PROJECT COVER SHEET

SA&E PROJECT NUMBER: 01-615-057 (ADD ALT. #1)

BID PACKAGE / PHASE: BP#1

ISSUED FOR CONSTRUCTION: 10-15-2019 (Revised: 11-04-2019)

PROJECT TITLE

ADD ALTERNATE #1 TO 01-615-056 HEARD COUNTY HIGH SCHOOL GYMNASIUM & AUDITORIUM

ADDENDUM #1 DATED 11.04.2019 HAS BEEN INCLUDED IN THIS SET OF DRAWINGS

NEW:

HEARD COUNTY BOARD OF EDUCATION OFFICE

SKYVIEW DRIVE, FRANKLIN, GA 30217

FOR:

HEARD COUNTY SCHOOLS

FRANKLIN, GEORGIA

FACILITY INFORMATION

FACILITY SQUARE FOOTAGE:

LEVEL 01:	7,219.21 S.F.
LEVEL 02:	7,111.67 S.F.
TOTAL:	**14,330.88 S.F.**

FACILITY BUILDING CODE CLASSIFICATIONS:

TYPE OF OCCUPANCY :	**BUSINESS**
TYPE OF CONSTRUCTION:	**IBC-IIB NFPA-II (000)**
NEW BUILDING:	**SPRINKLERED**
TOTAL OCCUPANT LOAD:	**516**

Southern A&E LLC
7951 Troon Circle
Austell, Ga 30168
(770) 819-7777
architects & engineers

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LOCATION MAP

CODES

DESIGNED IN ACCORDANCE WITH THE FOLLOWING CODES:

GENERAL:

International Building, Code 2012 Edition with Georgia Amendments.
International Fire Code, 2012 Edition with Georgia Amendments.
International Energy Conservation Code, 2009 Edition with Georgia Amendments.
National Fire Protection Association Publication Number 101 (Life Safety Code), 2012 Edition.
National Fire Protection Association NFPA 13.
National Fire Protection Association NFPA 24.
National Fire Protection Association NFPA 70, 2017 Edition
National Fire Protection Association NFPA 72, 2013 Ed.
State of Georgia "Rules of Safety Fire Commissioney Chapter 120-3-3
State of Georgia Department of Education "Regulations and Procedures"
2010 ADA Standards For Accessible Design (120.3-20a)
ANSI A117.1 Providing accessibility and usability for physically handicapped people.
Local and State Codes or Regulations.

STRUCTURAL:

American Institute of Steel Construction, AISC 14 Edition
American Concrete Institute, ACI 318-11
Steel Joist Institute, SJI 2010
Building Code Requirement for Concrete Masonry Structures, ACI 530-11
ASCE 7-10 Minimum Design Loads for Buildings & Other Structures

MECHANICAL GENERAL:

Underwriters' Laboratories, Inc., Approved Materials List. Materials and apparatus of a type that have been tested and listed by UL shall be manufactured under their reinspection service and bear the UL label.
All local prevailing city and county codes.
Georgia Laws and Rules "Regulating Boilers and Pressure Vessels" by Georgia Department of Labor, Safety Engineering Section.

FIRE PROTECTION SYSTEMS:

Fire Protection Equipment List Published by Underwriters Laboratories.
NFPA-24 Installation of Privately Service Mains and Their Appurtenances, 2013 Edition.
NFPA-13 Installation of Sprinkler Systems, 2013 Edition.

PLUMBING:

International Plumbing Code, 2012 Edition with Georgia Amendments.
International Fuel Gas Code, 2012 Edition with Georgia Amendments.
L. P. Gas Code - GA 120-3-16 Rules and Reg. for LP Gases

HEATING, VENTILATION, & AIR CONDITIONING:

International Mechanical Code, 2012 Edition.
Air Conditioning and Ventilating Systems- NFPA Standard 90A, 2012 edition.
HVAC Duct Construction Standards Metal and Flexible, 3rd. Edition 2005, Published by SMACNA.
Fire, Smoke and Radiation Damper Installation Guide, 5th. Edition 2002, Published by SMACNA.
Vapor Removal from Cooking Equipment - NFPA Standard 96, 2011 Edition.

