

MOUNTAIN BROOK JUNIOR HIGH SCHOOL

ADDITIONS & RENOVATIONS - MOUNTAIN BROOK SCHOOLS

CONSTRUCTION DOCUMENTS

DAVIS ARCHITECTS PROJECT NO. 3469

STATE OF ALABAMA BUILDING COMMISSION NUMBER: 2006094

APRIL 24, 2007



MOUNTAIN BROOK SCHOOLS



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MOUNTAIN BROOK JUNIOR HIGH SCHOOL
ADDITIONS & RENOVATIONS - MOUNTAIN BROOK SCHOOLS
MOUNTAIN BROOK, ALABAMA



DAVIS ARCHITECTS



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To order plans, go to www.idirepro.com

GENERAL NOTES	PROJECT TEAM	LIST OF DRAWINGS	DRAWING SYMBOLS	ABBREVIATIONS																																																																																																																																																																																				
<ol style="list-style-type: none"> THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, REGULATIONS, RULES AND LAWS OF LOCAL, MUNICIPAL, OR STATE AUTHORITIES HAVING JURISDICTION. DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE ARCHITECT BEFORE CONTINUING WITH CONSTRUCTION. THE CONTRACTOR SHALL VERIFY ALL SITE ELEVATIONS AND EXISTING FINISH FLOOR HEIGHTS AND DIMENSIONS FOR COORDINATION WITH HER WORK ON THE JOB AND BE RESPONSIBLE FOR THE SAME. THE EXISTING CONDITIONS AND DIMENSIONS SHOWN ON THE DRAWINGS CONTAINED HEREIN ARE ASSURED BY THE ARCHITECT BASED ON AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS ON THE JOB SITE AND NOTIFY THE ARCHITECT OF DEVIATIONS FROM THESE DRAWINGS. THE CONTRACTOR SHALL CHECK ALL DIMENSIONS OF EXISTING AREAS IN WHICH WORK IS TO BE DONE. MAKE AND/OR CHANGES ON DIMENSIONS WHERE NECESSARY TO COORDINATE THE FIT OF THE WORK IN ACCORDANCE WITH THE SPONSOR'S INTENT OF THE DRAWINGS ON THE JOB. IN THE EVENT OF THE OCCURRENCE OF MAJOR DISCREPANCIES BETWEEN THE DIMENSIONS SHOWN IN THE DRAWINGS AND THOSE ACTUALLY FOUND IN THE FIELD, THE CONTRACTOR SHALL REPORT THESE TO THE ARCHITECT AND SHALL NOT PROCEED WITH THE WORK IN QUESTION UNTIL PROPER ADJUSTMENTS OF THE DRAWINGS HAVE BEEN MADE. IF IN THE COURSE OF DEMOLITION OF EXISTING CONSTRUCTION, UTILITIES OR SERVICES DISCOVERED THAT ARE NOT SHOWN IN THE DRAWINGS TO BE SPECIFICALLY REVISED SHALL BE LEFT INTACT UNTIL THE ARCHITECT IS NOTIFIED AND A COURSE OF ACTION IS DETERMINED. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS SHOWN ON THE DRAWINGS. THE GENERAL CONTRACTOR SHALL REVIEW LIFE SAFETY PLANS FOR CONSTRUCTION DOCUMENT REQUIREMENTS RELATIVE TO RATED CONSTRUCTION, FIRE EXTINGUISHERS, ETC. NEITHER THE ARCHITECT NOR THE OWNER SHALL BE RESPONSIBLE FOR JOB SITE SAFETY. