JEFFCO PUBLIC SCHOOLS

CAAC Design and Construction Update

12-19-24



DarkSky Approved

The DarkSky Approved program provides objective, third-party certification for products, designs, and completed projects that minimize glare, reduce light trespass, and don't pollute the night sky.



Issued: 2024-11.25
ID#: 50112524

DarkSky

DarkSky Approved
Outdoor Sports Lighting Program

Phase II certification

Chatfield High School Football Field

DarkSky installation certifications are given only after the field inspection has demonstrated full compliance with the lighting criteria described in the DarkSky Approved Outdoor Sports Lighting Program version 1.3 guidelines. The successful field inspection was performed on November 21st, 2024.

Thank you for your part in the world-wide effort to protect and preserve the natural nighttime environment and our heritage of dark skies.

James Brigagliano
Lighting Program Manager

DarkSky Approved
Outdoor Sports Lighting
CERTIFIED BY DARKSKY.ORG

Ruskin K. Hartley
DarkSky Executive Director



Issued: 2024-11.25
ID#: 60112524

DarkSky

DarkSky Approved
Outdoor Sports Lighting Program

Phase II certification

Golden High School Football Field

DarkSky installation certifications are given only after the field inspection has demonstrated full compliance with the lighting criteria described in the DarkSky Approved Outdoor Sports Lighting Program version 1.3 guidelines. The successful field inspection was performed on November 19th, 2024.

Thank you for your part in the world-wide effort to protect and preserve the natural nighttime environment and our heritage of dark skies.

James Brigagliano
Lighting Program Manager

DarkSky Approved
Outdoor Sports Lighting
CERTIFIED BY DARKSKY.ORG

Ruskin K. Hartley
DarkSky Executive Director



Issued: 2024-11.25
ID#: 70112524

DarkSky

DarkSky Approved
Outdoor Sports Lighting Program

Phase II certification

Lakewood High School Football Field

DarkSky installation certifications are given only after the field inspection has demonstrated full compliance with the lighting criteria described in the DarkSky Approved Outdoor Sports Lighting Program version 1.3 guidelines. The successful field inspection was performed on November 20th, 2024.

Thank you for your part in the world-wide effort to protect and preserve the natural nighttime environment and our heritage of dark skies.

James Brigagliano
Lighting Program Manager

DarkSky Approved
Outdoor Sports Lighting
CERTIFIED BY DARKSKY.ORG

Ruskin K. Hartley
DarkSky Executive Director



Issued: 2024-11.25
ID#: 80112524

DarkSky

DarkSky Approved
Outdoor Sports Lighting Program

Phase II certification

Pomona High School Football Field

DarkSky installation certifications are given only after the field inspection has demonstrated full compliance with the lighting criteria described in the DarkSky Approved Outdoor Sports Lighting Program version 1.3 guidelines. The successful field inspection was performed on November 18th, 2024.

Thank you for your part in the world-wide effort to protect and preserve the natural nighttime environment and our heritage of dark skies.

James Brigagliano
Lighting Program Manager

DarkSky Approved
Outdoor Sports Lighting
CERTIFIED BY DARKSKY.ORG

Ruskin K. Hartley
DarkSky Executive Director





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Fletcher Miller Special School
New Facility @ Current Site

Construction

MOA – Crossland



JEFFCO PUBLIC SCHOOLS

Chatfield HS – Secure Entry

Construction

MOA - Mark Young Construction

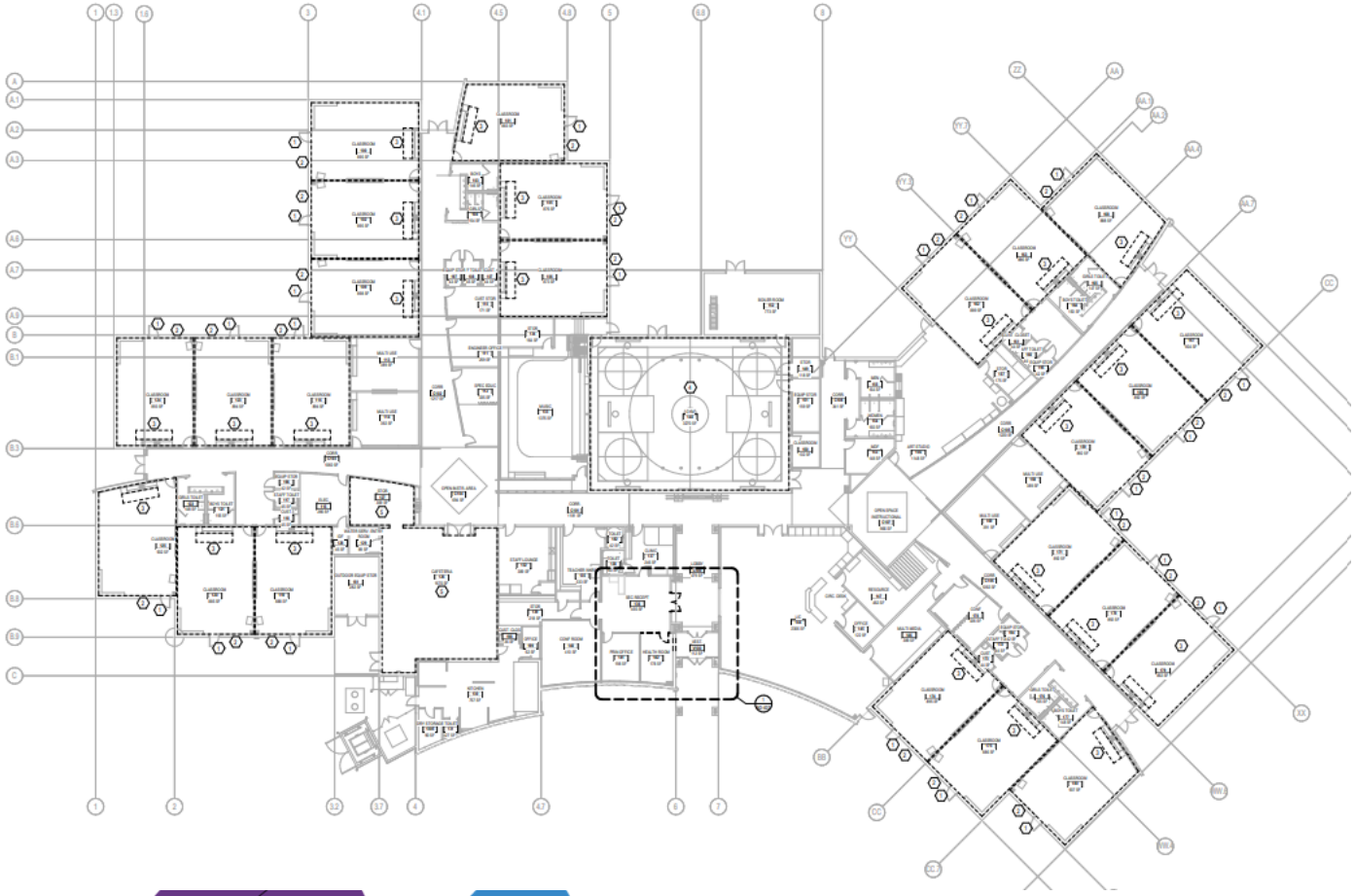


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Blue Heron ES – Fire Alarm Upgrade

