PROJECT DESCRIPTION:

SUFFIELD TOWN HALL

83 MOUNTAIN RD. SUFFIELD, CT

SCHEMATIC DESIGN

08-15-19

PROJECT TEAM:

NOT FOR CONSTRUCTION ISSUED FOR REVIEW ONLY

QA+M architecture
QuisenberryArcariMalik
195 Scott Swamp Road
Farmington, CT 06032
www.qamarch.com

TRUE NORTH:

PROJECT NORTH:

LOCATION MAP:

1949 SUFFIELD TOWN HALL

ABBREVIATIONS

AB	Anchor Bolt	GA	Gauge
AC	Air Conditioning	GALV	Galvanized
AC	Acoustic, Acoustical	GB	Gypsum Board
ACT	Acoustical Tile	GC	General Contractor
ADJ	Adjacent	HB	Hose Bibb
AFF	Above Finish Floor	HC	Handicapped
AFG	Above Finish Grade	HGT	Height
AHU	Air Handling Unit	HM	Hollow Metal
ALF	Aluminum Frame	HORIZ	Horizontal
ALT	Alternate	ID	Inside Diameter
ALUM	Aluminum	IN	Inch
ANCH	Anchor, Anchorage	INCL	Included
ANOD	Anodized	INFO	Information
APBO	As Provided By Owner	INSUL	Insulation
APPR	Approved	INT	Interior
ARCH	Architect, Architectural	JT	Joint
ASB	Asbestos	KP	Kick Plate
ASBO	As Selected By Owner	L	Angle
ASPH	Asphalt	LAB	Laboratory
ASST	Assistant	LAV	Lavatory
ASSY	Assembly	LH	Left Hand
ATC	Acoustic Tile Ceiling	LTG	Lighting
AUTO	Automatic	MACH	Machine
BD	Board	MAINT	Maintenance
BEJ	Brick Expansion Joint	MAS	Masonry
BEV	Bevel, Beveled	MAT	Material
BIT	Bituminous	MAX	Maximum
BLDG	Building	MB	Marker Board
BLK	Block	MECH	Mechanical
BLKG	Blocking	MEZZ	Mezzanine
BM	Beam	MFRG	Manufacturer
BO	Bottom Of	MIN	Minimum
BOT	Bottom	MISC	Miscellaneous
BRG	Bearing / Bridging	MO	Masonry Opening
BUR	Built Up Roofing	N	North
CAB	Cabinet	NIC	Not In Contract
CAP	Capacity	NTS	Not To Scale
CASE	Casement	OC	On Center
CB	Chalk Board	OD	Outside Diameter
CEM	Cement	OFF	Office
CJ	Control Joint	OH	Overhead
CL	Centerline	PASS	Passage
CLG	Ceiling	PCEJ	Precast Expansion Joint
CLGHT	Ceiling Height	PERP	Perpendicular
CLO	Closet	PL	Plate
COL	Column	PLAM	Plastic Laminate
CONC	Concrete	PLAS	Plaster
CONF	Conference	PLUMB	Plumbing
CONT	Continuous	PLYWD	Plywood
CONTR	Contractor	PR	Pair
CORR	Corridor	PREFAB	Prefabricated
CRS	Course, Courses	PTD	Painted
CT	Ceramic Tile	PTD	Paper Towel Dispenser
CTR	Center	PVC	Polyvinylchloride
CUH	Cabinet Unit Heater	QT	Quarry Tile
DBL	Double	QTY	Quantity
DEG	Degree	QUAL	Quality
DEMO	Demolition	R	Riser
DEPT	Department	RAD	Radius
DET	Detail	RD	Roof Drain
DF	Drinking Fountain	RECV	Receiving / Receiver
DH	Double Hung	REF	Reference
DIA	Diameter	REFR	Refrigerator
DIM	Dimension	REINF	Reinforce
DIST	Distance	REM	Remove
DN	Down	REQD	Required
DR	Door	REV	Revised, Revision
DS	Downspout	RH	Robe Hook / Right Hand
DWG	Drawing	RM	Room
EA	Each	RWC	Rain Water Conductor
EIFS	Exterior Insulation Finish System	SC	Scupper
EJ	Expansion Joint	SCHED	Schedule
EL	Elevation	SD	Soap Dispenser
ELEC	Electric, Electrical	SECT	Section
ELEV	Elevator	SF	Square Foot
EMERG	Emergency	SHT	Sheet
EQ	Equal	SIM	Similar
EQUIP	Equipment	SJ	Seismic Joint
ETR	Existing To Remain	SND	Sanitary Napkin Dispenser / Disposal
EUH	Electric Unit Heater	SNR	Sanitary Napkin Receptacle
EWC	Electric Water Cooler	SPEC	Specifications
EXIST	Existing	SQ	Square
EXP	Expansion	SS	Stainless Steel
EXT	Exterior	SSTL	Structural Steel
FD	Floor Drain	ST	Sound Transmission
FDN	Foundation	STC	Sound Transmission Coefficient
FE	Fire Extinguisher	STD	Standard
FF	Finished Floor	STL	Steel
FFE	Finished Floor Elevation	STOR	Storage
FIN	Finish, Finished	STRUCT	Structure, Structural
FIXT	Fixture	SUSP	Suspend, Suspension
FLASH	Flashing	T	Tread
FLR	Floor	TBD	Tack Board
FLRFIN	Floor Finish	TG	Tongue and Groove
FPRFG	Fireproofing	THRU	Through
FR	Fire Retardant	TME	To Match Existing
FRGP	Fiber Reinforced Gypsum Panel	TO	Top Of
FT	Feet, Foot	TPD	Toilet Paper Dispenser
FTG	Footing	TYP	Typical
FURN	Furnish, Furnishings, Furniture	UH	Unit Heater
FURR	Furred, Furring	UL	Underwriter's Laboratory
		UON	Unless Otherwise Noted
		UV	Unit Ventilator
		VCT	Vinyl Composition Tile
		VEST	Vestibule
		W/	With
		WBD	White Board
		WD	Wood
		WP	Waterproofing
		WWF	Welded Wire Fabric

GENERAL NOTES

1. GENERAL CONTRACTOR TO NOTIFY ARCHITECT OF ANY INCONSISTENCIES IN THE DRAWINGS, EXISTING CONDITIONS OR THE PROPOSED CONSTRUCTION IMMEDIATELY.

2. GENERAL CONTRACTOR TO TAKE AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE JOB AND SHALL BE HELD RESPONSIBLE FOR THE SAME.

3. ALL NOTES AND DIMENSIONS DESIGNATED AS "TYP." OR "TYPICAL" APPLY TO ALL SIMILAR CONDITIONS THROUGHOUT THE PROJECT.

4. THESE PLANS ARE NOT TO BE SCALED FOR CONSTRUCTION PURPOSES. DIMENSION LINES AND NOTES SUPERSEDE ALL SCALED REFERENCES.

5. ALL DIMENSIONS ARE TO FACE OF MASONRY, FACE OF STUD AND CENTERLINE OF STRUCTURAL STEEL COLUMNS UNLESS OTHERWISE NOTED.

6. ROOFING CONTRACTOR TO VERIFY QUANTITY AND LOCATION OF ROOF PENETRATIONS, AND TO FLASH ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

7. THE REQUIREMENTS FOR SEISMIC LOADS HAVE BEEN INCORPORATED INTO THE DESIGN OF THE STRUCTURAL, MECHANICAL, AND SUSPENDED CEILING SYSTEMS AS REQUIRED FOR THE NEW CONSTRUCTION.

8. SIGNAGE SHALL BE PLACED ON THE WALL ADJACENT TO THE LEVEL SIDE OF A ROOM DOOR AT A HEIGHT OF 5' A.F.F.

9. PROVIDE AN ALUMINUM DIVIDER STRIP AT ALL DOOR THRESHOLDS WHERE TWO DIFFERENT FINISHES MEET UNLESS OTHERWISE NOTED.

SITE NOTES

1. PERFORM ALL WORK IN THIS SECTION IN CONFORMANCE WITH THE FINAL SOILS COMPACTION, GEOLOGICAL REPORTS AND APPROVED SITE GRADING PLANS AS ACCEPTED BY OWNER AND BUILDING DEPARTMENT. IN THE ABSENCE OF THE NECESSARY SUBSURFACE SURVEY, THE CONTRACTOR SHALL HIRE A LICENSED SOILS ENGINEER TO INVESTIGATE THE SITE, AND SUBMIT A REPORT OF THIS WORK TO THE ARCHITECT. IF A DISCREPANCY FROM THE PRESUMED SOIL BEARING CAPACITY EXISTS, CONTRACTOR SHALL NOT PLACE FOUNDATIONS WITHIN WRITTEN INSTRUCTIONS FROM ARCHITECT/ENGINEER.

2. PRESUMPTIVE SOIL BEARING CAPACITY IS 4,000PSF ON UNDISTURBED SOIL. ALL CONCRETE FOOTINGS SHALL BEAR ON UNDISTURBED SOIL OR ENGINEERED FILL. BOTTOM OF FOOTINGS SHALL BE 4'-0" MIN. BELOW FINISH GRADE.

3. NO EXCAVATIONS SHALL BE MADE WHOSE DEPTH BELOW THE FOOTING IS GREATER THAN 1/2 THE HORIZONTAL DISTANCE FROM THE NEAREST EDGE OF A FOOTING.

4. ALL BACKFILL AT STRUCTURES, SLABS, STEPS AND PAVEMENTS SHALL BE CLEAR GRANULAR FILL, COMPACTED TO 95% MAXIMUM DRY DENSITY DETERMINED IN ACCORDANCE WITH ASTM D-1557.

