

# CRAWFORD HALL ATTIC STORAGE

## ROANOKE COLLEGE

### SALEM, VIRGINIA

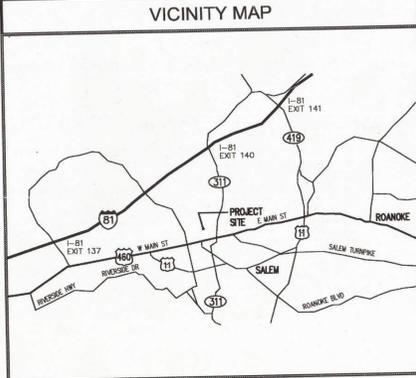
*MEP  
Crawford*

- T1 TITLE SHEET
- A2.1 FIRST FLOOR PLANS AND SCHEDULES
- A5.1 SECTIONS & DETAILS
- M1 MECHANICAL PLANS
- E1 ELECTRICAL PLANS

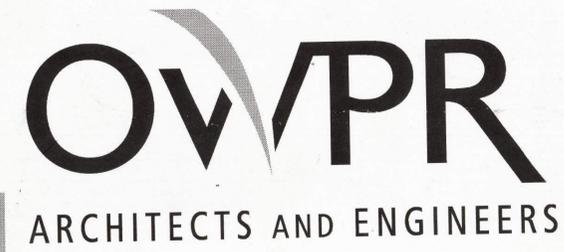
#### ABBREVIATIONS

<p>A ANCHOR BOLT, ADDITIVE BID ITEM ABV ABOVE AC ASPHALTIC CONCRETE ACSR ALUMINUM CONDUCTOR STEEL REINFORCED ACST ACOUSTIC AD AREA DRAIN ADH ADHESIVE ADJ ADJUSTABLE, ADJACENT AL ALUMINUM ALT ALTERNATE AMP AMPERE AMP.A AMPERE MODIFIED POLYESTER ANC ANCHOR ANOD ANODIZED AP ACCESS PANEL APPROX APPROXIMATE ARCH ARCHITECTURAL ARR ARRESTOR ASPH ASPHALT ATC ACOUSTICAL TILE CEILING AUX AUXILIARY AWG AMERICAN WIRE GAGE AV AIR VENT</p> <p>B BBD BOTTOM, BATH BD BOARD BHP BRAKE HORSEPOWER BLDG BUILDING BLK BLOCK BLW BELOW BM BEAM, BENCH MARK BOT BOTTOM BP BASE PLATE BR BOTTOM REGISTER BR BEARING BRG BRASS BSMT BASEMENT BTU BRITISH THERMAL UNIT BTU/HR BRITISH THERMAL UNIT/HOUR BTWN BETWEEN</p> <p>C CAB. CENTERLINE CAP. CABINET CC CAPACITY CD CENTER TO CENTER, COOLING COIL CEILING DIFFUSER C&amp;G CURB &amp; GUTTER CEM CEMENT CER CERAMIC CFM CUBIC FEET PER MINUTE CFH CUBIC FEET PER HOUR CHNL CHANNEL CI CAST IRON CIP CAST IRON PIPE CIRCULATING CIRCULATING CJT CONTROL JOINT, CONTRACTION JOINT CKT CIRCUIT CL CLEAR, CLOSET CLG CEILING CMP CORRUGATED METAL PIPE CMPA CORRUGATED METAL PIPE ARCH CMU CONCRETE MASONRY UNITS CND.C CONDUIT CNDIS CONDENSATE CNTR COUNTER CORR CORRIDOR CO CLEANOUT/COMPANY COOP CLEANOUT W/ DECK PLUG COL COLUMN COMP COMPRESSIBLE/COMPRESSION CONC CONCRETE CONC-S CONCRETE, STEEL TROWELED &amp; SEALED COND CONDUCTOR CONN CONNECTION CONST CONSTRUCTION CONT CONTINUOUS CONTR CONTRACTION CONV CONVERTER COORD COORDINATE COP. COEFFICIENT OF PERFORMANCE CP NONREINFORCED CONCRETE PIPE</p> <p>D DB DEPTH, DEEP, DEGREE OF CURVATURE, DRAIN DRY BULB, DEGBEL, DIRECT BURIAL DEMOLITION DEMOLITION DH DRILL HOLE DIA DIAMETER DIM DIMENSION DIST DISTANCE DN DOWN DL DEAD LOAD DMPR DAMPER DN DOWN DO. DITTO DS DOWNSPOUT DV DRAIN VALVE DW DRYWALL, DISHWASHER DWM DRINKING WATER DISPENSER DWS DRAWING</p> <p>E EA EAST E.A.T. ENTERING AIR TEMPERATURE E.C. EMPTY CONDUIT EER ENERGY EFFICIENCY RATIO EFF EFFICIENCY EFS EXTERIOR INSULATION FINISH SYSTEM EL ELEVATION (FL EL 57.0) ELEC ELECTRIC ELEV ELEVATION (BLDG ELEVATION) EMER EMERGENCY EMT ELECTRICAL METALLIC TUBING ENT ENTERING EP EPOXY, EDGE OF PAVEMENT EPDM ETHYLENE PROPYLENE DIENE MONOMER EQ EQUAL EQUIP EQUIPMENT EVAP EVAPORATIVE EW EACH WAY EWC ELECTRIC WATER COOLER EXH EXHAUST EXIST EXISTING EXP EXPANSION, EXPOSED EXP JT EXPANSION JOINT EXT EXTERIOR</p> <p>4 WAY FOUR WAY F FAHRENHEIT, FIRE, FAN FD FACE OF CURB FDN FLOOR DRAIN, FIRE DAMPER, FLOOR DIFFUSER FON FOUNDATION FDR FEEDER FFE FINISHED FLOOR ELEVATION FH FIRE HYDRANT FHC FIRE HOSE CABINET FIG FIGURE FIN FINISH FXL FIXTURE FJ FELT JOINT FL FLOOR, FLASHING FLEX FLEXIBLE FLUOR FLUORESCENT FPH FROST PROOF HYDRANT FPM FEET PER MINUTE FR CONCRETE, STEEL TROWELED &amp; SEALED FR FR FRFP FIBERGLASS REINFORCED GYPSUM PANEL FRFW FIRE RETARDANT TREATED WOOD FRZR FREEZER FS FULL SIZE, FAR SIDE FOOT FOOT, FEET, FLOOR TILE FTG FOOTING FURN FURNACE FUT FUTURE</p> <p>G GAS GA GAGE GALV GALVANIZED GFCI GOVERNMENT FURNISHED CONTRACTOR INSTALLED GL CERAMIC TILE, CURRENT TRANSFORMER GLE CENTER GPM GALLONS PER MINUTE GR GRADE GRD GROUND GSU GLAZED STRUCTURAL UNIT GW GROUND WATER GWB GYPSUM WALLBOARD GYP GYPSUM</p> <p>H,HGT HEIGHT HB HOSE BIBB HC HANDICAP, HORIZONTAL CROSS-CONNECT (TELECOMMUNICATIONS) HD HARDWARE HDW HIGH INTENSITY DISCHARGE HM HOLLOW