**QUOTE NO: #551**

# COUNTY OF HENRY, VIRGINIA

PURCHASING DEPARTMENT
P.O. BOX 7
COLLINSVILLE, VA. 24078

TELEPHONE (276) 634-4670
FAX (276) 634-4535
http://www.henrycountyva.gov

**FILL IN THE FOLLOWING INFORMATION**
*** VENDOR COMPANY NAME -**
*** VENDOR ADDRESS -**

**REQUEST FOR QUOTATION**
THIS IS AN INQUIRY, NOT AN ORDER.
PLEASE REPLY PROMPTLY.

**PLEASE QUOTE PRICES ON ITEMS LISTED BELOW. INCLUDE ALL SHIPPING AND INSTALLATION CHARGES. ***NOTE- HENRY COUNTY RESERVES THE RIGHT TO ACCEPT OR REJECT ALL QUOTES OR PARTS OF QUOTES, WAIVE INFORMALITIES AND REQUOTE.*****

**NIGP** MEMBER

| TODAYS DATE | | EASTERN STANDARD TIME AND DATE DUE | DELIVERY REQUIRED BY | |
|---|---|---|---|---|
| **1/13/26** | | **1/21/2026 at 12:00 P.M. (NOON)** | | |
| ITEM | QUANTITY | | UNIT PRICE | SUBTOTAL |
| | **1 EACH** | **BASSETT HIGH SCHOOL FOOTBALL FIELD SIGNAGE** | | |
| | | **HENRY COUNTY PUBLIC SCHOOLS IS REQUESTING QUOTES FOR SIGNAGE AT THE BASSETT HIGH SCHOOL FOOTBALL FIELD.** | | |
| | | **PLEASE SEE THE ATTACHED CONSTRUCTION DOCUMENTS** | | |
| | | **PLEASE CONTACT KEITH SCOTT (HENRY COUNTY PUBLIC SCHOOLS FACILITIES MAINTENANCE DIRECTOR) AT (276) 666-2404 OR kascott@henry.k12.va.us FOR DETAILED QUESTIONS** | | |
| | | **PLEASE SUBMIT YOUR QUOTE AND THIS COVER PAGE WITH ANY SUPPORTING DOCUMENTS TO JULIE SHELTON**<br>**EMAIL TO jbshelton@henrycountyva.gov**<br>**OR FAX TO 276-634-4535** | | |
| | | ****DUE DATE IS 1/21/2026 at 12:00 P.M. (NOON)** | | |
| | | **TURNKEY PRICE PER SPECIFICATIONS** | | $ |

**SEND QUOTES VIA MAIL/FAX TO THE ATTENTION OF:**

**QUOTES MUST BE RECEIVED BY DATE AND TIME LISTED ABOVE TO BE CONSIDERED. WE DO NOT ACCEPT LATE QUOTES.**

**IF THE COUNTY CLOSES ITS OFFICES DUE TO INCLEMENT WEATHER OR FOR OTHER REASONS, THE SCHEDULED QUOTE SUBMISSION DEADLINE WILL BE EXTENDED TO THE NEXT OPEN BUSINESS DAY AT THE SAME TIME, UNLESS AN ADDENDUM IS DONE THAT STATES OTHERWISE.**

**VENDOR: PLEASE COMPLETE THIS INFORMATION.**

1.) DELIVERY PROMISED _____

2.) TERMS _____

3.) DATE OF QUOTE _____ _____
VENDOR SIGNATURE

4.) TELEPHONE # _____

5.) FAX # _____ _____
PLEASE PRINT NAME AND TITLE

# BASSETT HIGH SCHOOL FOOTBALL SIGNAGE

## HENRY COUNTY PUBLIC SCHOOLS

## RRMM ARCHITECTS, PC

ARCHITECTURE / PLANNING / INTERIORS


2900 South Quincy Street, Suite 710
Arlington, VA 22206
(703) 998-0101

115 South 15th Street, Suite 502
Richmond, VA 23219
(804) 277-8987

28 Church Avenue SW
Roanoke, VA 24011
(540) 344-1212

1317 Executive Boulevard, Suite 200
Chesapeake, VA 23320
(757) 622-2828

1 Research Court, Suite 450
Rockville, MD 20850
(240) 403-4101


# CONSTRUCTION DOCUMENTS

### VICINITY MAP


### LOCATION MAP


### CONSULTANTS

Prosim Engineering, LLC
**STRUCTURAL ENGINEERING**
108 South Iron Street
Marion, VA 24354
Phone: (276) 783-3977

Ascent Engineering
**ELECTRICAL ENGINEERING**
5228 Valleypointe Pkwy, Suite 4
Roanoke, VA 24019
Phone: (540) 265-4444
Fax: (540) 265-4445

### OWNER

**HENRY COUNTY PUBLIC SCHOOLS**

85 Riverside Drive
Bassett, VA 24055

Contact:
Keith Scott
Director of Facilities Maintenance
Phone: (276) 666-2404

### DIG NOTICE

CONTACT MISS UTILITY AT 811, 1-800-552-7001, OR
HTTP://WWW.MISSUTILITYOFVIRGINIA.COM NO LESS THAN 72 HOURS PRIOR TO EXCAVATION AND DO NOT
DISTURB THE SOIL UNTIL DIG TICKET HAS BEEN PROCESSED.

### APPLICABLE CODES AND STANDARDS

2022 CONSTRUCTION AND PROFESSIONAL SERVICES MANUAL (CPSM) REVISION 0
2018 VIRGINIA UNIFORM STATEWIDE BUILDING CODE (VUSBC)
2018 VIRGINIA CONSTRUCTION CODE (VCC)
2018 VIRGINIA EXISTING BUILDING CODE (VEBC)
2010 ADA STANDARDS FOR ACCESSIBLE DESIGN (ASAD) DATED SEPTEMBER 15, 2010.

### SHEET INDEX



**NOTE: FIELD VERIFY LOCATION OF SIGNAGE WITH ARCHITECT AND OWNER. ELECTRIC SHALL BE PULLED FROM EXISTING CONCESSIONS STAND.**


| MARK | DATE | REVISIONS | BY | DES |
|---|---|---|---|---|

| | |
|---|---|
| DATE | 05/10/2023 |
| PROJECT | 21195-08 |
| DESIGNED | |
| DRAWN | |
| CHECKED | |


RRMM ARCHITECTS, PC
28 Church Ave SW
Roanoke, Virginia 24011
(540)344-1212


COMMONWEALTH OF VIRGINIA
CHRISTOPHER A. PHILLIPS
Lic. No. 015174
05/10/2023
ARCHITECT

PROJECT BASSETT HIGH SCHOOL FOOTBALL SIGNAGE
HENRY COUNTY PUBLIC SCHOOLS
85 Riverside Dr
Bassett, VA 24055
DRAWING TITLE SHEET

SHEET
G-001

# STRUCTURAL NOTES:

| LOAD CHART: | | |
|---|---|---|
| **BUILDING CODE** | | |
| | 2018 VIRGINIA UNIFORM STATEWIDE BUILDING CODE | |
| | PART I - VIRGINIA CONSTRUCTION CODE | |
| | 2018 INTERNATIONAL BUILDING CODE | |
| | ASCE 7-16 | |
| **RISK CATEGORY** | 2018 IBC TABLE 1604.5 | II |
| **SNOW** | FOR REFERENCE ONLY | |
| | SNOW IMPORTANCE FACTOR, Is | 1.0 |
| | GROUND SNOW LOAD, Pg | 30 PSF |
| **WIND** | | |
| | PROCEDURE | DIRECTIONAL (CH. 27 ASCE 7) |
| | BASIC WIND SPEED, V | 115 MPH |
| | ALLOWABLE STRESS DESIGN WIND SPEED, Vasd | 90 MPH |
| | WIND EXPOSURE CATEGORY | B |
| | PROCEDURE: ASCE 7 - 29.3 SOLID FREESTANDING WALLS | |
| | COMPONENTS & CLADDING - UNFACTORED UNIFORM LOADING APPLIED TO SIGNAGE | 25 PSF |
| **SEISMIC** | | |
| | SEISMIC IMPORTANCE FACTOR, Ie | 1.0 |
| | MAPPED SPECTRAL RESPONSE, Ss | 16.00% |
| | MAPPED SPECTRAL RESPONSE, S1 | 5.90% |
| | SITE CLASS | D |
| | SPECTRAL RESPONSE COEFFICIENT, Sds | 17.00% |
| | SPECTRAL RESPONSE COEFFICIENT, Sd1 | 9.50% |
| | SEISMIC DESIGN CATEGORY | B |
| | SEISMIC-FORCE RESISTING SYSTEM | ASCE 7 - CH. 15 |
| | GROUND SUPPORTED CANTILEVER WALLS | TABLE 15.4-2 |
| | SEISMIC RESPONSE COEFFICIENT, Cs | 0.02 |
| | SEISMIC MODIFICATION FACTOR, R | 1.3 |
| | DESIGN BASE SHEAR | 1.25 KIPS |
| **SOIL** | | |
| | UNIT WEIGHT OF SOIL | 110 PCF |
| | ALLOWABLE LATERAL BEARING PRESSURE | 100 PSF/FT |
| | NET ALLOWABLE BEARING PRESSURE | 2000 PSF |

## STRUCTURAL:

A. SPECIAL INSPECTIONS ARE REQUIRED BY THE BUILDING CODE. REFER TO PROJECT SPECIFICATIONS, AND SCHEDULE OF SPECIAL INSPECTIONS FOR SPECIFIC REQUIREMENTS.
   1. CONTRACTOR SHALL COORDINATE INSPECTIONS WITH A MINIMUM OF 48 HOUR NOTICE TO INSPECTOR.
   2. CONTRACTOR SHALL PROVIDE FULL ACCESS TO ALL ITEMS NECESSARY FOR INSPECTION- IF ITEMS NEED TO BE REMOVED FOR ACCESS, CONTRACTOR SHALL REMOVE AT NO COST TO OWNER.

B. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL, CIVIL, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS.

C. CONTRACTOR SHALL VERIFY THE REQUIREMENT OF OTHER TRADES FOR SLEEVES, CHASES, HANGERS, INSERTS, ANCHORS, HOLES AND ADDITIONAL ITEMS TO BE PLACED OR SET SIMULTANEOUS WITH STRUCTURAL WORK.

D. DETAILS AND SECTIONS SHOWN ARE TYPICAL AND APPLY TO SIMILAR OR LIKE CONDITIONS.

   WHEN THE WORD "SIMILAR" (SIM.) OR "TYPICAL" (TYP.) APPEARS ON THE DRAWINGS, IT HAS A GENERAL MEANING AND MUST NOT BE INTERPRETED AS MEANING IDENTICAL. CONTRACTOR IS RESPONSIBLE FOR REVIEWING DRAWINGS, LOCATING SIMILAR AND TYPICAL CONDITIONS AND WORKING OUT DETAILS IN RELATION TO THEIR LOCATION AND CONNECTION WITH OTHER PARTS OF THE WORK.

