



SAINT CLOUD TECH HIGH SCHOOL

School Board Workshop 08.01.2018





AGENDA

- Furniture and Technology Process Update
- Concessions Building Overview
- Scoreboard Overview
- Budget/Financial Overview
- Construction Update

FURNITURE AND TECHNOLOGY PROCESS

HOW WE GOT TO WHERE WE ARE

Technology

- Plans for Technology in the building were developed along with the building design and in programming meetings with staff and administration
- Technology was coordinated with District Technology Standards
- District wide RFP for security went out, All State won the project
- AV Systems to go out for bid this Fall
- Contractor on board by Jan. 2019

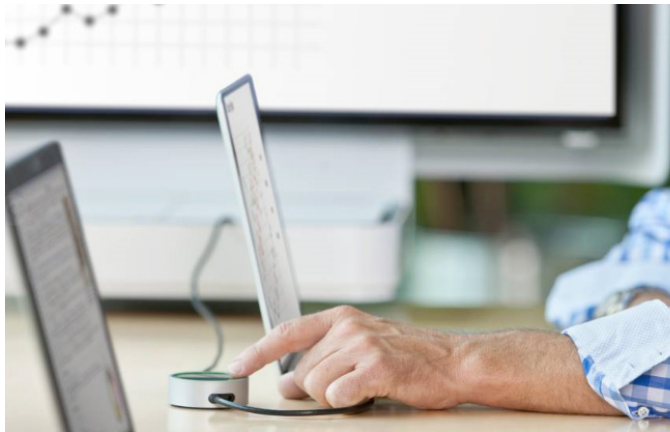
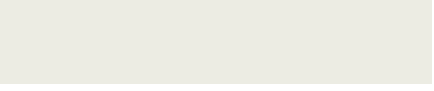


Technology

St. Cloud Tech High School
Technology Estimate

January 2018

Location	Quantity	Unit Cost	Extended Cost
Learning Studio	42	\$ 17,830	\$ 748,860
Fixed Science Room	2	\$ 14,950	\$ 29,900
Med Group Room	13	\$ 9,900	\$ 128,700
Small Group Room	12	\$ 8,850	\$ 106,200
EBD Rooms	2	\$ 11,300	\$ 22,600
Fab Labs	2	\$ 11,300	\$ 22,600
Demo Labs	1	\$ 11,300	\$ 11,300
DCD Rooms	2	\$ 11,300	\$ 22,600
Student Commons	1	\$ 45,000	\$ 45,000
Gym	1	\$ 72,000	\$ 72,000
Practice Gym	1	\$ 32,000	\$ 32,000
Team Flex Room	2	\$ 16,000	\$ 32,000
Pool/Pool Deck	1	\$ 16,000	\$ 16,000
Fitness	1	\$ 6,000	\$ 6,000
Art	2	\$ 14,950	\$ 29,900
Choir	1	\$ 22,000	\$ 22,000
Drama Room	2	\$ 11,300	\$ 22,600
Dressing Room	2	\$ 7,500	\$ 15,000
Band	1	\$ 22,000	\$ 22,000
Orchestra	1	\$ 22,000	\$ 22,000
Tiger Pride Room	1	\$ 11,300	\$ 11,300
Large Conf. Room	1	\$ 13,400	\$ 13,400
Small Conf. Room	1	\$ 11,300	\$ 11,300
Guidance	1	\$ 4,500	\$ 4,500
Flexible Science	6	\$ 14,950	\$ 89,700
Design Lab	1	\$ 14,950	\$ 14,950
Production Lab	1	\$ 14,950	\$ 14,950
Health Lab	1	\$ 14,950	\$ 14,950
Hallway Paging	1	\$ 250,000	\$ 250,000
DSP & Controls	1	\$ 150,000	\$ 150,000
Video Signage	1	\$ 86,000	\$ 86,000
Auditorium	1	\$ 300,000	\$ 300,000
Building Wide Technology (Audio, wireless, etc.)			\$ 200,000
Subtotal			\$ 2,590,310
Contingency	10%		\$ 259,031
Total			\$ 2,849,341



Design Concepts and Finishes

Student and Staff Furniture Workshop – February 26th

Met with staff in the morning and students in the afternoon for a couple of hours each

What happened:

- Groups provided information on key characteristics of what the school as a whole should feel, look like, and function



Student and Staff Furniture Workshop – February 26th

Important Takeaways:

- Staff Valued -

- Functional
- Safe
- Accessibility
- Collaborative
- Flexible
- Space

- Students' Valued -

- Functional
- Safe
- Comfortable
- Clean
- Modern
- Technology (balance - less/more)



Round 1 Sub-Group Furniture Programming Meetings – March 27th - 28th

Met with sub-groups:

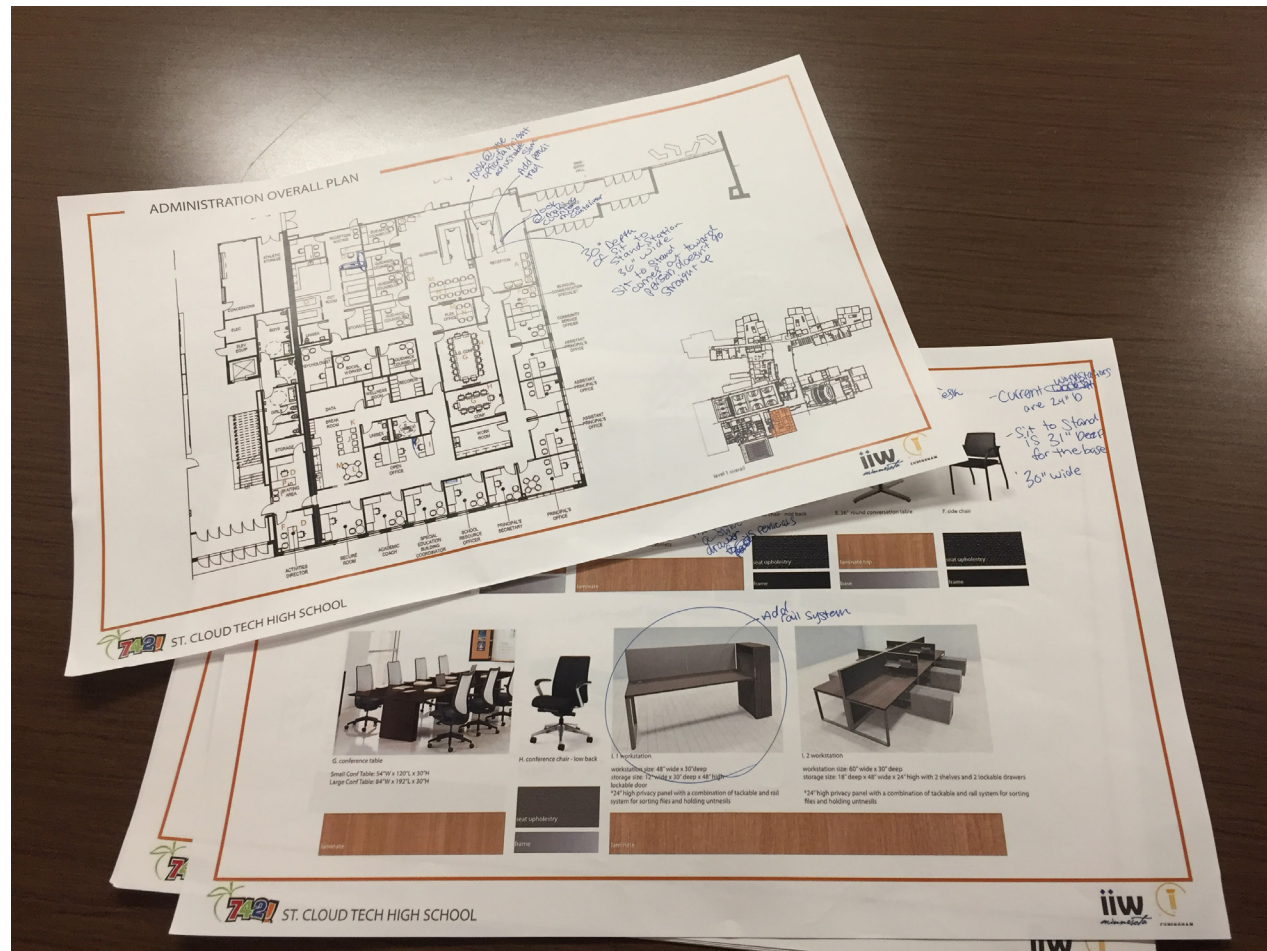
- Admin and Athletic Offices
- Media Commons
- Building Services
- General Learning
- Science
- CTE
- Music and Theater
- SPED



Round 1 Sub-Group Furniture Programming Meetings – March 27th - 28th

What happened at each sub-group meeting:

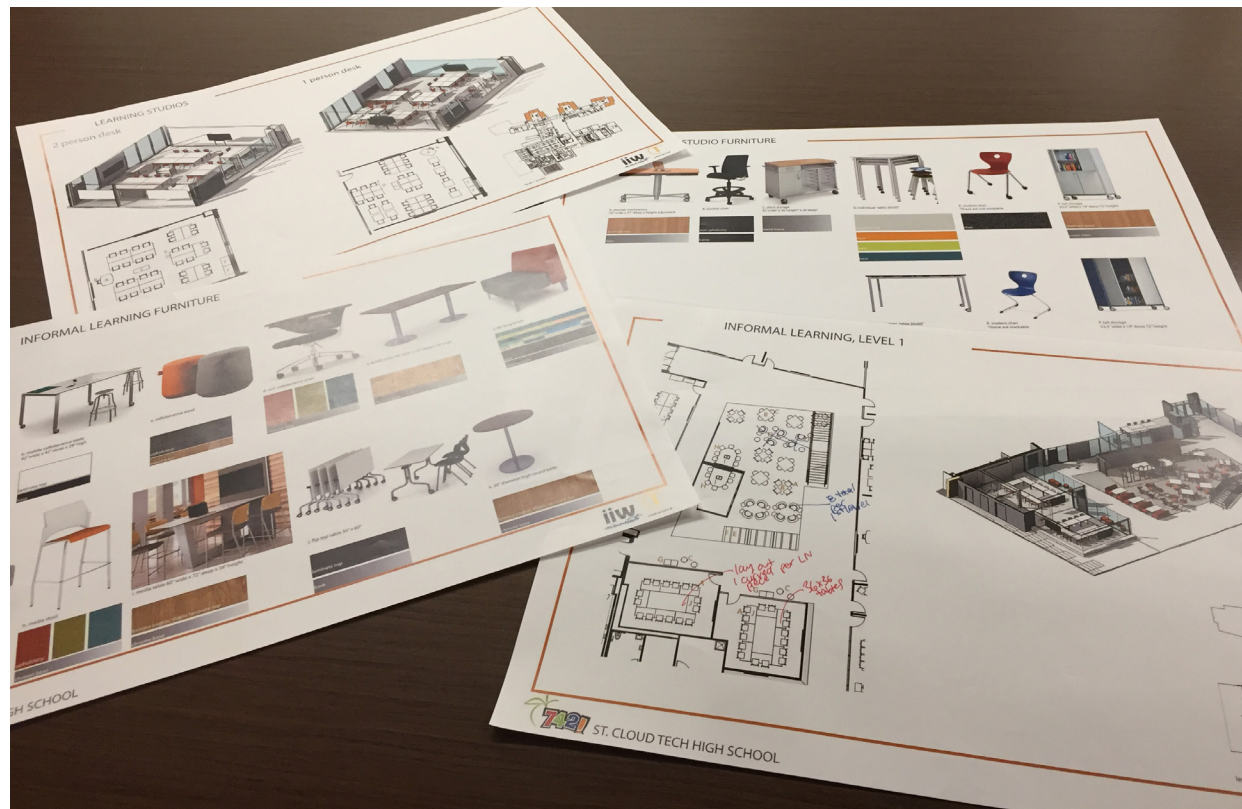
- Two options were presented for each sub-group. The options included furniture layouts, views of the spaces, and furniture examples.
- Options based off of Feb. 26th Staff and Student Furniture Workshop Design and Development programming meetings Spring 2017
- Groups discussed pro's and con's of each piece providing approval and changes for next round of selections and quantities



Round 1 Sub-Group Furniture Programming Meetings – March 27th - 28th

Important Takeaways:

- Very important that spaces remain flexible
- Staff did not have a clear understanding about the amount of storage for classroom materials
- Important to have a balance of group and individual spaces throughout the school
- Value a consistent design aesthetic throughout
- Science Staff were concerned about the number of sinks and casework in some of the Flex Science Labs. A second set of meetings was held with Science Staff on March 28 and adjustments were made and included in the construction project.



Sit Tests May 14th – 18th

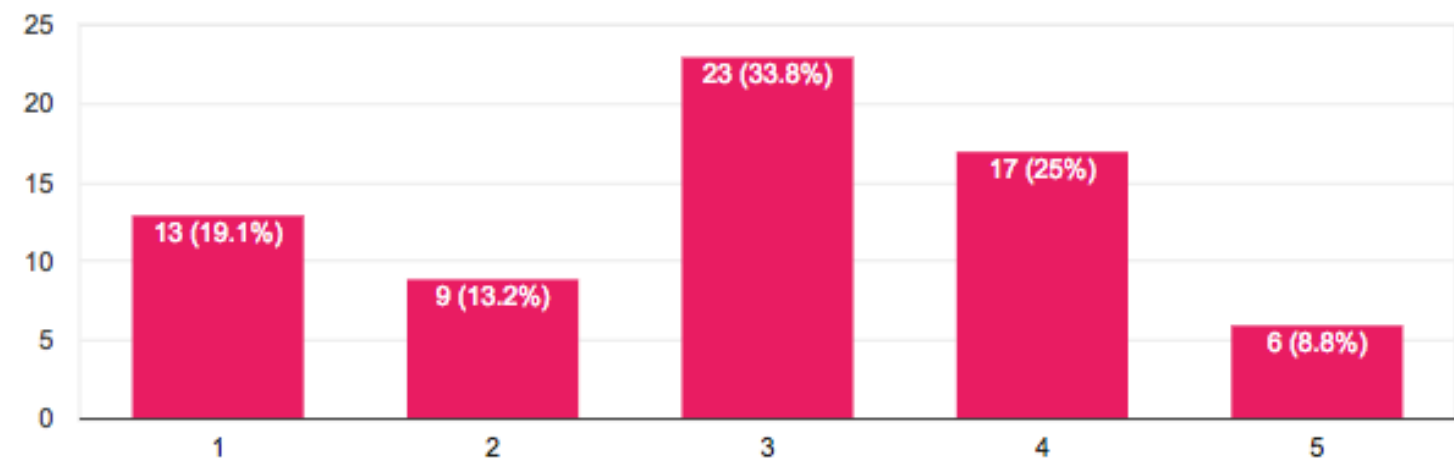
- Students and staff had 3 days to try out learning studio furniture and take a survey to record what they liked and didn't like
- Students and staff tried:
 - Student desks, ranged from 2 person/1 person sized, casters or glides
 - Student chairs, ranged from casters or glides, stiffness of seat vs. movement
 - Teacher mobile storage, range in size and options
 - Teacher mobile workstation
 - Teacher chair