METAL HORIZ HORIZONTAL HP HORSEPOWER, HIGH POINT HR HOUR HS HIGH STRENGTH HTR HEATER HV HIGH VOLTAGE HVV HEAVY HW HOT WATER, HEADWALL HWL HIGH WATER LEVEL HZ HERTZ</p> <p>ID INSIDE DIAMETER IN INCH INSUL INSULATION, INSULATED INT INTERIOR INV INVERT IN LIEU OF</p> <p>JB JUNCTION BOX JC JANITOR CLOSET JCT JUNCTION JOIST JOIST JT JOINT</p> <p>KCP KEENE'S CEMENT PLASTER KIT KITCHEN KO KNOCK OUT KV KILOVOLT KVA KILOVOLT-AMPERE KW KILOWATT</p> <p>(L) LEFT L LENGTH, LENGTH OF CURVE LAB LABORATORY LAV LAVATORY LBS LBS LL LIVE LOAD LLH LONG LEG HORIZONTAL LLV LONG LEG VERTICAL LOC LOCATION LT LIGHT LVR LOUVER LVG LEAVING LW LIGHT WEIGHT</p> <p>MACH MACHINE MAS MASONRY MATL MATERIAL MAX MAXIMUM MBH THOUSAND BTU PER HOUR MC MAIN CROSS-CONNECT (TELECOMMUNICATIONS) MD MANUAL DAMPER MECH MECHANICAL MET METAL</p> <p>MFGR MANUFACTURER MH MANHOLE, MOUNTING HEIGHT MIN MINIMUM, MINUTE MISC MISCELLANEOUS MO MOTOR OPERATED, MASONRY OPENING MOH MASONRY OPENING HEIGHT MOW MASONRY OPENING WIDTH MP MEDIUM PRESSURE</p> <p>N NORTH NC NON CORROSIVE NDC NOSE DOWN CURB NEUT NEUTRAL NIC NOT IN CONTRACT NO. NUMBER NOM NOMINAL NTS NOT TO SCALE</p> <p>OA OUTSIDE AIR ON CENTER ON CENTER OD OUTSIDE DIAMETER OFCSI OWNER FURNISHED CONTRACTOR INSTALLED OPENING OPNG OPPOSITE OPP OPT OPT OPEN SITE DRAIN OSD OVERHEAD</p> <p>P PIPE, PAINT, PAINTED PAF POWER ACTUATED FASTENER PARTITION PARTITION PB PULL BOX, PUSH BUTTON PH PHASE PI POINT OF INTERSECTION PIV POST INDICATOR VALVE PJV PREFORMED JOINT FILLER PL PLASTER, PLASTIC LAMINATE PLAS PLASTER PLUMB PLUMBING PLYWD PLYWOOD PNL PANEL PREFAB PREFABRICATED PREFIN PREFINISHED PRELIM PRELIMINARY PRESS PRESSURE PRIM PRIMARY PRV PRESSURE RELIEF VALVE PULL SWITCH PULL SWITCH PS POUNDS PER SQUARE FOOT PSF POUNDS PER SQUARE FOOT PT POINT, POINT OF TANGENT, PRESSURE TREATED PUF POLYURETHANE FOAM PVC POINT OF VERTICAL CURVE, POLY VINYL CHLORIDE PVI POINT OF VERTICAL INTERSECTION PVT POINT OF VERTICAL TANGENT</p> <p>QUARRY TILE QUARRY TILE</p> <p>R/RW RIGHT, RADIUS, RISER RA RIGHT OF WAY RAD RADIUS RBR RUBBER RCP REINFORCED CONCRETE PIPE RD ROOF DRAIN, ROAD RECP RECEIPTAGE RED REDUCING REFL REFLECTIVE REFR REFRIGERATOR REG REGULATOR, REGISTER REIN REINFORCEMENT REQD REQUIRED REV REVISION RF ROOF, ROOF FAN RH RETURN GRILLE RH ROOF HATCH</p> <p>RGH ROUGH RL RAIN LEADER, REFRIGERANT LIQUID, ROOF LADDER RM ROOM RNG RANGE RO ROUGH OPENING RPM REVOLUTIONS PER MINUTE RFS REFRIGERANT SUCTION, ROOF SCUPPER</p> <p>S SOUTH SAN SANITARY SEWER SATC SUSPENDED ACOUSTICAL TILE CEILING SCHEDULE SC SCHEDULE SCH SPECIAL COATING, ACRYLIC SD SPLITTER DAMPER, STORM DRAIN SECTION SFCB SPLIT FACE CONCRETE BLOCK SFG STRUCTURAL GLAZED FACING TILE SERVICE SF SQUARE FEET, SQUARE FOOTAGE SEM-GLOSS ENAMEL SHEET SIM SIMILAR SKOP SUSPENDED KEENE'S CEMENT PLASTER SLOPE SMH SANITARY MANHOLE SP STATIC PRESSURE, SINGLE POLE SPC SUSPENDED PLASTER CEILING SPDT SINGLE POLE, DOUBLE THROW SPECIFICATION SPT SINGLE POLE, SINGLE THROW SQUARE SS SANITARY SEWER SST STAINLESS STEEL ST STREAM, SINGLE THROW, STREET, STEAM STATION STD STANDARD STL STEEL STR STORAGE STR STRUCTURE SUP SUPPORT SUSP SUSPENDED SW SWITCH SWB SWITCHBOARD SWR SWITCHGEAR SYS SYSTEM</p> <p>T TILE, TOP, TANGENT, THICKNESS TB TEST BORING T&amp;B TOP AND BOTTOM TOP OF CURB TOP OF CURB TEL TELEPHONE TEMP TEMPERATURE, TEMPORARY TERM TERMINAL TERR TERRAZZO TH TOTAL HEAD (PUMPS) THRESHOLD THRESHOLD TMO TELECOMMUNICATIONS OUTLET TOP OF MASONRY TOP OF MASONRY TEST PIT TEST PIT TEMPERATURE &amp; 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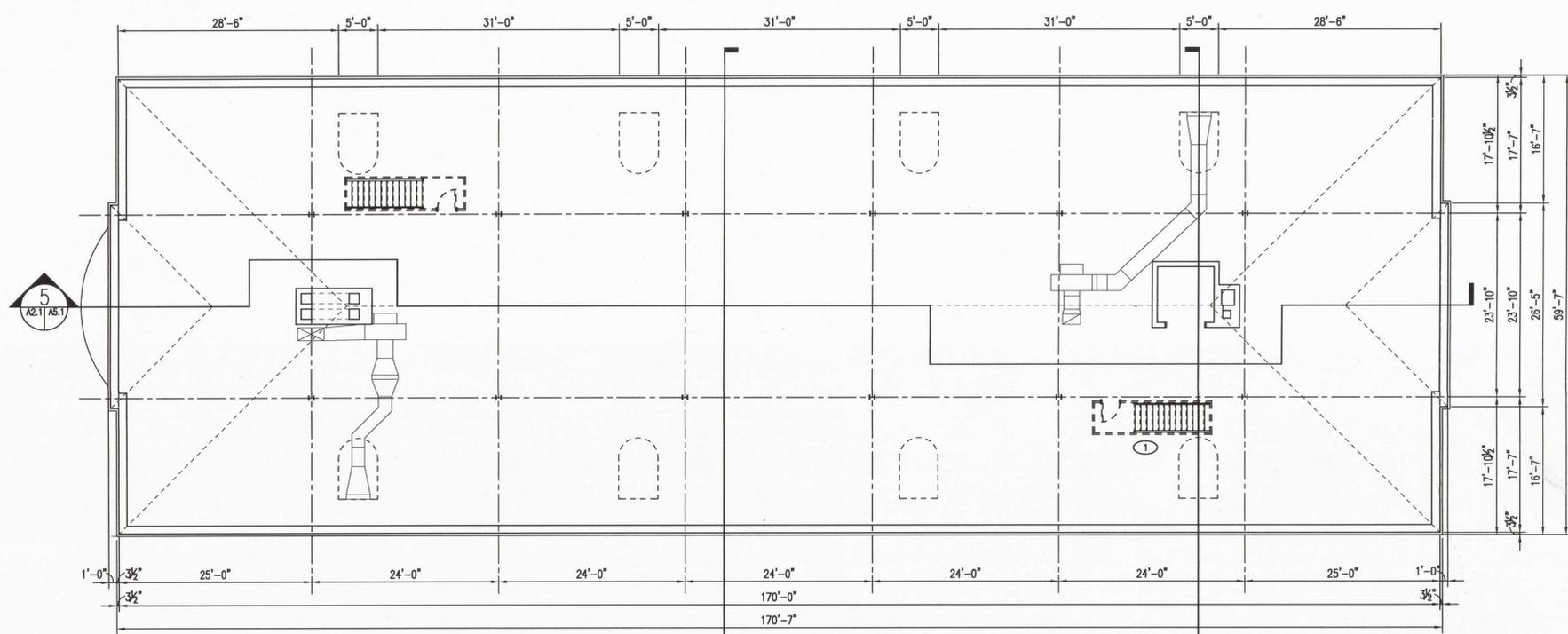
SYMBOLS	MATERIAL INDICATIONS