5. BACKFILL AT LAWNS AND UNPAVED AREAS SHALL BE FREE OF CLAY, ROCK OR GRAVEL LARGER THAN 2" IN ANY DIRECTION, DEBRIS, VEGETABLE MATTER, WASTE AND FROZEN MATERIALS. COMPACT TO 90% MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D-1557.

6. ALL SLABS ON GRADE SHALL BEAR ON MECHANICALLY COMPACTED CRUSHED STONE CAPABLE OF SUPPORTING 2,000PSF.

7. GUTTERS AND DOWNSPOUTS SHALL DISCHARGE AT PERIMETER DRAIN IF PROVIDED OR AT GUTTER SPLASH BLOCKS UNLESS LOCAL CODES REQUIRE STORM WATER MANAGEMENT SYSTEMS. REFER TO APPROVED SITE PLAN FOR STORM WATER MANAGEMENT SYSTEM PIPING DETAILS.

CONCRETE MASONRY NOTES

1. ALL MASONRY SHALL CONFORM TO AND BE ERECTED IN ACCORDANCE WITH ACI 530 BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES AND ACI 530.1 SPECIFICATION FOR MASONRY STRUCTURES.

2. ALL MASONRY WALLS ARE TO BE CONSTRUCTED OF CONCRETE MASONRY WITH COMPRESSIVE STRENGTH f'm = 1500 P.S.I. THE CONTRACTOR IS RESPONSIBLE FOR ASSURING MASONRY STRENGTH AS SPECIFIED.

3. TYPE "M" OR "S" MORTAR SHALL BE USED IN ALL MASONRY.

4. CONTINUOUS HORIZONTAL JOINT REINFORCING SHALL BE INSTALLED IN ALTERNATE COURSES OF ALL MASONRY. EXTERIOR MASONRY VENEER SHALL BE TIED TO INTERIOR MASONRY BLOCKWORK IN ACCORDANCE WITH DRAWING NOTATIONS.

5. REINFORCING STEEL FOR MASONRY SHALL BE GRADE 60. ALL LAP SPLICES SHALL BE A MINIMUM OF 48 BAR DIAMETERS (I.E. #4 BAR = 24").

6. ALL MASONRY UNIT CORES CONTAINING REINFORCING BARS SHALL BE FILLED WITH 2000 P.S.I. GROUT. GROUT SHALL BE INSTALLED IN USING LOW LIFT GROUT METHOD (5'-0" MAXIMUM LIFTS).

CONCRETE NOTES

1. ALL CONCRETE WORK SHALL BE IN COMPLIANCE WITH THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318) AND "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDING" (ACI 301).

2. CONCRETE SHALL HAVE THE FOLLOWING MINIMUM COMPRESSIVE STRENGTH AT THE AGE OF 28 DAYS: 3000PSI, EXCEPT 4000PSI FOR EXTERIOR WORK.

3. CONCRETE SHALL HAVE A SLUMP NOT EXCEEDING 5", EXCEPT FOR 4" SLABS.

4. CONCRETE STRUCTURES AND SLABS EXPOSED TO FREEZING AND THAWING, DEICER CHEMICALS, OR SUBJECT TO HYDRAULIC PRESSURE SHALL BE AIR-ENTRAINED TO HAVE A TOTAL AIR CONTENT AT THE POINT OF PLACEMENT WITHIN A TOLERANCE OF PLUS OR MINUS 1% AS FOLLOWS:
   - 6% FOR MAXIMUM 3/4" AGGREGATE
   - 5% FOR MAXIMUM 1" AGGREGATE
   - 4% FOR MAXIMUM 1 1/2" AGGREGATE

   ALL OTHER CONCRETE SHALL BE AIR-ENTRAINED TO A TOTAL AIR CONTENT OF 2% TO 4%

5. CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION FOR THE CURING OF CONCRETE AS DIRECTED BY ACI 301. USE OF CALCIUM CHLORIDE SHALL NOT BE PERMITTED.

6. REINFORCING BARS SHALL BE DEFORMED BILLET STEEL BARS AND CONFORM TO ASTM A-615-GRADE 60. WELDED WIRE FABRIC SHALL CONFORM TO ASTM-A-185.

7. REINFORCING BARS MARKED "CONT." SHALL BE LAPPED 32 BAR DIAMETERS AT SPLICES AND CORNERS, HOOKED AT DISCONTINUOUS ENDS. WELDED WIRE FABRIC SHALL BE LAPPED 8" AT END SPLICES.

8. CONCRETE COVER FOR REINFORCING SHALL BE AS FOLLOWS:
   - A. CONCRETE PLACED ON EARTH 3"
   - B. FORMED CONCRETE EXP. TO GROUND OR WEATHER: #5 BARS & SMALLER 1 1/2"; #6 BARS & LARGER 2"
   - C. FORMED CONCRETE NOT EXPOSED TO WEATHER: 3/4"

9. CONTRACTOR SHALL INSTALL ALL ANCHORS, ANCHOR BOLTS, LEVELING PLATES, AND ALL INSERTS TO BE SET IN CONCRETE AS REQUIRED FOR THE WORK OF ALL TRADES.

10. ALUMINUM OBJECTS SHALL NOT BE EMBEDDED OR IN CONTACT WITH CONCRETE.

11. REINFORCED CONCRETE FLOOR SLABS SHALL BE PLACED ON A MINIMUM OF 6" OF CRUSHED 3/8" STONE ON STRUCTURAL FILL PLACED IN 8" LAYERS AND COMPACTED TO 95% OF MODIFIED OPTIMUM DENSITY ON FIRM, INORGANIC, VIRGIN SOIL. NOT LESS THAN ONE LAYER OF STRUCTURAL FILL SHALL BE USED.

FOUNDATION NOTES

1. STRUCTURAL FILL SHALL BE PLACED IN 8" LIFTS COMPACTED TO 95% OF MODIFIED OPTIMUM DENSITY.

2. NO BACKFILLING OF FOUNDATION WALLS SHALL BE UNDERTAKEN UNTIL SUITABLE WALL BRACING (TEMPORARY OR PERMANENT) HAS BEEN INSTALLED.

3. DO NOT POUR FOOTINGS ON FROZEN SOIL. REMOVE ALL FROST PRIOR TO POURING CONCRETE.

4. ALL SOIL SURROUNDING AND UNDER FOOTINGS SHALL BE PROTECTED FROM FREEZING AND FROST ACTION DURING THE COURSE OF CONSTRUCTION. SOIL WHICH HAS BEEN ALLOWED TO FREEZE SHALL BE REMOVED.

5. FOUNDATIONS HAVE BEEN DESIGNED TO REST ON INORGANIC, UNDISTURBED SOIL, WHICH MAY BE ORIGINAL SOIL OR CONTROLLED, COMPACTED STRUCTURAL FILL. THE FOLLOWING BEARING VALUES ARE ASSUMED: 4000PSF.

6. MATERIAL USED FOR STRUCTURAL FILL SHALL CONFORM TO THE FOLLOWING GRADATION:

SIEVE SIZE:	PERCENT PASSING	SIEVE SIZE:	PERCENT PASSING:
3 1/2"	100	#40	5-45
3/4"	50-100	#100	0-15
1/4"	30-75	#200	0-5

7. BOTTOMS OF EXTERIOR FOOTINGS SHALL BE AT LEAST 4'-0" BELOW FINISHED GRADE.

8. PROVIDE EXTERIOR AND/OR INTERIOR FOOTING DRAINS AS REQUIRED BY SITE CONDITIONS.

9. INSTALL FOUNDATION WATERPROOFING TO BELOW GRADE SURFACES

10. INSTALL FOUNDATION INSULATION AS REQUIRED BY LOCAL CODES.

DEMOLITION NOTES

1. REMOVE ALL MATERIALS, ASSEMBLIES AND CONSTRUCTED ELEMENTS AS REQUIRED TO ACCOMMODATE THE NEW CONSTRUCTION.

2. PROTECT ALL EXISTING FINISHES AND SPACES NOT AFFECTED BY THE CONSTRUCTION OR DIRECTLY ADJACENT TO THE CONSTRUCTION. ALL EXISTING FINISHES AFFECTED BY THE DEMOLITION WORK ARE TO BE RETURNED TO A STATE OF FINISH EQUIVALENT TO THAT PRIOR TO COMMENCEMENT OF THE WORK.

3. PROVIDE DUST-PROOF PARTITIONS SEPARATING THE DEMOLITION AND WORK AREAS FROM AREAS UNAFFECTED BY THE CONSTRUCTION.

4. CLEAN ALL AREAS OF THE PROJECT PERIODICALLY TO MAINTAIN A SAFE AND CLEAR WORKING ENVIRONMENT. PROVIDE FINAL CLEANING OF THE ENTIRE PROJECT SITE AT THE COMPLETION OF THE PROJECT WORK.

5. PROVIDE TEMPORARY SHORING OR BRACING AS REQUIRED TO PROPERLY COMPLETE THE WORK. COORDINATE SHORING WITH ALL SUB-CONTRACTORS, AND NOTIFY THE ARCHITECT OF ANY PROBLEMS OR CONCERNS IMMEDIATELY.

6. ENSURE THAT EXISTING MECHANICAL AND ELECTRICAL SYSTEMS CONTINUE TO FUNCTION AS PRACTICAL THROUGHOUT THE CONSTRUCTION PROCESS. COORDINATE WITH THE OWNER DIRECTLY ANY TIME PERIODS DURING WHICH ESSENTIAL SERVICES MAY BE NON-FUNCTIONING OR DISCONNECTED.

