

CRAWFORD HALL ATTIC STORAGE

ROANOKE COLLEGE

SALEM, VIRGINIA

T1 TITLE SHEET

A2.1 FIRST FLOOR PLANS AND SCHEDULES

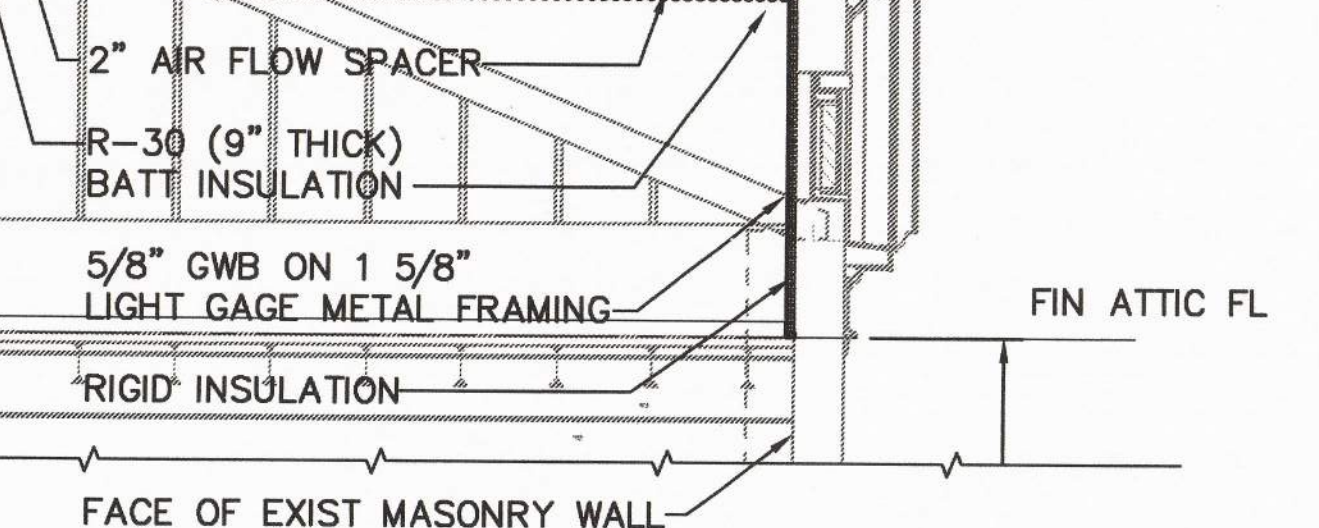
