

# Buford-Thompson Company

**Project:** HS Renovations & Additions; Acton/Roberson Gyms-90% QC CD Estimate  
**Location:** Granbury ISD **Construction Budget \$55,663,200**  
**Job No.:** 89.3 **Controlled Vestibule Cost \$ 3,574,098**  
**New Bldg.SF:** 151,317 **Remaining Construction Budget \$52,089,102**  
**Renov Bldg.SF:** 218,012

**Project Type:** School Bldg.  
**Date:** 9.11.14  
**Total Cost:** 51,261,067  
**SF/Cost Bldg.:** \$138.80

Duration 21 Months

Spec. Section	Scope of Work	Previous Estimate	Estimate QTY	Unit Measure	Material	Subcontractor	Total
01-100-00	<b>General Conditions (Supervision for 92 weeks)</b>	1,673,172			1,673,172	0	1,673,172
99-235-20	Construction Manager Fee	1.45%	718,566		743,285	0	743,285
	<b>Design Contingency</b>	<b>0.50%</b>	<b>743,344</b>		<b>256,305</b>	<b>0</b>	<b>256,305</b>
	Estimating Contingency	0.00%	577,357		0	0	0
	<b>Construction Contingency</b>		<b>1,495,404</b>		<b>1,500,000</b>	<b>0</b>	<b>1,500,000</b>
	<b>Allowances</b>						
	Project Sign		750			750.00	750.00
	<b>Off-Site Utilities</b>		<b>0</b>			<b>50,000.00</b>	<b>50,000.00</b>
	<b>Auditorium Lighting and AV</b>		<b>0</b>			<b>180,000.00</b>	<b>180,000.00</b>
	Indoor Air Quality		65,725			65,725.00	65,725.00
02-100-00	<b>Package 2A - Demolition</b>	941,126				953,320	953,320
	Site Demolition		72,157	sf			
	Building Demolition		36,000	sf			
	Interior Selective Demolition		162,851	sf			
	<b>Asbestos Abatement - by Owner</b>						
03-100-00	<b>Package 3A - Concrete</b>	5,777,767				5,945,900	5,945,900
	Building Foundation		151,317	sf			
	Rock Excavation ASSUMED NONE						
	Drilled Piers-straight shaft						
	18" Assumed 40' Deep		600	ea			
	Pier Casing (Assume 50% of Piers to case)		300	ea			
	Slab on Deck - 2nd Floor; Mezzanines		27,055	sf			
	Elevator Pit		1	ea			
	<b>Slab Re-pours for Plumbing</b>		<b>10,000</b>	<b>sf</b>			
	Topping Slab		1,291	sf			
	Locker Benches		2,398	sf			
	Ramps		775	sf			
	Steps		423	lf			
	Pan Stairs		918	sf			
	<b>Retaining Walls</b>		<b>6,701</b>	<b>sf</b>			
	<b>Sheet Piling</b>		<b>290</b>	<b>lf</b>			
	Concrete Paving with curbs		348,621	sf			
	Concrete Sidewalks		66,150	sf			
	ADA Ramps		8	ea			
	Transformer Pad		1	ea			
	Lightpole bases		30	ea			
	Dumpster Pads		3	ea			
03-100-10	<b>Package 3B - Sealed/Stained Floors</b>	27,532				27,532	27,532