7. REMOVE EXISTING ROOF AND SIDING AS REQUIRED TO ACCOMMODATE THE NEW CONSTRUCTION. ERECT TEMPORARY BARRIERS OR PROTECTIONS AS NECESSARY TO PROTECT THE EXISTING BUILDING FROM THE ELEMENTS DURING THE CONSTRUCTION PROCESS.

STRUCTURAL WOOD NOTES

1. ALL STRUCTURAL WOOD SHALL BE IN ACCORDANCE WITH THE "NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION" AND THE "MANUAL OF HOUSE FRAMING" AS PUBLISHED BY THE NATIONAL FOREST PRODUCTS ASSOCIATION (NFPA), INCLUDING PROVISIONS FOR NAILING, FIRE STOPPING, ANCHORAGE, FRAMING AND BRACING.

2. UNLESS OTHERWISE SHOWN ON THE DRAWINGS, STRUCTURAL LUMBER SHALL BE AS FOLLOWS:
   a. INTERIOR EXPOSURE: ALL STRUCTURAL WOOD PROTECTED FROM MOISTURE AND WEATHER SHALL BE HEM FIR #2 OR BETTER, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
   b. EXTERIOR EXPOSURE: ALL STRUCTURAL WOOD EXPOSED TO MOISTURE, THE WEATHER, WITHIN 8 INCHES OF SOIL, OR LESS THAN 18 INCHES FROM THE FLOOR OF A CRAWLSPACE SHALL BE PRESSURE-TREATED SOUTHERN YELLOW PINE #2 OR BETTER, WITH MINIMUM RETENTION MEETING OR EXCEEDING THE REQUIREMENTS OF THE BUILDING CODE.
   c. PLYWOOD: PLYWOOD SHALL BE IN ACCORDANCE WITH THE AMERICAN PLYWOOD ASSOCIATION (APA) SPECIFICATIONS (PS-1). PLYWOOD FLOOR DECKING SHALL BE CONTINUOUS OVER TWO OR MORE SPANS WITH GRAIN OF FACE PLIES ACROSS SUPPORTS.
   - i. PLYWOOD ROOF SHEATHING: C-D-EXT-APA, 3/4" THICK
   - ii. PLYWOOD WALL SHEATHING: C-D-EXT-APA, 1/2" THICK
   - iii. PLYWOOD SUBFLOOR: C-D-EXT-APA, 3/4" THICK

3. PLATES AND SILLS SHALL BE BOLTED TO FOUNDATION WALLS USING 1/2 INCH BY 12 INCHES HOOKED ANCHOR BOLTS SPACED AT 48 INCHES ON CENTER MAXIMUM, UNLESS OTHERWISE SHOWN ON THE DRAWINGS. PLATES AND SILLS SHALL BE SET LEVEL. PLATES AND SILLS SHALL BE PRESSURE TREATED.

4. NAILING SCHEDULE SHALL BE IN ACCORDANCE WITH THE LOCAL BUILDING CODES "RECOMMENDED FASTENING SCHEDULE". NAIL PLYWOOD SHEATHING AND SUBFLOORING 6"O.C AT EDGES AND 12"O.C. ALONG INTERMEDIATE SUPPORTS, LEAVING SPACES BETWEEN PANELS AS RECOMMENDED BY THE APA. UTILIZE RING-SHANK OR SCREW TYPE NAILS FOR PLYWOOD SUBFLOORING AND APPLY APPROPRIATE CONSTRUCTION ADHESIVE TO ADEQUATELY SECURE PLYWOOD TO FLOOR JOISTS.

5. JOIST HANGERS, COLUMN CAPS OR BASES, AND OTHER METAL FABRICATIONS, WHERE REQUIRED OR INDICATED, SHALL BE OF APPROPRIATE SIZE AND TYPE FOR MEMBERS AND SUPPORT CONDITIONS, AS MANUFACTURED BY SIMPSON STRONG-TIE OR EQUAL. WHERE FLANGE-SUPPORT JOIST HANGERS ARE USED IN CONJUNCTION WITH STEEL BEAMS, CARE SHALL BE TAKEN TO INSTALL THE HANGERS CLEAR OF CONTACT WITH THE STEEL BEAM BY INSTALLING 2X TOP PLATE IN ACCORDANCE WITH ABOVE CONDITIONS. IN NO CASE SHALL 2X TOP PLATE BE NARROWER THAN THE WIDTH OF THE FLANGE TO WHICH IT IS ATTACHED NOR MORE THAN 1/2" LARGER. CONTRACTOR SHOULD BE AWARE THAT JOIST HANGERS AND OTHER METAL FABRICATIONS MAY REQUIRE SPECIAL ORDERING WELL PRIOR TO THE ACTUAL TIME AT WHICH THE HANGERS WILL BE NEEDED. THOUGH INDICATED IN CATALOGS AS "STOCK", SOME "STOCK" HANGERS ARE ACTUALLY SPECIAL ORDER ITEMS.

6. NOTCHING SHALL NOT EXCEED 1/6TH OF THE DEPTH OF JOIST OR RAFTER AND SHALL OCCUR ONLY IN THE OUTER QUARTER OF THE SPAN. NOTCHES SHALL NOT BE PERMITTED IN THE MIDDLE HALF OF THE SPAN NOR SHALL THEY EXCEED 1/6TH THE DEPTH. NOTCH LENGTH SHALL NOT EXCEED 1/3RD OF THE JOIST DEPTH.

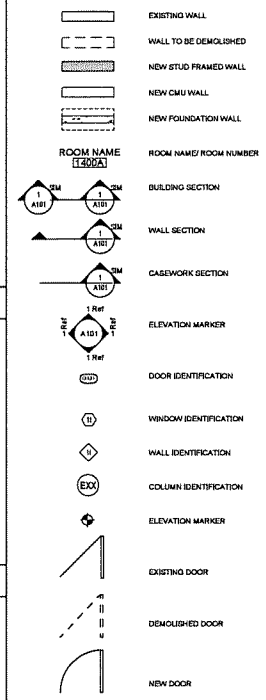
7. HOLES IN JOISTS OR RAFTERS SHALL OCCUR IN THE MIDDLE 1/3RD OF THE SPAN AND 1/3RD OF DEPTH. THE HOLE DIAMETER SHALL NOT EXCEED 1/3RD OF THE JOIST DEPTH. HOLES IN ENGINEERED LUMBER PRODUCTS SHALL BE IN ACCORDANCE WITH MANUFACTURER'S GUIDELINES.

8. PROVIDE SOLID BLOCKING AS REQUIRED TO SUPPORT FIXTURES, RAILINGS, SHELVES, CLEATS, TRIM, ETC., AND AS REQUIRED TO SUPPORT EDGES OF PLYWOOD AND WALLBOARD, IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS AND/OR GOOD CONSTRUCTION PRACTICE.

9. ENGINEERED LUMBER INDICATED ON THE DRAWINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. JOISTS LABELED TJI ARE COMPOSITE I-JOISTS AS MANUFACTURED BY TRUS-JOIST. MEMBERS LABELED LVL ARE LAMINATED VENEER LUMBER (I.E MICROLLAM BY TRUS-JOIST). THE SUBSTITUTION OF OTHER PRODUCTS ARE ONLY PERMITTED WITH BACKUP ENGINEERING PLANS AND CALCULATIONS.

10. EXISTING CONDITIONS. DETAILS OF CONNECTIONS OF NEW TO EXISTING ARE FOR GENERAL INTENT ONLY. CONTRACTOR SHALL EXPOSE EXISTING CONDITIONS TO VIEW FOR ARCHITECT'S REVIEW PRIOR TO ORDERING ANY MATERIALS FOR WORK WITH THE NEW CONNECTIONS. DETAILS SHOWN ARE BASED ON ASSUMPTIONS AND WILL BE SUBJECT TO CHANGE FOR THE CONDITIONS AS THEY ACTUALLY EXIST IN THE FIELD. ARCHITECT SHALL NOT BE RESPONSIBLE FOR MATERIALS ORDERED PRIOR TO ARCHITECT'S REVIEW OF THE EXISTING CONDITIONS AFTER EXPOSURE BY THE CONTRACTOR.

ARCHITECTURAL SYMBOLS



SHEET LIST

01 - General	
C.3	COVER SHEET
G1.0	GENERAL INFORMATION
G1.1	GENERAL INFORMATION
R1.1	CODE PLANS
06 - Demolition	
D1.1	DEMOLITION BASEMENT FLOOR PLAN
D1.2	DEMOLITION GROUND & UPPER FLOOR PLAN
08 - Architectural	
A1.0	BASEMENT FLOOR PLAN
A1.1	GROUND & UPPER FLOOR PLAN
A2.0	REFLECTED CEILING PLANS
A3.0	EXTERIOR ELEVATIONS
A3.1	EXTERIOR ELEVATIONS 2
A4.0	BUILDING SECTIONS 1
A4.1	BUILDING SECTIONS 2

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SUFFIELD TOWN HALL

SUFFIELD, CT
Project#: 1949

Revisions

Issue Date:

SCHEMATIC DESIGN
08-16-18

GENERAL INFORMATION

G1.0

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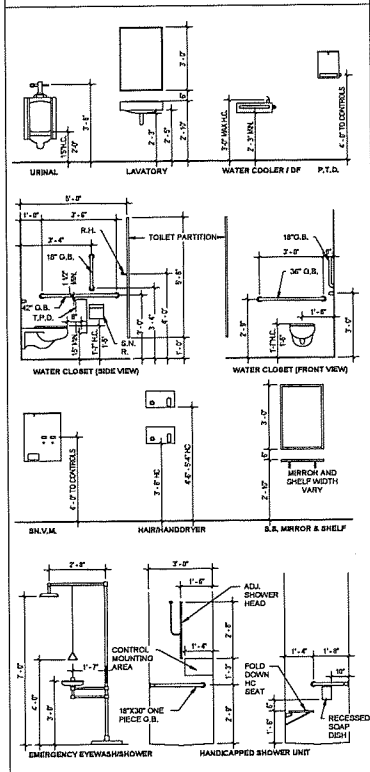
LINTEL SCHEDULE FOR MASONRY

