

**GIBRALTAR**  
DESIGN  
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT  
**CHESTERTON HS  
SOCCER FIELD**

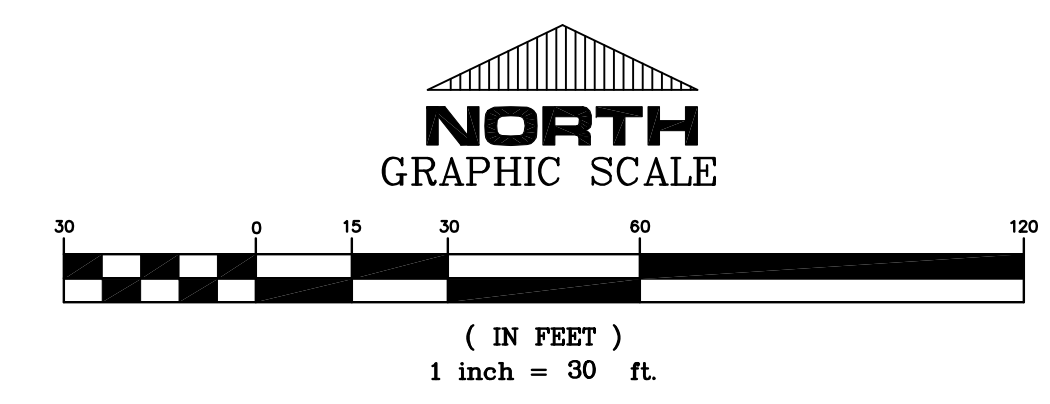
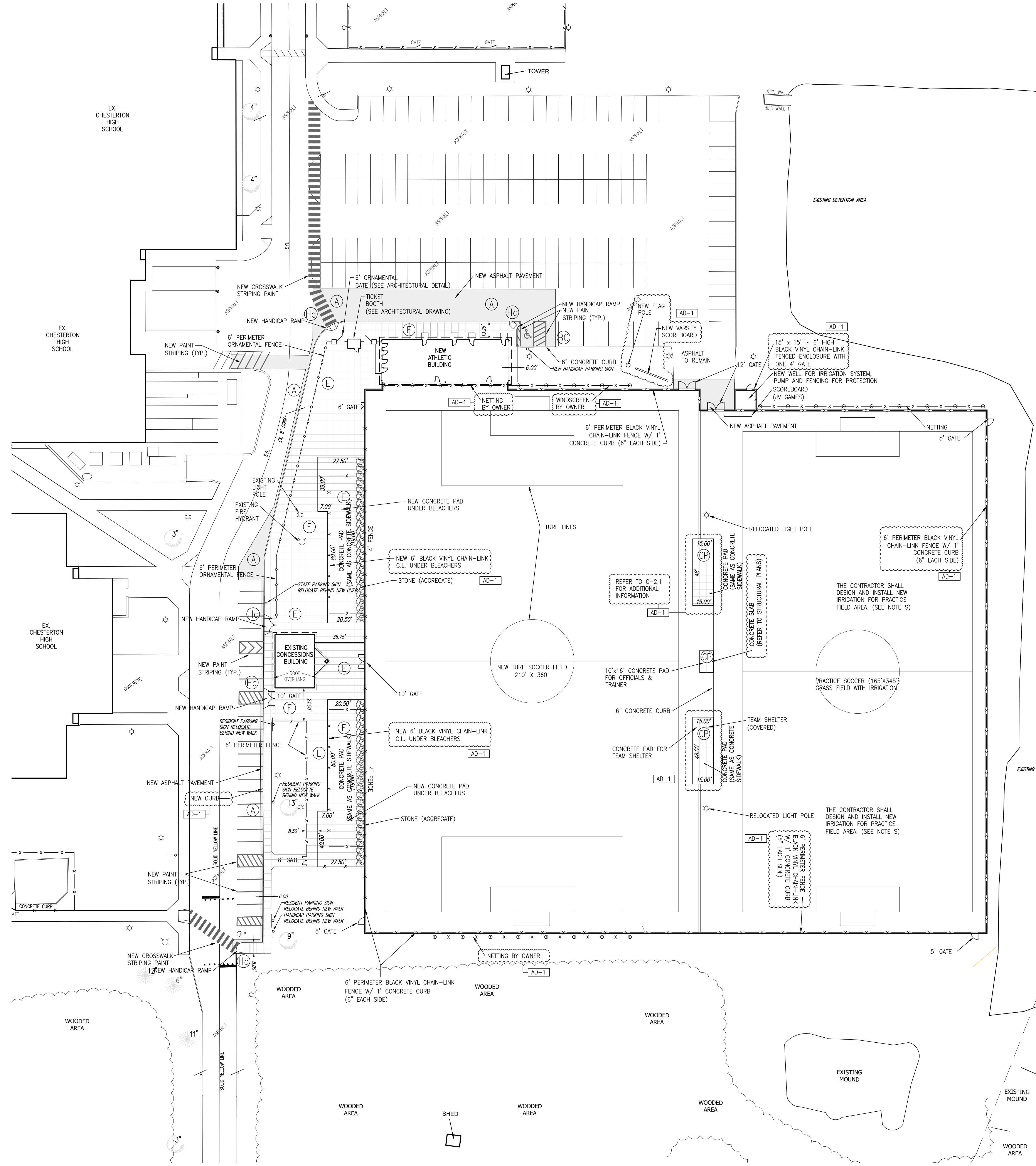
DUNELAND SCHOOL CORPORATION  
CHESTERTON, INDIANA

**GENERAL CONSTRUCTION NOTES:**

- A. CONTRACTOR IS TO VERIFY ALL ELEVATIONS AND NOTIFY CONSTRUCTION MANAGER AND ARCHITECT OF ANY DISCREPANCIES.
- B. UNDERGROUND UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS BASED ON INFORMATION AT THE TIME OF SURVEY, AND SOME UTILITIES ARE NOT SHOWN. REGARDLESS OF SHOWN OR NOT, THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING EXACT LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES TO REMAIN AND REPAIRING OR REPLACING ANY DAMAGE DUE TO CONSTRUCTION ACTIVITY. CONTRACTOR IS TO NOTIFY CONSTRUCTION MANAGER AND ARCHITECT OF ANY DISCREPANCIES.
- C. CONTRACTOR IS RESPONSIBLE FOR COSTS ASSOCIATED WITH DISCONNECTING, REMOVING, OR RELOCATING/RECONNECTING EXISTING UTILITIES ALONG WITH CONNECTING NEW UTILITIES ASSOCIATED WITH CONSTRUCTION SCOPE.
- D. VALVES, MANHOLES, HAND-HOLES, UTILITY BOXES, AND SIMILAR STRUCTURES NOT DESIGNATED FOR REMOVAL, SHALL BE PROTECTED AND ADJUSTED TO NEW FINISH ELEVATIONS BY CONTRACTOR.
- E. CONTRACTOR IS TO VERIFY ALL DIMENSIONS, VERTICALLY AND HORIZONTALLY BETWEEN EXISTING AND NEW CONSTRUCTION, AND NOTIFY CONSTRUCTION MANAGER/ARCHITECT IF ANY DISCREPANCIES.
- F. SYNTHETIC TURF SURFACE SHALL BE INSTALLED AT THE GRADES SHOWN FROM TOP EDGE OF NEW CONCRETE CURB AND EXTENDED TO CENTER LINE OF FIELD FROM SIDELINES AND FROM ENDLINES.
- G. CONTRACTOR IS TO PROVIDE TOTAL ARTIFICIAL TURF REPLACEMENT COMPLETE, NEW TURF, NEW PERIMETER CURBING, NEW INFILL, NEW 2X4, PERIMETER TREATED WOOD BLOCKING, AND NEW LOGOS/TEXT IF REQUIRED.
- H. CONTRACTOR IS TO MATCH ALL EXISTING LINework AS APPLICABLE AND DESIRED BY OWNER.
- I. CONTRACTOR IS TO COORDINATE AND PROVIDE FOR SUB-TURF ACCESS TO ANY EXISTING VALVES, HAND-HOLES, OR UTILITY BOXES AS REQUIRED.
- J. CONTRACTOR SHALL REMOVE AND REINSTALL EXISTING SOCCER GOALS AS REQUIRED.
- K. CONTRACTOR SHALL PROVIDE A CLEAN SAWCUT LINE AND REMOVE THE MINIMUM AMOUNT OF EXISTING ASPHALT IN ORDER TO INSTALL NEW CONCRETE CURB/SIDEWALK.
- L. CONTRACTOR IS REQUIRED TO MATCH THE EXISTING GRADES TO THE GREATEST DEGREE POSSIBLE.
- M. CONTRACTOR IS TO COORDINATE AND PROVIDE FOR SUB-TURF ACCESS TO ANY EXISTING VALVES, HAND-HOLES OR UTILITY BOXES AS REQUIRED.
- N. CONTRACTOR SHALL PROVIDE NEW SYNTHETIC TURF AND SUB-BASE DRAINAGE SYSTEM TO BE APPROVED BY THE ARCHITECT/ENGINEER PRIOR TO INSTALLATION. THE SUB-BASE DRAINAGE SYSTEM SHALL BE CONNECTED INTO THE STORM SEWER LINE PROVIDED AT THE NORTHWEST CORNER OF THE FIELD.
- O. CONTRACTOR SHALL PROVIDE NEW SCOREBOARD FOR BOTH VARSITY AND JUNIOR VARSITY PLAYING FIELDS IN ACCORDANCE WITH ARCHITECTURAL DESIGN, IN THE LOCATION SHOWN ON THE SITE PLAN.
- P. ALL END LINES AND SIDELINES SHALL BE CONTINUOUS LINES 6" WIDE, TYPICAL ALL OTHER LINES ARE 4" WIDE, TYPICAL.
- Q. CONTRACTOR SHALL PROVIDE NEW FLAGPOLE.
- R. CONTRACTOR SHALL INSTALL NEW FENCING AROUND THE PERIMETER OF THE SITE AS SHOWN. THE FENCING SHALL BE 10 FEET HIGH IN DESIGNATED AREAS.
- S. CONTRACTOR SHALL GRADE NEW PRACTICE FIELD IN ACCORDANCE WITH THE GRADES SHOWN AND PROVIDE AN IRRIGATION SYSTEM THAT SHALL BE APPROVED BY THE ARCHITECT/ENGINEER PRIOR TO INSTALLATION.

**LEGEND:**

- PROPOSED
- (A) TYPICAL ASPHALT
  - (CP) CONCRETE PAVEMENT
  - (E) CONCRETE SIDEWALK & COMBINED CURB/WALK
  - (BC) HIGH-BACK CURB
  - (Hc) HANDICAP ACCESS RAMP
  - CHAIN LINK FENCE IN CONCRETE CURB HEIGHT VARIES (SEE DETAIL)
  - ORNAMENTAL FENCE IN CONCRETE WALK 6' HIGH (SEE DETAIL)
  - WINDSCREEN & NETTING (SEE ARCHITECTURAL DETAIL)
  - SIGN (RELOCATED OR NEW, SEE TEXT)
  - ★ LIGHT POLE (RELOCATED OR EXISTING, SEE TEXT)



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PROJECT  
24-134  
DATE  
01/20/25  
COORDINATED BY  
DCT  
DRAWN BY  
EM DCT  
CHECKED BY  
DCT

**PROFESSIONAL ENGINEER**  
DUNELAND SCHOOL CORPORATION  
STATE OF INDIANA  
No. 19868  
Paul C. Torrey

**REVISIONS**

MARK	DATE	ISSUED FOR
AD-1	02/07/25	ADDENDUM NO. 1

DRAWING  
**SITE PLAN**

PROJECT  
**CHESTERTON HS SOCCER FIELD**

SHEET  
**C-2.0**

Z:\2024-5064 Chesterton High School - Soccer Field.dwg 2/1/2025 1:58:43 PM CST



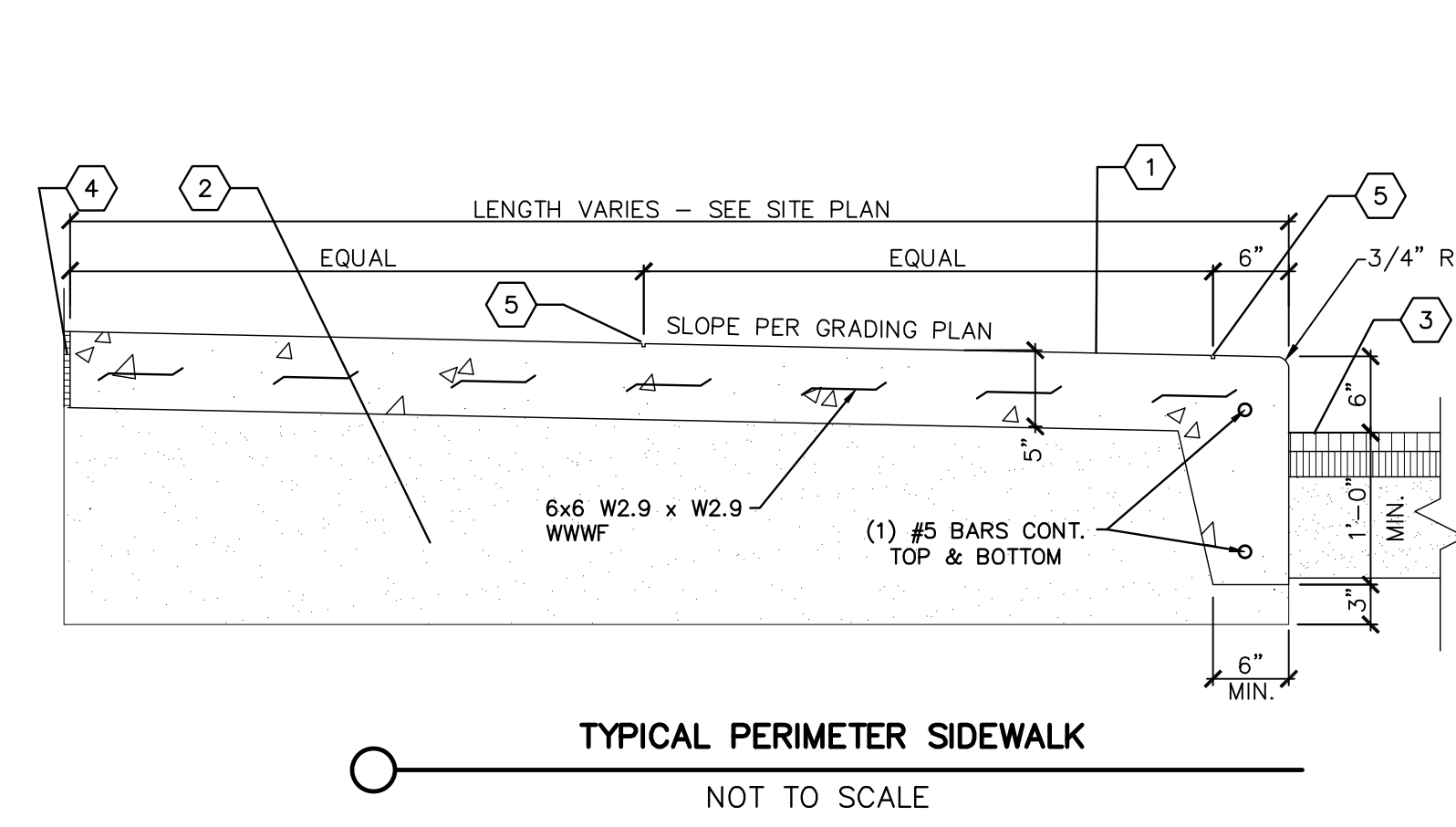


GIBRALTAR DESIGN

ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT CHESTERTON HS SOCCER FIELD

