ADDENDUM 1

NEW PRINCE GEORGE ELEMENTARY SCHOOL

PRINCE GEORGE COUNTY PUBLIC SCHOOLS
PRINCE GEORGE, VIRGINIA

VIRGINIA DOE PROJECT NUMBER: 074-38-00-100

MOSELEYARCHITECTS

ARCHITECT/ENGINEER — RICHMOND, VIRGINIA

TIMMONS GROUP

CIVIL CONSULTANT — RICHMOND, VIRGINIA

FOOD SERVICE CONSULTANTS STUDIO

FOOD SERVICE CONSULTANT — ASHLAND, VIRGINIA

A/E's Proj. #592926
Set No.

February 3, 2021

ADDENDUM NO. 1 / February 03, 2021

GENERAL:

All planholders are requested to attach this Addendum to the inside front cover of each Project Manual. Please inform all concerned that the Documents are modified by this Addendum.

The following modifications and clarifications are hereby made a part of the Contract Documents and supersede or otherwise modify the provisions of the published *Project Manual* and *Drawings*, dated January 24, 2021.

CHANGES TO THE PROJECT MANUAL:

DELETE the previously issued Documents indicated below in their entirety and SUBSTITUTE the revised Documents in their entirety, notes as AD 01, dated 02/03/2021:

A. SECTION 001100 – INVITATION TO BID
B. SECTION 004100 – BID FORM
C. SECTION 007200 – GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION
D. SECTION 012110 – SITEWORK UNIT PRICE ALLOWANCES
E. SECTION 012300 - ALTERNATES
F. SECTION 054000 – COLD FORMED STEEL FRAMING
G. SECTION 064023 – INTERIOR ARCHITECTURAL WOODWORK
H. SECTION 096513 – RESILIENT BASE AND ACCESSORIES
I. SECTION 115100 – LIBRARY FURNISHINGS
J. SECTION 312000 – EARTHWORK

MODIFICATIONS TO THE DRAWINGS:

1. ADD new Documents indicated below in their entirety, noted as AD 01, dated 02/03/2021:
   A. DRAWING A1.2.5
   B. DRAWING A10.5
2. DELETE the previously issued Documents indicated below in their entirety and SUBSTITUTE the revised Documents in their entirety, noted as AD 01, dated 02/03/2021:
   A. COVER VOLUME 2
   B. DRAWING C4.01
   C. DRAWING C4.20
   D. DRAWING L1.00
   E. DRAWING L1.04
   F. DRAWING L2.00
   G. DRAWING R2.01

ADDENDUM NO. 1 / February 03, 2021

H. DRAWING LS1.1
I. DRAWING LS2.2
J. DRAWING LS3.5
K. DRAWING A1.2.1
L. DRAWING A1.2.4
M. DRAWING A2.1.2
N. DRAWING A2.1.5
O. DRAWING A2.3.1
P. DRAWING A2.3.2
Q. DRAWING A2.3.5
R. DRAWING A3.0.1
S. DRAWING A3.0.6
T. DRAWING A3.0.9
U. DRAWING A 3.1.1
V. DRAWING A3.1.2
W. DRAWING A3.1.3
X. DRAWING A3.2.1
Y. DRAWING A3.2.2
Z. DRAWING A3.2.3
AA. DRAWING A3.2.4
BB. DRAWING A3.2.5
CC. DRAWING A3.2.6
DD. DRAWING A4.1.2
EE. DRAWING A4.1.3
FF. DRAWING A4.2.3
GG. DRAWING A5.1.6
HH. DRAWING A6.1.1
II. DRAWING A7.1.2
JJ. DRAWING A9.2
KK. DRAWING A9.3
LL. DRAWING A9.5
MM. DRAWING S0.0.1
NN. DRAWING S1.1.1
OO. DRAWING S1.1.2
PP. DRAWING S1.1.3
QQ. DRAWING S1.1.4
RR. DRAWING S2.1.2
SS. DRAWING S2.1.3
TT. DRAWING S2.2.1
UU. DRAWING S2.2.2
VV. DRAWING S2.2.3
WW. DRAWING S2.3.1
XX. DRAWING S2.3.2

ADDENDUM NO. 1 / February 03, 2021

YY.	DRAWING S3.0.1
ZZ.	DRAWING S4.2.3
AAA.	DRAWING S4.2.4
BBB.	DRAWING S4.2.5
CCC.	DRAWING P2.0B
DDD.	DRAWING P2.1B
EEE.	DRAWING P2.2B
FFF.	DRAWING P2.3B
GGG.	DRAWING P2.4B
HHH.	DRAWING P2.5B
III.	DRAWING P2.6B
JJJ.	DRAWING M0.3
KKK.	DRAWING M2.5.1
LLL.	DRAWING E0.2
MMM.	DRAWING E0.3
NNN.	DRAWING E2.2.1
OOO.	DRAWING E2.3.1
PPP.	DRAWING E2.5.1
QQQ.	DRAWING E2.5.2
RRR.	DRAWING E2.5.3
SSS.	DRAWING E2.5.4
TTT.	DRAWING E3.1
UUU.	DRAWING E5.3
VVV.	DRAWING E5.6

REFER TO SPECIFICATION SECTIONS ATTACHED TO THE END OF THIS ADDENDUM

REFER TO DRAWINGS ATTACHED TO THE END OF THIS ADDENDUM

All other general terms, conditions and specifications shall remain the same.

Bidders must take due notice and be governed accordingly. Acknowledgement of the receipt of this addendum shall be made on your Bid Form. If your bid has already been delivered, return this addendum under a separate cover, referencing the ITB number, due date, and time on the outside of the envelope.

Failure to acknowledge this addendum may result in your bid being declared non-responsive.

ADDENDUM NO. 1 / February 03, 2021

New Prince George Elementary School Addendum #1 Pre-Bid Questions

1. Hold pricing timeline - ITB-2, indicates a 91 day hold period, AIA A701 page 7, paragraph4.1.1 indicates a hold period of 61 days, and the Bid Form notes a Notice to Proceed within 30 days. Please advise of the required hold period for the submitted bid
   Answer: The bid hold period is 61 days. See Addendum 1 (AD-01) for clarification.

2. Wanted to find out if there is an estimated cost of budget for this project?
   Answer: There is no posted budget available for this project.

3. Drawing Number: 4.01 Is there a detail drawing available for surfacing construction of: Site layout # [8] Hard surface play area, [9] fitness area, and the "Rubberized Surface" Also, is there any playground or fitness equipment going in the areas indicated above? If so, is this equipment included in the bid package or is it provided by owner? Please provide any drawing #'s relevant to this information.
   Answer: Information regarding hard surface in the exterior courtyard can be found on Drawing A1.2.5. Rubberized surface in the exterior courtyard is not part of this contract. Exterior playground and fitness equipment procurement and install are not part of this contract.

4. Specification 275123 Pg 722 Paragraph 1.2.B: Can you tell me the contact that we should send the required information? "IP6000™ Communication System shall be considered as meeting all specifications and as the basis of design. The owner shall pre-approve alternate systems. Provide all information, including catalog cuts, shop and working drawings, data sheets and a demonstration of the proposed system features. This information shall be presented to the relative parties as to allow sufficient time to review all material. This shall be accomplished at least 10 (ten) days prior to the bid date."
   Answer: Substitutions shall be made in accordance with Section 012500. They will only be accepted / considered after receipt of bids once a general contractor has been awarded the job.

5. On 233113-11 C. - natural fiber duct liner is an available option for use, however on 233113-15 3.3, B. only flexible elastomeric liner is listed. Is the use of natural fiber duct liner acceptable anywhere elastomeric liner may be listed?
   Answer: Natural fiber duct liner is acceptable as a replacement to elastomeric duct liner.

6. Drawing 3.02: The resilient tile flooring basis of design is Nora Norament Grano 39.53" x 39.53" tile. However, the pattern in the plans is based on a 24" x 24" tile. This will product extreme waste. Nora does not offer a 24" x 24" option, it only comes in the 39.53" size.
   Answer: The pattern intent is shown to provide context and location for multiple color selections. The final pattern and drawings will be updated to better represent the actual product once it has been submitted to make best use of full tiles to eliminate waste and reduce cost.

7. Spec 096513 Pg 2 Paragraph 2.2: The resilient base and accessories specification lists a raised rib rubber tread, but it does not list what the landing tile should be. 99% of the time it will match the

texture of the tread, but no one makes a raised ribbed rubber tile. I'd need to know what texture rubber tile is desired on the stair landings.

Answer: The resilient stair tread and landing pattern has been changed to raised dot.

8. Assuming that the TAB's contractor will not be performing the duct air leak test prior to TAB work, I did not see a duct air leak test schedule in the specifications or on the mechanical drawings. Can a schedule be provided for this work?
   Answer: The duct leakage requirements are listed in the metal ducts spec section 233133..

9. Plumbing (waste/vent or domestic) riser diagrams are not provided for Area A. Please provide.
   Answer: Risers are not required for every item and area on the plans; and should not be required to complete a proper bid/estimate. Risers provided for areas of congestion where some piping may be difficult to comprehend.

10. Section 221316, 3.1, D2: indicates that underground sanitary piping (other than serving the kitchen) may be PVC only with owner pre-approval. Will the owner allow the use of PVC DWV pipe and fittings for underground sanitary?
    Answer: Substitutions shall be made in accordance with Section 012500. They will only be accepted / considered after receipt of bids once a general contractor has been awarded the job.

11. On the door Schedule 3.1.1, there are coiling grilles C126K, L, M, R, S, T, V and W listed, but no sizes are given and these doors are not indicated on the floor plan for area C, A2.1.3. We would think these may be at the serving line, but per elevation on A3.09, there are only three openings shown. Please clarify the location and sizes of the coiling grilles.
    Answer: See Addendum 1 (AD-01) for clarification.

12. A2.1.3 appears to indicated Door C124D as an overhead door, but there is no C124D on the door schedule. Please advise the size of the overhead door (and if there are any other overhead doors).
    Answer: See Addendum 1 (AD-01) for clarification.

13. AIA Document A201 General Conditions of the Contract for Construction - appears to end with section/article 9. Please provide the remaining articles 10 thru 15 or advise of the intent.
    Answer: See Addendum 1 (AD-01) for clarification. Refer to document A201 for additional articles.

14. Who is the bid bond payable to? The bid form says New Kent County Public School Board, etc. The ITB says County of Prince George, VA and the bid bond form says Prince George County Public Schools
    Answer: Bid bond is payable to Prince George County Public Schools. See Addendum 1 (AD-01) for clarification.

15. What is the warranty term for the project?

Answer: See Addendum 1 (AD-01) for clarification. Refer to document A201: Article 3.5 Warranty.

16. What are the insurance requirements for this project?
    Answer: See Addendum 1 (AD-01) for clarification. Refer to document A201: Article 11 Insurance and Bonds.

17. Specification 122413 Roller Shades is not found on the drawings. Where are manual/motorized shades required? Where are solar/opaque shades required? What are the installation details for the roller shades?
    Answer: See Addendum 1 (AD-01) for clarification.

18. Specification 012200 Pg 1 Paragraph 3.1: The Unit Price spec notes two earthwork unit prices, not the six unit prices that are on the bid form. Please clarify,
    Answer: See Addendum 1 (AD-01) for clarification. Refer to Specification Section 012110 Sitework Allowances.

19. Specification 074113 Pg 4 Paragraph 8: Request approval as a Manufacturer to be added as acceptable product for bidding purposes. Manufacturer can meet performance requirements as well as design intent for project with Englert Inc. Series 2500 structural metal roofing panel.
    Answer: Substitutions shall be made in accordance with Section 012500. They will only be accepted / considered after receipt of bids once a general contractor has been awarded the job.

Invitation to Bid
NEW PRINCE GEORGE ELEMENTARY SCHOOL
Prince George County, Virginia
Virginia Project Number: 074-38-00-100

Sealed bids for the ***New Prince George Elementary School***, Prince George County, Virginia in accordance with the conditions, specifications, and instructions below and on the attached sheets hereto, will be received no later than **2:00 PM**, local prevailing time, **February 23, 2021,** and will be opened and publicly read aloud thereafter. Sealed bids should be delivered as follows:

IN PERSON OR SPECIAL COURIER
Prince George County Public Schools
6602 Courts Drive
Prince George, Virginia 23875

Project Location: New Prince George Elementary School
4700 Romans Rd.
Prince George, VA 23875

The Work consists of the construction of an approximately 98,000sf new elementary school located at the intersection of Romans Road and Middle Road in Prince George County, Virginia. The new elementary school building consists of a structural system with a combination of load-bearing CMU and steel framing. Interior partitions include CMU, drywall and limited amounts of wood veneer paneling. Flooring includes polished concrete, carpet tile, wood sports and stage flooring and rubber floor tile. Roofing systems include EPDM membrane and pre-finished, standing-seam metal roofing. Building features include kitchen with food service equipment, dining commons, a gymnasium, library, general classrooms, exploratory areas, and administration areas. Site construction includes the construction of a new bus loop with bus canopy and new parking area including all grading, erosion and sediment control, stormwater management, site utilities, driveways, paving and sidewalks, fencing, site lighting, signage and landscaping. New athletic facilities include playground areas and playfields.

Please refer to "Section 011000 – Summary" for work hours and use of site during the duration of the Work.

Bidding Documents consisting of Contract Drawings and Project Manuals may be obtained by visiting the bidding portal at Moseley Architects' website , https://www.moseleyarchitects.com/bidding/. Options are provided for downloading a complete set of documents or selected files from this web portal. The Contract Drawings and Project Manuals are provided in PDF Format, which may be shared electronically with your subcontractors, employees, and suppliers. The failure or omission of any bidder to download, receive or examine any form, instrument, addendum or other documents, or to acquaint itself with conditions existing at the site(s), shall in no way relieve any bidder from any obligations with respect to its bid or to the contract.

A pre-bid conference will be held **10:00 AM** on **February 2, 2021,** via Zoom at

https://moseleyarch.zoom.us/j/92367135743

to review the scope of work and clarify any aspects of the work that may be in question. Direct any questions concerning the Project Manual and Drawings **in writing** via email to Emily Baker with Moseley Architects (ebaker@moseleyarchitects.com). Questions may also be submitted via the project portal at: http://www.moseleyarchitects.com/bidding/.

Time is of the essence, and all bids received after the appointed hour for submission, whether by mail or otherwise, will be returned unopened. The time of receipt shall be determined by the time clock stamp in the School Administration Office, Prince George County Public Schools. Bidders are responsible for insuring that their bid is stamped by School Administration Office personnel.

Bids must be accompanied by either a cashier's check or certified check or bidder's bond (AIA 310) in the amount of **5 percent** of the total bid amount and made payable to ~~the County of~~ Prince George County Public Schools, Prince George, Virginia. **(*AD-01)**

Envelopes containing bids shall be sealed and marked in the lower left-hand corner with the bid request number, goods or services sought, hour and due date of the bid and the bidder's Virginia contractor registration number.

All bidders shall use the enclosed Bid Form in submitting their bid prices.

A bid may not be modified, withdrawn or cancelled by the bidder after the time and date designated for the receipt of bids and for ~~91~~ **61** days thereafter except as provided by Section 2.2-4330, Procedure (ii), Chapter 7 of the Code of Virginia, as amended. **(*AD-01)**

Nothing herein is intended to exclude any responsible bidder, its product or service or in any way restrain or restrict competition. Comments as to how bid documents, specifications or drawings can be improved are welcome.

If a contract is awarded, a separate performance bond and a payment bond **AIA Document A312 (2010) and as provided in the Project Manual** for 100% of the contract amount shall be provided by the successful bidder.

The Owner reserves the right to waive informalities and/or reject all bids. In accordance with Va. Code, Section 2.2-4319, the Owner shall not reject all bids solely to avoid awarding a contract to a particular responsive and responsible bidder.

The Bidder must be a registered contractor in the Commonwealth of Virginia in accordance with Title 54.1, Chapter 11 of the Code of Virginia, as amended, at the time of bid submission, and shall possess a **Virginia Contractor's License A**. The Bidder shall have bid and completed projects of comparable nature, size, complexity and construction cost. The Bidder should submit with its bid a completed AIA Document A305, Contractor's Qualifications Statement, which shall document how the applicable projects meet or exceeds the size, complexity, and nature of this project and were completed in an expedited schedule as required for this project; and includes details of the management staff and self-performed activities associated with the referenced projects. Only those projects which the Bidder performed the work as the General Contractor should be included in the AIA Document A305

END OF INVITATION TO BID

BID FORM

TO: Prince George County Public Schools
6602 Courts Drive
Prince George, Virginia 23875

FROM: _____ (Bidder's
_____ Name and
_____ Address)

FOR: New Prince George Elementary School
4700 Romans Rd.
Prince George, VA 23875

Having carefully examined the site, and all of the Bidding and Contract Documents, and in compliance with the "Invitation to Bid" and "Instructions to Bidders", the undersigned proposes to provide all labor, materials, supplies, equipment, services, and perform all Work necessary for the construction of this Project in accordance with the Bid Documents, dated January 24, 2021, prepared by Moseley Architects.

BASE BID PRICE:

The Base Bid Price includes all Work required by and in strict accordance with the Bid Documents for this Project, for the Lump Sum of:

$_____(Figures only).

LUMP SUM ALLOWANCES: (Reference Section 012100 – Allowances)

1. Allowance No. 1: Interior Signage: $45,000.00
2. Allowance No. 2: Exterior Signage: $10,000.00
3. Allowance No. 3: Fire Lane Striping and Signage: $500.00
4. Allowance No. 4: Instructional Technology Video Components: $185,000.00
5. Allowance No. 5: HVAC System Controls and Building Automation System: $450,000.00

Total Lump Sum Allowances (Items 1 thru 18) $ 690,500.00_____(Figures only)

SITEWORK UNIT PRICE ALLOWANCES: (Reference Section 012110 - Sitework Unit Price Allowances)

1. Sitework Unit Price Allowance No. 1: Additional Excavation, ~~off-site disposal and backfill~~ backfill with imported structural fill:

   Provide quantity of 5,000 c.y. at $_____ per c.y. (in-place unit price/measure) =

   $_____ (Figures only).

2. Sitework Unit Price Allowance No. 2: Additional Excavation, backfill with screenings:

   Provide quantity of 5,000 c.y. at $_____ per c.y. (in-place unit price/measure) =

   $_____ (Figures only)

3. Sitework Unit Price Allowance No. ~~2~~ 3: Additional Excavation in Trenches:

   Provide quantity of 1,000 c.y. at $_____ per c.y. (in-place unit price/measure) =

   $_____ (Figures only)

4. Sitework Unit Price Allowance No. ~~3~~ 4: Additional Excavation in Footings:

   Provide quantity of ~~750~~ 1,500 c.y. at $_____ per c.y. (in-place unit price/measure) =

   $_____ (Figures only)

5. Sitework Unit Price Allowance No. ~~4~~ 5: Chemical Augmentation with Lime:

   Provide quantity of 1,000 ton of lime at $_____ per ton (in-place unit price/measure) =

   $_____ (Figures only)

6. Sitework Unit Price Allowance No. ~~5~~ 6: Subsurface Drain and Camera Verification, in place (L.F.):

   Provide quantity of 250 l.f. of subsurface drain as detailed by VDOT Std. UD-4 at $_____ per l.f. (in-place unit price/measure) =

   $_____ (Figures only)

7. Sitework Unit Price Allowance No. ~~6~~ 7: VDOT Std. #21B Stone, in place:

   Provide quantity of 750 c.y. of VDOT Std. #21B Stone at $_____ per c.y. (in-place unit price/measure) =

   $_____ (Figures only)

8. Sitework Unit Price Allowance No. ~~7~~ 8: VDOT Std. #57 Stone, in place:

   Provide quantity of 750 c.y. of VDOT Std. #57 Stone at $_____ per c.y. (in-place unit price/measure) =

   $_____ (Figures only)

9. Sitework Unit Price Allowance No. ~~8~~ 9: Woven Geotextile Fabric:

   Provide quantity of 250 s.y. at $_____ per s.y. (in-place unit price/measure) =

   $_____ (Figures only)

Total Sitework Unit Price Allowances (Items 1 thru ~~8~~ 9) $_____(Figures only) **(*AD-01)**

UNIT PRICE ALLOWANCES: (Reference Section 012200 Unit Price Allowances)

1. Unit Price Allowance No. 1 : Additional smoke detectors installed and connected to the fire alarm system:

   Smoke detectors at $_____ per unit x 5 units = $_____(Figures only)

2, Unit Price Allowance No. 2 : Additional duct smoke detectors installed and connected to the fire alarm system:

   Duct smoke detectors at $_____ per unit x 5 units = $_____(Figures only)

3. Unit Price Allowance No. 3 : Additional fire alarm horn/strobes installed and connected to the fire alarm system:

   Horn/Strobes at $_____ per unit x 5 units = $_____(Figures only)

4. Unit Price Allowance No. 4 : Additional fire alarm pull stations installed and connected to the fire alarm system:

   Pull stations/Strobes at $_____ per unit x 5 units = $_____(Figures only)

5. Unit Price Allowance No. 5 : Additional double face exit signs installed and connected to the fire alarm system:

   Double face exit signs at $_____ per unit x 5 units = $_____(Figures only)

6. Unit Price Allowance No. 6 : Additional single face exit signs installed and connected to the fire alarm system:

   Single face exit signs at $_____ per unit x 5 units = $_____(Figures only)

Total Unit Price Allowances (Items 1 through 6) $_____(Figures only)

TOTAL LUMP SUM BID PRICE
(inclusive of Base Bid Price + all Lump Sum Allowances + all Sitework Unit Price allowances + all Unit Price Allowances) =

$_____ Figures only.

ALTERNATE BID PRICE: (Reference Section 012300 – Alternates)

1. Alternate #1 Bid Price – Additive Alternate – Rooftop/Outdoor Classroom. In lieu of the roof system and configuration indicated on Drawing A10.1, provide the roof system, paver system, railings and all work indicated on Drawing A10.5 Roof Plan - Bid Alternate. Provide all work associated with this system in lieu of the Base Bid EPDM system, in strict accordance with the Bid Documents. (*AD-01)

   ADD: $_____ (Figures only)

2. Alternate #2 Bid Price – Deductive Alternate – Terrazzo Tile. In lieu of the Resinous Matrix Terrazzo flooring indicated on the Drawings, provide Terrazzo Tile in these locations per Specification Section 096616. This alternate shall not include the locations where the Resinous Matric Terrazzo logos are indicated. Provide all work associated with this system in lieu of the Base Bid Resinous Matrix Terrazzo flooring, in strict accordance with the Bid Documents.

   DEDUCT: $_____ (Figures only)

3. Alternate #2 Bid Price – Deductive Alternate – Polished Concrete. In lieu of the Resinous Matrix Terrazzo flooring indicated on the Drawings, provide Polished Concrete in these locations per Specification Section 033543. This alternate shall not include the locations where the Resinous Matric Terrazzo logos are indicated. Provide all work associated with this system in lieu of the Base Bid Resinous Matrix Terrazzo flooring, in strict accordance with the Bid Documents.

   DEDUCT: $_____ (Figures only)

It is the Owner's intent to recommend the award of this Contract by the Prince George County School Board (Owner) to the lowest *responsive and responsible* bidder based upon the Total Bid amount and any bid alternates as the School Board, in its discretion, decides to award, provided the bid does not exceed the funds available. If approved by the Owner, a Notice of Award of the Contract for this project will be given by the Owner to the Contractor.

The undersigned agrees that when payment to the Contractor for additional work authorized is computed on the basis of actual cost of labor and materials, the percentage to be added thereto for the Contractor's overhead and profit shall be no greater than the limits specified.

RECEIPT OF ADDENDA

We acknowledge the receipt of the following Addenda:

Addendum No. _____, dated _____

Addendum No. _____, dated _____

Addendum No. _____, dated _____

Addendum No. _____, dated _____

TIME OF COMPLETION

Based upon a Notice to Proceed within thirty (30) calendar days from the opening of the bid, the undersigned agrees that the Work included in this Contract shall be Substantially Complete no later than July 1, 2022 and finally complete no later than sixty (60) calendar days thereafter. Liquidated Damages in the amount of One Thousand Dollars ($1,000.00) per calendar day for failure to meet Substantial Completion date of the Work will be sought.

In addition, the undersigned agrees that for each consecutive calendar day that the work remains incomplete after the date established for Final completion, the Owner will retain from compensation otherwise to be paid to the Contractor the sum of One Thousand Dollars ($1,000.00) per day. This amount is in addition to the liquidated damages prescribed above.

BID SECURITY

Attached hereto is my bid security for five percent (5%) of the Total Bid, made payable to ~~the~~ ~~New Kent~~ Prince George County Public Schools ~~Board~~, ~~New Kent~~ Prince George County, Virginia.

REGISTRATION

The Undersigned is a licensed Class A Contractor in accordance with Chapter 11, Title 54.1, Code of Virginia, as amended, Certificate No. _____, dated ____/____/____.

Under Section 2.2-4354, Code of Virginia, as amended, an individual Contractor is required to furnish his social security number and a proprietorship, partnership and corporation is required to furnish its employer identification numbers to the Prince George County Public Schools, Prince George County, Virginia. Please indicate this information on this Bid Form as follows:

Social Security Number: _____

Federal Employer Identification Number: _____

By bidding in response to this invitation, the Bidder represents that in preparation and submission of this Bid, the said Bidder did not, either directly or indirectly, enter into any combination or arrangement with any person, firm or corporation or enter into any agreement, participate in any collusion, or otherwise take any action in restraint of free, competitive bidding in violation of Sherman Act (15 U.S.C. Section 1) or Sections 59.1-9.1 through 59.1-9.17 or Sections 59.1-68.6 through 59.1-68.8 of the Code of Virginia.

Legal Name of Bidder (Company) _____

Bidder's (Company) Address _____

_____

_____

Corporate

Seal

Signature: _____
(Signature of person or persons legally authorized to bind bidder (Company) to this Contract)

By: _____
(Typed or printed Name[s] of Person[s] Signing)

Title: _____
(Typed or printed Title[s] of Person[s] Signing)

Telephone Number: _____
(Area Code)

Fax Number: _____
(Area Code)

E-Mail: _____

Indicate on the following blank line whether the bidder is a sole proprietor, a partnership, a corporation or some other legal entity:

_____

A bid by a corporation shall further give the State of incorporation _____ and have the corporate seal affixed in the space provided above.

END OF BID FORM

AIA® Document A201® – 2017

General Conditions of the Contract for Construction

for the following PROJECT:
(Name and location or address)

The New Prince George Elementary School
Prince George County, Virginia

THE OWNER:
(Name, legal status and address)

Prince George County Public Schools
6410 Courts Drive
Prince George, Virginia 23875
Telephone Number: 804-733-2700

THE ARCHITECT:
(Name, legal status and address)

Moseley Architects P.C.
3200 Norfolk Street
Richmond, Virginia 23230
Telephone Number: 804-794-7555

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

For guidance in modifying this document to include supplementary conditions, see AIA Document A503™, Guide for Supplementary Conditions.

TABLE OF ARTICLES

1 GENERAL PROVISIONS

2 OWNER

3 CONTRACTOR

4 ARCHITECT

5 SUBCONTRACTORS

6 CONSTRUCTION BY OWNER OR BY SEPARATE CONTRACTORS

7 CHANGES IN THE WORK

8 TIME

9 PAYMENTS AND COMPLETION

10 PROTECTION OF PERSONS AND PROPERTY

11 INSURANCE AND BONDS

12 UNCOVERING AND CORRECTION OF WORK

Init.
/

AIA Document A201® – 2017. Copyright © 1911, 1915, 1918, 1925, 1937, 1951, 1958, 1961, 1963, 1966, 1970, 1976, 1987, 1997, 2007 and 2017 by The American Institute of Architects. All rights reserved. The "American Institute of Architects," "AIA," the AIA Logo, "A201," and "AIA Contract Documents" are registered trademarks and may not be used without permission. This document was produced by AIA software at 11:04:23 ET on 02/03/2021 under Order No.8350518117 which expires on 01/10/2022, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail copyright@aia.org.
User Notes:

13 MISCELLANEOUS PROVISIONS

14 TERMINATION OR SUSPENSION OF THE CONTRACT

15 CLAIMS AND DISPUTES

AIA Document A201® – 2017. Copyright © 1911, 1915, 1918, 1925, 1937, 1951, 1958, 1961, 1963, 1966, 1970, 1976, 1987, 1997, 2007 and 2017 by The American Institute of Architects. All rights reserved. The "American Institute of Architects," "AIA," the AIA Logo, "A201," and "AIA Contract Documents" are registered trademarks and may not be used without permission. This document was produced by AIA software at 11:04:23 ET on 02/03/2021 under Order No.8350518117 which expires on 01/10/2022, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail copyright@aia.org.
User Notes: (3B9ADA32)

INDEX
(Topics and numbers in bold are Section headings.)

Acceptance of Nonconforming Work
9.6.6, 9.9.3, **12.3**
Acceptance of Work
9.6.6, 9.8.2, 9.9.3, 9.10.1, 9.10.3, 12.3
Access to Work
3.16, 6.2.1, 12.1
Accident Prevention
10
Acts and Omissions
3.2, 3.3.2, 3.12.8, 3.18, 4.2.3, 8.3.1, 9.5.1, 10.2.5, 10.2.8, 13.3.2, 14.1, 15.1.2, 15.2
Addenda
1.1.1
Additional Costs, Claims for
3.7.4, 3.7.5, 10.3.2, 15.1.5
Additional Inspections and Testing
9.4.2, 9.8.3, 12.2.1, **13.4**
Additional Time, Claims for
3.2.4, 3.7.4, 3.7.5, 3.10.2, 8.3.2, **15.1.6**
Administration of the Contract
3.1.3, **4.2**, 9.4, 9.5
Advertisement or Invitation to Bid
1.1.1
Aesthetic Effect
4.2.13
Allowances
3.8
Applications for Payment
4.2.5, 7.3.9, 9.2, **9.3**, 9.4, 9.5.1, 9.5.4, 9.6.3, 9.7, 9.10
Approvals
2.1.1, 2.3.1, 2.5, 3.1.3, 3.10.2, 3.12.8, 3.12.9, 3.12.10.1, 4.2.7, 9.3.2, 13.4.1
Arbitration
8.3.1, 15.3.2, **15.4**
ARCHITECT
4
Architect, Definition of
4.1.1
Architect, Extent of Authority
2.5, 3.12.7, 4.1.2, 4.2, 5.2, 6.3, 7.1.2, 7.3.4, 7.4, 9.2, 9.3.1, 9.4, 9.5, 9.6.3, 9.8, 9.10.1, 9.10.3, 12.1, 12.2.1, 13.4.1, 13.4.2, 14.2.2, 14.2.4, 15.1.4, 15.2.1
Architect, Limitations of Authority and Responsibility
2.1.1, 3.12.4, 3.12.8, 3.12.10, 4.1.2, 4.2.1, 4.2.2, 4.2.3, 4.2.6, 4.2.7, 4.2.10, 4.2.12, 4.2.13, 5.2.1, 7.4, 9.4.2, 9.5.4, 9.6.4, 15.1.4, 15.2
Architect's Additional Services and Expenses
2.5, 12.2.1, 13.4.2, 13.4.3, 14.2.4
Architect's Administration of the Contract
3.1.3, 3.7.4, 15.2, 9.4.1, 9.5
Architect's Approvals
2.5, 3.1.3, 3.5, 3.10.2, 4.2.7
Architect's Authority to Reject Work
3.5, 4.2.6, 12.1.2, 12.2.1
Architect's Copyright
1.1.7, 1.5
Architect's Decisions
3.7.4, 4.2.6, 4.2.7, 4.2.11, 4.2.12, 4.2.13, 4.2.14, 6.3, 7.3.4, 7.3.9, 8.1.3, 8.3.1, 9.2, 9.4.1, 9.5, 9.8.4, 9.9.1, 13.4.2, 15.2
Architect's Inspections
3.7.4, 4.2.2, 4.2.9, 9.4.2, 9.8.3, 9.9.2, 9.10.1, 13.4
Architect's Instructions
3.2.4, 3.3.1, 4.2.6, 4.2.7, 13.4.2
Architect's Interpretations
4.2.11, 4.2.12
Architect's Project Representative
4.2.10
Architect's Relationship with Contractor
1.1.2, 1.5, 2.3.3, 3.1.3, 3.2.2, 3.2.3, 3.2.4, 3.3.1, 3.4.2, 3.5, 3.7.4, 3.7.5, 3.9.2, 3.9.3, 3.10, 3.11, 3.12, 3.16, 3.18, 4.1.2, 4.2, 5.2, 6.2.2, 7, 8.3.1, 9.2, 9.3, 9.4, 9.5, 9.7, 9.8, 9.9, 10.2.6, 10.3, 11.3, 12, 13.3.2, 13.4, 15.2
Architect's Relationship with Subcontractors
1.1.2, 4.2.3, 4.2.4, 4.2.6, 9.6.3, 9.6.4, 11.3
Architect's Representations
9.4.2, 9.5.1, 9.10.1
Architect's Site Visits
3.7.4, 4.2.2, 4.2.9, 9.4.2, 9.5.1, 9.9.2, 9.10.1, 13.4
Asbestos
10.3.1
Attorneys' Fees
3.18.1, 9.6.8, 9.10.2, 10.3.3
Award of Separate Contracts
6.1.1, 6.1.2
Award of Subcontracts and Other Contracts for Portions of the Work
5.2
Basic Definitions
1.1
Bidding Requirements
1.1.1
Binding Dispute Resolution
8.3.1, 9.7, 11.5, 13.1, 15.1.2, 15.1.3, 15.2.1, 15.2.5, 15.2.6.1, 15.3.1, 15.3.2, 15.3.3, 15.4.1
Bonds, Lien
7.3.4.4, 9.6.8, 9.10.2, 9.10.3
Bonds, Performance, and Payment
7.3.4.4, 9.6.7, 9.10.3, **11.1.2**, 11.1.3, **11.5**
Building Information Models Use and Reliance
1.8
Building Permit
3.7.1
Capitalization
1.3
Certificate of Substantial Completion
9.8.3, 9.8.4, 9.8.5
Certificates for Payment

AIA Document A201® – 2017. Copyright © 1911, 1915, 1918, 1925, 1937, 1951, 1958, 1961, 1963, 1966, 1970, 1976, 1987, 1997, 2007 and 2017 by The American Institute of Architects. All rights reserved. The "American Institute of Architects," "AIA," the AIA Logo, "A201," and "AIA Contract Documents" are registered trademarks and may not be used without permission. This document was produced by AIA software at 11:04:23 ET on 02/03/2021 under Order No.8350518117 which expires on 01/10/2022, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail copyright@aia.org.
User Notes:
(3B9ADA32)

4.2.1, 4.2.5, 4.2.9, 9.3.3, **9.4**, 9.5, 9.6.1, 9.6.6, 9.7, 9.10.1, 9.10.3, 14.1.1.3, 14.2.4, 15.1.4
Certificates of Inspection, Testing or Approval
13.4.4
Certificates of Insurance
9.10.2
Change Orders
1.1.1, 3.4.2, 3.7.4, 3.8.2.3, 3.11, 3.12.8, 4.2.8, 5.2.3, 7.1.2, 7.1.3, **7.2**, 7.3.2, 7.3.7, 7.3.9, 7.3.10, 8.3.1, 9.3.1.1, 9.10.3, 10.3.2, 11.2, 11.5, 12.1.2
Change Orders, Definition of
7.2.1
CHANGES IN THE WORK
2.2.2, 3.11, 4.2.8, **7**, 7.2.1, 7.3.1, 7.4, 8.3.1, 9.3.1.1, 11.5
Claims, Definition of
15.1.1
Claims, Notice of
1.6.2, 15.1.3
CLAIMS AND DISPUTES
3.2.4, 6.1.1, 6.3, 7.3.9, 9.3.3, 9.10.4, 10.3.3, **15**, 15.4
Claims and Timely Assertion of Claims
15.4.1
Claims for Additional Cost
3.2.4, 3.3.1, 3.7.4, 7.3.9, 9.5.2, 10.2.5, 10.3.2, **15.1.5**
Claims for Additional Time
3.2.4, 3.3.1, 3.7.4, 6.1.1, 8.3.2, 9.5.2, 10.3.2, **15.1.6**
Concealed or Unknown Conditions, Claims for
3.7.4
Claims for Damages
3.2.4, 3.18, 8.3.3, 9.5.1, 9.6.7, 10.2.5, 10.3.3, 11.3, 11.3.2, 14.2.4, 15.1.7
Claims Subject to Arbitration
15.4.1
Cleaning Up
3.15, 6.3
Commencement of the Work, Conditions Relating to
2.2.1, 3.2.2, 3.4.1, 3.7.1, 3.10.1, 3.12.6, 5.2.1, 5.2.3, 6.2.2, 8.1.2, 8.2.2, 8.3.1, 11.1, 11.2, **15.1.5**
Commencement of the Work, Definition of
8.1.2
Communications
3.9.1, **4.2.4**
Completion, Conditions Relating to
3.4.1, 3.11, 3.15, 4.2.2, 4.2.9, 8.2, 9.4.2, 9.8, 9.9.1, 9.10, 12.2, 14.1.2, 15.1.2
COMPLETION, PAYMENTS AND
9
Completion, Substantial
3.10.1, 4.2.9, 8.1.1, 8.1.3, 8.2.3, 9.4.2, 9.8, 9.9.1, 9.10.3, 12.2, 15.1.2
Compliance with Laws
2.3.2, 3.2.3, 3.6, 3.7, 3.12.10, 3.13, 9.6.4, 10.2.2, 13.1, 13.3, 13.4.1, 13.4.2, 13.5, 14.1.1, 14.2.1.3, 15.2.8, 15.4.2, 15.4.3
Concealed or Unknown Conditions
3.7.4, 4.2.8, 8.3.1, 10.3
Conditions of the Contract
1.1.1, 6.1.1, 6.1.4
Consent, Written
3.4.2, 3.14.2, 4.1.2, 9.8.5, 9.9.1, 9.10.2, 9.10.3, 13.2, 15.4.4.2
Consolidation or Joinder
15.4.4
CONSTRUCTION BY OWNER OR BY SEPARATE CONTRACTORS
1.1.4, **6**
Construction Change Directive, Definition of
7.3.1
Construction Change Directives
1.1.1, 3.4.2, 3.11, 3.12.8, 4.2.8, 7.1.1, 7.1.2, 7.1.3, **7.3**, 9.3.1.1
Construction Schedules, Contractor's
3.10, 3.11, 3.12.1, 3.12.2, 6.1.3, 15.1.6.2
Contingent Assignment of Subcontracts
5.4, 14.2.2.2
Continuing Contract Performance
15.1.4
Contract, Definition of
1.1.2
CONTRACT, TERMINATION OR SUSPENSION OF THE
5.4.1.1, 5.4.2, 11.5, **14**
Contract Administration
3.1.3, 4, 9.4, 9.5
Contract Award and Execution, Conditions Relating to
3.7.1, 3.10, 5.2, 6.1
Contract Documents, Copies Furnished and Use of
1.5.2, 2.3.6, 5.3
Contract Documents, Definition of
1.1.1
Contract Sum
2.2.2, 2.2.4, 3.7.4, 3.7.5, 3.8, 3.10.2, 5.2.3, 7.3, 7.4, **9.1**, 9.2, 9.4.2, 9.5.1.4, 9.6.7, 9.7, 10.3.2, 11.5, 12.1.2, 12.3, 14.2.4, 14.3.2, 15.1.4.2, **15.1.5, 15.2.5**
Contract Sum, Definition of
9.1
Contract Time
1.1.4, 2.2.1, 2.2.2, 3.7.4, 3.7.5, 3.10.2, 5.2.3, 6.1.5, 7.2.1.3, 7.3.1, 7.3.5, 7.3.6, 7, 7, 7.3.10, 7.4, 8.1.1, 8.2.1, 8.2.3, 8.3.1, 9.5.1, 9.7, 10.3.2, 12.1.1, 12.1.2, 14.3.2, 15.1.4.2, 15.1.6.1, 15.2.5
Contract Time, Definition of
8.1.1
CONTRACTOR
3
Contractor, Definition of
3.1, 6.1.2
Contractor's Construction and Submittal Schedules
3.10, 3.12.1, 3.12.2, 4.2.3, 6.1.3, 15.1.6.2
Contractor's Employees

AIA Document A201® – 2017. Copyright © 1911, 1915, 1918, 1925, 1937, 1951, 1958, 1961, 1963, 1966, 1970, 1976, 1987, 1997, 2007 and 2017 by The American Institute of Architects. All rights reserved. The "American Institute of Architects," "AIA," the AIA Logo, "A201," and "AIA Contract Documents" are registered trademarks and may not be used without permission. This document was produced by AIA software at 11:04:23 ET on 02/03/2021 under Order No.8350518117 which expires on 01/10/2022, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail copyright@aia.org.
User Notes: (3B9ADA32)

2.2.4, 3.3.2, 3.4.3, 3.8.1, 3.9, 3.18.2, 4.2.3, 4.2.6, 10.2, 10.3, 11.3, 14.1, 14.2.1.1
Contractor's Liability Insurance
11.1
Contractor's Relationship with Separate Contractors and Owner's Forces
3.12.5, 3.14.2, 4.2.4, 6, 11.3, 12.2.4
Contractor's Relationship with Subcontractors
1.2.2, 2.2.4, 3.3.2, 3.18.1, 3.18.2, 4.2.4, 5, 9.6.2, 9.6.7, 9.10.2, 11.2, 11.3, 11.4
Contractor's Relationship with the Architect
1.1.2, 1.5, 2.3.3, 3.1.3, 3.2.2, 3.2.3, 3.2.4, 3.3.1, 3.4.2, 3.5.1, 3.7.4, 3.10, 3.11, 3.12, 3.16, 3.18, 4.2, 5.2, 6.2.2, 7, 8.3.1, 9.2, 9.3, 9.4, 9.5, 9.7, 9.8, 9.9, 10.2.6, 10.3, 11.3, 12, 13.4, 15.1.3, 15.2.1
Contractor's Representations
3.2.1, 3.2.2, 3.5, 3.12.6, 6.2.2, 8.2.1, 9.3.3, 9.8.2
Contractor's Responsibility for Those Performing the Work
3.3.2, 3.18, 5.3, 6.1.3, 6.2, 9.5.1, 10.2.8
Contractor's Review of Contract Documents
3.2
Contractor's Right to Stop the Work
2.2.2, 9.7
Contractor's Right to Terminate the Contract
14.1
Contractor's Submittals
3.10, 3.11, 3.12, 4.2.7, 5.2.1, 5.2.3, 9.2, 9.3, 9.8.2, 9.8.3, 9.9.1, 9.10.2, 9.10.3
Contractor's Superintendent
3.9, 10.2.6
Contractor's Supervision and Construction Procedures
1.2.2, 3.3, 3.4, 3.12.10, 4.2.2, 4.2.7, 6.1.3, 6.2.4, 7.1.3, 7.3.4, 7.3.6, 8.2, 10, 12, 14, 15.1.4
Coordination and Correlation
1.2, 3.2.1, 3.3.1, 3.10, 3.12.6, 6.1.3, 6.2.1
Copies Furnished of Drawings and Specifications
1.5, 2.3.6, 3.11
Copyrights
1.5, **3.17**
Correction of Work
2.5, 3.7.3, 9.4.2, 9.8.2, 9.8.3, 9.9.1, 12.1.2, **12.2**, 12.3, 15.1.3.1, 15.1.3.2, 15.2.1
Correlation and Intent of the Contract Documents
1.2
Cost, Definition of
7.3.4
Costs
2.5, 3.2.4, 3.7.3, 3.8.2, 3.15.2, 5.4.2, 6.1.1, 6.2.3, 7.3.3.3, 7.3.4, 7.3.8, 7.3.9, 9.10.2, 10.3.2, 10.3.6, 11.2, 12.1.2, 12.2.1, 12.2.4, 13.4, 14
Cutting and Patching
3.14, 6.2.5
Damage to Construction of Owner or Separate Contractors
3.14.2, 6.2.4, 10.2.1.2, 10.2.5, 10.4, 12.2.4
Damage to the Work
3.14.2, 9.9.1, 10.2.1.2, 10.2.5, 10.4, 12.2.4
Damages, Claims for
3.2.4, 3.18, 6.1.1, 8.3.3, 9.5.1, 9.6.7, 10.3.3, 11.3.2, 11.3, 14.2.4, 15.1.7
Damages for Delay
6.2.3, 8.3.3, 9.5.1.6, 9.7, 10.3.2, 14.3.2
Date of Commencement of the Work, Definition of
8.1.2
Date of Substantial Completion, Definition of
8.1.3
Day, Definition of
8.1.4
Decisions of the Architect
3.7.4, 4.2.6, 4.2.7, 4.2.11, 4.2.12, 4.2.13, 6.3, 7.3.4, 7.3.9, 8.1.3, 8.3.1, 9.2, 9.4, 9.5.1, 9.8.4, 9.9.1, 13.4.2, 14.2.2, 14.2.4, 15.1, 15.2
Decisions to Withhold Certification
9.4.1, **9.5**, 9.7, 14.1.1.3
Defective or Nonconforming Work, Acceptance, Rejection and Correction of
2.5, 3.5, 4.2.6, 6.2.3, 9.5.1, 9.5.3, 9.6.6, 9.8.2, 9.9.3, 9.10.4, 12.2.1
Definitions
1.1, 2.1.1, 3.1.1, 3.5, 3.12.1, 3.12.2, 3.12.3, 4.1.1, 5.1, 6.1.2, 7.2.1, 7.3.1, 8.1, 9.1, 9.8.1, 15.1.1
Delays and Extensions of Time
3.2, **3.7.4**, 5.2.3, 7.2.1, 7.3.1, **7.4**, **8.3**, 9.5.1, **9.7**, 10.3.2, **10.4**, 14.3.2, **15.1.6**, 15.2.5
Digital Data Use and Transmission
1.7
Disputes
6.3, 7.3.9, 15.1, 15.2
Documents and Samples at the Site
3.11
Drawings, Definition of
1.1.5
Drawings and Specifications, Use and Ownership of
3.11
Effective Date of Insurance
8.2.2
Emergencies
10.4, 14.1.1.2, **15.1.5**
Employees, Contractor's
3.3.2, 3.4.3, 3.8.1, 3.9, 3.18.2, 4.2.3, 4.2.6, 10.2, 10.3.3, 11.3, 14.1, 14.2.1.1
Equipment, Labor, or Materials
1.1.3, 1.1.6, 3.4, 3.5, 3.8.2, 3.8.3, 3.12, 3.13, 3.15.1, 4.2.6, 4.2.7, 5.2.1, 6.2.1, 7.3.4, 9.3.2, 9.3.3, 9.5.1.3, 9.10.2, 10.2.1, 10.2.4, 14.2.1.1, 14.2.1.2
Execution and Progress of the Work
1.1.3, 1.2.1, 1.2.2, 2.3.4, 2.3.6, 3.1, 3.3.1, 3.4.1, 3.7.1, 3.10.1, 3.12, 3.14, 4.2, 6.2.2, 7.1.3, 7.3.6, 8.2, 9.5.1, 9.9.1, 10.2, 10.3, 12.1, 12.2, 14.2, 14.3.1, 15.1.4
Extensions of Time
3.2.4, 3.7.4, 5.2.3, 7.2.1, 7.3, 7.4, 9.5.1, 9.7, 10.3.2, 10.4, 14.3, 15.1.6, **15.2.5**

AIA Document A201® – 2017. Copyright © 1911, 1915, 1918, 1925, 1937, 1951, 1958, 1961, 1963, 1966, 1970, 1976, 1987, 1997, 2007 and 2017 by The American Institute of Architects. All rights reserved. The "American Institute of Architects," "AIA," the AIA Logo, "A201," and "AIA Contract Documents" are registered trademarks and may not be used without permission. This document was produced by AIA software at 11:04:23 ET on 02/03/2021 under Order No.8350518117 which expires on 01/10/2022, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail copyright@aia.org.
User Notes: (3B9ADA32)

Failure of Payment
9.5.1.3, **9.7**, 9.10.2, 13.5, 14.1.1.3, 14.2.1.2
Faulty Work
(See Defective or Nonconforming Work)
Final Completion and Final Payment
4.2.1, 4.2.9, 9.8.2, **9.10**, 12.3, 14.2.4, 14.4.3
Financial Arrangements, Owner's
2.2.1, 13.2.2, 14.1.1.4
GENERAL PROVISIONS
1
Governing Law
13.1
Guarantees (See Warranty)
Hazardous Materials and Substances
10.2.4, **10.3**
Identification of Subcontractors and Suppliers
5.2.1
Indemnification
3.17, **3.18**, 9.6.8, 9.10.2, 10.3.3, 11.3
Information and Services Required of the Owner
2.1.2, **2.2**, 2.3, 3.2.2, 3.12.10.1, 6.1.3, 6.1.4, 6.2.5, 9.6.1, 9.9.2, 9.10.3, 10.3.3, 11.2, 13.4.1, 13.4.2, 14.1.1.4, 14.1.4, 15.1.4
Initial Decision
15.2
Initial Decision Maker, Definition of
1.1.8
Initial Decision Maker, Decisions
14.2.4, 15.1.4.2, 15.2.1, 15.2.2, 15.2.3, 15.2.4, 15.2.5
Initial Decision Maker, Extent of Authority
14.2.4, 15.1.4.2, 15.2.1, 15.2.2, 15.2.3, 15.2.4, 15.2.5
Injury or Damage to Person or Property
10.2.8, 10.4
Inspections
3.1.3, 3.3.3, 3.7.1, 4.2.2, 4.2.6, 4.2.9, 9.4.2, 9.8.3, 9.9.2, 9.10.1, 12.2.1, 13.4
Instructions to Bidders
1.1.1
Instructions to the Contractor
3.2.4, 3.3.1, 3.8.1, 5.2.1, 7, 8.2.2, 12, 13.4.2
Instruments of Service, Definition of
1.1.7
Insurance
6.1.1, 7.3.4, 8.2.2, 9.3.2, 9.8.4, 9.9.1, 9.10.2, 10.2.5,
11
Insurance, Notice of Cancellation or Expiration
11.1.4, 11.2.3
Insurance, Contractor's Liability
11.1
Insurance, Effective Date of
8.2.2, 14.4.2
Insurance, Owner's Liability
11.2
Insurance, Property
10.2.5, 11.2, 11.4, 11.5
Insurance, Stored Materials
9.3.2
INSURANCE AND BONDS
11
Insurance Companies, Consent to Partial Occupancy
9.9.1
Insured loss, Adjustment and Settlement of
11.5
Intent of the Contract Documents
1.2.1, 4.2.7, 4.2.12, 4.2.13
Interest
13.5
Interpretation
1.1.8, 1.2.3, **1.4**, 4.1.1, 5.1, 6.1.2, 15.1.1
Interpretations, Written
4.2.11, 4.2.12
Judgment on Final Award
15.4.2
Labor and Materials, Equipment
1.1.3, 1.1.6, **3.4**, 3.5, 3.8.2, 3.8.3, 3.12, 3.13, 3.15.1, 5.2.1, 6.2.1, 7.3.4, 9.3.2, 9.3.3, 9.5.1.3, 9.10.2, 10.2.1, 10.2.4, 14.2.1.1, 14.2.1.2
Labor Disputes
8.3.1
Laws and Regulations
1.5, 2.3.2, 3.2.3, 3.2.4, 3.6, 3.7, 3.12.10, 3.13, 9.6.4, 9.9.1, 10.2.2, 13.1, 13.3.1, 13.4.2, 13.5, 14, 15.2.8, 15.4
Liens
2.1.2, 9.3.1, 9.3.3, 9.6.8, 9.10.2, 9.10.4, 15.2.8
Limitations, Statutes of
12.2.5, 15.1.2, 15.4.1.1
Limitations of Liability
3.2.2, 3.5, 3.12.10, 3.12.10.1, 3.17, 3.18.1, 4.2.6, 4.2.7, 6.2.2, 9.4.2, 9.6.4, 9.6.7, 9.6.8, 10.2.5, 10.3.3, 11.3, 12.2.5, 13.3.1
Limitations of Time
2.1.2, 2.2, 2.5, 3.2.2, 3.10, 3.11, 3.12.5, 3.15.1, 4.2.7, 5.2, 5.3, 5.4.1, 6.2.4, 7.3, 7.4, 8.2, 9.2, 9.3.1, 9.3.3, 9.4.1, 9.5, 9.6, 9.7, 9.8, 9.9, 9.10, 12.2, 13.4, 14, 15, 15.1.2, 15.1.3, 15.1.5
Materials, Hazardous
10.2.4, **10.3**
Materials, Labor, Equipment and
1.1.3, 1.1.6, 3.4.1, 3.5, 3.8.2, 3.8.3, 3.12, 3.13, 3.15.1, 5.2.1, 6.2.1, 7.3.4, 9.3.2, 9.3.3, 9.5.1.3, 9.10.2, 10.2.1.2, 10.2.4, 14.2.1.1, 14.2.1.2
Means, Methods, Techniques, Sequences and Procedures of Construction
3.3.1, 3.12.10, 4.2.2, 4.2.7, 9.4.2
Mechanic's Lien
2.1.2, 9.3.1, 9.3.3, 9.6.8, 9.10.2, 9.10.4, 15.2.8
Mediation
8.3.1, 15.1.3.2, 15.2.1, 15.2.5, 15.2.6, **15.3**, 15.4.1, 15.4.1.1
Minor Changes in the Work
1.1.1, 3.4.2, 3.12.8, 4.2.8, 7.1, **7.4**
MISCELLANEOUS PROVISIONS
13

AIA Document A201® – 2017. Copyright © 1911, 1915, 1918, 1925, 1937, 1951, 1958, 1961, 1963, 1966, 1970, 1976, 1987, 1997, 2007 and 2017 by The American Institute of Architects. All rights reserved. The "American Institute of Architects," "AIA," the AIA Logo, "A201," and "AIA Contract Documents" are registered trademarks and may not be used without permission. This document was produced by AIA software at 11:04:23 ET on 02/03/2021 under Order No.8350518117 which expires on 01/10/2022, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail copyright@aia.org.
User Notes: (3B9ADA32)

Modifications, Definition of
1.1.1
Modifications to the Contract
1.1.1, 1.1.2, 2.5, 3.11, 4.1.2, 4.2.1, 5.2.3, 7, 8.3.1, 9.7, 10.3.2
Mutual Responsibility
6.2
Nonconforming Work, Acceptance of
9.6.6, 9.9.3, **12.3**
Nonconforming Work, Rejection and Correction of
2.4, 2.5, 3.5, 4.2.6, 6.2.4, 9.5.1, 9.8.2, 9.9.3, 9.10.4, 12.2
Notice
1.6, 1.6.1, 1.6.2, 2.1.2, 2.2.2., 2.2.3, 2.2.4, 2.5, 3.2.4, 3.3.1, 3.7.4, 3.7.5, 3.9.2, 3.12.9, 3.12.10, 5.2.1, 7.4, 8.2.2 9.6.8, 9.7, 9.10.1, 10.2.8, 10.3.2, 11.5, 12.2.2.1, 13.4.1, 13.4.2, 14.1, 14.2.2, 14.4.2, 15.1.3, 15.1.5, 15.1.6, 15.4.1
Notice of Cancellation or Expiration of Insurance
11.1.4, 11.2.3
Notice of Claims
1.6.2, 2.1.2, 3.7.4, 9.6.8, 10.2.8, **15.1.3**, 15.1.5, 15.1.6, 15.2.8, 15.3.2, 15.4.1
Notice of Testing and Inspections
13.4.1, 13.4.2
Observations, Contractor's
3.2, 3.7.4
Occupancy
2.3.1, 9.6.6, 9.8
Orders, Written
1.1.1, 2.4, 3.9.2, 7, 8.2.2, 11.5, 12.1, 12.2.2.1, 13.4.2, 14.3.1
OWNER
2
Owner, Definition of
2.1.1
Owner, Evidence of Financial Arrangements
2.2, 13.2.2, 14.1.1.4
Owner, Information and Services Required of the
2.1.2, **2.2**, 2.3, 3.2.2, 3.12.10, 6.1.3, 6.1.4, 6.2.5, 9.3.2, 9.6.1, 9.6.4, 9.9.2, 9.10.3, 10.3.3, 11.2, 13.4.1, 13.4.2, 14.1.1.4, 14.1.4, 15.1.4
Owner's Authority
1.5, 2.1.1, 2.3.32.4, 2.5, 3.4.2, 3.8.1, 3.12.10, 3.14.2, 4.1.2, 4.2.4, 4.2.9, 5.2.1, 5.2.4, 5.4.1, 6.1, 6.3, 7.2.1, 7.3.1, 8.2.2, 8.3.1, 9.3.2, 9.5.1, 9.6.4, 9.9.1, 9.10.2, 10.3.2, 11.4, 11.5, 12.2.2, 12.3, 13.2.2, 14.3, 14.4, 15.2.7
Owner's Insurance
11.2
Owner's Relationship with Subcontractors
1.1.2, 5.2, 5.3, 5.4, 9.6.4, 9.10.2, 14.2.2
Owner's Right to Carry Out the Work
2.5, 14.2.2
Owner's Right to Clean Up
6.3
Owner's Right to Perform Construction and to Award Separate Contracts
6.1
Owner's Right to Stop the Work
2.4
Owner's Right to Suspend the Work
14.3
Owner's Right to Terminate the Contract
14.2, 14.4
Ownership and Use of Drawings, Specifications and Other Instruments of Service
1.1.1, 1.1.6, 1.1.7, **1.5**, 2.3.6, 3.2.2, 3.11, 3.17, 4.2.12, 5.3
Partial Occupancy or Use
9.6.6, **9.9**
Patching, Cutting and
3.14, 6.2.5
Patents
3.17
Payment, Applications for
4.2.5, 7.3.9, 9.2, **9.3**, 9.4, 9.5, 9.6.3, 9.7, 9.8.5, 9.10.1, 14.2.3, 14.2.4, 14.4.3
Payment, Certificates for
4.2.5, 4.2.9, 9.3.3, **9.4**, 9.5, 9.6.1, 9.6.6, 9.7, 9.10.1, 9.10.3, 14.1.1.3, 14.2.4
Payment, Failure of
9.5.1.3, **9.7**, 9.10.2, 13.5, 14.1.1.3, 14.2.1.2
Payment, Final
4.2.1, 4.2.9, **9.10**, 12.3, 14.2.4, 14.4.3
Payment Bond, Performance Bond and
7.3.4.4, 9.6.7, 9.10.3, **11.1.2**
Payments, Progress
9.3, **9.6**, 9.8.5, 9.10.3, 14.2.3, 15.1.4
PAYMENTS AND COMPLETION
9
Payments to Subcontractors
5.4.2, 9.5.1.3, 9.6.2, 9.6.3, 9.6.4, 9.6.7, 14.2.1.2
PCB
10.3.1
Performance Bond and Payment Bond
7.3.4.4, 9.6.7, 9.10.3, **11.1.2**
Permits, Fees, Notices and Compliance with Laws
2.3.1, **3.7**, 3.13, 7.3.4.4, 10.2.2
PERSONS AND PROPERTY, PROTECTION OF
10
Polychlorinated Biphenyl
10.3.1
Product Data, Definition of
3.12.2
Product Data and Samples, Shop Drawings
3.11, **3.12**, 4.2.7
Progress and Completion
4.2.2, **8.2**, 9.8, 9.9.1, 14.1.4, 15.1.4
Progress Payments
9.3, **9.6**, 9.8.5, 9.10.3, 14.2.3, 15.1.4
Project, Definition of
1.1.4

AIA Document A201® – 2017. Copyright © 1911, 1915, 1918, 1925, 1937, 1951, 1958, 1961, 1963, 1966, 1970, 1976, 1987, 1997, 2007 and 2017 by The American Institute of Architects. All rights reserved. The "American Institute of Architects," "AIA," the AIA Logo, "A201," and "AIA Contract Documents" are registered trademarks and may not be used without permission. This document was produced by AIA software at 11:04:23 ET on 02/03/2021 under Order No.8350518117 which expires on 01/10/2022, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail copyright@aia.org.
User Notes: (3B9ADA32)

Project Representatives
4.2.10
Property Insurance
10.2.5, **11.2**
Proposal Requirements
1.1.1
PROTECTION OF PERSONS AND PROPERTY
10
Regulations and Laws
1.5, 2.3.2, 3.2.3, 3.6, 3.7, 3.12.10, 3.13, 9.6.4, 9.9.1, 10.2.2, 13.1, 13.3, 13.4.1, 13.4.2, 13.5, 14, 15.2.8, 15.4
Rejection of Work
4.2.6, 12.2.1
Releases and Waivers of Liens
9.3.1, 9.10.2
Representations
3.2.1, 3.5, 3.12.6, 8.2.1, 9.3.3, 9.4.2, 9.5.1, 9.10.1
Representatives
2.1.1, 3.1.1, 3.9, 4.1.1, 4.2.10, 13.2.1
Responsibility for Those Performing the Work
3.3.2, 3.18, 4.2.2, 4.2.3, 5.3, 6.1.3, 6.2, 6.3, 9.5.1, 10
Retainage
9.3.1, 9.6.2, 9.8.5, 9.9.1, 9.10.2, 9.10.3
Review of Contract Documents and Field Conditions by Contractor
3.2, 3.12.7, 6.1.3
Review of Contractor's Submittals by Owner and Architect
3.10.1, 3.10.2, 3.11, 3.12, 4.2, 5.2, 6.1.3, 9.2, 9.8.2
Review of Shop Drawings, Product Data and Samples by Contractor
3.12
Rights and Remedies
1.1.2, 2.4, 2.5, 3.5, 3.7.4, 3.15.2, 4.2.6, 5.3, 5.4, 6.1, 6.3, 7.3.1, 8.3, 9.5.1, 9.7, 10.2.5, 10.3, 12.2.1, 12.2.2, 12.2.4, **13.3**, 14, 15.4
Royalties, Patents and Copyrights
3.17
Rules and Notices for Arbitration
15.4.1
Safety of Persons and Property
10.2, 10.4
Safety Precautions and Programs
3.3.1, 4.2.2, 4.2.7, 5.3, **10.1**, 10.2, 10.4
Samples, Definition of
3.12.3
Samples, Shop Drawings, Product Data and
3.11, **3.12**, 4.2.7
Samples at the Site, Documents and
3.11
Schedule of Values
9.2, 9.3.1
Schedules, Construction
3.10, 3.12.1, 3.12.2, 6.1.3, 15.1.6.2
Separate Contracts and Contractors
1.1.4, 3.12.5, 3.14.2, 4.2.4, 4.2.7, 6, 8.3.1, 12.1.2
Separate Contractors, Definition of
6.1.1
Shop Drawings, Definition of
3.12.1
Shop Drawings, Product Data and Samples
3.11, **3.12**, 4.2.7
Site, Use of
3.13, 6.1.1, 6.2.1
Site Inspections
3.2.2, 3.3.3, 3.7.1, 3.7.4, 4.2, 9.9.2, 9.4.2, 9.10.1, 13.4
Site Visits, Architect's
3.7.4, 4.2.2, 4.2.9, 9.4.2, 9.5.1, 9.9.2, 9.10.1, 13.4
Special Inspections and Testing
4.2.6, 12.2.1, 13.4
Specifications, Definition of
1.1.6
Specifications
1.1.1, **1.1.6**, 1.2.2, 1.5, 3.12.10, 3.17, 4.2.14
Statute of Limitations
15.1.2, 15.4.1.1
Stopping the Work
2.2.2, 2.4, 9.7, 10.3, 14.1
Stored Materials
6.2.1, 9.3.2, 10.2.1.2, 10.2.4
Subcontractor, Definition of
5.1.1
SUBCONTRACTORS
5
Subcontractors, Work by
1.2.2, 3.3.2, 3.12.1, 3.18, 4.2.3, 5.2.3, 5.3, 5.4, 9.3.1.2, 9.6.7
Subcontractual Relations
5.3, 5.4, 9.3.1.2, 9.6, 9.10, 10.2.1, 14.1, 14.2.1
Submittals
3.10, 3.11, 3.12, 4.2.7, 5.2.1, 5.2.3, 7.3.4, 9.2, 9.3, 9.8, 9.9.1, 9.10.2, 9.10.3
Submittal Schedule
3.10.2, 3.12.5, 4.2.7
Subrogation, Waivers of
6.1.1, **11.3**
Substances, Hazardous
10.3
Substantial Completion
4.2.9, 8.1.1, 8.1.3, 8.2.3, 9.4.2, **9.8**, 9.9.1, 9.10.3, 12.2, 15.1.2
Substantial Completion, Definition of
9.8.1
Substitution of Subcontractors
5.2.3, 5.2.4
Substitution of Architect
2.3.3
Substitutions of Materials
3.4.2, 3.5, 7.3.8
Sub-subcontractor, Definition of
5.1.2
Subsurface Conditions
3.7.4

AIA Document A201® – 2017. Copyright © 1911, 1915, 1918, 1925, 1937, 1951, 1958, 1961, 1963, 1966, 1970, 1976, 1987, 1997, 2007 and 2017 by The American Institute of Architects. All rights reserved. The "American Institute of Architects," "AIA," the AIA Logo, "A201," and "AIA Contract Documents" are registered trademarks and may not be used without permission. This document was produced by AIA software at 11:04:23 ET on 02/03/2021 under Order No.8350518117 which expires on 01/10/2022, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail copyright@aia.org.
User Notes: (3B9ADA32)

Successors and Assigns
13.2
Superintendent
3.9, 10.2.6
Supervision and Construction Procedures
1.2.2, **3.3**, 3.4, 3.12.10, 4.2.2, 4.2.7, 6.1.3, 6.2.4, 7.1.3, 7.3.4, 8.2, 8.3.1, 9.4.2, 10, 12, 14, 15.1.4
Suppliers
1.5, 3.12.1, 4.2.4, 4.2.6, 5.2.1, 9.3, 9.4.2, 9.5.4, 9.6, 9.10.5, 14.2.1
Surety
5.4.1.2, 9.6.8, 9.8.5, 9.10.2, 9.10.3, 11.1.2, 14.2.2, 15.2.7
Surety, Consent of
9.8.5, 9.10.2, 9.10.3
Surveys
1.1.7, 2.3.4
Suspension by the Owner for Convenience
14.3
Suspension of the Work
3.7.5, 5.4.2, 14.3
Suspension or Termination of the Contract
5.4.1.1, 14
Taxes
3.6, 3.8.2.1, 7.3.4.4
Termination by the Contractor
14.1, 15.1.7
Termination by the Owner for Cause
5.4.1.1, **14.2,** 15.1.7
Termination by the Owner for Convenience
14.4
Termination of the Architect
2.3.3
Termination of the Contractor Employment
14.2.2

TERMINATION OR SUSPENSION OF THE CONTRACT
14
Tests and Inspections
3.1.3, 3.3.3, 3.7.1, 4.2.2, 4.2.6, 4.2.9, 9.4.2, 9.8.3, 9.9.2, 9.10.1, 10.3.2, 12.2.1, **13.4**
TIME
8
Time, Delays and Extensions of
3.2.4, 3.7.4, 5.2.3, 7.2.1, 7.3.1, 7.4, **8.3**, 9.5.1, 9.7, 10.3.2, 10.4, 14.3.2, 15.1.6, 15.2.5
Time Limits
2.1.2, 2.2, 2.5, 3.2.2, 3.10, 3.11, 3.12.5, 3.15.1, 4.2, 5.2, 5.3, 5.4, 6.2.4, 7.3, 7.4, 8.2, 9.2, 9.3.1, 9.3.3, 9.4.1, 9.5, 9.6, 9.7, 9.8, 9.9, 9.10, 12.2, 13.4, 14, 15.1.2, 15.1.3, 15.4
Time Limits on Claims
3.7.4, 10.2.8, 15.1.2, 15.1.3
Title to Work
9.3.2, 9.3.3
UNCOVERING AND CORRECTION OF WORK
12
Uncovering of Work
12.1
Unforeseen Conditions, Concealed or Unknown
3.7.4, 8.3.1, 10.3
Unit Prices
7.3.3.2, 9.1.2
Use of Documents
1.1.1, 1.5, 2.3.6, 3.12.6, 5.3
Use of Site
3.13, 6.1.1, 6.2.1
Values, Schedule of
9.2, 9.3.1
Waiver of Claims by the Architect
13.3.2
Waiver of Claims by the Contractor
9.10.5, 13.3.2, **15.1.7**
Waiver of Claims by the Owner
9.9.3, 9.10.3, 9.10.4, 12.2.2.1, 13.3.2, 14.2.4, **15.1.7**
Waiver of Consequential Damages
14.2.4, 15.1.7
Waiver of Liens
9.3, 9.10.2, 9.10.4
Waivers of Subrogation
6.1.1, **11.3**
Warranty
3.5, 4.2.9, 9.3.3, 9.8.4, 9.9.1, 9.10.2, 9.10.4, 12.2.2, 15.1.2
Weather Delays
8.3, 15.1.6.2
Work, Definition of
1.1.3
Written Consent
1.5.2, 3.4.2, 3.7.4, 3.12.8, 3.14.2, 4.1.2, 9.3.2, 9.10.3, 13.2, 13.3.2, 15.4.4.2
Written Interpretations
4.2.11, 4.2.12
Written Orders
1.1.1, 2.4, 3.9, 7, 8.2.2, 12.1, 12.2, 13.4.2, 14.3.1

AIA Document A201® – 2017. Copyright © 1911, 1915, 1918, 1925, 1937, 1951, 1958, 1961, 1963, 1966, 1970, 1976, 1987, 1997, 2007 and 2017 by The American Institute of Architects. All rights reserved. The "American Institute of Architects," "AIA," the AIA Logo, "A201," and "AIA Contract Documents" are registered trademarks and may not be used without permission. This document was produced by AIA software at 11:04:23 ET on 02/03/2021 under Order No.8350518117 which expires on 01/10/2022, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail copyright@aia.org.
User Notes: (3B9ADA32)

ARTICLE 1 GENERAL PROVISIONS

§ 1.1 Basic Definitions

§ 1.1.1 The Contract Documents

The Contract Documents are enumerated in the Agreement between the Owner and Contractor (hereinafter the Agreement) and consist of the Agreement, Conditions of the Contract (General, Supplementary and other Conditions), Drawings, Specifications, Addenda issued prior to execution of the Contract, other documents listed in the Agreement, and Modifications issued after execution of the Contract. A Modification is (1) a written amendment to the Contract signed by both parties, (2) a Change Order, (3) a Construction Change Directive, or (4) a written order for a minor change in the Work issued by the Architect. Unless specifically enumerated in the Agreement, the Contract Documents do not include the advertisement or invitation to bid, Instructions to Bidders, sample forms, other information furnished by the Owner in anticipation of receiving bids or proposals, the Contractor's bid or proposal, or portions of Addenda relating to bidding or proposal requirements.

§ 1.1.2 The Contract

The Contract Documents form the Contract for Construction. The Contract represents the entire and integrated agreement between the parties hereto and supersedes prior negotiations, representations, or agreements, either written or oral. The Contract may be amended or modified only by a Modification. The Contract Documents shall not be construed to create a contractual relationship of any kind (1) between the Contractor and the Architect or the Architect's consultants, (2) between the Owner and a Subcontractor or a Sub-subcontractor, (3) between the Owner and the Architect or the Architect's consultants, or (4) between any persons or entities other than the Owner and the Contractor. The Architect shall, however, be entitled to performance and enforcement of obligations under the Contract intended to facilitate performance of the Architect's duties.

§ 1.1.3 The Work

The term "Work" means the construction and services required by the Contract Documents, whether completed or partially completed, and includes all other labor, materials, equipment, and services provided or to be provided by the Contractor to fulfill the Contractor's obligations. The Work may constitute the whole or a part of the Project.

§ 1.1.4 The Project

The Project is the total construction of which the Work performed under the Contract Documents may be the whole or a part and which may include construction by the Owner and by Separate Contractors.

§ 1.1.5 The Drawings

The Drawings are the graphic and pictorial portions of the Contract Documents showing the design, location and dimensions of the Work, generally including plans, elevations, sections, details, schedules, and diagrams.

§ 1.1.6 The Specifications

The Specifications are that portion of the Project Manual and Contract Documents consisting of the written requirements for materials, equipment, systems, standards and workmanship for the Work, and performance of related services.

§ 1.1.7 Instruments of Service

Instruments of Service are representations, in any medium of expression now known or later developed, of the tangible and intangible creative work performed by the Architect and the Architect's consultants under their respective professional services agreements. Instruments of Service may include, without limitation, studies, surveys, models, sketches, drawings, specifications, and other similar materials.

§ 1.1.8 Initial Decision Maker

The Initial Decision Maker is the person identified in the Agreement to render initial decisions on Claims in accordance with Section 15.2. The Initial Decision Maker shall not show partiality to the Owner or Contractor and shall not be liable for results of interpretations or decisions rendered in good faith.

§ 1.2 Correlation and Intent of the Contract Documents

§ 1.2.1 The intent of the Contract Documents is to include all items necessary for the proper execution and completion of the Work by the Contractor. The Contract Documents are complementary, and what is required by one shall be as binding as if required by ~~all; performance~~ all. Performance by the Contractor shall be ~~required only to the extent~~ consistent with the Contract Documents and reasonably inferable from them as being necessary to

AIA Document A201® – 2017. Copyright © 1911, 1915, 1918, 1925, 1937, 1951, 1958, 1961, 1963, 1966, 1970, 1976, 1987, 1997, 2007 and 2017 by The American Institute of Architects. All rights reserved. The "American Institute of Architects," "AIA," the AIA Logo, "A201," and "AIA Contract Documents" are registered trademarks and may not be used without permission. This document was produced by AIA software at 11:04:23 ET on 02/03/2021 under Order No.8350518117 which expires on 01/10/2022, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail copyright@aia.org.
User Notes: (3B9ADA32)

produce the indicated results. Notwithstanding such performance, in case of a conflict, disagreement, or ambiguity, provide the better quality of Work. In case of a conflict, disagreement, or ambiguity, provide the greater quantity of Work.

§ 1.2.1.1 The invalidity of any provision of the Contract Documents shall not invalidate the Contract or its remaining provisions. If it is determined that any provision of the Contract Documents violates any law, or is otherwise invalid or unenforceable, then that provision shall be revised to the extent necessary to make that provision legal and enforceable. In such case the Contract Documents shall be construed, to the fullest extent permitted by law, to give effect to the parties' intentions and purposes in executing the Contract.

1.2.1.2 Plumbing, Mechanical, Fire Protection and Electrical drawings are diagrammatic, showing general locations and arrangements of piping, wiring, equipment, security and technology, and specialties; not necessarily showing all required offsets, conditions and appurtenances required for maximum practical accessibility for operation, maintenance and clearances. Coordinate this Work in order to achieve the required and intended Work and notify the Architect immediately of conditions which do not comply or will not allow for this condition.

§ 1.2.2 Organization of the Specifications into divisions, sections and articles, and arrangement of Drawings shall not control the Contractor in dividing the Work among Subcontractors or in establishing the extent of Work to be performed by any trade.

§ 1.2.3 Unless otherwise stated in the Contract Documents, words that have well-known technical or construction industry meanings are used in the Contract Documents in accordance with such recognized meanings.

§ 1.3 Capitalization

Terms capitalized in these General Conditions include those that are (1) specifically defined, (2) the titles of numbered articles, or (3) the titles of other documents published by the American Institute of Architects.

§ 1.4 Interpretation

In the interest of brevity the Contract Documents frequently omit modifying words such as "all" and "any" and articles such as "the" and "an," but the fact that a modifier or an article is absent from one statement and appears in another is not intended to affect the interpretation of either statement.

§ 1.5 Ownership and Use of Drawings, Specifications, and Other Instruments of Service

§ 1.5.1 ~~The~~ Unless otherwise required by the Owner and Architect Agreement, the Architect and the Architect's consultants shall be deemed the authors and owners of their respective Instruments of Service, including the Drawings and Specifications, and retain all common law, statutory, and other reserved rights in their Instruments of Service, including copyrights. The Contractor, Subcontractors, Sub-subcontractors, and suppliers shall not own or claim a copyright in the Instruments of Service. Submittal or distribution to meet official regulatory requirements or for other purposes in connection with the Project is not to be construed as publication in derogation of the Architect's or Architect's consultants' reserved rights.

§ 1.5.2 The Contractor, Subcontractors, Sub-subcontractors, and suppliers are authorized to use and reproduce the Instruments of Service provided to them, subject to any protocols established pursuant to Sections ~~1.7 and 1.8,~~ 1.7, 1.8, and 1.9 solely and exclusively for execution of the Work. All copies made under this authorization shall bear the copyright notice, if any, shown on the Instruments of Service. The Contractor, Subcontractors, Sub-subcontractors, and suppliers may not use the Instruments of Service on other projects or for additions to the Project outside the scope of the Work without the specific written consent of the Owner, Architect, and the Architect's consultants.

§ 1.6 Notice

§ 1.6.1 Except as otherwise provided in Section 1.6.2, where the Contract Documents require one party to notify or give notice to the other party, such notice shall be provided in writing to the designated representative of the party to whom the notice is addressed and shall be deemed to have been duly served if delivered in person, by mail, by courier, or by electronic transmission if a method for electronic transmission is set forth in the Agreement.

§ 1.6.2 Notice of Claims as provided in Section 15.1.3 shall be provided in writing and shall be deemed to have been duly served only if delivered to the designated representative of the party to whom the notice is addressed by

AIA Document A201® – 2017. Copyright © 1911, 1915, 1918, 1925, 1937, 1951, 1958, 1961, 1963, 1966, 1970, 1976, 1987, 1997, 2007 and 2017 by The American Institute of Architects. All rights reserved. The "American Institute of Architects," "AIA," the AIA Logo, "A201," and "AIA Contract Documents" are registered trademarks and may not be used without permission. This document was produced by AIA software at 11:04:23 ET on 02/03/2021 under Order No.8350518117 which expires on 01/10/2022, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail copyright@aia.org.
User Notes: (3B9ADA32)

certified or registered mail, or by courier providing proof of ~~delivery.~~delivery, including signature of receiver of such notices.

§ 1.7 Digital Data Use and Transmission

The parties shall agree upon protocols governing the transmission and use of Instruments of Service or any other information or documentation in digital form. The parties ~~will~~ shall use AIA Document E203™–2013, Building Information Modeling and Digital Data Exhibit, to establish the protocols for the development, use, transmission, and exchange of digital ~~data.~~data, should such Exhibit be included in the Agreement.

§ 1.8 Building Information Models Use and Reliance

Any use of, or reliance on, all or a portion of a building information model without agreement to protocols governing the use of, and reliance on, the information contained in the model and without having those protocols set forth in AIA Document E203™–2013, Building Information Modeling and Digital Data Exhibit, and the requisite AIA Document G202™–2013, Project Building Information Modeling Protocol Form, shall be at the using or relying party's sole risk and without liability to the other party and its contractors or consultants, the authors of, or contributors to, the building information model, and each of their agents and employees.

§ 1.9 If such Exhibits are not included in the Agreement, the Architect may, with the concurrence of the Owner, furnish to the Contractor versions of the Instruments of Service in electronic form. The Contract Documents executed or identified in accordance with Section 1.1.1 shall prevail in case of an inconsistency with subsequent versions made through manipulatable electronic operations involving computers. The Contractor shall not transfer or reuse Instruments of Service in electronic or machine readable form without the prior written consent of the Architect.

ARTICLE 2 OWNER

§ 2.1 General

§ 2.1.1 The Owner is the person or entity identified as such in the Agreement and is referred to throughout the Contract Documents as if singular in number. The Owner shall designate in writing a representative who shall have express authority to bind the Owner with respect to all matters requiring the Owner's approval or authorization. ~~Except as otherwise provided in Section 4.2.1, the~~ The Architect does not have such authority. The term "Owner" means the Owner or the Owner's authorized representative.

§ 2.1.2 The Owner shall furnish to the Contractor, within fifteen days after receipt of a written request, information necessary and relevant for the Contractor to evaluate, give notice of, or enforce mechanic's lien rights. Such information shall include a correct statement of the record legal title to the property on which the Project is located, usually referred to as the site, and the Owner's interest therein.

§ 2.2 Evidence of the Owner's Financial Arrangements

§ 2.2.1 Prior to commencement of the Work and upon written request by the Contractor, the Owner shall furnish to the Contractor reasonable evidence that the Owner has made financial arrangements to fulfill the Owner's obligations under the Contract. The Contractor shall have no obligation to commence the Work until the Owner provides such evidence. If commencement of the Work is delayed under this Section 2.2.1, the Contract Time shall be extended appropriately.

§ 2.2.2 Following commencement of the Work and upon written request by the Contractor, the Owner shall furnish to the Contractor reasonable evidence that the Owner has made financial arrangements to fulfill the Owner's obligations under the Contract only if (1) the Owner fails to make payments to the Contractor as the Contract Documents require; (2) the Contractor identifies in writing a reasonable concern regarding the Owner's ability to make payment when due; or (3) a change in the Work materially changes the Contract Sum. If the Owner fails to provide such evidence, as required, within fourteen days of the Contractor's request, the Contractor may immediately stop the Work and, in that event, shall notify the Owner that the Work has stopped. However, if the request is made because a change in the Work materially changes the Contract Sum under (3) above, the Contractor may immediately stop only that portion of the Work affected by the change until reasonable evidence is provided. If the Work is stopped under this Section 2.2.2, the Contract Time shall be extended appropriately and the Contract Sum shall be increased by the amount of the Contractor's reasonable costs of shutdown, delay and start-up, plus interest as provided in the Contract Documents.

AIA Document A201® – 2017. Copyright © 1911, 1915, 1918, 1925, 1937, 1951, 1958, 1961, 1963, 1966, 1970, 1976, 1987, 1997, 2007 and 2017 by The American Institute of Architects. All rights reserved. The "American Institute of Architects," "AIA," the AIA Logo, "A201," and "AIA Contract Documents" are registered trademarks and may not be used without permission. This document was produced by AIA software at 11:04:23 ET on 02/03/2021 under Order No.8350518117 which expires on 01/10/2022, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail copyright@aia.org.
User Notes: (3B9ADA32)

§ 2.2.3 After the Owner furnishes evidence of financial arrangements under this Section 2.2, the Owner shall not materially vary such financial arrangements without prior notice to the Contractor.

§ 2.2.4 Where the Owner has designated information furnished under this Section 2.2 as "confidential," the Contractor shall keep the information confidential and shall not disclose it to any other person. However, the Contractor may disclose "confidential" information, after seven (7) days' notice to the Owner, where disclosure is required by law, including a subpoena or other form of compulsory legal process issued by a court or governmental entity, or by court or arbitrator(s) order. The Contractor may also disclose "confidential" information to its employees, consultants, sureties, Subcontractors and their employees, Sub-subcontractors, and others who need to know the content of such information solely and exclusively for the Project and who agree to maintain the confidentiality of such information.

§ 2.3 Information and Services Required of the Owner

§ 2.3.1 Except for permits and fees that are the responsibility of the Contractor under the Contract Documents, including those required under Section 3.7.1, the Owner shall secure and pay for necessary approvals, easements, assessments and charges required for construction, use or occupancy of permanent structures or for permanent changes in existing facilities.

§ 2.3.2 The Owner shall retain an architect lawfully licensed to practice architecture, or an entity lawfully practicing architecture, in the jurisdiction where the Project is located. That person or entity is identified as the Architect in the Agreement and is referred to throughout the Contract Documents as if singular in number.

§ 2.3.3 If the employment of the Architect terminates, the Owner shall employ a successor to whom the Contractor has no reasonable objection and whose status under the Contract Documents shall be that of the Architect.

§ 2.3.4 The Owner shall furnish surveys describing physical characteristics, legal limitations and utility locations for the site of the Project, and a legal description of the site. The Contractor shall be entitled to rely on the accuracy of information furnished by the Owner but shall exercise proper precautions relating to the safe performance of the Work.

§ 2.3.5 The Owner shall furnish information or services required of the Owner by the Contract Documents with reasonable promptness. The Owner shall also furnish any other information or services under the Owner's control and relevant to the Contractor's performance of the Work with reasonable promptness after receiving the Contractor's written request for such information or services.

§ 2.3.6 Unless otherwise provided in the Contract Documents, the Owner shall furnish to the Contractor one ~~copy of the~~ ~~Contract Documents~~ ~~for~~ electronic copy of the Drawings, Specifications, and Addenda issued, **for the purposes of making reproductions pursuant to Section 1.5.2.**

§ 2.3.6.1 At the Architect's sole discretion, selected electronic (CAD) Drawing files may be made available for use by the Contractor after execution of the Contract for Construction, with the exception of civil grading and layout plans, if authorized by the civil consultant. Such electronic files are not part of the Contract Documents. If available, the Architect shall release them to the Contractor subject to the terms and conditions established by the Architect, to which the Contractor must agree without exception prior to release of the electronic files. Refer to **www.moseleyarchitects.com** for the Architect's current Request for Electronic (CAD) Files form, which defines the applicable terms and conditions.

§ 2.4 Owner's Right to Stop the Work

If the Contractor fails to correct Work that is not in accordance with the requirements of the Contract Documents as required by Section 12.2 or repeatedly fails to carry out Work in accordance with the Contract Documents, the Owner may issue a written order to the Contractor to stop the Work, or any portion thereof, until the cause for such order has been eliminated; however, the right of the Owner to stop the Work shall not give rise to a duty on the part of the Owner to exercise this right for the benefit of the Contractor or any other person or entity, except to the extent required by Section 6.1.3.

AIA Document A201® – 2017. Copyright © 1911, 1915, 1918, 1925, 1937, 1951, 1958, 1961, 1963, 1966, 1970, 1976, 1987, 1997, 2007 and 2017 by The American Institute of Architects. All rights reserved. The "American Institute of Architects," "AIA," the AIA Logo, "A201," and "AIA Contract Documents" are registered trademarks and may not be used without permission. This document was produced by AIA software at 11:04:23 ET on 02/03/2021 under Order No.8350518117 which expires on 01/10/2022, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail copyright@aia.org.
User Notes: (3B9ADA32)

§ 2.5 Owner's Right to Carry Out the Work

If the Contractor defaults or neglects to carry out the Work in accordance with the Contract Documents and fails within a ten-day period after receipt of notice from the Owner to commence and continue correction of such default or neglect with diligence and promptness, the Owner may, without prejudice to other remedies the Owner may have, correct such default or neglect. ~~Such action by the Owner and amounts charged to the Contractor are both subject to prior approval of the Architect and the Architect may, pursuant to Section 9.5.1, withhold or~~ Amounts charged to the Contractor may, pursuant to Section 9.5.1, nullify a Certificate for Payment in whole or in part, to the extent reasonably necessary to reimburse the Owner for the reasonable cost of correcting such deficiencies, including Owner's expenses and compensation for the Architect's additional services made necessary by such default, neglect, or failure. If current and future payments are not sufficient to cover such amounts, the Contractor shall pay the difference to the Owner. If the Contractor disagrees with the actions of the Owner or the Architect, or the amounts claimed as costs to the Owner, the Contractor may file a Claim pursuant to Article 15.

ARTICLE 3 CONTRACTOR

§ 3.1 General

§ 3.1.1 The Contractor is the person or entity identified as such in the Agreement and is referred to throughout the Contract Documents as if singular in number. The Contractor shall be lawfully licensed, if required in the jurisdiction where the Project is located. The Contractor shall designate in writing a representative who shall have express authority to bind the Contractor with respect to all matters under this Contract. The term "Contractor" means the Contractor or the Contractor's authorized representative.

§ 3.1.2 The Contractor shall perform the Work in accordance with the Contract Documents.

