOWER THAN ADJOINING CONCRETE SLAB.
  - FINISHED GRADE ON WESTERN SIDE OF RETAINING WALL TO MATCH EXISTING GRADE.
  - ADJUST UNDERGROUND ELECTRIC OR 8" STORM DRAIN AS NEEDED TO AVOID CONFLICT.
  - INSTALL ZURN MODEL 2575 CURB DRAIN (SEE DETAIL) STARTING 8" FROM CONNECTION TO EXISTING CONCRETE. INSTALL 4" DRAIN LINE VERTICALLY FROM BOTTOM OF CURB DRAIN AND TEE INTO 6" PVC (SCH 40) MANIFOLD.
  - EXTEND 6" PVC (SCH 40) PIPE THROUGH CURB WALL CUTTING PIPE FLUSH WITH WALL.
  - CONNECT 4" PVC (SCH 40) DRAIN LINE FROM COLUMN DISCHARGE TO 6" MANIFOLD. CONNECT 4" PVC TO 6" MANIFOLD WITH A WYE FITTING.



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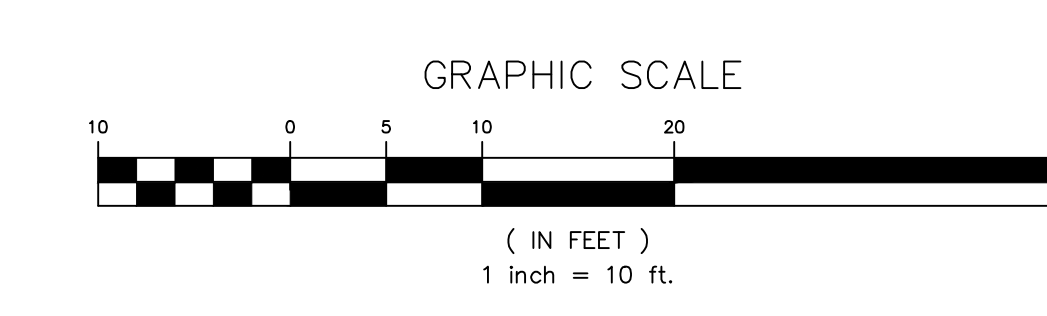
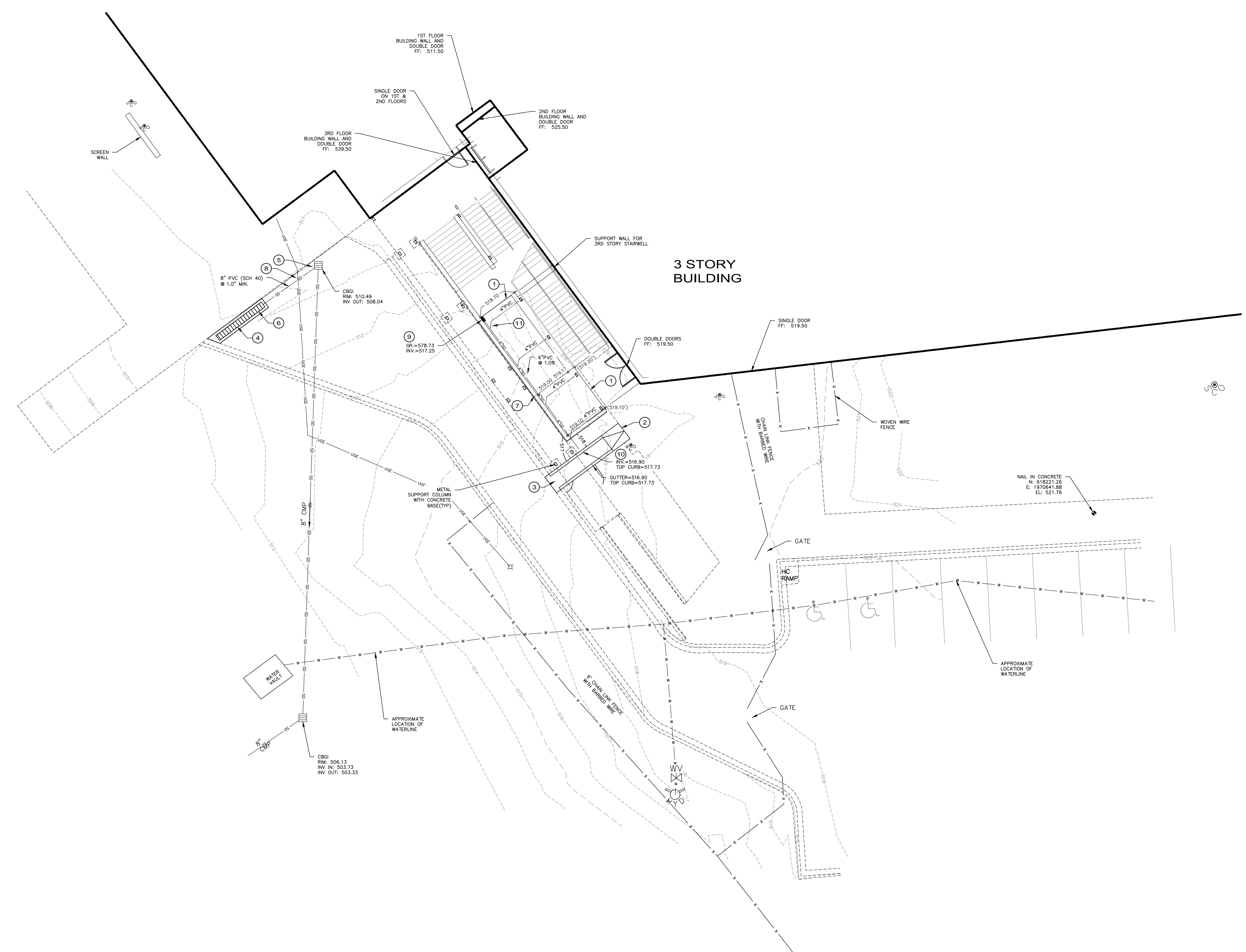
**REVISIONS:**

No.	Description	Date

PROJECT: 2201-210535  
DATE: 4/12/2022

AUDITORIUM  
EXTERIOR STEP  
IMPROVEMENTS -  
GRADING PLAN

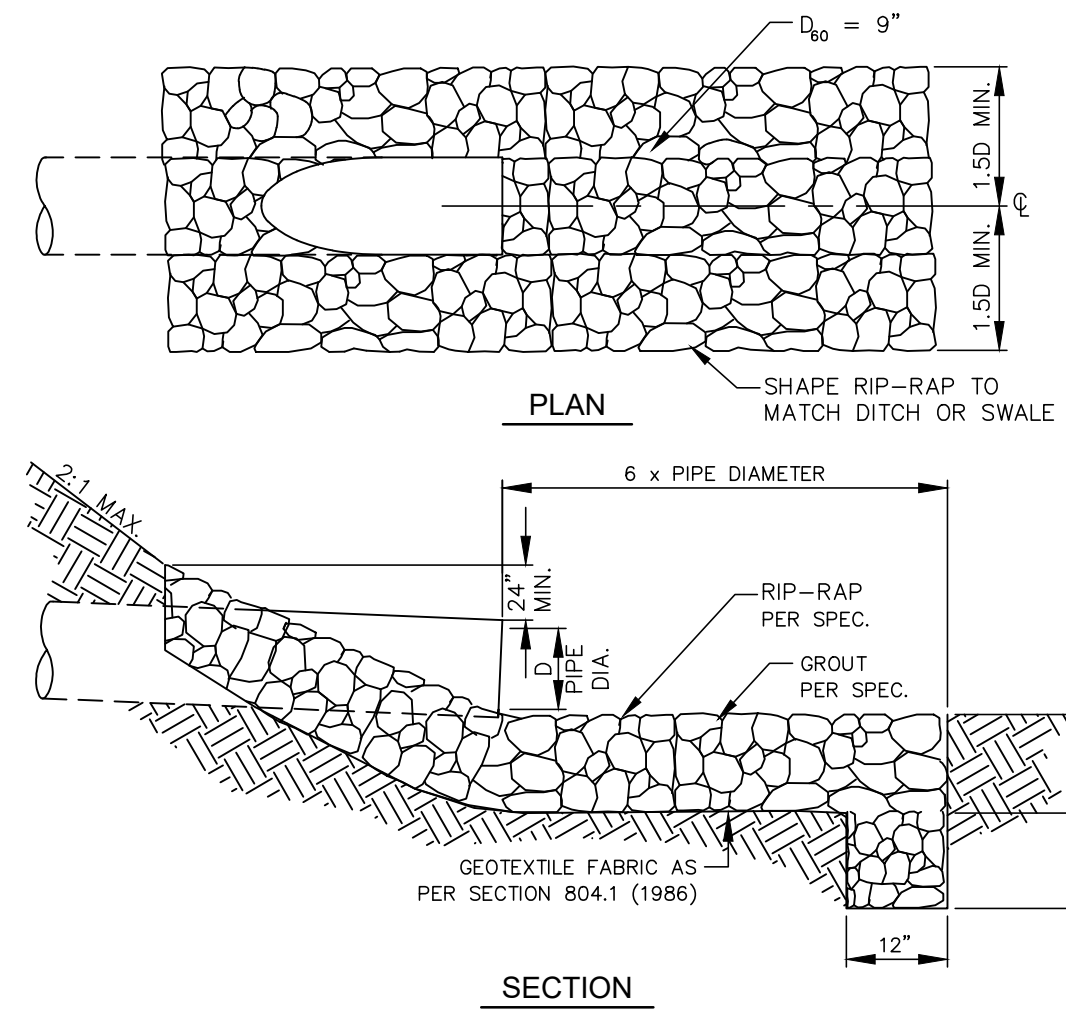
C3.2



E  
D  
C  
B  
A

1 2 3 4 5 6

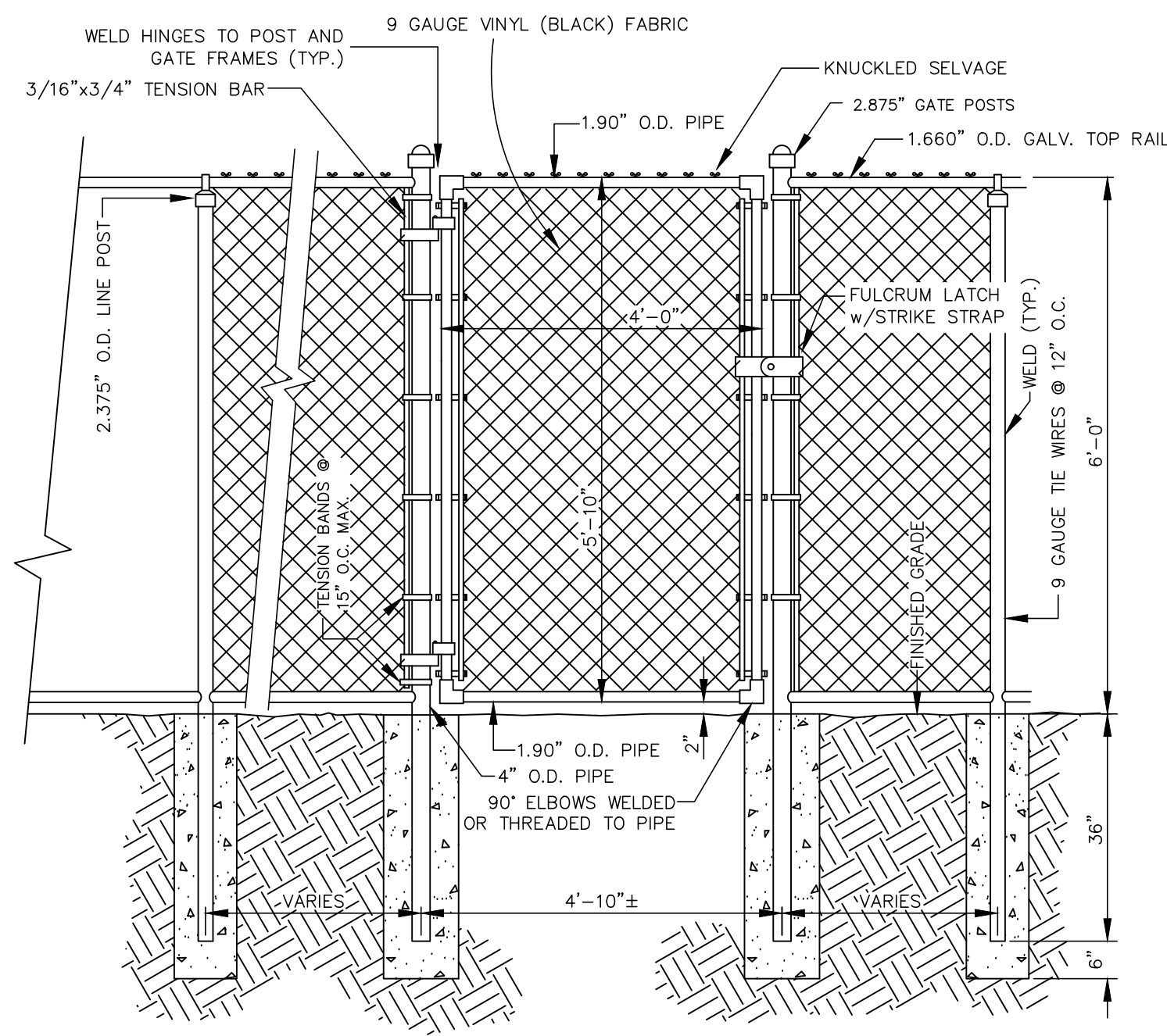
E



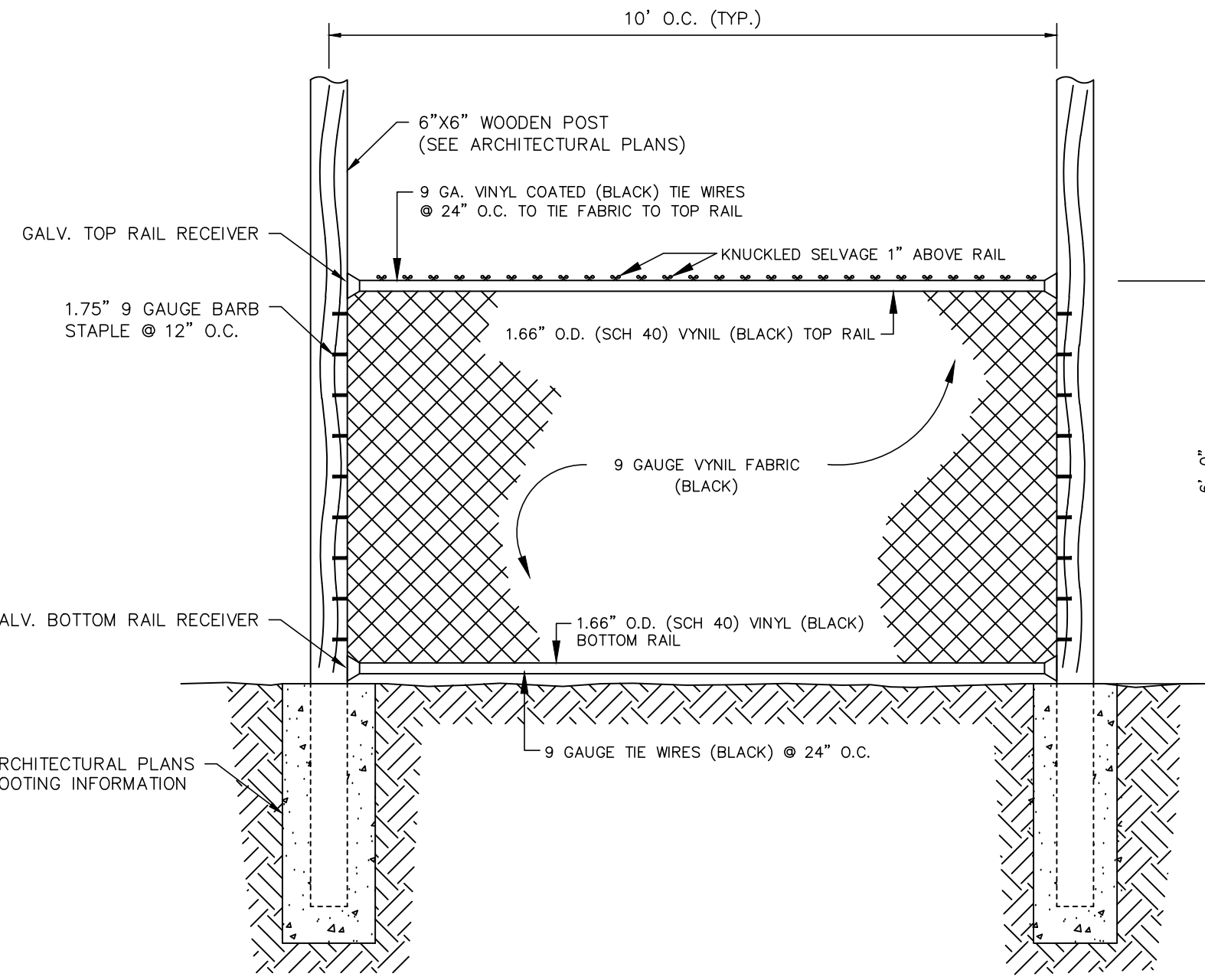
- NOTES:
1. WHEN PIPE EMPTIES INTO A DITCH OR SWALE, THE RIP-RAP WILL TAKE THE SHAPE OF THE DITCH OR SWALE.
  2. MINIMUM DESIGN SHOULD EQUAL SOUTH CAROLINA DEPARTMENT OF HIGHWAYS AND PUBLIC TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 1986 EDITION, SECTION 804.

1 RIP-RAP HEADWALL DETAIL  
NOT TO SCALE

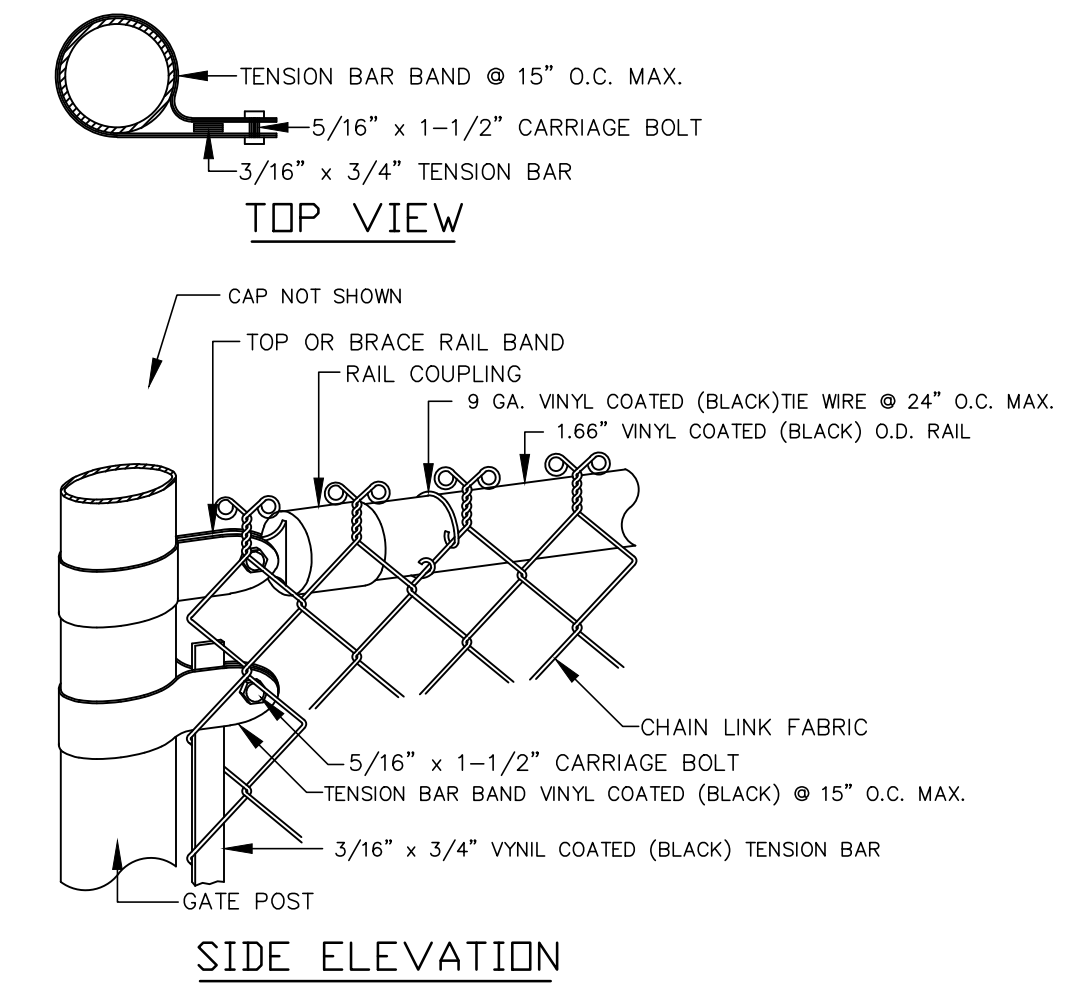
D



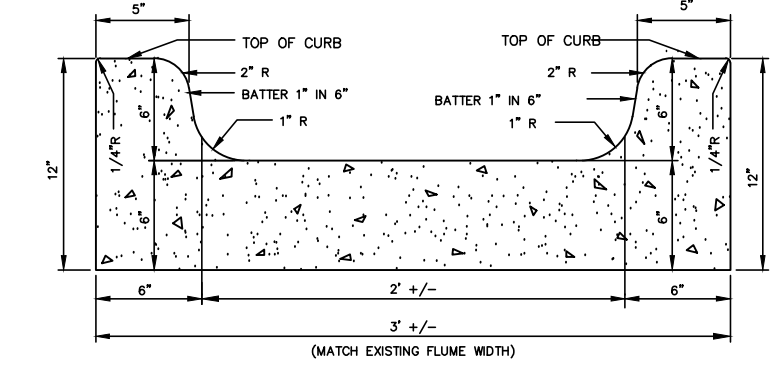
2 CHAIN LINK FENCE AND GATE AT BATTING CAGE ENDS  
NOT TO SCALE



3 6' CHAIN LINK FENCE  
NOT TO SCALE

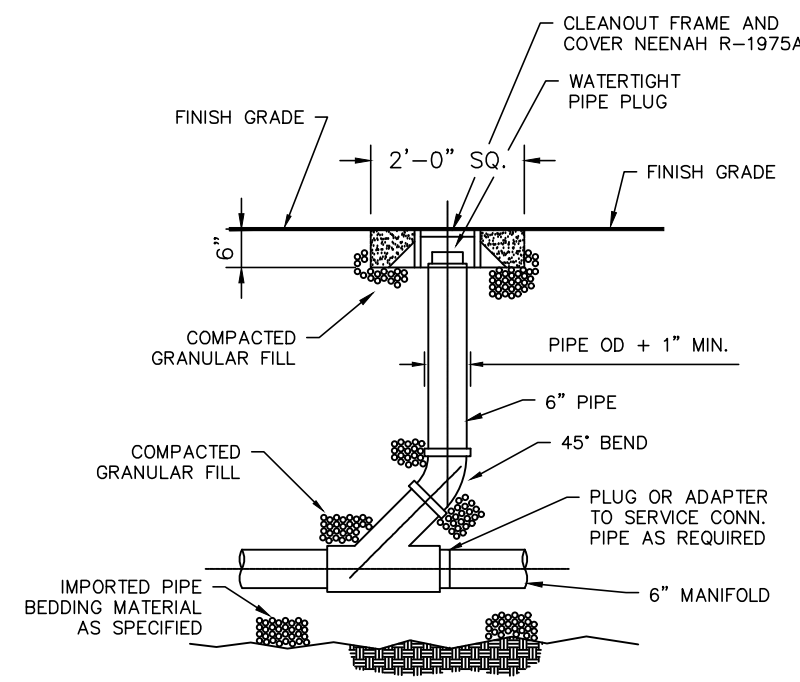


4 FENCE CONNECTIONS  
NOT TO SCALE



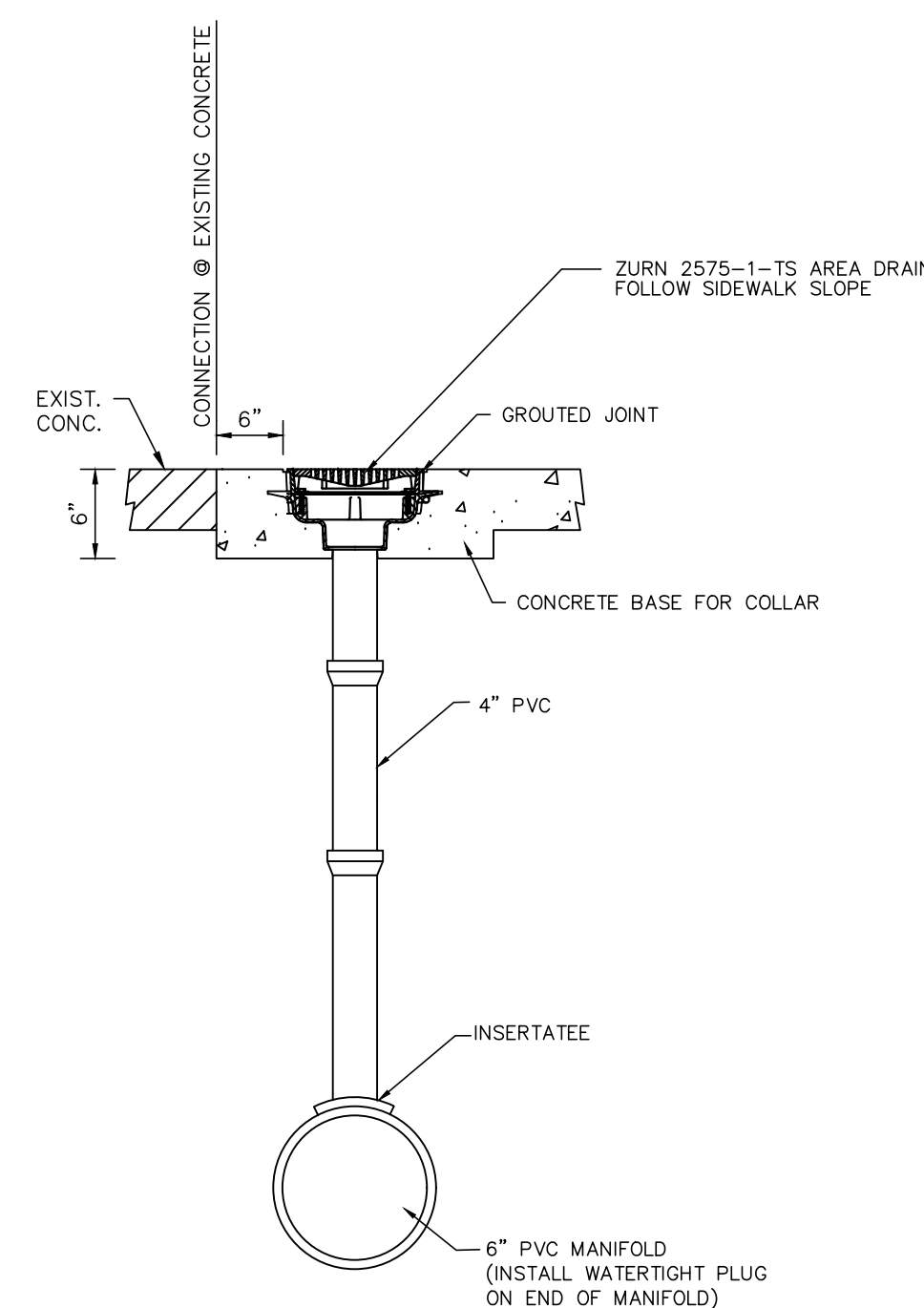
5 CONCRETE FLUME  
NOT TO SCALE

C



6 CLEANOUT  
NOT TO SCALE

B



7 ZURN Z575 AREA DRAIN  
NOT TO SCALE

A

	INSTALLATION DRAWING	ACO Polymer Products Inc. P.O. Box 245 Chardon, OH 44024 PH: 440-285-7000 FX: 440-285-8517 e-mail: sales@acousa.com
	DRWG# 1429 Date: 08.23.01 WWW.ACOUSA.COM	S300K: Load Class A-C : Concrete Finish

NOTES:

1. It is necessary to ensure the minimum dimensions shown are suitable for the existing ground conditions. Engineering advice may be required.
2. Expansion and crack control joints are recommended to protect the channel and the concrete surround. Engineering advice may be required.
3. The finished level of the concrete surround must be approx. 1/8" above the top of the channel edge.
4. Refer to ACO'S latest installation instructions for complete details.