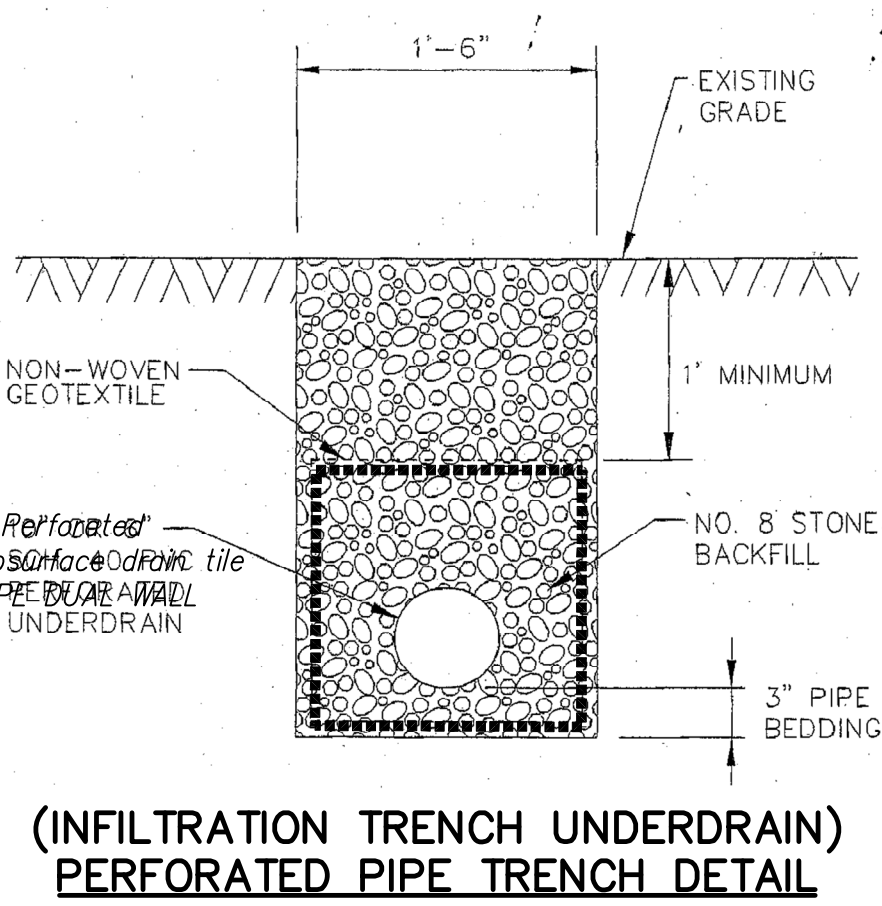
DUNELAND SCHOOL CORPORATION CHESTERTON, INDIANA



TYPICAL PERIMETER SIDEWALK NOT TO SCALE

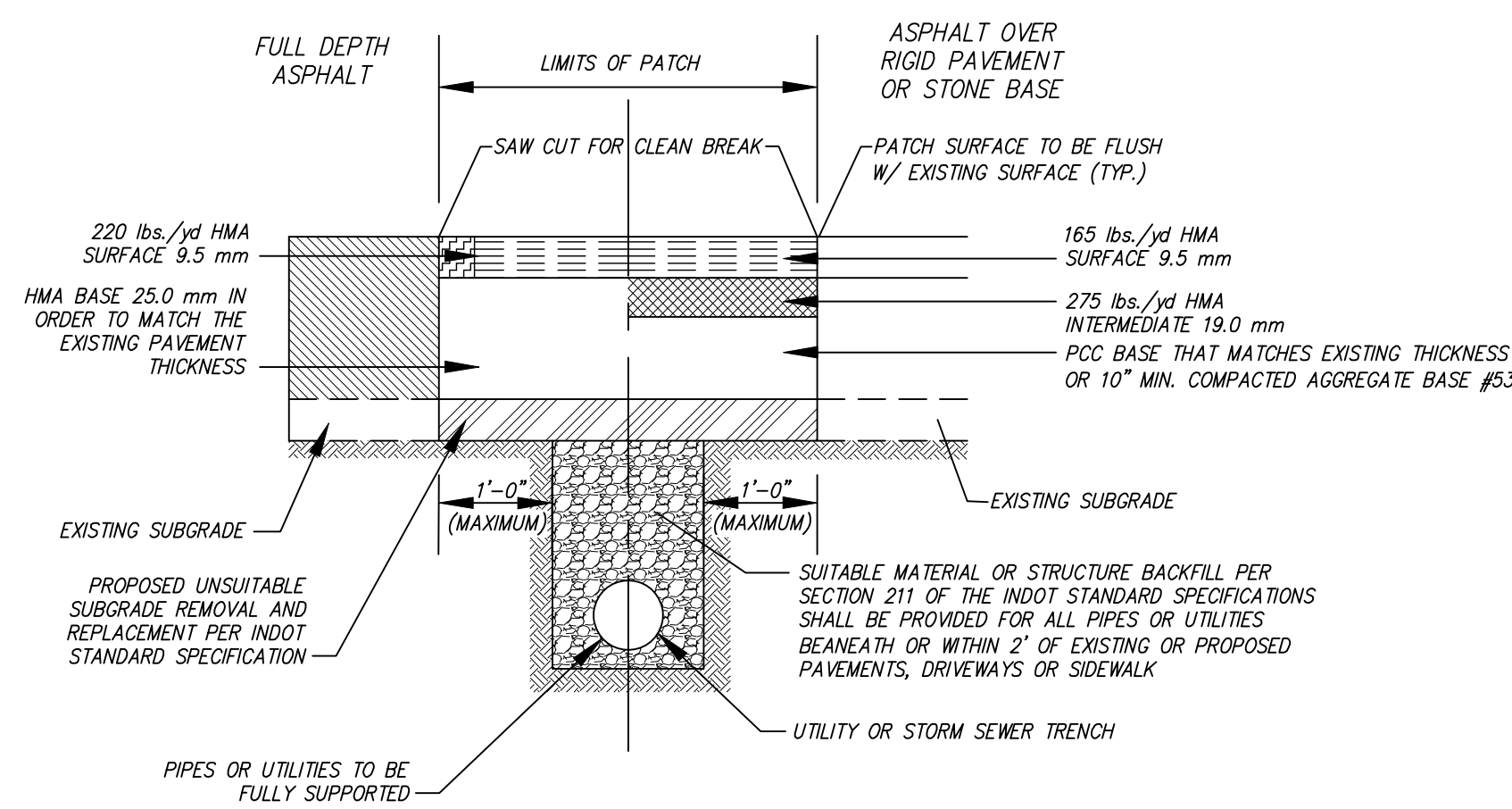
KEYED NOTES

- 1. 5" THICK CONC. BROOM FINISH WITH 6X6 W2.9XW2.9 WWF
2. 6" COMPACTED GRANULAR FILL PROPOSED PAVEMENT
3. COMPRESSIBLE FILLER (3/4" MAXIMUM) CUT BACK AND PROVIDE SEALANT, TYPICAL, AT ALL JOINTS WITH FILLER. (BUTTING BUILDING ONLY)
4. 1/4" TOOLED JOINT (SEE TYPICAL SIDEWALK DETAIL)

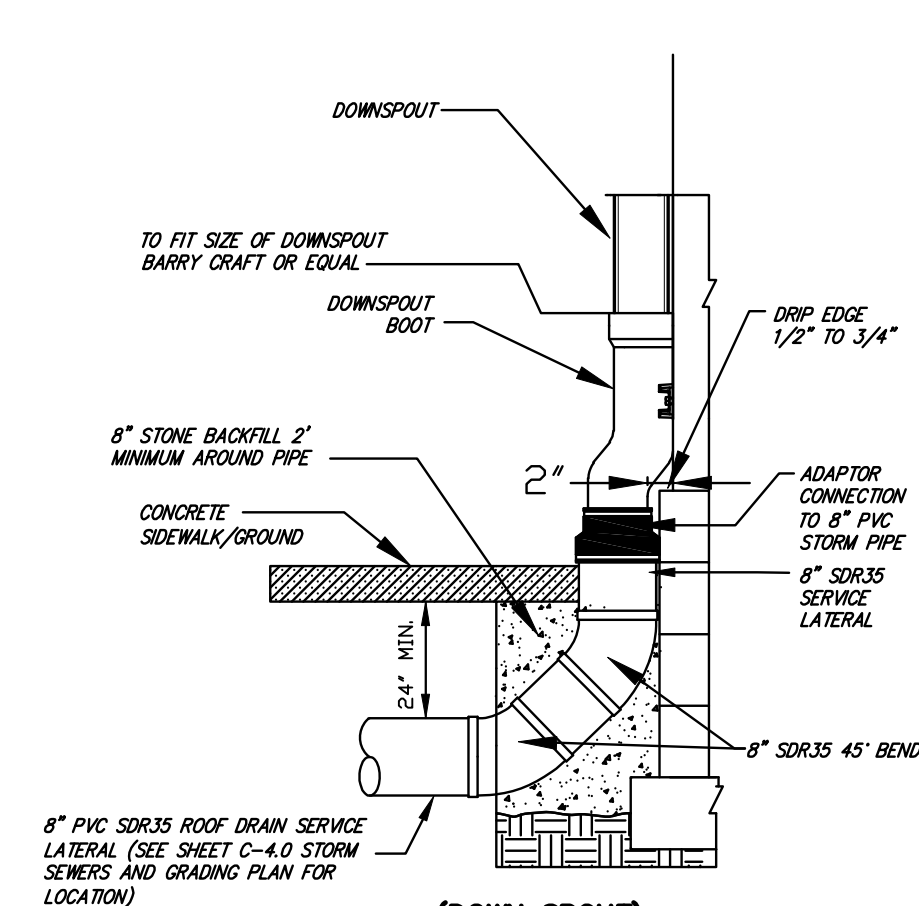


(INFILTRATION TRENCH UNDERDRAIN) PERFORATED PIPE TRENCH DETAIL NOT TO SCALE

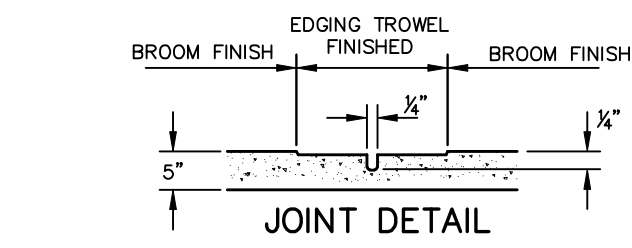
- NOTES: 1. NEW SURFACE IS TO BE SLOPED AT THE SAME RATE AS THE EXISTING
2. EXISTING PAVEMENT IS TO BE SAW CUT FOR A CLEAN BREAK
3. COMPACTED AGGREGATE IS TO BE CONSTRUCTED ACCORDING TO SECTION 300 OF THE LATEST INDOT STANDARD SPECIFICATIONS
4. TRENCH SPOIL AND TRENCH CONSTRUCTION SHALL BE ACCORDING TO SECTION 710 OF THE LATEST INDOT STANDARD SPECIFICATIONS
5. BITUMINOUS TACK APPLIED AS PER CURRENT ISSUE OF INDIANA DEPARTMENT OF HIGHWAY STANDARD SPECIFICATIONS
6. PAVEMENT PATCH SHALL BE SMOOTH AND LEVEL NO MORE THAN 1/4" VARIATION FROM A STRAIGHT EDGE 5'-0" IN LENGTH SHALL BE ALLOWED. SMOOTH RIDABILITY MUST BE MAINTAINED.



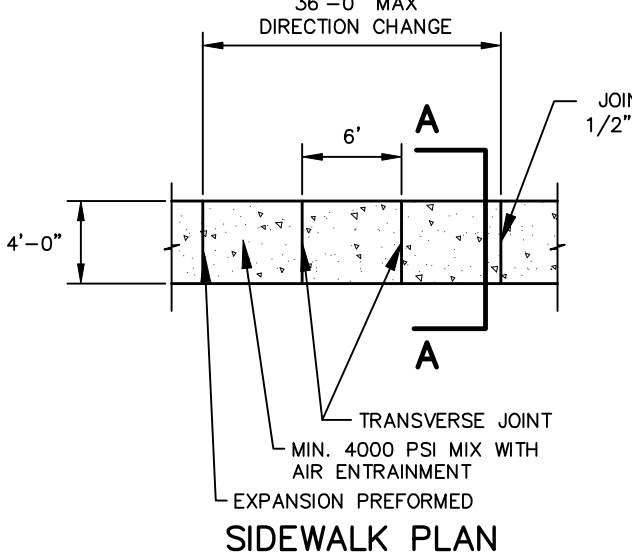
ROADWAY CUT PATCHING DETAIL NOT TO SCALE



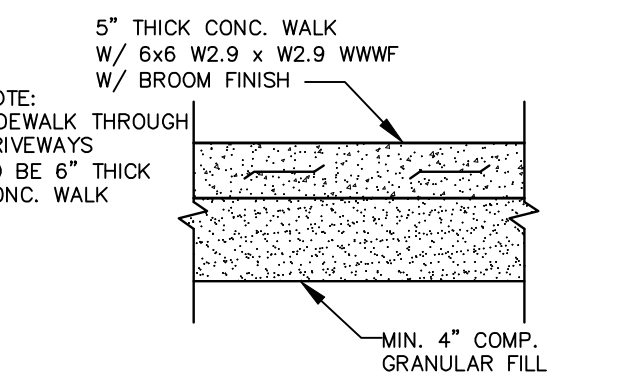
(DOWN SPOUT) ROOF DRAIN PIPE CONNECTION NOT TO SCALE



JOINT DETAIL

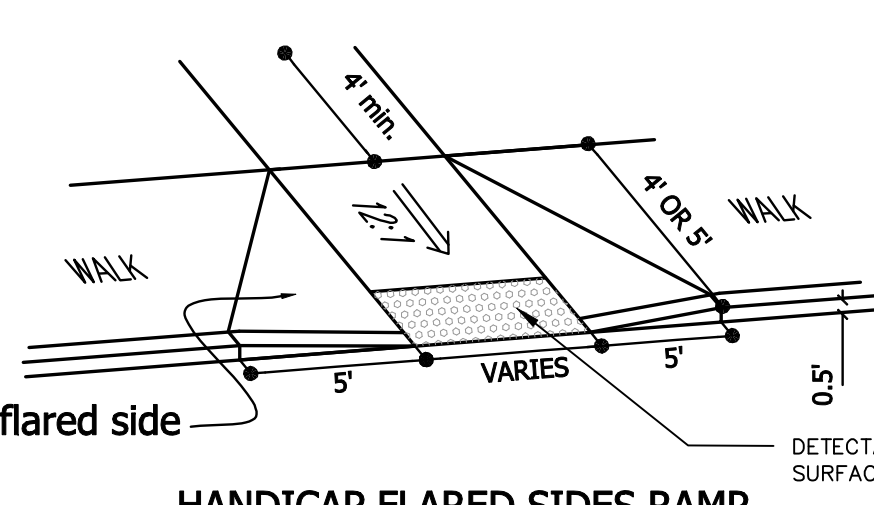


SIDEWALK PLAN



SECTION A-A

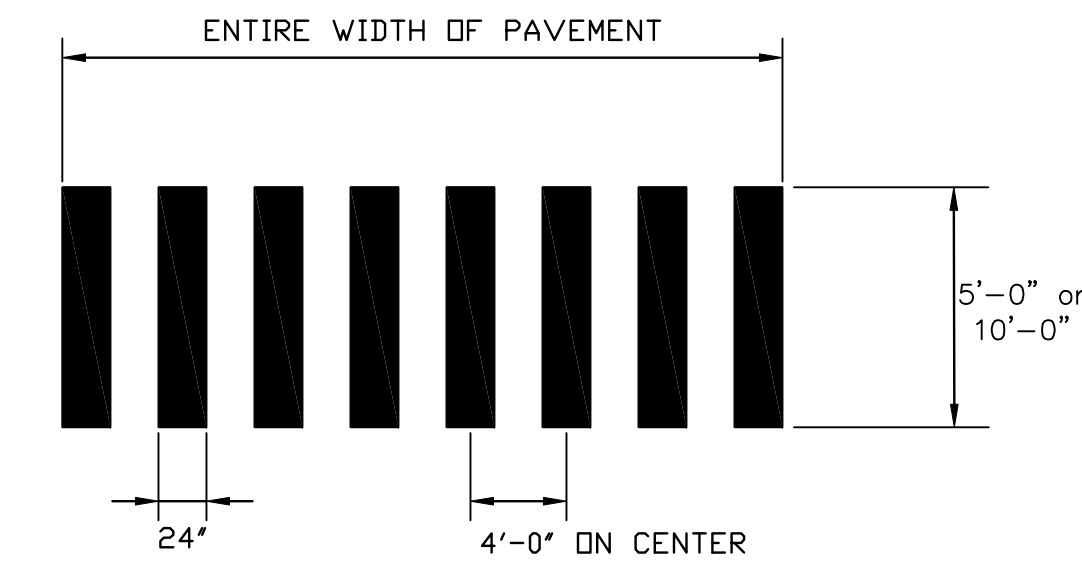
TYPICAL SIDEWALK DETAIL NOT TO SCALE



HANDICAP RAMP SIDEWALK DETAIL NOT TO SCALE

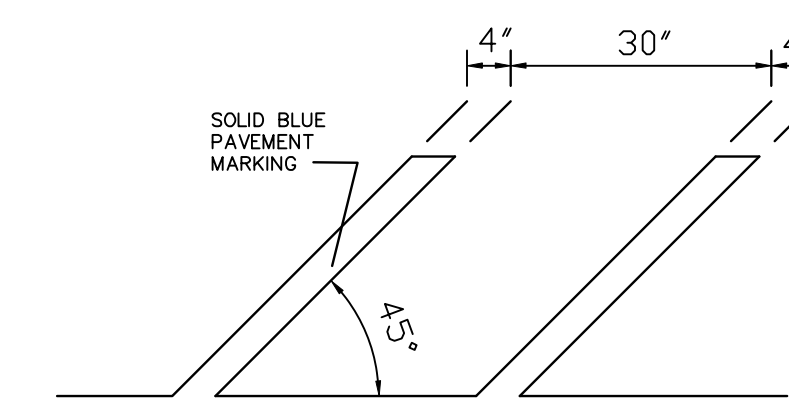
- NOTES: 6. See Standard Drawing E 604-SWCR-02 for groove details
7. See Standard Drawing E 604-SWCR-02 for details of the detectable warning
8. See Standard Drawing E 604-SWCR-02 for alternate curb construction
10. See Standard Drawing E 604-SWCR-01 and -02 for Location Plan and General Notes respectively
11. See Standard Drawing E 604-SWCR-02 for typical ramp construction detail.