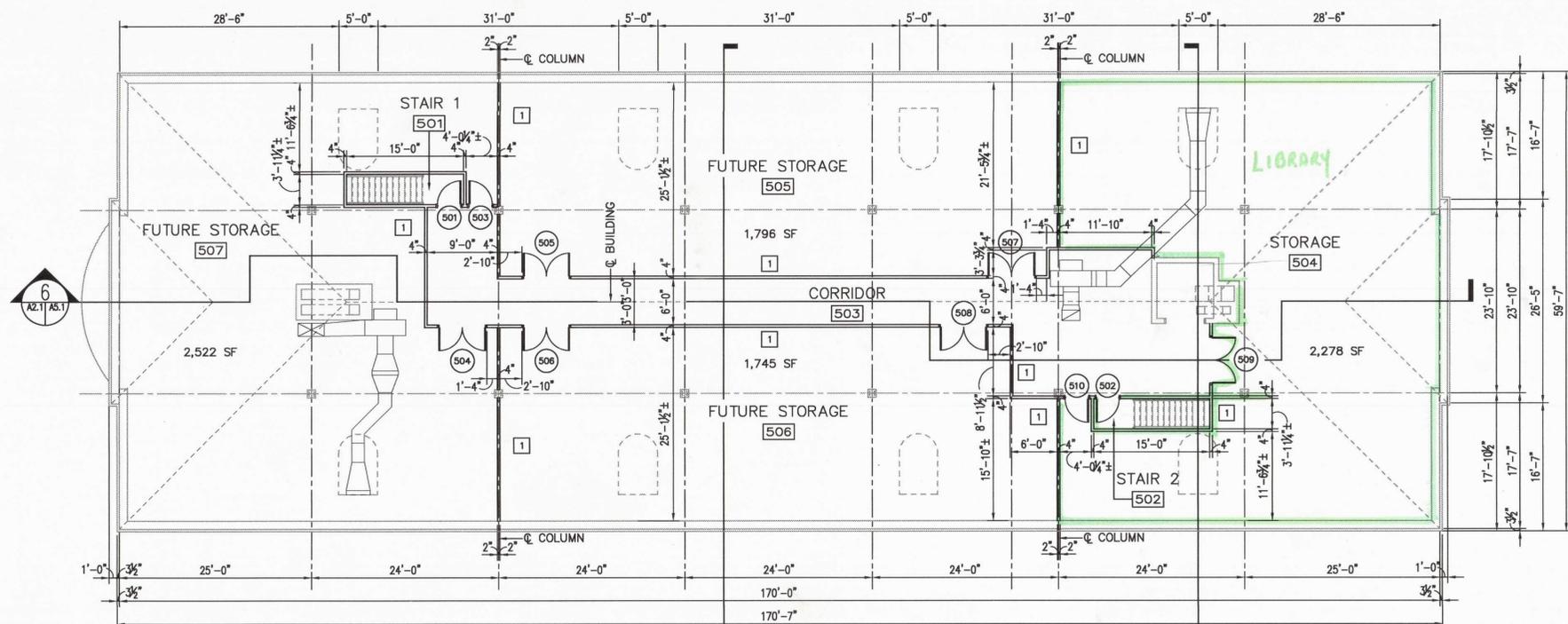
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	NO. DATE	21 SEP 2007
	COMM NO.	0735
	SET NO.	
	SHEET NO.	T1
	SHEET	1 of 6



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**EXISTING ATTIC PLAN**  
1/8"=1'-0"



**NEW WORK ATTIC PLAN**  
1/8"=1'-0"

**GENERAL DEMOLITION NOTES:**

- THESE DRAWINGS HAVE BEEN DEVELOPED FROM AS-BUILT DRAWINGS AND FIELD DIMENSIONS AND MAY NOT REFLECT EXISTING FIELD CONDITIONS. THE CONTRACTOR SHALL VERIFY THESE DRAWINGS WITH THE FIELD CONDITIONS AND SHALL NOTIFY THE ARCHITECT IN WRITING OF ANY INCONSISTENCIES BETWEEN THESE DRAWINGS AND ACTUAL CONDITIONS.
- THE CONTRACTOR SHALL ALSO NOTIFY THE ARCHITECT IN WRITING IF ANY WORK DESCRIBED IN THE CONTRACT DOCUMENTS CANNOT BE PERFORMED DUE TO EXISTING FIELD CONDITIONS, EVEN THOUGH THE EXISTING CONDITIONS ARE DRAWN CORRECTLY ON THESE DRAWINGS.
- IF ANY EXISTING FIREPROOFING OR FIRE ASSEMBLIES WHICH ARE TO REMAIN ARE DAMAGED DURING DEMOLITION, THEY SHALL BE REPAIRED TO MEET ORIGINAL FIRE PROTECTION REQUIREMENTS.
- REMOVE EXISTING CONSTRUCTION AS SHOWN. TYPICAL WALL REMOVAL INCLUDES FINISHES, MECHANICAL, PLUMBING, AND ELECTRICAL SYSTEMS CONTAINED THEREIN. AFTER REMOVAL OF PIPE CHASE, WALLS, DOORS, WINDOWS, ETC. REPAIR HOLES IN REMAINING EXISTING FLOORS OR EXISTING WALLS TO REMAIN TO MEET ORIGINAL AESTHETICS, FIRE PROTECTION REQUIREMENTS AND STRUCTURAL REQUIREMENTS. PATCH ADJOINING WALLS, FLOORS AND CEILING TO MATCH ADJACENT SURFACES. PREPARE EXISTING SURFACES TO RECEIVE NEW FINISHES AS PER DRAWINGS AND SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING AND REPAIRING ALL FINISHES LEFT EXPOSED DUE TO DEMOLITION WHETHER INDICATED OR NOT IN A MANNER WHICH WILL ELIMINATE EVIDENCE OF PATCHING AND REFINISHING.
- SEE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR DEMOLITION OF ITEMS ASSOCIATED WITH THESE DISCIPLINES.
- PROVIDE OPENINGS IN EXISTING FLOORS, WALLS, ROOFS OR CEILINGS FOR PLUMBING, MECHANICAL, AND ELECTRICAL ITEMS NOT SHOWN ON THE ARCHITECTURAL DEMOLITION DRAWINGS. SEE PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS FOR THESE ITEMS. AFTER INSTALLATION PATCH AND REPAIR EXISTING FLOORS, WALLS, ROOFS OR CEILINGS TO THEIR ORIGINAL INTEGRITY.

**DEMOLITION KEY NOTES:**

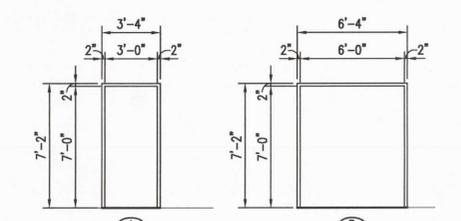
- 1 REMOVE EXISTING STAIR ENCLOSURE, DOOR AND RFAME AT ATTIC LEVEL.

