



**CONSTRUCTION**



# **Dover High School and Career Technical Center**

## **Monthly Construction Report No. 10**



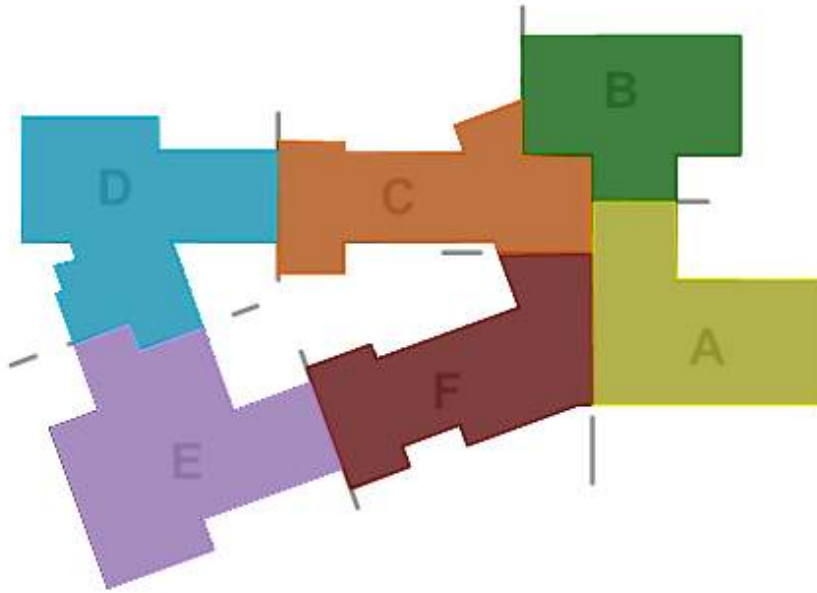
**July 7, 2017**

**TABLE OF CONTENTS**

- A. Executive Summary
  - 1. Construction Documents Area Breakout Plan
  - 2. Construction Progress Highlights
  - 3. Critical Issues
  - 4. Summary
  
- B. Construction Status
  - 1. Schedule Building Phase Plan
  - 2. Monthly Construction Schedule Update
  - 3. 3-Week Look Ahead Schedule
  - 4. Schedule Impacts
  - 5. Progress Photos
  
- C. Design Coordination
  - 1. RFI's
  - 2. Submittals
  - 3. Architectural Supplemental Instructions
  
- D. Safety
  - 1. Safety Status
  
- E. Project Financial Status
  - 1. Procurement Update
  - 2. Current Contract Summary
  - 3. Change Order Management
  - 4. Contingency Usage
  - 5. Allowance Usage
  - 6. Billed to Date

**A. Executive Summary:**

**1. Construction Documents Area Breakout Plan**



- ▶ Area A
  - Ground - Auditorium, Band, Food Service
  - First - Culinary Kitchen/Dining
  - Second - CTC Labs/Classrooms, Staff Dining
- ▶ Area B
  - Ground - Gymnasium, Alt PE, Locker Rooms
  - First - CTC Salon, Labs
  - Second - Life Sciences
- ▶ Area C
  - Ground - MEP, Weight Room, Team rooms, Marketing
  - First - Library, SPED, NJROTC, Offices, Guidance
  - Second - Business CR's, SPED CR's, Typical CR's
- ▶ Area D
  - Ground - N/A
  - First - Building Construction, Electrical, Wood Working, Typical CR's, Art
  - Second - Typical CR's, Sciences & Labs
- ▶ Area E
  - Ground - N/A
  - First - Typical CR's, Photography, Earth Science, Welding, Auto, CTE Offices/Admin
  - Second - Typical CR's, Sciences & Labs
- ▶ Area F
  - Ground - Town Square
  - First - SPED CR's, Pre-Engineering, Photo, Typical CR's, Admin, Nurse, Main Entry
  - Second - Computer, Typical CR's

2. Construction Progress Highlights

- Steel erection is complete
- Slabs in Area F are complete
- Masonry for the Auditorium and Gymnasium is complete
- Courtyard Masonry has begun
- Interior fireproofing is complete
- Interior framing in Areas D & F are on-going
- Interior piping, ductwork and electrical are on-going
- Roof membrane installation is complete

3. Critical Issues

- We have received all updated documents and are reviewing for impacts. The weather has been an issue. The rain has prevented the installation of the waterproofing on the exterior which is impacting the masonry.