INDOT APPROVED APPLICABLE NOTES



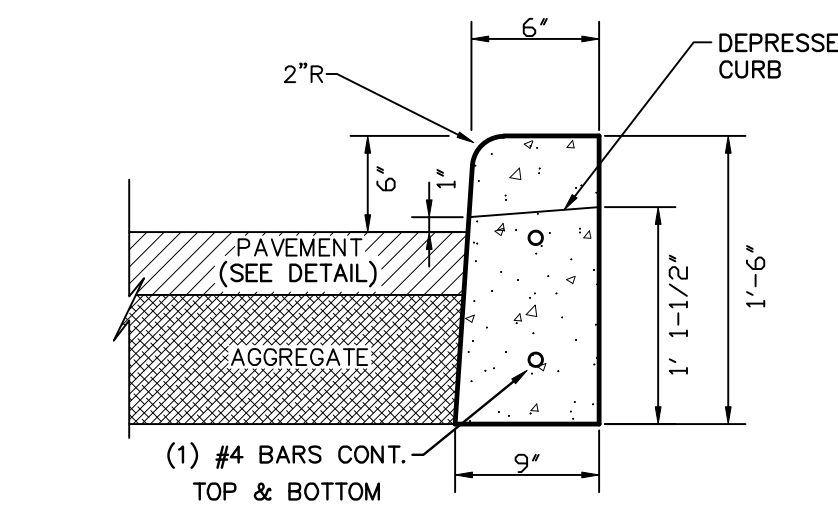
CONTINENTAL CROSS WALK DETAIL NOT TO SCALE

- NOTE: 1. ALL REGULATORY SIGNS SHALL BE HIGH INTENSITY AND IN ACCORDANCE WITH THE INDIANA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, MOST RECENT EDITION
2. ALL PAVEMENT MARKINGS SHALL BE WHITE PAINT AND SPAN ACROSS APPROACH LANES.

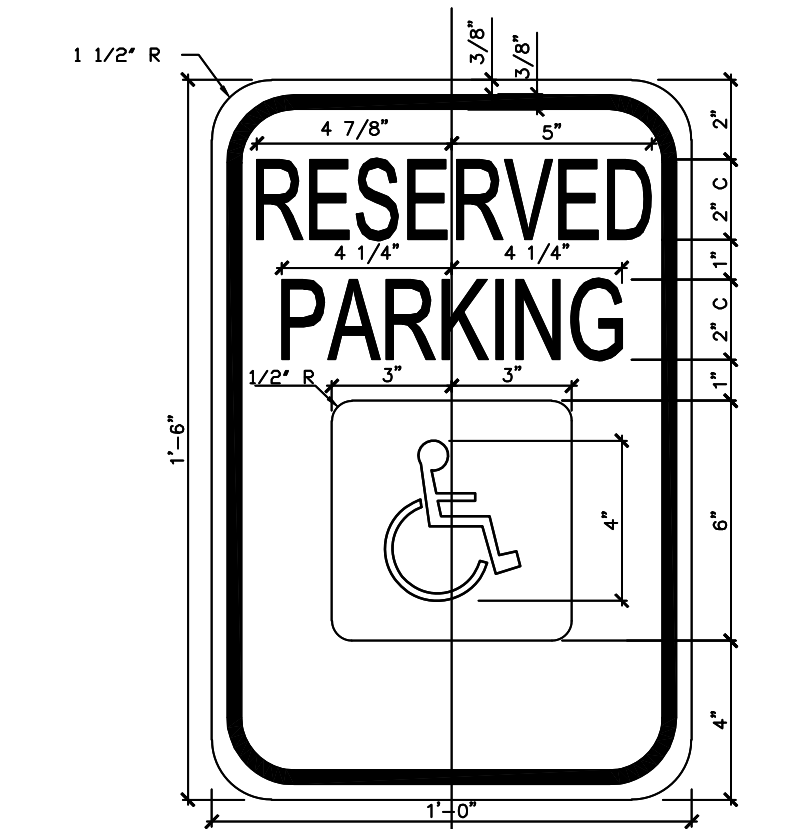


ACCESSIBILITY AND PARKING STRIPING DETAIL NOT TO SCALE

- NOTE: USE 4" SOLID WHITE PAVEMENT MARKING FOR REGULAR PARKING

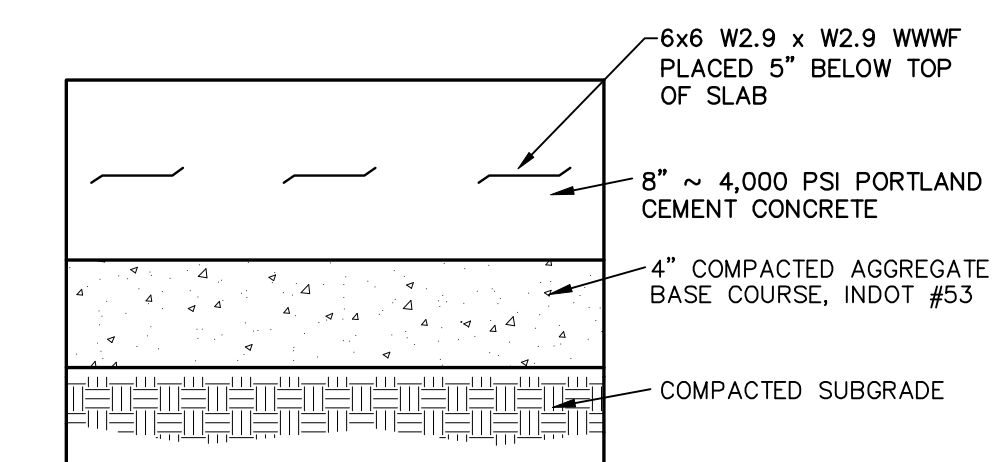


BARRIER CURB DETAIL NOT TO SCALE



ACCESSIBILITY SIGNAGE NOT TO SCALE

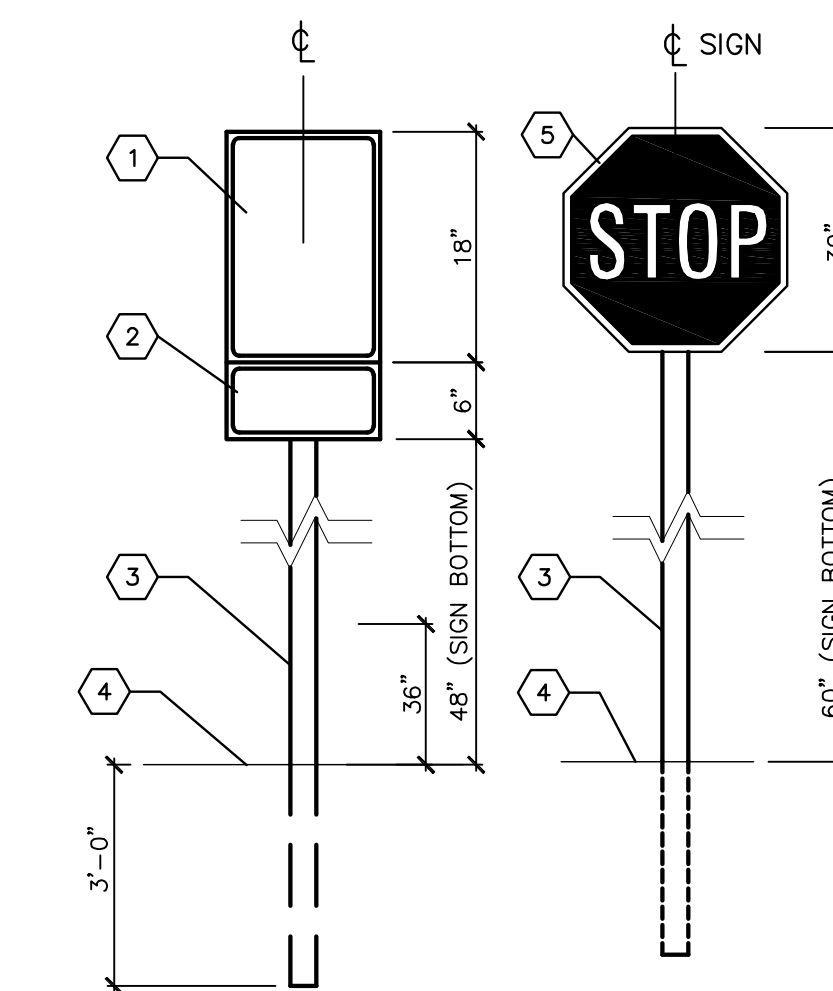
- NOTE: (BY SIGN) THIS IS A STANDARD SIGN AND MAY BE ORDERED FROM ANY TRAFFIC SIGN SUPPLIER BY NUMBER. THE SIGN MUST BE SUPPLEMENTED WITH AMOUNT OF THE FINE FOR ILLEGALLY PARKING IN THE RESERVED SPACE(S) A MUNICIPALITY MAY IMPOSE. CONFIRM WITH LOCAL REGULATIONS.



SECTION VIEW

- NOTE: 1. WHERE FILL IS REQUIRED, SUBGRADE SHALL BE COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D698 METHOD OF TESTING.

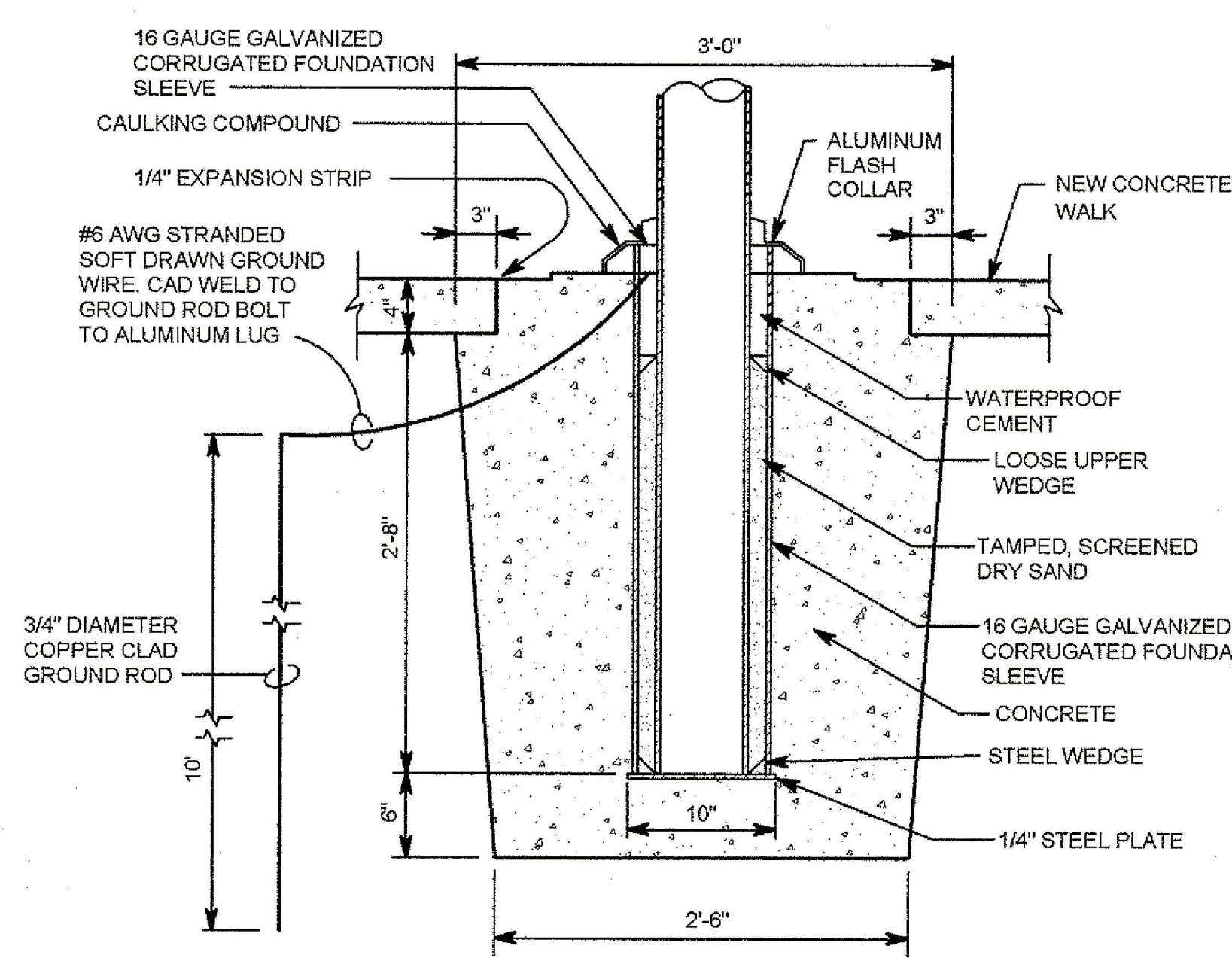
CONCRETE PAVEMENT SECTION NOT TO SCALE



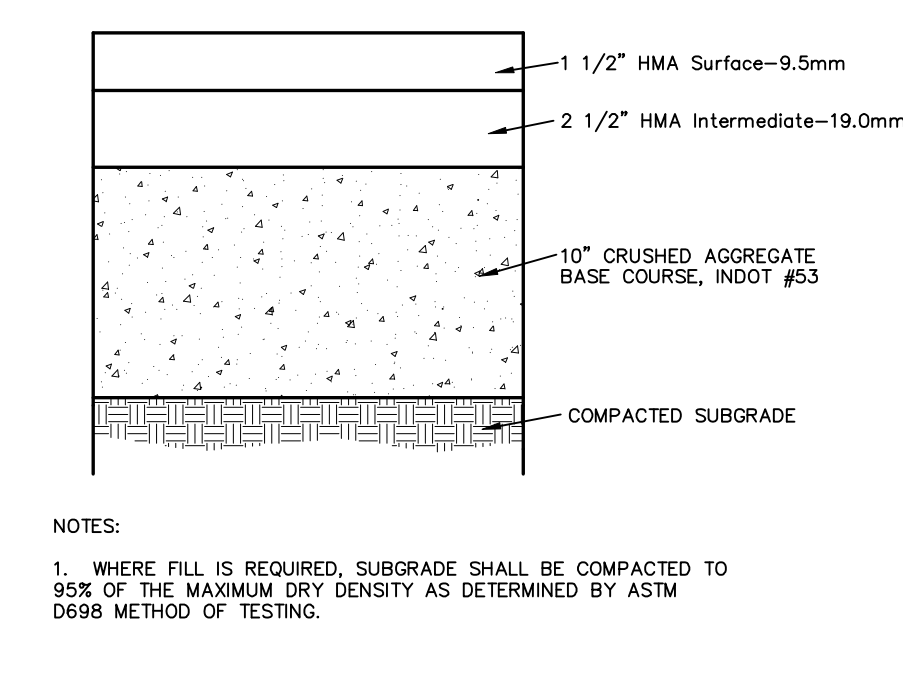
SIGN AND POST (FREE STANDING) NOT TO SCALE

- KEYED NOTES: 1. STANDARD USDOT R7 SIGN (BOTH SIDES-WHERE APPLICABLE)
2. SUPPLEMENTAL SIGNS, \$-FINE AS APPLICABLE.
3. GRADE B, SCHEDULE 40
4. FINISH GRADE.
5. STANDARD USDOT R1-1 STOP SIGN

NOTE: Use INDOT approved R2-1 for speed limit signs and R7-1 for no parking signs.

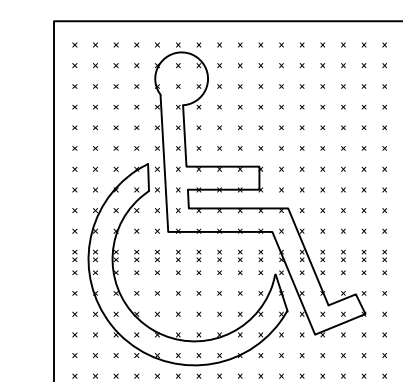


FLAG POLE FOUNDATION NOT TO SCALE

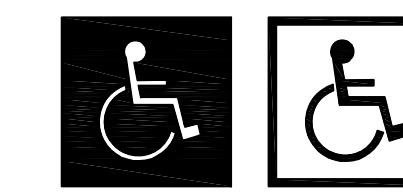


TYPICAL PAVEMENT X-SECTION NOT TO SCALE

- NOTE: 1. WHERE FILL IS REQUIRED, SUBGRADE SHALL BE COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D698 METHOD OF TESTING.



INTERNATIONAL SYMBOL OF ACCESSIBILITY PROPORTIONS NOT TO SCALE



INTERNATIONAL SYMBOL OF ACCESSIBILITY DISPLAY CONDITIONS NOT TO SCALE

SPECIFICATIONS FOR STORM SEWERS

- 1. All work shall be performed in accordance with the Codes, Ordinances and Standards of the Town of Chesterton, Lake County, Indiana.
2. All storm sewer pipe, branches and fittings shall conform to either of the following: (A) Poly-vinyl chloride SDR 35 (ASTM D-3034) with push on rubber gasket joints (ASTM C-3212) for pipe 15" in diameter or under or: (B) High Density Polyethylene corrugated pipe with an integrally formed smooth interior (ASTM D-1248) for pipe 18" or over, may be used only with the express written permission of the Town of Chesterton or: (C) Reinforced concrete pipe (ASTM C-76) with bell and spigot or tongue and groove push-on mastic joints. Class V reinforced concrete pipe shall be used for lines 15" diameter or under and Class III shall be used for lines 18" and over.
3. All storm sewer manholes, catch basins, inlets and yard drains shall be standard precast concrete units (ASTM C-478) conforming to the standard detail sheet of these plans.
4. All improvements installed across paved or future paved areas shall backfill with graded stone aggregate to the subgrade line. Compaction shall be done in 8" maximum depth lifts to 95% maximum density.
5. All sewers shall be laid at least 10 feet (3.0 m) horizontally from any existing or proposed water main. The distance shall be measured edge to edge. All sewers crossing water mains shall be laid to provide a minimum vertical distance of 18 inches (46 cm) between the outside of the water main and the outside of the sewer. This shall be the case where the water main is either above or below the sewer. The crossing shall be arranged so that the sewer joints will be equidistant and as far as possible from the water main joints. Where a water main crosses under a sewer, adequate structural support shall be provided for the sewer to prevent damage to the water main. When it is impossible to obtain proper horizontal and vertical separation as stipulated above, the sewer shall be designed and constructed equal to water pipe.