Construction

TLH – Odin Electric

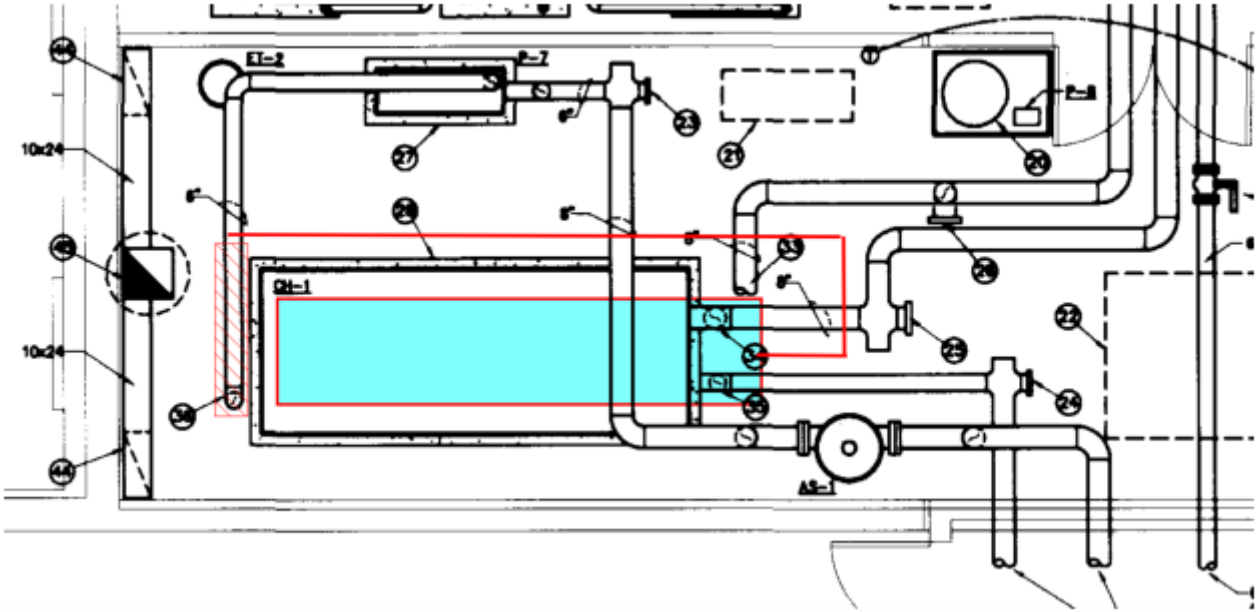


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Dakota Ridge HS – Chiller

Construction

Columbine – US Engineering

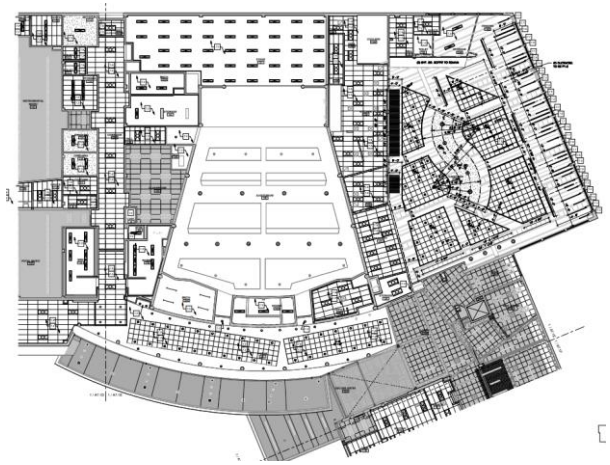


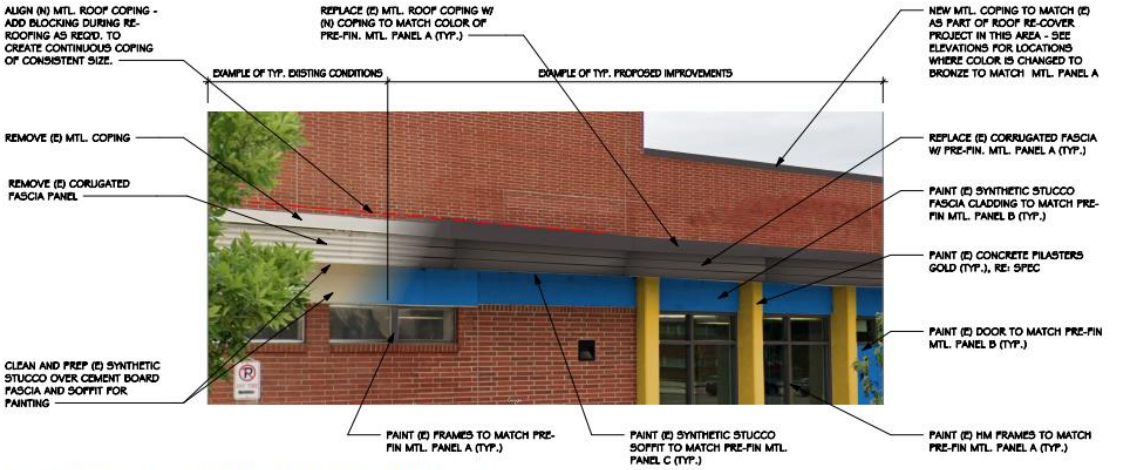
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Wheat Ridge HS Phase II