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR JOB SITE SAFETY AND SAFETY OF THE PUBLIC WHILE THIS PROJECT IS IN PROGRESS. THE GENERAL CONTRACTOR SHALL PROVIDE APPROPRIATE WARNING, BARRICADES, ETC. AS REQUIRED BY CODES. THE GENERAL CONTRACTOR SHALL VISIT THE SITE TO VERIFY EXISTING CONDITIONS AND SHALL BE RESPONSIBLE FOR UNDERSTANDING THE FULL SCOPE AND EXTENT OF WORK. EXISTING CONDITIONS SHALL BE THOROUGHLY RESEARCHED PRIOR TO CONSTRUCTION, AND ANY DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND CONDITIONS REPRESENTED BY DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO BEGINNING CONSTRUCTION ON THE AFFECTED AREA. THE GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS INCLUDING, BUT NOT LIMITED TO, PILING UTILITIES, STRUCTURE, ELEVATIONS, AND FINISHES PRIOR TO COMMENCING WORK. ANY EXISTING CONDITIONS DETRIMENTAL TO COMPLETING THE WORK AS INDICATED IN THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY FOR RESOLUTION. THE ARCHITECT ASSUMES NO RESPONSIBILITY FOR COORDINATING DETAILS RELATING TO EXISTING UNKNOWN CONDITIONS. THE GENERAL CONTRACTOR SHALL COORDINATE NEW CONSTRUCTION WITH EXISTING CONSTRUCTION AND INVESTIGATE AND VERIFY AS NECESSARY REGARDING ANY EXISTING UNKNOWN CONDITIONS. THE GENERAL SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL REGULATIONS, LAWS, AND/OR ORDINANCES AFFECTING THE METHODS OF DEMOLITION AND THE DISPOSAL OF WASTE MATERIALS. THE OWNER ASSUMES NO LIABILITY FOR EXTRA WORK OR ADDITIONAL COMPENSATION DUE TO FAILURE OF THE GENERAL CONTRACTOR OR SUBCONTRACTOR TO COMPLY WITH ANY SUCH REGULATIONS THAT APPLY. THESE PLANS AND RELATED DOCUMENTS ARE FOR DESIGN INTENT AND FOR BASIC CONSTRUCTION REQUIREMENTS ONLY. REVIEW BY DAVIS ARCHITECTS, INC. OF EXISTING CONDITIONS WAS BASED ON A CURSORY VISUAL REVIEW OF THE EXISTING SITE, AND VARIOUS CHECKS PROVIDED INFORMATION WHICH, IN CERTAIN CASES, INDICATE UNCLEAR AND/OR CONFLICTING INFORMATION. THE GENERAL CONTRACTOR SHALL NOT BE RESPONSIBLE FOR WORK REQUIRED TO CORRECT EXISTING CONDITIONS WHICH COULD NOT BE ASCERTAINED BY A THOROUGH REVIEW OF THE SITE CONDITIONS AND OTHER PROVIDED DOCUMENTS. THE GENERAL CONTRACTOR SHALL SEAL ALL PENETRATIONS AT EXTERIOR WALLS AND ROOF TO INSURE WEATHER-TIGHTNESS AT BUILDING ENVELOPE - SEE SPECIFICATIONS. CONSTRUCTION STAGING AREA IS TO BE DETERMINED BY THE OWNER. SEE BID DOCUMENTS FOR DESIGNATED STAGING AREA. THE GENERAL CONTRACTOR SHALL COORDINATE MISCELLANEOUS STRUCTURAL OR NON-STRUCTURAL STEEL MEMBERS SHOWN ARCHITECTURALLY (BUT NOT STRUCTURALLY) WITH SUBCONTRACTORS PROVIDING SUCH WORK. SEAL ALL PENETRATIONS OF PRE-CAST CONSTRUCTION AS REQUIRED BY LOCAL CODES. ALL PRE-CAST PARTITIONS SHALL BE PERMANENTLY INDICATED ABOVE ANY CEILING AND/OR CONCEALED SPACES. THE LETTERING SHALL BE 2 INCHES TALL AND SPACED EVERY 12 FEET. SUGGESTED WORDING TO READ AS FOLLOWS: "FIRE AND SMOKE BARRIER - PROJECT ALL OPENINGS." THE GENERAL CONTRACTOR SHALL VERIFY WITH LOCAL FIRE MARSHAL OR BUILDING OFFICIAL HAVING AUTHORITY. PLUMBING, MECHANICAL, AND ELECTRICAL WORK REQUIRED BY THIS CONTRACT IS NOTED ON CONTRACT DOCUMENTS. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF THIS WORK WITH ALL TRADES. CHANGE ORDERS SHALL NOT BE APPROVED FOR EXTRA WORK ARISING FROM THE GENERAL CONTRACTOR NOT COORDINATING THE WORK. THE GENERAL CONTRACTOR SHALL COORDINATE INSTALLATION OF ALL OWNER PROVIDED ITEMS OR SYSTEMS WITH WORK OF THIS PACKAGE (I.E. ITEMS NOTED ALL ON DRAWINGS, ETC.). IF AN UNRESOLVED CONFLICT EXISTS BETWEEN THE DRAWINGS AND SPECIFICATIONS PRIOR TO THE BID, THE CONTRACTOR SHALL BID MORE EXPENSIVE CONDITION. 	<p>OWNER: MOUNTAIN BROOK BOARD OF EDUCATION BIRMINGHAM, ALABAMA PH. (205) 871-4608 FAX (205) 877-8303 ATTN: CHARLES MASON</p> <p>ARCHITECT: DAVIS ARCHITECTS BIRMINGHAM, ALABAMA PH. (205) 322-7482 FAX (205) 322-7485 ATTN: GEOFF OLEVER, JIM HARTSELL, MEGHAN YOUNG</p> <p>STRUCTURAL ENGINEER: LEVO BIRMINGHAM, ALABAMA PH. (205) 349-2100 FAX (205) 349-2107 ATTN: WIN BISHOP</p> <p>CIVIL ENGINEER: LEVO BIRMINGHAM, ALABAMA PH. (205) 488-0249 FAX (205) 488-0228 ATTN: TIM ROBERTS</p> <p>MECH. / PLUMBING ENGINEER: WHITAKER & RAWSON BIRMINGHAM, ALABAMA PH. (205) 870-9901 FAX (205) 870-0891 ATTN: VINCE BLACKBERRY, CAROL JOHNSON</p> <p>GEOTECHNICAL CONSULTANT: GALLET & ASSOCIATES BIRMINGHAM, ALABAMA PH. (205) 942-1289 FAX (205) 942-1286 ATTN: FRANK WHITMAN</p> <p>LANDSCAPE ARCHITECT: HANSEN L/A BIRMINGHAM, ALABAMA PH. (205) 714-9963 FAX (205) 714-9964 ATTN: GREG HANSEN</p> <p>ELECTRICAL ENGINEER: "JACKSON RENFRO" & ASSOC. BIRMINGHAM, ALABAMA PH. (205) 995-1078 FAX (205) 995-1399 ATTN: TIM COOKE</p> <p>VICINITY MAP</p>	<p>TITLE</p> <ol style="list-style-type: none"> TO.1 COVER & INDEX SHEET LS.1.1 FIRST FLOOR LIFE SAFETY PLAN LS.1.2 SECOND FLOOR LIFE SAFETY PLAN & CODE ANALYSIS <p>LANDSCAPE</p> <ol style="list-style-type: none"> L1 LANDSCAPE PLAN L2 LANDSCAPE DETAILS <p>CIVIL</p> <ol style="list-style-type: none"> C1.0 DEMOLITION PLAN C2.0 SITE LAYOUT PLAN C3.0 GRADING AND DRAINAGE PLAN C4.0 SEDIMENTATION & EROSION CONTROL PLAN C5.0 SITE UTILITY PLAN C6.0 SANITARY SEWER PLAN & PROFILE C7.0 SECTIONS & DETAILS <p>ARCHITECTURAL</p> <ol style="list-style-type: none"> A0.1 ARCHITECTURAL SITE PLAN A1.1 FIRST FLOOR DEMOLITION PLAN A1.2 SECOND FLOOR DEMOLITION PLAN A2.1 FIRST FLOOR COORDINATION PLAN A2.2 SECOND FLOOR COORDINATION PLAN A2.3 ROOF PLAN A2.4 ENLARGED FLOOR PLANS @ ADDITIONS A2.5 ENLARGED FLOOR PLANS @ RENOVATIONS A2.6 DOOR SCHEDULE AND DETAILS A3.1 BUILDING ELEVATIONS A3.2 WALL SECTIONS @ ATHLETIC ADDITION A3.3 WALL SECTIONS @ ATHLETIC ADDITION A3.4 WALL SECTIONS @ ATHLETIC ADDITION A3.5 WALL SECTIONS @ BAND ADDITION A3.6 WALL SECTIONS @ BAND ADDITION A3.7 WALL SECTIONS @ RENOVATIONS A3.8 EXTERIOR DETAILS A3.9 ROOF DETAILS A4.1 ENLARGED PLANS & INTERIOR ELEVATIONS A4.2 ENLARGED PLANS & INTERIOR ELEVATIONS A6.1 REFLECTED CEILING PLAN @ ADDITIONS A6.2 REFLECTED CEILING PLAN @ RENOVATIONS A8.1 INTERIOR DETAILS A9.1 FINISH PLAN @ ADDITIONS A9.2 FINISH PLAN @ RENOVATIONS <p>STRUCTURAL</p> <ol style="list-style-type: none"> S1.1 GENERAL NOTES S1.2 ABBREVIATIONS, TYP. DETAILS & SCHEDULES S1.3 TYPICAL DETAILS S2.1 ATHLETIC ADDITION FOUNDATION & ROOF FRAMING PLAN S2.2 BAND ROOM ADDITION FOUNDATION & ROOF FRAMING PLAN S2.3 LOCKER ROOM ADDITION FOUNDATION & SECOND FLOOR FRAMING S2.4 ACADEMIC SUPPORT ADDITION FOUNDATION & ROOF FRAMING S3.1 SECTIONS S3.2 SECTIONS S3.3 SECTIONS 	<p>MECHANICAL</p> <ol style="list-style-type: none"> M0.1 EQUIP. SCHEDULES, LEGENDS & DETAILS M1.1 DEMOLITION PLANS - HVAC M2.1 FLOOR PLANS - HVAC M2.2 FLOOR PLANS - HVAC M2.3 ROOF PLAN - HVAC M3.0 CONTROLS <p>PLUMBING</p> <ol style="list-style-type: none"> P0.1 PLUMBING SCHEDULES, LEGENDS, NOTES, DETAILS & RISERS P1.1 DEMO FLOOR PLANS - PLUMBING P1.2 DEMO FLOOR PLANS - PLUMBING P2.1 FLOOR PLANS - NON-PRESSURE PIPING P2.2 FLOOR PLANS - NON-PRESSURE PIPING P2.3 ROOF PLAN - PLUMBING P3.1 FLOOR PLANS - PRESSURE PIPING P3.2 FLOOR PLANS - PRESSURE PIPING P3.3 ROOF PLAN - PRESSURE PIPING <p>ELECTRICAL</p> <ol style="list-style-type: none"> E1.1 LEGENDS, NOTES, SCHEDULES & DIAGRAMS E2.1 FIRST FLOOR OVERALL ELEC. PLANS E2.2 SECOND FLOOR OVERALL ELEC. PLANS E2.3 FIRST FLOOR ELEC. DEMO PLAN E2.4 SECOND FLOOR ELEC. DEMO PLAN E3.1 LARGE SCALE LIGHTING PLANS E3.2 LARGE SCALE LIGHTING PLANS E4.1 LARGE SCALE POWER PLANS E4.2 LARGE SCALE POWER PLANS <p>MATERIALS LEGEND</p> <ul style="list-style-type: none"> CONCRETE BRICK CONCRETE MASONRY UNIT RIGID INSULATION BATT INSULATION WOOD BLOCKING FRAMING PLYWOOD FINISH WOOD GLASS GYPSUM BOARD CARPET 	<p>DRAWING SYMBOLS</p> <ul style="list-style-type: none"> SECTION NUMBER SHEET NUMBER ELEVATION NUMBER SHEET NUMBER DETAIL NUMBER SHEET NUMBER FINISH FLOOR ELEVATION ELEVATION ROOM NUMBER PARTITION TYPE SEE SCHEDULE SHEETS A2.1-A2.4, A4.1-4.3 DOOR TYPE SEE SCHEDULE SHEET A2.7 FRAME DETAIL(S) SEE SHEET A2.7 HARDWARE SET WINDOW TYPE SEE SCHEDULE SHEET A2.8 LOUVER TYPE SEE SCHEDULE SHEET A2.7 TOILET ACCESSORY SEE SCHEDULE SHEETS A4.1, A4.2 CEILING TYPE AND HEIGHT SEE SCHEDULE SHEETS A6.1-A6.7 WALL, BASE, AND FLOOR FINISH SEE SCHEDULE SHEETS A8.1-A8.3 <p>ABBREVIATIONS</p> <table border="0"> <tr> <td>ADA</td><td>AMERICANS WITH DISABILITIES ACT</td> <td>HORZ</td><td>HORIZONTAL</td> </tr> <tr> <td>ADAAG</td><td>ADA ACCESSIBILITY GUIDELINES</td> <td>HT</td><td>HEIGHT</td> </tr> <tr> <td>ADDN</td><td>ADDITION</td> <td>INSUL</td><td>INSULATION</td> </tr> <tr> <td>ADJ</td><td>ADJUSTABLE</td> <td>JAN</td><td>JANITOR</td> </tr> <tr> <td>AFF</td><td>ABOVE FINISH FLOOR</td> <td>J.B.</td><td>JOIST BEARING</td> </tr> <tr> <td>ALT</td><td>ALTERNATE</td> <td>LAM</td><td>LAMINATE</td> </tr> <tr> <td>ALUM</td><td>ALUMINUM</td> <td>LAV</td><td>LAVATORY</td> </tr> <tr> <td>BD</td><td>BOARD</td> <td>MAX</td><td>MAXIMUM</td> </tr> <tr> <td>BRNG</td><td>BEARING</td> <td>MED</td><td>MEDIUM</td> </tr> <tr> <td>CAB</td><td>CABINET</td> <td>ML</td><td>MILLIMETER</td> </tr> <tr> <td>CER TI</td><td>CERAMIC TILE</td> <td>MM</td><td>MILLIMETER</td> </tr> <tr> <td>CJ</td><td>CENTRAL JOINT</td> <td>M.O.