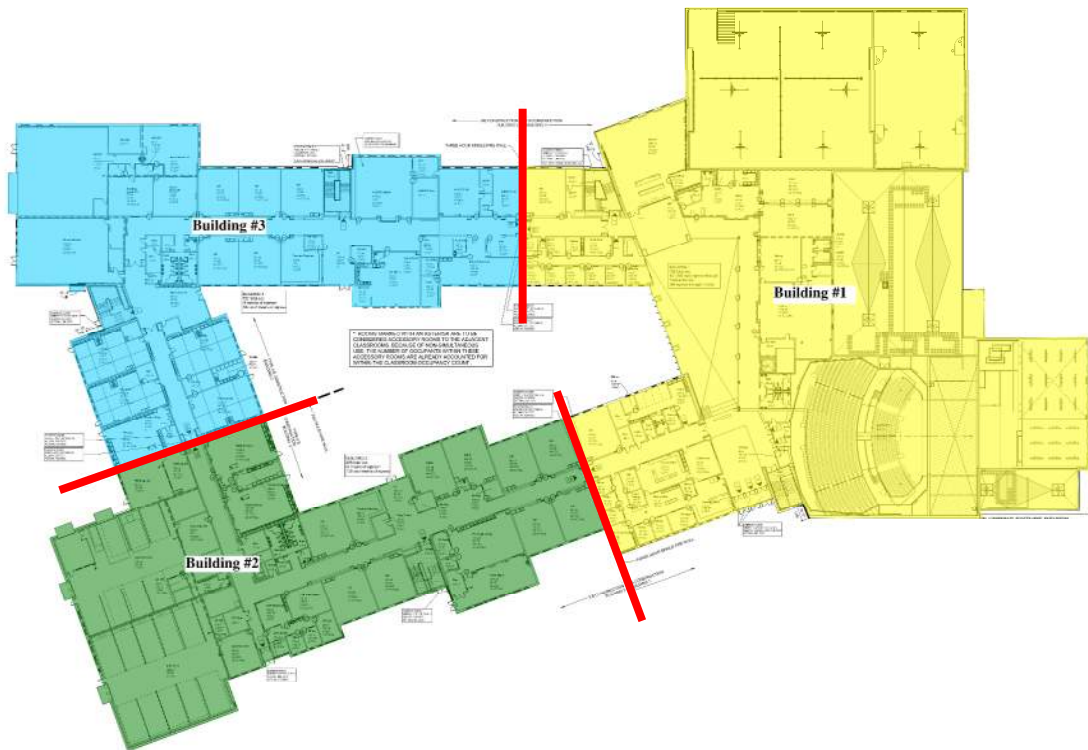
4. Summary

- The project is currently proceeding smoothly. Safety has been good to date.

B. Construction Status:

1. Schedule Phase Plan

- For scheduling purposes, the building is separated into three areas – Building 1, Building 2 and Building 3. These are defined as separate areas separated by a fire rated expansion joint.



2. Monthly Schedule Update – 6/12/17 update provided.

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3. Three-Week Look Ahead Schedule – Distributed weekly
4. Schedule Impacts
  - Analyzing impact of rainy weather on exterior waterproofing.
  - Analyzing impact of pending drawing updates due to Fire Marshall revisions.
5. Progress Photos
  - Main Entrance & Stair #1



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- Auditorium and Music Masonry



- Main Entrance and Admin Sheathing



- Gymnasium East Elevation



- Town Square



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- Courtyard Area C Masonry



- Student Message





**C. Design Coordination:**

1. RFI Status
  - Submitted (451)
  - Open (11)
  - Critical (01)
2. Submittals
  - Submitted (700)
  - Open (50)
  - Critical (00)
3. ASI's & PR's
  - Issued (104)

**D. Safety Update:**

1. PC has a site specific safety program in place for this project. Every worker who comes on site is required to be oriented to the project rules and expectations. Safety has been good to date.

PC's on-site safety specialist does a weekly audit and provide the team with a safety score from 0 to 100. Below are the most recent scores.