	Pigmented & Sealed Concrete Floors		4,301	sf			
	Sealed Concrete Floors		22,186	sf			
<b>03-100-15</b>	<b>Package 3C - Insulating Concrete Forms</b>	w/masonry				826,200	826,200
	ICF Walls	794,512	46,736	sf			
<b>04-100-00</b>	<b>Package 4A - Masonry</b>	4,055,500				3,042,500	3,042,500
	Face Brick		235,000	ea			
	Smooth Face CMU, Integral Color		26,000	ea			
	Regular CMU		167,000	ea			
	Cast Stone Trim		1,400	lf			
	Stone Masonry Veneer		25,500	sf			
<b>05-100-00</b>	<b>Package 5A - Structural/Misc.</b>	2,200,982				2,055,474	2,055,474
	Fabricate and Deliver & Erect Structural		301	tons			
	Fabricate and Deliver & Erect Joists		160	tons			
	Fabricate and Deliver & Erect Metal Deck		1,927	squares			
	Fabricate and Deliver & Erect Steel Stairs		5	ea			
	Steel Railings		586	lf			
<b>05-100-00</b>	<b>Package 5B - Decorative Railing</b>	w/structural				440,544	440,544
	Fabricate and Deliver & Erect Decorative Railing		1,416	lf			
<b>05-100-00</b>	<b>Package 5C - Platform Scaffolding</b>	0				100,000	100,000
	Fabricate and Deliver & Erect Platform Scaffolding-Auditorium		11,000	sf			
<b>06-100-00</b>	<b>Package 6A - Millwork/Finish Carpentry</b>	375,000				512,510	512,510
	PLAM Base/Uppers and Tops		751	lf			
	Reception Desk		25	lf			
	Teacher Cabinets		95	ea			
	Art labs - w/solid surface tops		225	lf			
<b>06-100-15</b>	<b>Package 6B - Rough Carpentry</b>	195,000				195,000	195,000
	Blocking - bldg Area		350,832	sf			
<b>07-100-00</b>	<b>Package 7B - Thermal and Moisture Protection</b>	647,105				694,093	694,093
	Sheet Waterproofing		68,782	sf			
	Weather Barrier		79,817	sf			
	Flashings		9,846	lf			
	Joint Sealants		16,293	lf			
<b>07-200-00</b>	<b>Package 7A - Roofing and Metal Wall Panels</b>	1,755,350				1,637,240	1,637,240
	Flexible Sheet Roofing (PVC)		122,700	sf			
	Fill in roof at building removal - cafeteria area		4,000	sf			
	Metal Wall Panels @ Elem. Gyms		8,900	sf			
	Re-roof at Cafeteria		18,000	sf			
<b>07-200-10</b>	<b>Package 7D - Expansion Joint Assemblies</b>	57,645				57,645	57,645
	Expansion Joint Covers		1,691	lf			

	<b>Package 7E - Composite Metal Wall Panels</b>		w/roofing				268,528	268,528
	Exist Auditorium/Stage, 9th Grade, CTE			8,680	sf			
<b>08-100-00</b>	<b>Package 8C - Doors, Frames and Hardware</b>		856,656				911,309	911,309
	Furnish Doors			521	ea			
	Furnish Sound Control Door Assemblies			23	ea			
	Furnish Door Hardware			521	ea			
	<b>Furnish Door Hardware @ Existing Doors</b>			<b>128</b>	<b>ea</b>			
	Furnish Door Hardware @ Aluminum Doors			82	ea			
<b>08-100-10</b>	<b>Package 8D - Door Installation</b>		107,055				119,400	119,400
	Install Doors			521	ea			
	Install Sound Control Door Assemblies			23	ea			
	Install Door Hardware			521	ea			
	<b>Install Door Hardware @ Existing Doors</b>			<b>128</b>	<b>ea</b>			
	Install Door Hardware @ Aluminum Doors			82	ea			
	Unload and stage frames			490	ea			
<b>08-300-00</b>	<b>Package 8B - Overhead Doors/Dock Equipment</b>		63,632				46,088	46,088
	Coiling Overhead Doors (ALL MOTORIZED)			15	ea			
	Coiling Counter Doors - Manual			2	ea			
<b>08-400-00</b>	<b>Package 8A - Glass &amp; Glazing</b>		989,000				1,097,000	1,097,000
	<b>Nanawall @ Art Rooms</b>			3	ea			
	Glazing Openings			468	ea			
	Aluminum Doors/Frames			70	ea			
	Aluminum Windows			58	ea			
	Aluminum Storefront			14	ea			
	Aluminum Curtain Wall			111	ea			
	Mirrors in Dance			2,000	sf			
	Remove Existing Clerestory Windows and Install New Aluminum Windows			800	sf			
<b>09-100-00</b>	<b>Package 9J - Plaster</b>		13,000				5,030	5,030
	High School Soffits			121	sf			
	Existing Field House Soffits			200	sf			
	Acton Elementary Gym Soffits			200	sf			
<b>09-200-00</b>	<b>Package 9A - Drywall/Acoustical</b>		2,780,560				2,922,300	2,922,300
	<b>Drywall</b>							
	Exterior Walls			3,229	lf			
	Interior Walls			12,900	lf			
	<b>Ceilings</b>							
	Acoustical			207,918	sf			
	Gypsum			38,000	sf			
	<b>Special-Armstrong Blade - \$1,448,600</b>			<b>19,844</b>	<b>sf</b>			
	Acoustical Wall Panels			7,060	sf			
	<b>Remove and re-install suspended wood ceiling panels in the Auditorium</b>			<b>63</b>	<b>ea</b>			
	Suspended Acoustical Panels			60	ea			
<b>09-300-00</b>	<b>Package 9B - Ceramic Tile</b>		457,727				868,998	868,998