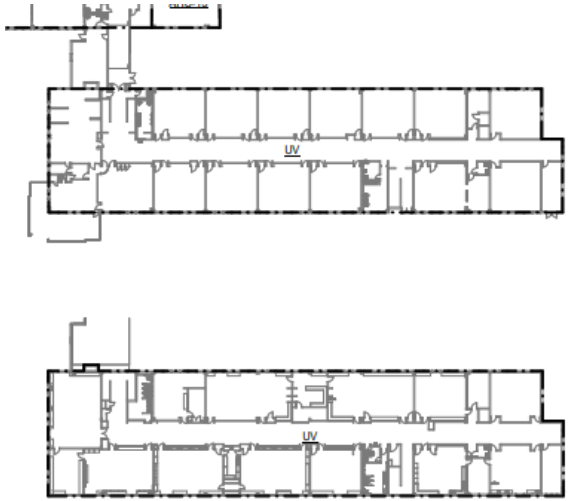
Construction

Eidos – GTC



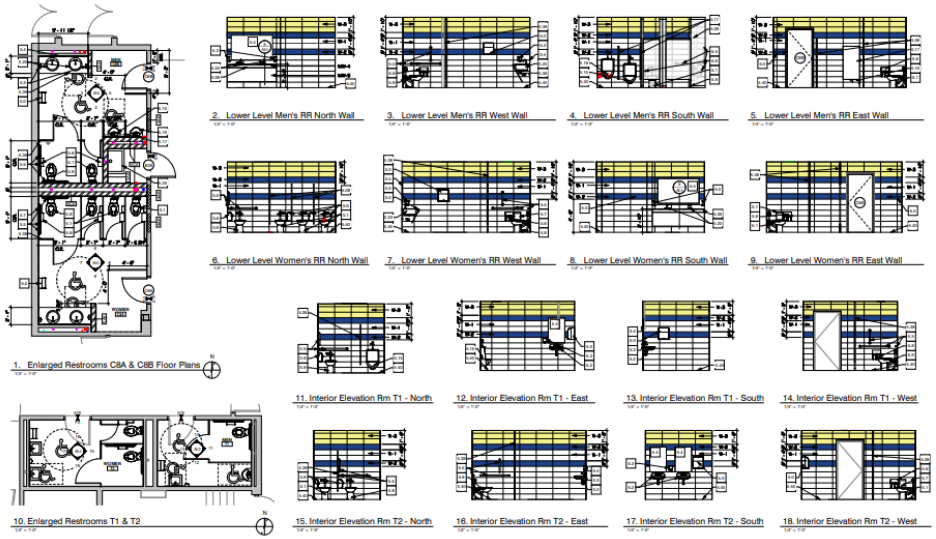


5. Exterior Improvements Photo - Existing / Proposed



UPPER LEVEL HVAC ZONING PLAN

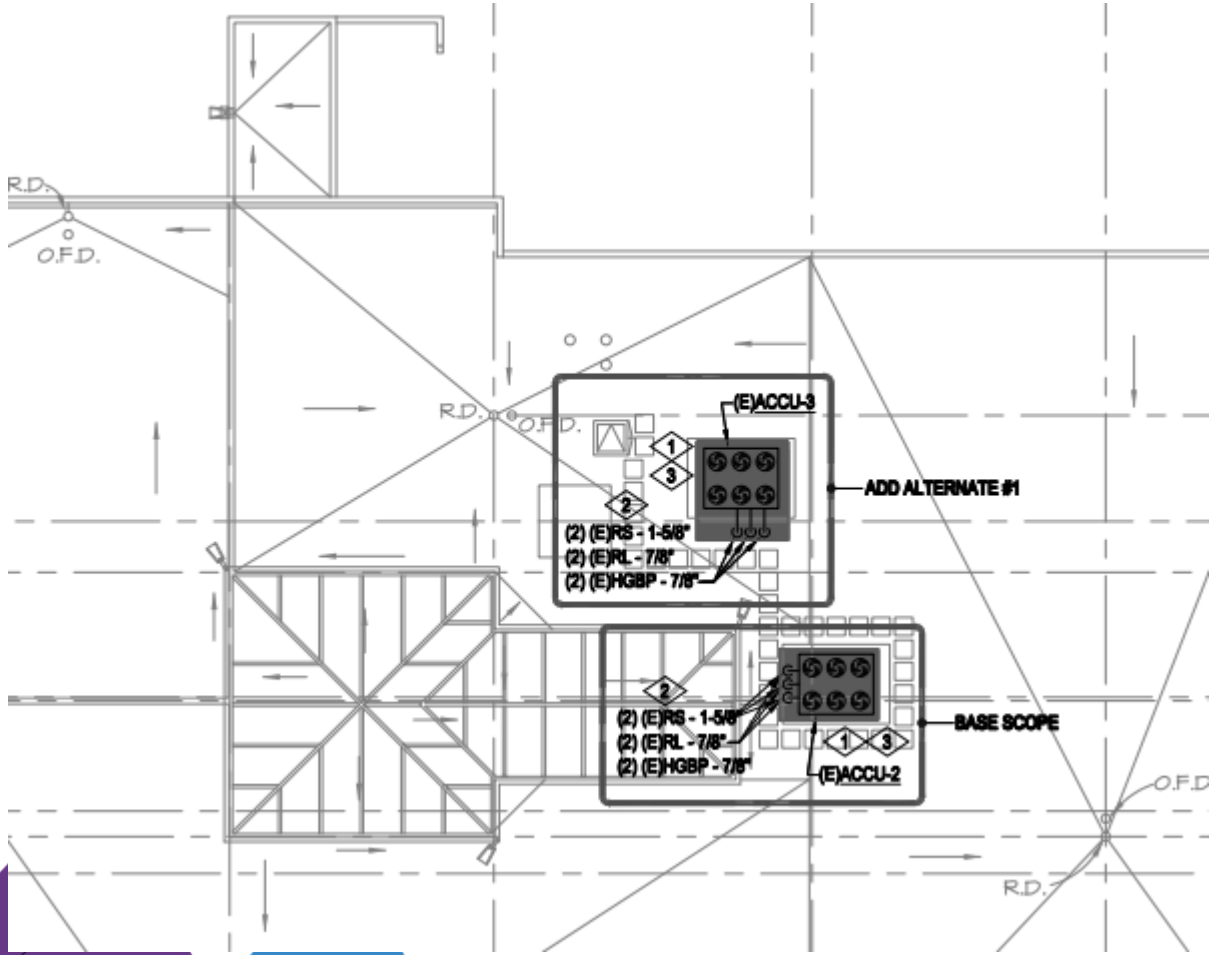
SCALE: 1/32" = 1'-0"



West Woods – Roof Top Unit Repairs
Equipment Failure

Construction

Columbine – US Engineering / Jeffco



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District Wide – Bleachers
GMHS & Chatfield