M.O. \ DETAIL	3 5/8"	5 5/8"	7 5/8"	9 5/8"	1'-0"	1'-2"
UP TO 4'-8"	L 3 1/2 x 3 1/2 x 5/16	WT 4 x 9	2L's - 3 1/2 x 3 1/2 x 5/16	L 4 x 4 x 5/16 + L 5 x 5 x 5/16	Combine Previous Details	Combine Previous Details
4'-8" TO 5'-8"	L 4 x 3 1/2 x 5/16	WT 7 x 11	2L's - 4 x 3 1/2 x 5/16	L 4 x 4 x 5/16 + L 5 x 5 x 5/16	Combine Previous Details	Combine Previous Details
5'-8" TO 6'-8"	L 5 x 3 1/2 x 5/16	WT 7 x 11	2L's - 5 x 3 1/2 x 5/16	L 6 x 4 x 5/16 + L 5 x 5 x 5/16	Combine Previous Details	Combine Previous Details
6'-8" TO 7'-8"	L 6 x 3 1/2 x 5/16	WT 7 x 13	2L's - 6 x 3 1/2 x 5/16	L 6 x 4 x 5/16 + L 5 x 5 x 5/16	Combine Previous Details	Combine Previous Details
7'-8" TO 10'-4"	—	WT 8 x 15.5	W8x10 + PL 7 1/2 x 5/16	W8x13 + PL 9 1/2 x 5/16		—
10'-4" TO 12'-4"	—	—	W8x15 + PL 7 1/2 x 5/16	W8x18 + PL 9 1/2 x 5/16		—

1. PROVIDE LINTELS, SHOWN OR NOT SHOWN ON DRAWINGS, OVER ALL OPENINGS IN MASONRY WALLS AS REQUIRED BY THE DESIGN
2. ALL LINTELS ARE TO HAVE A MINIMUM BEARING LENGTH OF 8" AT EACH END
3. COMBINE VARIOUS WYTHES OF MASONRY AS REQUIRED TO SUITE EACH CONDITION
4. ALL THE WALL AND LINTEL CONDITIONS SHOWN IN THIS SCHEDULE MAY NOT APPLY TO THIS PROJECT
5. BOTTOM OR CLOSURE PLATES ONLY EXTEND FOR THE LENGTH OF THE M.O.
   WELD PLATES TO STRUCTURAL MEMBER
6. ALL LINTELS IN EXTERIOR WALLS ARE TO BE HOT-DIP GALVANIZED AFTER FABRICATION

ACCESSIBLE FIXTURE MOUNTING HEIGHT



WALL NOTES

1. FIRECODE GYPSUM BOARD IN A ONE OR TWO HOUR RATED PARTITION MUST BEAR THE U.L. CLASSIFICATION.
2. ALL FIRE AND SMOKE RESISTANT SEPARATIONS ARE TO EXTEND OR BE EXTENDED TO THE UNDERSIDE OF FLOOR OR ROOF DECK ABOVE, TYPICAL.
3. FOR SMOKE RESISTANT SEPARATIONS, PROVIDE FIRE SAFING AND SEALANT AT FLOOR, ROOF DECK AND ALL PENETRATIONS TO PREVENT THE PASSAGE OF SMOKE.
4. FOR ALL FIRE RATED PARTITIONS, PROVIDE FIRE SAFING AND SEALANT AT FLOOR, ROOF DECK AND ALL PENETRATIONS TO PREVENT THE PASSAGE OF SMOKE. THE FIRE SAFING AND SEALANT SYSTEM MUST MAINTAIN THE RATING OF THE SEPARATION.
5. AT ALL NON-RATED PARTITIONS, FILL ALL VOIDS INCLUDING METAL DECK FLUTES WHERE PARTITIONS MEET THE STRUCTURE ABOVE WITH BATT INSULATION.
6. AT ALL NON-RATED PARTITIONS, FILL ALL VOIDS BETWEEN PIPES, ELECTRICAL CONDUITS, DUCTWORK, ETC. WHERE THEY PENETRATE WALLS, WITH BATT INSULATION.
7. PROVIDE SMOKE DAMPERS AT ALL MECHANICAL PENETRATIONS THROUGH ONE HOUR RATED SMOKE BARRIERS.
8. PROVIDE FIRE DAMPERS AT ALL MECHANICAL PENETRATIONS THROUGH TWO HOUR FIRE RATED PARTITIONS.
9. EXTEND ALL METAL STUD PARTITIONS TO THE UNDERSIDE OF DECK/STRUCTURE, UNLESS OTHERWISE NOTED.
10. AT ALL NON-RATED PARTITIONS AND PARTITIONS WITH NO S.T.C. REQUIREMENTS, EXTEND SHEATHING TO THE FINISHED CEILING CONSTRUCTION, TYPICAL.
11. SEE WALL SECTIONS FOR EXTERIOR WALL CONSTRUCTION.
12. METAL STUD CONTRACTOR TO PROVIDE AND COORDINATE PLACEMENT OF METAL STUD SLIP TRAC KS AT ALL STUD WALLS BUILT ON TOP OR UNDER STRUCTURAL STEEL BRACING FRAMES, TYPICAL. SIMILAR CONDITION APPLIES WHERE METAL STUDS ATTACH TO THE UNDERSIDE OF ROOF DECK AT THE MIDDLE 10RD OF A SPAN GREATER THAN 15'.

THERMAL & MOISTURE NOTES

1. THE FOLLOWING SPECIFICATION SHALL GOVERN WITH MODIFICATIONS AS SPECIFIED HERIN: AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR CONDITIONING ENGINEERS (ASHRAE) HANDBOOK OF FUNDAMENTALS.
2. INSTALL FLASHING AND SHEET METAL IN COMPLIANCE WITH "ARCHITECTURAL SHEET METAL MANUAL" BY SMACNA.
3. PROVIDE AND INSTALL FLASHING AT ALL ROOF AND WALL CONDITIONS, PROJECTIONS OF WOOD BEAMS THROUGH EXTERIOR WALLS, EXTERIOR OPENINGS AND ELSEWHERE AS REQUIRED TO PROVIDE WATERTIGHT/WEATHERPROOF PERFORMANCE.
4. SLOPES OF 4" IN 12" OR GREATER: ASPHALT SHINGLE ROOFS SHALL HAVE AN UNDERLAYMENT OF NOT LESS THAN ONE PLY OF #15 FELT, APPLIED AS REQUIRED SECTION R-802 AND TABLE NUM. R-803.4.
5. THE NET FREE VENTILATION AREA SHALL NOT BE LESS THAN 1 TO 150 OF THE AREA OF THE SPACE VENTILATED EXCEPT THAT THE AREA MAY BE 1 TO 300, PROVIDED AT LEAST 50 PERCENT OF THE REQUIRED VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE SPACE TO BE VENTILATED AT LEAST 3 FEET ABOVE EAVE OR CORNICE VENTS WITH THE BALANCE OF THE REQUIRED VENTILATION PROVIDED BY EAVE OR CORNICE VENTS. THE NET FREE CROSS-VENTILATION AREA MAY NOT BE LESS THAN 1 TO 300 OF THE AREA OF THE SPACE VENTILATED WHEN THE VAPOR BARRIER HAVING A TRANSMISSION RATE NOT EXCEEDING 1 PERM IS INSTALLED ON THE WARM SIDE OF THE CEILING.
6. PROVIDE AND INSTALL BUILDING THERMAL INSULATION IN ACCORDANCE WITH THE FOLLOWING:
   A. EXTERIOR WALLS: R-19 MINIMUM
   B. CATHEDRAL CEILINGS: R-30 MINIMUM
   C. FLAT CEILINGS: R-38 MINIMUM
   D. CEILINGS OVER UNCONDITIONED SPACE: R-19 MINIMUM
   E. FLOORS OVER OUTSIDE SPACE: R-30 MINIMUM
   F. WALL ADJ. TO UNFINISHED SPACE: R-11 MINIMUM
7. PROVIDE AND INSTALL BATT INSULATION AT WINDOW SHIM SPACES.
8. FIT INSULATION TIGHT WITHIN SPACES AND TIGHT TO AND BEHIND MECHANICAL AND ELECTRICAL SERVICES WITHIN THE PLANE OF INSULATION. LEAVE NO GAPS OF SPACES BEING SURE NOT TO COMPRESS GLASS INSULATION.
9. FIT INSULATION TIGHT WITHIN SPACES AND TIGHT TO AND BEHIND MECHANICAL AND ELECTRICAL SERVICES WITHIN THE PLANE OF INSULATION. LEAVE NO GAPS OF SPACES BEING SURE NOT TO COMPRESS GLASS INSULATION.
10. INSTALL VENTING IN SLOPED CEILING AREAS TO PERMIT AIRFLOW ALONG THE COOL SIDE OF THE INSULATION FROM THE EAVE TO RIDGE.
11. INSTALL EITHER INTERIOR AND/OR EXTERIOR FOUNDATION INSULATION AS REQUIRED BY LOCAL BUILDING CODES
12. PROVIDE AND INSTALL JOINT SEALERS TO COMPLY WITH MANUFACTURER'S PRINTED INSTRUCTIONS APPLICABLE TO PRODUCTS AND APPLICATIONS INDICATED AND TO THE FOLLOWING SPECIFICATIONS:
    ELASTOMERIC SEALANT: ASTM C-920
    SOLVENT-RELEASE-CURING SEALANT: ASTM C-804
    LATEX SEALANT: ASTM C-790
    ACOUSTICAL SEALANT: ASTM C-919
13. PROVIDE AND INSTALL GUTTERS AND DOWNSPOUTS AS PER SMACNA ARCHITECTURAL SHEET METAL MANUAL.