</td><td>MASONRY OPENING</td> </tr> <tr> <td>CL</td><td>CENTER LINE</td> <td>MR</td><td>MOISTURE RESISTANT</td> </tr> <tr> <td>COL</td><td>COLUAM</td> <td>MTL</td><td>METAL</td> </tr> <tr> <td>CONST</td><td>CONSTRUCTION</td> <td>NC</td><td>NOT IN CONTRACT</td> </tr> <tr> <td>CONT</td><td>CONTINUOUS</td> <td>NO.</td><td>NUMBER</td> </tr> <tr> <td>CONC</td><td>CONCRETE</td> <td>O C</td><td>ON CENTER</td> </tr> <tr> <td>CMU</td><td>CONCRETE MASONRY UNIT</td> <td>O D</td><td>OUTSIDE DIAMETER</td> </tr> <tr> <td>DR</td><td>DOOR</td> <td>OPP.</td><td>OPPOSITE HAND</td> </tr> <tr> <td>DWG</td><td>DRAWING</td> <td>PART</td><td>PARTITION</td> </tr> <tr> <td>EGW</td><td>EGRESS WINDOW</td> <td>PLUS</td><td>PLASTER</td> </tr> <tr> <td>EL</td><td>ELEVATION</td> <td>PLBG</td><td>PLUMBING</td> </tr> <tr> <td>ELEC</td><td>ELECTRICAL</td> <td>PROJ</td><td>PROJECT</td> </tr> <tr> <td>EIFS</td><td>EXTERIOR INSULATION & FINISH SYSTEM</td> <td>PVC</td><td>POLYVINYL CHLORIDE</td> </tr> <tr> <td>EQ</td><td>EQUAL</td> <td>PT</td><td>PRESSURE TREATED</td> </tr> <tr> <td>EQU</td><td>EQUIPMENT</td> <td>REQ'D</td><td>REQUIRED</td> </tr> <tr> <td>EW</td><td>ELECTRICAL WATER COOLER</td> <td>RFC</td><td>ROOFING</td> </tr> <tr> <td>EXST</td><td>EXISTING</td> <td>R.O.</td><td>ROUGH OPENING</td> </tr> <tr> <td>EXT</td><td>EXTERIOR</td> <td>SECT</td><td>SECTION</td> </tr> <tr> <td>FD</td><td>FLOOR DRAIN</td> <td>S C</td><td>SOLID CORE</td> </tr> <tr> <td>FIN</td><td>FINISH</td> <td>SM</td><td>SMALL</td> </tr> <tr> <td>FEC</td><td>FIRE EXTINGUISHER CABINET</td> <td>S S</td><td>STAINLESS STEEL</td> </tr> <tr> <td>FEX</td><td>FIRE EXTINGUISHER</td> <td>STL</td><td>STEEL</td> </tr> <tr> <td>FLG</td><td>FLOORING</td> <td>TEL</td><td>TELEPHONE</td> </tr> <tr> <td>FLUOR</td><td>FLOURESCENT</td> <td>TEMP</td><td>TEMPERED</td> </tr> <tr> <td>FND</td><td>FOUNDATION</td> <td>THK</td><td>THICK</td> </tr> <tr> <td>FOF</td><td>FACE OF FINISH</td> <td>T O</td><td>TOP OF</td> </tr> <tr> <td>FRT</td><td>FIRE RETARDANT TREATED</td> <td>TOM</td><td>TOP OF MASONRY</td> </tr> <tr> <td>GYP</td><td>GYPSUM</td> <td>TOS</td><td>TOP OF STEEL</td> </tr> <tr> <td>GWB</td><td>GYPSUM BOARD</td> <td>TYP</td><td>TYPICAL</td> </tr> <tr> <td>GLS</td><td>GLASS</td> <td>VERT</td><td>VERTICAL</td> </tr> <tr> <td>GA</td><td>GAUGE</td> <td>VEST</td><td>VESTIBULE</td> </tr> <tr> <td>GR</td><td>GRADE</td> <td>V.I.F.</td><td>VERIFY IN FIELD</td> </tr> <tr> <td>HC</td><td>HANDICAPPED</td> <td>WD</td><td>WOOD</td> </tr> <tr> <td>HM</td><td>HOLLOW METAL</td> <td>WG</td><td>WIRE GLASS</td> </tr> </table>	ADA	AMERICANS WITH DISABILITIES ACT	HORZ	HORIZONTAL	ADAAG	ADA ACCESSIBILITY GUIDELINES	HT	HEIGHT	ADDN	ADDITION	INSUL	INSULATION	ADJ	ADJUSTABLE	JAN	JANITOR	AFF	ABOVE FINISH FLOOR	J.B.	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COVER & INDEX SHEET

