



Moates Elementary School Replacement

DeSoto ISD

Design Review

July 15, 2026

When Who You Work With Matters

6000 Headquarters Dr.
Plano, TX 75024

(214) 750-0077
wraarchitects.com



Utilization		90%
Core Classrooms		23
Specialty Classrooms		2
Special Programs Classrooms		1
Student Maximum Capacity		486
Student Functional Capacity		435

Elementary
K - 5th Grade

Space Name	Qty	NSF	Total	Staff	Capacity per Room	Max Capacity	Functional Capacity	Notes
Academic Core Space						90%	reference TEA requirements tab TEA Flexibility Level 2	
Kindergarten	4	800	3,200	4	22	88	79	
Kinder Restroom	2	70	140					
1st Grade	4	800	3,200	4	22	88	79	
1st Grade Restroom	2	70	140					
2nd Grade	4	825	3,300	4	22	88	79	
3rd Grade	3	820	2,460	3	22	66	59	
4th Grade	3	810	2,430	3	22	66	59	
5th Grade	3	810	2,430	3	25	75	68	
STEM CTE Collab Lab	3	1,900	5,700	3				1 additional science lab added per 04/08 meeting
Storage	3	304	912			-		1 additional science lab added per 04/08 meeting
Computer Lab	1	930	930	1		-		1 additional lab added per 04/08 meeting
Student Collaboration	-	800	-	-		-		2 added per 04/08 meeting
Teacher Collaboration	3	536	1,608					
Small Group	-	400	-					
Book/Materials Storage	-	200	-					
Department Storage	-	200	-					
Academic Core Space Subtotal	35		26,450	25		471	424	
Special Programs						75%	reference TEA requirements tab	
Dyslexia/RTI	-	400	0	0				removed per 04/08 meeting
Resource Room	-	400	0	0				removed per 04/08 meeting
Self-Contained Special Education	1	1000	980	3	15	15	11	
Spec Ed Storage	1	200	200					
Spec Ed Restroom/Shower	1	100	110					
Spec Ed Kitchen	1	150	142					
Diagnostician Office	-	150	0	-				removed per 04/08 meeting
Speech Therapy	-	400	0	-				removed per 04/08 meeting
Reading Specialist	-	680	0	-				removed per 04/08 meeting
Special Education Conference Room	-	300	0					removed per 04/08 meeting
Sensory Room	1	100	100					added per 04/08 meeting
Special Education Space Subtotal			1,532	3		15	11	
Specialty Classrooms						75%		
Music Classroom	1	1,200	1,185	1			-	1200 is typical now
Music Storage	1	300	345				-	
Art Classroom ES	1	1,200	1,225	1			-	1200 is typical now
Kiln	-	100	-				-	removed per 04/08 meeting
Art Storage	1	250	285				-	
MakerSpace	-	975	-				-	would plan for the science lab to double as a MakerSpace
Specialty Classrooms	2		3,040	2	-	-	-	
PE/Athletics						75%		
Elementary Gym	1	3,605	3,605	2			-	
Gym Office	1	120	150				-	
Battery Room	1	125	120					
Storm Shelter Control Room	1	135	100					
Gym Storage	1	230	230				-	
Restrooms	2	225	450				-	
PE/Athletics Space Subtotal			4,655	2		-	-	

Library/Media Center					reference TEA requirements tab
Library Media Center	1	1,685	1,685	1	-
Library Workroom/Office	1	150	150		-
Library Storage	1	125	125		-
Tech Storage	1	196	196		-
Literacy Library	-	380	-		-
Library/Media Center Space Subtotal		2,156	1		-
Administration					
Principal Office	1	210	210	1	-
Asst Prin Office	1	175	175	1	-
ISS Room	1	330	330		-
Open Office	1	125	125	1	-
PEIMS/Attendance	1	100	100	2	-
Reception/Waiting room	1	735	735		-
Teacher's Lounge/Kitchen	1	840	840		-
Workroom/Mail/Copy	1	465	465		-
Workroom Storage		100	-		-
Conference Room	1	315	315		-
Vault/Record Storage	1	285	285		-
Clinic	1	362	362	1	-
Restroom and Bath, Student	1	85	85		-
Nurse's Office	1	115	115		-
Office, Administration, Counselor	1	225	225	1	-
Counselor/Testing Storage		80	-		-
SRO Office	1	115	115	1	-
Zen Den	1	150	150	1	-
PLC Room	-	150	-	-	-
Community Conference Room	-	300	-		-
Community Storage	-	150	-		-
Community Pantry	-	150	-		-
Community Restroom	-	80	-		-
Administration		4,632	9		-
Food Service					reference TEA requirements tab
Cafeteria	1	3,230	3,230		-
Stage (Cafetorium)	1	725	725		-
Ramp	1	100	100		-
Kitchen and Serving	1	2,230	2,230	4	-
Staff-Locker/ Dressing	1	55	55		-
Food Service Staff Restroom	1	70	70		-
Walk-in Freezer	1	205	205		-
Walk-in Cooler	1	300	220		-
Warewashing		230	0		-
Dry Food Storage	1	265	265		-
Child Nutrition Manager's Office		75	0		-
General Storage	1	350	350		-
Custodial/Utility Closet	1	300	300		-
Washer/Dryer	1	85	85		-
Food Service Space Subtotal		7,835	4		-
Service/Support					
Restroom, Student - Boys	2	220	440		-
Restroom, Student - Girls	2	220	440		-
Restroom, Staff - Male	2	80	160		-
Restroom, Staff - Female	2	80	160		-
MDF Room	1	250	250		-
IDF Room	2	75	150		-
General Receiving	1	228	228		-
Custodial Closet	4	50	200		-