ELECTRICAL GENERAL

(most recent edition, unless noted):

NFPA 70 (National Electrical Code), 2017 Edition
NFPA 72, (National Fire Alarm Code) 2013 Edition, with Georgia Amendments.
NFPA 37, (Standard for the Installation and Use of Stationary Combustion Engines and Gas Turbines)
NFPA 780, 2011 Edition (Lightning Protection Code)
NFPA 90A, (Air Conditioning and Ventilating Systems)
NFPA 110, 2013 Edition (Standard for Emergency and Standby Power Systems)
NFPA 30, (Flammable and Combustible Liquids Code)
All local prevailing city and county codes.

SCOPE OF WORK

THE WORK OF THIS PROJECT IS DEFINED BY THE CONTRACT DOCUMENTS AND CONSISTS OF THE NEW CONSTRUCTION FOR A BOARD OF EDUCATION OFFICE FOR THE HEARD COUNTY SCHOOL SYSTEM.

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COVER	
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C101	DEMOLITION PLAN
C102	STAKING PLAN
C103	GRADING PLAN
C104	STORM DRAINAGE PLAN
C105	ROOF DRAINAGE PLAN
C106	EPHESUS REPAVING
C201	EROSION CONTROL NOTES
C202	EROSION CONTROL NOTES
C203	PREDEVELOPED BASIN
C204	POST DEVELOPED BASIN
C205	NPDES FORMS
C206	EROSION CONTROL PLAN PHASE I
C207	EROSION CONTROL PLAN PHASE II
C208	EROSION CONTROL PLAN PHASE III
C301	STORM PIPE PROFILES
C501	CONSTRUCTION DETAILS
C502	CONSTRUCTION DETAILS
C503	CONSTRUCTION DETAILS
C504	CONSTRUCTION DETAILS
C505	CONSTRUCTION DETAILS
C506	CONSTRUCTION DETAILS
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L501	PLANTING DETAILS
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A101	FLOOR PLANS
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A103	ROOF PLAN
A201	ELEVATIONS
A301	BUILDING SECTIONS
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A303	WALL SECTIONS
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A501	MILLWORK DETAILS
A502	MILLWORK DETAILS
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A504	STAIR & ELEVATOR DETAILS
A505	STAIR & ELEVATOR DETAILS
A506	EXTERIOR STAIR DETAILS
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A602	SCHEDULES
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A702	UL1
A703	UL2
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P301	PLUMBING RISER DIAGRAMS
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P601	PLUMBING SCHEDULES
MECHANICAL	
M101	MECHANICAL HVAC PLAN
M501	MECHANICAL EQUIPMENT DETAILS
M601	MECHANICAL EQUIPMENT SCHEDULES
M701	MECHANICAL EQUIPMENT CONTROLS
ELECTRICAL	
E001	ELECTRICAL LEGENDS
E002	LIGHTING FIXTURE SCHEDULE
E003	MECHANICAL EQUIPMENT CONNECTION SCHEDULE
E004	ELECTRICAL SITE PLAN
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E102	POWER PLAN
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E104	CABLE SUPPORT PLAN
E201	ELECTRICAL ELEVATIONS
E501	DETAILS
E502	DETAILS
E503	DETAILS
E504	DETAILS
E505	DETAILS
E506	DETAILS
E507	DETAILS
E601	RISER DIAGRAMS & PANELBOARD SCHEDULES