GIBRALTAR DESIGN

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PROJECT 24-134 DATE 01/20/25 COORDINATED BY DCT DRAWN BY EM DCT CHECKED BY DCT
Professional Engineer seal for Donald C. Torgue, No. 19868, State of Indiana.

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Table with columns: MARK, DATE, ISSUED FOR. Row 1: AD-1, 02/07/25, ADDENDUM NO. 1

DRAWING DETAILS AND SPECIFICATIONS

PROJECT CHESTERTON HS SOCCER FIELD

SHEET C-5.1



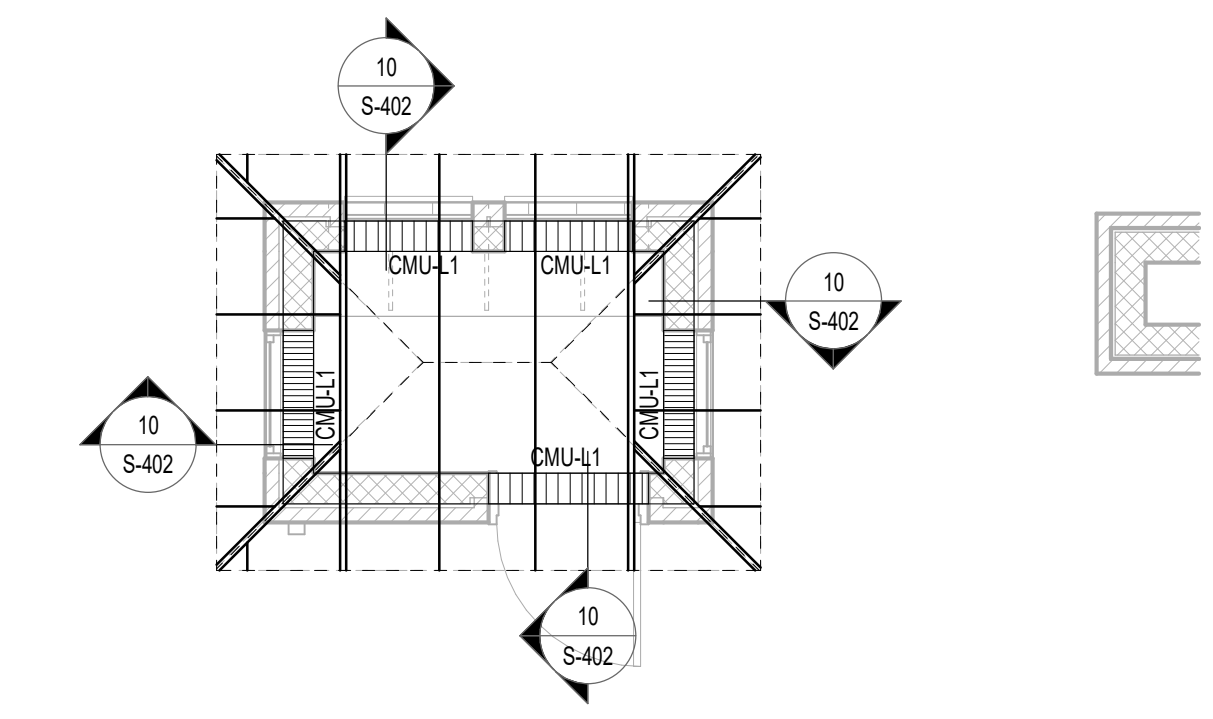


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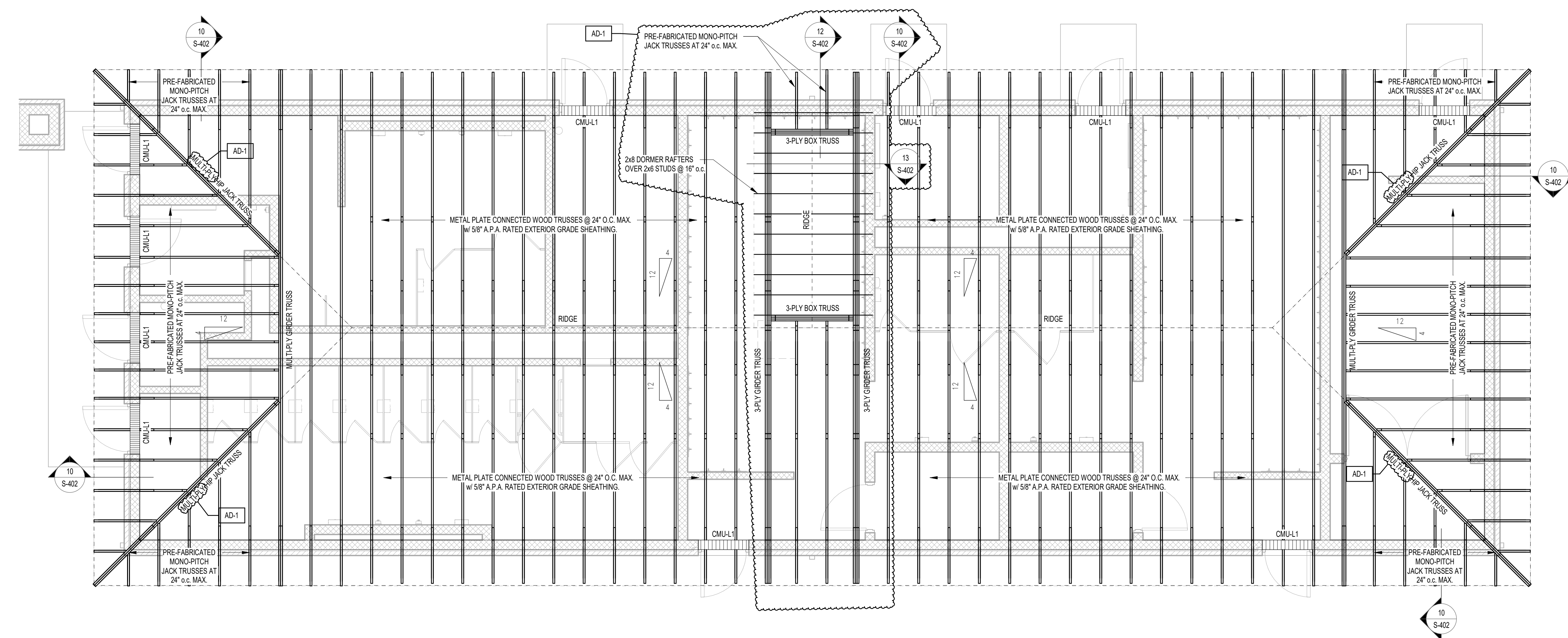
PROJECT:  
**CHESTERTON HS SOCCER VENUE IMPROVEMENTS AND RELATED WORK**  
FOR:  
DUNELAND SCHOOL CORPORATION  
2125 11TH ST, CHESTERTON, IN 46304

**FRAMING PLAN GENERAL NOTES**

- REF. S-801 SHEETS FOR STRUCTURAL NOTES, DESIGN DATA AND SCHEDULES.
- REFERENCE THE ARCH. PLANS FOR LAYOUT OF ALL WALLS, OPENINGS, WALL TYPES, ETC. VERIFY ALL DIMENSIONS PRIOR TO SHOP DRAWINGS SUBMITTAL & IMMEDIATELY NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
- AT BEARING OF ALL GIRDER TRUSSES, TRUSS MANUFACTURER SHALL PROVIDE THE NECESSARY HARDWARE FOR ATTACHMENT TO WALLS (TOP PLATE OR MASONRY) TO RESIST THE LOADS/REACTIONS OF ALL GIRDER TRUSSES.
- SEE THE ARCHITECTURAL DETAILS FOR ROOF TRUSS PROFILES (HEEL HEIGHTS, PITCHES, ETC.).
- ALL ROOF PANEL SHEATHING SHALL BE 5/8" APA-RATED SHEATHING. SUITABLE EDGE SUPPORT SHALL BE PROVIDED BY USE OF PANEL CLIPS OR BLOCKING BETWEEN FRAMING UNLESS OTHERWISE NOTED. FASTEN ROOF SHEATHING WITH 8D COMMON (0.131" X 2.121") NAILS SPACED 6" O.C. AT SUPPORTED EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS.
- THE TRUSS SUPPLIER MUST COORDINATE WITH M.E.P. AND SPRINKLER CONTRACTORS IN REGARD TO THE LOCATION AND WEIGHT OF ALL WATER SUPPLY MAINS AND SPRINKLER MAINS. THE TRUSSES WILL BE DESIGNED TO SUPPORT THE WEIGHT OF THESE POINT LOADS IN ADDITION TO OTHER LOADS AS SPECIFIED ON THESE PLANS. THE SPACING OF SUPPORTS FOR THESE LINES WILL BE AN IMPORTANT CONSIDERATION IN THE DESIGN OF THE TRUSSES FOR THE MAIN SUPPORT.
- ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS. THE MECHANICAL, ELECTRICAL, AND PLUMBING ASPECTS ARE NOT IN THE SCOPE OF THESE DRAWINGS. THEREFORE, ALL REQUIRED MATERIALS AND WORK MAY NOT BE INDICATED.



**2 ROOF FRAMING PLAN - TICKET BOOTH**  
1/4" = 1'-0"

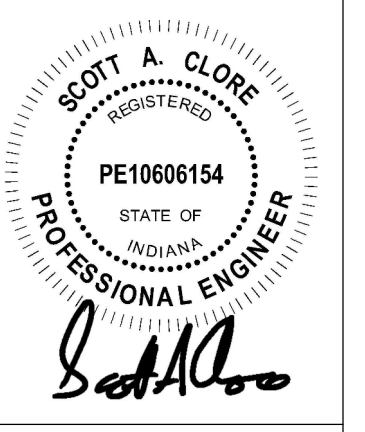


**1 ROOF FRAMING PLAN - ATHLETIC BUILDING**  
1/4" = 1'-0"

**CONSTRUCTION DOCUMENTS**  
1/21/25

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PROJECT  
24-134  
DATE  
01/21/25  
COORDINATED BY  
SAC  
DRAWN BY  
NH  
CHECKED BY  
SAC



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**REVISIONS**

MARK	DATE	ISSUED FOR
AD-1	02.07.2025	ADDENDUM #1

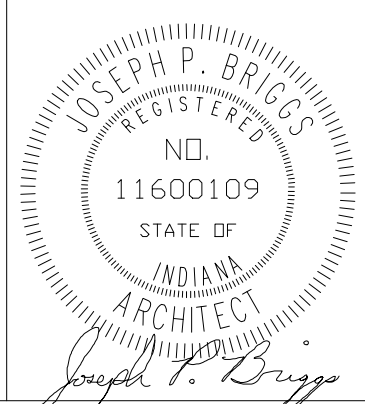
DRAWING  
**FRAMING PLANS**

PROJECT  
**CHESTERTON HS SOCCER VENUE IMPROVEMENTS AND RELATED WORK**

SHEET  
**S-102**

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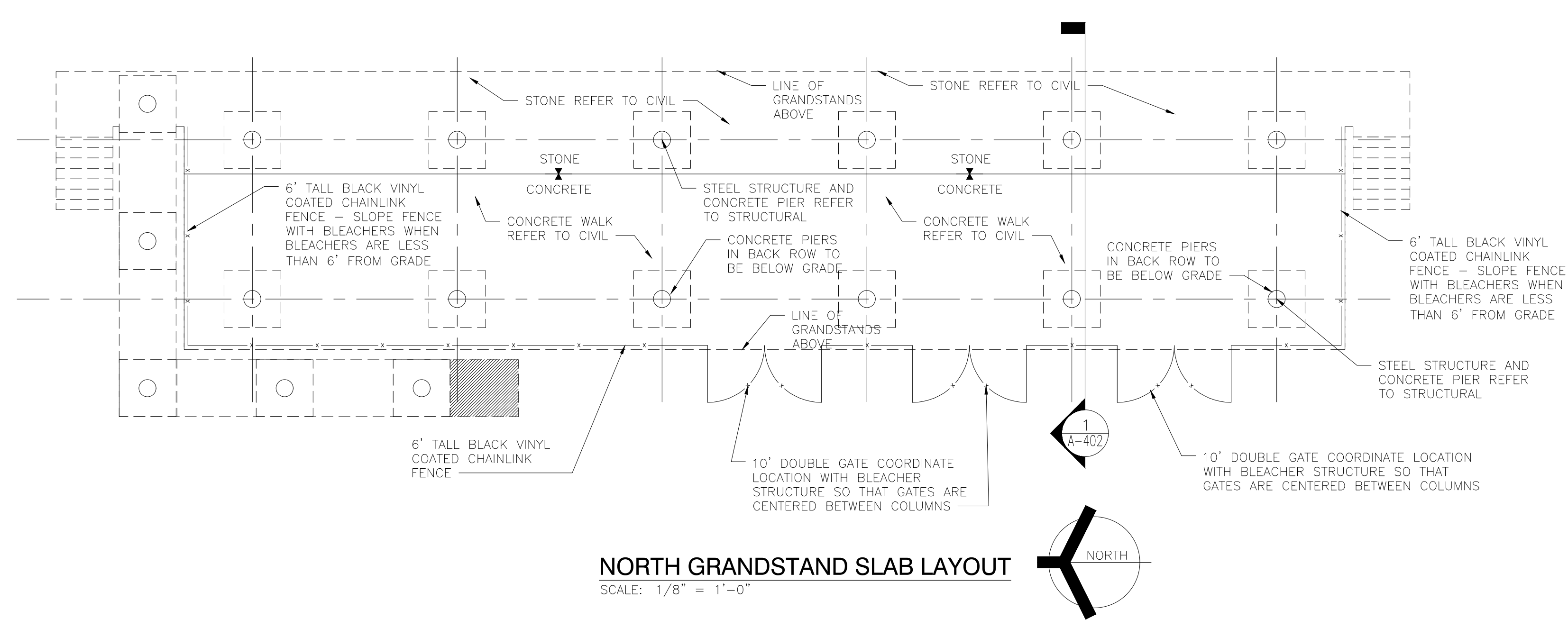
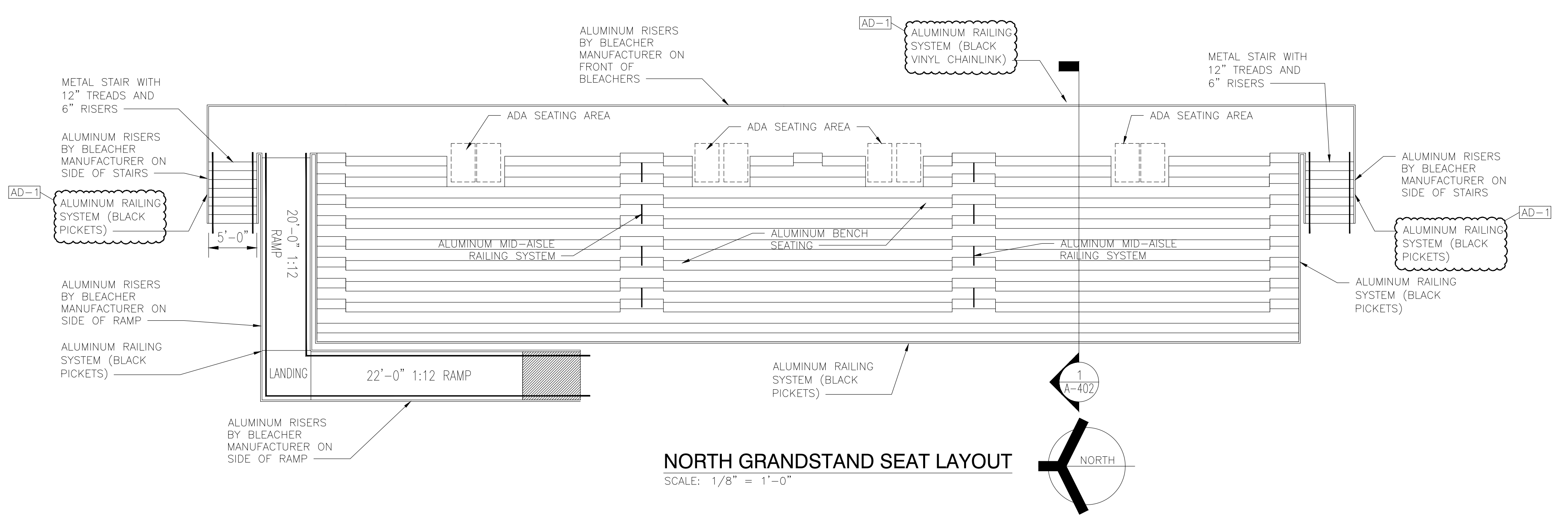
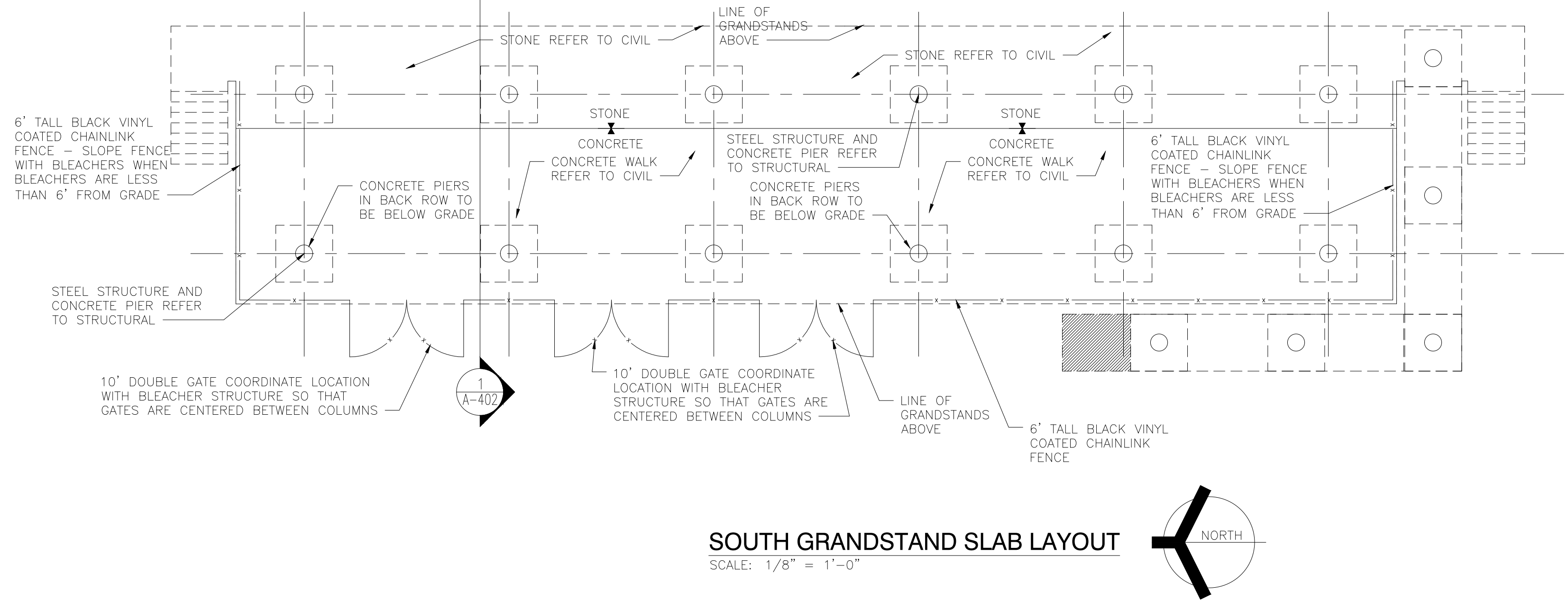
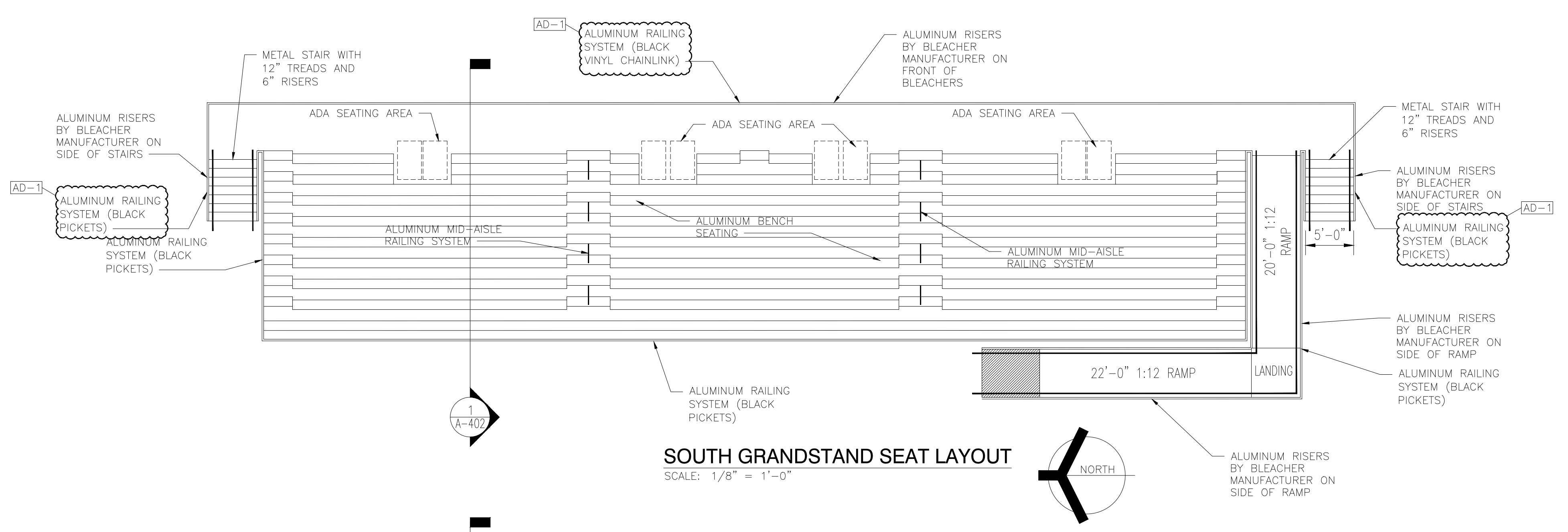