§ 3.1.3 The Contractor shall not be relieved of its obligations to perform the Work in accordance with the Contract Documents either by activities or duties of the Architect in the Architect's administration of the Contract, or by tests, inspections or approvals required or performed by persons or entities other than the Contractor.

§ 3.1.4 During the performance of this Contract, the Contractor will include the provisions of the foregoing Sections 3.1.4.1 and 3.1.4.2 in every Subcontract or purchase order of over ten thousand dollars ($10,000.), so that the provisions will be binding upon each Subcontractor or vendor; and furthermore, the Contractor agrees as follows:

.1 The Contractor will not discriminate against any employee or applicant for employment because of race, religion, color, sex, or national origin, except where religion, sex or national origin is a bona fide occupational qualification reasonably necessary to the normal operation of the Contractor. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provisions of this non-discrimination clause.

.2 The Contractor, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, will state that such Contractor is an equal opportunity employer.

.3 Notices, advertisements, and solicitations placed in accordance with federal law, rule, or regulation shall be deemed sufficient for the purpose of meeting requirements of this section.

.4 The Contractor does not, and shall not during the performance of this Contract, knowingly employ an unauthorized alien as defined in the Federal Immigration Reform and Control Act of 1986.

.5 Contractor hereby represents it is organized as a stock or non-stock corporation, limited liability company, business trust, or limited partnership or registered as a registered limited liability partnership and is authorized to transact business in the jurisdiction where the Project is located as a domestic or foreign business entity if so required by Title 13.1 or Title 50 or as otherwise required by law.

§ 3.2 Review of Contract Documents and Field Conditions by Contractor

§ 3.2.1 Execution of the Contract by the Contractor is a representation that the Contractor has visited the site, become generally familiar with local conditions under which the Work is to be performed, and correlated personal observations with requirements of the Contract Documents.

§ 3.2.2 Because the Contract Documents are complementary, the Contractor shall, before starting each portion of the Work, carefully study and compare the various Contract Documents relative to that portion of the Work, as well as the information furnished by the Owner pursuant to Section ~~2.3.4,~~ 2.3, shall take field measurements of any existing conditions related to that portion of the Work, and shall observe any conditions at the site affecting it. These obligations are for the purpose of facilitating coordination and construction by the Contractor and are not for the

AIA Document A201® – 2017. Copyright © 1911, 1915, 1918, 1925, 1937, 1951, 1958, 1961, 1963, 1966, 1970, 1976, 1987, 1997, 2007 and 2017 by The American Institute of Architects. All rights reserved. The "American Institute of Architects," "AIA," the AIA Logo, "A201," and "AIA Contract Documents" are registered trademarks and may not be used without permission. This document was produced by AIA software at 11:04:23 ET on 02/03/2021 under Order No.8350518117 which expires on 01/10/2022, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail copyright@aia.org.
User Notes: (3B9ADA32)

purpose of discovering errors, omissions, or inconsistencies in the Contract Documents; however, the Contractor shall promptly report to the Architect any errors, inconsistencies or omissions discovered by or made known to the Contractor as a request for information in such form as the Architect may require. It is recognized that the Contractor's review is made in the Contractor's capacity as a contractor and not as a licensed design professional, unless otherwise specifically provided in the Contract Documents.

§ 3.2.3 The Contractor is not required to ascertain that the Contract Documents are in accordance with applicable laws, statutes, ordinances, codes, rules and regulations, or lawful orders of public authorities, but the Contractor shall promptly report to the Architect any nonconformity discovered by or made known to the Contractor as a request for information in such form as the Architect may require. If the Contractor performs Work knowing it to be contrary to applicable laws, statutes, ordinances, codes, rules and regulations, or lawful orders of public authorities, the Contractor shall assume appropriate responsibility for such Work and shall bear the costs attributable to correction.

§ 3.2.4 If the Contractor believes that additional cost or time is involved because of clarifications or instructions the Architect issues in response to the Contractor's notices or requests for information pursuant to Sections 3.2.2 or 3.2.3, the Contractor shall submit Claims as provided in Article 15. If the Contractor fails to perform the obligations of Sections 3.2.2 or 3.2.3, the Contractor shall pay such costs and damages to the Owner, subject to Section 15.1.7, as would have been avoided if the Contractor had performed such obligations. If the Contractor performs those obligations, the Contractor shall not be liable to the Owner or Architect for damages resulting from errors, inconsistencies or omissions in the Contract Documents, for differences between field measurements or conditions and the Contract Documents, or for nonconformities of the Contract Documents to applicable laws, statutes, ordinances, codes, rules and regulations, and lawful orders of public authorities.

§ 3.2.5 The Owner shall deduct from the Contract Sum amounts paid to the Architect for the Architect to evaluate and respond to the Contractor's requests for information, where such information was available to the Contractor from a careful study and comparison of the Contract Documents, field conditions, other Owner-provided information, Contractor-prepared coordination drawings, or prior correspondence or documentation.

§ 3.3 Supervision and Construction Procedures

§ 3.3.1 The Contractor shall supervise and direct the Work, using the Contractor's best skill and attention. The Contractor shall be solely responsible for, and have control over, construction means, methods, techniques, sequences, and procedures, and for coordinating all portions of the Work under the Contract. If the Contract Documents give specific instructions concerning construction means, methods, techniques, sequences, or procedures, the Contractor shall evaluate the jobsite safety thereof and shall be solely responsible for the jobsite safety of such means, methods, techniques, sequences, or procedures. If the Contractor determines that such means, methods, techniques, sequences or procedures may not be ~~safe,~~ appropriate, the Contractor shall give timely notice to the Owner and Architect, and shall propose alternative means, methods, techniques, sequences, or procedures. The Architect shall evaluate the proposed alternative solely for conformance with the design intent for the completed construction. Unless the Architect objects to the Contractor's proposed ~~alternative,~~ alternative in writing, the Contractor shall perform the Work using its alternative means, methods, techniques, sequences, or procedures.

§ 3.3.2 The Contractor shall be responsible to the Owner for acts and omissions of the Contractor's employees, Subcontractors and their agents and employees, and other persons or entities performing portions of the Work for, or on behalf of, the Contractor or any of its Subcontractors.

§ 3.3.3 The Contractor shall be responsible for inspection of portions of Work already performed to determine that such portions are in proper condition to receive subsequent Work.

§ 3.4 Labor and Materials

§ 3.4.1 Unless otherwise provided in the Contract Documents, the Contractor shall provide and pay for labor, materials, equipment, tools, construction equipment and machinery, water, heat, utilities, transportation, and other facilities and services necessary for proper execution and completion of the Work, whether temporary or permanent and whether or not incorporated or to be incorporated in the Work.

§ 3.4.2 Except in the case of minor changes in the Work ~~approved~~ found to be acceptable by the Architect in accordance with Section 3.12.8 or ordered by the Architect in accordance with Section 7.4, the Contractor may make

AIA Document A201® – 2017. Copyright © 1911, 1915, 1918, 1925, 1937, 1951, 1958, 1961, 1963, 1966, 1970, 1976, 1987, 1997, 2007 and 2017 by The American Institute of Architects. All rights reserved. The "American Institute of Architects," "AIA," the AIA Logo, "A201," and "AIA Contract Documents" are registered trademarks and may not be used without permission. This document was produced by AIA software at 11:04:23 ET on 02/03/2021 under Order No.8350518117 which expires on 01/10/2022, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail copyright@aia.org.
User Notes: (3B9ADA32)

substitutions only with the consent of the Owner, after ~~evaluation~~ review by the Architect and in accordance with a Change Order or Construction Change Directive.

§ 3.4.2.1 After the Contract has been executed, the Owner and the Architect will consider a formal request for substitution in lieu of those required by the Contract Documents only under and in addition to, the conditions set forth in the Contract Documents. By making requests for substitutions, the Contractor:

.1 represents that the Contractor has personally investigated the proposed substitute product and determined that it is equal or superior in all respects to requirements of the Contract Documents;

.2 represents that the Contractor will provide the same warranty for the substitution that the Contractor is required to provide under the Contract Documents;

.3 certifies that the cost data presented is complete and includes all related costs under this Contract including the Architect's redesign costs, and waives all claims for additional costs and time related to the substitution which subsequently become apparent; and

.4 will coordinate and perform the installation of the accepted substitute, making such changes to the Work as may be required for the Work to be complete in all respects.

§ 3.4.3 The Contractor shall enforce strict discipline and good order among the Contractor's employees and other persons carrying out the Work. The Contractor shall not permit employment of unfit persons or persons not properly skilled in tasks assigned to them.

§ 3.4.4 The Owner shall deduct from the Contract Sum amounts paid to the Architect for the Architect to review the Contractor's proposed substitutions, to make agreed-upon changes in the Instruments of Service, including the Contract Documents, and to provide additional construction phase services made necessary by the Owner's acceptance of such substitutions.

§ 3.5 Warranty

§ 3.5.1 The Contractor warrants to the Owner and Architect that materials and equipment furnished under the Contract will be of good quality and new unless the Contract Documents require or permit otherwise. The Contractor further warrants that the Work will conform to the requirements of the Contract Documents and will be free from defects, except for those inherent in the quality of the Work the Contract Documents require or permit. Work, materials, or equipment not conforming to these requirements may be considered defective. The Contractor's warranty excludes remedy for damage or defect caused by abuse, alterations to the Work not executed by the Contractor, improper or insufficient maintenance, improper operation, or normal wear and tear and normal usage. If required by the Architect, the Contractor shall furnish satisfactory evidence as to the kind and quality of materials and equipment.

§ 3.5.2 All material, equipment, or other special warranties required by the Contract Documents shall be issued in the name of the Owner, or shall be transferable to the Owner, and shall commence in accordance with Section 9.8.4.

§ 3.5.3 Except as otherwise indicated in the Contract Documents, all Work shall be guaranteed by the Contractor against defects resulting from the use of inferior materials, equipment or workmanship for one year from the date of Substantial Completion for the Work. Within this guarantee period, the Contractor shall further guarantee that all movable or adjustable Work shall remain in perfect working order, including (but not limited to) hardware, weather-strips, doors, windows, apparatus, machinery, electrical equipment and all other mechanical equipment, but the guarantee shall not apply to Work which has been abused or neglected by the Owner or his successors in interest.

§ 3.5.4 The guarantee period for any system or systems on which required tests have not been successfully performed as of the Date of Substantial Completion for the Work, due to seasonal limitations, shall begin after the required tests have been successfully performed.

§ 3.6 Taxes

The Contractor shall pay sales, consumer, use and similar taxes for the Work provided by the Contractor that are legally enacted when bids are received or negotiations concluded, whether or not yet effective or merely scheduled to go into effect.

AIA Document A201® – 2017. Copyright © 1911, 1915, 1918, 1925, 1937, 1951, 1958, 1961, 1963, 1966, 1970, 1976, 1987, 1997, 2007 and 2017 by The American Institute of Architects. All rights reserved. The "American Institute of Architects," "AIA," the AIA Logo, "A201," and "AIA Contract Documents" are registered trademarks and may not be used without permission. This document was produced by AIA software at 11:04:23 ET on 02/03/2021 under Order No.8350518117 which expires on 01/10/2022, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail copyright@aia.org.
User Notes: (3B9ADA32)

§ 3.7 Permits, Fees, Notices and Compliance with Laws

§ 3.7.1 Unless otherwise provided in the Contract Documents, the Contractor shall secure and pay for the building permit as well as for other permits, fees, licenses, and inspections by government agencies necessary for proper execution and completion of the Work that are customarily secured after execution of the Contract and legally required at the time bids are received or negotiations concluded.

§ 3.7.1.1 Unless otherwise provided in the Contract Documents, the Contractor is responsible for obtaining utilities for the Project and providing the Work relating to Project utilities as indicated. Responsibility for payment of fees associated with providing utilities to the Project shall be as follows:

.1 Any fees assessed by entities for providing permanent utilities to the Project shall be paid directly to the utility entities by Owner. These include "tap fees" and "electrical connection and service fee." Contractor shall coordinate the permanent utilities and the entity's related work to comply with the construction schedule.

.2 Any fees assessed by entities for providing temporary utilities to the Project for use by Contractor during construction of the Project shall be paid by the Contractor. The Contractor's payment of fees for temporary utilities shall be included in the Base Bid and Contract Sum and will not be reimbursed by the Owner.

§ 3.7.2 The Contractor shall comply with and give notices required by applicable laws, statutes, ordinances, codes, rules and regulations, and lawful orders of public authorities applicable to performance of the Work.

§ 3.7.3 If the Contractor performs Work knowing it to be contrary to applicable laws, statutes, ordinances, codes, rules and regulations, or lawful orders of public authorities, the Contractor shall assume appropriate responsibility for such Work and shall bear the costs attributable to correction.

§ 3.7.4 Concealed or Unknown Conditions

If the Contractor encounters conditions at the site that are (1) subsurface or otherwise concealed physical conditions that differ materially from those indicated in the Contract Documents or (2) unknown physical conditions of an unusual nature that differ materially from those ordinarily found to exist and generally recognized as inherent in construction activities of the character provided for in the Contract Documents, the Contractor shall promptly provide notice to the Owner and the Architect before conditions are disturbed and in no event later than 14 days after first observance of the conditions. The Architect will promptly ~~investigate~~ review such conditions and, if the Architect determines that they differ materially and cause an increase or decrease in the Contractor's cost of, or time required for, performance of any part of the Work, will ~~recommend~~ determine that an equitable adjustment should be made in the Contract Sum or Contract Time, or both. If the Architect determines that the conditions at the site are not materially different from those indicated in the Contract Documents and that no change in the terms of the Contract is justified, the Architect shall promptly notify the Owner and Contractor, stating the reasons. If either party disputes the Architect's determination ~~or recommendation,~~ that party may submit a Claim as provided in Article 15.

§ 3.7.5 If, in the course of the Work, the Contractor encounters human remains or recognizes the existence of burial markers, archaeological sites or wetlands not indicated in the Contract Documents, the Contractor shall immediately suspend any operations that would affect them and shall notify the Owner and Architect. Upon receipt of such notice, the Owner shall promptly take any action necessary to obtain governmental authorization required to resume the operations. The Contractor shall continue to suspend such operations until otherwise instructed by the Owner but shall continue with all other operations that do not affect those remains or features. Requests for adjustments in the Contract Sum and Contract Time arising from the existence of such remains or features may be made as provided in Article 15.

§ 3.8 Allowances

§ 3.8.1 The Contractor shall include in the Contract Sum all allowances stated in the Contract Documents. Items covered by allowances shall be supplied for such amounts and by such persons or entities as the Owner may direct, but the Contractor shall not be required to employ persons or entities to whom the Contractor has reasonable objection.

§ 3.8.2 Unless otherwise provided in the Contract Documents,

AIA Document A201® – 2017. Copyright © 1911, 1915, 1918, 1925, 1937, 1951, 1958, 1961, 1963, 1966, 1970, 1976, 1987, 1997, 2007 and 2017 by The American Institute of Architects. All rights reserved. The "American Institute of Architects," "AIA," the AIA Logo, "A201," and "AIA Contract Documents" are registered trademarks and may not be used without permission. This document was produced by AIA software at 11:04:23 ET on 02/03/2021 under Order No.8350518117 which expires on 01/10/2022, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail copyright@aia.org.
User Notes: (3B9ADA32)

.1 allowances shall cover the cost to the Contractor of materials and equipment delivered at the site and all required taxes, less applicable trade discounts;

.2 Contractor's costs for unloading and handling at the site, labor, installation costs, overhead, profit, and other expenses contemplated for stated allowance amounts shall be included in the Contract Sum but not in the allowances; and

.3 whenever costs are more than or less than allowances, the Contract Sum shall be adjusted accordingly by Change Order. The amount of the Change Order shall reflect (1) the difference between actual costs and the allowances under Section 3.8.2.1 and (2) changes in Contractor's costs under Section 3.8.2.2.

§ 3.8.3 Materials and equipment under an allowance shall be selected by the Owner with reasonable promptness. The Contractor shall identify the date for Owner's selection on the critical path of the Contractor's Construction Schedule and provide the Owner a minimum of two weeks notice before this date.

§ 3.9 Superintendent and Project Manager

§ 3.9.1 The Contractor shall employ a competent superintendent and project manager and necessary assistants who shall be in attendance at the Project site during performance of the Work. The superintendent and project manager shall represent the Contractor, and communications given to the superintendent or project manager shall be as binding as if given to the Contractor.

§ 3.9.2 The Contractor, as soon as practicable after award of the Contract, shall notify the Owner and Architect of the name and qualifications of a proposed ~~superintendent.~~ superintendent and project manager. Within 14 days of receipt of the information, the ~~Architect~~ Owner may notify the Contractor, stating whether the Owner ~~or the Architect~~ (1) has reasonable objection to the proposed superintendent or project manager or (2) requires additional time for review. Failure of the ~~Architect~~ Owner to provide notice within the 14-day period shall constitute notice of no reasonable objection.

§ 3.9.3 The Contractor shall not employ a proposed superintendent or project manager to whom the Owner ~~or Architect~~ has made reasonable and timely objection. The Contractor shall not change the superintendent or project manager without the Owner's consent, which shall not unreasonably be withheld or delayed.

§ 3.9.4 The Superintendent employed by the Contractor shall have a minimum of five (5) years commercial experience as the primary Superintendent on projects of similar size and complexity as the Work. The superintendent shall speak fluent English and clearly understand the English language. The Contractor shall submit to the Owner a resume and other supporting documentation showing that the proposed Superintendent is competent and has the minimum work experience required to execute the Work. The Owner reserves the right to request additional supporting documentation regarding the proposed Superintendent's qualifications and to require the Contractor to propose an alternate Superintendent who better meets the requirements contained in this Article, as may reasonably be determined by the Owner. The Contractor shall notify the Architect and Owner in writing of any proposed replacement of the Superintendent. The Contractor shall not replace a competent Superintendent without prior written approval from the Owner. The requirements contained in this Article shall apply to any proposed replacement Superintendent, regardless if the proposed tenure is to be temporary or permanent.

§ 3.9.5 The Contractor shall employ a Project Manager to be assigned to the Work. The Project Manager employed by the Contractor shall have a minimum of five (5) years commercial experience as Project Manager on projects of similar size and complexity as the Work. The project manager shall speak fluent English and clearly understand the English language. The Contractor shall submit to the Owner a resume and other supporting documentation showing that the proposed Project Manager is competent and has the minimum work experience required to execute the Work. The Owner reserves the right to request additional supporting documentation regarding the proposed Project Manager's qualifications and to require the Contractor to propose an alternate Project Manager who better meets the requirements contained in this Article, as may reasonably be determined by the Owner. The Contractor shall notify the Architect and Owner in writing of any proposed replacement of the Project Manager. The Contractor shall not replace a competent Project Manager without prior written approval from the Owner. The requirements contained in this Article shall apply to any proposed replacement Project Manager, regardless if the proposed tenure is to be temporary or permanent. The Project Manager shall not act as the Superintendent or replacement for the Superintendent without written approval from the Owner.

AIA Document A201® – 2017. Copyright © 1911, 1915, 1918, 1925, 1937, 1951, 1958, 1961, 1963, 1966, 1970, 1976, 1987, 1997, 2007 and 2017 by The American Institute of Architects. All rights reserved. The "American Institute of Architects," "AIA," the AIA Logo, "A201," and "AIA Contract Documents" are registered trademarks and may not be used without permission. This document was produced by AIA software at 11:04:23 ET on 02/03/2021 under Order No.8350518117 which expires on 01/10/2022, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail copyright@aia.org.
User Notes: (3B9ADA32)

§ 3.10 Contractor's Construction and Submittal Schedules

§ 3.10.1 The Contractor, promptly after being awarded the Contract, shall submit for the Owner's and Architect's information a Contractor's construction schedule for the Work. ~~The schedule shall contain detail~~ Unless otherwise required by the Contract Documents; the schedule shall contain details appropriate for the Project, including (1) the date of commencement of the Work, interim schedule milestone dates, and the date of Substantial Completion; (2) an apportionment of the Work by construction activity; and (3) the time required for completion of each portion of the Work. The schedule shall provide for the orderly progression of the Work to ~~completion and shall not exceed time limits current under~~ the Substantial Completion date and final completion date indicated in the Contract Documents. The schedule shall be revised at appropriate intervals as required by the conditions of the Work and Project.

§ 3.10.2 The Contractor, promptly after being awarded the Contract and thereafter as necessary to maintain a current submittal schedule, shall submit a submittal schedule ~~for the Architect's approval. The Architect's approval shall not be unreasonably delayed or withheld. The~~ in accordance with section 3.12. Unless otherwise required by the Contract Documents, the submittal schedule shall (1) be coordinated with the Contractor's construction schedule, and (2) allow the Architect reasonable time to review submittals. If the Contractor fails to submit a submittal schedule, or fails to provide submittals in accordance with the ~~approved~~ accepted submittal schedule, the Contractor shall not be entitled to any increase in Contract Sum or extension of Contract Time based on the time required for review of submittals.

§ 3.10.3 The Contractor shall perform the Work in general accordance with the most recent schedules submitted to the Owner and Architect.

§ 3.11 Documents and Samples at the Site

The Contractor shall make available, at the Project site, the Contract Documents, including Change Orders, Construction Change Directives, and other ~~Modifications,~~ modifications, in good order and marked currently to indicate field changes and selections made during construction, and the approved Shop Drawings, Product Data, Samples, and similar required submittals. These shall be in electronic form or paper copy, available to the Architect and Owner, and delivered to the Architect for submittal to the Owner upon completion of the Work as a record of the Work as constructed.

§ 3.12 Shop Drawings, Product Data and Samples

§ 3.12.1 Shop Drawings are drawings, diagrams, schedules, and other data specially prepared for the Work by the Contractor or a Subcontractor, Sub-subcontractor, manufacturer, supplier, or distributor to illustrate some portion of the Work.

§ 3.12.2 Product Data are illustrations, standard schedules, performance charts, instructions, brochures, diagrams, and other information furnished by the Contractor to illustrate materials or equipment for some portion of the Work.

§ 3.12.3 Samples are physical examples that illustrate materials, equipment, or workmanship, and establish standards by which the Work will be judged.

§ 3.12.4 Shop Drawings, Product Data, Samples, and similar submittals are not Contract Documents. Their purpose is to demonstrate how the Contractor proposes to conform to the information given and the design concept expressed in the Contract Documents for those portions of the Work for which the Contract Documents require submittals. Review by the Architect is subject to the limitations of Section 4.2.7. Informational submittals upon which the Architect is not expected to take responsive action may be so identified in the Contract Documents. Submittals that are not required by the Contract Documents may be returned by the Architect without action.

§ 3.12.5 The Contractor shall review for compliance with the Contract Documents, approve, and submit to the Architect, Shop Drawings, Product Data, Samples, and similar submittals required by the Contract Documents, in accordance with the submittal schedule ~~approved~~ accepted by the Architect or, in the absence of an ~~approved~~ accepted submittal schedule, with reasonable promptness and in such sequence as to cause no delay in the Work or in the activities of the Owner or of Separate Contractors.

§ 3.12.6 By submitting Shop Drawings, Product Data, Samples, and similar submittals, the Contractor represents to the Owner and Architect that the Contractor has (1) reviewed and approved them, (2) determined and verified

AIA Document A201® – 2017. Copyright © 1911, 1915, 1918, 1925, 1937, 1951, 1958, 1961, 1963, 1966, 1970, 1976, 1987, 1997, 2007 and 2017 by The American Institute of Architects. All rights reserved. The "American Institute of Architects," "AIA," the AIA Logo, "A201," and "AIA Contract Documents" are registered trademarks and may not be used without permission. This document was produced by AIA software at 11:04:23 ET on 02/03/2021 under Order No.8350518117 which expires on 01/10/2022, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail copyright@aia.org.
User Notes: (3B9ADA32)

materials, field measurements and field construction criteria related thereto, or will do so, and (3) checked and coordinated the information contained within such submittals with the requirements of the Work and of the Contract Documents.

§ 3.12.7 The Contractor shall perform no portion of the Work for which the Contract Documents require submittal and review of Shop Drawings, Product Data, Samples, or similar submittals, until the respective submittal has been ~~approved~~ accepted by the Architect.

§ 3.12.8 The Work shall be in accordance with ~~approved~~ accepted submittals except that the Contractor shall not be relieved of responsibility for deviations from the requirements of the Contract Documents by the Architect's ~~approval~~ acceptance of Shop Drawings, Product Data, Samples, or similar submittals, unless the Contractor has specifically notified the Architect of such deviation at the time of submittal and (1) the Architect has given written ~~approval~~ acceptance to the specific deviation in accordance with 3.12.9 as a minor change in the Work, or (2) a Change Order or Construction Change Directive has been issued authorizing the deviation. The Contractor shall not be relieved of responsibility for errors or omissions in Shop Drawings, Product Data, Samples, or similar submittals, by the Architect's ~~approval~~ acceptance thereof.

§ 3.12.9 The Contractor shall direct specific attention, in writing on a cover letter attached to the original or on the case of a resubmittal, on resubmitted Shop Drawings, Product Data, Samples, or similar submittals, to all revisions or deviations other than those requested by the Architect on previous submittals. In the absence of such notice, the Architect's ~~approval~~ acceptance of a resubmission shall not apply to such ~~revisions.~~ revisions or deviations.

§ 3.12.10 The Contractor shall not be required (delegated design) to provide professional services that constitute the practice of architecture or engineering unless such services are specifically required by the Contract Documents for a portion of the Work or unless the Contractor needs to provide such services in order to carry out the Contractor's responsibilities for construction means, methods, techniques, sequences, and procedures. The Contractor shall not be required to provide professional services in violation of applicable law.

§ 3.12.10.1 If such delegated professional design services or certifications by a design professional related to systems, materials, or equipment are specifically required of the Contractor by the Contract Documents, the Owner and the Architect will ~~specify~~ provide all performance and design criteria that such services must satisfy. The Contractor shall be entitled to rely upon the adequacy and accuracy of the performance and design criteria provided in the Contract Documents. The Contractor shall cause such services or certifications to be provided by an appropriately licensed design professional, licensed in the state where the Project is located, whose signature and seal shall appear on all drawings, calculations, specifications, certifications, Shop Drawings, and other submittals prepared by such professional. Shop Drawings, and other submittals related to the Work, designed or certified by such professional, if prepared by others, shall bear such professional's written approval when submitted to the Architect. The Owner and the Architect shall be entitled to rely upon the adequacy and accuracy of the services, certifications, and approvals performed or provided by such design professionals, provided the Owner and Architect have ~~specified~~ provided to the Contractor the performance and design criteria that such services must satisfy. Pursuant to this Section 3.12.10, the Architect will review and ~~approve or~~ take ~~other~~ appropriate action on submittals only for the limited purpose of checking for conformance with information given and the design concept expressed in the Contract Documents.

§ 3.12.10.2 If the Contract Documents require the Contractor's design professional to certify that the Work has been performed in accordance with the design criteria, the Contractor shall furnish such certifications to the Architect at the time and in the form specified by the Architect.

§ 3.12.11 The Architect's review of Contractor's submittals will be limited to examination of an initial submittal and one (1) resubmittal. The Architect's review of additional resubmittals will be made only with the consent of the Owner after notification by the Architect. The Owner shall to deduct from the Contract Sum amounts paid to the Architect for evaluation of such additional resubmittals.

§ 3.13 Use of Site

The Contractor shall confine operations at the site to areas permitted by applicable laws, statutes, ordinances, codes, rules and regulations, lawful orders of public authorities, and the Contract Documents and shall not unreasonably encumber the site with materials or equipment.

AIA Document A201® – 2017. Copyright © 1911, 1915, 1918, 1925, 1937, 1951, 1958, 1961, 1963, 1966, 1970, 1976, 1987, 1997, 2007 and 2017 by The American Institute of Architects. All rights reserved. The "American Institute of Architects," "AIA," the AIA Logo, "A201," and "AIA Contract Documents" are registered trademarks and may not be used without permission. This document was produced by AIA software at 11:04:23 ET on 02/03/2021 under Order No.8350518117 which expires on 01/10/2022, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail copyright@aia.org.
User Notes: (3B9ADA32)

§ 3.14 Cutting and Patching

§ 3.14.1 The Contractor shall be responsible for cutting, fitting, or patching required to complete the Work or to make its parts fit together properly. All areas requiring cutting, fitting, or patching shall be restored to the condition existing prior to the cutting, fitting, or patching, unless otherwise required by the Contract Documents.

§ 3.14.2 The Contractor shall not damage or endanger a portion of the Work or fully or partially completed construction of the Owner or Separate Contractors by cutting, patching, or otherwise altering such construction, or by excavation. The Contractor shall not cut or otherwise alter construction by the Owner or a Separate Contractor except with written consent of the Owner and of the Separate Contractor. Consent shall not be unreasonably withheld. The Contractor shall not unreasonably withhold, from the Owner or a Separate Contractor, its consent to cutting or otherwise altering the Work.

§ 3.15 Cleaning Up

§ 3.15.1 The Contractor shall keep the premises and surrounding area free from accumulation of waste materials and rubbish caused by operations under the Contract. At completion of the Work, the Contractor shall remove waste materials, rubbish, the Contractor's tools, construction equipment, machinery, and surplus materials from and about the Project.

§ 3.15.2 If the Contractor fails to clean up as provided in the Contract Documents, the Owner may do so and the Owner shall be entitled to reimbursement from the Contractor.

§ 3.16 Access to Work

The Contractor shall provide the Owner and Architect with access to the Work in preparation and progress wherever located.

§ 3.17 Royalties, Patents and Copyrights

The Contractor shall pay all royalties and license fees. The Contractor shall defend suits or claims for infringement of copyrights and patent rights and shall hold the Owner and Architect harmless from loss on account thereof, but shall not be responsible for defense or loss when a particular design, process, or product of a particular manufacturer or manufacturers is required by the Contract Documents, or where the copyright violations are contained in Drawings, Specifications, or other documents prepared by the Owner or Architect. However, if an infringement of a copyright or patent is discovered by, or made known to, the Contractor, the Contractor shall be responsible for the loss unless the information is promptly furnished to the Architect.

§ 3.18 Indemnification

§ 3.18.1 To the fullest extent permitted by law, the Contractor shall indemnify and hold harmless the Owner, Architect, Architect's consultants, and agents and employees of any of them from and against claims, damages, losses, and expenses, including but not limited to attorneys' fees, arising out of or resulting from performance of the Work, provided that such claim, damage, loss, or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the Work itself), but only to the extent caused by the negligent acts or omissions of the Contractor, a Subcontractor, anyone directly or indirectly employed by them, or anyone for whose acts they may be liable, regardless of whether or not such claim, damage, loss, or expense is caused in part by a party indemnified hereunder. Such obligation shall not be construed to negate, abridge, or reduce other rights or obligations of indemnity that would otherwise exist as to a party or person described in this Section 3.18.

§ 3.18.2 In claims against any person or entity indemnified under this Section 3.18 by an employee of the Contractor, a Subcontractor, anyone directly or indirectly employed by them, or anyone for whose acts they may be liable, the indemnification obligation under Section 3.18.1 shall not be limited by a limitation on amount or type of damages, compensation, or benefits payable by or for the Contractor or a Subcontractor under workers' compensation acts, disability benefit acts, or other employee benefit acts.

ARTICLE 4 ARCHITECT

§ 4.1 General

§ 4.1.1 The Architect is the person or entity retained by the Owner pursuant to Section 2.3.2 and identified as such in the Agreement. Such terms as 'Architect-Engineer,' 'Engineer,' and 'A-E,' if used in these Contract Documents, is

AIA Document A201® – 2017. Copyright © 1911, 1915, 1918, 1925, 1937, 1951, 1958, 1961, 1963, 1966, 1970, 1976, 1987, 1997, 2007 and 2017 by The American Institute of Architects. All rights reserved. The "American Institute of Architects," "AIA," the AIA Logo, "A201," and "AIA Contract Documents" are registered trademarks and may not be used without permission. This document was produced by AIA software at 11:04:23 ET on 02/03/2021 under Order No.8350518117 which expires on 01/10/2022, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail copyright@aia.org.
User Notes: (3B9ADA32)

intended to mean the Architect and its consultants unless otherwise intended by the context or usage of such terms. Such terms do not mean or include any design professional of the Contractor, Subcontractor, or Owner.

§ 4.1.2 Duties, responsibilities, and limitations of authority of the Architect as set forth in the Contract Documents shall not be restricted, modified, or extended without written consent of the Owner, Contractor, and Architect. Consent shall not be unreasonably withheld.

§ 4.1.3 Subject to the standard of care for applying professional judgment to information used or relied upon, Architect and its Consultants may use and rely upon design elements, technical standards, test results, and all other information ordinarily or customarily furnished or published by others, including, but not limited to, specialty contractors, manufacturers, fabricators, and suppliers.

§ 4.2 Administration of the Contract

§ 4.2.1 The Architect will provide administration of the Contract as described in the Contract Documents and will be an Owner's representative during construction until the date the Architect issues the final Certificate for Payment. The Architect will have authority to act on behalf of the Owner only to the extent provided in the Contract Documents.

§ 4.2.2 The Architect will visit the site ~~at intervals appropriate to the stage of construction, or~~ as ~~otherwise~~ agreed with the Owner, to become generally familiar with the progress and quality of the portion of the Work completed, and to determine in general if the Work observed is being performed in a manner indicating that the Work, when fully completed, will be in ~~accordance~~ general compliance with the Contract Documents. However, the Architect will not be required to make exhaustive or continuous on-site inspections to check the quality or quantity of the Work. The Architect will not have control over, charge of, or responsibility for the construction means, methods, techniques, sequences or procedures, or for the safety precautions and programs in connection with the Work, since these are solely the Contractor's rights and responsibilities under the Contract Documents.

§ 4.2.2.1 The Contractor shall reimburse the Owner for compensation paid to the Architect for additional site visits made necessary by the fault, neglect or request of the Contractor.

§ 4.2.3 On the basis of the site visits, the Architect will keep the Owner reasonably informed about the progress and quality of the portion of the Work completed, and ~~promptly~~ endeavor to report to the Owner (1) known deviations from the Contract Documents, (2) known deviations from the most recent construction schedule submitted by the Contractor, and (3) known defects and deficiencies ~~observed~~ in the Work. The Architect will not be responsible for the Contractor's failure to perform the Work in accordance with the requirements of the Contract Documents. The Architect will not have control over or charge of, and will not be responsible for acts or omissions of, the Contractor, Subcontractors, or their agents or employees, or any other persons or entities performing portions of the Work.

§ 4.2.4 Communications

The Owner and Contractor shall include the Architect in all communications that relate to or affect the Architect's services or professional responsibilities. The Owner shall promptly notify the Architect of the substance of any direct communications between the Owner and the Contractor otherwise relating to the Project. Communications by and with the Architect's consultants shall be through the Architect. Communications by and with Subcontractors and suppliers shall be through the Contractor. Communications by and with Separate Contractors shall be through the Owner. The Contract Documents may specify other communication protocols.

§ 4.2.5 Based on the Architect's evaluations of the Contractor's Applications for Payment, the Architect will review and certify the amounts due the Contractor and will issue Certificates for Payment in such amounts.

§ 4.2.6 The Architect has authority to reject Work that does not conform to the Contract Documents. Whenever the Architect considers it necessary or advisable, the Architect will have authority to require inspection or testing of the Work in accordance with Sections 13.4.2 and 13.4.3, whether or not the Work is fabricated, installed or completed. However, neither this authority of the Architect nor a decision made in good faith either to exercise or not to exercise such authority shall give rise to a duty or responsibility of the Architect to the Contractor, Subcontractors, suppliers, their agents or employees, or other persons or entities performing portions of the Work.

AIA Document A201® – 2017. Copyright © 1911, 1915, 1918, 1925, 1937, 1951, 1958, 1961, 1963, 1966, 1970, 1976, 1987, 1997, 2007 and 2017 by The American Institute of Architects. All rights reserved. The "American Institute of Architects," "AIA," the AIA Logo, "A201," and "AIA Contract Documents" are registered trademarks and may not be used without permission. This document was produced by AIA software at 11:04:23 ET on 02/03/2021 under Order No.8350518117 which expires on 01/10/2022, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail copyright@aia.org.
User Notes: (3B9ADA32)

§ 4.2.7 The Architect will review and ~~approve, or~~ take ~~other~~ appropriate action upon, the Contractor's submittals such as Shop Drawings, Product Data, and Samples, but only for the limited purpose of checking for general conformance with information given and the design concept expressed in the Contract Documents. The Architect's action will be taken ~~in accordance with the submittal schedule approved by the Architect or, in the absence of an approved submittal schedule,~~ with reasonable promptness while allowing sufficient time in the Architect's professional judgment to permit adequate review. Review of such submittals is not conducted for the purpose of determining the accuracy and completeness of ~~other~~ details such as dimensions and quantities, or for substantiating instructions for installation or performance of equipment or systems, all of which remain the responsibility of the ~~Contractor as required by the Contract Documents.~~ Contractor. The Architect's review of the Contractor's submittals shall not relieve the Contractor of the obligations under Sections 3.3, 3.5, and 3.12. The Architect's review shall not constitute ~~approval~~ acceptance of safety precautions or of any construction means, methods, techniques, sequences, or procedures. The Architect's ~~approval~~ acceptance of a specific item shall not indicate ~~approval~~ acceptance of an assembly of which the item is a component.

§ 4.2.8 The Architect will prepare Change Orders and Construction Change Directives, and may order minor changes in the Work as provided in Section 7.4. The Architect will ~~investigate and make determinations and recommendations~~ review and make determinations regarding concealed and unknown conditions as provided in Section 3.7.4.

§ 4.2.9 The Architect will conduct inspections to determine the date or dates of Substantial Completion and the date of final completion; issue Certificates of Substantial Completion pursuant to Section 9.8; receive and forward to the Owner, for the Owner's review and records, written warranties and related documents required by the Contract and assembled by the Contractor pursuant to Section 9.10; and issue a final Certificate for Payment pursuant to Section 9.10.

§ 4.2.10 If the Owner and Architect agree, the Architect will provide one or more Project representatives to assist in carrying out the Architect's responsibilities at the site. The Owner shall notify the Contractor of any change in the duties, responsibilities and limitations of authority of the Project representatives.

§ 4.2.11 The Architect will interpret and decide matters concerning performance under, and requirements of, the Contract Documents on written request of either the Owner or Contractor. The Architect's response to such requests will be made in writing within any time limits agreed upon or otherwise with reasonable promptness.

§ 4.2.12 Interpretations and decisions of the Architect will be consistent with the intent of, and reasonably inferable from, the Contract Documents and will be in writing or in the form of drawings. When making such interpretations and decisions, the Architect will endeavor to secure faithful performance by both Owner and Contractor, will not show partiality to either, and will not be liable for results of interpretations or decisions rendered in good faith.

§ 4.2.13 The Architect's decisions on matters relating to aesthetic effect will be final if consistent with the intent expressed in the Contract Documents.

§ 4.2.14 The Architect will review and respond to requests for information about the Contract Documents. The Architect's response to such requests will be made in writing within any time limits agreed upon or otherwise with reasonable promptness. If appropriate, the Architect will prepare and issue supplemental Drawings and Specifications in response to the requests for information.

ARTICLE 5 SUBCONTRACTORS

§ 5.1 Definitions

§ 5.1.1 A Subcontractor is a person or entity who has a direct contract with the Contractor to perform a portion of the Work at the site. The term "Subcontractor" is referred to throughout the Contract Documents as if singular in number and means a Subcontractor or an authorized representative of the Subcontractor. The term "Subcontractor" does not include a Separate Contractor or the subcontractors of a Separate Contractor.

§ 5.1.2 A Sub-subcontractor is a person or entity who has a direct or indirect contract with a Subcontractor to perform a portion of the Work at the site. The term "Sub-subcontractor" is referred to throughout the Contract Documents as if singular in number and means a Sub-subcontractor or an authorized representative of the Sub-subcontractor.

AIA Document A201® – 2017. Copyright © 1911, 1915, 1918, 1925, 1937, 1951, 1958, 1961, 1963, 1966, 1970, 1976, 1987, 1997, 2007 and 2017 by The American Institute of Architects. All rights reserved. The "American Institute of Architects," "AIA," the AIA Logo, "A201," and "AIA Contract Documents" are registered trademarks and may not be used without permission. This document was produced by AIA software at 11:04:23 ET on 02/03/2021 under Order No.8350518117 which expires on 01/10/2022, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail copyright@aia.org.
User Notes: (3B9ADA32)

§ 5.2 Award of Subcontracts and Other Contracts for Portions of the Work

§ 5.2.1 Unless otherwise stated in the Contract Documents, the Contractor, as soon as practicable after award of the Contract, shall ~~notify~~ submit to the Owner and Architect ~~of~~ the persons or entities proposed for each principal portion of the ~~Work,~~ Work (list of proposed subcontractors), including those who are to furnish materials or equipment fabricated to a special ~~design.~~ design no later than two days prior to the date of the Pre-construction Conference. Include Contractor's License number and Class for each proposed Subcontractor. Within 14 days of receipt of the information, the ~~Architect~~ Owner may notify the Contractor whether the Owner ~~or the Architect~~ (1) has reasonable objection to any such proposed person or entity or (2) requires additional time for review. Failure of the ~~Architect~~ Owner to provide notice within the 14-day period shall constitute notice of no reasonable objection.

§ 5.2.2 The Contractor shall not contract with a proposed person or entity to whom the Owner or Architect has made reasonable and timely objection. The Contractor shall not be required to contract with anyone to whom the Contractor has made reasonable objection.

§ 5.2.3 If the Owner ~~or Architect~~ has reasonable objection to a person or entity proposed by the Contractor, the Contractor shall propose another to whom the Owner ~~or Architect~~ has no reasonable objection. If the proposed but rejected Subcontractor was reasonably capable of performing the Work, the Contract Sum and Contract Time shall be increased or decreased by the difference, if any, occasioned by such change, and an appropriate Change Order shall be issued before commencement of the substitute Subcontractor's Work. However, no increase in the Contract Sum or Contract Time shall be allowed for such change unless the Contractor has acted promptly and responsively in submitting names as required.

§ 5.2.4 The Contractor shall not substitute a Subcontractor, person, or entity for one previously selected if the Owner ~~or Architect~~ makes reasonable objection to such substitution.

§ 5.3 Subcontractual Relations

By appropriate written agreement, the Contractor shall require each Subcontractor, to the extent of the Work to be performed by the Subcontractor, to be bound to the Contractor by terms of the Contract Documents, and to assume toward the Contractor all the obligations and responsibilities, including the responsibility for safety of the Subcontractor's Work that the Contractor, by these Contract Documents, assumes toward the Owner and Architect. Each subcontract agreement shall preserve and protect the rights of the Owner and Architect under the Contract Documents with respect to the Work to be performed by the Subcontractor so that subcontracting thereof will not prejudice such rights, and shall allow to the Subcontractor, unless specifically provided otherwise in the subcontract agreement, the benefit of all rights, remedies, and redress against the Contractor that the Contractor, by the Contract Documents, has against the Owner. Where appropriate, the Contractor shall require each Subcontractor to enter into similar agreements with Sub-subcontractors. The Contractor shall make available to each proposed Subcontractor, prior to the execution of the subcontract agreement, copies of the complete Contract Documents to which the Subcontractor will be bound, and, upon written request of the Subcontractor, identify to the Subcontractor terms and conditions of the proposed subcontract agreement that may be at variance with the Contract Documents. Subcontractors ~~will similarly make copies of applicable portions of such documents available~~ shall similarly make available copies of the complete Contract Documents to their respective proposed Sub-subcontractors.

§ 5.4 Contingent Assignment of Subcontracts

§ 5.4.1 Each subcontract agreement for a portion of the Work is assigned by the Contractor to the Owner, provided that

- **.1** assignment is effective only after termination of the Contract by the Owner for cause pursuant to Section 14.2 and only for those subcontract agreements that the Owner accepts by notifying the Subcontractor and Contractor; and
- **.2** assignment is subject to the prior rights of the surety, if any, obligated under bond relating to the Contract.

When the Owner accepts the assignment of a subcontract agreement, the Owner assumes the Contractor's rights and obligations under the subcontract.

§ 5.4.2 Upon such assignment, if the Work has been suspended for more than 30 days, the Subcontractor's compensation shall be equitably adjusted for increases in cost resulting from the suspension.

AIA Document A201® – 2017. Copyright © 1911, 1915, 1918, 1925, 1937, 1951, 1958, 1961, 1963, 1966, 1970, 1976, 1987, 1997, 2007 and 2017 by The American Institute of Architects. All rights reserved. The "American Institute of Architects," "AIA," the AIA Logo, "A201," and "AIA Contract Documents" are registered trademarks and may not be used without permission. This document was produced by AIA software at 11:04:23 ET on 02/03/2021 under Order No.8350518117 which expires on 01/10/2022, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail copyright@aia.org.
User Notes: (3B9ADA32)

§ 5.4.3 Upon assignment to the Owner under this Section 5.4, the Owner may further assign the subcontract to a successor contractor or other entity. If the Owner assigns the subcontract to a successor contractor or other entity, the Owner shall nevertheless remain legally responsible for all of the successor contractor's obligations under the subcontract.

ARTICLE 6 CONSTRUCTION BY OWNER OR BY SEPARATE CONTRACTORS

§ 6.1 Owner's Right to Perform Construction and to Award Separate Contracts

§ 6.1.1 The term "Separate Contractor(s)" shall mean other contractors retained by the Owner under separate agreements. The Owner reserves the right to perform construction or operations related to the Project with the Owner's own forces, and with Separate Contractors retained under Conditions of the Contract substantially similar to those of this Contract, including those provisions of the Conditions of the Contract related to insurance and waiver of subrogation.

§ 6.1.2 When separate contracts are awarded for different portions of the Project or other construction or operations on the site, the term "Contractor" in the Contract Documents in each case shall mean the Contractor who executes each separate Owner-Contractor Agreement.

§ 6.1.3 The Owner shall provide for coordination of the activities of the Owner's own forces and of each Separate Contractor with the Work of the Contractor, who shall cooperate with them. The Contractor shall participate with any Separate Contractors and the Owner in reviewing their construction schedules. The Contractor shall make any revisions to its construction schedule deemed necessary after a joint review and mutual agreement. The construction schedules shall then constitute the schedules to be used by the Contractor, Separate Contractors, and the Owner until subsequently revised.

§ 6.1.4 Unless otherwise provided in the Contract Documents, when the Owner performs construction or operations related to the Project with the Owner's own forces or with Separate Contractors, the Owner or its Separate Contractors shall have the same obligations and rights that the Contractor has under the Conditions of the Contract, including, without excluding others, those stated in Article 3, this Article 6, and Articles 10, 11, and 12.

§ 6.2 Mutual Responsibility

§ 6.2.1 The Contractor shall afford the Owner and Separate Contractors reasonable opportunity for introduction and storage of their materials and equipment and performance of their activities, and shall connect and coordinate the Contractor's construction and operations with theirs as required by the Contract Documents.

§ 6.2.2 If part of the Contractor's Work depends for proper execution or results upon construction or operations by the Owner or a Separate Contractor, the Contractor shall, prior to proceeding with that portion of the Work, promptly notify the Owner and Architect of apparent discrepancies or defects in the construction or operations by the Owner or Separate Contractor that would render it unsuitable for proper execution and results of the Contractor's Work. Failure of the Contractor to notify the Owner and Architect of apparent discrepancies or defects prior to proceeding with the Work shall constitute an acknowledgment that the Owner's or Separate Contractor's completed or partially completed construction is fit and proper to receive the Contractor's Work. The Contractor shall not be responsible for discrepancies or defects in the construction or operations by the Owner or Separate Contractor that are not apparent.

§ 6.2.3 The Contractor shall reimburse the Owner for costs the Owner incurs that are payable to a Separate Contractor because of the Contractor's delays, improperly timed activities or defective construction. The Owner shall be responsible to the Contractor for costs the Contractor incurs because of a Separate Contractor's delays, improperly timed activities, damage to the Work or defective construction.

§ 6.2.4 The Contractor shall promptly remedy damage that the Contractor wrongfully causes to completed or partially completed construction or to property of the Owner or Separate Contractor as provided in Section 10.2.5.

§ 6.2.5 The Owner and each Separate Contractor shall have the same responsibilities for cutting and patching as are described for the Contractor in Section 3.14.

AIA Document A201® – 2017. Copyright © 1911, 1915, 1918, 1925, 1937, 1951, 1958, 1961, 1963, 1966, 1970, 1976, 1987, 1997, 2007 and 2017 by The American Institute of Architects. All rights reserved. The "American Institute of Architects," "AIA," the AIA Logo, "A201," and "AIA Contract Documents" are registered trademarks and may not be used without permission. This document was produced by AIA software at 11:04:23 ET on 02/03/2021 under Order No.8350518117 which expires on 01/10/2022, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail copyright@aia.org.
User Notes: (3B9ADA32)

§ 6.3 Owner's Right to Clean Up

If a dispute arises among the Contractor, Separate Contractors, and the Owner as to the responsibility under their respective contracts for maintaining the premises and surrounding area free from waste materials and rubbish, the Owner may clean up and the Architect will allocate the cost among those ~~responsible.~~responsible between the Owner, Separate Contractors, and Contractor.

ARTICLE 7 CHANGES IN THE WORK

§ 7.1 General

§ 7.1.1 Changes in the Work may be accomplished after execution of the Contract, and without invalidating the Contract, by Change Order, Construction Change Directive or order for a minor change in the Work, subject to the limitations stated in this Article 7 and elsewhere in the Contract Documents.

~~**§ 7.1.2** A Change Order shall be based upon agreement among the Owner, Contractor, and Architect. A Construction Change Directive requires agreement by the Owner and Architect and may or may not be agreed to by the Contractor. An order for a minor change in the Work may be issued by the Architect alone.~~

~~**§ 7.1.3** Changes in the Work shall be performed under applicable provisions of the Contract Documents. The Contractor shall proceed promptly with changes in the Work, unless otherwise provided in the Change Order, Construction Change Directive, or order for a minor change in the Work.~~

~~**§ 7.2 Change Orders**~~

~~**§ 7.2.1**~~ **7.1.1.1** A Change Order is a written instrument prepared by the Architect and signed by the Owner, Contractor, and Architect stating their agreement upon all of the following:

- **.1** The change in the Work;
- **.2** The amount of the adjustment, if any, in the Contract Sum; and
- **.3** The extent of the adjustment, if any, in the Contract Time.

§ ~~7.3 Construction Change Directives~~**7.1.1.2** A Construction Change

~~**§ 7.3.1**~~ Directive shall be used in the absence of total agreement on the terms of a Change Order. A Construction Change Directive is a written order prepared by the Architect and signed by the Owner and Architect, directing a change in the Work prior to agreement on adjustment, if any, in the Contract Sum or Contract Time, or both. The Owner may by Construction Change Directive, without invalidating the Contract, order changes in the Work within the general scope of the Contract consisting of additions, deletions, or other revisions, the Contract Sum and Contract Time being adjusted accordingly.

~~**§ 7.3.2** A Construction Change Directive shall be used in the absence of total agreement on the terms of a Change Order.~~

~~**§ 7.3.3**~~ **7.1.1.2.1** If the Construction Change Directive provides for an adjustment to the Contract Sum, the adjustment shall be based on one of the following methods:

- **.1** Mutual acceptance of a lump sum properly itemized and supported by sufficient substantiating data to permit evaluation;
- **.2** Unit prices stated in the Contract Documents or subsequently agreed upon;
- **.3** Cost to be determined in a manner agreed upon by the parties and a mutually acceptable fixed or percentage fee; or
- **.4** As provided in Section ~~7.3.4.~~7.2.

§ 7.1.1.2.2 Upon receipt of a Construction Change Directive, the Contractor shall promptly proceed with the change in the Work involved and advise the Architect of the Contractor's agreement or disagreement with the method, if any, provided in the Construction Change Directive for determining the proposed adjustment in the Contract Sum or Contract Time.

§ 7.1.1.2.3 A Construction Change Directive signed by the Contractor indicates the Contractor's agreement therewith, including adjustment in Contract Sum and Contract Time or the method for determining them. Such agreement shall be effective immediately and shall be recorded as a Change Order.

AIA Document A201® – 2017. Copyright © 1911, 1915, 1918, 1925, 1937, 1951, 1958, 1961, 1963, 1966, 1970, 1976, 1987, 1997, 2007 and 2017 by The American Institute of Architects. All rights reserved. The "American Institute of Architects," "AIA," the AIA Logo, "A201," and "AIA Contract Documents" are registered trademarks and may not be used without permission. This document was produced by AIA software at 11:04:23 ET on 02/03/2021 under Order No.8350518117 which expires on 01/10/2022, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail copyright@aia.org.
User Notes: (3B9ADA32)

§ 7.1.1.2.4 Pending final determination of the total cost of a Construction Change Directive to the Owner, the Contractor may request payment for Work completed under the Construction Change Directive in Applications for Payment. The Architect will make an interim determination for purposes of monthly certification for payment for those costs and certify for payment the amount that the Architect determines, in the Architect's professional opinion, to be reasonably justified. The Architect's interim determination of cost shall adjust the Contract Sum on the same basis as a Change Order, subject to the right of either party to disagree and assert a Claim in accordance with Article 15.

§ 7.1.2 A Change Order shall be based upon agreement among the Owner, Contractor, and Architect. A Construction Change Directive requires agreement by the Owner and Architect and may or may not be agreed to by the Contractor. An order for a minor change in the Work may be issued by the Architect alone.

§ ~~7.3.4~~ 7.1.3 Changes in the Work shall be performed under applicable provisions of the Contract Documents. The Contractor shall proceed promptly with changes in the Work, unless otherwise provided in the Change Order, Construction Change Directive, or order for a minor change in the Work.

7.2 If a change in the Work results in an adjustment to the Contract Sum, the adjustment (increase or decrease) shall be based on the following, unless noted otherwise:

- **.1** Material quantities and unit prices (separated into trades; include sales tax).
- **.2** Labor costs (raw cost).
- **.3** Labor burden, applied to labor only, including but not limited to, worker's compensation and public liability, social security tax, old age and unemployment insurance, union welfare fund and fringe benefits. Contractor shall be required to substantiate the labor burden percentage applied to any change in contract amount. Labor burden percentage shall not exceed 30% in any case.
- **.4** Construction equipment cost.
- **.5** Overhead and profit combined (on Claims for net increase only), as defined in Section 7.3.11.
- **.6** Cost of Premiums for Bonds (for Contractor only). Evidence of additional premium for bond shall be submitted with Claim.
- **.7** Extended Overhead Costs (if applicable) which shall be established by pro-rating the value of supervision, temporary facility, and General Conditions and all other direct and indirect costs of Contractor included in the Contract Sum over the number of days included in the Contract Time.

§ 7.2.1 If the Contractor does not respond promptly or disagrees with the method for adjustment in the Contract Sum, the Architect shall determine the adjustment on the basis of reasonable expenditures and savings of those performing the Work attributable to the change, including, in case of an increase in the Contract Sum, an amount for overhead and profit as set forth in the Agreement, or if no such amount is set ~~forth in the Agreement,~~ forth, a reasonable amount. In such case, and also under Section ~~7.3.3.3,~~ 7.1.1.2.1.3, the Contractor shall keep and present, in such form as the Architect may prescribe, an itemized accounting together with appropriate supporting ~~data. Unless otherwise provided in the Contract Documents, costs for the purposes of this Section 7.3.4 shall be limited to the following:~~ data which shall include, at the Architect's sole discretion, a cost breakdown itemized in accordance with the current appropriate Data Book and edition of R. S. Means Company, Inc., or other source of construction industry cost data acceptable to the Architect.

- **.1** ~~Costs of labor, including applicable payroll taxes, fringe benefits required by agreement or custom, workers' compensation insurance, and other employee costs approved by the Architect;~~Overhead shall include, but not be limited to, project management, field office personnel including supervision, superintendence, wages of timekeepers, watchmen and clerks, small tools, incidentals, general office expenses, insurance premiums, and all other expenses not included in "costs."
- **.2** ~~Costs of materials, supplies, and equipment, including cost of transportation, whether incorporated or consumed;~~If the net value of the change results in a credit, the credit given shall be the net cost without overhead or profit (for Contractor, Subcontractor, or
  - ~~**.3** Rental costs of machinery and equipment, exclusive of hand tools, whether rented from the Contractor or others;~~Sub-subcontractor). The cost as used herein shall include all items of labor, materials, equipment,
  - ~~**.4** Costs of~~ premiums ~~for all bonds~~ and ~~insurance, permit fees, and sales, use, or similar taxes, directly related to the change; and~~
  - ~~**.5** Costs of supervision and field office personnel directly attributable to the change.~~bonds.

AIA Document A201® – 2017. Copyright © 1911, 1915, 1918, 1925, 1937, 1951, 1958, 1961, 1963, 1966, 1970, 1976, 1987, 1997, 2007 and 2017 by The American Institute of Architects. All rights reserved. The "American Institute of Architects," "AIA," the AIA Logo, "A201," and "AIA Contract Documents" are registered trademarks and may not be used without permission. This document was produced by AIA software at 11:04:23 ET on 02/03/2021 under Order No.8350518117 which expires on 01/10/2022, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail copyright@aia.org.
User Notes: (3B9ADA32)

§ ~~7.3.5~~ 7.2.2 If the Contractor disagrees with the adjustment in the Contract Time, the Contractor may make a Claim in accordance with applicable provisions of Article 15.

~~§ 7.3.6 Upon receipt of a Construction Change Directive, the Contractor shall promptly proceed with the change in the Work involved and advise the Architect of the Contractor's agreement or disagreement with the method, if any, provided in the Construction Change Directive for determining the proposed adjustment in the Contract Sum or Contract Time.~~

~~§ 7.3.7 A Construction Change Directive signed by the Contractor indicates the Contractor's agreement therewith, including adjustment in Contract Sum and Contract Time or the method for determining them. Such agreement shall be effective immediately and shall be recorded as a Change Order.~~

~~§ 7.3.8~~ 7.2.3 The amount of credit to be allowed by the Contractor to the Owner for a deletion or change that results in a net decrease in the Contract Sum shall be actual net cost as confirmed by the Architect. When both additions and credits covering related Work or substitutions are involved in a change, the allowance for overhead and profit shall be figured on the basis of net increase, if any, with respect to that change.

~~§ 7.3.9 Pending final determination of the total cost of a Construction Change Directive to the Owner, the Contractor may request payment for Work completed under the Construction Change Directive in Applications for Payment. The Architect will make an interim determination for purposes of monthly certification for payment for those costs and certify for payment the amount that the Architect determines, in the Architect's professional judgment, to be reasonably justified. The Architect's interim determination of cost shall adjust the Contract Sum on the same basis as a Change Order, subject to the right of either party to disagree and assert a Claim in accordance with Article 15.~~

~~§ 7.3.10~~ 7.2.4 When the Owner and Contractor agree with a determination made by the Architect concerning the adjustments in the Contract Sum and Contract Time, or otherwise reach agreement upon the adjustments, such agreement shall be effective immediately and the Architect will prepare a Change Order. Change Orders may be issued for all or any part of a Construction Change Directive.

~~§ 7.4 Minor Changes in the~~ 7.3. In Sections 7.2 and 7.2.1, the amount for overhead and profit combined, included in the total cost to the Owner, shall be based on the following schedule:

.1 for the Contractor, for Work performed by the Contractor's own forces, 15 percent of the cost.

~~The Architect may order minor changes in the~~ **.2** for the Contractor, for Work performed by the Contractor's Subcontractors, 5 percent of the amount due the Subcontractors.

.3 for each Subcontractor involved, for Work ~~that are consistent with~~ performed by that Subcontractor's own forces, 15 percent of the cost.

~~the intent of the Contract Documents~~ **.4** for each Subcontractor involved, for Work performed by the Subcontractor's Sub-subcontractor, 5 percent of the amount due the Sub-subcontractor.

~~and do not involve an adjustment in the Contract Sum or an extension~~ **.5** cost to which overhead and profit is to be applied shall be determined in accordance with Section 7.2.

~~of the Contract Time. The Architect's order for minor changes shall be in writing. If the Contractor believes that the proposed minor change~~ **.6** In order to facilitate checking of quotations for extras or credits, all proposals, except those so minor that their propriety can be seen by inspection, shall be accompanied by a complete itemization of costs in the manner prescribed above. Where major cost items are changes to Subcontracts, they shall be itemized also. In no case will a change involving over $500.00 be approved without such itemization.

~~in the Workwill affect the Contract Sum or Contract Time, the Contractor shall notify the Architect and shall not proceed to implement the change in the Work. If the Contractor performs the Work set forth in the Architect's order for a minor change without prior notice to the Architect that such change will affect the Contract Sum or Contract Time, the Contractor waives any adjustment to the Contract Sum or extension of the Contract Time.~~§ 7.4 Minor Changes in the WorkThe Architect has authority to order minor changes in the Work not involving adjustment in the Contract Sum or extension of the Contract Time and not inconsistent with the intent of the Contract Documents. Such changes will be effected by written order signed by the Architect and shall be binding on the Owner and Contractor.

AIA Document A201® – 2017. Copyright © 1911, 1915, 1918, 1925, 1937, 1951, 1958, 1961, 1963, 1966, 1970, 1976, 1987, 1997, 2007 and 2017 by The American Institute of Architects. All rights reserved. The "American Institute of Architects," "AIA," the AIA Logo, "A201," and "AIA Contract Documents" are registered trademarks and may not be used without permission. This document was produced by AIA software at 11:04:23 ET on 02/03/2021 under Order No.8350518117 which expires on 01/10/2022, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail copyright@aia.org.
User Notes: (3B9ADA32)

ARTICLE 8 TIME

§ 8.1 Definitions

§ 8.1.1 Unless otherwise provided, Contract Time is the period of time, including authorized adjustments, allotted in the Contract Documents for Substantial Completion of the Work.

§ 8.1.2 The date of commencement of the Work is the date established in the Agreement.

§ 8.1.3 The date of Substantial Completion is the date certified by the Architect in accordance with Section 9.8.

§ 8.1.4 The term "day" as used in the Contract Documents shall mean calendar day unless otherwise specifically defined.

§ 8.2 Progress and Completion

§ 8.2.1 Time limits stated in the Contract Documents are of the essence of the Contract. By executing the Agreement, the Contractor confirms that the Contract Time is a reasonable period for performing the Work.

§ 8.2.2 The Contractor shall not knowingly, except by agreement or instruction of the Owner in writing, commence the Work prior to the effective date of insurance required to be furnished by the Contractor and Owner.

§ 8.2.3 The Contractor shall proceed expeditiously with adequate forces and shall achieve Substantial Completion within the Contract Time.

§ 8.3 Delays and Extensions of Time

§ 8.3.1 If the Contractor is delayed at any time in the commencement or progress of the Work by (1) an act or neglect of the Owner or Architect, of an employee of either, or of a Separate Contractor; (2) by changes ordered in the Work; (3) by labor disputes, fire, ~~unusual delay in deliveries,~~ unavoidable casualties, adverse weather conditions documented in accordance with Section 15.1.6.2, or other causes beyond the Contractor's control; (4) by delay authorized by the Owner pending mediation and binding dispute resolution; or (5) by other causes that the Contractor asserts, and the Architect determines, justify delay, then the Contract Time shall be extended for such reasonable time as the Architect may ~~determine.~~determine and the Owner approves.

§ 8.3.2 Claims relating to time shall be made in accordance with applicable provisions of Article 15.

§ 8.3.3 This Section 8.3 does not preclude recovery of damages for delay by either party under other provisions of the Contract Documents.

ARTICLE 9 PAYMENTS AND COMPLETION

§ 9.1 Contract Sum

§ 9.1.1 The Contract Sum is stated in the Agreement and, including authorized adjustments, is the total amount payable by the Owner to the Contractor for performance of the Work under the Contract Documents.

§ 9.1.2 If unit prices are stated in the Contract Documents or subsequently agreed upon, and if quantities originally contemplated are materially changed so that application of such unit prices to the actual quantities causes substantial inequity to the Owner or Contractor, the applicable unit prices shall be equitably adjusted.

§ 9.2 Schedule of Values

Where the Contract is based on a stipulated sum or Guaranteed Maximum Price, the Contractor shall submit a schedule of values to the Architect before the first Application for Payment, allocating the entire Contract Sum to the various portions of the Work. The schedule of values shall be prepared in the form, and supported by the data to substantiate its accuracy, required by the Architect. This schedule, unless objected to by the Architect, shall be used as a basis for reviewing the Contractor's Applications for Payment. Any changes to the schedule of values shall be submitted to the Architect and supported by such data to substantiate its accuracy as the Architect may require, and unless objected to by the Architect, shall be used as a basis for reviewing the Contractor's subsequent Applications for Payment.

AIA Document A201® – 2017. Copyright © 1911, 1915, 1918, 1925, 1937, 1951, 1958, 1961, 1963, 1966, 1970, 1976, 1987, 1997, 2007 and 2017 by The American Institute of Architects. All rights reserved. The "American Institute of Architects," "AIA," the AIA Logo, "A201," and "AIA Contract Documents" are registered trademarks and may not be used without permission. This document was produced by AIA software at 11:04:23 ET on 02/03/2021 under Order No.8350518117 which expires on 01/10/2022, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail copyright@aia.org.
User Notes: (3B9ADA32)

§ 9.3 Applications for Payment

§ 9.3.1 At least ten days before the date established for each progress payment, the Contractor shall submit to the Architect an itemized Application for Payment prepared in accordance with the schedule of values, if required under Section 9.2, for completed portions of the Work. The application shall be notarized, if required, and supported by all data substantiating the Contractor's right to payment that the Owner or Architect require, such as copies of requisitions, and releases and waivers of liens from Subcontractors and suppliers, and shall reflect retainage if provided for in the Contract Documents.

§ 9.3.1.1 As provided in Section ~~7.3.9,~~ 7.1.1.2.4, such applications may include requests for payment on account of changes in the Work that have been properly authorized by Construction Change Directives, or by interim determinations of the Architect, but not yet included in Change Orders.

§ 9.3.1.2 Applications for Payment shall not include requests for payment for portions of the Work for which the Contractor does not intend to pay a Subcontractor or supplier, unless such Work has been performed by others whom the Contractor intends to pay.

§ 9.3.1.3 Until final completion, the Owner will pay 95% of the amount due the Contractor on account of progress payments.

§ 9.3.2 Unless otherwise provided in the Contract Documents, payments shall be made on account of materials and equipment delivered and suitably stored at the site for subsequent incorporation in the Work. If approved in advance by the Owner, payment may similarly be made for materials and equipment suitably stored off the site at a location agreed upon in writing. Payment for materials and equipment stored on or off the site shall be conditioned upon compliance by the Contractor with procedures satisfactory to the Owner to establish the Owner's title to such materials and equipment or otherwise protect the Owner's interest, and shall include the costs of applicable insurance, storage, and transportation to the site, for such materials and equipment stored off the site.

§ 9.3.2.1 Contractor shall provide invoices, package slips, or other form of supporting data for materials stored on-site claimed on the progress payment, unless it can be verified through on-site observations. Maintain concise bill of materials and label materials stored on-site for ready identification and verification.

§ 9.3.3 The Contractor warrants that title to all Work covered by an Application for Payment will pass to the Owner no later than the time of payment. The Contractor further warrants that upon submittal of an Application for Payment all Work for which Certificates for Payment have been previously issued and payments received from the Owner shall, to the best of the Contractor's knowledge, information, and belief, be free and clear of liens, claims, security interests, or encumbrances, in favor of the Contractor, Subcontractors, suppliers, or other persons or entities that provided labor, materials, and equipment relating to the Work.

§ 9.4 Certificates for Payment

§ 9.4.1 The Architect will, unless otherwise agreed upon, within seven working days after receipt of the Contractor's Application for Payment, either (1) issue to the Owner a Certificate for Payment in the full amount of the Application for Payment, with a copy to the Contractor; or (2) issue to the Owner a Certificate for Payment for such amount as the Architect determines is properly due, and notify the Contractor and Owner of the Architect's reasons for withholding certification in part as provided in Section 9.5.1; or (3) withhold certification of the entire Application for Payment, and notify the Contractor and Owner of the Architect's reason for withholding certification in whole as provided in Section 9.5.1.

§ 9.4.2 The issuance of a Certificate for Payment will constitute a representation by the Architect to the Owner, based on the Architect's evaluation of the Work and the data in the Application for Payment, that, to the best of the Architect's knowledge, information, and belief, the Work has progressed to the point indicated, the quality of the Work is in ~~accordance~~ general conformance with the Contract Documents, and that the Contractor is entitled to payment in the amount certified. The foregoing representations are subject to an evaluation of the Work for general conformance with the Contract Documents upon Substantial Completion, to results of subsequent tests and inspections, to correction of minor deviations from the Contract Documents prior to completion, and to specific qualifications expressed by the Architect. However, the issuance of a Certificate for Payment ~~will not be~~ is not a representation that the Architect has (1) made exhaustive or continuous on-site inspections to check the quality or quantity of the Work; (2) reviewed construction means, methods, techniques, sequences, or procedures; (3) reviewed

AIA Document A201® – 2017. Copyright © 1911, 1915, 1918, 1925, 1937, 1951, 1958, 1961, 1963, 1966, 1970, 1976, 1987, 1997, 2007 and 2017 by The American Institute of Architects. All rights reserved. The "American Institute of Architects," "AIA," the AIA Logo, "A201," and "AIA Contract Documents" are registered trademarks and may not be used without permission. This document was produced by AIA software at 11:04:23 ET on 02/03/2021 under Order No.8350518117 which expires on 01/10/2022, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail copyright@aia.org.
User Notes: (3B9ADA32)

copies of requisitions received from Subcontractors and suppliers and other data requested by the Owner to substantiate the Contractor's right to payment; or (4) made examination to ascertain how or for what purpose the Contractor has used money previously paid on account of the Contract Sum.

§ 9.5 Decisions to Withhold Certification

§ 9.5.1 The Architect may withhold a Certificate for Payment in whole or in part, to the extent reasonably necessary to protect the Owner, if in the Architect's opinion the representations to the Owner required by Section 9.4.2 cannot be made. If the Architect is unable to certify payment in the amount of the Application, the Architect will notify the Contractor and Owner as provided in Section 9.4.1. If the Contractor and Architect cannot agree on a revised amount, the Architect will promptly issue a Certificate for Payment for the amount for which the Architect is able to make such representations to the Owner. The Architect may also withhold a Certificate for Payment or, because of subsequently discovered evidence, may nullify the whole or a part of a Certificate for Payment previously issued, to such extent as may be necessary in the Architect's opinion to protect the Owner from loss for which the Contractor is responsible, including loss resulting from acts and omissions described in Section 3.3.2, because of

- **.1** defective Work not remedied;
- **.2** third party claims filed or reasonable evidence indicating probable filing of such claims, unless security acceptable to the Owner is provided by the Contractor;
- **.3** failure of the Contractor to make payments properly to Subcontractors or suppliers for labor, materials or equipment;
- **.4** reasonable evidence that the Work cannot be completed for the unpaid balance of the Contract Sum;
- **.5** damage to the Owner or a Separate Contractor;
- **.6** reasonable evidence that the Work will not be completed within the Contract Time, and that the unpaid balance would not be adequate to cover actual or liquidated damages for the anticipated delay; or
- **.7** repeated failure to carry out the Work in accordance with the Contract Documents.

§ 9.5.2 When either party disputes the Architect's decision regarding a Certificate for Payment under Section 9.5.1, in whole or in part, that party may submit a Claim in accordance with Article 15.

§ 9.5.3 When the reasons for withholding certification are removed, certification will be made for amounts previously withheld.

§ 9.5.4 If the Architect withholds certification for payment under Section 9.5.1.3, the Owner may, at its sole option, issue joint checks to the Contractor and to any Subcontractor or supplier to whom the Contractor failed to make payment for Work properly performed or material or equipment suitably delivered. If the Owner makes payments by joint check, the Owner shall notify the Architect and the Contractor shall reflect such payment on its next Application for Payment.

§ 9.6 Progress Payments

§ 9.6.1 After the Architect has issued a Certificate for Payment, the Owner shall make payment in the manner and within the time provided in the Contract Documents, and shall so notify the Architect.

§ 9.6.1.1 The Owner may withhold payments to the Contractor notwithstanding the Architect's certification if it is necessary, in the Owner's opinion, to do so to protect the Owner from loss due to any of the reasons set forth in Sections 9.5.1.1 through 9.5.1.7.

9.6.2 Payment of Subcontractors

§ 9.6.2.1 The Contractor shall pay each Subcontractor, no later than seven working days after receipt of payment from the Owner, the amount to which the Subcontractor is entitled, reflecting percentages actually retained from payments to the Contractor on account of the Subcontractor's portion of the Work. The Contractor shall, by appropriate agreement with each Subcontractor, require each Subcontractor to make payments to Sub-subcontractors in a similar manner.

9.6.2.2 Within seven (7) working days after receipt of amounts paid to the Contractor by the Owner for Work performed under this Agreement, the Contractor shall do one of the following:

- **a.** Pay each Subcontractor for the proportional share of the total payment received from the Owner attributable to the Work performed by the respective Subcontractor under This Agreement; or
- **b.** Notify the Owner and Architect, and Subcontractor, in writing, of the Contractor's intention to withhold all

AIA Document A201® – 2017. Copyright © 1911, 1915, 1918, 1925, 1937, 1951, 1958, 1961, 1963, 1966, 1970, 1976, 1987, 1997, 2007 and 2017 by The American Institute of Architects. All rights reserved. The "American Institute of Architects," "AIA," the AIA Logo, "A201," and "AIA Contract Documents" are registered trademarks and may not be used without permission. This document was produced by AIA software at 11:04:23 ET on 02/03/2021 under Order No.8350518117 which expires on 01/10/2022, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail copyright@aia.org.
User Notes: (3B9ADA32)

or part of the Subcontractor's payment with the reason for nonpayment.

9.6.2.3 The Contractor shall pay interest to each Subcontractor on all amounts owed by the Contractor that remain unpaid after seven (7) days following receipt by the Contractor of payment from the Owner for Work performed by the affected Subcontractor under this Agreement, except for amounts withheld as allowed in Section 9.6.8.1. Unless otherwise provided under the terms of this Agreement, for purposes solely of these prompt payment provisions, interest shall accrue at the rate of one percent (1%) per month.

9.6.2.4 In each Subcontract, the Contractor shall include a provision requiring each Subcontractor to include or otherwise be subject to the same payment and interest requirements with respect to each lower-tier Subcontractor (Sub-Subcontractor).

9.6.2.5 The Contractor's obligation to pay interest to a Subcontractor pursuant to the prompt payment provisions is not an obligation of the Owner, and no modification shall be made to this Agreement and no cost reimbursements claim shall be made for the purpose of providing reimbursement by Owner for such interest charge.

§ 9.6.3 The Architect will, on request, furnish to a Subcontractor, if practicable, information regarding percentages of completion or amounts applied for by the Contractor and action taken thereon by the Architect and Owner on account of portions of the Work done by such Subcontractor.

§ 9.6.4 The Owner has the right to request written evidence from the Contractor that the Contractor has properly paid Subcontractors and suppliers amounts paid by the Owner to the Contractor for subcontracted Work. If the Contractor fails to furnish such evidence within seven days, the Owner shall have the right to contact Subcontractors and suppliers to ascertain whether they have been properly paid. Neither the Owner nor Architect shall have an obligation to pay, or to see to the payment of money to, a Subcontractor or supplier, except as may otherwise be required by law.

§ 9.6.5 The Contractor's payments to suppliers shall be treated in a manner similar to that provided in Sections 9.6.2, 9.6.3 and 9.6.4.

§ 9.6.6 A Certificate for Payment, a progress payment, or partial or entire use or occupancy of the Project by the Owner shall not constitute acceptance of Work not in accordance with the Contract Documents.

§ 9.6.7 Unless the Contractor provides the Owner with a payment bond in the full penal sum of the Contract Sum, payments received by the Contractor for Work properly performed by Subcontractors or provided by suppliers shall be held by the Contractor for those Subcontractors or suppliers who performed Work or furnished materials, or both, under contract with the Contractor for which payment was made by the Owner. Nothing contained herein shall require money to be placed in a separate account and not commingled with money of the Contractor, create any fiduciary liability or tort liability on the part of the Contractor for breach of trust, or entitle any person or entity to an award of punitive damages against the Contractor for breach of the requirements of this provision.

§ 9.6.8 Provided the Owner has fulfilled its payment obligations under the Contract Documents, the Contractor shall defend and indemnify the Owner from all loss, liability, damage or expense, including reasonable attorney's fees and litigation expenses, arising out of any lien claim or other claim for payment by any Subcontractor or supplier of any tier. Upon receipt of notice of a lien claim or other claim for payment, the Owner shall notify the Contractor. If approved by the applicable court, when required, the Contractor may substitute a surety bond for the property against which the lien or other claim for payment has been asserted.

§ 9.7 Failure of Payment

~~If~~ If, unless otherwise agreed upon, the Architect does not issue a Certificate for Payment, through no fault of the Contractor, within seven working days after receipt of the Contractor's Application for Payment, or if the Owner does not pay the Contractor within seven working days after the date established in the Contract Documents, the amount certified by the Architect or awarded by binding dispute resolution, then the Contractor may, upon seven additional working days' notice to the Owner and Architect, stop the Work until payment of the amount owing has been received. The Contract Time shall be extended appropriately and the Contract Sum shall be increased by the amount of the Contractor's reasonable costs of shutdown, delay and start-up, plus interest as provided for in the Contract Documents.

AIA Document A201® – 2017. Copyright © 1911, 1915, 1918, 1925, 1937, 1951, 1958, 1961, 1963, 1966, 1970, 1976, 1987, 1997, 2007 and 2017 by The American Institute of Architects. All rights reserved. The "American Institute of Architects," "AIA," the AIA Logo, "A201," and "AIA Contract Documents" are registered trademarks and may not be used without permission. This document was produced by AIA software at 11:04:23 ET on 02/03/2021 under Order No.8350518117 which expires on 01/10/2022, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail copyright@aia.org.
User Notes: (3B9ADA32)

§ 9.8 Substantial Completion

§ 9.8.1 Substantial Completion is the stage ~~in the progress of the Work~~ when the Work or designated portion thereof is sufficiently complete in accordance with the Contract Documents so that the Owner can fully occupy or utilize the Work ~~for its intended use.~~or designated portion thereof, for its intended use with all of the Work's parts and systems operable as required by the Contract Documents. Only incidental cleaning, if required beyond cleaning needed for the Owner's full occupancy or utilization, may remain for final completion.

§ 9.8.2 When the Contractor considers that the Work, or a portion thereof which the Owner agrees to accept separately, is substantially complete, the Contractor shall prepare and submit to the Architect a comprehensive list of items to be completed or ~~corrected prior to final payment.~~ corrected. Failure to include an item on such list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents.

§ 9.8.3 Upon receipt of the Contractor's list, the Architect will make an inspection to determine whether the Work or designated portion thereof is substantially complete. If the ~~Architect's inspection~~ Architect discloses any item, whether or not included on the Contractor's list, which is not sufficiently complete in accordance with the Contract Documents so that the Owner can occupy or utilize the Work or designated portion thereof for its intended use, the Contractor shall, before issuance of the Certificate of Substantial Completion, complete or correct such item upon notification by the Architect. In such case, the Contractor shall then submit a request for another inspection by the Architect to determine Substantial Completion.

9.8.3.1 The Architect will provide no more than two (2) inspections to determine whether the Work or a designated portion thereof has attained Substantial Completion in accordance with the Contract Documents. The Owner shall deduct from the Contract Sum amounts paid to the Architect for any additional inspections.

§ 9.8.4 When the Work or designated portion thereof is substantially complete, the Architect will prepare a Certificate of Substantial Completion that shall establish the date of Substantial Completion; establish responsibilities of the Owner and Contractor for security, maintenance, heat, utilities, damage to the Work and insurance; and fix the time within which the Contractor shall finish all items on the list accompanying the Certificate. Warranties required by the Contract Documents shall commence on the date of Substantial Completion of the Work or designated portion thereof unless otherwise provided in the Certificate of Substantial Completion.

§ 9.8.5 The Certificate of Substantial Completion shall be submitted to the Owner and Contractor for their written acceptance of responsibilities assigned to them in the Certificate. Upon such acceptance, and consent of surety if any, the Owner shall make payment of retainage applying to the Work or designated portion thereof. Such payment shall be adjusted for Work that is incomplete or not in accordance with the requirements of the Contract Documents.

§ 9.9 Partial Occupancy or Use

§ 9.9.1 The Owner may occupy or use any completed or partially completed portion of the Work at any stage when such portion is designated by separate agreement with the Contractor, provided such occupancy or use is consented to by the insurer and authorized by public authorities having jurisdiction over the Project. Such partial occupancy or use may commence whether or not the portion is substantially complete, provided the Owner and Contractor have accepted in writing the responsibilities assigned to each of them for payments, retainage, if any, security, maintenance, heat, utilities, damage to the Work and insurance, and have agreed in writing concerning the period for correction of the Work and commencement of warranties required by the Contract Documents. When the Contractor considers a portion substantially complete, the Contractor shall prepare and submit a list to the Architect as provided under Section 9.8.2. Consent of the Contractor to partial occupancy or use shall not be unreasonably withheld. The stage of the progress of the Work shall be determined by written agreement between the Owner and Contractor or, if no agreement is reached, by decision of the Architect.

§ 9.9.2 Immediately prior to such partial occupancy or use, the Owner, Contractor, and Architect shall jointly ~~inspect~~ review the area to be occupied or portion of the Work to be used in order to determine and record the condition of the Work.

§ 9.9.3 Unless otherwise agreed upon, partial occupancy or use of a portion or portions of the Work shall not constitute acceptance of Work not complying with the requirements of the Contract Documents.

AIA Document A201® – 2017. Copyright © 1911, 1915, 1918, 1925, 1937, 1951, 1958, 1961, 1963, 1966, 1970, 1976, 1987, 1997, 2007 and 2017 by The American Institute of Architects. All rights reserved. The "American Institute of Architects," "AIA," the AIA Logo, "A201," and "AIA Contract Documents" are registered trademarks and may not be used without permission. This document was produced by AIA software at 11:04:23 ET on 02/03/2021 under Order No.8350518117 which expires on 01/10/2022, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail copyright@aia.org.
User Notes: (3B9ADA32)

§ 9.10 Final Completion and Final Payment

§ 9.10.1 Upon receipt of the Contractor's notice that the Work is ready for final inspection and acceptance and upon receipt of a final Application for Payment, the Architect will promptly make such inspection. When the Architect finds the Work acceptable under the Contract Documents and the Contract fully performed, the Architect will promptly issue a final Certificate for Payment stating that to the best of the Architect's knowledge, information and belief, and on the basis of the Architect's on-site visits and inspections, the Work has been completed in ~~accordance~~ general compliance with the Contract Documents and that the entire balance found to be due the Contractor and noted in the final Certificate is due and payable. The Architect's final Certificate for Payment will constitute a further representation that conditions listed in Section 9.10.2 as precedent to the Contractor's being entitled to final payment have been fulfilled.

9.10.1.1 The Architect will provide no more than one (1) inspection to determine whether the Work or a designated portion thereof has attained final completion in accordance with the Contract Documents. The Owner shall deduct from the Contract Sum amounts paid to the Architect for any additional inspections.

§ 9.10.2 Neither final payment nor any remaining retained percentage shall become due until the Contractor submits to the Architect for the record (1) an affidavit that payrolls, bills for materials and equipment, and other indebtedness connected with the Work for which the Owner or the Owner's property might be responsible or encumbered (less amounts withheld by Owner) have been paid or otherwise satisfied, (2) a certificate evidencing that insurance required by the Contract Documents to remain in force after final payment is currently in effect, (3) a written statement that the Contractor knows of no reason that the insurance will not be renewable to cover the period required by the Contract Documents, (4) consent of surety, if any, to final payment, (5) documentation of any special warranties, such as manufacturers' warranties or specific Subcontractor warranties, and (6) if required by the Owner, other data establishing payment or satisfaction of obligations, such as receipts and releases and waivers of liens, claims, security interests, or encumbrances arising out of the Contract, to the extent and in such form as may be designated by the Owner. If a Subcontractor refuses to furnish a release or waiver required by the Owner, the Contractor may furnish a bond satisfactory to the Owner to indemnify the Owner against such lien, claim, security interest, or encumbrance. If a lien, claim, security interest, or encumbrance remains unsatisfied after payments are made, the Contractor shall refund to the Owner all money that the Owner may be compelled to pay in discharging the lien, claim, security interest, or encumbrance, including all costs and reasonable attorneys' fees.

§ 9.10.3 If, after Substantial Completion of the Work, final completion thereof is materially delayed through no fault of the Contractor or by issuance of Change Orders affecting final completion, and the Architect so confirms, the Owner shall, upon application by the Contractor and certification by the Architect, and without terminating the Contract, make payment of the balance due for that portion of the Work fully completed, corrected, and accepted. If the remaining balance for Work not fully completed or corrected is less than retainage stipulated in the Contract Documents, and if bonds have been furnished, the written consent of the surety to payment of the balance due for that portion of the Work fully completed and accepted shall be submitted by the Contractor to the Architect prior to certification of such payment. Such payment shall be made under terms and conditions governing final payment, except that it shall not constitute a waiver of Claims.

§ 9.10.4 The making of final payment shall constitute a waiver of Claims by the Owner except those arising from

- **.1** liens, Claims, security interests, or encumbrances arising out of the Contract and unsettled;
- **.2** failure of the Work to comply with the requirements of the Contract Documents;
- **.3** terms of special warranties required by the Contract Documents; or
- **.4** audits performed by the Owner, if permitted by the Contract Documents, after final payment.

§ 9.10.5 Acceptance of final payment by the Contractor, a Subcontractor, or a supplier, shall constitute a waiver of claims by that payee except those previously made in writing and identified by that payee as unsettled at the time of final Application for Payment.

9.11 LIQUIDATED DAMAGES

9.11.1 The Contractor, and the Contractor's surety shall be liable for and shall pay the Owner the sums stipulated on the Bid Form, if any, as liquidated damages for each calendar day of delay after the date established for Substantial Completion in the Contract Documents until the Work is substantially complete.

9.11.2 The Owner has established this amount as the proper measure of liquidated damages which the Owner will

AIA Document A201® – 2017. Copyright © 1911, 1915, 1918, 1925, 1937, 1951, 1958, 1961, 1963, 1966, 1970, 1976, 1987, 1997, 2007 and 2017 by The American Institute of Architects. All rights reserved. The "American Institute of Architects," "AIA," the AIA Logo, "A201," and "AIA Contract Documents" are registered trademarks and may not be used without permission. This document was produced by AIA software at 11:04:23 ET on 02/03/2021 under Order No.8350518117 which expires on 01/10/2022, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail copyright@aia.org.
User Notes: (3B9ADA32)

sustain per day by the failure of the Contractor to substantially complete the Work at the stipulated time and it is not to be construed in any sense as a penalty.

9.11.3 In addition to Liquidated Damages, the Contractor shall pay to the Owner the cost of extended architectural and engineering (including Architect's on-site representative(s), if any, on-site) services rendered beginning at 61 days from the date of Substantial Completion required by the Contract, as adjusted if applicable, and continuously until final completion is achieved.

ARTICLE 10 PROTECTION OF PERSONS AND PROPERTY

§ 10.1 Safety Precautions and Programs

The Contractor shall be responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the performance of the Contract.

§ 10.2 Safety of Persons and Property

§ 10.2.1 The Contractor shall take reasonable precautions for safety of, and shall provide reasonable protection to prevent damage, injury, or loss to

- **.1** employees on the Work and other persons who may be affected thereby;
- **.2** the Work and materials and equipment to be incorporated therein, whether in storage on or off the site, under care, custody, or control of the Contractor, a Subcontractor, or a Sub-subcontractor; and
- **.3** other property at the site or adjacent thereto, such as trees, shrubs, lawns, walks, pavements, roadways, structures, and utilities not designated for removal, relocation, or replacement in the course of construction.