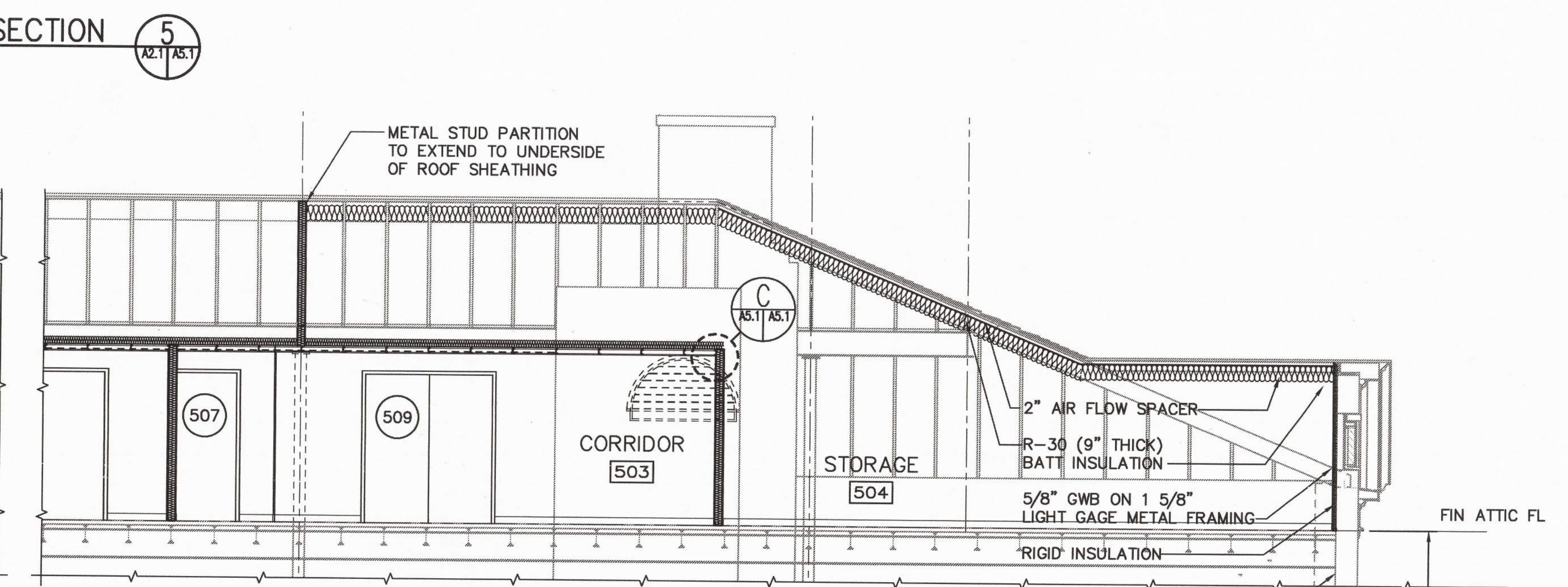
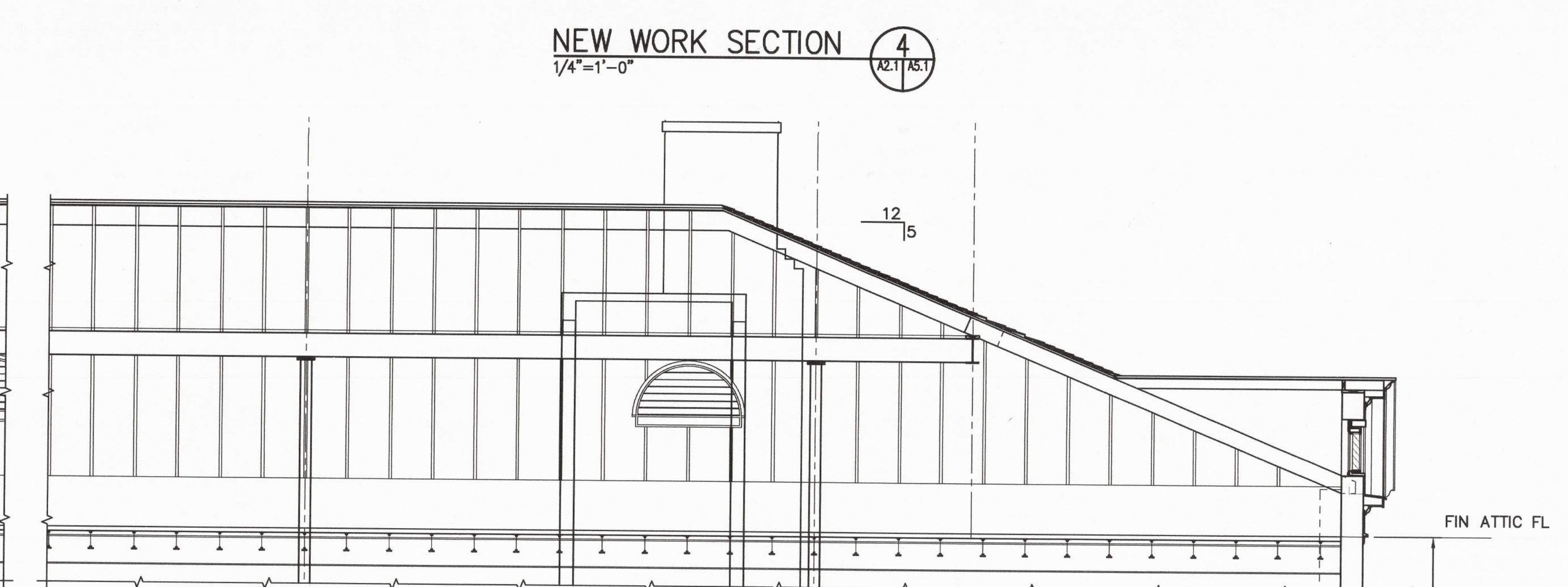
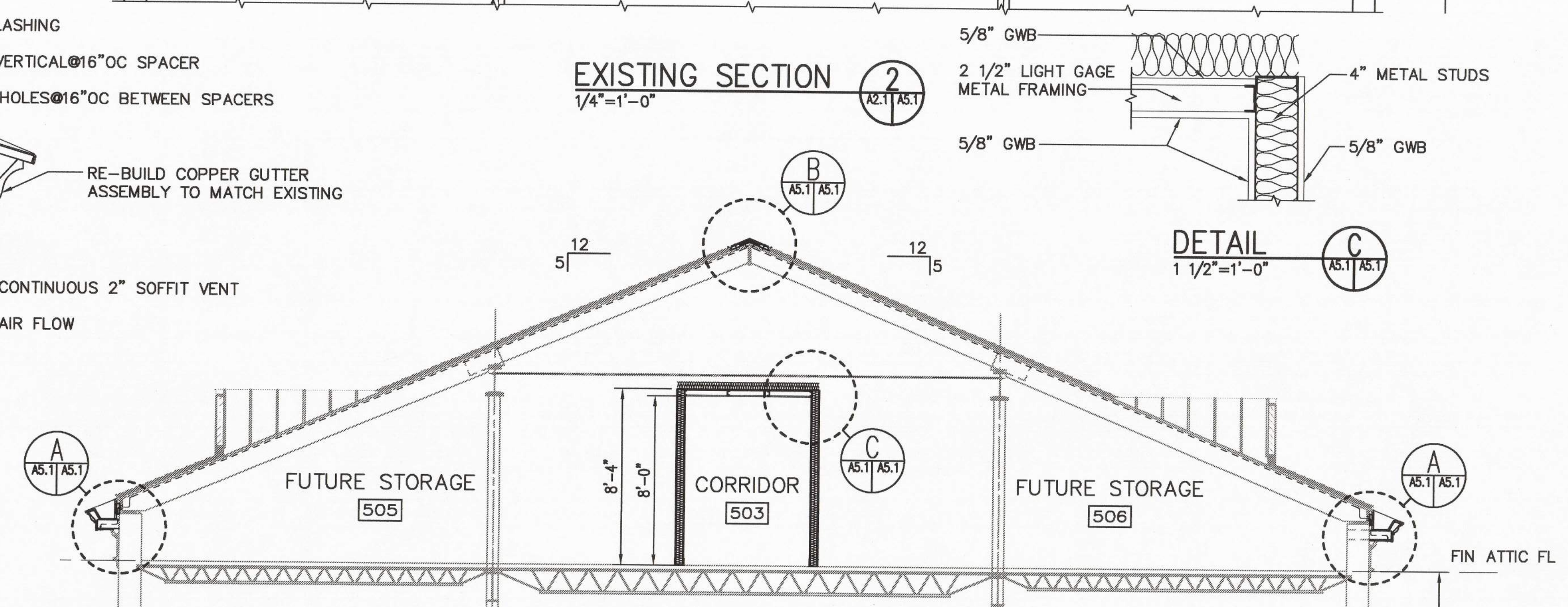
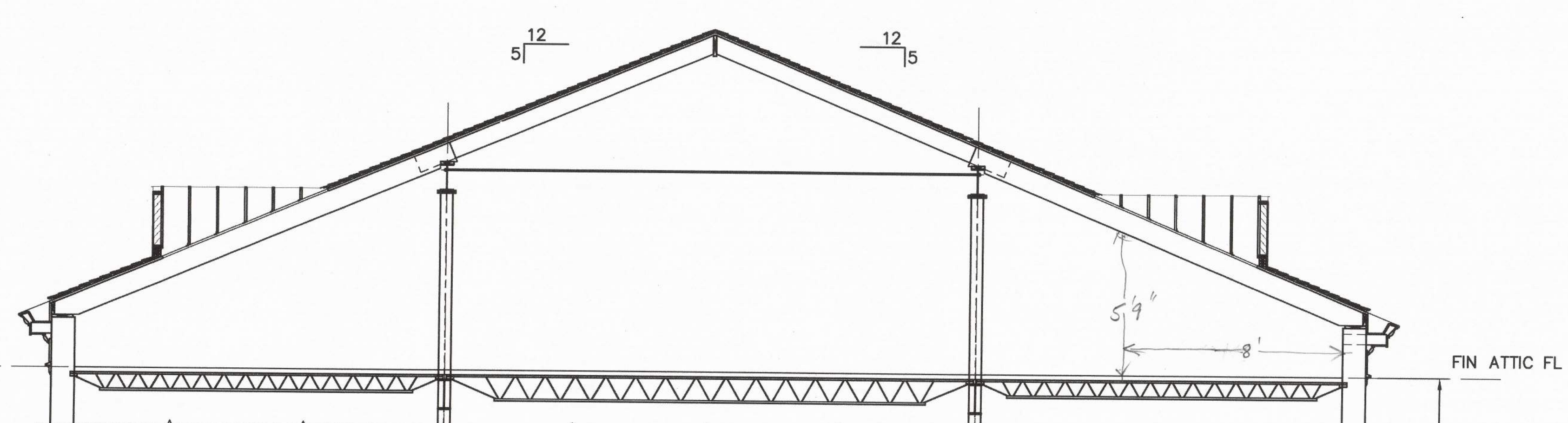
A5.1 SECTIONS & DETAILS