Electrical Closet	2	100	200		
Fire Riser	1	115	115		
Mechanical Room	1	140	140		
Main Electrical Room	1	200	200	-	
Electrical Distribution Rooms	4	75	300	-	
Boiler Room	1	150	150	-	
Custodian Office/Receiving	2	75	150	4	-
Storage Outside	1	200	200	-	
Service/Support Space Subtotal			3,483	4	-

			Staff	STUDENTS Max Capacity	STUDENTS Functional Capacity
Total net Assignable Square Feet		58,787	50	486	435
Mechanical/Circulation Subtotal		5,823			
Total Gross Square Feet		64,610			
	64,610	sf			
\$	540.00	cpsf			
\$	34,889,400.00	building cost			

Outdoor Programme					
Grass Play Field	1	27,160			
Younger Age Playground	1	5,000			
Older Age Playground	1	3,575			
Outdoor Learning Space Subtotal		37,735			not included in total square footage

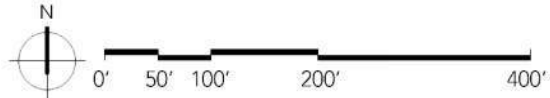


PICKUP/ DROP-OFF LEGEND

- 1 PARENT
- 2 BUS
- 3 SPECIALIZED BUS
- 4 SERVICE YARD
- 5 STORM WATER DETENTION
- 6 OUTDOOR PLAY AREA
- 7 OUTDOOR ART AREA
- 8 GRASS PLAY FIELD

DEPARTMENT LEGEND

- ADMIN
- ATHLETICS
- CLASSROOM
- CTE
- FINE ARTS
- FOOD SERVICE
- MEDIA CENTER
- SERVICE/SUPPORT
- SPECIAL EDUCATION





Glazed Brick
(Accent)



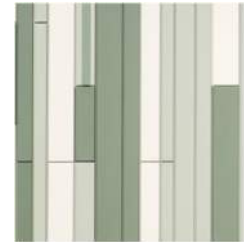
Wood-Look Soffit



Dark Brick



Light Brick



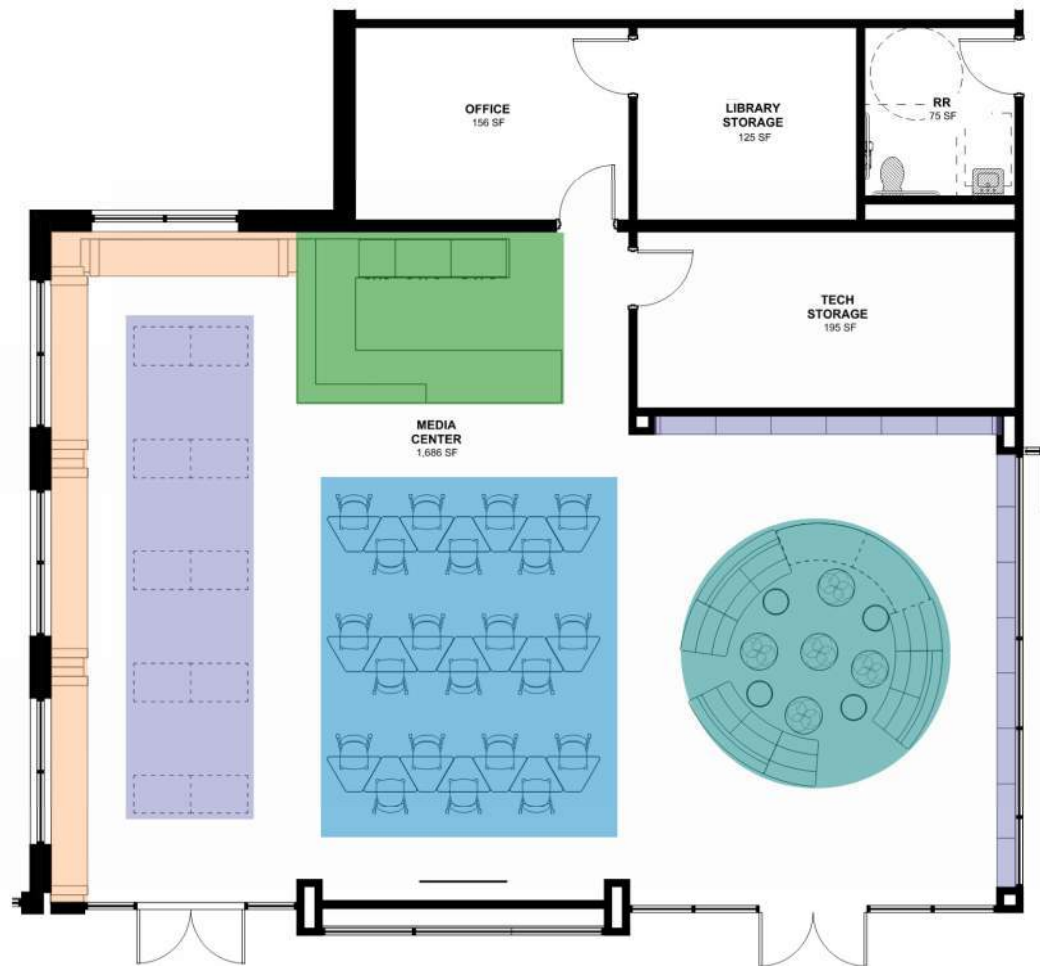
Multi-Color Metal Panel











MEDIA CENTER ZONES LEGEND

- CIRCULATION DESK
- BOOKSHELVES
- TEACHING AREA
- READING NOOKS
- GROUP SEATING



Media Center



Media Center



Media Center



CTE Collab



CTE Collab