2. Student Chair in Learning Studios - Compass chair – 18" Glides



Comfort

68 responses



Sit Tests May 14th – 18th

Important Takeaways:

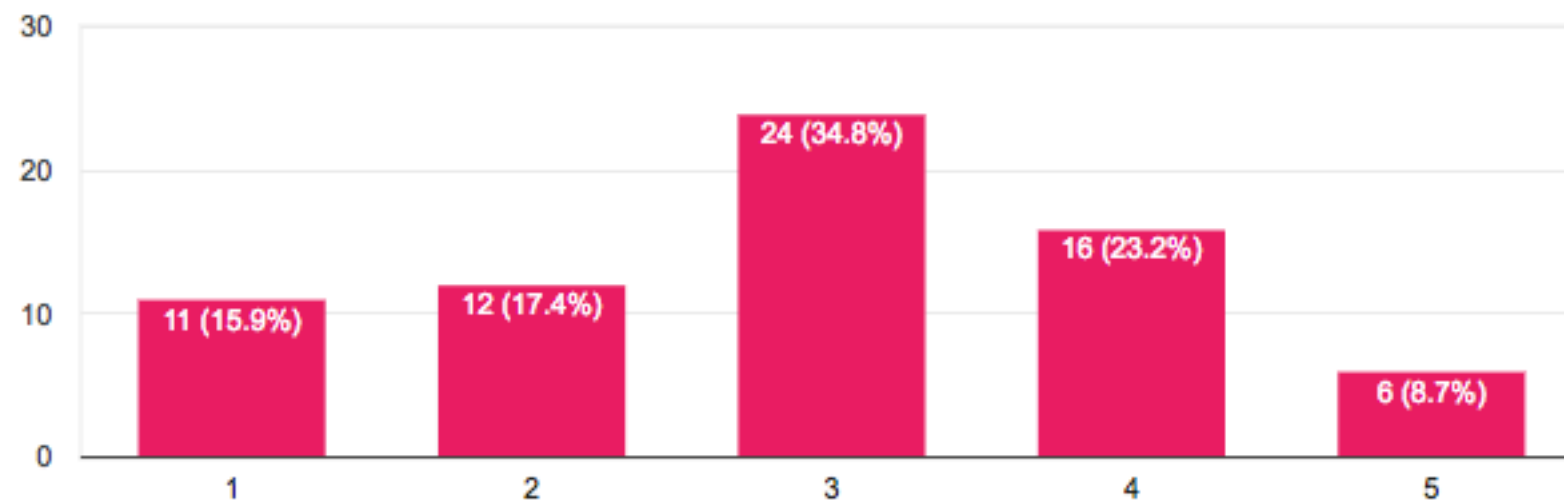
- Staff didn't care for casters on student chairs in learning studios
- Preferred pairing a tall mobile storage cabinet with short storage unit with ability to have power
- Thought mobile teacher station was too large
- Loved tables that had casters on two legs and could stack

From these surveys and Round 2 Programming Meetings selections were modified for pilot classroom order

8. Student Table in Learning Studios - Lite Tables (set of 2 matching)

Comfort

69 responses



Round 2 Sub-Group Furniture Programming Meetings – May 22nd -23rd

Met with sub-groups:

- Admin and Athletic Offices
- Media Commons
- Building Services
- General Learning
- Science
- CTE
- Music and Theater
- SPED



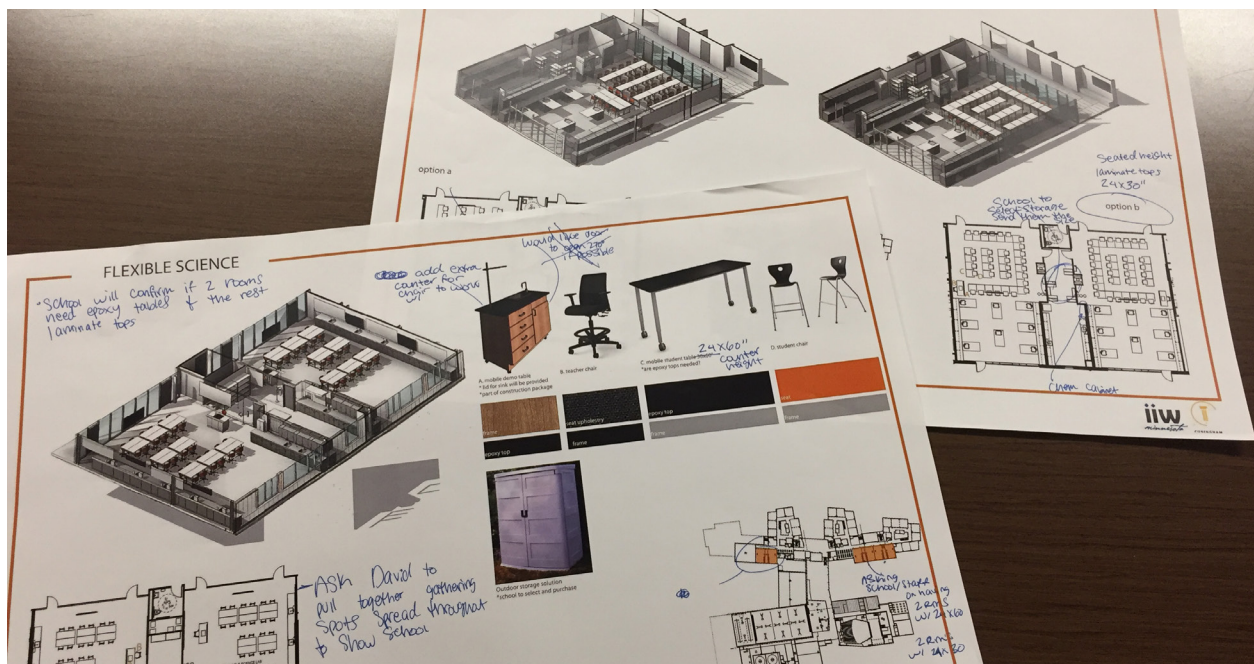
Round 2 Sub-Group Furniture Programming Meetings – May 22nd -23rd