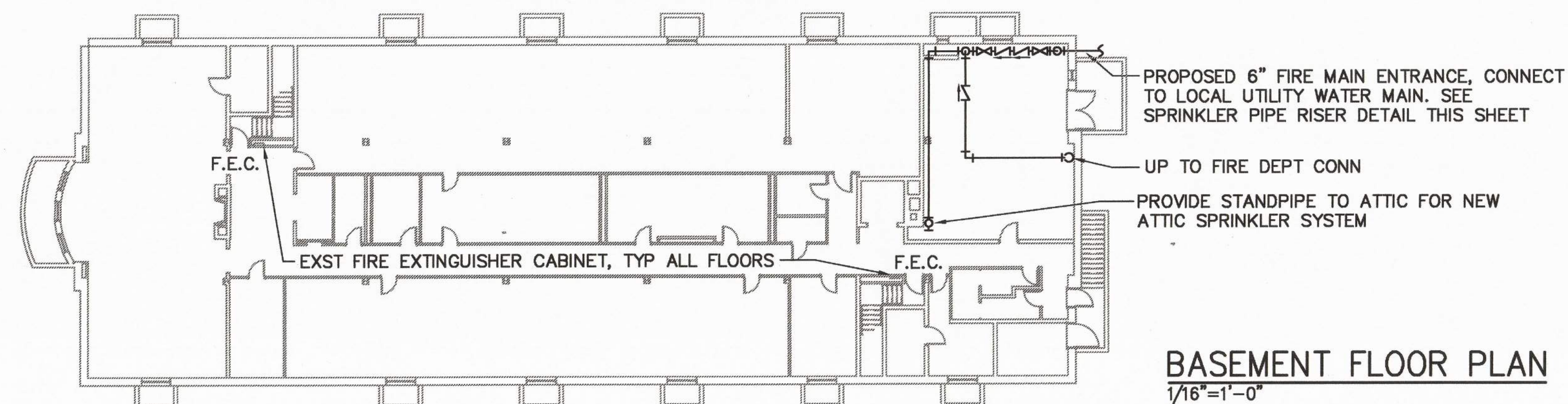
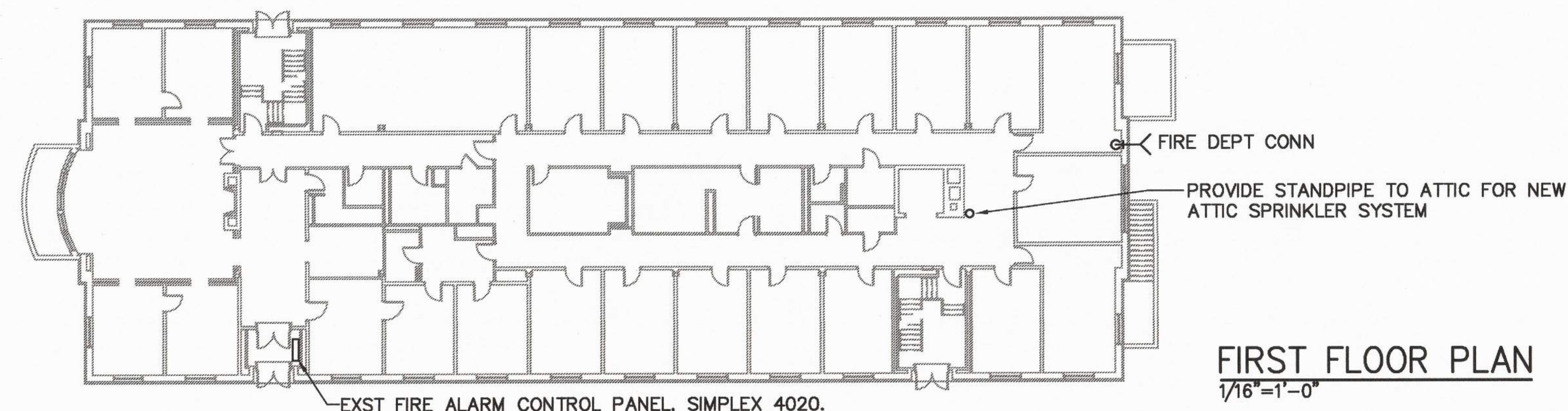
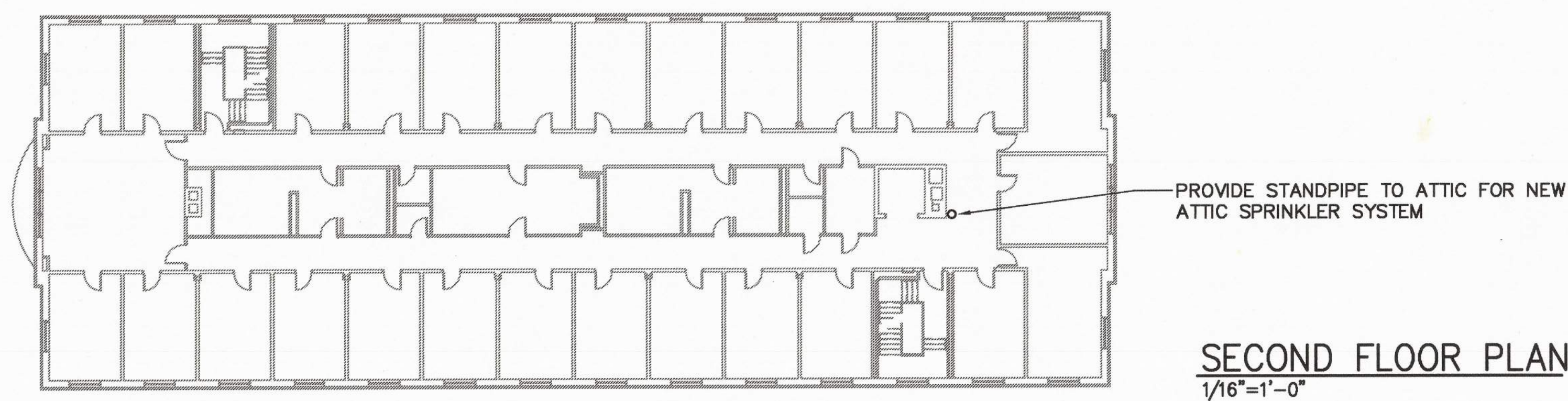