	High School Ceramic Corridor Wainscot Tile and Full Height (9') Toilet Walls			78,550	sf			
	Ceramic Floor Tile			2,300	sf			
<b>09-400-00</b>	<b>Package 9C - Carpet/Resilient Flooring</b>		1,073,704				897,317	897,317
	Carpet tile			3,400	sy			
	VCT			233,280	sf			
	SVT			11,115	sf			
	Base-rubber			36,480	lf			
	Final clean finished floor; final coat/wax			244,395	sf			
	Protect final floor			274,995	sf			
	Attic Stock			5,500	sf			
<b>09-500-00</b>	<b>Package 9F - Wood Athletic Flooring</b>		36,070				36,070	36,070
	Wood Flooring							
	Multi purpose gym			3,429	sf			
<b>09-900-00</b>	<b>Package 9D - Painting</b>		987,713				971,477	971,477
	New Construction bldg Area			132,820	sf			
	Renovation bldg area			202,043	sf			
	Tennis /Baseball bldg area			5,932	sf			
	Field House bldg area			10,637	sf			
	James Wann bldg area			5,279	sf			
	Acton/Roberson Gyms			11,065	sf			
	Electrostatic Paint Lockers in Field House			377	ea			
<b>09-600-20</b>	<b>Package 9E - Resinous Flooring</b>		177,685				177,685	177,685
	Resin flooring			16,735	sf			
	Integral cove base			4,700	lf			
<b>09-600-30</b>	<b>Package 9H - Resilient Athletic Flooring</b>		78,283				64,770	64,770
	Athletic Flooring			14,580	sf			
<b>10-100-00</b>	<b>Package 10A - Toilet Partitions and Accessories</b>		195,116				224,978	224,978
	<b>Miscellaneous Specialties</b>							
	Toilet Partitions			137	ea			
	Urinal Screens			36	ea			
	<b>Toilet Accessories</b>			766	ea			
	<b>Package 10B - Visual Display Boards</b>		38,760				42,298	42,298
<b>10-100-20</b>	Marker Boards			158	ea			
	Tack Boards			4	ea			
<b>10-100-30</b>	<b>Package 10F - Folding Partitions</b>		49,455				37,580	37,580
	Folding Panel Partitions			4	ea			
<b>10-100-40</b>	<b>Package 10G - Display Cases</b>		27,400				27,400	27,400
	Academic Corridors and Public Corridors - 10"W x 5'-4" H x 1'-4"D			4	ea			
<b>10-200-00</b>	<b>Package 10D - Signage</b>		99,929				99,572	99,572
	Identifying Devices			683	ea			
	Exterior Building Letters - GRANBURY HIGH SCHOOL			607	ea			
	Marquee Sign Allowance			1	ea			
	Post and Panel Signs			7	ea			