	SPECIFICATION CLAUSE	ACO Polymer Products Inc. P.O. Box 245 Chardon, OH 44024 PH: 440-285-7000 FX: 440-285-8517 e-mail: sales@acousa.com
	DRWG# 1429 Date: 08.23.01 WWW.ACOUSA.COM	S300K Trench Drain System

The surface drainage system shall be polymer concrete S300K channel system with ductile iron rail and grate as manufactured by ACO Polymer Products, Inc., Chardon, Oh.

Channels will be manufactured from polyester resin polymer concrete with an integrally cast in ductile iron rail and supplied with ductile iron grates.

The system shall be 12 inches (300mm) nominal inside width with a 14.1 in. (360mm) overall width and a built-in slope of 0.6%. All channels shall be interlocking with a male/female joint. Each channel shall have a 6 in. (171mm) and 8 in. (218mm) schedule 40 drill-out on the bottom for vertical connection with underground piping.

The complete drainage system shall be by ACO Polymer Products, Inc. Any deviation or partial system design and/or improper installation will void any and all warranties provided by ACO Polymer Products, Inc.

The channel system shall be independently certified to withstand loadings to load class F (DIN19580). Grates shall be secured using "Powerlok" Ballless locking system. Grate and Locking system shall be fully removable from channel.

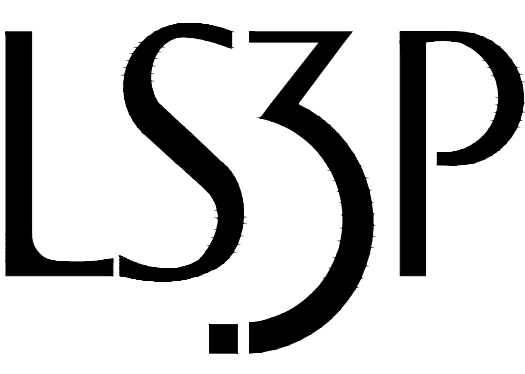
Polymer Concrete shall have material properties of: compressive strength range between 14,000-14,500 psi; flexural strength between 3600-4500 psi; tensile strength of 1500 psi. The material water absorption rate shall not exceed 0.1% by weight and shall be resistant to prolonged salt exposure, repetitive frost cycles and chemically resistant to dilute acids and alkalis.

The system shall be installed in accordance with the manufacturer's instructions and recommendations.

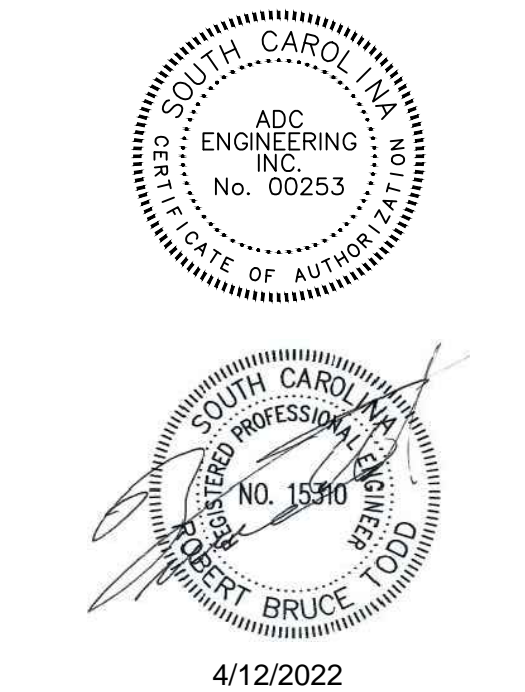
8 TRENCH DRAIN  
NOT TO SCALE



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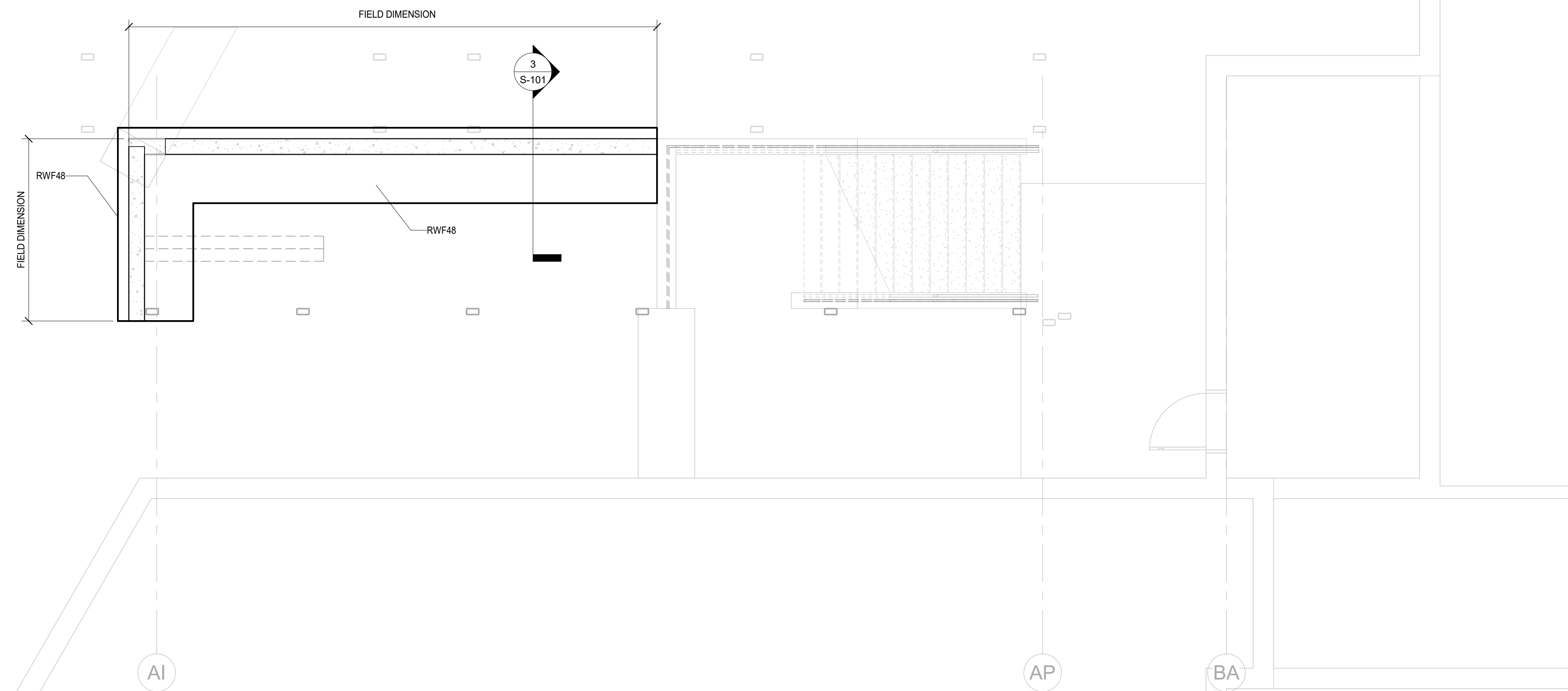
No.	Description	Date
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PROJECT: 2201-210535  
DATE: 4/12/2022

DETAILS  
C4.1

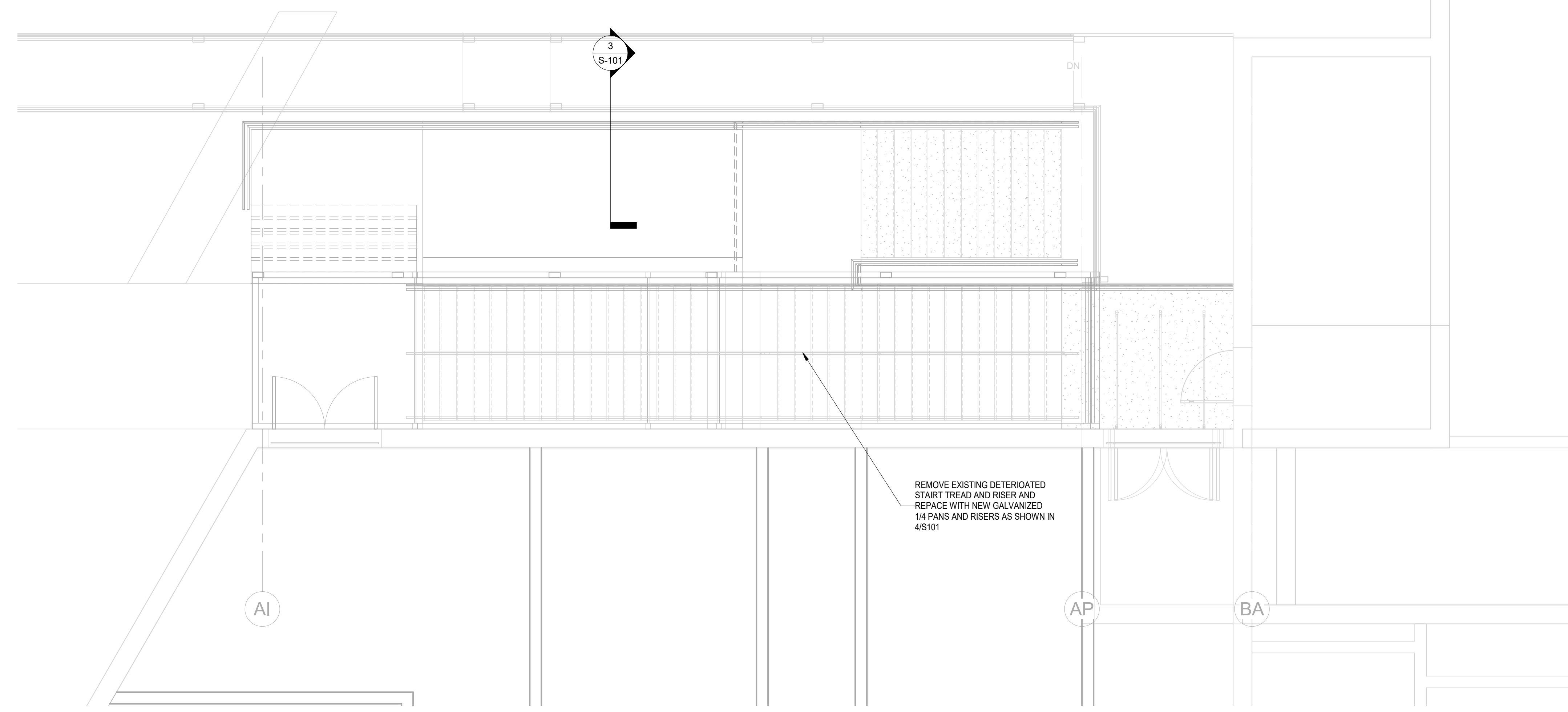
FINAL DESIGN



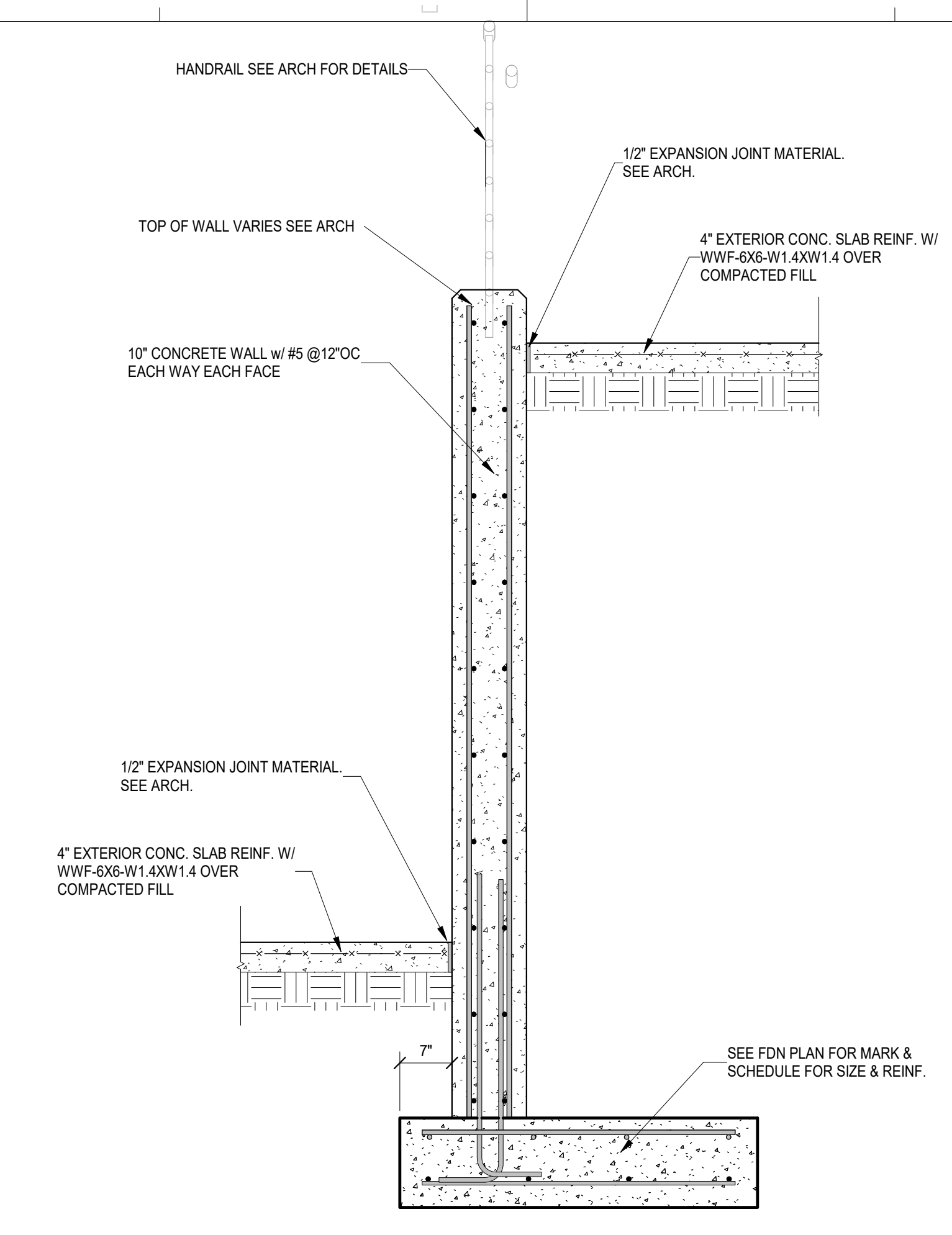


**1 FOUNDATION PLAN - STAIR**  
S-101 1/4" = 1'-0"

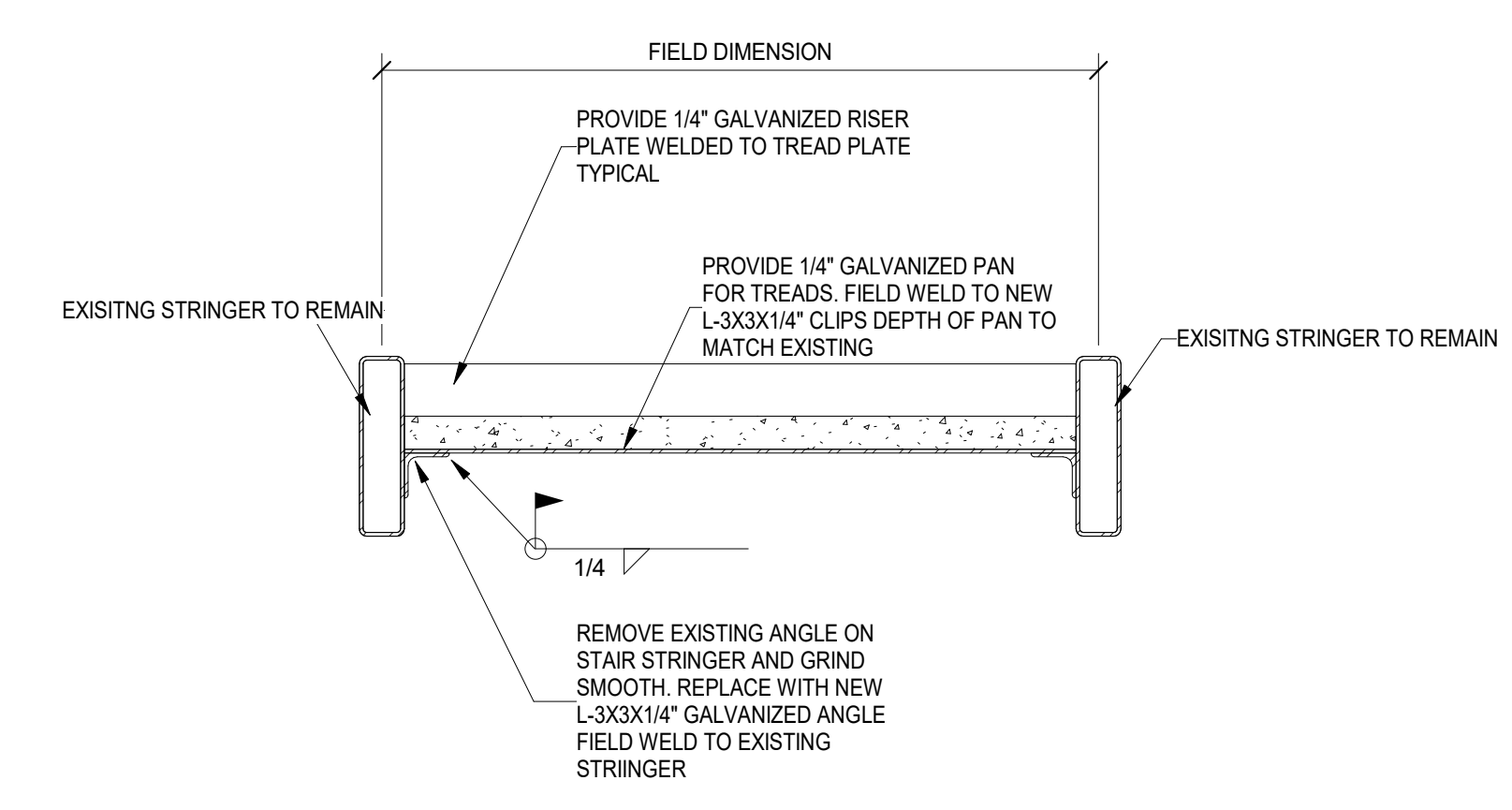
FOOTING SCHEDULE			
MARK	SIZE	THICKNESS	REINFORCING EACH WAY
WF40	4'-6" CONT.	12"	4 #5 CONT EACH WAY TOP & BOT.



**2 STAIR PLAN**  
S-101 1/4" = 1'-0"

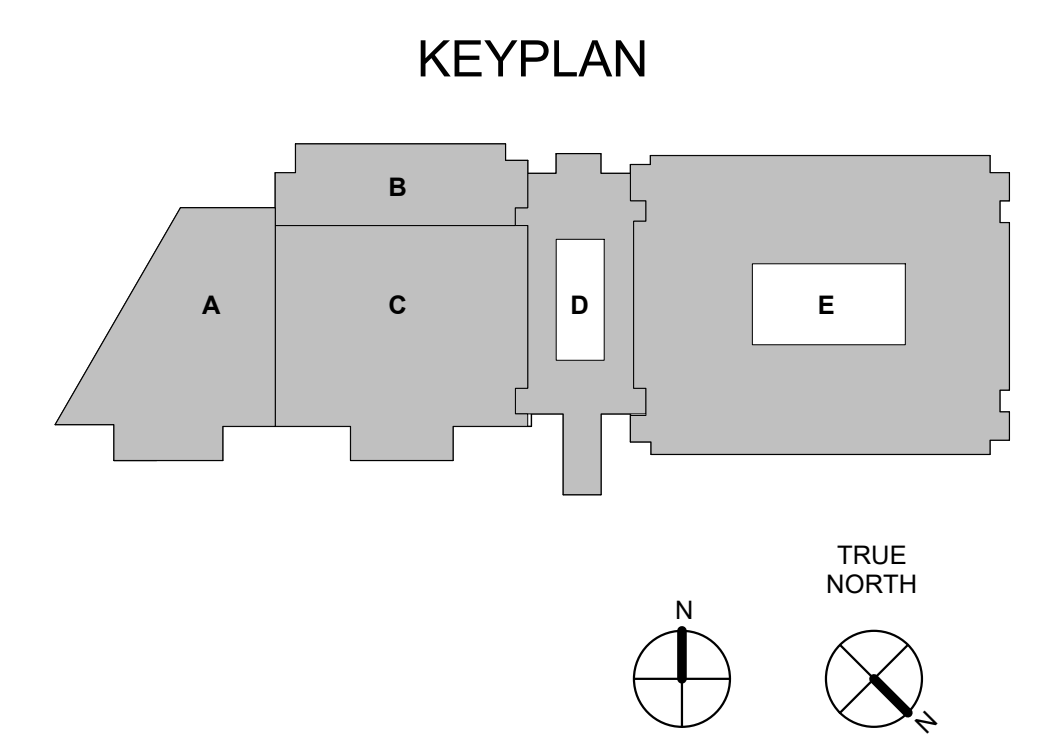


**3 SECTION**  
S-101 3/4" = 1'-0"



**4 STAIR REPAIR DETAIL**  
S-101 1" = 1'-0"

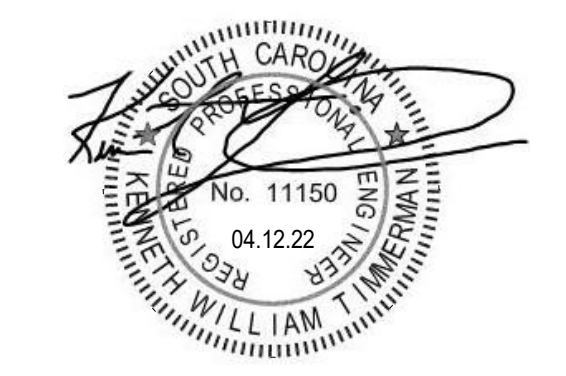
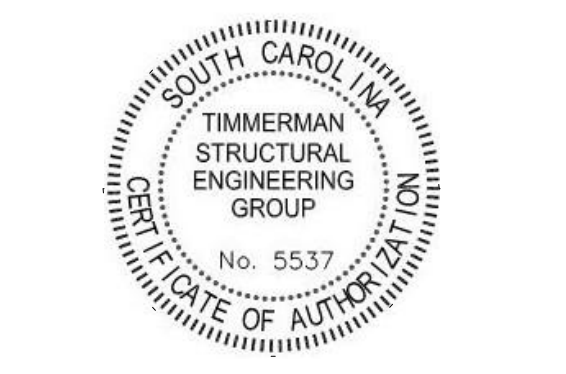
- GENERAL NOTES
- IN CASE OF DISCREPANCY BETWEEN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS, CONSULT WITH THE ARCHITECT. FOR DIMENSIONS AND DETAILS NOT SHOWN, SEE THE ARCHITECTURAL DRAWINGS. VERIFY ALL MECHANICAL OPENINGS AND SUPPORTS WITH THE MECHANICAL EQUIPMENT. FIELD VERIFY ALL DIMENSIONS AND CONDITIONS RELATED TO EXISTING CONSTRUCTION.
  - DESIGN CRITERIA
    - BUILDING CODE: 2018 INTERNATIONAL BUILDING CODE
    - RISK CATEGORY: III
    - SEISMIC DESIGN DATA:
      - IMPORTANCE FACTOR: 1.25
      - $S_a = 0.329$   $S_1 = 0.106$
      - $S_D = 0.337$   $S_0 = 0.168$
      - ASSUMED SITE CLASS D, SEISMIC DESIGN CATEGORY C
    - WIND VELOCITY 122 MPH, EXPOSURE C.
    - ROOF LIVE LOAD: 20 PSF
    - GROUND SNOW LOAD: 10 PSF
  - FOUNDATION DESIGN IS BASED ON THE ASSUMED ALLOWABLE BEARING PRESSURE LISTED BELOW. CONTRACTOR SHALL HIRE AN INDEPENDENT TESTING LABORATORY, ACCEPTABLE TO THE ARCHITECT, TO VERIFY THE ALLOWABLE BEARING PRESSURE BEFORE FOOTINGS ARE CONSTRUCTED OR REINFORCING IS FABRICATED.
    - ASSUMED ALLOWABLE BEARING PRESSURE = 2500 PSF
    - STEP FOOTINGS AS REQUIRED TO LET UTILITIES PASS OVER FOOTINGS.
  - CONCRETE: 28-DAY COMPRESSIVE STRENGTHS SHALL BE AS FOLLOWS:
    - ALL CONCRETE: 3000 PSI, NORMAL WEIGHT
  - CONCRETE REINFORCING STEEL
    - ASTM A615, GRADE 60, EXCEPT WHERE REINFORCING IS SHOWN TO BE WELDED, USE ASTM A706 WELDABLE REINFORCING. DO NOT WELD OR TACK WELD ANY REINFORCING NOT SHOWN ON THE DRAWINGS TO BE WELDED.
    - DETAIL IN ACCORDANCE WITH ACI DETAILING MANUAL, LATEST EDITION.
    - LAP ALL BARS WITH CLASS B SPLICES UNLESS NOTED OTHERWISE.
    - PROVIDE CORNER BARS OF SAME SIZE AND SPACING AS HORIZONTAL REINFORCING AT ALL WALLS AND FOOTING INTERSECTIONS. LAP WITH CLASS B SPLICES.
  - STRUCTURAL STEEL
    - MATERIALS:
      - PIPE: ASTM A53, GRADE B
      - TUBE: ASTM A500, GRADE C
      - WIDE FLANGES AND TEES: ASTM A992, GRADE 50
      - OTHER: ASTM A36
    - FABRICATION SHALL BE IN ACCORDANCE WITH AISC SPECIFICATIONS.
    - BOLTED CONNECTIONS: ASTM A325, 3/4" DIAMETER, SNUG-TIGHTENED, BEARING TYPE CONNECTIONS WITH THREADS IN THE SHEAR PLANE UNLESS NOTED OTHERWISE.
    - WELDED CONNECTIONS: E70XX ELECTRODES. ELECTRODES USED FOR WELDING A992 STEEL SHALL BE LOW HYDROGEN ELECTRODES.