BROC



Bid

GMHS
$271,830

Chatfield
$266,455

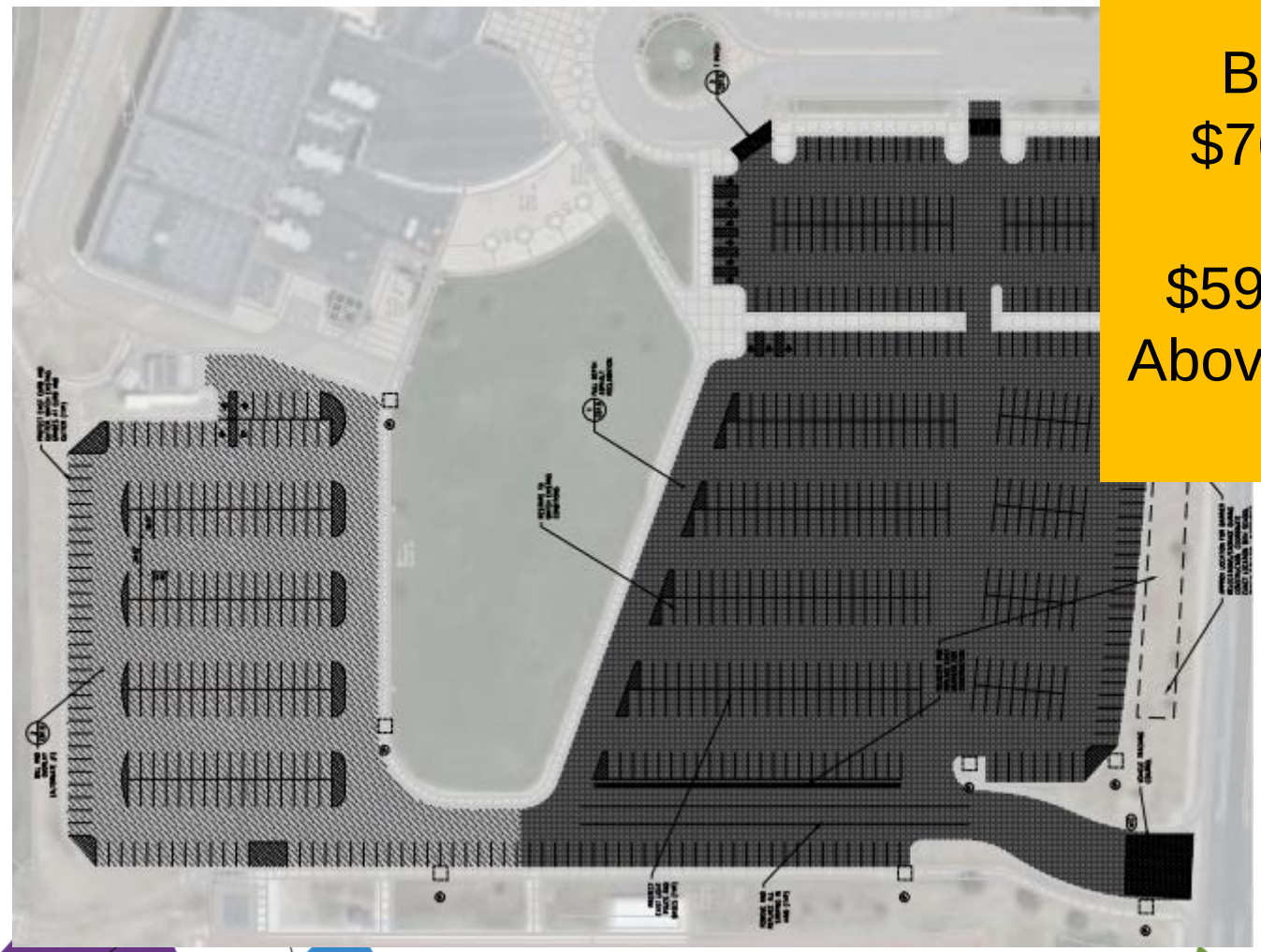
Budget
$576,923

$38,638
Below Budget

JEFFCO PUBLIC SCHOOLS

RVHS – Paving

JVA - APC



Bid
$825,820.88

Budget
$766,538

$59,283.88
Above Budget

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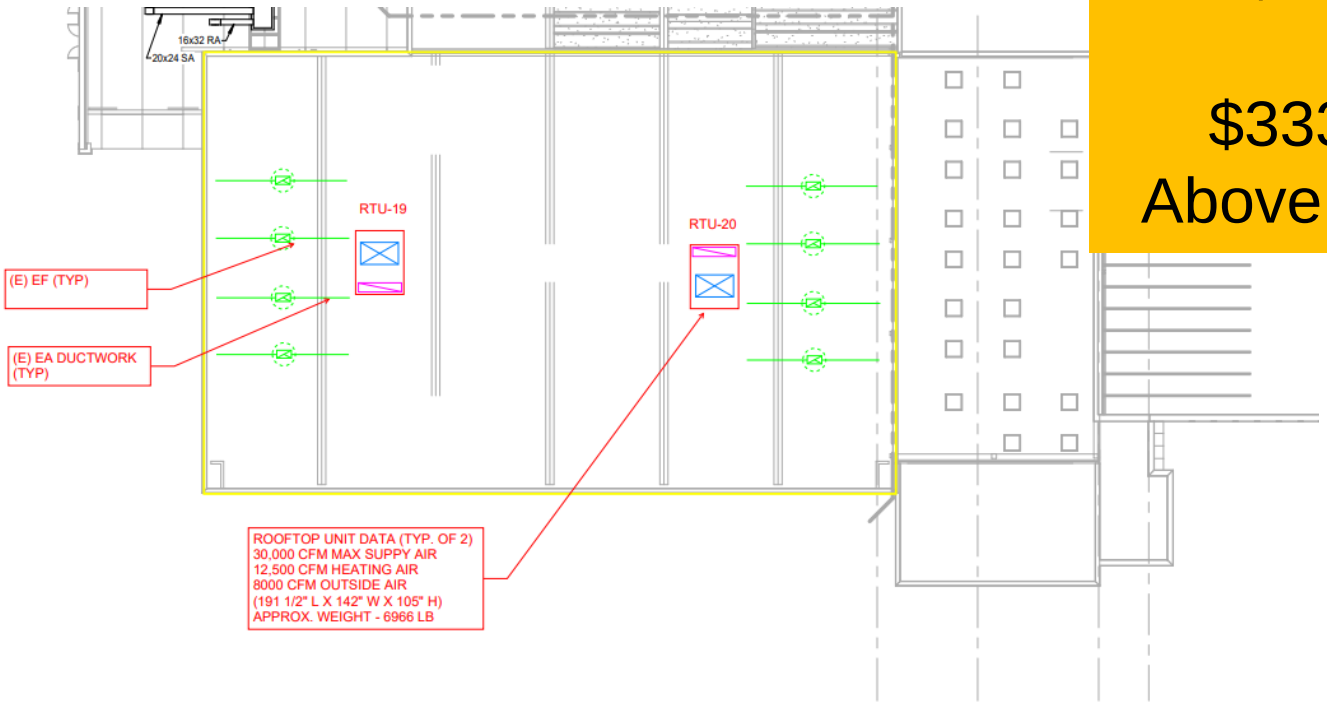
Alameda HS – Gym Roof & Mechanical