**GENERAL NEW WORK NOTES:**

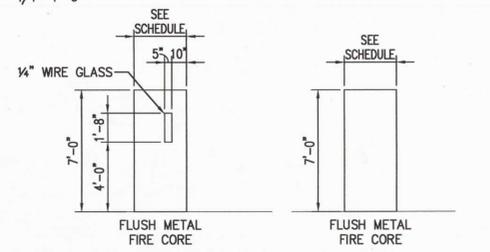
- SEE DEMOLITION NOTES FOR ADDITIONAL NEW WORK OF PATCHING, REPAIRING AND REPAIRING TO EXISTING FINISHES AND SURFACES.
- NEW METAL STUD WALLS (THICKNESS AS INDICATED) SHALL EXTEND A MIN OF 4" ABOVE CEILING HEIGHT (SEE FINISH SCHEDULE), UNLESS NOTED OR SHOWN OTHERWISE.
- FLOOR FINISH TRANSITION AT DOORS IS TO BE MADE AT THE UNDERSIDE OF DOOR.
- DOORS AT NEW OPENINGS THAT ARE NOT LOCATED BY A DIMENSION, ARE TO BE LOCATED 4" OFF THE ADJACENT WALL AT HINGE SIDE.
- ALL EXPOSED SURFACES SHALL BE PAINTED UNLESS FACTORY FINISHED.
- (A100) NEW DOOR MARK, SEE DOOR SCHEDULE ON SHEET A2.1.
- (CORRIDOR A100) NEW AREA NAME & NUMBER, SEE FINISH SCHEDULE ON SHEET A2.1.
- 1 DEMOLITION KEY NOTES, SEE THIS SHEET.
- 1 RENOVATION NEW WORK KEY NOTES, SEE THIS SHEET
- AT ALL LOCATIONS WHERE ELECTRICAL, PLUMBING AND/OR MECHANICAL WORK PENETRATES WALL, FLOOR AND/OR CEILING, PATCH AND REPAIR WALL, FLOOR AND CEILING. WORK NEW INTO EXISTING AND MATCH EXISTING ADJACENT FINISH.

**NEW WORK KEY NOTES:**

- 1 NEW METAL STUD WALLS.



**HOLLOW METAL DOOR FRAME ELEVATIONS**  
1/4"=1'-0"



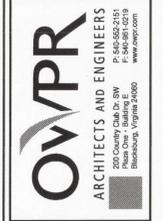
**I DOOR TYPE ELEVATIONS**  
1/4"=1'-0"

FINISH SCHEDULE										
MARK	AREA NAME	BASE MATERIAL	FLOOR MATL	FLOOR FINISH	WALL			CEILING		REMARKS
					MATL	FINISH	MATERIAL	FINISH	HEIGHT	
501	STAIR 1	VINYL	EXIST	SEAL	5/8" GWB	PAINT	5/8" GWB	PAINT	7'-6"	---
502	STAIR 2	VINYL	EXIST	SEAL	5/8" GWB	PAINT	5/8" GWB	PAINT	7'-6"	---
503	CORRIDOR	VINYL	EXIST	SEAL	5/8" GWB	PAINT	5/8" GWB	PAINT	8'-0"	---
504	STORAGE	VINYL	EXIST	SEAL	5/8" GWB	PAINT	BATT INSUL	EXPOSED	VARIES	---
505	FUTURE STORAGE	---	---	---	---	---	---	---	---	---
506	FUTURE STORAGE	---	---	---	---	---	---	---	---	---
507	FUTURE STORAGE	---	---	---	---	---	---	---	---	---

MARK	DOOR								FRAME				FIRE RATING	HARDWARE SET NO	REMARKS
	SIZE			CORE	TYPE	MATERIAL	FINISH		TYPE	MATERIAL	FINISH	DEPTH			
	WIDTH	HEIGHT	THICKNESS												
501	3'-0"	7'-0"	1 3/4"	SOLID	I	HM	PAINT	A	HM	PAINT	5 3/4"	90 MIN	---	INSULATED	
502	3'-0"	7'-0"	1 3/4"	SOLID	I	HM	PAINT	A	HM	PAINT	5 3/4"	90 MIN	---	INSULATED	
503	3'-0"	7'-0"	1 3/4"	SOLID	I	HM	PAINT	A	HM	PAINT	5 3/4"	90 MIN	---	INSULATED	
504	PR 3'-0"	7'-0"	1 3/4"	SOLID	II	HM	PAINT	B	HM	PAINT	5 3/4"	90 MIN	---	INSULATED	
505	PR 3'-0"	7'-0"	1 3/4"	SOLID	II	HM	PAINT	B	HM	PAINT	5 3/4"	90 MIN	---	INSULATED	
506	PR 3'-0"	7'-0"	1 3/4"	SOLID	II	HM	PAINT	B	HM	PAINT	5 3/4"	90 MIN	---	INSULATED	
507	PR 3'-0"	7'-0"	1 3/4"	SOLID	II	HM	PAINT	B	HM	PAINT	5 3/4"	90 MIN	---	INSULATED	
508	PR 3'-0"	7'-0"	1 3/4"	SOLID	II	HM	PAINT	B	HM	PAINT	5 3/4"	90 MIN	---	INSULATED	
509	PR 3'-0"	7'-0"	1 3/4"	SOLID	II	HM	PAINT	B	HM	PAINT	5 3/4"	90 MIN	---	INSULATED	
510	3'-0"	7'-0"	1 3/4"	SOLID	I	HM	PAINT	A	HM	PAINT	5 3/4"	90 MIN	---	INSULATED	



No.	Date	Description	Revisions



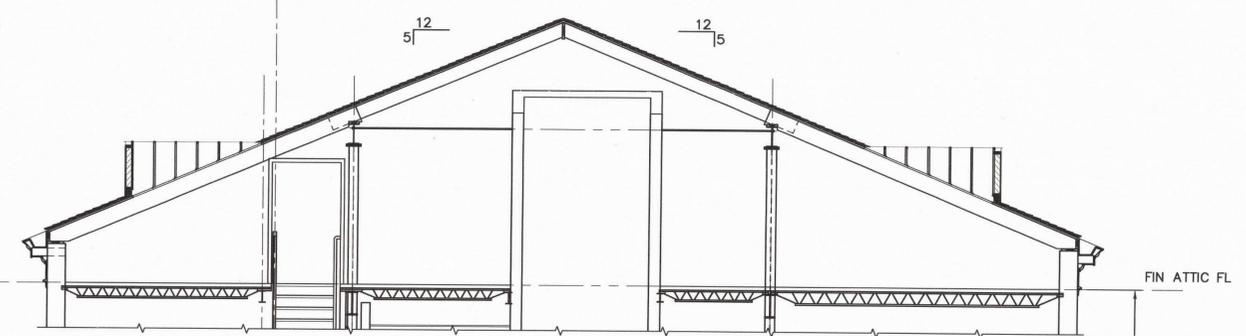
**CRAWFORD HALL**  
**ATTIC STORAGE**  
ROANOKE COLLEGE  
SALEM, VIRGINIA

Comm. No. 0735	Date 21 SEP 07
Designed: OHH	Drawn: OHH
Checked: OHH	Approved: RSJ

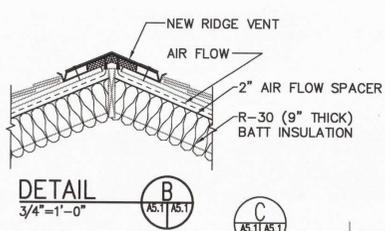
**ATTIC FLOOR PLANS AND SCHEDULES**  
**A2.1**

Scale: 1/16"=1'-0", 1/8"=1'-0", 1/4"=1'-0", 1/2"=1'-0", 3/4"=1'-0", 1"=1'-0", 1 1/2"=1'-0", 2"=1'-0", 3"=1'-0", 4"=1'-0", 6"=1'-0", 12"=1'-0"