E. DO NOT SCALE DRAWINGS, FOLLOW DIMENSIONS ON PLANS.

F. DO NOT CHANGE THE SIZE, LENGTH OR SPACING OF STRUCTURAL ELEMENTS WITHOUT APPROVAL OF STRUCTURAL ENGINEER.

G. DESIGN, ADEQUACY, AND SAFETY OF ERECTION BRACING, SHORING AND TEMPORARY SUPPORTS IS THE SOLE RESPONSIBILITY OF CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH OSHA SAFETY REGULATIONS.

H. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS INCLUDING DIMENSIONS TO EXISTING STRUCTURES, GRADES, UTILITIES, FRAMING, FOUNDATIONS AND HIDDEN CONDITIONS AND COORDINATE THESE CONDITIONS WITH THE CONTRACT DOCUMENTS. NOTIFY THE ARCHITECT AND ENGINEER OF EXISTING CONDITIONS THAT ARE NOT AS SHOWN.

## CONCRETE AND REINFORCEMENT:

A. GENERAL CONCRETE SHALL BE:

| LOCATION | WEIGHT | STRENGTH (PSI) | AIR (%) (+/- 1%) | SLUMP (IN.) (+/- 1/2) | MAX W/C RATIO | EXPOSURE CATEGORY |
|---|---|---|---|---|---|---|
| FOUNDATIONS | NW | 4500 | 6 | 5 | 0.48 | F1 |
| FIELD SAMPLING SHALL BE OBTAINED FROM MIDDLE OF BATCH | | | | | | |

1. NORMAL WEIGHT (NW) CONCRETE SHALL BE 145– 150 PCF
2. SLUMPS ABOVE ARE PRIOR TO ADDITION OF PLASTICIZERS OR MID RANGE WATER REDUCER. MAXIMUM SLUMP AFTER APPROVED ADDITIVES SHALL BE (9) INCHES MAXIMUM.
3. MATERIALS:
   CEMENT: ASTM C 150 TYPE I/II
   FLY ASH: ASTM C618 CLASS C OR F, 20% MAX.
   AGGREGATE: ASTM C33, GRADED: 1-1/2 INCH MAXIMUM

B. CONCRETE WORK SHALL BE IN FULL ACCORDANCE WITH:
   AMERICAN CONCRETE INSTITUTE (ACI) 301, 315, AND 318
   CRSI RECOMMENDED PRACTICE OF PLACING REINFORCING BARS
   ACI 117 FOR PLACEMENT TOLERANCES (CONCRETE AND REINFORCEMENT)
   ACI 306 AND ACI 305 COLD/HOT WEATHER CONCRETING
   ACI 308.1 FOR CURING OF CONCRETE
   ACI 309R-05 GUIDE FOR CONSOLIDATION OF CONCRETE
   ACI 347-04 (CHAPTER 5) GUIDE TO FORMWORK FOR CONCRETE
   ACI "MANUAL OF STANDARD PRACTICES FOR DETAILING REINFORCED CONCRETE STRUCTURES".

C. REINFORCING:
1. ASTM A615, GRADE 60 FOR DEFORMED BARS
2. DEVELOPMENT LENGTH FOR REINFORCEMENT (db = BAR DIAMETER):

| STRENGTH | DEVELOPMENT LENGTH, LD | | |
|---|---|---|---|
| | #6 AND SMALLER | #7 AND LARGER | HOOK, LDH |
| 4500 PSI | 44 db | 55 db | 22 db |

3. DEVELOPMENT LENGTH MINIMUM OF 12 INCHES. HOOK DEVELOPMENT LENGTH MINIMUM 6 INCHES. DEVELOPMENT LENGTH ADJUSTMENTS:
   TOP BAR REINFORCING: ABOVE MULTIPLIED BY 1.3.
   CLASS B TENSION LAPS: ABOVE MULTIPLIED BY 1.3.
4. CONCRETE CLEAR COVER SHALL BE (UNLESS NOTED OTHERWISE):
   BELOW GRADE (UNFORMED) 3"
   BELOW GRADE (FORMED) 2"
   EXPOSED TO WEATHER OR WATER 2"

H. CONDUITS, PIPES OR DUCTS (EXCEEDING ONE-THIRD THE FOUNDATION THICKNESS (INCLUDING CROSSINGS)) SHALL NOT BE PLACED WITHIN THE THICKNESS OF THE FOUNDATION UNLESS SPECIFICALLY DETAILED. SEE THE MECHANICAL AND/OR ELECTRICAL PORTION OF THE CONTRACT DOCUMENTS FOR LOCATION OF SLEEVES AND ACCESSORIES. PIPES AND DUCTS SHALL BE LOCATED BETWEEN THE LAYERS OF REINFORCEMENT. DETAIL ALL SUCH PENETRATIONS AND EMBEDDED ITEMS CLEARLY ON THE REINFORCEMENT SUBMITTAL.

I. REINFORCING STEEL AND EMBEDDED ITEMS SHALL BE ACCURATELY PLACED IN THE POSITIONS SHOWN, TIED AND SUPPORTED BEFORE CONCRETE IS PLACED TO PREVENT DISPLACEMENT BEYOND PERMITTED TOLERANCES.

J. IF APPROVED BY THE ARCHITECT/ENGINEER PRIOR TO USE, EPOXY GROUTING OF DEFORMED BAR DOWELS OR ANCHOR RODS INTO EXISTING OR HARDENED CONCRETE SHALL BE INSTALLED ACCORDING TO EPOXY MANUFACTURERS RECOMMENDATION TO PROVIDE FULL DEVELOPMENT OF THE BAR OR BOLT FOR THE SPECIFIC CONCRETE STRENGTH AT POINT OF ATTACHMENT.
1. APPLY LOADS ONLY AFTER EPOXY HAS REACHED FULL STRENGTH.
2. ALL PARTS OF ANCHORING SYSTEM (RODS, NUTS, WASHERS, BITS, EPOXY, ETC.) SHALL BE FROM A SINGLE SUPPLIER.
3. WORK MUST BE PERFORMED BY ACI CERTIFIED EPOXY ANCHOR INSTALLER.

## STRUCTURAL STEEL:

A. STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH:
   1. ANSI/AISC 360-10 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" - ALLOWABLE STRESS DESIGN
   2. AISC 303-10 "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES"
   3. AWS D1.1 "STRUCTURAL WELDING CODE - STEEL"

B. MATERIALS SHALL COMPLY WITH:

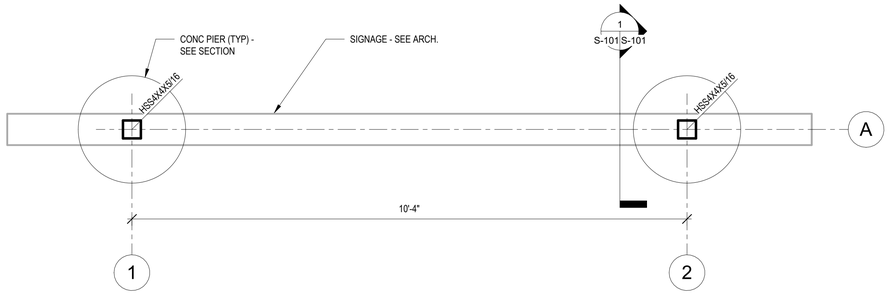
| | | |
|---|---|---|
| 1. | STRUCTURAL STEEL SHAPES (EXCEPT W & C) | ASTM A572 GR 50 or ASTM A992 GR 50 |
| 2. | STRUCTURAL STEEL HSS SECTIONS | ASTM A500 GRADE C OR ASTM 1085 |
| 3. | STRUCTURAL PLATES & BAR | ASTM A36 OR ASTM A572 GRADE 50 |
| 4. | STRUCTURAL NUTS | ASTM A563 |
| 5. | STRUCTURAL WASHERS | ASTM F436 |
| 6. | ANCHOR RODS | ASTM F1554 GRADE 36 |
| 7. | GROUT | ASTM C1107 NON-METALLIC, NON-SHRINK |

C. AISC PLANT CERTIFICATION IS NOT A REQUIREMENT.

D. COATINGS:
1. STRUCTURAL STEEL SHALL BE GALVANIZED PER ASTM A-123.

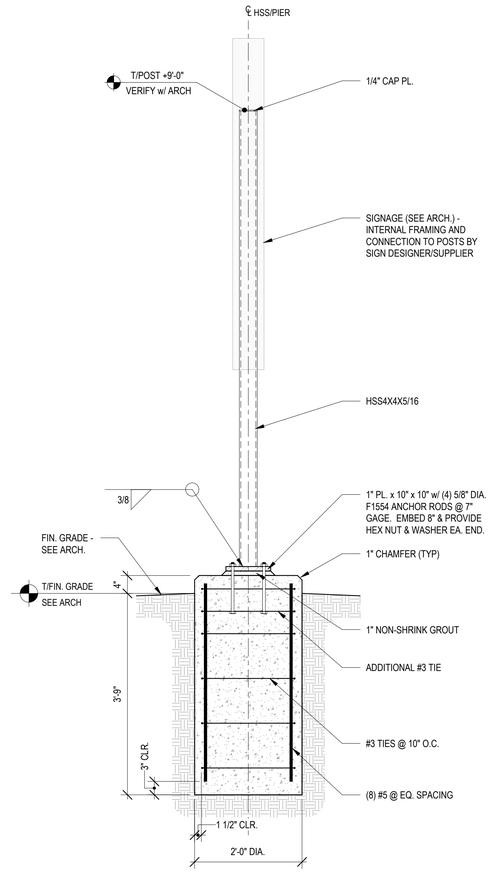
E. WELDING SHALL BE:
1. PERFORMED BY AWS CERTIFIED WELDERS
2. ELECTRODES PER TABLE 4.1 OF ANSI/AWS D1.1

F. CONNECTIONS SHALL BE:
1. IN ACCORDANCE WITH AISC SPECIFICATIONS
2. SHALL BE IN ACCORDANCE WITH PARTS 9 THROUGH 15 OF THE STEEL CONSTRUCTION MANUAL.
3. BOLTS SHALL BE INSTALLED SNUG TIGHT UNLESS INDICATED OTHERWISE