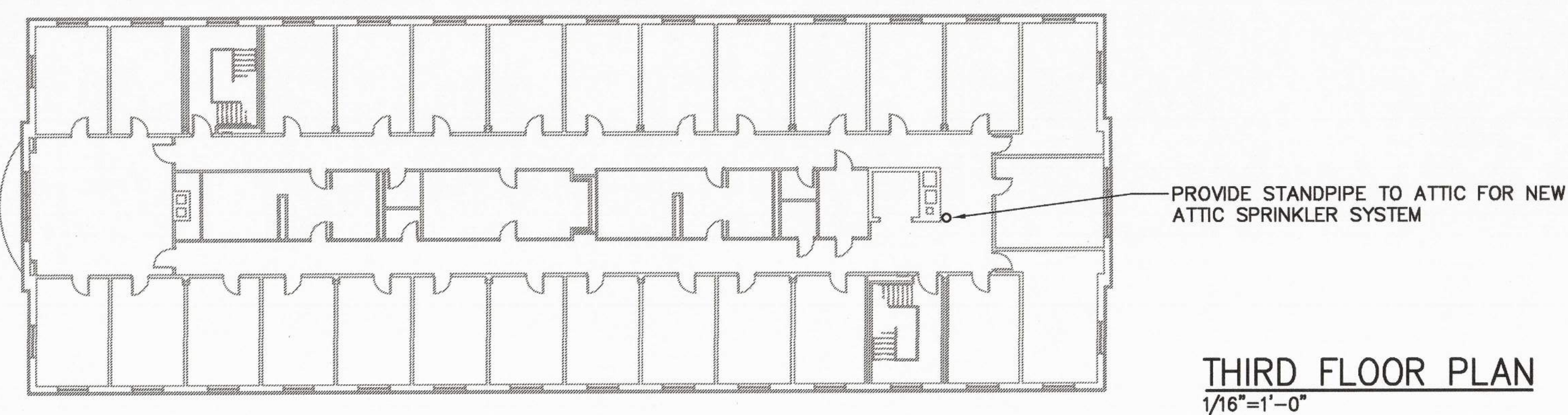
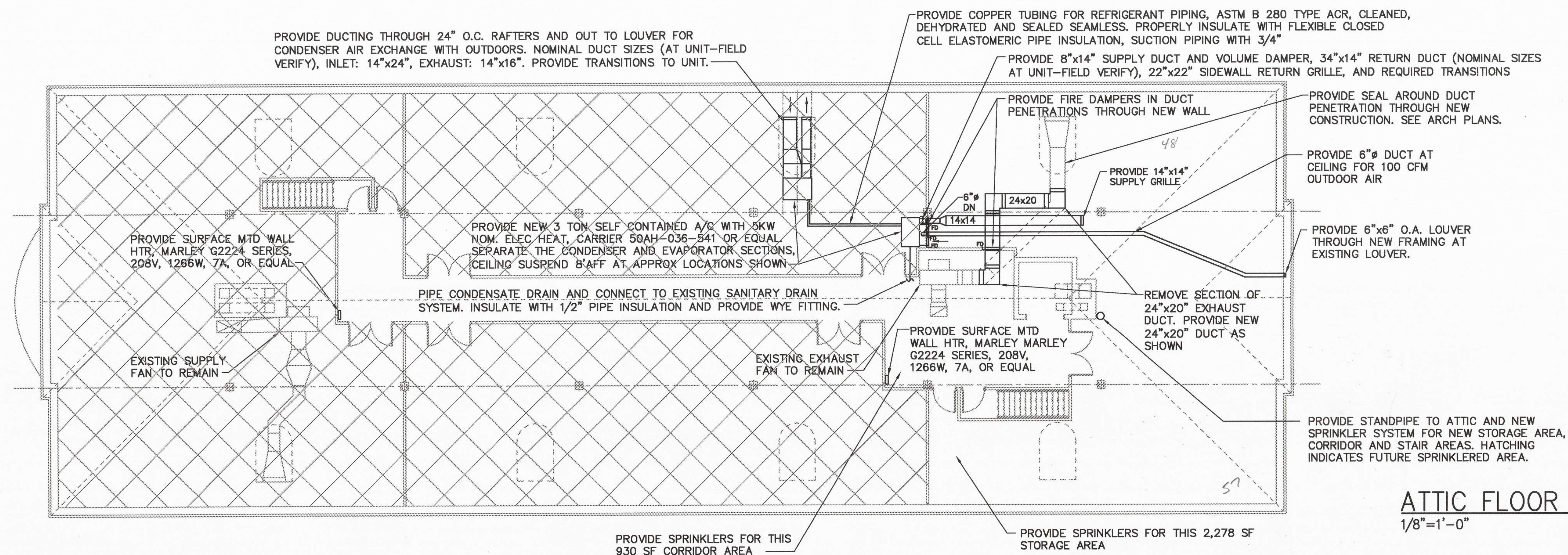
M1 MECHANICAL PLANS