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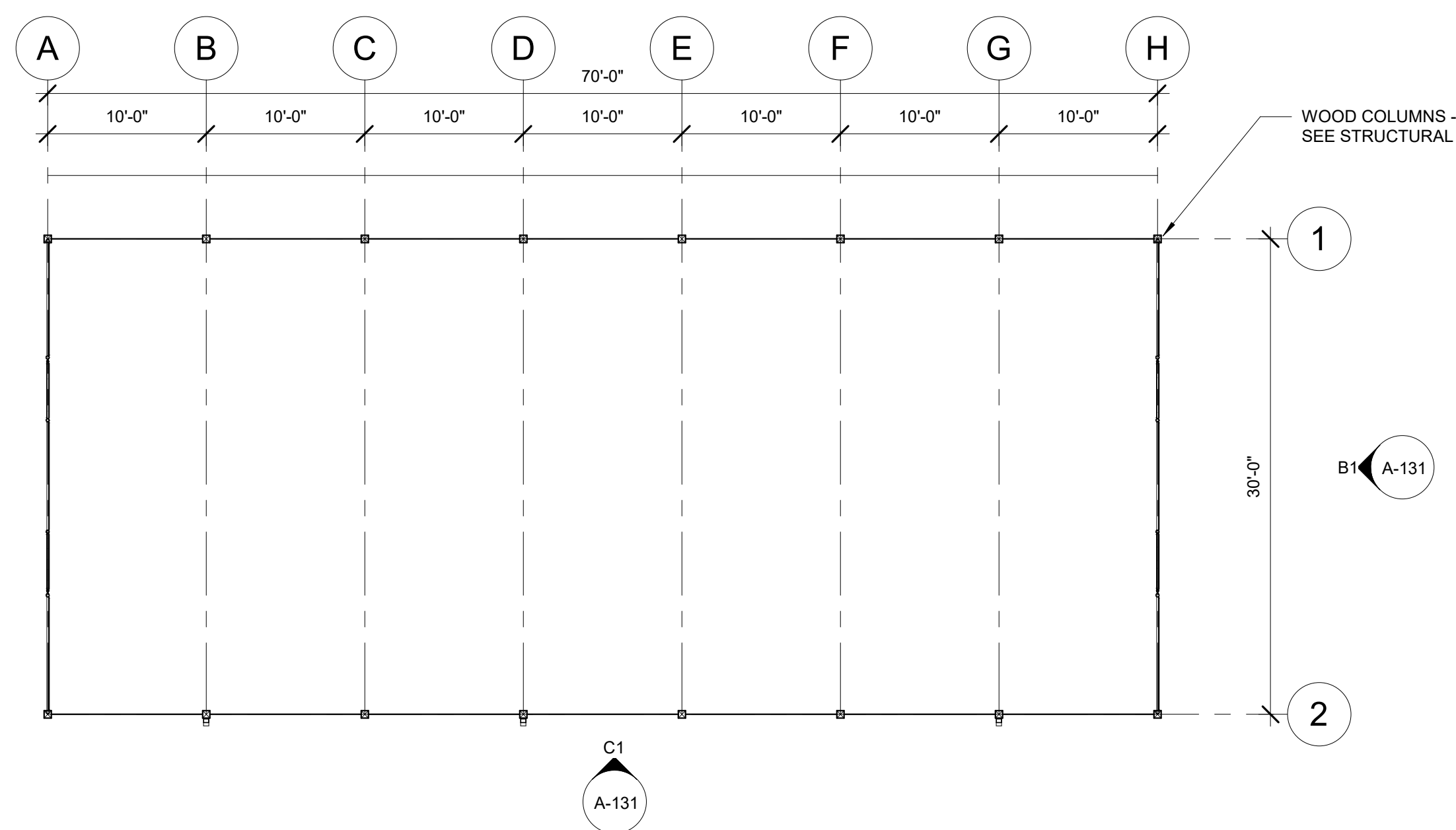
No.	Description	Date

PROJECT: 2201-210535  
DATE: 04/12/2022

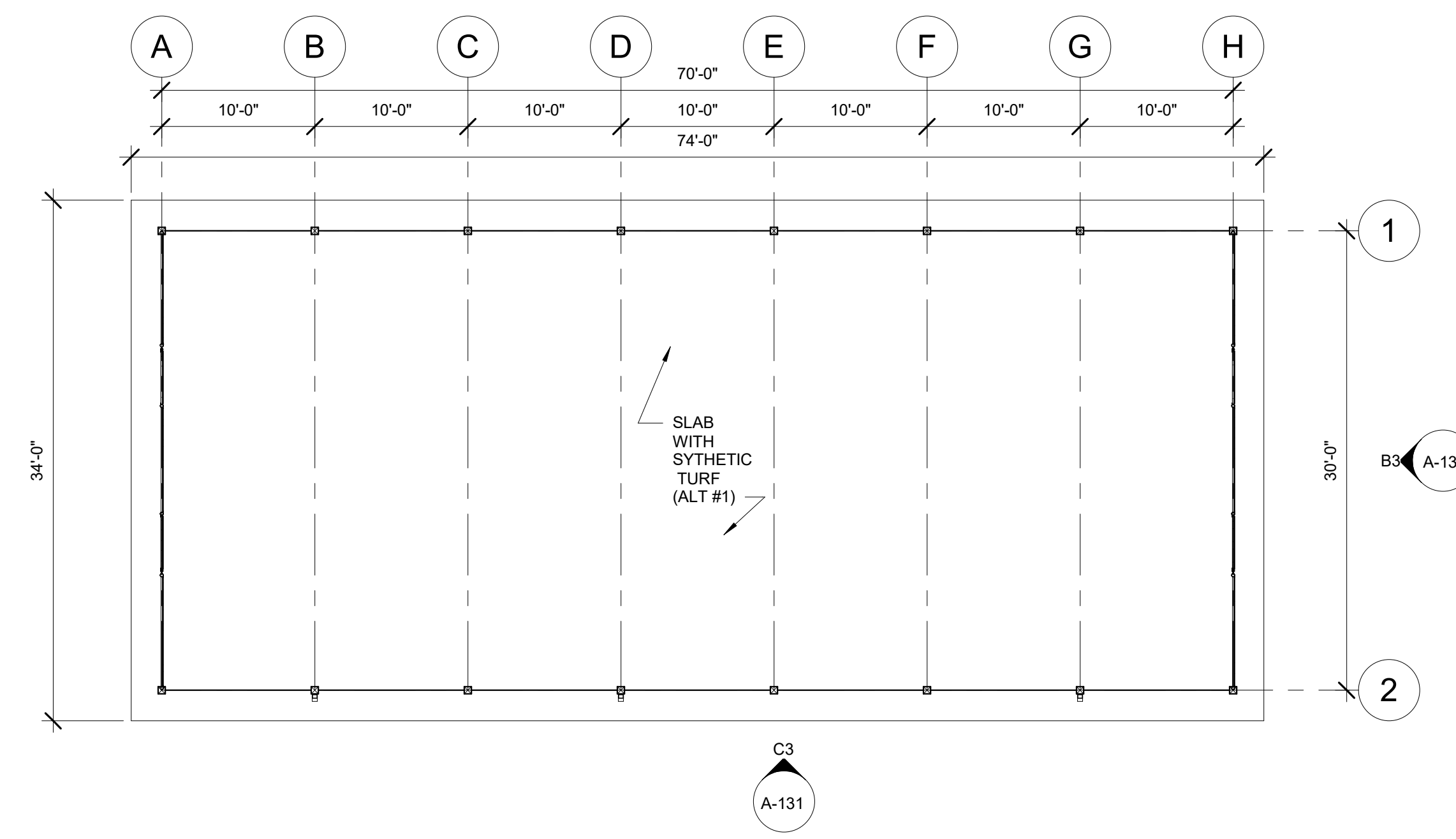
**FOUNDATION PLAN AND DETAILS**

**S-101**

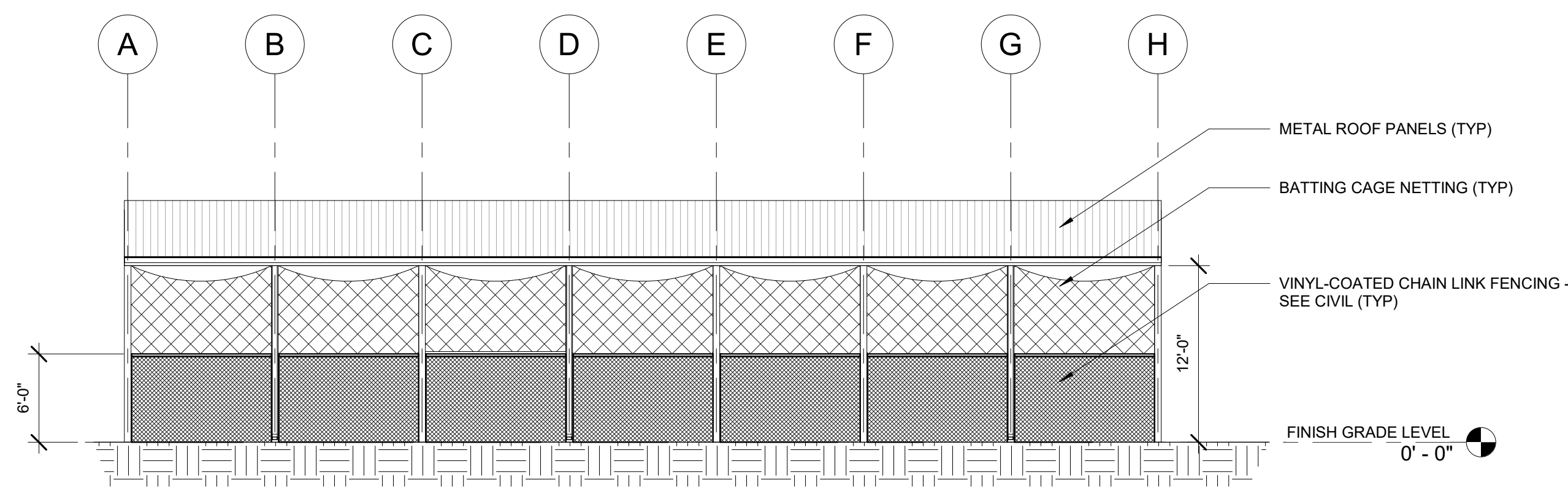
FINAL DRAWINGS



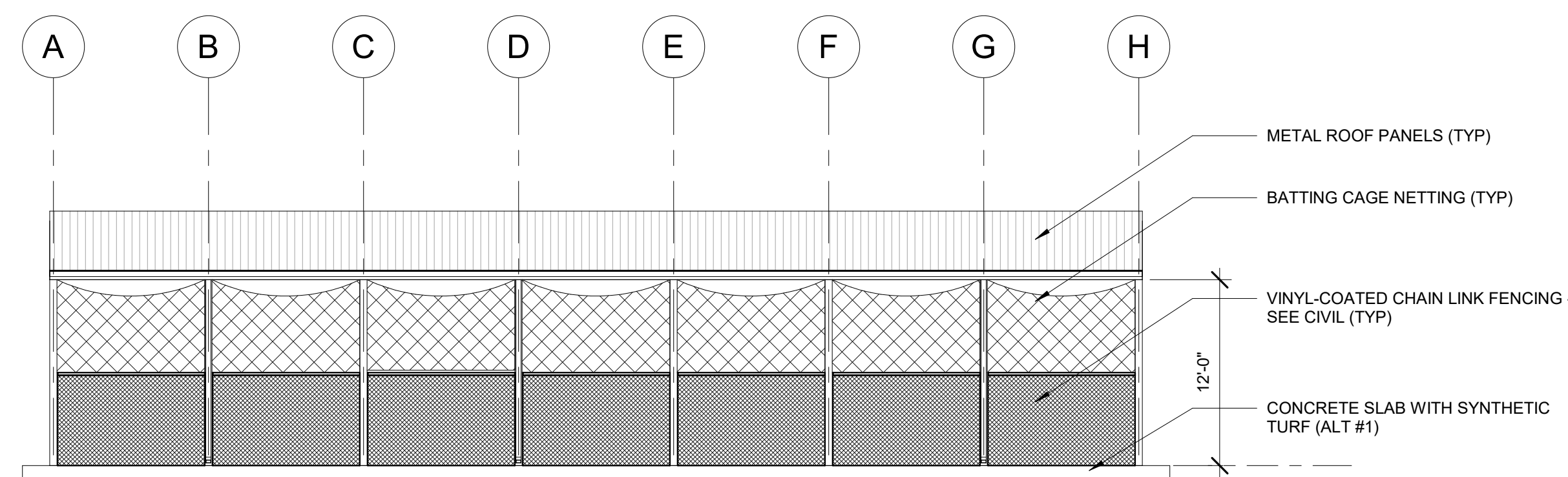
**D1** BATTING CAGES - FLOOR PLAN  
1/8" = 1'-0"



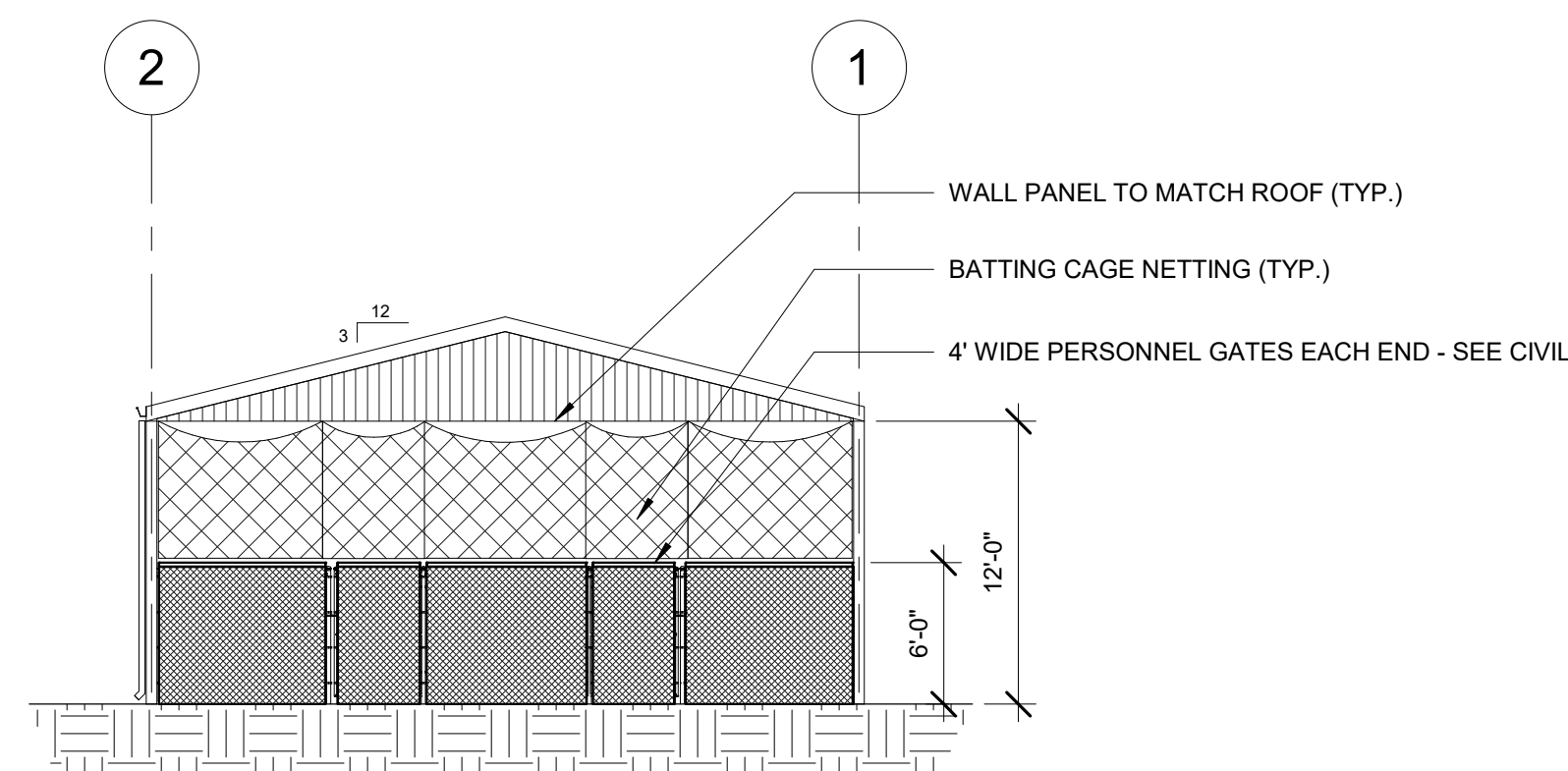
**D3** BATTING CAGES - FLOOR PLAN - ALTERNATE #1  
1/8" = 1'-0"



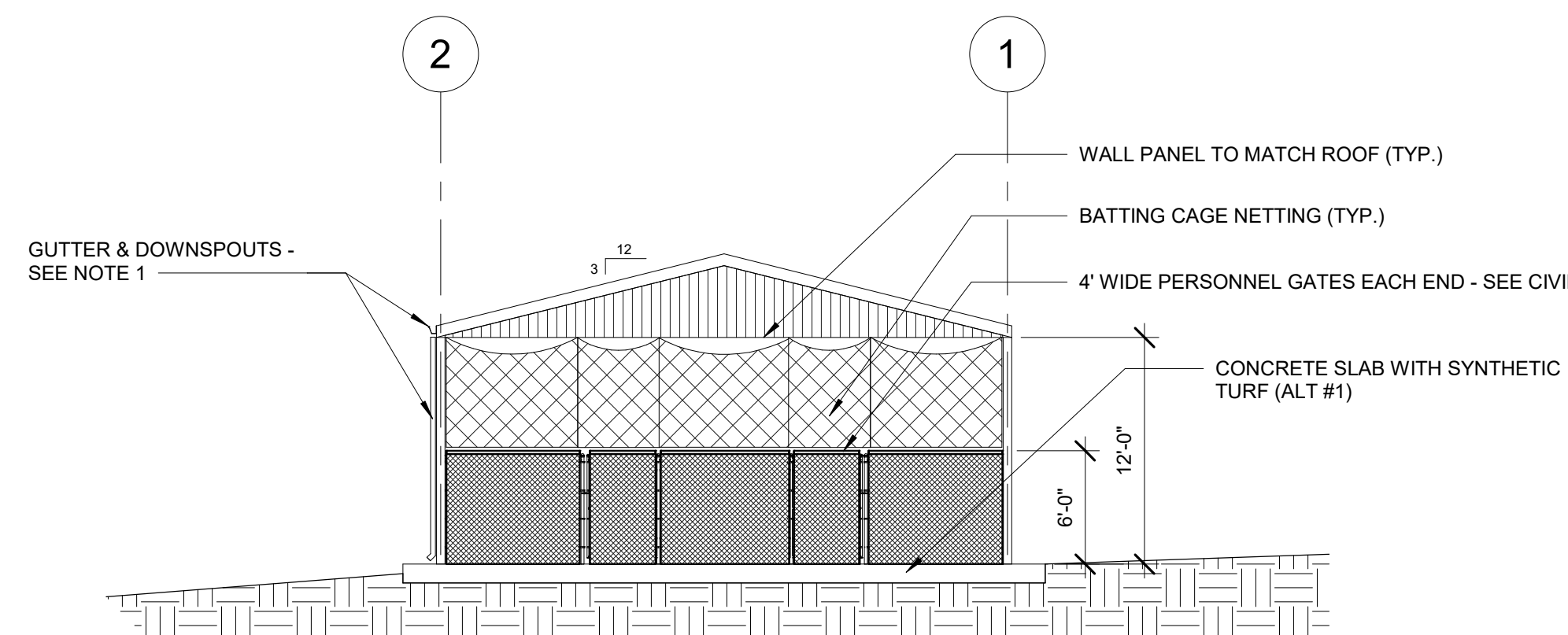
**C1** BATTING CAGES - SOUTH ELEVATION  
1/8" = 1'-0"



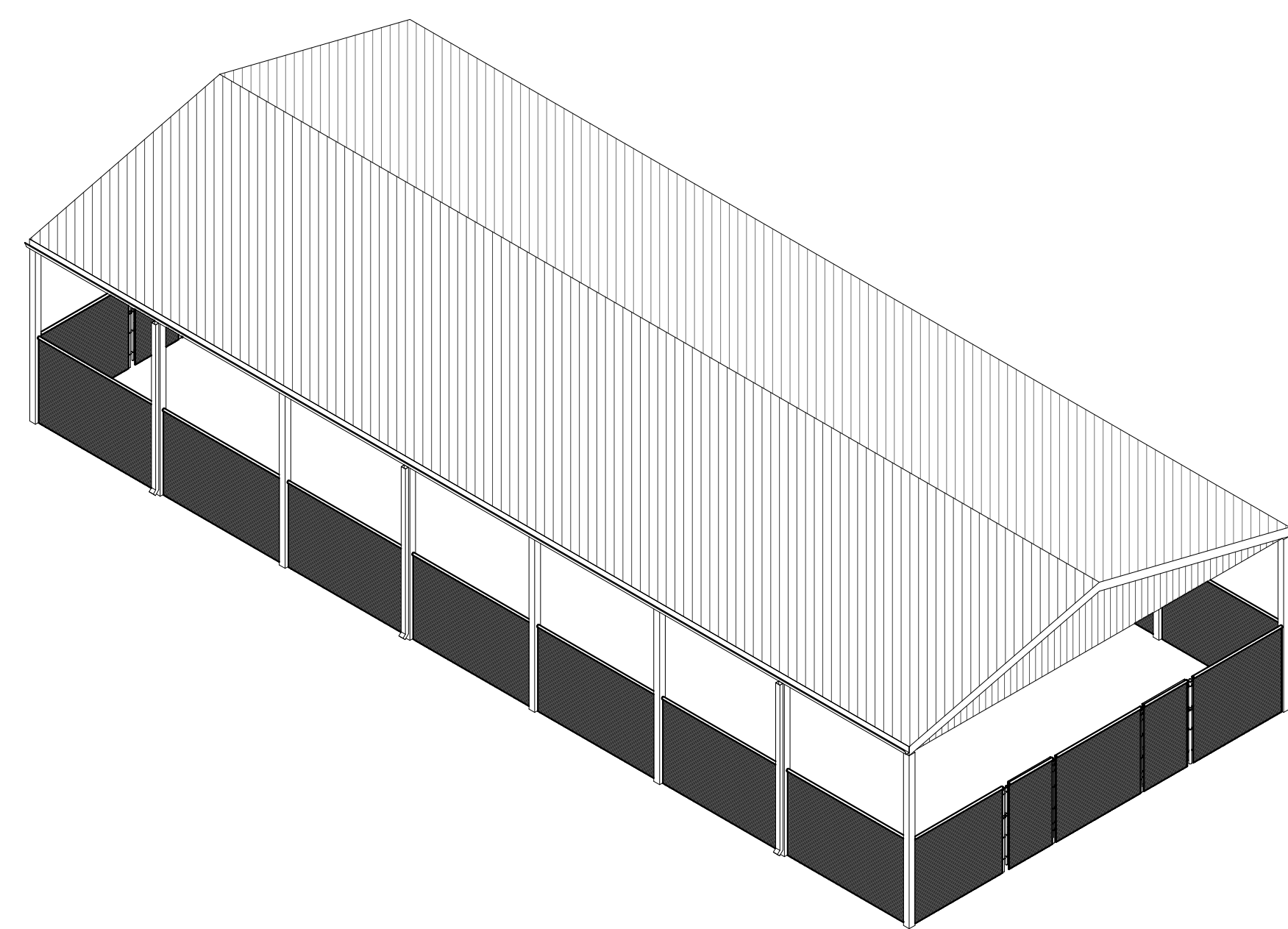
**C3** BATTING CAGES - SOUTH ELEVATION - ALTERNATE #1  
1/8" = 1'-0"