## POST FOUNDATION PLAN

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




1 S-101 S-101 HSS POST BASE

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

## STRUCTURAL SHEET INDEX



| MARK | DATE | REVISIONS | BY | DES |
|---|---|---|---|---|

| DATE | 04/14/23 |
|---|---|
| PROJECT | PE2023037 |
| DESIGNED | AL |
| DRAWN | JWS |
| CHECKED | AL |


RRMM® ARCHITECTS, PC
28 Church Ave SW
Roanoke, Virginia 24011
(540)344-1212


COMMONWEALTH OF VIRGINIA
ALLAN J. LONG
Lic. No. 023840
April 14 2023

PROJECT BASSETT HIGH SCHOOL FOOTBALL SIGNAGE
HENRY COUNTY PUBLIC SCHOOLS
85 Riverside Dr
Bassett, VA 24055

DRAWING STRUC. NOTES, FOUNDATION PLAN, & DETAILS

SHEET
S-101


PROSIM ENGINEERING, LLC
what we do matters
240 SUNCREST ST, SUITE 4, JOHNSON CITY, TN 37615 | 423.477.8314
108 SOUTH IRON ST, MARION, VA 24354 | 276.783.3777
www.prosimeng.com

# SPECIAL INSPECTIONS:

## SCHEDULE OF SPECIAL INSPECTION NOTES

| | |
|---|---|
| 1. | Special Inspections shall comply with the requirements of:<br>2018 Virginia Construction Code - Chapter 17<br>2018 International Building Code - Chapter 17 |
| 2. | The Inspection and Testing Agent(s) shall be engaged by the Owner or the Owner's Agent and not by the Contractor or Sub-Contractor whose work is to be inspected or tested. Any conflict of interest must be disclosed to the Building Official prior to commencing work. The Qualifications of the Special Inspector(s) and/or testing agencies must be subject to the approval of the Building Official and/or the Design Professional. |
| | a. A pre-inspection meeting is to occur between the Special Inspector, Contractor, Owner, Geotechnical Engineer, Architect, Structural Engineer and Civil Engineer (Building Official to be invited). The following shall be reviewed (minimum): |
| | List of inspectors that will be on site, with disipline and copy of qualifications/certifications for each |
| | Contractor anticipated schedule of work for inspectors. This is to be updated monthly. |
| | Establish notice time for Contractor to contact Special Inspector to notify of work to be inspected. |
| | Contact information within Special Inspection firm for Contractor (primary, backup) and method of contact. |
| | Special Inspector shall have a full set of contract documents, specifications along with updates. |
| | Contractor shall provide Special Inspector a copy of approved shop drawings that are relevant to inspections. |
| | Code Requirements for Special Inspector. |
| | Review list of required special inspections for Project. |
| | Special Inspector shall present samples of each checklist to be utilized by inspectors that directly correlates to required IBC inspections. Examples are: Structural Fill Observations, Summary of Field Density, Foundation Excavation Observations, Reinforcement Observations, Concrete Placement Observations, Concrete/Grout Truck Field Log, Structural Masonry CMU, Mortar, Grout and Reinforcement Observations. |
| | b. Special Inspection reports to be submitted to Contractor, Owner, Architect, Structural Engineer, Civil Engineer and Building Official no later than: |
| | Noted Deficiency that is not immediately addressed and reinspected: 24 hours |
| | Test Reports: 24 hours |
| | Inspection / Field Reports: 72 hours |
| | Deficiency Log (updated): Once per month |
| | c. Special Inspector / Report Requirements: |
| | Digital photos (12 megapixel sensor size, 3200 image resolution) must be taken of EVERY inspection observed. Key photos and photos of deficiencies are to be contained within report, other photos are to be maintained by Special Inspector sorted by date of inspection, inspection report number and location of inspection. Photos are to be available immediately to team upon request. At closure of project, provide copy of digital photos to Owner. |
| | Contained in each field report, a graphical copy of the floor plan (or appropriate portion) shall be highlighted to show where the inspection took place. |
| | Report shall clearly indicate project name, date and time of inspection, inspectors name, weather (including temperature), location (see above graphic requirement), items inspected/observed and condition thereof, deficiencies (with resolution if applicable), any areas that could not be inspected, and any areas where work had occurred without notification for inspections |
| | d. Special Inspector, upon request, shall be on site during Structural or Civil Engineer visits to site. |
| 3. | The list of Special Inspectors may be submitted as a separate document, if noted so above. |
| 4. | Special Inspections as required by IBC Section 1704.2.5 are not required where the fabricator is approved in accordance with IBC Section 1704.2.5.1. |
| 5. | Observe on a random basis; operations need not be delayed pending these inspections. Perform these tasks for each welded joint, bolted connection or steel element. |
| 6. | NDT of welds completed in an approved fabricator's shop may be performed by that fabricator when approved by the AHJ. Refer to AISC 306, N6. |
| 7. | RDP shall review fabricator/supplier/producer certificates and/or shop drawings for conformance with appropriate standards of practice, quality assurance and compliance with contract documents |
| 8. | Review records and test results for conformance with requirements and specifications |
| 9. | P - Inspections performed prior to final acceptance of item |
| 10. | PR - Task performed for each bolted connection OB - Observe on a random basis. Operations need not be delayed pending these inspections |

Are *Requirements for Seismic Resistance* included in the *Statement of Special Inspections*? (No)
Are *Requirements for Wind Resistance* included in the *Statement of Special Inspections*? (No)

Registered Design Professional (RDP) in Responsible Charge:

Allan Long
Signature

04/14/23
Date

## 2018 IBC SCHEDULE OF SPECIAL INSPECTION SERVICES

**1705.6 SOILS (IBC TABLE 1705.6)**

| MATERIAL | ITEM | WORK UNDERWAY/INSPECTION | SERVICE | REQ'D | REFERENCE STANDARD | IBC REFERENCE | FREQUENCY | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | CONTINUOUS | PERIODIC | NOTE |
| Soil | 1 | Verify materials below shallow foundations are adequate to achieve the design bearing capacity (gravity and lateral bearing load capacity) | Field Inspection | X | | 1705.6 | - | X | - |
| | 2 | Verify excavations are extended to proper depth and have reached proper material | Field Inspection | X | | 1705.6 | - | X | - |
| | 3 | Perform classification and testing of compacted fill materials | Field Inspection | | | 1705.6 | - | X | - |
| | 4 | Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill | Field Inspection | | | 1705.6 | X | - | - |
| | 5 | Prior to placement of compacted fill, inspect subgrade and verify that site has been prepared properly | Field Inspection | | | 1705.6 | - | X | - |

## 2018 IBC SCHEDULE OF SPECIAL INSPECTION SERVICES

**1705.3 CONCRETE CONSTRUCTION (IBC TABLE 1705.3 - MODIFIED)**

| MATERIAL | ITEM | WORK UNDERWAY/INSPECTION | SERVICE | REQ'D | REFERENCE STANDARD | IBC REFERENCE | FREQUENCY | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | CONTINUOUS | PERIODIC | NOTE |
| Reinf. Steel | 1 | Inspect reinforcement, including prestressing tendons and verify placement | Shop (4) and Field Inspection | X | ACI 318 CH 20, 25.2, 25.3, 26.6.1-26.6.3 | 1908.4 | - | X | - |
| | 2 | Reinforcing bar welding: | | | | | | | |
| | 2a | Verify weldability of reinforcing bars other than ASTM A 706 | Shop (4) and Field Inspection | | AWS D1.4, ACI 318: 26.6.4 | | X | - | 7 |
| | 2b | Inspect single-pass fillet welds, maximum 5/16 in. | Shop (4) and Field Inspection | | | | X | - | 7 |
| | 2c | Inspect all other welds | Shop (4) and Field Inspection | | | | X | - | 7 |
| Anchors | 3 | Inspect anchors cast in concrete | Shop (4) and Field Inspection | X | ACI 318: 17.8.2 | | - | X | 7 |
| | 4 | Inspect anchors post-installed in hardened concrete members: | | | | | | | |
| | 4a | Adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads | Field Inspection | | ACI 318: 17.8.2.4 | Table 1705.3 Footnote (b) | X | - | 7 |
| | 4b | Mechanical anchors and adhesive anchors not defined in (4a) | Field Inspection | X | ACI 318: 17.8.2 | | - | X | 7 |
| | | Inspection of anchors and reinforcing steel post-installed in hardened concrete: per research reports including verification of anchor type, anchor dimensions, hole dimensions, hole cleaning procedures, anchor spacing, edge distances, concrete minimum thickness, and/or embedment and tightening torque. | Field Inspection | X | | | - | Or as required by the research report issued by an approved agency | 7 |
| Concrete | 5 | Verify use of required mix design | Shop (4) and Field Inspection | X | ACI 318: CH. 19, 26.4.3, 26.4.4 | 1904.1, 1904.2, 1908.2, 1908.3 | - | X | 7 |
| | 6 | Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of concrete | Shop (4) and Field Inspection | X | ASTM C 172, ASTM C 31, ACI 318: 26.5, 26.12 | 1908.10 | X | - | 8 |
| | 7 | Inspect concrete and shotcrete placement for proper application techniques. | Field Inspection | X | ACI 318; 26.5 | 1908.6, 1908.7, 1908.8 | X | - | - |
| | 8 | Verify maintenance of specified curing temperatures and techniques | Field Inspection | X | ACI 318: 26.5.3-26.5.5 | 1908.9 | - | X | 8 |
| Prestressed | 9 | Inspect prestressed concrete: | | | | | | | |
| | 9a | Application of prestressing forces | Field Inspection | | ACI 318: 26.10 | | X | - | 7 |
| | 9b | Grouting of bonded prestressing tendons | Field Inspection | | ACI 318: 26.9 | | X | - | 7 |
| Precast | 10 | Inspect erection of precast concrete members | Field Inspection | | ACI 318: 26.11.2 | per construction documents | - | X | - |
| | | Perform inspections of welding and bolting in accordance with Section 1705.2 | Field Inspection | | | 1705.2 | - | X | - |
| Post Tension | 11 | Verify in-situ concrete strength, prior to stressing tendons in post-tensioned concrete prior to removal of shores and forms from beams and structural slabs | Shop (4) and Field Inspection | | ACI 318: 26.11.2 | | - | X | - |
| Formwork | 12 | Inspect formwork for shape, location and dimensions of the concrete member being formed, shoring and reshoring | Field Inspection | | ACI 318: 26.11.1.2 (b) | | - | X | - |

| MARK | DATE | REVISIONS | BY | DES |
|---|---|---|---|---|

| | | | | |
|---|---|---|---|---|
| DATE | 04/14/23 | | | |
| PROJECT | PE2023037 | | | |
| DESIGNED | AL | | | |
| DRAWN | JWS | | | |
| CHECKED | AL | | | |