§ 10.2.2 The Contractor shall comply with, and give notices required by applicable laws, statutes, ordinances, codes, rules and regulations, and lawful orders of public authorities, bearing on safety of persons or property or their protection from damage, injury, or loss.

§ 10.2.3 The Contractor shall implement, erect, and maintain, as required by existing conditions and performance of the Contract, reasonable safeguards for safety and protection, including posting danger signs and other warnings against hazards; promulgating safety regulations; and notifying the owners and users of adjacent sites and utilities of the safeguards.

§ 10.2.4 When use or storage of explosives or other hazardous materials or equipment, or unusual methods are necessary for execution of the Work, the Contractor shall exercise utmost care and carry on such activities under supervision of properly qualified personnel.

§ 10.2.5 The Contractor shall promptly remedy damage and loss (other than damage or loss insured under property insurance required by the Contract Documents) to property referred to in Sections 10.2.1.2 and 10.2.1.3 caused in whole or in part by the Contractor, a Subcontractor, a Sub-subcontractor, or anyone directly or indirectly employed by any of them, or by anyone for whose acts they may be liable and for which the Contractor is responsible under Sections 10.2.1.2 and 10.2.1.3. The Contractor may make a Claim for the cost to remedy the damage or loss to the extent such damage or loss is attributable to acts or omissions of the Owner or Architect or anyone directly or indirectly employed by either of them, or by anyone for whose acts either of them may be liable, and not attributable to the fault or negligence of the Contractor. The foregoing obligations of the Contractor are in addition to the Contractor's obligations under Section 3.18.

§ 10.2.6 The Contractor shall designate a responsible member of the Contractor's organization at the site whose duty shall be the prevention of accidents. This person shall be the Contractor's superintendent unless otherwise designated by the Contractor in writing to the ~~Owner and Architect.~~Owner.

§ 10.2.7 The Contractor shall not permit any part of the construction or site to be loaded so as to cause damage or create an unsafe condition.

§ 10.2.8 Injury or Damage to Person or Property

If either party suffers injury or damage to person or property because of an act or omission of the other party, or of others for whose acts such party is legally responsible, notice of the injury or damage, whether or not insured, shall be given to the other party within a reasonable time not exceeding 21 days after discovery. The notice shall provide sufficient detail to enable the other party to investigate the matter.

AIA Document A201® – 2017. Copyright © 1911, 1915, 1918, 1925, 1937, 1951, 1958, 1961, 1963, 1966, 1970, 1976, 1987, 1997, 2007 and 2017 by The American Institute of Architects. All rights reserved. The "American Institute of Architects," "AIA," the AIA Logo, "A201," and "AIA Contract Documents" are registered trademarks and may not be used without permission. This document was produced by AIA software at 11:04:23 ET on 02/03/2021 under Order No.8350518117 which expires on 01/10/2022, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail copyright@aia.org.
User Notes: (3B9ADA32)

§ 10.3 Hazardous Materials and Substances

§ 10.3.1 The Contractor is responsible for compliance with any requirements included in the Contract Documents regarding hazardous materials or substances. If the Contractor encounters a hazardous material or substance not addressed in the Contract Documents and if reasonable precautions will be inadequate to prevent foreseeable bodily injury or death to persons resulting from a material or substance, including but not limited to asbestos or polychlorinated biphenyl (PCB), encountered on the site by the Contractor, the Contractor shall, upon recognizing the condition, immediately stop Work in the affected area and notify the Owner and Architect of the condition.

§ 10.3.2 Upon receipt of the Contractor's notice, the Owner ~~shall~~ may obtain the services of a licensed laboratory to verify the presence or absence of the material or substance reported by the Contractor and, in the event such material or substance is found to be present, to cause it to be rendered harmless. Unless otherwise required by the Contract Documents, the Owner shall furnish in writing to the Contractor ~~and Architect~~ the names and qualifications of persons or entities who are to perform tests verifying the presence or absence of the material or substance or who are to perform the task of removal or safe containment of the material or substance. The Contractor ~~and the Architect~~ will promptly reply to the Owner in writing stating whether or not either has reasonable objection to the persons or entities proposed by the Owner. If ~~either~~ the Contractor ~~or Architect~~ has an objection to a person or entity proposed by the Owner, the Owner shall propose another to whom the Contractor ~~and the Architect have~~ has no reasonable objection. When the material or substance has been rendered harmless, Work in the affected area shall resume upon written agreement of the Owner and Contractor. By Change Order, the Contract Time shall be extended appropriately and the Contract Sum shall be increased by the amount of the Contractor's reasonable additional costs of shutdown, delay, and start-up.

~~**§ 10.3.3** To the fullest extent permitted by law, the Owner shall indemnify and hold harmless the Contractor, Subcontractors, Architect, Architect's consultants, and agents and employees of any of them from and against claims, damages, losses, and expenses, including but not limited to attorneys' fees, arising out of or resulting from performance of the Work in the affected area if in fact the material or substance presents the risk of bodily injury or death as described in Section 10.3.1 and has not been rendered harmless, provided that such claim, damage, loss, or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the Work itself), except to the extent that such damage, loss, or expense is due to the fault or negligence of the party seeking indemnity.~~

§ 10.3.4 The Owner shall not be responsible under this Section 10.3 for hazardous materials or substances the Contractor brings to the site unless such materials or substances are required by the Contract Documents. The Owner shall be responsible for hazardous materials or substances required by the Contract Documents, except to the extent of the Contractor's fault or negligence in the use and handling of such materials or substances.

§ 10.3.5 The Contractor shall reimburse the Owner for the cost and expense the Owner incurs (1) for remediation of hazardous materials or substances the Contractor brings to the site and negligently handles, or (2) where the Contractor fails to perform its obligations under Section 10.3.1, except to the extent that the cost and expense are due to the Owner's fault or negligence.

§ 10.3.6 If, without negligence on the part of the Contractor, the Contractor is held liable by a government agency for the cost of remediation of a hazardous material or substance solely by reason of performing Work as required by the Contract Documents, the Owner shall reimburse the Contractor for all cost and expense thereby incurred.

§ 10.4 Emergencies

In an emergency affecting safety of persons or property, the Contractor shall act, at the Contractor's discretion, to prevent threatened damage, injury, or loss. Additional compensation or extension of time claimed by the Contractor on account of an emergency shall be determined as provided in Article 15 and Article 7.

ARTICLE 11 INSURANCE AND BONDS

§ 11.1 Contractor's Insurance and Bonds

§ 11.1.1 The Contractor shall purchase and maintain insurance of the types and limits of liability, containing the endorsements, and subject to the terms and conditions, as described in the Agreement or elsewhere in the Contract Documents. The Contractor shall purchase and maintain the required insurance from an insurance company or insurance companies lawfully authorized to issue insurance in the jurisdiction where the Project is located. The

AIA Document A201® – 2017. Copyright © 1911, 1915, 1918, 1925, 1937, 1951, 1958, 1961, 1963, 1966, 1970, 1976, 1987, 1997, 2007 and 2017 by The American Institute of Architects. All rights reserved. The "American Institute of Architects," "AIA," the AIA Logo, "A201," and "AIA Contract Documents" are registered trademarks and may not be used without permission. This document was produced by AIA software at 11:04:23 ET on 02/03/2021 under Order No.8350518117 which expires on 01/10/2022, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail copyright@aia.org.
User Notes: (3B9ADA32)

Owner, Architect, and Architect's consultants shall be named as additional insureds under the Contractor's commercial general liability policy or as otherwise described in the Contract Documents.

§ 11.1.2 The Contractor shall provide surety bonds of the types, for such penal sums, and subject to such terms and conditions as required by the Contract Documents. The Contractor shall purchase and maintain the required bonds from a company or companies lawfully authorized to issue surety bonds in the jurisdiction where the Project is located.

§11.1.2.1 In accordance with the requirement of sub-paragraph 11.1.1, the Contractor shall provide the Owner with proof of insurance with minimum limits as follows, before beginning the Work:

Commercial General $1,000,000 Each Occurrence
Liability: $2,000,000 General Aggregate (other than Products/ Completed operations)
$2,000,000 General Liability – Products / Completed Operations
$1,000,000 Personal and Advertising Injury
$ 100,000 Fire Damage Legal Liability

Automobile Liability: $1,000,000 Automobile Liability – Each Accident

Workers Compensation: $100,000 Employer's Liability – Each Employee by Accident
$100,000 Employer's Liability – Each Employee by Disease
$500,000 Policy Limit by Disease

Umbrella Liability: $5,000,000 Each Occurrence/Aggregate

(A) Commercial General Liability, including, but not limited to, Contractual Liability, Products/Completed Operations and Premises and Operations Liability. Coverage must also include, Explosion, Collapse & Underground Coverage (XCU).

(B) Comprehensive Automobile Liability

(C) Workers' Compensation with statutory limits and Employer's Liability Coverage B.

(D) Umbrella or Excess Liability) – Bodily Injury and Property Damage Combined.

§11.1.2.2 Additional Requirements

In addition to the requirements above, the Successful Supplier shall thoroughly review the scope of work that is included and if any of the following are included in the services that will be provided, the additional insurance will be required:

(A.) Builders Risk Coverage
Required if the scope of work includes the ground up construction of a structure. Limit of insurance shall be 100% of the completed value of the structure. For projects for the renovation of an existing structure, The County shall insure the Builder's Risk with the Contractor being responsible for the first $10,000 of any claim.

(B.) Pollution Liability – Limit $1,000,000
Required if the scope of work involves the use (other than in a motor vehicle) or removal of a substance or energy introduced into the environment that potentially has an undesired effect or affects the usefulness of a resource. These include, but are not limited to Asbestos, PCB's, Lead, Mold, and Fuels.

§11.1.2.3 Immediately upon obtaining the policies, the Contractor shall notify the Owner in writing that it has done so and shall provide the Owner with certificates of insurance, in a form acceptable to the Owner, giving the numbers of the policies and the limits thereon.

AIA Document A201® – 2017. Copyright © 1911, 1915, 1918, 1925, 1937, 1951, 1958, 1961, 1963, 1966, 1970, 1976, 1987, 1997, 2007 and 2017 by The American Institute of Architects. All rights reserved. The "American Institute of Architects," "AIA," the AIA Logo, "A201," and "AIA Contract Documents" are registered trademarks and may not be used without permission. This document was produced by AIA software at 11:04:23 ET on 02/03/2021 under Order No.8350518117 which expires on 01/10/2022, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail copyright@aia.org.
User Notes: (3B9ADA32)

§11.1.2.4 The Contractor shall maintain the policies for the duration of the Contract and shall maintain Completed Operations coverage for a period of two (2) years completion of the Contract.

§11.1.2.5 The Contractor shall either (1) require each of its subcontractors to procure and maintain, during the life of its subcontract, subcontractor's Liability Insurance of the same type and in the same amounts as specified in this Article or (2) insure the activities of its subcontractors in its own policy.

§ 11.1.3 Upon the request of any person or entity appearing to be a potential beneficiary of bonds covering payment of obligations arising under the Contract, the Contractor shall promptly furnish a copy of the bonds or shall authorize a copy to be furnished.

§ 11.1.4 Notice of Cancellation or Expiration of Contractor's Required Insurance. Within three (3) ~~business~~ working days of the date the Contractor becomes aware of an impending or actual cancellation or expiration of any insurance required by the Contract Documents, the Contractor shall provide notice to the Owner of such impending or actual cancellation or expiration. Upon receipt of notice from the Contractor, the Owner shall, unless the lapse in coverage arises from an act or omission of the Owner, have the right to stop the Work until the lapse in coverage has been cured by the procurement of replacement coverage by the Contractor. The furnishing of notice by the Contractor shall not relieve the Contractor of any contractual obligation to provide any required coverage.

§ 11.2 Owner's Insurance

§ 11.2.1 The Owner shall purchase and maintain insurance of the types and limits of liability, containing the endorsements, and subject to the terms and conditions, as described in the Agreement or elsewhere in the Contract Documents. The Owner shall purchase and maintain the required insurance from an insurance company or insurance companies lawfully authorized to issue insurance in the jurisdiction where the Project is located.

~~**§ 11.2.2 Failure to Purchase Required Property Insurance.** If the Owner fails to purchase and maintain the required property insurance, with all of the coverages and in the amounts described in the Agreement or elsewhere in the Contract Documents, the Owner shall inform the Contractor in writing prior to commencement of the Work. Upon receipt of notice from the Owner, the Contractor may delay commencement of the Work and may obtain insurance that will protect the interests of the Contractor, Subcontractors, and Sub-Subcontractors in the Work. When the failure to provide coverage has been cured~~ **§ 11.2.2 Property Insurance.** The Contractor shall purchase and maintain, in a company or companies lawfully authorized to do business in the jurisdiction in which the Project is located, property insurance written on a builder's risk "all-risk" or equivalent policy form in the amount of the initial Contract Sum as well as subsequent Contract modifications thereto for the entire Work at the site on a replacement cost basis without optional deductibles. Such property insurance shall be maintained, unless otherwise agreed in writing by all persons and entities who are beneficiaries of such insurance, until final payment has been made as provided in Section 9.10 or until no person or entity other than the Owner has an insurable interest in the property required by this Section 11.3 to be covered, whichever is later. This insurance shall include interests of the Owner, the Contractor, Subcontractors and Sub-subcontractors in the Project.

~~or resolved, the Contract Sum and Contract Time shall be equitably adjusted. In the event the Owner fails to procure coverage, the Owner waives all rights against the Contractor, Subcontractors, and Sub-subcontractors to the extent the loss to the Owner would have been covered by the insurance to have been procured by the Owner. The cost of the insurance shall be charged to the Owner by a Change Order. If the Owner does not provide written notice, and the Contractor is damaged by the failure or neglect of the Owner to purchase or maintain the required insurance, the Owner shall reimburse the Contractor for all reasonable costs and damages attributable thereto.~~ **§ 11.2.3** Property insurance shall be on an "all-risk" or equivalent policy form and shall insure against the perils of fire and extended coverage and physical loss or damage including, without duplication of coverage, theft, vandalism, malicious mischief, collapse, collapse, earthquake, flood, windstorm, false work, testing and startup, temporary buildings, and debris removal, including demolition occasioned by enforcement of any applicable legal requirements, and shall cover reasonable compensation for Architect's services and expenses required as a result of such insured loss. Coverage for other perils shall not be required unless otherwise provided in the Contract Documents.

~~**§ 11.2.3 Notice of Cancellation or Expiration of Owner's Required Property Insurance.** Within three (3) business days of the date the Owner becomes aware of an impending or actual cancellation or expiration of any property insurance required by the Contract Documents, the Owner shall provide notice to the Contractor of such impending or actual cancellation or expiration. Unless the lapse in coverage arises from an act or omission~~ **11.2.4** If the property

AIA Document A201® – 2017. Copyright © 1911, 1915, 1918, 1925, 1937, 1951, 1958, 1961, 1963, 1966, 1970, 1976, 1987, 1997, 2007 and 2017 by The American Institute of Architects. All rights reserved. The "American Institute of Architects," "AIA," the AIA Logo, "A201," and "AIA Contract Documents" are registered trademarks and may not be used without permission. This document was produced by AIA software at 11:04:23 ET on 02/03/2021 under Order No.8350518117 which expires on 01/10/2022, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail copyright@aia.org.
User Notes: (3B9ADA32)

insurance requires minimum deductibles and such deductibles are identified in the Contract Documents, the Contractor shall pay costs not covered because of such deductibles.

~~of the Contractor: (1) the Contractor, upon receipt of notice from the Owner, shall have the right to stop the Work until the lapse in coverage has been cured by the procurement of replacement coverage by either the Owner~~
§ 11.2.5 This property insurance shall cover portions of the Work stored off the site, and also portions of the Work in transit.

~~or the Contractor; (2) the Contract Time and Contract Sum shall be equitably adjusted; and (3) the Owner waives all rights against the Contractor, Subcontractors, and Sub-subcontractors to the extent any loss to the Owner would have been covered by the insurance had it not expired or been cancelled. If the Contractor purchases replacement coverage, the cost of the insurance shall be charged to the Owner by an appropriate Change Order. The furnishing of notice by the Owner shall not relieve the Owner of any contractual obligation to provide required~~ **§ 11.2.6** Partial occupancy or use in accordance with Section 9.9 shall not commence until the insurance company or companies providing property insurance have consented to such partial occupancy or use by endorsement or otherwise. The Owner and the Contractor shall take reasonable steps to obtain consent of the insurance company or companies and shall, without mutual written consent, take no action with respect to partial occupancy or use that would cause cancellation, lapse, or reduction of insurance.

§ 11.3 Waivers of Subrogation

§ 11.3.1 The Owner and Contractor waive all rights against (1) each other and any of their subcontractors, sub-subcontractors, agents, and employees, each of the other; (2) the Architect and Architect's consultants; and (3) Separate Contractors, if any, and any of their subcontractors, sub-subcontractors, agents, and employees, for damages caused by fire, or other causes of loss, to the extent those losses are covered by property insurance required by the Agreement or other property insurance applicable to the Project, except such rights as they have to proceeds of such insurance. The Owner or Contractor, as appropriate, shall require similar written waivers in favor of the individuals and entities identified above from the Architect, Architect's consultants, Separate Contractors, subcontractors, and sub-subcontractors. The policies of insurance purchased and maintained by each person or entity agreeing to waive claims pursuant to this section 11.3.1 shall not prohibit this waiver of subrogation. This waiver of subrogation shall be effective as to a person or entity (1) even though that person or entity would otherwise have a duty of indemnification, contractual or otherwise, (2) even though that person or entity did not pay the insurance premium directly or indirectly, or (3) whether or not the person or entity had an insurable interest in the damaged property.

§ 11.3.2 If during the Project construction period the Owner insures properties, real or personal or both, at or adjacent to the site by property insurance under policies separate from those insuring the Project, or if after final payment property insurance is to be provided on the completed Project through a policy or policies other than those insuring the Project during the construction period, to the extent permissible by such policies, the Owner waives all rights in accordance with the terms of Section 11.3.1 for damages caused by fire or other causes of loss covered by this separate property insurance.

§ 11.4 Loss of Use, Business Interruption, and Delay in Completion Insurance

The Owner, at the Owner's option, may purchase and maintain insurance that will protect the Owner against loss of use of the Owner's property, or the inability to conduct normal operations, due to fire or other causes of loss. The Owner waives all rights of action against the Contractor and Architect for loss of use of the Owner's property, due to fire or other hazards however caused.

§11.5 Adjustment and Settlement of Insured Loss

§ 11.5.1 A loss insured under the property insurance required by the Agreement shall be adjusted by the Owner as fiduciary and made payable to the Owner as fiduciary for the insureds, as their interests may appear, subject to requirements of any applicable mortgagee clause and of Section 11.5.2. The Owner shall pay the Architect and Contractor their just shares of insurance proceeds received by the Owner, and by appropriate agreements the Architect and Contractor shall make payments to their consultants and Subcontractors in similar manner.

§ 11.5.2 Prior to settlement of an insured loss, the Owner shall notify the Contractor of the terms of the proposed settlement as well as the proposed allocation of the insurance proceeds. The Contractor shall have 14 days from receipt of notice to object to the proposed settlement or allocation of the proceeds. If the Contractor does not object,

AIA Document A201® – 2017. Copyright © 1911, 1915, 1918, 1925, 1937, 1951, 1958, 1961, 1963, 1966, 1970, 1976, 1987, 1997, 2007 and 2017 by The American Institute of Architects. All rights reserved. The "American Institute of Architects," "AIA," the AIA Logo, "A201," and "AIA Contract Documents" are registered trademarks and may not be used without permission. This document was produced by AIA software at 11:04:23 ET on 02/03/2021 under Order No.8350518117 which expires on 01/10/2022, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail copyright@aia.org.
User Notes: (3B9ADA32)

the Owner shall settle the loss and the Contractor shall be bound by the settlement and allocation. Upon receipt, the Owner shall deposit the insurance proceeds in a separate account and make the appropriate distributions. Thereafter, if no other agreement is made or the Owner does not terminate the Contract for convenience, the Owner and Contractor shall execute a Change Order for reconstruction of the damaged or destroyed Work in the amount allocated for that purpose. If the Contractor timely objects to either the terms of the proposed settlement or the allocation of the proceeds, the Owner may proceed to settle the insured loss, and any dispute between the Owner and Contractor arising out of the settlement or allocation of the proceeds shall be resolved pursuant to Article 15. Pending resolution of any dispute, the Owner may issue a Construction Change Directive for the reconstruction of the damaged or destroyed Work.

ARTICLE 12 UNCOVERING AND CORRECTION OF WORK

§ 12.1 Uncovering of Work

§ 12.1.1 If a portion of the Work is covered contrary to the Architect's request or to requirements specifically expressed in the Contract Documents, it must, if requested in writing by the Architect, be uncovered for the Architect's ~~examination~~ review and be replaced at the Contractor's expense without change in the Contract Time.

§ 12.1.2 If a portion of the Work has been covered that the Architect has not specifically requested to ~~examine~~ review prior to its being covered, the Architect may request to see such Work and it shall be uncovered by the Contractor. If such Work is in accordance with the Contract Documents, the Contractor shall be entitled to an equitable adjustment to the Contract Sum and Contract Time as may be appropriate. If such Work is not in accordance with the Contract Documents, the costs of uncovering the Work, and the cost of correction, shall be at the Contractor's ~~expense.~~expense without change to the contract time.

§ 12.2 Correction of Work

§ 12.2.1 Before Substantial Completion

The Contractor shall promptly correct Work rejected by the Architect or Owner or failing to conform to the requirements of the Contract Documents, discovered before Substantial Completion and whether or not fabricated, installed or completed. Costs of correcting such rejected Work, including additional testing and inspections, the cost of uncovering and replacement, and compensation for the Architect's services and expenses made necessary thereby, shall be at the Contractor's ~~expense.~~expense without change to the contract time.

§ 12.2.2 After Substantial Completion

§ 12.2.2.1 In addition to the Contractor's obligations under Section 3.5, if, within one year after the date of Substantial Completion of the Work or designated portion thereof or after the date for commencement of warranties established under Section 9.9.1, or by terms of any applicable special warranty required by the Contract Documents, any of the Work is found to be not in accordance with the requirements of the Contract Documents, the Contractor shall correct it promptly after receipt of notice from the Owner to do so, unless the Owner has previously given the Contractor a written acceptance of such condition. The Owner shall give such notice promptly after discovery of the condition. During the one-year period for correction of Work, if the Owner fails to notify the Contractor and give the Contractor an opportunity to make the correction, the Owner waives the rights to require correction by the Contractor and to make a claim for breach of warranty. If the Contractor fails to correct nonconforming Work within a reasonable time during that period after receipt of notice from the Owner or Architect, the Owner may correct it in accordance with Section 2.5.

§ 12.2.2.2 The one-year period for correction of Work shall be extended with respect to portions of Work first performed after Substantial Completion by the period of time between Substantial Completion and the actual completion of that portion of the Work.

§ 12.2.2.3 The one-year period for correction of Work shall not be extended by corrective Work performed by the Contractor pursuant to this Section 12.2.

12.2.2.4 If required by the Owner and the Architect and, upon request by the Owner and prior to the expiration of one year from the date of Substantial Completion, the Architect will conduct and the Contractor shall attend a meeting with the Owner to review the facility operations and performance and the Work.

§ 12.2.3 The Contractor shall remove from the site portions of the Work that are not in accordance with the requirements of the Contract Documents and are neither corrected by the Contractor nor accepted by the Owner.

AIA Document A201® – 2017. Copyright © 1911, 1915, 1918, 1925, 1937, 1951, 1958, 1961, 1963, 1966, 1970, 1976, 1987, 1997, 2007 and 2017 by The American Institute of Architects. All rights reserved. The "American Institute of Architects," "AIA," the AIA Logo, "A201," and "AIA Contract Documents" are registered trademarks and may not be used without permission. This document was produced by AIA software at 11:04:23 ET on 02/03/2021 under Order No.8350518117 which expires on 01/10/2022, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail copyright@aia.org.
User Notes: (3B9ADA32)

§ 12.2.4 The Contractor shall bear the cost of correcting destroyed or damaged construction of the Owner or Separate Contractors, whether completed or partially completed, caused by the Contractor's correction or removal of Work that is not in accordance with the requirements of the Contract Documents.

§ 12.2.5 Nothing contained in this Section 12.2 shall be construed to establish a period of limitation with respect to other obligations the Contractor has under the Contract Documents. Establishment of the one-year period for correction of Work as described in Section 12.2.2 relates only to the specific obligation of the Contractor to correct the Work, and has no relationship to the time within which the obligation to comply with the Contract Documents may be sought to be enforced, nor to the time within which proceedings may be commenced to establish the Contractor's liability with respect to the Contractor's obligations other than specifically to correct the Work.

§ 12.3 Acceptance of Nonconforming Work

If the Owner prefers to accept Work that is not in accordance with the requirements of the Contract Documents, the Owner may do so instead of requiring its removal and correction, in which case the Contract Sum will be reduced as appropriate and equitable. Such adjustment shall be effected whether or not final payment has been made.

ARTICLE 13 MISCELLANEOUS PROVISIONS

§ 13.1 Governing Law

The Contract shall be governed by the law of the place where the Project is ~~located, excluding that jurisdiction's choice of law rules. If the parties have selected arbitration as the method of binding dispute resolution, the Federal Arbitration Act shall govern Section 15.4.~~located.

§ 13.2 Successors and Assigns

§ 13.2.1 The Owner and Contractor respectively bind themselves, their partners, successors, assigns, and legal representatives to covenants, agreements, and obligations contained in the Contract Documents. Except as provided in Section 13.2.2, neither party to the Contract shall assign the Contract as a whole without written consent of the other. If either party attempts to make an assignment without such consent, that party shall nevertheless remain legally responsible for all obligations under the Contract.

§ 13.2.2 The Owner may, without consent of the Contractor, assign the Contract to a lender providing construction financing for the Project, if the lender assumes the Owner's rights and obligations under the Contract Documents. The Contractor shall execute all consents reasonably required to facilitate the assignment.

§ 13.3 Rights and Remedies

§ 13.3.1 Duties and obligations imposed by the Contract Documents and rights and remedies available thereunder shall be in addition to and not a limitation of duties, obligations, rights, and remedies otherwise imposed or available by law.

§ 13.3.2 No action or failure to act by the Owner, Architect, or Contractor shall constitute a waiver of a right or duty afforded them under the Contract, nor shall such action or failure to act constitute approval of or acquiescence in a breach thereunder, except as may be specifically agreed upon in writing.

§ 13.4 Tests and Inspections

§ 13.4.1 Tests, inspections, and approvals of portions of the Work shall be made as required by the Contract Documents and by applicable laws, statutes, ordinances, codes, rules, and regulations or lawful orders of public authorities. Unless otherwise provided, the Contractor shall make arrangements for such tests, inspections, and approvals with an independent testing laboratory or entity acceptable to the Owner, or with the appropriate public authority, and shall bear all related costs of tests, inspections, and approvals. The Contractor shall give the Architect timely notice of when and where tests and inspections are to be made so that the Architect may be present for such procedures. The Owner shall bear costs of tests, inspections, or approvals that do not become requirements until after bids are received or negotiations concluded.~~The Owner shall directly arrange and pay for tests, inspections, or approvals where building codes or applicable laws or regulations so require.~~

§ 13.4.2 If the Architect, Owner, or public authorities having jurisdiction determine that portions of the Work require additional testing, inspection, or approval not included under Section 13.4.1, the Architect will, upon written authorization from the Owner, instruct the Contractor to make arrangements for such additional testing, inspection,

AIA Document A201® – 2017. Copyright © 1911, 1915, 1918, 1925, 1937, 1951, 1958, 1961, 1963, 1966, 1970, 1976, 1987, 1997, 2007 and 2017 by The American Institute of Architects. All rights reserved. The "American Institute of Architects," "AIA," the AIA Logo, "A201," and "AIA Contract Documents" are registered trademarks and may not be used without permission. This document was produced by AIA software at 11:04:23 ET on 02/03/2021 under Order No.8350518117 which expires on 01/10/2022, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail copyright@aia.org.
User Notes: (3B9ADA32)

or approval, by an entity acceptable to the Owner, and the Contractor shall give timely notice to the Architect of when and where tests and inspections are to be made so that the Architect may be present for such procedures. Such costs, except as provided in Section 13.4.3, shall be at the Owner's expense.

§ 13.4.3 If procedures for testing, inspection, or approval under Sections 13.4.1 and 13.4.2 reveal failure of the portions of the Work to comply with requirements established by the Contract Documents, all costs made necessary by such failure, including those of repeated procedures and compensation for the Architect's services and expenses, shall be at the Contractor's ~~expense.~~expense without change to contract time.

§ 13.4.4 Required certificates of testing, inspection, or approval shall, unless otherwise required by the Contract Documents, be secured by the Contractor and ~~promptly delivered~~ submitted to the Architect.

§ 13.4.5 If the Architect is to observe tests, inspections, or approvals required by the Contract Documents, the Architect will do so ~~promptly~~ in a timely manner and, where practicable, at the normal place of testing.

§ 13.4.6 Tests or inspections conducted pursuant to the Contract Documents shall be made promptly to avoid unreasonable delay in the Work.

§ 13.5 Interest

Payments due and unpaid under the Contract Documents shall bear interest from the date payment is due at the rate the parties agree upon in writing or, in the absence thereof, at the legal rate prevailing from time to time at the place where the Project is located.

ARTICLE 14 TERMINATION OR SUSPENSION OF THE CONTRACT

§ 14.1 Termination by the Contractor

§ 14.1.1 The Contractor may terminate the Contract if the Work is stopped for a period of 30 consecutive days through no act or fault of the Contractor, a Subcontractor, a Sub-subcontractor, their agents or employees, or any other persons or entities performing portions of the Work, for any of the following reasons:

- **.1** Issuance of an order of a court or other public authority having jurisdiction that requires all Work to be stopped;
- **.2** An act of government, such as a declaration of national emergency, that requires all Work to be stopped;
- **.3** Because the Architect has not issued a Certificate for Payment and has not notified the Contractor of the reason for withholding certification as provided in Section 9.4.1, or because the Owner has not made payment on a Certificate for Payment within the time stated in the Contract Documents; or
- **.4** The Owner has failed to furnish to the Contractor reasonable evidence as required by Section 2.2.

§ 14.1.2 The Contractor may terminate the Contract if, through no act or fault of the Contractor, a Subcontractor, a Sub-subcontractor, their agents or employees, or any other persons or entities performing portions of the Work, repeated suspensions, delays, or interruptions of the entire Work by the Owner as described in Section 14.3, constitute in the aggregate more than 100 percent of the total number of days scheduled for completion, or 120 days in any 365-day period, whichever is less.

§ 14.1.3 If one of the reasons described in Section 14.1.1 or 14.1.2 exists, the Contractor may, upon seven working days' notice to the Owner and Architect, terminate the Contract and recover from the Owner payment for Work executed, as well as reasonable overhead and profit on Work not executed, and costs incurred by reason of such termination.

§ 14.1.4 If the Work is stopped for a period of 60 consecutive days through no act or fault of the Contractor, a Subcontractor, a Sub-subcontractor, or their agents or employees or any other persons or entities performing portions of the Work because the Owner has repeatedly failed to fulfill the Owner's obligations under the Contract Documents with respect to matters important to the progress of the Work, the Contractor may, upon seven additional working days' notice to the Owner and the Architect, terminate the Contract and recover from the Owner as provided in Section 14.1.3.

§ 14.2 Termination by the Owner for Cause

§ 14.2.1 The Owner may terminate the Contract if the Contractor

AIA Document A201® – 2017. Copyright © 1911, 1915, 1918, 1925, 1937, 1951, 1958, 1961, 1963, 1966, 1970, 1976, 1987, 1997, 2007 and 2017 by The American Institute of Architects. All rights reserved. The "American Institute of Architects," "AIA," the AIA Logo, "A201," and "AIA Contract Documents" are registered trademarks and may not be used without permission. This document was produced by AIA software at 11:04:23 ET on 02/03/2021 under Order No.8350518117 which expires on 01/10/2022, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail copyright@aia.org.
User Notes: (3B9ADA32)

.1 repeatedly refuses or fails to supply enough properly skilled workers or proper materials;
.2 fails to make payment to Subcontractors or suppliers in accordance with the respective agreements between the Contractor and the Subcontractors or ~~suppliers;~~Suppliers;
.3 repeatedly disregards applicable laws, statutes, ordinances, codes, rules and regulations, or lawful orders of a public authority; or
.4 otherwise is guilty of substantial breach of a provision of the Contract Documents.

§ 14.2.2 When any of the reasons described in Section 14.2.1 exist, and upon ~~certification~~ determination by the Architect that sufficient cause exists to justify such action, the Owner may, without prejudice to any other rights or remedies of the Owner and after giving the Contractor and the Contractor's surety, if any, seven days' notice, terminate employment of the Contractor and may, subject to any prior rights of the surety:

.1 Exclude the Contractor from the site and take possession of all materials, equipment, tools, and construction equipment and machinery thereon owned by the Contractor;
.2 Accept assignment of subcontracts pursuant to Section 5.4; and
.3 Finish the Work by whatever reasonable method the Owner may deem expedient. Upon written request of the Contractor, the Owner shall furnish to the Contractor a detailed accounting of the costs incurred by the Owner in finishing the Work.

§ 14.2.3 When the Owner terminates the Contract for one of the reasons stated in Section 14.2.1, the Contractor shall not be entitled to receive further payment until the Work is finished.

§ 14.2.4 If the unpaid balance of the Contract Sum exceeds costs of finishing the Work, including compensation for the Architect's services and expenses made necessary thereby, and other damages incurred by the Owner and not expressly waived, such excess shall be paid to the Contractor. If such costs and damages exceed the unpaid balance, the Contractor shall pay the difference to the Owner. The amount to be paid to the Contractor or Owner, as the case may be, shall be ~~certified~~ determined by the Initial Decision Maker, upon application, and this obligation for payment shall survive termination of the Contract.

§ 14.3 Suspension by the Owner for Convenience

§ 14.3.1 The Owner may, without cause, order the Contractor in writing to suspend, delay or interrupt the Work, in whole or in part for such period of time as the Owner may determine.

§ 14.3.2 The Contract Sum and Contract Time shall be adjusted for increases in the cost and time caused by suspension, delay, or interruption under Section 14.3.1. Adjustment of the Contract Sum shall include profit. No adjustment shall be made to the extent

.1 that performance is, was, or would have been, so suspended, delayed, or interrupted, by another cause for which the Contractor is responsible; or
.2 that an equitable adjustment is made or denied under another provision of the Contract.

§ 14.4 Termination by the Owner for Convenience

§ 14.4.1 The Owner may, at any time, terminate the Contract for the Owner's convenience and without cause.

§ 14.4.2 Upon receipt of notice from the Owner of such termination for the Owner's convenience, the Contractor shall

.1 cease operations as directed by the Owner in the notice;
.2 take actions necessary, or that the Owner may direct, for the protection and preservation of the Work; and
.3 except for Work directed to be performed prior to the effective date of termination stated in the notice, terminate all existing subcontracts and purchase orders and enter into no further subcontracts and purchase orders.

§ 14.4.3 In case of such termination for the Owner's convenience, the Owner shall pay the Contractor for Work properly executed; costs incurred by reason of the termination, including costs attributable to termination of Subcontracts; and the termination fee, if any, set forth in the Agreement.

AIA Document A201® – 2017. Copyright © 1911, 1915, 1918, 1925, 1937, 1951, 1958, 1961, 1963, 1966, 1970, 1976, 1987, 1997, 2007 and 2017 by The American Institute of Architects. All rights reserved. The "American Institute of Architects," "AIA," the AIA Logo, "A201," and "AIA Contract Documents" are registered trademarks and may not be used without permission. This document was produced by AIA software at 11:04:23 ET on 02/03/2021 under Order No.8350518117 which expires on 01/10/2022, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail copyright@aia.org.
User Notes: (3B9ADA32)

ARTICLE 15 CLAIMS AND DISPUTES

§ 15.1 Claims

§ 15.1.1 Definition

A Claim is a demand or assertion by one of the parties seeking, as a matter of right, payment of money, a change in the Contract Time, or other relief with respect to the terms of the Contract. The term "Claim" also includes other disputes and matters in question between the Owner and Contractor arising out of or relating to the Contract. The responsibility to substantiate Claims shall rest with the party making the Claim. This Section 15.1.1 does not require the Owner to file a Claim in order to impose liquidated damages in accordance with the Contract Documents.

§ 15.1.2 Time Limits on Claims

The Owner and Contractor shall commence all Claims and causes of action against the other and arising out of or related to the Contract, whether in contract, tort, breach of warranty or otherwise, in accordance with the requirements of the binding dispute resolution method selected in the Agreement and within the period specified by applicable law, but in any case not more than 10 years after the date of Substantial Completion of the Work. The Owner and Contractor waive all Claims and causes of action not commenced in accordance with this Section 15.1.2.

§ 15.1.3 Notice of Claims

§ 15.1.3.1 Claims by either the Owner or Contractor, where the condition giving rise to the Claim is first discovered prior to expiration of the period for correction of the Work set forth in Section 12.2.2, shall be initiated by notice to the other party and to the Initial Decision Maker with a copy sent to the Architect, if the Architect is not serving as the Initial Decision Maker. Claims by either party under this Section 15.1.3.1 shall be initiated within 21 days after occurrence of the event giving rise to such Claim or within 21 days after the claimant first recognizes the condition giving rise to the Claim, whichever is later.

§ 15.1.3.2 ~~Claims by either the Owner or Contractor, where the condition giving rise to the Claim is first discovered after expiration of the period for correction of the Work set forth in Section 12.2.2, shall be initiated by notice to the other party. In such event, no decision by the Initial Decision Maker is required.~~Claims by either the Owner or Contractor, where the condition giving rise to the Claim is first discovered after expiration of the period for correction of the Work set forth in Section 12.2.2, shall be initiated by notice to the other party. In such event, no decision by the Initial Decision Maker is required.

§ 15.1.4 Continuing Contract Performance

§ 15.1.4.1 Pending final resolution of a Claim, except as otherwise agreed in writing or as provided in Section 9.7 and Article 14, the Contractor shall proceed diligently with performance of the Contract and the Owner shall continue to make payments in accordance with the Contract Documents.

§ 15.1.4.2 The Contract ~~Sum and Contract Time~~ Sum, Contract Time, or both shall be adjusted in accordance with the Initial Decision Maker's decision, subject to the right of either party to proceed in accordance with this Article 15. The Architect will issue Certificates for Payment in accordance with the decision of the Initial Decision Maker.

§ 15.1.5 Claims for Additional Cost

If the Contractor wishes to make a Claim for an increase in the Contract ~~Sum,~~ Sum notice as provided in Section 15.1.3 shall be given before proceeding to execute the portion of the Work that is the subject of the Claim. Prior notice is not required for Claims relating to an emergency endangering life or property arising under Section 10.4.

§ 15.1.6 Claims for Additional Time

§ 15.1.6.1 If the Contractor wishes to make a Claim for an increase in the Contract Time, notice as provided in Section 15.1.3 shall be given. The Contractor's Claim shall include an estimate of cost and of probable effect of delay on progress of the Work. In the case of a continuing delay, only one Claim is necessary.

§ 15.1.6.2 If adverse weather conditions are the basis for a Claim for additional time, such Claim shall be documented by data substantiating that weather conditions were abnormal for the period of time, could not have been reasonably anticipated, and had an adverse effect on the scheduled construction. Time extensions from adverse weather conditions shall not entitle the Contractor to "extended overhead" recovery.

§ 15.1.6.2.1 Weather data utilized to support claims for adverse weather conditions shall be that obtained from the National Oceanic and Atmospheric Administration (NOAA) for the nearest weather station to the Project. Adverse

AIA Document A201® – 2017. Copyright © 1911, 1915, 1918, 1925, 1937, 1951, 1958, 1961, 1963, 1966, 1970, 1976, 1987, 1997, 2007 and 2017 by The American Institute of Architects. All rights reserved. The "American Institute of Architects," "AIA," the AIA Logo, "A201," and "AIA Contract Documents" are registered trademarks and may not be used without permission. This document was produced by AIA software at 11:04:23 ET on 02/03/2021 under Order No.8350518117 which expires on 01/10/2022, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail copyright@aia.org.
User Notes: (3B9ADA32)

weather conditions are defined as measurable precipitation (MP) of 0.1 " or more, or 1.0" or more of snow or ice pellets, or freezing temperature (FT) for a day (24 hours) when the temperature remains at 32 degrees Fahrenheit or below. Only measurable precipitation (MP) or freezing temperature (FT) shall be permitted to be claimed for any one calendar day. Time extensions for adverse weather conditions shall be cumulative over the duration of the Project time and claims shall not be permitted for days for drying out of rain-soaked soil, snow accumulation, or similar weather-related conditions or resulting Project conditions.

.1 The Contractor agrees that it shall not be entitled to a time extension for normal inclement weather (weather conditions other than "adverse weather conditions") which could have been expected at the Project locale due to precipitation or temperature, based upon actual data from the National Oceanic and Atmospheric Administration (NOAA) for the locality closest to the Project for a five-year period preceding the date of the Contract. The Contractor acknowledges and warrants that in making its proposal or bid and Construction Schedule for the Work, it gave due care and consideration to this expected number of calendar days of inclement weather for the locale of the Project and allowed for the impact of normal inclement weather on subsequent Work. During the time of performance, should the expected number of calendar days of normal inclement weather for the locale of the Project be less than originally anticipated by the Contractor and the Owner, at the time of contracting, those days not so affected by normal inclement weather shall be considered float time in the Construction Schedule.

.2 The Contractor agrees that the measure of adverse weather conditions due to MP or FT during the period covered by this Contract shall be the number of days where adverse weather conditions comply with the weather data referenced in subparagraph 15.1.6.2.1.

.3 Extensions of time will be made only for days in which abnormal adverse weather criteria cited in subparagraph 15.1.6.2.1 occur.

.4 If the total calendar days lost due to adverse weather conditions, from the start of the Work at the Project by the Contractor until the principal portions of the Work are enclosed, exceeds the total number of days to be expected to be lost for the same time period, a time extension, if granted, shall only be for the number of calendar days needed to equal the excess number of calendar days lost to such adverse weather conditions.

§ 15.1.7 Waiver of Claims for Consequential Damages

The Contractor and Owner waive Claims against each other for consequential damages arising out of or relating to this Contract. This mutual waiver includes

- **.1** damages incurred by the Owner for rental expenses, for losses of use, income, profit, financing, business and reputation, and for loss of management or employee productivity or of the services of such persons; and
- **.2** damages incurred by the Contractor for principal office expenses including the compensation of personnel stationed there, for losses of financing, business and reputation, and for loss of profit, except anticipated profit arising directly from the Work.

This mutual waiver is applicable, without limitation, to all consequential damages due to either party's termination in accordance with Article 14. Nothing contained in this Section 15.1.7 shall be deemed to preclude assessment of liquidated damages, when applicable, in accordance with the requirements of the Contract Documents.

§ 15.2 Initial Decision

§ 15.2.1 Claims, excluding those where the condition giving rise to the Claim is first discovered after expiration of the period for correction of the Work set forth in Section 12.2.2 or arising under Sections 10.3, 10.4, and 11.5, shall be referred to the Initial Decision Maker for initial decision. The Architect will serve as the Initial Decision Maker, unless otherwise indicated in the Agreement. Except for those Claims excluded by this Section 15.2.1, an initial decision shall be required as a condition precedent to mediation of any Claim. If an initial decision has not been rendered within 30 working days after the Claim has been referred to the Initial Decision Maker, subject to Section 15.2.6 the party asserting the Claim may demand mediation ~~and binding dispute resolution~~ without a decision having been rendered. ~~Unless the Initial Decision Maker and all affected parties agree, the~~ The Initial Decision Maker will not decide disputes between the Contractor and persons or entities other than the Owner.

§ 15.2.2 The Initial Decision Maker will review Claims and within ten working days of the receipt of a Claim take one or more of the following actions: (1) request additional supporting data from the claimant or a response with

AIA Document A201® – 2017. Copyright © 1911, 1915, 1918, 1925, 1937, 1951, 1958, 1961, 1963, 1966, 1970, 1976, 1987, 1997, 2007 and 2017 by The American Institute of Architects. All rights reserved. The "American Institute of Architects," "AIA," the AIA Logo, "A201," and "AIA Contract Documents" are registered trademarks and may not be used without permission. This document was produced by AIA software at 11:04:23 ET on 02/03/2021 under Order No.8350518117 which expires on 01/10/2022, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail copyright@aia.org.
User Notes: (3B9ADA32)

supporting data from the other party, (2) reject the Claim in whole or in part, (3) approve the Claim, (4) suggest a compromise, or (5) advise the parties that the Initial Decision Maker is unable to resolve the Claim if the Initial Decision Maker lacks sufficient information to evaluate the merits of the Claim or if the Initial Decision Maker concludes that, in the Initial Decision Maker's sole discretion, it would be inappropriate for the Initial Decision Maker to resolve the Claim.

§ 15.2.3 In evaluating Claims, the Initial Decision Maker may, but shall not be obligated to, consult with or seek information from either party or from persons with special knowledge or expertise who may assist the Initial Decision Maker in rendering a decision. The Initial Decision Maker may request the Owner to authorize retention of such persons at the Owner's expense.

§ 15.2.4 If the Initial Decision Maker requests a party to provide a response to a Claim or to furnish additional supporting data, such party shall respond, within ten working days after receipt of the request, and shall either (1) provide a response on the requested supporting data, (2) advise the Initial Decision Maker when the response or supporting data will be furnished, or (3) advise the Initial Decision Maker that no supporting data will be furnished. Upon receipt of the response or supporting data, if any, the Initial Decision Maker will either reject or approve the Claim in whole or in part.

§ 15.2.5 The Initial Decision Maker will render an initial decision approving or rejecting the Claim, or indicating that the Initial Decision Maker is unable to resolve the Claim. This initial decision shall (1) be in writing; (2) state the reasons therefor; and (3) notify the parties and the Architect, if the Architect is not serving as the Initial Decision Maker, of any change in the Contract Sum or Contract Time or both. The initial decision shall be final and binding on the parties but subject to mediation and, if the parties fail to resolve their dispute through mediation, to binding dispute resolution.

§ 15.2.6 Either party may file for mediation ~~of an initial decision~~ at any time, subject to the terms of Section 15.2.6.1.

§ 15.2.6.1 ~~Either party may, within 30 days from the date of receipt of an initial decision, demand in writing that the other party file for mediation. If such a demand is made and the party receiving the demand fails to file for mediation within 30 days after receipt thereof, then both parties waive their rights to mediate or pursue binding dispute resolution proceedings with respect to the initial decision.~~Either party may, within 30 working days from the date of receipt of an initial decision, or if no decision has been rendered in accordance with Section 15.2.1, demand in writing that the other party file for mediation. If such a demand is made and the party receiving the demand fails to file for mediation within 30 working days after receipt thereof, then both parties waive their rights to mediate or pursue binding dispute resolution proceedings with respect to the initial decision.

§ 15.2.7 In the event of a Claim against the Contractor, the Owner may, but is not obligated to, notify the surety, if any, of the nature and amount of the Claim. If the Claim relates to a possibility of a Contractor's default, the Owner may, but is not obligated to, notify the surety and request the surety's assistance in resolving the controversy.

§ 15.2.8 If a Claim relates to or is the subject of a mechanic's lien, the party asserting such Claim may proceed in accordance with applicable law to comply with the lien notice or filing deadlines.

§ 15.3 Mediation

§ 15.3.1 Claims, disputes, or other matters in controversy arising out of or related to the Contract, except those waived as provided for in Sections 9.10.4, 9.10.5, and 15.1.7, shall be subject to mediation as a condition precedent to binding dispute resolution.

§ 15.3.2 The parties shall endeavor to resolve their Claims by mediation which, unless the parties mutually agree otherwise, shall be administered by the American Arbitration Association in accordance with its Construction Industry Mediation Procedures in effect on the date of the Agreement. A request for mediation shall be made in writing, delivered to the other party to the Contract, and filed with the person or entity administering the mediation. The request may be made concurrently with the filing of binding dispute resolution proceedings but, in such event, mediation shall proceed in advance of binding dispute resolution proceedings, which shall be stayed pending mediation for a period of 60 working days from the date of filing, unless stayed for a longer period by agreement of the parties or court ~~order. If an arbitration is stayed pursuant to this Section 15.3.2, the parties may nonetheless proceed to the selection of the arbitrator(s) and agree upon a schedule for later proceedings.~~order..

AIA Document A201® – 2017. Copyright © 1911, 1915, 1918, 1925, 1937, 1951, 1958, 1961, 1963, 1966, 1970, 1976, 1987, 1997, 2007 and 2017 by The American Institute of Architects. All rights reserved. The "American Institute of Architects," "AIA," the AIA Logo, "A201," and "AIA Contract Documents" are registered trademarks and may not be used without permission. This document was produced by AIA software at 11:04:23 ET on 02/03/2021 under Order No.8350518117 which expires on 01/10/2022, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail copyright@aia.org.
User Notes: (3B9ADA32)

§ 15.3.3 Either party may, within 30 working days from the date that mediation has been concluded without resolution of the dispute or 60 working days after mediation has been demanded without resolution of the dispute, demand in writing that the other party file for binding dispute resolution. If such a demand is made and the party receiving the demand fails to file for binding dispute resolution within 60 working days after written receipt thereof, then both parties waive their rights to binding dispute resolution proceedings with respect to the initial decision.

§ 15.3.4 The parties shall share the mediator's fee and any filing fees equally. The mediation shall be held in the place where the Project is located, unless another location is mutually agreed upon. Agreements reached in mediation shall be enforceable as settlement agreements in any court having jurisdiction thereof.

~~**§ 15.4 Arbitration**~~

~~**§ 15.4.1** If the parties have selected arbitration as the method for binding dispute resolution in the Agreement, any Claim subject to, but not resolved by, mediation shall be subject to arbitration which, unless the parties mutually agree otherwise, shall be administered by the American Arbitration Association in accordance with its Construction Industry Arbitration Rules in effect on the date of the Agreement. The Arbitration shall be conducted in the place where the Project is located, unless another location is mutually agreed upon. A demand for arbitration shall be made in writing, delivered to the other party to the Contract, and filed with the person or entity administering the arbitration. The party filing a notice of demand for arbitration must assert in the demand all Claims then known to that party on which arbitration is permitted to be demanded.~~

~~**§ 15.4.1.1** A demand for arbitration shall be made no earlier than concurrently with the filing of a request for mediation, but in no event shall it be made after the date when the institution of legal or equitable proceedings based on the Claim would be barred by the applicable statute of limitations. For statute of limitations purposes, receipt of a written demand for arbitration by the person or entity administering the arbitration shall constitute the institution of legal or equitable proceedings based on the Claim.~~

~~**§ 15.4.2** The award rendered by the arbitrator or arbitrators shall be final, and judgment may be entered upon it in accordance with applicable law in any court having jurisdiction thereof.~~

~~**§ 15.4.3** The foregoing agreement to arbitrate and other agreements to arbitrate with an additional person or entity duly consented to by parties to the Agreement, shall be specifically enforceable under applicable law in any court having jurisdiction thereof.~~

~~**§ 15.4.4 Consolidation or Joinder**~~

~~**§ 15.4.4.1** Subject to the rules of the American Arbitration Association or other applicable arbitration rules, either party may consolidate an arbitration conducted under this Agreement with any other arbitration to which it is a party provided that (1) the arbitration agreement governing the other arbitration permits consolidation, (2) the arbitrations to be consolidated substantially involve common questions of law or fact, and (3) the arbitrations employ materially similar procedural rules and methods for selecting arbitrator(s).~~

~~**§ 15.4.4.2** Subject to the rules of the American Arbitration Association or other applicable arbitration rules, either party may include by joinder persons or entities substantially involved in a common question of law or fact whose presence is required if complete relief is to be accorded in arbitration, provided that the party sought to be joined consents in writing to such joinder. Consent to arbitration involving an additional person or entity shall not constitute consent to arbitration of any claim, dispute or other matter in question not described in the written consent.~~

~~**§ 15.4.4.3** The Owner and Contractor grant to any person or entity made a party to an arbitration conducted under this Section 15.4, whether by joinder or consolidation, the same rights of joinder and consolidation as those of the Owner and Contractor under this Agreement.~~

AIA Document A201® – 2017. Copyright © 1911, 1915, 1918, 1925, 1937, 1951, 1958, 1961, 1963, 1966, 1970, 1976, 1987, 1997, 2007 and 2017 by The American Institute of Architects. All rights reserved. The "American Institute of Architects," "AIA," the AIA Logo, "A201," and "AIA Contract Documents" are registered trademarks and may not be used without permission. This document was produced by AIA software at 11:04:23 ET on 02/03/2021 under Order No.8350518117 which expires on 01/10/2022, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail copyright@aia.org.
User Notes: (3B9ADA32)

Certification of Document's Authenticity

AIA® Document D401™ – 2003

I, , hereby certify, to the best of my knowledge, information and belief, that I created the attached final document simultaneously with this certification 11:04:23 ET on 02/03/2021 under Order No. 8350518117 from AIA Contract Documents software and that in preparing the attached final document I made no changes to the original text of AIA® Document A201™ - 2017, General Conditions of the Contract for Construction, as published by the AIA in its software, other than changes shown in the attached final document by underscoring added text and striking over deleted text.

_____

(Signed)

_____

(Title)

_____

(Dated)

AIA Document D401™ – 2003. Copyright © 1992 and 2003 by The American Institute of Architects. All rights reserved. The "American Institute of Architects," "AIA," the AIA Logo, and "AIA Contract Documents" are registered trademarks and may not be used without permission. This document was produced by AIA software at 11:04:23 ET on 02/03/2021 under Order No.8350518117 which expires on 01/10/2022, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail copyright@aia.org.
User Notes: (3B9ADA32)

SECTION 01 2110 – SITEWORK ALLOWANCES **(*AD 01)**

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. The provisions of the Contract Documents apply to the work of this Section.

1.2 SUMMARY

A. This Section specifies administrative and procedural requirements regarding allowances associated with sitework.

B. This Section includes the following unit price allowances:
1. Additional Excavation, **backfill with imported structural fill**
2. Additional Excavation, **backfill with screenings (VDOT #10)**
3. Additional Excavation in Trenches
4. Additional Excavation at Footings
5. Chemical Augmentation with Lime
6. Subsurface Drain UD-4 and Camera Verification
7. VDOT Std. No.21B Stone
8. VDOT Std. No. 57 Stone
9. Woven Geotextile Fabric

C. This Section includes the following lump-sum allowances:
1. Firelane Striping and Signage

PART 2 - PRODUCTS

Not Applicable

PART 3 – EXECUTION

3.1 SCHEDULE OF UNIT PRICE ALLOWANCES

A. Additional Excavation, **backfill with imported structural fill**
1. Provide on the Bid Form an allowance of 5,000 c.y. for excavation of material, where authorized or directed, below or in addition to the levels required for the Work. Dispose of excavated material off-site in a legal manner. Backfill with imported structural fill material compacted per specifications. Credit or additions to the Contract Price for actual quantities removed and replaced (based on volume of material cut) shall be made per the Unit Prices contained in the Bid Form. Include in the unit price the cost of quantity verification by a Surveyor Licensed in the Commonwealth of Virginia.

B. **Additional Excavation, backfill with screenings (VDOT #10)**

1. **Provide on the Bid Form an allowance of 5,000 c.y. for excavation of material, where authorized or directed, below or in addition to the levels required for the Work. Dispose of excavated material off-site in a legal manner. Backfill with screenings (VDOT #10) compacted per specifications. Credit or additions to the Contract Price for actual quantities removed and replaced (based on volume of material cut) shall be made per the Unit Prices contained in the Bid Form. Include in the unit price the cost of quantity verification by a Surveyor Licensed in the Commonwealth of Virginia.**

C. Additional Excavation in Trenches

1. Provide on the Bid Form an allowance of 1,000 c.y. for excavation of material in trenches and footings, where authorized or directed, below or in addition to the levels required for the Work. Dispose of excavated material off-site in a legal manner. Backfill with stone compacted per specifications. Credit or additions to the Contract Price for actual quantities removed and replaced (based on volume of material cut) shall be made per the Unit Prices contained in the Bid Form. Include in the unit price the cost of quantity verification by a Surveyor Licensed in the Commonwealth of Virginia.

D. Additional Excavation at Footings

1. Provide on the Bid Form an allowance of ~~750~~ **1,500** c.y. for excavation of material in trenches and footings, where authorized or directed, below or in addition to the levels required for the Work. Dispose of excavated material off-site in a legal manner. Backfill with **VDOT #57** stone compacted per specifications. Credit or additions to the Contract Price for actual quantities removed and replaced (based on volume of material cut) shall be made per the Unit Prices contained in the Bid Form. Include in the unit price the cost of quantity verification by a Surveyor Licensed in the Commonwealth of Virginia. Any required lowering of footings will be done as a negotiated price.

E. Chemical Augmentation with Lime (Tons)

1. Provide on the Bid Form the cost of ~~1,000~~ **1,500** tons of lime, meeting the requirements of AASHTO M-216. When standard means of drying soils are proven unsuccessful and with authorization from Architect, augment soils with the appropriate amount of lime. Lime mixing shall be in accordance with the section 306e of the 2016 VDOT Road and Bridge Specifications. Effective manipulation and augmentation of wet fill soils with lime includes thoroughly mixing the lime into the wet soils with self-propelled rotary mixing equipment, to create a homogenous blend of augmented soil, to the full depth of the loose lift of soil (lift thickness shall not exceed 8 inches) prior to its compaction, in accordance with the project specifications. Credit or additions to the Contract Price for actual quantities used shall be made per the Unit Prices contained in the Bid Form. Include in the unit price the cost of quantity verification by a Surveyor Licensed in the Commonwealth of Virginia.

F. Subsurface Drain UD-4 and Camera Verification (L.F.)

1. Provide on the Bid Form an allowance of 250 l.f. of subsurface drain equivalent to VDOT Std. UD-4 Standard Pavement Edgedrain.
2. Refer to Section 334100 for Subsurface Drain specification.

G. VDOT #21B stone, in place (C.Y.)

1. Provide on the Bid Form an allowance of 750 c.y. of VDOT #21B stone, in addition to the levels required for the Work, in place.

H. VDOT #57 stone, in place (C.Y.)

1. Provide on the Bid Form an allowance of 750 c.y. of VDOT #57 stone, in addition to the levels required for the Work, in place.

I. Woven Geotextile Fabric, in place (S.Y.)

1. Provide on the Bid Form an allowance of 250 s.y. of woven geotextile fabric, in addition to the levels required for the Work, in place.
2. Refer to Section 312000 for ~~Worven~~ **Woven** Geotextile Fabric Specification.

3.2 SCHEDULE OF LUMP SUM ALLOWANCES

A. Firelane Striping and Signage

1. Provide on the Bid Form an allowance of $ 500 for firelane striping and signage as directed by the Architect.

3.3 ADMINISTRATION OF SITEWORK UNIT PRICE ALLOWANCES

A. Unit Prices for each allowance shall be given on the Bid Form.

1. The Owner reserves the right to negotiate said Unit Prices prior to the award of Contract.

B. Allowances required by this Section shall be included in the Base Bid amount.

C. Allowances required by this Section shall be indicated on the Schedule of Values and shall be determined by multiplying the quantity indicated by the unit price given on the Bid Form.

D. Submit invoices or surveyor's certificate, as required, with pay requests that involve the Unit Price Allowances.

E. Credit unused amount of Unit Price Allowance (if any) to Owner by Change Order at Project Closeout.

3.4 ADMINISTRATION OF LUMP-SUM ALLOWANCES

A. Conform to the requirements of the General Conditions.

END OF SECTION 01 2110

SECTION 012300 – ALTERNATES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Provisions of the Contract and of the Contract Documents apply to this Section.

1.2 DEFINITIONS

A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the Bidding Requirements that may be added to or deducted from the base bid amount if Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.

1. Alternates described in this Section are part of the Work only if enumerated in the Agreement.
2. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternate into the Work. No other adjustments are made to the Contract Sum.

1.3 PROCEDURES

A. Coordination: Modify or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.

1. Include as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of alternate.

B. Notification: Immediately following award of the Contract, notify each party involved, in writing, of the status of each alternate. Indicate if alternates have been accepted, rejected, or deferred for later consideration. Include a complete description of negotiated modifications to alternates.

C. Execute accepted alternates under the same conditions as other work of the Contract.

D. Schedule: A schedule of alternates is included at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION

3.1 SCHEDULE OF ALTERNATES

A. Alternate No. 1: Additive Alternate – Rooftop/Outdoor Classroom.

1. Base Bid: Roof material and configuration as indicated on Drawing A10.1.
2. Alternate: Roof material, pavers, railing and other components as indicated on Drawing A10.5 Roof Plan - Bid Alternate. **(*AD-01)**

B. Alternate No. 2: Deductive Alternate – Terrazzo Tile.
   1. Base Bid: Flooring as indicated in the Contract Drawings.
   2. Alternate: Provide a deductive alternate amount to replace the areas of terrazzo flooring where indicated on the drawings with terrazzo tile. This alternate shall not include the locations where the Resinous Matric Terrazzo logos are indicated.

C. Alternate No. 3: Deductive Alternate – Polished Concrete.
   1. Base Bid: Flooring as indicated in the Contract Drawings.
   2. Alternate: Provide a deductive alternate amount to replace the areas of terrazzo flooring where indicated on the drawings with polished concrete. This alternate shall not include the locations where the Resinous Matric Terrazzo logos are indicated.

END OF SECTION 012300

SECTION 054000 - COLD-FORMED STEEL FRAMING – STRUCTURAL (CFSF-S) **(*AD 01)**

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:

1. Exterior non-load-bearing wall framing.
2. Interior non-load-bearing wall framing.
3. Roof rafter framing.
4. Soffit framing.
5. **Load-bearing wall framing. (*AD 01)**

1.3 PREINSTALLATION MEETINGS

A. Preinstallation Conference: Conduct conference at Project site.

1.4 ACTION SUBMITTALS

A. Product Data: For each type of product:

B. Shop Drawings:

1. Include layout, spacings, sizes, thicknesses, and types of cold-formed steel framing; fabrication; and fastening and anchorage details, including mechanical fasteners.
2. Indicate reinforcing channels, opening framing, supplemental framing, strapping, bracing, bridging, splices, accessories, connection details, and attachment to adjoining work.

C. Delegated-Design Submittal: For cold-formed steel framing.

1.5 INFORMATIONAL SUBMITTALS

A. Qualification Data: For testing agency.

B. Welding certificates.

C. Product Certificates: For each type of code-compliance certification for studs and tracks.

D. Product Test Reports: For each listed product, for tests performed by manufacturer and witnessed by a qualified testing agency.

1. Steel sheet.
2. Expansion anchors.
3. Power-actuated anchors.
4. Mechanical fasteners.
5. Vertical deflection clips.
6. Horizontal drift deflection clips
7. Miscellaneous structural clips and accessories.

E. Research Reports:

1. For nonstandard cold-formed steel framing post-installed anchors and power-actuated fasteners, from ICC-ES or other qualified testing agency acceptable to authorities having jurisdiction.
2. For sill sealer gasket/termite barrier, showing compliance with ICC-ES AC380.

1.6 QUALITY ASSURANCE

A. Testing Agency Qualifications: Qualified according to ASTM E329 for testing indicated.

B. Product Tests: Mill certificates or data from a qualified independent testing agency, or in-house testing with calibrated test equipment, indicating steel sheet complies with requirements, including base-metal thickness, yield strength, tensile strength, total elongation, chemical requirements, and metallic-coating thickness.

C. Code-Compliance Certification of Studs and Tracks: Provide documentation that framing members are certified according to the product-certification program of the Certified Steel Stud Association.

D. Welding Qualifications: Qualify procedures and personnel according to the following:

1. AWS D1.1/D1.1M, "Structural Welding Code - Steel."
2. AWS D1.3/D1.3M, "Structural Welding Code - Sheet Steel."

~~E. Comply with AISI S230 "Standard for Cold-Formed Steel Framing - Prescriptive Method for One and Two Family Dwellings."~~ **(*AD 01)**

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

A. Delegated Design: Engage a qualified professional engineer, as defined in Section 014000 "Quality Requirements," to design cold-formed steel framing.

B. Structural Performance: Provide cold-formed steel framing capable of withstanding design loads within limits and under conditions indicated.

1. Design Loads: As indicated on Drawings.
2. Deflection Limits: Design framing systems to withstand design loads without deflections greater than the following:
   a. Exterior Non-Load-Bearing Framing: Horizontal deflection of 1/360 of the wall height, and l/600 if backup for masonry veneer.
   b. Interior Non-Load-Bearing Framing: Horizontal deflection of 1/240 of the wall height under a horizontal load of 5 lbf/sq. ft.
   c. Roof Rafter Framing: Vertical deflection of 1/360 of the horizontally projected span for live loads.
   d. Load-Bearing Framing: Horizontal deflection of 1/360 of the wall height. (*AD 01)

3. Design framing systems to provide for movement of framing members located outside the insulated building envelope without damage or overstressing, sheathing failure, connection failure, undue strain on fasteners and anchors, or other detrimental effects when subject to a maximum ambient temperature change of 120 deg F.
4. Design framing system to maintain clearances at openings, to allow for construction tolerances, and to accommodate live load deflection of primary building structure as follows:

   a. Upward and downward movement of l/360 of span.

5. Design exterior non-load-bearing wall framing to accommodate horizontal deflection without regard for contribution of sheathing materials.

C. Cold-Formed Steel Framing Standards: Unless more stringent requirements are indicated, framing shall comply with AISI S100, AISI S200, and the following:

1. Floor and Roof Systems: AISI S210.
2. Wall Studs: AISI S211.
3. Headers: AISI S212.
4. Lateral Design: AISI S213.

D. Fire-Resistance Ratings: Comply with ASTM E119; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.

1. Indicate design designations from UL's "Fire Resistance Directory" or from the listings of another qualified testing agency acceptable to authorities having jurisdiction.

2.2 COLD-FORMED STEEL FRAMING MATERIALS

A. Steel Sheet: ASTM A1003, Structural Grade, Type H, metallic coated, of grade and coating designation as follows:
1. Grade: ST33H 18 and 20 gauge, ST50H 16, 14 and 12 gauge.
2. Coating: G60

B. Steel Sheet for Vertical Deflection Clips: ASTM A653, structural steel, zinc coated, of grade and coating as follows:

1. Grade: 50 Class 1
2. Coating: G90

2.3 EXTERIOR NON-LOAD-BEARING WALL FRAMING

A. Steel Studs: Manufacturer's standard C-shaped steel studs, of web depths indicated, punched, with stiffened flanges, and as follows:

1. Minimum Base-Metal Thickness: 0.0538 inch.
2. Flange Width: 1-5/8 inches.

B. Steel Track: Manufacturer's standard U-shaped steel track, of web depths indicated, unpunched, with unstiffened flanges, and as follows:

1. Minimum Base-Metal Thickness: Matching steel studs.
2. Flange Width: 1-1/4 inches

A. Vertical Deflection Clips: Manufacturer's standard bypass or head clips, capable of accommodating upward and downward vertical displacement of primary structure through positive mechanical attachment to stud web.

A. Single Deflection Track: Manufacturer's single, deep-leg, U-shaped steel track; unpunched, with unstiffened flanges, of web depth to contain studs while allowing free vertical movement, with flanges designed to support horizontal loads and transfer them to the primary structure, and as follows:

1. Minimum Base-Metal Thickness: 0.0428 inch.
2. Flange Width: 1 inch plus the design gap.

B. Double Deflection Tracks: Manufacturer's double, deep-leg, U-shaped steel tracks, consisting of nested inner and outer tracks; unpunched, with unstiffened flanges.

1. Outer Track: Of web depth to allow free vertical movement of inner track, with flanges designed to support horizontal loads and transfer them to the primary structure, and as follows:
   a. Minimum Base-Metal Thickness: 0.0428 inch.
   b. Flange Width: 1 inch plus the design gap.

2. Inner Track: Of web depth indicated, and as follows:
   a. Minimum Base-Metal Thickness: 0.0428 inch.
   b. Flange Width: 1 inch plus the design gap.

C. Drift Clips: Manufacturer's standard bypass or head clips, capable of isolating wall stud from upward and downward vertical displacement and lateral drift of primary structure through positive mechanical attachment to stud web and structure.

2.4 INTERIOR NON-LOAD-BEARING WALL FRAMING

A. Steel Studs: Manufacturer's standard C-shaped steel studs, of web depths indicated, punched, with stiffened flanges, and as follows:

1. Minimum Base-Metal Thickness: 0.0329 inch or as indicated.
2. Flange Width: 1-5/8 inches

B. Steel Track: Manufacturer's standard U-shaped steel track, of web depths indicated, unpunched, with unstiffened flanges, and as follows:

1. Minimum Base-Metal Thickness: Matching steel studs.
2. Flange Width: 1-1/4 inches

C. Vertical Deflection Clips: Manufacturer's standard bypass or head clips, capable of accommodating upward and downward vertical displacement of primary structure through positive mechanical attachment to stud web.

D. Single Deflection Track: Manufacturer's single, deep-leg, U-shaped steel track; unpunched, with unstiffened flanges, of web depth to contain studs while allowing free vertical movement, with flanges designed to support horizontal loads and transfer them to the primary structure, and as follows:

1. Minimum Base-Metal Thickness: 0.0428 inch.
2. Flange Width: 1 inch plus the design gap.

2.5 ROOF-RAFTER FRAMING

A. Steel Rafters: Manufacturer's standard C-shaped steel sections, of web depths indicated, with stiffened flanges, and as follows:

1. Minimum Base-Metal Thickness: 0.0428 inch.
2. Flange Width: 1-5/8 inches minimum.

2.6 SOFFIT FRAMING

A. Exterior Soffit Frame: Manufacturer's standard C-shaped steel sections, of web depths indicated, with stiffened flanges, and as follows:

1. Minimum Base-Metal Thickness: 0.0329 inch.
2. Flange Width: 1-5/8 inches minimum.

2.7 LOAD-BEARING WALL FRAMING (*AD 01)

A. Steel Studs: Manufacturer's standard C-shaped steel studs, of web depths indicated, punched, with stiffened flanges, and as follows:

1. **Minimum Base-Metal Thickness: 0.0329 inch**
2. **Flange Width: 1-5/8 inches**

B. **Steel Track: Manufacturer's standard U-shaped steel track, of web depths indicated, unpunched, with straight flanges, and as follows:**

1. **Minimum Base-Metal Thickness: 0.0329 inch**
2. **Flange Width: 1-1/4 inches**

C. **Steel Box or Back-to-Back Headers: Manufacturer's standard C-shapes used to form header beams, of web depths indicated, unpunched, with stiffened flanges, and as follows:**

1. **Minimum Base-Metal Thickness: 0.0329 inch**
2. **Flange Width: 1-5/8 inches**

D. **Steel Single- or Double-L Headers: Manufacturer's standard L-shapes used to form header beams, of web depths indicated, and as follows:**

1. **Minimum Base-Metal Thickness: 0.0329 inch**
2. **Flange Width: 1-5/8 inches**

2.8 FRAMING ACCESSORIES

A. Fabricate steel-framing accessories from ASTM A1003, Structural Grade, Type H, metallic coated steel sheet, of same grade and coating designation used for framing members.

B. Provide accessories of manufacturer's standard thickness and configuration, unless otherwise indicated, as follows:

1. Supplementary framing.
2. Bracing, bridging, and solid blocking.
3. Web stiffeners.
4. Anchor clips.
5. End clips.
6. Foundation clips.
7. Gusset plates.
8. Stud kickers and knee braces.
9. Joist hangers and end closures.
10. Hole-reinforcing plates.
11. Backer plates.

2.9 ANCHORS, CLIPS, AND FASTENERS

A. Steel Shapes and Clips: ASTM A36, zinc coated by hot-dip process according to ASTM A123.

B. Anchor Bolts: ASTM F1554, Grade 36, threaded carbon-steel hex-headed bolts, carbon-steel nuts, and flat, hardened-steel washers; zinc coated by hot-dip process according to ASTM A153/A153M, Class C or mechanically deposition according to ASTM B695, Class 50.

C. 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, ICC-ES AC193, ICC-ES AC58, or ICC-ES AC308 as appropriate for the substrate.

1. Uses: Securing cold-formed steel framing to structure.
2. Type: Torque-controlled expansion anchor, Torque-controlled adhesive anchor, or adhesive anchor.
3. Material for Interior Locations: Carbon-steel components zinc plated to comply with ASTM B633 or ASTM F1941, Class Fe/Zn 5, unless otherwise indicated.
4. Material for Exterior or Interior Locations and Where Stainless Steel Is Indicated: Alloy Group 1 stainless-steel bolts, ASTM F593, and nuts, ASTM F594.

D. Power-Actuated Anchors: Fastener systems 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 AC70.

E. Mechanical Fasteners: ASTM C1513, corrosion-resistant-coated, self-drilling, self-tapping, steel drill screws.

1. Head Type: Low-profile head beneath sheathing; manufacturer's standard elsewhere.

F. Welding Electrodes: Comply with AWS standards.

2.10 MISCELLANEOUS MATERIALS

A. Galvanizing Repair Paint: ASTM A780.

B. Nonmetallic, Nonshrink Grout: Factory-packaged, nonmetallic, noncorrosive, nonstaining grout, complying with ASTM C1107/C1107M, and with a fluid consistency and 30-minute working time.

C. Shims: Load-bearing, high-density, multimonomer, nonleaching plastic; or cold-formed steel of same grade and metallic coating as framing members supported by shims.

2.11 FABRICATION

A. Fabricate cold-formed steel framing and accessories plumb, square, and true to line, and with connections securely fastened, according to referenced AISI's specifications and standards, manufacturer's written instructions, and requirements in this Section.

1. Fabricate framing assemblies using jigs or templates.
2. Cut framing members by sawing or shearing; do not torch cut.
3. Fasten cold-formed steel framing members by welding, screw fastening, clinch fastening, pneumatic pin fastening, or riveting as standard with fabricator. Wire tying of framing members is not permitted.

a. Comply with AWS D1.3 requirements and procedures for welding, appearance and quality of welds, and methods used in correcting welding work.
b. Locate mechanical fasteners and install according to Shop Drawings, with screws penetrating joined members by no fewer than three exposed screw threads.

4. Fasten other materials to cold-formed steel framing by welding, bolting, pneumatic pin fastening, or screw fastening, according to Shop Drawings.

B. Reinforce, stiffen, and brace framing assemblies to withstand handling, delivery, and erection stresses. Lift fabricated assemblies by means that prevent damage or permanent distortion.

C. Tolerances: Fabricate assemblies level, plumb, and true to line to a maximum allowable variation of 1/8 inch in 10 feet and as follows:

1. Spacing: Space individual framing members no more than plus or minus 1/8 inch from plan location. Cumulative error shall not exceed minimum fastening requirements of sheathing or other finishing materials.
2. Squareness: Fabricate each cold-formed steel framing assembly to a maximum out-of-square tolerance of 1/8 inch.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates, areas, conditions, and abutting structural framing for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Before sprayed fire-resistive materials are applied, attach continuous angles, supplementary framing, or tracks to structural members indicated to receive sprayed fire-resistive materials.

B. After applying sprayed fire-resistive materials, remove only as much of these materials as needed to complete installation of cold-formed framing without reducing thickness of fire-resistive materials below that required to obtain fire-resistance ratings indicated. Protect remaining fire-resistive materials from damage.

C. Install load-bearing shims or grout between the underside of load-bearing wall bottom track and the top of foundation wall or slab at locations with a gap larger than 1/4 inch to ensure a uniform bearing surface on supporting concrete or masonry construction.

3.3 INSTALLATION, GENERAL

A. Cold-formed steel framing may be shop or field fabricated for installation, or it may be field assembled.

B. Install cold-formed steel framing according to AISI S200, AISI S202, and manufacturer's written instructions unless more stringent requirements are indicated.

C. Install shop- or field-fabricated, cold-formed framing and securely anchor to supporting structure.

1. Screw, bolt, or weld wall panels at horizontal and vertical junctures to produce flush, even, true-to-line joints with maximum variation in plane and true position between fabricated panels not exceeding 1/16 inch.

D. Install cold-formed steel framing and accessories plumb, square, and true to line, and with connections securely fastened.

1. Cut framing members by sawing or shearing; do not torch cut.
2. Fasten cold-formed steel framing members by welding, screw fastening, clinch fastening, or riveting. Wire tying of framing members is not permitted.

a. Comply with AWS D1.3 requirements and procedures for welding, appearance and quality of welds, and methods used in correcting welding work.
b. Locate mechanical fasteners, install according to Shop Drawings, and comply with requirements for spacing, edge distances, and screw penetration.

E. Install framing members in one-piece lengths unless splice connections are indicated for track or tension members.

F. Install temporary bracing and supports to secure framing and support loads equal to those for which structure was designed. Maintain braces and supports in place, undisturbed, until entire integrated supporting structure has been completed and permanent connections to framing are secured.

G. Do not bridge building expansion joints with cold-formed steel framing. Independently frame both sides of joints.

H. Install insulation, specified in Section 072100 "Thermal Insulation," in framing-assembly members, such as headers, sills, boxed joists, and multiple studs at openings, that are inaccessible on completion of framing work.

I. Fasten hole-reinforcing plate over web penetrations that exceed size of manufacturer's approved or standard punched openings.

3.4 INSTALLATION OF EXTERIOR NONLOADBEARING WALL FRAMING

A. Install continuous tracks sized to match studs. Align tracks accurately and securely anchor to supporting structure.

B. Fasten both flanges of studs to top and bottom track unless otherwise indicated. Space studs as follows:

1. Stud Spacing: 16 inches.

C. Set studs plumb, except as needed for diagonal bracing or required for nonplumb walls or warped surfaces and similar requirements.

D. Isolate non-load-bearing steel framing from building structure to prevent transfer of vertical loads while providing lateral support.

1. Install single deep-leg deflection tracks and anchor to building structure.
2. Install double deep-leg deflection tracks and anchor outer track to building structure.
3. Connect vertical deflection clips to studs and anchor to building structure.
4. Connect drift clips to cold-formed steel framing and anchor to building structure.

E. Install horizontal bridging in wall studs, spaced vertically in rows indicated on Shop Drawings but not more than 48 inches apart. Fasten at each stud intersection.

1. Channel Bridging: Cold-rolled steel channel, welded or mechanically fastened to webs of punched studs.
2. Strap Bridging: Combination of flat, taut, steel sheet straps of width and thickness indicated and stud-track solid blocking of width and thickness to match studs. Fasten flat straps to stud flanges and secure solid blocking to stud webs or flanges.
3. Bar Bridging: Proprietary bridging bars installed according to manufacturer's written instructions.

F. Top Bridging for Single Deflection Track: Install row of horizontal bridging within 12 inches of single deflection track. Install a combination of bridging and stud or stud-track solid blocking of width and thickness matching studs, secured to stud webs or flanges.

1. Install solid blocking at 48-inch centers and centers indicated on Shop Drawings.

G. Install miscellaneous framing and connections, including stud kickers, web stiffeners, clip angles, continuous angles, anchors, and fasteners, to provide a complete and stable wall-framing system.

3.5 INSTALLATION OF INTERIOR NONLOADBEARING WALL FRAMING

A. Install continuous tracks sized to match studs. Align tracks accurately and securely anchor to supporting structure.

B. Fasten both flanges of studs to top and bottom track unless otherwise indicated. Space studs as follows:

1. Stud Spacing: 16 inches.

C. Set studs plumb, except as needed for diagonal bracing or required for nonplumb walls or warped surfaces and similar requirements.

D. Isolate non-load-bearing steel framing from building structure to prevent transfer of vertical loads while providing lateral support.

1. Install single deep-leg deflection tracks and anchor to building structure.
2. Install double deep-leg deflection tracks and anchor outer track to building structure.
3. Connect vertical deflection clips to studs and anchor to building structure.
4. Connect drift clips to cold-formed steel metal framing and anchor to building structure.

E. Install horizontal bridging in wall studs, spaced vertically in rows indicate[on Shop Drawings but not more than 48 inches apart. Fasten at each stud intersection.

1. Channel Bridging: Cold-rolled steel channel, welded or mechanically fastened to webs of punched studs.
2. Strap Bridging: Combination of flat, taut, steel sheet straps of width and thickness indicated and stud-track solid blocking of width and thickness to match studs. Fasten flat straps to stud flanges and secure solid blocking to stud webs or flanges.
3. Bar Bridging: Proprietary bridging bars installed according to manufacturer's written instructions.

F. Top Bridging for Single Deflection Track: Install row of horizontal bridging within 12 inches of single deflection track. Install a combination of bridging and stud or stud-track solid blocking of width and thickness matching studs, secured to stud webs or flanges.

1. Install solid blocking at centers indicated on Shop Drawings.

G. Install miscellaneous framing and connections, including stud kickers, web stiffeners, clip angles, continuous angles, anchors, and fasteners, to provide a complete and stable wall-framing system.

3.6 INSTALLATION OF JOIST FRAMING

A. Install perimeter joist track sized to match joists. Align and securely anchor or fasten track to supporting structure at corners, ends, and spacings indicated on Shop Drawings.

B. Install joists bearing on supporting frame, level, straight, and plumb; adjust to final position, brace, and reinforce. Fasten joists to both flanges of joist track.

1. Install joists over supporting frame with a minimum end bearing of 1-1/2 inches.
2. Reinforce ends and bearing points of joists with web stiffeners, end clips, joist hangers, steel clip angles, or steel-stud sections.

C. Space joists not more than 2 inches from abutting walls, and as follows:

1. Joist Spacing: 24 inches maximum.

D. Frame openings with built-up joist headers, consisting of joist and joist track or another combination of connected joists if indicated.

E. Install joist reinforcement at interior supports with single, short length of joist section located directly over interior support, with lapped joists of equal length to joist reinforcement.

1. Install web stiffeners to transfer axial loads of walls above.

F. Install bridging at intervals indicated on Shop Drawings. Fasten bridging at each joist intersection as follows:

1. Joist-Track Solid Bridging: Joist-track solid blocking of width and thickness indicated, secured to joist webs.
2. Combination Bridging: Combination of flat, taut, steel sheet straps of width and thickness indicated and joist-track solid blocking of width and thickness indicated. Fasten flat straps to bottom flange of joists and secure solid blocking to joist webs.

G. Secure joists to load-bearing interior walls to prevent lateral movement of bottom flange.

H. Install miscellaneous joist framing and connections, including web stiffeners, closure pieces, clip angles, continuous angles, hold-down angles, anchors, and fasteners, to provide a complete and stable joist-framing assembly.

3.7 INSTALLATION OF LOAD-BEARING WALL FRAMING (*AD 01)

A. Install continuous top and bottom tracks sized to match studs. Align tracks accurately and securely anchor at corners and ends, and at spacings as follows:

1. Anchor Spacing: 32 inches

B. Squarely seat studs against top and bottom tracks, with gap not exceeding 1/8 inch between the end of wall-framing member and the web of track.

1. Fasten both flanges of studs to top and bottom tracks.
2. Space studs as follows:

a. Stud Spacing: 24 inches or as required for design.

C. Set studs plumb, except as needed for diagonal bracing or required for nonplumb walls or warped surfaces and similar configurations.

D. Align studs vertically where floor framing interrupts wall-framing continuity. Where studs cannot be aligned, continuously reinforce track to transfer loads.

E. Align floor and roof framing over studs according to AISI S200, Section C1. Where framing cannot be aligned, continuously reinforce track to transfer loads.

F. Anchor studs abutting structural columns or walls, including masonry walls, to supporting structure.

G. Install headers over wall openings wider than stud spacing. Locate headers above openings. Fabricate headers of compound shapes indicated or required to transfer load to supporting studs, complete with clip-angle connectors, web stiffeners, or gusset plates.

1. Frame wall openings with not less than a double stud at each jamb of frame. Fasten jamb members together to uniformly distribute loads.
2. Install tracks and jack studs above and below wall openings. Anchor tracks to jamb studs with clip angles or by welding, and space jack studs same as full-height wall studs.

H. Install supplementary framing, blocking, and bracing in stud framing indicated to support fixtures, equipment, services, casework, heavy trim, furnishings, and similar work requiring attachment to framing.

1. If type of supplementary support is not indicated, comply with stud manufacturer's written recommendations and industry standards in each case, considering weight or load resulting from item supported.

I. Install horizontal bridging in stud system, spaced vertically indicated on Shop Drawings. Fasten at each stud intersection.

1. Channel Bridging: Cold-rolled steel channel, welded or mechanically fastened to webs of punched studs with a minimum of two screws into each flange of the clip angle for framing members up to 6 inches deep.
2. Strap Bridging: Combination of flat, taut, steel sheet straps of width and thickness indicated and stud-track solid blocking of width and thickness to match studs. Fasten flat straps to stud flanges, and secure solid blocking to stud webs or flanges.
3. Bar Bridging: Proprietary bridging bars installed according to manufacturer's written instructions.

J. Install steel sheet diagonal bracing straps to both stud flanges; terminate at and fasten to reinforced top and bottom tracks. Fasten clip-angle connectors to multiple studs at ends of bracing and anchor to structure.

K. Install miscellaneous framing and connections, including supplementary framing, web stiffeners, clip angles, continuous angles, anchors, and fasteners, to provide a complete and stable wall-framing system.

3.8 INSTALLATION TOLERANCES

A. Install cold-formed steel framing level, plumb, and true to line to a maximum allowable tolerance variation of 1/8 inch in 10 feet and as follows:

1. Space individual framing members no more than plus or minus 1/8 inch from plan location. Cumulative error shall not exceed minimum fastening requirements of sheathing or other finishing materials.

3.9 REPAIR

A. Galvanizing Repairs: Prepare and repair damaged galvanized coatings on fabricated and installed cold-formed steel framing with galvanized repair paint according to ASTM A780/A780M and manufacturer's written instructions.

3.10 FIELD QUALITY CONTROL

A. Testing: Owner will engage a qualified independent testing and inspecting agency to perform field tests and inspections and prepare test reports.

B. Field and shop welds will be subject to testing and inspecting.

C. Testing agency will report test results promptly and in writing to Contractor and Architect.

D. Cold-formed steel framing will be considered defective if it does not pass tests and inspections.

E. Additional testing and inspecting, at Contractor's expense, will be performed to determine compliance of replaced or additional work with specified requirements.

3.11 PROTECTION

A. Provide final protection and maintain conditions, in a manner acceptable to manufacturer and Installer, that ensure that cold-formed steel framing is without damage or deterioration at time of Substantial Completion.

END OF SECTION 054000

SECTION 064023 - INTERIOR ARCHITECTURAL WOODWORK

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Provisions of the Contract and of the Contract Documents apply to this Section.

1.2 DEFINITIONS

A. Interior architectural woodwork includes wood furring, blocking, and shims for installing woodwork items unless concealed within other construction before woodwork installation.

B. Rough carriages for stairs are a part of interior architectural woodwork. Platform framing, headers, partition framing, and other rough framing associated with stairwork are specified in Division 6 Section “Rough Carpentry.”