E1 ELECTRICAL PLANS

ABBREVIATIONS

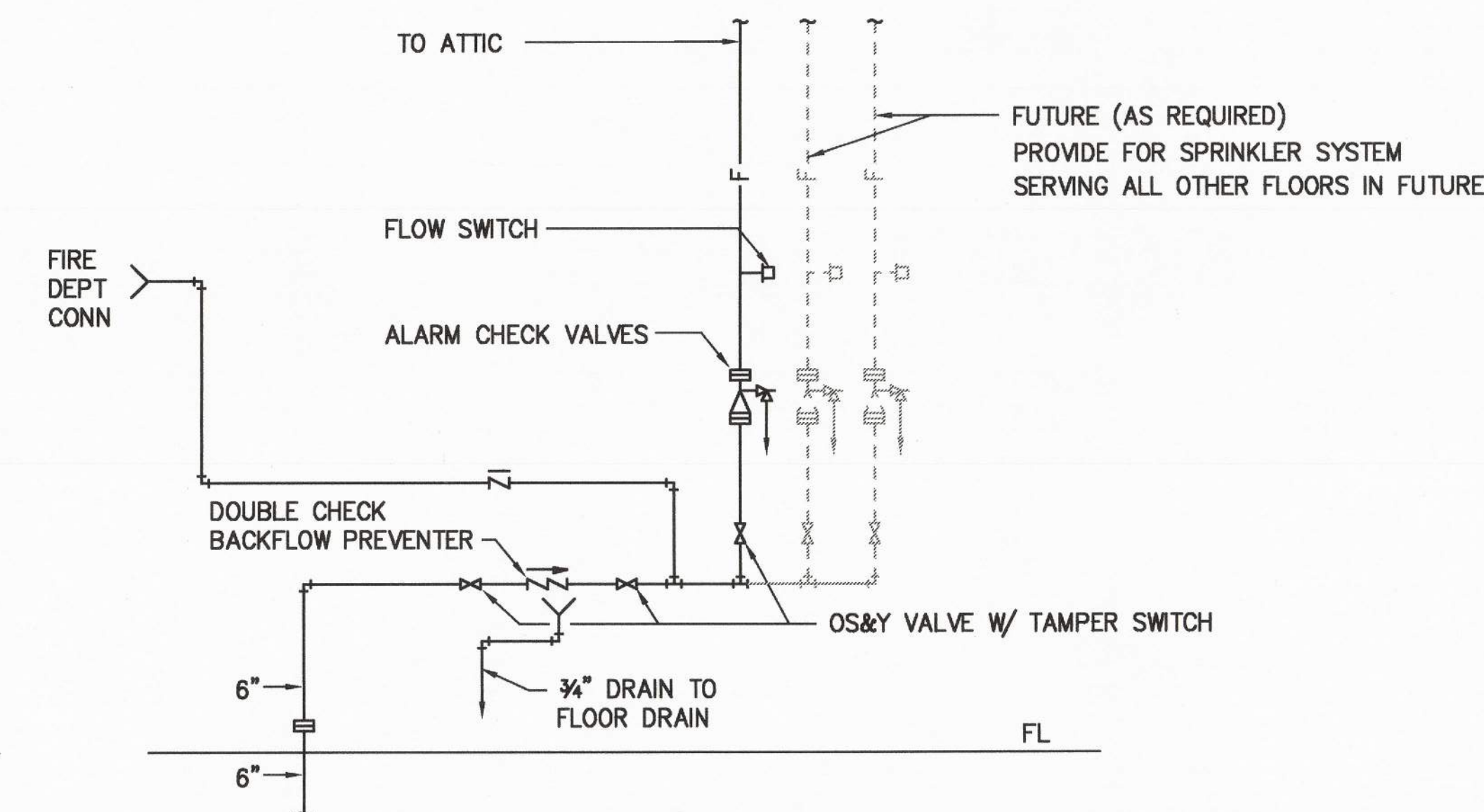
	ACRE	CPT	CARPET	G	GAS	MGFR	MANUFACTURER	RGH	RAIN LEADER, REFRIGERANT LIQUID,	V	VENT. VOLT. VALVE, VINYL
AB	ANCHOR BOLT, ADDITIVE BID ITEM	CR	CEILING REGISTER	GA	GAGE	MH	MANHOLE, MOUNTING HEIGHT	RL	ROOF LADDER	V ASB	VINYL ASBESTOS
ABV	ABOVE	CRS	CORROSION RESISTANT/COURSES	GALV	GALVANIZED	MIN	MINIMUM, MINUTE	RM	ROOM	VAC	VACUUM
AC	AIR CONDITIONING, ASBESTOS CEMENT,	CSK	COUNTER SINK	GFCI	GROUND FAULT CIRCUIT INTERRUPTER	MISC	MISCELLANEOUS	RNG	RANGE	VCP	VITRIFIED CLAY
ACSR	ALUMINUM CONDUCTOR STEEL REINFORCED	CJ	CERAMIC TILE, CURRENT TRANSFORMER	GL	GLASS	MO	MOTOR OPERATED, MASONRY OPENING	RO	ROUGH OPENING	VCT	VINYL COMPOSITION TILE
ACST	ACOUSTIC	CW	CENTER	GLE	GLOSS ENAMEL	MOH	MASONRY OPENING HEIGHT	RPM	REVOLUTIONS PER MINUTE	VERT	VENTILATING
AD	AREA DRAIN	CWB	CONDENSING UNIT, COPPER	GR	GRADE	MP	MASONRY OPENING WIDTH	RS	REFRIGERANT SUCTION, ROOF SCUPPER	VENT	VERTICAL
ADH	ADHESIVE		COLD WATER	GRD	GRADE		MEDIUM PRESSURE			VEST.	VESTIBULE
ADJ	ADJUSTABLE, ADJACENT		CAPILLARY WATER BARRIER	GRS	GROUND					VOL	VOLUME
AL	ALUMINUM	D	DEPTH, DEGREE OF CURVATURE, DRAIN	GSU	GLAZED STRUCTURAL UNIT	N	NORTH	S	SOUTH	VTR	VENT THRU ROOF
ALT	ALTERNATE	DB	DRY BULB, DECIBEL, DIRECT BURIAL	GW	GROUND WATER	NC	NON CORROSIVE	SAN	SANITARY SEWER	VWC	VINYL WALL COVERING
AMP	AMPERE	DEM	DEMOLITION	GWB	GYPSUM WALLBOARD	NDC	NOSE DOWN CURB	SATC	SCHEDULE		
AMP.A	ACRYLIC MODIFIED POLYESTER	DET	DETAIL			NEUT	NEUTRAL	SCH	SPECIAL COATING, ACRYLIC		
ANC	ANCHOR	DH	DRILL HOLE			NIC	NOT IN CONTRACT	SD	SPLITTER DAMPER, STORM DRAIN		
ANOD	ANODIZED	DIA	DIAMETER	H.HGT	HEIGHT	NO	NUMBER	SECT	SECTION	W	WIDTH, WASTE, WATER,
AP	APPROXIMATE	DIM	DIMENSION	HC	HANDICAP, HORIZONTAL CROSS-CONNECT (TELECOMMUNICATIONS)	NTS	NOT TO SCALE	SFCB	SPLIT FACE CONCRETE BLOCK	WA	WATT, WEST
APPROX	APPROXIMATE	DIST	DISTANCE	HD	HARDWARE	OA	OUTSIDE AIR	SFCB	STRUCTURAL GLAZED FACING TILE	W/O	WITHOUT
ARCH	ARCHITECTURAL	DN	DOWN	HDW	HOLLOW METAL	OC	ON CENTER	SGE	SERVICE	WB	WET BULB
ARR	ARRRESTOR	DL	DEAD LOAD	HM	HIGH INTENSITY DISCHARGE	OF	OWNER FURNISHED	SH	SHEET	WC	WATER CLOSET
ASPH	ASPHALT	DMPR	DAMPEN	HO	HOLLOW METAL	OPNG	OPENING	SH	SIMILAR	WG	WATER GAGE
ATC	ACOUSTICAL TILE CEILING	DO	DITTO	HR	HORSEPOWER, HIGH POINT	OPP	OPPOSITE	SKOP	SUSPENDED KEENE'S CEMENT PLASTER	WD	WOOD, WIDE
AUX	AUXILIARY	DS	DOWNSPOUT	HM	HOLLOW METAL	OPT	OPTION	SL	SLOPE	WH	WATER HEATER
AWG	AMERICAN WIRE GAGE	DV	DRAIN VALVE	HOZ	HORIZONTAL	OSD	OPEN SITE DRAIN	SMH	SANITARY MANHOLE	WL	WATER LEVEL