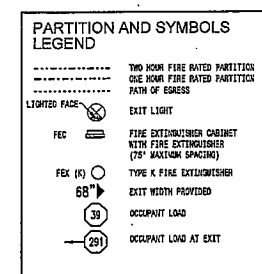
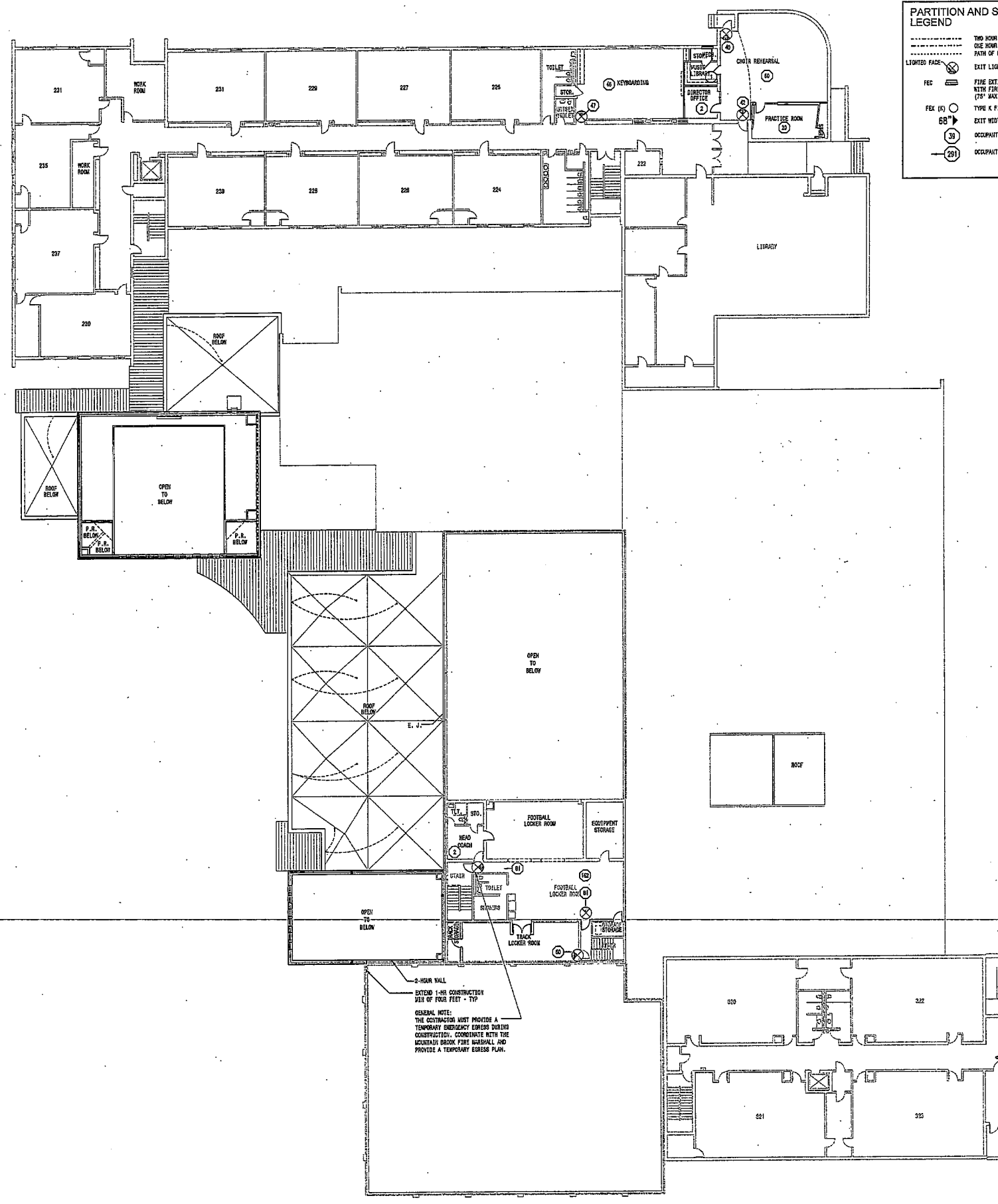
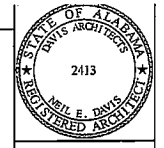
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IMAGE: C:\ProgramData\AutoCAD\2007\101.dwg DATE: APR 23, 2007 TIME: 11:17 AM