1.3 ACTION SUBMITTALS

A. Product Data: For each type of product indicated, including cabinet hardware and accessories, and finishing materials and processes.
   1. Wood-Preservative Treatment:
      a. Include data and warranty information from chemical-treatment manufacturer and certification by treating plant that treated materials comply with requirements.
      b. Indicate type of preservative used and net amount of preservative retained.
      c. Include chemical-treatment manufacturer's written instructions for finishing treated material and manufacturer's written warranty.
   2. Fire-Retardant Treatment: Include data and warranty information from chemical-treatment manufacturer and certification by treating plant that treated materials comply with requirements.
   3. Waterborne Treatments: For products receiving a waterborne treatment, include statement that moisture content of treated materials was reduced to levels specified before shipment to Project site.

B. Shop Drawings: Show location of each item, dimensioned plans and elevations, large-scale details, attachment devices, and other components.
   1. Show locations and sizes of furring and blocking, including blocking and reinforcement concealed by construction and specified in other Sections.
   2. Show locations and sizes of cutouts and holes for items installed in architectural woodwork.

C. Samples for Verification: For the following:
   1. Lumber with or for Transparent Finish: Not less than 5 inches wide by 24 inches long, for each species and cut, finished on one side and one edge.
   2. Veneer-faced panel products with or for transparent finish, 8 by 10 inches, for each species and cut. Include at least one face-veneer seam and finish as specified. For each transparent finish, provide set of three Samples showing typical range of color and grain to be expected in finished Work.

3. Plastic laminates, 8 by 10 inches, for each type, color, pattern, and surface finish, with 1 sample applied to core material and specified edge material applied to 1 edge.
4. Thermoset decorative-panels, 8 by 10 inches, for each type, color, pattern, and surface finish, with edge banding on 1 edge.
5. Solid-surfacing materials, 6 inches square.

1.4 INFORMATIONAL SUBMITTALS

A. Woodwork Quality Standard Compliance License: Provide license showing proof of certification in AWI Quality Certification Program.

B. Qualification Data: For woodwork manufacturer/fabricator and Installer.

C. Evaluation Reports: For fire-retardant-treated wood materials, from ICC-ES.

D. Field quality-control reports.

1.5 CLOSEOUT SUBMITTALS

A. Woodwork Quality Standard Certificate: Provide AWI Quality Certification Program "Certificate of Compliance" indicating that woodwork, including installation, complies with requirements of grades specified.

1.6 QUALITY ASSURANCE

A. Fabricator's Qualifications: Employs skilled workers who custom fabricate products similar to those required for this Project and whose products have a record of successful in-service performance.
   1. Fabricator's Certification: Licensed participant in AWI's Quality Certification Program.
   2. Installer Qualifications: Fabricator of products and licensed participant in AWI's Quality Certification Program.

B. Quality Standard: Unless otherwise indicated, comply with "Architectural Woodwork Standards – Edition Two," October 2014 (AWS), published jointly by Architectural Woodwork Institute (AWI), Woodwork Institute (WI), and Architectural Woodwork Manufacturer's Association of Canada (AWMAC) for grades of interior architectural woodwork indicated for construction, finishes, installation, and other requirements.
   1. **This project has been registered as AWI/QCP number 21.0144 (*AD 01).** Obtain and pass a third-party final inspection of architectural woodwork by the AWI Quality Certification Corporation prior to delivery. AWI program of self-certification by manufacturer in lieu of third-party inspection is not acceptable.

C. Accessibility Requirements: Where casework is indicated to comply with accessibility requirements, comply with the Department of Justice ADA Standards for Accessible Design and ICC/ANSI A117.1.

D. Fire-Test-Response Characteristics: Where fire-retardant materials or products are indicated, provide materials and products with specified fire-test-response characteristics as determined by testing identical products per test method indicated by UL, ITS, or another testing and inspecting agency acceptable to authorities having jurisdiction. Identify with appropriate markings of applicable testing and inspecting agency in the form of separable paper label or,

where required by authorities having jurisdiction, imprint on surfaces of materials that will be concealed from view after installation.

1.7 DELIVERY, STORAGE, AND HANDLING

A. Comply with the Architectural Woodwork Standards, Section 2.

B. Do not deliver interior architectural woodwork until painting and similar finish operations that might damage woodwork have been completed in installation areas.

C. Store woodwork in installation areas or in areas where environmental conditions comply with requirements specified in "Field Conditions" Article.

1.8 FIELD CONDITIONS

A. Environmental Limitations: Do not deliver or install interior architectural woodwork until building is enclosed, wet-work is complete, and HVAC system is operating and maintaining temperature between 60 and 90 deg F and relative humidity between 25 and 55 percent during the remainder of the construction period.

B. Field Measurements: Where interior architectural woodwork is indicated to fit to other construction, verify dimensions of other construction by field measurements before fabrication, and indicate measurements on Shop Drawings.

1. Locate concealed framing, blocking, and reinforcements that support woodwork by field measurements before being concealed by construction, and indicate measurements on Shop Drawings.
2. Established Dimensions: Where field measurements cannot be made without delaying the Work, establish dimensions and proceed with fabricating woodwork without field measurements. Provide allowance for trimming at site, and coordinate construction to ensure that actual dimensions correspond to established dimensions.

1.9 COORDINATION

A. Coordinate sizes and locations of framing, blocking, furring, reinforcements, and other related units of Work specified in other Sections to ensure that architectural woodwork can be supported and installed as indicated.

PART 2 - PRODUCTS

2.1 ARCHITECTURAL WOODWORK, GENERAL

A. Quality Standard: Unless otherwise indicated, comply with the Architectural Woodwork Standards for grades of interior architectural woodwork indicated for construction, finishes, installation, and other requirements.

1. The Contract Documents contain requirements that are more stringent than the Architectural Woodwork Standards. Comply with Contract Documents and Architectural Woodwork Standards.

2.2 MATERIALS

A. General: Provide materials that comply with requirements of AWI's quality standard for each type of woodwork and quality grade specified, unless otherwise indicated.

B. Wood Species and Cut for Transparent Finish: Maple, plain sawn or sliced.

C. Wood Products: Comply with the following:
   1. Hardboard: AHA A135.4.
   2. Medium-Density Fiberboard: ANSI A208.2, Grade MD.
   3. Particleboard: ANSI A208.1, Grade M-2.
   4. Softwood Plywood: DOC PS 1.
   5. Veneer-Faced Panel Products (Hardwood Plywood): HPVA HP-1.

D. Thermoset Decorative Panels: Particleboard or medium-density fiberboard finished with thermally fused, melamine-impregnated decorative paper.
   1. Provide PVC or polyester edge banding on components with exposed or semi-exposed edges.

E. High-Pressure Decorative Laminate: NEMA LD 3, grades as indicated or, if not indicated, as required by woodwork quality standard.
   1. Available Manufacturers: Subject to compliance with requirements, manufacturers offering high-pressure decorative laminates that may be incorporated into the Work include, but are not limited to, the following:
      a. Formica Group, Div. of Fletcher Building.
      b. Panolam Industries International Inc.; Nevamar Div.
      c. Panolam Industries International Inc.; Pionite Div.
      d. Wilsonart LLC.

F. Solid-Surfacing Material: Homogeneous solid sheets of filled plastic resin complying with ISSFA-2.
   1. Available Products: Subject to compliance with requirements, products that may be incorporated into the Work include, but are not limited to, the following:
      a. E. I. du Pont de Nemours and Company; “Corian.”
      b. Formica Group, Div. of Fletcher Building; “Solid Surfacing.”
      c. Hanwha L&C; “Hanex.”
      d. LG Hausys America; “HI-MACS.”
      e. Lotte Advanced Materials Co., Ltd.; “Staron.”
      f. Wilsonart LLC; “Solid Surface.”
   2. Type: Standard type, unless Special Purpose type is indicated.
   3. Thickness: 1/2-inch (13 mm).
   4. Colors and Patterns: As selected by Architect from manufacturer's full range.
   5. Physical Characteristics:
      a. Fungal and Bacterial Resistance: No growth, per ASTM G 21 and G 22.
      b. Tensile Strength: 4000 psi minimum per ASTM D 638.
      c. Barcol Hardness: 56 minimum per ASTM D 2583.
      d. Izod Impact Resistance: 0.28 ft-lb/in minimum per ASTM D 256 Method A.

e. Ball Impact Resistance: No fracture at 112 inch drop minimum per NEMA LD 3-3 (1/2 lb. ball on 1/2" material).
f. Stain Resistance: Pass per ANSI Z124.3 and/or ANSI Z124.6.
g. Boiling Water Resistance: No effect per NEMA LD 3-3 or ISSFA SST 8.1-00.
h. High Temperature Resistance: No effect per NEMA LD 3-3 or ISSFA SST 9.1-00.
i. Flame Spread: <25 per ASTM E 84.
j. Smoke Developed: <400 per ASTM E 84.

G. Edgebanding for Plastic Laminate: Rigid PVC extrusions, through color with satin finish, 3 mm thick at doors and drawer fronts, 0.5 mm thick elsewhere.

2.3 FIRE-RETARDANT-TREATED MATERIALS

A. General: Fire retardant treated floor platform and like structural framing, and blocking are specified in Division 6 Section "Rough Carpentry." Where such internal framing is included in the woodwork fabrications, use fire retardant treated material as indicated. No actual finish woodwork items (trim, casings, bases, casework panel and worked lumber components etc.) are fire retardant treated, unless otherwise indicated.

B. General: Where fire-retardant-treated materials are indicated, use materials complying with requirements in this Article, that are acceptable to authorities having jurisdiction, and with fire-test-response characteristics specified.
1. Do not use treated materials that do not comply with requirements of referenced woodworking standard or that are warped, discolored, or otherwise defective.
2. Use fire-retardant-treatment formulations that do not bleed through or otherwise adversely affect finishes. Do not use colorants to distinguish treated materials from untreated materials.
3. Identify fire-retardant-treated materials with appropriate classification marking of UL, U.S. Testing, Timber Products Inspection, or another testing and inspecting agency acceptable to authorities having jurisdiction.

C. Fire-Retardant-Treated Lumber and Plywood by Pressure Process: Comply with performance requirements of AWPA C20 (lumber) and AWPA C27 (plywood). Use the following treatment type:
1. Interior Type A: Low-hygroscopic formulation.
2. Mill lumber before treatment and implement special procedures during treatment and drying processes that prevent lumber from warping and developing discolorations from drying sticks or other causes, marring, and other defects affecting appearance of treated woodwork.
3. Kiln-dry materials before and after treatment to levels required for untreated materials.

2.4 MISCELLANEOUS MATERIALS

A. Provide self-drilling screws for metal-framing supports, as recommended by metal-framing manufacturer.

B. Anchors: Select material, type, size, and finish required for each substrate for secure anchorage.
1. Provide metal expansion sleeves or expansion bolts for post-installed anchors.

2. Use nonferrous-metal or hot-dip galvanized anchors and inserts at inside face of exterior walls and at floors.

C. Steel Plates and Angles: ASTM A36, shop primed, (field paint in Division 9 Section "Paints"). (miscellaneous clips etc.)

D. Installation Adhesive: Product recommended by fabricator for each substrate for secure anchorage.

E. Adhesive for Bonding Plastic Laminate: Contact cement.

1. Adhesive for Bonding Edges: Hot-melt adhesive or as specified above for faces.

2.5 INTERIOR STANDING AND RUNNING TRIM FOR TRANSPARENT FINISH

A. Grade: Custom.

B. Wood Species and Cut:

1. Species: Maple.
2. Cut: Plain sliced/plain sawn.
3. Provide split species on trim that faces areas with different wood species, matching each face of woodwork to species and cut of finish wood surfaces in areas finished.
4. For trim items wider than available lumber, use veneered construction. Do not glue for width.
5. For rails thicker than available lumber, use veneered construction. Do not glue for thickness.

C. Backout or groove backs of flat trim members and kerf backs of other wide, flat members, except for members with ends exposed in finished work.

D. Assemble casings in plant except where limitations of access to place of installation require field assembly.

2.6 CLOSET AND UTILITY SHELVING

A. Grade: Custom.

B. Shelf Material: 3/4-inch thermoset decorative panel with PVC T-mold edge.

C. Cleats: 3/4-inch thermoset decorative panel.

D. Closet Rods: 1-5/16-inch-diameter, aluminum tubes complying with BHMA A156.16, L03131.

E. Rod Flanges: Aluminum.

2.7 BENCHES

A. Wood Bench Tops: Laminated ("butcher block") maple, 3/4-inch thick.

1. Provide concealed fasteners unless indicated otherwise. Counterbore bench material where indicated to receive carriage bolts, to suit depth of fastener head. Ease exposed edges of counterbore.
2. Finish: 2 coats manufacturer's standard lacquer on exposed surfaces and 1 coat on concealed surface.

2.8 FLUSH WOOD PANELING

A. Grade: Custom.

B. Wood Species and Cut: Maple, plain sliced.

1. Lumber Trim and Edges: At fabricator's option, trim and edges indicated as solid wood (except moldings) may be either lumber or veneered construction compatible with grain and color of veneered panels.

C. Panel-Matching Method: No matching between panels is required. Select and arrange panels for similarity of grain pattern and color between adjacent panels.

D. Fire-Retardant-Treated Paneling: Provide panels consisting of wood veneer and fire-retardant particleboard or fire-retardant medium-density fiberboard. Panels shall have flame-spread index of 25 or less and smoke-developed index of 450 or less per ASTM E 84.

E. Aluminum Millwork Trim: Extruded accessories of profiles and dimensions indicated.

1. Basis-of-Design Products: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

a. Flannery, Inc.
b. Fry Reglet Corp.
c. Gordon, Inc.
d. Pittcon Industries.
e. Stockton Products.

2. Trim Profile Characteristics: Provide the following trim types, where indicated. Provide profiles in depth required to match wood paneling depth indicated.

a. Straight Edge Reveal Channel: 1/2-inch width reveals between millwork panels.
b. Reveal “F” Channel: 1/2-inch width reveals where millwork is adjacent to a different material.
c. Straight Edge “L” Angle: Straight edge at ends of millwork panels.
d. Inside Corner: Straight edge with exposed metal profile at 90° inside corners.
e. Outside Corner: Straight edge with exposed metal profile at 90° outside corners.
f. Reveal Base: Metal base flange with L-angle to receive bottom edge of millwork. Exposed base height 4 inches.
g. Bar/Post: Solid 1/4-inch bar/post between millwork panels.
h. Bar/Post Termination: Solid 1/4-inch “L” shape termination where millwork is adjacent to other materials.
i. Bar/Post Outside Corner: Solid 1/4-inch bar/post for use at 90° outside corners. Miter millwork panels to fit against post.

3. Accessories: Provide manufacturer’s factory-fabricated intersection components, including custom fabrications as required for reveal layout indicated.

4. Aluminum: Alloy and temper with not less than the strength and durability properties of ASTM B 221, Alloy 6063-T5.

Finish: Clear anodic.

2.9 WOOD CABINETS FOR TRANSPARENT FINISH

A. Grade: Premium, except as noted for drawer construction.

B. Type of Construction: Frameless.

C. Door and Drawer-Front Style: Flush overlay.
   1. Door and Drawer Front Design: Flat (slab) panel.
      a. Flat panels.
      b. Drawer Front Design: Flat (slab) panel.

D. Wood Species and Cut for Exposed Surfaces: Maple, plain sawn or sliced.
   1. Grain Direction: Vertically for drawer fronts, doors, and fixed panels.
   2. Matching of Veneer Leaves: Random match.
   3. Comply with veneer and other matching requirements indicated for blueprint-matched paneling.

E. Semi-exposed Surfaces: Provide surface materials indicated below:
   1. Surfaces Other Than Drawer Bodies: Same species and cut indicated for exposed surfaces.
   2. Drawer Sides and Backs: Per AWI standard for "Custom" Grade: 15/32-inch minimum, except provide 5/8-inch minimum at drawer boxes wider than 30 inches.
   3. Drawer Bottoms: Match material used at drawer sides and backs, 15/32-inch minimum.

2.10 PLASTIC-LAMINATE CABINETS

A. Grade: Premium, except as noted for drawer construction.

B. AWI Type of Cabinet Construction: Flush overlay.
   1. Cabinet Body Construction:
      a. Tops and bottoms are glued and doweled to cabinet sides and internal cabinet components such as fixed horizontals, rails and verticals. Minimum 6 dowels each joint for 24 inch deep cabinets and a minimum of 4 dowels each joint for 12 inch deep cabinets.
         1) Tops, bottoms and sides of all cabinets are 3/4-inch thick particleboard core.
      b. Cabinet Backs - Semi-exposed: Minimum 3/8-inch thick prefinished particleboard or 1/4-inch thick medium-density fiberboard fully captured four sides or 1/2-inch prefinished particleboard full overlay construction. Provide 3/4-inch x 4 inch anchor except where backs are 1/2-inch or thicker per AWI standard.
      c. Provide either of the following types of base construction to support cabinet load transfer, isolate the cabinet ends from contact with floor, and permit leveling.
         1) Separate Sub-base: Cabinet sub-base shall be separate and continuous (no cabinet body sides-to-floor), exterior grade plywood with concealed fastening to cabinet bottom. Sub-base shall be ladder-type construction of individual front, back, and intermediates, to form a secure and level platform to which cabinets attach. Recess sub-base at exposed cabinet end panels 1/4 inch from face of finished end, for flush installation of finished base material by other trades.
         2) Integral Base: Provide end panels, cabinet bottoms, and horizontal toe kick members integrally joined together for structural strength and to facilitate load transfer directly through cabinet ends to the floor. Provide 1-3/8" x 3" x

3/8" thick injection molded, chemical resistant, polypropylene isolation supports factory-applied at the four corners of each toe base to prevent cabinets from contacting the floor. Internally-mount isolation supports to permit surface-application of continuous resilient base.

C. Reveal Dimension: Not more than 3/4-inch.

D. Laminate Cladding for Exposed Surfaces: High-pressure decorative laminate complying with the following requirements:

1. Horizontal Surfaces Other Than Tops: Grade VGS.
2. Vertical Surfaces: Grade VGS.
3. Cabinet Body and Shelf Edges: PVC tape, 0.5 mm (0.018-inch) minimum thickness, matching laminate in color, pattern, and finish.
4. Door and Drawer Front Edges: PVC edge banding, 3 mm (0.12-inch) thick, matching laminate in color, pattern, and finish. Provide “eased” edges and corners.

E. Materials for Semi-exposed Surfaces:

1. Surfaces Other Than Drawer Bodies: High-pressure decorative laminate, Grade VGS.
   a. Edges of Plastic-Laminate Shelves: PVC tape, 0.018-inch (0.5-mm) minimum thickness, matching laminate in color, pattern, and finish.
   b. For semi-exposed backs of panels with exposed plastic-laminate surfaces, provide surface of high-pressure decorative laminate, Grade VGS.
2. Drawer Sides and Backs: Per AWI standard for “Custom” Grade: 15/32-inch minimum, except provide 5/8-inch minimum at drawer boxes wider than 30 inches.
3. Drawer Bottoms: Match material used at drawer sides and backs, 15/32-inch minimum; or 1/4-inch thick thermally fused melamine clad medium-density fiberboard fully captured four sides.

F. Concealed Backs of Panels with Exposed Plastic Laminate Surfaces: High-pressure decorative laminate, Grade BKL.

G. Chart & Paper Storage Cabinet: 39”W x 30”D x 84”H, seven flat file drawers with two adjustable shelves. Basis-of-Design - Diversified Woodcrafts item #354-4830. typical of (5) units.

H. Colors, Patterns, and Finishes: Provide materials and products that result in colors and textures of exposed laminate surfaces complying with the following requirements:

Selected by Architect from laminate manufacturer’s full range (standard and premium lines) of product in standard textured finish (textured gloss, fine textured or suede finish). High gloss, heavy textured, metallic, or other special surface products (abrasion-resistant, chemical-resistant) will not be required for use in this project.

I. Provide materials and products that result in colors and textures of exposed laminate surfaces complying with the following requirements:

1. Selected by Architect from laminate manufacturer’s full range (standard and premium lines) of product in standard textured finish (textured gloss, fine textured or suede finish). High gloss, heavy textured, metallic, or other special surface products (abrasion-resistant, chemical-resistant) will not be required for use in this project.

2.11 PLASTIC-LAMINATE COUNTERTOPS

A. Quality Standard: Comply with AWI Section 11 requirements for high-pressure decorative laminate countertops. Provide balanced construction for HDPL-faced core panel countertops.
   1. Provide traditional 3/4-inch core material and 1-1/2-inch built-up counter edge, edged with transparent finish hardwood.
   2. Provide either built-up or one-piece countertop construction for minimum 1-inch deep front counter edge.
      a. 1-1/4-inch counter edge built-up of 3/4-inch core material countertop + 1/2-inch core material build-up, and 3 mm PVC edge banding.
      b. 1-1/8-inch-thick core material (monolithic) and 3 mm PVC edge banding.

B. Grade: Custom.

C. High-Pressure Decorative Laminate Grade: HGS.

D. Colors, Patterns, and Finishes: Provide materials and products that result in colors and textures of exposed laminate surfaces complying with the following requirements:
   1. Selected by Architect from laminate manufacturer's full range (standard and premium lines) of product in standard textured finish (textured gloss, fine textured or suede finish). High gloss, heavy textured, metallic, or other special surface products (abrasion-resistant, chemical-resistant) will not be required for use in this project.

E. Grain Direction: Parallel to cabinet fronts.

F. Edge Treatment: Same as laminate cladding on horizontal surfaces.

G. Core Material: Particleboard or medium-density fiberboard.

H. Core Material at Countertops Containing Sinks: Provide particleboard or MDF products meeting the standard for ANSI MR10. Available products include, but are not limited to, the following:
   1. Arauco North America; "Duraflake VESTA Moisture Resistant ULEF."
   2. Collins Pine; "FreeForm."
   3. Georgia-Pacific Building Products; "Ultrastock MR MDF."
   4. Roseburg Forest Products; "SkyBlend MR-10."
   5. Shop-sanded exterior grade veneer-core plywood, minimum 5-ply, 3/4-inch thickness.

I. Backer Sheet: Provide plastic-laminate backer sheet, Grade BKL, on underside of countertop substrate.

2.12 SOLID-SURFACING-MATERIAL COUNTERTOPS

A. Grade: Custom.

B. Solid-Surfacing-Material Thickness: 1/2-inch.

C. Colors, Patterns, and Finishes: As selected by Architect from manufacturer's full range.

D. Fabricate tops in one piece, unless otherwise indicated. Comply with solid-surfacing-material manufacturer's written recommendations for adhesives, sealers, fabrication, and finishing.
   1. Fabricate tops with shop-applied edges of materials and configuration indicated.
   2. Fabricate tops with loose backsplashes for field application.

E. Edge Treatment: Same as solid-surfacing countertop.

2.13 CABINET HARDWARE AND ACCESSORIES

A. General: Provide cabinet hardware and accessory materials associated with architectural cabinets, except for items specified in Division 8 Section "Door Hardware." Provide all hardware necessary for complete and functioning cabinets whether included in specification or not.

B. Institutional Concealed Hinges (European Type): BHMA A156.9 Grade 1, 180-degree opening, zinc or nickel-plated steel finish as standard with manufacturer. Provide with additional screws and adjustment tabs as required by manufacturer to meet or exceed BHMA Grade 1 testing requirements.

1. Available Products:
   a. Grass "Institutional Hinge."
   b. Hafele "Aximat 300."

C. Furniture Casters: Swivel zinc-plated steel casters with nominal 3 inches diameter by 1-inch (23 mm) to 1-1/4 inch (30 mm) wheels with sealed bearings and non-marking radiused polyurethane or rubber tread. Provide without brakes unless indicated otherwise. Where brakes are indicated, provide type that locks both swivel and wheel.

1. Load Rating: 150 pounds per caster unless indicated otherwise.
2. Available Manufacturers. Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
   a. Caster City.
   b. Hamilton Caster & Mfg.
   c. R&K Industrial Wheels.

D. Back-Mounted Pulls: BHMA A156.9, B02011.

1. Wire Pulls: Back-mounted, stainless steel, 4 inches (100 mm) long, 5/16-inch (8 mm) in diameter.

E. Shelf Rests: Injection molded plastic friction fit 2-pin locking shelf rests complying with BHMA A156.9, Type B04013. Provide integral retaining clip to fit 3/4 inch or 1 inch thick shelving and provides non-tip feature for shelving. Supports may be field fixed if desired. Structural load to 1200 pounds (300 pounds per support) without failure.

F. Drawer Slides: Powder-coated, self-closing, heavy-duty drawer slides, designed to prevent drawer rebound; with nylon-tired, ball-bearing rollers; and meeting BHMA A156.9, Type B05011 (bottom edge mount) or B05051 (side mount), and rated as follows:

1. Drawers except as noted: Minimum 100 lbf dynamic load rating at 50,000 cycles. Minimum 150 lb loading static edge load test rating for one minute duration on fully extended drawer. Provide standard (3/4) extension travel.
2. Paper Storage and File Drawers: Minimum 120 lbf dynamic load rating at 50,000 cycles. Minimum 150 lb loading static edge load test rating for one minute duration on fully extended drawer. Provide full extension travel.

G. Tray Drawer Guides: Surface-mounted plastic guides with slot for flat trays. Design standard is Hafele #430.34 series. Mount guides at spacing indicated on Drawings.

H. Flush Pulls: BHMA A156.9, B02201.

I. Door Locks: BHMA A156.11, E07121.

J. Drawer Locks: BHMA A156.11, E07041.

K. Grommets for Cable Passage through Countertops: 2.5-inch (75-mm) OD, black, molded-plastic grommets and matching removable plastic caps with slot for wire passage.

1. Grommet Size: To suit nominal 2 1/2-inch diameter hole, 2 9/32-inch inside diameter and 5/8 inch deep.
2. Cap Size: 3-inch overall diameter, with a cord slot 7/8-inch wide.

L. Wire Management: Extruded vinyl channel or trough shapes indicated. Black color and screw-mounting unless noted otherwise.

1. J-shape wire manager for edge-of-counter mounting, where indicated. 1-inch wide channel, 1-1/2-inches high, with 7/16-inch slot at top for cables.
2. Bulk wire manager for under counter applications, where indicated. Heavy wall 3 by 3-inch open top channel.
3. Enclosed wire manager, where indicated. 2-1/8 inches high by 1-5/16 inches wide wire management channel with “hinged” front panel that snaps open and shut to insert and retain data cables.

M. Undercounter Utility Braces: Heavy-duty prefabricated steel braces for full cantilevered support of countertop from rear wall without reducing knee space. Provide braces designed to accommodate leveling cleats and passage of conduit and piping and complete with predrilled holes for screw fasteners.

1. Load Capacity: 500 pounds minimum per pair at 16 inches o.c. as installed, and up to 1000 pounds per pair as fabricated. Install at 16 inches o.c. along full length of countertops unsupported by cabinetry unless indicated otherwise.
2. Size: 21 inches x 28 inches minimum for standard 30-inch deep counter unless indicated otherwise. Provide smaller sizes suitable for smaller counters as approved.
3. Finish: Factory finish baked enamel or primed and ready for field painting. Factory finish color as selected by Architect from manufacturer’s full range.
4. Available Products. Subject to compliance with requirements, provide one of the following products or approved equivalent:
   a. A & M Hardware, Inc.; “Standard Bracket.”
   b. Best Brackets; “ADA Workstation Support Standard Steel Bracket.”
   c. FastCap; “SpeedBrace.”
   g. Lyman Associates; “Counter Top Supports.”

N. Mail/Copy Station: Modular paper sorting assembly of two-sided case modules with horizontal shelves adjustable for multiple heights, fabricated of fire-resistant, impact-resistant, high-strength plastic or coated steel. Provide nominal 12-inch width by 16-inch depth modules by height indicated.

1. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
   a. Modular Millwork, Division of International Office Products Cooperative.

b. Hamilton Sorter Company.
c. Datum Filing Systems.

O. Exposed Hardware Finishes: For exposed hardware, provide finish that complies with BHMA A156.18 for BHMA finish number indicated.
1. Satin Chromium Plated: BHMA 626 for brass or bronze base; BHMA 652 for steel base.
2. Satin Stainless Steel: BHMA 630.

P. For concealed hardware, provide manufacturer's standard finish that complies with product class requirements in BHMA A156.9.

Q. Undersink Vinyl Basin Guard: Provide high impact vinyl acrylic molded undersink barrier panel for ADA compliant (wheelchair accessible) sink counters. Include minimum .090" formed panel and sidewall mounting pieces. Material shall have maximum flame spread of 15 when tested per ASTM E84. Color as selected by Architect from manufacturer's standards. Design standard is “Basin Guard” manufactured by Truebro, Inc.

2.14 FABRICATION

A. Wood Moisture Content: Comply with requirements of referenced quality standard for wood moisture content in relation to ambient relative humidity during fabrication and in installation areas.

B. Sand fire-retardant-treated wood lightly to remove raised grain on exposed surfaces before fabrication.

C. Fabricate interior architectural woodwork to dimensions, profiles, and details indicated. Ease edges to radius indicated for the following:
1. Corners of Cabinets and Edges of Solid-Wood (Lumber) Members: 1/16 inch unless otherwise indicated.
2. Edges of Rails and Similar Members More Than 3/4 Inch Thick: 1/8 inch.

D. Unless indicated otherwise, where wood studs are indicated, provide nominal 2 x 4 wood stud framing at 16 inches on center.

E. Complete fabrication, including assembly, to maximum extent possible before shipment to Project site. Disassemble components only as necessary for shipment and installation. Where necessary for fitting at site, provide allowance for scribing, trimming, and fitting.
1. Trial fit assemblies at fabrication shop that cannot be shipped completely assembled. Install dowels, screws, bolted connectors, and other fastening devices that can be removed after trial fitting. Verify that parts fit as intended, and check measurements of assemblies against field measurements indicated on approved Shop Drawings before disassembling for shipment.

F. Shop-cut openings to maximum extent possible to receive hardware, appliances, plumbing fixtures, electrical work, and similar items. Locate openings accurately and use templates or roughing-in diagrams to produce accurately sized and shaped openings. Sand edges of cutouts to remove splinters and burrs.
1. Seal edges of openings in countertops with a coat of varnish.

G. Stairs: Cut rough carriages to accurately fit treads and risers.
1. Glue treads to risers, and glue and nail treads and risers to carriages.

2. House wall and face stringers, and glue and wedge treads and risers.
3. Fabricate stairs with treads and risers no more than 1/8 inch (3 mm) from indicated position and no more than 1/16 inch (1.5 mm) out of relative position for adjacent treads and risers.

2.15 SHOP FINISHING

A. Finish interior architectural woodwork with transparent finish at fabrication shop. Defer only final touchup, cleaning, and polishing until after installation. Refer to Division 9 painting Sections for finishing opaque-finished architectural woodwork.

B. Transparent Finish:
1. Architectural Woodwork Standards Grade: Premium.
2. Finish: System - 3, Lacquer, Post Catalyzed.
3. Finish: System - 5, Varnish, Conversion.
4. Wash Coat for Closed-Grain Woods: Apply wash-coat sealer to woodwork made from closed-grain wood before staining and finishing.
5. Staining: None required.
6. Open Finish for Open-Grain Woods: Do not apply filler to open-grain woods.
7. Filled Finish for Open-Grain Woods: After staining, apply wash-coat sealer and allow to dry. Apply paste wood filler and wipe off excess. Tint filler to match stained wood.
8. Sheen: Satin, 31-45 gloss units measured on 60-degree gloss meter according to ASTM D 523.

PART 3 - EXECUTION

3.1 PREPARATION

A. Before installation, condition interior architectural woodwork to humidity conditions in installation areas for not less than 72 hours prior to beginning of installation.

B. Before installing interior architectural woodwork, examine shop-fabricated work for completion and complete work as required, including removal of packing and backpriming of concealed surfaces.

3.2 INSTALLATION

A. Grade: Install interior architectural woodwork to comply with same grade as item to be installed.

B. Assemble interior architectural woodwork and complete fabrication at Project site to the extent that it was not completed during shop fabrication.

C. Install interior architectural woodwork level, plumb, true in line, and without distortion. Shim as required with concealed shims. Install level and plumb to a tolerance of 1/8 inch in 96 inches (3 mm in 2400 mm).

D. Scribe and cut interior architectural woodwork to fit adjoining work, refinish cut surfaces, and repair damaged finish at cuts.

E. Fire-Retardant-Treated Wood: Install fire-retardant-treated wood to comply with chemical treatment manufacturer's written instructions, including those for adhesives used to install woodwork.

F. Anchor interior architectural woodwork to anchors or blocking built in or directly attached to substrates. Secure with countersunk, concealed fasteners and blind nailing. Use fine finishing nails or finishing screws for exposed fastening, countersunk and filled flush with interior architectural woodwork. For shop-finished items, use filler matching finish of items being installed. For exposed fasteners in cabinets, provide cover caps matching adjacent color.

G. Standing and Running Trim:
   1. Install with minimum number of joints possible, using full-length pieces (from maximum length of lumber available) to greatest extent possible.
   2. Do not use pieces less than 36 inches long, except where shorter single-length pieces are necessary.
   3. Scarf running joints and stagger in adjacent and related members.
   4. Fill gaps, if any, between top of base and wall with plastic wood filler; sand smooth; and finish same as wood base if finished.
   5. Install standing and running trim with no more variation from a straight line than 1/8 inch in 96 inches.

H. Stairs: Securely anchor carriages to supporting substrates.
   1. Install stairs with treads and risers no more than 1/8 inch from indicated position.
   2. Secure with countersunk, concealed fasteners and blind nailing.
   3. Use fine finishing nails or finishing screws for exposed fastening, countersunk and filled flush with wood surface.

I. Paneling: Anchor paneling to supporting substrate with concealed panel-hanger clips. Do not use face fastening, unless covered by trim.
   1. Install flush paneling with no more than 1/16-inch in 96-inch vertical cup or bow and 1/8-inch in 96-inch horizontal variation from a true plane.

J. Cabinets: Install without distortion so doors and drawers fit openings properly and are accurately aligned. Adjust hardware to center doors and drawers in openings and to provide unencumbered operation. Complete installation of hardware and accessory items as indicated.
   1. Install cabinets with no more than 1/8-inch in 96-inch sag, bow, or other variation from a straight line.
   2. Maintain veneer sequence matching of cabinets with transparent finish.
   3. Resilient base at base cabinets (all exposed sides) is specified in Division 9 Section “Resilient Base and Accessories.”
   4. For removable panels, provide zee clips. Arrange panel clearances to adjacent work to allow removal. At under-sink cabinetry access panels, provide steel cable retainer of a length that allows the removable panel to be set aside for clear service access, secured with tamper-resistant fasteners. Alternatively, provide a lock to secure the panel.
   5. Fasten wall cabinets through back, near top and bottom, at ends and not more than 16 inches o.c. with No. 10 wafer-head screws sized for 1-inch penetration into wood framing or blocking, or No. 10 wafer-head sheet metal screws through metal backing or metal framing behind wall finish. Wall mounted hanger strips are not acceptable.

6. Present keys to Owner's representative. Identify keys by room number and casework type. Obtain receipt from Owner and turn over to Construction Manager.

K. Countertops: Anchor securely by screwing through corner blocks of base cabinets or other supports into underside of countertop.

1. Align adjacent solid-surfacing-material countertops and form seams to comply with manufacturer's written recommendations using adhesive in color to match countertop. Carefully dress joints smooth, remove surface scratches, and clean entire surface.
2. Install countertops with no more than 1/8-inch in 96-inch sag, bow, or other variation from a straight line.
3. Secure backsplashes to tops with concealed metal brackets at 16 inches o.c..
4. Calk space between backsplash and wall with sealant specified in Division 7 Section "Joint Sealants."

3.3 FIELD QUALITY CONTROL

A. Inspections: Provide third-party inspection of installed Work through AWI's Quality Certification Program certifying that woodwork, including installation, complies with requirements of the Architectural Woodwork Standards for the specified grade. AWI program of self-certification by manufacturer in lieu of third-party inspection is not acceptable.

1. Inspection entity shall prepare and submit report of inspection.

3.4 REPAIR, ADJUSTING, AND TOUCHUP

A. Repair damaged and defective woodwork, where possible, to eliminate functional and visual defects and to result in interior architectural woodwork being in compliance with requirements of Architectural Woodwork Standards for the specified grade.

B. Where not possible to repair, replace defective woodwork.

C. Adjust joinery for uniform appearance. Clean, lubricate, and adjust hardware.

D. Shop Finish: Touch up finishing work specified in this Section after installation of interior architectural woodwork.

1. Fill nail holes with matching filler where exposed.
2. Apply specified finish coats, including stains and paste fillers if any, to exposed surfaces where only sealer/prime coats are shop applied.

3.5 CLEANING

A. Clean interior architectural woodwork on exposed and semiexposed surfaces.

END OF SECTION 064023

SECTION 096513 - RESILIENT BASE AND ACCESSORIES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Provisions of the Contract and of the Contract Documents apply to this Section.

1.2 SUBMITTALS

A. Product Data: For each type of product indicated.

B. Samples for Initial Selection: For each type of product indicated.

C. Product Schedule: For resilient products [RB]

1.3 QUALITY ASSURANCE

A. Fire-Test-Response Characteristics: As determined by testing identical products according to ASTM E 648 or NFPA 253 by a qualified testing agency.

1. Critical Radiant Flux Classification: Class I, not less than 0.45 W/sq. cm.

B. Source Limitations: Obtain resilient base, resilient stair accessories and resilient molding accessories through single source from single manufacturer.

1.4 DELIVERY, STORAGE, AND HANDLING

A. Store resilient products and installation materials in dry spaces protected from the weather, with ambient temperatures maintained within range recommended by manufacturer, but not less than 50 deg F or more than 90 deg F.

1.5 PROJECT CONDITIONS

A. Maintain ambient temperatures within range recommended by manufacturer, but not below 70 deg F or above 95 deg F, in spaces to receive resilient products during the following time periods:

1. 48 hours before installation.
2. During installation.
3. 48 hours after installation.

B. Until Substantial Completion, maintain ambient temperatures within range recommended by manufacturer, but not less than 55 deg F or more than 95 deg F.

C. Install resilient products after other finishing operations, including painting, have been completed.

1.6 EXTRA MATERIALS

A. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.

1. Furnish not less than 10 linear feet for every 500 linear feet or fraction thereof, of each type, color, pattern, and size of resilient product installed.

PART 2 - PRODUCTS

2.1 RESILIENT BASE [RB]

A. Resilient Base:

1. Available Type TP (rubber, thermoplastic) Products: Provide one of the following or alternate complying material acceptable to Architect.

a. Armstrong World Industries, Inc.; Rubber Coved-Toe Wall Base
b. Azrock, Domco Tarkett Commercial; Rubber Wall Base
c. Burke Flooring, Div. of Burke Industries; Rubber Wall Base - Cove
d. Flexco (USA), Inc.; Flexco Base 2000 - Cove.
e. Tarkett/Johnsonite; Rubber Wall Base – Cove.
f. Mannington Commercial; Premium Edge – Coved.
g. Roppe Corporation; 700 Series TPR Wall Base – Style B (Cove).

B. Resilient Base Standard: ASTM F 1861.

1. Material Requirement and Manufacturing Group: Type TP (rubber, thermoplastic), Group I (solid, homogeneous) or Group II (layered).

2. Style: Cove (base with toe).

C. Minimum Thickness: 0.125 inch (3.2 mm).

D. Height: 4 inches.

E. Lengths: Coils in manufacturer's standard length.

F. Outside and Inside Corners: Job formed.

G. Finish: Satin.

H. Colors and Patterns: As selected by Architect from full range of industry colors.

2.2 RESILIENT STAIR ACCESSORIES [RST]

A. Resilient Stair Treads:

1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

a. Endura; Division of Burke Industries, Inc. also Burke, Mercer divisions
b. Flexco, Inc.
c. Tarkett/Johnsonite.
d. Mannington Commercial.
e. Nora Rubber Flooring; Freudenberg Building Systems, Inc.
f. Roppe Corporation, USA.

2. Available Products: Provide one of the following or alternate complying material acceptable to Architect.

B. Resilient Stair Treads Standard: ASTM F 2169.

1. Material Requirement: Type TS (rubber, vulcanized thermoset).
2. Surface Design:

a. Class 2, Pattern: ~~Raised-rib design~~ **Raised-disc design (*AD 01)**.

3. Manufacturing Method: Group 1, tread with embedded abrasive strips.

C. Nosing Style: Square, adjustable to cover angles between 60 and 90 degrees.

D. Nosing Height: 1-1/2 inches.

E. Thickness: 1/4 inch and tapered to back edge.

F. Size: Lengths and depths to fit each stair tread in one piece.

G. Risers: Smooth, flat, coved-toe, 7 inches (178 mm) high by length matching treads; produced by same manufacturer as treads and recommended by manufacturer for installation with treads.

1. Thickness: 0.125 inch.

H. Stringers: Of same thickness as risers, height and length after cutting to fit risers and treads and to cover stair stringers; produced by same manufacturer as treads and recommended by manufacturer for installation with treads.

I. Colors and Patterns: As selected by Architect from full range of industry colors. **Match related rubber floor tile specified for stair landings and platforms in Division 9 Section "Resilient Tile Flooring" (*AD 01).**

2.3 RESILIENT MOLDING ACCESSORY

A. Resilient Molding Accessory:

1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

a. Burke Flooring, Division of Burke Industries
b. Flexco, Inc.
c. Tarkett/Johnsonite.
d. Mannington Commercial.
e. R.C.A. Rubber Company (The).
f. Roppe Corporation, USA. www.roppe.com
g. VPI, LLC; Floor Products Division.

B. Description: Nosing for resilient floor covering, Reducer strip for resilient floor covering, and Transitions: http://www.johnsonite.com/Wall-Base-Finishes-Accessories/Finishing-Accessories

1. Reducer strip for resilient flooring 1/8 inch x 1.25 inch: Johnsonite RRS-XX-C/D
2. Transition for textile composite flooring to polished concrete.

C. Material: Vinyl.

D. Profile and Dimensions: As indicated.

E. Colors and Patterns: As selected by Architect from full range of industry colors.

2.4 INSTALLATION MATERIALS

A. Trowelable Leveling and Patching Compounds: Latex-modified, portland cement based or blended hydraulic-cement-based formulation provided or approved by manufacturer for applications indicated.

B. Moisture Vapor Treatment (MVT): Where resilient flooring and accessories are installed over concrete slabs, provide the following:
   1. Subject to compliance with requirements, provide alkaline-resistant product designed to control excessive moisture vapor transmission through concrete slab, and approved by the flooring manufacturer, equivalent to one of the following:
      a. Duraamen Engineered Products, Inc.; "Perdure MVT."
      b. Maxxon Corporation; "Maxxon MVP."
      c. Tnemec Company, Inc.; "Epoxoprime MVT, Series 208."
   2. Verify with flooring manufacturer that submitted product maintains compliance with all provisions of flooring manufacturer's warranty.
   3. Low-VOC: Provide product with VOC content less than 15 g/L.
   4. Bond Strength to Concrete: Minimum 400 psi per ASTM D 4541 (100% concrete failure).
   5. Permeance: Maximum 0.1 perm per ASTM E 96, and 0.10 grains/hr/ft^2/in-Hg, per ASTM F 3010.
   6. Applications: Provide MVT for all concrete slabs on-grade and lightweight concrete elevated slabs.

C. Adhesives: Water-resistant type recommended by manufacturer to suit resilient products and substrate conditions indicated.

D. Stair-Tread-Nose Filler: Two-part epoxy compound recommended by resilient tread manufacturer to fill nosing substrates that do not conform to tread contours.

E. Metal Edge Strips: Extruded aluminum with mill finish of width shown, of height required to protect exposed edges of tiles, and in maximum available lengths to minimize running joints.

F. Floor Polish: Provide protective liquid floor polish products as recommended by resilient stair tread manufacturer.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates, with Installer present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the Work.

B. Verify that finishes of substrates comply with tolerances and other requirements specified in other Sections and that substrates are free of cracks, ridges, depressions, scale, and foreign deposits that might interfere with adhesion of resilient products.

C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Prepare substrates according to manufacturer's written instructions to ensure adhesion of resilient products.

B. Concrete Substrates for Resilient Stair Treads and Accessories: Prepare according to ASTM F 710.

1. Verify that substrates are dry and free of curing compounds, sealers, and hardeners.
2. Remove substrate coatings and other substances that are incompatible with adhesives and that contain soap, wax, oil, or silicone, using mechanical methods recommended by manufacturer. Do not use solvents.
3. Alkalinity and Adhesion Testing: Perform tests recommended by manufacturer.
4. Moisture Testing: Perform tests so that each test area does not exceed 200 sq. ft. (18.6 sq. m) and perform not less than 2 tests in each installation area and with test areas evenly spaced in installation areas.
   a. Perform anhydrous calcium chloride test according to ASTM F 1869.
   b. Perform relative humidity test using in situ probes according to ASTM F 2170.
5. Moisture Vapor Treatment (MVT): After initial moisture testing is complete, prepare slab and install MVT in accordance with manufacturer's written instructions. If moisture testing indicates measurements are within acceptable levels for flooring installation without need of moisture vapor treatment, MVT may be omitted where approved by the Architect.
   a. After installation of MVT, perform final moisture tests to verify that moisture-vapor-emission rate is at an acceptable level for flooring installation. Proceed with flooring installation only after substrates demonstrate a moisture-vapor-emission rate and relative humidity not more than maximum indicated.
      1) Moisture-Vapor-Emission Rate: Maximum 3 lbs. of water/1,000 sq. ft. (1.36 kg of water/92.9 sq. m.) in 24 hours, unless indicated otherwise by flooring manufacturer's requirements.
      2) Relative Humidity: Maximum 75 percent relative humidity, unless indicated otherwise by flooring manufacturer's requirements.

C. Fill cracks, holes, and depressions in substrates with trowelable leveling and patching compound and remove bumps and ridges to produce a uniform and smooth substrate.

D. Do not install resilient products until they are same temperature as the space where they are to be installed.
   1. Move resilient products and installation materials into spaces where they will be installed at least 48 hours in advance of installation.

E. Sweep and vacuum clean substrates to be covered by resilient products immediately before installation.

3.3 RESILIENT BASE INSTALLATION

A. Comply with manufacturer's written instructions for installing resilient base.

B. Apply resilient base to walls, columns, pilasters, casework and cabinets in toe spaces, and other permanent fixtures in rooms and areas where base is required.

C. Install resilient base in lengths as long as practicable without gaps at seams and with tops of adjacent pieces aligned.

D. Tightly adhere resilient base to substrate throughout length of each piece, with base in continuous contact with horizontal and vertical substrates.

E. Do not stretch resilient base during installation.

F. On masonry surfaces or other similar irregular substrates, fill voids along top edge of resilient base with manufacturer's recommended adhesive filler material.

G. Job-Formed Corners:

1. Outside Corners: Use straight pieces of maximum lengths possible. Form without producing discoloration (whitening) at bends.
2. Inside Corners: Use straight pieces of maximum lengths possible.

3.4 RESILIENT ACCESSORY INSTALLATION

A. Comply with manufacturer's written instructions for installing resilient accessories.

B. Resilient Stair Accessories:

1. Use stair-tread-nose filler to fill nosing substrates that do not conform to tread contours.
2. Tightly adhere to substrates throughout length of each piece.
3. For treads installed as separate, equal-length units, install to produce a flush joint between units.

C. Resilient Molding Accessories: Butt to adjacent materials and tightly adhere to substrates throughout length of each piece. Install reducer strips at edges of carpet and resilient floor covering that would otherwise be exposed.

3.5 CLEANING AND PROTECTION

A. Comply with manufacturer's written instructions for cleaning and protection of resilient products.

B. Perform the following operations immediately after completing resilient product installation:

1. Remove adhesive and other blemishes from exposed surfaces.
2. Sweep and vacuum surfaces thoroughly.
3. Damp-mop surfaces to remove marks and soil.

C. Protect resilient products from mars, marks, indentations, and other damage from construction operations and placement of equipment and fixtures during remainder of construction period.

D. Floor Polish: Remove soil, visible adhesive, and surface blemishes from resilient stair treads before applying liquid floor polish.

1. Apply three coats or as indicated by manufacturer recommendation

E. Cover resilient products until Substantial Completion.

END OF SECTION 096513

SECTION 115100 - LIBRARY FURNISHINGS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Provisions of the Contract and of the Contract Documents apply to this Section.

1.2 SUBMITTALS

A. Product Data: For each type of product indicated.

B. Shop Drawings: Include plans, elevations, sections, details, and attachments to other work.

1. Indicate locations and types of service fittings, and associated service supply connection required.

C. Samples for Initial Selection: For factory-applied finishes, plastic-laminate countertops.

D. Samples for Verification: For each type of finish, including countertop material, in manufacturer's standard sizes.

1.3 QUALITY ASSURANCE

A. Source Limitations: Obtain library furnishings, including countertops, sinks, service fittings, and accessories, through one source from a single manufacturer.

B. Product Designations: Drawings indicate sizes and configurations of library furnishings by referencing designated manufacturer's catalog numbers. Other manufacturers' library furnishings of similar sizes, similar door and drawer configurations, and complying with the Specifications may be considered. Refer to Division 1 Section “Product Requirements.”

C. Preinstallation Conference: Conduct conference at Project site to comply with requirements in Division 1 Section “Project Management and Coordination.”

1.4 DELIVERY, STORAGE, AND HANDLING

A. Protect finished surfaces during handling and installation with protective covering of polyethylene film or other suitable material.

1.5 WARRANTY

A. Special Project Warranty: Submit a written warranty, executed by the Contractor, Installer and the Manufacturer, agreeing to repair or replace units that fail in materials or workmanship within the specified warranty period. Warranty period is ~~5~~ **10 (*AD 01)** years after the date of Substantial Completion.

1.6 PROJECT CONDITIONS

A. Environmental Limitations: Do not deliver or install library furnishings until building is enclosed, wet work and utility roughing-in are complete, and HVAC system is operating and maintaining temperature and relative humidity at occupancy levels during the remainder of the construction period.

1.7 COORDINATION

A. Coordinate installation of library furnishings with electrical and service outlets.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

1. Library furnishings – steel shelves:
   a. Brodart
   b. Palmieri
   c. BCI
   d. Biblio Model.
   e. ~~Russwood Library Furniture Company.~~ **(*AD 01)**
   f. Fleetwood Goup Furniture.
   g. ~~Mediatechnologies.~~ **(*AD 01)**
   h. Paragon Inc.

2.2 MATERIALS

A. General: Provide materials selected and arranged for compatible grain and color. Do not use materials adjacent to one another that are noticeably dissimilar in color, grain, figure, or natural character markings.

B. Wood Species and Veneer Cut: Maple, plain sliced/sawn.

C. Stain Colors and Finishes: As selected by Architect from manufacturer's full range.

D. Solid Wood: Clear hardwood lumber.

E. Plywood: HPVA HP-1, veneer or lumber core hardwood plywood; Grade A exposed faces at least 1/50 inch thick, Grade J crossbands, and backs of same species as faces.

1. Veneer core plywood unless noted otherwise; no particleboard core plywood.
2. Lumber core plywood where indicated.

F. Particleboard: ANSI A208.1, either Grade M-2 or M-3 unless specifically indicated. Provide for counter applications indicated.

G. Plastic Laminate: High-pressure decorative laminate complying with NEMA LD 3, Type VGS.

1. Colors and Finishes: As selected by Architect from manufacturer's full range.

2.3 FABRICATION

A. All joints shall be those used in standard woodworking practice including dovetail, spline rabbet, mortise and tenon. All framing shall be of kiln-dried hardwood selected for structural soundness and shall be a minimum of 3/4-inch thick.

2.4 WOOD FINISH

A. Preparation: Sand lumber and plywood for library furnishing construction before assembling. Sand edges of doors, drawer fronts, and molded shapes with profile-edge sander. Sand library furnishings after assembling for uniform smoothness at least equivalent to that produced by 220 grit sanding and without machine marks, cross sanding, or other surface blemishes.

B. Staining: Remove fibers and dust and apply stain to exposed and semi-exposed surfaces as necessary to match approved Samples. Apply stain in a manner that will produce a consistent appearance. Apply wash-coat sealer before applying stain to closed-grain wood species.

C. Transparent Finish: Comply with requirements indicated below for grade, finish system, staining, and sheen, with sheen measured on 60-degree gloss meter per ASTM D 523: Conform to AWI Premium Grade for one of the following finishes.

1. AWI Finish System TR-4: Conversion varnish.
2. AWI Finish System TR-5: Catalyzed vinyl lacquer.
3. Staining: Match approved sample for color.
4. Wash Coat for Stained Finish: Apply a vinyl wash coat to woodwork made from closed-grain wood before staining and finishing.
5. Filled Finish for Open-Grain Woods: After staining (if any), apply paste wood filler to open-grain woods and wipe off excess. Tint filler to match stained wood.
   a. Apply vinyl wash coat sealer after staining and before filling.
6. Sheen: Satin, 30-50 gloss units.

2.5 CABINET HARDWARE

A. General: Provide library furnishings manufacturer's standard satin-finish, commercial-quality, heavy-duty hardware complying with requirements indicated for each type.

B. Hinges: Frameless concealed hinges (European type) complying with BHMA A156.9, Type B01602, 170 degrees of opening, self-closing. Provide Blum “CLIP top 170° concealed hinge.

C. Pulls: BHMA A156.9, B02011 pulls, fastened from back with two screws. Provide 2 pulls for drawers over 24 inches in width.

D. Door Catches: Nylon-roller spring catch or dual, self-aligning, permanent magnet catch. Provide 2 catches on doors more than 48 inches in height.

E. Drawer Slides: Powder-coated, full-extension, self-closing, heavy-duty drawer slides; designed to prevent rebound when drawers are closed; with nylon-tired, ball-bearing rollers; and complying with BHMA A156.9, Type B05091, and rated for 100 lbf.

F. Adjustable Shelf Supports: Shelf rests complying with BHMA A156.9, Type B04013.

2.6 COUNTERTOPS

A. Countertops, General: Provide units with smooth surfaces in uniform plane free of defects. Make exposed edges and corners straight and uniformly beveled. Provide specified edge detail.

B. Plastic-Laminate Countertops:

1. Countertops: Plastic-laminate sheet, complying with NEMA LD 3, shop bonded with waterproof adhesive to both sides of specified core. Sand surfaces to which plastic laminate is to be bonded.
2. Plastic-Laminate Type for Flat Countertops: HGS.
3. Plastic-Laminate Type for Backing: BKL.
4. Countertop Core: Particleboard complying with ANSI A208.1, Grade M-2.

5. Colors, Textures, and Patterns: Selected from plastic-laminate manufacturer's full range.
6. Finish front edges of countertops with solid lumber edge band, minimum 3/4-inch thickness.

2.7 STEEL SHELVING:

A. Wood End and Middle Panels: Provide single- or double-faced units as indicated. Fabricate panels with shelf adjustment holes drilled on 32mm centers to accept specialized shelves and accessories as well as standard shelves. Provide adjustable panel leg levelers that screw into pre-threaded steel inserts. Fabricate Upright Panels of 1" thick, 45 lb. density industrial grade particleboard covered on both sides with .031" thick A grade plain sliced and book matched wood veneer. Construct edge treatments using 3/8" thick, solid hardwood, FAS select or better, with a nominal 17 mm radius bull-nosed treatment. Single-faced panels shall have a 9/16" radius front top and a 90° back top corner. Double-faced units shall have a 9/16" radius top corner front and back. All upright panels shall be finished with a durable, scratch resistant UV cured finish.
   1. Provide select maple, plain sliced/sawn for exposed wood.

B. Flat Steel Shelves: Construct 8, 10, 12 or 15" deep Flat Shelves of 0.032-inch- (20 gage) cold rolled steel with a welded 18-gauge cold rolled steel stiffener which also acts as a channel for book support brackets. Fabricate each shelf with 1-1/4" high front edge and 1-1/4" high book stop at rear edge.
   1. Fabricate shelves from steel sheet of thickness required to withstand 150 lb load-carrying capacity without deflection.
   2. Provide shelves ends notched to receive the steel supporting pins. Provide BHMA A156.9, Type B04013 pin supports and holes at 1-1/4" increments.
   3. Provide powder coat finish in color selected from manufacturer’s full range.
   4. Provide solid back component for double-face shelving units. Fabricate of nominal 1 inch panel material construction with finish to match wood end panels.

C. Provide shelving ranges composed of “starter” and “adder” units. Join additional shelving units with bolted connection at bases, intermediate uprights and at cornices of tall (84-inch height) units.

D. All shelving 34"-48” high will have a continuous top with high-pressure plastic laminate surface. All shelving 84" and higher will have a 2" wood veneer canopy top to match shelving unit.

E. Shelf arrangements per side shall be as follows:
   1. For 34-inch height shelves, provide 1 fixed shelf for a total of 2.
   2. For 48-inch height shelves, provide 1 fixed and 2 adjustable shelves for a total of 3.
   3. For 84-inch height shelves, provide 1 fixed and 6 adjustable shelves for a total of 7.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Do not deliver library furniture until the building area is sufficiently dry and secure so that furniture will not be damaged by excessive changes in atmospheric conditions or vandalism. Installation shall be by the manufacturer's authorized representative and shall conform to the

manufacturer's standard procedure. Installation shall include provision of connecting hardware, closure panels and trim required for complete and finished installation. Furniture shall be securely set in place with permanent attachment where required. Installation shall not include electrical connection to building electrical supply. All debris resulting from installation shall be cleaned up and all furniture interiors and exteriors shall be cleaned at the completion of the installation.

1. Install hardware uniformly and precisely. Set hinges snug and flat in mortises.
2. Install level, plumb, and true; shim as required, using concealed shims.
3. Adjust library furnishings and hardware so doors and drawers align and operate smoothly without warp or bind and contact points meet accurately. Lubricate operating hardware as recommended by manufacturer.
4. Install accessories according to Shop Drawings and manufacturer's written instructions.
5. Install shelf standards plumb and at heights to align shelf brackets for level shelves. Install shelving level and straight, closely fitted to other work where indicated.

3.2 CLEANING AND PROTECTING

A. Clean finished surfaces, touch up as required, and remove or refinish damaged or soiled areas to match original factory finish, as approved by Architect.

B. Protect countertop surfaces during construction with 6-mil plastic or other suitable water-resistant covering. Tape to underside of countertop at minimum of 48 inches o.c.

3.3 LIBRARY EQUIPMENT LIST. Refer to Library Furniture schedule on sheet A7.1.3.

MC-1 Single face shelving, starters and adders, 36"W x 84"H x 12"D, with finished backs one side, canopy top.

MC-2 Single face shelving, starter and adders, 36"W x 34"H x 12"D, with finished backs one side, continuous 1 5/8” plastic laminate top.

MC-3 Single face shelving, starter and adders, 42"W x 34"H x 12"D, with finished backs one side, continuous 1 5/8” plastic laminate top

MC-4 Single face shelving, starter and adders, 48"W x 34"H x 12"D, with finished backs one side, continuous 1 5/8” plastic laminate top

MC-5 Single face shelving, starter and adders, 39"W x 34"H x 12"D, with finished backs one side, continuous 5/8” plastic laminate top 1

MC-6 Mobile double face shelving, 36"W x 48"H x 24"D, with finished back, two sides, individual 1 5/8" plastic laminate tops, on mobile welded steel bottom frame with 3” heavy duty ball bearing casters.

MC-7 Computer look-up station, 24"W x 30"H x 18"D, panel base, three electric grommets, wood wire management trough, 6" rail, 1 5/8" plastic laminate top.

MC-8 Depressible book truck, 36"W x 27"H x 24"D, with two pulls on casters.

END OF SECTION 115100

SECTION 31 2000 – EARTHWORK **(*AD 01)**

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. The provisions of the Contract Documents apply to the work of this Section.

B. Refer to Section 01 2110 and the Bid Form for information concerning required allowances and unit prices.

C. Refer to Section 31 1000 for topsoil stripping and Section 32 9200 for topsoil placement.

1.2 SUMMARY

A. This Section includes the following:
   1. Excavation, filling, backfilling, and grading indicated and necessary for proper completion of the work.
   2. Preparing of subgrade for building slabs, walks, and pavements.
   3. Drainage/porous fill course for support of building slabs.
   4. Excavating and backfilling of trenches.
   5. Excavating and backfilling for underground mechanical and electrical utilities and buried mechanical and electrical appurtenances.

1.3 SUBMITTALS

A. VDOT approved Job Mix for stone.

B. Imported fill (if required): Submit location of borrow pit and a sample of the soil for approval to the Owner's Geotechnical Engineer a minimum of fourteen (14) working days prior to use

C. Geotextile Fabric

~~D. Copy of Blasting Permit, approved by authorities having jurisdiction for record purposes.~~

1.4 DEFINITIONS

A. Excavation: Removal of all material (except for rock) encountered to design subgrade elevations indicated for cut areas and to subsoil elevations in fill areas. Excavation also includes subsequent respreading, moisture conditioning, compaction, and grading of satisfactory materials removed.

B. Unauthorized Excavation: Removal of materials beyond the limits indicated in the definition of "Excavation" without specific direction of Architect.

C. Additional Excavation: Removal, disposal and replacement of materials beyond the limits indicated in the definition of "Excavation" at the direction of the Architect. Refer to Part 3 of this Section for requirements of Additional Excavation.

D. Subgrade: The undisturbed earth (in cut) or the compacted soil layer (in fill) immediately below granular subbase, drainage fill, or topsoil materials.

E. Subsoil: The undisturbed earth immediately below the existing topsoil layer.

F. Building Pad: The area extending 10 feet beyond the exterior limits of the building/column footings and down to undisturbed soils at a one horizontal to one vertical slope.

G. Structures: The area extending a minimum of ten (10) feet beyond the edge of foundations, slabs, curbs, underground tanks, piping or other man-made stationary features occurring above or below ground surface.

H. Pavements: The area extending 10 feet beyond the exterior limits of paved areas and down to undisturbed soils at a one horizontal to one vertical slope. The area extending 3 feet beyond the exterior limits of walks and down to undisturbed soils at a one horizontal to one vertical slope

I. Subbase Material: Artificially graded mixture of crushed gravel or crushed stone meeting VDOT specifications. Material type is indicated on the drawings.

J. Drainage/Porous Fill: Washed, evenly graded mixture of crushed stone, or crushed or uncrushed gravel meeting the requirements of VDOT No. 57 Stone.

K. Rock: Hard bed rock, boulders or similar material requiring the use of rock drills and/or explosives for removal. The criteria for classification of general excavation as rock is any material which cannot be dislodged by a Caterpillar D-8 Tractor, or equivalent, equipped with a single tooth hydraulically operated power ripper. The criteria for trench rock shall be that a Caterpillar 345 Backhoe, or equivalent, with a proper width bucket cannot remove the material.

1.5 ADDITIONAL WORK

A. Paragraph 4.3.4 of General Conditions refers to certain conditions that may require additional excavation work. This paragraph is further defined herein and, where there are conflicts, is superseded by this section.

B. Claims for concealed, unknown, or unanticipated subsurface conditions are limited to those circumstances where:

1. Additional excavation work is required below the contract limits indicated to provide acceptable bearing for building pad, structures or pavements.
2. Additional excavation work is required to raise, lower, or revise the footings, foundations or other parts of the building to provide acceptable bearing.
3. Additional excavation work below the utility trench design elevations, for utilities outside the limits of the building, as required to provide acceptable bearing for the utility.
4. Rock is encountered between existing grade and design subgrade.

C. The risks of concealed, unknown, or unanticipated subsurface conditions (except for rock) from existing ground surface to the design subgrade elevations in cut areas and to subsoil elevations in fill areas shall be included in the Contract Amount and shall not be considered as grounds for additional costs to the Contract. The risks of concealed, unknown, or unanticipated subsurface conditions below the elevations stated above shall be considered as Additional Excavation.

D. During construction, if concealed, unknown, or unanticipated subsurface conditions are encountered which require that footings, foundations or other parts of the building be raised, lowered or revised to provide acceptable bearing for the building or if, outside the building limits, additional depth of utility trench excavation below the design subgrade or subsoil elevations is required, immediately notify the Architect upon discovery of such condition prior to disturbing the material encountered.

E. Payment for additional Work

1. Additional excavation shall be counted toward the unit price allowances established in the Bid Form. *The* Owner *reserves the right to negotiate said unit price allowances prior to the Award of Contract.*
2. Lowering of footings shall be paid for at a negotiated amount. The additional excavation involved shall be counted toward the unit price allowance.
3. Rock removal, if required, shall be paid for at a negotiated rate. Rock payment lines are limited to the following:
   a) Two feet outside of concrete work for which forms are required, except footings.
   b) One foot outside perimeter of footings, two feet below bottom of footings.
   c) In pipe trenches, 6 inches below invert elevation of pipe and 2 feet wider than outside diameter of pipe, but not less than 3 feet minimum trench width.
   d) Outside dimensions of concrete work where no forms are required.
   e) Under slabs on grade, 6 inches below bottom of concrete slab.
4. No payment will be made for unauthorized excavation.
5. The expense of surveying quantities of rock removal and additional excavation shall be included in the negotiated rate.

1.6 EARTHWORK BALANCE ADJUSTMENTS

A. Adjustments of grades may be allowed with prior written approval of the Architect in order to accommodate shortfall or surplus of material that may occur. Should adjustments be allowed, maintenance of designed drainage patterns and required adjustments to drainage structures shall be a Contract responsibility. **No additional payment will be made for these adjustments**.

1.7 QUALITY ASSURANCE

A. Codes and Standards: Perform excavation work in compliance with applicable requirements of authorities having jurisdiction.

B. Environmental Compliance:

1. Comply with the requirements of the latest edition of the Virginia Erosion and Sediment Control Handbook for erosion control during earthwork operations.
2. Comply with the permit conditions for all work performed within wetlands.

C. Testing and Inspection Service: Owner will employ and pay for an independent Geotechnical testing and inspection laboratory to perform soil testing and inspection service during earthwork operations. Cooperate with Owner's Geotechnical Engineer as required for testing and inspection of work. These services do not relieve the responsibility for compliance with Contract Document requirements.

1.8 PROJECT CONDITIONS

A. Site Information: Data concerning subsurface materials or conditions, which are based on test borings, ~~will be~~ **have been** obtained by the Owner for his use in designing the project. This data ~~will be~~ **is** contained in a report to ~~be provided through addendum~~ **titled "Prince George Elementary School, 5400 Middle Road, Prince George, Virginia 23875 by ECS Mid-Atlantic, LLC dated January 22, 2021** . This report ~~will be~~ **is** included in this project manual for information only.

1. The accuracy or completeness of the data is not warranted or guaranteed by the Owner or the Architect/Engineer, and in no event shall be considered part of the Contract Documents. The Owner and Architect/Engineer expressly disclaim any responsibility for the data as being representative of the conditions and materials that may be encountered.

B. Bidders and interested parties (prior to receipt of bids) are encouraged to conduct their own soil and subsurface investigations, examinations, tests, and exploratory borings to determine the nature of the soil conditions underlying the project site. Contact the Owner's office to make an appointment to enter the site for the purpose of conducting your own investigation prior to bid.

C. Existing Utilities: Do not interrupt existing utilities serving facilities occupied by the Owner of others except when permitted under the following conditions and then only after arranging to provide acceptable temporary utility services.

1. Notify Architect not less than 48 hours in advance of proposed utility interruptions.
2. Do not proceed with utility interruptions without receiving Architect's written permission.
3. Existing utilities across or along the line of work are indicated only in an approximate location. Locate all underground lines and structures. Call "Miss Utility" at 1-800-552-7001 prior to construction. If utilities are marked that are not shown on the plans, locate utility vertically and horizontally and provide information to architect. Repair and correct any damage to underground lines and structures.

1.9 SAFETY

A. Protection of Persons and Property: Barricade open excavations occurring as part of this work and post with warning lights.

1. Operate warning lights as recommended by authorities having jurisdiction and governing regulations and standards.
2. Protect structures, utilities, sidewalks, pavements, and other facilities from damage caused by settlement, lateral movement, undermining, washout, and other hazards created by earthwork operations.

B. Work within the road right-of-way shall meet all requirements of the latest edition of the Virginia Department of Transportation Work Area Protection Manual.

PART 2 - PRODUCTS

2.1 SOIL MATERIALS

A. Satisfactory soil materials are defined as those complying with ASTM D2487 soil classification groups CL, **ML,** GC, SC, GW, GP, GM, SM, SW, and SP **with a maximum liquid limit (LL) less than 50.**

B. Unsatisfactory soil materials are defined as those complying with ASTM D2487 soil classification groups CH, OL, OH, MH, ML and PT. **CH material with a maximum liquid limit (LL) of 60 may be used as fill outside of building and parking limits if buried more than 2' below design subgrade elevations.**

C. Backfill and Fill Materials: Satisfactory soil materials free of clay, rock or gravel larger than 4 inches in any dimension (2 inches for material used in trench backfill), debris, waste, frozen materials, organics, vegetation and other deleterious matter.

D. Imported material for structural fill shall comply with ASTM D2487 soil classification groups CL, ML, SC, SM, SP, SW, GC, GM, GP, or GW **containing less than 50% by weight silt or clay and free of organic debris. Type II Select Material per Section 207.02 of the VDOT Road and Bridge Specifications shall be used within the road section.**

E. Imported material for open space fill shall comply with topsoil requirements of Lawns and Grasses specification 32 9200.

2.2 ACCESSORIES

A. Non-woven Geotextile Fabric (for drainage): Mirafi 160N, or equivalent.

B. Woven Geotextile Fabric (for reinforcement): Mirafi 600X, or equivalent.

PART 3 – EXECUTION

3.1 PREPARATION

A. Protect structures, utilities, sidewalks, pavements, and other facilities from damage caused by settlement, lateral movement, undermining, washout, and other hazards created by earthwork operations.

B. Preparation of subgrade for earthwork operations including removal of vegetation, topsoil, debris, obstructions, and deleterious materials from ground surface is specified in Section 311000 "Site Clearing."

C. Protect and maintain erosion and sedimentation controls during earthwork operations.

3.2 DEWATERING

A. Prevent surface water and subsurface or groundwater from flowing into excavations and from flooding project site and surrounding area.

1. Do not allow water to accumulate in excavations. Remove water to prevent softening of foundation bottoms, undercutting footings, and soil changes detrimental to stability of subgrade and foundations. Provide and maintain pumps, well points, sumps, suction and discharge lines, and other dewatering system components necessary to convey water away from excavations.

2. Establish and maintain temporary drainage ditches and other diversions outside excavation limits to convey rain water and water removed from excavations to collecting or runoff areas. Do not use utility trench excavations as temporary drainage ditches.
3. Do not allow water from the project to be conveyed to neighboring properties or improvements. Prevent damage to neighboring properties or improvements from dewatering operations.

B. Should any springs or running water be encountered in the excavation, notify the Architect and provide discharge by trenches (or other acceptable means) and drain to an appropriate point of disposal. Provide temporary drainage facilities to minimize the flow of rainwater onto adjacent property. Repair any damage to property or to subgrade as a result of construction and/or dewatering (or lack thereof) operations at no additional cost to the Contract. If permanent provision must be made for disposal of water other than as indicated, the Contract price shall be adjusted.

~~3.3 EXPLOSIVES~~

~~A. Blasting may be done only if authorized by the Owner and local authorities having jurisdiction. When explosives are used, experienced powdermen or persons who are licensed or otherwise authorized to use explosives shall execute the work. Explosives shall be stored, handled, and used in accordance with local regulations and with the "Manual of Accident Prevention in Construction" of the Associated General Contractor of America, Inc. Correct any damage to foundations or other work caused by use of explosives. Meeting the requirements of the blasting permit, if issued, is a Contract responsibility.~~

3.4 EXCAVATION

A. Excavation consists of removal, placement and disposal of material encountered when establishing required subgrade or finish grade elevations.
1. Excavation includes removal and disposal of pavements and other obstructions visible on ground surface; underground structures, utilities and other items indicated to be demolished and removed; together with earth and other materials encountered that are not classified as rock or unauthorized excavation.

B. Rock Excavation: If Rock is encountered the Owner's Geotechnical Engineer will verify that the material qualifies for classification as rock excavation.
1. If rock is encountered in grading, remove to depths as follows:
   a) Under surfaced areas, to 6" under the respective subgrade for such areas.
   b) Under grass and planted areas - 12" below finished grade.
   c) Under footings – Two feet below bottom of footing, One foot outside of perimeter of footing.
   d) Under trenches – 6" below bottom of trench.
2. The above are considered pay limits.
3. Contractor shall employ a surveyor licensed in the Commonwealth of Virginia to calculate the quantity of material removed as Rock Excavation. The quantity of rock calculated shall not exceed the volume determined by the payment limits. The Owner's Project Representative shall review the quantity calculated within 48 hours of receiving the survey notes.

3.5 EXCAVATION FOR BUILDING PAD AND STRUCTURES

A. Conform to elevations and dimensions indicated within a tolerance of plus or minus 0.10 foot, and extending a sufficient distance from footings and foundations to permit placing and removal of concrete formwork, installation of services, other construction and for review.

B. Excavations for footings and foundations: Do not disturb bottoms of excavation. Excavate by hand to elevations required just before concrete reinforcement is placed. Trim bottoms to required lines and grades to leave solid base to receive other work.

1. Where rock is encountered, carry excavation to required elevations and backfill with crushed stone prior to installation of footing.

C. Excavation for Underground Tanks, Basins, and Mechanical or Electrical Structures: Conform to elevations and dimensions indicated within a tolerance of plus or minus 0.10 foot plus a sufficient distance to permit placing and removal of concrete formwork, installation of services, other construction and for review. Do not disturb bottom of excavations intended for bearing surface.

3.6 EXCAVATION FOR WALKS AND PAVEMENTS

A. Cut surface under pavements to comply with cross-sections, elevations and grades as indicated.

3.7 EXCAVATION FOR UTILITY TRENCHES

A. Excavate trenches to uniform width, sufficiently wide to provide ample working room and a minimum of 6 to 9 inches of clearance on both sides of pipe or conduit.

B. Excavate trenches to depth indicated or required to establish indicated slope and invert elevations and to support bottom of pipe or conduit on undisturbed soil. Beyond building perimeter, excavate trenches to allow installation of top of pipe below frost line.

1. Where rock is encountered, carry excavation to required elevations and backfill with VDOT #57 crushed stone prior to installation of pipe.
2. For pipes or conduit less than 6 inches in nominal size, and for flat-bottomed, multiple-duct conduit units, do not excavate beyond indicated depths. Hand-excavate bottom cut to accurate elevations and support pipe or conduit on undisturbed soil.
3. For pipes and equipment 6 inches or larger in nominal size, shape bottom of trench to fit bottom of pipe for 90 degrees (bottom 1/4 of the circumference). Fill depressions with tamped sand backfill. At each pipe joint, dig bell holes to relieve pipe bell of loads ensure continuous bearing of pipe barrel on bearing surface.

3.8 EXCAVATION STABILITY

A. General: Comply with local codes, ordinances, and requirements of agencies having jurisdiction.

B. Slope sides of excavations to comply with local codes, ordinances, and requirements of agencies having jurisdiction. Shore and brace where sloping is not possible because of space restrictions or stability of material excavated. Maintain sides and slopes of excavations in safe condition until completion of backfilling.

C. Shoring and Bracing: Provide materials for shoring and bracing, such as sheet piling, uprights, stringers, and cross braces, in good serviceable condition. Maintain shoring and bracing in excavations regardless of time period excavations will be open. Extend shoring and bracing as excavation progresses.

3.9 SUBGRADE INSPECTION

A. Notify Architect when mass, trench and footing excavations have reached required subgrade. The Architect will arrange for an inspection of conditions by the Owner's Geotechnical Engineer. *Alternative procedures for arranging this review may be implemented at the Owner's written option*.

B. If the Owner's Geotechnical Engineer determines that the subgrade bearing conditions are unacceptable, the Architect will authorize additional excavation until suitable bearing conditions are encountered.

C. Proof-roll subgrade below the building slabs and pavements with heavy pneumatic-tired equipment to identify soft pockets and areas of excess yielding. Do not proof-roll wet or saturated subgrades.

1. Completely proof-roll subgrade in one direction, repeating proof-rolling in direction perpendicular to first direction. Limit vehicle speed to 3 mph (5 km/h).
2. Proof-roll with a loaded 10-wheel, tandem-axle dump truck weighing not less than 15 tons (13.6 tonnes).
3. Excavate soft spots, unsatisfactory soils, and areas of excessive pumping or rutting, as determined by Architect, and replace with compacted backfill or fill as directed.

D. Under supervision of the Owner's Geotechnical Engineer, proofroll subgrade in cut areas below the building pad and pavement(s) with a loaded dump truck or other approved pneumatic tired vehicle. Should any unstable sub-soil be encountered below pavement or structures, break up the top eight inches of ground surface, pulverize, moisture-condition to optimum moisture content, and compact to percentage of maximum density as stated in Percentage of Maximum Density Requirements. Perform this work at no additional cost and/or time to the Contract.

E. Reconstruct subgrades damaged by freezing temperatures, frost, rain, accumulated water, or construction activities, as directed by Architect, without additional compensation.

3.10 ADDITIONAL EXCAVATION

A. Additional Excavation (Mass): Remove excavated materials and dispose of off-site as directed by the Architect. Replace this excavated material with satisfactory material placed and compacted according to the requirements of the "Placement and Compaction" section.

B. Additional Excavation in Trenches: Remove excavated materials and dispose of off-site as directed by the Architect. Replace this excavated material with stone.

C. Additional Excavation in Footings: Remove excavated materials and dispose of off-site as directed by the Architect. Replace this excavated material with lean concrete/flowable fill or with stone extending 12 inches laterally beyond the footing in all directions.

D. The quantity of material removed as Additional Excavation (Mass, Trench or Footing) shall be calculated (on an in-situ basis) by a surveyor licensed in the Commonwealth of Virginia and employed by the Contractor. The Owner's Project Representative shall review the quantity calculated within 48 hours of receiving the survey notes.

E. Protect the subgrade during construction. During wet conditions, the subgrade soils may become saturated and soften, possibly resulting in damage to the subgrade if disturbed by equipment. Correct subgrade damaged in this manner. **No additional payment will be made to correct subgrade damaged in this manner**.

3.11 UNAUTHORIZED EXCAVATION

A. Correct Unauthorized Excavation as follows:
   1. Under footings, foundation bases, or retaining walls, fill unauthorized excavation by extending indicated bottom elevation of footing or base to excavation bottom without altering required top elevation. Lean concrete fill may be used to bring elevations to proper position when acceptable to Architect.
   2. Elsewhere, backfill and compact unauthorized excavations as indicated for authorized excavations of same classification unless otherwise directed by Architect.

3.12 STORAGE OF EXCAVATED MATERIALS

A. Temporarily stockpile excavated materials acceptable for use as backfill and fill. Place, grade, and shape stockpiles for proper drainage. Cover to prevent windblown dust.
   1. Stockpile excavated materials away from edge of excavations. Do not store within the drip line of trees to remain.

3.13 BACKFILL AND FILL

A. Backfill excavations as promptly as work permits, but not until completion of the following:
   1. Acceptance by local authority having jurisdiction of construction below finished grade, including perimeter insulation.
   2. Review, approval, and recording of the locations of underground utilities.
   3. Removal of concrete formwork.
   4. Removal of shoring and bracing (including backfilling of voids with satisfactory materials).
   5. Removal of trash and debris from excavation.
   6. Permanent or temporary horizontal bracing is in place on horizontally supported walls.

B. Place backfill on subgrades free of mud, frost, snow or ice.

C. Ground Surface Preparation: Remove vegetation, debris, obstructions, and deleterious materials from ground surface prior to placement of fills.

D. Bench sloped surfaces steeper than 1 vertical to 4 horizontal so fill material will bond with existing material. Plow, scarify, bench or break up sloped surfaces flatter than 1 vertical to 4 horizontal so fill material will bond with existing material.

E. Place soil material in layers to required subgrade elevations, for each area classification listed below, using materials indicated in Part 2 of this Section.
   1. Under grassed areas, use satisfactory excavated or borrow material.
   2. Under walks, curbs, and pavements, use satisfactory excavated or borrow material.
   3. Under building slabs, use satisfactory excavated or borrow materials and drainage/porous fill material as indicated.

3.14 UTILITY TRENCH BACKFILL

A. Place backfill on subgrades free of mud, frost, snow, or ice.

B. Place and compact bedding course on trench bottoms and where indicated. Shape bedding course to provide continuous support for bells, joints, and barrels of pipes and for joints, fittings, and bodies of conduits.

C. Backfill trenches with concrete where trench excavations pass within 18 inches of column or wall footings and that are carried below bottom of such footings or that pass under wall footings. Place concrete to level of bottom of adjacent footing.

D. Provide 4-inch- (100-mm-) thick, concrete-base slab support for piping or conduit less than 30 inches (750 mm) below surface of roadways. After installing and testing, completely encase piping or conduit in a minimum of 4 inches (100 mm) of concrete before backfilling or placing roadway subbase.

E. Place and compact initial backfill of subbase material, free of particles larger than 1 inch (25 mm) in any dimension, to a height of 12 inches (300 mm) over the utility pipe or conduit.
   1. Carefully compact initial backfill under pipe haunches and compact evenly up on both sides and along the full length of utility piping or conduit to avoid damage or displacement of piping or conduit. Coordinate backfilling with utilities testing.

F. Controlled Low-Strength Material: Place initial backfill of controlled low-strength material to a height of 12 inches (300 mm) over the utility pipe or conduit.

G. Backfill voids with satisfactory soil while installing and removing shoring and bracing.

H. Place and compact final backfill of satisfactory soil to final subgrade elevation.

I. Controlled Low-Strength Material: Place final backfill of controlled low-strength material to final subgrade elevation.

J. Install warning tape directly above utilities, 12 inches (300 mm) below finished grade, except 6 inches (150 mm) below subgrade under pavements and slabs.

K. Do not backfill trenches until any required testing and inspections have been completed and Architect authorizes backfilling. Backfill carefully to avoid damage or displacement of pipe systems.

L. Under piping and conduit and equipment, use crushed stone where required over rock bearing surface and for correction of unauthorized excavation. Shape excavation bottom to fit bottom 90 degrees of cylinder.

M. Place backfill and fill materials evenly adjacent to structures, piping, or conduit to required elevations. Prevent wedging action of backfill against structures or displacement of piping or conduit by carrying material uniformly around structure, piping, or conduit to approximately same elevation in each lift.

3.15 SOIL MOISTURE CONTROL

A. Uniformly moisten or aerate subgrade and each subsequent fill or backfill soil layer before compaction to within ~~2~~ **3** percentage points of optimum moisture content.

1. Do not place backfill or fill soil material on surfaces that are muddy, frozen, or contain frost or ice.
2. Remove and replace, or scarify and air dry otherwise satisfactory soil material that exceeds optimum moisture content by ~~2~~ **3** percentage points and is too wet to compact to specified dry unit weight.

B. Moisture Control: Where subgrade or layer of soil material must be moisture conditioned before compaction, uniformly apply water to surface of subgrade or layer of soil material. Apply water in minimum quantity as necessary to prevent free water from appearing on surface during or subsequent to compaction operations. Maintain the moisture content of the structural fill materials to within 2 percentage points of the optimum moisture content until permanently covered.

C. Remove and replace, or scarify and air dry, soil material that is too wet to permit compaction to required density.

1. Stockpile or spread soil material that has been removed because it is too wet to permit compaction. Assist drying by discing, harrowing, or pulverizing until moisture content is reduced to a satisfactory value.
2. Work wet materials as directed by the Owner's Geotechnical Engineer. Base bids on working material daily for a maximum of five days of acceptable weather.
3. No additional payment will be made for these operations.

3.16 COMPACTION OF SOIL BACKFILL AND FILLS

A. Place backfill and fill materials in layers not more than 8 inches in loose depth for material compacted by heavy compaction equipment, and not more than 4 inches in loose depth for material compacted by hand-operated tampers.

B. Before compaction, moisten or aerate each layer as necessary to provide optimum moisture content. Compact each layer to required percentage of maximum dry density or relative dry density for each area classification. Do not place backfill or fill material on surfaces that are muddy, frozen, or contain frost or ice.

C. Control soil and fill compaction, providing minimum percentage of density indicated for each area classification indicated below. Correct improperly compacted areas or lifts as directed by Architect if soil density tests indicate inadequate compaction.

D. Percentage of Maximum Density Requirements: Compact soil to not less than the following percentages of maximum density at a moisture content within ~~2~~ **3** percentage points of optimum in accordance with ASTM D698:

1. Under structures, building pad and pavements, compact each layer of backfill or fill material at 95 percent maximum density. This includes ground under future expansion areas.
2. Under grass or unpaved areas, compact each layer of backfill or fill material at 90 percent maximum density.

E. Seal all fill areas at the end of each working day, utilizing a smooth drum roller.

3.17 GRADING

A. General: Rough grading of areas within the Project, including cut and fill sections and adjacent transition areas, shall be reasonably smooth, compacted and free from irregular surface changes. The degree of finish shall be that ordinarily obtainable from either blade-grader or motor patrol except as otherwise indicated. The finished subgrade surface from the grassed areas generally shall be not more than 0.2 feet above or below the final grade or approved cross section, with due allowance for topsoil.

B. The tolerance for areas within 10 feet of building perimeter, walks and all areas to be paved shall not exceed 0.10 feet above or below the established subgrade. Finish all ditches, swales and gutters to drain readily. Unless otherwise indicated, evenly slope the subgrade to provide drainage away from building walls in all directions at a grade not less than ¼ inch per foot. Provide rounding at top and bottom of cut and fill slopes and at other breaks in grade.

C. Protection of Graded Areas: Protect newly graded areas and areas of cut, fill and design/subgrade elevations from the actions of the elements and from deterioration as a result of construction operations and weather conditions (frost, rains, snow, sleet, hail, etc.). Repair any settlement or washing that occurs prior to or after acceptance of the work. Fill to required subgrade levels any areas where settlement occurs. Protect trees to remain, and, at all areas of the Site where construction operations are in progress, provide protection for the safety of occupants of the existing facilities.

D. General: Uniformly grade areas to a smooth surface, free of irregular surface changes. Comply with compaction requirements and grade to cross sections, lines, and elevations indicated.

1. Provide a smooth transition between adjacent existing grades and new grades.
2. Cut out soft spots, fill low spots, and trim high spots to comply with required surface tolerances.

E. Site Grading: Slope grades to direct water away from buildings and to prevent ponding. Finish subgrades to required elevations within the following tolerances:

1. Lawn or Unpaved Areas: Plus or minus 1 inch (25 mm).
2. Walks: Plus or minus 1 inch (25 mm).
3. Pavements: Plus or minus 1/2 inch (13 mm).

F. Grading inside Building Lines: Finish subgrade to a tolerance of 1/2 inch (13 mm) when tested with a 10-foot (3-m) straightedge.

3.18 PAVEMENT SUBBASE COURSE:

A. General: Place subbase material, in layers of indicated thickness, over subgrade surface to support a pavement base course.

B. Grade Control: During construction, maintain lines and grades including crown and cross-slope of subbase course.

C. Shoulders: Place shoulders along edges of subbase course to prevent lateral movement. Construct shoulders of acceptable soil materials, placed in such quantity to compact to thickness of each subbase course layer. Compact and roll at least at 12" width of shoulder simultaneously with compacting and rolling each layer of subbase course.

D. Placing: Place subbase course material on prepared subgrade in layers of uniform thickness, conforming to indicated cross-section and thickness. Maintain optimum moisture content for compacting subbase material during placement operations.

E. When a compacted subbase course is 6" thick or less, place material in a single layer. When more than 6" thick, place material in equal layers, except no single layer more than 6" or less than 3" in thickness when compacted.