AV	AIR VENT	DW	DRY WALL, DISHWASHER	HS	HOUR	OSD	OPEN SITE DRAIN	SP	STATIC PRESSURE, SINGLE POLE	WP	WATERPROOF, WEATHERPROOF
		DWG	DRAWING	HTR	HEATER	OSD	OPEN SITE DRAIN	SPC	SUSPENDED PLASTER CEILING	WS	WASTE STACK, WATER SURFACE
B	BOTTOM, BATH			HV	HIGH VOLTAGE	OSD	OPEN SITE DRAIN	SPD	SINGLE POLE, DOUBLE THROW	WSH	WASHER
BBD	BASEBOARD DIFFUSER			HVY	HEAVY	OSD	OPEN SITE DRAIN	SPC	SPECIFICATION	WT	WEIGHT, WALL TILE
BD	BOARD			HVY	HVY	OSD	OPEN SITE DRAIN	SPD	SINGLE POLE, SINGLE THROW	WWF	WEIGHTED WIRE FABRIC
BHP	BRAKE HORSEPOWER	E	EAST	HZ	HOT WATER, HEADWALL			SQ	SQUARE		
BLDG	BUILDING	E	EACH	HZ	HIGH WATER LEVEL	P	PIPE, PAINT, PAINTED	SST	SANITARY SEWER	YD	YARD
BLCC	BLOCK	E.A.T.	ENTERING AIR TEMPERATURE			PAF	POWER ACTUATED FASTENER	STD	STEEL		
BLW	BELOW	E.C.	EMPTY CONDUIT			PTN	PARTITION	STD	STEEL		
BM	BEAM, BENCH MARK	EER	ENERGY EFFICIENCY RATIO	ID	INSIDE DIAMETER	PB	PULL BOX, PUSH BUTTON	STD	STEEL	X-STR	EXTRA STRENGTH
BT	BOTTOM	EFF	EFFICIENCY	IN	INCH	PH	PHASE	STD	STEEL	XMR	TRANSFORMER
BP	BASE PLATE	EFF	EFFICIENCY	IN	INCH	PI	POINT OF INTERSECTION	STL	STEEL		
BR	BOTTOM REGISTER	ELS	EXTERIOR INSULATION FINISH SYSTEM	INSUL	INSULATION, INSULATED	PI	POST INDICATOR VALVE	STR	STRUCTURE		
BRC	BEARING	EL	ELEVATION (FL EL. 57.0)	INT	INTERIOR	PJF	PREFORMED JOINT FILLER	SUP	SUPPORT		
BSMT	BASEMENT	ELEC	ELECTRIC (BLDG ELEVATION)	INV	INVERT	PL	PLATE, PLASTIC LAMINATE	SUP	SUPPORT		
BTU	BRITISH THERMAL UNIT	ELEV	ELEVATION (BLDG ELEVATION)	INV	INVERT	PL	PLASTER	SUSP	SUSPENDED	2:1	SLOPE
BTU/HR	BRITISH THERMAL UNIT/HOUR	EMER	EMERGENCY	ILV	IN LIEU OF	PLAS	PLASTER	SW	SWITCH	2 HORIZONTAL TO 1 VERTICAL	
BTWN	BETWEEN	ENT	ELECTRICAL METALLIC TUBING			PLMB	PLUMBING	SWBD	SWITCHBOARD		
		ENT	ENTERING			PLYMD	PANEL	SWGR	SWITCHGEAR		
		EP	EPOXY, EDGE OF PAVEMENT	JB	JUNCTION BOX	PREFAB	PREFABRICATED	SYS	SYSTEM	1 ON 2	SLOPE
		EPDM	ETHYLENE PROPYLENE DIENE MONOMER	JCT	JUNCTION	PREFIN	PREFINISHED			1 VERTICAL ON 2 HORIZONTAL	
		EQU	EQUIPMENT	JST	JOIST	PRELIM	PRELIMINARY				
		EVAP	EVAPORATIVE	JT	JOINT	PRIM	PRIMARY	T	TILE, TOP, TANGENT, THICKNESS		
CAB.	CENTERLINE	EW	EACH WAY	KCP	KEENE'S CEMENT PLASTER	PRV	PRESSURE RELIEF VALVE	TB	TEST BORING	1 PH	SINGLE PHASE
CAP.	CAPACITY	EW	EACH WAY	KIT	KITCHEN	PS	POLY SWITCH	TAB	TOP AND BOTTOM	3 WAY	THREE WAY
CC	CENTER TO CENTER, COOLING COIL	EXH	EXHAUST	KO	KNOCK OUT	PSF	POUNDS PER SQUARE FOOT	TEL	TELEPHONE	3/C	THREE CONDUCTOR
CD	CEILING DIFFUSER	EXIST	EXISTING	KV	KILOVOLT	PSI	POINT, POINT OF TANGENT,	TEMP	TEMPERATURE, TEMPORARY	3/P	THREE POLE