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MARK	DATE	ISSUED FOR
AD-1	02/07/25	ADDENDUM NO. 1

DRAWING  
**GRANDSTANDS PLAN**

PROJECT  
**CHESTERTON HIGH SCHOOL SOCCER VENUE IMPROVEMENTS**



Friday, 2/7/2025 - 11:43 AM - LAST SAVED BY: DSHEDROW  
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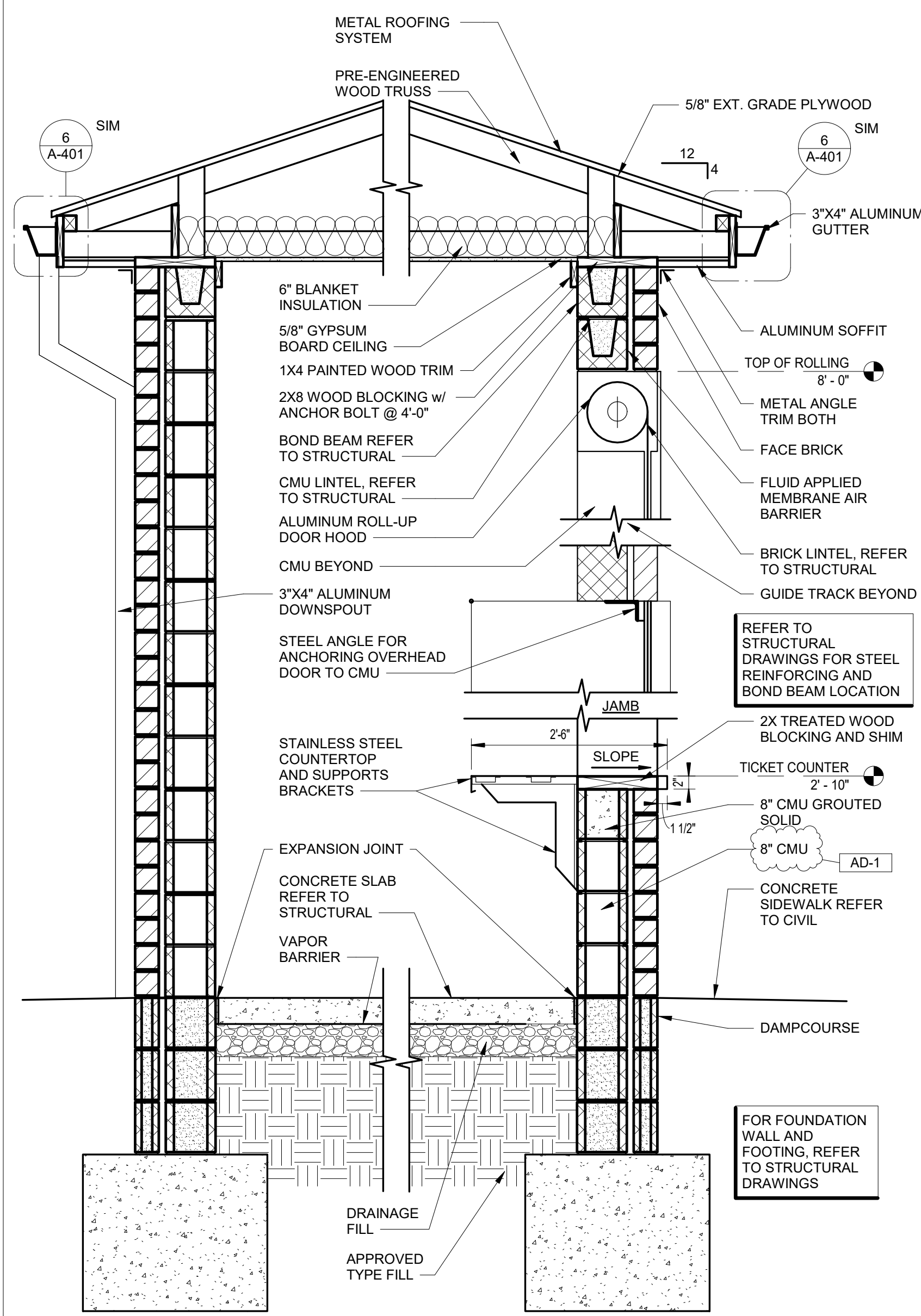




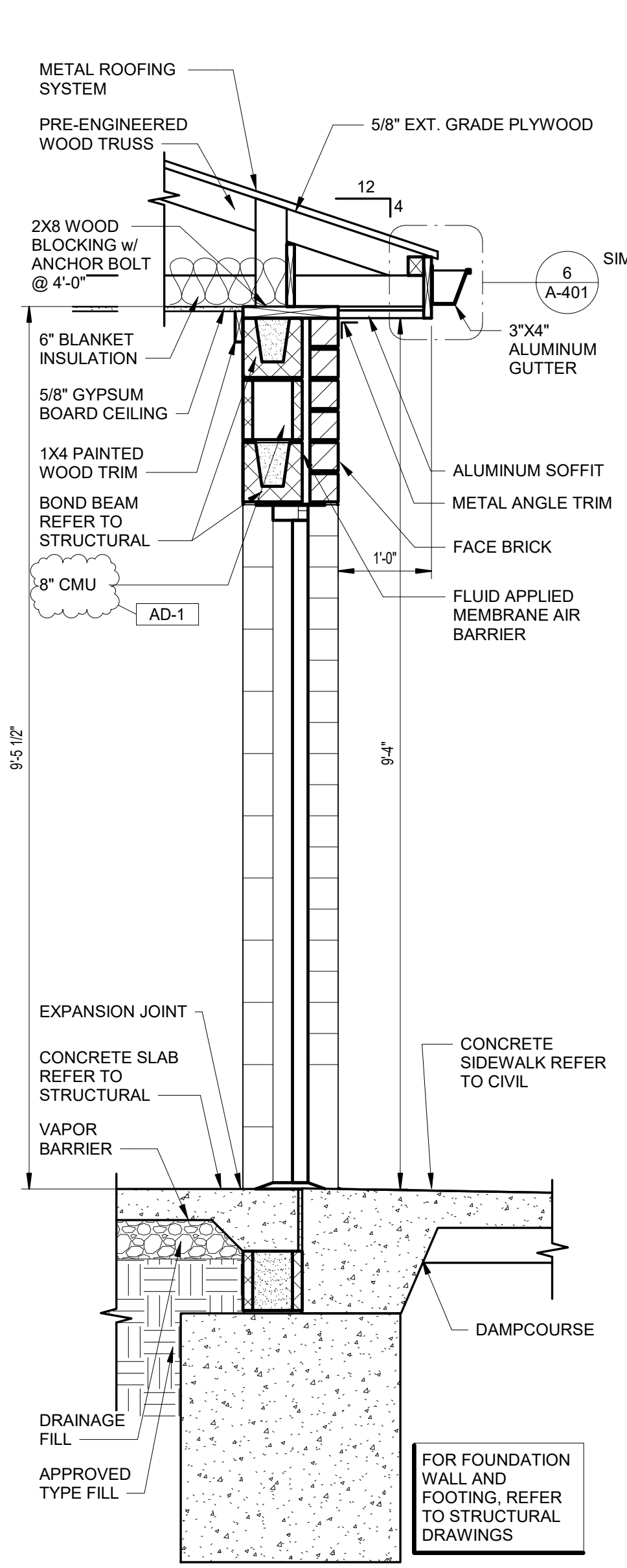


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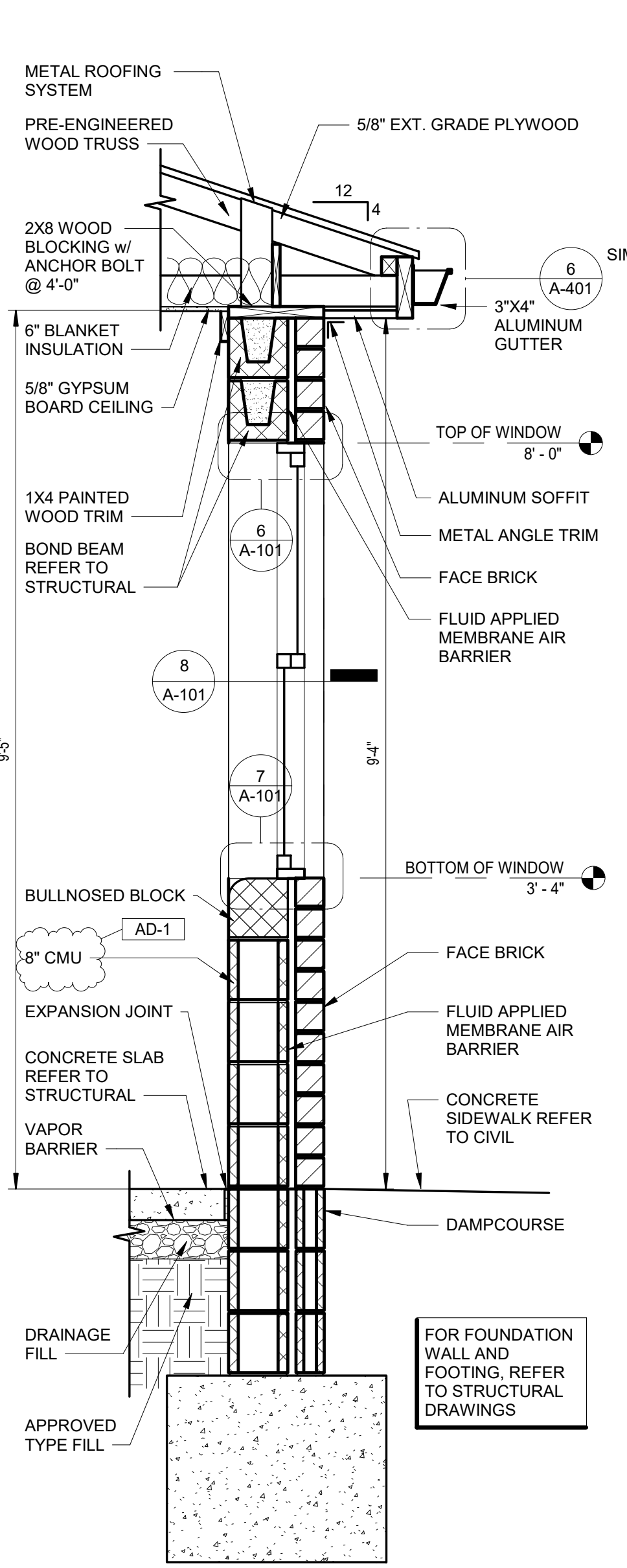
PROJECT:  
**CHESTERTON HS  
SOCCER VENUE  
IMPROVEMENTS  
AND RELATED  
WORK**  
DUNELAND SCHOOL  
CORPORATION  
2125 11TH ST, CHESTERTON, IN  
46304