- What happened at each meeting:
 - Presented 1 option that reflected comments from Round 1 Programming Meeting and Sit Test
 - The option included a furniture layout, view of the space, and furniture selections
 - Groups discussed pro's and con's of each piece providing approval and changes on selections and quantities.
 - Science department developed list of new and updated equipment and resources to complement new labs.

Quantity	Product	Order Code	Unit Price	Total
8	LabQuest 2 Biology Deluxe Package	LQ2-BIO-ODX	\$1,788.00	\$14,304.00
1	Biology with Vernier (Electronic Version)	BWV-E	\$40.00	\$40.00
1	Biology with Vernier	BWV	\$48.00	\$48.00
8	LabQuest 2 Chemistry Deluxe Package	LQ2-CH-DX	\$844.00	\$6,752.00
1	Chemistry with Vernier (Electronic Version)	CWV-E	\$40.00	\$40.00
1	Chemistry with Vernier	CWV	\$48.00	\$48.00
8	Go Direct® Motion Detector	GDX-MD	\$99.00	\$792.00
8	Go Direct® Force and Acceleration Sensor	GDX-FOR	\$99.00	\$792.00
8	Go Direct® pH Sensor	GDX-PH	\$89.00	\$712.00
8	Go Direct® Voltage Probe	GDX-VOLT	\$69.00	\$552.00
8	Go Direct® Temperature Probe	GDX-TMP	\$69.00	\$552.00
8	Go Direct® Light and Color Sensor	GDX-LC	\$79.00	\$632.00
8	Go Direct® Conductivity Probe	GDX-CON	\$99.00	\$792.00
8	Go Direct® 3-Axis Magnetic Field Sensor	GDX-3MG	\$69.00	\$552.00

Round 2 Sub-Group Furniture Programming Meetings – May 22nd -23rd

- Important Take-aways:
 - Preferred individual student tables instead of the 2 person tables, however open to having a ratio of table types in learning studios to work with budget
 - Bigger isn't always better. Staff wanted smaller desks
 - Ex. 24" x 60" instead of 30" x 60"
 - Used tape measure to show sizes and examples from the room to provide context
 - Staff weren't excited about casters on chairs in the classroom
 - Loved the soft seating shown throughout
 - Staff excited about how much mobile storage in each learning studios and material storage space
 - Science Staff very pleased with changes made to the Flexible Science Labs



Furniture Budget Review – June 25th

- Reviewed multiple budget options
 - Ratio of one person and two person student desks in learning studios established
 - Reducing outdoor furniture budget

Project estimate is currently under budget

WHAT'S GOING ON

Pilot Classroom: Furniture and Technology

- Pilot Classroom furniture and technology for both Tech and Apollo order in process
- Goals of Pilot Classroom:
 - Get staff and students comfortable with new technology and work through any technology issues before placing a larger order.
 - Use these rooms for teacher development with the technology and flexible furniture before the new school opens.
 - Ensure furniture meets needs and works as envisioned by staff and students before placing a larger order.
 - Budget Update June 25th (currently on budget) and ongoing

Pilot Classroom



teacher workstation
33" wide x 37" deep x height adjustable



teacher chair



short storage
42 wide" x 36 height" x 20 deep"



tall storage
33.5" wide x 19" deep 72" height



one person stackable table



two person stackable table



student chair
*these are not stackable



collaborative stool

WHAT'S NEXT

Next Steps:

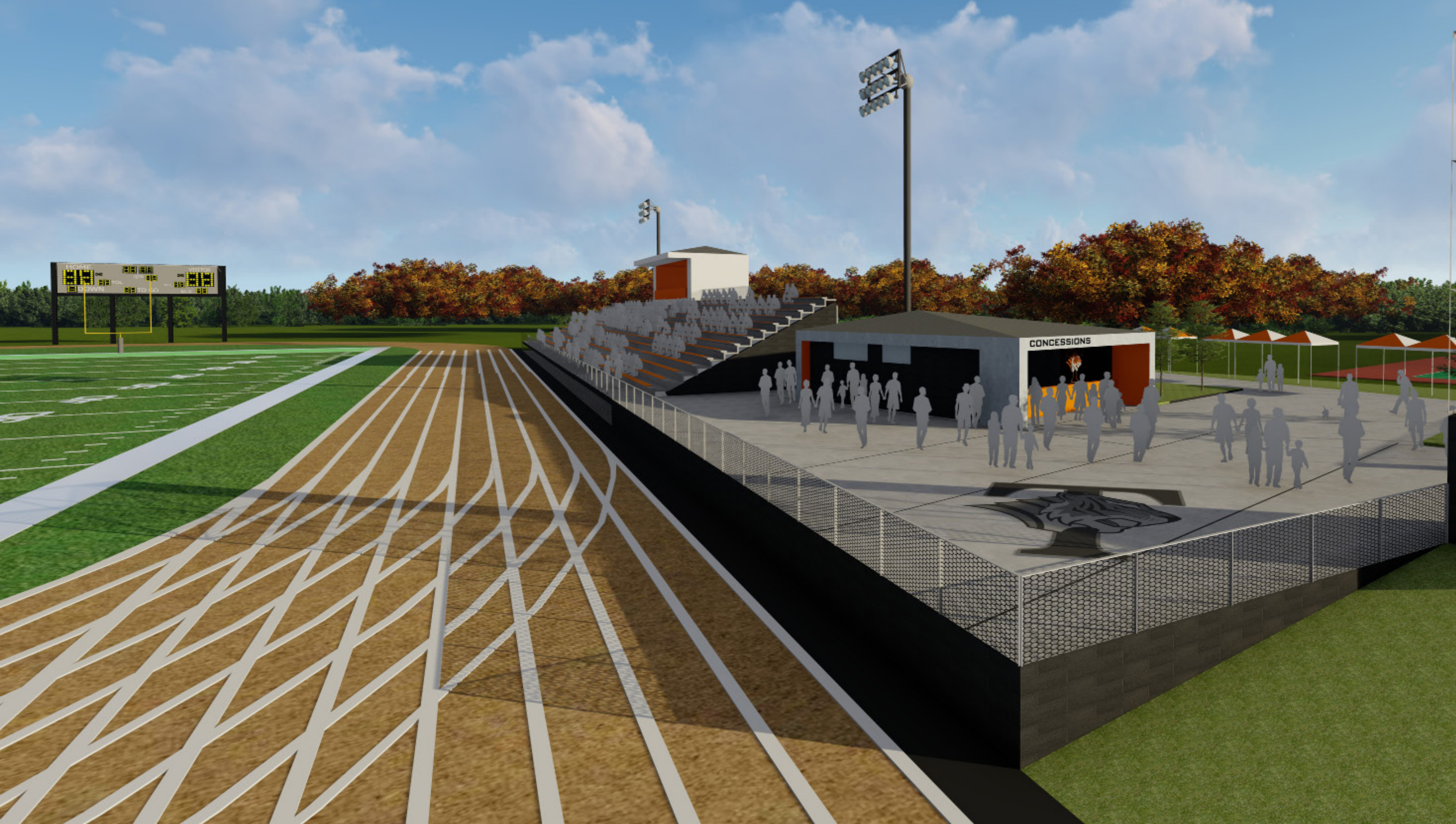
- Install pilot classrooms at Tech and Apollo over MEA.
- Sign-off on furniture selections and quantities for new technology early November
- Confirm budget first week of December
- Issue all furniture purchase orders by December 28th
- Install June 2019

CONCESSIONS BUILDING OVERVIEW



Concessions Floor Plan





Concessions Rendering

SCOREBOARD OVERVIEW: ScoreVision and Daktronics

ScoreVision Indoor Scoreboards: Main Scoreboards- Main Gym

ScoreVision In-Door Displays

- In-Door LED Displays
- 14' x 10.17' Display with Wall mount
- 10' x 6.8' Display with Wall mount



