Walter M. Williams High School Bond Project Progress Report October 26, 2020

WALTER M. WILLIAMS HIGH SCHOOL BOND PROJECT PROGRESS REVIEW BOARD PRESENTATION

OCTOBER 26, 2020









1813 CHAPEL HILL ROAD DURHAM, NORTH CAROLINA (919) 493-5277 90 SOUTHSIDE AVENUE, SUITE 300 ASHEVILLE, NORTH CAROLINA (928) 255-4691

Base Bld

Main Entrance, Convert to secure control area for validating access need

Rear Entry Points, secure with electronic access control

HVAC, including Central Plant

Plumbing - Auditorium

Electrical (Auditorium House Lighting)

Structural - Distress in brick wall supporting stair

Arch - Auditorium, Toilets & Flooring

Arch - Auditorium Seating (Refurbish) *

Electrical (Service, Panels and Feeders)

Fire Alarm

Media Center Architectural Upgrades

Plumbing - Classroom Bldg. Ground Floor toilets for occupancy count

Architectural - Classroom Bldg. Ground Floor toilets for occupancy count

Alternates

Alternate 1, Main Floor and Second Floor Toilets (North)

Alternate 1, Arch

Alternate 1, Plumbing

Alternate 2, Main Floor and Second Floor Toilets (South)

Alternate 2, Arch

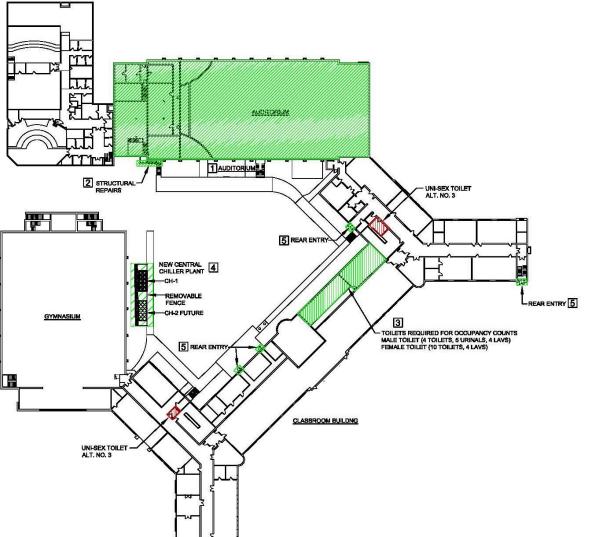
Alternate 2, Plumbing

Alternate 3. Ground Floor Toilets

Alternate 3. Arch

Alternate 3, Plumbing

* Alternate Auditorium Seating - Depending on cost of refurbishing vs. replacement of auditorium seats, seat replacement may become an alternate.



REAR ENTRY 5

WALTER M. WILLIAMS HIGH SCHOOL BOND PROJECT PROGRESS REVIEW BOARD PRESENTATION GROUND FLOOR

BID LEGEND

BASE BID

ALTERNATE BID NO. 1

ALTERNATE BID NO. 2

ALTERNATE BID NO. 3

SUMMARY OF WORK BY BID AND ALTERNATES

BASE BID

Auditorium Upgrades

A. Architectural

- Toilet Upgrade/Expansion Required for Occupancy Counts (Fixtures & Finishes)
- Flooring
- Seating (Refurbish)

B. HVAC - Replace DX systems with Chilled/Hot Water Air Handling Units

C.Plumbing - Tollet Upgrades

D.Electrical

- House Lighting
- Service Panels & Feeders
- E. Fire Alarm
- 2. Structural Repairs
- 3. Ground Floor Toilets Required for Occupancy Counts (Fixtures & Finishes)
- 4. Central Chiller Plant
- 5. Rear Entry Points Electronic Access Control