F. Place subbase and base course on subgrades free of mud, frost, snow, or ice.

G. On prepared subgrade, place subbase and base course under pavements and walks as follows:
   1. Place base course material over subbase course under hot-mix asphalt pavement.
   2. Shape subbase and base course to required crown elevations and cross-slope grades.
   3. Place subbase and base course 6 inches (150 mm) or less in compacted thickness in a single layer.
   4. Place subbase[and base] course that exceeds 6 inches (150 mm) in compacted thickness in layers of equal thickness, with no compacted layer more than 6 inches (150 mm) thick or less than 3 inches (75 mm) thick.
   5. Compact subbase and base course at optimum moisture content to required grades, lines, cross sections, and thickness to not less than 95 percent of maximum dry unit weight according to ASTM D 698.

H. Pavement Shoulders: Place shoulders along edges of subbase and base course to prevent lateral movement. Construct shoulders, at least 12 inches (300 mm) wide, of satisfactory soil materials and compact simultaneously with each subbase and base layer to not less than 95 percent of maximum dry unit weight according to ASTM D 698.

3.19 BUILDING SLAB DRAINAGE COURSE

A. General: Place drainage/porous fill material, over subgrade surface to support concrete building slabs and sidewalks areas indicated.

B. Place drainage course on subgrades free of mud, frost, snow, or ice.

C. Placing: Place drainage/porous fill material on prepared subgrade in layers of uniform thickness, conforming to indicated cross-section and thickness. Maintain optimum moisture content for compacting material during placement operations.

D. When a compacted drainage course is indicated to be 6 inches thick or less, place material in a single layer. When indicated to be more than 6 inches thick, place material in equal layers, except no single layer more than 6 inches or less than 3 inches in thickness when compacted.

3.20 FIELD QUALITY CONTROL

A. Quality Control Testing During Construction: Allow testing service to inspect and approve each subgrade and fill layer before further backfill or construction work is performed.

1. If in the opinion of the Architect, based on testing service reports and inspection, subgrade or fills have been placed that are below required density, perform additional compaction and testing until required density is obtained.

B. The Owner will engage, and pay for, the services of a Geotechnical Engineer whose function shall be to afford complete engineering control by testing of the conditions of all footing subgrades, the placement of all structural fills under structures, building pad and pavement areas, and all compaction where required, and to observe the proof rolling of the building pad and pavement areas.

C. The Owner's Geotechnical Engineer will be present as deemed necessary during all phases of the Work requiring filling, compaction operations or testing. The Geotechnical Engineer will provide the Architect with written certification that fill and compaction was completed with accepted materials in accordance with the Documents, and give a professional opinion regarding shrinkage or settlement of fill and safe load bearing capacity of fill.

D. Site Preparation and Proofrolling: The Owner's Geotechnical Engineer will determine if any additional excavation or in-place densification is necessary to prepare a subgrade for fill placement for slab or pavement support.

E. Fill Placement and Compaction: The Owner's Geotechnical Engineer will witness all fill operations and take sufficient in-place density tests to verify that the indicated degree of fill compaction is achieved. The Owner's Geotechnical Engineer will observe and approve borrow materials used and shall determine if their existing moisture contents are suitable/acceptable.

F. Footing Excavation Review: The Owner's Geotechnical Engineer will review the footing excavations for the building foundations. He will verify that the design bearing pressures are available and that no loose or soft areas exist beneath the bearing surfaces of the footing excavations.

G. The Owner's Geotechnical Engineer will submit two (2) copies each of his reports, recommendations and/or opinions to the Architect/Engineer and the Owner. Pertinent information will be provided to the Contractor as required.

3.21 EROSION CONTROL:

A. Provide erosion control methods in accordance with requirements of authorities having jurisdiction, the Virginia Erosion and Sediment Control Handbook, and as indicated in the Contract Documents.

3.22 PROTECTION

A. Repair and reestablish grades in settled, eroded, and rutted areas to indicated tolerances.

B. Reconditioning Compacted Areas: Where subsequent construction operations or adverse weather disturbs completed compacted areas, scarify surface, reshape, and compact to required density prior to further construction.

C. Settling: Where settling is measurable or observable at excavated areas during general project warranty period, remove surface (pavement, lawn, or other finish), add backfill material, compact, and replace surface treatment. Restore appearance, quality, and condition of surface or finish to match adjacent work, and eliminate evidence of restoration to greatest extent possible.

D. Protect excavation bottoms against freezing when atmospheric temperature is less than 35 degrees F.

3.23 DISPOSAL OF WASTE MATERIALS

A. Removal from Owner's Property: Remove excess and/or waste materials, including trash and debris, and dispose of it off Owner's property in a legal manner.

B. Dispose of excess material and materials not acceptable for use as backfill or fill legally offsite.

C. Do not remove topsoil from site until it has been demonstrated to the Owner's satisfaction that it is excess.

END OF SECTION 31 2000

February 2, 2021

Mr. Stephen E. Halsey, AIA
Moseley Architects
3200 Norfolk Avenue
Richmond, Virginia 23230

ECS Project No. 03:13537

Reference: Addendum No. 1
Report of Subsurface Exploration and Geotechnical Engineering
Prince George Elementary School
5400 Middle Road
Prince George, Virginia

Dear Mr. Halsey:

Submitted herein is Addendum 1 to our report of subsurface exploration and geotechnical engineering dated January 22, 2021. The purpose of this addendum is to submit the minimum recommended pavement sections for Middle Road. In preparing this addendum, we were provided with design AADTs for the roadways.

Design AADT: We understand that the current year AADT for Middle Road is 8,100 Vehicles Per Day (VPD) and the growth rate for future traffic is approximately 1% compounded annually.

Design CBR: Based on the results of our soil test borings completed across the project site, it appears that the majority of the site soils that will be exposed as pavement subgrades will consist of soils comprised of Sandy Lean Clay (CL), Silty Sand (SM), and Clayey Sand (SC). Considering the variability of the subgrade materials and the presence of cohesive soils at design subgrade elevations, and based on laboratory CBR testing, we recommend a maximum design CBR value of 7.2 be used in dimensioning the pavement sections.

Minimum Recommended Pavement Section: The following minimum pavement section is recommended for Middle Road. The project design Civil Engineer should review actual traffic patterns and loading to determine whether or not these sections are appropriate.

Middle Road Pavement (AADT of 8,100 VPD)

Asphalt Surface	- 2.0 inches Asphalt Concrete Surface Mix (SM-12.5A)
Asphalt Base	- 3.0 inches Asphalt Concrete Base Mix (BM-25.0A)
Aggregate Base	- 8.0 inches untreated Aggregate Base Material, Type I, Size 21-B
Subgrade	- Stable and compacted to a dry density of at least 95% of the soil's Standard Proctor maximum dry density (ASTM D698) to a depth of 10.0 inches below subgrade elevation

Pavement Drainage: Drainage for the pavement section can be achieved using either VDOT standard UD-4 underdrains or by daylighting the aggregate base layer to roadside ditches. If underdrains are utilized, outlets should be provided at a maximum spacing of 350 feet.

We appreciate the opportunity to be of service to Moseley Architects during the design phase of this project. If you should have any questions regarding the information and recommendations contained in this addendum, or if we can be of further assistance, please do not hesitate to contact us.

Respectfully Submitted,

ECS Mid-Atlantic, LLC

Digitally signed by Brian M Jasion
Date: 2021-02-02 16:26:07

COMMONWEALTH OF VIRGINIA
BRIAN M. JASION
Lic. No. 052294
PROFESSIONAL ENGINEER

Brian M Jasion, P.E.
Senior Project Engineer

Robert C. Moss III, P.E.
Principal Engineer

Distribution: Client via email [SHalsey@moseleyarchitects.com
Timmons via email [Greg.Nelson@timmons.com; Craig.Krupp@timmons.com]

BID SET

NEW PRINCE GEORGE ELEMENTARY SCHOOL

PRINCE GEORGE COUNTY SCHOOLS
PRINCE GEORGE COUNTY, VIRGINIA

DOE PROJECT#: 074-38-00-100

MOSELEYARCHITECTS

3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

TIMMONS GROUP — CIVIL ENGINEERS
1001 BOULDERS PARKWAY, SUITE 300 — RICHMOND, VA 23225

FOODSERVICE CONSULTANTS STUDIO, INC — FOOD SERVICE CONSULTANTS
3420 PUMP RD, #158 — HENRICO, VA 23233

VICINITY MAP

LOCATION MAP

DRAWING INDEX

VOLUME 2 OF 3

..	COVER VOL. 2
GENERAL	
G1.1	GENERAL INFORMATION - AIR BARRIER
LIFE SAFETY	
LS1.0	CODE SUMMARY
LS1.1	LIFE SAFETY INFORMATION
LS2.1	LIFE SAFETY FIRST FLOOR PLAN
LS2.2	LIFE SAFETY SECOND FLOOR PLAN
LS3.1	FIRE RESISTANCE RATED ASSEMBLIES
LS3.2	FIRE RESISTANCE RATED ASSEMBLIES
LS3.3	FIRE RESISTANCE RATED ASSEMBLIES
LS3.4	FIRE RESISTANCE RATED ASSEMBLIES
LS3.5	FIRE RESISTANCE RATED ASSEMBLIES
ARCHITECTURAL	
A0.1	GENERAL ARCHITECTURAL INFORMATION
A0.2	WALL/PARTITION TYPES, WALL JOINTS AND TERMINATIONS
A1.2.1	ARCHITECTURAL SITE PLAN
A1.2.2	SITE DETAILS
A1.2.3	SITE DETAILS
A1.2.4	SITE DETAILS *AD 01
A1.2.5	SITE DETAILS
A2.0.1	OVERALL FIRST FLOOR PLAN
A2.0.2	OVERALL SECOND FLOOR PLAN
A2.1.1	FIRST FLOOR PLAN - PART A
A2.1.2	FIRST FLOOR PLAN - PART B
A2.1.3	FIRST FLOOR PLAN - PART C
A2.1.4	SECOND FLOOR & PENTHOUSE PLAN - PART A
A2.1.5	SECOND FLOOR & PENTHOUSE PLAN - PART B
A2.1.6	SECOND FLOOR & PENTHOUSE PLAN - PART C
A2.2.0	FIRST FLOOR PLAN DETAIL DIAGRAM
A2.2.1	SECOND FLOOR PLAN DETAIL DIAGRAM
A2.3.1	PLAN DETAILS
A2.3.2	PLAN DETAILS
A2.3.3	PLAN DETAILS
A2.3.4	PLAN DETAILS
A2.3.5	PLAN DETAILS
A3.0.1	FINISH SCHEDULE
A3.0.2	FIRST FLOOR - PART A, FLOOR PATTERNS
A3.0.3	FIRST FLOOR - PART B, FLOOR PATTERNS
A3.0.4	FIRST FLOOR - PART C, FLOOR PATTERNS
A3.0.5	SECOND FLOOR - PART A, FLOOR PATTERNS
A3.0.6	SECOND FLOOR - PART B, FLOOR PATTERNS
A3.0.7	SECOND FLOOR - PART C, FLOOR PATTERNS
A3.0.8	ENLARGED TOILET ROOM FLOOR & WALL PATTERNS
A3.0.9	ENLARGED TOILET ROOM FLOOR & WALL PATTERNS
A3.1.1	DOOR AND FRAME SCHEDULE
A3.1.2	DOOR, FRAME AND GLAZING TYPES
A3.1.3	ALUMINUM STOREFRONT & CURTAIN WALL TYPES
A3.2.1	DOOR AND FRAME DETAILS
A3.2.2	DOOR AND FRAME DETAILS
A3.2.3	DOOR AND FRAME DETAILS
A3.2.4	DOOR AND FRAME DETAILS
A3.2.5	DOOR AND FRAME DETAILS
A3.2.6	DOOR AND FRAME DETAILS
A4.1.1	OVERALL BUILDING ELEVATIONS
A4.1.2	BUILDING ELEVATIONS
A4.1.3	BUILDING ELEVATIONS
A4.1.4	BUILDING ELEVATIONS
A4.2.1	INTERIOR ELEVATIONS
A4.2.2	INTERIOR ELEVATIONS
A4.2.3	INTERIOR ELEVATIONS
A5.0.1	BUILDING SECTIONS
A5.1.1	WALL SECTIONS, EXTERIOR WALL ASSEMBLIES, & APC SHAPES
A5.1.2	WALL SECTIONS
A5.1.3	WALL SECTIONS
A5.1.4	WALL SECTIONS
A5.1.5	WALL SECTIONS
A5.1.6	WALL SECTIONS
A5.1.7	WALL SECTIONS
A5.1.8	WALL SECTIONS
A5.1.9	WALL SECTIONS
A5.1.10	WALL SECTIONS
A5.1.11	WALL SECTIONS
A5.1.12	WALL SECTIONS
A5.1.13	WALL SECTIONS
A5.1.14	WALL SECTIONS
A5.1.15	WALL SECTIONS
A5.1.16	WALL SECTIONS
A5.2.1	ENLARGED DETAILS & SECTIONS
A5.2.2	ENLARGED DETAILS & SECTIONS
A6.1.1	ENLARGED STAIR & RAMP DETAILS
A6.1.2	ENLARGED STAIR PLANS & SECTIONS
A6.1.3	STAIR SECTIONS & DETAILS
A7.1.1	TOILET ASSEMBLIES, SCHEDULE AND ENLARGED PLANS
A7.1.2	ENLARGED TOILET PLANS
A7.1.3	ENLARGED FLOOR PLAN - LIBRARY
A8.1.1	CASEWORK ELEVATIONS
A8.1.2	CASEWORK ELEVATIONS
A8.1.3	CASEWORK ELEVATIONS & SECTIONS
A9.1	REFLECTED CEILING PLAN - FIRST FLOOR PART A
A9.2	REFLECTED CEILING PLAN - FIRST FLOOR PART B
A9.3	REFLECTED CEILING PLAN - FIRST FLOOR PART C
A9.4	REFLECTED CEILING PLAN -SECOND FLOOR PART A
A9.5	REFLECTED CEILING PLAN -SECOND FLOOR PART B
A9.6	REFLECTED CEILING PLAN -SECOND FLOOR PART C
A10.1	ROOF PLAN
A10.2	ROOF DETAILS
A10.3	ROOF DETAILS *AD 01
A10.4	ROOF DETAILS
A10.5	ROOF PLAN - BID ALTERNATE
QF101	FOODSERVICE EQUIPMENT LAYOUT
QF201	FOODSERVICE PLUMBING & VENTILATION ROUGH-INS
QF202	FOODSERVICE ELECTRICAL ROUGH-INS
QF301	FOODSERVICE EXHAUST HOOD DETAILS
QF302	FOODSERVICE UTILITY DISTRIBUTION SYSTEM DETAILS
QF303	FOODSERVICE SERVING COUNTER DETAILS
STRUCTURAL	
S0.0.1	GENERAL NOTES AND LEGENDS
S0.0.2	SCHEDULE OF SPECIAL INSPECTIONS
S1.0.1	OVERALL BUILDING DIMENSION PLAN
S1.1.1	FOUNDATION PLAN - PART A
S1.1.2	FOUNDATION PLAN - PART B
S1.1.3	FOUNDATION PLAN - PART C
S1.1.4	FOUNDATION PLAN - MECHANICAL YARD AND STORAGE BLDG
S1.1.5	SLAB CONTROL JOINT PLAN
S2.1.1	SECOND FLOOR AND LOW ROOF FRAMING PLAN - PART A
S2.1.2	SECOND FLOOR AND LOW ROOF FRAMING PLAN - PART B
S2.1.3	SECOND FLOOR AND LOW ROOF FRAMING PLAN - PART C
S2.2.1	ROOF FRAMING PLAN - PART A
S2.2.2	ROOF FRAMING PLAN - PART B
S2.2.3	ROOF FRAMING PLAN - PART C
S2.3.1	HIGH ROOF FRAMING PLAN - PART A
S2.3.2	HIGH ROOF FRAMING PLAN - PART C
S3.0.1	TYPICAL FOUNDATION DETAILS
S3.0.2	TYPICAL SLAB DETAILS
S3.0.3	TYPICAL FOUNDATION DETAILS
S3.1.1	FOUNDATION SECTIONS
S4.0.1	TYPICAL MASONRY WALL AND LINTEL DETAILS
S4.0.2	TYPICAL FRAMING DETAILS
S4.0.3	TYPICAL FRAMING DETAILS
S4.1.1	FRAMING SECTIONS
S4.1.2	FRAMING SECTIONS
S4.1.3	FRAMING SECTIONS
S4.2.1	FRAMING SECTIONS
S4.2.2	FRAMING SECTIONS
S4.2.3	FRAMING SECTIONS
S4.2.4	FRAMING SECTIONS
S4.2.5	FRAMING SECTIONS

THE CONTRACT DOCUMENTS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL.
IN CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
STEPHEN ELLIS HALSEY
Lic. No. 0401010134
01-24-2021
ARCHITECT

NEW PRINCE GEORGE ELEMENTARY SCHOOL
DOE PROJECT#: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: January 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

COVER VOL. 2

SET NO.

2/4/2021 10:18:21 AM

SITE LAYOUT KEYNOTES

1	VDOT STANDARD CG-6 CURB & GUTTER
2A	VDOT STANDARD CG-12 TYPE 'A' RAMP
2B	VDOT STANDARD CG-12 TYPE 'B' RAMP
3	VDOT STANDARD CG-2 CURB
4	REGULATORY SIGN OR MARKING, REFER TO DRAWING C4.10 FOR DETAILS
5	CONCRETE WHEEL STOP
6	LOADING / RECEIVING AREA
7	SCREENED MECHANICAL YARD, REFER TO ARCHITECTURAL DRAWINGS
8	HARD SURFACE PLAY AREA
9	FITNESS AREA
10	MULTI-PURPOSE GRASS PLAY AREA
11	FLUSH CURB
12	DUMPSTER PAD w/ SCREENING, REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS
13	SOFTBALL FIELD, REFER TO DRAWING C4.40 FOR DETAILS
14	VDOT STANDARD CG-9D
15	DOUBLE SWING ROAD GATE, REFER TO C4.20 FOR DETAILS
16	12' CHAINLINK, DOUBLE SWING GATE, REFER TO 4.20 FOR DETAIL
17	VDOT STD. CG-3
18	6' CHAIN LINK FENCE (BLACK PVC CLAD)
19	6' CHAIN LINK FENCE (NON-COATED GALVANIZED)
20	KNOX BOX
21	SCHOOL MARQUEE SIGN, REFER TO ARCHITECTURAL DRAWINGS FOR DETAIL
22	PROVIDE EXPANSION JOINT IN SIDEWALK AT RIGHT OF WAY LINE
23	4FT VALLEY GUTTER
24	6" BOLLARD
25	GROUND MOUNTED FLAGPOLE REFER TO ARCHITECTUAL DRAWINGS
26	VDOT STD. CG-7 (MOUNTABLE CURB & GUTTER)

PAVEMENT LEGEND

	HEAVY DUTY ASPHALT
	MEDIUM DUTY ASPHALT
	LIGHT DUTY ASPHALT
	CONCRETE SIDEWALK
	HEAVY DUTY CONCRETE
	REINFORCED PAD, REFER TO STRUCTURAL DRAWINGS FOR DETAIL
	STONE SECTION MECHANICAL YARD
	PLAYGROUND SURFACING
	6" GRAVEL SECTION (VDOT TYPE 1, NO. 21B)
	RUBBERIZED SURFACE (REFER TO ARCHITECTURAL DRAWINGS)

CURVE TABLE

CURVE	RADIUS	LENGTH	TANGENT	DELTA	CHORD BEARING	CHORD
C11	735.71	145.19	72.83	11°18'25"	N31°32'15"E	144.95
C12	1154.00	187.28	93.84	9°17'53"	N32°40'46"E	187.07
C13	1166.00	143.96	72.07	7°04'26"	N41°55'34"E	143.86
C14	766.00	65.43	32.74	4°53'39"	N47°54'37"E	65.41
C15	825.49	111.58	55.87	7°44'40"	S60°46'22"W	111.49
C16	754.00	120.80	60.53	9°10'45"	N63°06'29"E	120.67

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
GREGORY DAVID NELSON
Lic. No. 049202
01/15/2021
PROFESSIONAL ENGINEER

TIMMONS GROUP
5000 SOUTH BROAD STREET, SUITE 200
TEL: (804) 561-9000
FAX: (804) 561-9010
WWW.TIMMONSGROUP.COM

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT# 074-38-00-100
PRINCE GEORGE COUNTY PUBLIC SCHOOLS
4700 ROMANS ROAD, PRINCE GEORGE, VA 23875

PROJECT NO: 45407
DATE: JANUARY 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

LAYOUT PLAN

C4.01

NOTE: REFER TO DRAWING C4.01 FOR FENCE FINISH. FOR PVC CLAD, ALL FENCE FABRIC, FITTINGS, AND HARDWARE SHALL BE BLACK PVC CLAD.

6' CHAINLINK FENCE

NO SCALE

PRECAST BUMPER BLOCK

AVAILABLE IN 4'-0" TO 8'-0" LENGTHS
NO SCALE

*AD 01

SEALANT FOR HD EXPANSION JOINTS

NO SCALE

JOINT SEALANT DETAIL

NO SCALE *AD 01

DETAIL OF HEAVY DUTY CONCRETE SLAB CONTROL JOINT

NO SCALE

NOTES:

1. CONTROL JOINT SHALL HAVE 10' MAXIMUM SPACING

2. SEAL WITH AN APPROVED JOINT SEALANT. A BAND BREAKING MATERIAL IS TO BE PROVIDED BETWEEN THE JOINT FILLER AND SEAL

DETAIL OF HEAVY DUTY CONCRETE SLAB EXPANSION JOINT

NO SCALE

NOTES:

1. EXPANSION JOINT SHALL HAVE 30' MAXIMUM SPACING

DOUBLE SWING GATE

NO SCALE

NOTE: FENCE FABRIC, FITTINGS, AND HARDWARE SHALL BE BLACK PVC CLAD, WHERE INDICATED ON SHEETS C4.01 AND C4.02

BACKSTOP SEC A-A

NO SCALE

NOTE: BACKSTOP FENCE FABRIC, FITTINGS, AND HARDWARE SHALL BE BLACK PVC CLAD

GATES SHALL BE 2" GALVANIZED PIPE (WELD SEAMS AND PAINT W/ GALVANIZED PRIMER AND PAINT)

DOUBLE SWING ROAD GATE

DETAIL OF SOFTBALL FIELD

NO SCALE

TYPICAL CURB TRANSITION (CG-6/CG-2 TO CG-3)

NO SCALE

PAVEMENT SECTIONS

PAVEMENT SECTIONS ARE TAKEN FROM "REPORT OF GEOTECHNICAL STUDY PROPOSED PRINCE GEORGE ELEMENTARY SCHOOL" BY ECS MID-ATLANTIC LLC PREPARED FOR MOSELEY ARCHITECTS, DATED JANUARY 21, 2021

HEAVY DUTY ASPHALT PAVEMENT SECTION

NO SCALE

DENOTES HEAVY DUTY ASPHALT PAVEMENT ON PLANS

MEDIUM DUTY ASPHALT PAVEMENT SECTION

NO SCALE

DENOTES MEDIUM DUTY ASPHALT PAVEMENT ON PLANS

LIGHT DUTY ASPHALT PAVEMENT SECTION

NO SCALE

DENOTES LIGHT DUTY ASPHALT PAVEMENT ON PLANS

STANDARD SIDEWALK PAVEMENT SECTION

NO SCALE

NOTE: MAXIMUM 2% CROSS SLOPE, MAXIMUM 5% LONGITUDINAL SLOPE ON ALL SIDEWALKS

DENOTES CONCRETE PAVEMENT ON PLANS

GRAVEL MECHANICAL YARD

NO SCALE

DENOTES GRAVEL MECHANICAL YARD PAVEMENT ON PLANS

HEAVY DUTY CONCRETE SECTION

NO SCALE

DENOTES HEAVY CONCRETE PAVEMENT ON PLANS

SIDEWALK AND CONTROL JOINT

NO SCALE

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
GREGORY DAVID NELSON
Lic. No. 049202
01/15/2021
PROFESSIONAL ENGINEER

TIMMONS GROUP

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT# 074-38-00-100
PRINCE GEORGE COUNTY PUBLIC SCHOOLS
4700 ROMANS ROAD, PRINCE GEORGE, VA 23875

PROJECT NO: 45407
DATE: JANUARY 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

SITE NOTES AND DETAILS

C4.20

PRINCE GEORGE COUNTY MINIMUM LANDSCAPE REQUIREMENTS

Landscape Buffer Requirements (sec. 90-826.2.a)

Yard	Requirement		Length / Width	Calculation	Required	Provided
Yard-A (East)	Landscape Type:		669 - 32 Entry - If Esmt			**
	Lg Evgrn Tree:	1 / 15	- 85 If Drive Aisle	(552 ÷ 15) x 1 = 36.80	Lg Evgrn Tree: 37	Lg Decid Tree: 13
	Sm Evgrn Tree:	1 / 5	= 552 If	(552 ÷ 5) x 1 = 110.40	Sm Evgrn Tree: 111	Flowering Tree: 96
	Med. Shrub:	1 / 3	15 Feet Wide	(552 ÷ 3) x 1 = 184.00	Med. Shrub: 184	Med. Shrub: 96
Yard-B (West)	Landscape Type:		2307 - Entry - If Esmt			**
	Lg Evgrn Tree:	1 / 15	- 1510 If Exist Veg	(797 ÷ 15) x 1 = 53.13	Lg Evgrn Tree: 54	Lg Decid Tree: 23
	Sm Evgrn Tree:	1 / 5	= 797 If	(797 ÷ 5) x 1 = 159.40	Sm Evgrn Tree: 160	Evgrn Tree: 39
	Med. Shrub:	1 / 3	15 Feet Wide	(797 ÷ 3) x 1 = 265.67	Med. Shrub: 266	Flowering Tree: 35

Interior Tree Requirements (sec.90-826.5.1 & 2)

Requirement	Parking Spaces	Calculation	Required	Provided
1 Deciduous tree per 10 parking spaces	171	171 ÷ 10 = 17.1	18 Deciduous Trees	17 Large dciduous trees 4 Small dciduous trees

Perimeter Landscape Requirements (90-826.4.a & b)

Requirement	Length	Calculation	Required	Provided
Landscape planting strip Min. width: 10'	N/A	N/A	Plantings	92 Shrubs

* 2 EXISTING LARGE EVERGREEN TREES TO REMAIN AND APPLIED TOWARD REQUIREMENT.
** THOUGH REQUIRED PLANTINGS ARE NOT MET, THE PLANNING DEPARTMENT HAS AWARDED AN ALTERNATE LANDSCAPE DESIGN THAT ACCOMMODATES THE SITE APPROPRIATELY.

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
NEAL P. BEASLEY
Lic. No. 1628
1/24/2021
LANDSCAPE ARCHITECT

TIMMONS GROUP

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT# 074-38-00-100
PRINCE GEORGE COUNTY PUBLIC SCHOOLS
4700 ROMANS ROAD, PRINCE GEORGE, VA 23875

PROJECT NO: 45407
DATE: JANUARY 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

OVERALL LANDSCAPE PLAN

L1.00

PLANT KEY

EVERGREEN TREE	QTY	BOTANICAL NAME
MAG GRA	4	MAGNOLIA GRANDIFLORA
FLOWERING TREES	QTY	BOTANICAL NAME
AME ARB	4	AMELANCHIER ARBOREA
CER CAN	7	CERCIS CANADENSIS `FOREST PANSY`
COR FLO	2	CORNUS FLORIDA `CHEROKEE PRINCESS`
LAG MUS	4	LAGERSTROEMIA INDICA `MUSKOGEE`
MAG SWE	5	MAGNOLIA VIRGINIANA
LARGE TREES	QTY	BOTANICAL NAME
ACE RUB	1	ACER RUBRUM `RED SUNSET`
NYS WIL	1	NYSSA SYLVATICA `WILDFIRE`
PLA ACE	2	PLATANUS X ACERIFOLIA
QUE PHL	5	QUERCUS PHELLOS
ULM PRI	2	ULMUS AMERICANA `PRINCETON`
EVERGREEN SHRUBS	QTY	BOTANICAL NAME
ILE DWA	14	ILEX CORNUTA `DWARF BURFORD`
ILE GLA	19	ILEX GLABRA
PRU OTT	15	PRUNUS LAUROCERASUS `OTTO LUYKEN`
THU EME	11	THUJA OCCIDENTALIS `EMERALD`

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-9690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
NEAL P. BEASLEY
Lic. No. 1628
1/24/2021
LANDSCAPE ARCHITECT

TIMMONS GROUP

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT# 074-38-00-100
PRINCE GEORGE COUNTY PUBLIC SCHOOLS
4700 ROMANS ROAD, PRINCE GEORGE, VA 23875

PROJECT NO: 45407
DATE: JANUARY 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

LANDSCAPE PLAN

L1.04

Thank you for purchasing TREEDIAPER®
For best results, please follow these procedures to install and use your TreeDiaper® product!

TREEDIAPER®
Advanced Plant Hydration System
For Trees and Shrubs
INSTRUCTIONS

A) Placing treemat up to 2 months before the dry season of your region

1. Place the TreeDiaper® product on top of soil around plants. Make sure the pellets inside the TreeDiaper® product are evenly distributed.

2. (Recommended, but optional) Cover with 2" of mulch to disguise and protect the TreeDiaper® product. **Do not cover with soil**. Landscaping staples can be used in a high wind region.

3. Water trees if wilting or yellow leaves appear or once every three to four (3-4) weeks if less than 1" of rainfall during that period.

B) Placing treemat during or less than two months before drought

1. Place the TreeDiaper® product completely submerged in water in a sink or bucket for at least 5 hours or overnight.

2. Follow steps 1-3 from procedure A.

C) Using treemat with an irrigation system

1. Follow procedure A or B.

2. Let drip irrigation water the top of the mat.

NOTE:
- **Always place the mat with the darker black woven side facing up!**
- Covering with mulch, pine needles, or leaves is recommended.
- Do not place any soil, dirt, fine sand, compost, or iron-based sticks or tomato cage on top of TreeDiaper® products. This may result in the loss of functionalities of TreeDiaper® products.
- Direct contact of fertilizers with the material in use or in storage may temporarily or permanently affect the performance of the product.
- Do not poke TreeDiaper® products with sticks. Damage to the surface integrity of the TreeDiaper® products may decrease functionality of the product.

If you have any questions, please email info@treediaper.com.
Version 2.0.17. Updated on 9/25/2017

zynnovation LLC

NOTE:
TREE DIAPER TO BE USED FOR TREES WITHIN WESTERN BUFFER (YARD-B).

CARE OF SEEDLINGS UNTIL PLANTED
SEEDLINGS SHOULD BE PLANTED IMMEDIATELY. IF IT IS NECESSARY TO STORE MOSS-PACKED SEEDLINGS FOR MORE THAN 2 WEEKS, ONE PINT OF WATER PER PKG. SHOULD BE ADDED. IF CLAY-TREATED, DO NOT ADD WATER TO PKG. PACKAGES MUST BE SEPARATED TO PROVIDE VENTILATION TO PREVENT "HEATING". SEPARATE PACKAGES WITH WOOD STRIPS AND STORE OUT OF THE WIND IN A SHADED, COOL (NOT FREEZING) LOCATION.

CARE OF SEEDLINGS DURING PLANTING
WHEN PLANTING, ROOTS MUST BE KEPT MOIST UNTIL TREES ARE IN THE GROUND. DO NOT CARRY SEEDLINGS IN YOUR HAND EXPOSED TO THE AIR AND SUN. KEEP MOSS-PACKED SEEDLINGS IN A CONTAINER PACKED WITH WET MOSS OR FILLED WITH THICK MUDDY WATER. COVER CLAY-TREATED SEEDLINGS WITH WET BURLAP ONLY. ALL BARE ROOT SEEDLINGS SHALL BE TREATED WITH ROOT DIP ABSORBENT POLYMERS AND MYCORRHIZAL ROOT DIP INOCULATES IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. SAID ROOT DIP SHALL BE MYCORTREE® ROOT DIP OR APPROVED EQUAL.

HAND PLANTING

9 TUBELING AND BARE-ROOT INSTALLATION
NTS

5 GROUNDCOVER PLANTING DETAIL
NTS

SODDING PROCEDURE:
1. THE GENERAL CONTRACTOR WILL PROVIDE GRADES TO (+/- 20) OF A FOOT OF PROPOSED GRADES.
2. CULTIVATE ENTIRE AREA TO A MINIMUM DEPTH OF 6", HAND-RAKE SMOOTH.
3. ADD ADDITIVES (PER SOIL TEST ANALYSIS) & ROTOTILL.
4. WATER AREA TO BE SODDED PRIOR TO LAYING SOD.
5. LAY & ROLL SOD, WATER THOROUGHLY.

6 SOD INSTALLATION DETAIL
1" = 1'-0"

1 DECIDUOUS TREE PLANTING DETAIL
NTS

2 MULTI-STEM TREE PLANTING DETAIL
NTS

7 REFORESTATION (BARE-ROOT)
3/4" = 1'-0"

3 EVERGREEN TREE PLANTING DETAIL
NTS

8 REFORESTATION SIGN
3/4" = 1'-0"

4 SHRUB PLANTING DETAIL
NTS

GENERAL NOTES

PRE-CONSTRUCTION

- CONTRACTOR IS RESPONSIBLE FOR CONTACTING "MISS UTILITY" AT 1.800.552.7001 FOR LOCATION OF ALL UTILITY LINES.TREES SHALL BE LOCATED A MINIMUM OF 5 FEET FROM SEWER/WATER CONNECTIONS. NOTIFY LANDSCAPE ARCHITECT OF CONFLICTS.
- VERIFY ALL PLANT MATERIAL QUANTITIES ON THE PLAN PRIOR TO BIDDING. PLANT LIST TOTALS ARE FOR CONVENIENCE ONLY AND SHALL BE VERIFIED PRIOR TO BIDDING.
- PROVIDE PLANT MATERIALS OF QUANTITY, SIZE, GENUS, SPECIES, AND VARIETY INDICATED ON PLANS. ALL PLANT MATERIALS AND INSTALLATION SHALL COMPLY WITH RECOMMENDATIONS AND REQUIREMENTS OF ANSI Z60.1 "AMERICAN STANDARD FOR NURSERY STOCK". IF SPECIFIED PLANT MATERIAL IS NOT OBTAINABLE, SUBMIT PROOF OF NON AVAILABILITY TO THE LANDSCAPE ARCHITECT, TOGETHER WITH PROPOSAL FOR USE OF EQUIVALENT MATERIAL.
- PROVIDE AND INSTALL ALL PLANTS AS IN ACCORDANCE WITH DETAILS AND CONTRACT SPECIFICATIONS.
- SOIL TESTS SHALL BE PERFORMED TO DETERMINE SOIL CHARACTER AND QUALITY. NECESSARY SOIL AMENDMENTS SHALL BE PERFORMED PER TEST RESULTS TO ENSURE PLANT HEALTH.

CONSTRUCTION/INSTALLATION

- LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REJECT ANY PLANTS AND MATERIALS THAT ARE IN AN UNHEALTHY OR UNSIGHTLY CONDITION, AS WELL AS PLANTS AND MATERIALS THAT DO NOT CONFORM TO ANSI Z60.1 "AMERICAN STANDARD FOR NURSERY STOCK"
- LABEL AT LEAST ONE TREE AND ONE SHRUB OF EACH VARIETY AND CALIPER WITH A SECURELY ATTACHED, WATERPROOF TAG BEARING THE DESIGNATION OF BOTANICAL AND COMMON NAME.
- INSTALL LANDSCAPE PLANTINGS AT ENTRANCES/EXITS AND PARKING AREAS ACCORDING TO PLANS SO THAT MATERIALS WILL NOT INTERFERE WITH SIGHT DISTANCES.
- CONTRACTOR IS RESPONSIBLE FOR WATERING ALL PLANT MATERIAL DURING INSTALLATION AND UNTIL FINAL INSPECTION AND ACCEPTANCE BY OWNER. CONTRACTOR SHALL NOTIFY OWNER OF CONDITIONS WHICH AFFECTS THE GUARANTEE.

INSPECTIONS/GUARANTEE

- UPON COMPLETION OF LANDSCAPE INSTALLATION, THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE GENERAL CONTRACTOR WHO WILL VERIFY COMPLETENESS, INCLUDING THE REPLACEMENT OF ALL DEAD PLANT MATERIAL. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A FINAL INSPECTION BY THE LANDSCAPE ARCHITECT.
- ALL EXTERIOR PLANT MATERIALS SHALL BE GUARANTEED FOR ONE FULL YEAR AFTER DATE OF FINAL INSPECTION AGAINST DEFECTS INCLUDING DEATH AND UNSATISFACTORY GROWTH. DEFECTS RESULTING FROM NEGLECT BY THE OWNER, ABUSE OR DAMAGE BY OTHERS, OR UNUSUAL PHENOMENA OR INCIDENTS WHICH ARE BEYOND THE CONTRACTORS CONTROL ARE NOT THE RESPONSIBILITY OF THE CONTRACTOR.
- PLANT MATERIAL QUANTITIES AND SIZES WILL BE INSPECTED FOR COMPLIANCE WITH APPROVED PLANS BY A SITE PLAN REVIEW AGENT OF THE PLANNING DEPARTMENT PRIOR TO THE RELEASE OF THE CERTIFICATE OF OCCUPANCY.
- REMOVE ALL GUY WIRES AND STAKES 12 MONTHS AFTER INSTALLATION.

PLANT SCHEDULE						
EVERGREEN TREE	QTY	BOTANICAL NAME	COMMON NAME	MIN. INSTALLED SIZE	ROOT	
ILE AME	9	ILEX OPACA	AMERICAN HOLLY	6` HT.	B&B	
ILE NEL	14	ILEX X `NELLIE R STEVENS`	HOLLY	8` HT.	B&B	
JUN EST	10	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	6` HT.	CONTAINER	
MAG GRA	10	MAGNOLIA GRANDIFLORA	SOUTHERN MAGNOLIA	6` HT.	B&B	
FLOWERING TREES	QTY	BOTANICAL NAME	COMMON NAME	MIN. INSTALLED SIZE	ROOT	
AME ARB	19	AMELANCHIER ARBOREA	DOWNY SERVICEBERRY	2" CAL.	B&B	
CER CAN	33	CERCIS CANADENSIS `FOREST PANSY`	EASTERN REDBUD	2" CAL.	B&B	
COR FLO	13	CORNUS FLORIDA `CHEROKEE PRINCESS`	CHEROKEE PRINCESS DOGWOOD	6` HT.	B&B	
CRA VIR	4	CRATAEGUS VIRIDIS `WINTER KING`	WINTER KING HAWTHORN	8` HT.	B&B	
LAG MUS	10	LAGERSTROEMIA INDICA `MUSKOGEE`	MUSKOGEE CRAPE MYRTLE	8` HT.	B&B	
MAG SWE	5	MAGNOLIA VIRGINIANA	SWEET BAY	8` HT.	B&B	
LARGE TREES	QTY	BOTANICAL NAME	COMMON NAME	MIN. INSTALLED SIZE	ROOT	
ACE RUB	14	ACER RUBRUM `RED SUNSET`	RED MAPLE	2" CAL.	B&B	
BET NIG	4	BETULA NIGRA `DURAHEAT`	RIVER BIRCH	10` HT	B&B	
NYS WIL	11	NYSSA SYLVATICA `WILDFIRE`	BLACK GUM	2" CAL.	B&B	
PLA ACE	15	PLATANUS X ACERIFOLIA	LONDON PLANE TREE	2" CAL.	B&B	
QUE PHL	24	QUERCUS PHELLOS	WILLOW OAK	2" CAL.	B&B	
ULM PRI	15	ULMUS AMERICANA `PRINCETON`	AMERICAN ELM	2" CAL.	B&B	
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	MIN. INSTALLED SIZE	ROOT	SPACING
ITE LIT	307	ITEA VIRGINICA `LITTLE HENRY` TM	VIRGINIA SWEETSPIRE	18" HT.	CONTAINER	30" o.c.
EVERGREEN SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	MIN. INSTALLED SIZE	ROOT	SPACING
ILE DWA	37	ILEX CORNUTA `DWARF BURFORD`	DWARF BURFORD HOLLY	24" HT/SPRD	CONTAINER	48" o.c.
ILE GLA	57	ILEX GLABRA	INKBERRY HOLLY	24" HT./SPRD.	CONTAINER	48" o.c.
ILE RED	30	ILEX VERTICILLATA `RED SPRITE`	RED SPRITE WINTERBERRY	18" HT.	CONTAINER	48" o.c.
ILE SCH	92	ILEX VOMITORIA `SCHILLINGS`	SCHILLINGS YAUPON HOLLY	18" HT/SPRD	CONTAINER	48" o.c.
PRU OTT	32	PRUNUS LAUROCERASUS `OTTO LUYKEN`	LUYKENS LAUREL	24" HT/SPRD	CONTAINER	60" o.c.
THU EME	19	THUJA OCCIDENTALIS `EMERALD`	EMERALD ARBORVITAE	5` HT	CONTAINER	54" o.c.
GRASSES	QTY	BOTANICAL NAME	COMMON NAME	MIN. INSTALLED SIZE	ROOT	SPACING
PAN SHE	112	PANICUM VIRGATUM `SHENANDOAH`	SWITCH GRASS	18-24" HT/SPREAD	CONTAINER	36" o.c.
SOD/SEED	QTY	BOTANICAL NAME	COMMON NAME	MIN. INSTALLED SIZE	ROOT	SPACING
SOD	16,523 SF	SOD	SOD	SOD		

AD-01

AD-01

* QUANTITIES ARE PROVIDED FOR CONVENIENCE ONLY AND SHALL BE VERIFIED PRIOR TO BIDDING.
* ALL DISTURBED AREAS TO BE SEEDED UNLESS OTHERWISE CALLED OUT AS HARDSCAPE, MULCH, OR SOD.

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
NEAL P. BEASLEY
Lic. No. 1628
1/24/2021
LANDSCAPE ARCHITECT

TIMMONS GROUP

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT# 074-38-00-100
PRINCE GEORGE COUNTY PUBLIC SCHOOLS
4700 ROMANS ROAD, PRINCE GEORGE, VA 23875

PROJECT NO: 45407
DATE: JANUARY 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

LANDSCAPE NOTES AND DETAILS

L2.00

MIDDLE ROAD TYPICAL SECTION
GS-7 URBAN COLLECTOR - 45 MPH DESIGN SPEED

STA. 103+49.24 TO STA. 109+00.00

BERM DITCH - LEFT

STA. 106+00.00 TO STA. 107+83.51

MIDDLE ROAD TYPICAL SECTION
GS-7 URBAN COLLECTOR - 45 MPH DESIGN SPEED

STA. 109+00.00 TO STA 118+00.00

MIDDLE ROAD TYPICAL SECTION
GS-7 URBAN COLLECTOR - 45 MPH DESIGN SPEED

STA. 118+00.00 TO STA 121+41.81

*AD 01

* OR AS CONTROLLED BY SUPERELEVATION

*** UNLESS OTHERWISE DENOTED ON CROSS SECTIONS OR INSTRUCTED BY ENGINEER. MILL AND OVERLAY EXISTING PAVEMENT AS NECESSARY TO ACHIEVE REQUIRED CROSS SLOPE.

NOTE: ALL PAVEMENT SAW CUTS SHALL BE PERFORMED 1' INSIDE THE EXISTING EDGE OF PAVEMENT. ALL PAVEMENT WIDENING SHALL BE PERFORMED IN ACCORDANCE WITH VDOT ST'D. WP-2.

MOSELEYARCHITECTS
3200 NORFOLK STREET RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
CRAIG WILLIAM KRUPP
Lic. No. 0402053003
01/24/2021
PROFESSIONAL ENGINEER

TIMMONS GROUP

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT# 074-38-00-100
PRINCE GEORGE COUNTY PUBLIC SCHOOLS
4700 ROMANS ROAD, PRINCE GEORGE, VA 23875

PROJECT NO:45407
DATE: JANUARY 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

TYPICAL SECTIONS

R2.01

MEANS OF EGRESS

1003.5 Elevation change

- Where changes in elevation of less than 12 inches exist in the means of egress, sloped surfaces shall be provided
- Where the slope is greater than 1:20, ramps complying with Section 1010 shall be provided
- Where the difference in elevation is 6 inches or less, ramps shall be provided with **floor finish materials that contrast with adjacent floor finish materials**

1004.1 Design Occupant Load

- Refer to Drawing LS1.1 for the FACILITY OCCUPANT LOAD
- Refer to Drawings LS2.1 through LS2.2 for the OCCUPANCY SCHEDULE

1004.3 Posting of occupant load

- Occupancy signage shall be provided for assembly occupancy spaces

1005.1 Minimum required egress width

- Refer to Drawings LS2.1 through LS2.2 for egress capacities for exits and stairways

1006.2.1 Egress based on occupant load and common path of egress travel

2 exits or exit access shall be provided where occupant load or common path of egress travel distance exceed the following:

Occupancy / Maximum Number of Occupants	Not Sprinklered Maximum Common Path Travel Distance		Sprinklered Maximum Common Path Travel Distance
	Occupant Load 30 or less	Occupant Load over 30	
A,E / 49	75	75	75
B / 49	100	75	100
S / 29	100	75	100

1009.3 Means of egress stairways

- All means of egress stairways shall be considered accessible means of egress
- Means of egress stairways between stories have a clear width of 48 inches between handrails and an area of refuge
  - Exception: Exit access from mezzanines are permitted as part of accessible means of egress
  - Exception: 48 inch clear width and areas of refuge not required where building is fully sprinklered
  - Exception: Areas of refuge not required for stairways where 2-way communication provided at elevator landing

1009.4 Elevators

- Exception: Areas of refuge not required where building is fully sprinklered

1010.1.9.11 Stairway doors

- Interior stairway means of egress doors shall be openable from both sides without the use of a key or special knowledge or effort
  - Exception 3: In stairways serving not more than four stories, doors shall be locked from the non-egress side and capable of being unlocked simultaneously without unlatching by signal from the fire command center or from a single location inside the main entrance to the building

1010.2 Gates

- Gates do serve as a component of the means of egress, and shall comply with the applicable requirements for doors

1011.7.3 Enclosures under stairways

- Walls and soffits of enclosed spaces under stairways shall be protected by 1-hour rated construction or rating of stairway enclosure, whichever is greater; access to the enclosed space shall not be directly from within the stair enclosure

1011.12 Stairway to roof

- Access provided by stairway through a penthouse complying with Section 1510.2

1015.2 Where required [guards]

- Guards are not provided for the following locations:
  - Exception 1: Loading side of loading dock
  - Exception 2: Audience side of stages and raised platforms, including at steps leading to same
  - Exception 3: On raised stages and platforms, including ramps and side stages
  - Exception 4: At openings in performance area of stages and platforms

1017.2 Exit access travel distance limit

- 250 feet w/sprinkler system for **A, E, S-1** occupancies
- 300 feet w/sprinkler system for B occupancies

Table 1020.1 Corridor Fire-Resistance Rating

Occupancy	Occupant Load served by corridor	Required Fire-Resistance Rating (hours)	
		Without sprinkler system	With sprinkler system
A, B, E, S	Greater than 30	1	0

1018.2 Corridor width

- Other than as listed below, minimum corridor width is determined by required egress width, but not less than 44 inches
- 24 inches minimum for access to electrical, mechanical or plumbing systems
- 36 inches minimum where required capacity is less than 50
- 72 inches minimum in group E where required capacity is 100 or more

1020.4 Dead ends

- Exit access corridors shall not exceed 20 feet in length
  - Exception 2: 50 feet in Groups B, E, and S in fully sprinklered building
  - Exception 3: Unlimited where length is less than 2.5 times the least width of the dead-end corridor

1024 Exit passageway

- Space(s) **XXX** shall serve as exit passageway(s)

1028.1 General [exit discharge]

- All exits discharge directly to the exterior
  - Exception 1: Maximum of 50% of number, width or capacity may egress through areas on the level of discharge
  - Exception 3: Horizontal exits

1028.5 Access to a public way

- Exception 1: Direct access from the exit discharge to a public way is not provided and a safe dispersal area shall be provided

1029.2 Assembly main exit

- Assembly main exit not required, no well-defined main exit and/or multiple main exits are distributed around the perimeter of the building

1029.7 Travel distance [assembly]

- Travel distance to an exit door shall not exceed 250 feet measured along the line of travel (sprinklered buildings)

1029.14 Seat stability

- In places of assembly, seats shall be fastened to the floor
  - Exception 2: No ramped or tiered floors and seats are at tables

ACCESSIBILITY

1104.1 Site arrival points

- Exception: Accessible route from site arrival points to building entrance is not required where no pedestrian access (sidewalk) is provided

1104.4 Multilevel buildings and facilities

- Exception 1: Accessible route not provided to levels having an aggregate area that does not exceed 3000 SF

1105.1 Public Entrances [accessible]

- Exception 1: Not required to areas that are not required to be accessible
- Exception 2: Not required at loading or service entrances

1109.2 Toilet and bathing facilities

- Exception 1: Toilets accessed through a private office, not for common or public use, and intended for use by a single occupant
- Exception 3: Where multiple single-user toilet rooms or bathing rooms are clustered at a single location, at least 50 percent but not less than one room for each use at each cluster shall be accessible.
- Exception 4: Where no more than one urinal is provided in a room, the urinal is not required to be accessible.
- Exception 7: Where toilet facilities are primarily for children's use, toilets shall be permitted to comply with the children's provisions of ICC A117.1

1109.2.1 Family or assisted-use toilet and bathing rooms

- In Assembly and Mercantile occupancies, where an aggregate of six or more male and female water closets is required
  - Exception: Where each separate sex bathing room has only one shower or bathtub, a family or assisted-use bathing room is not required

1109.9 Storage

- Where fixed or built-in storage elements such as cabinets, coat hooks, shelves, medicine cabinets, lockers, closets and drawers are provided in required accessible spaces, at least 5 percent, but not less than one of each type shall be accessible.

1111.1 Signs

- The following *accessible* elements shall be identified by the International Symbol of Accessibility:
  - Parking spaces
  - Passenger loading zones
  - Unisex toilet and bathing rooms
  - Areas of refuge

1110.2 Directional signage

- The route to the nearest like accessible element shall be provided at the following locations:
  - Inaccessible public toilets and bathing facilities
  - Elevators not serving an accessible route

1110.3 Other signs

- The following locations shall be provided with signs:
  - Assembly area with assistive listening devices
  - Each door to an area of refuge, exterior area of assisted rescue, egress stairway, exit passageway, and exit discharge

EXTERIOR WALLS

1406.3 Balconies and similar projections

- Combustible construction other than fire-retardant-treated wood shall be rated per Table 601 and limited to 50% of perimeter
- Combustible construction other than fire-retardant-treated wood shall be Type IV construction per 602.4 and limited to 50% of perimeter
  - Exception 1: Type I or II construction under 4 stories is permitted to be fire-retardant-treated wood
  - Exception 2: Untreated wood is permitted for guard rails limited to 42 inches in height
  - Exception 3: Type III, IV or V construction is permitted to be Type V with no fire rating where sprinkler protection is extended to projection area
  - Exception 4: Where sprinkler protection is extended to projection area, length not limited to 50% of perimeter

1407.10 Metal Composite Materials (MCM) [Type I, II, III and IV construction]

- **1407.11.1** MCM maximum 40 feet above grade where installed in accordance with Sections 1407.11.1.1 and 1407.11.1.2
- **1407.11.2** MCM maximum 50 feet above grade where installed in accordance with Sections 1407.11.2.1 and 1407.11.2.2

ROOF ASSEMBLIES AND ROOFTOP STRUCTURES

1505.1 General [fire classification of roof covering]

- Class A roof assembly shall be provided

1509.2 Penthouses

- Penthouses shall comply with Section 1509.2: height; area limitation; use limitation; and type of construction

STRUCTURAL DESIGN

Table 1604.5 Occupancy category of buildings and other structures

- Risk Category III

LIFE SAFETY - GENERAL DATA

BUILDING	OCCUPANCY CLASSIFICATION		CONSTRUCTION TYPE	FULLY SPRINKLERED	MIXED OCCUPANCY	NON-SEPARATED MIXED USE	SEPARATED MIXED USE	OCCUPANCY CLASSIFICATION - DESIGN
	PRIMARY	SECONDARY						
1	E: EDUCATIONAL	B: BUSINESS	I-B	Yes	Yes	Yes	No	E: EDUCATIONAL

LIFE SAFETY - FACILITY TOTAL AREA

	AREA (SF)
FIRST FLOOR	66673
SECOND FLOOR	31558
	98231
Grand total	98231

LIFE SAFETY - HEIGHT

BUILDING	SPRINKLERED	ALLOWABLE HEIGHT INCREASE	ALLOWABLE STORIES INCREASE	TABULAR HEIGHT	TABULAR STORIES	ALLOWABLE HEIGHT	ALLOWABLE STORIES	ACTUAL HEIGHT	ACTUAL STORIES
1	Yes	20' - 0"	1	160' - 0"	5	180' - 0"	6	46' - 4"	2

NEW / ALTERATIONS

OCCUPANCY	OCC LOAD	WATER CLOSETS MALE FACTOR	MALE REQ'D	MALE PROVIDED	FEMALE FACTOR	FEMALE REQ'D	FEMALE PROVIDED	LAVATORIES MALE FACTOR	MALE REQ'D	MALE PROVIDED	FEMALE FACTOR	FEMALE REQ'D	FEMALE PROVIDED	BATH TUBS/SHOWERS FACTOR	REQ'D	PROVIDED	DRINKING FOUNTAINS FACTOR	REQ'D	PROVIDED	SERVICE SINKS REQ'D	PROVIDED
A-1	70	125	0.28		65	0.54		200	0.18		200	0.18		0	0.00		500	0.14		1	
A-2 (dining, food courts)	304	75	2.03		75	2.03		200	0.76		200	0.76		0	0.00		500	0.61		1	
A-3 (gym, halls, libraries)	396	125	1.58		65	3.05		200	0.99		200	0.99		0	0.00		500	0.79		1	
B	92	25	1.90		25	1.90		40	1.20		40	1.20		0	0.00		100	0.92		1	
		50	0.00		50	0.00		80	0.00		80	0.00									
E	2091	50	20.91		50	20.91		50	20.91		50	20.91		0	0.00		100	20.91		1	
S-1 and S-2	44	100	0.22		100	0.22		100	0.22		100	0.22		(P)411			1000	0.04		1	
NEW TOTAL	**2997**		**27**	**31**		**29**	**31**		**25**	**32**		**25**	**32**		**0**	**1**		**24**	**62**	**2**	**4**

LIFE SAFETY SYMBOL LEGEND

APPLIES TO LS SERIES OF DRAWINGS ONLY

DESIGNATOR MATRIX

	WALL	BARRIER	PARTITION	RATED BEARING OR NON-BEARING WALL
2 HR FIRE				
1 HR FIRE				

SYMBOLS

- 1205 — ROOM NUMBER
- 798 | 1280 — DIRECTION OF EGRESS; EGRESS LOAD CAPACITY; NUMBER OF OCCUPANTS
- DIRECTION OF EGRESS; NUMBER OF OCCUPANTS; EGRESS LOAD CAPACITY — 798 | 1280
- XXX-X" — MAXIMUM TRAVEL DISTANCE
- XXX-X" CPOT — COMMON PATH OF TRAVEL
- FIRE EXTINGUISHER CABINET
- FIRE EXTINGUISHER BRACKET
- EXTENT OF SPRAYED-ON/APPLIED FIRE PROOFING
- EXTENT OF FLOOR / CEILING AND/OR ROOF / CEILING ASSEMBLY

NOTES:

1. WALL DESIGNATIONS ON THE LS SERIES OF DRAWINGS ARE FOR GRAPHICAL PURPOSES ONLY AND MAY NOT REPRESENT THE ACTUAL WALL/PARTITION CONSTRUCTION.
2. REFER TO THE CONTRACT DOCUMENTS, INCLUDING THE LIFE SAFETY SYMBOLS LEGEND AND A0, A1 AND, A2 SERIES OF DRAWINGS, FOR ACTUAL WALL/PARTITION TYPES AND CONSTRUCTION REQUIREMENTS.
3. RATING OF BEARING OR NON-BEARING WALLS ARE PER TABLE 601 AND SECTION 602.1 AND DO NOT REQUIRE PROTECTED OPENINGS.

FIRE RATED ASSEMBLIES

REPRESENTED BY Xn

THE ASSEMBLIES REFERENCED ARE BASIS OF DESIGN; EQUIVALENT COMPATIBLE TESTED ASSEMBLIES WILL BE ACCEPTABLE IF APPROVED BY THE LAHJ

MARK	FIRE RATING	APPLIES TO	REFERENCE	REMARKS
X1	1HR OR 2HR	MASONRY PARTITION RATINGS	UL DESIGN U906	AS INDICATED ON LIFE SAFETY PLAN
X2	1HR OR 2HR	SPRAY-ON FIRE PROOFING AT STEEL COLUMNS	UL DESIGN Y707	PRIMARY STEEL FRAME
X3	2HR	FLOOR CONSTRUCTION (INCLUDING BEAMS AND JOISTS)	UL DESIGN D902	AS INDICATED ON LIFE SAFETY PLAN
X4	1HR OR 2HR	ROOF CONSTRUCTION	UL DESIGN P739	AS INDICATED ON LIFE SAFETY PLAN
X5	2HR	CURTAINWALL PERIMETER FIRESTOP ASSEMBLY	CW-D-1014	EDGE OF SECOND FLOOR SLAB
X6	2HR	THROUGH-PENETRATING FIRESTOP SYSTEM (WALL & FLOOR)	UL DESIGN C-AJ-1338	RATED WALL AND FLOOR LOCATIONS
X7	2HR	HORIZONTAL RATED ASSEMBLY	UL DESIGN UL415	FIRE RATED CEILING ASSEMBLY, RM A115
X8	2HR	PARTITION RATINGS	UL DESIGN UL419	FIRE RATED PARTITIONS, RM A115 & MECH PENTHOUSES
X9	2HR	PERIMETER FIRE JT SYSTEM	CEJ 510971a	RATED WALL AND FLOOR LOCATIONS

*AD 01

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
STEPHEN ELLIS HALSEY
Lic. No. 0401010134
01-24-2021
ARCHITECT

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT#: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: January 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

LIFE SAFETY INFORMATION

LS1.1

2/4/2021 10:38:21 AM

N

SECOND FLOOR
1/16" = 1'-0"

OCCUPANCY SCHEDULE - SECOND FLOOR

SPACE NUMBER	SPACE NAME	USE CLASSIFICATION	USED TO DETERMINE OCCUPANCY FACTOR ONLY	FLOOR AREA PER OCCUPANT	AREA			OCCUPANCY LOAD		
					SF	GROSS	NET	TABULAR	ACTUAL	DESIGN
A201	4TH	E	EDUCATIONAL, CLASSROOM	20 SF	788		•	40		40
A202	4TH	E	EDUCATIONAL, CLASSROOM	20 SF	787		•	40		40
A203	4TH	E	EDUCATIONAL, CLASSROOM	20 SF	792		•	40		40
A204	5TH	E	EDUCATIONAL, CLASSROOM	20 SF	795		•	40		40
A205	5TH	E	EDUCATIONAL, CLASSROOM	20 SF	771		•	39		39
A206	5TH	E	EDUCATIONAL, CLASSROOM	20 SF	796		•	40		40
A207	4TH	E	EDUCATIONAL, CLASSROOM	20 SF	796		•	40		40
A208	4TH	E	EDUCATIONAL, CLASSROOM	20 SF	795		•	40		40
A209	4TH	E	EDUCATIONAL, CLASSROOM	20 SF	791		•	40		40
A212	RES	B	BUSINESS AREAS	100 SF	223	•		3		3
A213	STOR	S2	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	67	•		1		1
A214	ELEC	S2	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	51	•		1		1
A215	JAN	S2	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	65	•		1		1
A217	AP	B	BUSINESS AREAS	100 SF	176	•		2		2
A218	RES	B	BUSINESS AREAS	100 SF	251	•		3		3
A219	5TH	E	EDUCATIONAL, CLASSROOM	20 SF	780		•	39		39
A220	5TH	E	EDUCATIONAL, CLASSROOM	20 SF	769		•	39		39
A221	5TH	E	EDUCATIONAL, CLASSROOM	20 SF	793		•	40		40
B202	ELEV	S2	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	48	•		1		1
B205	BOOKS	S2	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	161	•		1		1
B206	MDF	S2	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	214	•		1		1
B207	WORKRM	B	BUSINESS AREAS	100 SF	364	•		4		4
C200	RES	B	BUSINESS AREAS	100 SF	178	•		2		2
C202	SELF CONTAINED	E	EDUCATIONAL, CLASSROOM	20 SF	771		•	39		39
C203	SELF CONTAINED	E	EDUCATIONAL, CLASSROOM	20 SF	791		•	40		40
C204	3RD	E	EDUCATIONAL, CLASSROOM	20 SF	797		•	40		40
C205	3RD	E	EDUCATIONAL, CLASSROOM	20 SF	795		•	40		40
C206	3RD	E	EDUCATIONAL, CLASSROOM	20 SF	792		•	40		40
C210	3RD	E	EDUCATIONAL, CLASSROOM	20 SF	791		•	40		40
C211	3RD	E	EDUCATIONAL, CLASSROOM	20 SF	794		•	40		40
C212	3RD	E	EDUCATIONAL, CLASSROOM	20 SF	792		•	40		40
C213	RES	B	BUSINESS AREAS	100 SF	183	•		2		2
C214	RESOURCE	E	EDUCATIONAL, CLASSROOM	20 SF	1016		•	51	49	49
C215	STOR	S2	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	92	•		1		1
C216	ELEC	S2	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	86	•		1		1
										869

B203 NOT USED

B211 NOT USED

*AD 01

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
STEPHEN ELLIS HALSEY
Lic. No. 0401010134
01-24-2021
ARCHITECT

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT#: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: January 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

LIFE SAFETY SECOND FLOOR PLAN

LS2.2

2/4/2021 10:38:28 AM

X8: UL-U419 cont.

2F. **Framing Members* — Steel Studs —** Not Shown — In lieu of Item 2 — proprietary channel shaped steel studs, minimum width indicated under Item 5, 1-1/4 in. deep fabricated from min 0.015 in. (min bare metal thickness) galvanized steel. Studs 3/8 in. to 3/4 in. less in lengths than assembly heights.
SUPER STUD BUILDING PRODUCTS — The Edge

2G. **Framing Members* — Steel Studs —** Not Shown — In lieu of Item 2 — proprietary channel shaped studs, minimum width indicated under Item 5, Studs to be cut 3/8 to 3/4 in less than the assembly height.
STUDCO BUILDING SYSTEMS — CROCSTUD

2H. **Framing Members* — Steel Studs —** (Not Shown, As an alternate to Item 2) — Fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.
TELLING INDUSTRIES L L C — TRUE-STUD™

2I. **Framing Members* — Steel Studs —**

2J. **Framing Members* — Metal Studs —** Not Shown — In lieu of Item 2 — proprietary channel shaped steel studs, min depth as indicated under Item 5, spaced a max if 24 in. OC, fabricated from min 0.018 in. thick galv steel. Studs cut 3/8 in. to 3/4 in. less in lengths than assembly heights

2K. **Framing Members* — Steel Studs —** As an alternate to Item 2 — For use with Item 1, channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.
KB METAL INC — NITROSTUD

2L. **Framing Members* — Steel Studs —** As an alternate to Item 2 — For use with Item 1, channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.
OLMAR SUPPLY INC — PRIMESTUD

2M. **Framing Members* — Steel Studs —** As an alternate to Item 2 — For use with Item 1, channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.
MARINO/WARE, DIV OF WARE INDUSTRIES INC — StudRite™

2N. **Framing Members*— Steel Studs —** As an alternate to Item 2 — proprietary channel shaped steel studs, min depth 3-1/2 in. and as indicated under Item 5, spaced a max of 24 in. OC, fabricated from min 0.018 in. thick galv steel. Studs cut 3/8 in. to 3/4 in. less in length than assembly height.
RESCUE METAL FRAMING, L L C — AlphaSTUD

2O. **Framing Members* — Steel Studs —** As an alternate to Item 2 — proprietary channel shaped steel studs, min width as indicated under Item 5, galv steel. Studs to be cut 3/8 to 3/4 in. less in lengths than assembly height. Spaced 24 in. OC max.
RONDO BUILDING SERVICES PTY LTD — Rondo Lipped Wall Stud

2P. **Framing Members* — Steel Studs —** As an alternate to Item 2 — proprietary channel shaped steel studs, min width as indicated under Item 5, min 25 MSG galv steel. Studs to be cut 3/8 to 3/4 in. less in lengths than assembly height. Spaced 24 in. OC max.
OEG BUILDING MATERIALS — OEG Stud

2Q. **Framing Members* — Steel Studs —** Not Shown — In lieu of Item 2 — For use with Item 1Q, proprietary channel shaped steel studs, min depth as indicated under Item 5, spaced a max of 24 in. OC, fabricated from min 25 MSG (0.018 in. min. bare metal thickness). Studs cut 3/8 in. to 3/4 in. less in lengths than assembly heights.
CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper X

3. **Wood Structural Panel Sheathing —** (Optional, For use with Item 5 Only) — (Not Shown) — 4 ft wide, 7/16 in. thick oriented strand board (OSB) or 15/32 in. thick structural 1 sheathing (plywood) complying with DOC PS1 or PS2, or APA Standard PRP-108, manufactured with exterior glue, applied horizontally or vertically to the steel studs. Vertical joints centered on studs, and staggered one stud space from wallboard joints. Attached to studs with flat-head self-drilling tapping screws with a min. head diam. of 0.292 in. at maximum 6 in. OC. in the perimeter and 12 in. OC. in the field. When used, gypsum panels attached over OSB or plywood panels and fastener lengths for gypsum panels increased by min. 1/2 in.

4. **Batts and Blankets* —** (Required as indicated under Item 5) — Mineral wool batts, friction fitted between studs and runners. Min nom thickness as indicated under Item 5.
See **Batts and Blankets** (BKNV or BZJZ) Categories for names of Classified companies.

4A. **Batts and Blankets* —** (Optional) — Placed in stud cavities, any glass fiber or mineral wool insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance.
See **Batts and Blankets** (BKNV or BZJZ) Categories for names of Classified companies.

4B. **Fiber, Sprayed* —** (Optional, for use with Type ULIX) Where insulation is required - Spray applied granulated mineral fiber material. The fiber is applied with adhesive at a minimum density of 4.0 pcf to completely fill the wall cavity in accordance with the application instructions supplied with the product. See **Fiber, Sprayed** (CCAZ).
AMERICAN ROCKWOOL MANUFACTURING, LLC — Type Rockwool Premium Plus

5. **Gypsum Board* —** Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) with Type ULIX need not be staggered. The thickness and number of layers for the 1 hr, 2 hr, 3 hr and 4 hr ratings are as follows:

Gypsum Board Protection on Each Side of Wall

Rating, Hr	Min Stud Depth, in. Items 2, 2C, 2D, 2F, 2G, 2O	No. of Layers & Thkns of Panel	Min Thkns of Insulation (Item 4)
1	3-1/2	1 layer, 5/8 in. thick	Optional
1	2-1/2	1 layer, 1/2 in. thick	1-1/2 in.
1	1-5/8	1 layer, 3/4 in. thick	Optional
2	1-5/8	2 layers, 1/2 in. thick	Optional
2	1-5/8	2 layers, 5/8 in. thick	Optional
2	3-1/2	1 layer, 3/4 in. thick	3 in.
3	1-5/8	3 layers, 1/2 in. thick	Optional
3	1-5/8	2 layers, 3/4 in. thick	Optional
3	1-5/8	3 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 1/2 in. thick	Optional
4	2-1/2	2 layers, 3/4 in. thick	2 in.

CGC INC — 1/2 in. thick Type C, IP-X2 or IPC-AR; WRC, 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX, WRX or WRC, 3/4 in. thick Types IP-X3 or ULTRACODE

THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — 1/2 in. thick Type C and 5/8 in. thick Type SCX

UNITED STATES GYPSUM CO — 1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type SCX, SGX, SHX, ULIX, WRX, IP-X1, AR, C, WRC, FRX-G, IP-AR, IP-X2, IPC-AR; 3/4 in. thick Types IP-X3 or ULTRACODE

USG BORAL DRYWALL SFZ LLC — 1/2 in. Type C; 5/8 in. Types C, SCX, SGX, ULTRACODE

USG MEXICO S A DE C V — 1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX, WRC or; 3/4 in. thick Types IP-X3 or ULTRACODE

When Item 7B, **Steel Framing Members*,** is used, Nonbearing Wall Rating is limited to 1 Hr. Min. stud depth is 3-1/2 in., min. thickness of insulation (Item 4) is 3 in., and two layers of gypsum board panels (1/2 in. or 5/8 in. thick) shall be attached to furring channels as described in Item 6. One layer of gypsum board panels (1/2 in. or 5/8 in. thick) attached to opposite side of stud without furring channels as described in Item 6.

5A. **Gypsum Board* —** (As an alternate to Item 5) — 5/8 in. thick, 24 to 54 in. wide, applied horizontally as the outer layer to one side of the assembly. Secured as described in Item 6.
CGC INC — Type SHX.

UNITED STATES GYPSUM CO — Type FRX-G, SHX.

USG MEXICO S A DE C V — Type SHX.

5B. **Gypsum Board* —** (Not Shown) — As an alternate to Item 5 when used as the base layer on one or both sides of wall when 5/8 in or 3/4 in. thick products are specified. For direct attachment only to steel studs Item 2A, (not to be used with Item 3) — Nom 5/8 in. or 3/4 in. may be used as alternate to all 5/8 in. or 3/4 in. shown in Item 5, Wallboard Protection on Each Side of Wall table. Nom 5/8 in. or 3/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Gypsum board secured to 20 MSG steel studs Item 2A with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. To be used with Lead Batten Strips (see Item 11) or Lead Discs or Tabs (see Item 12).
RAY-BAR ENGINEERING CORP — Type RB-LBG

5C. **Gypsum Board* —** (For Use With Item 2B) — Rating Limited to 1 Hour. 5/8 in. thick, 48 in. wide, Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. (Vertical Application) - The gypsum board is to be installed on each side of the studs with 1 in. long Type S coated steel screws spaced 8 in. OC starting 4 in. from the edge of the board at the vertical edges and 12 in. OC starting 6 in. from the edge of the board at the center of each board. Gypsum boards are to be secured to the top and bottom track with screws spaced 8 in. OC starting 4 in. from the board edge. Fasteners shall not penetrate through both the stud and the track at the same time. Vertical joints are to be centered over studs and staggered one stud cavity on opposite sides of studs. (Horizontal Application) - The gypsum board is to be installed on each side of the studs with 1 in. long Type S coated steel screws spaced 8 in. OC starting 4 in. from the edge of the board at the vertical edges and 12 in. OC starting 6 in. from the edge of the board at the center of each board. Gypsum boards are to be secured to the top and bottom track with screws spaced 8 in. OC starting 4 in. from the board edge. Fasteners shall not penetrate through both the stud and the track at the same time. All horizontal joints are to be backed as outlined under section VI of Volume 1 in the Fire Resistive Directory.
CGC INC — Type SCX, ULIX.

THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — Type SCX

UNITED STATES GYPSUM CO — Type SCX, SGX, ULIX.

USG BORAL DRYWALL SFZ LLC — Type SCX

USG MEXICO S A DE C V — Type SCX

5D. **Gypsum Board* —** (As an alternate to Item 5) — 5/8 in. thick, 48 in. wide, applied vertically or horizontally. Secured as described in Item 6. For use with Items 1 and 2 only.
CGC INC — Type USGX

UNITED STATES GYPSUM CO — Type USGX

USG BORAL DRYWALL SFZ LLC — Type USGX

USG MEXICO S A DE C V — Type USGX

5E. **Gypsum Board* —** (Not Shown) — (As an alternate to Item 5 when used as the base layer on one or both sides of wall when 1/2 in. or 5/8 in thick products are specified, For direct attachment only to steel studs Item 2A, not to be used with Item 3). Nominal 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 (or No. 6 by 1-1/4 in. long bugle head fine driller) steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field.
NEW ENGLAND LEAD BURNING CO INC, DBA NELCO — Nelco

5F. **Gypsum Board* —** (As an alternate to Item 5) — For use with Items 1E and 2E and limited to 1 Hour Rating only, Gypsum panels with beveled, square or tapered edges, applied vertically, and fastened to the steel studs with 1 in. long Type S screws spaced 8 in. OC along vertical and bottom edges and 12 in. OC in the field. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Steel stud depth shall be a minimum 3-5/8 in.
THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — Type SCX

UNITED STATES GYPSUM CO — 5/8 in. thick Type SCX, SGX, ULIX

USG BORAL DRYWALL SFZ LLC — 5/8 in. thick Type SCX, SGX

5G. **Gypsum Board* —** (As an alternate to Item 5) — For use with Items 1E and 2E only, Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally, as specified in the table below and fastened to the steel studs as described in Item 6. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. The thickness and number of layers for the 2 hr, 3 hr and 4 hr ratings are as follows:

Gypsum Board Protection on Each Side of Wall

Rating, Hr	Min Stud Depth, in. Item 2E	No. of Layers & Thickness of Panel	Min Thkns of Insulation (Item 4)
2	1-5/8	2 layers, 1/2 in. thick	Optional
2	1-5/8	2 layers, 5/8 in. thick	Optional
3	1-5/8	3 layers, 1/2 in. thick	Optional
3	1-5/8	3 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 1/2 in. thick	Optional

CGC INC — 1/2 in. thick Type C, IP-X2 or IPC-AR;, 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX or 3/4 in. thick Types IP-X3 or ULTRACODE

THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — 1/2 in. thick Types C and 5/8 in. thick SCX

UNITED STATES GYPSUM CO — 1/2 in. thick Type C, IP-X2, IPC-AR or; 5/8 in. thick Type SCX, SGX, SHX, IP-X1, AR, C, , FRX-G, IP-AR, IP-X2, IPC-AR, ULIX; 3/4 in. thick Types IP-X3 or ULTRACODE

USG BORAL DRYWALL SFZ LLC — 1/2 in. Type C; 5/8 in. Types C, SCX, SGX, ULTRACODE

USG MEXICO S A DE C V — 1/2 in. thick Type C, IP-X2, IPC-AR or; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, or; 3/4 in. thick Types IP-X3 or ULTRACODE

5H. **Gypsum Board* —** (Not Shown) — (As an alternate to Item 5 when used as the base layer on one or both sides of wall when 5/8 or 3/4 in thick products are specified. For direct attachment only to steel studs Item 2A, (not to be used with Item 3) - Nom 5/8 or 3/4 in. may be used as alternate to all 5/8 or 3/4 in. shown in Item 5, Wallboard Protection on Each Side of Wall table. Nom 5/8 or 3/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over 20 MSG steel studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Gypsum board secured to 20 MSG steel studs Item 2B with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. For Joint Compound see Item 5. To be used with Lead Batten Strips (see Item 11A) or Lead Discs (see Item 12A).
MAYCO INDUSTRIES INC — Type X-Ray Shielded Gypsum

5I. **Gypsum Board* —** (As an alternate to Item 5) — Nom. 5/8 in. thick gypsum panels with beveled, square or tapered edges installed as described in Item 5. Steel stud minimum depth shall be as indicated in Item 5.
CGC INC — Type ULIX, ULX

UNITED STATES GYPSUM CO — Type ULIX, ULX

USG MEXICO S A DE C V — Type ULX

5J. **Gypsum Board* —** (Not Shown) — (As an alternate to Item 5 when used as the base layer on one or both sides of wall when 1/2 in. or 5/8 in thick products are specified, For direct attachment only to steel studs Item 2A, not to be used with Item 3). Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws gypsum panel steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in. placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in. thick. Compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".
RADIATION PROTECTION PRODUCTS INC — Type RPP - Lead Lined Drywall

6. **Fasteners —** (Not Shown) — For use with Items 2 and 2F - Type S or S-12 steel screws used to attach panels to studs (Item 2) or furring channels (Item 7). **Single layer systems:** 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 8 in. OC when panels are applied horizontally, or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when panels are applied vertically. **Single layer system with Type ULIX:** 1 in. long, spaced 12 in. OC in the field and perimeter, when panels are applied horizontally or vertically.**Two layer systems:** First layer- 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels or 2-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC with screws offset 8 in. from first layer.**Three-layer systems:** First layer- 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in., 5/8 in. thick panels or 2-5/8 in. long for 5/8 in. thick panels, spaced 24 in. OC. Fourth layer- 2-5/8 in. long for 1/2 in. thick panels or 3 in. long for 5/8 in. thick panels, spaced 12 in. OC Screws offset min 6 in. from layer below.

7. **Furring Channels —** (Optional, Not Shown, for single or double layer systems) — Resilient furring channels fabricated from min 25 MSG corrosion-protected steel, spaced vertically a max of 24 in. OC. Flange portion attached to each intersecting stud with 1/2 in. long Type S-12 steel screws. Not for use with Item 5A.

7A. **Framing Members* —** (Optional on one or both sides, not shown, for single or double layer systems) — As an alternate to Item 7, furring channels and Steel Framing Members as described below:
a. **Furring Channels —** Formed of No. 25 MSG galv steel. 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board attached to furring channels as described in Item 6. Not for use with Item 5A.

b. **Steel Framing Members* —** Used to attach furring channels (Item 7Aa) to studs (Item 2). Clips spaced max. 48 in. OC. RSIC-1 and RSIC-1 (2.75) clips secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. RSIC-V and RSIC-V (2.75) clips secured to studs with No. 8 x 9/16 in. minimum self-drilling, S-12 steel screw through the center hole. Furring channels are friction fitted into clips. RSIC-1 and RSIC-V clips for use with 2-9/16 in. wide furring channels. RSIC-1 (2.75) and RSIC-V (2.75) clips for use with 2-23/32 in. wide furring channels.
PAC INTERNATIONAL L L C — Types RSIC-1, RSIC-V, RSIC-1 (2.75), RSIC-V (2.75).

7B. **Framing Members* —** (Optional, Not Shown) — As an alternate to Item 7, for single or double layer systems, furring channels and Steel Framing Members on only one side of studs as described below:
a. **Furring Channels —** Formed of No. 25 MSG galv steel, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Batts and Blankets placed in stud cavity as described in Item 5. Two layers of gypsum board attached to furring channels as described in Item 5. Not for use with Item 5A.

b. **Steel Framing Members* —** Used to attach furring channels (Item 7Ba) to one side of studs (Item 2) only. Clips spaced 48 in. OC., and secured to studs with two No. 8 x 2-1/2 in. coarse drywall screws, one through the hole at each end of the clip. Furring channels are friction fitted into clips.
KINETICS NOISE CONTROL INC — Type Isomax

7C. **Framing Members* —** (Not Shown) — (Optional on one or both sides, not shown, for single or double layer systems) — As an alternate to Item 7, furring channels and Steel Framing Members as described below:
a. **Furring Channels —** Formed of No. 25 MSG galv steel. 2-3/8 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board attached to furring channels as described in Item 6. Not for use with Item 5A.

b. **Steel Framing Members* —** Used to attach furring channels (Item 7Ca) to studs (Item 2). Clips spaced max. 48 in. OC. GENIECLIPS secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. Furring channels are friction fitted into clips.
PLITEQ INC — Type GENIECLIP

7D. **Steel Framing Members* —** (Optional on one or both sides, not shown, for single or double layer systems) — Furring channels and Steel Framing Members as described below:
a. **Furring Channels —** Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire.. Gypsum board attached to furring channels as described in Item 6. Not for use with Item 5A.

b. **Steel Framing Members* —** Used to attach furring channels (Item 7Da) to studs. Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips
STUDCO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips - Type A237 or A237R

7E. **Steel Framing Members* —** (Optional on one or both sides, not shown, for single or double layer systems) — Furring channels and Steel Framing Members as described below:
a. **Furring Channels —** Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire.. Gypsum board attached to furring channels as described in Item 6. Not for use with Item 5A and 5E.

b. **Steel Framing Members* —** Used to attach furring channels (Item 7Ea) to studs. Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.
REGUPOL AMERICA — Type SonusClip

7F. **Steel Framing Members* —** (Optional on one or both sides, not shown, for single or double layer systems) — Resilient channels and Steel Framing Members as described below:
a. **Resilient Channels —** Formed of No. 25 MSG galv steel, spaced 24 in. OC, and perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and secured in place with two No. 8 15 x 1/2 in. Philips Modified Truss screws spaced 2-1/2 in. from the center of the overlap. Gypsum board attached to resilient channels as described in Item 5. Not for use with Item 5A and 5E.

b. **Steel Framing Members* —** Used to attach resilient channels (Item 7Fa) to studs. Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Resilient channels are secured to clips with one No. 10 x 1/2 in. pan-head self-drilling screw.
KEENE BUILDING PRODUCTS CO INC — Type RC+ Assurance Clip

7G. **Framing Members* —** (Optional on one or both sides, not shown, for single or double layer systems) — As an alternate to Item 7, furring channels and Steel Framing Members as described below:
a. **Furring Channels —** Formed of No. 25 MSG galv steel. 2-23/32 in. wide by 7/8 in. or 1-1/2 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board attached to furring channels as described in Item 6. Not for use with Item 5A.

b. **Steel Framing Members* —** Used to attach furring channels (Item 7Ga) to studs (Item 2). Clips spaced max. 48 in. OC. Clips secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center hole. Furring channels are friction fitted into clips.
CLARKDIETRICH BUILDING SYSTEMS — Type ClarkDietrich Sound Clip

8. **Joint Tape and Compound —** Vinyl or casein, dry or premixed joint compound applied in two coats to joints and screw heads of outer layers. Paper tape, nom 2 in. wide, embedded in first layer of compound over all joints of outer layer panels. Paper tape and joint compound may be omitted when gypsum panels are supplied with a square edge.

9. **Siding, Brick or Stucco —** (Optional, Not Shown) — Aluminum, vinyl or steel siding, brick veneer or stucco, meeting the requirements of local code agencies, installed over gypsum panels. Brick veneer attached to studs with corrugated metal wall ties attached to each stud with steel screws, not more than each sixth course of brick.

10. **Caulking and Sealants* —** (Optional, Not Shown) — A bead of acoustical sealant applied around the partition perimeter for sound control.
UNITED STATES GYPSUM CO — Type AS

11. **Lead Batten Strips —** (Not Shown, For Use With Item 5B) — Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.125 in. Strips placed on the interior face of studs and attached from the exterior face of the stud with two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5B) and optional at remaining stud locations. Required behind vertical joints.

11A. **Lead Batten Strips —** (Not Shown, For Use With Item 5H) — Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.140 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.5% meeting the Federal specification QQ-L-201f, Grades "B, C or D". Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations.

12. **Lead Discs or Tabs —** (Not Shown, For Use With Item 5B) — Used in lieu of or in addition to the lead batten strips (Item 11) or optional at other locations - Max 3/4 in. diam by max 0.125 in. thick lead discs compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards (Item 5B) underneath screw locations prior to the installation of the screws. Lead discs or tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".

12A. **Lead Discs —** (Not Shown, for use with Item 5H) — Max 5/16 in. diam by max 0.140 in. thick lead discs compression fitted or adhered over steel screw heads. Lead discs to have a purity of 99.5% meeting the Federal Specification QQ-L-201f, Grades "B, C or D".

13. **Lead Batten Strips —** (Not Shown, For Use With Item 5E) — Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.142 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5E) and optional at remaining stud locations.

14. **Lead Tabs —** (Not Shown, For Use With Item 5E) — 2 in. wide, 5 in. long with a max thickness of 0.142 in. Tabs friction-fit around front face of stud, the stud folded back flange, and the back face of the stud. Tabs required at each location where a screw (that secures the gypsum boards, Item 5E) will penetrate the steel stud. Lead tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead tabs may be held in place with standard adhesive tape if necessary.

15. **Barrier Mesh —** (Optional, Not Shown) - Attached to steel studs on one or both sides of the wall using Barrier Mesh Clips spaced at maximum 12 inches on center vertically, using a flat head type screw penetrating through the steel at least 3/8 of an inch. For Steel Studs less than 0.033 inches in thickness, use self-piercing screws. For Steel Studs equal to or greater than 0.033 inches in thickness, use steel drill screws (self-tapping). Gypsum Board (Item 5) to be installed directly over the Barrier Mesh using prescribed screw patterns with lengths increased by a minimum 1/8 in. Barrier Mesh may be installed with the long dimension of the diamond pattern positioned vertically or horizontally. Barrier Mesh joints may occur as butt joints at the framing members and secured using the Barrier Mesh Clips or occur in between framing members as overlapping joints secured using 18 SWG wire ties spaced a maximum 12 in. on center.
CLARKDIETRICH BUILDING SYSTEMS — Barrier Mesh, Barrier Mesh Clips

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

Last Updated on 2020-12-10

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL's Follow-Up Service. Always look for the Mark on the product.

UL permits the reproduction of the material contained in the Online Certification Directory subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from the Online Certifications Directory with permission from UL" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "© 2020 UL LLC"

X9: CEJ 510971a

JM

ENGINEERING JUDGMENT FIRESTOP DETAIL

PROJECT : NEW PRINCE GEORGE ELEMENTARY SCHOOL
ARCHITECT : MOSELEY
F-RATING = 1-HR. OR 2-HR. (SEE NOTE NO. 2 BELOW)

CROSS-SECTIONAL VIEW

1. EXTERIOR DENSGLASS CURTAIN WALL ASSEMBLY WITH MAXIMUM 8" STEEL STUD FRAMING AND [OPTIONAL, NOT SHOWN] EIFS (NON FIRE-RATED)
2. CONCRETE FLOOR ASSEMBLY (1-HR. OR 2-HR. FIRE-RATING) :
   A. CONCRETE FLOOR OVER METAL DECKING ASSEMBLY (MINIMUM 2-1/2" THICK) WITH MINIMUM 4-1/2" SLAB EDGE HEIGHT.
   B. CONCRETE FLOOR ASSEMBLY (MINIMUM 4-1/2" THICK).
3. MINIMUM 4" THICKNESS MINERAL WOOL SAFING (MINIMUM 4 PCF DENSITY) COMPRESSED 33%, FLUSH WITH TOP SURFACE OF FLOOR ASSEMBLY.
4. MINIMUM 1/8" (WET) THICKNESS HILTI CFS-SP WB FIRESTOP JOINT SPRAY OR MINIMUM 2mm (WET) THICKNESS HILTI CFS-SP SIL FIRESTOP SILICONE JOINT SPRAY TO COMPLETELY COVER MINERAL WOOL, OVERLAPPING MINIMUM 1/2" ONTO ADJACENT ASSEMBLIES.

NOTES : 1. MAXIMUM WIDTH OF JOINT = 12".
2. FIRE-RATING OF ASSEMBLY IS DEPENDENT UPON THE PERFORMANCE OF CURTAIN WALL ASSEMBLY UNDER FIRE CONDITIONS.