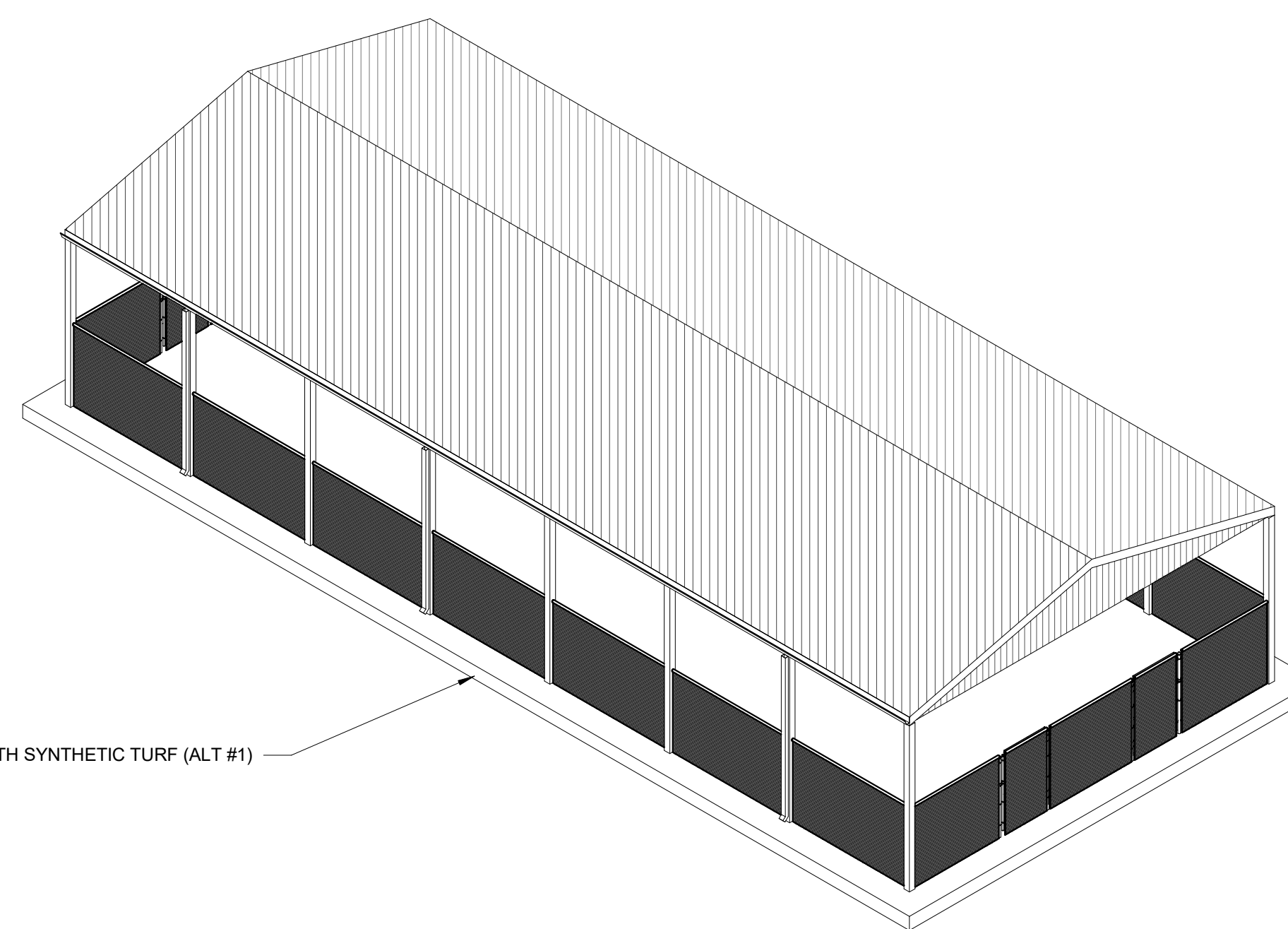
**B1** BATTING CAGES - EAST ELEVATION  
1/8" = 1'-0"



**B3** BATTING CAGES - EAST ELEVATION - ALTERNATE #1  
1/8" = 1'-0"



**A1** 3D - BATTING CAGES (ONE BASEBALL / ONE SOFTBALL)



**A3** 3D - BATTING CAGES - ALTERNATE #1

**GENERAL NOTES**

- A. SEE CIVIL FOR SHELTER LOCATION AND FENCING DETAILS.
- B. SEE SPECS FOR STRUCTURAL PARAMETERS OF SHELTER.
- C. SEE ELECTRICAL FOR POWER AND LIGHTING.



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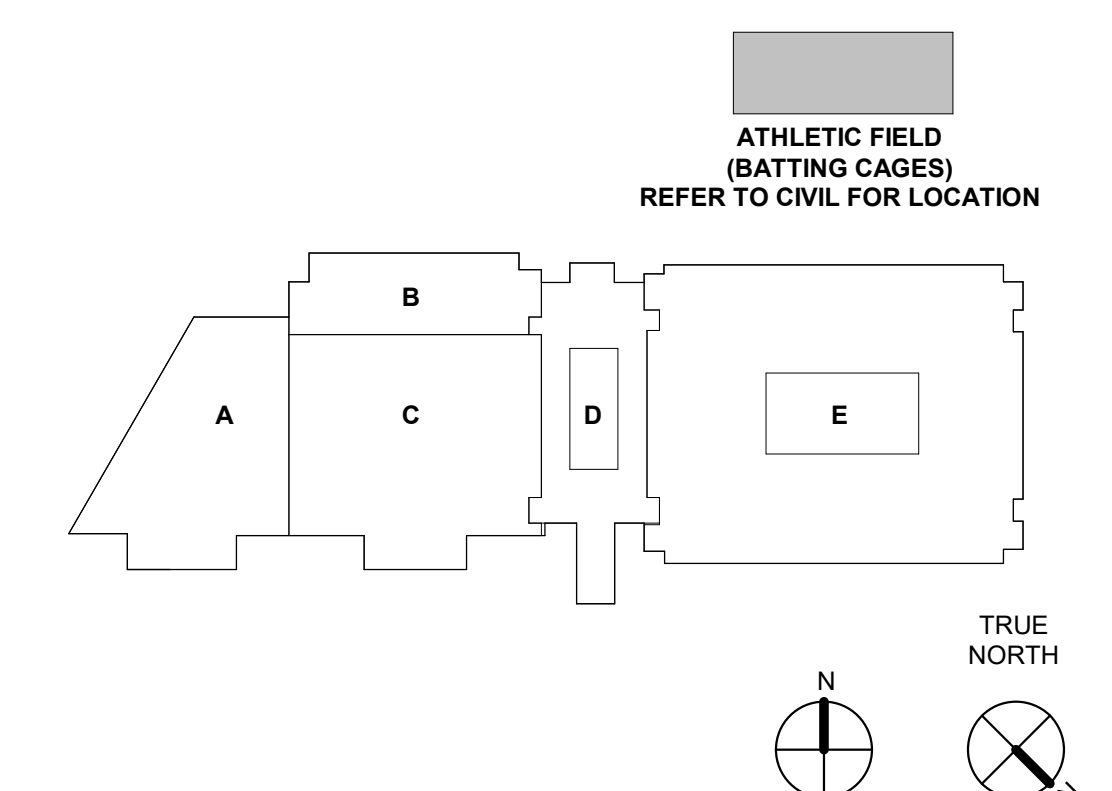
**REVISIONS:**

No.	Description	Date

**SHEET NOTES**

1. REPROVIDE GUTTER & DOWNSPOUTS AS INDICATED AT BASEBALL BATTING CAGE SHELTER ON FIELD SIDE ONLY

**KEYPLAN**



PROJECT: 2201-210535  
DATE: 04/12/2022

**ATHLETIC  
BUILDING -  
BATTING CAGE  
- BASE &  
ALTERNATE 1**

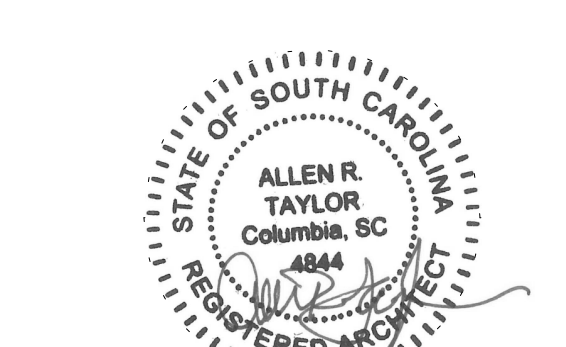
**A-131**



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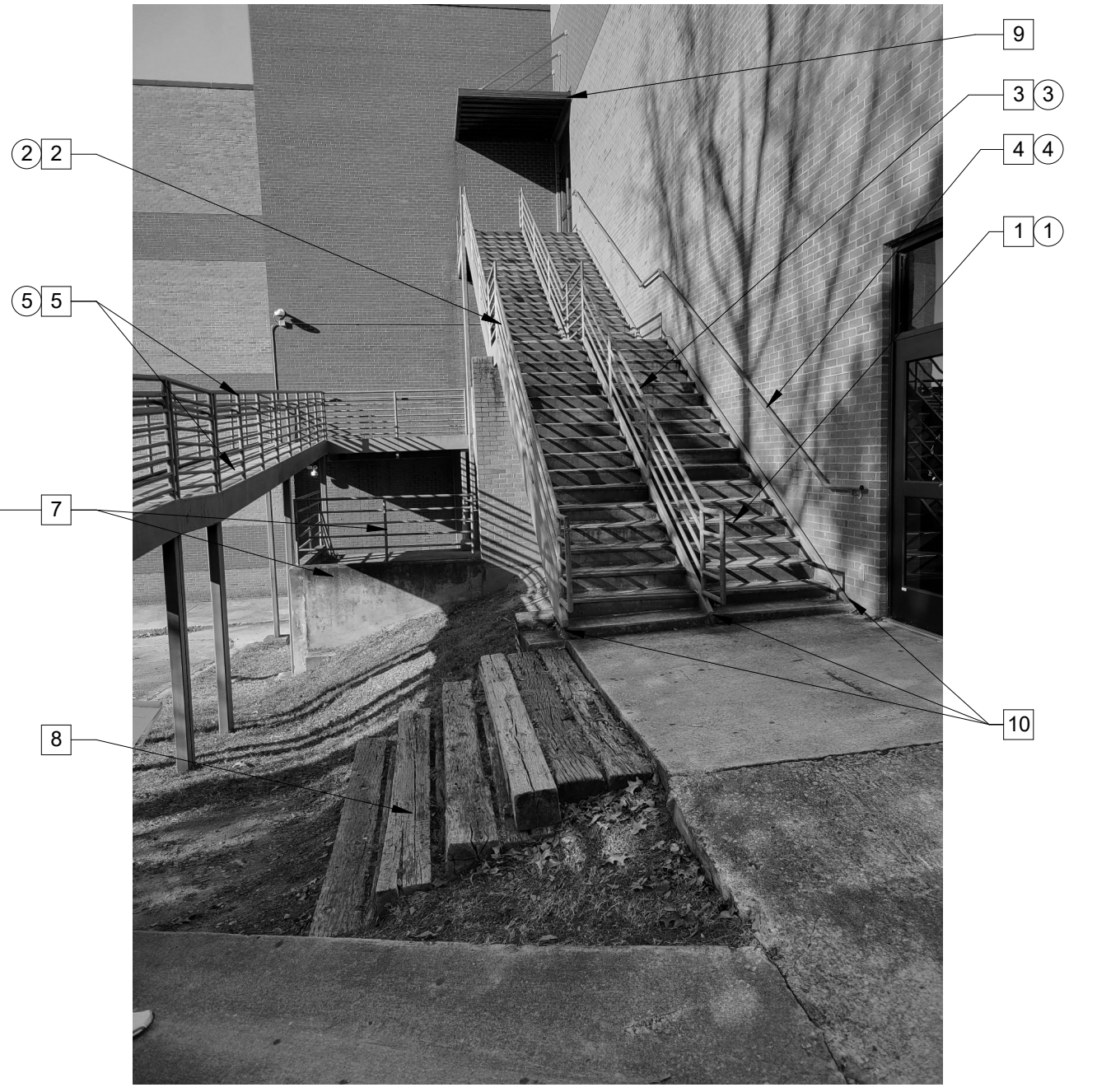
No.	Description	Date

PROJECT: 2201-210535  
DATE: 04/12/2022

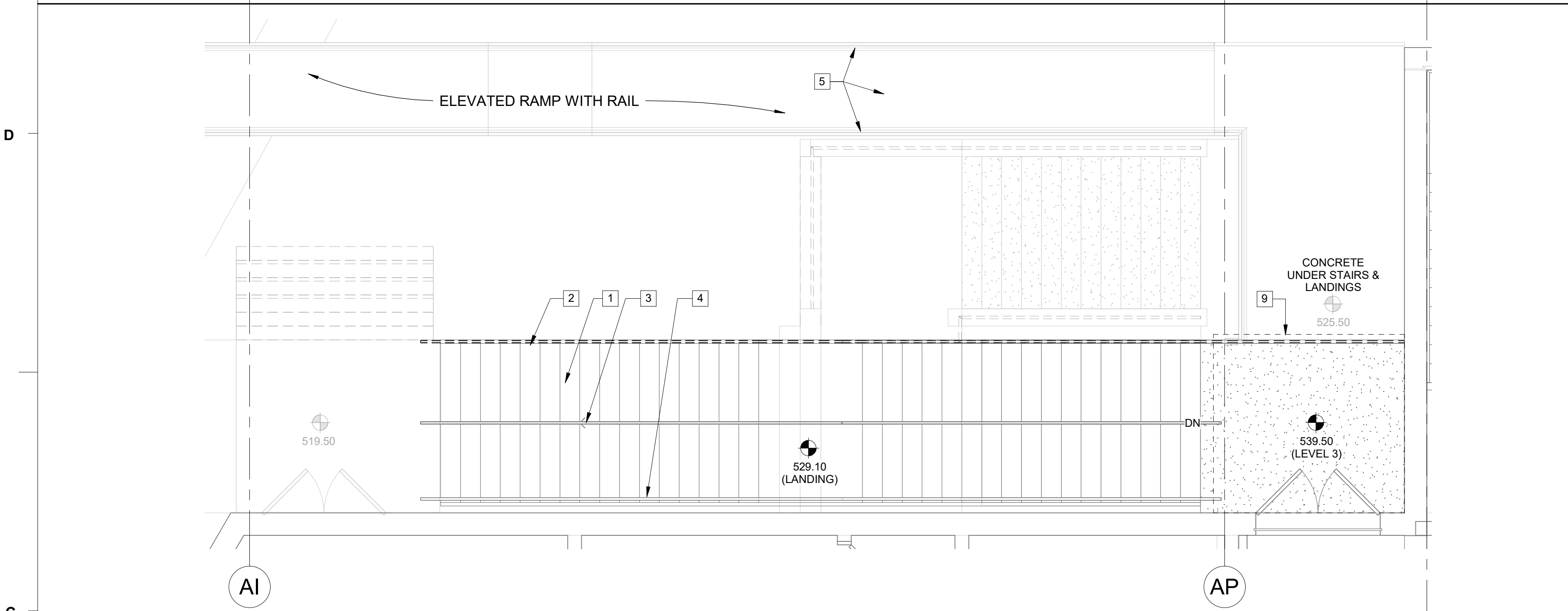
**ENLARGED  
STAIRS PLANS  
& SECTION**

**A-411**

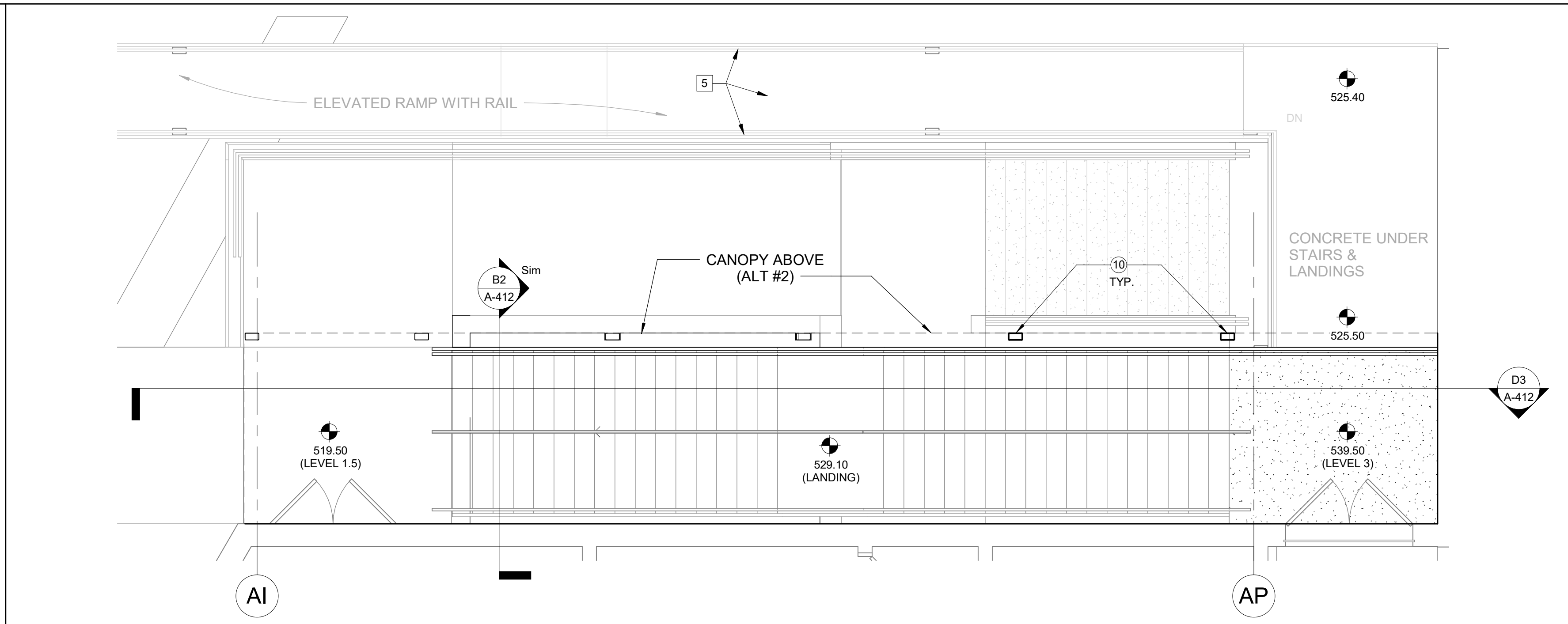
**FINAL DRAWINGS**



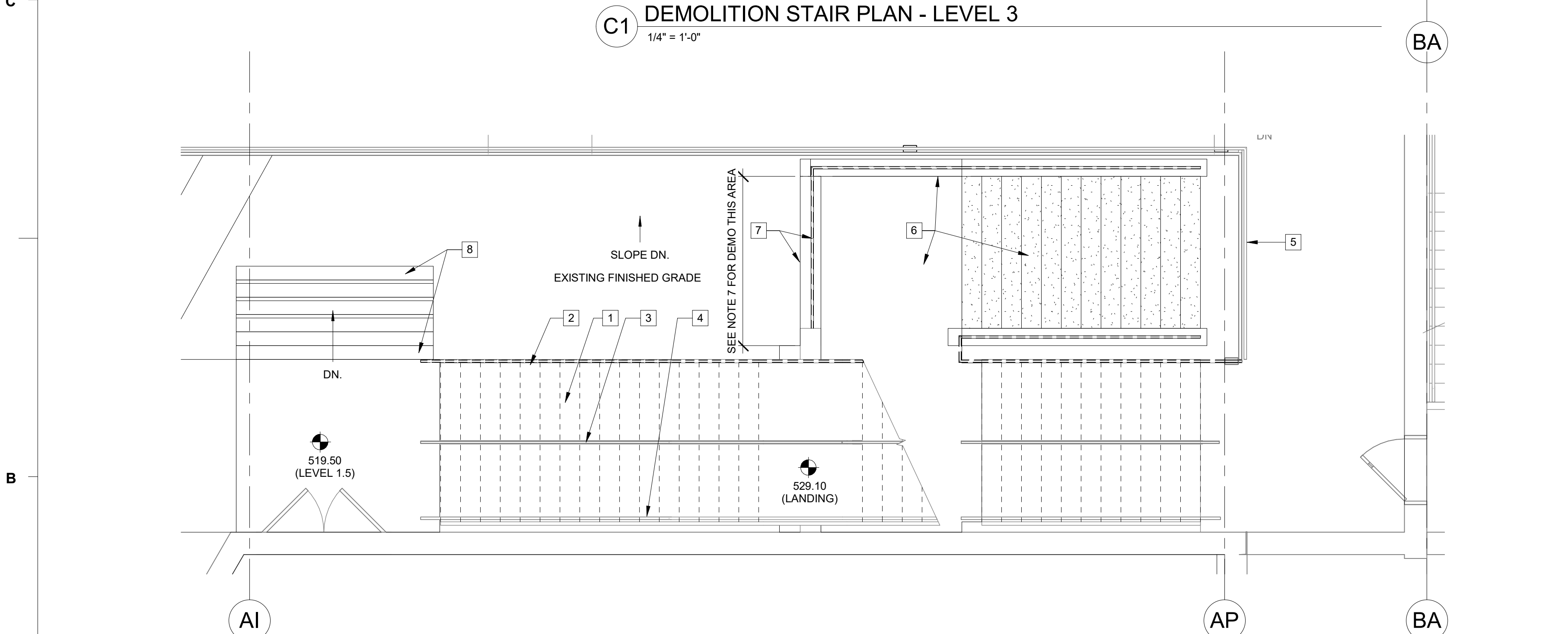
A-412  
B3



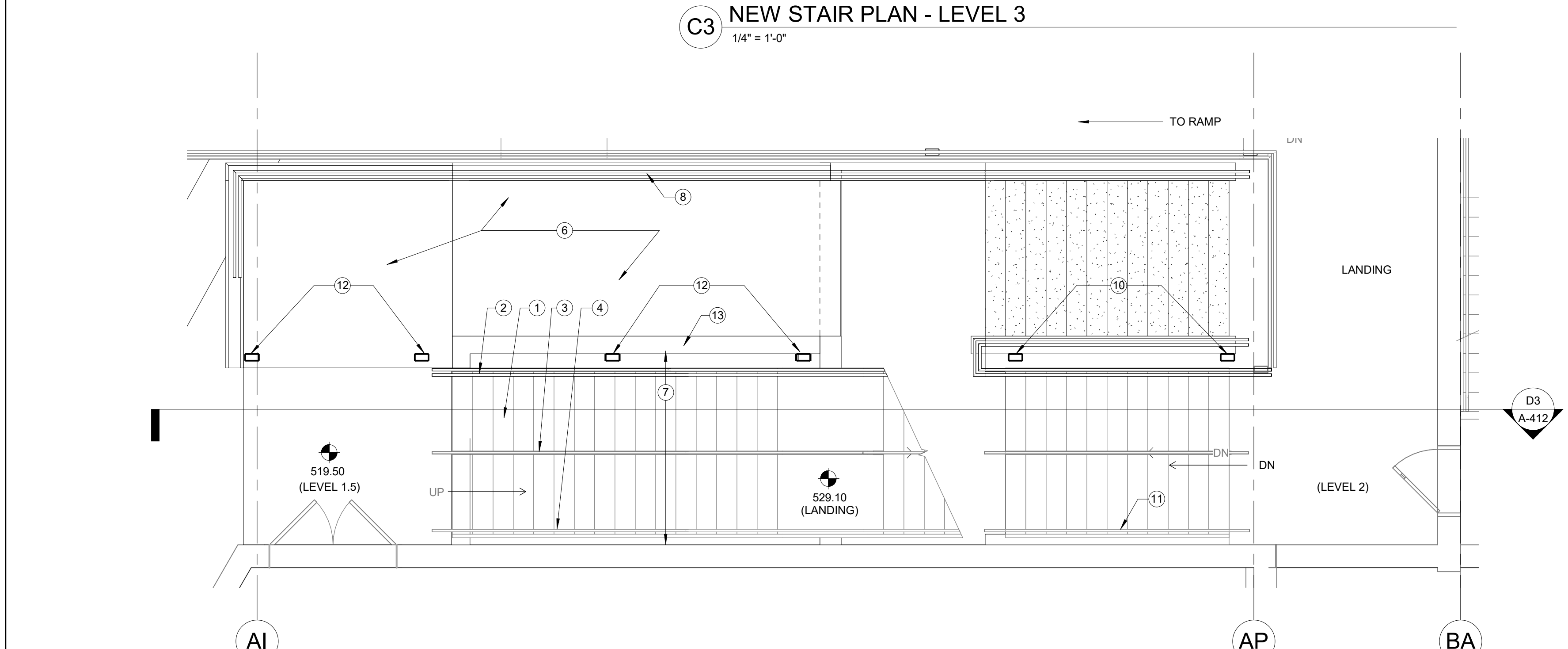
**C1 DEMOLITION STAIR PLAN - LEVEL 3**  
1/4" = 1'-0"