DOOR & WINDOW NOTES

1. REFERENCE STANDARDS FOR METAL DOORS, WOOD DOORS, AND WINDOWS SHALL BE AS FOLLOWS:
   A. UNDERWRITER'S LABORATORIES, INC.: BUILDING MATERIALS DIRECTORY.
   B. NATIONAL FIRE PROTECTION ASSOCIATION: PAMPHLET NO. 80 STANDARD FOR FIRE DOORS AND WINDOWS.
   C. NATIONAL WOODWORK MANUFACTURER'S ASSOCIATION: I.S., 1078: WOOD FLUSH DOORS.
   D. AIR LEAKAGE: ASTM E283
   E. WATER RESISTANCE: ASTM E331
2. GLAZING IN ALL LOCATIONS WHICH MAY BE SUBJECT TO HUMAN IMPACT, AS LISTED IN THE I.B.C. SECTION 2406.3, SUCH AS FRAMELESS GLASS DOORS, GLASS ENTRANCES AND EXIT DOORS, FIXED GLASS PANELS, SLIDING GLASS DOORS, SHOWER DOORS, TUB ENCLOSURES, AND STORM DOORS SHALL MEET THE DOOR REQUIREMENTS SET FORTH IN THE BUILDING CODE AND THE SAFETY STANDARD FOR GLAZING MATERIALS (16 CFR 1202). ALL GLAZING WHICH IS LOCATED 18" ABOVE THE FINISH FLOOR AND 24" ADJACENT TO A DOOR JAMB SHALL BE TEMPERED.
3. ALL MANUFACTURED WINDOWS AND SLIDING GLASS DOORS SHALL MEET THE AIR INFILTRATION STANDARDS OF THE 1972 AMERICAN NATIONAL STANDARDS INSTITUTE ASTM E283-73 WITH A PRESSURE DIFFERENTIAL OF 1.57 POUNDS PER SQUARE FOOT AND SHALL BE CERTIFIED AND LABELED.
4. EXTERIOR ENTRANCE DOORS SHALL BE 1 3/4" THICK INSULATED METAL DOORS OR APPROVED EQUAL AND SHALL MEET THE FOLLOWING REQUIREMENTS:
   AIR INFILTRATION: ASTM E283
   WATER RESISTANCE: ASTM E331
   ACOUSTICAL PERFORMANCE: ASTM E413-70T-STC 28
   THERMAL RESISTANCE: R-15.49 (CALCULATED)
   DOORS SHALL BE PROVIDED WITH FACTORY BACKED-ON PRIME PAINT FINISH.
   SIDELIGHTS SHALL BE TEMPERED GLAZING AND SIZED AS INDICATED ON DRAWING. MANUFACTURER AS SELECTED BY OWNER.
5. NATURAL LIGHT AND VENTILATION MINIMUM REQUIREMENTS:
   BASEMENT LIGHT/VENT AREA = 2% / 1% FLOOR AREA
   LIGHT AREA PER ROOM = 8% FLOOR AREA
   VENTILATION AREA PER ROOM = 4% FLOOR AREA
6. WINDOWS AS 2ND EGRESS (SLEEPING AREAS) SHALL BE MINIMUM 5.7 SQ. FT. OPENABLE AREA WITH 24" LEAST DIMENSION. MAXIMUM SILL HEIGHT SHALL BE 44" A.F.F.
7. HANDICAPPED ACCESSIBLE DOOR HARDWARE SHALL COMPLY WITH ANSI A117.1 2003 AND UFAS / SECTION 504 REGULATIONS.
8. ALL DOOR LEVERS ON DOORS LEADING TO HAZARDOUS SPACES SHALL BE KNURLED
9. ALL DOORS EXITING 100 OR MORE PERSONS SHALL HAVE PANIC EXIT DEVICES
10. ALL RATED DOORS AND DOORS FRONTING CORRIDORS SHALL HAVE POSITIVE LATCHING LOCKSETS OR LATCHSETS AND CLOSERS.

MECHANICAL NOTES

1. MECHANICAL CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK. NOTIFY THE ARCHITECT OF ANY CONDITIONS WHICH MAY ADVERSELY AFFECT THE PROPER INSTALLATION OF THE NEW SYSTEMS.
2. MECHANICAL CONTRACTOR SHALL DESIGN, PURCHASE AND INSTALL ALL NEW COMPONENTS AS REQUIRED TO PROPERLY CONDITION THE SPACE(S) AFFECTED BY THIS CONSTRUCTION PROJECT. IF THE MODIFICATION OF EXISTING SYSTEMS IS NECESSARY, SUCH MODIFICATIONS SHALL NOT ADVERSELY AFFECT THE OPERATION OF THESE SYSTEMS OR COMPONENTS.
3. COORDINATE MECHANICAL WORK WITH THE WORK OF OTHER TRADES. DO NOT ALTER THE WORK OF PREVIOUS TRADES WITHOUT PRIOR APPROVAL.
4. PERFORM ALL NEW MECHANICAL WORK IN ACCORDANCE WITH LOCAL CODES AND ACCEPTED STANDARDS OF PRACTICE.

ELECTRICAL NOTES

1. ELECTRICAL CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK.
2. ELECTRICAL CONTRACTOR SHALL DESIGN, PURCHASE AND INSTALL ALL NEW COMPONENTS AS REQUIRED TO PROPERLY SERVICE THE SPACE(S) AFFECTED BY THIS CONSTRUCTION PROJECT. IF THE MODIFICATION OF EXISTING ELECTRICAL SYSTEMS IS NECESSARY, SUCH MODIFICATIONS SHALL NOT ADVERSELY AFFECT THE OPERATION OF THESE SYSTEMS.
3. COORDINATE ELECTRICAL WORK WITH THE WORK OF OTHER TRADES. DO NOT ALTER THE WORK OF PREVIOUS TRADES WITHOUT PRIOR APPROVAL.
4. PERFORM ALL NEW ELECTRICAL WORK IN ACCORDANCE WITH LOCAL CODES AND ACCEPTED STANDARDS OF PRACTICE.
5. COORDINATE THE FINAL LOCATION OF ALL ELECTRICAL DEVICES AND THEIR INTENDED OPERATION WITH THE OWNER.

ELECTRICAL MOUNTING HEIGHTS

1. ALL DIMENSIONS ARE TO THE CENTER OF THE DEVICE UNLESS OTHERWISE NOTED. SEE ELECTRICAL DRAWINGS FOR TYPES AND LOCATIONS.
2. RECEPTACLES: 18" A.F.F. (AT LOCATIONS ABOVE CASEWORK, MOUNT BOTTOM OF RECEPTACLE AT 2" ABOVE BACKSPLASH, AT LOCATIONS BELOW CASEWORK, MOUNT AT 24" A.F.F.
3. WIREMOLD: 24" A.F.F. (AT LOCATIONS ABOVE CASEWORK, MOUNT BOTTOM OF WIREMOLD AT 2" ABOVE BACKSPLASH)
4. EXTERIOR RECEPTACLES:A 24" A.F.G. (20" A.F.F.)
5. SWITCHES: 48" A.F.F.
6. BOILER EMERGENCY SWITCHES: 60" A.F.F.
7. DATA / PHONE OUTLETS: 18" A.F.F.
8. TV OUTLETS: 18" A.F.F. OR 18" BELOW FINISHED CEILING
9. WALL PHONE: 48" A.F.F. TO CENTER OF EARPIECE
10. SECURITY KEYPAD: 48" A.F.F.
11. MICROPHONE WALL JACK: 18" A.F.F.
12. FIRE ALARM PULL STATION: 48" A.F.F.
13. FIRE ALARM VISUAL / AUDIO INDICATING UNITS: 6'-8" TO BOTTOM OF UNIT
14. AREA OF REFUGE CALL STATION: 48" A.F.F.
15. EMERGENCY SHUT-OFF SWITCH / PUSH BUTTON: 48" A.F.F.
16. EMERGENCY CALL SWITCH: 36" A.F.F.
17. EMERGENCY CALL BELL / LIGHT: +/- 7'-6" A.F.F. - CENTER ABOVE DOOR
18. WALL MOUNTED EXIT SIGNS: 7'-6" A.F.F.
19. WALL MOUNTED CLOCKS AND SPEAKERS: +/- 7'-6" A.F.F. COORD. WITH BLOCK COURSING AS OCCURS. CONSULT ARCHITECT IF CEILING HEIGHT CONFLICTS.

FIRE PROTECTION SYSTEM NOTES

1. ONE SMOKE ALARM SHALL BE PROVIDED IN EACH SEPARATE SLEEPING AREAS.
2. ONE SMOKE ALARM SHALL BE PROVIDED OUTSIDE OF EACH SEPARATE SLEEPING AREA INT THE IMMEDIATE VICINITY OF THE BEDROOMS.
3. A SMOKE ALARM SHALL BE LOCATED ON EACH ADDITIONAL STORY OF THE DWELLING, INCLUDING BASEMENTS BUT NOT INCLUDING CRAWL SPACES AND UNINHABITABLE ATTICS. IN DWELLINGS OR DWELLING UNITS WITH SPLIT LEVELS AND WITHOUT AN INTERVENING DOOR BETWEEN THE ADJACENT LEVELS, A SMOKE ALARM INSTALLED ON THE UPPER LEVEL SHALL SUFFICE FOR THE ADJACENT LOWER LEVEL PROVIDED THAT THE LOWER IS LESS THAN ONE FULL STORY BELOW THE UPPER LEVEL.
4. ALL SMOKE ALARMS SHALL BE INTER CONNECTED SUCH THAT ACTUATION OF ONE WILL ACTUATE ALL SMOKE ALARMS SIMULTANEOUSLY.
5. ALL SPRINKLER PIPING IS TO BE LOCATED ABOVE FINISH CEILING UNLESS OTHERWISE NOTED. (UPPER LEVEL SPRINKLER PIPING TO EXTEND INTO THE ATTIC SPACE WHEN INSULATED).
6. SPRINKLER HEADS SHALL BE LOCATED AS SHOWN ON THE PLUMBING DRAWINGS.
7. EXPOSED SPRINKLER INSTALLATION SHALL BE CAREFULLY COORDINATED IN THE FIELD TO AVOID CONFLICTING WITH LIGHTING AND OTHER CEILING MOUNTED EQUIPMENT.