Cator Ruma – US Engineering

Bid
$1,966,337

Budget
$1,633,076

$333,261
Above Budget



OPTION 1: (2) 30K CFM ROOFTOP UNITS

MECHANICAL ROOF PLAN
SCALE: 1" = 20'-0"

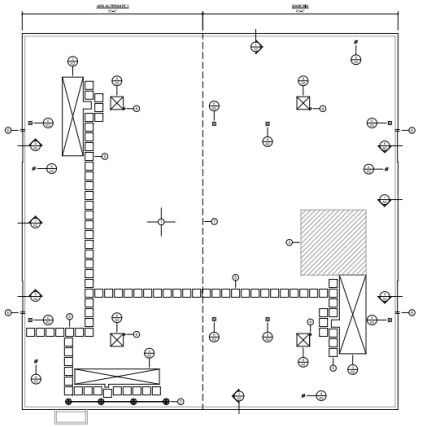
JEFFCO PUBLIC SCHOOLS

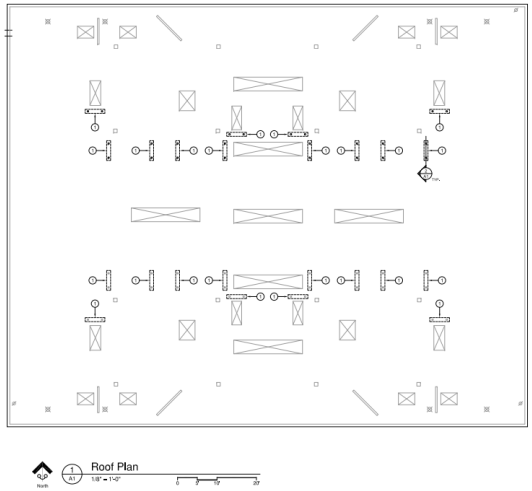
District Wide – Roofing

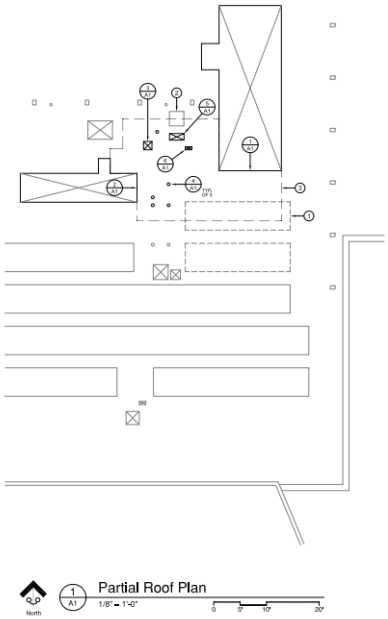
Bids
January 16

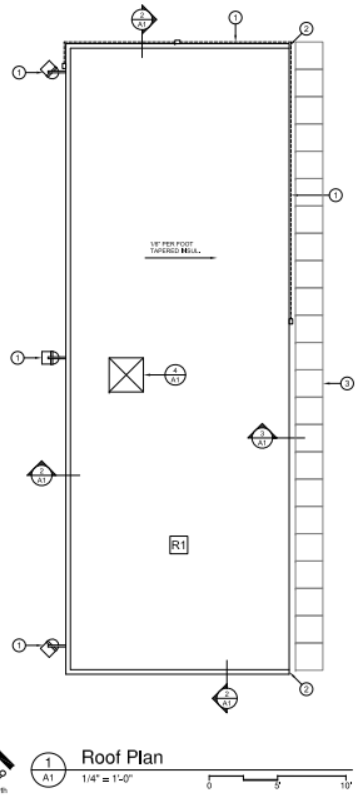
Evergreen HS gym, Jefferson HS (repair), Jeffco stadium east side press box (repair)
Jeffco driver training, Lakewood HS (repair)