ALTERNATE BID NO. 3

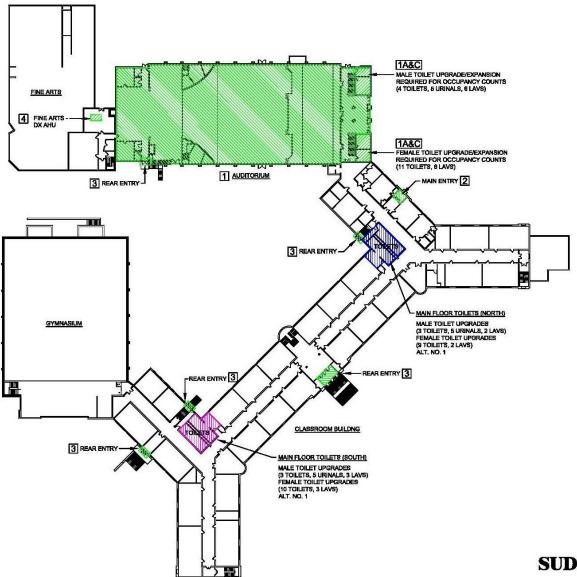
Ground Floor Uni-sex Toilet Upgrades (Fixtures & Finishes)

- Architectural
- Plumbing

SUD ASSOCIATES, P.A.

WILLIAMS HIGH SCHOOL - GROUND FLOOR

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WALTER M. WILLIAMS HIGH SCHOOL BOND PROJECT PROGRESS REVIEW BOARD PRESENTATION

MAIN FLOOR

BID LEGEND

MASE BID

ALTERNATE BID NO. 1

ALTERNATE BID NO. 2

ALTERNATE BID NO. 3

SUMMARY OF WORK BY BID AND ALTERNATES

BASE BID

1. Auditorium Upgrades

A. Architectural

- Toilet Upgrade/Expansion Required for Occupancy Counts (Fixtures & Finishes)
- Flooring
- Seating (Refurbish)
- B. HVAC Replace DX Systems with Chilled/Hot Water Air Handling Units
- C. Plumbing Toilet Upgrades

D. Electrical

- House Lighting
- Service Panels & Feeders

E. Fire Alarm

- 2. Main Entrance Security Control Area
- 3. Rear Entry Points Electronic Access Control
- 4. Fine Arts Replace DX Air Handling Unit with Chilled/Hot Water Air Handling Unit

ALTERNATE BID NO. 1

Main Floor Toilets (North) Upgrades (Fixtures & Finishes)

- Architectural
- Plumbing

ALTERNATE BID NO. 2

Main Floor Toilets (South) Upgrades (Fixtures & Finishes)

- Architectural
- Plumbing



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WILLIAMS HIGH SCHOOL - MAIN FLOOR

MALE TOILET UPGRADEREQUIRED FOR (1 TOILETS, 1 URINALS, 2 LAVS) 1A&C FEMALE TOILET UPGRADE (2 TOILETS, 2 LAVS) 1 AUDITORIUM 2 MEDIA CENTER SECOND FLOOR TOILETS (NORTH) MALE TOILET UPGRADES (3 TOILETS, 6 URINALS, 4 LAVS) FEMALE TOILET UPGRADES **GYMNASIUM** (11TOILETS, 4 LAVS) ALT. NO. 2 CLASSROOM BUILDING SECOND FLOOR TOILETS (SOUTH) MALE TOILET UPGRADES (3 TOILETS, 6 URINALS, 3 LAVS) FEMALE TOILET UPGRADES (11 TOILETS, 3 LAVS) ALT. NO. 2

WILLIAMS HIGH SCHOOL - SECOND FLOOR

WALTER M. WILLIAMS HIGH SCHOOL BOND PROJECT PROGRESS REVIEW BOARD PRESENTATION SECOND FLOOR

BID LEGEND

BASE BID

ALTERNATE BID NO. 1
ALTERNATE BID NO. 2

ALTERNATE BID NO. 3

SUMMARY OF WORK BY BID AND ALTERNATES

BASE BID

1. Auditorium Upgrades

A. Architectural

- Tollet Upgrade/Expansion Required for Occupancy Counts (Fixtures & Finishes)
- Flooring
- Seating (Refurbish)

B. HVAC - Replac DX Systems with Chilled/Hot Water Air Handling Units

C.Plumbing - Tollet Upgrades

D. Electrical

- House Lighting
- Service Panels & Feeders

E. Fire Alarm

2. Media Center - Architectural Upgrades

- Demolish Existing Carpet
- New LVT Floor Tiles and New Rubber Base (Owner's Preference Over New Carpet)
- New Acoustical Wall Panels and/or Acoustical Panels Suspended from the Ceiling