ScoreVision Outdoor Scoreboard: Stadium

ScoreVision Outdoor Display

- Out-Door LED Display
- 29'4" x 22' Outdoor Display with Mount





ScoreVision Controls



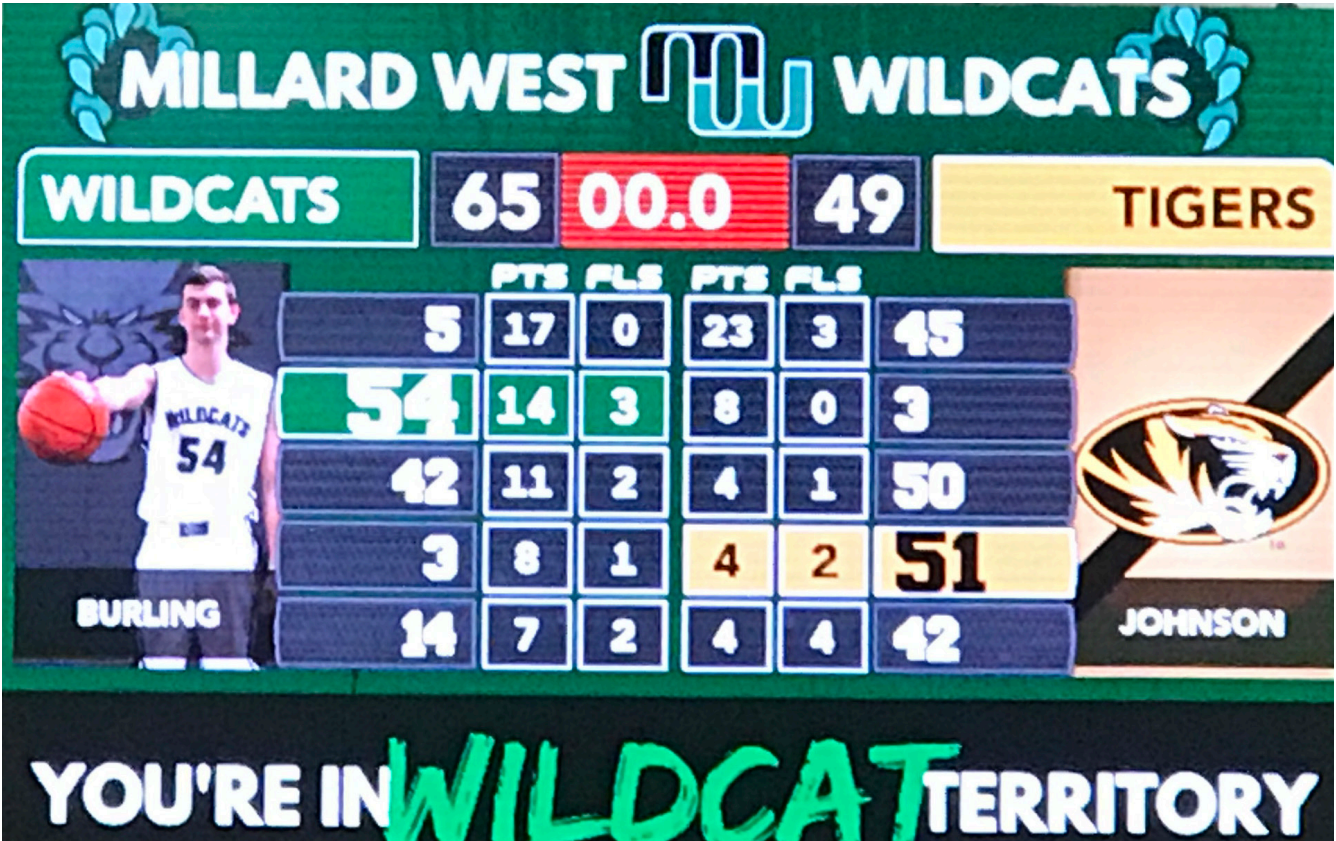
ScoreVision Educational Opportunities

- ☐ Art and Design
- ☐ AV Tech Classes
- ☐ Computer Science
- ☐ Digital Media
- ☐ Photography
- ☐ Business
- ☐ Advertising
- ☐ Marketing
- ☐ Development Skills
- ☐ Video Production