RRMM®
ARCHITECTS, PC
28 Church Ave SW
Roanoke, Virginia 24011
(540)344-1212


COMMONWEALTH OF VIRGINIA
ALLAN J. LONG
Lic. No. 023340
April 14, 2023
PROFESSIONAL ENGINEER

PROJECT BASSETT HIGH SCHOOL FOOTBALL SIGNAGE
HENRY COUNTY PUBLIC SCHOOLS
85 Riverside Dr
Bassett, VA 24055

DRAWING SPECIAL INSPECTIONS

SHEET
S-102


PROSIM
ENGINEERING, LLC
what we do matters
240 SUNCREST ST, SUITE 4, JOHNSON CITY, TN 37615 | 423.477.8314
108 SOUTH IRON ST, MARION, VA 24354 | 276.783.3977
www.prosimeng.com

# SPECIAL INSPECTIONS:

## 2018 IBC SCHEDULE OF SPECIAL INSPECTION SERVICES

**1705.2 STRUCTURAL STEEL**

| MATERIAL | ITEM | WORK UNDERWAY/INSPECTION | SERVICE | REQ'D | REFERENCE STANDARD | REFERENCE | FREQUENCY | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | AISC 360 (UNO) | | CONTINUOUS | PERIODIC | NOTE |
| Structural Steel | 1 | Fabricator and erector quality control | Submittal Review | | N2 | | - | X | 7, 8 |
| | 1a | Material identification | Submittal Review | | N2, paragraph 1 | | - | X | 7, 8 |
| | | Fabricator quality control procedures | Submittal Review | | N2, paragraph 2 | | - | X | 7, 8 |
| | | Erector quality control procedures | Submittal Review | | N2, paragraph 3 | | - | X | 7, 8 |
| | 1b | Submittals for steel construction | Submittal Review | | N3, paragraph 1 | | - | X | 7, 8 |
| | | Available documents for steel construction | Submittal Review | | N3, paragraph 2 | | - | X | 7, 8 |
| | | Quality control inspector qualifications | Submittal Review | | N4, paragraph 1 | | - | X | 7, 8 |
| | | Quality assurance inspector qualifications | Submittal Review | | N4, paragraph 2 | | - | X | 7, 8 |
| | | NDT personnel qualifications | Submittal Review | | N4, paragraph 3 | | - | X | 7, 8 |
| | 2 | Embedments (verify diameter, grade, type, length, embedment) | Field Inspection | X | | ACI 318 17.8.2, TMS 602 ART. 2.4 B & 2.4 H | - | X | - |
| | 3 | Verify member locations, braces, stiffeners, and application of joint details at each connection complies with construction documents | Field Inspection | | | | - | X | - |
| Welding | 4a | Prior to welding: Perform/observe the QA tasks listed in Table N5.4-1 for each welded joint or member | Shop (4) and Field Inspection | X | TABLE N5.4-1 | | - | - | 5 - Observe or perform as noted |
| | | Welder qualification records and continuity records | Shop (4) and Field Inspection | | TABLE N5.4-1 | | - | OB | - |
| | | WPS available (welder procedure specification) | Shop (4) and Field Inspection | | TABLE N5.4-1 | | PR | - | - |
| | | Manufacturer certifications for welding consumables available | Shop (4) and Field Inspection | | TABLE N5.4-1 | | PR | - | - |
| | | Material identification (type/grade) | Shop (4) and Field Inspection | | TABLE N5.4-1 | | - | OB | - |
| | | Welder identification system | Shop (4) and Field Inspection | | TABLE N5.4-1 | | - | OB | - |
| | | Fit-up groove welds (including joint geometry)<br>Joint preparations<br>Dimensions (alignment, root opening, root face, bevel)<br>Cleanliness (condition of steel surfaces)<br>Tacking (tack weld quality and location)<br>Backing type and fit (if applicable) | Shop (4) and Field Inspection | | TABLE N5.4-1 | | - | OB | - |
| | | Fit-up of CJP groove welds of HSS T-, Y- and K- joints without backing (including joint geometry)<br>Joint preparations<br>Dimensions (alignment, root opening, root face, bevel)<br>Cleanliness (condition of steel surfaces)<br>Tacking (tack weld quality and location) | Shop (4) and Field Inspection | | TABLE N5.4-1 | | - | OB | - |
| | | Configuration and finish of access holes | Shop (4) and Field Inspection | | TABLE N5.4-1 | | - | OB | - |
| | | Fit-up of fillet welds<br>Dimensions (alignment, gaps at root)<br>Cleanliness (condition of steel surfaces)<br>Tacking (tack weld quality and location) | Shop (4) and Field Inspection | | TABLE N5.4-1 | | - | OB | - |
| | | Check welding equipment | Shop (4) and Field Inspection | | TABLE N5.4-1 | | - | OB | - |
| | 4b | During welding: Perform/observe the QA tasks listed in Table N5.4-2 for each welded joint or member | Shop (4) and Field Inspection | X | TABLE N5.4-2 | | - | - | 5 - Observe |
| | | Control and handling of weldables<br>Packaging<br>Exposure control | Shop (4) and Field Inspection | | TABLE N5.4-2 | | - | OB | - |
| | | No welding over cracked tack welds | Shop (4) and Field Inspection | | TABLE N5.4-2 | | - | OB | - |
| | | Environmental conditions<br>Wind speed within limits<br>Precipitation and temperature | Shop (4) and Field Inspection | | TABLE N5.4-2 | | - | OB | - |
| | | WPS followed<br>Settings on welding equipment<br>Travel speed<br>Selected welding materials<br>Shielding gas type/flow rates<br>Preheat applied<br>Interpass temperature maintained (min./max.)<br>Proper position (F, V, H, OH) | Shop (4) and Field Inspection | | TABLE N5.4-2 | | - | OB | - |
| | | Welding techniques<br>Interpass and final cleaning<br>Each pass within profile limitations<br>Each pass meets quality requirements | Shop (4) and Field Inspection | | TABLE N5.4-2 | | - | OB | - |
| | | Placement and installation of steel headed stud anchors | Shop (4) and Field Inspection | | TABLE N5.4-2 | | PR | - | - |
| | 4c | After welding: Perform/observe the QA tasks listed in Table N5.4-3 for each welded joint or member | Shop (4) and Field Inspection | X | TABLE N5.4-3 | | - | - | 5 - Observe or perform as noted |
| | | Welds cleaned | Shop (4) and Field Inspection | X | TABLE N5.4-3 | | | OB | - |
| | | Size, length and location of welds | Shop (4) and Field Inspection | X | TABLE N5.4-3 | | PR | - | - |
| | | Welds meet visual acceptance criteria<br>Crack prohibition<br>Weld/base-metal fusion<br>Crater cross section<br>Weld profiles<br>Weld size<br>Undercut<br>Porosity | Shop (4) and Field Inspection | X | TABLE N5.4-3 | | PR | - | - |
| | | Arc strikes | Shop (4) and Field Inspection | | TABLE N5.4-3 | | PR | - | - |
| | | k-area | Shop (4) and Field Inspection | | TABLE N5.4-3 | | PR | - | - |
| | | Weld access holes in rolled heavy shapes and built-up heavy shapes | Shop (4) and Field Inspection | | TABLE N5.4-3 | | PR | - | - |
| | | Backing removed and weld tabs removed (if required) | Shop (4) and Field Inspection | | TABLE N5.4-3 | | PR | - | - |
| | | Repair activities | Shop (4) and Field Inspection | | TABLE N5.4-3 | | PR | - | - |
| | | Document acceptance or rejection of welded joint or member | Shop (4) and Field Inspection | | TABLE N5.4-3 | | PR | - | - |
| | | No prohibitive welds have been added without approval of EOR | Shop (4) and Field Inspection | X | TABLE N5.4-3 | | | OB | - |
| Non-Destructive Testing | 5 | Non-Destructive Testing (NDT) of welded joints | | X | AWS D1.1 & AISC 360 Commentary | | - | - | - |
| | | Complete penetration groove welds 5/16" or greater in Risk Category III or IV | Shop (4) or field ultrasonic testing - 100% | | N5, paragraph 5b | | - | X | - |
| | | Complete penetration groove welds 5/16" or greater in Risk Category II | Shop (4) or field ultrasonic testing - 10% of welds, min. | | N5, paragraph 5b | | - | X | - |
| | | Thermally cut surfaces of access holes when material t > 2" | Shop (4) or field magnetic particle or penetrant testing | | | | - | X | - |
| | | Welded joints subject to fatigue when required by AISC 360 | Shop (4) or field radiographic or ultrasonic testing | | Appendix 3, Table A-3.1 | | - | X | - |
| | | Fabricators NDT reports when fabricator performs NDT | Verify reports | X | | | - | - | 6 - Each submittal |

## 2018 IBC SCHEDULE OF SPECIAL INSPECTION SERVICES CONT.

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bolting | 6a | Prior to bolting: Perform/observe the QA tasks listed in Table N5.6-1 for each bolted connection | Shop (4) and Field Inspection | | TABLE N5.6-1 | | - | - | 5 - Observe or perform as noted |
| | | Manufacture's certifications available for fastener materials | Shop (4) and Field Inspection | | TABLE N5.6-1 | | PR | - | - |
| | | Fasteners marked in accordance with ASTM requirements | Shop (4) and Field Inspection | | TABLE N5.6-1 | | - | OB | - |
| | | Correct fasteners selected for the joint detail (grade, type, bolt length, if threads are to be excluded from shear plane) | Shop (4) and Field Inspection | | TABLE N5.6-1 | | - | OB | - |
| | | Correct bolting procedure selected for joint detail | Shop (4) and Field Inspection | | TABLE N5.6-1 | | - | OB | - |
| | | Connecting elements, including the appropriate faying surface condition and hole preparation, if specified, meet applicable requirements | Shop (4) and Field Inspection | | TABLE N5.6-1 | | - | OB | - |
| | | Pre-installation verification testing by installation personnel observed and documented for fastener assemblies and methods used | Shop (4) and Field Inspection | | TABLE N5.6-1 | | - | OB | - |
| | | Protected storage provided for bolts, nuts, washers and other fastener components | Shop (4) and Field Inspection | | TABLE N5.6-1 | | - | OB | - |
| | 6b | During bolting: Perform/observe the QA tasks listed in Table N5.6-2 for each bolted connection | Shop (4) and Field Inspection | | TABLE N5.6-2 | | - | - | 5 - Observe |
| | | Fastener assemblies placed in all holes and washers and nuts are positioned as required | Shop (4) and Field Inspection | | TABLE N5.6-2 | | - | OB | - |
| | | Joint brought to the snug-tight condition prior to the pre-tensioning operation | Shop (4) and Field Inspection | | TABLE N5.6-2 | | - | OB | - |
| | | Fastener component not turned by the wrench prevented from rotation | Shop (4) and Field Inspection | | TABLE N5.6-2 | | - | OB | - |
| | | Fasteners are pretensioned in accordance with RCSC Specification, progressing systematically from the most rigid point toward free edges | Shop (4) and Field Inspection | | TABLE N5.6-2 | | - | OB | - |
| | 6c | After bolting: Perform/observe the QA tasks listed in Table N5.6-3 for each bolted connection | Shop (4) and Field Inspection | | TABLE N5.6-3 | | - | - | 5 - Perform |
| | | Document acceptance or rejection of bolted connections | Shop (4) and Field Inspection | | TABLE N5.6-3 | | PR | - | - |
| Pre-Tensioned & Slip-Critical | 7 | Pre-Tensioned and slip-critical joints | Shop (4) and Field Inspection | | N Para 6 | | - | - | - |
| | | Turn-of-nut with matching markings | Shop (4) and Field Inspection | | N Para 6 | | - | X | - |
| | | Direct tension indicator | Shop (4) and Field Inspection | | N Para 6 | | - | X | - |
| | | Twist-off type tension control bolt | Shop (4) and Field Inspection | | N Para 6 | | - | X | - |
| | | Turn-of-nut without matching markings | Shop (4) and Field Inspection | | N Para 6 | | X | - | - |
| | | Calibrated wrench | Shop (4) and Field Inspection | | N Para 6 | | X | - | - |
| | | Snug-tight joints | Shop (4) and Field Inspection | | N Para 6 | | - | X | - |