	Dedication Plaques		2	ea			
<b>10-300-00</b>	<b>Package 10C - Lockers</b>	96,200				197,000	197,000
	18x18x36 DT lockers w/ loose pad locks						
	Baseball/Soccer/Tennis		98	frames			
	High School		204	frames			
	James Wann		75	frames			
<b>10-700-00</b>	<b>Package 10E - Walkway Covers</b>	75,040				113,955	113,955
	Canopy @ New Tennis/Baseball Locker Rooms		152	sf			
	<b>Canopies over Exterior Doors</b>		<b>1,082</b>	<b>sf</b>			
	<b>Canopy @ Wash Bay</b>		<b>495</b>	<b>sf</b>			
	<b>Canopy @ Gas/Metal Storage</b>		<b>252</b>	<b>sf</b>			
	Canopy @ Air Compressor		72	sf			
	Window Awnings @ 1st Floor 9th Grade		512	sf			
<b>10-100-50</b>	<b>Package 10H - Miscellaneous Specialties</b>	45,450				64,050	64,050
	Fire Extinguishers and Cabinets		60	ea			
	Cubicle Curtains		9	ea			
	Knox Box		5	ea			
	Flag Pole - Material & Installation		2	ea			
	Kiln		1	ea			
	Whirlpool Tubs		2	ea			
	Relocate Existing Lifts		2	ea			
<b>11-400-00</b>	<b>Package 11A - Food Service Equipment</b>	425,000				260,460	260,460
	Furnish and Install Equipment		54	ea			
	Install Owner Furnished Equipment		28	ea			
<b>11-500-00</b>	<b>Package 11B - Residential Appliances</b>	32,800				32,800	32,800
	Refrigerators		2	ea			
	Cooktops		2	ea			
	Vent-A-Hood		2	ea			
	Built-in Oven/Microwave Combo		2	ea			
	Dishwasher		3	ea			
	Dispoal		3	ea			
	Washer		2	ea			
	Dryer		2	ea			
	Ice Machines		1	ea			
<b>11-600-00</b>	<b>Package 11C - Gymnasium Equipment</b>	50,000				10,000	10,000
	Wood wall railing for dance		200	lf			
	Roberson/Acton Gyms-Basketball Goals		12	ea			
<b>11-600-20</b>	<b>Package 11D - Stage Equipment/Curtains</b>	31,590				31,590	31,590
	Stage Curtains in the Black Box/Theater Classroom		1	ea			
<b>11-600-30</b>	<b>Package 11G - Projection Screens</b>	115,406				112,662	112,662
	Manual Screen		70	ea			
	Motorized Screen		6	ea			
	Projector Mounts		76	ea			
	Projectors		76	ea			
<b>12-200-00</b>	<b>Package 12A - Window Blinds</b>	20,000				20,000	20,000
	Horizontal Blinds		170	ea			

<b>12-300-00</b>	<b>Package 12B - Lab Equipment</b>	1,015,887				795,000	795,000
	Laboratory Casework/Equipment						
	Prep and Storage Rooms		5	rooms			
	Forensics Lab		1	rooms			
	Aquatics Lab		1	rooms			
	Science Labs		2	rooms			
	Chemistry Labs		4	rooms			
	Physics Labs		5	rooms			
<b>12-400-00</b>	<b>Package 12C - Fixed Auditorium Seating</b>	198,000				0	0
	Fixed seating			Owner			
<b>12-500-00</b>	<b>Package 12F - Lecture Seating</b>	19,500				42,974	42,974
	Bases with swing-away arms		120	ea			
<b>12-600-00</b>	<b>Package 12G - Musical Instrument Storage Cabinets</b>	62,140				81,500	81,500
	Musical Instrument Storage Cabinets @ Band Hall/Instrument Storage		49	ea			
<b>12-700-00</b>	<b>Package 12H - Library Casework/Equipment</b>	0				0	Owner
<b>13-300-00</b>	<b>Package 13D - Greenhouse</b>	80,000				75,370	75,370
	Greenhouse		240	sf			
<b>13-400-00</b>	<b>Package 13B - Band Tower</b>	50,000				50,000	50,000
	Band Tower/Foundations		1	ea			
<b>14-200-00</b>	<b>Package 14A - Elevators</b>	60,000				52,150	52,150
	Hole-Less Hydraulic Otis Hydrofit 3500Lbs		1	ea			
<b>21-100-00</b>	<b>Package 21A - Fire Suppression</b>	632,000				689,818	689,818
	New Construction bldg Area		132,820	sf			
	Renovation bldg area		202,043	sf			
	James Wann bldg area		8,500	sf			
<b>22-100-00</b>	<b>Package 22A - Plumbing</b>	1,987,300				1,959,820	1,959,820
	Re-Route Underground Gas Line Assumed 4"		434	lf			
	New Gas Line		625	lf			
	High School						
	Toilets		117	ea			
	Urinals		31	ea			
	Bradley Lavatory		39	ea			
	Lavatory		20	ea			
	Single Compartment Sink		1	ea			
	Double Compartment Sink		1	ea			
	Mop Basin w/faucet		6	ea			
	Showers		10	ea			
	Washer Hook up		1	ea			
	Emergency Eye Wash/ Shower		2	ea			
	Tennis / Baseball / Softball Locker Rooms						
	Toilets		8	ea			
	Urinals		4	ea			
	Bradley Lavatory		4	ea			