KEYNOTES

31 10 00		Site Clearing	
31 20 00		Earth Moving	
	A	Subgrade	
	B	Drainage Course	
32 18 23		Athletic Surafacing & Paving (Polyurethane)	
32 18 25		Athletic Surfacing & Paving (Latex)	
32 12 16		Asphalt Paving	
32 13 13		Concrete Paving	
32 13 13		Tennis Court Paving & Surfacing	
32 14 00		Unit Pavers	
32 31 13		Chain Link Fences & Gates	
32 32 23		Segmental Retaining Walls	
33 41 00		Storm Utility Drainage Piping	
33 46 00		Subdrainage	
	A	Drainage Pipe & Fittings	
	B	Drainage Fill	
03 30 00		Cast-In-Place Concrete	
	A	Concrete	
	B	Steel Reinforcement	
	C	Welded Wire Fabric	
	D	Vapor Barrier	
	E	Bond-Breaker Strips	
03 41 00		Plant-Precast Structural Concrete	
03 45 00		Precast Architectural Concrete	
03 51 13		Cementitious Wood-Fiber Deck	
03 52 16		Lightweight Insulating Concrete	
04 20 00		Unit Masonry	
	A	Face Brick	
	B	Concrete Block	
	C	Mortar & Grout	
	D	Masonry Joint Reinforcement	
	E	Control Joints	
	F	Embedded Flashing	
	G	Masonry Anchors	
	H	Cavity Drainage Material	
04 23 00		Glass Unit Masonry	
04 72 00		Cast Stone Masonry	
05 12 00		Structural Steel	
05 21 00		Steel Joist Framing	
05 31 00		Steel Deck	
05 40 00		Cold-Formed Metal Framing	
05 50 00		Metal Fabrications	
	A	Steel Ladder	
	B	Ladder Safety Cage	
	C	Steel Ship's Ladder	
	D	Loose Bearing & Leveling Plates	
	E	Loose Steel Lintels	
	F	Shelf Angles	
	G	Strut System Channel Framing	
	H	Miscellaneous Steel Framing	
	J	Loading Dock Edge Angle	
	K	Metal Floor Plate & Support Frame	
	L	Pipe Bollard	
	M	Cast Nosing, Treads & Threshold	
	N	Student Toilet Tissue Dispenser	
05 51 00		Metal Stairs	
	A	Stair Framing	
	B	Metal Risers	
	C	Metal Subtreads	
05 52 13		Pipe & Tube Railing	
05 71 13		Fabricated Spiral Stairs	
06 10 53		Miscellaneous Rough Carpentry	
	A	Wood Nailers & Blocking	
06 16 00		Sheathing	
	A	Plywood Sheathing	
	B	Oriented Strand Board Sheathing	
	C	Glass-Mat Gypsum Sheathing	
	D	Cementitious Tile Backer Units	
	E	Composite Nail Base Insulated Sheathing	
06 20 13		Exterior Finish Carpentry	
06 20 23		Interior Finish Carpentry	
06 41 13		Wood Veneer Faced Cabinets	
	A	Cabinet Materials	
		1 Solid Hardwood Lumber	
		2 Particleboard	
		3 Softwood Exterior Grade Plywood	
		4 Hardwood Plywood	
		5 High-Pressure Laminate	
		6 Solid-Surfacing Material	
	B	Hardware & Accessories	
		1 Knobs & Pulls	
		2 Drawer & Door Locks	
		3 Shelf Standards & Supports	
06 41 16		Plastic Laminate Faced Cabinets	
	A		
		1 Solid Hardwood Lumber	
		2 Particleboard	
		3 Softwood Exterior Grade Plywood	
		4 Hardwood Plywood	
		5 High-Pressure Laminate	
		6 Solid-Surfacing Material	
	B	Hardware & Accessories	
		1 Knobs & Pulls	
		2 Drawer & Door Locks	
		3 Shelf Standards & Supports	
06 64 00		Plastic Panelling	
07 11 13		Bituminous Dampproofing	
07 13 26		Self-Adhering Sheet Waterproofing	
	A	Vertical Surface	
	B	Horizontal Surface	
07 14 16		Cold Fluid-Applied Waterproofing	
07 18 00		Traffic Coatings	
07 21 00		Thermal Insulation	
	A	Extruded Polystyrene Board	
	B	Foil-faced Polyisocyanurate Board	
	C	Unfaced Glass-Fieber Blankets	
	D	Kraft Faced Glass-Fiber Blankets	
	E	Sound Attenuation Blankets	