| REVISIONS | MARK | DATE | BY | DES |
|---|---|---|---|---|

| DATE | 04/14/23 |
|---|---|
| PROJECT | PE2023037 |
| DESIGNED | AL |
| DRAWN | JWS |
| CHECKED | AL |


RRMM®
ARCHITECTS, PC
28 Church Ave SW
Roanoke, Virginia 24011
(540)344-1212


COMMONWEALTH OF VIRGINIA
ALLAN J. LONG
Lic. No. 023840
April 14
2023
PROFESSIONAL ENGINEER

PROJECT
BASSETT HIGH SCHOOL FOOTBALL SIGNAGE
HENRY COUNTY PUBLIC SCHOOLS
85 Riverside Dr
Bassett, VA 24055
DRAWING
SPECIAL INSPECTIONS

SHEET
S-103


PROSIM
ENGINEERING, LLC
what we do matters
240 SUNCREST ST, SUITE 4, JOHNSON CITY, TN 37615 | 423.477.8314
108 SOUTH IRON ST, MARION, VA 24354 | 276.783.3977
www.prosimeng.com

# ABBREVIATIONS

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| # | NUMBER | CONN | CONNECTION | FND | FEMININE NAPKIN DISPENSER | LLH | LONG LEG HORIZONTAL | QT | QUARRY TILE | TSC | TEACHERS STORAGE CABINET | VTR | VENT THRU ROOF |
| &, + | AND | CONST | CONSTRUCTION | FOC | FACE OF CONCRETE | LLV | LONG LEG VERTICAL | QTY | QUANTITY | TTD | TOILET TISSUE DISPENSER | VWC | VINYL WALL COVERING |
| +/- | PLUS OR MINUS | CONT | CONTINUOUS | FOM | FACE OF MASONRY | LP | LOW POINT | | | TV | TELEVISION | | |
| @ | AT | CONTR | CONTRACT, CONTRACTOR | FOS | FACE OF STUDS | LTG | LIGHTING | R | RISER, RIDGE | TW | TEACHERS WARDROBE | W | WEST, WIDE, WIDTH |
| ° | DEGREES | CORR | CORRUGATED | FP | FIREPROOF | LTL | LINTEL | R/W | RIGHT OF WAY | TYP | TYPICAL | W/ | WITH |
| Ø | DIAMETER | CPT | CARPET | FPL | FIREPLACE | LVR | LOUVER | RA | RETURN AIR | | | W/O | WITHOUT |
| Ω | ARC LENGTH | CRS | COURSE. COURSES | FR | FIRE RATED | LW | LIGHTWEIGHT | RAD | RADIUS | UC | UNDERCUT | WAIN | WAINSCOT |
| | | CSMT | CASEMENT | FRG | (GLASS) FIBER REINFORCED GYPSUM | | | RAS | RESILIENT ATHLETIC SURFACING | UG | UNDER GROUND | WB | WOOD BASE |
| A/C | AIR CONDITIONING | CSWK | CASEWORK | FRM | FRAME, FRAMED | M | METER | RB | RESILIENT BASE | UH | UNIT HEATER | WC | WATER CLOSET |
| AB | ANCHOR BOLT | CT | CERAMIC TILE | FRMG | FRAMING | M/S | MOP SINK | RCP | REFLECTED CEILING PLAN | UNF | UNFINISHED | WD | WOOD / WOOD FLOORING |
| ABV | ABOVE | CTB | CERAMIC TILE BASE | FRP | FIBERGLASS REINFORCED PLASTIC | MACH | MACHINE | RD | ROOF DRAIN | UON | UNLESS OTHERWISE NOTED | WDB | WOOD BASE |
| ACM | ASBESTOS CONTAINING MATERIAL | CU FT | CUBIC FEET | FRT | FIRE RETARDANT TREATED | MAINT | MAINTENANCE | RECP | RECEPTACLE | | | WDW | WINDOW |
| ACP | ACOUSTIC CEILING PANEL | CU YD | CUBIC YARD | FT | FOOT, FEET | MANUF | MANUFACTURE, MANUFACTURER | REF | REFERENCE | V | VOLT, VALLEY | WGL | WIRE GLASS |
| ACT | ACOUSTIC CEILING TILE | CUH | CABINET UNIT HEATER | FTG | FOOTING | MAR | MARBLE | REFRIG | REFRIGERATOR | VAC | VACUUM | WH | WATER HEATER |
| ADDN | ADDITION | CW | COLD WATER | FUM | FUME HOOD | MAS | MASONRY | REINF | REINFORCE, REINFORCED, REINFORCING | VAR | VARNISH | WI | WROUGHT IRON |
| ADH | ADHESIVE | CWFP | CEMENTITIOUS WOOD FIBER PANELS | FUR | FURRED, FURRING | MATL | MATERIAL | | | VB | VENTED BASE | WMS | WIRE MANAGEMENT SLOT |
| ADJ | ADJUSTABLE | | | FURN | FURNITURE | MAX | MAXIMUM | REM | REMOVE | VCT | VINYL COMPOSITION TILE | WP | WATERPROOFING |
| AFF | ABOVE FINISH FLOOR | D | DEEP, DEPTH, DRAIN | FURR | FURRING | MB | MARKERBOARD | REQD | REQUIRED | VEN | VENEER | WPT | WORKING POINT |
| AGG | AGGREGATE | DBL | DOUBLE | | | MBR | MODIFIED BITUMEN ROOF | REQMT | REQUIREMENT | VERT | VERTICAL | WR | WASTE RECEPTACLE |
| AHU | AIR HANDLING UNIT | DEMO | DEMOLITION | G | GAS | MECH | MECHANIC, MECHANICAL | RESIL | RESILIENT | VEST | VESTIBULE | WT | WEIGHT |
| AL | ALUMINUM | DET / DTL | DETAIL | GA | GAUGE | MED | MEDIUM | RET | RETURN | VR | VAPOR RETARDER | WWF | WELDED WIRE FABRIC |
| ALT | ALTERNATE | DF | DRINKING FOUNTAIN | GAL | GALLON | MEMB | MEMBRANE | REV | REVISION, REVISIONS, REVISED | VT | VINYL TILE | WWM | WELDED WIRE MESH |
| AMP, A | AMPERE | DH | DOUBLE HUNG | GALV | GALVANIZED | MH | MANHOLE | RFG | ROOFING | | | | |
| ANCH | ANCHOR, ANCHORAGE | DIA | DIAMETER | GB | GRAB BAR | MIN | MINIMUM | RFL | REFLECT, REFLECTED, REFLECTIVE | | | | |
| ANOD | ANODIZED | DIAG | DIAGONAL | GC | GENERAL CONTRACT, CONTRACTOR | MIR | MIRROR | RH | RIGHT HAND | | | | |
| AP | ACCESS POINT | DIM | DIMENSION | GCMU | GLAZED FIBER REINFORCED CONCRETE | MISC | MISCELLANEOUS | RL | RAIN LEADER | | | | |
| APC | ARCHITECTURAL PRECAST CONCRETE | DISP | DISPOSAL | GEN | GENERAL | MLD | MOLDING | RM | ROOM | | | | |
| APPROX | APPROXIMATE | DIV | DIVISION | GFRC | GLASS FIBER REINFORCED CONCRETE | MM | MILLIMETER | RO | ROUGH OPENING | | | | |
| AR | ABUSE RESISTANT | DL | DEAD LOAD | GL | GLASS, GLAZING | MO | MASONRY OPENING | RSHT | RESILIENT SHEET | | | | |
| ARCH | ARCHITECT, ARCHITECTURAL | DMT | DEMOUNTABLE | GPM | GALLONS PER MINUTE | MOD | MODIFIED | RT | RUBBER TILE / RUBBER TREAD | | | | |
| ASB | ASBESTOS | DN | DOWN | GR | GRADE / GROUT | MOV | MOVABLE | RTU | ROOF TOP UNIT | | | | |
| ASPH | ASPHALT | DPG | DAMPPROOFING | GSU | GLAZED STRUCTURAL UNIT | MR | MAP RAIL | | | | | | |
| ATTEN | ATTENUATION | DPR | DISPENSER | GWB | GYPSUM WALLBOARD | MT | MOUNT | S | SOUTH | | | | |
| AUTO | AUTOMATIC | DR | DOOR, DISPLAY RAIL | GWT | GLAZED WALL TILE | MTD | MOUNTED, MOUNTING | S/S | STAINLESS STEEL, SERVICE SINK | | | | |
| AVG | AVERAGE | DS | DOWNSPOUT | GYP | GYPSUM | MTL | METAL | SAB | SOUND ATTENUATION BLANKET | | | | |
| AWP | ACOUSTIC WALL PANEL | DWG | DRAWING | | | MULL | MULLION | SAN | SANITARY SEWER | | | | |
| | | DWR | DRAWER | H | HIGH | MWP | MEMBRANE WATERPROOFING | SAPC | SUSPENDED ACOUSTIC PANEL CEILING | | | | |
| BC | BOTTOM OF CURB | | | H/C | HANDICAPPED | | | SC | SOLID CORE, SEALED CONCRETE | | | | |
| BD | BOARD | E | EAST | HB | HOSE BIB | N | NORTH | SCHED | SCHEDULE | | | | |
| BEJ | BUILDING EXPANSION JOINT | EA | EACH | HC | HOLLOW CORE | N/C | NO CHARGE | SCW | SOLID CORE WOOD | | | | |