ALTERNATE BID NO. 1

Second Floor Toilets (North) Upgrades (Fixtures & Finishes)

- Architectural
- Plumbing

ALTERNATE BID NO. 2

Second Floor Toilets (South) Upgrades (Fixtures & Finishes)

- Architectural
- Plumbing



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Model 91.12.119.12 Millennium



No. 91 Millennium

- . the Millennium comes standard with 2" thick back poly
- nominal back height is 34"
- · rear panel of the No. 91 back is one-piece injection molded, high impact HDPE
- · inner upholstery panel is constructed of 5-ply, 7/16" plywood
- · back wings are formed from 14 gauge steel
- · available in 15 standard plastic colors
- available with an optional lumbar support
- available with tufted cover



No. 12 Universal Seat

- . The No. 12 Seat is available in a serpentine spring support component or with an ergonomic substrate and formed poly
- The foundation is injection molded, glass filled polyethylene which is especially strong but not brittle
- The No. 12 Seat passes the 600 lb. static load test and surpasses 300,000 cycles without failure in the ASTM-851-87 Test Method for Self Rising Seat Mechanisms
- · Cover utilizes drawstring construction for an unwrinkled appearance and ease of
- Seat pivot is covered to prevent tampering
 Available in full fold, 3/4 fold (standard) or 1/2 fold options
- Available in 15 standard plastic colors
- available with decorative wood veneer or upholstered bottom inserts
- Available with underseat book box