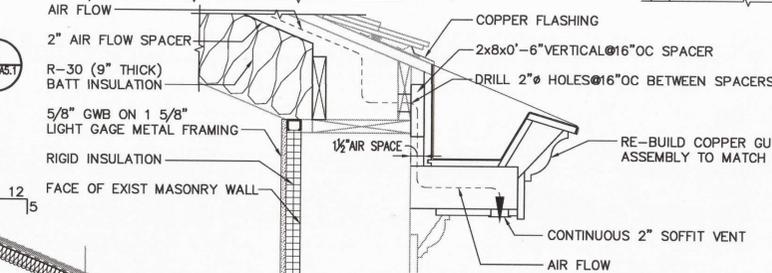
1/16"=1'-0" 1/8"=1'-0" 1/4"=1'-0" 1/2"=1'-0" 3/4"=1'-0" 1"=1'-0" 1 1/2"=1'-0" 2"=1'-0" 3"=1'-0" 4"=1'-0" 6"=1'-0" 8"=1'-0" 12"=1'-0"



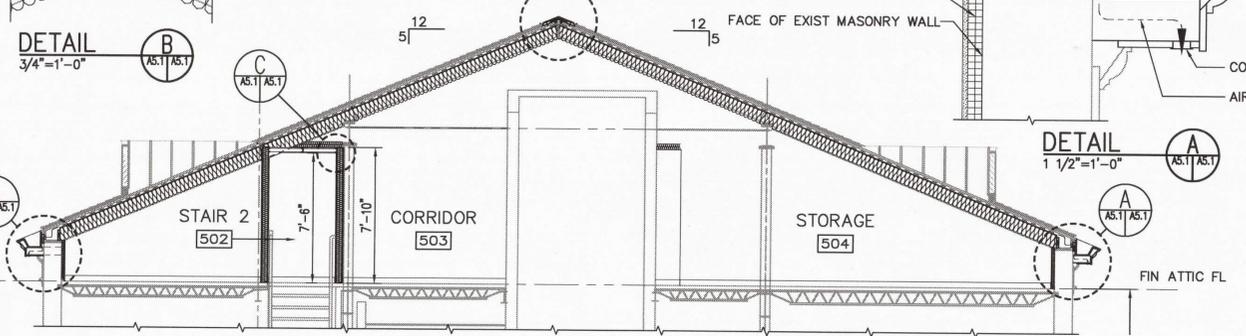
**EXISTING SECTION 1**  
1/4"=1'-0"



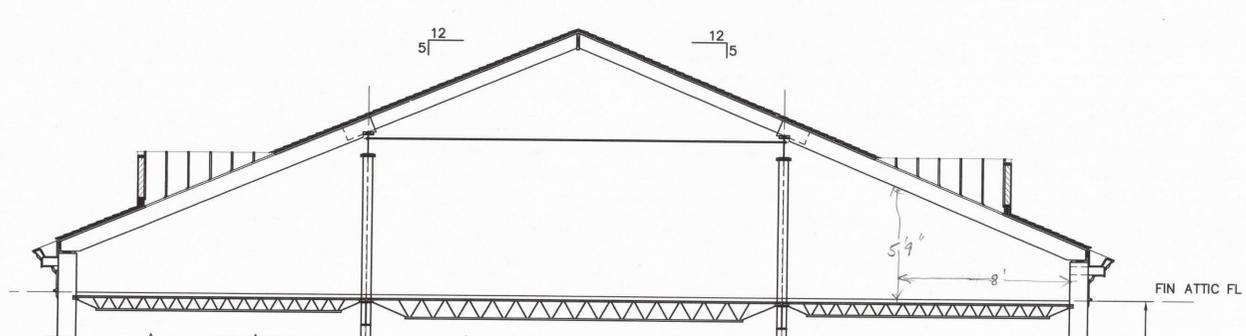
**DETAIL B**  
3/4"=1'-0"



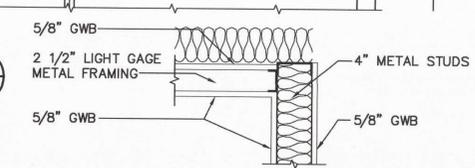
**DETAIL A**  
1 1/2"=1'-0"



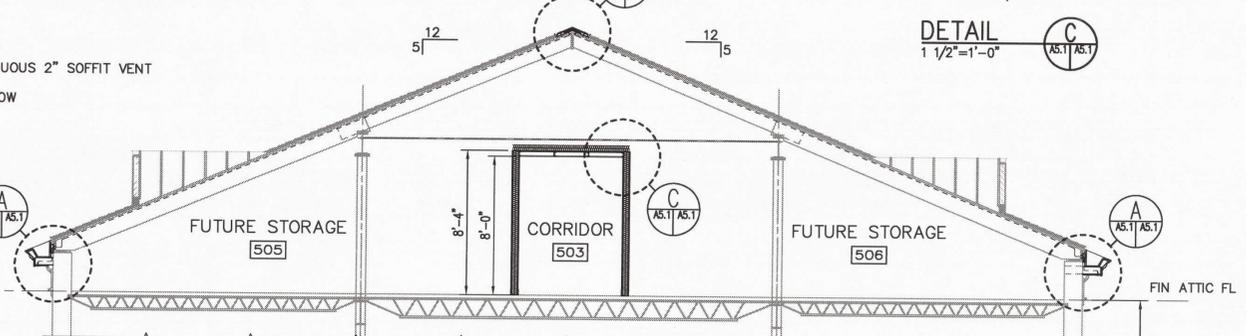
**NEW WORK SECTION 3**  
1/4"=1'-0"



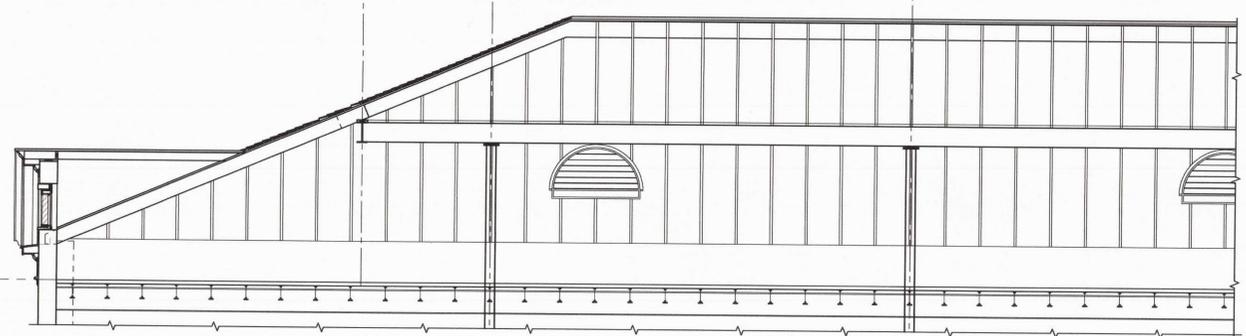
**EXISTING SECTION 2**  
1/4"=1'-0"



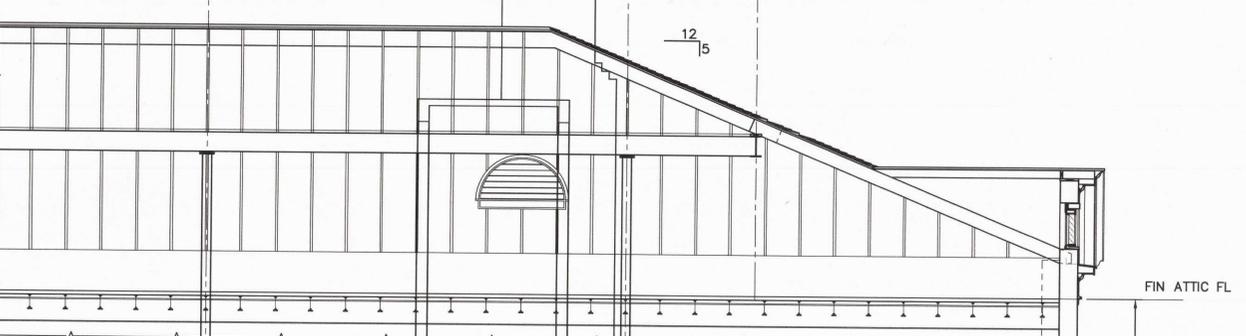
**DETAIL C**  
1 1/2"=1'-0"