FINISH NOTES

GYPSUM BOARD
1. PROVIDE AND INSTALL GYPSUM WALL BOARD IN ACCORDANCE WITH AMERICAN STANDARD SPECIFICATIONS FOR THE APPLICATION AND FINISHING OF GYPSUM WALLBOARD, AS APPROVED BY THE AMERICAN STANDARDS ASSOCIATION. LATEST EDITION, APPLICABLE PARTS THEREOF ARE HEREBY MADE A PART OF THIS SPECIFICATION EXCEPT WHERE MORE STRINGENT REQUIREMENTS ARE CALLED FOR IN THE SPECIFICATION, IN LOCAL CODES, OR BY THE MANUFACTURER OF THE GYPSUM WALLBOARD, WHOSE REQUIREMENTS SHALL BE FOLLOWED.
2. PROVIDE AND INSTALL MOISTURE-RESISTANT GYPSUM WALLBOARD WHERE REQUIRED. PROVIDE TYPE X GYPSUM BOARD AS CALLED FOR ON THE DRAWINGS.
3. PROVIDE 5/8" TYPE X GYPSUM BOARD AT ALL WALLS BETWEEN GARAGE AND HOUSE. PROVIDE 5/8" TYPE X GYPSUM BOARD AT GARAGE CEILING WHICH HAS LIVING SPACE ABOVE.

PAINT
1. APPLICATION OF PAINT OR OTHER COATING SHALL BE IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. READY-MIXED PAINT SHALL NOT BE THINNED, EXCEPT AS PERMITTED IN THE APPLICATION INSTRUCTIONS AND WITH PRIOR APPROVAL.

FLOORING MATERIAL
1. INSTALL CERAMIC TILE OR NATURAL STONE TILE IN COMPLIANCE WITH PERTINENT RECOMMENDATIONS CONTAINED IN THE TILE COUNCIL OF AMERICA "HANDBOOK FOR CERAMIC TILE INSTALLATION" AND MANUFACTURER'S INSTRUCTIONS.
2. PROVIDE MANUFACTURER APPROVED UNDERLAYMENT FOR ALL FLOORING TYPES CALLED OUT IN CONTRACT DOCUMENTS.

STRUCTURAL STEEL NOTES

1. STRUCTURAL STEEL COMPONENTS SHALL CONFORM TO THE CURRENT SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS AS ADOPTED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION.
2. UNLESS OTHERWISE NOTED, ALL STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH ASTM SPECIFICATIONS A-36. STEEL FOR PIPE COLUMNS SHALL BE IN ACCORDANCE WITH ASTM SPECIFICATIONS A-501.
3. ALL STEEL-TO-STEEL CONNECTIONS SHALL BE FABRICATED IN ACCORDANCE WITH INDUSTRY STANDARD PRACTICES FOR BOLTED OR WELDED CONNECTIONS.
4. ALL STEEL SHALL BE PAINTED WITH ONE SHOP COAT OF RED-OXIDE PRIMER. GALVANIZED MEMBERS SHALL BE UTILIZED WHERE SHOWN ON THE DRAWINGS.

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SUFFIELD TOWN HALL

SUFFIELD, CT
Project #: 1949

Revisions

Issue Dates:

SCHEMATIC DESIGN
08-16-19

GENERAL INFORMATION

G1.1

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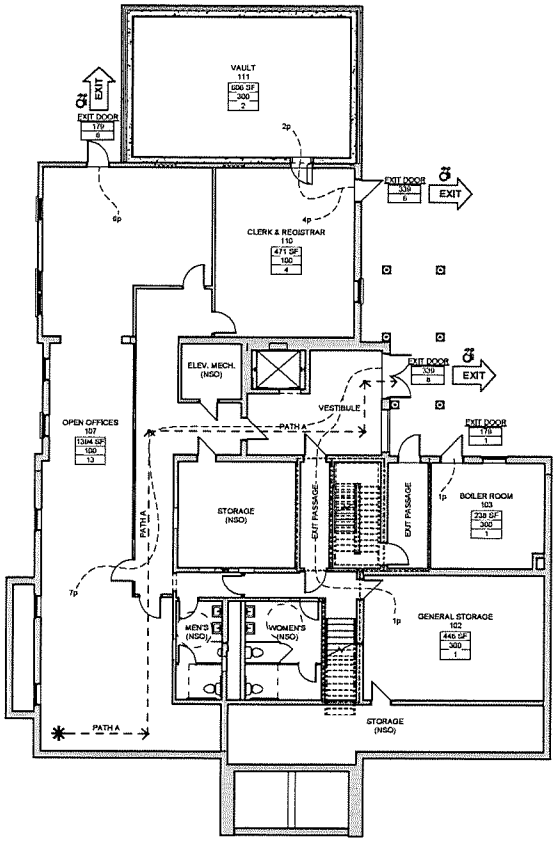
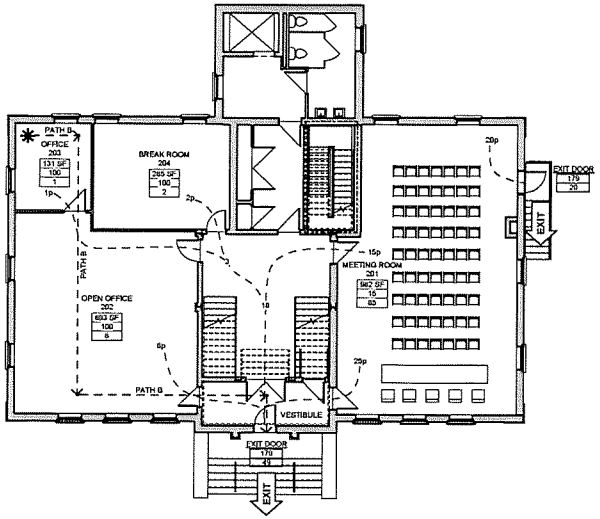
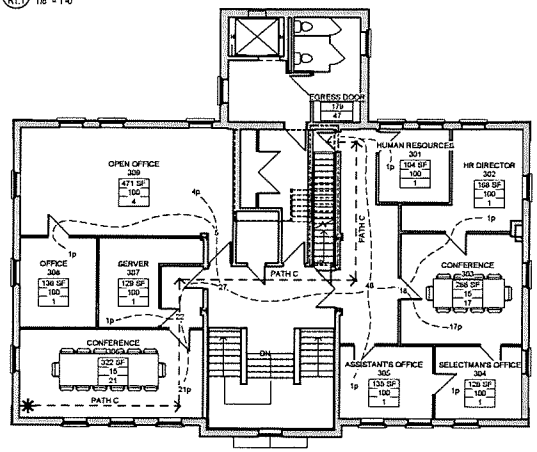


1 R1.1 **BASEMENT LEVEL**
1/8" = 1'-0"



2 R1.1 **GROUND LEVEL**
1/8" = 1'-0"



3 R1.1 **UPPER LEVEL**
1/8" = 1'-0"

CODES THIS PROJECT WAS DESIGNED TO

INTERNATIONAL BUILDING CODE	2015
IBC CONNECTICUT SUPPLEMENT	2018
INTERNATIONAL EXISTING BUILDING CODE	2015
INTERNATIONAL MECHANICAL CODE	2015
INTERNATIONAL PLUMBING CODE	2015
NFPA 70 NATIONAL ELECTRIC CODE	2017
INTERNATIONAL ENERGY CONSERVATION CODE	2015
CONNECTICUT FIRE SAFETY CODE	2016

REHABILITATION ACT 1973, SECTION 504
INCLUDING UNIFORM FEDERAL ACCESSIBILITY STANDARDS (UFAS) AND SECTION 504 REGULATIONS

ICC/ANSI A117.1 - 2009

THE AMERICANS WITH DISABILITIES ACT, TITLE II, INCLUDING THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG) AND ADA REGULATIONS

(H) CURRENT CONNECTICUT PUBLIC HEALTH CODES
(O) CURRENT O.S.H.A. - TITLE 29/LABOR
(GS) CONNECTICUT GENERAL STATUTES

LIFE SAFETY LEGEND:

- AREA / 500 SF / 30 / 17 — EGRESS ROOM TAG; ROOM AREA; ROOM OCCUPANT LOAD FACTOR; NO. OF OCCUPANTS
- DOOR ### / 104 / 0 — STAIR / DOOR EGRESS TAG; ALLOWABLE OCCUPANT LOAD; ACTUAL OCCUPANT LOAD
- 2-HOUR SEPARATION
- 1-HOUR SEPARATION
- SMOKE SEPARATION
- Travel Distance — TRAVEL DISTANCE TAG; TRAVEL DISTANCE LINE
- START OF EGRESS TRAVEL PATH
- EXIT — EXIT POINT
- HC ACCESSIBLE ROUTE