Applicable Codes: 2006 International Building Code (IBC), 2003 Life Safety Code (LSC), 2003 International Building Code (IBC), 2003 International Fire Prevention Code, 2003 International Plumbing Code, 2003 International Fuel Gas Code, 2003 International Mechanical Code, 2004 Alabama Energy Conservation Code, 2002 National Electrical Code, ABC-4 Computer Program Manual Americans with Disabilities Act Accessibility Guidelines for Buildings and Facilities: State and Local Governments (ADAAG)

Code Approach: **Type of construction:** The existing school has the type of construction classification of II-B. The first story is existing nonconforming. There is a 4 hour fire wall separating the addition to the east. A new floor will be constructed above the existing gymnasium platform. The structure is noncombustible and non fire rated. **Fire Wall:** The new work will be separated from the existing nonconforming school by 2 hour fire walls. **One building:** Although it looks like two additions, the new construction is considered as one building. **Pedestrian Walkway:** The canopy between the new and existing buildings is a pedestrian walkway (2003 IBC section 3104). **Exit passageway:** The existing south exit stair enclosure serving the football locker room on the second story will be improved by making it discharge into an exit passageway. **Egress court:** The existing west egress court will remain a component of the means of egress. It will be provided with illumination, a paved surface and directional exit signs. The egress court is more than 10 feet wide and has direct and unimpeded access to the parking lot and the public way. Existing classroom rescue windows will remain as they are. A ladder under lock will be provided in the courtyard. Portions of the court have a metal canopy as a rain and sun shield. The canopy is open on the sides and there is no potential for the accumulation of smoke. The new work creates a new egress court. It will have the same features just described. **Assumed Property line:** An assumed property line is shown between buildings. Exterior walls located 10 feet or more from it are not required to be fire rated (Table 602). Unlimited unprotected openings are permitted in said walls (Table 704.8, footnote I).