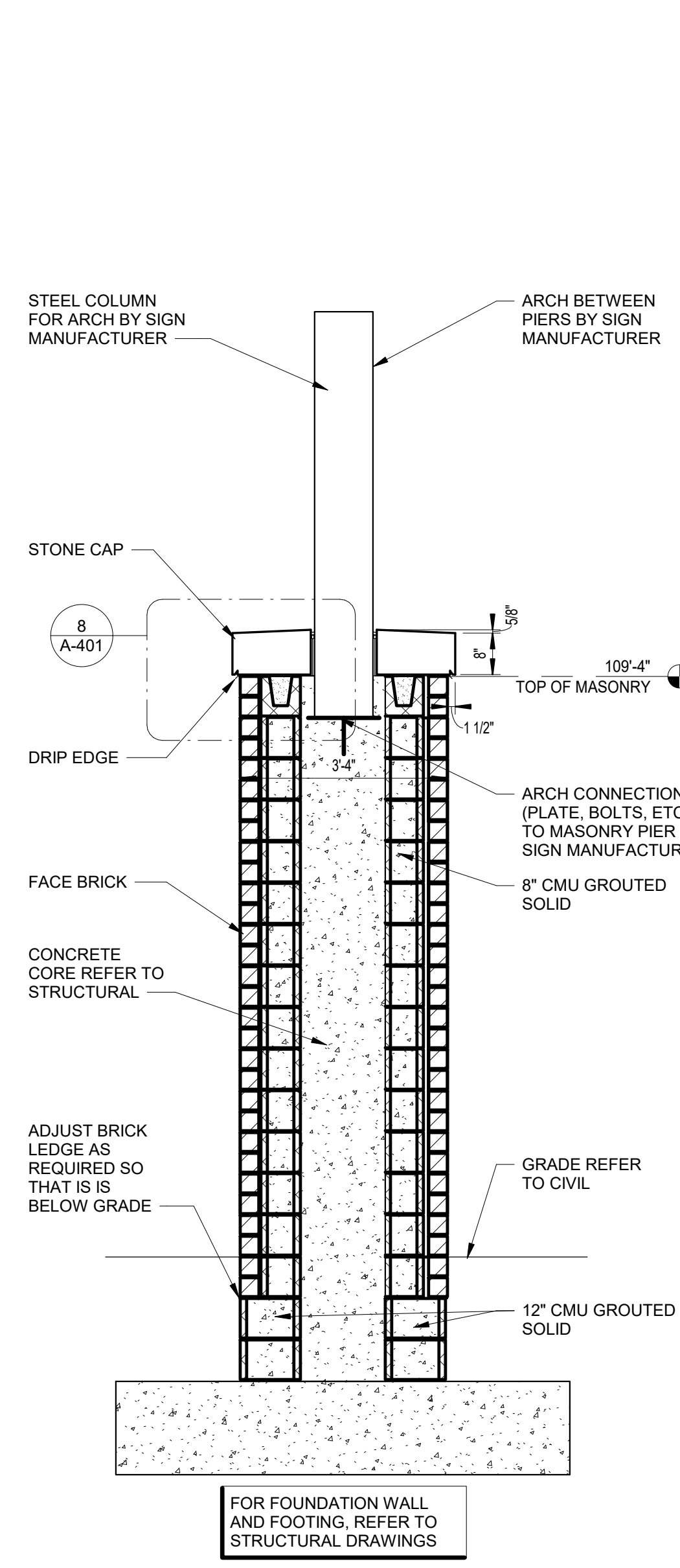
**12 WALL SECTION**  
A-401 3/4" = 1'-0"



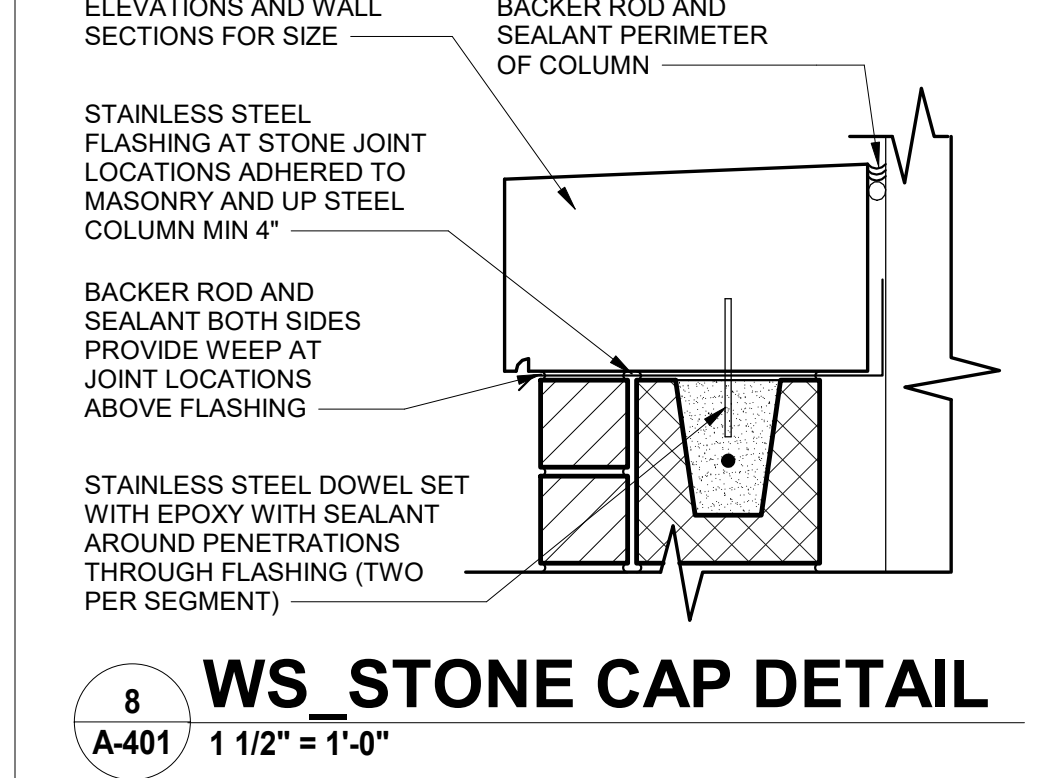
**11 WALL SECTION**  
A-401 3/4" = 1'-0"



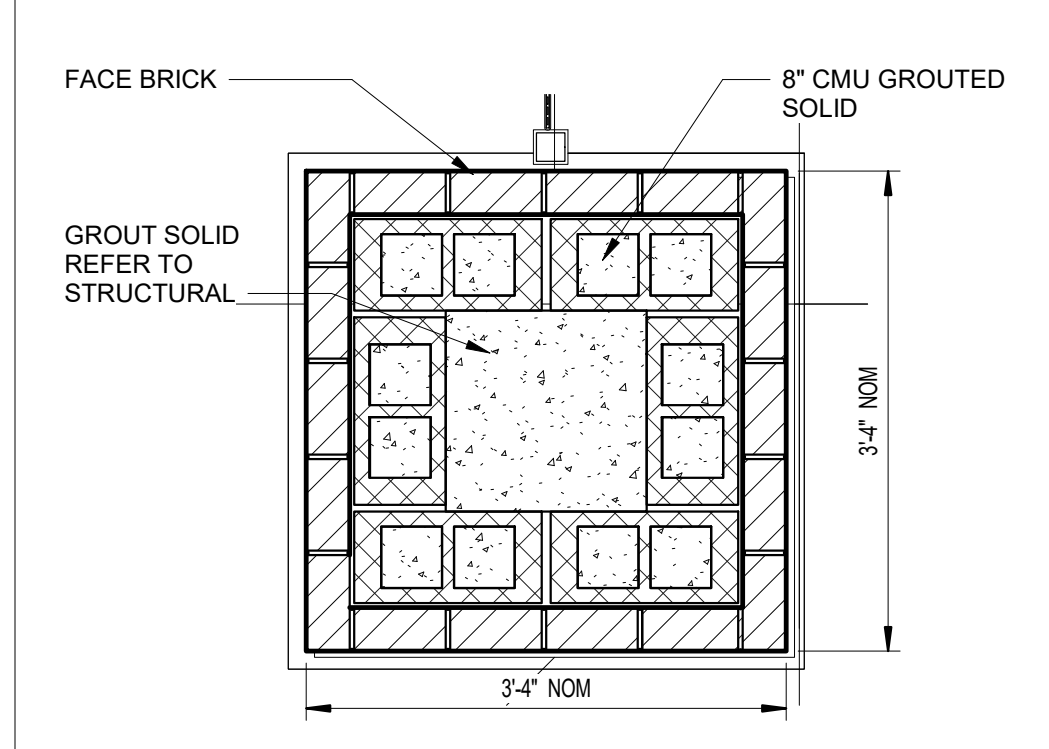
**10 WALL SECTION**  
A-401 3/4" = 1'-0"



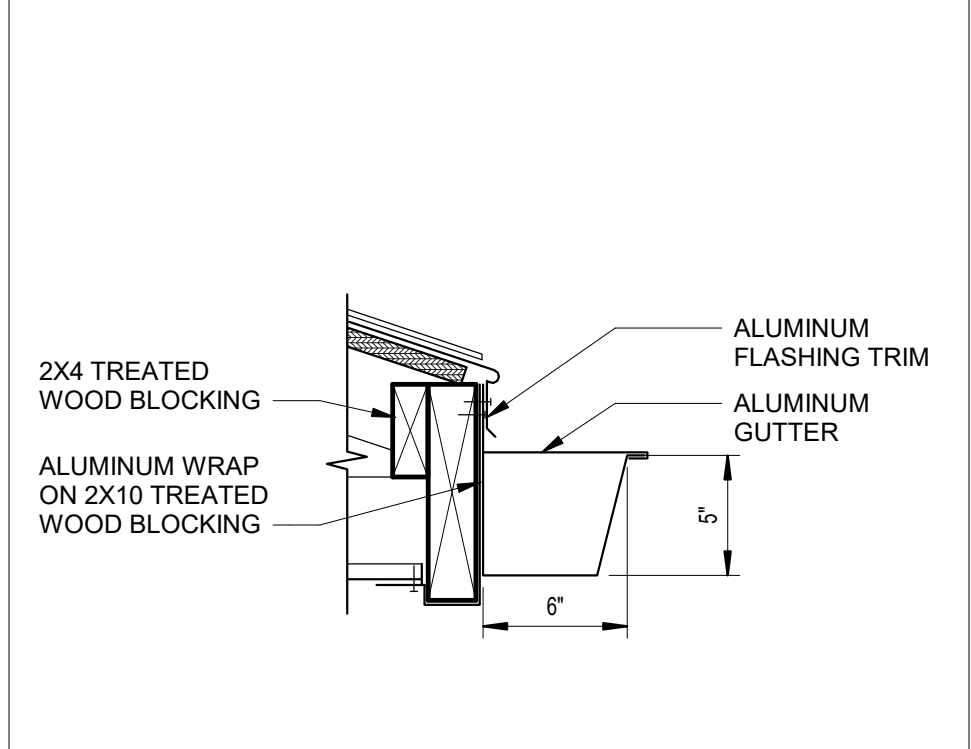
**9 MASONRY PIER SECTION**  
A-401 1/2" = 1'-0"



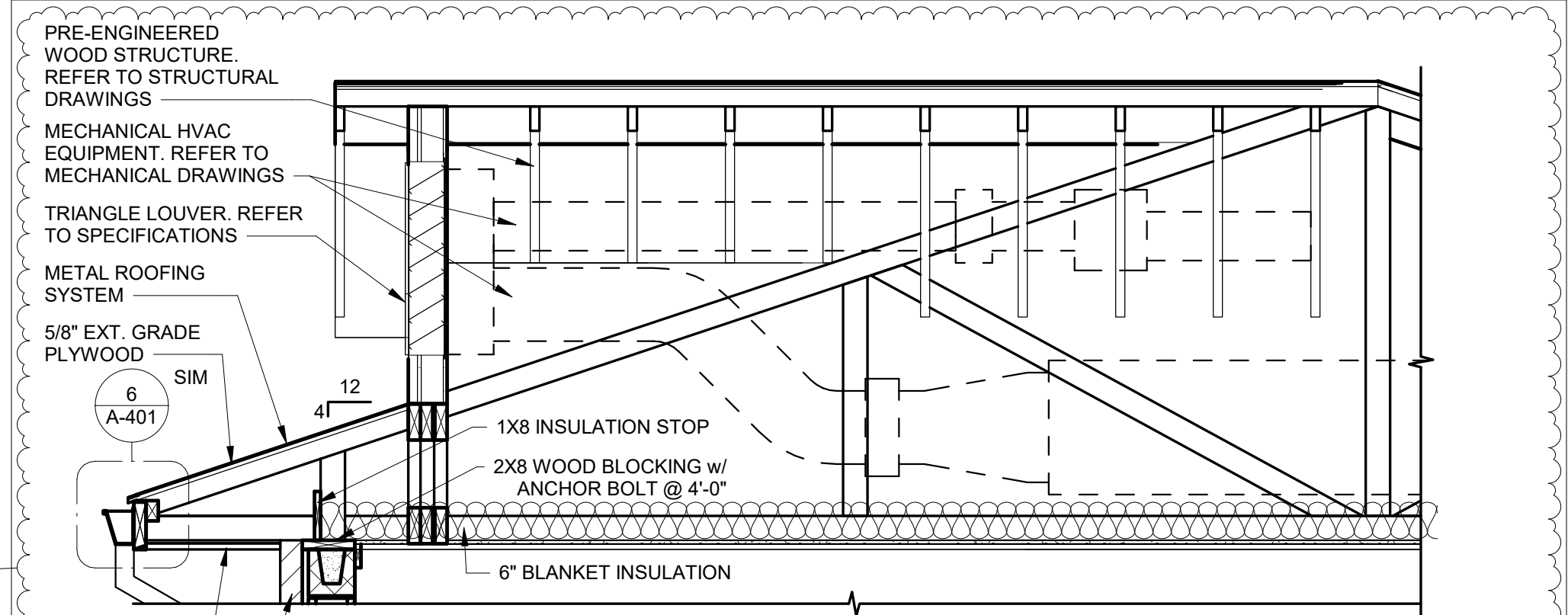
**8 WS STONE CAP DETAIL**  
A-401 1 1/2" = 1'-0"



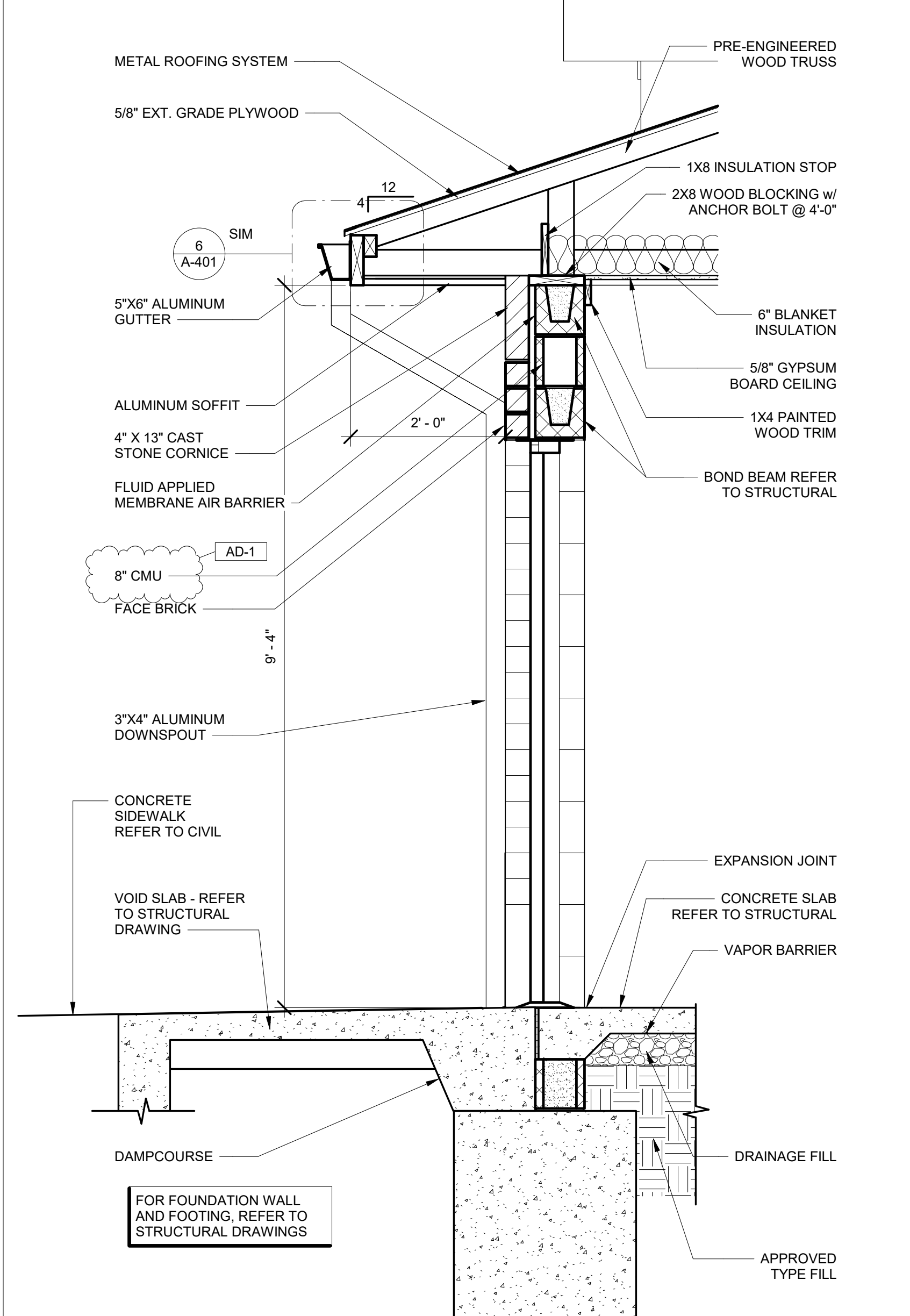
**7 MASONRY PIER SECTION**  
A-401 3/4" = 1'-0"



