

*new elementary school #21 – denton isd*



*overall site plan*



*sustainable*



*educational*



*flexible*



*efficient*



overall floor plan

existing floorplan	proposed new floorplan
building - 83,500 sf	building - 79,034 sf
pre-kindergarten addition - 2,106 sf	pre-kindergarten addition - 2,106 sf
gymnasium addition - 1,025 sf	gymnasium addition - 1,025 sf
central receiving addition - 167 sf	central receiving addition - 167 sf
total - 86,798 sf	total - 82,332 sf
	net reduction - 4,466 sf



sustainable



educational



flexible

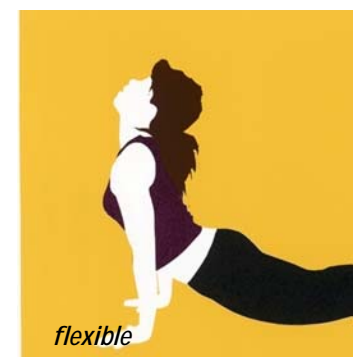


efficient

## Cost Estimate Considerations

<i>Construction Budget (on-site work only):</i>		\$15,064,056
<i>Current Estimate of Cost (using current prototype):</i>		\$15,140,000
<i>Simplify Current Design (4,466 square foot reduction):</i>		(\$575,000)
<i>Add PK Clrms. and Central Receiving &amp; Expand Gym (3,300 s.f.):</i>		\$465,000
<i>Add Geo-Exchange HVAC System (add \$325k if pre-treatment):</i>	\$425,000	
<i>HVAC System:</i>	\$660,000	
<i>Eliminate Parapets:</i>	(\$120,000)	
<i>Reduce Roof Drainage System:</i>	(\$45,000)	
<i>Change to Flex Roof System:</i>	(\$85,000)	
<i>Add Mechanical Mezzanine in Gym:</i>	\$10,000	
<i>Improve Classroom Quality:</i>		\$680,000
<i>Light Monitors (\$8,000 per clrm. @ 38):</i>	\$304,000	
<i>Add Windows/Shelves (\$5,000 per clrm. @ 45):</i>	\$225,000	
<i>Pendent Lighting (\$600 per clrm. @ 45):</i>	\$27,000	
<i>Raise Ceiling to Accommodate Geothermal</i>	\$120,000	
<i>Add Daylight Harvesting</i>		\$75,000
<i>Controls @ \$1,200 per clrm. @ 45:</i>	\$54,000	
<i>Controls for Offices/Common Spaces:</i>	\$21,000	
<i>Bioswale (includes elimination of gutters/downspouts)</i>		\$40,000
<b>Total:</b>		<b>\$15,750,000</b>
<b>Amount over Budget:</b>		<b>\$685,000</b>

*initial cost estimation*



2007 bond elementary #21 – project schedule

*schematic design presentation/approval*

*complete contract documents*

*issue plans to bidders*

*receipt of bids*

*school board approval of guaranteed maximum price*

*start construction*

*substantial completion /school district move in july 1, 2009*

*december 9, 2008*

*march 26, 2009*

*march 27, 2009*

*april 23, 2009*

*may 26, 2009*

*may 27, 2009*

*overall project schedule*