**NEW WORK SECTION 4**  
1/4"=1'-0"



**EXISTING SECTION 5**  
1/4"=1'-0"



**NEW WORK SECTION 6**  
1/4"=1'-0"



No.	Description	Revisions

**OVPR**  
ARCHITECTS AND ENGINEERS  
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Roanoke, Virginia 24060  
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**CRAWFORD HALL  
ATTIC STORAGE**

ROANOKE COLLEGE  
SALEM, VIRGINIA

Comm. No. 0735  
Date 21 SEP 07

Designed: \_\_\_\_\_  
Drawn: \_\_\_\_\_  
Checked: \_\_\_\_\_  
Approved: \_\_\_\_\_

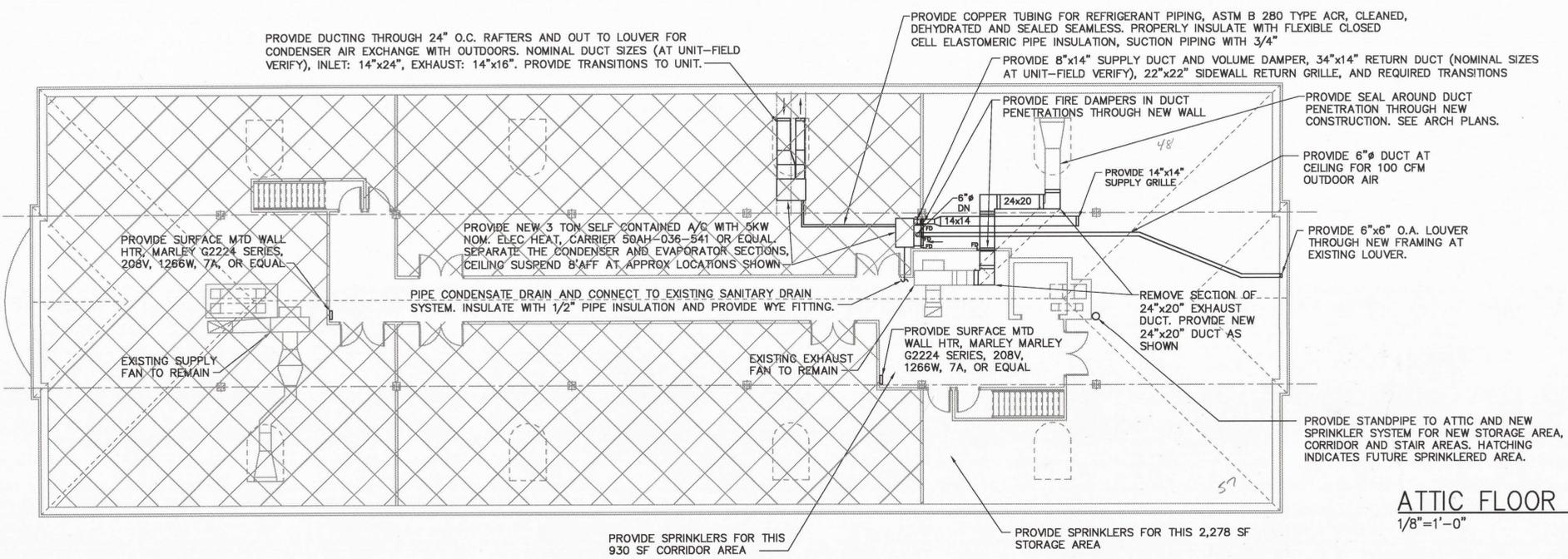
**SECTIONS & DETAILS**

**A5.1**

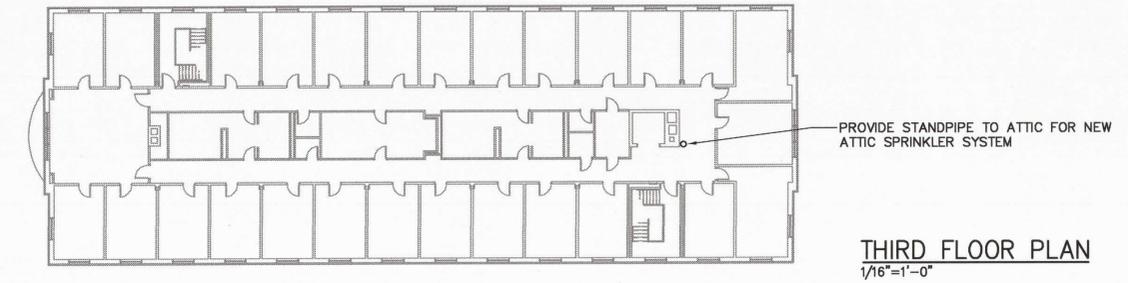
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57  
336  
240  
2736  
400  
238



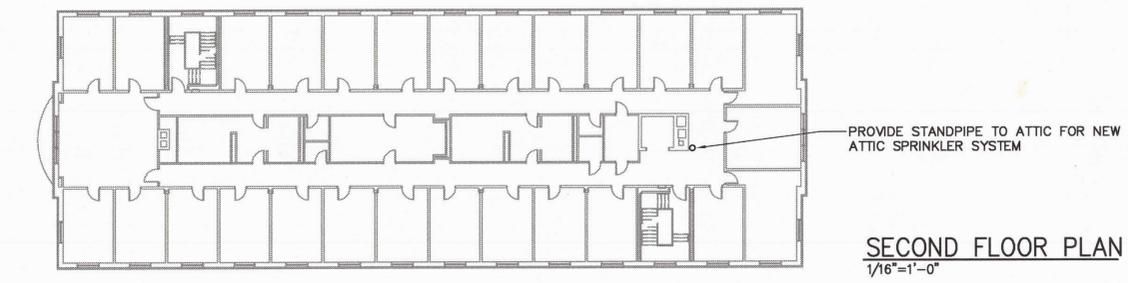
12"  
9"  
6"  
3"  
0.1"  
3"=1'-0"  
1"  
6"  
1 1/2"=1'-0"  
1"  
1'-6"  
6"  
1"  
1"=1'-0"  
2"  
3/4"=1'-0"  
1"  
2"  
1/2"=1'-0"  
4"  
1/4"=1'-0"  
5"  
1/8"=1'-0"  
16"



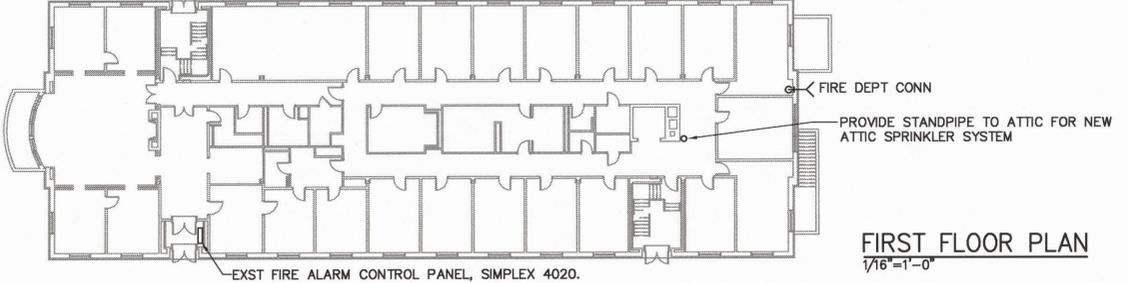
**ATTIC FLOOR PLAN**  
1/8"=1'-0"