**C3 NEW STAIR PLAN - LEVEL 3**  
1/4" = 1'-0"



**B1 DEMOLITION STAIR PLAN - LEVEL 2**  
1/4" = 1'-0"



**B3 NEW STAIR PLAN - LEVEL 2**  
1/4" = 1'-0"

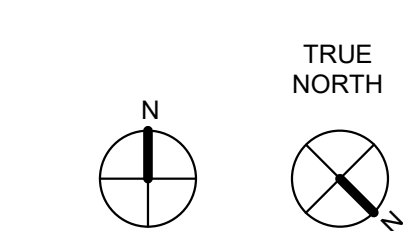
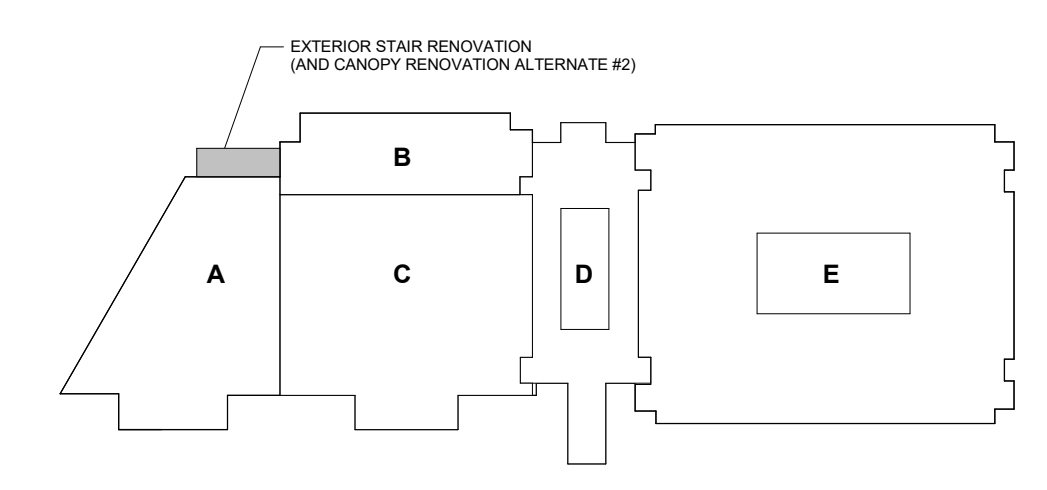
**DEMOLITION NOTES**

- 1 REMOVE EXISTING STAIR PAN / TREADS AND RISERS.
- 2 REMOVE EXISTING GUARDRAIL AND HANDRAIL
- 3 EXISTING CENTER STRINGER AND GUARDRAIL TO REMAIN
- 4 EXISTING WALL MOUNTED HANDRAIL AT EXTERIOR WALL TO REMAIN
- 5 EXISTING RAMP WITH GUARDRAILS AND HANDRAILS TO REMAIN
- 6 EXISTING RETAINING WALL, CONCRETE STEPS AND LANDING - PRESSURE WASH.
- 7 CUT PORTION OF EXISTING CONCRETE RETAINING WALL 4" BELOW CONCRETE LANDING FOR NEW POURED SIDEWALK AND REMOVE GUARDRAIL AT THIS SECTION.
- 8 REMOVE EXISTING RAILROAD TILES / WOOD STEPS
- 9 EXISTING CANOPY ABOVE TO REMAIN
- 10 EXISTING STRINGERS TO REMAIN

**RENOVATION NOTES**

- 1 INSTALL NEW STAIR PAN
- 2 INSTALL NEW GUARDRAIL AND HANDRAIL
- 3 PAINT EXISTING CENTER GUARDRAIL TO REMAIN
- 4 PAINT EXISTING WALL MOUNTED HANDRAIL TO REMAIN
- 5 PAINT GUARDRAILS AND HANDRAILS AT EXISTING RAMP
- 6 INSTALL NEW CONCRETE SIDEWALK
- 7 INFILL / POUR CONCRETE THIS AREA UNDER STAIR. SLOPE SLAB TO DRAIN (SEE CIVIL)
- 8 INSTALL NEW 8" WIDE CONCRETE KNEEWALL WALL, CHAMFERED ON EACH EDGE AT HEIGHT TO MATCH EXISTING BEYOND WITH GUARDRAIL AT TOP
- 9 INSTALL NEW CANOPY OVER EXISTING STAIRS (ALTERNATE #2)
- 10 INSTALL COLUMNS TO SUPPORT NEW CANOPY OVER STAIRS (ALTERNATE #2)
- 11 INSTALL NEW WALL MOUNTED HANDRAIL
- 12 INSTALL COLUMNS WITH UNDERGROUND DRAINAGE NIPPLE TO CONNECT TO STORM DRAIN (SEE CIVIL) TO SUPPORT NEW CANOPY OVER STAIRS (ALTERNATE #2)
- 13 INSTALL CONCRETE CURB AT EDGE OF NEW SIDEWALK.

**KEYPLAN**



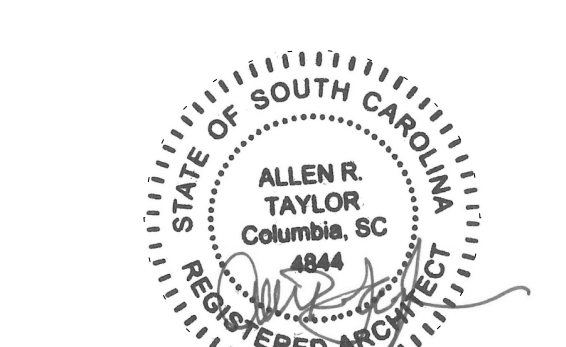
BIM 360://201-210535 Fairfield Central HS Renovations\Arch\_Fairfield Central HS Renovation\_2020.rvt  
 4/12/2022 5:11:29 PM



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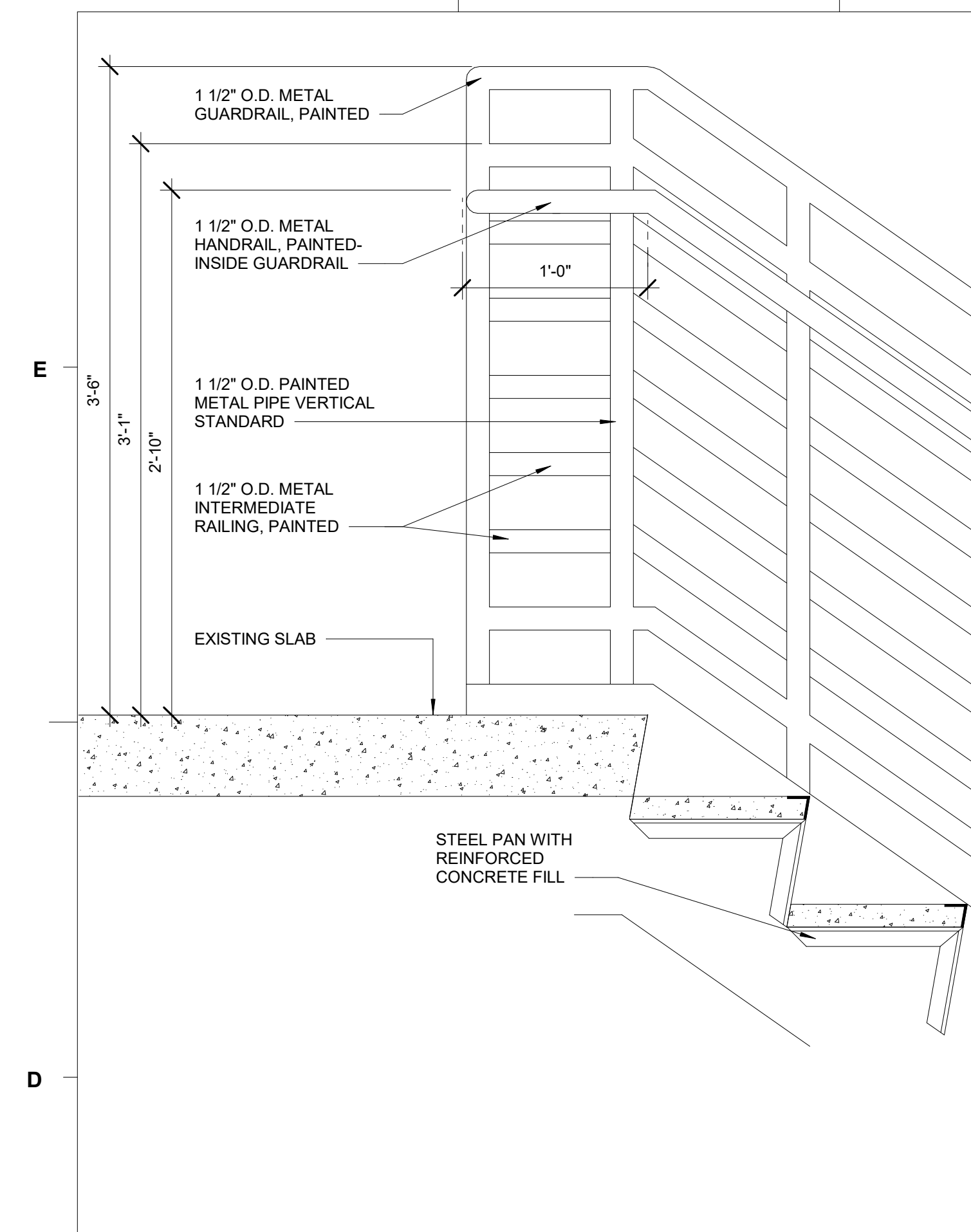
No.	Description	Date

PROJECT: 2201-210535  
DATE: 04/12/2022

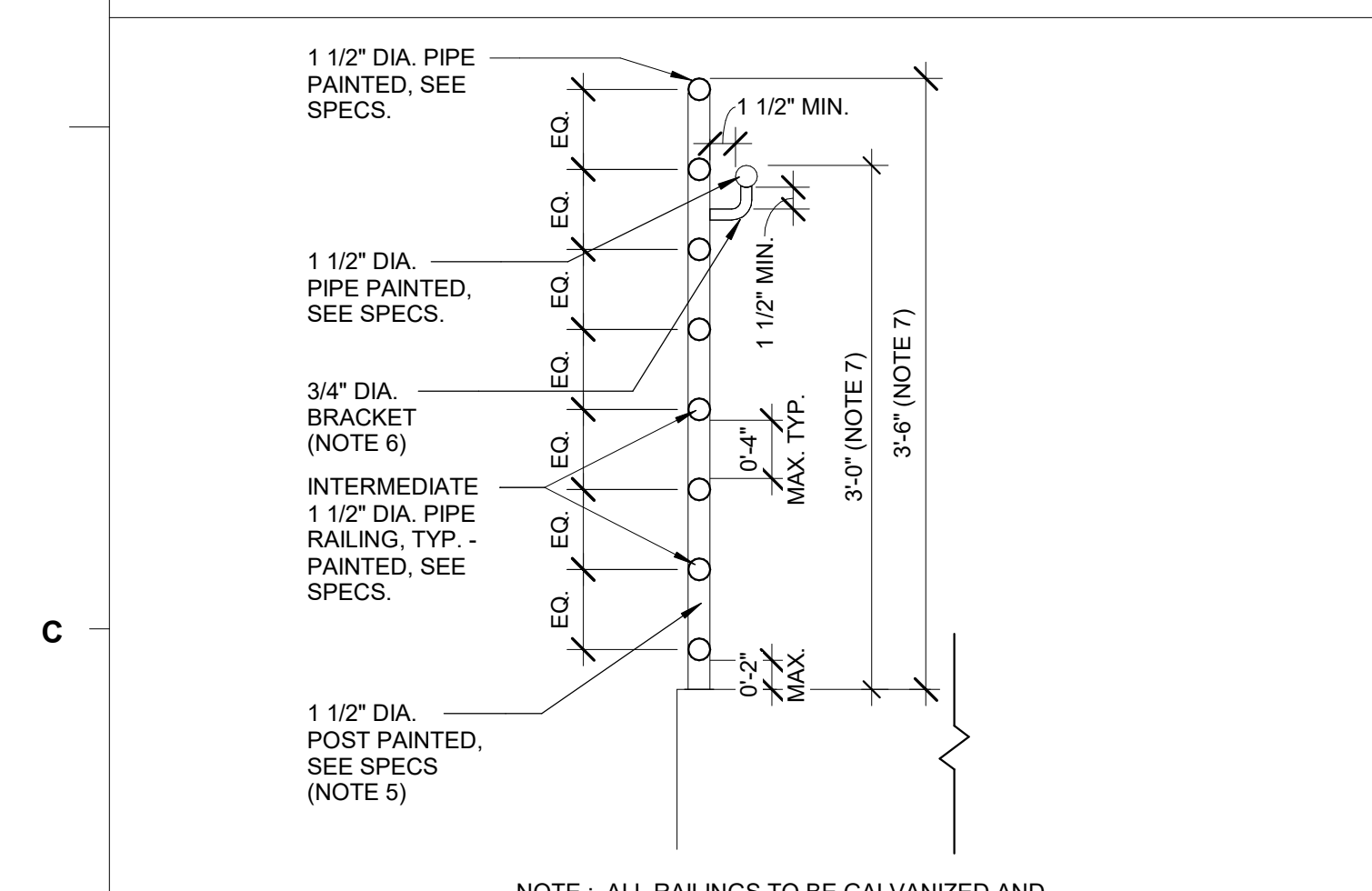
**ENLARGED  
STAIR PLANS &  
SECTIONS**

**A-412**

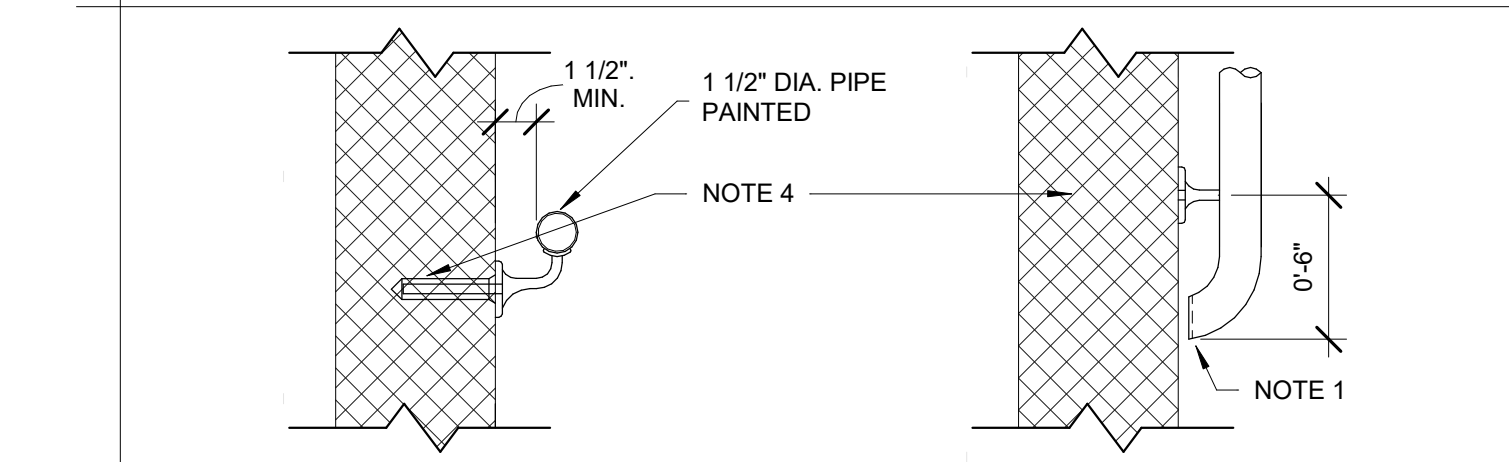
**FINAL DRAWINGS**



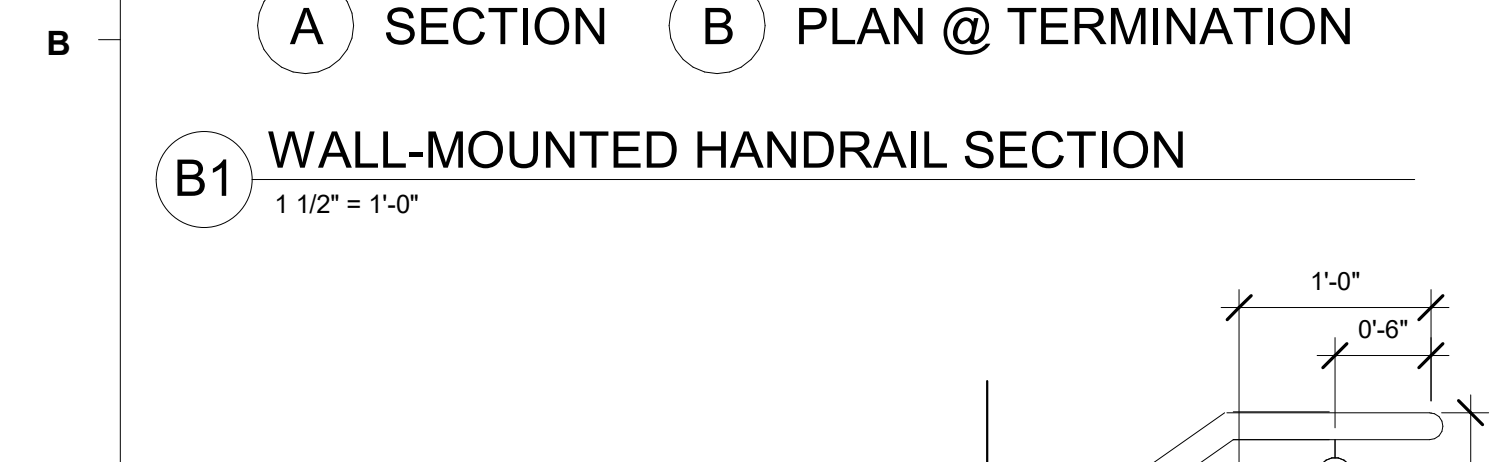
**D1 RAILING @ TOP OF STAIRS**  
1 1/2" = 1'-0"



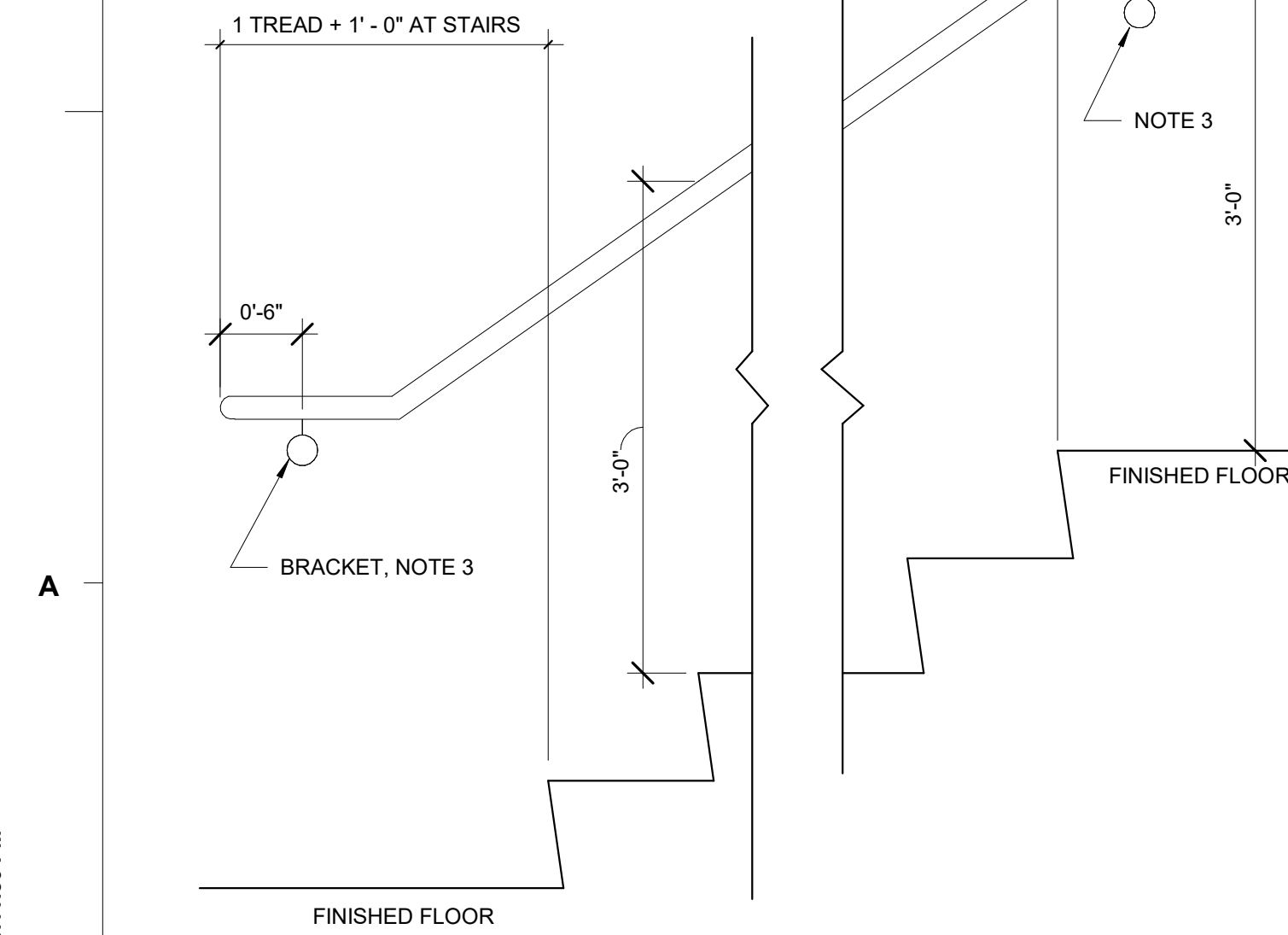
**C1 GUARDRAIL & HANDRAIL DETAIL**  
1" = 1'-0"