C&C	CURB & GUTTER	EXP	EXPANSION, EXPOSED	KVA	KILOVOLT-AMPERE	PT	PRESSURE TREATED	TERM.	TERMINAL	△	ABOUT, AT
CEM	CEMENT	EXT	EXTERIOR	KVA	KILOVOLT-AMPERE	PUF	POLYURETHANE FOAM	TH	TOTAL HEAD (PUMPS)	△	DEFLECTION ANGLE
CER	CERAMIC					PVC	POLY VINYL CHLORIDE	THRLD	THRESHOLD	%	AND
CFM	CUBIC FEET PER MINUTE					PVI	POINT OF VERTICAL INTERSECTION	TO	TELECOMMUNICATIONS OUTLET	&	PERCENT
CFM	CUBIC FEET PER HOUR					PVT	POINT OF VERTICAL TANGENT	TR	TEMPERATURE & PRESSURE	°	PHASE, ROUND
CHNL	CHANNEL	4 WAY	FOUR WAY	(L)	LEFT			TRD	THREAD, THREADED		DEGREE
CI	CAST IRON	F	FAHRENHEIT, FIRE, FAN	LAB	LABORATORY			TS	TOP OF STEEL, TOP OF SLAB, TUBULAR STEEL		
CI	CAST IRON PIPE	FC	FACE OF CURB	LAV	LAVATORY			TV	TELEVISION		
CR	CIRCULATING	FDN	FOUNDATION	LBS	POUNDS			TW	TOP OF WALL		
CKT	CIRCUIT	FDR	FEEDER	LL	LONG LEG			TX	THERMAL EXPANSION		
CL	CLEAR, CLOSET	FDE	FINISHED FLOOR ELEVATION	LLH	LONG LEG HORIZONTAL	R	RIGHT, RADIUS, RISER				
CLG	CEILING	FHC	FIRE HYDRANT	LLV	LONG LEG VERTICAL	R/W	RETURN AIR				
CMF	CORRUGATED METAL PIPE	FIG.	FIGURE	LOC	LOCATION	RA	RADIUS				
CMFA	CORRUGATED METAL PIPE ARCH	FIN.	FINISH	LT	LIGHT	RBR	RUBBER				
CMU	CONCRETE MASONRY UNITS	FIX	FIXTURE	LVR	LOUVER	RCP	REINFORCED CONCRETE PIPE				
CND.C	CONDENSATE	FJ	FELT JOINT	LTW	LIGHT WEIGHT	RD	ROOF DRAIN, ROAD	UG	UNDERGROUND		
CNDS	COUNTER	FLEX	FLOOR, FLASHING			REC	RECEPTACLE	UH	UNIT HEATER		
CORR	CORRIDOR	FLUOR	FLUORESCENT			RED	REDUCING	UON	UNLESS OTHERWISE NOTED		
CO	CLEANOUT/COMPANY	FPH	FROST PROOF HYDRANT			REF	REFLECTIVE	UPS	UNINTERRUPTIBLE POWER SUPPLY		
CLEANOUT	CLEANOUT W/ DECK PLUG	FRP	FIBERGLASS REINFORCED GYPSUM PANEL	MACH	MACHINE	REFL	REFLECTOR	UR	UNRATED		
COL	COLUMN	FRM	FIRE RETARDANT TREATED WOOD	MAS	MASONRY	REG	REGULATOR, REGISTER	UTS	UNSHIELDED TWISTED PAIR		
COMP	COMPRESSIBLE/COMPRESSION	FRGP	FIBERGLASS REINFORCED GYPSUM PANEL	MATL.	MATERIAL	REIN	REINFORCEMENT				
CONC	CONCRETE	FRTR	FIRE RETARDANT TREATED WOOD	MBH	MAXIMUM	REQ	REQUIRED				
CONC-S	CONCRETE, STEEL TROWELED & SEALED	FRTW	FIRE RETARDANT TREATED WOOD	MC	MAIN CROSS-CONNECT (TELECOMMUNICATIONS)	REV	RETURN ROOF FAN				
COND	CONDUCTOR	FRTW	FIRE RETARDANT TREATED WOOD			RF	RETURN ROOF FAN				
CONN	CONNECTION	FT	FOOT, FEET, FLOOR TILE	MD	MECHANICAL	RH	ROOF HATCH				
CONST	CONSTRUCTION	FTG	FURNACE	MECH	METAL						
CONT	CONTINUOUS	FUT	FUTURE								
CONTR	CONTRACTOR										
CONV	CONVERTER										
COORD	COORDINATE										
COP.	COEFFICIENT OF PERFORMANCE										
C2	NONREINFORCED CONCRETE PIPE										