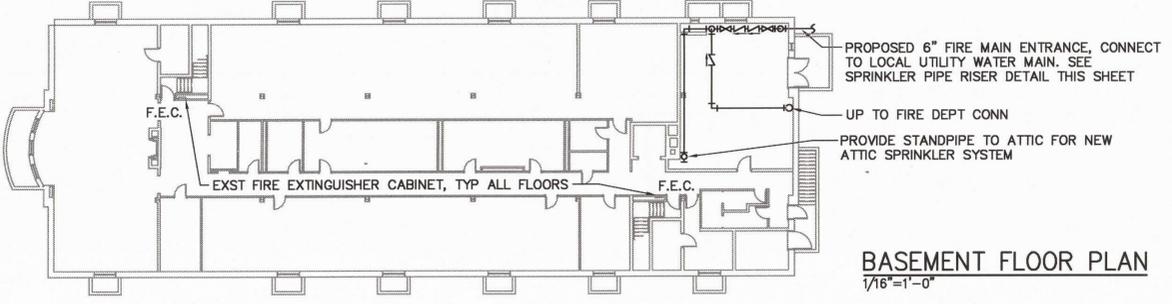
**THIRD FLOOR PLAN**  
1/16"=1'-0"



**SECOND FLOOR PLAN**  
1/16"=1'-0"



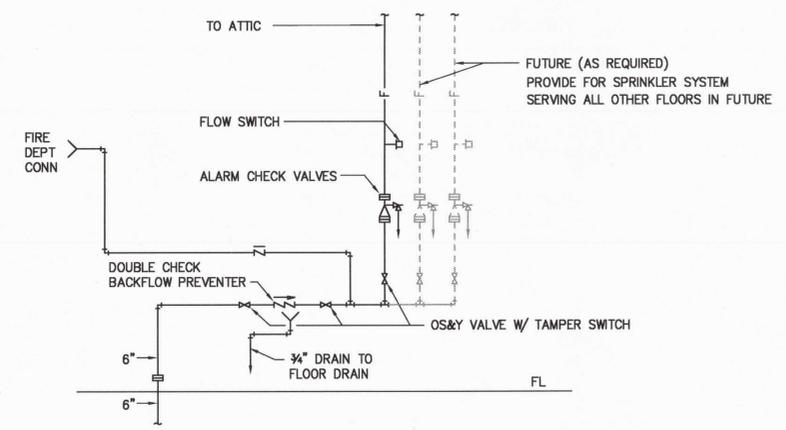
**FIRST FLOOR PLAN**  
1/16"=1'-0"



**BASEMENT FLOOR PLAN**  
1/16"=1'-0"

**MECHANICAL NOTES:**

- DRAWINGS ARE DIAGRAMMATIC, INTENDED TO CONVEY SCOPE OF WORK AND GENERAL ARRANGEMENT OF EQUIPMENT. CONTRACTOR SHALL FIELD VERIFY EXISTING SIZES, LOCATIONS, CONDITIONS AND CLEARANCES PRIOR TO FABRICATION OF ANY DUCTWORK OR PIPING, PURCHASING MATERIALS AND PROCEEDING WITH CONSTRUCTION.
- ALL WORK SHALL CONFORM TO THE VIRGINIA UNIFORM STATEWIDE BUILDING CODE (2003 VUSBC), NFPA 13, THE NATIONAL ELECTRIC CODE (2002 NEC), APPLICABLE ASHRAE STANDARDS, AND ALL LOCAL CODES, RULES, REGULATIONS AND ORDINANCES.
- ALL EQUIPMENT SHALL BE INSTALLED IN STRICT COMPLIANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. CONTRACTOR SHALL PROVIDE ALL HANGERS & SUPPORTS, ACCESSORIES AND TRANSITIONS AS REQUIRED FOR A COMPLETE INSTALLATION. ALL DUCTWORK AND ACCESSORIES SHALL BE GALVANIZED STEEL, ASTM A 527, AND SHALL MEET SMACMA STANDARDS.
- CONTRACTOR SHALL COORDINATE ROUTING OF ALL DUCTS, & PIPING WITH EXISTING CONDITIONS AND SHALL PROVIDE NECESSARY TRANSITIONS, VALVES & TEES, OFFSETS, ETC. AS REQUIRED FOR A COMPLETE INSTALLATION.
- SEAL PENETRATIONS THROUGH WALLS AND FLOORS AND MAINTAIN INTEGRITY OF FIRE AND ACOUSTIC RATINGS OF WALLS AND FLOORS.



**SPRINKLER PIPE RISER DETAIL**  
NO SCALE

**SPRINKLER SYSTEM NOTES:**

- IN GENERAL THE WORK CONSISTS OF, BUT IS NOT LIMITED TO: A HYDRAULIC DESIGNED AND TESTED WET PIPE SPRINKLER SYSTEM FOR PARTIAL PROTECTION OF THE BUILDING IN ATTIC AREAS SHOWN ON PLANS. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH NFPA 13, 24, 70, 72, AND 291.
- FURTHERMORE, THE SPRINKLER SYSTEM PROVIDED SHALL BE DESIGNED, CALCULATED, SIZED, ARRANGED, TESTED AND CAPPED FOR THE PROTECTION OF THE REMAINDER OF THE BUILDING IN FUTURE.
- SPRINKLER SYSTEM SHALL BE READY FOR OPERATION, INCLUDING, BUT NOT NECESSARILY RESTRICTED TO THE FOLLOWING: PIPING TO FIVE FEET OUTSIDE BLDG, SPRINKLER HEADS IN INDICATED SPRINKLERED ATTIC AREAS, FLOW SWITCHES, VALVES, INSPECTOR'S TEST ASSEMBLIES, DRAINS, SIGNAGE AND FIRE DEPARTMENT CONNECTION WITH CHECK VALVE, BALL DRIP AND INTERCONNECTING PIPING TO SPRINKLER RISER.
- FURNISH, INSTALL AND ADJUST AS NECESSARY ALL WATERFLOW AND VALVE SUPERVISORY SWITCHES AND SIGNAL WIRING TO EXST FACP. PROVIDE COORDINATION AND INTERFACE OF ALARM INITIATING AND SUPERVISORY DEVICES WITH THE EXST FIRE ALARM SYSTEM.