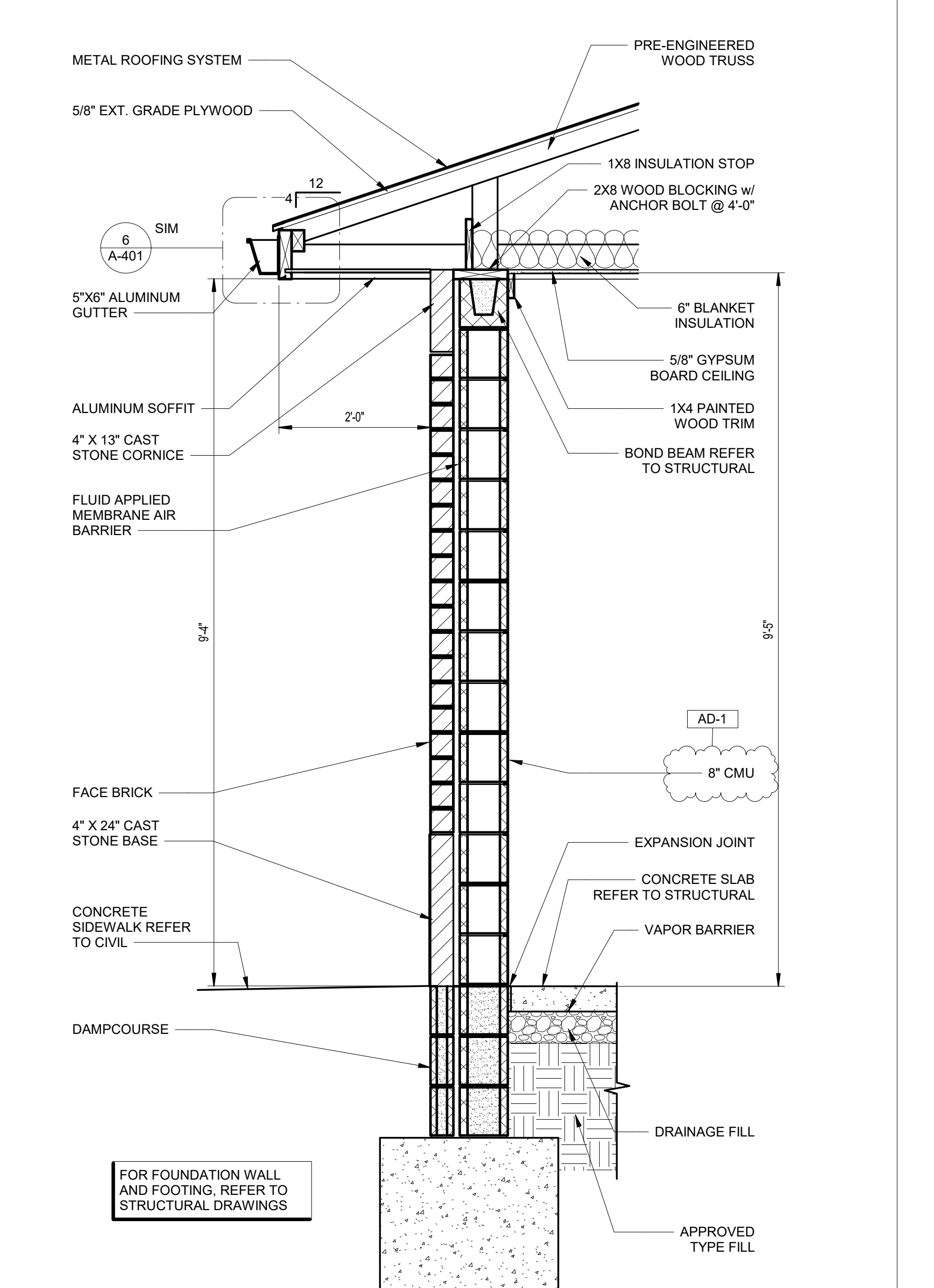
**6 GUTTER DETAIL**  
A-401 1 1/2" = 1'-0"



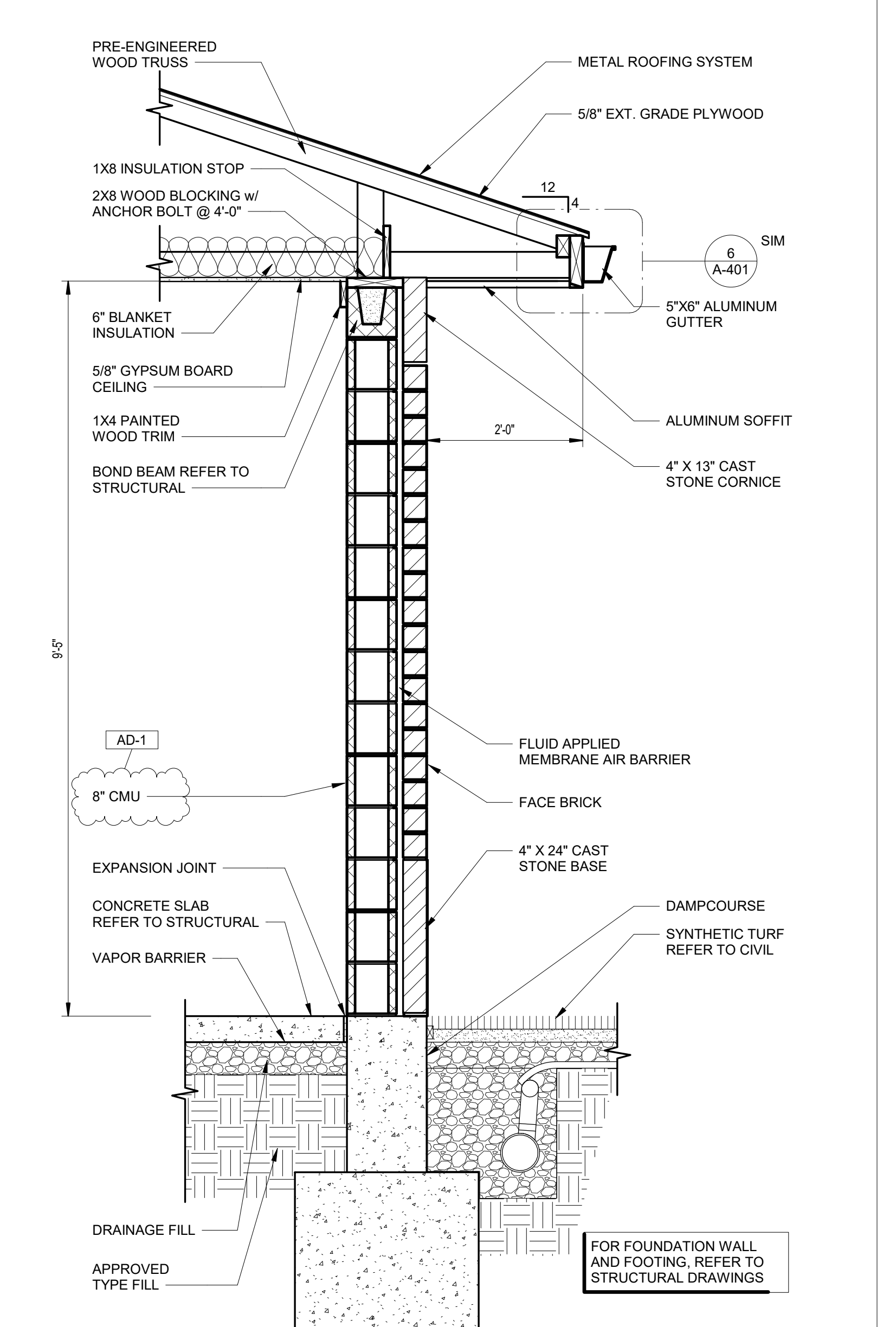
**5 DORMER SECTION**  
A-401 1/2" = 1'-0"



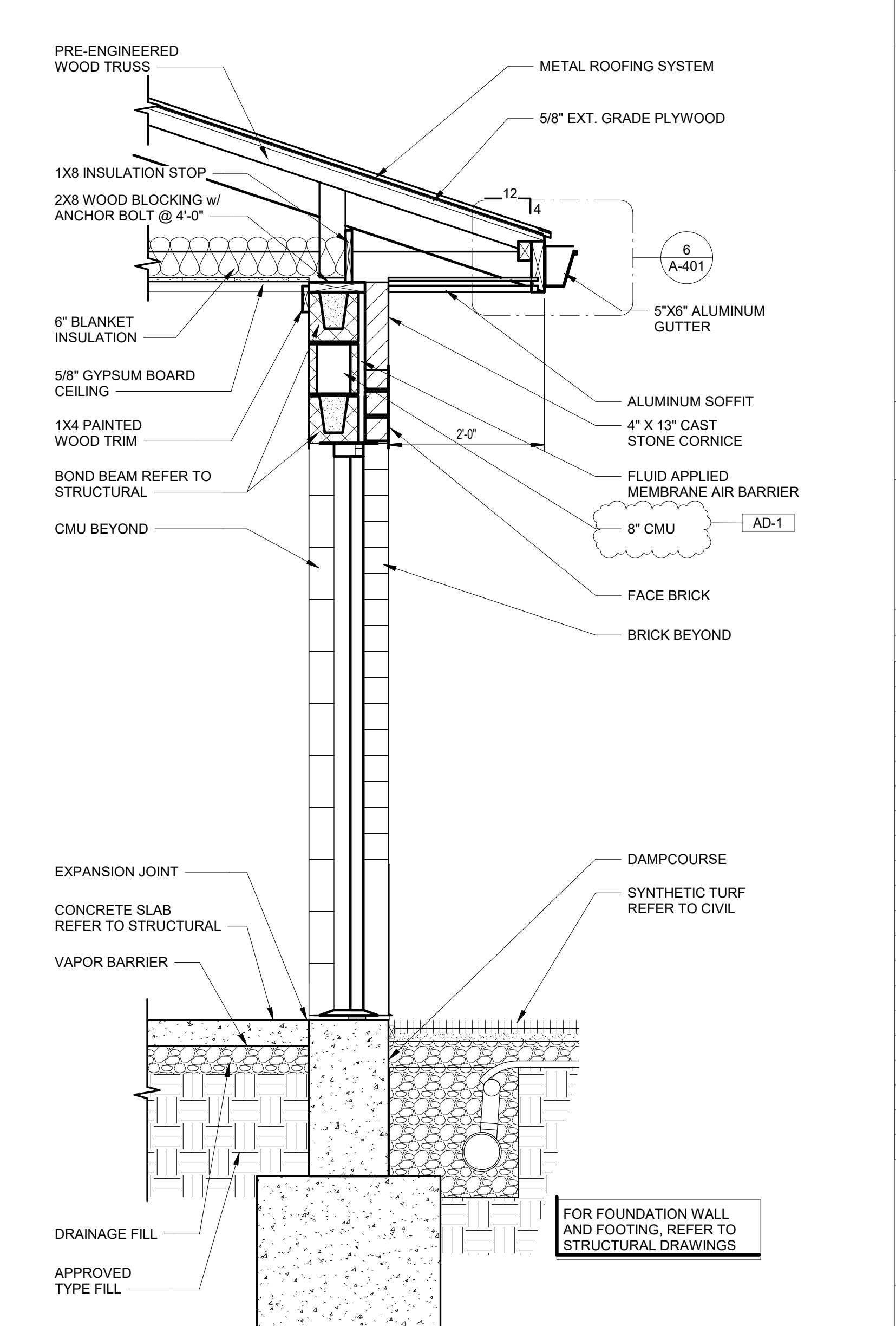
**4 WALL SECTION**  
A-401 3/4" = 1'-0"



**3 WALL SECTION**  
A-401 3/4" = 1'-0"



**2 WALL SECTION**  
A-401 3/4" = 1'-0"



**1 WALL SECTION**  
A-401 3/4" = 1'-0"

**GIBALTAR DESIGN**

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PROJECT  
24-134  
DATE  
02/07/25  
COORDINATED BY  
DTB  
DRAWN BY  
DTS  
CHECKED BY  
JB, MR

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MARK	DATE	ISSUED FOR
AD-1	02/07/25	ADDENDUM 1

DRAWING  
**WALL SECTIONS & MILLWORK  
SCHEDULE AND ELEVATIONS**

PROJECT  
**CHESTERTON HS SOCCER VENUE  
IMPROVEMENTS AND RELATED  
WORK**

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**A-401**

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ROOM LEGEND	
ROOM NO.	ROOM NAME
A-101	MENS RESTROOM
A-102	WOMENS RESTROOM
A-103	CUSTODIAN
A-104	FAMILY RESTROOM
A-105	ELECT/TECH/MECH
A-106	GIRLS TEAM ROOM
A-107	STORAGE
A-108	GIRLS TEAM RR
A-109	TENNIS RESTROOM
A-110	TENNIS RESTROOM
A-111	BOYS TEAM RR
A-112	STORAGE
A-113	BOYS TEAM ROOM
A-114	TENNIS CHANGING RM
A-115	TENNIS STORAGE
A-116	TICKET BOOTH

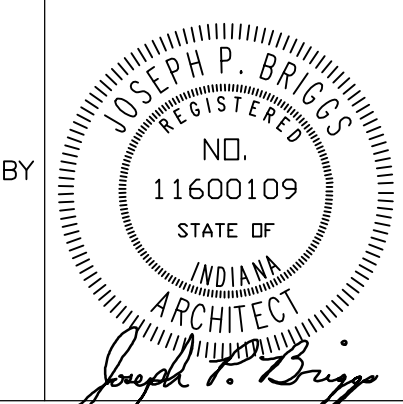


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PROJECT  
**CHESTERTON HS SOCCER VENUE IMPROVEMENTS AND RELATED WORK**  
FOR:  
DUNELAND SCHOOL CORPORATION  
2125 11TH ST, CHESTERTON, IN 46304

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PROJECT: 24-134  
DATE: 1/21/25  
COORDINATED BY: PCB  
DRAWN BY: PCB JVC  
CHECKED BY: JPB



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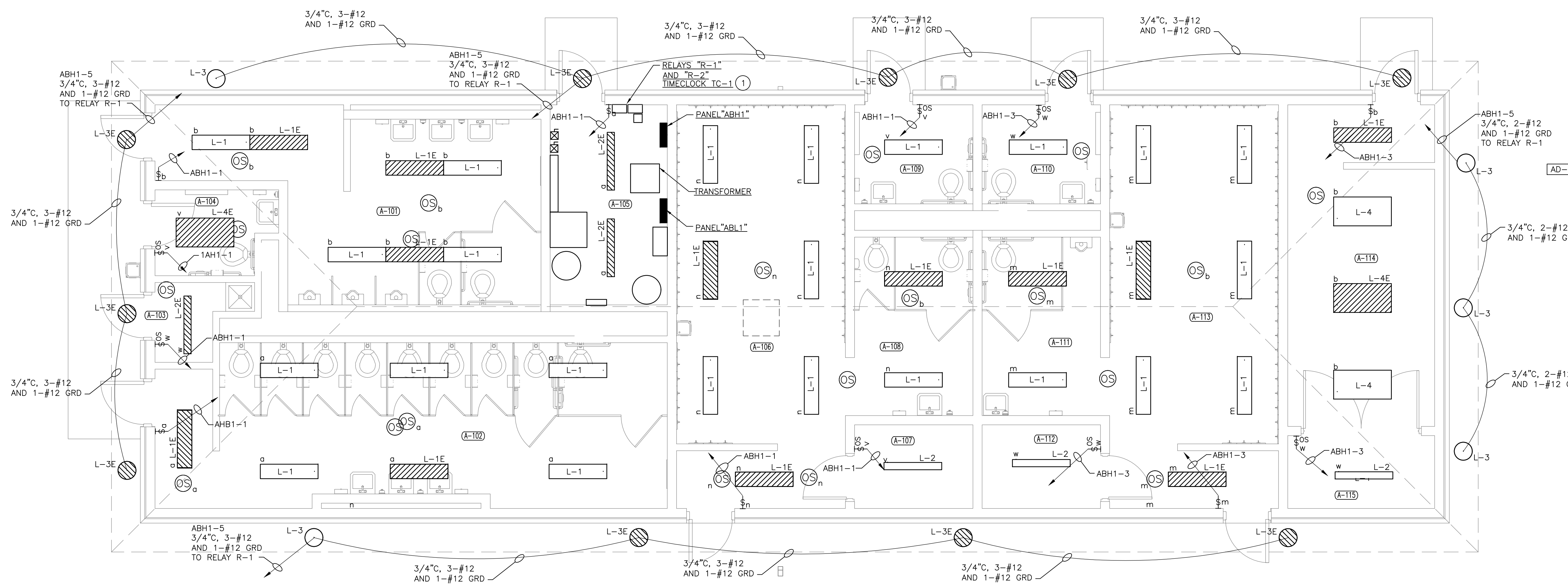
DRAWING  
**ATHLETIC BUILDING ELECTRICAL PLANS**

PROJECT  
CHESTERTON HIGH SCHOOL  
SOCCER VENUE IMPROVEMENTS

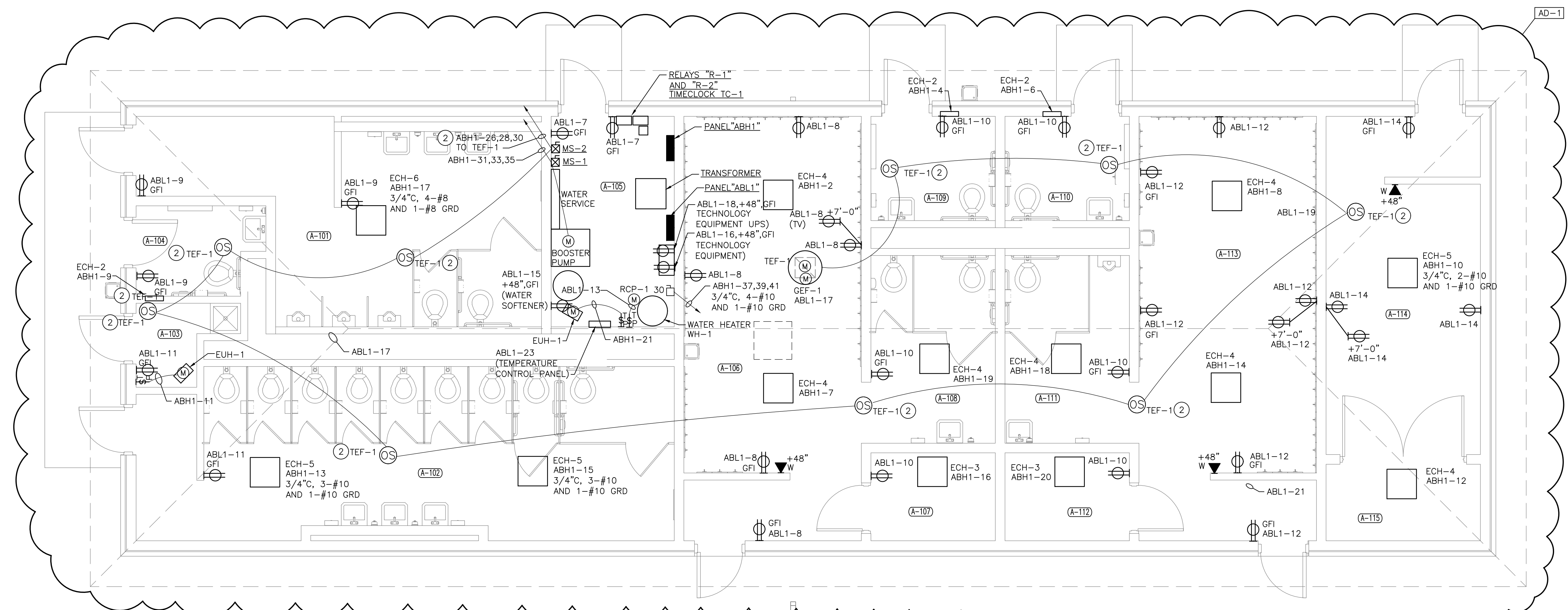
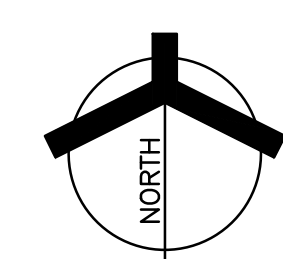
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**E-101**

- GENERAL NOTES:**
- FOR ADDITIONAL GENERAL ELECTRICAL NOTES, SEE GENERAL ELECTRICAL PROJECT NOTES ON SHEET E-001.
  - SEE E-600 SHEETS FOR ELECTRICAL DETAILS, SCHEDULES AND ELECTRICAL DISTRIBUTION DIAGRAMS.
  - SEE TECHNOLOGY DRAWINGS FOR ADDITIONAL WORK. ROUTE ALL TECHNOLOGY CABLING IN CONDUIT. VERIFY EXACT LOCATIONS AND ELECTRICAL REQUIREMENTS WITH THE TECHNOLOGY INSTALLER, ARCHITECT, CONSTRUCTION MANAGER AND OWNER PRIOR TO ROUGHING-IN.