<b>28-100-00</b>	<b>Package 28A - Access Control System</b>		233,931				214,900	214,900
	Card Readers			30	ea			
	Door Position Sensors			48	ea			
	Request to Exit			18	ea			
	Cameras			0	ea			
	Video Management Server			0	ea			
	S2 Access Control System			30	Doors			
	IP Cameras w/Video Management Software			0	ea			
<b>28-200-00</b>	<b>Package 28B - Fire Alarm System</b>		w/Electrical				600,000	600,000
	New Construction bldg Area			132,820	sf			
	Renovation bldg area			202,043	sf			
	Tennis /Baseball bldg area			5,932	sf			
	Field House bldg area			10,637	sf			
	James Wann bldg area			5,279	sf			
	Acton/Roberson Gyms			11,065	sf			
<b>31-100-00</b>	<b>Package 31A - Earthwork</b>		1,136,790				1,080,900	1,080,900
	Site Preparation			1	ls			
	Earthwork			1	ls			
	Building Subgrade Preparation			151,317	sf			
	Lime Stabilization			348,621	sf			
<b>31-200-00</b>	<b>Package 31B - Termite Control</b>		19,932				18,272	18,272
	Specified Insecticide - Bldg Additions			134,320	sf			
	Specified Insecticide - Tennis / Baseball Locker Bldg			5,932	sf			
	Acton/Roberson Gyms			11,065	sf			
<b>32-100-00</b>	<b>Package 32B - Segmental Retaining Wall</b>		200,378				0	Deleted
	Stacked Block Retaining Wall			-	sf			
<b>32-200-00</b>	<b>Package 32D - Landscape and Irrigation System</b>		204,313				167,571	167,571
	Bermuda Sod			135,289	sf			
	Mulch/Compost for Trees and Beds			145	ea			
	Shrubs			770	ea			
	Trees			66	ea			
	Irrigation System			1	ls			
<b>32-300-00</b>	<b>Package 32E - Pavement Markings</b>		25,381				25,381	25,381
	Striping			17,000	lf			
	Sweep Areas to be Striped			100,300	sf			
	Pole Mounted Handicap Signage			25	ea			
	Pole Mounted Parking Signage			1	lot			
	Stain Handicap Ramps			25	ea			
	Rifle Range Floor Stripes (Interior)			433	lf			
<b>32-300-00</b>	<b>Package 32F - Fencing</b>		15,780				63,306	63,306
	Chain Link Fencing @ Acton Elementary Gym			25	lf			
	Chain Link Fencing @ Roberson Elementary Gym			48	lf			
	24' Vehicle Gates			2	ea			
	Dumpster Enclosure Gates			2	ea			
	Secure Track Slide Gates 6' x 18'			1	ea			



<b>33-100-00</b>	<b>Package 33A - Site Utilities</b>		298,561				312,592	312,592
	Water Line -Domestic and Fire			2,480	lf			
	Sanitary Sewer Line and Roof Drains			336	lf			
	Sanitary Sewer Man Holes Assumed 5' Dia			1	ea			
	Storm Drainage			582	lf			
<b>00-000-00</b>	<b>Acton/Roberson Gyms</b>		w/above				2,310,299	2,310,299
	<b>Construction Costs</b>		<b>49,846,792</b>			<b>4,172,763</b>	<b>47,088,304</b>	<b>51,261,067</b>