| BETW | BETWEEN | EF | EXHAUST FAN | HD | HAND | NAT | NATURAL | SD | SOAP DISPENSER, STORM DRAIN | | | | |
| BIT | BITUMINOUS | EFS | EXTERIOR FINISH SYSTEM | HDBD | HARDBOARD | NIC | NOT IN CONTRACT | SEC | SECTION | | | | |
| BL | BLEACHER FINISH | EIFS | EXTERIOR INSULATION FINISH SYSTEM | HDWD | HARDWOOD | NO | NUMBER | SF | SQUARE FEET | | | | |
| BLDG | BUILDING | EJ | EXPANSION JOINT | HDWR | HARDWARE | NOM | NOMINAL | SFGL | SAFETY GLASS | | | | |
| BLK | BLOCK | ELAS | ELASTOMERIC | HGT | HEIGHT | NRC | NOISE REDUCTION COEFFICIENT | SHLVG | SHELVING | | | | |
| BLKG | BLOCKING | ELEC | ELECTRICAL | HM | HOLLOW METAL | NTS | NOT TO SCALE | SHM | SECURITY HOLLOW METAL | | | | |
| BM | BEAM | ELEV | ELEVATION, ELEVATOR | HORIZ | HORIZONTAL | | | SHT | SHEET | | | | |
| BO | BOTTOM OF | EM | ENTRANCE MAT | HP | HIGH POINT | OA | OVERALL | SHTH | SHEATHING | | | | |
| BOT, B | BOTTOM | EMER | EMERGENCY | HR | HOUR | OBS | OBSCURE | SIM | SIMILAR | | | | |
| BRG | BEARING | ENCL | ENCLOSE, ENCLOSURE | HTG | HEATING | OC | ON CENTER | SLR | SEALER | | | | |
| BRK | BRICK | EP | ELECTRICAL PANELBOARD | HVAC | HEATING, VENTILATION AND AIR CONDITIONING | OD | OUTSIDE DIAMETER | SN | STAGE NOSE | | | | |
| BS | BOTH SIDES | EPDM | ETHYLENE PROPYLENE DIENE MONOMER | HW | HOT WATER | OF/CI | OWNER FURNISHED / CONTRACTOR INSTALLED | SND | SANITARY NAPKIN DISPOSER | | | | |
| BSMT | BASEMENT | | | HWH | HOT WATER HEATER | OH | OVERHEAD | SOF | SPRAY-ON FIREPROOFING | | | | |
| BTWN, B/W | BETWEEN | EPS | EXPANDED POLYSTYRENE | | | OPNG | OPENING | SPEC | SPECIFICATION, SPECIFICATIONS | | | | |
| BUR | BUILT-UP ROOFING | EPX | EPOXY | ID | INSIDE DIAMETER | OPP | OPPOSITE | SPK | SPEAKER | | | | |
| BVL | BEVELED | EQ | EQUAL | IN | INCH | | | SQ | SQUARE | | | | |
| | | EQUIP | EQUIPMENT | INCL | INCLUDE, INCLUDED, INCLUDING | P | PLATE | SS | SOLID SURFACE | | | | |
| C | CARPET | EST | ESTIMATE | INFO | INFORMATION | PAR | PARALLEL | ST | STAIN, STONE | | | | |
| CAB | CABINET | EWC | ELECTRIC WATER COOLER | INST | INSTALLATION | PART | PARTIAL | STC | SOUND TRANSMISSION CLASS | | | | |
| CAP | CAPACITY | EXCA | EXCAVATE | INSUL | INSULATE, INSULATED, INSULATION | PC | PRE-CAST, PIECE | STD | STANDARD | | | | |
| CB | CHALKBOARD | EXH | EXHAUST | INT | INTERIOR | PED | PEDESTAL | STFT | STOREFRONT | | | | |
| CC | CUBICAL CURTAIN | EXIST | EXISTING | INTRLK | INTERLOCK | PERF | PERFORATE (D) | STL | STEEL | | | | |
| CCTV | CLOSED CIRCUIT TELEVISION | EXP | EXPOSED / EXPANSION | INV | INVERT | PERM | PERIMETER | STOR | STORAGE | | | | |
| CEM | CEMENT | EXP C | EXPANSION CONSTRUCTION | | | PIP | POURED IN PLACE | STRUC | STRUCTURAL | | | | |
| CEM TOP | CEMENT TOPPING | EXT | EXTERIOR | JAN | JANITOR | PL | PROPERTY LINE / PLASTIC LAMINATE | SUB | SUBSTITUTE | | | | |
| CER | CERAMIC | | | JB | JUNCTION BOX | PLAM | PLASTIC LAMINATE | SUSP | SUSPENDED | | | | |
| CF | CUBIC FOOT | FAB | FABRICATE | JC | JANITOR CLOSET | PLAS | PLASTER | SYM | SYMMETRICAL, SYMMETRY | | | | |
| CFLSHG | COUNTER FLASHING | FAS | FASTEN, FASTENER | JCT | JUNCTION | PLUMB | PLUMBING | SYN | SYNTHETIC | | | | |
| CFM | CUBIC FEET PER MINUTE | FB | FACE BRICK | JST | JOIST | PLYWD | PLYWOOD | SYS | SYSTEM | | | | |
| CG | CORNER GUARD | FCVD | FLASH COVED | JT | JOINT | PNL | PANEL | T | TREAD | | | | |
| CHAM | CHAMFER | FD | FLOOR DRAIN, FIRE DAMPER | | | POLY | POLYURETHANE | T&B | TOP & BOTTOM | | | | |
| CI | CAST IRON | FDN | FOUNDATION | KIT | KITCHEN | PORT | PORCELAIN TILE | TB | TACK BOARD | | | | |
| CIP | CAST IN PLACE | FE | FIRE EXTINGUISHER | KO | KNOCKOUT | PORTB | PORCELAIN TILE BASE | TEL | TELEPHONE | | | | |
| CIR | CIRCLE | FEC | FIRE EXTINGUISHER CABINET | KV | KILOVOLT | PPT | PRESERVATIVE PRESSURE TREATED | TEMP | TEMPORARY, TEMPERED | | | | |
| CJ | CONTROL JOINT | FEJ | FLOOR EXPANSION JOINT | KVA | KILOVOLT AMPERE | PR | PAIR | TERR | TERRAZZO | | | | |
| CK | CAULK, CAULKING | FF | FINISH FLOOR | KW | KILOWATT | PREFAB | PREFABRICATE, PREFABRICATED | TG | TONGUE & GROVE | | | | |
| CLG | CEILING | FFE | FINISH FLOOR ELEVATION | | | PREFIN | PRE-FINISHED | THK | THICK, THICKNESS | | | | |
| CLO | CLOSET | FG | FIBER REINFORCED GYPSUM BOARD | L | LENGTH, LONG, LOW | PRJ SC | PROJECTION SCREEN | THRES | THRESHOLD | | | | |
| CLR | CLEAR | FGL | FIBERGLASS | LAB | LABORATORY | PRT | PORCELAIN TILE | THRU | THROUGH | | | | |
| CM | CENTIMETER, CENTIMETERS | FH | FIRE HYDRANT | LAM | LAMINATE | PS | PENCIL SHARPENER | TO | TOP OF | | | | |
| CMP | CORRUGATED METAL PIPE | FHC | FIRE HOSE CABINET | LAV | LAVATORY | PSF | POUNDS PER SQUARE FOOT | TOC | TOP OF CURB | | | | |
| CMU | CONCRETE MASONRY UNIT | FIN | FINISH, FINISHED | LB | POUND | PSI | POUNDS PER SQUARE INCH | TOM | TOP OF MASONRY | | | | |
| CNTR | COUNTER | FIX | FIXTURE | LF | LINEAR FEET | PT | PAINT | TOS | TOP OF STEEL | | | | |
| CO | CLEAN OUT | FLEX | FLEXIBLE | LG | LAMINATED GLASS | PTD | PAINTED | TOW | TOP OF WALL | | | | |
| COL | COLUMN | FLR | FLOOR | LH | LEFT HAND | PTN | PARTITION | TP | TOILET PARTITION | | | | |
| COMM | COMMUNICATION | FLSHG | FLASHING | LIN | LINEAR | PVC | POLYVINYL CHLORIDE / PVC EDGE BAND | TPT | TEXTURED PAINT | | | | |
| COMP | COMPOSITE | FLUOR | FLUORESCENT | LK | LOCKER | PVMT | PAVEMENT | TRTD | TREATED | | | | |
| CONC | CONCRETE | FLUR | FLUORESCENT | | | | | | | | | | |

# ARCHITECTURAL MATERIAL LEGEND

- CONTINUOUS WOOD BLOCKING
- CONCRETE MASONRY UNIT
- CAST-IN-PLACE CONCRETE
- STEEL
- EARTH / COMPACT FILL
- BATT INSULATION
- POROUS FILL / GRAVEL
- RIGID INSULATION
- GYPSUM BOARD
- RESILIENT FLOORING / PLASTIC LAMINATE
- ALUMINUM
- FINISHED WOOD
- WOOD BLOCKING
- BRICK
- GLASS
- ACOUSTICAL TILE
- PLYWOOD
- CERAMIC TILE - LARGE SCALE
- SAND / MORTAR / PLASTER
- GRAVEL

# ARCHITECTURAL GRAPHIC SYMBOLS

MAIN DRAWING TITLE

TITLE — DRAWING TITLE
SCALE: 1/8" = 1'-0" — DRAWING SCALE

DRAWING TITLE WITH REFERENCE SYMBOL

1 / A-1.1 A-1.2 View Name — SCALE: 1/8" = 1'-0"