THIS ENGINEERING JUDGMENT REPRESENTS A FIRESTOP SYSTEM THAT WOULD BE EXPECTED TO PASS THE STATED RATINGS IF TESTED.
(REFERENCE : INTERTEK SYSTEM NO. HI/BP 120-03)

HILTI Hilti Firestop Systems	HILTI, Inc. Plano, Texas USA (800) 879-8000	Sheet 1 of 1	Drawing No. 510971a
	Designed by	Scale 7/02" = 1"	
		Date Jan. 28, 2021	

Saving Lives through Innovation and Education

*AD 01

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
STEPHEN ELLIS HALSEY
Lic. No. 0401010134
01-24-2021
ARCHITECT

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT#: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926	
DATE: January 24, 2021	
REVISIONS	
DATE	DESCRIPTION
02/03/21	*AD 01

FIRE RESIST

2/4/2021 10:18:28 AM

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT#: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO. 5802030
DATE: January 14, 2021

REVISIONS	
DATE	DESCRIPTION
02/03/21	*AD 01

ARCHITECTURAL SITE PLAN

A1.2.1

COMMONWEALTH OF VIRGINIA
STEPHEN ELLIS HALSEY
Lic. No. 0401010754
ARCHITECT

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

4 BUS LOOP CANOPY PLAN

A1.2.1 A1.2.4 1/8" = 1'-0"

*AD 01

5 CANOPY SECTION

A1.2.4 A1.2.4 3/4" = 1'-0"

3 CANOPY SECTION

A1.2.4 A1.2.4 3/4" = 1'-0"

2 CANOPY PLAN

A1.2.1 A1.2.4 1/8" = 1'-0"

N

1 PARTIAL FLOOR PLAN - PART A

A1.2.1 A1.2.4 1/8" = 1'-0"

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
STEPHEN ELLIS HALSEY
Lic. No. 0401010134
01-24-2021
ARCHITECT

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT#: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: January 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

SITE DETAILS

A1.2.4

2/4/2021 10:18:33 AM

ARCHITECTURAL SITE PLAN KEYNOTES

REPRESENTED BY n

APPLIES TO DRAWINGS A1.2.1 - A1.2.5

1	ARCHITECTURAL PRECAST CONCRETE (APC)
2	DAMPPROOFING APPLIED TO EXTERIOR CMU FACE WITH COLLAR JOINT GROUTED SOLID
3	GROUT SOLID
4	METAL CAP FLASHING W/ WEEPS. SLOPE (1) BRICK COURSE TO PREVENT WATER PONDING UNDER APC
5	STRAP ANCHOR W/ DOWEL BETWEEN UNITS BY APC MFR - SEAL WATER TIGHT AT FLASHING
6	ALUMINUM RAILING
7	CONCRETE FINISH TYPE 1
8	CONCRETE FINISH TYPE 2
9	RUBBERIZED SURFACE
10	MULCH

4 A1.2.5 A1.2.5 **SECTION DETAIL** 3/4" = 1'-0"

3 A1.2.1 A1.2.5 **DINING PATIO PLAN** 1/8" = 1'-0"

2 A1.2.1 A1.2.5 **COURTYARD NORTH PLAN** 1/8" = 1'-0"

1 A1.2.1 A1.2.5 **COURTYARD SOUTH PLAN** 1/8" = 1'-0"

MOSELEYARCHITECTS

3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
STEPHEN ELLIS HALSEY
Lic. No. 0401010134
01-24-2021
ARCHITECT

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT#: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: January 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

SITE DETAILS

*AD 01

A1.2.5

2/4/2021 10:18:39 AM

2/4/2021 11:22:23 AM

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT#: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 192328
DATE: FEBRUARY 04, 2021

DATE	REVISIONS DESCRIPTION
02/03/21	"AD 01"

FIRST FLOOR PLAN - PART B

A2.1.2

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

N

SECOND FLOOR - PART B

1/8" = 1'-0"

2/4/2021 10:19:01 AM

MOSELEYARCHITECTS

3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
STEPHEN ELLIS HALSEY
Lic. No. 0401010134
01-24-2021
ARCHITECT

KEY PLAN

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT#: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: January 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

SECOND FLOOR & PENTHOUSE PLAN - PART B

A2.1.5

24 PLAN DETAIL
A2.2.0 | A2.3.1 3/4" = 1'-0"

23 PLAN DETAIL
A2.2.0 | A2.3.1 3/4" = 1'-0"

22 PLAN DETAIL
A2.2.0 | A2.3.1 3/4" = 1'-0"

21 PLAN DETAIL
A2.2.0 | A2.3.1 3/4" = 1'-0"

20 PLAN DETAIL
A2.2.0 | A2.3.1 3/4" = 1'-0"

PLAN DETAIL KEYNOTES

APPLIES TO DRAWINGS A2.3.1 - A2.3.5
REPRESENTED BY n

1	ACOUSTICAL ALUMINUM CLOSURE SYSTEM
2	FACE OF WALL BELOW
3	ALUMINUM WALL TO WALL EXPANSION JOINT COVER
4	EXTERIOR EXPANSION JOINT COVER
5	CORNER WALL PAD
6	ALUMINUM CURTAINWALL SYSTEM
7	ALUMINUM STOREFRONT SYSTEM
8	ARCHITECTURAL PRECAST CONCRETE SILL
9	BULLNOSE CORNER
10	SPRAY FOAM FIREPROOFING
11	SECURITY GATE

19 PLAN DETAIL
A2.2.0 | A2.3.1 3/4" = 1'-0"

18 PLAN DETAIL
A2.2.0 | A2.3.1 3/4" = 1'-0"

17 PLAN DETAIL
A2.2.0 | A2.3.1 3/4" = 1'-0"

16 PLAN DETAIL
A2.2.0 | A2.3.1 3/4" = 1'-0"

15 PLAN DETAIL
A2.2.0 | A2.3.1 3/4" = 1'-0"

14 PLAN DETAIL
A2.2.0 | A2.3.1 3/4" = 1'-0"

13 PLAN DETAIL
A2.2.0 | A2.3.1 3/4" = 1'-0"

12 PLAN DETAIL
A2.2.0 | A2.3.1 3/4" = 1'-0"

11 PLAN DETAIL
A2.2.0 | A2.3.1 3/4" = 1'-0"

10 PLAN DETAIL
A2.2.0 | A2.3.1 3/4" = 1'-0"

9 PLAN DETAIL
A2.2.0 | A2.3.1 3/4" = 1'-0"

8 PLAN DETAIL
A2.2.0 | A2.3.1 3/4" = 1'-0"

7 PLAN DETAIL
A2.2.0 | A2.3.1 3/4" = 1'-0"

6 PLAN DETAIL
A2.2.0 | A2.3.1 3/4" = 1'-0"

5 PLAN DETAIL
A2.2.0 | A2.3.1 3/4" = 1'-0"

4 PLAN DETAIL
A2.2.0 | A2.3.1 3/4" = 1'-0"

3 PLAN DETAIL
A2.2.0 | A2.3.1 3/4" = 1'-0"

2 PLAN DETAIL
A2.2.0 | A2.3.1 3/4" = 1'-0"

1 PLAN DETAIL
A2.2.0 | A2.3.1 3/4" = 1'-0"

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
STEPHEN ELLIS HALSEY
Lic. No. 0401010134
01-24-2021
ARCHITECT

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT#: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: January 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

PLAN DETAILS

A2.3.1

2/4/2021 11:03:12 AM

47 PLAN DETAIL
A2.2.0 A2.3.2 3/4" = 1'-0"

46 PLAN DETAIL
A2.2.0 A2.3.2 3/4" = 1'-0"

45 PLAN DETAIL
A2.2.0 A2.3.2 3/4" = 1'-0"

44 PLAN DETAIL
A2.2.0 A2.3.2 3/4" = 1'-0"

43 PLAN DETAIL
A2.2.0 A2.3.2 3/4" = 1'-0"

42 PLAN DETAIL
A2.2.0 A2.3.2 3/4" = 1'-0"

41 PLAN DETAIL
A2.2.0 A2.3.2 3/4" = 1'-0"

40 PLAN DETAIL
A2.2.0 A2.3.2 3/4" = 1'-0"

39 PLAN DETAIL
A2.2.0 A2.3.2 3/4" = 1'-0"

38 PLAN DETAIL
A2.2.0 A2.3.2 3/4" = 1'-0"

37 PLAN DETAIL
A2.2.0 A2.3.2 3/4" = 1'-0"

36 PLAN DETAIL
A2.2.0 A2.3.2 3/4" = 1'-0"

35 PLAN DETAIL
A2.2.0 A2.3.2 3/4" = 1'-0"

34 PLAN DETAIL
A2.2.0 A2.3.2 3/4" = 1'-0"

33 PLAN DETAIL
A2.2.0 A2.3.2 3/4" = 1'-0"

32 PLAN DETAIL
A2.2.0 A2.3.2 3/4" = 1'-0"

31 PLAN DETAIL
A2.2.0 A2.3.2 3/4" = 1'-0"

25 PLAN DETAIL
A2.2.0 A2.3.2 3/4" = 1'-0"

30 PLAN DETAIL
A2.2.0 A2.3.2 3/4" = 1'-0"

29 PLAN DETAIL
A2.2.0 A2.3.2 3/4" = 1'-0"

28 PLAN DETAIL
A2.2.0 A2.3.2 3/4" = 1'-0"

27 PLAN DETAIL
A2.2.0 A2.3.2 3/4" = 1'-0"

26 PLAN DETAIL
A2.2.0 A2.3.2 3/4" = 1'-0"

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
STEPHEN ELLIS HALSEY
Lic. No. 0401010134
01-24-2021
ARCHITECT

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT#: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: January 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

PLAN DETAILS

A2.3.2

2/4/2021 11:05:26 AM

122 PLAN DETAIL A2.2.1 | A2.3.5 3" = 1'-0"

121 PLAN DETAIL A2.2.1 | A2.3.5 3/4" = 1'-0"

120 PLAN DETAIL A2.2.1 | A2.3.5 3/4" = 1'-0"

119 PLAN DETAIL A2.2.1 | A2.3.5 3/4" = 1'-0"

118 PLAN DETAIL A2.2.1 | A2.3.5 3/4" = 1'-0"

117 PLAN DETAIL A2.2.1 | A2.3.5 3/4" = 1'-0"

116 PLAN DETAIL A2.2.1 | A2.3.5 3/4" = 1'-0"

115 PLAN DETAIL A2.2.1 | A2.3.5 3/4" = 1'-0"

114 PLAN DETAIL A2.2.1 | A2.3.5 3/4" = 1'-0"

113 PLAN DETAIL A2.2.1 | A2.3.5 3/4" = 1'-0"

112 PLAN DETAIL A2.2.1 | A2.3.5 3/4" = 1'-0"

111 PLAN DETAIL A2.2.1 | A2.3.5 3/4" = 1'-0"

110 PLAN DETAIL A2.2.1 | A2.3.5 3/4" = 1'-0"

109 PLAN DETAIL A2.2.1 | A2.3.5 3/4" = 1'-0"

108 PLAN DETAIL A2.2.1 | A2.3.5 3/4" = 1'-0"

107 PLAN DETAIL A2.2.1 | A2.3.5 3/4" = 1'-0"

106 PLAN DETAIL A2.2.1 | A2.3.5 3/4" = 1'-0"

105 PLAN DETAIL A2.2.1 | A2.3.5 3/4" = 1'-0"

104 PLAN DETAIL A2.2.1 | A2.3.5 3/4" = 1'-0"

103 PLAN DETAIL A2.2.1 | A2.3.5 3/4" = 1'-0"

102 PLAN DETAIL A2.2.1 | A2.3.5 3/4" = 1'-0"

101 PLAN DETAIL A2.2.1 | A2.3.5 3/4" = 1'-0"

100 PLAN DETAIL A2.2.1 | A2.3.5 3/4" = 1'-0"

99 PLAN DETAIL A2.2.1 | A2.3.5 3/4" = 1'-0"

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
STEPHEN ELLIS HALSEY
Lic. No. 0401010134
01-24-2021
ARCHITECT

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT#: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: January 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

PLAN DETAILS

A2.3.5

2/4/2021 10:19:49 AM

FINISH SCHEDULE

NUMBER	NAME	FLOOR	BASE	WALLS NORTH	WALLS EAST	WALLS SOUTH	WALLS WEST	WAINSCOT	CEILING	NOTES
A100	VEST	TERR / REM	RB	PT	PT	PT	PT		ACP-1A/GB PT	
A101	RECEPTION	TERR	RB	PT	PT	PT	PT		ACP-1A/GB PT	
A102	BKKPR	TCF	RB	PT	PT	PT	PT		ACP-1B	
A103	CONF	TCF	RB	PT	PT	PT	PT		ACP-1B	
A104	PRINCIPAL	TCF	RB	PT	PT	PT	PT		ACP-1B	
A104A	CLST	TCF	RB	PT	PT	PT	PT		GB PT	
A105	AP	TCF	RB	PT	PT	PT	PT		ACP-1B	
A106	STOR	CONC-SLR	RB	PT	PT	PT	PT		ACP-1A	
A107	T.	P-TILE	GWT	EPX PT	GWT	EPX PT	EPX PT		GB PT	
A108	CORRIDOR	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
A109	ITNRT	TCF	RB	PT	PT	PT	PT		ACP-1B	
A110	BREAK	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
A111	WRKRM	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
A112	T.	P-TILE	GWT	EPX PT	EPX PT	GWT	EPX PT		GB-PT	
A113	CNSLR	TCF	RB	PT	PT	PT	PT		ACP-1B	
A114	CNSLR	TCF	RB	PT	PT	PT	PT		ACP-1B	
A115	RECORDS	TCF	RB	PT	PT	PT	PT		ACP-1B	
A116	CONF.	TCF	RB	PT	PT	PT	PT		ACP-1B	
A117	CLST	CONC-SLR	RB	PT	PT	PT	PT		ACP-1A	
A118	WORKRM	RFT	RB	PT	PT	PT	PT		ACP-1A	
A119	CONF.	TCF	RB	PT	PT	PT	PT		ACP-1A	
A120	READING ROOM	TCF	RB	PT	PT	PT	PT		ACP-1A/GB PT	
A121	MAKER SPACE	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
A122	CORRIDOR	CONC-POL / TERR	RB	PT	PT	PT	PT		ACP-1/ACP-3/ACP-4/GB-PT	
A123	1ST	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
A123A	T.	P-TILE	GWT	EPX PT	EPX PT	GWT	EPX PT		GB PT	
A124	ELEC	CONC-SLR	RB	PT	PT	PT	PT		EXPC PT	
A125	JAN	CONC-SLR	RB	EPX PT	EPX PT	EPX PT	EPX PT		GB PT	
A126	IDF	CONC-SLR	RB	PT	PT	PT	PT		EXPC PT	
A127	STOR	CONC-SLR	RB	PT	PT	PT	PT		ACP-1A	
A128	RES	RFT / REM	RB	PT	PT	PT	PT		ACP-1A/ACP-4/GB PT	
A129	1ST	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
A129A	T.	P-TILE	GWT	EPX PT	EPX PT	GWT	EPX PT		GB PT	
A130	1ST	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
A130A	T.	P-TILE	GWT	EPX PT	EPX PT	GWT	EPX PT		GB PT	
A131	1ST	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
A131A	T.	P-TILE	GWT	EPX PT	EPX PT	GWT	EPX PT		GB PT	
A132	STAIR	CONC-POL	RB	PT	PT	PT	PT		GB PT	
A133	COLLAB LEARNING	RFT / REM	RB	PT	PT	PT	PT		ACP-1A/ACP-4/GB PT	
A134	CORRIDOR	CONC-POL / REM		PT	-	PT	PT		ACP-1A/GB PT	
A135	1ST	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
A135A	T.	P-TILE	GWT	GWT	EPX PT	EPX PT	EPX PT		GB PT	
A136	1ST	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
A136A	T.	P-TILE	GWT	GWT	EPX PT	EPX PT	EPX PT		GB PT	
A137	1ST	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
A137A	T.	P-TILE	GWT	GWT	EPX PT	EPX PT	EPX PT		GB PT	
A138	CLINIC	RFT	RB	EPX PT	EPX PT	EPX PT	EPX PT		ACP-1A	1
A138A	ISOLATION	RFT	RB	EPX PT	EPX PT	EPX PT	EPX PT		ACP-1A	
A138B	T.	P-TILE	GWT	GWT	EPX PT	EPX PT	EPX PT		GB PT	
A200	STAIR	RST	RB	PT	PT	PT	PT		GB PT	
A201	4TH	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
A202	4TH	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
A203	4TH	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
A204	5TH	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
A205	5TH	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
A206	5TH	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
A207	4TH	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
A208	4TH	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
A209	4TH	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
A210	COLLAB LEARNING	RFT	RB	PT	PT	PT	PT		ACP-1A/ACP-4/GB PT	
A211	CORRIDOR	CONC-POL	RB	PT	PT	PT	PT		ACP-1A/ACP-4/GB PT	
A212	RES	RFT	RB	PT	PT	PT	PT		ACP-1A	
A213	STOR	CONC-SLR	RB	PT	PT	PT	PT		ACP-1A	
A214	ELEC	CONC-SLR	RB	PT	PT	PT	PT		EXPC PT	
A215	JAN	CONC-SLR	RB	EPX PT	EPX PT	EPX PT	EPX PT		GB PT	
A216	COLLAB LEARNING	CONC-POL	RB	PT	PT	PT	PT		ACP-1A/GB PT	
A217	AP	TCF	RB	PT	PT	PT	PT		ACP-1B	
A218	RES	RFT	RB	PT	PT	PT	PT		ACP-1A	
A219	5TH	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
A220	5TH	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
A221	5TH	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
A301	MECH PENTHOUSE	CONC-SLR	RB	PT	PT	PT	PT		EXPC PT	
B100	VEST	CONC-POL / REM	RB	PT	PT	PT	PT		ACP-1A	
B101	CORRIDOR	CONC-POL	RB	PT	PT	PT	PT		ACP-1A/GB PT	
B103	STAIR	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
B104	ART	CONC-POL	RB	EPX PT	EPX PT	EPX PT	EPX PT		ACP-1A	
B105	ART STOR	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
B105A	KILN	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
B106	MUSIC	RFT	RB	PT	PT	PT	PT		ACP-1A	
B107	STOR	RFT	RB	PT	PT	PT	PT		ACP-1A	
B108	STOR	CONC-SLR	RB	PT	PT	PT	PT		ACP-1A	
B109	STOR	RFT	RB	PT	PT	PT	PT		ACP-1A	
B109B	STAIR	RFT / RST	RB	PT	PT	PT	PT		ACP-1A	
B110	PLATFORM	WD / POLYONX	WD	PT	PT	PT	PT		ACP-1	2
B111	RAMP	RFT	RB	PT	PT	PT	PT		ACP-1A	
B112	BOOKS	CONC-SLR	RB	PT	PT	PT	PT		ACP-1A	
B113	IDF	CONC-SLR	RB	PT	PT	PT	PT		EXPC PT	
B114	OFFICE	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
B114A	T.	P-TILE	GWT	EPX PT	GWT	EPX PT	EPX PT		GB PT	
B115	GYMNASIUM	WSF	RB	EPX PT	EPX PT	EPX PT	EPX PT		ACP-5/EXPC PT	3
B116	ELEV	RFT	-	-	-	-	-		-	
B117	ELEC	CONC-SLR	RB	PT	PT	PT	PT		EXPC PT	
B118	K	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
B118A	T.	P-TILE	GWT	GWT	EPX PT	EPX PT	EPX PT		GB PT	
B119	K	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
B119A	T.	P-TILE	GWT	GWT	EPX PT	EPX PT	EPX PT		GB PT	
B120	STOR	CONC-SLR	RB	PT	PT	PT	PT		ACP-1A	
B121	RES	RFT	RB	PT	PT	PT	PT		ACP-1A	
B122	K	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
B122A	T.	P-TILE	GWT	GWT	EPX PT	EPX PT	EPX PT		GB PT	
B123	K	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
B123A	T.	P-TILE	GWT	GWT	EPX PT	EPX PT	EPX PT		GB PT	
B124	COLLAB LEARNING	RFT / REM	RB	PT	PT	PT	PT		ACP-1/ACP-4/GB PT	
B125	CORRIDOR	CONC-POL	RB	PT	PT	PT	PT		ACP-1A/GB PT	
B126	K	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
B126A	T.	P-TILE	GWT	EPX PT	EPX PT	GWT	EPX PT		GB PT	
B127	K	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
B127A	T.	P-TILE	GWT	EPX PT	EPX PT	GWT	EPX PT		GB PT	
B128	K	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
B128A	T.	P-TILE	GWT	EPX PT	EPX PT	GWT	EPX PT		GB PT	
B129	PK	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
B129A	T.	P-TILE	GWT	EPX PT	EPX PT	GWT	EPX PT		GB PT	
B130	PK	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
B130A	T.	P-TILE	GWT	EPX PT	EPX PT	GWT	EPX PT		GB PT	
B131	T.	P-TILE	GWT	GWT	PT	PT	PT		GB PT	
B200	CORRIDOR	CONC-POL	RB	PT	PT	PT	VWC / PT		ACP-2/GB PT	
B201	STAIR	CONC-POL	RB	PT	PT	PT	PT		ACP-4/GB PT	
B202	ELEV	RFT	-	-	-	-	-		-	
B204	COLLAB LEARNING	CONC-POL/RFT	RB	VWC	PT	PT	PT		ACP-4/GB PT	
B205	BOOKS	CONC-SLR	RB	PT	PT	PT	PT		ACP-1A	
B206	MDF *AD 01*	CONC-SLR	RB	PT	PT	PT	PT		EXPC PT	
B207	WORKRM	CONC-POL	RB	PT	PT	PT	PT		ACP-1B	
B207A	T.	P-TILE	GWT	EPX PT	EPX PT	GWT	EPX PT		GB PT	
B208	LAV	P-TILE	GWT	EPX PT	GWT	EPX PT	-		GB PT	
B209	BOYS	P-TILE	GWT	EPX PT	EPX PT	GWT	EPX PT		GB PT	
B210	GIRLS	P-TILE	GWT	GWT	EPX PT	EPX PT	EPX PT		GB PT	
B301	MECH PENTHOUSE	CONC-SLR	RB	PT	PT	PT	PT		EXPC PT	
C100	VEST	CONC-POL / REM	RB	PT	PT	PT	PT		ACP-1	
C101	STAIR	CONC-POL	RB	PT	PT	PT	PT		GB PT	
C102	WORKROOM	COONC-POL	RB	PT	PT	PT	PT		ACP-1B	
C102A	T.	P-TILE	GWT	EPX PT	EPX PT	GWT	EPX PT		GB PT	
C103	SRO	TCF	RB	PT	PT	PT	PT		ACP-1B	
C104	SELF CONTAINED	RFT	RB	PT	PT	PT	PT		ACP-1A	
C104A	T.	P-TILE	GWT	GWT	EPX PT	EPX PT	EPX PT		GB PT	
C105	2ND	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
C106	2ND	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
C107	2ND	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
C108	STAIR	RST	RB	PT	PT	PT	PT		GB PT	
C109	2ND	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
C110	2ND	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
C111	2ND	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
C112	ECSE	RFT	RB	PT	PT	PT	PT		ACP-1A	
C112A	T.	P-TILE	GWT	GWT	EPX PT	EPX PT	EPX PT		GB PT	
C113	RES	RFT	RB	PT	PT	PT	PT		ACP-1A	
C114	COLLAB LEARNING	RFT / REM	RB	PT	PT	PT	PT		ACP-1A/ACP-4/GB PT	
C115	CORRIDOR	CONC-POL	RB	PT	PT	PT	PT		ACP-1A/GB PT	
C116	STOR	CONC-SLR	RB	PT	PT	PT	PT		ACP-1A	

FINISH SCHEDULE

NUMBER	NAME	FLOOR	BASE	WALLS NORTH	WALLS EAST	WALLS SOUTH	WALLS WEST	WAINSCOT	CEILING	NOTES
C117	JAN	CONC-SLR	RB	EPX PT	EPX PT	EPX PT	EPX PT		GB PT	
C118	IDF	CONC-SLR	RB	PT	PT	PT	PT		EXPC PT	
C119	ELEC	CONC-SLR	RB	PT	PT	PT	PT		EXPC PT	
C120	LAV	P-TILE	GWT	EPX PT	-	EPX PT	GWT		GB PT	
C121	BOYS	P-TILE	GWT	EPX PT	EPX PT	GWT	EPX PT		GB PT	
C122	GIRLS	P-TILE	GWT	GWT	EPX PT	EPX PT	EPX PT		GB PT	
C123	STUDENT DINING	CONC-POL	RB	EPX PT	EPX PT	EPX PT	EPX PT		ACP-1A/ACP-5	
C124	RECIEVING	CONC-SLR	RB	PT	PT	PT	PT		ACP-1A	
C125	CHAIR STORAGE	CONC-SLR	RB	PT	PT	PT	PT		ACP-1A	
C126	DRY STOR	RES	RES	EPX PT	EPX PT	EPX PT	EPX PT		ACP-2	
C127	ELEC	CONC-SLR	RB	PT	PT	PT	PT		EXPC PT	
C128	ELEC	CONC-SLR	RB	PT	PT	PT	PT		EXPC PT	
C129	MECH	CONC-SLR	RB	PT	PT	PT	PT		EXPC PT	
C130	WALK IN COOLERS	RES	RES	EPX PT	EPX PT	EPX PT	EPX PT		ACP-2	
C131	SERVING LINE	RES	RES	GWT	EPX PT	EPX PT	EPX PT		ACP-2	
C132	LCKRS	RES	RES	EPX PT	EPX PT	EPX PT	EPX PT		ACP-2	
C133	T.	RES	RES	GWT	PT	PT	PT		GB PT	
C134	JAN.	RES	RES	EPX PT	EPX PT	EPX PT	EPX PT		ACP-2	
C135	OFF.	RES	RES	EPX PT	EPX PT	EPX PT	EPX PT		ACP-2	
C136	KITCHEN	RES	RES	EPX PT	EPX PT	EPX PT	EPX PT		ACP-2	
C137	OUTDOOR STORAGE	CONC-SLR	RB	PT	PT	PT	PT		EXPC PT	
C200	RES	RFT	RB	PT	PT	PT	PT		ACP-1A	
C201	STAIR	RFT / RST	RB	PT	PT	PT	PT		EXPC PT	
C202	SELF CONTAINED	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
C203	SELF CONTAINED	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
C204	3RD	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
C205	3RD	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
C206	3RD	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
C207	STAIR	RST	RB	PT	PT	PT	PT		GB PT	
C208	COLLAB LEARNING	RFT	RB	PT	PT	PT	PT		ACP-1A/ACP-4/GB PT	
C209	CORRIDOR	CONC-POL	RB	PT	PT	PT	PT		ACP-1A/GB PT	
C210	3RD	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
C211	3RD	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
C212	3RD	CONC-POL	RB	PT	PT	PT	PT		ACP-1A	
C213	RES	RFT	RB	PT	PT	PT	PT		ACP-1A	
C214	RESOURCE	RFT	RB	PT	PT	PT	PT		ACP-1A	
C215	STOR	CONC-SLR	RB	PT	PT	PT	PT		ACP-1A	
C216	ELEC	CONC-SLR	RB	PT	PT	PT	PT		EXPC PT	
C217	T.	P-TILE	GWT	EPX PT	EPX PT	GWT	EPX PT		GB PT	
C218	LAV	P-TILE	GWT	EPX PT	-	EPX PT	GWT		GB PT	
C219	BOYS	P-TILE	GWT	EPX PT	EPX PT	GWT	EPX PT		GB PT	
C220	GIRLS	P-TILE	GWT	GWT	EPX PT	EPX PT	EPX PT		GB PT	
C301	MECH PENTHOUSE	CONC-SLR	RB	PT	PT	PT	PT		EXPC PT	
C302	MECH PENTHOUSE	CONC-SLR	RB	PT	PT	PT	PT		EXPC PT	

NOTE:

1. GWT FULL-HEIGHT OF SHOWER WALLS.
2. AT PLATFORM PAINT ACP, GRID, AND WALLS FLAT BLACK.
3. PROVIDE P-TILE IN ALCOVE AT WATER FOUNTAIN IN GYMNASIUM WITH WOOD FLOOR.

B203 NOT USED

B211 NOT USED

*AD 01

FINISH SCHEDULE GENERAL NOTES

A. FINISH SCHEDULE DESCRIBES ONLY THE BASIC OR PREDOMINANT SURFACE FINISH.

B. PROVIDE SAME FINISHES AS THE ADJACENT SPACE IN ALCOVES AND CONTINUOUS SPACES WITHOUT DESIGNATED SPACE NUMBERS.

C. CASEWORK FINISHES ARE NOT NOTED IN THE FINISH SCHEDULE. REFER TO CASEWORK ELEVATIONS AND SPECIFICATIONS FOR MATERIALS AND FINISHES.

D. DIRECTIONAL WALL FINISH INDICATORS (NORTH, EAST, SOUTH, WEST) REFER TO THE "PLAN" NORTH ORIENTATION.

E. BULKHEADS AND SOFFITS MAY NOT BE INDICATED IN FINISH SCHEDULES. REFER TO RCP DETAILS, AND OTHER DOCUMENTS FOR EXTENT.

F. PROVIDE CONTINUOUS SEALANT BETWEEN INTERIOR SLAB-ON-GRADE AND VERTICAL ELEMENT WHERE JOINT IS NOT CONCEALED BY FINISH BASE OR OTHER CONSTRUCTION.

G. THIS SCHEDULE DOES NOT INDICATE EXTERIOR FINISHES/COLORS.

H. PAINT FINISHES SHALL EXTEND TO THE UNDERSIDE OF THE STRUCTURAL DECK.

I. REFER TO SHEETS A3.0.2-A3.0.9 FOR FLOOR PATTERNS.

J. REFER TO SPECIFICATION AND SHEET A3.0.8 & A3.0.9 FOR WALL PATTERNS. PROVIDE APPROPRIATE METAL TRIM AT ALL EDGES, CORNERS, AND TRANSITIONS.

K. REFER TO DRAWING A3.0.1 "ACCENT FINISH SCHEDULE" FOR ADDITIONAL INFORMATION NOT SHOWN ON PLAN.

L. ALL BASIS-OF-DESIGN FINISH SELECTIONS ARE FOR REFERENCE ONLY. FINAL SELECTIONS SHALL BE MADE DURING THE SUBMITTAL PROCESS.

M. REFER TO DRAWINGS A3.0.2-A3.0.7 FOR RECESSED ENTRY MAT LOCATIONS.

N. REFER TO TEXTILE COMPOSITE FLOORING SPECIFICATION FOR ALL SPACES DESIGNATED TCF.

O. ALL CEILINGS TO BE PAINTED "CEILING WHITE" UNLESS NOTED OTHERWISE.

ACCENT FINISH SCHEDULE

APPLIES TO DRAWINGS A3.0.1-A3.0.n

SPACE NUMBER	ACCENT COLOR	LOCATION
STAIRS: A132, B103, C101, C108, A200, B201, C201, C207 COLLABORATIVE LEARNING: A216 & B204	NO. 1 NO. 2	GUARDRAIL STRINGERS, STEEL, STEEL TEES, 1/2" DIA STEEL BAR BALUSTRADES, 1-1/2" STEEL PIPE
PLATFORM B110	MATTE BLACK	WALLS, DOOR FRAMES, STRUCTURAL STEEL, STEEL DECK & DUCTWORK
GYMNASIUM B115	NO. 1 NO. 2 NO. 3 NO. 4 NO. 5 NO. 6	WALLS WALLS STEEL DECK & SPRINKLER PIPE STEEL JOISTS, BRIDGING, ANGLES & OTHER STEEL STRUCTURE ATHLETIC EQUIPMENT SUPPORTS PROSCENIUM
STUDENT DINING C123	NO. 1 NO. 2 NO. 3 NO. 4 NO. 5	WALLS WALLS WALLS STEEL DECK & SPRINKLER PIPE STEEL JOISTS, BRIDGING, ANGLES & OTHER STEEL STRUCTURE
VESTIBULE A100 RECEPTION A101 READING ROOM A120 CORRIDOR: A122, B200 COLLABORATIVE LEARNING: A216 & B204	NO. 1 NO. 2	WALLS BULKHEADS
-	-	-
-	-	-

ACCENT FINISH SCHEDULE NOTES:

A. ABOVE COLOR NOS. ARE FOR ACCENT PAINT COLORS ONLY. THEY DO NOT INCLUDE DOOR FRAMES, PAINTED BASE, GENERAL WALL COLORS.

B. COLOR NOS. INDICATED ABOVE ARE PARTICULAR TO THE DESIGNATED SPACE ONLY (I.E. COLOR NO.1 FOR Ann MAY BE DIFFERENT FROM COLOR NO.1 FOR Bnn)

C. PAINT ALL EXPOSED ELEMENTS (SUCH AS PIPING AND CONDUITS) TO MATCH ADJACENT COLOR (HIDE & BLEND).

D. ALL EXPOSED CEILINGS SHALL BE CEILING WHITE UNO.

E. ACCENT PAINT THAT ENDS AT OUTSIDE CORNERS, STOP AT THE SPRING POINTOF THE RADIUS.

F. ALL SPACES DEFINED ON THE LIFE SAFETY PLANS AS " EDUCATIONAL, CLASSROOM", "BUSINESS AREAS", AND "ASSEMBLY, UNCONCENTRATED" SHALL HAVE AN ACCENT COLOR ON ONE WALL.

G. PROVIDE ACCENT PAINT COLOR FOR STEEL DOOR & FRAMES

H. PROVIDE ACCENT PAINT COLOR ON GYP BOARD SOFFITS AND BULKHEADS. STACKED SOFFITS SHALL HAVE INDIVIDUAL PAINT COLORS.

I. PROVIDE ACCENT PAINT COLORS ON EXPOSED DUCTWORK, DECK, COLUMNS, AND STEEL TRUSSES.

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
STEPHEN ELLIS HALSEY
Lic. No. 0401010134
01-24-2021
ARCHITECT

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT#: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: January 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

FINISH SCHEDULE

A3.0.1

2/4/2021 10:19:53 AM

FLOOR PATTERN LEGEND

CONC-POLISHED	P-TILE	REM
CONC-SEALED	TCF-1A	RFT-1A (FIELD)
TERR-1A	TCF-1B	**RFT-1B, 1D, 1F, 1H, 1J (ACCENT COLOR)** **ALLOW 1 COLOR PER ACADEMIC WING*
TERR-1B	TCF-1C	**RFT-1C, 1E, 1G, 1I, 1K (ACCENT COLOR)** **ALLOW 1 COLOR PER ACADEMIC WING*
TERR-1C	TCF-1D	

FLOOR PATTERN GENERAL NOTES

A. REFER TO FINISH SCHEDULE ON SHEET A3.0.1 FOR FLOOR FINISHES INDICATED AND NOT SHOWN ON FINISH FLOOR PATTERN SHEETS. PATTERNS NOT SHOWN ON FINISH PLAN TO BE ALL ONE COLOR OF FLOORING TYPE.

B. REFER TO SHEETS A3.0.8 & A3.0.9 FOR ENLARGED FLOOR AND WALL TILE PATTERNS.

C. COORDINATE EFLOOR TILE PATTERN WITH COVE BASE AND WALL TILE PATTERN.

D. COORDINATE ALL P-TILE INSTALLATION WITH DRAIN LOCATIONS AS DETAILED IN PLUMBING DRAWINGS.

E. ALIGN FLOOR MATERIAL WITH ADJACENT ARCHITECTURAL COMPONENT AS INDICATED.

F. COORDINATE ALL P-TILE INSTALLATION WITH DRAIN LOCATIONS AS DETAILED IN PLUMBING DRAWINGS.

FLOOR PATTERN KEYNOTES

REPRESENTED BY n

APPLIES TO DRAWINGS A3.0.2 - A3.0.7

1 6'-0" DIAMETER TERRAZZO SCHOOL LOGO. GRAPHIC TO BE PROVIDED BY OWNER.

2 8'-0" DIAMETER TERRAZZO SCHOOL LOGO. GRAPHIC TO BE PROVIDED BY OWNER.

3 CENTER COURT SCHOOL/MASCOT LOGO. GRAPHIC TO BE PROVIDED BY OWNER.

1 A1 A3.0.6 **SECOND FLOOR - PART B FLOOR PATTERN**
1/8" = 1'-0"

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
STEPHEN ELLIS HALSEY
Lic. No. 0401010134
01-24-2021
ARCHITECT

N
KEY PLAN

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT#: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: January 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

SECOND FLOOR - PART B, FLOOR PATTERNS

A3.0.6

2/4/2021 10:19:58 AM

GWT PATTERN LEGEND

TILE SIZES:

- GWT-1 6X18 (FIELD TILE)
- GWT-2 6X6 (ACCENT TILE)

TILE COLORS:

- GWT-A (FIELD & ACCENT)
- GWT-B (FIELD & ACCENT)
- GWT-C (ACCENT)
- GWT-D (ACCENT)
- GWT-E (ACCENT)
- GWT-F (ACCENT)

FLOOR PATTERN LEGEND

- CONC-POLISHED
- CONC-SEALED
- TERR-1A
- TERR-1B
- TERR-1C
- P-TILE
- TCF-1A
- TCF-1B
- TCF-1C
- TCF-1D
- REM
- RFT-1A (FIELD)
- **RFT-1B, 1D, 1F, 1H, 1J (ACCENT COLOR)** **ALLOW 1 COLOR PER ACADEMIC WING*
- **RFT-1C, 1E, 1G, 1I, 1K (ACCENT COLOR)** **ALLOW 1 COLOR PER ACADEMIC WING*

16 A3.0.3 A3.0.9 **ENLARGED PLAN** 1/4" = 1'-0"

15 A3.0.3 A3.0.9 **ENLARGED PLAN** 1/4" = 1'-0"

14 A3.0.2 A3.0.9 **ENLARGED PLAN** 1/4" = 1'-0"

1 A3.0.9 A3.0.9 **CLINIC GWT PATTERN** 1/4" = 1'-0"

2 A2.1.3 A3.0.9 **SERVING LINE GWT PATTERN** 1/4" = 1'-0"

13 A3.0.7 A3.0.9 **ENLARGED PLAN** 1/4" = 1'-0"

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
STEPHEN ELLIS HALSEY
Lic. No. 0401010134
01-24-2021
ARCHITECT

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT#: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: January 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

ENLARGED TOILET ROOM FLOOR & WALL PATTERNS

A3.0.9

2/4/2021 10:20:05 AM

DOOR SCHEDULE

	DOOR						FRAME								
NUMBER	TYPE	SIZE (NOMINAL)	MATL	LOUVER	UC	GLAZING TYPE	TYPE	FRAME NUMBER	SECTIONS	HEAD DETAIL	JAMB DETAIL	JAMB DETAIL	SILL DETAIL	FIRE RATING
A100A	E2	PR 3'-0"x7'-0"x2"	ALUM		2		CW	1	--	*	*	*	*	
A100B	E2	PR 3'-0"x7'-0"x1-3/4"	ALUM			1	AS	8	--	*	*	*	*	
A101A	E2	3'-0"x7'-0"x1-3/4"	ALUM			1	AS	29	--	*	*	*	*	
A101B	E2	3'-0"x7'-0"x1-3/4"	ALUM			1	AS	30	--	*	*	*	*	
A101C	--	3'-0"x7'-0"	--				STL	1A	C	1	1	1	--	
A102	N	3'-0"x7'-0"x1-3/4"	WD	*AD 01		1	STL	1A	A	1	1	1	--	
A103	F	3'-0"x7'-0"x1-3/4"	WD				STL	1A	A	1	1	1	--	
A104B	N	3'-0"x7'-0"x1-3/4"	WD			1	STL	1A	A	1	1	1	--	
A104C	F	2'-0"x7'-0"x1-3/4"	WD				STL	1A	A	1	1	1		
A105	N	3'-0"x7'-0"x1-3/4"	WD			1	STL	1A	A	1	1	1	--	
A106	F	3'-0"x7'-0"x1-3/4"	WD		3/4"		STL	1A	A	1	1	1	--	
A107	F	3'-0"x7'-0"x1-3/4"	WD		3/4"		STL	1A	A	1	1	1	--	
A108	E1	3'-0"x7'-0"x1-3/4"	ALUM			1	AS	33	--	*	*	*	--	--
A109	N	3'-0"x7'-0"x1-3/4"	WD			1	STL	1A	A	1	1	1	--	
A110	N	3'-0"x7'-0"x1-3/4"	WD			1	STL	1A	A	1	1	1	--	
A111A	--	3'-0"x7'-0"	--				STL	1A	C	1	1	1	--	
A111B	--	3'-0"x7'-0"	--				STL	1A	C	1	1	1	--	
A112	F	3'-0"x7'-0"x1-3/4"	WD		3/4"		STL	1A	A	1	1	1	--	
A113	N	3'-0"x7'-0"x1-3/4"	WD			1	STL	1A	A	1	1	1	--	
A114	N	3'-0"x7'-0"x1-3/4"	WD	*AD 01		1	STL	1A	A	1	1	1	--	
A115	F	3'-0"x7'-0"x1-3/4"	WD		3/4"		STL	1A	A	1	1	1	--	
A116	N	3'-0"x7'-0"x1-3/4"	WD			1	STL	1A	A	1	1	1	--	
A117	F	3'-0"x7'-0"x1-3/4"	WD				STL	1A	A	1	1	1	--	
A118	FG	3'-0"x7'-0"x1-3/4"	WD			1	STL	1	A	2	2	2	--	
A119	FG	3'-0"x7'-0"x1-3/4"	WD			1	STL	1	A	2	2	2	--	
A120	E2	PR 3'-0"x7'-0"x1-3/4"	ALUM			1	AS	*AD 01*	--	*	*	*	--	
A121A	N	3'-0"x7'-0"x1-3/4"	WD			1	STL	3	A	2	2	2	--	
A121B	N	3'-0"x7'-0"x1-3/4"	WD			1	STL	1	A	2	2	2	--	
A122	E2	PR 3'-0"x7'-0"x2"	ALUM			2	CW	11	--	*	*	*	--	
A122J	E2	PR 3'-0"x7'-0"x2"	ALUM			2	CW	11	--	*	*	*	--	
A123	F	3'-0"x7'-0"x1-3/4"	WD				STL	3	A	2	2	2	--	
A123A	F	3'-0"x7'-0"x1-3/4"	WD		3/4"		STL	1	A	2	2	2	--	
A124	F	3'-0"x7'-0"x1-3/4"	WD				STL	1	A	2	2	2	--	
A125	F	3'-0"x7'-0"x1-3/4"	WD		3/4"		STL	1	A	2	2	2	--	
A126	F	3'-0"x7'-0"x1-3/4"	WD				STL	1	A	2	2	2	--	
A127	F	3'-0"x7'-0"x1-3/4"	WD		3/4"		STL	1	A	2	2	2	--	
A128	E1	3'-0"x7'-0"x1-3/4"	ALUM			1	AS	5	--	*	*	*	--	--
A129	F	3'-0"x7'-0"x1-3/4"	WD				STL	3	A	2	2	2	--	
A129A	F	3'-0"x7'-0"x1-3/4"	WD		3/4"		STL	1	A	2	2	2	--	
A130	F	3'-0"x7'-0"x1-3/4"	WD				STL	4	A	2	2	2	--	
A130A	F	3'-0"x7'-0"x1-3/4"	WD		3/4"		STL	1	A	2	2	2	--	
A131	F	3'-0"x7'-0"x1-3/4"	WD				STL	3	A	2	2	2	--	
A131A	F	3'-0"x7'-0"x1-3/4"	WD		3/4"		STL	1	A	2	2	2	--	
A133	E2	PR 3'-0"x7'-0"x2"	ALUM			2	CW	12	--	*	*	*	--	
A135	F	3'-0"x7'-0"x1-3/4"	WD				STL	4	A	2	2	2	--	
A135A	F	3'-0"x7'-0"x1-3/4"	WD		3/4"		STL	1	A	2	2	2	--	
A136	F	3'-0"x7'-0"x1-3/4"	WD				STL	4	A	2	2	2	--	
A136A	F	3'-0"x7'-0"x1-3/4"	WD		3/4"		STL	1	A	2	2	2	--	
A137	F	3'-0"x7'-0"x1-3/4"	WD				STL	4	A	2	2	2	--	
A137A	F	3'-0"x7'-0"x1-3/4"	WD		3/4"		STL	1	A	2	2	2	--	
A138	N	3'-0"x7'-0"x1-3/4"	WD			1	STL	1	A	2	2	2	--	
A138A	N	3'-0"x7'-0"x1-3/4"	WD			1	STL	1	A	2	2	2	--	
A138B	F	3'-0"x7'-0"x1-3/4"	WD		3/4"		STL	1	A	2	2	2	--	
A200	N	3'-0"x7'-0"x1-3/4"	WD			1	STL	1	A	2	2	2	--	
A201	F	3'-0"x7'-0"x1-3/4"	WD				STL	3	A	2	2	2	--	
A202	F	3'-0"x7'-0"x1-3/4"	WD				STL	3	A	2	2	2	--	
A203	F	3'-0"x7'-0"x1-3/4"	WD				STL	3	A	2	2	2	--	
A204	F	3'-0"x7'-0"x1-3/4"	WD				STL	3	A	2	2	2	--	
A205	F	3'-0"x7'-0"x1-3/4"	WD				STL	3	A	2	2	2	--	
A206	F	3'-0"x7'-0"x1-3/4"	WD				STL	3	A	2	2	2	--	
A207	F	3'-0"x7'-0"x1-3/4"	WD				STL	3	A	2	2	2	--	
A208	F	3'-0"x7'-0"x1-3/4"	WD				STL	3	A	2	2	2	--	
A209	F	3'-0"x7'-0"x1-3/4"	WD				STL	3	A	2	2	2	--	
A212	E1	3'-0"x7'-0"x1-3/4"	ALUM			1	AS	5	--	*	*	*	--	--
A213	F	3'-0"x7'-0"x1-3/4"	WD		3/4"		STL	1	A	2	2	2	--	
A214	F	3'-0"x7'-0"x1-3/4"	WD				STL	1	A	2	2	2	--	
A215	F	3'-0"x7'-0"x1-3/4"	WD		3/4"		STL	1	A	2	2	2	--	
A217	E1	3'-0"x7'-0"x1-3/4"	ALUM			1	AS	31	--	*	*	*	--	--
A218	E1	3'-0"x7'-0"x1-3/4"	ALUM			1	AS	32	--	*	*	*	--	--
A219	F	3'-0"x7'-0"x1-3/4"	WD				STL	3	A	2	2	2	--	
A220	F	3'-0"x7'-0"x1-3/4"	WD				STL	3	A	2	2	2	--	
A221	F	3'-0"x7'-0"x1-3/4"	WD				STL	3	A	2	2	2	--	
A301	F	PR 3'-0"x7'-0"x1-3/4"	STL				STL	2A	A	95	94	94	5/A5.2.2	
B100A	E2	PR 3'-0"x7'-0"x2"	ALUM			2	AS	12	--	*	*	*	--	
B100B	E2	PR 3'-0"x7'-0"x1-3/4"	ALUM			1	AS	7	--	*	*	*	--	
B104A	F	3'-0"x7'-0"x1-3/4"	WD				STL	3	A	2	2	2	--	
B105	F	PR 3'-0"x7'-0"x1-3/4"	WD				STL	2	A	2	2	2	--	
B105A	F	3'-0"x7'-0"x1-3/4"	WD				STL	1	A	2	2	2	--	
B106E	F	3'-0"x7'-0"x1-3/4"	WD				STL	3	A	2	2	2	--	
B107	F	PR 3'-0"x7'-0"x1-3/4"	WD				STL	2	A	2	2	2	--	
B108	F	PR 3'-0"x7'-0"x1-3/4"	WD	*AD 01			STL	2	A	3	3	3	--	
B109	F	PR 3'-0"x7'-0"x1-3/4"	WD				STL	2	A	2	2	2	--	
B109B	N	3'-0"x7'-0"x1-3/4"	WD			1	STL	1	A	2	2	2	--	
B110	F	3'-0"x7'-0"x1-3/4"	WD				STL	1	A	2	2	2	--	
B112	F	3'-0"x7'-0"x1-3/4"	WD		3/4"		STL	1	A	2	2	2	--	
B113	F	3'-0"x7'-0"x1-3/4"	WD				STL	1	A	2	2	2	--	
B114	F	3'-0"x7'-0"x1-3/4"	WD				STL	3	A	2	2	2	--	
B114A	F	3'-0"x7'-0"x1-3/4"	WD		3/4"		STL	1	A	2	2	2	--	
B115A	E2	PR 3'-0"x7'-0"x1-3/4"	ALUM			1	AS	34	--	*	*	*	--	
B115B	E2	PR 3'-0"x7'-0"x1-3/4"	ALUM			1	AS	35	--	*	*	*	--	
B115C	N	PR 3'-0"x7'-0"x1-3/4"	STL			2	STL	1	A	91	90	90	--	
B117	F	3'-0"x7'-0"x1-3/4"	WD				STL	1	A	2	2	2	--	
B118	F	3'-0"x7'-0"x1-3/4"	WD		3/4"		STL	3	A	2	2	2	--	
B118A	F	3'-0"x7'-0"x1-3/4"	WD	*AD 01			STL	1	A	2	2	2	--	
B119	F	3'-0"x7'-0"x1-3/4"	WD				STL	3	A	2	2	2	--	
B119A	F	3'-0"x7'-0"x1-3/4"	WD		3/4"		STL	1	A	2	2	2	--	
B120	F	3'-0"x7'-0"x1-3/4"	WD				STL	1	A	2	2	2	--	
B121	E1	2'-0"x7'-0"x1-3/4"	ALUM			1	AS	36	--	*	*	*	*	--
B122	F	3'-0"x7'-0"x1-3/4"	WD		3/4"		STL	3	A	2	2	2	--	
B122A	F	3'-0"x7'-0"x1-3/4"	WD				STL	1	A	2	2	2	--	
B123	F	3'-0"x7'-0"x1-3/4"	WD				STL	3	A	2	2	2	--	
B123A	F	3'-0"x7'-0"x1-3/4"	WD		3/4"		STL	1	A	2	2	2	--	
B124	E2	PR 3'-0"x7'-0"x2"	ALUM			2	AS	37	--	7	8	*	--	
B126	F	3'-0"x7'-0"x1-3/4"	WD		3/4"		STL	3	A	2	2	2	--	
B126A	F	3'-0"x7'-0"x1-3/4"	WD				STL	1	A	2	2	2	--	
B127	F	3'-0"x7'-0"x1-3/4"	WD	*AD 01	3/4"		STL	3	A	2	2	2	--	
B127A	F	3'-0"x7'-0"x1-3/4"	WD				STL	1	A	2	2	2	--	
B128	F	3'-0"x7'-0"x1-3/4"	WD				STL	3	A	2	2	2	--	
B128A	F	3'-0"x7'-0"x1-3/4"	WD		3/4"		STL	1	A	2	2	2	--	
B129A	F	3'-0"x7'-0"x1-3/4"	WD		3/4"		STL	1	A	2	2	2	--	
B129B	F	3'-0"x7'-0"x1-3/4"	WD				STL	3	A	2	2	2	--	
B129C	E1	3'-0"x7'-0"x2"	ALUM			2	AS	16	--	*	*	*	--	--
B130A	F	3'-0"x7'-0"x1-3/4"	WD		3/4"		STL	1	A	2	2	2	--	
B130B	E1	3'-0"x7'-0"x2"	ALUM			2	AS	15	--	*	*	*	--	--
B130C	F	3'-0"x7'-0"x1-3/4"	WD				STL	3	A	2	2	2	--	
B131	F	3'-0"x7'-0"x1-3/4"	WD		3/4"		STL	1	A	2	2	2	--	
B203B	F	3'-0"x7'-0"x1-3/4"	WD				STL	1	A	2	2	2	--	
B205	F	3'-0"x7'-0"x1-3/4"	WD				STL	1	A	2	2	2	--	
B206	F	3'-0"x7'-0"x1-3/4"	WD				STL	1	A	2	2	2	--	
B207	F	3'-0"x7'-0"x1-3/4"	WD				STL	3	A	2	2	2	--	
B207A	F	3'-0"x7'-0"x1-3/4"	WD		3/4"		STL	1	A	2	2	2	--	
B301A	F	PR 3'-0"x7'-0"x1-3/4"	STL				STL	2	A	95	94	94	--	
C100A	E2	PR 3'-0"x7'-0"x2"	ALUM			2	CW	4B	--	*	*	*	--	
C100B	E2	PR 3'-0"x7'-0"x1-3/4"	ALUM			1	AS	38	--	*	*	*	--	
C102	F	3'-0"x7'-0"x1-3/4"	WD				STL	3	A	2	2	2	--	
C102A	F	3'-0"x7'-0"x1-3/4"	WD		3/4"		STL	1	A	2	2	2	--	
C103	F	3'-0"x7'-0"x1-3/4"	WD				STL	3	A	2	2	2	--	
C104	F	3'-0"x7'-0"x1-3/4"	WD				STL	3	A	2	2	2	--	
C104A	F	3'-0"x7'-0"x1-3/4"	WD		3/4"		STL	1	A	2	2	2	--	
C105	F	3'-0"x7'-0"x1-3/4"	WD				STL	3	A	2	2	2	--	
C106	F	3'-0"x7'-0"x1-3/4"	WD				STL	3	A	2	2	2	--	
C107	F	3'-0"x7'-0"x1-3/4"	WD				STL	3	A	2	2	2	--	
C109	F	3'-0"x7'-0"x1-3/4"	WD				STL	3	A	2	2	2	--	
C110	F	3'-0"x7'-0"x1-3/4"	WD				STL	3	A	2	2	2	--	
C111	F	3'-0"x7'-0"x1-3/4"	WD				STL	3	A	2	2	2	--	
C112A	F	3'-0"x7'-0"x1-3/4"	WD		3/4"		STL	1	A	2	2	2	--	
C112B	F	3'-0"x7'-0"x1-3/4"	WD				STL	3	A	2	2	2	--	
C112C	E1	3'-0"x7'-0"x2"	ALUM			1	CW	10	--	*	*	*		--
C113	E1	3'-0"x7'-0"x1-3/4"	ALUM			1	AS	5	--	*	*	*	--	--
C114	E2	PR 3'-0"x7'-0"x2"	ALUM			2	CW	7	--	*	*	*	--	
C116	F	3'-0"x7'-0"x1-3/4"	WD		3/4"		STL	1	A	2	2	2	--	
C117	F	3'-0"x7'-0"x1-3/4"	WD		3/4"		STL	1	A	2	2	2	--	
C118	F	3'-0"x7'-0"x1-3/4"	WD				STL	1	A	2	2	2	--	
C119	F	3'-0"x7'-0"x1-3/4"	WD				STL	1	A	2	2	2	--	
C123A	E2	3'-0"x7'-0"x1-3/4"	ALUM			1	AS	39	--	*	*	*	--	
C123B	E2	PR 3'-0"x7'-0"x1-3/4"	ALUM			1	AS	40	--	*	*	*	--	
C123C	E2	PR 3'-0"x7'-0"x2"	ALUM			2	CW	3	--	*	*	*	--	
C124A	F	3'-0"x7'-0"x1-3/4"	WD				STL	1	A	2	2	2	--	
C124B	N	3'-0"x7'-0"x1-3/4"	STL			1	STL	1	A	1	1	1	--	
C124C	F	3'-0"x7'-0"x1-3/4"	STL				STL	1	A	1	1	1	--	90 MIN
C124D	OH	6'-0"x7'-4"	STL				STL	--	--	93	92	92	--	
C124E	F	3'-6"x7'-0"x1-3/4"	STL				STL	1	A	91	90		--	

*AD 01

DOOR SCHEDULE

	DOOR						FRAME								
NUMBER	TYPE	SIZE (NOMINAL)	MATL	LOUVER	UC	GLAZING TYPE	TYPE	FRAME NUMBER	SECTIONS	HEAD DETAIL	JAMB DETAIL	JAMB DETAIL	SILL DETAIL	FIRE RATING
C125	F	PR 3'-0"x7'-0"x1-3/4"	STL				STL	2	A	1	1	1	--	
C126A	F	3'-0"x7'-0"x1-3/4"	STL				STL	1	A	1	1	1	--	
C126B	F	3'-0"x7'-0"x1-3/4"	STL				STL	1	A	1	1	1	--	
C127	F	PR 3'-0"x7'-0"x1-3/4"	STL				STL	1	A	91	90	90	--	90 MIN
C128	F	3'-0"x7'-0"x1-3/4"	STL				STL	1	A	1	1	1	--	90 MIN
C129	F	PR 3'-0"x7'-0"x1-3/4"	STL				STL	1	A	91	90	90	--	
C131A	E1	3'-0"x7'-0"x1-3/4"	ALUM			1	AS	41	--	*	*	*	--	--
C131B	E1	3'-0"x7'-0"x1-3/4"	ALUM			1	AS	41	--	*	*	*	--	--
C131C	E1	3'-0"x7'-0"x1-3/4"	ALUM			1	AS	41	--	*	*	*	--	--
C131D	E1	3'-0"x7'-0"x1-3/4"	ALUM			1	AS	41	--	*	*	*	--	--
C131E	E1	3'-0"x7'-0"x1-3/4"	ALUM			1	AS	41	--	*	*	*	--	--
C131F	E1	3'-0"x7'-0"x1-3/4"	ALUM			1	AS	41	--	*	*	*	--	--
C131G	E1	3'-0"x7'-0"x1-3/4"	ALUM			1	AS	41	--	*	*	*	--	--
C131H	E1	3'-0"x7'-0"x1-3/4"	ALUM			1	AS	41	--	*	*	*	--	--
C132	F	3'-0"x7'-0"x1-3/4"	STL				STL	1	A	1	1	1	--	
C133	F	3'-0"x7'-0"x1-3/4"	STL				STL	1	A	1	1	1	--	
C134	F	3'-0"x7'-0"x1-3/4"	STL				STL	1	A	1	1	1	--	
C135	F	3'-0"x7'-0"x1-3/4"	STL				STL	1	A	1	1	1	--	
C137A	F	3'-0"x7'-0"x1-3/4"	STL				STL	1	A	91	90	90	--	
C137B	OH	8'-0"x7'-4"	STL				STL	--	--	93	92	92		
C200	E2	3'-0"x7'-0"x1-3/4"	ALUM			1	AS	42	--	*	*	*	--	
C201	N	3'-0"x7'-0"x1-3/4"	WD			1	STL	1	A	2	2	2	--	
C202	F	3'-0"x7'-0"x1-3/4"	WD				STL	3	A	2	2	2	--	
C203	F	3'-0"x7'-0"x1-3/4"	WD				STL	3	A	2	2	2	--	
C204	F	3'-0"x7'-0"x1-3/4"	WD				STL	3	A	2	2	2	--	
C205	F	3'-0"x7'-0"x1-3/4"	WD				STL	3	A	2	2	2	--	
C206	F	3'-0"x7'-0"x1-3/4"	WD				STL	3	A	2	2	2	--	
C207	N	3'-0"x7'-0"x1-3/4"	WD			1	STL	1	A	2	2	2	--	
C210	F	3'-0"x7'-0"x1-3/4"	WD				STL	3	A	2	2	2	--	
C211	F	3'-0"x7'-0"x1-3/4"	WD				STL	3	A	2	2	2	--	
C212	F	3'-0"x7'-0"x1-3/4"	WD				STL	3	A	2	2	2	--	
C213	E1	3'-0"x7'-0"x1-3/4"	ALUM			1	AS	5	--	*	*	*	--	--
C214A	F	3'-0"x7'-0"x1-3/4"	WD				STL	3	A	2	2	2	--	
C214B	F	3'-0"x7'-0"x1-3/4"	WD				STL	3	A	2	2	2	--	
C215	F	3'-0"x7'-0"x1-3/4"	WD		3/4"		STL	1	A	2	2	2	--	
C216	F	3'-0"x7'-0"x1-3/4"	WD				STL	1	A	2	2	2	--	
C217	F	3'-0"x7'-0"x1-3/4"	WD		3/4"		STL	1	A	2	2	2	--	
S301	F	PR 3'-0"x7'-0"x1-3/4"	STL				STL	2A	A	95	94	94	--	

*AD 01

*AD 01

*AD 01

*AD 01

*AD 01

*AD 01

DOOR AND FRAME GENERAL NOTES

A. UNLESS INDICATED OTHERWISE, ALL DETAIL NUMBERS IN THE DOOR AND FRAME SCHEDULE FOR HEAD, JAMB AND SILL CONDITIONS REFER TO DRAWINGS A3.2.1 - A3.2.6.

B. DOOR AND FRAME DETAILS INDICATE GENERAL CHARACTERISTICS OF DOOR AND FRAME SIZES AND COMPONENTS AND MAY NOT INDICATE EXACT FIELD CONDITIONS OR REQUIREMENTS. COORDINATE DETAILS WITH OTHER DRAWINGS AND SPECS TO DETERMINE ALL COMPONENTS (E.G., SEALANTS, ANCHORS, HARDWARE, LINTELS, CLIPS) REQUIRED FOR COMPLETE AND FUNCTIONAL INSTALLATION.

C. DOOR SWINGS ON FLOOR PLANS TAKE PRECEDENCE OVER SWINGS INDICATED ELSEWHERE (E.G., ELEVATIONS).

D. WHERE * OCCURS IN DOOR SCHEDULE, FRAME DETAILS IMMEDIATELY ADJACENT TO DOOR ARE MFR STANDARD DETAILS AND ARE NOT REPLICATED IN DRAWINGS. REFER TO FRAME ELEVATIONS FOR ADDITIONAL DETAIL REFERENCES AT FRAME PERIMETER

*AD 01

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
STEPHEN ELLIS HALSEY
Lic. No. 0401010134
01-24-2021
ARCHITECT

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT#: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: January 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

DOOR AND FRAME SCHEDULE

A3.1.1

2/4/2021 10:20:09 AM

ALUMINUM STOREFRONT TYPES

LOUVER TYPES

STEEL FRAME TYPES

DOOR, FRAME AND GLAZING TYPE GENERAL NOTES

GLAZING TYPES

REPRESENTED BY n

GL-1	1/4" CLEAR
GL-2	1" TINTED INSULATING
GL-3	1" SPANDREL PANEL
GL-4	1" TINTED INSULATING
GL-5	1" FROSTED INSULATING
GL-6	1/4" FROSTED

NOTES:
1. ALL GLAZING IN INTERIOR FRAMES SHALL BE GL-1, UNO
2. ALL GLAZING IN EXTERIOR FRAMES SHALL BE GL-2, UNO
3. GLAZE ALL OPENINGS IN FRAMES UNLESS SPECIFICALLY INDICATED OTHERWISE
4. ALL GLAZING SHALL BE SAFETY GLASS UNLESS INDICATED OTHERWISE

DOOR, FRAME AND GLAZING TYPE KEYNOTES

REPRESENTED BY n

APPLIES TO DRAWINGS A3.1.2 - A3.1.3

1	SIZE AS REQUIRED TO ACCOMMODATE DOOR, HARDWARE AND FRAME COMPONENTS.
2	POCKET MOUNTED MANUAL SHEER ROLLER SHADE
3	SURFACE MOUNTED MANUAL DUAL ROLLER SHADE
4	HEAD MOUNTED MANUAL SHEER ROLLER SHADE
5	POCKET MOUNTED MANUAL DUAL ROLLER SHADE
6	HEAD MOUNTED MOTORIZED SHEER ROLLER SHADE
7	POCKET MOUNTED MOTORIZED SHEER ROLLER SHADE

*AD 01

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
STEPHEN ELLIS HALSEY
Lic. No. 0401010134
01-24-2021
ARCHITECT

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT#: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: January 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

DOOR, FRAME AND GLAZING TYPES

A3.1.2

2/4/2021 10:20:25 AM

CURTAIN WALL TYPES

ALUMINUM STOREFRONT TYPES

ALUMINUM STOREFRONT TYPES

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
STEPHEN ELLIS HALSEY
Lic. No. 0401010134
01-24-2021
ARCHITECT

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT#: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: January 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

ALUMINUM STOREFRONT & CURTAIN WALL TYPES

A3.1.3

2/4/2021 10:47:15 AM

22 JAMB DETAIL
A3.1.2 A3.2.1 3" = 1'-0"

21 HEAD DETAIL
A3.1.2 A3.2.1 3" = 1'-0"

20 SILL DETAIL
A3.2.1 3" = 1'-0"

19 JAMB DETAIL
A3.1.2 A3.2.1 3" = 1'-0"

18 SILL DETAIL
A3.1.2 A3.2.1 3" = 1'-0"

17 JAMB DETAIL
A3.1.2 A3.2.1 3" = 1'-0"

16 HEAD DETAIL
A3.1.2 A3.2.1 3" = 1'-0"

15 SILL DETAIL
A3.1.2 A3.2.1 3" = 1'-0"

14 JAMB DETAIL
A3.1.2 A3.2.1 3" = 1'-0"

13 HEAD DETAIL
A3.1.2 A3.2.1 3" = 1'-0"

12 JAMB DETAIL
A3.1.2 A3.2.1 3" = 1'-0"

11 JAMB DETAIL
A3.1.2 A3.2.1 3" = 1'-0"

10 HEAD DETAIL
A3.1.2 A3.2.1 3" = 1'-0"

9 SILL DETAIL
A3.1.2 A3.2.1 3" = 1'-0"

8 JAMB DETAIL
A3.1.2 A3.2.1 3" = 1'-0"

7 HEAD DETAIL
A3.1.2 A3.2.1 3" = 1'-0"

6 HEAD DETAIL
A3.1.2 A3.2.1 3" = 1'-0"

5 JAMB DETAIL
A3.1.2 A3.2.1 3" = 1'-0"

4 HEAD DETAIL
A3.1.2 A3.2.1 3" = 1'-0"

3 INTERIOR BETWEEN THE JAMB - BUTTED HEAD/JAMB/SILL
A3.2.1 6" = 1'-0"

2 INTERIOR BETWEEN THE JAMB - PROJECTED HEAD/JAMB/SILL
A3.2.1 6" = 1'-0"

1 INTERIOR WRAP HEAD/JAMB/SILL
A3.2.1 6" = 1'-0"

1. ALL FRAME/JAMB DEPTHS, OTHER THAN WRAP CONDITIONS, SHALL BE 6 3/4", UNO.
2. ALL FRAME/JAMB DEPTHS AT WRAP CONDITIONS SHALL BE SIZED TO SUIT PARTITION.
3. DOORS, PANELS, GLAZING, STOPS, AND OTHER FRAME INFILLS ARE NOT SHOWN IN FRAME SECTIONS AS THEY VARY - PROVIDE SAME WHERE INDICATED.

STEEL FRAME SECTIONS
NO SCALE

MANEUVERING CLEARANCE AT DOORS
NO SCALE

DOOR AND FRAME DETAIL KEYNOTES

REPRESENTED BY n

APPLIES TO DRAWINGS A3.2.1 - A3.2.6

1	ANCHORAGES, REINFORCING, SPECIFIC PARTITION CONSTRUCTION AND/OR LINTELS ARE NOT SHOWN FOR CLARITY.
2	REFER TO FRAME SECTION IN DOOR SCHEDULE FOR TYPE.
3	SEALANT, ALL SIDES - TOOL TO 90°.
4	BACKBEND RETURN @ GB LOCATIONS ONLY.
5	9/16" @ MAS; 1/2" @ GB.
6	1/4" @ JAMBS, UNO; DIMENSION @ HEAD & SILL VARIES.
7	BULLNOSE @ CMU JAMBS & SILLS.
8	0" @ GB LOCATIONS; 1/16" @ MAS LOCATIONS.
9	STL DOOR FRAME - GROUT SOLID
10	PVC ANGLE STOP FOR SPRAY FOAM
11	AIR BARRIER TRANSITION MEMBRANE
12	CONTINUOUS BACKER ROD AND SEALANT
13	STEEL ANGLE
14	MEMBRANE FLASHING W/ WEEPS & DRIP EDGE
15	CAVITY DRAINAGE MATERIAL
16	FINISHED CEILING AS SPECIFIED. REFER TO REFLECTED CEILING PLAN A9.1 SERIES
17	MASONRY VENEER - TYPE VARIES. REFER TO WALL ASSEMBLY TYPES
18	ALUMINUM STOREFRONT SYSTEM
19	INTERIOR ALUMINUM SNAP-ON TRIM
20	MINERAL-WOOL BOARD, FILL CAVITY. 1" MINIMUM WIDTH
21	METAL SILL FLASHING W/ DRIP EDGE AND END DAMS. FINISH TO MATCH AS/CW SYSTEM
22	METAL PANEL SYSTEM - TYPE VARIES, REFER TO WALL ASSEMBLIES TYPES
23	ARCHITECTURAL PRECAST CONCRETE SILL
24	METAL PANEL CLOSURE BY METAL PANEL MANUFACTURER
25	PREFINISHED METAL FLASHING WITH DRIP EDGE BY METAL PANEL MANUFACTURER
26	LIGHT GUAGE METAL ANGLE
27	ALUMINUM CURTAINWALL SYSTEM
28	REVEAL JOINT
29	PREFINISHED BRAKE METAL ENCLOSURE BY CW/AS MANUFACTURER
30	PREFINISHED METAL FLASHING. FINISH TO MATCH ADJACENT METAL PANEL
31	STL SUPPORT AT AS/CW SILL - REFER TO STRUCTURAL
32	SOLID SURFACE SILL
33	SPANDREL INSULATION
34	GROUT SOLID
35	RIGID INSULATION

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
STEPHEN ELLIS HALSEY
Lic. No. 0401010134
01-24-2021
ARCHITECT

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT#: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: January 24, 2021

REVISIONS	
DATE	DESCRIPTION
02/03/21	*AD 01

DOOR AND FRAME DETAILS

A3.2.1

2/4/2021 10:20:38 AM

51 A3.1.3 A3.2.2 **JAMB DETAIL** 3" = 1'-0"

50 A3.1.3 A3.2.2 **JAMB DETAIL** 3" = 1'-0"

49 A3.1.3 A3.2.2 **JAMB DETAIL** 3" = 1'-0"

48 A3.1.3 A3.2.2 **JAMB DETAIL** 3" = 1'-0"

47 A3.1.3 A3.2.2 **JAMB DETAIL** 3" = 1'-0"

46 A3.1.2 A3.2.2 **JAMB DETAIL** 3" = 1'-0"

45 A3.1.2 A3.2.2 **JAMB DETAIL** 3" = 1'-0"

44 A3.1.3 A3.2.2 **JAMB DETAIL** 3" = 1'-0"

43 A3.1.3 A3.2.2 **JAMB DETAIL** 3" = 1'-0"

42 A3.1.2 A3.2.2 **JAMB DETAIL** 3" = 1'-0"

41 A3.1.2 A3.2.2 **JAMB DETAIL** 3" = 1'-0"

40 A3.1.2 A3.2.2 **HEAD DETAIL** 3" = 1'-0"

39 A3.1.2 A3.2.2 **JAMB DETAIL** 3" = 1'-0"

38 A3.1.2 A3.2.2 **HEAD DETAIL** 3" = 1'-0"

37 A3.1.2 A3.2.2 **JAMB DETAIL** 3" = 1'-0"

36 A3.1.2 A3.2.2 **JAMB DETAIL** 3" = 1'-0"

35 A3.1.2 A3.2.2 **HEAD DETAIL** 3" = 1'-0"

34 A3.1.2 A3.2.2 **JAMB/HEAD DETAIL** 3" = 1'-0"

33 A3.1.2 A3.2.2 **JAMB DETAIL** 3" = 1'-0"

32 A3.1.2 A3.2.2 **JAMB DETAIL** 3" = 1'-0"

31 A3.1.2 A3.2.2 **JAMB DETAIL** 3" = 1'-0"

30 A3.1.2 A3.2.2 **HEAD DETAIL** 3" = 1'-0"

29 A3.1.2 A3.2.2 **SILL DETAIL** 3" = 1'-0"

28 A3.1.2 A3.2.2 **JAMB DETAIL** 3" = 1'-0"

27 A3.1.2 A3.2.2 **HEAD DETAIL** 3" = 1'-0"

26 A3.1.2 A3.2.2 **JAMB DETAIL** 3" = 1'-0"

25 A3.1.2 A3.2.2 **JAMB DETAIL** 3" = 1'-0"

24 A3.1.2 A3.2.2 **HEAD DETAIL** 3" = 1'-0"

DOOR AND FRAME DETAIL KEYNOTES

REPRESENTED BY n

APPLIES TO DRAWINGS A3.2.1 - A3.2.6

1	ANCHORAGES, REINFORCING, SPECIFIC PARTITION CONSTRUCTION AND/OR LINTELS ARE NOT SHOWN FOR CLARITY.
2	REFER TO FRAME SECTION IN DOOR SCHEDULE FOR TYPE.
3	SEALANT, ALL SIDES - TOOL TO 90°.
4	BACKBEND RETURN @ GB LOCATIONS ONLY.
5	9/16" @ MAS; 1/2" @ GB.
6	1/4" @ JAMBS, UNO; DIMENSION @ HEAD & SILL VARIES.
7	BULLNOSE @ CMU JAMBS & SILLS.
8	0" @ GB LOCATIONS; 1/16" @ MAS LOCATIONS.
9	STL DOOR FRAME - GROUT SOLID
10	PVC ANGLE STOP FOR SPRAY FOAM
11	AIR BARRIER TRANSITION MEMBRANE
12	CONTINUOUS BACKER ROD AND SEALANT
13	STEEL ANGLE
14	MEMBRANE FLASHING W/ WEEPS & DRIP EDGE
15	CAVITY DRAINAGE MATERIAL
16	FINISHED CEILING AS SPECIFIED. REFER TO REFLECTED CEILING PLAN A9.1 SERIES
17	MASONRY VENEER - TYPE VARIES. REFER TO WALL ASSEMBLY TYPES
18	ALUMINUM STOREFRONT SYSTEM
19	INTERIOR ALUMINUM SNAP-ON TRIM
20	MINERAL-WOOL BOARD, FILL CAVITY. 1" MINIMUM WIDTH
21	METAL SILL FLASHING W/ DRIP EDGE AND END DAMS. FINISH TO MATCH AS/CW SYSTEM
22	METAL PANEL SYSTEM - TYPE VARIES, REFER TO WALL ASSEMBLIES TYPES
23	ARCHITECTURAL PRECAST CONCRETE SILL
24	METAL PANEL CLOSURE BY METAL PANEL MANUFACTURER
25	PREFINISHED METAL FLASHING WITH DRIP EDGE BY METAL PANEL MANUFACTURER
26	LIGHT GUAGE METAL ANGLE
27	ALUMINUM CURTAINWALL SYSTEM
28	REVEAL JOINT
29	PREFINISHED BRAKE METAL ENCLOSURE BY CW/AS MANUFACTURER
30	PREFINISHED METAL FLASHING. FINISH TO MATCH ADJACENT METAL PANEL
31	STL SUPPORT AT AS/CW SILL - REFER TO STRUCTURAL
32	SOLID SURFACE SILL
33	SPANDREL INSULATION
34	GROUT SOLID
35	RIGID INSULATION

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
STEPHEN ELLIS HALSEY
Lic. No. 0401010134
01-24-2021
ARCHITECT

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT#: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: January 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

DOOR AND FRAME DETAILS

A3.2.2

2/4/2021 10:20:55 AM

71 JAMB DETAIL
A3.1.3 | A3.2.3 3" = 1'-0"

70 JAMB DETAIL
A3.1.3 | A3.2.3 3" = 1'-0"

69 HEAD DETAIL
A3.1.3 | A3.2.3 3" = 1'-0"

68 SILL DETAIL
A3.1.3 | A3.2.3 3" = 1'-0"

67 JAMB DETAIL
A3.1.3 | A3.2.3 3" = 1'-0"

66 JAMB DETAIL
A3.1.3 | A3.2.3 3" = 1'-0"

65 JAMB DETAIL
A2.3.2 | A3.2.3 3" = 1'-0"

64 JAMB DETAIL
A3.1.3 | A3.2.3 3" = 1'-0"

63 HEAD DETAIL
A3.1.3 | A3.2.3 3" = 1'-0"

62 JAMB DETAIL
A3.1.3 | A3.2.3 3" = 1'-0"

61 JAMB DETAIL
A3.1.3 | A3.2.3 3" = 1'-0"

60 HEAD DETAIL
A3.1.3 | A3.2.3 3" = 1'-0"

59 SILL DETAIL
A3.1.3 | A3.2.3 3" = 1'-0"

58 JAMB DETAIL
A3.1.3 | A3.2.3 3" = 1'-0"

57 HEAD DETAIL
A3.1.3 | A3.2.3 3" = 1'-0"

56 JAMB DETAIL
A3.1.3 | A3.2.3 3" = 1'-0"

55 JAMB DETAIL
A3.1.3 | A3.2.3 3" = 1'-0"

54 SILL DETAIL
A3.1.2 | A3.2.3 3" = 1'-0"

53 SILL DETAIL
A3.1.3 | A3.2.3 3" = 1'-0"

52 HEAD DETAIL
A3.1.3 | A3.2.3 3" = 1'-0"

DOOR AND FRAME DETAIL KEYNOTES

REPRESENTED BY n

APPLIES TO DRAWINGS A3.2.1 - A3.2.6

1	ANCHORAGES, REINFORCING, SPECIFIC PARTITION CONSTRUCTION AND/OR LINTELS ARE NOT SHOWN FOR CLARITY.
2	REFER TO FRAME SECTION IN DOOR SCHEDULE FOR TYPE.
3	SEALANT, ALL SIDES - TOOL TO 90°.
4	BACKBEND RETURN @ GB LOCATIONS ONLY.
5	9/16" @ MAS; 1/2" @ GB.
6	1/4" @ JAMBS, UNO; DIMENSION @ HEAD & SILL VARIES.
7	BULLNOSE @ CMU JAMBS & SILLS.
8	0" @ GB LOCATIONS; 1/16" @ MAS LOCATIONS.
9	STL DOOR FRAME - GROUT SOLID
10	PVC ANGLE STOP FOR SPRAY FOAM
11	AIR BARRIER TRANSITION MEMBRANE
12	CONTINUOUS BACKER ROD AND SEALANT
13	STEEL ANGLE
14	MEMBRANE FLASHING W/ WEEPS & DRIP EDGE
15	CAVITY DRAINAGE MATERIAL
16	FINISHED CEILING AS SPECIFIED. REFER TO REFLECTED CEILING PLAN A9.1 SERIES
17	MASONRY VENEER - TYPE VARIES. REFER TO WALL ASSEMBLY TYPES
18	ALUMINUM STOREFRONT SYSTEM
19	INTERIOR ALUMINUM SNAP-ON TRIM
20	MINERAL-WOOL BOARD, FILL CAVITY. 1" MINIMUM WIDTH
21	METAL SILL FLASHING W/ DRIP EDGE AND END DAMS. FINISH TO MATCH AS/CW SYSTEM
22	METAL PANEL SYSTEM - TYPE VARIES, REFER TO WALL ASSEMBLIES TYPES
23	ARCHITECTURAL PRECAST CONCRETE SILL
24	METAL PANEL CLOSURE BY METAL PANEL MANUFACTURER
25	PREFINISHED METAL FLASHING WITH DRIP EDGE BY METAL PANEL MANUFACTURER
26	LIGHT GUAGE METAL ANGLE
27	ALUMINUM CURTAINWALL SYSTEM
28	REVEAL JOINT
29	PREFINISHED BRAKE METAL ENCLOSURE BY CW/AS MANUFACTURER
30	PREFINISHED METAL FLASHING. FINISH TO MATCH ADJACENT METAL PANEL
31	STL SUPPORT AT AS/CW SILL - REFER TO STRUCTURAL
32	SOLID SURFACE SILL
33	SPANDREL INSULATION
34	GROUT SOLID
35	RIGID INSULATION

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
STEPHEN ELLIS HALSEY
Lic. No. 0401010134
01-24-2021
ARCHITECT

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT#: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: January 24, 2021

REVISIONS	
DATE	DESCRIPTION
02/03/21	*AD 01

DOOR AND FRAME DETAILS

A3.2.3

2/4/2021 10:21:09 AM

89 A3.1.3 A3.2.4 **JAMB DETAIL** 3" = 1'-0"

88 A3.1.3 A3.2.4 **JAMB DETAIL** 3" = 1'-0"

87 A3.1.3 A3.2.4 **HEAD DETAIL** 3" = 1'-0"

86 A3.1.3 A3.2.4 **SILL DETAIL** 3" = 1'-0"

85 A3.1.3 A3.2.4 **HEAD DETAIL** 3" = 1'-0"

84 A3.1.3 A3.2.4 **JAMB DETAIL** 3" = 1'-0"

83 A2.3.2 A3.2.4 **JAMB DETAIL** 3" = 1'-0"

82 A3.1.3 A3.2.4 **JAMB DETAIL** 3" = 1'-0"

81 A3.1.3 A3.2.4 **HEAD DETAIL** 3" = 1'-0"

80 A3.1.3 A3.2.4 **JAMB DETAIL** 3" = 1'-0"

79 A3.1.3 A3.2.4 **JAMB DETAIL** 3" = 1'-0"

78 A3.1.3 A3.2.4 **JAMB DETAIL** 3" = 1'-0"

77 A3.1.3 A3.2.4 **JAMB DETAIL** 3" = 1'-0"

76 A3.1.3 A3.2.4 **JAMB DETAIL** 3" = 1'-0"

75 A3.1.3 A3.2.4 **HEAD DETAIL** 3" = 1'-0"

74 A3.1.3 A3.2.4 **JAMB DETAIL** 3" = 1'-0"

73 A3.1.3 A3.2.4 **JAMB DETAIL** 3" = 1'-0"

72 A3.1.3 A3.2.4 **HEAD DETAIL** 3" = 1'-0"

DOOR AND FRAME DETAIL KEYNOTES

REPRESENTED BY n

APPLIES TO DRAWINGS A3.2.1 - A3.2.6

1	ANCHORAGES, REINFORCING, SPECIFIC PARTITION CONSTRUCTION AND/OR LINTELS ARE NOT SHOWN FOR CLARITY.
2	REFER TO FRAME SECTION IN DOOR SCHEDULE FOR TYPE.
3	SEALANT, ALL SIDES - TOOL TO 90°.
4	BACKBEND RETURN @ GB LOCATIONS ONLY.
5	9/16" @ MAS; 1/2" @ GB.
6	1/4" @ JAMBS, UNO; DIMENSION @ HEAD & SILL VARIES.
7	BULLNOSE @ CMU JAMBS & SILLS.
8	0" @ GB LOCATIONS; 1/16" @ MAS LOCATIONS.
9	STL DOOR FRAME - GROUT SOLID
10	PVC ANGLE STOP FOR SPRAY FOAM
11	AIR BARRIER TRANSITION MEMBRANE
12	CONTINUOUS BACKER ROD AND SEALANT
13	STEEL ANGLE
14	MEMBRANE FLASHING W/ WEEPS & DRIP EDGE
15	CAVITY DRAINAGE MATERIAL
16	FINISHED CEILING AS SPECIFIED. REFER TO REFLECTED CEILING PLAN A9.1 SERIES
17	MASONRY VENEER - TYPE VARIES. REFER TO WALL ASSEMBLY TYPES
18	ALUMINUM STOREFRONT SYSTEM
19	INTERIOR ALUMINUM SNAP-ON TRIM
20	MINERAL-WOOL BOARD, FILL CAVITY. 1" MINIMUM WIDTH
21	METAL SILL FLASHING W/ DRIP EDGE AND END DAMS. FINISH TO MATCH AS/CW SYSTEM
22	METAL PANEL SYSTEM - TYPE VARIES, REFER TO WALL ASSEMBLIES TYPES
23	ARCHITECTURAL PRECAST CONCRETE SILL
24	METAL PANEL CLOSURE BY METAL PANEL MANUFACTURER
25	PREFINISHED METAL FLASHING WITH DRIP EDGE BY METAL PANEL MANUFACTURER
26	LIGHT GUAGE METAL ANGLE
27	ALUMINUM CURTAINWALL SYSTEM
28	REVEAL JOINT
29	PREFINISHED BRAKE METAL ENCLOSURE BY CW/AS MANUFACTURER
30	PREFINISHED METAL FLASHING. FINISH TO MATCH ADJACENT METAL PANEL
31	STL SUPPORT AT AS/CW SILL - REFER TO STRUCTURAL
32	SOLID SURFACE SILL
33	SPANDREL INSULATION
34	GROUT SOLID
35	RIGID INSULATION

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
STEPHEN ELLIS HALSEY
Lic. No. 0401010134
01-24-2021
ARCHITECT

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT#: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: January 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

DOOR AND FRAME DETAILS

A3.2.4

2/4/2021 10:21:24 AM

107 A3.1.3 A3.2.5 **JAMB DETAIL** 3" = 1'-0"

106 A3.1.3 A3.2.5 **HEAD DETAIL** 3" = 1'-0"

105 A3.1.3 A3.2.5 **SILL DETAIL** 3" = 1'-0"

104 A3.1.2 A3.2.5 **HEAD DETAIL** 3" = 1'-0"

103 A3.1.2 A3.2.5 **SILL DETAIL** 3" = 1'-0"

102 A3.1.2 A3.2.5 **JAMB DETAIL** 3" = 1'-0"

101 A3.1.2 A3.2.5 **HEAD DETAIL** 3" = 1'-0"

100 A3.1.2 A3.2.5 **SILL DETAIL** 3" = 1'-0"

99 A3.1.2 A3.2.5 **JAMB DETAIL** 3" = 1'-0"

98 A3.1.3 A3.2.5 **SLAB FIRESTOP DETAIL** 3" = 1'-0"

97 A3.1.2 A3.2.5 **HEAD DETAIL** 3" = 1'-0"

95 A3.2.5 **HEAD DETAIL** 3" = 1'-0"

96 A3.1.2 A3.2.5 **SILL DETAIL** 3" = 1'-0"

94 A3.2.5 **JAMB DETAIL** 3" = 1'-0"

93 A5.1.10 A3.2.5 **HEAD DETAIL** 3" = 1'-0"

92 A3.2.5 **JAMB DETAIL** 3" = 1'-0"

91 A3.2.5 **HEAD DETAIL** 3" = 1'-0"

90 A3.2.5 **JAMB DETAIL** 3" = 1'-0"

DOOR AND FRAME DETAIL KEYNOTES

REPRESENTED BY n

APPLIES TO DRAWINGS A3.2.1 - A3.2.6

1	ANCHORAGES, REINFORCING, SPECIFIC PARTITION CONSTRUCTION AND/OR LINTELS ARE NOT SHOWN FOR CLARITY.
2	REFER TO FRAME SECTION IN DOOR SCHEDULE FOR TYPE.
3	SEALANT, ALL SIDES - TOOL TO 90°.
4	BACKBEND RETURN @ GB LOCATIONS ONLY.
5	9/16" @ MAS; 1/2" @ GB.
6	1/4" @ JAMBS, UNO; DIMENSION @ HEAD & SILL VARIES.
7	BULLNOSE @ CMU JAMBS & SILLS.
8	0" @ GB LOCATIONS; 1/16" @ MAS LOCATIONS.
9	STL DOOR FRAME - GROUT SOLID
10	PVC ANGLE STOP FOR SPRAY FOAM
11	AIR BARRIER TRANSITION MEMBRANE
12	CONTINUOUS BACKER ROD AND SEALANT
13	STEEL ANGLE
14	MEMBRANE FLASHING W/ WEEPS & DRIP EDGE
15	CAVITY DRAINAGE MATERIAL
16	FINISHED CEILING AS SPECIFIED. REFER TO REFLECTED CEILING PLAN A9.1 SERIES
17	MASONRY VENEER - TYPE VARIES. REFER TO WALL ASSEMBLY TYPES
18	ALUMINUM STOREFRONT SYSTEM
19	INTERIOR ALUMINUM SNAP-ON TRIM
20	MINERAL-WOOL BOARD, FILL CAVITY. 1" MINIMUM WIDTH
21	METAL SILL FLASHING W/ DRIP EDGE AND END DAMS. FINISH TO MATCH AS/CW SYSTEM
22	METAL PANEL SYSTEM - TYPE VARIES, REFER TO WALL ASSEMBLIES TYPES
23	ARCHITECTURAL PRECAST CONCRETE SILL
24	METAL PANEL CLOSURE BY METAL PANEL MANUFACTURER
25	PREFINISHED METAL FLASHING WITH DRIP EDGE BY METAL PANEL MANUFACTURER
26	LIGHT GUAGE METAL ANGLE
27	ALUMINUM CURTAINWALL SYSTEM
28	REVEAL JOINT
29	PREFINISHED BRAKE METAL ENCLOSURE BY CW/AS MANUFACTURER
30	PREFINISHED METAL FLASHING. FINISH TO MATCH ADJACENT METAL PANEL
31	STL SUPPORT AT AS/CW SILL - REFER TO STRUCTURAL
32	SOLID SURFACE SILL
33	SPANDREL INSULATION
34	GROUT SOLID
35	RIGID INSULATION