Week of 6/5/17 = 48 (Safety Recovery Plan Completed With All Subcontractors)

Week of 6/12/17 = 88

Week of 6/19/17 = 82

Week of 6/26/17 = 88

**E. Project Financial Status:**

1. Procurement Update: Letters of Recommendation (LOR's) Issued and Signed
  - 02.01 Demolition & Asbestos Abatement \$ 2,193,895
  - 03.01A Concrete Foundations \$ 1,800,000
  - 03.01B Concrete Flatwork \$ 2,019,559
  - 04.01 Masonry \$ 3,450,000
  - 05.01 Structural Steel \$ 6,400,000
  - 05.02 Miscellaneous Metals \$ 755,350
  - 06.01A Architectural Millwork \$ 409,199
  - 06.01B Laboratory Equipment \$ 159,090
  - 06.01C Laboratory Casework \$ 989,575
  - 07.01 Below Grade Waterproofing \$ 41,600
  - 07.01 Air & Vapor Barrier \$ 445,770
  - 07.02 Roofing and Flashing \$ 1,770,000
  - 07.03 Applied Fireproofing \$ 328,320
  - 07.05 Firestopping \$ 54,750
  - 08.01 Doors, Frames & Hardware \$ 570,897
  - 08.02 Windows, Storefront & Curtainwall \$ 2,935,827

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• 08.03 Overhead Doors	\$ 64,000
• 09.01 Metal Stud Framing & Drywall	\$ 5,550,000
• 09.02 Acoustical Ceilings	\$ 574,473
• 09.02 Acoustical Wall Panels	\$ 371,000
• 09.03 Ceramic Tile	\$ 640,000
• 09.03 Resilient Flooring	\$ 953,000
• 09.04 Stage and Gymnasium Flooring	\$ 159,000
• 09.05 Resilient Athletic Flooring	\$ 49,000
• 09.06 Painting	\$ 600,000
• 10.01 Miscellaneous Accessories	\$ 601,678
• 11.01 Kitchen Equipment	\$ 467,822
• 11.03 Stage Rigging & Curtains	\$ 320,000
• 11.04 Athletic Equipment	\$ 132,400
• 12.01 Window Treatments	\$ 76,700
• 12.02 Gymnasium and Auditorium Seating	\$ 261,823
• 14.01 Elevators	\$ 211,131
• 21.01 Fire Protection	\$ 540,000
• 23.01 Plumbing	\$ 2,490,000
• 23.01 Ductwork	\$ 2,645,270
• 23.01 Mechanical	\$ 2,241,750
• 23.01 Testing & Balancing	\$ 77,300
• 23.02 Automatic Temperature Controls	\$ 761,465
• 23.04 Condensing Boilers	\$ 99,108
• 23.05 Air Handling Equipment & Chiller	\$ 1,690,000
• 26.01 Electrical, Telecom & Security	\$ 6,784,800
• 31.01 Sitework	\$ 4,546,082
• 31.02 Rammed Aggregate Piers	\$ 285,917
• 31.03 Turf Field	\$ 417,250
• 32.02 Fencing	\$ 128,881
• 03.2A Courtyard Concrete	\$ 241,600
• 32.1A Courtyard Landscaping	\$ 85,020

○ Total to Date \$55,569,482

2. Current Contract Summary

• Base Contract:	\$71,643,000
• Approved Changes thru CO #6	\$ 862,789
• Current Contract amount:	\$72,505,789

3. Change Order Management:

Previously Approved Proposals	\$ 862,789
Proposals to be included in CO No. 7:	
• 190032R2	\$ 18,484
• 190049	\$ 0
• 190054	\$ 0

Dover HS & CTC - Monthly Report for June, 2017

• 190057	\$	0
• 190070	\$	0
• 190092	\$	2,209
• 190104R2	\$	1,964
• 190107	(\$	7,225)
• 190114	\$	972
• 190116	\$	2,738
• 190117R1	\$	2,282
• Total	\$	884,213

4. Contingency Usage

• Carried:	\$	1,700,000
• Committed to Date:	\$	859,125
• Remaining:	\$	840,875

5. Allowance Status

	<u>Used</u>	<u>Remaining</u>
• Hazardous Abatement	\$ 2,241	\$ 1,089,759
• Animal Science Building	\$36,358	\$ 1,163,642
• Climbing Wall	\$0	\$ 35,000

6. Application for Payment Status

• Requisitioned to Date Thru #13	\$27,904,039
• Current Retained Amount	\$ 1,115,304
• Remaining to be Billed	\$45,717,054