	F	Mineral Wool Blankets	
	G	Spray Polyurethane Foam	
	H	Self-Adhering Sheet Air Barrier	
07 24 13		Standing Seam Metal Roof Panels	
	A	Roof Panels	
	B	Flashing & Trim	
	C	Ridge & Rake Cap	
	D	Gutter	
	E	Downspout	
	F	Roof Curb	
	G	Exstruded Polystyrene Board Insulation	
	H	Underlayment Material	
07 42 13	13	Formed Metal Wall Panels	
07 42 13	23	Metal Composite Material Wall Panels	
07 42 17		Metal Soffit Panels	
07 46 46		Fiber-Cement Sicing	
07 52 16		SBS Modified Bituminous Membrane Roofing	
	A	Modified Bituminous Membrane Sheet	
	B	Substrate Board	
	C	Insulation Board	
	D	Cover Board	
	E	Flashing Membrane	
	F	Walkway Pads	
07 53 23		EPDM Roofing	
	A	EPDM Membrane Sheet	
	B	Substrate Board	
	C	Insulation Board	
	D	Cover Board	
	E	Flashing Membrane	
	F	Walkway Pads	
07 54 23		TPO Roofing	
	A	TPO Membrane Sheet	
	B	Substrate Board	
	C	Insulation Board	
	D	Cover Board	
	E	Flashing Membrane	
	F	Walkway Pads	
07 62 00		Sheet Metal Flashing & Trim	
	A	Base Flashing	
	B	Roof Penetration Flashing	
	C	Cavity Wall & Rain Screen Wall Flashing	
	D	Equipment Support Flashing	
	E	Safety Pans	
	F	Underlayment Material	
07 71 00		Roof Specialties	
	A	Copings	
	B	Roof Edge Flashings	
	C	Gutters	
	D	Downspouts	
	E	Scuppers	
	F	Conductor Heads	
	G	Reglets	
	H	Counterflashing	
	J	Underlayment Material	
07 71 29		Manufactured Roof Expansion Joints	
	A	Bellows-Type Roof Expansion Joint	
	B	Aluminum Roof Expansion Joints	
07 72 00		Roof Accessories	
	A	Roof Curb	
	B	Equipment Support	
	C	Roof Hatch	
	D	Pre-Formed Flashing Sleeve	
	E	Fall Protection Safety Rail System	
07 81 00		Applied Fireproofing	
07 84 13		Penetration Firestopping	
07 84 46		Fire Resistive Joint System	
07 92 00		Joint Sealants	
07 95 00		Expansion Control	
	A	Pedestrian Traffic Joints	
	B	Wall Joints	
	C	Ceiling Joints	
08 11 13		Hollow Metal Doors & Frames	
08 14 16		Flush Wood Doors	
08 32 10		Fiberglass Reinforced Doors	
08 32 17		Folding Aluminum-Framed Glass Doors	
08 33 13		Coiling Counter Doors	
08 33 23		Overhead Coiling Doors	
08 33 26		Overhead Coiling Grilles	
08 34 73		Sound Control Door Assemblies	
08 36 13		Electrically Operated Sectional Doors	
08 41 13		Aluminum Framed Entrances & Storefronts	
08 42 26		All-Glass Entrances	
08 43 26		Glazed Aluminum Curtain Walls	
08 44 13		Structured-Polycarbonate Panel Assemblies	
08 45 23		Fiberglass Sandwich Panel Skylights	
08 51 13		Aluminum Windows	
08 51 23		Steel Windows	
08 52 00		Wood Windows	
08 71 00		Door Hardware	
08 80 00		Glazing	
08 84 00		Plastic Glazing	
08 90 00		Louvers & Vents	
09 21 16	23	Gypsum Board Shaft-Wall Assemblies	
09 22 16		Non-Structural Metal Framing	
	A	Steel Studs & Runners	
	B	Channel Bridging	
	C	Furring Channel	
	D	Ceiling & Soffit Framing	
09 29 00		Gypsum Board	
	A	Interior Gypsum Board	
	B	Exterior Gypsum Board	
	C	Tile Backing Panels	
09 30 13		Ceramic Tile	
09 51 13		Acoustical Panel Ceilings	
09 62 29		Cork Flooring	
09 64 66		Wood Athletic Flooring	
09 65 13		Resilient Wall Base & Accessories	
09 65 16		Resilient Sheet Flooring	
09 65 19		Resilient Tile Flooring	
09 65 43		Linoleum Floor Coverings	
09 65 66		Resilient Athletic Flooring	