No.	Description	Date

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www.owpr.com

**CRAWFORD HALL  
ATTIC STORAGE**

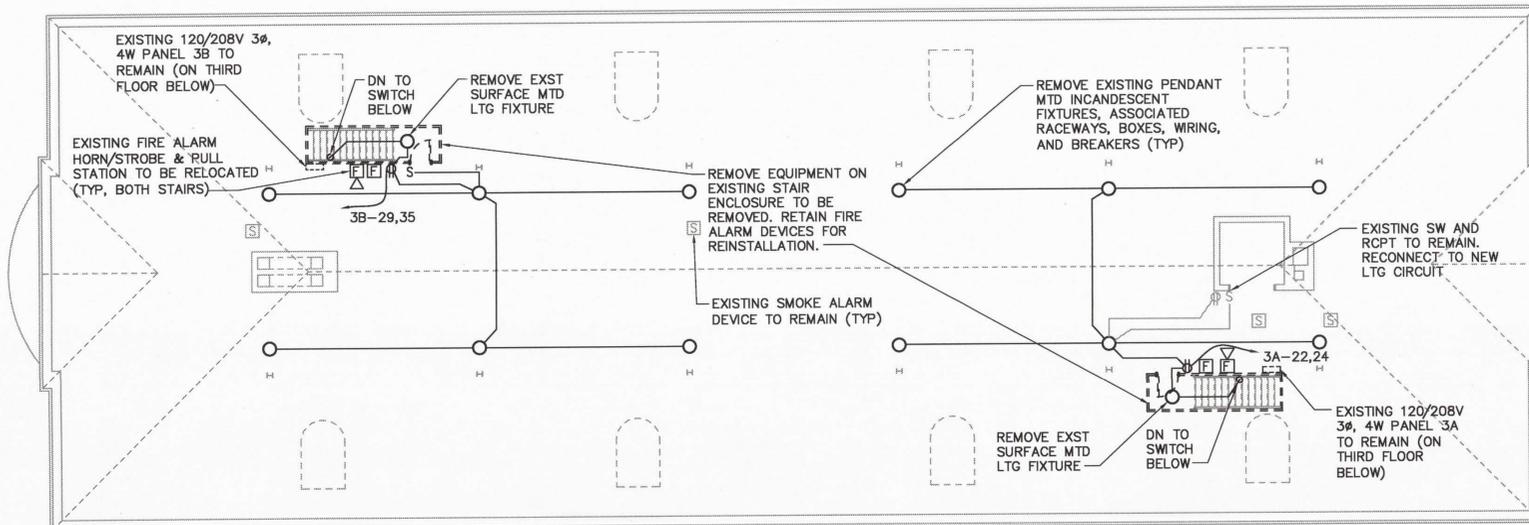
ROANOKE COLLEGE

SALEM, VIRGINIA

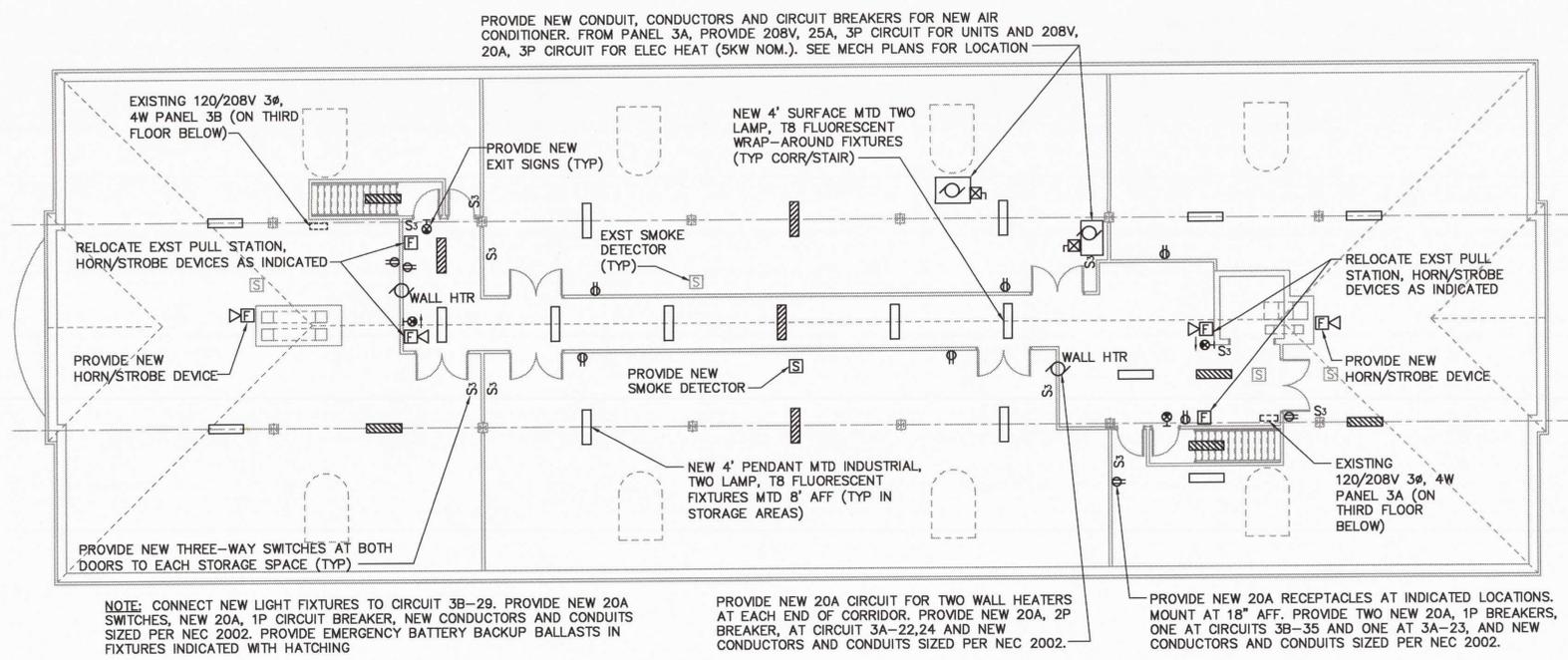
Comm. No. 0735  
Date 21 SEP 07

Designed: CLG  
Drawn: CLG  
Checked: SRF  
Approved: RSJ

**MECHANICAL PLANS**



**ATTIC DEMOLITION PLAN**  
1/8"=1'-0"



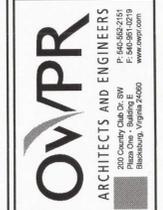
**ATTIC NEW WORK PLAN**  
1/8"=1'-0"

**ELECTRICAL NOTES:**

- ALL WORK SHALL CONFORM TO THE VIRGINIA UNIFORM STATEWIDE BUILDING CODE (2003 VUSBC), THE NATIONAL ELECTRIC CODE (2002 NEC), AND ALL LOCAL CODES, RULES, REGULATIONS AND ORDINANCES.
- DRAWINGS ARE DIAGRAMMATIC, INTENDED TO CONVEY SCOPE OF WORK AND GENERAL ARRANGEMENT OF EQUIPMENT. CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS, LOCATIONS, CONDITIONS AND CLEARANCES PRIOR TO CONSTRUCTION.
- ALL EQUIPMENT SHALL BE INSTALLED IN STRICT COMPLIANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. CONTRACTOR SHALL PROVIDE ALL HANGERS, SUPPORTS AND ACCESSORIES AS REQUIRED FOR A COMPLETE INSTALLATION. ALL EQUIPMENT SHALL BE SURFACE MTD, UNLESS SPECIFIED OTHERWISE.
- PROVIDE EXIT SIGNS, LITHONIA QUANTUM SERIES OR EQUAL WITH BATTERY BACK-UP, WHERE INDICATED AND CONNECT TO CLOSEST LIGHTING CIRCUIT.
- SEAL PENETRATIONS THROUGH WALLS AND FLOORS TO MAINTAIN THE INTEGRITY OF THE FIRE AND ACOUSTIC RATINGS OF THE WALLS AND FLOORS.
- FIRE ALARM SYSTEM SHALL BE UPGRADED TO MEET ALL APPLICABLE CODES FOR NEW WORK AREAS (SMOKE DETECTORS AND HORN/STROBE DEVICES IN ATTIC AND SPRINKLER TAMPER & FLOW SWITCH/INDICATORS IN BASEMENT). PROVIDE NEW DEVICES TO MATCH EXISTING AND CONNECT DEVICES TO EXISTING FIRE ALARM SYSTEM AND FIRE ALARM CONTROL PANEL ON 1ST FLOOR. SEE MECH PLANS FOR FACP LOCATION. MOUNT PULL STATIONS AT 48" AFF AND HORN/STROBE DEVICES AT 80" AFF.



No.	Description	Date



**CRAWFORD HALL  
ATTIC STORAGE**

ROANOKE COLLEGE  
SALEM, VIRGINIA

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Comm. No. 0735	Date 21 SEP 07		

**ELECTRICAL PLANS**

1/16"=1'-0" 0 8' 16" 1/8"=1'-0" 0 5' 10" 1/4"=1'-0" 0 1' 2" 1/2"=1'-0" 0 1' 1/2" 3/4"=1'-0" 0 6" 1" 1 1/2"=1'-0"

abornett - 0735elec.dwg - Friday, February 15, 2008 - 3:17 PM