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
STEPHEN ELLIS HALSEY
Lic. No. 0401010134
01-24-2021
ARCHITECT

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT#: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: January 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

DOOR AND FRAME DETAILS

A3.2.5

2/4/2021 10:21:37 AM

116 A3.2.6 **TYP ROLLER SHADE HEAD MOUNTED**
3" = 1'-0"

*AD 01

115 A3.2.6 **TYP ROLLER SHADE GYP POCKET MOUNTED**
3" = 1'-0"

114 A3.2.6 **TYP ROLLER SHADE CMU POCKET MOUNTED**
3" = 1'-0"

113 A3.1.2 A3.2.6 **HEAD/JAMB DETAIL**
3" = 1'-0"

112 A3.1.2 A3.2.6 **HEAD DETAIL**
3" = 1'-0"

111 A3.1.3 A3.2.6 **SILL DETAIL**
3" = 1'-0"

110 A3.1.2 A3.2.6 **JAMB DETAIL**
3" = 1'-0"

109 A3.1.2 A3.2.6 **HEAD DETAIL**
3" = 1'-0"

108 A3.1.2 A3.2.6 **SILL DETAIL**
3" = 1'-0"

DOOR AND FRAME DETAIL KEYNOTES

REPRESENTED BY n

APPLIES TO DRAWINGS A3.2.1 - A3.2.6

1	ANCHORAGES, REINFORCING, SPECIFIC PARTITION CONSTRUCTION AND/OR LINTELS ARE NOT SHOWN FOR CLARITY.
2	REFER TO FRAME SECTION IN DOOR SCHEDULE FOR TYPE.
3	SEALANT, ALL SIDES - TOOL TO 90°.
4	BACKBEND RETURN @ GB LOCATIONS ONLY.
5	9/16" @ MAS; 1/2" @ GB.
6	1/4" @ JAMBS, UNO; DIMENSION @ HEAD & SILL VARIES.
7	BULLNOSE @ CMU JAMBS & SILLS.
8	0" @ GB LOCATIONS; 1/16" @ MAS LOCATIONS.
9	STL DOOR FRAME - GROUT SOLID
10	PVC ANGLE STOP FOR SPRAY FOAM
11	AIR BARRIER TRANSITION MEMBRANE
12	CONTINUOUS BACKER ROD AND SEALANT
13	STEEL ANGLE
14	MEMBRANE FLASHING W/ WEEPS & DRIP EDGE
15	CAVITY DRAINAGE MATERIAL
16	FINISHED CEILING AS SPECIFIED. REFER TO REFLECTED CEILING PLAN A9.1 SERIES
17	MASONRY VENEER - TYPE VARIES. REFER TO WALL ASSEMBLY TYPES
18	ALUMINUM STOREFRONT SYSTEM
19	INTERIOR ALUMINUM SNAP-ON TRIM
20	MINERAL-WOOL BOARD, FILL CAVITY. 1" MINIMUM WIDTH
21	METAL SILL FLASHING W/ DRIP EDGE AND END DAMS. FINISH TO MATCH AS/CW SYSTEM
22	METAL PANEL SYSTEM - TYPE VARIES, REFER TO WALL ASSEMBLIES TYPES
23	ARCHITECTURAL PRECAST CONCRETE SILL
24	METAL PANEL CLOSURE BY METAL PANEL MANUFACTURER
25	PREFINISHED METAL FLASHING WITH DRIP EDGE BY METAL PANEL MANUFACTURER
26	LIGHT GUAGE METAL ANGLE
27	ALUMINUM CURTAINWALL SYSTEM
28	REVEAL JOINT
29	PREFINISHED BRAKE METAL ENCLOSURE BY CW/AS MANUFACTURER
30	PREFINISHED METAL FLASHING. FINISH TO MATCH ADJACENT METAL PANEL
31	STL SUPPORT AT AS/CW SILL - REFER TO STRUCTURAL
32	SOLID SURFACE SILL
33	SPANDREL INSULATION
34	GROUT SOLID
35	RIGID INSULATION

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
STEPHEN ELLIS HALSEY
Lic. No. 0401010134
01-24-2021
ARCHITECT

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT#: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: January 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

DOOR AND FRAME DETAILS

A3.2.6

2/4/2021 10:21:44 AM

7 A2.1.2 A4.1.2 **BUILDING ELEVATION**
1/8" = 1'-0"

BUILDING ELEVATION KEYNOTES

REPRESENTED BY n

APPLIES TO DRAWINGS A4.1.2 - A4.1.4

1	FACE BRICK TYPE A
2	FACE BRICK TYPE B
3	METAL COMPOSITE PANEL
4a	METAL WALL PANEL TYPE 'A'
4b	METAL WALL PANEL TYPE 'B'
5	ALUMINUM CURTAINWALL SYSTEM
6	ALUMINUM STOREFRONT SYSTEM
7	PREFINISHED METAL FASCIA
8	PREFINISHED METAL SOFFIT
9	PREFINISHED GUTTER AND DOWNSPOUT
10	PREFINISHED METAL COPING

BUILDING ELEVATION KEYNOTES

REPRESENTED BY n

APPLIES TO DRAWINGS A4.1.2 - A4.1.4

11	PRECAST CONCRETE SILL
12	PAINTED METAL COLUMN
13	PREFINISHED METAL COLUMN COVER
14	PREFINISHED METAL LOUVER
15	PREFINISHED METAL GUARDRAIL SYSTEM
16	BRICK REVEAL
17	METAL PANEL REVEAL
18	SOLDIER ORIENTED RUNNING BOND. FACE BRICK TYPE B
19	BRICK CORBEL, RUNNING BOND. FACE BRICK TYPE B
20	PREFINISHED STANDING SEAM METAL ROOF
21	POST SUPPORTED COVERED WALKWAY
22	DOCK BUMPERS

6 A2.1.2 A4.1.2 **BUILDING ELEVATION**
1/8" = 1'-0"

5 A2.1.2 A4.1.2 **BUILDING ELEVATION**
1/8" = 1'-0"

4 A2.1.1 A4.1.2 **BUILDING ELEVATION**
1/8" = 1'-0"

3 A2.1.1 A4.1.2 **BUILDING ELEVATION**
1/8" = 1'-0"

2 A1.2.4 A4.1.2 **BUILDING ELEVATION**
1/8" = 1'-0"

1 A2.1.1 A4.1.2 **BUILDING ELEVATION**
1/8" = 1'-0"

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
STEPHEN ELLIS HALSEY
Lic. No. 0401010134
01-24-2021
ARCHITECT

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT#: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: January 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

BUILDING ELEVATIONS

A4.1.2

2/4/2021 10:21:58 AM

BUILDING ELEVATION KEYNOTES

REPRESENTED BY n

APPLIES TO DRAWINGS A4.1.2 - A4.1.4

1	FACE BRICK TYPE A
2	FACE BRICK TYPE B
3	METAL COMPOSITE PANEL
4a	METAL WALL PANEL TYPE 'A'
4b	METAL WALL PANEL TYPE 'B'
5	ALUMINUM CURTAINWALL SYSTEM
6	ALUMINUM STOREFRONT SYSTEM
7	PREFINISHED METAL FASCIA
8	PREFINISHED METAL SOFFIT
9	PREFINISHED GUTTER AND DOWNSPOUT
10	PREFINISHED METAL COPING

BUILDING ELEVATION KEYNOTES

REPRESENTED BY n

APPLIES TO DRAWINGS A4.1.2 - A4.1.4

11	PRECAST CONCRETE SILL
12	PAINTED METAL COLUMN
13	PREFINISHED METAL COLUMN COVER
14	PREFINISHED METAL LOUVER
15	PREFINISHED METAL GUARDRAIL SYSTEM
16	BRICK REVEAL
17	METAL PANEL REVEAL
18	SOLDIER ORIENTED RUNNING BOND. FACE BRICK TYPE B
19	BRICK CORBEL, RUNNING BOND. FACE BRICK TYPE B
20	PREFINISHED STANDING SEAM METAL ROOF
21	POST SUPPORTED COVERED WALKWAY
22	DOCK BUMPERS

5 A4.1.3 **BUILDING ELEVATION** 1/8" = 1'-0"

4 A2.1.3 A4.1.3 **BUILDING ELEVATION** 1/8" = 1'-0"

3 A2.1.3 A4.1.3 **BUILDING ELEVATION** 1/8" = 1'-0"

2 A2.1.3 A4.1.3 **BUILDING ELEVATION** 1/8" = 1'-0"

1 A3.0.8 A4.1.3 **BUILDING ELEVATION** 1/8" = 1'-0"

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM
COMMONWEALTH OF VIRGINIA
STEPHEN ELLIS HALSEY
Lic. No. 0401010134
01-24-2021
ARCHITECT

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT#: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: January 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

BUILDING ELEVATIONS

A4.1.3

2/4/2021 10:22:09 AM

9 A2.1.1 A4.2.3 **INTERIOR ELEVATION** 1/8" = 1'-0"

10 A2.1.1 A4.2.3 **INTERIOR ELEVATION** 1/8" = 1'-0"

5 A2.1.3 A4.2.3 **INTERIOR ELEVATION** 1/8" = 1'-0"

4 A2.1.3 A4.2.3 **INTERIOR ELEVATION** 1/8" = 1'-0"

6 A2.1.1 A4.2.3 **INTERIOR ELEVATION** 1/8" = 1'-0"

3 A2.1.3 A4.2.3 **INTERIOR ELEVATION** 1/8" = 1'-0"

2 A2.1.3 A4.2.3 **INTERIOR ELEVATION** 1/8" = 1'-0"

1 A2.1.3 A4.2.3 **INTERIOR ELEVATION** 1/8" = 1'-0"

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
STEPHEN ELLIS HALSEY
Lic. No. 0401010134
01-24-2021
ARCHITECT

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT#: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: January 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

INTERIOR ELEVATIONS

A4.2.3

2/4/2021 10:22:24 AM

4 WALL SECTION
A2.1.2 A5.1.6 3/4" = 1'-0"

3 WALL SECTION
A2.1.2 A5.1.6 3/4" = 1'-0"

2 WALL SECTION
A2.1.2 A5.1.6 3/4" = 1'-0"

1 WALL SECTION
A2.1.2 A5.1.6 3/4" = 1'-0"

WALL SECTION KEYNOTES

REPRESENTED BY n

APPLIES TO DRAWINGS A5.1.1 - A5.1.16

1	BRICK CORBEL, RUNNING BOND
2	ARCHITECTURAL PRECAST CONCRETE SILL
3	SOLDIER ORIENTED RUNNING BOND, BEYOND
4	ACOUSTICAL BATT INSULATION
5	THRU-WALL SCUPPER
6	REVEAL JOINT
7	WOOD CAP
8	SOLID SURFACE SILL
9	ALUMINUM SOFFIT PANEL
10	PREFAB ALUMINUM CANOPY SYSTEM

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
STEPHEN ELLIS HALSEY
Lic. No. 0401010134
01-24-2021
ARCHITECT

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT#: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: January 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

WALL SECTIONS

A5.1.6

2/4/2021 10:22:30 AM

STAIR AND RAMP GENERAL NOTES

A. ALL RAILING INFILL PANELS: 3/4" X 3/4" STL BARS, UNO

B. TOP OF HANDRAIL: 3'-0" ABOVE EDGE OF RISERS AND FINISH FLOOR

C. TOP OF GUARDS: 3'-7" ABOVE EDGE OF RISERS AND FINISH FLOOR

D. ALL RAILING: 1 1/4" STL PIPE, UNO

10 STAIR SECTION — A6.1.1 | A6.1.1 — 1/2" = 1'-0"

9 STAIR PLAN — A2.1.2 | A6.1.1 — 1/4" = 1'-0"

8 STAIR SECTION — A6.1.1 | A6.1.1 — 1/2" = 1'-0"

7 STAIR PLAN — A2.1.2 | A6.1.1 — 1/4" = 1'-0"

HANDRAIL DETAILS
NO SCALE

6 STAIR C301 - PENTHOUSE LEVEL — A2.1.6 | A6.1.1 — 1/4" = 1'-0"

5 STAIR C207 - FIRST FLOOR PLAN — A2.1.6 | A6.1.1 — 1/4" = 1'-0"

4 STAIR C108 - FIRST FLOOR PLAN — A2.1.3 | A6.1.1 — 1/4" = 1'-0"

3 STAIR A301 - PENTHOUSE LEVEL — A2.1.4 | A6.1.1 — 1/4" = 1'-0"

2 STAIR A200 - SECOND FLOOR PLAN — A2.1.4 | A6.1.1 — 1/4" = 1'-0"

1 STAIR A132 - FIRST FLOOR PLAN — A2.1.1 | A6.1.1 — 1/4" = 1'-0"

*AD 01

12 ENLARGED PLAN — A2.1.2 | A6.1.1 — 1/4" = 1'-0"

11 ENLARGED PLAN — A2.1.5 | A6.1.1 — 1/4" = 1'-0"

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
STEPHEN ELLIS HALSEY
Lic. No. 0401010134
01-24-2021
ARCHITECT

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT#: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: January 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

ENLARGED STAIR & RAMP DETAILS

A6.1.1

2/4/2021 10:22:38 AM

2/4/2021 10:22:44 AM

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT#: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO.	582626
ISSUE DATE	January 24, 2021
REVISIONS	
DATE	DESCRIPTION
02/03/21	*AD 01

ENLARGED TOILET PLANS

A7.1.2

MOSELEYARCHITECTS

3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690

MOSELEYARCHITECTS.COM

3 A9.2 **SMOKE BAFFLE DETAIL**
3/4" = 1'-0"

2 A9.2 A9.2 **RCP - Proscenium**
1/4" = 1'-0"

N

REFLECTED CEILING PLAN - FIRST FLOOR PART B
1/8" = 1'-0"

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
STEPHEN ELLIS HALSEY
Lic. No. 0401010134
01-24-2021
ARCHITECT

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT#: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: January 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

REFLECTED CEILING PLAN - FIRST FLOOR PART B

A9.2

2/4/2021 10:22:53 AM

N

REFLECTED CEILING PLAN - FIRST FLOOR PART C

1/8" = 1'-0"

MOSELEYARCHITECTS

3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
STEPHEN ELLIS HALSEY
Lic. No. 0401010134
01-24-2021
ARCHITECT

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT#: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: January 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

REFLECTED CEILING PLAN - FIRST FLOOR PART C

A9.3

2/4/2021 10:22:59 AM

3 A5.1 | A9.5 **SECTION DETAIL - VERTICAL FOLDING PARTITION**
3/4" = 1'-0"

2 A9.5 **SECTION DETAIL**
1 1/2" = 1'-0"

N

REFLECTED CEILING PLAN -SECOND FLOOR PART B
1/8" = 1'-0"

MOSELEYARCHITECTS

3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
STEPHEN ELLIS HALSEY
Lic. No. 0401010134
01-24-2021
ARCHITECT

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT#: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: January 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

REFLECTED CEILING PLAN -SECOND FLOOR PART B

A9.5

2/4/2021 10:23:07 AM

1 A10.5 A10.5 **SECTION DETAIL**
3" = 1'-0"

N

ROOF PLAN - ADDITIVE ALTERNATE #1
1/8" = 1'-0"

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
STEPHEN ELLIS HALSEY
Lic. No. 0401010134
01-24-2021
ARCHITECT

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT#: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: January 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

ROOF PLAN - BID ALTERNATE

*AD 01

A10.5

2/4/2021 11:14:59 AM

STRUCTURAL ABBREVIATIONS

AB	ANCHOR BOLT	HORIZ	HORIZONTAL
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL	HS	HIGH STRENGTH
		HSS	HOLLOW STRUCTURAL SECTION
AFF	ABOVE FINISHED FLOOR	HT	HEIGHT
ALUM	ALUMINUM	IN	INCH
APPROX	APPROXIMATE	INFO	INFORMATION
ARCH	ARCHITECTURAL, ARCHITECT	INT	INTERIOR
AVG	AVERAGE	JBE	JOIST BEARING ELEVATION
BLDG	BUILDING	JS	JOIST SUBSTITUTE
BM	BEAM	JST	JOIST
BOT	BOTTOM	JT	JOINT
BRG	BEARING	K	KIP
BTWN	BETWEEN	LBS	POUNDS
CANT	CANTILEVER	LF	LINEAR FEET (FOOT)
CFSF	COLD FORMED STEEL FRAMING	LLH	LONG LEG HORIZONTAL
CIP	CAST IN PLACE	LLV	LONG LEG VERTICAL
CJ	CONTROL JOINT	M	METER(S)
CLG	CEILING	MAS	MASONRY
CLR	CLEAR	MATL	MATERIAL
CMU	CONCRETE MASONRY UNIT	MAX	MAXIMUM
COL	COLUMN	MECH	MECHANICAL
CONC	CONCRETE	MFR	MANUFACTURER
CONN	CONNECTION	MIN	MINIMUM
CONSTR	CONSTRUCTION	MM	MILLIMETER(S)
CONT	CONTINUOUS	NOM	NOMINAL
CTR	CENTER	NS	NON SHRINK
DBA	DEFORMED BAR ANCHOR	OC	ON CENTER
DBL	DOUBLE	OD	OUTSIDE DIAMETER
DIA	DIAMETER	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
DIAG	DIAGONAL	OPNG	OPENING
DIM	DIMENSION	OPP	OPPOSITE
DN	DOWN	PC CONC	PRECAST CONCRETE
DN	DRAWING	PEMB	PRE-ENGINEERED METAL BUILDING
EA	EACH	PFBC	PRE-FABRICATED BUILDING COLUMN
EF	EACH FACE	PLF	POUNDS PER LINEAR FOOT
EJ	EXPANSION JOINT	POLY	POLYETHYLENE
EL	ELEVATION	PPT	PRESSURE PRESERVATIVE TREATED
ELECT	ELECTRICAL	PSF	POUNDS PER SQUARE FOOT
ELEV	ELEVATOR	R	RADIUS
EOD	EDGE OF DECK	RD	ROOF DRAIN
EOS	EDGE OF SLAB	REF	REFERENCE
EQ	EQUAL	REINF	REINFORCING, REINFORCED
EW	EACH WAY	REQ'D	REQUIRED
EX	EXISTING	SIM	SIMILAR
EXP	EXPANSION	SL	SLOPE
EXT	EXTERIOR	SOG	SLAB ON GRADE
FB	FIXED BASE	SPA	SPACES
FD	FLOOR DRAIN	SS	STAINLESS STEEL
FDN	FOUNDATION	STD	STANDARD
FF	FINISHED FLOOR	STIFF	STIFFENER
FIN	FINISHED	STRUCT	STRUCTURAL
FLR	FLOOR	SUSP	SUSPENDED
FOB	FACE OF BRICK	SYM	SYMMETRY(RICAL)
FOC	FACE OF CONCRETE	T&B	TOP AND BOTTOM
FOM	FACE OF MASONRY	T&G	TONGUE AND GROOVE
FRMG	FRAMING	TF	TRANSFER FORCE
FRT	FIRE RETARDANT TREATED	TOC	TOP OF CONCRETE
FT	FOOT	TOS	TOP OF STEEL
FTG	FOOTING	TOSL	TOP OF SLAB
GA	GAGE	TOW	TOP OF WALL
GALV	GALVANIZED	TYP	TYPICAL
GB	GRADE BEAM	UNO	UNLESS NOTED OTHERWISE
GC	GENERAL CONTRACTOR	VB	VAPOR BARRIER
GRD	GRADE	VERT	VERTICAL
HD	HEADED	VR	VAPOR RETARDER
HK	HOOK	WPT	WORK POINT
		WWF	WELDED WIRE FABRIC

STRUCTURAL MATERIALS LEGEND

- EARTH
- CAST IN PLACE CONCRETE
- CLAY BRICK
- HOLLOW CONCRETE BLOCK
- SPLIT-FACE CONCRETE BLOCK
- GROUT FILLED CONCRETE BLOCK
- PRECAST CONCRETE
- POROUS FILL OR GRANULAR BASE COURSE
- CMU SHEAR WALLS

℄	CENTERLINE
JBE (+X'-X")	JOIST BEARING ELEVATION
BP1, BP2	BEAM BEARING PLATE
BP-A, BP-B ...	COLUMN BASE PLATE
P-1, P-2 ...	CONCRETE PIER
JS	JOIST SUBSTITUTE
SP	SPECIAL JOIST
	WALL FOOTING STEP
-X'-X"	TOP OF FOOTING ELEVATION
WPT	WORK POINT
(X'-X")	TOP OF SLAB ELEVATION
L1, L2 ...	LINTEL
X.X	COLUMN FOOTING
(+X'-X")	TOP OF STEEL BEAM ELEVATION
(J)	INDICATES TOP OF STRUCTURAL MEMBER SHALL BE IN SAME PLANE AS TOP OF JOIST
(SL)	INDICATES TOP OF STRUCTURAL MEMBER SHALL BE SLOPED
WFX.X	WALL FOOTING
	THICKENED SLAB
*	STEEL JOIST BOTTOM CHORD EXTENSION, WELDED
	STEEL BEAM MOMENT CONNECTION
TF	TRANSFER FORCE
#5@48"	CMU WALL REINFORCING SIZE AND SPACING
	CHANGE IN SLAB ELEVATION

DESIGN LOAD DATA

1. CLASSIFICATION OF BUILDING
   RISK CATEGORY (IBC TABLE 1604.5) — III

2. FLOOR LIVE LOADS

	UNIFORM	CONCENTRATED
OFFICES	50 PSF	2000 LB
PARTITION ALLOWANCE	15 PSF	
CLASSROOMS	50 PSF	1000 LB
CORRIDORS ABOVE FIRST FLOOR	80 PSF	1000 LB
LOBBIES AND FIRST FLOOR CORRIDORS	100 PSF	1000 LB
LIGHT STORAGE	125 PSF	
MECHANICAL ROOMS	150 PSF	
CATWALKS	40 PSF	300 LB
LIBRARIES		
STACK ROOM	150 PSF	1000 LB
READING ROOM	60 PSF	1000 LB
STAIRS	100 PSF	
ACCESS FLOOR SYSTEMS		
OFFICE USE	50 PSF	2000 LB
COMPUTER USE	100 PSF	2000 LB

CONCENTRATED LOAD APPLIED OVER 2'-6" x 2'-6" AREA.

REDUCTION OF FLOOR LIVE LOAD HAS NOT BEEN UTILIZED.

3. ROOF LIVE LOADS

MINIMUM ROOF LIVE LOAD	20 PSF	300 LB
ROOF GARDEN	100 PSF	
ASSEMBLY	100 PSF	

CONCENTRATED LOAD APPLIED OVER 2'-6" x 2'-6" AREA.

REDUCTION OF MINIMUM ROOF LIVE LOAD HAS NOT BEEN UTILIZED.

4. SUPERIMPOSED DEAD LOADS

ROOF	20 PSF
PENTHOUSE, MECHANICAL AREAS	20 PSF
STORAGE, STAIRS	-
ALL FRAMED FLOORS, UNO.	13 PSF

5. ROOF SNOW LOAD

GROUND SNOW LOAD (Pg)	20 PSF
IMPORTANCE FACTOR (Is)	1.1
EXPOSURE FACTOR (Ce)	1.0
THERMAL FACTOR (Ct)	1.0
MINIMUM Pf FOR Pg ≤ 20 PSF Pf min = Pg x I	22 PSF
SLOPED ROOF SNOW LOAD (Ps = Cs x Pf)	22 PSF

6. WIND DESIGN DATA

ULTIMATE DESIGN WIND SPEED (3 SECOND GUST)	120 MPH
NOMINAL DESIGN WIND SPEED (3 SECOND GUST)	93 MPH
EXPOSURE	B
INTERNAL PRESSURE COEFFICIENT (GCpi)	±0.18 (ENCLOSED)
COMPONENTS AND CLADDING	REFER TO TABLE BELOW (PER IBC 2012 AND ASCE 7)

7. SEISMIC DESIGN DATA

SEISMIC DESIGN CATEGORY	B
SEISMIC IMPORTANCE FACTOR (Ie)	1.25
SITE CLASS	D
MAPPED SPECTRAL RESPONSE ACCELERATIONS	B
(Ss)	0.156
(S1)	0.059
DESIGN SPECTRAL RESPONSE ACCELERATIONS	
(Sds)	0.167
(Sd1)	0.094
BASIC SEISMIC FORCE RESISTING SYSTEM:	B. BUILDING FRAME SYSTEM INTERMEDIATE REINFORCES MASONRY SHEAR WALLS
ALL STEEL SYSTEMS ARE:	H. SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE.
RESPONSE MODIFICATION COEFFICIENT (R)	3.0
SYSTEM OVERSTRENGTH FACTOR	2.5
DEFLECTION AMPLIFICATION FACTOR	2.25
SEISMIC RESPONSE COEFFICIENT (Cs)	0.069
DESIGN BASE SHEAR (V = Cs x W)	0.069W
ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE PROCEDURE
AREA SPECIFIC BASE SHEAR	
AREA A	286k
AREA B WING	64k
AREA C WING	150k
AREA B/C	144k
STORAGE BLDG	5k

8. LATERAL EARTH PRESSURE (EQUIVALENT FLUID PRESSURES)

AT REST (BRACED WALLS)	60 PCF
ACTIVE (CANTILEVERED WALLS)	40 PCF
PASSIVE	-
SLIDING FRICTION COEFFICIENT	0.35

STEEL DECK SCHEDULE

DECK TYPE 1	1 1/2" - 20 GAGE WIDE RIB ROOF DECK, GALVANIZED	FASTEN TO ALL SUPPORTS WITH HILTI X-ENP19 AT 36/7 PATTERN, AND AT 6" OC AT ALL EDGES AND END LAPS. FASTEN SIDELAPS WITH #10 TEK SCREWS WITH (6) SIDELAPS PER SPAN
DECK TYPE 2	3" - 20 GAGE ACOUSTIC ROOF DECK, GALVANIZED AND SHOP PRIMED	FASTEN TO ALL SUPPORTS WITH HILTI X-ENP19 AT 24/8 PATTERN, AND AT 6" OC AT ALL EDGES. FASTEN SIDELAPS BY WELDING OR WITH #12 TEK SCREWS AT 9" OC.
DECK TYPE 3	1 1/2" - 18 GAGE COMPOSITE FLOOR DECK, GALVANIZED	FASTEN TO ALL SUPPORTS AND EDGES WITH 5/8" DIAMETER PUDDLE WELDS AT 12" OC. FASTEN SIDELAPS WITH #10 TEK SCREWS AT 24" OC.

STEEL DECK FASTENER LAYOUT

LEGEND FOR SECTION AND DETAIL MARKS

SECTION AND DETAIL (WHERE DRAWN)

SECTION WHERE CUT

DETAIL WHERE CUT

DESIGN WIND PRESSURE FOR COMPONENTS AND CLADDING (ULTIMATE DESIGN PSF)

ROOF ZONE	COMPONENT EFFECTIVE WIND AREA (SF)							
	≤10		20		50		≥100	
1	+16	-27	+16	-26	+16	-25	+16	-25
2	+24	-45	+23	-41	+22	-34	+21	-29
3	+24	-45	+23	-41	+22	-34	+21	-29
WALL ZONE	**COMPONENT EFFECTIVE WIND AREA (SF)**							
	≤10		20		50		≥100	
4	+25	-27	+24	-26	+22	-24	+21	-23
5	+25	-33	+24	-31	+22	-28	+21	-26

NOTES:

1. POSITIVE AND NEGATIVE SIGNS SIGNIFY PRESSURES ACTING TOWARD AND AWAY FROM SURFACES, RESPECTIVELY.
2. BUILDING ZONES ARE DEFINED IN ASCE 7-10.
3. REDUCTION FACTORS FOR EFFECTIVE WIND AREAS ARE ALLOWED AS DEFINED BY TABLE 30.7.2 OF ASCE 7-10.

GENERAL

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE VIRGINIA UNIFORM STATEWIDE BUILDING CODE (USBC), 2015 EDITION, EFFECTIVE SEPTEMBER 4, 2018.
2. THE STRUCTURAL DRAWINGS ARE INTENDED TO BE USED IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS AND THE DRAWINGS OF THE OTHER ENGINEERING DISCIPLINES.
3. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.
4. VERIFY AND COORDINATE MECHANICAL UNIT SUPPORTS AND OPENINGS WITH EQUIPMENT PURCHASED FOR THE PROJECT. COORDINATE REQUIREMENTS FOR SLEEVES, HANGERS, INSERTS, ANCHORS AND ALL OTHER ITEMS TO BE SET IN STRUCTURAL WORK.
5. SPECIAL INSPECTIONS ARE REQUIRED BY THE VUSC8 (SECTION 1704). REFER TO THE STATEMENT OF SPECIAL INSPECTIONS PREPARED FOR THIS PROJECT AND THE PROJECT SPECIFICATIONS FOR SPECIFIC INSPECTION REQUIREMENTS. REFER TO SPECIFICATION SECTION 014000 FOR GENERAL INSPECTION REQUIREMENTS.

FOUNDATIONS

1. FOUNDATIONS ARE DESIGNED TO BEAR ON ORIGINAL UNDISTURBED SOIL OR CONTROLLED COMPACTED FILL WITH AN ALLOWABLE BEARING CAPACITY OF 2000 PSF. IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEERING REPORT PREPARED BY ECS, LTD DATED JANUARY 22, 2021.
2. THE GEOTECHNICAL ENGINEER FOR THE OWNERS TESTING AGENCY SHALL VERIFY BEARING CAPACITY AND SUITABILITY OF SUBGRADE PRIOR TO PLACING FOUNDATIONS AND GRADE SLABS.
3. SELECT AND PLACE CONTROLLED COMPACTED FILL UNDER DIRECT SUPERVISION OF THE GEOTECHNICAL ENGINEER FOR THE OWNERS TESTING AGENCY.
4. FOOTING STEPS FOR UNDERSLAB UTILITIES INDICATED ON FOUNDATION PLANS SHALL BE CONSIDERED APPROXIMATE. COORDINATE FOOTINGS WITH ACTUAL LOCATION, SIZE AND INVERT OF ALL UNDERGROUND PIPE (AND CONDUIT). REFER TO "FOOTING STEP" DETAIL TO STEP WALL FOOTING DOWN TO ALLOW UNDERSLAB PIPING TO PASS ABOVE THE FOOTING. ALTERNATELY, REFER TO "FOOTING SLEEVE" AND "PIPE TRENCH BACKFILL AT FOOTING" DETAILS TO ALLOW UNDERSLAB PIPING TO PASS BELOW THE TOP OF THE WALL FOOTING.
5. AVOID INFLUENCE OF PIPE TRENCH PARALLEL TO WALL FOOTING AND / OR ADJACENT TO COLUMN FOOTING. REFER TO "TRENCH LOCATION DETAIL".
6. PROTECT FOOTINGS AND GRADE SLABS FROM FROST HEAVE UNTIL BUILDING IS PERMANENTLY ENCLOSED.
7. BRACE WALLS PLUMB WHICH ARE SUBJECTED TO UNBALANCED BACKFILL UNTIL PERMANENTLY STABILIZED BY STRUCTURE.

CONCRETE

1. ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" AND ACI 301 "STANDARD SPECIFICATIONS FOR STRUCTURAL CONCRETE".
2. CONCRETE SHALL BE NORMAL WEIGHT AND SHALL OBTAIN ULTIMATE 28 DAY COMPRESSIVE STRENGTHS (F'c), AS FOLLOWS:

FOOTINGS	3000 PSI
SLAB-ON-GRADE	3500 PSI
SLABS ON STEEL DECK	3500 PSI
ELEVATED SLABS	4000 PSI
COLUMNS, PIERS AND WALLS	4000 PSI

3. ALL EXTERIOR CONCRETE SHALL BE AIR-ENTRAINED.
4. REINFORCING STEEL SHALL BE AS FOLLOWS:
   - REINFORCING BARS: ASTM A615, GRADE 60, DEFORMED
   - WELDED WIRE FABRIC: ASTM A1064, SHEET TYPE ONLY
   - WELDABLE REINFORCING BARS: ASTM A706 LOW ALLOW STEEL REINFORCING BARS, DEFORMED
   - DEFORMED BAR ANCHORS (DBA) ASTM A1064, DEFORMED
   - WELDING PER AWS D1.4 STRUCTURAL WELDING CODE - REINFORCING STEEL
5. MINIMUM CONCRETE COVER OVER REINFORCING SHALL BE UNO:

A. UNFORMED SURFACE CAST AGAINST EARTH	3 IN
B. FORMED SURFACE EXPOSED TO EARTH/WEATHER	2 IN
C. FORMED SLABS AND WALLS NOT EXPOSED TO EARTH/WEATHER FOR #11 AND SMALLER BAR	3/4 IN
D. ALL OTHER FORMED ELEMENTS NOT EXPOSED TO EARTH/WEATHER	1 1/2 IN

6. REFER TO DRAWING S3.0.1 FOR REINFORCING BAR LAP LENGTHS.

FIBER REINFORCING

1. STEEL FIBER REINFORCING SHALL BE PROVIDED IN SLAB ON GRADE AND IN SLAB ON COMPOSITE STEEL FLOOR DECK.
2. DOSAGE RATE SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, BUT NOT LESS THAN 35 POUNDS / CUBIC YARD.
3. STEEL FIBERS SHALL BE ADDED AT THE CONCRETE BATCH PLANT.
4. STEEL FIBER SHALL BE INCLUDED IN THE CONCRETE MIX DESIGNS SUBMITTED FOR REVIEW.

FLOWABLE FILL

1. CONTROLLED LOW STRENGTH MATERIAL (CLSM); ALSO REFERRED TO AS FLOWABLE FILL, MAY BE SUBMITTED FOR APPROVAL AS A SUBSTITUTE FOR COMPACTED FILL AT FOUNDATION UNDERCUT LOCATIONS. THE CLSM MIXTURE SHALL BE PROPORTIONED TO PRODUCE AN UNCONFINED COMPRESSIVE STRENGTH OF 100 PSI MINIMUM TO 300 PSI MAXIMUM.

STEEL DECK

1. ALL STEEL DECK WORK SHALL CONFORM TO THE LATEST EDITION OF THE STEEL DECK INSTITUTE (SDI) "DESIGN MANUAL FOR COMPOSITE DECKS, FORM DECKS AND ROOF DECKS", AND AMERICAN IRON AND STEEL INSTITUTE (AISI) "SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS".
2. WELDING SHALL BE IN ACCORDANCE WITH AWS D1.3, "STRUCTURAL WELDING CODE - SHEET STEEL".
3. PERMANENT LOADS SHALL NOT BE SUSPENDED FROM STEEL ROOF DECK UNLESS APPROVED BY ENGINEER OF RECORD.
4. STEEL DECK UP TO 2" DEEP SHALL BE INSTALLED WITH A MINIMUM OF 3 CONTINUOUS SPANS, UNLESS NOTED OTHERWISE. STEEL DECK 3" DEEP OR GREATER SHALL BE INSTALLED WITH A MINIMUM OF 2 CONTINUOUS SPANS, UNLESS NOTED OTHERWISE. ANY LOCATIONS NOT MEETING THESE CONDITIONS SHALL BE SPECIFICALLY IDENTIFIED ON THE STEEL DECK SHOP DRAWINGS.
5. REFER TO "STEEL DECK SCHEDULE" FOR DECK TYPES AND FASTENING REQUIREMENTS

STRUCTURAL STEEL

1. ALL STRUCTURAL STEEL WORK SHALL CONFORM TO THE FOLLOWING AISC DOCUMENTS:
   AISC 360 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS"
   AISC 303 "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES"
   RCSC S "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS"
2. STRUCTURAL STEEL SHALL COMPLY WITH THE FOLLOWING SPECIFICATIONS:

WIDE FLANGE SHAPES AND ANGLES	ASTM A992 (FY=50 KSI)
MISCELLANEOUS SHAPES, PLATES & BARS (TO 8" THICK)	ASTM A36 (FY=36 KSI)
HOLLOW STRUCTURAL SECTIONS (HSS)	
SQUARE & RECTANGLE	ASTM A500, GRADE C (FY=50 KSI)
ROUND	ASTM A500 GRADE C (FY=46 KSI)
HIGH STRENGTH BOLTS (CONVENTIONAL)	ASTM F3125 GRADE A325 OR A490 (TYPE 1)
WASHERS	ASTM F436 (FLAT AND BEVELED)
HEAVY HEX NUTS	ASTM A563
TWIST OFF TENSION CONTROL BOLTS	ASTM F3125 GRADE F1852 OR F2280 (TYPE 1)
COMPRESSIBLE-WASHER DIRECT-TENSION INDICATORS	ASTM F959 (TYPE 325 OR 490)
ANCHOR RODS	ASTM F1554, GR. 55 INCLUDE SUPPLEMENT S1
WELDING ELECTRODES	E70 (LOW HYDROGEN)
HEADED SHEAR STUDS	AWS D1.1 CLAUSE 7, TYPE B (FY=51 KSI)
THREADED ROD	ASTM A36

3. UNLESS NOTED OTHERWISE, CONNECTIONS SHALL BE DESIGNED IN ACCORDANCE WITH AISC MANUAL OF STEEL CONSTRUCTION, AS SIMPLE CONNECTIONS USING ALLOWABLE STRENGTH DESIGN (ASD). CONNECTIONS FOR NON-COMPOSITE BEAMS SHALL BE DESIGNED FOR THE UNIFORM LOAD CAPACITY INDICATED IN THE ALLOWABLE UNIFORM LOAD TABLES, PART 3, OF THE AISC MANUAL. CONNECTIONS FOR COMPOSITE STEEL BEAMS SHALL BE DESIGNED FOR THE REACTIONS INDICATED ON THE PLANS.
4. BOLTED JOINTS SHALL BE "SNUG TIGHTENED", UNLESS OTHERWISE INDICATED.
5. WHERE INDICATED, BOLTED JOINTS SHALL BE "PRETENSIONED" AND SHALL HAVE THREADS EXCLUDED FROM THE SHEAR PLANE. PRE-INSTALLATION VERIFICATION IS REQUIRED.
6. WHERE INDICATED, BOLTED JOINTS SHALL BE "SLIP CRITICAL". PRE-INSTALLATION VERIFICATION IS REQUIRED.
7. WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1 "STRUCTURAL WELDING CODE - STEEL".
8. WHERE STRUCTURAL STEEL IS EXPOSED BELOW GRADE, PROVIDE MINIMUM 3" CONCRETE COVER OR COAT WITH BITUMINOUS MASTIC.
9. STRUCTURAL STEEL EXPOSED TO WEATHER IN THE FINISHED WORK SHALL BE HOT DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A123, UNLESS NOTED OTHERWISE.
10. ARCHITECTURALLY EXPOSED STRUCTURAL STEEL INDICATED THUS (AESS), SHALL CONFORM TO THE REQUIREMENTS OF SECTION 10 OF THE AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES. ALL FABRICATION AND CONNECTIONS OF COMPONENTS EXPOSED AND VISIBLE IN THE FINISHED WORK SHALL BE MADE WITH CONTINUOUS WELDS. INTERMITTENT WELDS ARE ACCEPTABLE FOR NON-EXPOSED OR NON-VISIBLE LOCATIONS. WELD SIZE SHALL BE AS REQUIRED FOR STRUCTURAL STRENGTH BUT NOT LESS THAN 1/8" FILLET. HOLES BURNED THROUGH STEEL DECK DURING WELDING SHALL NOT BE ALLOWED. REPLACEMENT OF DECK WILL BE REQUIRED.

STEEL JOISTS

1. ALL STEEL JOIST WORK SHALL CONFORM TO THE LATEST EDITION OF THE STEEL JOIST INSTITUTE (SJI) STANDARD SPECIFICATIONS.
2. STEEL JOISTS SHALL BE DESIGNED USING ALLOWABLE STRENGTH DESIGN (ASD).
3. PROVIDE JOIST BRIDGING IN ACCORDANCE WITH SJI SPECIFICATIONS, OSHA REQUIREMENTS, AND AS REQUIRED BY JOIST DESIGN.
4. ROOF JOISTS AND BRIDGING SHALL BE DESIGNED FOR A NET UPLIFT OF 20 PSF (0.6D+0.6W). *AD 01
5. SPECIAL JOISTS, INDICATED "SP" ON FRAMING PLANS, SHALL BE DESIGNED FOR CRITERIA INDICATED.
6. DETAILING AND ERECTION OF OPEN WEB STEEL JOISTS SHALL COMPLY WITH OSHA REQUIREMENTS.
7. STEEL ROOF JOISTS SHALL BE PROVIDED WITH NO CAMBER.
8. DESIGN ALL JOISTS (K, KCS, LH) FOR 500 LB CONCENTRATED LOAD (SERVICE LOAD) AT ALL DIAGONAL STRUTS FRAMING TO JOIST CHORDS, UNLESS NOTED OTHERWISE.
9. TOP CHORD OF K-SERIES JOISTS SHALL BE DESIGNED FOR A POINT LOAD OF 200 POUNDS DEAD LOAD, LOCATED AT ANY POINT ALONG JOIST LENGTH, IN ADDITION TO ALL OTHER LOADS.
10. BOTTOM CHORD OF K-SERIES JOISTS SHALL BE DESIGNED FOR A POINT LOAD OF 200 POUNDS DEAD LOAD, LOCATED AT ANY POINT ALONG JOIST LENGTH, IN ADDITION TO ALL OTHER LOADS.
11. TOP CHORD OF KCS AND LH SERIES JOISTS SHALL BE DESIGNED FOR A POINT LOAD OF 500 POUNDS DEAD LOAD, LOCATED AT ANY POINT ALONG JOIST LENGTH, IN ADDITION TO ALL OTHER LOADS.
12. BOTTOM CHORD OF KCS AND LH SERIES JOISTS SHALL BE DESIGNED FOR A POINT LOAD OF 500 POUNDS DEAD LOAD, LOCATED AT ANY POINT ALONG JOIST LENGTH, IN ADDITION TO ALL OTHER LOADS.
13. REFER TO "TYPICAL CONCENTRATED LOAD ON STEEL JOIST" DETAIL FOR REQUIREMENTS REGARDING PIPE HANGERS AND OTHER EQUIPMENT LOADS.
14. STEEL JOISTS EXPOSED TO WEATHER IN THE FINISHED WORK SHALL BE PAINTED WITH A ZINC RICH TNEMEC PAINT THAT MEETS THE REQUIREMENTS OF ASTM D 520 TYPE III.
15. DESIGN ALL JOISTS FOR 1000 POUNDS ROLL-OVER, UNO. *AD 01

CONCRETE MASONRY (CMU)

1. ALL MASONRY WORK SHALL CONFORM TO THE REQUIREMENTS OF TMS 602 "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES WITH COMMENTARY" AND TMS 602 "SPECIFICATIONS FOR MASONRY STRUCTURES WITH COMMENTARY".
2. NET AREA COMPRESSIVE STRENGTH OF CONCRETE MASONRY(F'm), SHALL BE 2000 PSI, DETERMINED IN ACCORDANCE WITH THE UNIT STRENGTH METHOD PER TMS 602, UNLESS NOTED OTHERWISE.
3. CONCRETE MASONRY UNITS (CMU) SHALL CONFORM TO ASTM C90, AND SHALL BE MADE WITH LIGHTWEIGHT AGGREGATE.
4. MORTAR FOR CMU SHALL CONFORM TO ASTM C270, TYPE S, UNLESS NOTED OTHERWISE.
5. GROUT SHALL CONFORM TO ASTM C476 AND SHALL BE PROPORTIONED TO OBTAIN MINIMUM ULTIMATE 28 DAY COMPRESSIVE STRENGTH OF 2500 PSI.
6. PLACE GROUT IN ACCORDANCE WITH TMS 602. ALLOW A MINIMUM OF 24 HOURS FOR MASONRY TO SET PRIOR TO PLACING GROUT.
7. FILL COLLAR JOINTS OF COMPOSITE WALLS SOLID WITH MORTAR AS THE WALLS PROGRESS. BOND WYTHES OF COMPOSITE WALLS TOGETHER USING HORIZONTAL JOINT REINFORCING @ 16" ON CENTER, UNLESS NOTED OTHERWISE.
8. PROVIDE VERTICAL REINFORCING STEEL OF SIZE AND SPACING INDICATED. LAP SPLICE LENGTHS SHALL BE AS FOLLOWS:

#4 BAR AND SMALLER	26 INCHES
#5 BAR	34 INCHES
#6 BAR	38 INCHES
#7 BAR	45 INCHES

9. PROVIDE POSITIONERS TO HOLD VERTICAL WALL REINFORCING STEEL IN PROPER ALIGNMENT.
10. REINFORCING STEEL SHALL COMPLY WITH ASTM A615, GRADE 60.
11. MASONRY WALLS OF HOLLOW UNITS WHICH CHANGE THICKNESS SHALL HAVE A CONTINUOUS SOLID OR GROUT FILLED COURSE BELOW THE TRANSITION. IF WALL THICKNESS IS GREATER ABOVE THE TRANSITION, THE COURSE ABOVE THE TRANSITION SHALL ALSO BE GROUTED SOLID.
12. FILL CMU CELLS WITH GROUT FROM TOP OF FOOTING TO TOP OF SLAB-ON-GRADE ELEVATION.
13. MASONRY WALL CONTROL JOINTS ARE INDICATED ON THE STRUCTURAL DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS FOR CMU JOINT LOCATIONS AND DETAILS. COORDINATE JOINT LOCATIONS TO AVOID BEAM BEARING LOCATIONS AND SHEAR WALLS. DO NOT BREAK BOND BEAM REINFORCEMENT AT CONTROL JOINTS.

COLD FORMED STEEL FRAMING

1. ALL STRUCTURAL COLD FORMED STEEL FRAMING (CFSF) SHALL COMPLY WITH AISI'S "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS".
2. CFSF-S (STRUCTURAL): INCLUDES ALL EXTERIOR WALLS, SOFFITS, BULKHEADS, TRUSSES, RAFTERS, JOISTS AND CEILING JOISTS (IF SELF-SUPPORTING). PROVIDE ENGINEERING DESIGN OF ALL CFSF-S, AND SUBMIT DESIGN CALCULATIONS, ERECTION DRAWINGS AND DETAIL DRAWINGS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE COMMONWEALTH OF VIRGINIA. REFER TO SECTION 054000 FOR ADDITIONAL INFORMATION.
3. CFSF-NS (NON-STRUCTURAL): INCLUDES INTERIOR NON-LOAD BEARING STUD WALLS AND SUSPENDED CEILING FRAMING SYSTEM. REFER TO SECTION 092216 FOR ADDITIONAL INFORMATION.
4. ALL FRAMING MEMBERS, BRIDGING AND ACCESSORIES SHALL BE FORMED FROM STEEL SHEET HAVING A GALVANIZED COATING IN ACCORDANCE WITH ASTM A653.
5. ALL C - SHAPED FRAMING MEMBERS SHALL HAVE A MINIMUM FLANGE WIDTH OF 1 5/8 INCHES.
6. MINIMUM YIELD STRENGTH SHALL BE AS FOLLOWS:

FY = 33,000 PSI	18 GAUGE AND 20 GAUGE
FY = 50,000 PSI	16 GAUGE, 14 GAUGE AND 12 GAUGE

POST INSTALLED ANCHORS & DOWELS

1. INSTALL ALL ANCHORS IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED PROCEDURES AT NOT LESS THAN THE MINIMUM EDGE DISTANCES INDICATED IN THE MANUFACTURER'S LITERATURE. SUBMIT MANUFACTURER'S PRODUCT DATA FOR REVIEW BY THE ARCHITECT.
2. ALL ANCHORS (INCLUDING THREADED RODS, NUTS, WASHERS) SHALL BE ZINC PLATED IN ACCORDANCE WITH ASTM B633, FOR SERVICE CONDITION SC-1.
3. SCREW ANCHORS SHALL BE ONE OF THE FOLLOWING:

   SCREW-BOLT + BY DEWALT
   TITEN HD, BY SIMPSON STRONG-TIE ANCHORING SYSTEMS
   KWIK HUS-EZ, BY HILTI

   HOLE DIAMETER THROUGH STEEL MEMBER SHALL BE 1/8 INCH LARGER THAN NOMINAL DIAMETER OF ANCHOR.

   MIN

FOUNDATION PLAN - PART A

1/8" = 1'-0"

FOUNDATION PLAN NOTES:

1. FINISHED FIRST FLOOR ELEVATION = 121.00' = REFERENCE DATUM EL (+0'-0"). ALL STRUCTURAL ELEVATIONS INDICATED ARE REFERENCED FROM THIS ELEVATION, UNO.
2. FLOOR CONSTRUCTION SHALL BE 4" NORMAL WEIGHT CONCRETE SLAB ON GRADE REINFORCED WITH STEEL FIBER REINFORCING OVER VAPOR BARRIER OVER 6" GRANULAR BASE COURSE, UNO.
3. BASE COURSE SHALL BE A CLEAN, DENSELY-GRADED "CRUSHER RUN" MATERIAL WITH A BALANCED FINE CONTENT, SUCH AS VDOT 21A OR 21B STONE. THE BASE COURSE SHALL BE COMPACTED AND SHALL BE FINISHED TO A FLAT, SMOOTH, LOW-FRICTION SURFACE. COMPACTION SHALL BE MONITORED BY THE ON-SITE TESTING AGENCY. OPEN GRADED STONE, SUCH AS #57 STONE, IS NOT ACCEPTABLE.
4. TOP OF ALL FOOTINGS SHALL BE (-2'-0"), UNO.
5. ALL INTERIOR WALL FOOTINGS SHALL BE WF2.0, UNO. ALL EXTERIOR WALL FOOTINGS SHALL BE WF2.5, UNO.
6. FB INDICATES FIXED BASE, REFER TO BASEPLATE DETAILS ON S3.0.1.
7. COORDINATE FOOTING STEPS WITH ALL UNDERSLAB UTILITIES. REFER TO FOUNDATION NOTE #4 ON DRAWING S0.0.1.
8. REINFORCE ALL FULL HEIGHT INTERIOR 8" NON-LOAD BEARING CMU WITH #4 @ 48" UNO, (UNBRACED AND GREATER THAN 16'-0" SHALL BE #4 @ 24" OC) REINFORCE ALL FULL HEIGHT INTERIOR 8" NON-LOAD BEARING CMU W/ #5 @ 56" OC, UNO

FOUNDATION PLAN NOTES (CONT):

9. WALLS INDICATED AS SHADED ON PLAN ARE SHEAR WALLS. 8" CMU SHEAR WALLS SHALL BE REINFORCED WITH #5 AT 32" OC, UNO. CONTROL JOINTS ARE NOT PERMITTED IN SHEAR WALLS (SHADED REGION, UNO). LOCATE CONTROL JOINTS OUTSIDE OF SHEAR WALLS. CONTROL JOINTS ARE INTENDED TO BE PLACED IN GAPS BETWEEN SHADED REGIONS OF WALLS INDICATED ON PLAN UNO. DO NOT PLACE CONTROL JOINTS UNDER BEAM OR JOIST BEARING PLATES OR WITHIN 16" OF THE JAMB OF A WALL OPENING.
10. REFER TO DRAWING S0.0.1 FOR GENERAL NOTES, PLAN LEGEND, AND STRUCTURAL ABBREVIATIONS.
11. REFER TO DRAWINGS S3.0.1 AND S3.0.2 FOR TYPICAL FOUNDATION DETAILS AND SCHEDULES.
12. REINFORCING STEEL IN WALLS SHALL NOT BE CUT. LOCATE ALL PIPING AND CONDUIT OUTSIDE OF REINFORCED CELLS; EXCEPT A SINGLE 1" CONDUIT IS ALLOWED AT JAMBS.
13. WALL REINFORCING CALLOUTS INDICATED ON PLAN SHALL APPLY FOR THE ENTIRE LENGTH OF WALL, UNO.
14. ALL BELOW GRADE WALLS AND PARAPETS SHALL BE REINFORCED WITH HORIZONTAL JOINT REINFORCING AT 8" OC, UNO.
15. CJ INDICATES CONTROL JOINT IN CMU WALL. CJ SHALL BE LOCATED 1'-4" MIN FROM OPENING.
16. AT TERRAZO FLOORING, COORDINATE LOCATION OF SLAB ON GRADE CONTROL JOINTS WITH FLOOR JOINTS INDICATED ON THE ARCHITECTURAL FLOOR PATTERN DRAWINGS. DEPRESS SLAB MAXIMUM OF 3/4" FOR INSTALLATION OF FLOORING.
17. DESPRESS SLAB 3/4" FOR WALK OFF MATS.
18. (2) HSS4x4x5/16 ON 10" SQx3/4" BASEPLATE W/ (4) 3/4" DIA ANCHOR RODS ON A THICKENED SLAB FOR STAIR SUPPORT. COORDINATE FINAL LOCATION W/ STAIR MANUFACTURER REQUIREMENTS.

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
PAMELA J. BULLIVANT
Lic. No. 0402043907
01/24/2021
PROFESSIONAL ENGINEER

KEY PLAN

NEW PRINCE GEORGE ELEMETARY SCHOOL

DoE PROJECT # 074-38-00-100
PRINCE GEORGE COUNTY PUBLIC SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: JAN 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

FOUNDATION PLAN - PART A

S1.1.1

2/2/2021 5:01:28 PM

FOUNDATION PLAN - PART B

1/8" = 1'-0"

FOUNDATION PLAN NOTES:

1. REFER TO S1.1.1 FOR FOUNDATION PLAN NOTES.

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
PAMELA J. BULLIVANT
Lic. No. 0402043907
01/24/2021
PROFESSIONAL ENGINEER

KEY PLAN

NEW PRINCE GEORGE ELEMETARY SCHOOL

DoE PROJECT # 074-38-00-100
PRINCE GEORGE COUNTY PUBLIC SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: JAN 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

FOUNDATION PLAN - PART B

S1.1.2

2/3/2021 3:17:11 PM

FOUNDATION PLAN - PART C

1/8" = 1'-0"

FOUNDATION PLAN NOTES:

1. REFER TO S1.1.1 FOR FOUNDATION PLAN NOTES.

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
PAMELA J. BULLIVANT
Lic. No. 0402043907
01/24/2021
PROFESSIONAL ENGINEER

KEY PLAN

NEW PRINCE GEORGE ELEMETARY SCHOOL

DoE PROJECT # 074-38-00-100
PRINCE GEORGE COUNTY PUBLIC SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: JAN 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

FOUNDATION PLAN - PART C

S1.1.3

2/2/2021 5:01:36 PM

DUMPSTER ENCLOSURE FOUNDATION PLAN

1/8" = 1'-0"

FOUNDATION PLAN NOTES:

1. REFER TO S1.1.1 FOR FOUNDATION PLAN NOTES.

FOUNDATION PLAN - MECHANICAL YARD AND STORAGE BLDG

1/8" = 1'-0"

FOUNDATION PLAN NOTES:

1. REFER TO S1.1.1 FOR FOUNDATION PLAN NOTES.

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
PAMELA J. BULLIVANT
Lic. No. 0402043907
01/24/2021
PROFESSIONAL ENGINEER

KEY PLAN

NEW PRINCE GEORGE ELEMETARY SCHOOL

DoE PROJECT # 074-38-00-100
PRINCE GEORGE COUNTY PUBLIC SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: JAN 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

FOUNDATION PLAN - MECHANICAL YARD AND STORAGE BLDG

S1.1.4

2/2/2021 5:01:40 PM

SECOND FLOOR AND LOW ROOF FRAMING PLAN - PART B

1/8" = 1'-0"

FLOOR FRAMING PLAN NOTES:

1. REFER TO S2.1.1 FOR FLOOR FRAMING PLAN NOTES.
2. REFER TO S0.01 FOR GENERAL NOTES.
3. SIZE LINTEL TO ACCOMMODATE ELEVATOR DOOR AND CONTROL PANEL.

LOW ROOF FRAMING PLAN NOTES

1. REFER TO S2.1.1 FOR LOW ROOF FRAMING PLAN NOTES.
2. REFER TO S0.0.1 FOR GENERAL NOTES.

TYP POST SLEEVE - ALTERNATE 1

NO SCALE

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
PAMELA J. BULLIVANT
Lic. No. 0402043907
01/24/2021
PROFESSIONAL ENGINEER

KEY PLAN

NEW PRINCE GEORGE ELEMETARY SCHOOL

DoE PROJECT # 074-38-00-100
PRINCE GEORGE COUNTY PUBLIC SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: JAN 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

SECOND FLOOR AND LOW ROOF FRAMING PLAN - PART B

S2.1.2

2/3/2021 3:07:43 PM

ROOF FRAMING PLAN - MECHANICAL YARD - PART D

1/8" = 1'-0"

SECOND FLOOR FRAMING PLAN - PART C

1/8" = 1'-0"

FLOOR FRAMING PLAN NOTES:

1. REFER TO S2.1.1 FOR FLOOR FRAMING PLAN NOTES.
2. REFER TO S0.01 FOR GENERAL NOTES.
3. SIZE LINTEL TO ACCOMMODATE ELEVATOR DOOR AND CONTROL PANEL.

LOW ROOF FRAMING PLAN NOTES:

1. REFER TO S2.1.1 FOR LOW ROOF FRAMING PLAN NOTES.
2. REFER TO S0.0.1 FOR GENERAL NOTES.

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
PAMELA J. BULLIVANT
Lic. No. 0402043907
01/24/2021
PROFESSIONAL ENGINEER

KEY PLAN

NEW PRINCE GEORGE ELEMETARY SCHOOL

DoE PROJECT # 074-38-00-100
PRINCE GEORGE COUNTY PUBLIC SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: JAN 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

SECOND FLOOR AND LOW ROOF FRAMING PLAN - PART C

S2.1.3

2/2/2021 5:01:57 PM

ROOF FRAMING PLAN - PART A

1/8" = 1'-0"

ROOF FRAMING PLAN NOTES:

1. TOP OF STEEL BEAMS INDICATED THUS (+X'-X") ON PLAN SHALL BE REFERENCED FROM FINISHED FIRST FLOOR ELEVATION.
2. STEEL ROOF DECK SHALL BE 1 1/2" WIDE RIB ROOF DECK.(DECK TYPE 1), UNO. REFER TO STEEL DECK SCHEDULE ON DRAWING S0.0.1 FOR DECK TYPES INDICATED ON PLAN. REFER TO FRAMING PLAN AND ARCHITECTURAL AND STRUCTURAL SECTIONS FOR EXTENT OF DECK TYPES.
3. ALL BEAMS AND JOISTS ARE EQUALLY SPACED BETWEEN COLUMN GRIDLINES, UNO.
4. REFER TO DRAWING S0.0.1 FOR GENERAL NOTES, PLAN LEGEND, AND STRUCTURAL ABBREVIATIONS.
5. REFER TO DRAWINGS S4.0.1 AND S4.0.2 FOR TYPICAL FRAMING DETAILS AND SCHEDULES.

MECHANICAL ROOM FLOOR FRAMING PLAN NOTES:

1. TOP OF SECOND FLOOR SLAB (+30'-8") RELATIVE TO FINISHED FIRST FLOOR.
2. TOP OF STEEL BEAMS SHALL BE (-0'-6") RELATIVE TO FINISHED SECOND FLOOR, UNO.
3. TOP OF STEEL BEAMS INDICATED THUS (+X'-X") ON PLAN SHALL BE REFERENCED FROM FINISHED FIRST FLOOR ELEVATION.
4. FLOOR CONSTRUCTION SHALL BE 4 1/2" NORMAL WEIGHT CONCRETE SLAB ON 1 1/2" COMPOSITE FLOOR DECK (DECK TYPE 3), (6" TOTAL SLAB THICKNESS). REINFORCE SLAB WITH6x6-W2.9xW2.9 WWF AT MID-DEPTH. REFER TO DRAWING S0.0.1 FOR STEEL DECK SCHEDULE.
5. PLACE CONCRETE MONOLITHICALLY ON STEEL FLOOR DECK. CONSTRUCTION JOINTS MAY BE PERMITTED ONLY AFTER APPROVAL OF THE ARCHITECT / STRUCTURAL ENGINEER.
6. CONCRETE THICKNESS INDICATED ON FLOOR DECK IS A MINIMUM THICKNESS AND MAY INCREASE TO MAINTAIN A LEVEL SURFACE AS FLOOR FRAMING DEFLECTS DURING CONCRETE PLACEMENT.
7. ALL FLOOR BEAMS SHALL RECEIVE 3/4" DIAMETER x 5" LONG HEADED SHEAR STUDS, UNO. ALL BEAMS NOTED [NC] SHALL BE NON-COMPOSITE (SHEAR STUDS NOT REQUIRED).

MECHANICAL ROOM FLOOR FRAMING PLAN NOTES CONTINUED:

8. COMPOSITE BEAMS ARE DESIGNED UNSHORED.
9. ALL BEAMS ARE EQUALLY SPACED BETWEEN COLUMN GRIDLINES, UNO.
10. REFER TO DRAWING S0.0.1 FOR GENERAL NOTES, PLAN LEGEND, AND STRUCTURAL ABBREVIATIONS.
11. REFER TO DRAWINGS S4.0.1 AND S4.0.2 FOR TYPICAL FRAMING DETAILS AND SCHEDULES.

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
PAMELA J. BULLIVANT
Lic. No. 0402043907
01/24/2021
PROFESSIONAL ENGINEER

KEY PLAN

NEW PRINCE GEORGE ELEMETARY SCHOOL

DoE PROJECT # 074-38-00-100
PRINCE GEORGE COUNTY PUBLIC SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: JAN. 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

ROOF FRAMING PLAN - PART A

S2.2.1

2/2/2021 5:02:00 PM

ROOF FRAMING PLAN - PART B

1/8" = 1'-0"

ROOF FRAMING PLAN NOTES:

1. REFER TO S2.2.1 FOR ROOF FRAMING PLAN NOTES
2. SIZE LINTEL TO ACCOMMODATE ELEVATOR DOOR AND CONTROL PANEL
3. GYM AND COMMONS S2 DLH JOIST DL DOES NOT INCLUDE JOIST WEIGHT

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
PAMELA J. BULLIVANT
Lic. No. 0402043907
01/24/2021
PROFESSIONAL ENGINEER

KEY PLAN

NEW PRINCE GEORGE ELEMETARY SCHOOL

DoE PROJECT # 074-38-00-100
PRINCE GEORGE COUNTY PUBLIC SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: JAN 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

ROOF FRAMING PLAN - PART B

S2.2.2

2/2/2021 5:02:03 PM

ROOF FRAMING PLAN - PART C

1/8" = 1'-0"

ROOF FRAMING PLAN NOTES:

1. REFER TO S2.2.1 FOR ROOF FRAMING PLAN NOTES
2. GYM AND COMMONS S2 DLH JOIST DL DOES NOT INCLUDE JOIST WEIGHT

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
PAMELA J. BULLIVANT
Lic. No. 0402043907
01/24/2021
PROFESSIONAL ENGINEER

KEY PLAN

NEW PRINCE GEORGE ELEMETARY SCHOOL

DoE PROJECT # 074-38-00-100
PRINCE GEORGE COUNTY PUBLIC SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: JAN 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

ROOF FRAMING PLAN - PART C

S2.2.3

2/2/2021 5:02:06 PM

HIGH ROOF - PART A

1/8" = 1'-0"

HIGH ROOF FRAMING PLAN NOTES:

1. TOP OF STEEL BEAMS INDICATED THUS (+X'-X") ON PLAN SHALL BE REFERENCED FROM FINISHED FIRST FLOOR ELEVATION.
2. STEEL ROOF DECK SHALL BE 1 1/2" WIDE RIB ROOF DECK (DECK TYPE 1), UNO. REFER TO STEEL DECK SCHEDULE ON DRAWING S0.0.1 FOR DECK TYPES INDICATED ON PLAN. REFER TO FRAMING PLAN AND ARCHITECTURAL AND STRUCTURAL SECTIONS FOR EXTENT OF DECK TYPES.
3. ALL BEAMS AND JOISTS ARE EQUALLY SPACED BETWEEN COLUMN GRIDLINES, UNO.
4. REFER TO DRAWING S0.0.1 FOR GENERAL NOTES, PLAN LEGEND, AND STRUCTURAL ABBREVIATIONS.
5. REFER TO DRAWINGS S4.0.1 AND S4.0.2 FOR TYPICAL FRAMING DETAILS AND SCHEDULES.

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
PAMELA J. BULLIVANT
Lic. No. 0402043907
01/24/2021
PROFESSIONAL ENGINEER

KEY PLAN

NEW PRINCE GEORGE ELEMETARY SCHOOL

DoE PROJECT # 074-38-00-100
PRINCE GEORGE COUNTY PUBLIC SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: JAN 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

HIGH ROOF FRAMING PLAN - PART A

S2.3.1

2/2/2021 5:02:09 PM

HIGH ROOF - PART C

1/8" = 1'-0"

HIGH ROOF FRAMING PLAN NOTES:

1. REFER TO S2.3.2 FOR ROOF FRAMING PLAN NOTES

MOSELEYARCHITECTS

3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
PAMELA J. BULLIVANT
Lic. No. 0402043907
01/24/2021
PROFESSIONAL ENGINEER

KEY PLAN

NEW PRINCE GEORGE ELEMETARY SCHOOL

DoE PROJECT # 074-38-00-100
PRINCE GEORGE COUNTY PUBLIC SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: JAN 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

HIGH ROOF FRAMING PLAN - PART C

S2.3.2

2/2/2021 5:02:11 PM

FOOTING STEP

FOOTING SLEEVE

PIPE TRENCH BACKFILL AT FOOTING
(PIPE PLACED PRIOR TO FOOTING)

CONSTRUCTION JOINT

PLAN AT CORNER

PLAN AT INTERSECTION

WALL FOOTING DETAILS

NO SCALE

TRENCH LOCATION DETAIL

NO SCALE

5 S1.1.1 S3.0.1 **ENLARGED PLAN VIEW**
3/4" = 1'-0"

6 S1.1.1 S3.0.1 **ENLARGED PLAN VIEW**
3/4" = 1'-0"

7 S1.1.1 S3.0.1 **ENLARGED PLAN VIEW**
3/4" = 1'-0"

8 S1.1.1 S3.0.1 **ENLARGED PLAN VIEW**
3/4" = 1'-0"

WALL FOOTING SCHEDULE

MARK	WIDTH	THICKNESS	REINFORCING (BOT, UNO) LONGITUDINAL	REINFORCING (BOT, UNO) TRANSVERSE
WF2.0	2' - 0"	1' - 4"	(3) #5 CONT	#5 @ 48" OC
WF2.5	2' - 6"	1' - 4"	(3) #5 CONT	#5 @ 48" OC
WF3.0	3' - 0"	1' - 4"	(4) #5 CONT	#5 @ 32" OC
WF3.5	3' - 6"	1' - 4"	(4) #5 CONT	#5 @ 32" OC
WF4.0	4' - 0"	1' - 4"	#5 @ 12" OC	#5 @ 12" OC
WF5.0	5' - 0"	1' - 4"	#5 @ 12" OC	#5 @ 12" OC

*AD 01

WITH BOT REINFORCING

WITH TOP & BOT REINFORCING

WALL FOOTING DETAILS

NO SCALE

(12) BARS

(8) BARS

CONCRETE PIER SCHEDULE

MARK	SIZE LENGTH	SIZE WIDTH	REINFORCING VERTICAL	REINFORCING TIES
P-1	2' - 0"	2' - 0"	(8) #6 DOWELS	#4 @ 12" OC
P-2	2' - 6"	2' - 6"	(12) #6 DOWELS	#4 @ 12" OC

SPREAD FOOTING SCHEDULE

*AD 01

MARK	SIZE LENGTH	SIZE WIDTH	SIZE THICKNESS	REINFORCING
3.0	3' - 0"	3' - 0"	1' - 4"	(4) #5 EA WAY BOT
3.5	3' - 6"	3' - 6"	3' - 6"	(4) #5 EA WAY BOT
4.0	4' - 0"	4' - 0"	1' - 4"	(4) #5 EA WAY BOT
4.0x6.0	6' - 0"	4' - 0"	2' - 6"	#5 @ 10" OC EW BOT
4.5	4' - 6"	4' - 6"	1' - 4"	(4) #5 EA WAY BOT
5.0	5' - 0"	5' - 0"	1' - 4"	(5) #5 EA WAY BOT
5.5	5' - 6"	5' - 6"	1' - 4"	(6) #5 EA WAY BOT
6.0	6' - 0"	6' - 0"	1' - 4"	(7) #5 EA WAY BOT
6.5	6' - 6"	6' - 6"	1' - 4"	(6) #6 EA WAY BOT
7.0	7' - 0"	7' - 0"	1' - 4"	(6) #6 EA WAY BOT
7.5	7' - 6"	7' - 6"	1' - 4"	(7) #6 EA WAY BOT
8.0	8' - 0"	8' - 0"	1' - 4"	(9) #6 EA WAY BOT
8.5	8' - 6"	8' - 6"	1' - 6"	(10) #6 EA WAY BOT
9.0	9' - 0"	9' - 0"	1' - 6"	(10) #6 EA WAY BOT
9.5	9' - 6"	9' - 6"	1' - 8"	(11) #6 EA WAY BOT
10.0	10' - 0"	10' - 0"	1' - 8"	(9) #7 EA WAY BOT
10.5	10' - 6"	10' - 6"	1' - 10"	(10) #7 EA WAY BOT
11.0	11' - 0"	11' - 0"	1' - 10"	(11) #7 EA WAY BOT

*** INDICATES FOUNDATIONS REQUIRING TOP MAT OF REINFORCING MATCHING THE BOT MAT

STEEL COLUMN FOOTING DETAILS

NO SCALE

1 S1.1.1 S3.0.1 **SPECIAL BASEPLATE 1**
3/4" = 1'-0"

2 S1.1.1 S3.0.1 **SPECIAL BASEPLATE 2**
3/4" = 1'-0"

3 S1.1.3 S3.0.1 **SPECIAL BASEPLATE 3**
3/4" = 1'-0"

4 S1.1.3 S3.0.1 **SPECIAL BASEPLATE 4**
3/4" = 1'-0"

LAP SPLICES SHALL BE IN ACCORDANCE WITH ACI 318 CHAPTER 25 AS INDICATED BELOW. TOP BAR LAPS (HORIZONTAL BARS WITH MORE THAN 12" OF CONCRETE CAST BELOW THE BAR) SHALL BE MODIFIED BY A MULTIPLICATION OF 1.3 TIMES THE LENGTHS LISTED IN THE TABLE BELOW. LENGTHS INDICATED IN INCHES.

NORMAL-WEIGHT (145 PCF)

f'c (psi)	LAP CLASS	#3	#4	#5	#6	#7	#8	#9
3000	A	16	22	27	33	48	55	62
	B	21	28	36	43	62	71	80
3500	A	15	20	25	30	44	51	57
	B	20	26	33	40	58	66	74
4000	A	14	19	24	28	42	47	53
	B	18	25	31	37	54	62	69
5000	A	13	17	21	25	37	42	48
	B	17	22	28	33	48	55	62

LIGHTWEIGHT (110 PCF)

f'c (psi)	LAP CLASS	#3	#4	#5	#6	#7	#8	#9
3000	A	22	29	37	44	64	73	82
	B	28	38	47	57	83	95	107
3500	A	20	27	34	41	59	68	76
	B	26	35	44	53	77	88	99
4000	A	19	25	32	38	55	63	71
	B	25	33	41	49	72	82	92
5000	A	17	23	28	34	49	57	64
	B	22	29	37	44	64	74	83

ACI318 LAP LENGTHS

COLUMN BASE PLATE SCHEDULE

MARK	BASE PLATE SIZE L	BASE PLATE SIZE W	BASE PLATE SIZE T	HEADED ANCHOR RODS SIZE	HEADED ANCHOR RODS EMBED	HEADED ANCHOR RODS GAGE
BP-A	1' - 2"	1' - 2"	3/4"	(4) 3/4" DIAM	9"	11"
BP-B	1' - 2"	1' - 2"	1"	(4) 3/4" DIAM	12"	11"
BP-C	1' - 4"	1' - 4"	1"	(8) 1" DIAM	12"	6.5"x13"

*AD 01

FB INDICATES FIXED BASE

FIXED BASE (HSS)

STANDARD BASE

BP-A, B

BP-C

COLUMN BASE PLATE DETAILS

NO SCALE

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
PAMELA J. BULLIVANT
Lic. No. 0402043907
01/24/2021
PROFESSIONAL ENGINEER

NEW PRINCE GEORGE ELEMETARY SCHOOL

DoE PROJECT # 074-38-00-100
PRINCE GEORGE COUNTY PUBLIC SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: JAN 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

TYPICAL FOUNDATION DETAILS

S3.0.1

2/2/2021 5:02:16 PM

15 SECTION S2.1.3 | S4.2.3 — 3/4" = 1'-0"

17 SECTION S2.1.1 | S4.2.3 — 3/4" = 1'-0"
S2.1.3

14 SECTION S2.1.3 | S4.2.3 — 3/4" = 1'-0"

16 SECTION S2.1.3 | S4.2.3 — 3/4" = 1'-0"

13 SECTION S2.1.3 | S4.2.3 — 3/4" = 1'-0"

11 SECTION S2.1.2 | S4.2.3 — 3/4" = 1'-0"

10 SECTION S2.1.1 | S4.2.3 — 3/4" = 1'-0"

9 SECTION S2.1.1 | S4.2.3 — 3/4" = 1'-0"

7 SECTION S2.1.1 | S4.2.3 — 3/4" = 1'-0"

4 SECTION S2.1.3 | S4.2.3 — 3/4" = 1'-0"

6 SECTION S2.1.3 | S4.2.3 — 3/4" = 1'-0"

3 SECTION S2.1.2 | S4.2.3 — 3/4" = 1'-0"

2 SECTION S2.2.1 | S4.2.3 — 3/4" = 1'-0"

12 SECTION S2.1.1 | S4.2.3 — 3/4" = 1'-0"
S2.1.3

8 SECTION S2.1.1 | S4.2.3 — 3/4" = 1'-0"

5 SECTION S2.2.1 | S4.2.3 — 3/4" = 1'-0"

1 SECTION S2.2.1 | S4.2.3 — 3/4" = 1'-0"

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
PAMELA J. BULLIVANT
Lic. No. 0402043907
01/24/2021
PROFESSIONAL ENGINEER

NEW PRINCE GEORGE ELEMETARY SCHOOL

DoE PROJECT # 074-38-00-100
PRINCE GEORGE COUNTY PUBLIC SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: JAN 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

FRAMING SECTIONS

S4.2.3

2/2/2021 5:02:21 PM

19 SECTION S2.2.2 S4.2.4 3/4" = 1'-0"

18 SECTION S2.2.2 S4.2.4 3/4" = 1'-0"

17 SECTION S2.2.1 S4.2.4 3/4" = 1'-0"

15 SECTION S2.2.1 S4.2.4 3/4" = 1'-0"

14 SECTION S2.2.2 S4.2.4 3/4" = 1'-0"

13 SECTION S2.2.2 S4.2.4 3/4" = 1'-0"

12 SECTION S2.2.2 S4.2.4 3/4" = 1'-0"

16 SECTION S2.2.1 S4.2.4 3/4" = 1'-0"

11 SECTION S2.2.2 S4.2.4 3/4" = 1'-0"

10 SECTION S2.2.2 S4.2.4 3/4" = 1'-0"

9 SECTION S2.2.2 S4.2.4 3/4" = 1'-0"

8 SECTION S2.2.3 S4.2.4 3/4" = 1'-0"

7 SECTION S2.2.3 S4.2.4 3/4" = 1'-0"

6 SECTION S2.2.3 S4.2.4 3/4" = 1'-0"

5 SECTION S2.1.2 S4.2.4 3/4" = 1'-0"

4 SECTION S2.1.1 S4.2.4 S2.1.2 3/4" = 1'-0"

3 SECTION S2.1.2 S4.2.4 3/4" = 1'-0"

2 SECTION S2.1.2 S4.2.4 3/4" = 1'-0"

1 SECTION S2.1.2 S4.2.4 3/4" = 1'-0"

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
PAMELA J. BULLIVANT
Lic. No. 0402043907
01/24/2021
PROFESSIONAL ENGINEER

NEW PRINCE GEORGE ELEMETARY SCHOOL

DoE PROJECT # 074-38-00-100
PRINCE GEORGE COUNTY PUBLIC SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: JAN 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

FRAMING SECTIONS

S4.2.4

2/3/2021 3:07:50 PM

18 SECTION S2.1.2 | S4.2.5 — 3/4" = 1'-0"

15 SECTION S2.2.3 | S4.2.5 — 3/4" = 1'-0"

12 SECTION S2.3.1 | S4.2.5 — 3/4" = 1'-0"

8 SECTION S2.3.1 | S4.2.5 — 3/4" = 1'-0"

4 SECTION S2.2.2 | S4.2.5 — 3/4" = 1'-0"

14 SECTION S2.2.1 | S4.2.5 — 3/4" = 1'-0"

11 SECTION S2.1.1 | S4.2.5 — 3/4" = 1'-0"

7 SECTION S2.3.1 | S4.2.5 — 3/4" = 1'-0"

3 SECTION S2.2.1 | S4.2.5 — 3/4" = 1'-0"

17 SECTION S2.1.2 | S4.2.5 — 3/4" = 1'-0"

13 SECTION S2.1.1 | S4.2.5 — 3/4" = 1'-0"

10 SECTION S2.3.1 | S4.2.5 — 3/4" = 1'-0"

6 SECTION S2.3.1 | S4.2.5 — 3/4" = 1'-0"

2 SECTION S2.2.2 | S4.2.5 — 3/4" = 1'-0"

16 SECTION S2.3.2 | S4.2.5 — 3/4" = 1'-0"

9 SECTION S2.2.1 | S4.2.5 — 3/4" = 1'-0"

5 SECTION S2.2.1 | S4.2.5 — 3/4" = 1'-0"

1 SECTION S2.2.2 | S4.2.5 — 3/4" = 1'-0"

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
PAMELA J. BULLIVANT
Lic. No. 0402043907
01/24/2021
PROFESSIONAL ENGINEER

NEW PRINCE GEORGE ELEMETARY SCHOOL

DoE PROJECT # 074-38-00-100
PRINCE GEORGE COUNTY PUBLIC SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: JAN 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

FRAMING SECTIONS

S4.2.5

2/3/2021 3:07:54 PM

N

FOUNDATION PLAN - PLUMBING - AREA B

1/8" = 1'-0"

0' 2' 4' 8' 16'
1/8" = 1'-0"

2/2/2021 5:29:19 PM

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
DAVID T. WHATELY
Lic. No. 052209
01-24-2021
PROFESSIONAL ENGINEER

KEY PLAN

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT#: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: January 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

FOUNDATION PLAN - PLUMBING - PART B

P2.0.B

N

FIRST FLOOR PLAN - SANITARY - AREA B

1/8" = 1'-0"

0' 2' 4' 8' 16'
1/8" = 1'-0"

2/2/2021 5:29:24 PM

MOSELEYARCHITECTS

3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
DAVID T. WHATELY
Lic. No. 052209
01-24-2021
PROFESSIONAL ENGINEER

N
KEY PLAN

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT#: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: January 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

FIRST FLOOR PLAN - SANITARY - PART B

P2.1.B

N

FIRST FLOOR PLAN - DOMESTIC - AREA B

1/8" = 1'-0"

MOSELEYARCHITECTS

3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5590
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
DAVID T. WHATELY
Lic. No. 052209
01-24-2021
PROFESSIONAL ENGINEER

KEY PLAN

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT#: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: January 24, 2021

REVISIONS	
DATE	DESCRIPTION
02/03/21	*AD 01

FIRST FLOOR PLAN - DOMESTIC - PART B

0' 2' 4' 8' 16'
1/8" = 1'-0"

P2.2.B

2/2/2021 5:29:29 PM

N

SECOND FLOOR PLAN - SANITARY - AREA B

1/8" = 1'-0"

0' 2' 4' 8' 16'
1/8" = 1'-0"

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5590
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
DAVID T. WHATELY
Lic. No. 052209
01-24-2021
PROFESSIONAL ENGINEER

N
KEY PLAN

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT#: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: January 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

SECOND FLOOR PLAN - SANITARY - PART B

P2.3.B

2/2/2021 5:29:32 PM

N

SECOND FLOOR PLAN - DOMESTIC - AREA B

1/8" = 1'-0"

0' 2' 4' 8' 16'
1/8" = 1'-0"

2/2/2021 5:29:34 PM

MOSELEYARCHITECTS

3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5590
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
DAVID T. WHATELY
Lic. No. 052209
01-24-2021
PROFESSIONAL ENGINEER

N
KEY PLAN

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT#: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: January 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

SECOND FLOOR PLAN - DOMESTIC - PART B

P2.4.B

N

ROOF PLAN - PLUMBING - AREA B

1/8" = 1'-0"

0' 2' 4' 8' 16'
1/8" = 1'-0"

MOSELEYARCHITECTS

3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5590
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
DAVID T. WHATELY
Lic. No. 052209
01-24-2021
PROFESSIONAL ENGINEER

KEY PLAN

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT#: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: January 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

ROOF PLAN - PLUMBING - PART B

P2.5.B

2/2/2021 5:29:37 PM

ROOF PLAN - STORAGE BUILDING
1/8" = 1'-0"

ROOF PLAN - PLUMBING - AREA C
1/8" = 1'-0"

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5590
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
DAVID T. WHATELY
Lic. No. 052209
01-24-2021
PROFESSIONAL ENGINEER

KEY PLAN

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT#: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 Romans Road, Prince George, VA 23875

PROJECT NO: 592926
DATE: January 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

ROOF PLAN - PLUMBING - PART C

0' 2' 4' 8' 16'
1/8" = 1'-0"

P2.5.C

2/2/2021 5:29:41 PM

MAKE-UP UNIT SCHEDULE

TAG	MANUFACTURER	MODEL	SERVING	AIR FLOW (CFM)	MINIMUM AIR FLOW (CFM)	FAN SPEED (RPM)	MOTOR (HP)	ESP (IN WC)	DRIVE TYPE	SONES	HEATER DATA EAT (°F)	HEATER DATA LAT (°F)	HEATER DATA OUTPUT (kW)	ELECTRICAL DATA MOTOR CIRCUIT FLA (A)	MOTOR CIRCUIT MCA (A)	MOTOR CIRCUIT MOCP (A)	HEATER CIRCUIT FLA (A)	HEATER CIRCUIT MCA (A)	HEATER CIRCUIT MOCP (A)	SERVICE (V)	SERVICE (PH)	SERVICE (HZ)	CONTROLLED BY	WEIGHT (LBS)	NOTES
MAU-1	CAPTIVEAIRE	A2-E.734-20D	KITCHEN HOOD MAKEUP	4500	2000	1515	3	0.40	DIRECT	14.8	15	60	63	4.0	5	15	88	110	125	480	3	60	KITCHEN HOOD INTERLOCK	697	1, 2

NOTES:
1. PROVIDE VFD FOR VARIABLE AIR VOLUME OPERATION.
2. PROVIDE WITH FACTORY DISCONNECT BY DIV 23.

*AD 01

FAN SCHEDULE

TAG	MANUFACTURER	MODEL NUMBER	SERVING	TYPE	AIRFLOW (CFM)	ESP (IN WC)	FAN WHEEL (RPM)	DRIVE TYPE	SONES	CONTROL METHOD	ELECTRICAL DATA MOTOR (HP)	SERVICE (V)	SERVICE (PH)	SERVICE (HZ)	WEIGHT (LBS)	NOTES
F-1	CAPTIVEAIRE	DU240HFA	KITCHEN HOOD GREASE EXHAUST	CENTRIFUGAL ROOF UPBLAST	5624	1.30	956	DIRECT	18.9	INTERLOCK WITH HOOD OPERATION	5	480	3	60	301	5
F-2	GREENHECK	CUE-101-VG	DISHWASHER EXHAUST	CENTRIFUGAL ROOF UPBLAST	1000	0.40	1481	DIRECT	9.5	INTERLOCK WITH DISHWASHER OPERATION	1/4	120	1	60	66	2, 4
F-3	GREENHECK	G-85-VG	KITCHEN EXHAUST	ROOF MTD. CENTRIFUGAL	450	0.40	1684	DIRECT	8.4	BAS SCHEDULE	1/10	120	1	60	43	2, 4
F-4	GREENHECK	G-90-D	ELEC C127 & C128	ROOF MTD. CENTRIFUGAL	500	0.30	1390	DIRECT	8.4	LINE VOLTAGE T-STAT	1/4	120	1	60	43	1, 4
F-5	GREENHECK	G-90-D	MECH C129	ROOF MTD. CENTRIFUGAL	500	0.30	1390	DIRECT	8.4	LINE VOLTAGE T-STAT	1/4	120	1	60	43	1, 4
F-6	GREENHECK	SQ-120-VG	OUTDOOR STORAGE B109C	INLINE CENTRIFUGAL	520	0.30	803	DIRECT	2.5	LINE VOLTAGE T-STAT	1/2	277	1	60	44	1, 4
F-7	GREENHECK	SQ-140-VG	AHU-1 RECLAIMED EXHAUST	INLINE CENTRIFUGAL	1950	0.75	1363	DIRECT	12.3	BAS SCHEDULE	3/4	120	1	60	90	2, 3, 4
F-8	GREENHECK	SQ-100-VG	AHU-2 RECLAIMED EXHAUST	INLINE CENTRIFUGAL	725	0.50	1291	DIRECT	6.6	BAS SCHEDULE	1/4	120	1	60	56	2, 3, 4
F-9	GREENHECK	SQ-140-VG	AHU-3 RECLAIMED EXHAUST	INLINE CENTRIFUGAL	1675	0.75	1297	DIRECT	11.4	BAS SCHEDULE	3/4	120	1	60	90	2, 3, 4
F-10	GREENHECK	G-143-VG	ART EXHAUST	ROOF MTD. CENTRIFUGAL	1525	0.40	1036	DIRECT	8.3	BAS SCHEDULE	1/2	120	1	60	43	2, 4
F-11	GREENHECK	G-70-VG	KILN EXHAUST	ROOF MTD. CENTRIFUGAL	200	0.30	1451	DIRECT	3.7	WALL SWITCH	1/15	120	1	60	43	1, 2
F-12	GREENHECK	G-70-VG	ELEC C119	ROOF MTD. CENTRIFUGAL	200	0.40	1609	DIRECT	4.8	LINE VOLTAGE T-STAT	1/15	120	1	60	43	1, 2, 4
F-13	GREENHECK	G-70-VG	ELEC C216	ROOF MTD. CENTRIFUGAL	200	0.30	1451	DIRECT	3.7	LINE VOLTAGE T-STAT	1/15	120	1	60	43	1, 2, 4
F-14	GREENHECK	G-70-VG	ELEC B117	ROOF MTD. CENTRIFUGAL	200	0.40	1609	DIRECT	4.8	LINE VOLTAGE T-STAT	1/15	120	1	60	43	1, 2, 4
F-15	GREENHECK	G-70-VG	ELEC A124	ROOF MTD. CENTRIFUGAL	200	0.40	1609	DIRECT	4.8	LINE VOLTAGE T-STAT	1/15	120	1	60	43	1, 2, 4
F-16	GREENHECK	G-70-VG	ELEVATOR HOISTWAY	ROOF MTD. CENTRIFUGAL	100	0.50	1451	DIRECT	3.7	24/7 OPERATION, BAS MONITORING	1/15	120	1	60	43	1, 2, 4
F-17	GREENHECK	G-70-VG	ELEC A214	ROOF MTD. CENTRIFUGAL	200	0.30	1451	DIRECT	3.7	LINE VOLTAGE T-STAT	1/15	120	1	60	43	1, 2, 4
F-18	GREENHECK	G-90-VG	CLINIC EXHAUST	ROOF MTD. CENTRIFUGAL	375	0.40	1333	DIRECT	5.8	BAS SCHEDULE	1/10	120	1	60	43	1, 2, 4
F-19	GREENHECK	G-90-VG	ADMIN EXHAUST	ROOF MTD. CENTRIFUGAL	375	0.40	1333	DIRECT	5.8	BAS SCHEDULE	1/10	120	1	60	43	1, 2, 4

GENERAL NOTES:
A. PROVIDE FACTORY DISCONNECT BY DIV 23.