- DRAWING NUMBER DESIGNATION
- DRAWING TITLE
- DRAWING SCALE
- DRAWING SHEET NUMBER
- DRAWING REFERENCE NUMBER

- ELEVATION REFERENCE
- CONTROL JOINT
- X — NEW WORK KEY NOTE
- 1 — DEMOLITION KEY NOTE

EXTERIOR / INTERIOR / INTERIOR CASEWORK ELEVATION IDENTIFICATION NUMBER

C1 / A-101 A-101 — SHEET NUMBER WHERE ELEVATION IS LOCATED

XX / XX — SIGNAGE TYPE; SIGNAGE NUMBER ARCH NUMBER

BUILDING SECTION REFERENCE

1 / A-1.2 A-2.1 — SECTION NUMBER; DRAWING NUMBER WHERE SECTION IS DRAWN; DRAWING REFERENCE NUMBER

SECTION REFERENCE

1 / A-1.2 A-2.1 — SECTION NUMBER; DRAWING NUMBER WHERE SECTION IS DRAWN; DRAWING REFERENCE NUMBER

SECTION REFERENCE

1 / A-1.1 A-1.2 — SECTION NUMBER; DRAWING NUMBER WHERE SECTION IS DRAWN; DRAWING REFERENCE NUMBER

| MARK | DATE | REVISIONS | BY | DES |
|---|---|---|---|---|

| DATE | 05/10/2023 |
|---|---|
| PROJECT | 21195-08 |
| DESIGNED | RRMM |
| DRAWN | RRMM |
| CHECKED | RRMM |


RRMM ARCHITECTS, PC
28 Church Ave SW
Roanoke, Virginia 24011
(540)344-1212


COMMONWEALTH OF VIRGINIA
CHRISTOPHER A. PHILLIPS
Lic. No. 015174
05/10/2023
ARCHITECT

PROJECT BASSETT HIGH SCHOOL FOOTBALL SIGNAGE
HENRY COUNTY PUBLIC SCHOOLS
85 Riverside Dr
Bassett, VA 24055

DRAWING ARCHITECTURAL GENERAL INFORMATION

SHEET
A-001



1/32" = 1'-0" | 1/16" = 1'-0" | 3/32" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 3/8" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0" | 6" = 1'-0"

# PROJECT SPECIFICATIONS

SECTION 101423 - PANEL SIGNAGE

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

1.2 SUMMARY
- A. Section Includes:
  1. Illuminated panel signs.
- B. Related Requirements:

1.3 COORDINATION
- A. Furnish templates for placement of sign-anchorage devices embedded in permanent construction by other installers.
- B. Furnish templates for placement of electrical service embedded in permanent construction by other installers.

1.4 ACTION SUBMITTALS
- A. Product Data: For each type of product.
- B. Sustainable Design Submittals:
- C. Shop Drawings: For panel signs.
  1. Include fabrication and installation details and attachments to other work.
  2. Show sign mounting heights, locations of supplementary supports to be provided by other installers, and accessories.
  3. Show message list, typestyles, graphic elements, and layout for each sign at least half size.
  4. Show locations of electrical service connections.
  5. Include diagrams for power, signal, and control wiring.
  6. Provide rendered graphic of proposed sign that includes colors, facing material and proposed graphic material.
- D. Delegated-Design Submittal: For signs indicated in "Performance Requirements" Article.
  1. Include structural analysis calculations for signs indicated to comply with design loads; signed and sealed by the qualified professional engineer responsible for their preparation.

1.5 INFORMATIONAL SUBMITTALS
- A. Qualification Data: For Installer and manufacturer.
- B. Sample Warranty: For special warranty.

1.6 CLOSEOUT SUBMITTALS
- A. Maintenance Data: For signs to include in maintenance manuals.

1.7 QUALITY ASSURANCE
- A. Installer Qualifications: Manufacturer of products.

1.8 FIELD CONDITIONS
- A. Field Measurements: Verify locations of anchorage devices and electrical service embedded in permanent construction by other installers by field measurements before fabrication, and indicate measurements on Shop Drawings.

1.9 WARRANTY
- A. Special Warranty: Manufacturer agrees to repair or replace components of signs that fail in materials or workmanship within specified warranty period.
  1. Failures include, but are not limited to, the following:
     a. Deterioration of finishes beyond normal weathering.
     b. Deterioration of embedded graphic image.
     c. Separation or delamination of sheet materials and components.
  2. Warranty Period: Five years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS
- A. Delegated Design: Engage a qualified professional engineer, as defined in Section 014000 "Quality Requirements," to design sign structure and anchorage of illuminated panel sign type(s) according to structural performance requirements.
- B. Structural Performance: Signs and supporting elements shall withstand the effects of gravity and other loads within limits and under conditions indicated.
  1. Uniform Wind Load: As indicated on Drawings.
  2. Other Design Load: As indicated on Drawings.
- C. Thermal Movements: For exterior signs, allow for thermal movements from ambient and surface temperature changes.
  1. Temperature Change: 120 deg F, ambient; 180 deg F, material surfaces.
- D. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

2.2 PANEL SIGNS
- A. Panel Sign: Sign with smooth, uniform surfaces; with message and characters having uniform faces, sharp corners, and precisely formed lines and profiles as indicated on the drawings.
  1. Illuminated Panel Sign: Backlighted construction with LED lighting including transformers, insulators, and other accessories for operability, with provision for servicing and concealing connections to building electrical system. Use tight or sealed joint construction to prevent unintentional light leakage. Space lamps apart from each other and away from sign surfaces as needed to illuminate evenly.
     a. Power: As indicated on electrical Drawings .
     b. Weeps: Provide weep holes to drain water at lowest part of exterior signs. Equip weeps with permanent baffles to block light leakage without inhibiting drainage.
  2. Solid-Sheet Sign and Returns, Returns, and Back: Aluminum sheet with finish specified in "Surface Finish and Applied Graphics" Subparagraph and as follows:
     a. Thickness: Manufacturer's standard for size of sign and required to resist structural loads..
  3. Laminated Polycarbonate-Sheet: Polycarbonate face sheet attached to face of aluminum frame.
     a. Polycarbonate Sheet Thickness: as required by structural loading
     b. Surface-Applied, Flat Graphics: Applied vinyl film photo image
  4. Mounting: Aluminum bracket with countersunk flathead through fasteners .
  5. Surface Finish and Applied Graphics:
     a. Photo-Image Graphics: Manufacturer's standard multicolor, image.
  6. Flatness Tolerance: Sign shall remain flat or uniformly curved under installed conditions as indicated on Drawings and within a tolerance of plus or minus 1/16 inch measured diagonally from corner to corner.

2.3 PANEL-SIGN MATERIALS
- A. Aluminum Sheet and Plate: ASTM B209, alloy and temper recommended by aluminum producer and finisher for type of use and finish indicated.
- B. Aluminum Extrusions: ASTM B221, alloy and temper recommended by aluminum producer and finisher for type of use and finish indicated.
- C. Acrylic Sheet: ASTM D4802, category as standard with manufacturer for each sign, Type UVF (UV filtering).
- D. Polycarbonate Sheet: ASTM C1349, Appendix X1, Type II (coated, mar-resistant, UV-stabilized polycarbonate), with coating on both sides.
- E. Vinyl Film: UV-resistant vinyl film of nominal thickness indicated, with pressure-sensitive, permanent adhesive on back; die cut to form characters or images as indicated on Drawings and suitable for exterior applications.
- F. Paints and Coatings for Sheet Materials: Inks, dyes, and paints that are recommended by manufacturer for optimum adherence to surface and are UV and water resistant for colors and exposure indicated.

2.4 ACCESSORIES
- A. Fasteners and Anchors: Manufacturer's standard as required for secure anchorage of signs, noncorrosive and compatible with each material joined, and complying with the following unless otherwise indicated:
  1. Use concealed fasteners and anchors unless indicated to be exposed.
  2. For exterior exposure, furnish hot-dip galvanized devices unless otherwise indicated.
  3. Exposed Metal-Fastener Components, General:
     a. Fabricated from same basic metal and finish of fastened metal unless otherwise indicated.
     b. Fastener Heads: For nonstructural connections, use flathead or oval countersunk screws and bolts with tamper-resistant slots unless otherwise indicated.
  4. Sign Mounting Fasteners:
     a. Concealed Studs: Concealed (blind), threaded studs welded or brazed to back of sign material or screwed into back of sign assembly unless otherwise indicated.
     b. Projecting Studs: Threaded studs with sleeve spacer, welded or brazed to back of sign material or screwed into back of sign assembly, unless otherwise indicated.
     c. Through Fasteners: Exposed metal fasteners matching sign finish, with type of head indicated, and installed in predrilled holes.
- B. Post-Installed Anchors: Fastener systems with bolts of same basic metal as fastened metal, if visible, unless otherwise indicated; with working capacity greater than or equal to the design load, according to an evaluation report acceptable to authorities having jurisdiction, based on ICC-ES AC01 as appropriate for the substrate.
  1. Uses: Securing signs with imposed loads to structure.
- C. Magnetic Tape: Manufacturer's standard magnetic tape with adhesive on one side.
- D. Bituminous Paint: Cold-applied asphalt emulsion complying with ASTM D1187/D1187M.

2.5 FABRICATION
- A. General: Provide manufacturer's standard sign assemblies according to requirements indicated.
  1. Preassemble signs in the shop to greatest extent possible. Disassemble signs and assemblies only as necessary for shipping and handling limitations. Clearly mark units for reassembly and installation; apply markings in locations concealed from view after final assembly.
  2. Mill joints to a tight, hairline fit. Form assemblies and joints exposed to weather to resist water penetration and retention.
  3. Comply with AWS for recommended practices in welding and brazing. Provide welds and brazes behind finished surfaces without distorting or discoloring exposed side. Clean exposed welded and brazed connections of flux, and dress exposed and contact surfaces.
  4. Conceal connections if possible; otherwise, locate connections where they are inconspicuous.
  5. Internally brace signs for stability, to meet structural performance loading without oil-canning or other surface deformation, and for securing fasteners.
  6. Provide rabbets, lugs, and tabs necessary to assemble components and to attach to existing work. Drill and tap for required fasteners. Use concealed fasteners where possible; use exposed fasteners that match sign finish.
- B. Subsurface-Applied Graphics: Apply graphics to back face of clear face-sheet material to produce precisely formed image. Image shall be free of rough edges.
- C. Shop- and Subsurface-Applied Vinyl: Align vinyl film in final position and apply to surface. Firmly press film from the middle outward to obtain good bond without blisters or fishmouths.
- D. Brackets: Fabricate brackets, fittings, and hardware for bracket-mounted signs to suit sign construction and mounting conditions indicated. Modify manufacturer's standard brackets as required.
  1. Aluminum Brackets: Factory finish brackets with baked-enamel or powder-coat finish to match sign-background color color unless otherwise indicated.

2.6 GENERAL FINISH REQUIREMENTS
- A. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.
- B. Appearance of Finished Work: Noticeable variations in same piece are not acceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

2.7 ALUMINUM FINISHES
- A. Baked-Enamel or Powder-Coat Finish: AAMA 2603 except with a minimum dry film thickness of 1.5 mils. Comply with coating manufacturer's written instructions for cleaning, conversion coating, and applying and baking finish.
- B. Baked-Enamel or Powder-Coat Finish: After cleaning and pretreating, apply manufacturer's standard two-coat, baked-on finish consisting of prime coat and thermosetting topcoat to a minimum dry film thickness of 2 mils.