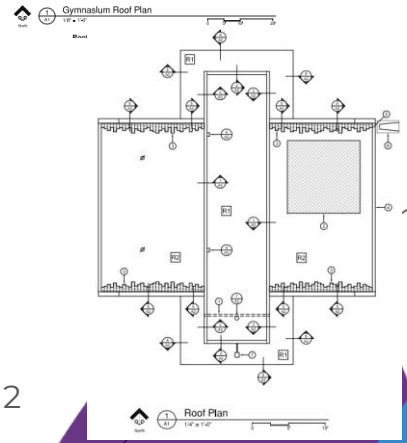
SR+dk - TBD









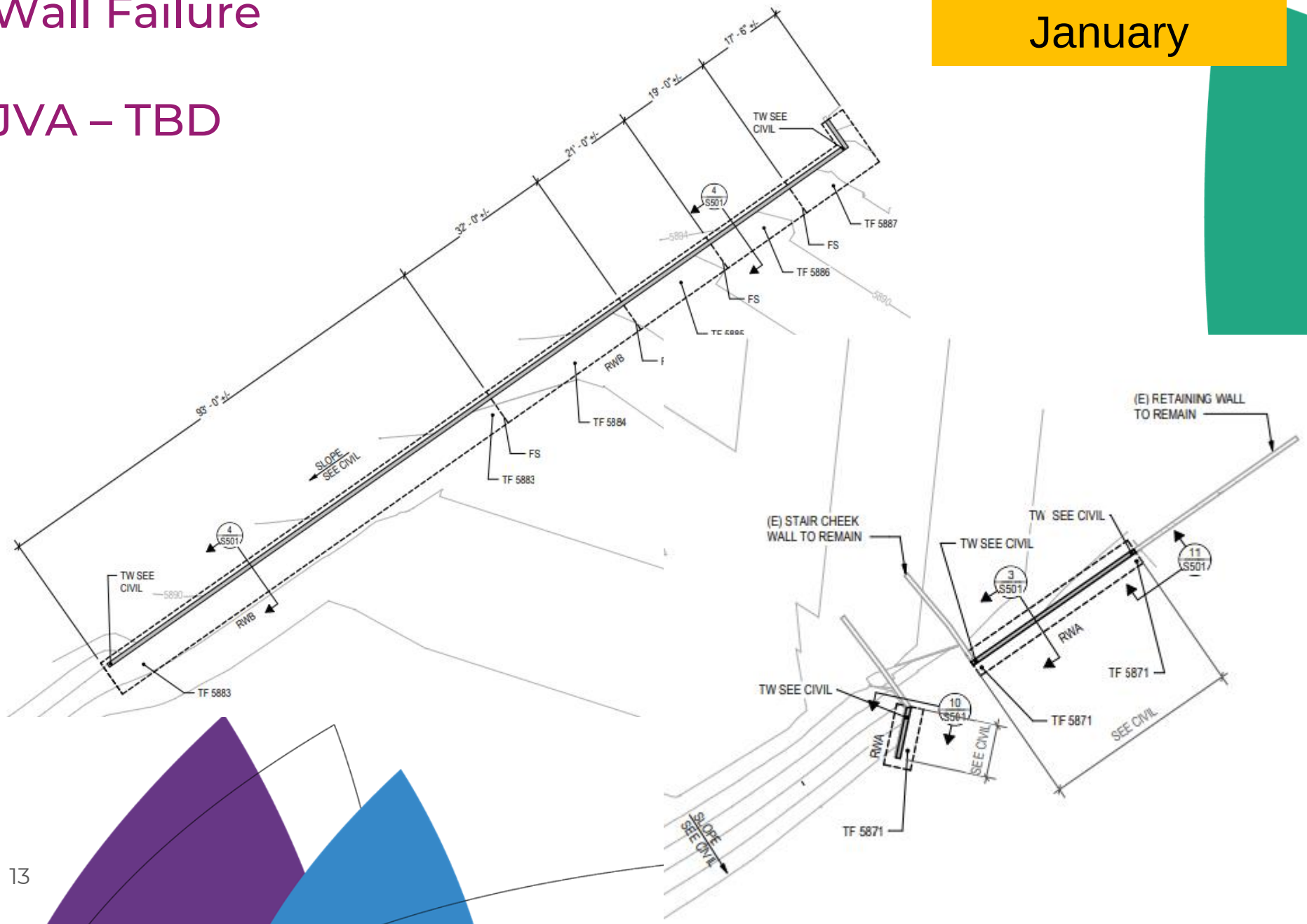


JEFFCO PUBLIC SCHOOLS

Devinny Retaining Wall
Wall Failure

JVA – TBD

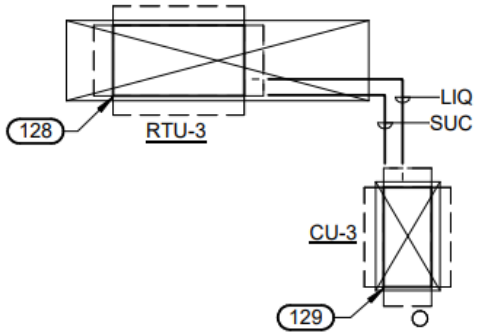
Bids January



Columbine Hills – RTU-3 Replacement Equipment Failure

IMEG - TBD

Construction Documents



AIR HANDLING SCHEDULE

NOTES:
1.PROVIDE SHAFT GROUNDING AS REQUIRED IN THE MOTOR SPECIFICATION ---[15170] [22 05 13] [23 05 13].
2.PROVIDE 120V CONNECTION FOR RECEPTICALE.

TAG NAME	AREA SERVED	SUPPLY FAN (NOTE 1)								RETURN FAN (NOTE 1)								MINIMUM OUTSIDE AIR CFM	ELECTRICAL									
		NO. OF FANS	CFM TOTAL	MIN. CFM	EXT. S.P.	TYPE	RPM (NOTE D)	BHP EA CH (NOTE E)	MHP EACH (NOTE E)	NO. OF FANS	CFM TOTAL	MIN. CFM	EXT. S.P.	TYPE	RPM (NOTE D)	BHP EA CH (NOTE E)	MHP EACH (NOTE E)		NO. OF POWER CONNECTIONS	VOLTAGE	PHASES	DISCONNECT(S)		CONTROLLER STARTER(S)		SCCR	NO. OF AUXILIARY CONNECTIONS	EMERGENCY POWER	FULL LOAD AMPS	MINIMUM CIRCUIT AMPACITY	MAXIMUM OVERCURRENT PROTECTION
																						BY (NOTE A)	TYPE (NOTE B)	BY (NOTE A)	TYPE (NOTE C)						
RTU-3	ADMIN, OFFICES, AND LOUNGE	1	2400	2400	1.3	PLENUM	1850	1.4	2	1	2400	2400	0.3	PLENUM	880	0.7	1	340	1	480	3	MFR	NF	MFR	VFD	10000	1	No	16 A	18 A	25 A

AIR HANDLING SCHEDULE - CONT.

TAG NAME	DX COOLING COIL									FILTER			MAX. DIMENSIONS			WEIGHT	MANUFACTURER	MODEL	NOTES
										MIXED AIR FILTER	PRESSURE DROP									
	EAT DB °F	EAT WB °F	LAT DB °F	LAT WB °F	AMBIENT TEMPERATURE °F	TOTAL MBH	SENSIBLE MBH	REFRIGERANT	SSEER	TYPE	DIRTY	CLEAN	LENGTH	WIDTH	HEIGHT				
RTU-3	78.5	61.9	53.2	51.0	100	62.8	49.5	R-454B	0	MERV 11	0.45	0.25	83"	44"	44"	1250	AAON	RN-006	ALL

CONDENSING UNIT SCHEDULE

NOTES:
1.REFER TO SPECIFICATION SECTION 15671 [23 62 13] FOR ADDITIONAL REQUIREMENTS.