09 66 13		Terrazzo	
09 67 23		Resinous Flooring	
09 68 13		Tile Carpeting	
09 72 00		Wall Coverings	
09 77 23		Fabric Wrapped Panels	
09 84 72		Sound Absorptive Ceiling Canopies	
09 91 13		Exterior Painting	
09 91 14		Exterior Re- Painting	
09 91 23		Interior Painting	
09 91 24		Interior Re-Painting	
10 11 00		Visual Display Units	
	A	Porcelain Enamel Markerboards	
	B	Vinyl Fabric Faced Cork Tackboards	
	C	Tackable Display Rails	
10 14 16		Plaques	
10 14 19		Dimensional Letter Signage	
10 14 23		Panel Signage	
10 14 26		Message Boards	
10 21 13	19	Plastic Toilet Compartments	
10 21 23		Cubicles (Curtains & Tracks)	
10 22 39		Folding Panel Partitions	
10 28 00		Toilet Bath Accessories	
	A	Paper Towel Dispenser	
	B	Soap Dispenser	
	C	Framed Mirrors	
	D	Toilet Tissue Dispenser	
	E	Grab Bars	
	F	Shower Rod	
	G	Shower Curtain & Hooks	
	H	Towel Bar	
	J	Soap Dish	
	K	Handicapped Shower & Tub Seat	
	L	Mop & Broom Holder	
	M	Electric Hand Dryer	
	N	Surface Mounted Sanitary Napkin Disposal	
10 44 16		Fire Extinguishers & Cabinets	
	A	Portable Fire Extinguishers	
	B	Fire Extinguisher Cabinet	
		1 Semi-Recessed	
		2 Surface Mounted	
10 51 13		Metal Lockers	
	A	Corricor Lockers	
	B	Kitchen Lockers	
	C	P.E. Lockers	
	D	Athletic Lockers	
	E	Locker Room Benches	
10 56 13		Metal Storage Shelving	
	A	Post & Shelf Storage Units	
	B	Prefabricated Coat Rack	
10 73 10		Walkway & Canopy Covers	
10 73 13		Fabric Awnings	
10 73 43		Fabricated Shelters	
10 75 16		Ground - Set Flagpoles	
10 83 16		Banners	
11 12 00		Parking Control Equipment	
11 13 13		Loading Dock Bumpers	
11 31 00		Residential Appliances	
11 31 13		Comercial Appliances	
11 31 23		Cosmetology Equipment & Furnishings	
11 40 00		Food Service Equipment	
11 51 23		Library Stack Systems	
11 52 13		Projection Screems	
11 53 13		Laboratory Fume Hoods	
11 61 23		Folding & Portable Stages	
11 61 43		Stage Curtains	
11 61 73		Theather Rigging Systems	
11 66 13		Art Room Equipment	
11 66 23		Athletic Equipment	
	A	Basketball Equipment	
	B	Volleyball Equipment	
	C	Safety Pads	
	D	Divider Curtain	
	E	Scoreboards	
12 21 13		Horizontal Louver Blinds	
12 21 16		Vertical Louver Blinds	
12 24 13		Roller Window Shades	
12 32 00		Wood Library Casework (Circulation Desk)	
12 32 13		Display Casework	
12 35 53	16	Plastic Laminate Clad Laboratory Casework	
12 35 53	19	Wood Laboratory Casework	
12 48 13		Entrance Floor Mats & Frames	
12 61 00		Fixed Audience Seating	
12 66 00		Telescoping Stands	
13 34 19		Metal Building Systems	
	A	Primary Framing	
	B	End Wall Framing	
	C	Secondary Framing	
		1 Purlins	
		2 Girts	
		3 Eave Struts	
	D	Canopy Framing	
	E	Roof Panels	
		1 Thermal Spacer Block	
		2 Backing Plate	
	F	Wall Panels	
	G	Wall Liner Panels	
	H	Soffit Panels	
	J	Accessories	
		1 Flashing & Trim	
		2 Ridge & Rake Cap	
		3 Gutter	
		4 Downspout	
		5 Roof Curb	
		6 Closures	
		7 Pipe Flashing	
		8 Continuous Eave Vent	
	K	Vinyl Faced Glass-Fiber Blanket Insulation	
	L	Extruded Polystyrene Board Insulation	
	M	Underlayment Material	
14 24 00		Hydraulic Elevators	
14 42 00		Wheelchair Lifts	

WARNING:

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