**A SECTION B PLAN @ TERMINATION**

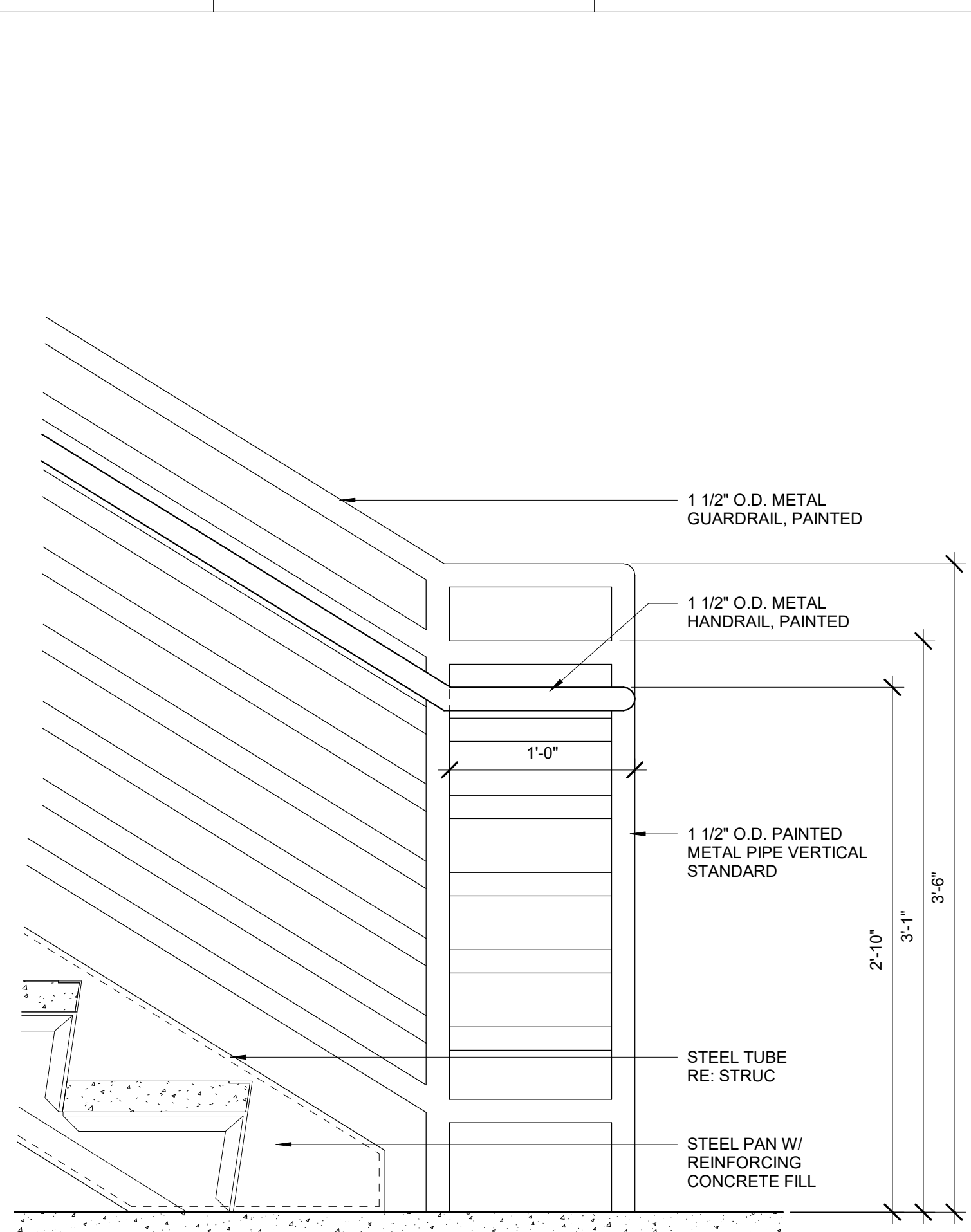


**B1 WALL-MOUNTED HANDRAIL SECTION**  
1 1/2" = 1'-0"

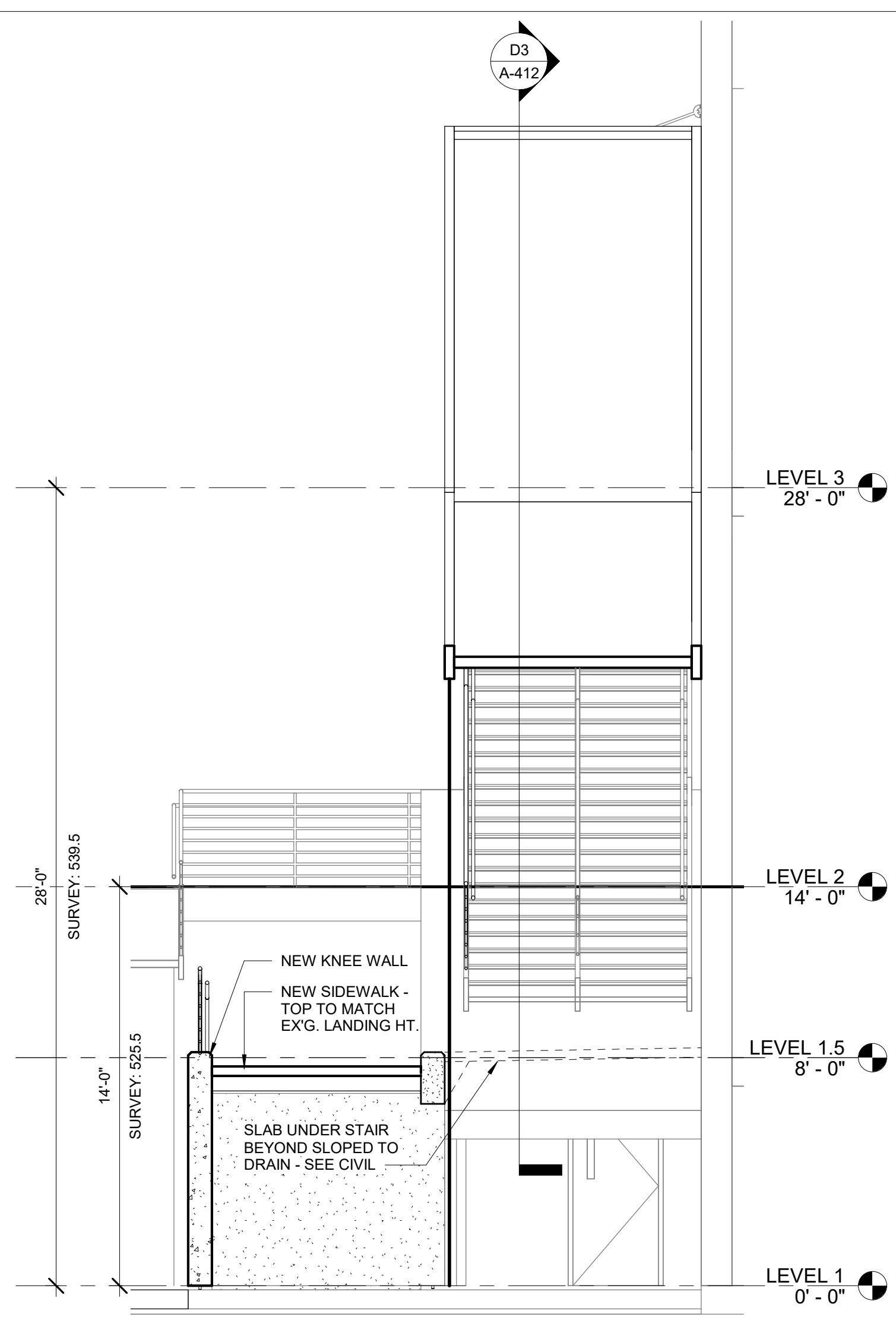


**A1 WALL-MOUNTED HANDRAILS**  
1" = 1'-0"

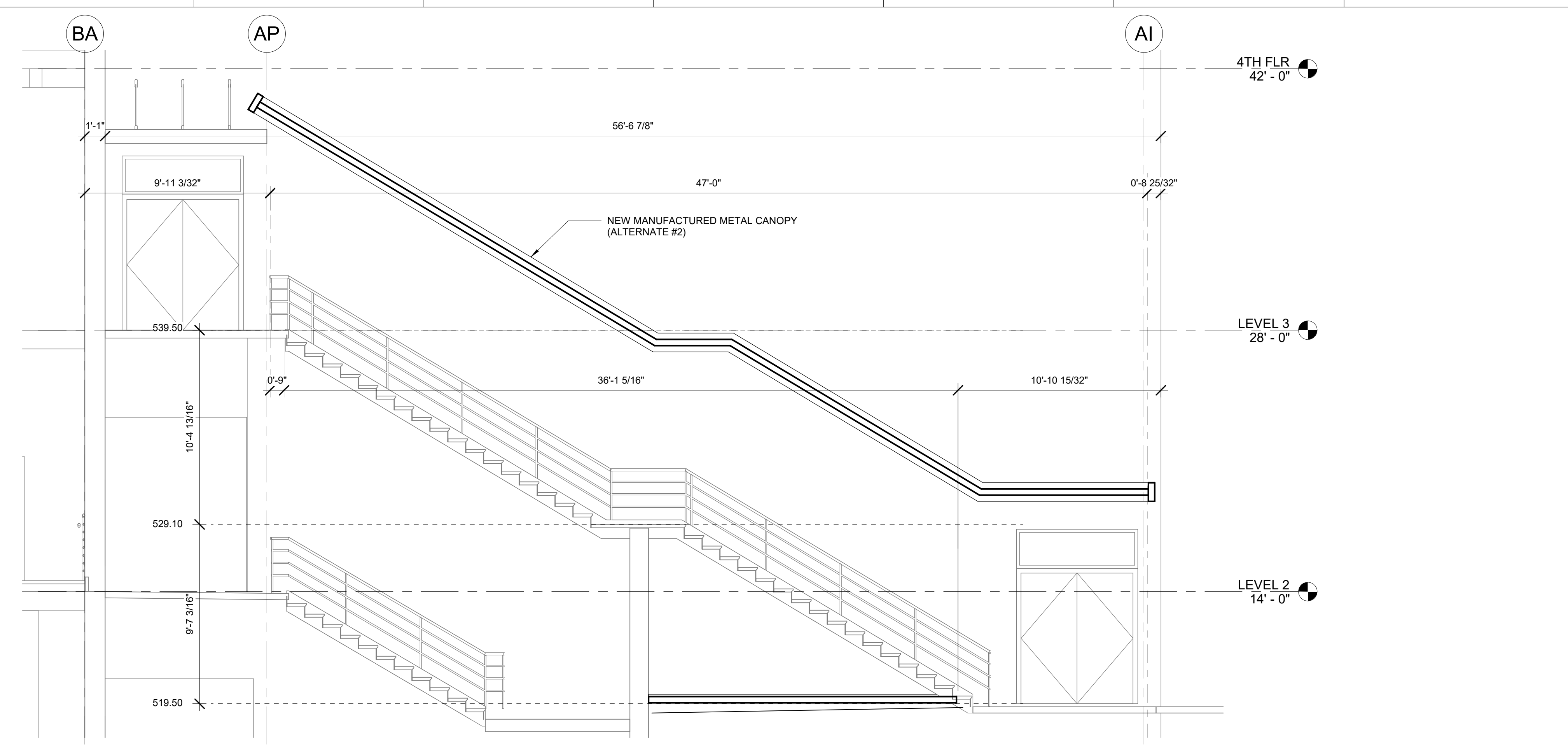
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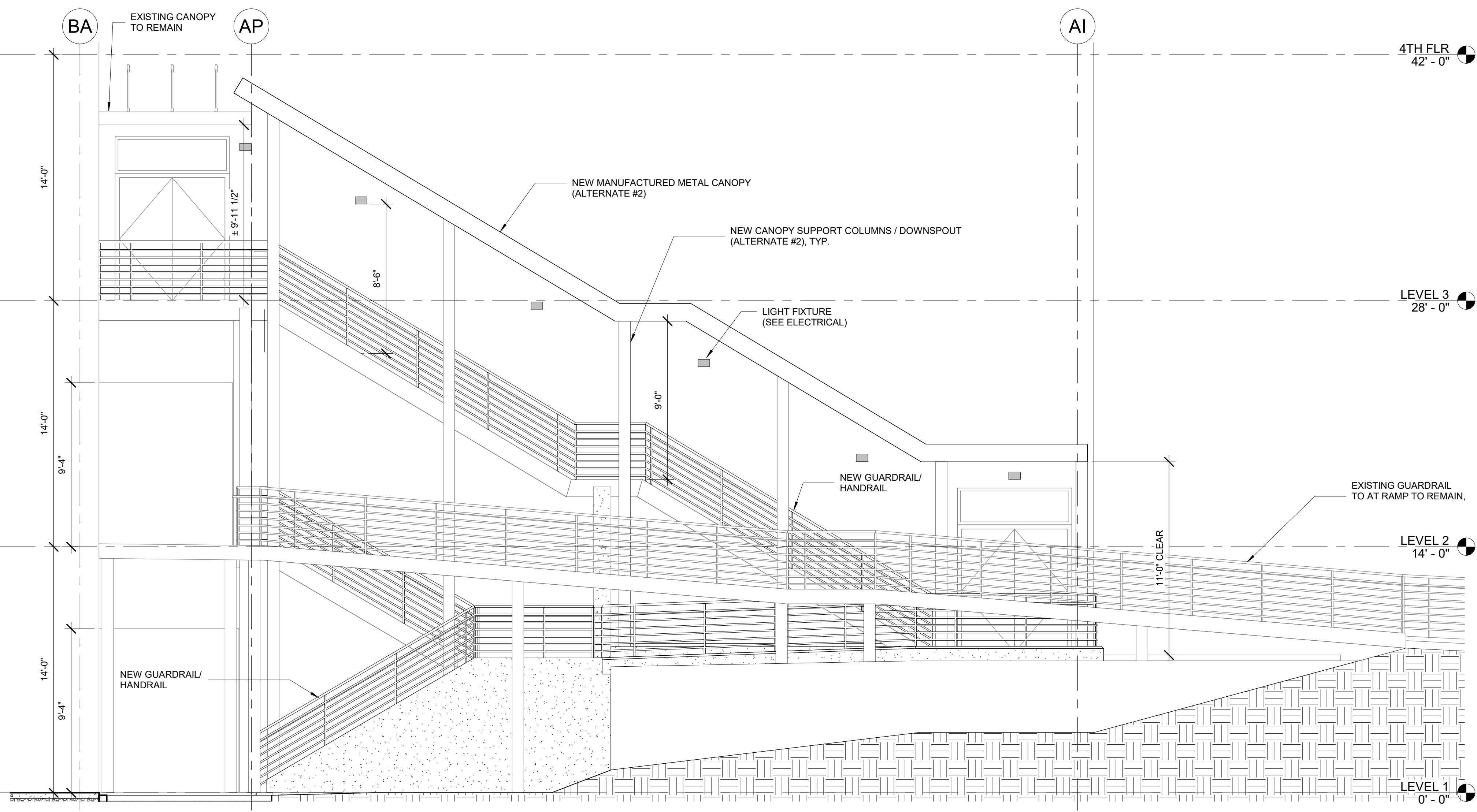
**D2 RAILING @ BOTTOM OF STAIRS**  
1 1/2" = 1'-0"



**B2 ENLARGED STAIR SECTION**  
1/4" = 1'-0"



**D3 STAIR LONG SECTION 1**  
1/4" = 1'-0"

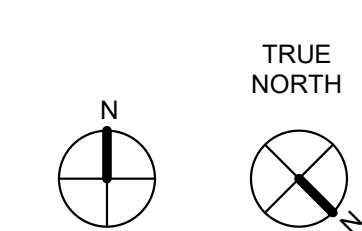
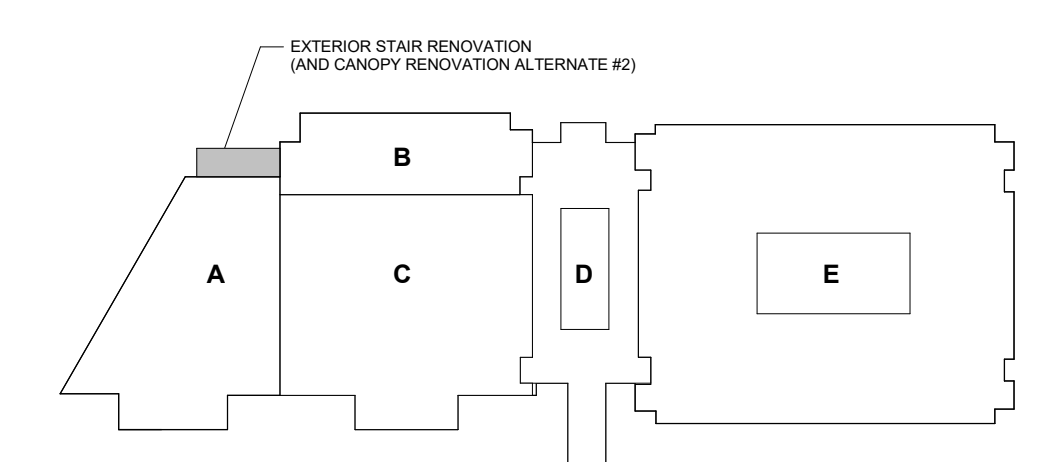


**B3 STAIR ELEVATION**  
1/4" = 1'-0"

**SHEET NOTES**

1. RETURN HANDRAIL TO VERTICAL (OR WALL) & PROVIDE SOLID CLOSED ENDS.
2. FAIRLY EXPOSED EDGE.
3. SPACE AT 48" MAX.
4. BRACKETS ATTACHMENT AT EXISTING EXTERIOR MASONRY WALL EXPANSION BOLT WHERE MOUNTED ON STEEL STUDWALL USE 3/8" DIA. TOGGLE BOLT THROUGH STEEL BLOCKING.
5. PLACE POSTS AT ENDS, CORNERS, AND AT AN INTERMEDIATE SPACING OF 48" MAX.
6. ATTACH HANDRAIL BRACKETS TO RAILING POST. SEE NOTE 5.
7. DIMENSION TO NOSE OF STAIR TREAD.

**KEYPLAN**



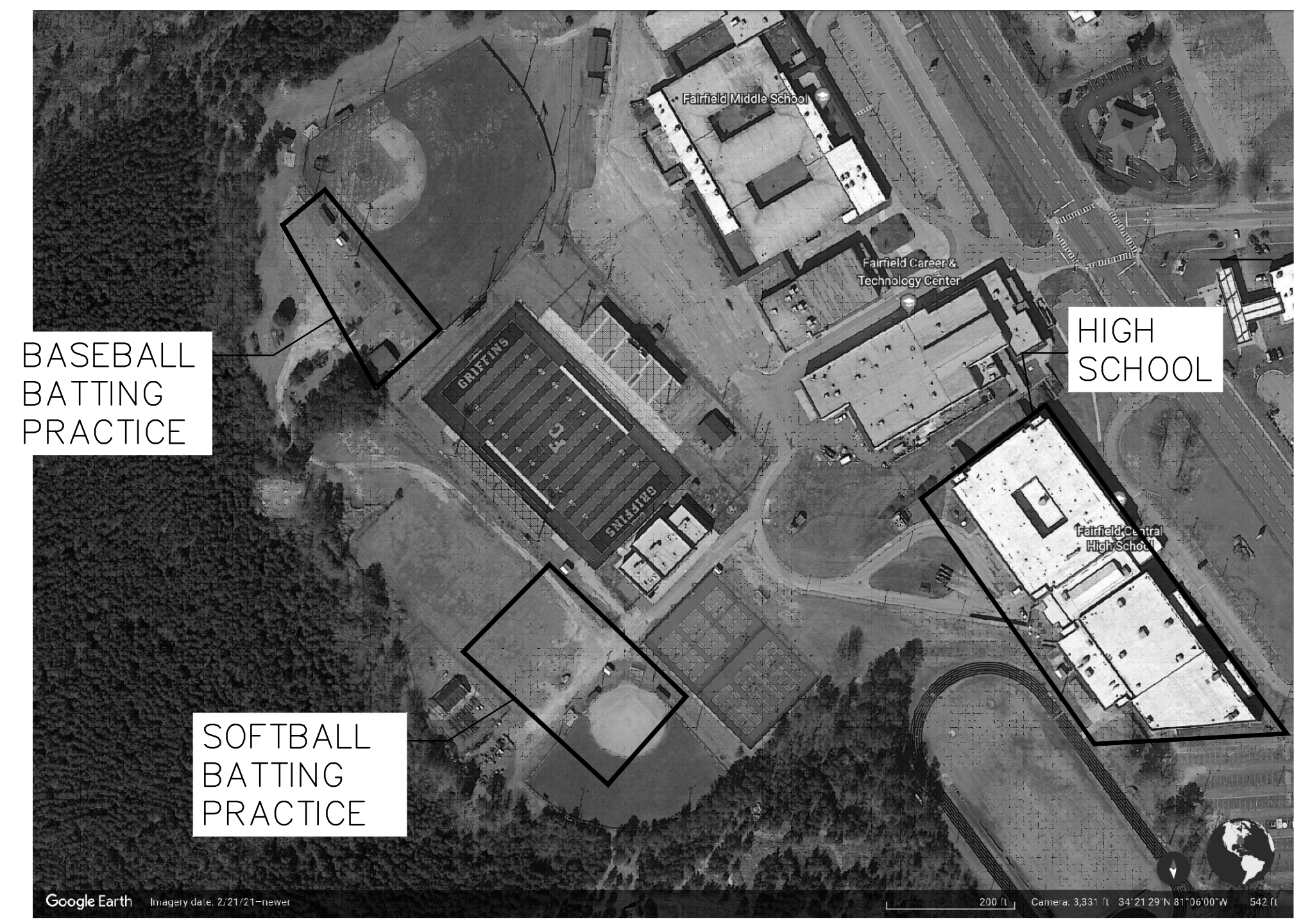
1 2 3 4 5 6

ELECTRICAL SYMBOL SCHEDULE	
SYMBOL	DESCRIPTION
	20A DUPLEX RECEPTACLE, MOUNT 16" AFF UNO
	20A QUADRUPLX RECEPTACLE, MOUNT 16" AFF UNO
	ELECTRICAL PANELBOARD, 208V OR 240V
	ELECTRICAL PANELBOARD, 480V
	FUSED SAFETY DISCONNECT SWITCH, UNLESS NOTED OTHERWISE
	DASHED EQUIPMENT INDICATES EXISTING EQUIPMENT
	JUNCTION BOX, SIZE PER NEC
	ABOVE FINISHED FLOOR
	CONDUIT
	SUFFIX INDICATES DEVICE CONNECTED TO EMERGENCY POWER, DEVICE COLOR SHALL BE RED.
	EMPTY CONDUIT
	GROUND FAULT INTERRUPTER
	RAINTIGHT, NEMA 3R UNO
	UNLESS NOTED OTHERWISE
	WEATHER PROOF
	MAIN LUGS ONLY
	MAIN FUSED DISCONNECT, FUSES AS NOTED.
	KEYNOTE LABEL
	CONDUIT STUBBED UP FROM BELOW
	CONDUIT DROPPED FROM ABOVE
	CONDUIT RUN CONCEALED IN WALL OR RUN ABOVE FINISHED CEILING IN FINISHED SPACES, TICK MARKS INDICATE LINE VOLTAGE CONDUCTORS, SEE PANELBOARD SCHEDULES.
	CONDUIT RUN EXPOSED IN FINISHED SPACES UNO, TICK MARKS INDICATE LINE VOLTAGE CONDUCTORS, SEE PANELBOARD SCHEDULES.

NOTE: SEE SHEET E101 FOR LIGHTING SYMBOL SCHEDULE.

- ### GENERAL DEMOLITION NOTES
- Demolition notes are based on casual field observations and existing record documents. Report discrepancies to architect/engineer before disturbing existing installation. Refer to section 26 specification "ELECTRICAL DEMOLITION" for additional requirements.
  - Remove existing building electrical systems from walls, ceilings and other finishes scheduled for demolition.
  - Verify that abandoned wiring and equipment serve only abandoned facilities.
  - Verify field measurements and circuiting arrangements prior to commencement of work.
  - Coordinate outages of all building electrical systems with owner.
  - Provide temporary wiring and connections to maintain all existing building electrical systems affected by demolition and renovation work.
  - Remove all abandoned wiring and equipment and repair finishes to match adjacent finishes.
  - Reconnect all remaining existing building electrical systems interrupted by demolition.
  - Remove exposed abandoned conduit, including abandoned conduit above accessible ceiling finishes. Cut conduit flush with wall and floors, patch finishes and firestop.
  - Portions of the existing conduit systems may be reused provided all of the following conditions are met:
    - The existing equipment, conduit and/or wiring systems are installed in accordance with the requirements for new materials listed in the specifications, and as indicated on the plans.
    - Any relocation of existing feeders and conduits to accommodate new construction (i.e., ductwork, new ceiling heights, etc.) which at the convenience of the contractor are being reused shall be relocated as necessary without additional cost to the owner.
  - Relocate existing electrical system conduit raceways as required to facilitate installation of systems installed by other divisions of work. Field coordinate relocation and extension of systems.
  - Remove and reinstall existing ceiling tiles as required to install conduits above finished ceilings.

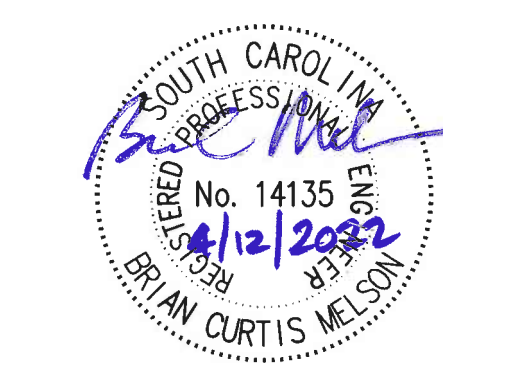
- ### SYSTEM SPECIFIC DEMOLITION NOTES
- ELECTRICAL DISTRIBUTION EQUIPMENT:** Existing electrical distribution equipment shall remain unless noted otherwise. Disable system only to make switchovers and connections. Minimize outage duration. Make temporary connections to maintain service in areas adjacent to work area. See Section 26 0501 - Electrical Coordination and 26 0502 - Electrical Demolition for other requirements.
  - EXISTING LIGHTING:** See E100 series sheets for lighting work.
  - EXISTING FIRE ALARM SYSTEM:** The existing fire alarm system shall remain.
  - EXISTING EQUIPMENT CONNECTIONS:** Remove existing electrical service to equipment removed as part of this work.



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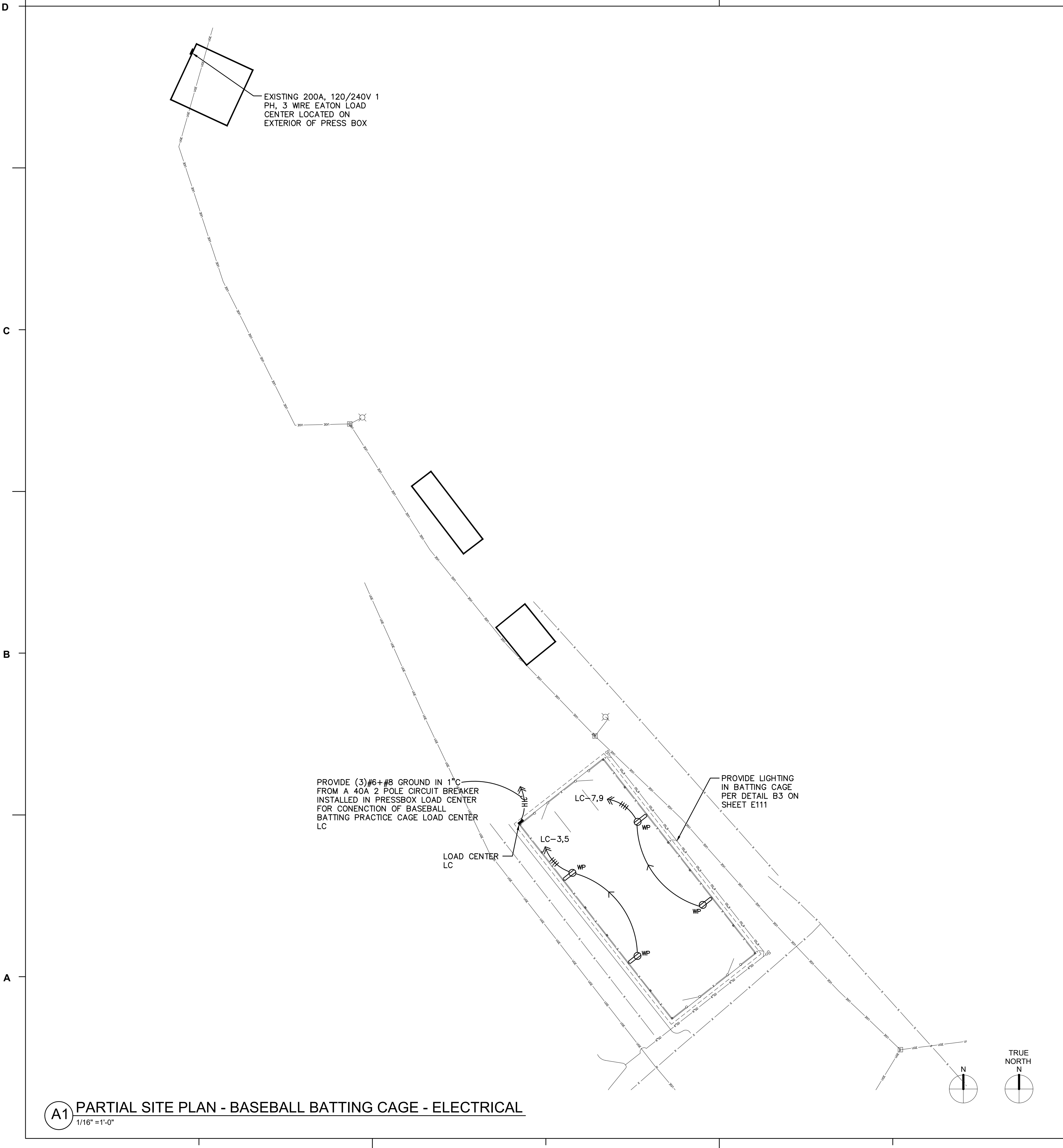
REVISIONS:

No.	Description	Date

PROJECT: 2201-210535  
DATE: 04/12/2022

**BASEBALL AND SOFTBALL BATTING CAGES - ELECTRICAL**

**E-001**

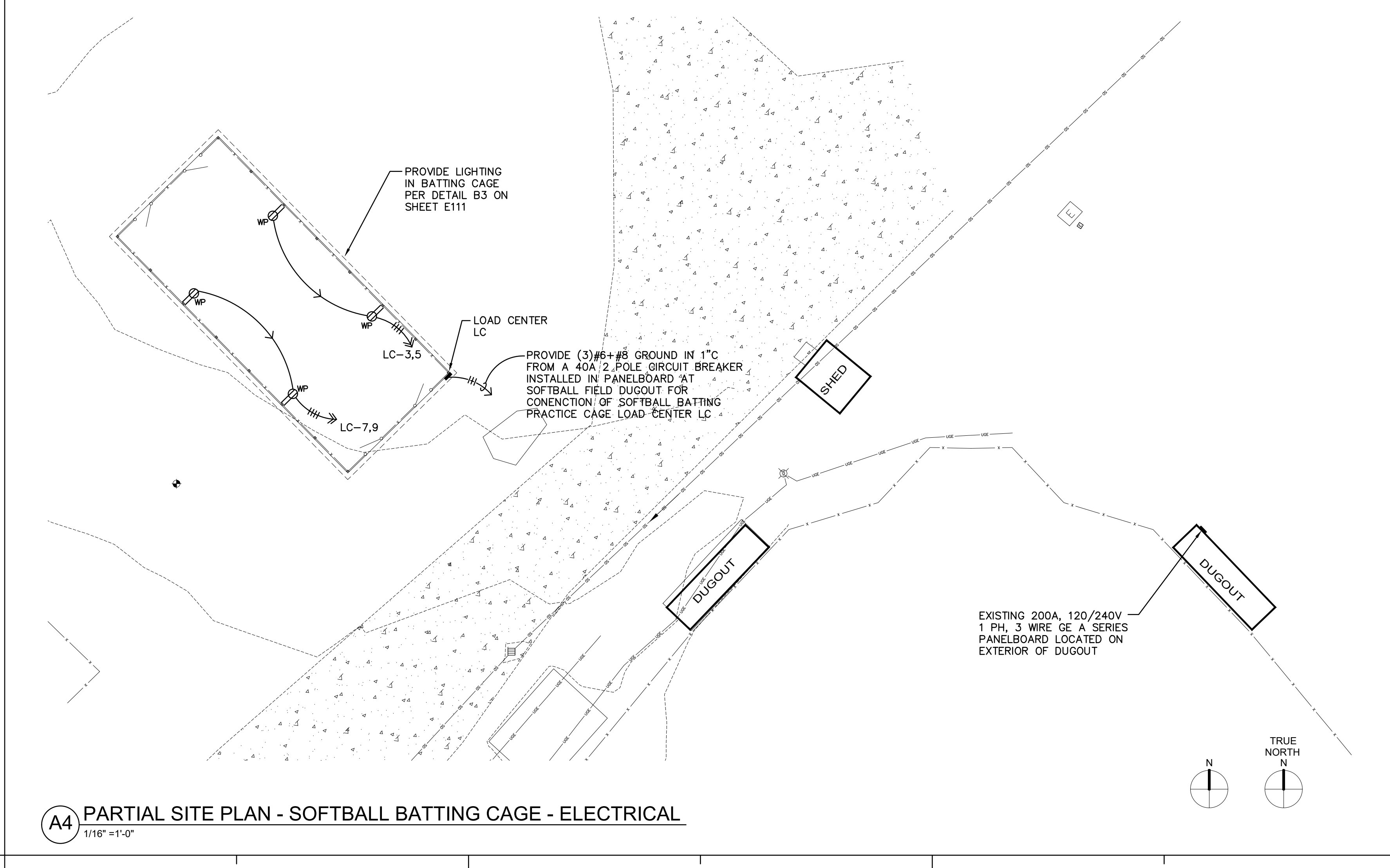


### C4 BATTING CAGE LOAD CENTER LC SCHEDULE

N.T.S.