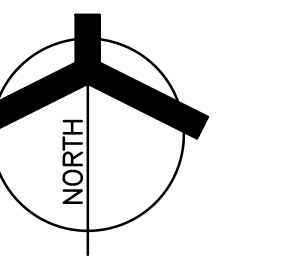
- ELECTRICAL PLAN NOTES:**  
(THESE NOTES APPLY TO THIS SHEET ONLY)
- TORK DZS200BP TWO CHANNEL DIGITAL TIMECLOCK TC-MB1. (ABH1-5) CHANNEL ONE CONTROLS RELAY R-1 (BUILDING SECURITY LIGHTS) AND CHANNEL TWO CONTROLS RELAY R-2 (FLAG POLE LIGHT).
  - OCCUPANCY SENSOR TO CONTROL EXHAUST FAN TEF-1. PROVIDE LABELING ON SENSOR "TEF-1 ABL1-17". PROVIDE THE APPROPRIATE WIRING SO THAT WHEN ANY OF THE OCCUPANCY SENSORS SENSES OCCUPANCY, IT TURNS ON THE MOTOR STARTER CONTROLLING TEF-1.



**ATHLETIC BUILDING ELECTRICAL LIGHTING PLAN**  
SCALE: 1/4" = 1'-0"



**ATHLETIC BUILDING ELECTRICAL POWER PLAN**  
SCALE: 1/4" = 1'-0"



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ATHLETIC BUILDING LIGHTING RELAY SCHEDULE									
MARK & TYPE	ITEM	CONTROLLED CIRCUIT(S)	COIL CKT.	COIL VOLT	ROOM NO.	CONTACTS	SELECTOR SWITCH	CONTROL	SEE NOTES
R-1 SQUARE D #8903 SERIES W/ NEMA 3R ENCL.	BUILDING SECURITY LIGHTS	ABH1-5	ABH1-1	277	105	N.O.	HOA	TIMECLOCK	1,2,4,5,6
R-2 SQUARE D #8903 SERIES W/ NEMA 3R ENCL.	FLAG POLE LIGHT	ABH1-5	ABH1-5	277	105	N.O.	HOA	TIMECLOCK	1,2,4,5,6

NOTES: 1. FURNISH NEMA 1 ENCLOSURE WITH HINGED COVER UNLESS OTHERWISE NOTED.  
 2. ELECTRICALLY HELD.  
 3. MECHANICALLY HELD.  
 4. PROVIDE SELECTOR SWITCH IN RELAY ENCLOSURES WITH LOOP AND BRIDLE STRAPS FROM MAIN DEPARTMENT TO HINGED COVER FOR SELECTOR SWITCHES.  
 5. FURNISH FUSE PROTECTION FOR COIL CIRCUIT.  
 6. ALL RELAYS AND SELECTOR SWITCHES SHALL BE PREWIRED BY MANUFACTURER.

SOCCER FIELD LIGHTING RELAY SCHEDULE									
MARK &	ITEM	CONTROLLED	COIL CKT.	COIL VOLT	ROOM NO.	CONTACTS	SELECTOR SWITCH	CONTROL	SEE NOTES
SFR-1 MUSCO	SOCCER FIELD LIGHTS (POLE #1)	VSCFH-7,9,11	TVL1-40	120	SOCCER PRESSBOX	N.O.	HOA	ON-OFF	1,2,4,5,6,7,8
SFR-2 MUSCO	SOCCER FIELD LIGHTS (POLE #2)	VSCFH-8,10,12	TVL1-40	120	SOCCER PRESSBOX	N.O.	HOA	ON-OFF	1,2,4,5,6,7,8
SFR-3 MUSCO	SOCCER FIELD LIGHTS (POLE #3)	VSCFH-13,15,17	TVL1-40	120	SOCCER PRESSBOX	N.O.	HOA	ON-OFF	1,2,4,5,6,7,8
SFR-4 MUSCO	SOCCER FIELD LIGHTS (POLE #4)	VSCFH-14,16,18	TVL1-40	120	SOCCER PRESSBOX	N.O.	HOA	ON-OFF	1,2,4,5,6,7,8

NOTES: 1. FURNISH NEMA 3R ENCLOSURE WITH HINGED COVER UNLESS OTHERWISE NOTED.  
 2. ELECTRICALLY HELD.  
 3. MECHANICALLY HELD.  
 4. PROVIDE SELECTOR SWITCH IN RELAY ENCLOSURES WITH LOOP AND BRIDLE STRAPS FROM MAIN DEPARTMENT TO HINGED COVER FOR SELECTOR SWITCHES.  
 5. FURNISH FUSE PROTECTION FOR COIL CIRCUIT.  
 6. ACCESSORY 47 TWO WIRE CONTROLS.  
 7. ALL RELAYS AND SELECTOR SWITCHES SHALL BE PREWIRED BY MANUFACTURER.  
 8. ALTERNATE BID.

MOTOR STARTER SCHEDULE						
MARK	ITEM	NEMA SIZE	HP	ROOM NO.	CONTROL	SEE NOTES
MS-1	BOOSTER PUMP	0	3	A-103	SA	1,2,3,5,7,8
MS-2	TEF-1	0	2	A-105	SA	1,2,3,5,7,8

NOTES: 1. MOTOR STARTERS SHALL BE 3-POLE COMBINATION TYPE WITH NEMA 1 ENCLOSURE.  
 2. MOTOR STARTERS SHALL HAVE 480/120 VOLT CONTROL CIRCUIT TRANSFORMER WITH CONTROL CIRCUIT FUSES.  
 3. MOTOR STARTERS SHALL HAVE 120 VOLT COIL AND 600 VOLT CONTACTS.  
 4. 120 VOLT MOMENTARY CONTACT PUSH BUTTON: P=ON-OFF; T=TEST BUTTON; T2=HI-LO TEST PUSH BUTTON; P02=HI-LO-OFF.  
 5. 120 VOLT MAINTAINED CONTACT SELECTOR SWITCH: S=ON-OFF; S2=HI-LOW; S02=HI-LO-OFF; SA=HAND-OFF-AUTOMATIC.  
 6. PILOT LIGHTS SHALL BE FURNISHED WITH ALL REMOTE CONTROL UNITS.  
 7. MOTOR STARTERS SHALL BE SINGLE SPEED.  
 8. MOTOR STARTER SHALL HAVE ONE NORMALLY OPEN CONTACT.

CHESTERTON HIGH SCHOOL ATHLETIC BUILDING LIGHTING FIXTURE SCHEDULE									
TYPE	MANUFACTURERS	VOLTAGE	LIGHT SOURCE	MINIMUM LUMENS	DEGREE K.	MAXIMUM WATTAGE	DIMMING	MOUNTING	DESCRIPTION
L-1	LITHONIA CPX-1X4-5000LM-80CRI-40K-SWL-MINI-ZT-MVOLT-1X4SMKSH METALUX 14FP2640C-FPX5URF14 COLUMBIA CFP14-55/41/3440-SRP5MK-14	120/277	LED	4000 (5086/4226 /3980/4375)	4000	39.2/38.83/31	0-10V 1% DIMMING	SURFACE	1X4 SURFACE MOUNTED LED FLAT PANEL TYPE LIGHTING FIXTURE WITH SURFACE MOUNTING KIT AND LED DIMMING DRIVER.
L-1E	LITHONIA CPX-1X4-5000LM-80CRI-40K-SWL-MINI-ZT-MVOLT-E10W-CP-1X4SMKSH METALUX 14FP2640C-FPX5URF14 COLUMBIA CFP14-55/41/3440-PLD10M-SRP5MK-14	120/277	LED	4000 (5086/4226 /3980/4375)	4000	39.2/38.83/31	0-10V 1% DIMMING	SURFACE	1X4 SURFACE MOUNTED LED FLAT PANEL TYPE LIGHTING FIXTURE WITH SURFACE MOUNTING KIT, LED DIMMING DRIVER AND INTEGRAL EMERGENCY BATTERY UNIT WITH SELF DIAGNOSTIC FEATURE.
L-2	METALUX 45NLED-LDS-33SL-LW-UNV-L840-CD1-U COLUMBIA MPS4-40MW-CW-ED-U LITHONIA ZL1D-L48-5000LM-FST-MVOLT-40K-80CRI-WH-EL145T	120/277	LED	3504/3702/4028	4000	28/30.4/30	NONE	SURFACE	4" PENDANT MOUNTED INDUSTRIAL LIGHTING FIXTURE WITH LENSED AND WIDE DISTRIBUTION
L-2E	METALUX 45NLED-LDS-33SL-LW-UNV-L840-CD1-U-EL14W5T COLUMBIA MPS4-40MW-CW-ED-U-ELL145T LITHONIA ZL1D-L48-5000LM-FST-MVOLT-40K-80CRI-WH-EL145T	120/277	LED	3504/3702/4028	4000	28/30.4/30	NONE	SURFACE	4" PENDANT MOUNTED INDUSTRIAL LIGHTING FIXTURE WITH LENSED, WIDE DISTRIBUTION AND INTEGRAL EMERGENCY BATTERY UNIT WITH SELF-DIAGNOSTIC FEATURE.
L-3	HALO PD6-30-D010-PDM6A-840-61V-C LITHONIA LDN6-40/30-L06AR-L55-TRW-MVOLT-GZ1	MVOLT	LED	2963/3033.9	4000	36.4/34.69	0-10V	RECESSED	6" ROUND RECESSED MOUNTED DOWNLIGHT WITH CLEAR ALZAK REFLECTOR AND MULTI-VOLT LED DIMMING DRIVER. UL LISTED FOR DAMP LOCATIONS. FIXTURE SHALL BE IC RATED.
L-3E	HALO HC6-30-D010-HM6-3040-840-61WD-C-1EM14 LITHONIA LDN6-40/30-L06AR-L55-TRW-MVOLT-GZ1-ELRSD	MVOLT	LED	2963/3033.9	4000	36.4/34.69	0-10V	RECESSED	6" ROUND RECESSED MOUNTED DOWNLIGHT WITH CLEAR ALZAK REFLECTOR, MULTI-VOLT LED DIMMING DRIVER AND INTEGRAL BATTERY UNIT WITH SELF DIAGNOSTIC FEATURE. UL LISTED FOR DAMP LOCATIONS. FIXTURE SHALL BE IC RATED.
L-4	LITHONIA CPX-2X4-5000LM-80CRI-40K-SWL-MINI-ZT-MVOLT-2X4SMKSH METALUX 24CGTX-55-L840-HCD1-SK-24-WS COLUMBIA SRP24-40-ML-G-ED1-U-PSMK-24	120/277	LED	4800 (5193/5412 /4934)	4000	45 (40/44.1/45)	0-10V 1% DIMMING	SURFACE	2X4 SURFACE MOUNTED LED FLAT PANEL TYPE LIGHTING FIXTURE WITH DIMMING DRIVER AND SURFACE MOUNTING KIT.
L-4E	LITHONIA CPX-2X4-5000LM-80CRI-40K-SWL-MINI-ZT-MVOLT-E10W-CP-2X4SMKSH METALUX 24CGTX-55-L840-HCD1-EL10W5D COLUMBIA SRP24-40-ML-G-ED1-U-ELL145T-PSMK-24	120/277	LED	4800 (5193/5412 /4934)	4000	45 (40/44.1/45)	0-10V 1% DIMMING	SURFACE	2X4 SURFACE MOUNTED LED FLAT PANEL TYPE LIGHTING FIXTURE WITH LED DIMMING DRIVER, SURFACE MOUNTING KIT AND INTEGRAL/EXTERNAL EMERGENCY BATTERY UNIT WITH SELF DIAGNOSTIC FEATURE.
L-5E	LITHONIA ARCZ-LED-P3-40K-MVOLT-E4WH-CBA LUMARK AXCS1A-C-BA-CBP	120/277	LED	1800 (3387/1806)	4000	24 (24/14)	NONE	WALL	WALL MOUNTED OUTDOOR WEATHERPROOF CUTOFF TYPE LIGHTING FIXTURE WITH LED LAMPS, LED DRIVER AND COLD WEATHER EMERGENCY BATTERY PACK. UL LISTED FOR WET LOCATIONS. COLOR TO BE SELECTED BY THE ARCHITECT.
SL-1	FC OUTDOOR LIGHTING FCF1109-UNV-4K-CR190-73L-CCE-40-LD-CV9-FE6	277	LED	3620 LUMENS	4000	26 WATTS		POLE	BRACKET MOUNTED TO SCOREBOARD SUPPORT STRUCTURE.
SL-2	RELOCATED SITE LIGHTING FIXTURE AND POLE							POLE	RELOCATED LIGHTING FIXTURE AND POLE ON NEW CONCRETE BASE.

CHESTERTON HIGH SCHOOL SOCCER FIELD LIGHTING FIXTURE SCHEDULE									
MARK	ITEM	VOLTAGE	LIGHT SOURCE	LUMENS	WATTS	DEGREE K.	DIMMING	MOUNTING	DESCRIPTION
SFL-1/S1	MUSCO TLC-LED-1500	480	LED	181,000 LUMENS	4000 WATTS	1500		POLE	SEVEN (7) MUSCO TLC-1500 LED LIGHTING FIXTURES AND CROSS ARMS MOUNTED ON RELOCATED POLES TO BE MOUNTED ON NEW POLE BASES.
SFL-2/S2	MUSCO TLC-LED-1500	480	LED	181,000 LUMENS	4000 WATTS	1500		POLE	SEVEN (7) MUSCO TLC-1500 LED LIGHTING FIXTURES AND CROSS ARMS MOUNTED ON RELOCATED POLES TO BE MOUNTED ON NEW POLE BASES.
SFL-3/S3	MUSCO TLC-LED-1500	480	LED	181,000 LUMENS	4000 WATTS	1500		POLE	EIGHT (8) MUSCO TLC-1500 LED LIGHTING FIXTURES AND CROSS ARMS MOUNTED ON EXISTING POLES.
SFL-4/S4	MUSCO TLC-LED-1500	480	LED	181,000 LUMENS	4000 WATTS	1500		POLE	EIGHT (8) MUSCO TLC-1500 LED LIGHTING FIXTURES AND CROSS ARMS MOUNTED ON EXISTING POLES.

NOTE: ANY SUBMITTED EQUALS MUST INCLUDE DATA SHEETS, FULL SIZE DRAWINGS SHOWING FOOTCANDLES AND ALL APPROPRIATE INFORMATION SHOWING COMPLIANCE WITH DESIGN CRITERIA AND BE SUBMITTED AND APPROVED PRIOR TO BIDDING.



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PROJECT  
**CHESTERTON HS SOCCER VENUE IMPROVEMENTS AND RELATED WORK**

FOR:  
 DUNELAND SCHOOL CORPORATION  
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PROJECT  
 24-134  
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DRAWING  
**ELECTRICAL SCHEDULES**

PROJECT  
**CHESTERTON HIGH SCHOOL SOCCER VENUE IMPROVEMENTS**

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