NOTES:
1. PROVIDE MOTORIED BACKDRAFT DAMPER & HARDWIRED INTERLOCK W/ FAN OPERATION.
2. PROVIDE ECM VARIABLE SPEED MOTOR FOR SPEED CONTROL.
3. PROVIDE SIDE DISCHARGE INLINE FAN, REFER TO FLOOR PLAN ORIENTATION.
4. PROVIDE BACKDRAFT DAMPER AT FAN OUTLET.
5. PROVIDE UL-762 COMPLIANT FAN, GREASE FAN.

FAN POWERED TERMINAL UNIT SCHEDULE

TAG	MANUFACTURER	MODEL NUMBER	AIR VALVE INLET DIAMETER (IN)	AIR VALVE MAXIMUM AIR FLOW (CFM)	AIR VALVE MINIMUM AIR FLOW (CFM)	AIR VALVE APD AT MAXIMUM AIR FLOW (IN WC)	FAN FAN SIZE	FAN MOTOR (HP)	FAN AIRFLOW (CFM)	FAN ESP (IN WC)	COIL DESIGN AIRFLOW (CFM)	COIL CAPACITY (KW)	COIL EAT (°F)	COIL LAT (°F)	COIL STAGES (NO)	ELECTRICAL DATA FLA (A)	MCA (A)	MOCP (A)	SERVICE (V)	SERVICE (PH)	SERVICE (HZ)	WEIGHT (LBS)
TU1-13	TITUS	DTQP	8	550	160	0.50	02	1/4	390	0.25	550	5.0	65.6	94.3	2	8.4	9.1	15	480	3	60	120
TU1-14	TITUS	DTQP	8	900	265	0.50	03	1/4	635	0.25	900	9.0	65.6	97.1	2	13.2	16.3	20	480	3	60	112
TU1-26	TITUS	DTQP	6	420	130	0.50	02	1/6	290	0.25	420	3.0	65.4	87.8	2	6.0	15.2	20	277	1	60	120
TU1-27	TITUS	DTQP	10	1300	380	0.50	03	1/4	920	0.25	1300	12.0	65.6	94.7	2	17.9	20.8	25	480	3	60	113
TU2-10	TITUS	DTQP	8	750	225	0.50	02	1/4	525	0.25	760	7.0	65.6	94.6	2	10.8	12.1	15	480	3	60	120
TU2-12	TITUS	DTQP	12	1500	450	0.50	03	1/4	1050	0.25	1500	13.0	65.5	92.8	2	19.1	22.3	25	480	3	60	96
TU2-14	TITUS	DTQP	8	620	400	0.50	02	1/4	220	0.25	620	6.5	60.3	93.3	2	10.2	11.4	15	480	3	60	120
TU2-16	TITUS	DTQP	6	310	95	0.50	02	1/6	215	0.25	310	3.0	65.4	95.9	2	13.2	15.2	20	277	1	60	120
TU2-18	TITUS	DTQP	10	1200	760	0.50	03	1/4	440	0.25	1200	11.0	60.5	89.4	2	15.6	19.5	20	480	3	60	113
TU2-22	TITUS	DTQP	6	260	80	0.50	02	1/6	180	0.25	260	2.5	65.4	95.7	2	11.4	12.9	15	277	1	60	120
TU2-23	TITUS	DTQP	6	430	125	0.50	02	1/6	305	0.25	430	4.0	65.6	94.9	2	16.8	19.7	25	277	1	60	120
TU2-24	TITUS	DTQP	6	260	80	0.50	02	1/6	180	0.25	260	2.5	65.4	95.7	2	11.4	12.9	15	277	1	60	120
TU2-25	TITUS	DTQP	6	480	145	0.50	02	1/6	335	0.25	480	5.0	65.6	87.5	2	8.4	9.1	15	480	3	60	120
TU3-09	TITUS	DTQP	8	760	230	0.50	02	1/4	530	0.25	760	5.0	65.5	86.2	2	8.4	9.1	15	480	3	60	120
TU3-11	TITUS	DTQP	8	540	160	0.50	02	1/4	380	0.25	450	5.0	65.6	94.7	2	8.4	9.1	15	480	3	60	120
TU3-25	TITUS	DTQP	6	450	135	0.50	02	1/6	315	0.25	450	3.5	65.5	90.0	2	15.0	17.4	20	277	1	60	120
TU3-28	TITUS	DTQP	8	450	160	0.50	02	1/4	290	0.25	600	5.0	66.0	92.2	2	8.4	9.1	15	480	3	60	120

GENERAL NOTES:
A. DISCONNECT PROVIDED BY DIV 26.

TERMINAL UNIT SCHEDULE

TAG	MANUFACTURER	MODEL NUMBER	AIR VALVE INLET DIAMETER (IN)	AIR VALVE MAXIMUM AIRFLOW (CFM)	AIR VALVE MINIMUM AIRFLOW (CFM)	AIR VALVE APD AT MAX AIR FLOW (IN-WC)	COIL DESIGN AIRFLOW (CFM)	COIL CAPACITY (KW)	COIL EAT (°F)	COIL LAT (°F)	COIL STAGES	ELECTRICAL DATA FLA (A)	MCA (A)	MOCP (A)	SERVICE (V)	SERVICE (PH)	SERVICE (HZ)	WEIGHT (LBS)
TU1-01	TITUS	DESV	5	320	105	0.50	180	2.5	55	90.4	2	9.0	11.3	15	277	1	60	38
TU1-02	TITUS	DESV	4	100	50	0.50	110	1.5	55	98.1	2	5.4	6.8	15	277	1	60	38
TU1-03	TITUS	DESV	8	540	445	0.50	445	4.5	55	86.5	2	16.2	20.3	25	277	1	60	38
TU1-04	TITUS	DESV	8	540	445	0.50	445	4.5	55	86.8	2	16.2	20.3	25	277	1	60	38
TU1-05	TITUS	DESV	8	560	445	0.50	445	4.5	55	86.8	2	16.2	20.3	25	277	1	60	38
TU1-06	TITUS	DESV	8	640	445	0.50	445	5.0	55	90.4	2	6.0	7.5	15	480	3	60	38
TU1-07	TITUS	DESV	7	580	445	0.50	445	4.5	55	86.8	2	16.2	20.3	25	277	1	60	38
TU1-08	TITUS	DESV	7	520	445	0.50	445	4.5	55	86.8	2	16.2	20.3	25	277	1	60	38
TU1-09	TITUS	DESV	8	540	445	0.50	445	4.5	55	86.8	2	16.2	20.3	25	277	1	60	38
TU1-10	TITUS	DESV	5	280	240	0.50	240	2.5	55	87.8	2	9.0	11.3	15	277	1	60	38
TU1-11	TITUS	DESV	5	290	230	0.50	230	2.5	55	89.2	2	9.0	11.3	15	277	1	60	38
TU1-12	TITUS	DESV	4	130	55	0.50	110	1.5	55	98.1	2	5.4	6.8	15	277	1	60	38
TU1-15	TITUS	DESV	8	540	450	0.50	450	4.5	55	86.5	2	16.2	20.3	25	277	1	60	38
TU1-16	TITUS	DESV	8	560	450	0.50	450	4.5	55	86.5	2	16.2	20.3	25	277	1	60	38
TU1-17	TITUS	DESV	8	560	450	0.50	450	4.5	55	86.5	2	16.2	20.3	25	277	1	60	38
TU1-18	TITUS	DESV	8	580	450	0.50	450	4.5	55	86.5	2	16.2	20.3	25	277	1	60	38
TU1-19	TITUS	DESV	8	660	450	0.50	450	5.0	55	90.0	2	6.0	7.5	15	480	3	60	38
TU1-20	TITUS	DESV	8	620	450	0.50	450	4.5	55	86.5	2	16.2	20.3	25	277	1	60	38
TU1-21	TITUS	DESV	8	560	450	0.50	450	4.5	55	86.5	2	16.2	20.3	25	277	1	60	38
TU1-22	TITUS	DESV	8	560	450	0.50	450	4.5	55	86.5	2	16.2	20.3	25	277	1	60	38
TU1-23	TITUS	DESV	5	320	240	0.50	240	2.5	55	87.8	2	9.0	11.3	15	277	1	60	38
TU1-24	TITUS	DESV	5	320	240	0.50	240	2.5	55	87.8	2	9.0	11.3	15	277	1	60	38
TU1-25	TITUS	DESV	4	135	55	0.50	100	1.0	55	86.5	2	3.6	4.5	15	277	1	60	38
TU1-28	TITUS	DESV	5	215	65	0.50	130	1.5	55	91.3	2	5.4	6.8	15	277	1	60	38
TU2-01	TITUS	DESV	8	520	470	0.50	470	4.5	55	85.1	2	16.2	20.3	25	277	1	60	38
TU2-02	TITUS	DESV	8	580	470	0.50	470	4.5	55	85.1	2	16.2	20.3	25	277	1	60	38
TU2-03	TITUS	DESV	8	580	470	0.50	470	4.5	55	85.1	2	16.2	20.3	25	277	1	60	38
TU2-04	TITUS	DESV	8	580	470	0.50	470	4.5	55	85.1	2	16.2	20.3	25	277	1	60	38
TU2-05	TITUS	DESV	8	760	470	0.50	470	6.0	55	95.2	2	7.2	9.0	15	480	3	60	38
TU2-06	TITUS	DESV	8	680	475	0.50	470	6.0	55	95.2	2	7.2	9.0	15	480	3	60	38
TU2-07	TITUS	DESV	8	600	470	0.50	470	5.0	55	88.5	2	6.0	7.5	15	480	3	60	38
TU2-08	TITUS	DESV	7	580	470	0.50	470	4.5	55	85.1	2	16.2	20.3	25	277	1	60	38
TU2-09	TITUS	DESV	7	540	470	0.50	470	4.5	55	85.1	2	16.2	20.3	25	277	1	60	38
TU2-11	TITUS	DESV	4	135	55	0.50	110	1.5	55	98.1	2	5.4	6.8	15	277	1	60	38
TU2-13	TITUS	DESV	10	900	900	0.50	900	9.0	55	86.5	2	10.8	13.5	15	480	3	60	38
TU2-15	TITUS	DESV	4	100	50	0.50	110	1.5	55	98.1	2	5.4	6.8	15	277	1	60	38
TU2-17	TITUS	DESV	8	540	505	0.50	505	5.0	55	86.2	2	6.0	7.5	15	480	3	60	38
TU2-19	TITUS	DESV	7	525	155	0.50	170	2.0	55	92.0	2	7.2	9.0	15	277	1	60	38
TU2-20	TITUS	DESV	4	150	65	0.50	110	1.5	55	98.1	2	5.4	6.8	15	277	1	60	38
TU2-21	TITUS	DESV	4	120	45	0.50	110	1.5	55	98.1	2	5.4	6.8	15	277	1	60	38
TU2-26	TITUS	DESV	4	120	45	0.50	110	1.5	55	98.1	2	5.4	6.8	15	277	1	60	38
TU3-01	TITUS	DESV	8	540	470	0.50	470	4.5	55	85.1	2	16.2	20.3	25	277	1	60	38
TU3-02	TITUS	DESV	8	580	470	0.50	470	4.5	55	85.1	2	16.2	20.3	25	277	1	60	38
TU3-03	TITUS	DESV	8	580	470	0.50	470	4.5	55	85.1	2	16.2	20.3	25	277	1	60	38
TU3-04	TITUS	DESV	8	660	470	0.50	470	5.5	55	91.8	2	6.6	8.3	15	480	3	60	38
TU3-05	TITUS	DESV	8	600	470	0.50	470	5.0	55	88.5	2	6.0	7.5	15	480	3	60	38
TU3-06	TITUS	DESV	8	580	470	0.50	470	4.5	55	85.1	2	16.2	20.3	25	277	1	60	38
TU3-07	TITUS	DESV	8	580	470	0.50	470	4.5	55	85.1	2	16.2	20.3	25	277	1	60	38
TU3-08	TITUS	DESV	5	320	80	0.50	125	1.5	55	92.8	2	5.4	6.8	15	277	1	60	38
TU3-10	TITUS	DESV	4	130	55	0.50	110	1.5	55	98.1	2	5.4	6.8	15	277	1	60	38
TU3-12	TITUS	DESV	8	520	445	0.50	445	4.5	55	86.8	2	16.2	20.3	25	277	1	60	38
TU3-13	TITUS	DESV	8	560	445	0.50	445	4.5	55	86.8	2	16.2	20.3	25	277	1	60	38
TU3-14	TITUS	DESV	8	560	445	0.50	445	4.5	55	86.8	2	16.2	20.3	25	277	1	60	38
TU3-15	TITUS	DESV	8	580	445	0.50	445	4.5	55	86.8	2	16.2	20.3	25	277	1	60	38
TU3-16	TITUS	DESV	8	680	445	0.50	445	5.0	55	90.4	2	6.0	7.5	15	480	3	60	38
TU3-17	TITUS	DESV	8	620	445	0.50	445	4.5	55	86.8	2	16.2	20.3	25	277	1	60	38
TU3-18	TITUS	DESV	8	560	445	0.50	445	4.5	55	86.8	2	16.2	20.3	25	277	1	60	38
TU3-19	TITUS	DESV	8	520	445	0.50	445	4.5	55	86.8	2	16.2	20.3	25	277	1	60	38
TU3-20	TITUS	DESV	8	560	445	0.50	445	4.5	55	86.8	2	16.2	20.3	25	277	1	60	38
TU3-21	TITUS	DESV	5	270	85	0.50	200	2.5	55	94.3	2	9.0	11.3	15	277	1	60	38
TU3-22	TITUS	DESV	8	620	445	0.50	445	5.5	55	93.9	2	6.6	8.3	15	480	3	60	38
TU3-23	TITUS	DESV	8	540	445	0.50	445	4.5	55	86.8	2	16.2	20.3	25	277	1	60	38
TU3-24	TITUS	DESV	8	540	445	0.50	445	4.5	55	86.8	2	16.2	20.3	25	277	1	60	38
TU3-26	TITUS	DESV	4	135	55	0.50	110	1.5	55	98.1	2	5.4	6.8	15	277	1	60	38
TU3-27	TITUS	DESV	6	400	145	0.50	170	2.0	55	92.0	2	7.2	9.0	15	277	1	60	38
TU3-29	TITUS	DESV	4	180	55	0.50	125	1.5	55	92.8	2	5.4	6.8	15	277	1	60	38
TU3-30	TITUS	DESV	5	270	85	0.50	200	2.5	55	94.3	2	9.0	11.3	15	277	1	60	38

GENERAL NOTES:
A. DISCONNECT PROVIDED BY DIV 26.

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
DAVID T. WHATELY
Lic. No. 052209
PROFESSIONAL ENGINEER

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT #: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 ROMANS RD, PRINCE GEORGE, VA 23875

PROJECT NO: 592926
DATE: JANUARY 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

SCHEDULES

M0.3

2/3/2021 10:49:59 PM

N

SECOND FLOOR DUCTWORK PLAN - PART B

1/8" = 1'-0"

0' 2' 4' 8' 16'

1/8" = 1'-0"

MOSELEYARCHITECTS

3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
DAVID T. WHATELY
Lic. No. 052209
1/6/2021
PROFESSIONAL ENGINEER

KEY PLAN

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT #: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 ROMANS RD, PRINCE GEORGE, VA 23875

PROJECT NO: 592926
DATE: JANUARY 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

SECOND FLOOR DUCTWORK PLAN - PART B

M2.5.1

2/3/2021 10:50:39 PM

INTERIOR LIGHT FIXTURE SCHEDULE

FIXTURE							LAMP				OPTIONS	REFERENCE	
TYPE	DESCRIPTION	MANUFACTURER	SERIES NO.	WATTAGE	LUMENS	COLOR	QUANTITY	TYPE	COLOR TEMP.	MOUNTING	DIMMING	NOTE	COMMENTS
A1	2X4 LED TROFFER	LUMENFOCUS	FFL2R 24	23	3304 lm	WHITE	1	LED	4000 K	RECESSED GRID	X		
A2	2X4 LED TROFFER	LUMENFOCUS	FFL2R 24	28	3975 lm	WHITE	1	LED	4000 K	RECESSED GRID	X		
A3	2X4 LED TROFFER	LUMENFOCUS	FFL2R 24	32	4451 lm	WHITE	1	LED	4000 K	RECESSED GRID	X		
A4	2X4 LED TROFFER	LUMENFOCUS	FFL2R 24	43	6473 lm	WHITE	1	LED	4000 K	RECESSED GRID	X		
AH	HIGHBAY LED	LUMENFOCUS	FFL2R 24 HO	141	17541 lm	WHITE	1	LED	4000 K	RECESSED GRID	X		
B1	2X2 LED TROFFER	LUMENFOCUS	FFL2R 22	18	2372 lm	WHITE	1	LED	4000 K	RECESSED GRID	X		
B2	2X2 LED TROFFER	LUMENFOCUS	FFL2R 22	32	4332 lm	WHITE	1	LED	4000 K	RECESSED GRID	X		
B3	2X2 LED TROFFER	LUMENFOCUS	FFL2R 22	46	6413 lm	WHITE	1	LED	4000 K	RECESSED GRID	X		
C6	6" LED DOWNLIGHT	LITON	LHABLD6	9	1000 lm	WHITE	1	LED	4000 K	RECESSED FLANGED	X		
C6-2	6" LED DOWNLIGHT	LITON	LHABLD6	19	2500 lm	WHITE	1	LED	4000 K	RECESSED FLANGED	X		
C6W	6" LED WET LOCATION DOWNLIGHT	LITON	LHABLD6	9	1000 lm	WHITE	1	LED	4000 K	RECESSED FLANGED		3	
D	LOW PROFILE SURFACE MOUNT CANOPY FIXTURE	TRACE LITE	LPC1	20	1905 lm	WHITE	1	LED	4000 K	SURFACE MOUNT ON CANOPY	X	3	
G1	HIGHBAY LED	LUX DYNAMICS	IK10	135	17967 lm	WHITE	1	LED	4000 K	STEM MOUNT AT 22'-6" AFF UNO	X		
H1	LED NARROW STRIP	LUMENFOCUS	ECLN4	15	2082 lm	WHITE	1	LED	4000 K	PENDANT AT 10' AFF UNO	X		
H2	LED NARROW STRIP	LUMENFOCUS	ECLN4	31	3937 lm	WHITE	1	LED	4000 K	PENDANT AT 10' AFF UNO	X		
H3	LED NARROW STRIP	LUMENFOCUS	ECLN4	33	4658 lm	WHITE	1	LED	4000 K	PENDANT AT 10' AFF UNO	X		
J	4' ELEVATOR FIXTURE	LUMENFOCUS	NVL 4	34	4549 lm	WHITE	1	LED	4000 K	WALL SURAFCE		3	
K	KITCHEN 2X4 FIXTURE	SAYLITE	SERIES 131	35	4600 lm	WHITE	1	LED	4000 K	RECESSED GRID	X	3	PROVIDE TRIPLE GASKET KIT
L1-4	4' OPEN SUSPENDED LINEAR DIRECT/INDIRECT PROVIDE CONTINUOUS RUN WITH ADJACENT FIXTURES	PINNACLE ARCHITECTURAL LIGHTING	CHUTE CDI	16	2000 lm	WHITE	1	LED	4000 K	PENDANT 2' FROM CEILING UNO	X		
L2-24	24' RECESSED LINEAR WALL WASH	PINNACLE ARCHITECTURAL LIGHTING	EDGE EV3WW	94	12000 lm	WHITE	1	LED	4000 K	RECESSED GRID	X		
L3	1'X4' RECESSED LINEAR	AXIS LIGHTING	AURA 14	19	2400 lm	WHITE	1	LED	4000 K	RECESSED TG15 MOUNTING	X		
L3-2	1'X4' RECESSED LINEAR	AXIS LIGHTING	AURA 14	40	5000 lm	WHITE	1		4000 K	RECESSED TG15 MOUNTING	X		
L4-1	2X4 LED TROFFER	AXIS LIGHTING	AURA 24	27	3100 lm	WHITE	1	LED	4000 K	RECESSED GRID	X		
L4-2	2X4 LED TROFFER	AXIS LIGHTING	AURA 24	42	4500 lm	WHITE	1	LED	4000 K	RECESSED GRID	X		
L5	2X2 LED TROFFER	AXIS LIGHTING	AURA 22	23	2500 lm	WHITE	1	LED	4000 K	RECESSED GRID	X		
L5-2	2X2 LED TROFFER	AXIS LIGHTING	AURA 22	23	2500 lm	WHITE	1	LED	4000 K	RECESSED GRID	X		
L6	LED WALL WASH	BEGA-US	50199	34	3630 lm	WHITE	1	LED	4000 K	WALL MOUNT AT 14'-6" AFF UNO			
L7	DECORATIVE PENDANT	ARANCIA	FRICI VERT P65	12	1060 lm	CLEAR ANODIZED	1	LED	4000 K	PENDANT MOUNT, HEIGHT VARIES, REFER TO ARCHITECTURAL DRAWINGS FOR HEIGHTS			
L8	2" LED SLOT FIXTURE	PINNACLE ARCHITECTURAL LIGHTING	EV2D	20	2000 lm	WHITE	1	LED	4000 K	RECESSED GRID	X		PROVIDE CONTINUOUS LENGTH FIXTURES
L9	4" LED SLOT FIXTURE	PINNACLE ARCHITECTURAL LIGHTING	EV4D	20	2000 lm	WHITE	1	LED	4000 K	RECESSED GRID	X		PROVIDE CONTINUOUS LENGTH FIXTURES
S1	SITE POLE FIXTURE - TYPE 4 DIST	LUMENFOCUS	ALL	179	22118 lm	BLACK	1	LED	5000 K	POLE MOUNT AT 28'		3	
SN	INGRADE LIGHT FIXTURE	LUMASCAPE	LS3080	30	3545 lm	BRUSHED STAINLESS STEEL	1	LED	5000 K	INGRADE		3	PROVIDE TYPE MV DISTRIBUTION
SN2	SITE SPOT FIXTURE	BEGA-US	77 702	19	1782 lm	BLACK	1	LED	5000 K	SITE		3	
ST	LED LINEAR STAIRWELL FIXTURE	TRACE LITE	SSF	25	3250 lm	WHITE	1	LED	4000 K	WALL MOUNT AT 8' AFF OR FROM CENTER STAIR			
T	3 BUSBAR SURFACE TRACK SYSTEM	EDISON PRICE LIGHTING	SIGHTLINES 3 BUS TRACK			WHITE				SURFACE			
TF	TRACK LIGHT	EDISON PRICE LIGHTING	IDM MAXIMA HI O	40	5200 lm	WHITE	1	LED	4000 K	TRACK			
TF2	TRACK LIGHT	EDISON PRICE LIGHTING	ARTIMA/S O	45	5100 lm	WHITE	1	LED	4000 K	TRACK			PROVIDE EACH FIXTURE WITH FULL ASSORTMENT OF LENS OPTIONS
TS	STEM MOUNT LIGHTING TRACK	EDISON PRICE LIGHTING	SIGHTLINE P			WHITE				STEM MOUNT AT 25' AFF UNO			
W1	EXTERIOR WALL FIXTURE	TRACE LITE	WLZ	25	2795 lm	BLACK	1	LED	5000 K	WALL MOUNT AT 8' AFF UNO		3	
W2	EXTERIOR WALL FIXTURE - 120V	TRACE LITE	WLZ	25	2795 lm	BLACK	1	LED	5000 K	WALL MOUNT AT 8' AFF		3	
X1	WALL MOUNT SINGLE FACE EXIT SIGN	EXITRONIX	S902	5		BRUSHED ALUMINUM/RED LETTERS	1	LED		RECESSED WALL MOUNT ABOVE DOOR		1	
X1C	CEILING MOUNT SINGLE FACE EXIT SIGN	EXITRONIX	S902	5		BRUSHED ALUMINUM/RED LETTERS	1	LED		RECESSED CEILING MOUNT		1	
X1P	PENDANT SINGLE FACE EXIT SIGN	EXITRONIX	S900	5		BRUSHED ALUMINUM/RED LETTERS	1	LED		PENDANT AT 10' AFF		1	
X2	CEILING MOUNT DOUBLE FACE EXIT SIGN	EXITRONIX	S903	5		BRUSHED ALUMINUM/RED LETTERS	1	LED		RECESSED CEILING MOUNT		1	

*AD 01

GENERAL NOTES:

A. ALL FIXTURES SHALL BE CAPABLE OF 120V AND 277V INPUT (MVOLT), UNO.
B. REFER TO LIGHTING PLANS AND SPECIFICATIONS FOR ADDITIONAL FIXTURE INFORMATION.
C. WHERE BI-LEVEL IS INDICATED FOR FLUORESCENT FIXTURES, PROVIDE TWO BALLASTS.
D. "X" IN THE SCHEDULE INDICATES ITEM IS REQUIRED.
E. KITCHEN FIXTURES: INSTALL LENS WITH SMOOTH SIDE OUT.
F. ALL LENS SHALL BE A MINIMUM 0.125" THICKNESS, UNO.

* O = OCCUPANCY SENSOR; V = VACANCY SENSOR
** PROVIDE BATTERY PACK WHERE INDICATED ON DRAWINGS. WIRE BATTERY LEADS AHEAD OF SWITCH FOR THE CIRCUIT IN THE SPACE TO MAINTAIN PROPER OPERATION IN CASE OF POWER LOSS.

REFERENCE NOTES:

1. NUMBER OF FACES AND DIRECTIONAL CHEVRONS AS INDICATED ON DWGS.
2. FIXTURE SHALL BE SUITABLE FOR DAMP LOCATIONS.
3. FIXTURE SHALL BE SUITABLE FOR WET LOCATIONS.

IN CONCRETE

1. EXCAVATE HOLE APPROXIMATELY 20" DEEP BY 15" IN DIAMETER. CONNECT NON-METALLIC LIQUID TIGHT CONDUIT TO JBOX. USE TEFLON TAPE OR PIPE SEALANT ON CONDUIT FITTINGS TO PREVENT WATER ENTRY INTO JBOX.

2. INSTALL ROUGH-IN HOUSING PER FIGURE ABOVE, MAKE SURE LIGHT DISTRIBUTION IS POINTING TOWARDS FLAG POLES.

3. BACK FILL HOLE WITH SAND AND SOIL FOR STABILITY, DO NOT BACKFILL WITH BARK OR VERMICULITE.

TYPE SN FIXTURE MOUNTING DETAIL

NO SCALE

FIXTURE TYPE SN2 TO MOUNT ON TOP OF CONCRETE BASE.

TYPE SN2 FIXTURE MOUNTING DETAIL

NO SCALE

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
BRIAN C. WELLS
Lic. No. 046269
01/24/2021
PROFESSIONAL ENGINEER

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT #: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 ROMANS RD, PRINCE GEORGE, VA 23875

PROJECT NO: 592926
DATE: JANUARY 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

LIGHT FIXTURE SCHEDULE

E0.2

2/3/2021 11:15:12 AM

SITE PLAN - ELECTRICAL

1" = 40'-0"

GENERAL NOTES

A. COORDINATE WITH CIVIL DRAWINGS FOR ALL SITE WORK INCLUDING UTILITY TRANSFORMER AND GENERATOR LOCATIONS.

B. ELECTRICAL CONTRACTOR SHALL ROUTE ELECTRICAL CONDUITS TO AVOID CONFLICTS WITH SITE UTILITIES AND MAINTAIN REQUIRED EASEMENTS.

C. REFER TO LIGHTING CONTACTOR DETAIL ON E0.4 FOR CONTROL OF CIRCUITS XH1B-1, H1B-1, H1B-2, H1B-48, H1B-50, EH1B-2, EH1B-4, H1C-1, H2A-1, AND H2C-1.

KEYNOTES

APPLIES TO DRAWING E0.3
REPRESENTED BY n

1. PROVIDE 1" CONDUIT WITH SMF SINGLE MODE FIBER OPTIC CABLE FROM IDF/C118 TO WASTEWATER STATION (BURY 24" BELOW GRADE), AND TERMINATE FIBER OPTIC CABLE IN A NEMA 3R ENCLOSURE MOUNTED ON THE PUMP STATION WALL. TRANSITION TO A CAT 6 CABLE TO INTERFACE WITH CONTROL STATION ALARMS.

2. PROVIDE1 1/4"C WITH 3#2, 1#2G(BURY 24" BELOW GRADE) FROM PANEL EH TO S.E. RATED WIREWAY.

3. REFER TO WASTEWATER PUMP STATION WIRING DIAGRAM AND PANEL SCHEDULE GP ON E0.4 FOR ADDITIONAL INFORMATION.

4. REFER TO CIVIL DRAWINGS FOR EXACT ROUTE.

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
BRIAN C. WELLS
Lic. No. 046269
01/24/2021
PROFESSIONAL ENGINEER

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT #: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 ROMANS RD, PRINCE GEORGE, VA 23875

PROJECT NO: 592926
DATE: JANUARY 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

SITE PLAN - ELECTRICAL

E0.3

2/3/2021 11:15:19 AM

GENERAL NOTES

A. REFER TO LIGHTING CONTACTOR DETAIL ON E0.4 FOR CONTROL OF CIRCUITS XH1B-1, H1B-1, H1B-2, H1B-48, H1B-50, EH1B-2, EH1B-4, H1C-1, H2A-1, AND H2C-1.

B. ALL INTERIOR EMERGENCY EGRESS LIGHTING WITHOUT GTR WILL BE UNSWITCHED AND REMAIN ON CONTINUOUSLY.

N

FIRST FLOOR PLAN - PART B - LIGHTING

1/8" = 1'-0"

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
BRIAN C. WELLS
Lic. No. 046269
01/24/2021
PROFESSIONAL ENGINEER

KEY PLAN

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT #: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 ROMANS RD, PRINCE GEORGE, VA 23875

PROJECT NO: 592926
DATE: JANUARY 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

FIRST FLOOR PLAN - PART B - LIGHTING

E2.2.1

2/3/2021 11:15:24 AM

GENERAL NOTES

A. REFER TO LIGHTING CONTACTOR DETAIL ON E0.4 FOR CONTROL OF CIRCUITS XH1B-1, H1B-1, H1B-2, H1B-48, H1B-50, EH1B-2, EH1B-4, H1C-1, H2A-1, AND H2C-1.

B. ALL INTERIOR EMERGENCY EGRESS LIGHTING WITHOUT GTR WILL BE UNSWITCHED AND REMAIN ON CONTINUOUSLY.

FIRST FLOOR PLAN - MECH YARD & OUTDOOR STORAGE - LIGHTING

1/8" = 1'-0"

FIRST FLOOR PLAN - PART C - LIGHTING

1/8" = 1'-0"

KEY PLAN

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
BRIAN C. WELLS
Lic. No. 046269
01/24/2021
PROFESSIONAL ENGINEER

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT #: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 ROMANS RD, PRINCE GEORGE, VA 23875

PROJECT NO: 592926
DATE: JANUARY 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

FIRST FLOOR PLAN - PART C - LIGHTING

E2.3.1

2/3/2021 11:15:38 AM

GENERAL NOTES

A. REFER TO LIGHTING CONTACTOR DETAIL ON E0.4 FOR CONTROL OF CIRCUITS XH1B-1, H1B-1, H1B-2, H1B-48, H1B-50, EH1B-2, EH1B-4, H1C-1, H2A-1, AND H2C-1.

B. ALL INTERIOR EMERGENCY EGRESS LIGHTING WITHOUT GTR WILL BE UNSWITCHED AND REMAIN ON CONTINUOUSLY.

N

SECOND FLOOR PLAN - PART B - LIGHTING

1/8" = 1'-0"

MOSELEYARCHITECTS

3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
BRIAN C. WELLS
Lic. No. 046269
01/24/2021
PROFESSIONAL ENGINEER

KEY PLAN

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT #: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 ROMANS RD, PRINCE GEORGE, VA 23875

PROJECT NO: 592926
DATE: JANUARY 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

SECOND FLOOR PLAN - PART B - LIGHTING

0' 2' 4' 8' 16'
1/8" = 1'-0"

E2.5.1

2/3/2021 11:15:40 AM

KEYNOTES

APPLIES TO DRAWING E2.5.2
REPRESENTED BY: n

1. PROVIDE POWER FOR SENSORS OF FAUCET AND FLUSH VALVE. COORDINATE LOCATION WITH PLUMBING.

GENERAL NOTES

A. REFER TO ARCHITECTURAL OR INTERIOR PLANS FOR ADDITIONAL INFORMATION INCLUDING LOCATIONS AND HEIGHTS OF RECEPTACLES, JUNCTION BOXES, AND CONTROL SWITCHES.

B. REFER TO COMMUNICATIONS DRAWINGS FOR ADDITIONAL INFORMATION AND DETAILS.

N

SECOND FLOOR PLAN - PART B - POWER
1/8" = 1'-0"

0' 2' 4' 8' 16'
1/8" = 1'-0"

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
BRIAN C. WELLS
Lic. No. 046269
01/24/2021
PROFESSIONAL ENGINEER

KEY PLAN

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT #: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 ROMANS RD, PRINCE GEORGE, VA 23875

PROJECT NO: 592926
DATE: JANUARY 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

SECOND FLOOR PLAN - PART B - POWER

E2.5.2

2/3/2021 1:38:22 PM

N

SECOND FLOOR PLAN - PART B - COMMUNICATIONS

1/8" = 1'-0"

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
BRIAN C. WELLS
Lic. No. 046269
01/24/2021
PROFESSIONAL ENGINEER

KEY PLAN

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT #: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 ROMANS RD, PRINCE GEORGE, VA 23875

PROJECT NO: 592926
DATE: JANUARY 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

SECOND FLOOR PLAN - PART B - COMMUNICATIONS

E2.5.3

0' 2' 4' 8' 16'
1/8" = 1'-0"

2/3/2021 1:31:05 PM

DIV. 22 & 23 EQUIPMENT ELECTRICAL SCHEDULE - E2.5.4

NAME	VOLTAGE	PHASE	P/BD	CKT	DISCONNECTING MEANS	FEEDER SIZE	NOTES
DSS-4A	208 V	1			NOTE 3	3#12,#12G,3/4"C	FED DROM OUTDOOR DSS-4B ON ROOF
TU3-28	480 V	3	H2AM	3,5,7	NOTE 2	4#12,#12G,3/4"C	
TU3-29	277 V	1	H2AM	10	NOTE 1	2#12,#12G,3/4"C	

NOTE:
1. PROVIDE A 277V/1P 30A NEMA 1 NON-FUSE DISCONNECT. MOUNT ON OR ADJACENT TO THE UNIT MAINTAINING 4 FEET CLEARANCE IN FRONT OF DISCONNECT AND WITHOUT BLOCKING ANY SERVICE DOORS OR COVERS. LOCATION SHALL BE FIELD DETERMINED.
2. PROVIDE A 480V/3P 30A NEMA 1 NON-FUSE DISCONNECT. MOUNT ON OR ADJACENT TO THE UNIT MAINTAINING 4 FEET CLEARANCE IN FRONT OF DISCONNECT AND WITHOUT BLOCKING ANY SERVICE DOORS OR COVERS. LOCATION SHALL BE FIELD DETERMINED.
3. PROVIDED BY DIVISION 23.

GENERAL NOTES

A. COORDINATE LOCATION OF ALL DISCONNECTS, CONTROL PANELS, & ELECTRICAL CONNECTIONS WITH MECHANICAL AND PLUMBING.

N

SECOND FLOOR PLAN - PART B - MECH POWER
1/8" = 1'-0"

0' 2' 4' 8' 16'
1/8" = 1'-0"

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5590
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
BRIAN C. WELLS
Lic. No. 046269
01/24/2021
PROFESSIONAL ENGINEER

N
KEY PLAN

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT #: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 ROMANS RD, PRINCE GEORGE, VA 23875

PROJECT NO: 592926
DATE: JANUARY 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

SECOND FLOOR PLAN - PART B - MECH POWER

E2.5.4

2/3/2021 1:31:06 PM

1 E2.3.2 E3.1 **MAIN ELEC/C127 & ELEC/C128**
1/4" = 1'-0"

2 E2.5.2 E3.1 **MDF/B206**
1/4" = 1'-0"

KEYNOTES

APPLIES TO DRAWINGS E3.1
REPRESENTED BY n

1. CONTRACTOR INSTALLED UTILITY CO. KWH METER. PROVIDE 1-1/4" RGS CONCEALED CONDUIT FROM CT COMPARTMENT FOR UTILITY WIRING. FINAL LOCATION OF KWH METER SHALL BE DETERMINED BY POWER UTILITY COMPANY.
2. SWITCHBOARD AND TRANSFORMER SHALL BE CONCRETE PAD MOUNTED.
3. PROVIDE 4'X8'X3/4" FIRE RATED PLYWOOD. PAINT WHITE.
4. MOUNT DEVICE TO EQUIPMENT RACK AT 1'-6" AFF. DO NOT OBSTRUCT RACK SPACE. ROUTE FLEXIBLE METALLIC CABLE STRAPPED TO RACK UP TO JUNCTION BOX ABOVE CEILING FOR HOMERUN IN EMT CONDUIT. RECEPTACLE SHALL BE L6-30R VIA 2#10,#10,3/4"C.
5. PROVIDE (6) 4" CONDUITS TO IDF ROOMS ON THE FIRST FLOOR.
6. PROVIDE (2) 4" CONDUITS TO MDF ROOM ON THE 2ND FLOOR.

3 E2.3.2 E3.1 **ELEC/C119 & IDF/C118**
1/4" = 1'-0"

5 E2.2.2 E3.1 **IDF/B113**
1/4" = 1'-0"

4 E2.1.2 E3.1 **IDF/A126**
1/4" = 1'-0"

8 E2.2.2 E3.1 **ELEC/B117**
1/4" = 1'-0"

9 E2.1.2 E3.1 **ELEC/A124**
1/4" = 1'-0"

7 E2.6.2 E3.1 **ELEC/C216**
1/4" = 1'-0"

6 E2.4.2 E3.1 **ELEC/A214**
1/4" = 1'-0"

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
BRIAN C. WELLS
Lic. No. 046269
01/24/2021
PROFESSIONAL ENGINEER

NEW PRINCE GEORGE ELEMENTARY SCHOOL

DOE PROJECT #: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 ROMANS RD, PRINCE GEORGE, VA 23875

PROJECT NO: 592926
DATE: JANUARY 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

ENLARGED PLANS - ELECTRICAL

E3.1

2/3/2021 1:31:12 PM

PANELBOARD SCHEDULE L1A

LOCATION: ELEC A124 — FED FROM: L

225 AMP MLO — 120/208 Wye — 3 PH 4 W — MOUNT: SURFACE — PANEL ASSEMBLY RATED (KAIC): 22 KAIC

CKT	BRKR	POLE	LOAD	A		B		C		LOAD	POLE	BRKR	CKT
1	20 A	1	RECS - RM A131	0.9	0.8					RECS - RM A131	1	20 A	2
3	20 A	1	RECS - RM A130			0.9	0.8			RECS - RM A130	1	20 A	4
5	20 A	1	RECS - RM A129					0.8	0.9	RECS - RM A129	1	20 A	6
7	20 A	1	RECS - RM A123	0.9	0.8					RECS - RM A123	1	20 A	8
9	20 A	1	RECS - RM A134, A122			1.1	0.8			RECS - RM A135	1	20 A	10
11	20 A	1	RECS - RM A135					0.9	0.9	RECS - RM A136	1	20 A	12
13	20 A	1	RECS - RM A136	0.9	0.9					RECS - RM A137	1	20 A	14
15	20 A	1	RECS - RM A137			0.9	1.4			RECS - RM A133	1	20 A	16
17	20 A	1	RECS - RM A134					1.1	0.9	RECS - RM A127, A128	1	20 A	18
19	20 A	1	EXTERIOR RECS	0.7	1.4					RECS - RM A103	1	20 A	20
21	20 A	1	RECS - RM A108, A102			1.1	1.1			RECS - RM A111, A112	1	20 A	22
23	20 A	1	RECS - RM A111					1.1	0.7	PRINTER - RM A111	1	20 A	24
25	20 A	1	MICRO- A110	1.2	0.2					REC - RM A110	1	20 A	26
27	20 A	1	REFRIG.- RM A110			0.2	1.3			RECS - RM A110, A109	1	20 A	28
29	20 A	1	RECS - RM A105, A106					1.1	0.7	RECS - RM A108, A107	1	20 A	30
31	20 A	1	RECS - RM A119	1.1	1.1					RECS - RM A118	1	20 A	32
33	20 A	1	RECS - RM A116			1.4	1.8			RECS - RM A115, A114	1	20 A	34
35	20 A	1	RECS - RM A113, A108					1.3	0.9	RECS - RM A121	1	20 A	36
37	20 A	1	RECS - RM A121	0.9	0.7					CORD REEL - RM A121	1	20 A	38
39	20 A	1	CORD REEL - RM A121			0.7	0.7			RECS - RM A121	1	20 A	40
41	20 A	1	RECS - RM A120					0.9	0.5	RECS - RM A120	1	20 A	42
43	20 A	1	RECS - RM A120	0.9	1.1					RECS - RM A120	1	20 A	44
45	20 A	1	HAND DRYER - RM A131A (ML)			1.2	1.2			HAND DRYER - RM A130A (ML)	1	20 A	46
47	20 A	1	HAND DRYER - RM A129A (ML)					1.2	1.2	HAND DRYER - RM A124 (ML)	1	20 A	48
49	20 A	1	HAND DRYER - RM A135A (ML)	1.2	1.2					HAND DRYER - RM A136A (ML)	1	20 A	50
51	20 A	1	HAND DRYER - RM A137A (ML)			1.2	1.2			HAND DRYER - RM A138B (ML)	1	20 A	52
53	20 A	1	HAND DRYER - RM A112 (ML)					1.2	1.2	HAND DRYER - RM A107 (ML)	1	20 A	54
55	20 A	1	MOTORIZED SHADES- RM A120	0.8	1.0					DISPLAY CASES	1	20 A	56
57	20 A	1	SPARE			0.0	0.0			SPARE	1	20 A	58
59	20 A	1	SPARE					0.0	0.0	SPARE	1	20 A	60
61	20 A	1	SPARE	0.0	0.0					SPARE	1	20 A	62
63	20 A	1	SPARE			0.0	0.0			SPARE	1	20 A	64
65	20 A	1	SPARE					0.0	0.0	SPARE	1	20 A	66
67	20 A	1	SPARE	0.0	0.0					SPARE	1	20 A	68
69	20 A	1	SPARE			0.0	0.0			SPARE	1	20 A	70
71	20 A	1	SPARE					0.0	0.0	SPARE	1	20 A	72
73	--	--	SPACE ONLY	0.0	0.0					SPACE ONLY	--	--	74
75	--	--	SPACE ONLY			0.0	0.0			SPACE ONLY	--	--	76
77	--	--	SPACE ONLY					0.0	0.0	SPACE ONLY	--	--	78
79	--	--	SPACE ONLY	0.0	0.0					SPACE ONLY	--	--	80
81	--	--	SPACE ONLY			0.0	0.0			SPACE ONLY	--	--	82
83	--	--	SPACE ONLY					0.0	0.0	SPACE ONLY	--	--	84
				19 kVA		19 kVA		17 kVA					
				157 A		159 A		145 A					

(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER NEC 427.22 DED. NEUTRAL.
(GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4-6mA PER NEC 210.8. DED. NEUTRAL.
(L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING.
(LC) = ROUTE TO LOAD VIA LIGHTING CONTACTOR, REF DETAIL ON DWG E4.X.
(ML) = PROVIDE BREAKER WITH MAINTENANCE LOCKOUT, LOCKABLE OFF.

Load Classification	Connected Load	Demand Factor	Estimated Demand
INTERIOR LIGHTING	0 VA	0.00%	0 VA
EXTERIOR LIGHTING	0 VA	0.00%	0 VA
RECEPTACLES	39060 VA	62.80%	24530 VA
AC / HEAT PUMP	0 VA	0.00%	0 VA
ELECTRIC HEAT	0 VA	0.00%	0 VA
KITCHEN	0 VA	0.00%	0 VA
MISCELLANEOUS	15970 VA	100.00%	15970 VA

Panel Totals
Total Conn. Load: 55.0 kVA
Total Est. Demand: 40.5 kVA
Total Conn. Current: 153 A
Total Est. Demand... 112 A

PANELBOARD SCHEDULE L2C

LOCATION: ELEC C216 — FED FROM: L

225 AMP MLO — 120/208 Wye — 3 PH 4 W — MOUNT: SURFACE — PANEL ASSEMBLY RATED (KAIC): 22 KAIC

CKT	BRKR	POLE	LOAD	A		B		C		LOAD	POLE	BRKR	CKT
1	20 A	1	RECS -RM C206	0.7	0.9					RECS -RM C206	1	20 A	2
3	20 A	1	RECS -RM C205			0.7	0.9			RECS -RM C205	1	20 A	4
5	20 A	1	RECS -RM C204					0.9	0.7	RECS -RM C204	1	20 A	6
7	20 A	1	RECS -RM C203	0.9	0.9					RECS -RM C203	1	20 A	8
9	20 A	1	RECS -RM C202			0.7	0.9			RECS -RM C202	1	20 A	10
11	20 A	1	RECS -RM C200					0.5	0.9	RECS -RM C210	1	20 A	12
13	20 A	1	RECS -RM C210	0.7	0.7					RECS -RM C211	1	20 A	14
15	20 A	1	RECS -RM C211			0.9	0.9			RECS -RM C212	1	20 A	16
17	20 A	1	RECS -RM C212					0.7	1.3	RECS -RM C214	1	20 A	18
19	20 A	1	RECS -RM C214	1.3	0.6								20
21	20 A	1	RECS -CORRIDOR C209			1.4	0.6			DIVIDER - RM C214	3	20 A	22
23	20 A	1	RECS- RM C208					1.4	0.6				24
25	20 A	1	RECS -RM C213	0.7	0.7					RECS -RM C209, C215, C217	1	20 A	26
27	20 A	1	EWC- CORRIDOR B200(GP)			0.6	0.6			EWC- CORRIDOR B200(GP)	1	20 A	28
29	20 A	1	RECS -COLLAB LEARNING B204					1.3	0.4	RECS- B200 & EXTERIOR	1	20 A	30
31	20 A	1	FAUCET AND FLUSH SENSORS	0.2	1.7					F-7	1	30 A	32
33	15 A	1	F-12			0.1	0.1			F-13	1	15 A	34
35	20 A	1	REC ON ROOF					0.2	1.2	HAND DRYER - RM C218 (ML)	1	20 A	36
37	20 A	1	HAND DRYER - RM C218 (ML)	1.2	1.2					HAND DRYER - RM C217 (ML)	1	20 A	38
39	20 A	1	SPARE			0.0	1.0			DISPLAY CASES	1	20 A	40
41	20 A	1	SPARE					0.0	0.0	SPARE	1	20 A	42
43	20 A	1	SPARE	0.0	0.0					SPARE	1	20 A	44
45	20 A	1	SPARE			0.0	0.0			SPARE	1	20 A	46
47	--	--	SPACE ONLY					0.0	0.0	SPACE ONLY	--	--	48
49	--	--	SPACE ONLY	0.0	0.0					SPACE ONLY	--	--	50
51	--	--	SPACE ONLY			0.0	0.0			SPACE ONLY	--	--	52
53	--	--	SPACE ONLY					0.0	0.0	SPACE ONLY	--	--	54
				12 kVA		10 kVA		10 kVA					
				104 A		79 A		85 A					

(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER NEC 427.22 DED. NEUTRAL.
(GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4-6mA PER NEC 210.8. DED. NEUTRAL.
(L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING.
(LC) = ROUTE TO LOAD VIA LIGHTING CONTACTOR, REF DETAIL ON DWG E4.X.
(ML) = PROVIDE BREAKER WITH MAINTENANCE LOCKOUT, LOCKABLE OFF.

Load Classification	Connected Load	Demand Factor	Estimated Demand
INTERIOR LIGHTING	0 VA	0.00%	0 VA
EXTERIOR LIGHTING	0 VA	0.00%	0 VA
RECEPTACLES	22320 VA	72.40%	16160 VA
AC / HEAT PUMP	1916 VA	100.00%	1916 VA
ELECTRIC HEAT	0 VA	0.00%	0 VA
KITCHEN	0 VA	0.00%	0 VA
MISCELLANEOUS	7730 VA	100.00%	7730 VA

Panel Totals
Total Conn. Load: 32.0 kVA
Total Est. Demand: 25.8 kVA
Total Conn. Current: 89 A
Total Est. Demand... 72 A

PANELBOARD SCHEDULE L1B

LOCATION: ELEC-1 B117-1 — FED FROM: L

225 AMP MLO — 120/208 Wye — 3 PH 4 W — MOUNT: SURFACE — PANEL ASSEMBLY RATED (KAIC): 22 KAIC

CKT	BRKR	POLE	LOAD	A		B		C		LOAD	POLE	BRKR	CKT
1	20 A	1	F-8	0.7	1.2					F-10	1	20 A	2
3	15 A	1	F-11			0.1	0.1			F-14	1	15 A	4
5	15 A	1	F-16					0.1	0.5	RECS ON ROOF	1	20 A	6
7	20 A	1	RECS - RM B126	0.9	0.9					RECS - RM B126	1	20 A	8
9	20 A	1	RECS - RM B127			0.9	0.9			RECS - RM B127	1	20 A	10
11	20 A	1	RECS - RM B128					0.8	0.9	RECS - RM B128	1	20 A	12
13	20 A	1	RECS - RM B129	0.9	0.8					RECS - RM B129	1	20 A	14
15	20 A	1	RECS - RM B130			0.8	0.9			RECS - RM B130	1	20 A	16
17	20 A	1	RECS - RM B123					0.8	0.9	RECS - RM B123	1	20 A	18
19	20 A	1	RECS - RM B122	0.9	0.8					RECS - RM B122	1	20 A	20
21	20 A	1	RECS - RM B119			0.9	0.9			RECS - RM B119	1	20 A	22
23	20 A	1	RECS - RM B118					0.9	0.8	RECS - RM B118	1	20 A	24
25	20 A	1	RECS - CORRIDOR B125	1.4	1.1					RECS - CORRIDOR B124	1	20 A	26
27	20 A	1	RECS - RM B121			0.7	0.5			RECS - RM B125, B120	1	20 A	28
29	20 A	1	EWC- CORRIDO A122 (GP)					0.6	0.5	EXTERIOR RECS	1	20 A	30
31	20 A	1	RECS - RM B100, B101	0.7	0.9					RECS - RM B112, B104	1	20 A	32
33	20 A	1	RECS - RM B104			0.9	0.6			RECS - RM B105A, B131, B105	1	20 A	34
35	20 A	1	RECS - RM B106					0.7	0.9	RECS - RM B106	1	20 A	36
37	20 A	1	EWC- RM B106 (GP)	0.6	0.5					SOUND RACK - RM B107	1	20 A	38
39	20 A	1	RECS - RM B108, B109B			0.5	1.7			WINCH- RM B115	1	25 A	40
41	25 A	1	WICH - RM B115					1.7	0.1	MOTORIZED SCREEN- RM B110	1	20 A	42
43				0.1	5.9					SCOREBOPARD- RM B115	1	20 A	44
45	50 A	3	KIRLN SKUTT			0.1	5.9			SCOREBOPARD- RM B115	1	20 A	46
47								0.1	0.6				48
49	30 A	1	DIVIDER CURTAIN - RM B115	1.9	0.6					DIVIDER- RM C123 & B115	3	20 A	50
51	20 A	1	MOTORIZED SHADES- RM B115			0.8	0.6						52
53	20 A	1	HAND DRYER - RM B114A (ML)					1.2	1.2	HAND DRYER- RM B131 (ML)	1	20 A	54
55	20 A	1	HAND DRYER - RM B130A (ML)	1.2	1.2					HAND DRYER - RM B129A (ML)	1	20 A	56
57	20 A	1	HAND DRYER - RM B128A (ML)			1.2	1.2			HAND DRYER - RM B127A (ML)	1	20 A	58
59	20 A	1	HAND DRYER - RM B126A (ML)					1.2	1.2	HAND DRYER - RM B123A (ML)	1	20 A	60
61	20 A	1	HAND DRYER - RM B119A (ML)	1.2	1.2					HAND DRYER - RM B118A (ML)	1	20 A	62
63	20 A	1	HAND DRYER - RM B122A (ML)			1.2	1.5			DISPLAY CASES	1	20 A	64
65	20 A	1	DISPLAY CASES					1.0	0.0	SPARE	1	20 A	66
67	20 A	1	SPARE	0.0	0.0					SPARE	1	20 A	68
69	20 A	1	SPARE			0.0	0.0			SPARE	1	20 A	70
71	20 A	1	SPARE					0.0	0.0	SPARE	1	20 A	72
73	--	--	SPACE ONLY	0.0	0.0					SPACE ONLY	--	--	74
75	--	--	SPACE ONLY			0.0	0.0			SPACE ONLY	--	--	76
77	--	--	SPACE ONLY					0.0	0.0	SPACE ONLY	--	--	78
79	--	--	SPACE ONLY	0.0	0.0					SPACE ONLY	--	--	80
81	--	--	SPACE ONLY			0.0	0.0			SPACE ONLY	--	--	82
83	--	--	SPACE ONLY					0.0	0.0	SPACE ONLY	--	--	84
				26 kVA		23 kVA		17 kVA					
				221 A		199 A		138 A					

(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER NEC 427.22 DED. NEUTRAL.
(GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4-6mA PER NEC 210.8. DED. NEUTRAL.
(L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING.
(LC) = ROUTE TO LOAD VIA LIGHTING CONTACTOR, REF DETAIL ON DWG E4.X.
(ML) = PROVIDE BREAKER WITH MAINTENANCE LOCKOUT, LOCKABLE OFF.

Load Classification	Connected Load	Demand Factor	Estimated Demand
INTERIOR LIGHTING	0 VA	0.00%	0 VA
EXTERIOR LIGHTING	0 VA	0.00%	0 VA
RECEPTACLES	25200 VA	69.84%	17600 VA
AC / HEAT PUMP	2260 VA	100.00%	2260 VA
ELECTRIC HEAT	0 VA	0.00%	0 VA
KITCHEN	0 VA	0.00%	0 VA
MISCELLANEOUS	37582 VA	100.00%	37582 VA

Panel Totals
Total Conn. Load: 65.0 kVA
Total Est. Demand: 57.4 kVA
Total Conn. Current: 181 A
Total Est. Demand... 159 A

PANELBOARD SCHEDULE L1C

LOCATION: ELEC C119 — FED FROM: L

225 AMP MLO — 120/208 Wye — 3 PH 4 W — MOUNT: SURFACE — PANEL ASSEMBLY RATED (KAIC): 22 KAIC

CKT	BRKR	POLE	LOAD	A		B		C		LOAD	POLE	BRKR	CKT
1	20 A	1	RECS - RM C107	0.7	0.9					RECS - RM C107	1	20 A	2
3	20 A	1	RECS - RM C106			0.9	0.7			RECS - RM C106	1	20 A	4
5	20 A	1	RECS - RM C105					0.9	0.9	RECS - RM C105	1	20 A	6
7	20 A	1	RECS - RM C104	0.9	0.6					RECS - RM C104	1	20 A	8
9	20 A	1	RECS - RM C102			0.7	0.8			RECS - RM C102	1	20 A	10
11	20 A	1	REFRIG. - RM C102					1.0	0.2	PINTER - RM C102	1	20 A	12
13	20 A	1	RECS - RM C109	0.9	0.9					RECS - RM C109	1	20 A	14
15	20 A	1	RECS - RM C110			0.7	0.9			RECS - RM C110	1	20 A	16
17	20 A	1	RECS - RM C111					0.9	0.7	RECS - RM C111	1	20 A	18
19	20 A	1	RECS - RM C112	0.9	0.8					RECS - RM C112	1	20 A	20
21	20 A	1	RECS - RM C115			1.4	1.8			RECS - RM C114	1	20 A	22
23	20 A	1	RECS - RM C113					0.7	1.4	RECS - RM C115--117	1	20 A	24
25	20 A	1	EXTERIOR RECS	0.9	0.7					EXTERIOR RECS	1	20 A	26
27	20 A	1	EWC CORRIDOR A122 (GP)			0.6	0.6			EWC CORRIDOR A122 (GP)	1	20 A	28
29	20 A	1	RECS -CORRIDO A122					0.7	0.2	FAUCET AND FLUSH SENSORS	1	20 A	30
31	20 A	1	HAND DRYER - RM C120 (ML)	1.2	1.2					HAND DRYER - RM C120 (ML)	1	20 A	32
33	20 A	1	HAND DRYER - RM C112A (ML)			1.2	1.2			HAND DRYER- C133 (ML)	1	20 A	34
35	20 A	1	HAND DRYER - RM A138C (ML)					1.2	1.2	HAND DRYER-C102A (ML)	1	20 A	36
37	20 A	1	SPARE	0.0	0.0					SPARE	1	20 A	38
39	20 A	1	SPARE			0.0	0.0			SPARE	1	20 A	40
41	20 A	1	SPARE					0.0	0.0	SPARE	1	20 A	42
43	20 A	1	SPARE	0.0	0.0					SPARE	1	20 A	44
45	20 A	1	SPARE			0.0	0.0			SPARE	1	20 A	46
47	20 A	1	SPARE					0.0	0.0	SPARE	1	20 A	48
49	20 A	1	SPARE	0.0	0.0					SPARE	1	20 A	50
51	20 A	1	SPARE			0.0	0.0			SPARE	1	20 A	52
53	20 A	1	SPARE					0.0	0.0	SPARE	1	20 A	54
55	--	--	SPACE ONLY	0.0	0.0					SPACE ONLY	--	--	56
57	--	--	SPACE ONLY			0.0	0.0			SPACE ONLY	--	--	58
59	--	--	SPACE ONLY					0.0	0.0	SPACE ONLY	--	--	60
61	--	--	SPACE ONLY	0.0	0.0					SPACE ONLY	--	--	62
63	--	--	SPACE ONLY			0.0	0.0			SPACE ONLY	--	--	64
65	--	--	SPACE ONLY					0.0	0.0	SPACE ONLY	--	--	66
				11 kVA		12 kVA		10 kVA					
				89 A		97 A		84 A					

(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER NEC 427.22 DED. NEUTRAL.
(GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4-6mA PER NEC 210.8. DED. NEUTRAL.
(L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING.
(LC) = ROUTE TO LOAD VIA LIGHTING CONTACTOR, REF DETAIL ON DWG E4.X.
(ML) = PROVIDE BREAKER WITH MAINTENANCE LOCKOUT, LOCKABLE OFF.

Load Classification	Connected Load	Demand Factor	Estimated Demand
INTERIOR LIGHTING	0 VA	0.00%	0 VA
EXTERIOR LIGHTING	0 VA	0.00%	0 VA
RECEPTACLES	22500 VA	72.22%	16250 VA
AC / HEAT PUMP	0 VA	0.00%	0 VA
ELECTRIC HEAT	0 VA	0.00%	0 VA
KITCHEN	0 VA	0.00%	0 VA
MISCELLANEOUS	9700 VA	100.00%	9700 VA

Panel Totals
Total Conn. Load: 32.2 kVA
Total Est. Demand: 26.0 kVA
Total Conn. Current: 89 A
Total Est. Demand... 72 A

PANELBOARD SCHEDULE L1M

LOCATION: ELEC C127 — FED FROM: L

100 AMP MLO — 120/208 Wye — 3 PH 4 W — MOUNT: SURFACE — PANEL ASSEMBLY RATED (KAIC): 22 KAIC

CKT	BRKR	POLE	LOAD	A		B		C		LOAD	POLE	BRKR	CKT
1	20 A	1	F-2	0.7	0.2					F-3	1	15 A	2
3	20 A	1	F-4			0.7	0.7			F-5	1	20 A	4
5	20 A	1	RECS ON ROOF					0.5	1.1	EXTERIOR RECS	1	20 A	6
7	20 A	1	RECS - RM C124, C125	0.5	1.2					LOADING OVERHEAD DOOR	1	20 A	8
9	20 A	1	STORAGE OVERHEAD DOOR			1.2	0.4			EXTERIOR RECS	1	20 A	10
11	20 A	1	BAS CONTROL PANEL- C129					0.5	0.9	RCP-2	1	15 A	12
13	15 A	1	RCP-1	0.5	0.5					CHILLER PLANT CONTROL...	1	20 A	14
15	20 A	1	HEAT TRACE CONTROL PANEL			0.5	1.0			MOTORIZED SHADES - RM C123	1	20 A	16
17	20 A	1	ELECTRONIC TRAP PRIMER					1.0	0.0	SPARE	1	20 A	18
19	20 A	1	SPARE	0.0	0.0					SPARE	1	20 A	20
21	20 A	1	SPARE			0.0	0.0			SPARE	1	20 A	22
23	20 A	1	SPARE					0.0	0.0	SPARE	1	20 A	24
25	20 A	1	SPARE	0.0	0.0					SPARE	1	20 A	26
27	20 A	1	SPARE			0.0	0.0			SPARE	1	20 A	28
29	20 A	1	SPARE					0.0	0.0	SPARE	1	20 A	30
31	20 A	1	SPARE	0.0	0.0					SPARE	1	20 A	32
33	--	--	SPACE ONLY			0.0	0.0			SPACE ONLY	--	--	34
35	--	--	SPACE ONLY					0.0	0.0	SPACE ONLY	--	--	36
37	--	--	SPACE ONLY	0.0	0.0					SPACE ONLY	--	--	38
39	--	--	SPACE ONLY			0.0	0.0			SPACE ONLY	--	--	40
41	--	--	SPACE ONLY					0.0	0.0	SPACE ONLY	--	--	42
				4 kVA		4 kVA		4 kVA					
				30 A		37 A		34 A					

(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER NEC 427.22 DED. NEUTRAL.
(GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4-6mA PER NEC 210.8. DED. NEUTRAL.
(L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING.
(LC) = ROUTE TO LOAD VIA LIGHTING CONTACTOR, REF DETAIL ON DWG E4.X.
(ML) = PROVIDE BREAKER WITH MAINTENANCE LOCKOUT, LOCKABLE OFF.

Load Classification	Connected Load	Demand Factor	Estimated Demand
INTERIOR LIGHTING	0 VA	0.00%	0 VA
EXTERIOR LIGHTING	0 VA	0.00%	0 VA
RECEPTACLES	2520 VA	100.00%	2520 VA
AC / HEAT PUMP	2096 VA	100.00%	2096 VA
ELECTRIC HEAT	1000 VA	100.00%	1000 VA
KITCHEN	0 VA	0.00%	0 VA
MISCELLANEOUS	6444 VA	100.00%	6444 VA

Panel Totals
Total Conn. Load: 12.1 kVA
Total Est. Demand: 12.1 kVA
Total Conn. Current: 33 A
Total Est. Demand... 33 A

PANELBOARD SCHEDULE L2A

LOCATION: ELEC A214 — FED FROM: L

225 AMP MLO — 120/208 Wye — 3 PH 4 W — MOUNT: SURFACE — PANEL ASSEMBLY RATED (KAIC): 22 KAIC

CKT	BRKR	POLE	LOAD	A		B		C		LOAD	POLE	BRKR	CKT
1	20 A	1	RECS- RM A209	0.7	0.9					RECS- RM A209	1	20 A	2
3	20 A	1	RECS- RM A208			0.7	0.9			RECS- RM A208	1	20 A	4
5	20 A	1	RECS- RM A207					0.9	0.7	RECS- RM A207	1	20 A	6
7	20 A	1	RECS- RM A206	0.7	0.9					RECS- RM A206	1	20 A	8
9	20 A	1	RECS- RM A205			0.9	0.7			RECS- RM A205	1	20 A	10
11	20 A	1	RECS- RM A201					0.9	0.7	RECS- RM A201	1	20 A	12
13	20 A	1	RECS- RM A202	0.7	0.9					RECS- RM A202	1	20 A	14
15	20 A	1	RECS- RM A203			0.9	0.9			RECS- RM A203	1	20 A	16
17	20 A	1	RECS- RM A204					0.7	0.9	RECS- RM A204	1	20 A	18
19	20 A	1	RECS- RM A218	0.7	0.9					RECS- RM A217	1	20 A	20
21	20 A	1	RECS- RM A219			0.9	0.9			RECS- RM A219	1	20 A	22
23	20 A	1	RECS- RM A220					0.9	0.9	RECS- RM A220	1	20 A	24
25	20 A	1	RECS- RM A221	0.9	0.9					RECS- RM A221	1	20 A	26
27	20 A	1	RECS - LEARNING A210			1.4	1.4			RECS - CORRIDOR A211	1	20 A	28
29	20 A	1	RECS - RES A212					0.9	0.5	RECS- RM A211, A213, A215	1	20 A	30
31	20 A	1	RECS -CORRIDOR A216	1.4	1.4					RECS - CORRIDO A211	1	20 A	32
33	20 A	1	EWC- CORRIDOR B200 (GP)			0.6	0.6			EWC - CORRIDOR B200 (GP)	1	20 A	34
35	20 A	1

PANELBOARD SCHEDULE XL

LOCATION: ELEC C128 | FED FROM: XFMR TXL

100 AMP MCB | 120/208 Wye | 3 PH 4 W | MOUNT: SURFACE | PANEL ASSEMBLY RATED (KAIC): 22 KAIC

CKT	BRKR	POLE	LOAD	A		B		C		LOAD	POLE	BRKR	CKT
1				0.6	3.2								2
3	50 A	3	XL1C			0.2	1.4			XL1B	3	50 A	4
5								0.0	2.4				6
7				2.4	0.0								8
9	50 A	3	XL1A			0.8	0.0			SPARE	3	50 A	10
11								1.7	0.0				12
13				0.0	0.5					GENERATOR LIGHTS & RECS	1	20 A	14
15	50 A	3	SPARE			0.0	1.3			GENERATOR BLOCK HEATER	2	20 A	16
17								0.0	1.3				18
19	20 A	1	GENERATOR BATTERRY...	0.5	0.2					MOTORIZED DAMPERS	1	20 A	20
21	20 A	1	SPARE			0.0	0.0			SPARE	1	20 A	22
23	20 A	1	SPARE					0.0	0.0	SPARE	1	20 A	24
25	--	--	SPACE ONLY	0.0	0.0					SPACE ONLY	--	--	26
27	--	--	SPACE ONLY			0.0	0.0			SPACE ONLY	--	--	28
29	--	--	SPACE ONLY					0.0	0.0	SPACE ONLY	--	--	30
31	--	--	SPACE ONLY	0.0	0.0					SPACE ONLY	--	--	32
33	--	--	SPACE ONLY			0.0	0.0			SPACE ONLY	--	--	34
35	--	--	SPACE ONLY					0.0	0.0	SPACE ONLY	--	--	36
37	--	--	SPACE ONLY	0.0	0.0								38
39	--	--	SPACE ONLY			0.0	0.0			SPD	3	30 A	40
41	--	--	SPACE ONLY					0.0	0.0				42
				7 kVA		4 kVA		5 kVA					
				64 A		30 A		46 A					

(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER NEC 427.22 DED. NEUTRAL.
(GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4-6mA PER NEC 210.8. DED. NEUTRAL.
(L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING.
(LC) = ROUTE TO LOAD VIA LIGHTING CONTACTOR, REF DETAIL ON DWG E4.X.
(ML) = PROVIDE BREAKER WITH MAINTENANCE LOCKOUT, LOCKABLE OFF.

Load Classification	Connected Load	Demand Factor	Estimated Demand
INTERIOR LIGHTING	0 VA	0.00%	0 VA
EXTERIOR LIGHTING	0 VA	0.00%	0 VA
RECEPTACLES	0 VA	0.00%	0 VA
AC / HEAT PUMP	0 VA	0.00%	0 VA
ELECTRIC HEAT	2500 VA	100.00%	2500 VA
KITCHEN	0 VA	0.00%	0 VA
MISCELLANEOUS	13800 VA	100.00%	13800 VA

Panel Totals

Total Conn. Load: 16.3 kVA
Total Est. Demand: 16.3 kVA
Total Conn. Current: 45 A
Total Est. Demand... 45 A

PANELBOARD SCHEDULE XL1C

LOCATION: ELEC C119 | FED FROM: XL

100 AMP MLO | 120/208 Wye | 3 PH 4 W | MOUNT: SURFACE | PANEL ASSEMBLY RATED (KAIC): 10 KAIC

CKT	BRKR	POLE	LOAD	A		B		C		LOAD	POLE	BRKR	CKT
1	20 A	1	DOOR ELECTRIC LOCKS	0.3	0.3					DOOR ELECTRIC LOCKS	1	20 A	2
3	20 A	1	FIRE AALRM NAC PANEL - RM...			0.2	0.0			SPARE	1	20 A	4
5	20 A	1	SPARE					0.0	0.0	SPARE	1	20 A	6
7	20 A	1	SPARE	0.0	0.0					SPARE	1	20 A	8
9	20 A	1	SPARE			0.0	0.0			SPARE	1	20 A	10
11	--	--	SPACE ONLY					0.0	0.0	SPACE ONLY	--	--	12
13	--	--	SPACE ONLY	0.0	0.0					SPACE ONLY	--	--	14
15	--	--	SPACE ONLY			0.0	0.0			SPACE ONLY	--	--	16
17	--	--	SPACE ONLY					0.0	0.0	SPACE ONLY	--	--	18
19	--	--	SPACE ONLY	0.0	0.0					SPACE ONLY	--	--	20
21	--	--	SPACE ONLY			0.0	0.0			SPACE ONLY	--	--	22
23	--	--	SPACE ONLY					0.0	0.0	SPACE ONLY	--	--	24
				1 kVA		0 kVA		0 kVA					
				5 A		2 A		0 A					

(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER NEC 427.22 DED. NEUTRAL.
(GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4-6mA PER NEC 210.8. DED. NEUTRAL.
(L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING.
(LC) = ROUTE TO LOAD VIA LIGHTING CONTACTOR, REF DETAIL ON DWG E4.X.
(ML) = PROVIDE BREAKER WITH MAINTENANCE LOCKOUT, LOCKABLE OFF.

Load Classification	Connected Load	Demand Factor	Estimated Demand
INTERIOR LIGHTING	0 VA	0.00%	0 VA
EXTERIOR LIGHTING	0 VA	0.00%	0 VA
RECEPTACLES	0 VA	0.00%	0 VA
AC / HEAT PUMP	0 VA	0.00%	0 VA
ELECTRIC HEAT	0 VA	0.00%	0 VA
KITCHEN	800 VA	100.00%	800 VA
MISCELLANEOUS	800 VA	100.00%	800 VA

Panel Totals

Total Conn. Load: 0.8 kVA
Total Est. Demand: 0.8 kVA
Total Conn. Current: 2 A
Total Est. Demand... 2 A

PANELBOARD SCHEDULE EHK

LOCATION: KITCHEN C136 | FED FROM: EH

400 AMP MLO | 480/277 Wye | 3 PH 4 W | MOUNT: RECESSED | PANEL ASSEMBLY RATED (KAIC): 14 KAIC

CKT	BRKR	POLE	LOAD	A		B		C		LOAD	POLE	BRKR	CKT
1				0.6	47.2								2
3	15 A	3	ITEM 18 - KITCHEN C136 (ML)			0.6	47.2			ITEM 35- KITCHEN C136(ML)	3	250 A	4
5								0.6	47.2				6
7				0.6	0.0					SPACE ONLY	--	--	8
9	15 A	3	ITEM 59 - KITCHEN C136(ML)			0.6	0.0			SPACE ONLY	--	--	10
11								0.6	0.0	SPACE ONLY	--	--	12
13	--	--	SPACE ONLY	0.0	0.0					SPACE ONLY	--	--	14
15	--	--	SPACE ONLY			0.0	0.0			SPACE ONLY	--	--	16
17	--	--	SPACE ONLY					0.0	0.0	SPACE ONLY	--	--	18
19	--	--	SPACE ONLY	0.0	0.0					SPACE ONLY	--	--	20
21	--	--	SPACE ONLY			0.0	0.0			SPACE ONLY	--	--	22
23	--	--	SPACE ONLY					0.0	0.0	SPACE ONLY	--	--	24
25	--	--	SPACE ONLY	0.0	0.0					SPACE ONLY	--	--	26
27	--	--	SPACE ONLY			0.0	0.0			SPACE ONLY	--	--	28
29	--	--	SPACE ONLY					0.0	0.0	SPACE ONLY	--	--	30
31	--	--	SPACE ONLY	0.0	0.0					SPACE ONLY	--	--	32
33	--	--	SPACE ONLY			0.0	0.0			SPACE ONLY	--	--	34
35	--	--	SPACE ONLY					0.0	0.0	SPACE ONLY	--	--	36
37	--	--	SPACE ONLY	0.0	0.0					SPACE ONLY	--	--	38
39	--	--	SPACE ONLY			0.0	0.0			SPACE ONLY	--	--	40
41	--	--	SPACE ONLY					0.0	0.0	SPACE ONLY	--	--	42
				48 kVA		48 kVA		48 kVA					
				175 A		175 A		175 A					

(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER NEC 427.22 DED. NEUTRAL.
(GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4-6mA PER NEC 210.8. DED. NEUTRAL.
(L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING.
(LC) = ROUTE TO LOAD VIA LIGHTING CONTACTOR, REF DETAIL ON DWG E4.X.
(ML) = PROVIDE BREAKER WITH MAINTENANCE LOCKOUT, LOCKABLE OFF.

PROVIDE STAINLESS STEEL COVER

Load Classification	Connected Load	Demand Factor	Estimated Demand
INTERIOR LIGHTING	0 VA	0.00%	0 VA
EXTERIOR LIGHTING	0 VA	0.00%	0 VA
RECEPTACLES	0 VA	0.00%	0 VA
AC / HEAT PUMP	0 VA	0.00%	0 VA
ELECTRIC HEAT	0 VA	0.00%	0 VA
KITCHEN	145258 VA	90.00%	130732 VA
MISCELLANEOUS	0 VA	0.00%	0 VA

Panel Totals

Total Conn. Load: 145.3 kVA
Total Est. Demand: 130.7 kVA
Total Conn. Current: 175 A
Total Est. Demand... 157 A

PANELBOARD SCHEDULE XL1A

LOCATION: ELEC A124 | FED FROM: XL

100 AMP MLO | 120/208 Wye | 3 PH 4 W | MOUNT: SURFACE | PANEL ASSEMBLY RATED (KAIC): 10 KAIC

CKT	BRKR	POLE	LOAD	A		B		C		LOAD	POLE	BRKR	CKT
1	20 A	1	AUTO DOOR	0.5	0.5					AUTO DOOR	1	20 A	2
3	20 A	1	DOOR ELECTRIC LOCKS			0.3	0.5			RESCUE MASTER CONSOLE	1	20 A	4
5	20 A	1	GENERATOR ANN PANEL-RM...					0.5	1.2	OVERHEAD ROLLING GATE -...	1	20 A	6
7	20 A	1	OVERHEAD ROLLING GATE -...	1.2	0.2					FIRE ALARM NAC PANEL - RM...	1	20 A	8
9	20 A	1	SPARE			0.0	0.0			SPARE	1	20 A	10
11	20 A	1	SPARE					0.0	0.0	SPARE	1	20 A	12
13	20 A	1	SPARE	0.0	0.0					SPARE	1	20 A	14
15	--	--	SPACE ONLY			0.0	0.0			SPACE ONLY	--	--	16
17	--	--	SPACE ONLY					0.0	0.0	SPACE ONLY	--	--	18
19	--	--	SPACE ONLY	0.0	0.0					SPACE ONLY	--	--	20
21	--	--	SPACE ONLY			0.0	0.0			SPACE ONLY	--	--	22
23	--	--	SPACE ONLY					0.0	0.0	SPACE ONLY	--	--	24
				2 kVA		1 kVA		2 kVA					
				21 A		7 A		15 A					

(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER NEC 427.22 DED. NEUTRAL.
(GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4-6mA PER NEC 210.8. DED. NEUTRAL.
(L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING.
(LC) = ROUTE TO LOAD VIA LIGHTING CONTACTOR, REF DETAIL ON DWG E4.X.
(ML) = PROVIDE BREAKER WITH MAINTENANCE LOCKOUT, LOCKABLE OFF.

Load Classification	Connected Load	Demand Factor	Estimated Demand
INTERIOR LIGHTING	0 VA	0.00%	0 VA
EXTERIOR LIGHTING	0 VA	0.00%	0 VA
RECEPTACLES	0 VA	0.00%	0 VA
AC / HEAT PUMP	0 VA	0.00%	0 VA
ELECTRIC HEAT	0 VA	0.00%	0 VA
KITCHEN	0 VA	0.00%	0 VA
MISCELLANEOUS	4860 VA	100.00%	4860 VA

Panel Totals

Total Conn. Load: 4.9 kVA
Total Est. Demand: 4.9 kVA
Total Conn. Current: 13 A
Total Est. Demand... 13 A

PANELBOARD SCHEDULE ELK

LOCATION: KITCHEN C136 | FED FROM: EL

250 AMP MLO | 120/208 Wye | 3 PH 4 W | MOUNT: RECESSED | PANEL ASSEMBLY RATED (KAIC): 10 KAIC

CKT	BRKR	POLE	LOAD	A		B		C		LOAD	POLE	BRKR	CKT
1	20 A	1	ITEM 2A - KITCHEN C136	0.9	0.2					ITEM 2B - KITCHEN C136	1	20 A	2
3	20 A	3	ITEM 2C - KITCHEN C136			1.1	1.4			ITEM 3A - KITCHEN C136	1	20 A	4
5								1.1	0.2	ITEM 3B - KITCHEN C136	2	20 A	6
7				1.1	0.2								8
9	20 A	2	ITEM 3B - KITCHEN C136			1.5	1.4						10
11								1.5	1.4	ITEM 3C - KITCHEN C136	3	40 A	12
13	20 A	1	ITEM 9 - KITCHEN C136 (GP)	1.8	1.4								14
15	20 A	1	ITEM 10 - KITCHEN C136(GP)			0.8	2.3			ITEM 12- KITCHEN C136(GP)	1	25 A	16
17	20 A	1	ITEM 20 - KITCHEN C136(GP)					1.7	1.4	ITEM 21 - KITCHEN C136(GP)	1	20 A	18
19	20 A	1	ITEM 24 - KITCHEN C136(GP)	1.8	1.8					ITEM 27-1 - KITCHEN C136(GP)	1	20 A	20
21	20 A	1	ITEM 27-2 - KITCHEN C136(GP)			1.8	1.8			ITEM 27-3 - KITCHEN C136(GP)	1	20 A	22
23	20 A	1	ITEM 27-4 - KITCHEN C136(GP)					1.8	1.4	ITEM 34A - KITCHEN C136	1	20 A	24
25	20 A	1	ITEM 34C- KITCHEN C136	1.4	1.4					ITEM 34D - KITCHEN C136	1	20 A	26
27	20 A	2	ITEM 36-1 - KITCHEN C136			1.6	1.6			ITEM 36-2 - KITCHEN C136	2	20 A	28
29								1.6	1.6				30
31	20 A	2	ITEM 36-3 - KITCHEN C136	1.6	1.3					ITEM 37-1 - KITCHEN C136	1	20 A	32
33						1.6	1.3			ITEM 37-2 - KITCHEN C136	1	20 A	34
35	20 A	1	ITEM 37-3 - KITCHEN C136					1.3	0.7	ITEM 38-1 - KITCHEN C136(GP)	1	20 A	36
37	20 A	1	ITEM 38-2 - KITCHEN C136(GP)	0.7	0.7					ITEM 38-3 - KITCHEN C136(GP)	1	20 A	38
39	20 A	1	ITEM 38-4 - KITCHEN C136(GP)			0.7	2.0			ITEM 39-1 - KITCHEN C136(GP)	2	30 A	40
41	30 A	2	ITEM 39-2 - KITCHEN C136(GP)					2.0	2.0				42
43				2.0	2.0					ITEM 39-3 - KITCHEN C136(GP)	2	30 A	44
45	20 A	1	ITEM 41-1 - KITCHEN C136(GP)			0.3	2.0						46
47	20 A	1	ITEM 41-2- KITCHEN C136(GP)					0.3	0.3	ITEM 41-3 - KITCHEN C136(GP)	1	20 A	48
49	20 A	1	ITEM 43-1 - KITCHEN C136(GP)	1.2	1.2					ITEM 43-2 - KITCHEN C136(GP)	1	20 A	50
51	20 A	1	ITEM 43-3 - KITCHEN C136(GP)			1.2	1.2			ITEM 44-1 - KITCHEN C136(GP)	1	20 A	52
53	20 A	1	ITEM 44-2 - KITCHEN C136(GP)					1.2	1.2	ITEM 44-3 - KITCHEN C136(GP)	1	20 A	54
55	20 A	2	ITEM 47 - KITCHEN C136	1.0	0.1					ITEM 48 - KITCHEN C136(GP)	1	20 A	56
57						1.0	1.2			ITEM 52 - KITCHEN C136(GP)	1	20 A	58
59	20 A	1	ITEM 53 - KITCHEN C136(GP)					1.4	1.2	ITEM 55 - KITCHEN C136(GP)	1	20 A	60
61	20 A	1	ITEM 63 - KITCHEN C136(GP)	1.8	2.5					ITEM 64 - KITCHEN C136	2	20 A	62
63	20 A	1	RECS- RM C132- C136			1.8	2.5						64
65	20 A	1	RECS -RM C126, C136, C131					1.1	0.0	SPARE	1	20 A	66
67				3.0	0.0					SPARE	1	20 A	68
69	50 A	3	E-35(ML)			3.0	0.0			SPARE	1	20 A	70
71								3.0	0.0	SPARE	1	20 A	72
73	20 A	1	SPARE	0.0	0.0					SPARE	1	20 A	74
75	20 A	1	SPARE			0.0	0.0			SPARE	1	20 A	76
77	20 A	1	SPARE					0.0	0.0	SPARE	1	20 A	78
79	--	--	SPACE ONLY	0.0	0.0					SPACE ONLY	--	--	80
81	--	--	SPACE ONLY			0.0	0.0			SPACE ONLY	--	--	82
83	--	--	SPACE ONLY					0.0	0.0	SPACE ONLY	--	--	84
				31 kVA		35 kVA		29 kVA					
				263 A		295 A		244 A					

(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER NEC 427.22 DED. NEUTRAL.
(GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4-6mA PER NEC 210.8. DED. NEUTRAL.
(L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING.
(LC) = ROUTE TO LOAD VIA LIGHTING CONTACTOR, REF DETAIL ON DWG E4.X.
(ML) = PROVIDE BREAKER WITH MAINTENANCE LOCKOUT, LOCKABLE OFF.

PROVIDE STAINLESS STEEL COVER

Load Classification	Connected Load	Demand Factor	Estimated Demand
INTERIOR LIGHTING	0 VA	0.00%	0 VA
EXTERIOR LIGHTING	0 VA	0.00%	0 VA
RECEPTACLES	2880 VA	100.00%	2880 VA
AC / HEAT PUMP	13407 VA	100.00%	13407 VA
ELECTRIC HEAT	0 VA	0.00%	0 VA
KITCHEN	72380 VA	65.00%	47047 VA
MISCELLANEOUS	6852 VA	100.00%	6852 VA

Panel Totals

Total Conn. Load: 95.5 kVA
Total Est. Demand: 70.2 kVA
Total Conn. Current: 265 A
Total Est. Demand... 195 A

PANELBOARD SCHEDULE XL1B

LOCATION: ELEC-1 B117-1 | FED FROM: XL

100 AMP MLO | 120/208 Wye | 3 PH 4 W | MOUNT: SURFACE | PANEL ASSEMBLY RATED (KAIC): 10 KAIC

CKT	BRKR	POLE	LOAD (*AD 01)	A		B		C		LOAD	POLE	BRKR	CKT
1	20 A	1	FACP- RM B117	0.5	0.3					DOOR ELECTRIC LOCKS	1	20 A	2
3	20 A	1	DOOR ELECTRIC LOCKS			0.2	1.2			OVERHEAD ROLLING GATE -...	1	20 A	4
5	20 A	1	OVERHEAD ROLLING GATE -...					1.2	1.2	OVERHEAD ROLLING GATE -...	1	20 A	6
7	20 A	1	OVERHEAD ROLLING GATE -...	1.2	1.2					OVERHEAD ROLLING GATE -...	1	20 A	8
9	20 A	1	SPARE			0.0	0.0			SPARE	1	20 A	10
11	20 A	1	SPARE					0.0	0.0	SPARE	1	20 A	12
13	20 A	1	SPARE	0.0	0.0					SPARE	1	20 A	14
15	--	--	SPACE ONLY			0.0	0.0			SPARE	1	20 A	16
17	--	--	SPACE ONLY					0.0	0.0	SPACE ONLY	--	--	18
19	--	--	SPACE ONLY	0.0	0.0					SPACE ONLY	--	--	20
21	--	--	SPACE ONLY			0.0	0.0			SPACE ONLY	--	--	22
23	--	--	SPACE ONLY					0.0	0.0	SPACE ONLY	--	--	24
				3 kVA		1 kVA		2 kVA					
				28 A		12 A		21 A					

(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER NEC 427.22 DED. NEUTRAL.
(GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4-6mA PER NEC 210.8. DED. NEUTRAL.
(L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING.
(LC) = ROUTE TO LOAD VIA LIGHTING CONTACTOR, REF DETAIL ON DWG E4.X.
(ML) = PROVIDE BREAKER WITH MAINTENANCE LOCKOUT, LOCKABLE OFF.

Load Classification	Connected Load	Demand Factor	Estimated Demand
INTERIOR LIGHTING	0 VA	0.00%	0 VA
EXTERIOR LIGHTING	0 VA	0.00%	0 VA
RECEPTACLES	0 VA	0.00%	0 VA
AC / HEAT PUMP	0 VA	0.00%	0 VA
ELECTRIC HEAT	0 VA	0.00%	0 VA
KITCHEN	0 VA	0.00%	0 VA
MISCELLANEOUS	6900 VA	100.00%	6900 VA

Panel Totals

Total Conn. Load: 6.9 kVA
Total Est. Demand: 6.9 kVA
Total Conn. Current: 19 A
Total Est. Demand... 19 A

XL	XL1C	EHK
XL1A	--	ELK
XL1B	--	--

MOSELEYARCHITECTS
3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

COMMONWEALTH OF VIRGINIA
BRIAN C. WELLS
Lic. No. 046269
01/24/2021
PROFESSIONAL ENGINEER

NEW PRINCE GEORGE ELEMENTARY SCHOOL
DOE PROJECT #: 074-38-00-100
PRINCE GEORGE COUNTY SCHOOLS
4700 ROMANS RD, PRINCE GEORGE, VA 23875

PROJECT NO: 592926
DATE: JANUARY 24, 2021

REVISIONS

DATE	DESCRIPTION
02/03/21	*AD 01

PANELBOARD SCHEDULES

E5.6

2/3/2021 1:31:16 PM