PANEL NAME: LC													
VOLTAGE: 120/240V 1ø 3 WIRE LOAD CENTER					MANS. TRM: 40A MCB Surface, NEMA 3R MINIMUM SYM IC: 10000								
OR DESCRIPTION	CONDUIT	PHASE	NEUT	OND	TRIP	(S / N)	TRIP	CONDUIT	PHASE	NEUT	OND	DESCRIPTION	OR
1 LIGHTING	3/4"	#12	#12	#12	20		20					SPARE	2
3 RECEPTACLE	3/4"	#12	#12	#12	20		20					SPARE	4
5 RECEPTACLE	3/4"	#12	#12	#12	20							Space only	6
7 RECEPTACLE	3/4"	#12	#12	#12	20							Space only	8
9 RECEPTACLE	3/4"	#12	#12	#12	20							Space only	10
11 SPARE					20							Space only	12

NOTE: TYPICAL LOAD CENTER FOR BASEBALL AND SOFTBALL BATTING PRACTICE CAGES.

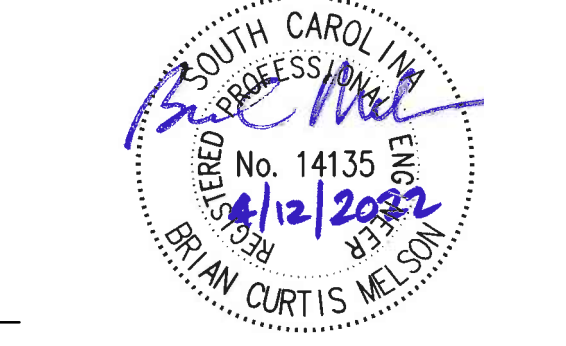
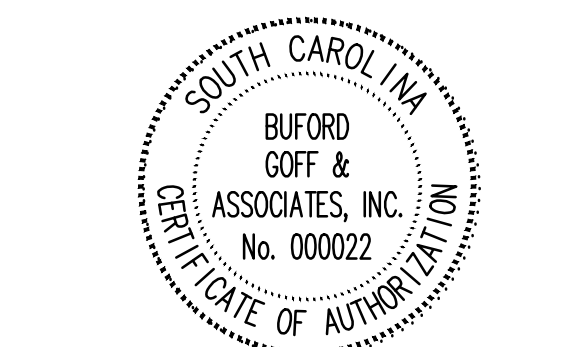




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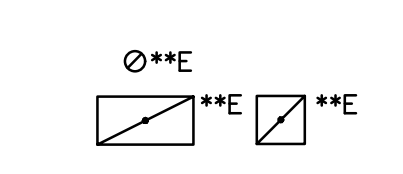
**PARTIAL FLOOR  
PLANS - LIGHTING**

**E-101**

**LIGHTING FIXTURE SCHEDULE**

TYPE	MANUFACTURER	CATALOG NUMBER	FINISH	LAMPS		VOLT-AGE	REMARKS
				QUAN.	WATTS		
H	HE WILLIAMS COLUMBIA LITHONIA	96-4-L62-840-DFR-SS-UNV LXEM-4-40K-HL-DFR-E-U-SSL FEM-L48-8000LM-IMAFD-MD-40K-80-STSL	WHITE PAINT AFTER FAB.	-	LED 48	UNV	SURFACE MOUNT FULLY ENCLOSED & GASKETED, WET LOCATION FIXTURE, WITH STAINLESS STEEL LATCHES.
WM1	RAB	VANLED-10-N-FR	BRONZE	-	LED 10	UNV	LED SQUARE CEILING MOUNT
W1	LSI HUBBELL LITHONIA	XWS-LED-2L-MTD-UNV-40-XX LNC2-9L-4K-700-3-U-XX ARC1LED-P2-4K-MVOLT-FA	BLACK	-	LED 21	UNV	LED WALL MOUNT FULL CUTOFF WALL PACK, WITH SURFACE CONDUIT ADAPTER.

**EMERGENCY LIGHTING NOTES**

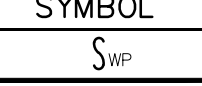
- CIRCUITING FOR EMERGENCY, NIGHT AND EXIT SIGN LIGHTING IS NOT SHOWN ON FLOOR PLANS FOR CLARITY.
- LIGHTING FIXTURES CONNECTED TO EMERGENCY LIGHTING CIRCUITS ARE IDENTIFIED BY THE FOLLOWING SYMBOLS AND SUFFIXES:  
  
 \*\* = FIXTURE TYPE DESIGNATION
- EMERGENCY FIXTURES WITH "E" SUFFIX SHALL BE FURNISHED WITH AN EMERGENCY BATTERY BACKUP BY IOTA OR APPROVED EQUAL.

**EMERGENCY LIGHTING NOTES**  
D5  
E100 N.T.S.

- GENERAL LIGHTING INSTALLATION NOTES:**
- PROVIDE MINIMUM #12 AWG CONDUCTORS FOR LIGHTING BRANCH CIRCUIT OR LARGER WHERE INDICATED.
  - THE CONTRACTOR SHALL PROVIDE AN UNSWITCHED CONDUCTOR TO ALL EMERGENCY FIXTURES AS REQUIRED FOR EMERGENCY OPERATION. SEE EMERGENCY LIGHTING NOTES.
  - CONTRACTOR SHALL REMOVE ALL EXISTING LIGHT FIXTURES AND IN AREAS INDICATED TO RECEIVE NEW LIGHTING.
  - NEW EXTERIOR LIGHTING FIXTURES SHALL BE CONNECTED TO AND CONTROLLED WITH EXISTING EXTERIOR BUILDING MOUNTED LIGHTING. PROVIDE UNSWITCHED CONDUCTOR TO ALL EXTERIOR FIXTURES DESIGNATED AS EMERGENCY.

**GENERAL LIGHTING INSTALLATION NOTES**  
C5  
E100 N.T.S.

**LIGHTING CONTROL SYMBOL SCHEDULE**

SYMBOL	DESCRIPTION
	WEATHERPROOF SWITCH

**LIGHTING CONTROL SYMBOL SCHEDULE**  
B5  
E100 N.T.S.

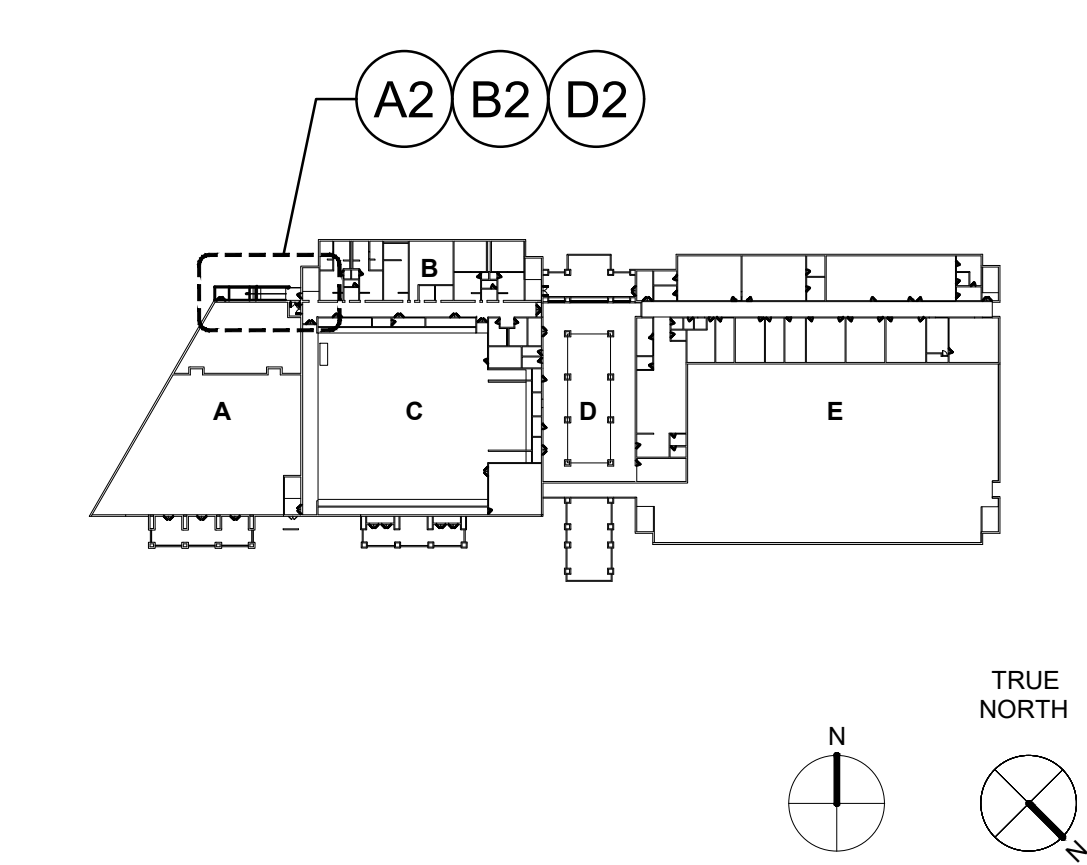
**GENERAL NOTES**

- EMERGENCY FIXTURES: IN ADDITION TO THE NORMAL SWITCHED CONDUCTOR, EMERGENCY FIXTURES SHALL HAVE AN ADDITIONAL UNSWITCHED NORMAL POWER SENSE CONDUCTOR EXTENDED FROM THE AREA LIGHTING CIRCUIT FOR DETECTION OF LOSS OF NORMAL POWER.
- EXTERIOR BUILDING MOUNTED FIXTURES: CONNECT TO EXISTING BUILDING MOUNTED LIGHT CIRCUIT. EXTEND ADDITIONAL UNSWITCHED CONDUCTOR TO EACH LOCATION FOR NORMAL POWER SENSE.

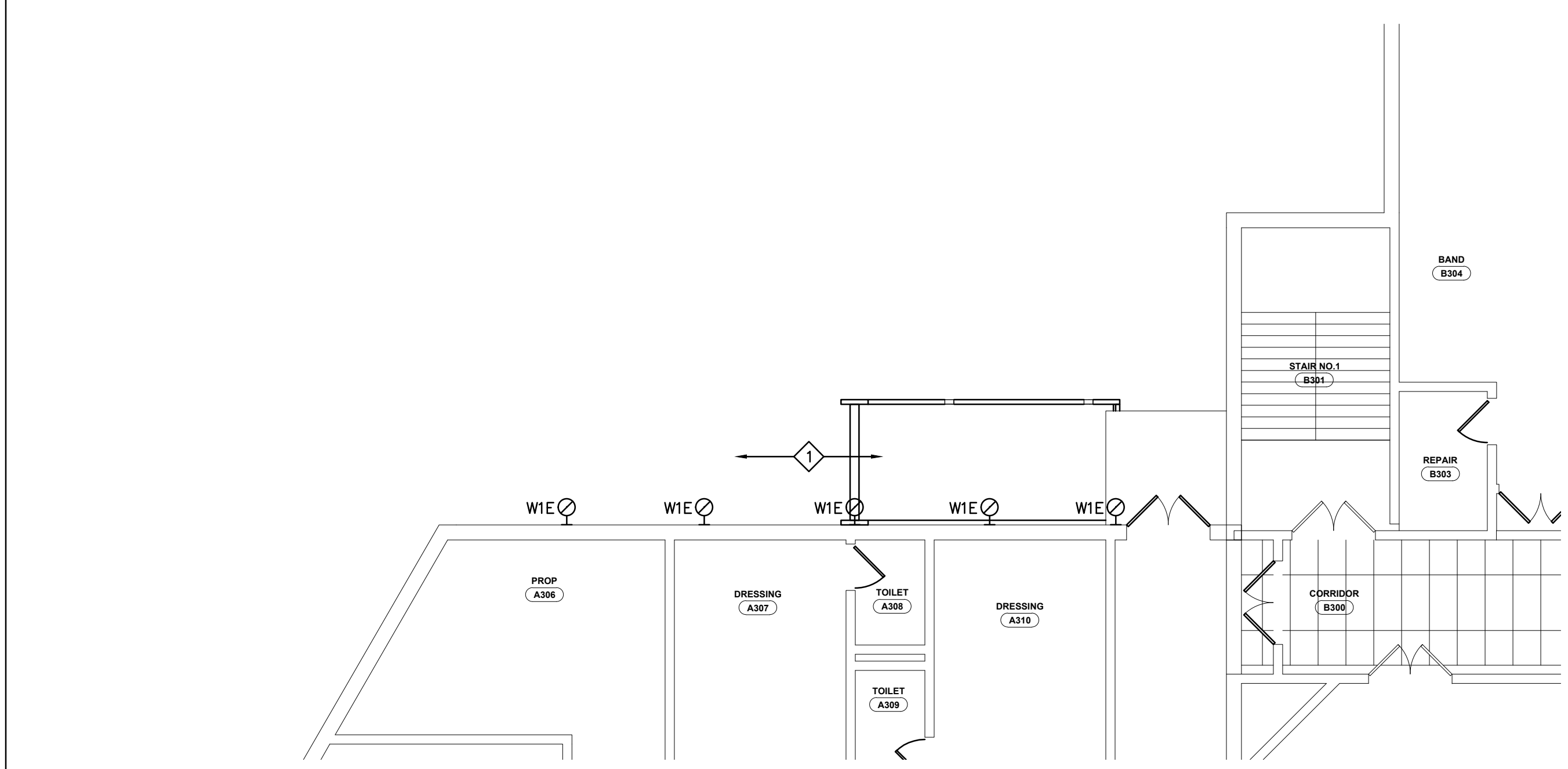
**KEYNOTES**

 REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS OF FIXTURES.