Score Vision Indoor Scoreboards: Main Scoreboards- Main Gym

6'-0" x 8'-0"W



Daktronics Indoor Scoreboards:
Secondary Scoreboards- Main Gym
6'-0" x 8'-0"W



Daktronics Outdoor Scoreboards: Softball and Baseball

6'-6"H x 20'-0"W

⌚

TIME

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PITCH
COUNT

Included Reversible
Caption Panel

AT
BAT

4

BALL

2

STRIKE

1

OUT

1

DAKTRONICS

1

2

3

4

5

6

7

8

9

RUNS

GUEST

0

0

0

0

0

1

0

0

0

2

HOME

0

0

2

0

1

3

0


0

0

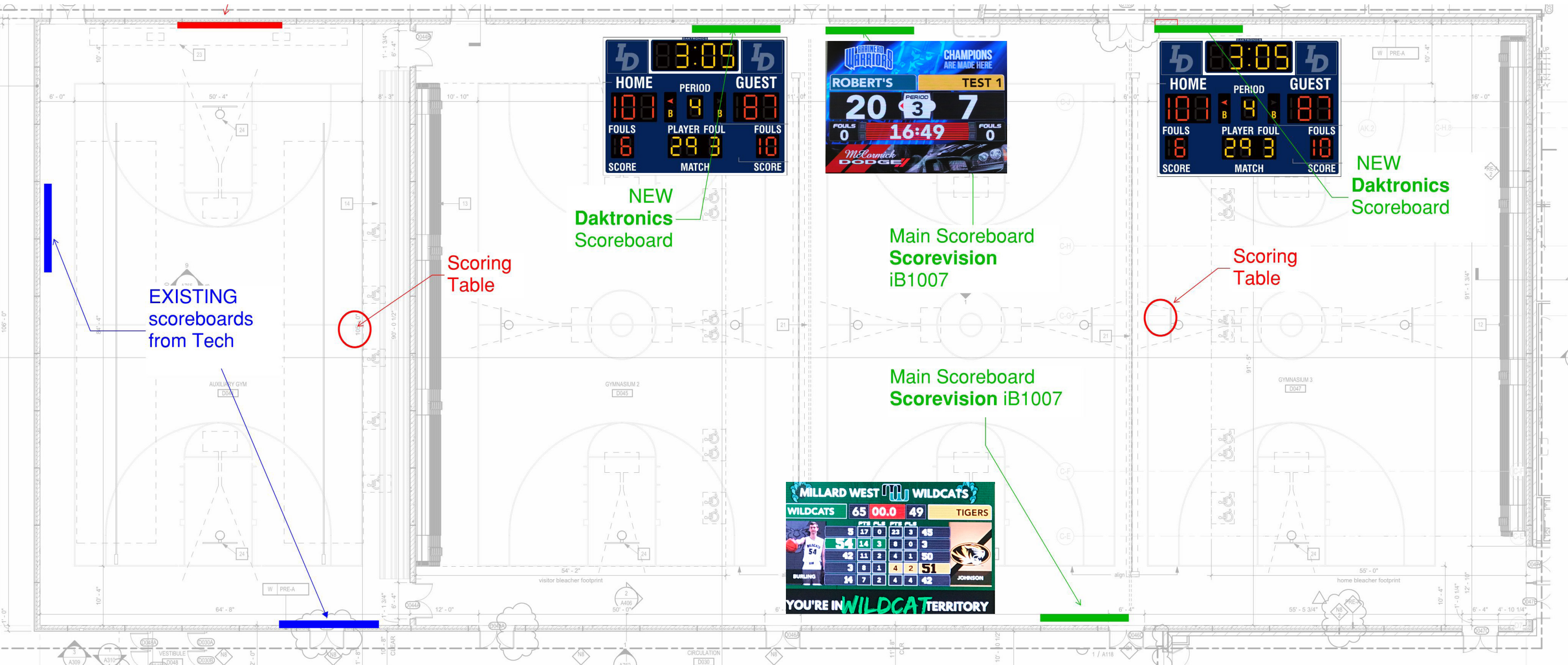
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iiw

minnesota



CUNNINGHAM
GROUP



TIME

PITCH COUNT

Included Reversible Caption Panel

AT BAT	4	1	BALL	2	STRIKE	1	OUT	1		
	1	2	3	4	5	6	7	8	9	RUNS
GUEST	1	0	0	0	0	1	0	0	0	2
HOME	0	0	2	0	1	3	0	0	0	6

Varsity Softball
Scoreboard

TIME

PITCH COUNT

Included Reversible Caption Panel

AT BAT	4	1	BALL	2	STRIKE	1	OUT	1		
	1	2	3	4	5	6	7	8	9	RUNS
GUEST	1	0	0	0	0	1	0	0	0	2
HOME	0	0	2	0	1	3	0	0	0	6

Varsity Baseball
Scoreboard

Clay Stadium

Achediak Field

STRAKE	JESUIT	CRUSADERS	AWAY
7	08:29	0	
QUARTER 1	1ST & 10	BALL ON 43	
DEDICATION	WE ARE JESUIT	TOUGH	CHAMPIONS

Stadium
Scoreboard

BUDGET/FINANCE UPDATE

Overall Budget Present



Tech High School Budget Summary St. Cloud Area School District 742

Overall Budget

July 27, 2018

1 Funding	\$	107,499,701
Bond, Bond Premium, Bond Interest, Utilitiy Rebates, North Entry City Reim.		

2. Expenses

A.	Permits, Plan Review Fees, Wetland Credits, Property Purchase, City Assessments	\$	2,794,581
B.	Fees, Services, HVAC Commissioning, Surveys, Soils Investigations, Construction Testing, Bond Issuance Costs, Insurance, Relocation Costs,	\$	11,220,149
C	Completed Construction Contracts and Co-op Purchasing (Includes approved Alternates)	\$	78,314,506
D	Remaining Construction Allowances	\$	10,653,425
E	Construction Contingency	\$	4,475,000

Total Expenses	\$	107,457,661
Balance	\$	42,040

Allowance Summary Present



Tech High School Budget Summary St. Cloud Area School District 742

July 27, 2018

Allowances Summary and Balances

D Remaining Construction Allowances

Item	Budget	Expended	Estimated	Balance
Furniture, Fixtures and Equipment (FFE)	\$ 4,200,000		\$ 4,028,642	\$ 171,358
Technology	\$ 2,925,000		\$ 2,849,341	\$ 75,659
Distributed Antenna System	\$ 600,000			\$ 600,000
Site Maintenance Equipment	\$ 400,000			\$ 400,000
Building Signage	\$ 125,000			\$ 125,000
Interior and Exterior Scoreboards	\$ 538,000		\$ 573,830	\$ (35,830)
Auditorium Equipment	\$ 350,000			\$ 350,000
Site Buildings				
Concessions, Toilets, Electrical	\$ 588,200			
Team Rooms and Maintenance Underground	\$ 279,763			
Remaining for Student Materials/Contractor	\$ 647,462	\$ 588,200	\$ 279,763	\$ 647,462
Total Remaining Construction Allowances	\$10,653,425			

E Construction Contingency

	\$ -			
Bid Discrepancies	\$ 500,000	\$ 500,000		\$ -
Construction Contingency	\$ 3,975,000	\$ 479,553		\$ 3,495,447
Site Electrical			\$ 477,238	\$ 3,018,209

CONSTRUCTION UPDATE



THANK YOU
School Board Workshop 08.01.2018