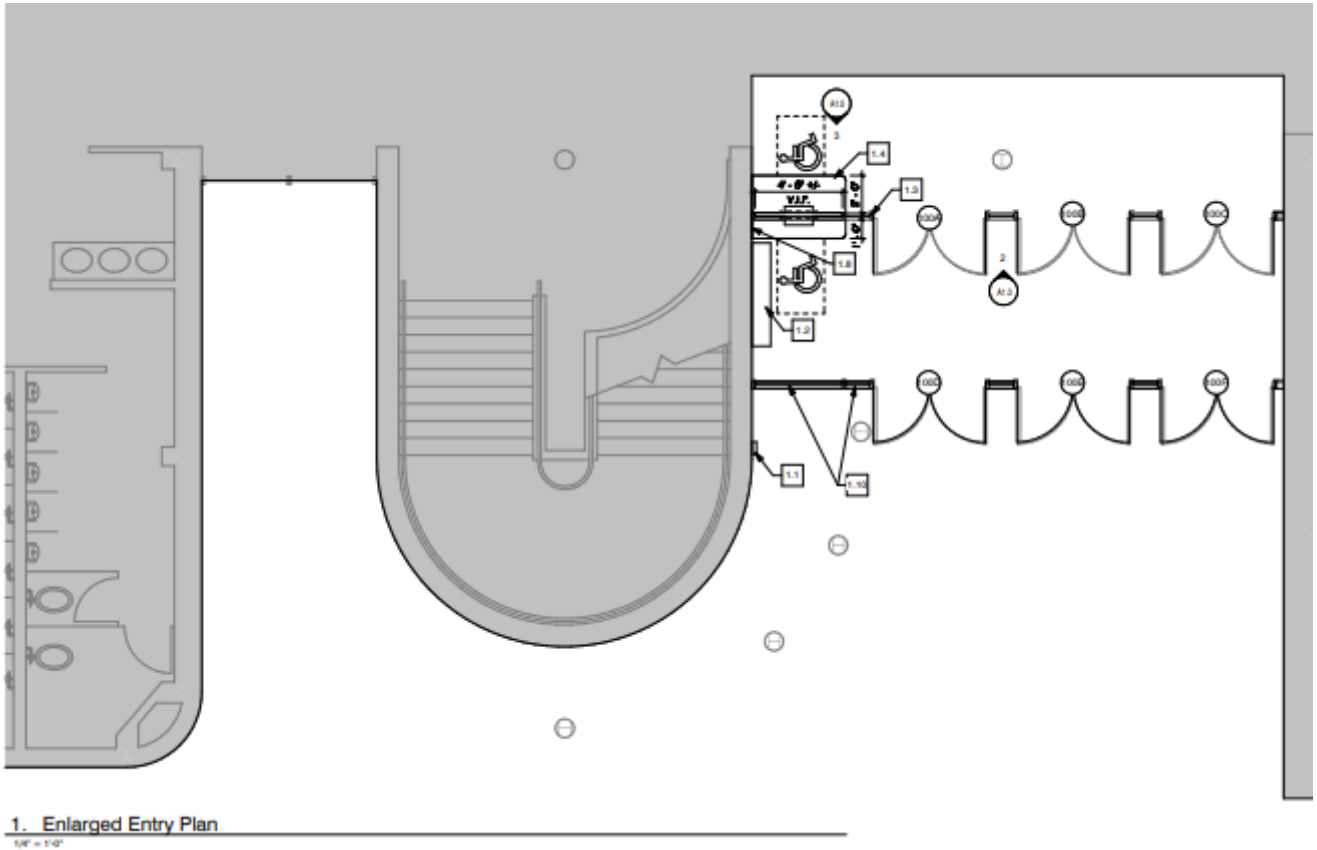
TAG NAME	AREA SERVED	NOMINAL DESIGN TONS	REFRIGERANT	AMBIENT TEMP °F	MAXIMUM ALLOWABLE SOUND POWER IN DB RE 10^{-12} WATTS OCTAVE BAND CENTER FREQUENCY							ELECTRICAL									MAX. DIMENSIONS						
					63	125	250	500	1000	2000	4000	NO. OF POWER CONNECTIONS	VOLTAGE	PHASES	FLA	MCA	MOCP	DISCONNECT		CONTROLLER/ STARTER		EMERGENCY POWER	LENGTH	WIDTH	HEIGHT	WEIGHT	MANUFACTURER	MODEL (NOTE 1)	NOTES
																		BY (NOTE A)	TYPE (NOTE B)	BY (NOTE A)	SCCR							
CU-3	ADMIN, OFFICES, AND LOUNGE	5	R-454B	100.0	0	0	0	0	0	0	0		480	3	11.0	13	20	EC	NF	MFR	10000	No	81	30	57	450	AAON	CFA-007	ALL