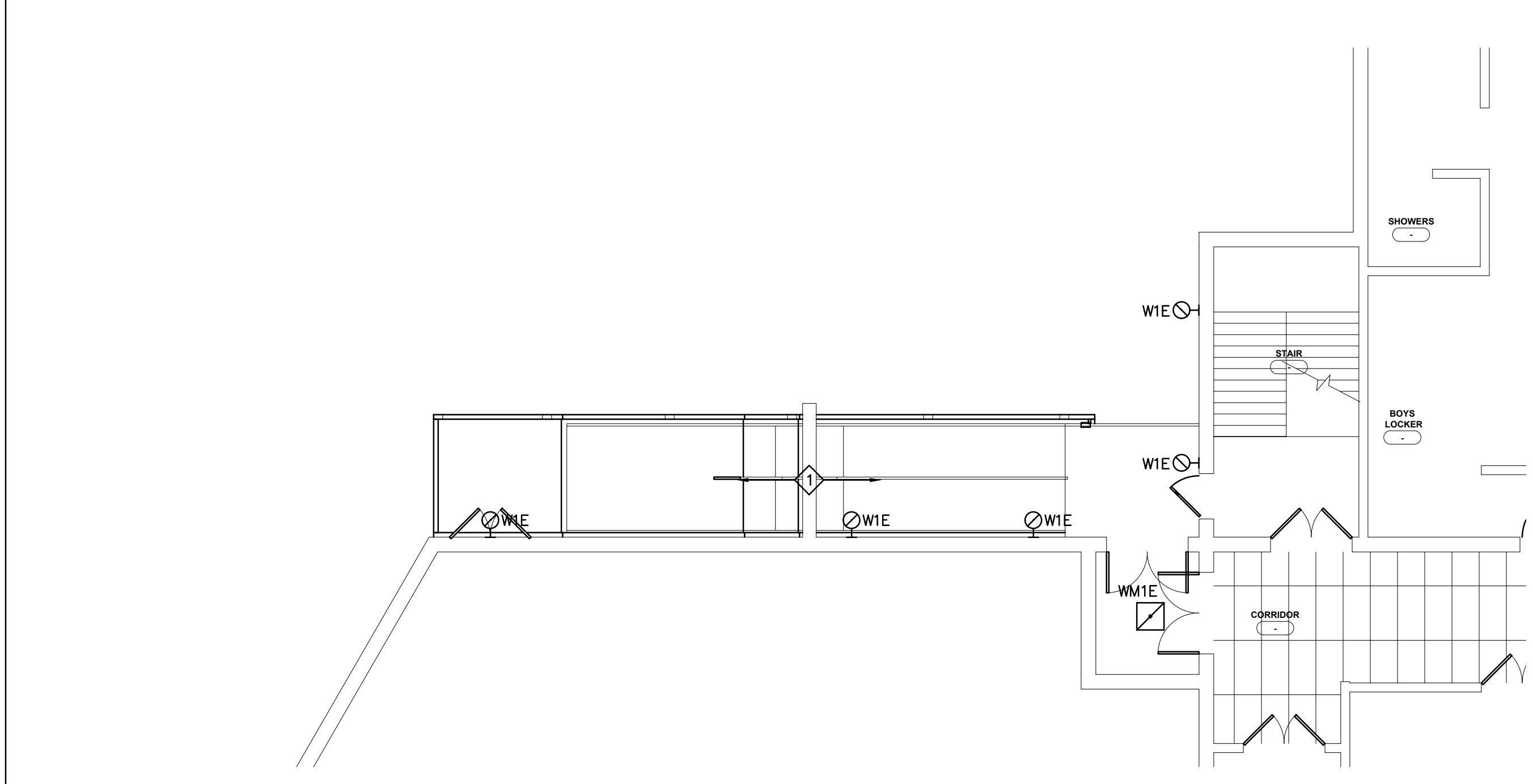
**KEYPLAN**



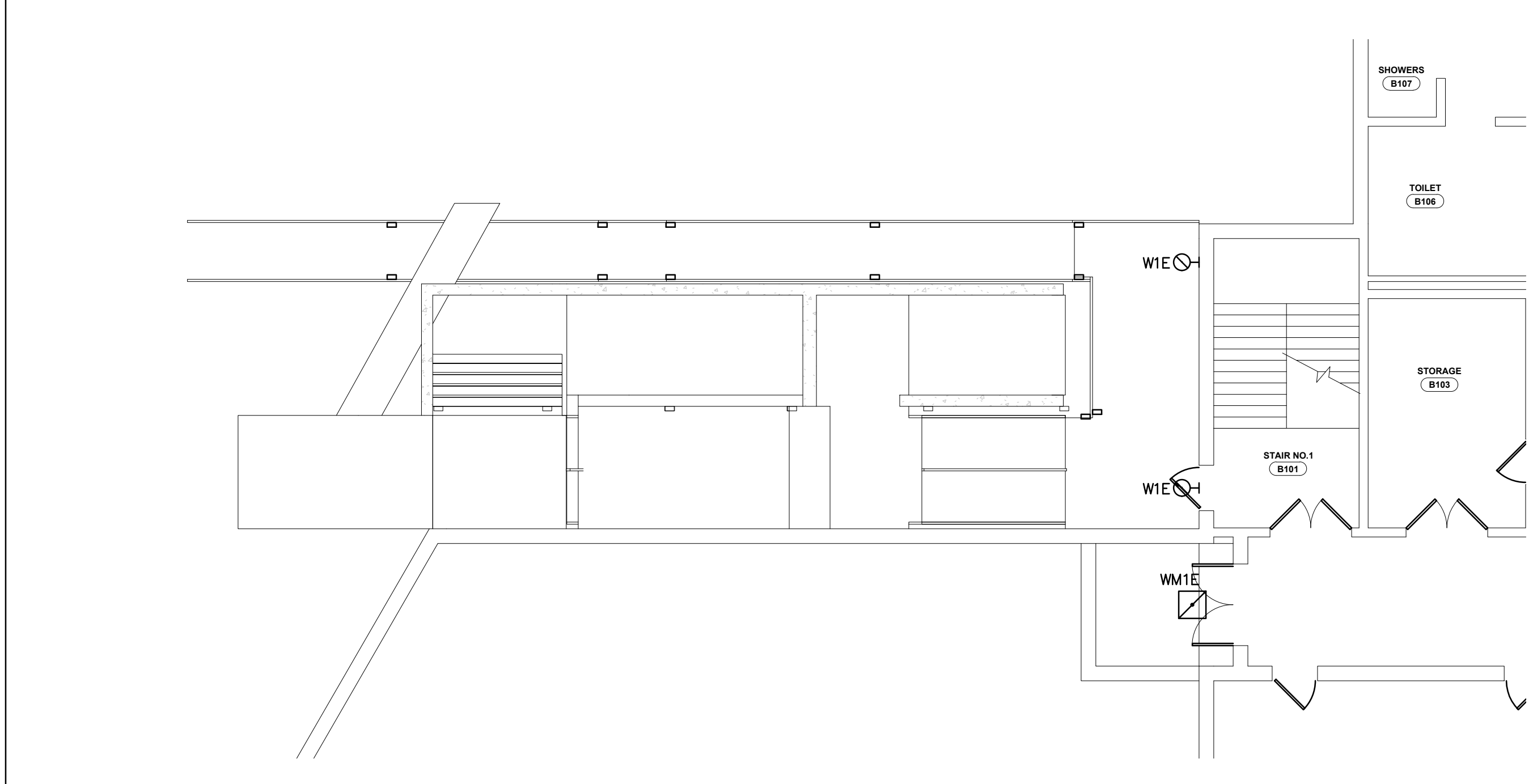
E  
D  
C  
B  
A



**D2 PARTIAL THIRD FLOOR PLAN - AREA A- LIGHTING**  
1/8" = 1'-0"



**B2 PARTIAL SECOND FLOOR PLAN - AREA A- LIGHTING**  
1/8" = 1'-0"



**A2 PARTIAL FIRST FLOOR PLAN - AREA A- LIGHTING**  
1/8" = 1'-0"

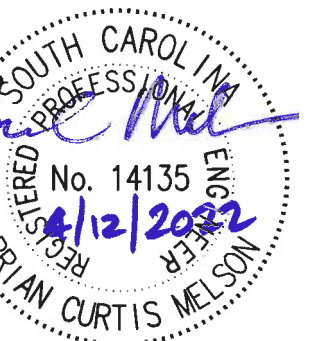
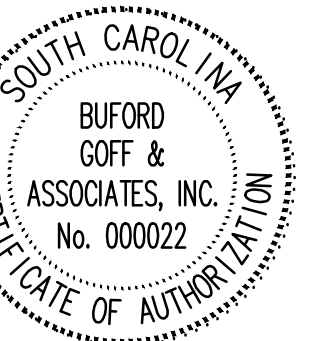
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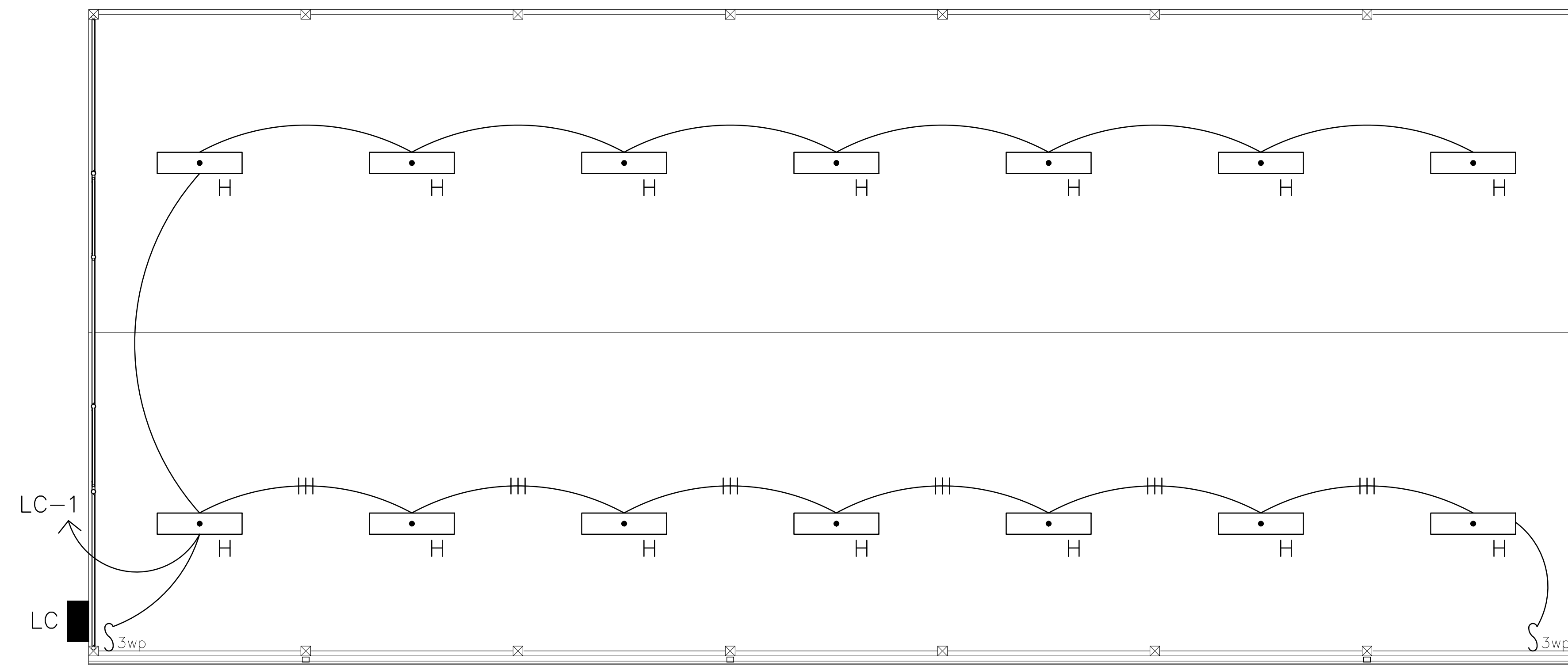
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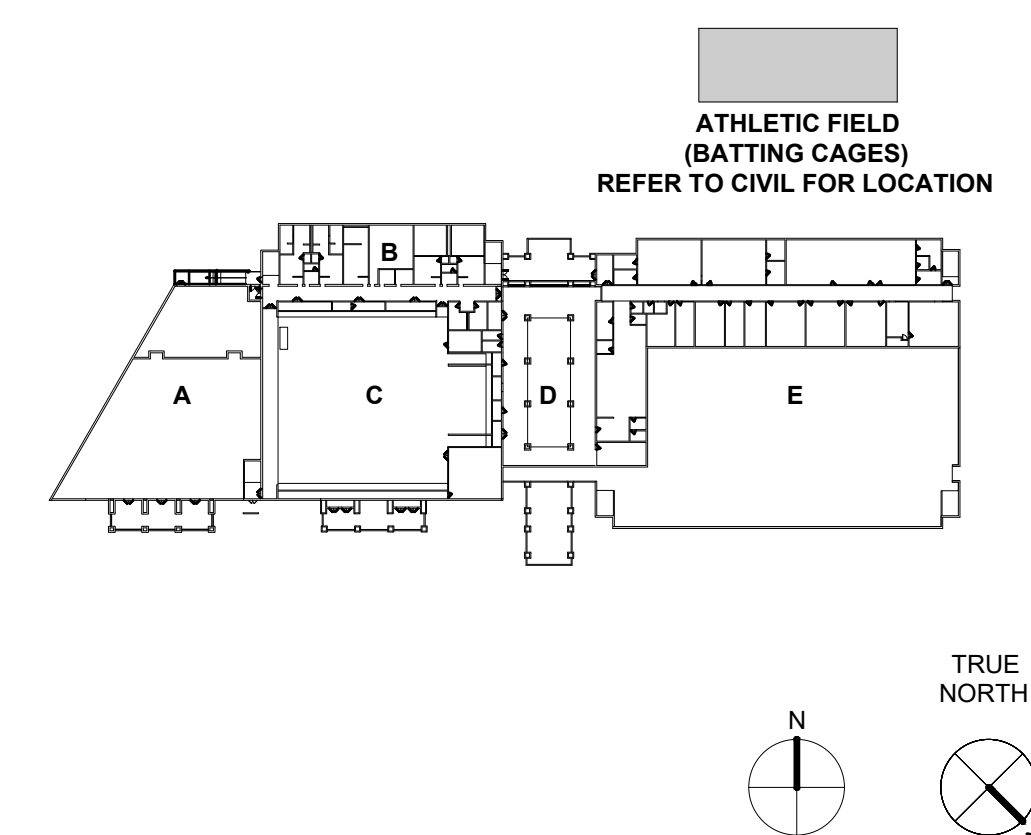
ATHLETIC  
BUILDING -  
BATTING CAGE -  
BASE &  
ALTERNATE 2 -  
ELECTRICAL

**E-111**



**(B3)** PARTIAL FLOOR PLAN - LIGHTING  
1/4" = 1'-0"

KEYPLAN



E

D

C

B

A

1

2

3

4

5

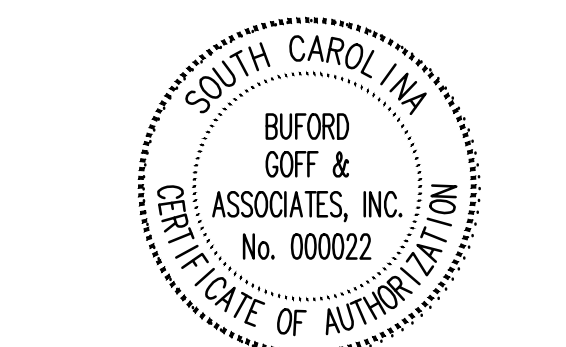
6



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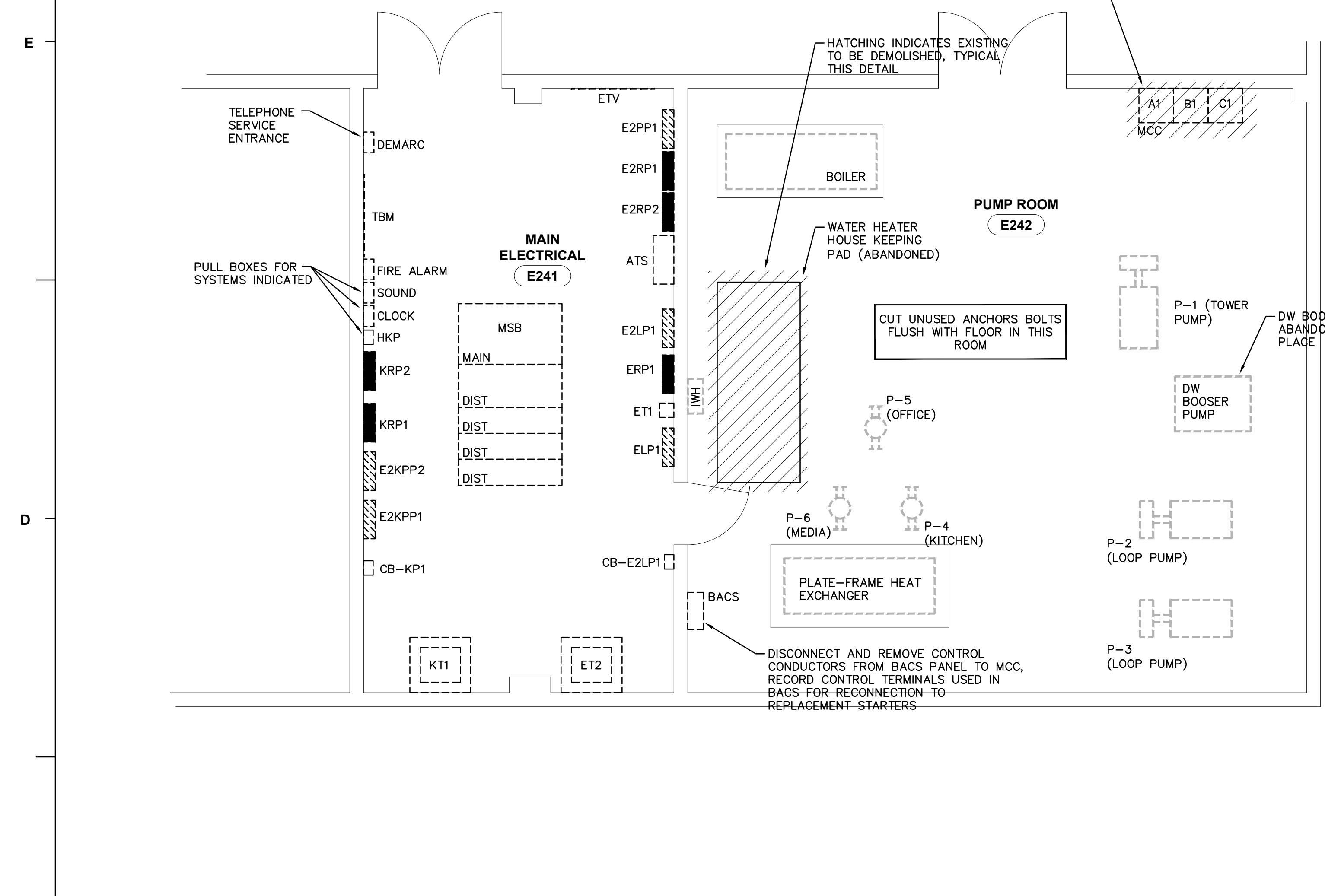
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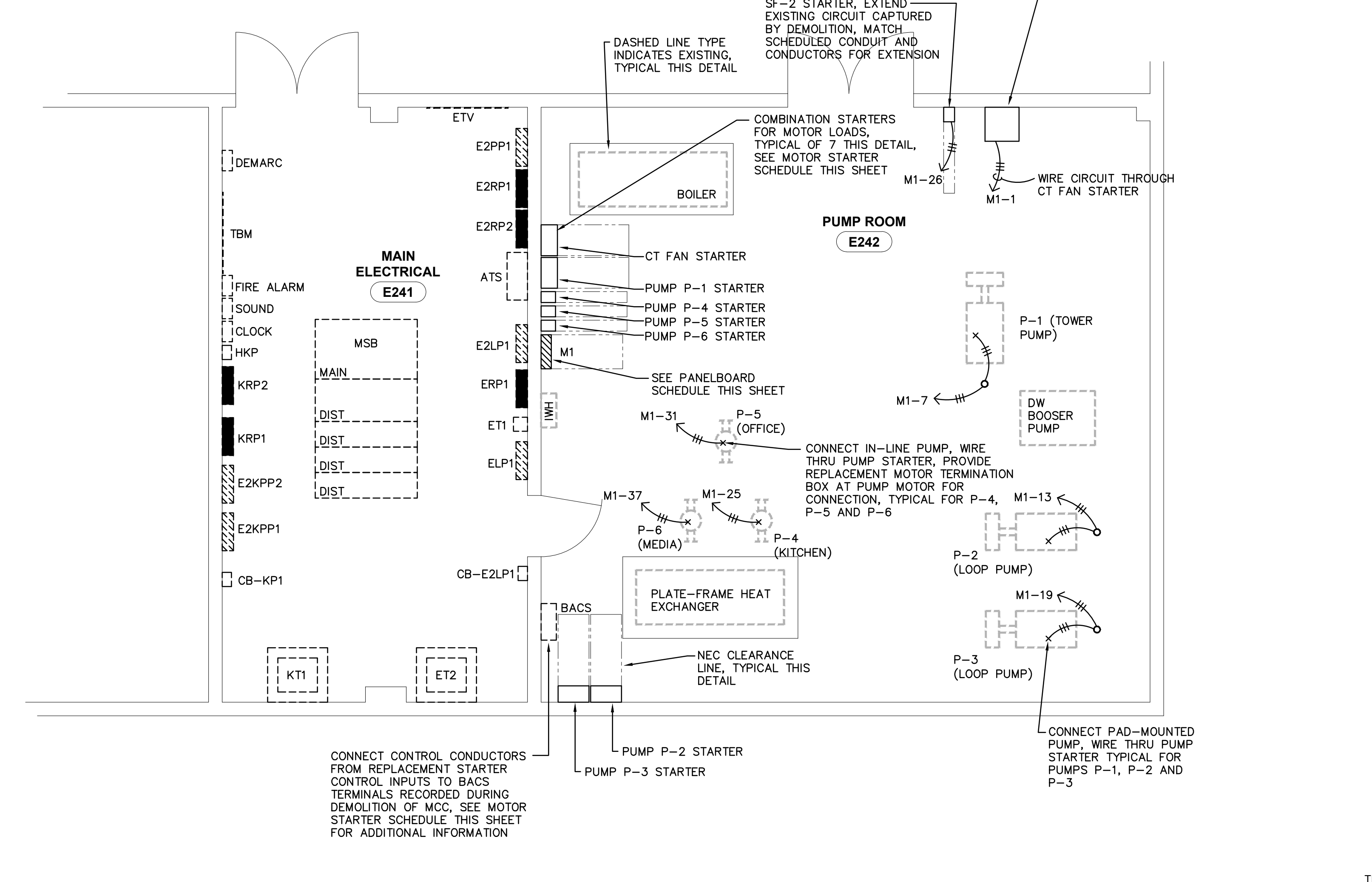
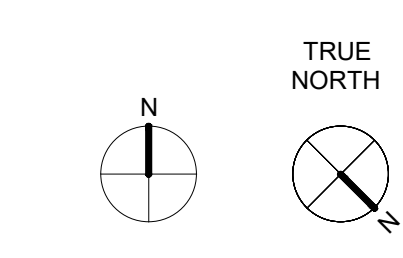
PROJECT: 2201-210535  
DATE: 04/12/2022

## PUMP ROOM MCC REPLACEMENT - ALTERNATE 3 - ELECTRICAL

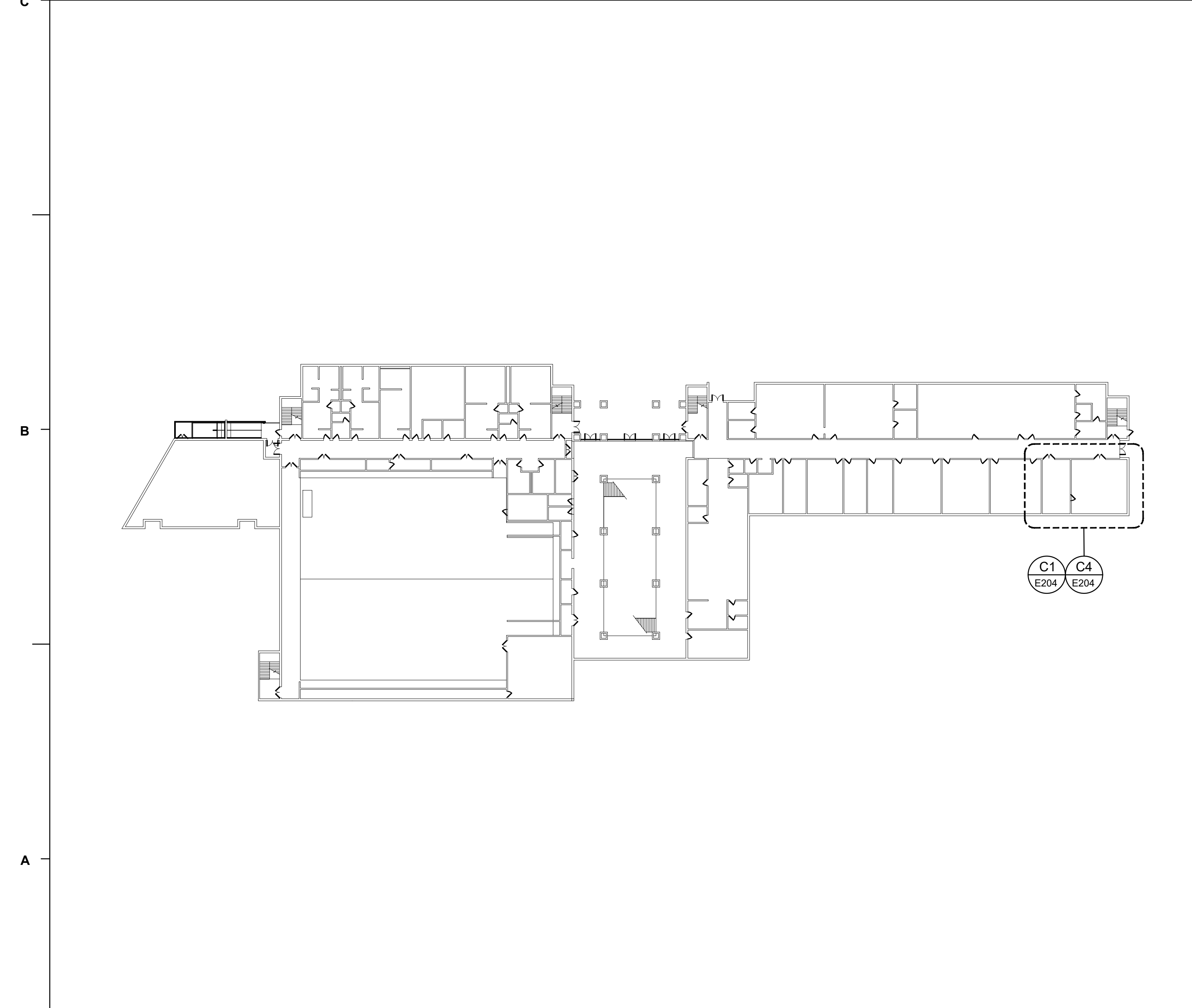
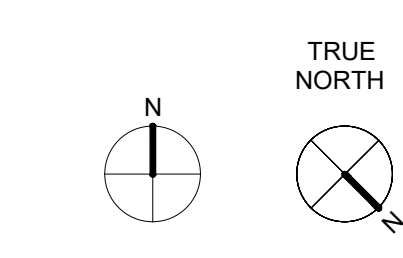
# E-201



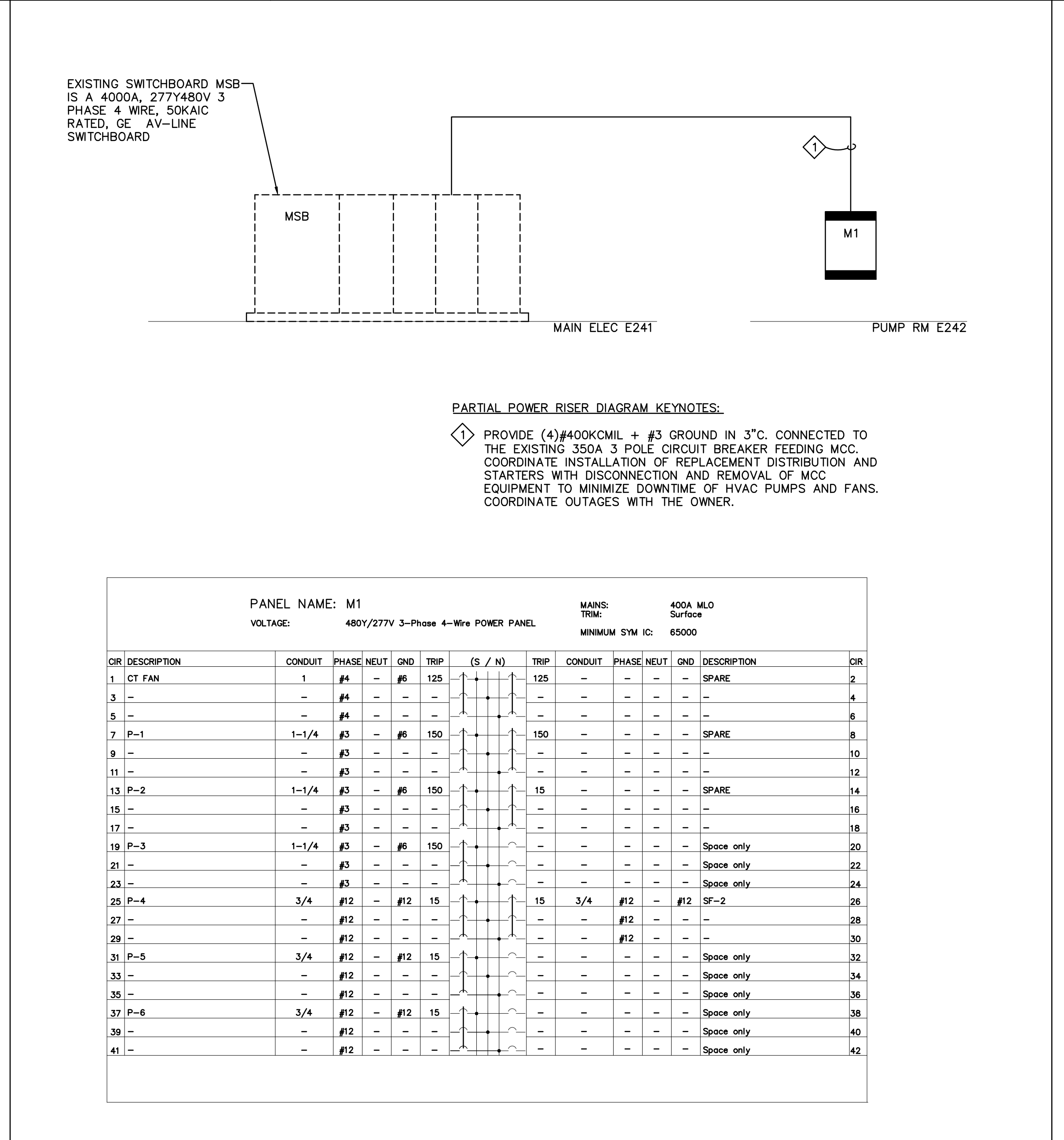
C1 PARTIAL FLOOR PLAN - MAIN ELECTRICAL AND MECHANICAL ROOMS - DEMOLITION  
1/4" = 1'-0"



C4 PARTIAL FLOOR PLAN - MAIN ELECTRICAL AND MECHANICAL ROOMS - RENOVATION  
1/4" = 1'-0"



A1 PUMP ROOM AND MAIN ELECTRICAL ROOM LOCATION - LEVEL 2  
1" = 40'-0"



A3 PARTIAL POWER RISER DIAGRAM AND PANELBOARD SCHEDULE M1  
1/4" = 1'-0"

LOAD DESIGNATION	LOAD HP	STARTER SIZE (NEMA)	COIL VOLTAGE	ENCLOSURE	AIC RATING	FUSE (RK1)
CT FAN	40	SIZE 3	120V	NEMA 12/3R	100KA	100A
PUMP P-1	50	SIZE 3	120V	NEMA 12/3R	100KA	125A
PUMP P-2	50	SIZE 3	120V	NEMA 12/3R	100KA	125A
PUMP P-3	50	SIZE 3	120V	NEMA 12/3R	100KA	125A
PUMP P-4	3	SIZE 0	120V	NEMA 12/3R	100KA	9A
PUMP P-5	3	SIZE 0	120V	NEMA 12/3R	100KA	9A
PUMP P-6	3	SIZE 0	120V	NEMA 12/3R	100KA	9A
FAN SF-2	3/4	SIZE 0	120V	NEMA 12/3R	100KA	2.25A

- MOTOR STARTER SCHEDULE NOTES:
- MOTOR STARTERS SHALL BE COMBINATION FUSED DISCONNECT AND NEMA TYPE MOTOR STARTERS WITH SOLID STATE OVERLOAD RELAY AND INTEGRAL FUSED CONTROL POWER TRANSFORMER. SIZE AND AIC RATING AS INDICATED ON SCHEDULE.
  - MOTOR STARTERS SHALL BE THE PRODUCT OF ONE THE FOLLOWING APPROVED MANUFACTURERS: SQUARE D CLASS 8538 (BASIS OF DESIGN) OR EQUAL BY EATON, ALLEN-BRADLEY AND SIEMENS.
  - CONTROL COIL AND CONTROL POWER TRANSFORMER SECONDARY VOLTAGE SHALL BE AS SPECIFIED IN SCHEDULE.
  - CONTROL POWER TRANSFORMER SHALL BE SIZED FOR OPERATION OF CONTACTOR AND PILOT LAMPS.
  - PROVIDE MOTOR STARTERS WITH HAND-OFF-AUTO SELECTOR SWITCH.
  - PROVIDE WITH TWO PILOT LIGHTS, ONE RED LAMP TO INDICATE MOTOR IS RUNNING, ONE GREEN LAMP TO INDICATE MOTOR IS STOPPED. PILOT LIGHTS SHALL UTILIZE LED LAMPS.
  - SOLID STATE OVERLOAD RELAY SHALL BE SQUARE D TYPE SSOLR OR EQUAL BY APPROVED MANUFACTURER. SSOLR SHALL BE OF APPROPRIATE RATING FOR CONTACTOR NEMA SIZE. ADJUST SSOLR TO MATCH MOTOR HORSEPOWER LISTED IN MOTOR STARTER SCHEDULE.
  - INTEGRAL DISCONNECT SWITCH SHALL UTILIZE CLASS R (RK1) FUSES, SIZES AS LISTED IN SCHEDULE. PROVIDE TWO SPARE SETS OF EACH SIZE OF FUSE LISTED.
  - CONNECT MOTOR STARTER TO BACS PANEL CONTROL TERMINALS FOR CONTROLLED LOAD, PROVIDE 3/4" C. WITH (2) #16 AWG FOR CONNECTION.
  - WALL MOUNT MOTOR STARTERS 4"-6" TO TOP OF ENCLOSURE UNO.

A5 MOTOR STARTER SCHEDULE  
1/4" = 1'-0"