Code Sections: Sections cited are based on the 2003 IBC unless noted otherwise based on more restrictive requirements found in the 2006 IBC or the 2003 LSC.

Occupancy Classification: E: Educational used by six or more persons (IBC 305 and LSC 14.1.4.1) for more than 4 hours per day or 12 hours per week (LSC 14.1.4.1). Each of the three new gymnasiums has an occupant load less than 50 and is not classified as an Assembly occupancy (LSC section 3.3168.2). B: Offices - incidental to the main occupancy.

Mixed Use Approach: Nonseparated use. No occupancy separations.

Type of Construction: Type II-B
 Allowable Height: 75 feet and 5 stories (Section 504.1); proposed = 1
 Allowable Area per story: 14,500x1.75=25,375 sf (Section 506); proposed=12,000 sf
 Allowable Area building: 25,375 x 1 = 25,375 sf (Section 506)

Passive Fire Resistive Requirements:
 Construction materials Noncombustible (Section 602.2)
 Rigid Insulation Required to be separated from the interior space by 1/2" regular gypsum board
 Plywood on metal studs Permitted if fire retardant treated and within the wall assembly, i.e., covered by gypsum wallboard (Section 603)
 Wood finish on walls Permitted to be applied onto the wall surface (masonry or gypsum wallboard). Class B inside the exit passageway; else Class C (Table 603.5). See section 803.4 for application provisions
 Structural Frame (primary columns and girders) 0 hours (Table 601).
 Roof 0 hour
 Pedestrian Walkway 0 hour and noncombustible (Section 3104.3)
 Separation from buildings 0 hour (Section 3105, exception 2)
 Fire Wall 2 hours, 90 minute doors (section 705.4)
 Horizontal Extensions 1 hour for 4 feet
 Vertical Extension Not required. Lower roof: 1 hour with 1 hour supports for 10 feet within the fire wall
 Pipe Penetrations F rating: 2 hour and T rating: 2 hour. Or, non combustible pipes and conduits 6-inch or smaller may penetrate concrete walls provided annular space is grouted solid (Sections 712.3.1 and 712.4.1)
 Exit Passageway 1 hour walls, 60 minute doors (Section 1020.3), dedicated HVAC
 Permanent Partitions 0 hour (Table 601)
 Storage rooms > 100 sf 1 hour
 Exterior walls 1 hour < 10 ft. from assumed property line (Table 602)
 0 hour >= 10 ft. from assumed property line with unlimited unprotected openings (Table 704.8, footnote (I))

Exiting:
 Exit Widths 0.2 inches per person (Table 1005.1)
 Doors 0.3 inches per person (Table 1005.1)
 Stairs 0.3 inches per person (Table 1005.1)
 Travel Distance 150 feet (LSC 14.2.6.1)
 Common Path of Travel 75 feet (Section 1013.3)

Number of exits required 2 from each space when > 50 people or common path of travel is exceeded (Section 1014.1)
 One exit is permitted if population < 50 people and the common path of travel < 76 feet (Section 1014.1)

Exit Separation Separated by one-third the diagonal (Section 1014.2.1, Exception 2)

Areas of Refuge Not required because spaces are at grade

Exit Discharge Egress courts (Section 1023.5)

Panic Hardware Required on doors serving 50 or more occupants (2006 IBC Section 1008.1.5)

Exit Signs Required in spaces where two exit paths are required (Section 1011.1)

Egress Path Illumination One foot-candle on normal power throughout including egress courts (Section 1005.1)

Rescue Windows Not required. The new building has exterior doors at grade (LSC 14.2.11.1.2)

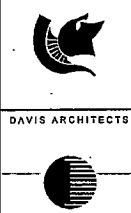
Active Fire Protection:
 Automatic Sprinkler System Not required (IBC 903.2.2, LSC 14.3.5)
 Standpipes Not required (IBC 905.3)
 Fire alarm system Manual Required (IBC 907.2.3, LSC 14.3.4.2.1)
 Smoke detectors required in egress path intervening rooms (LSC 14.2.5.4(2)). Required to activate the building alarm
 Fire extinguishers Required (Section 906)

Emergency Power:
 Required for the following:
 Exit signs (Section 1011.5.3)
 Egress Path Illumination in spaces where two exit paths are required and light on outside of exterior exit door (Section 1006.3)
 Fire alarm system

Telnet Fixtures:
 Telnet fixtures are existing to remain. There is no change of the number of students. Three additional toilets are provided.

Pedestrian Walkways:
 The pedestrian walkways are canopies that are open on the sides. They are of metal construction (section 3104.3). Fire separation between the walkways and connected buildings is not required (section 3104.5, exception 2). The walkways are more than 36 inches wide and less than 200 feet long (sections 3104.8 and 3104.9). Smoke and heat vents are not required because the walkways are not enclosed (section 3104.11).

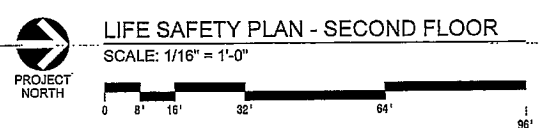
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PROJECT TITLE: SECOND FLOOR LIFE SAFETY PLAN & CODE ANALYSIS
 DATE: APRIL 24, 2007

OWNER	DESIGNED	APPROVED
AM	AM	JH
PROJECT NO. 3469		
SHEET NO. LS1.2		
		3 OF 71



LIFE SAFETY PLAN - SECOND FLOOR
 SCALE: 1/16" = 1'-0"

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