JEFFCO PUBLIC SCHOOLS

West Jefferson MS – Secure Entry

Eidos - TBD

Construction Documents



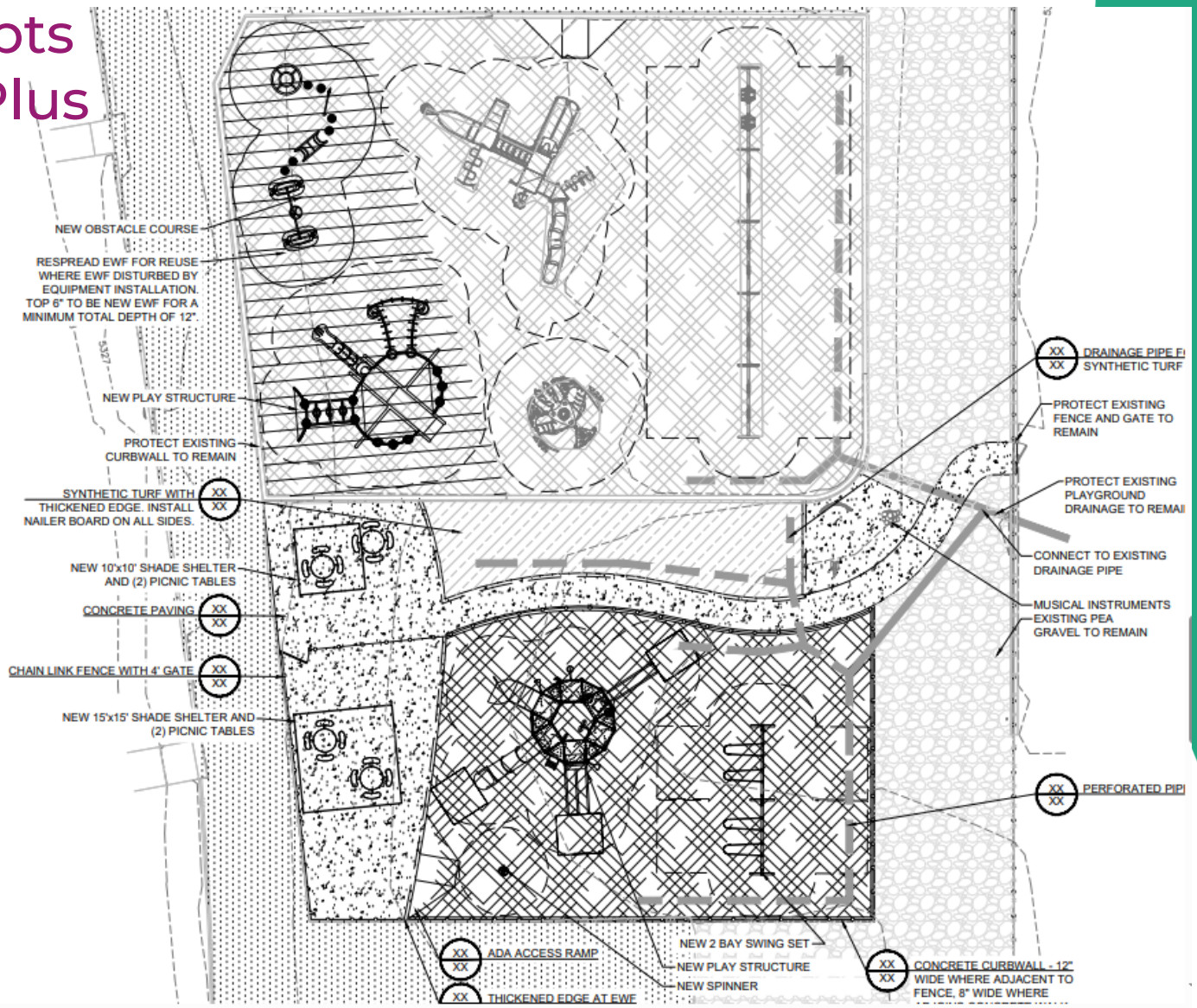
1. Enlarged Entry Plan

JEFFCO PUBLIC SCHOOLS

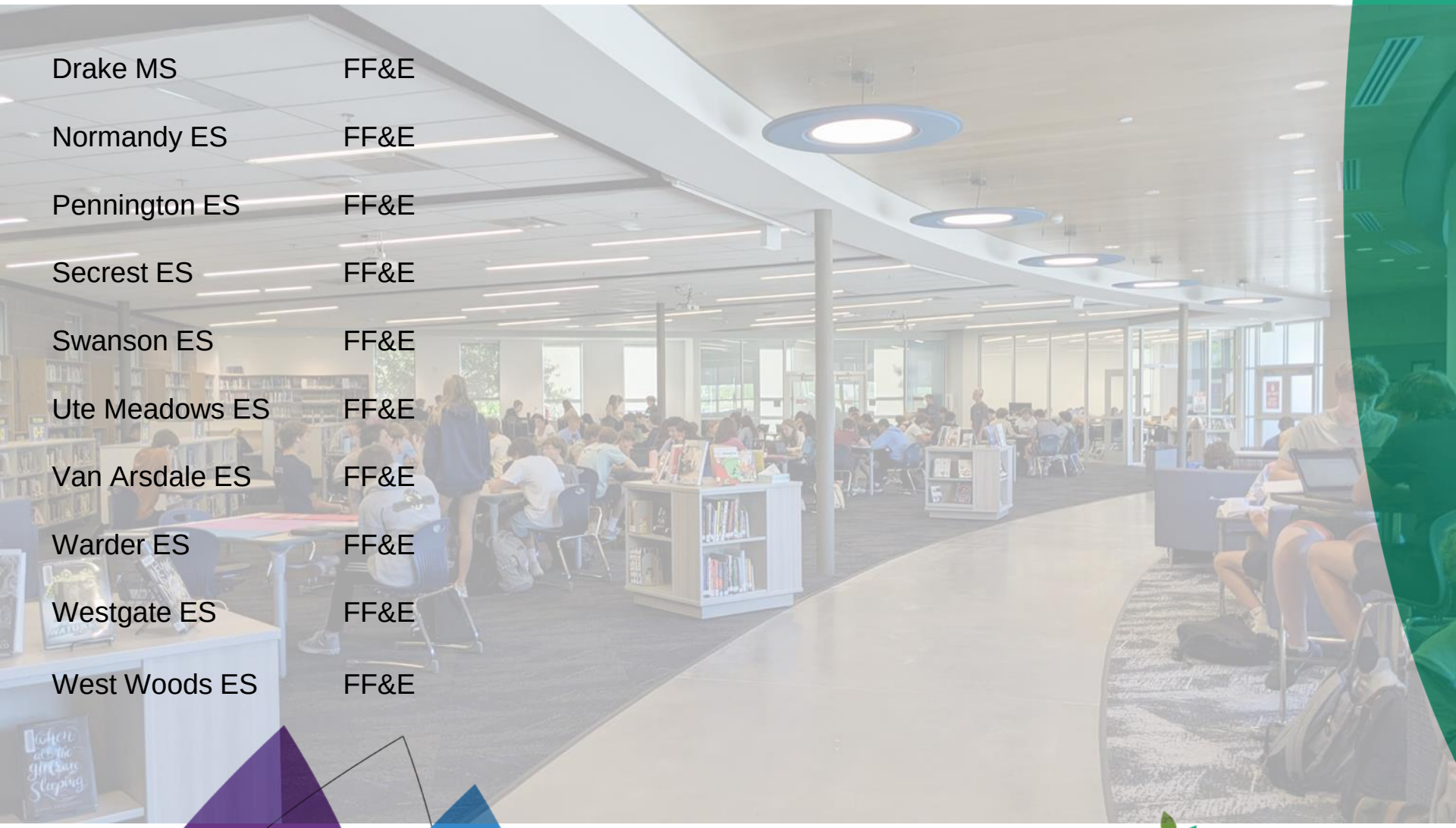
Edgewater ES Playground

City of Edgewater, Design Concepts & Recreation Plus

Design Development



FF&E



Drake MS	FF&E
Normandy ES	FF&E
Pennington ES	FF&E
Secrest ES	FF&E
Swanson ES	FF&E
Ute Meadows ES	FF&E
Van Arsdale ES	FF&E
Warder ES	FF&E
Westgate ES	FF&E
West Woods ES	FF&E

JEFFCO PUBLIC SCHOOLS

Small Projects - 30 Day Activity

South Artic Areas	Central / Mountain Artic Areas	North Artic Areas
Chatfield Columbine Dakota Ridge Alameda Bear Creek Green Mountain	Conifer Evergreen Golden Jefferson Lakewood	Arvada Arvada West Pomona Ralston Valley Standley Lake Wheat Ridge
+25 Requests	+13 Requests	+19 Requests

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Next Meeting 1-16-25

JEFFCO PUBLIC SCHOOLS