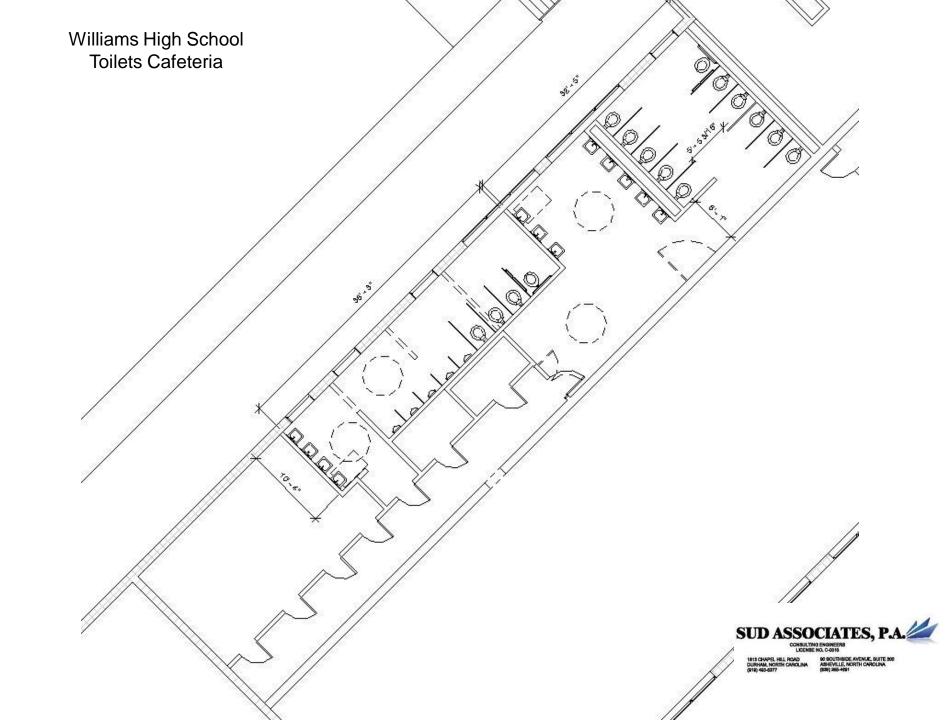
No. 119 Deco Aisle Standard

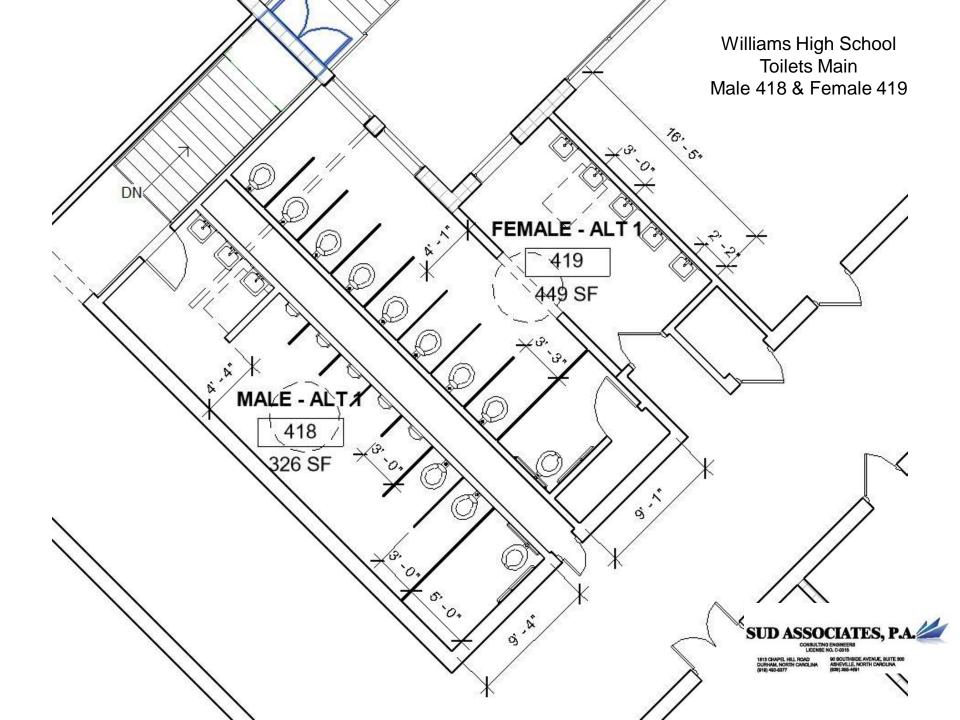
- formed from class 25 grey iron
- solid wood arms
- available with concealed LED aisle lights
- available for floor mounting only

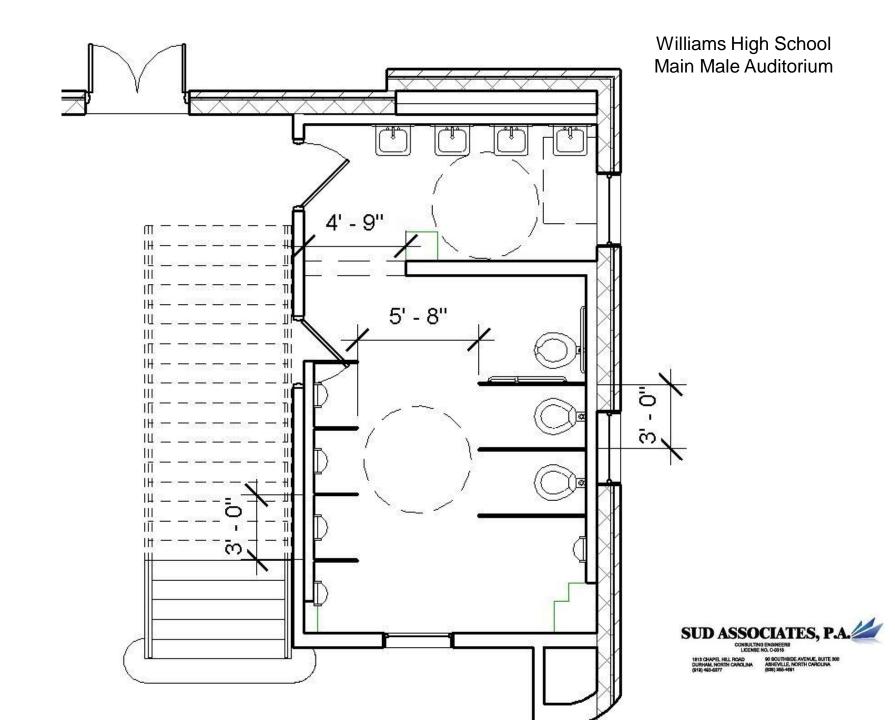
- No. 12 Chair Platform formed from class 25 grey iron
- · floor or riser mounted
- · available with solid wood (stained or laminate surfaced) cupholder armrests or black, blow mold arms
- · available in 15 standard powder coat colors