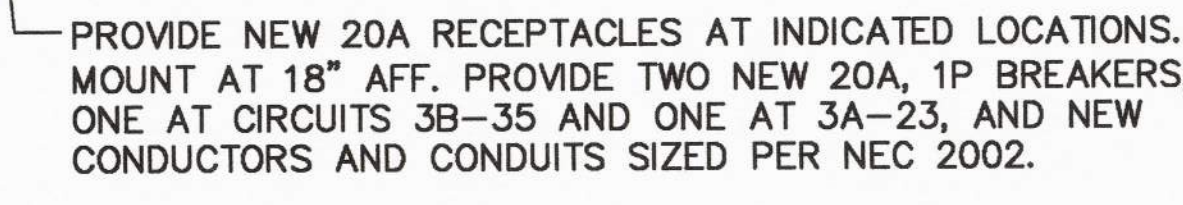
- MECHANICAL NOTES:

1. DRAWINGS ARE DIAGRAMMATIC, INTENDED TO CONVEY SCOPE OF WORK AND GENERAL ARRANGEMENT OF EQUIPMENT. CONTRACTOR SHALL VERIFY EXISTING SIZES, LOCATIONS, CONDITIONS AND CLEARANCES PRIOR TO FABRICATION OF ANY DUCTWORK OR PIPING, PURCHASING MATERIALS AND PROCEEDING WITH CONSTRUCTION.
2. 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.
3. 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.
4. 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.
5. SEAL PENETRATIONS THROUGH WALLS AND FLOORS AND MAINTAIN INTEGRITY OF FIRE AND ACOUSTIC RATINGS OF WALLS AND FLOORS.



- SPRINKLER SYSTEM NOTES:

1. 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 INACCORDANCE WITH NFPA 13, 24, 70, 72, AND 291.
2. 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.
3. 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.
4. FURNISH, INSTALL AND ADJUST AS NECESSARY ALL WATERFLOW AND VALVE SUPERVISORY SWITCHES AND SIGNAL WIRING TO EXIST FACP. PROVIDE COORDINATION AND INTERFACE OF ALARM INITIATING AND SUPERVISORY DEVICES WITH THE EXST FIRE ALARM SYSTEM.



E1