PART 3 - EXECUTION

3.1 EXAMINATION
- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.
- B. Verify that sign-support surfaces are within tolerances to accommodate signs without gaps or irregularities between backs of signs and support surfaces unless otherwise indicated.
- C. Verify that anchorage devices embedded in permanent construction are correctly sized and located to accommodate signs.
- D. Verify that electrical service is correctly sized and located to accommodate signs.
- E. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION
- A. General: Install signs using mounting methods indicated and according to manufacturer's written instructions.
  1. Install signs level, plumb, true to line, and at locations and heights indicated, with sign surfaces free of distortion and other defects in appearance.
  2. Install signs so they do not protrude or obstruct according to the accessibility standard.
  3. Before installation, verify that sign surfaces are clean and free of materials or debris that would impair installation.
  4. Corrosion Protection: Coat concealed surfaces of exterior aluminum in contact with grout, concrete, masonry, wood, or dissimilar metals, with a heavy coat of bituminous paint.

3.3 ADJUSTING AND CLEANING
- A. Remove and replace damaged or deformed signs and signs that do not comply with specified requirements. Replace signs with damaged or deteriorated finishes or components that cannot be successfully repaired by finish touchup or similar minor repair procedures.
- B. Remove temporary protective coverings and strippable films as signs are installed.
- C. On completion of installation, clean exposed surfaces of signs according to manufacturer's written instructions, and touch up minor nicks and abrasions in finish. Maintain signs in a clean condition during construction and protect from damage until acceptance by Owner.

END OF SECTION 101423

| MARK | REVISIONS | DATE | BY | DES |
|---|---|---|---|---|

| | |
|---|---|
| DATE | 05/10/2023 |
| PROJECT | 21195-08 |
| DESIGNED | BLH |
| DRAWN | ACH |
| CHECKED | |

RRMM®
ARCHITECTS, PC
28 Church Ave SW
Roanoke, Virginia 24011
(540)344-1212

COMMONWEALTH OF VIRGINIA
CHRISTOPHER A. PHILLIPS
Lic. No. 015174
05/10/2023
ARCHITECT

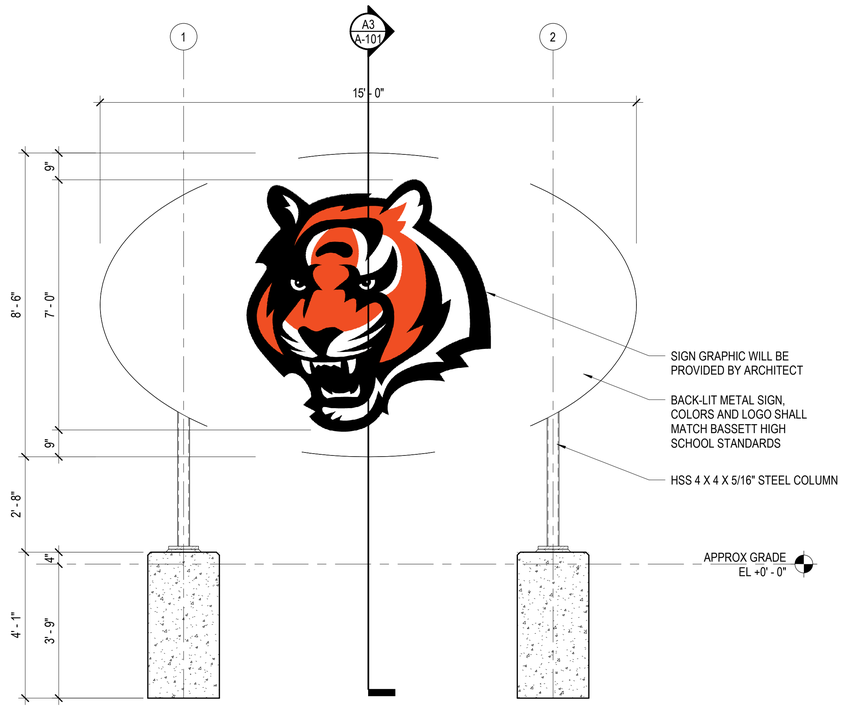
PROJECT BASSETT HIGH SCHOOL FOOTBALL SIGNAGE
HENRY COUNTY PUBLIC SCHOOLS
85 Riverside Dr
Bassett, VA 24055

DRAWING ARCHITECTURAL SPECIFICATIONS

SHEET
A-002

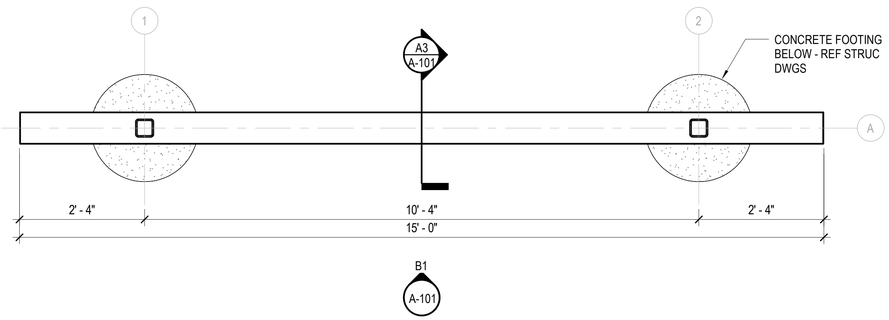


1/32" = 1'-0" 1/16" = 1'-0" 3/32" = 1'-0" 1/8" = 1'-0" 1/4" = 1'-0" 3/8" = 1'-0" 1/2" = 1'-0" 3/4" = 1'-0" 1" = 1'-0" 1 1/2" = 1'-0" 3" = 1'-0" 6" = 1'-0"



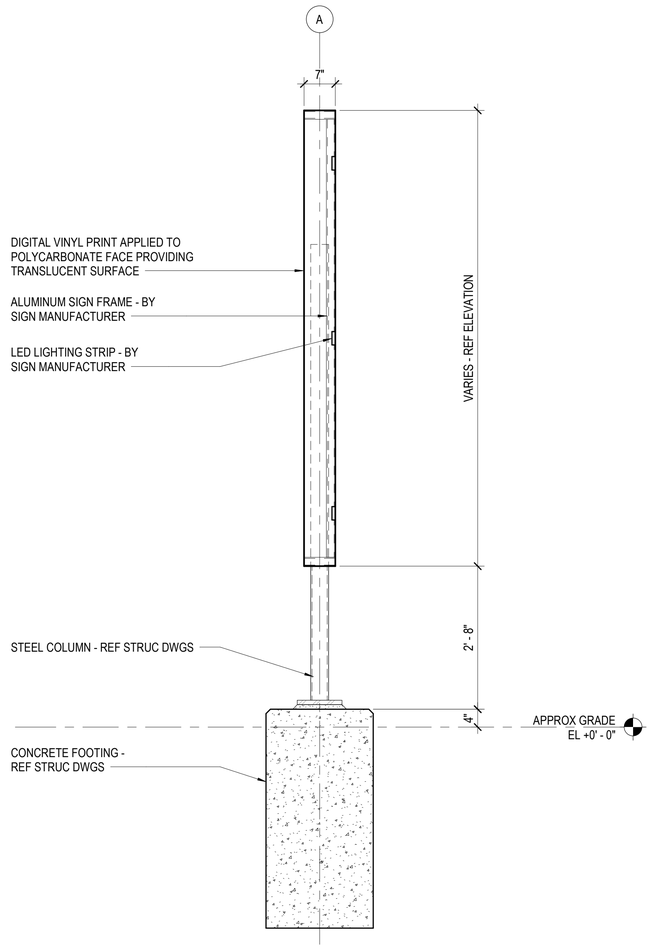

B1 A-101 SCALE: 1/2" = 1'-0"

## SIGNAGE ELEVATION




## SIGNAGE PLAN

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




A3 A-101 SCALE: 3/4" = 1'-0"

## SIGNAGE SECTION

## ELECTRICAL NEW WORK NOTES

A. PROVIDE TWO (2) 120V-1P-20 AMP CIRCUIT BREAKERS OF MATCHING FRAME AND SIZE IN CUTLER-HAMMER CH7BF PANELBOARD MOUNTED DIRECTLY BESIDE INSIDE OF DOOR OF ELECTRICAL BUILDING LOCATED BESIDE THE CONCESSION STAND.

B. PROVIDE TWO (2) WEATHER RATED MP SWITCHES, AND ONE (1) GFCI WHILE-IN-USE RECEPTACLE AT SIGN. MOUNT MP SWITCHES AND RECEPTACLE ON BACK OF STEEL COLUMN AT BASE OF SIGN. MP SWITCHES SHALL BE USED AS LOCAL MEANS OF DISCONNECT FOR SIGN AND RECEPTACLE.

C. PROVIDE ONE (1) 1" CONDUIT OUT OF TOP OF PANELBOARD TO TOP OF BLOCK AND EXTEND TO END OF BUILDING FACING HILLSIDE. TURN DOWN IN CORNER AND LB OUT THE BOTTOM OF BUILDING AND LB INTO THE GROUND ON THE EXTERIOR SURFACE OF THE WALL. TRENCH UP TO THE SIGN. PROVIDE ONE (1) CIRCUIT FOR POWER CONNECTION TO SIGN AND ONE (1) CIRCUIT FOR POWER TO GFCI WHILE-IN-USE RECEPTACLE AT SIGN. WIRING SHALL BE 2 SETS OF 2-#10 AND 1-#10 EGC IN 1" CONDUIT. CONCEAL ALL CONDUITS IN CONCRETE, BLOCK, AND STEEL TUBING/FRAMING OF SIGN.

D. GROUND ALL METAL PARTS OF SIGN WITH #10 GROUND WIRE AND TERMINATE TO 10'-0" GROUND ROD DRIVEN IN GROUND BESIDE BASE.

E. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE 2018 VIRGINIA CONSTRUCTION CODE AND 2017 NATIONAL ELECTRIC CODE.

F. THE ELECTRICAL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR.

| | DES |
|---|---|
| MARK | BY |
| DATE | |
| REVISIONS | |

| | |
|---|---|
| DATE | 05/10/2023 |
| PROJECT | 21195-08 |
| DESIGNED | RMM |
| DRAWN | BLH |
| CHECKED | ACG |

RRMM®
ARCHITECTS, PC
28 Church Ave SW
Roanoke, Virginia 24011
(540)344-1212

COMMONWEALTH OF VIRGINIA
CHRISTOPHER A. PHILLIPS
Lic. No. 015174
05/10/2023
ARCHITECT

PROJECT BASSETT HIGH SCHOOL FOOTBALL SIGNAGE
HENRY COUNTY PUBLIC SCHOOLS
85 Riverside Dr
Bassett, VA 24055

DRAWING SIGNAGE PLAN AND ELEVATION

SHEET
A-101