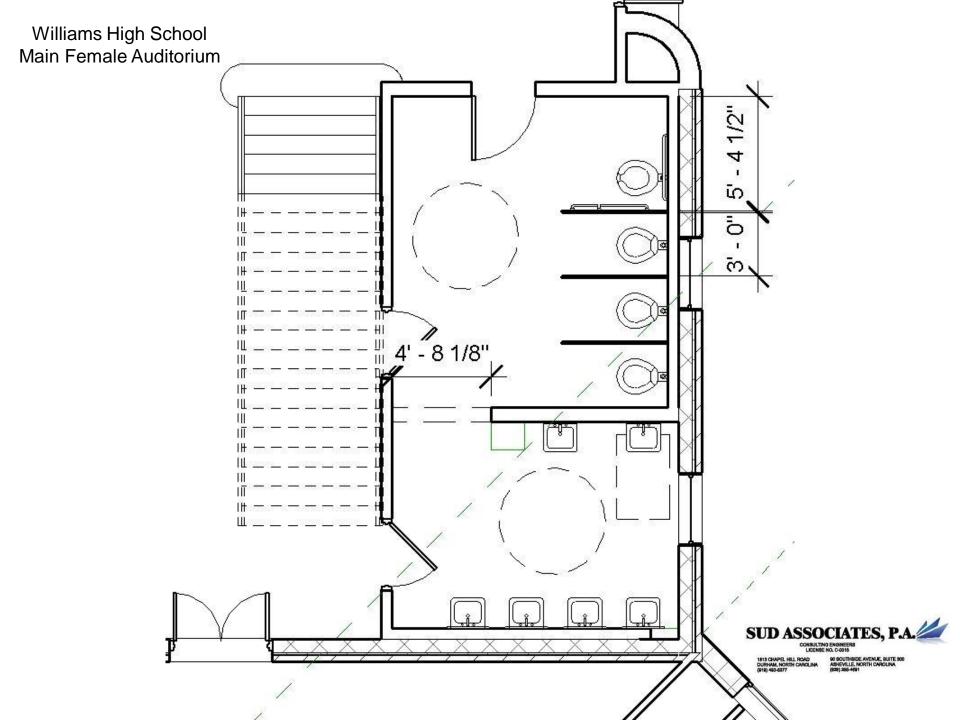
Williams High School Typical New Seat for Auditorium











VTS America Inc.

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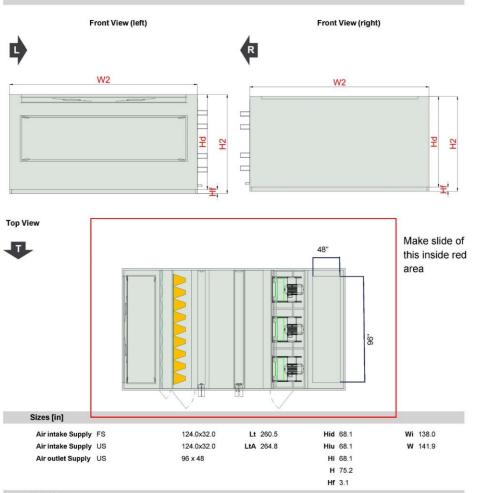
kevin.lance@vtsgroup.com



Technical data for item 1

Offer number

355C/LIVE.USA/KL/2020-20



Unit design

Concealed Skeleton Design – all framework is inside the unit, unexposed to ambient air and secure against thermal-bridging and condensation.

Casing mechanical strength (deflection): -10 in WC to +10 in WC: L=1/300 (model box EN 1886)

Casing Air Leakage: -1.6 in WC: 0.009 CFM/ft2; +2.8 in WC: 0.026 CFM/ft2









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Williams High School

AHU Overview



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