TRAVEL DISTANCE

PATH ID	TRAVEL DISTANCE	FLOOR LEVEL
PATH A	95'-0"	BASEMENT
PATH B	74'-0"	GROUND
PATH C	85'-0"	UPPER

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CODE PLANS

R1.1

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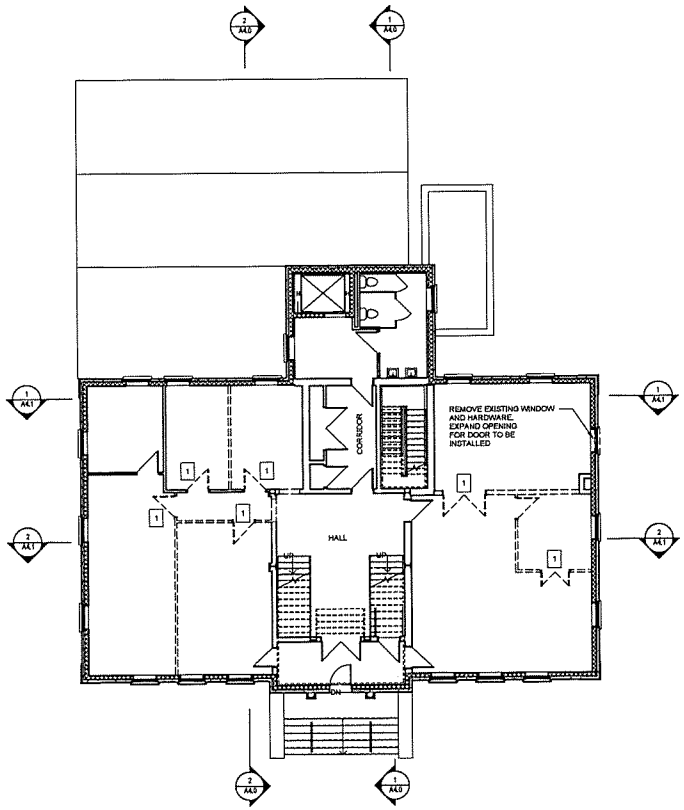
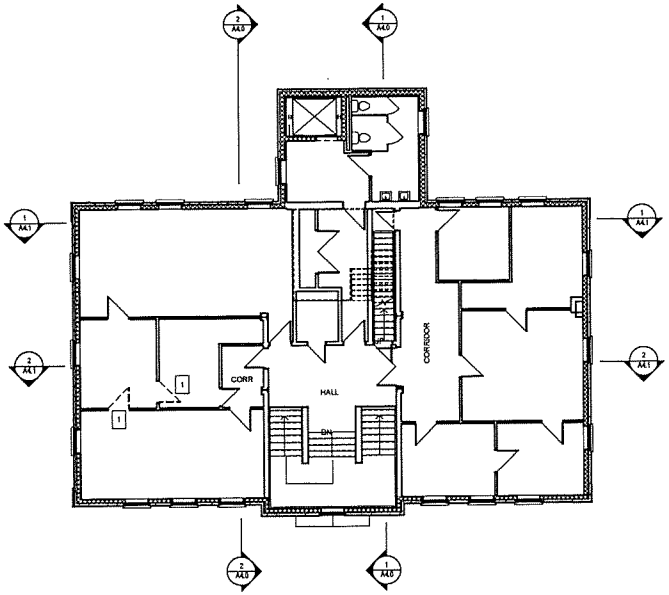
GENERAL DEMOLITION NOTES:

DEMO EXISTING WALLS WHERE INDICATED

1	REMOVE EXISTING DOORS & HARDWARE
2	REMOVE EXISTING SINKS & PIPING
3	REMOVE ALL EXISTING BATHROOM ACCESSORIES AND TOILET PARTITIONS



1 D1.2 GROUND LEVEL - DEMO
1/8" = 1'-0"



2 D1.2 UPPER LEVEL - DEMO
1/8" = 1'-0"

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DEMOLITION GROUND & UPPER FLOOR PLAN

D1.2

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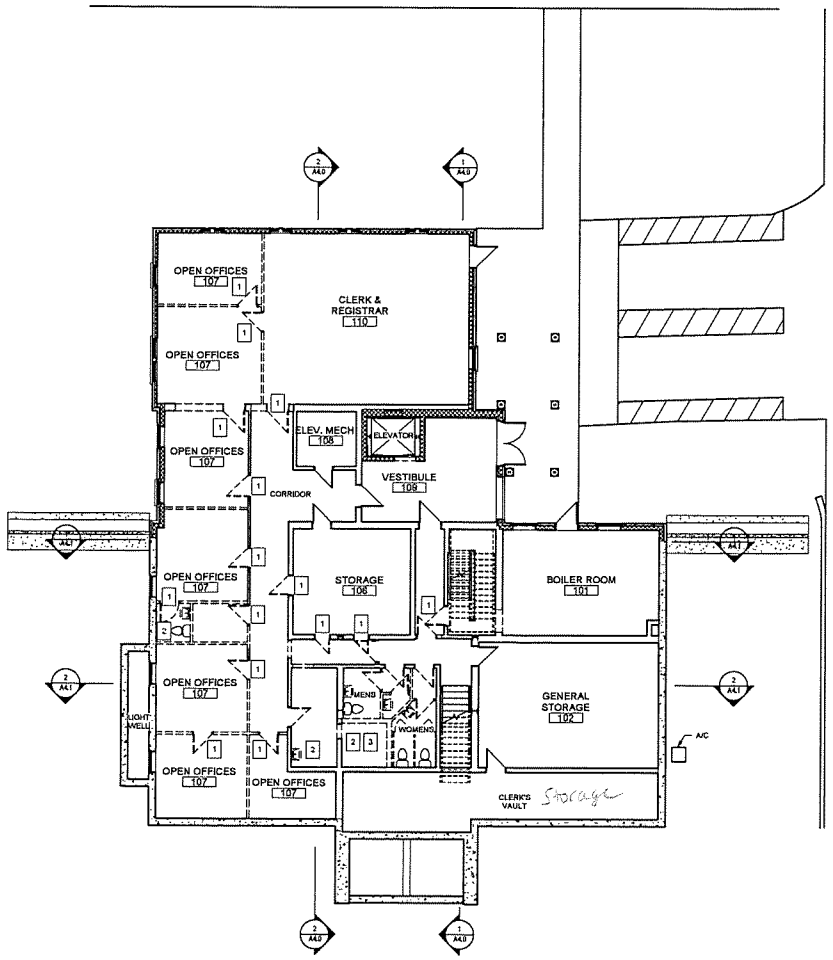
GENERAL DEMOLITION NOTES:

DEMO EXISTING WALLS WHERE INDICATED

1	REMOVE EXISTING DOORS & HARDWARE
2	REMOVE EXISTING SINKS & PIPING
3	REMOVE ALL EXISTING BATHROOM ACCESSORIES AND TOILET PARTITIONS



1 D1.1 **BASEMENT LEVEL - DEMO**
1/8" = 1'-0"

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DEMOLITION BASEMENT FLOOR PLAN

D1.1

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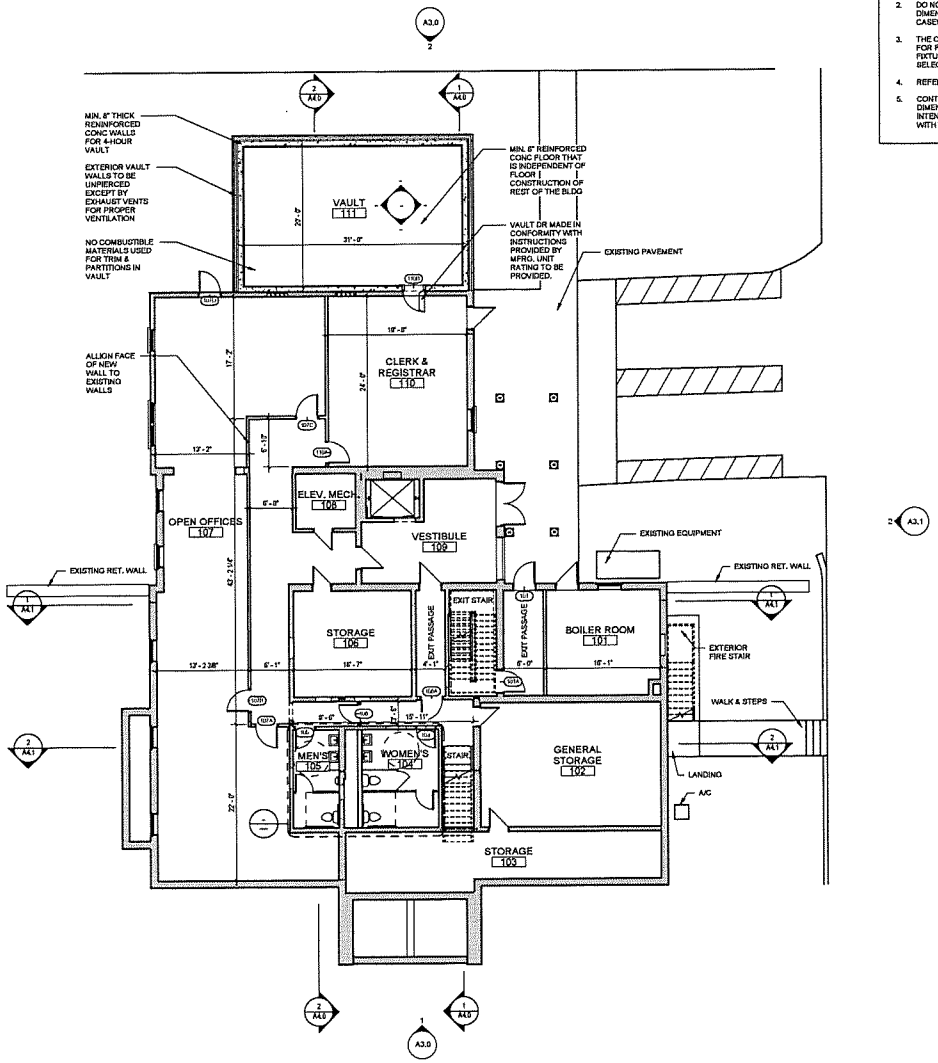
GENERAL NOTES:

1. DIMENSIONS SHOWN ON ARCHITECTURAL FLOOR PLANS AND ENLARGED PLAN DETAILS ARE TO FACE OF STUD, TO FACE OF MASONRY OR TO CENTERLINE OF COLUMN UNLESS OTHERWISE NOTED.
2. DO NOT SCALE OR MEASURE THESE DRAWINGS. REFER TO WRITTEN DIMENSIONS, NOTES AND DETAILS ON THESE DRAWINGS TO LCATE WALLS, CASEWORK AND EQUIPMENT.
3. THE CONTRACTOR SHALL COORDINATE AND INSTALL THE DIMENSIONS FOR FRAMED OPENINGS FOR ALL BUILT-IN ITEMS, INCLUDING EQUIPMENT, FIXTURES, SIGNAGE AND FURNITURE BASED ON THE ACTUAL ITEMS SELECTED BY THE ARCHITECT.
4. REFER TO ROOM FINISH SCHEDULE FOR FINISH MATERIALS.
5. CONTRACTOR TO PROVIDE ALIGNMENTS SHOWN IN THE DRAWINGS. IF THE DIMENSIONS SHOWN CONFLICT WITH GRAPHIC ALIGNMENTS AND DESIGN INTENT DEMONSTRATED IN THE DRAWINGS, REVIEW THE DIMENSIONS WITH THE ARCHITECT PRIOR TO PROCEEDING.



1 A1.0 OPTION ER1 - BASEMENT LEVEL
1/8" = 1'-0"

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BASEMENT FLOOR PLAN

A1.0

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3. THE CONTRACTOR SHALL COORDINATE AND INSTALL THE DIMENSIONS FOR FRAMED OPENINGS FOR ALL BUILT-IN ITEMS, INCLUDING EQUIPMENT, FIXTURES, SIGNAGE AND FURNITURE BASED ON THE ACTUAL ITEMS SELECTED BY THE ARCHITECT.
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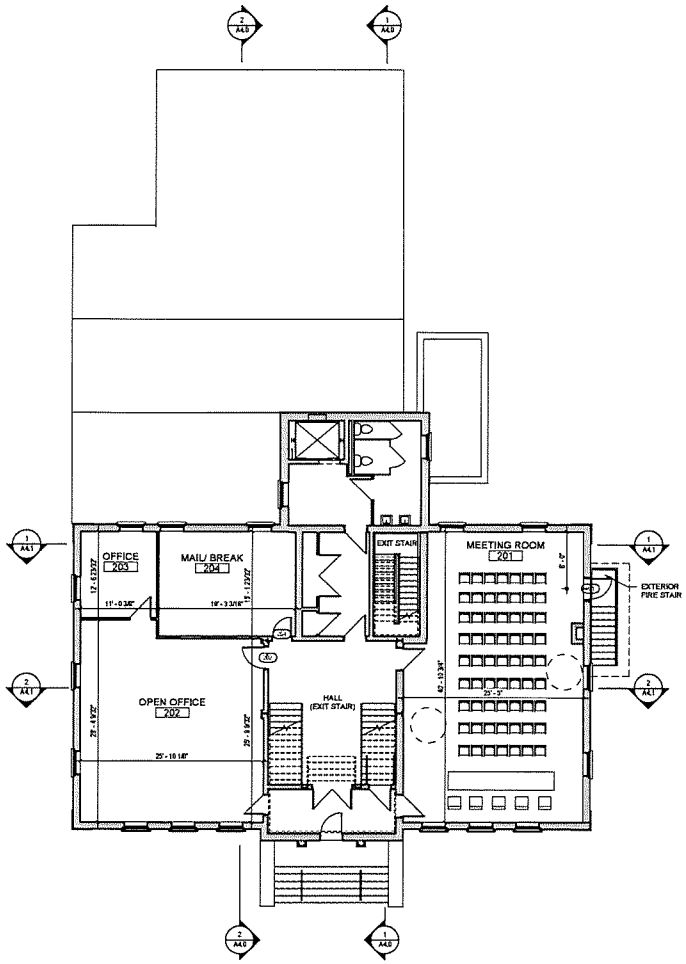
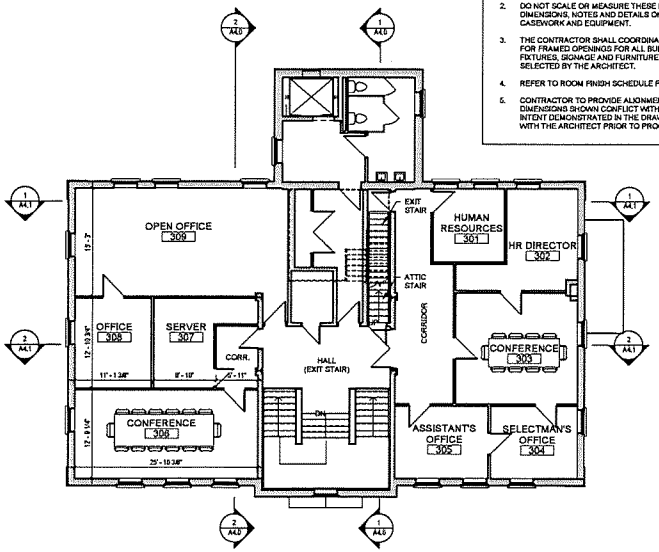
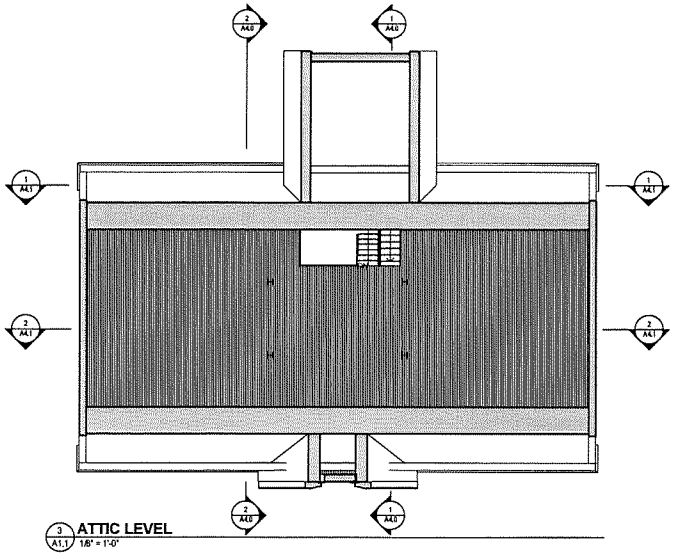


1 A1.1 OPTION ER1 - GROUND LEVEL
1/8" = 1'-0"



2 A1.1 OPTION ER1 - UPPER LEVEL
1/8" = 1'-0"



3 A1.1 ATTIC LEVEL
1/8" = 1'-0"

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GROUND & UPPER FLOOR PLAN

A1.1

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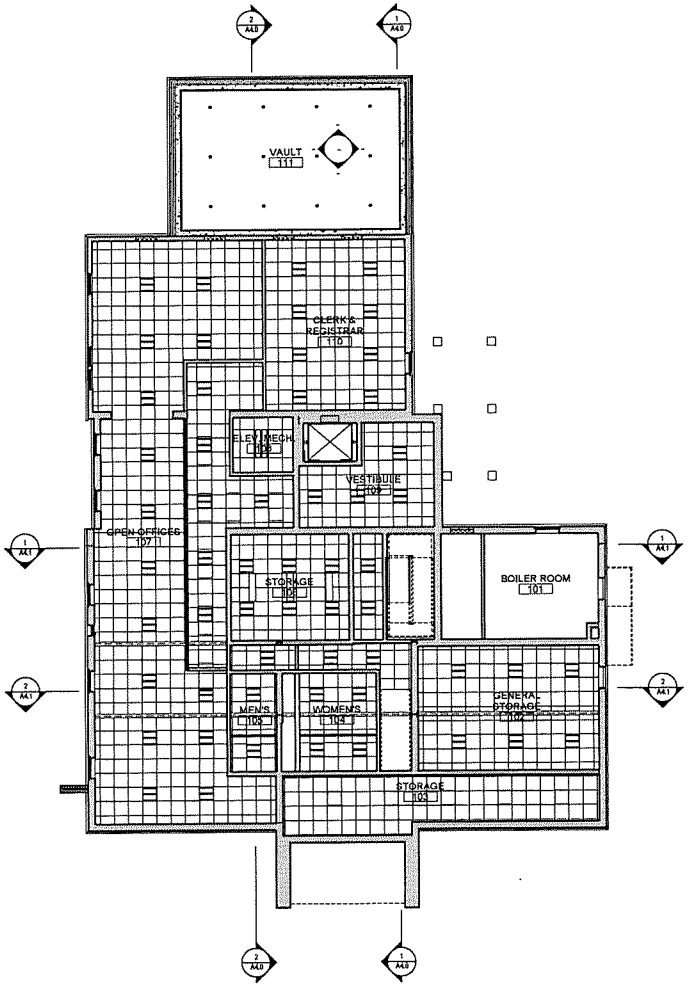
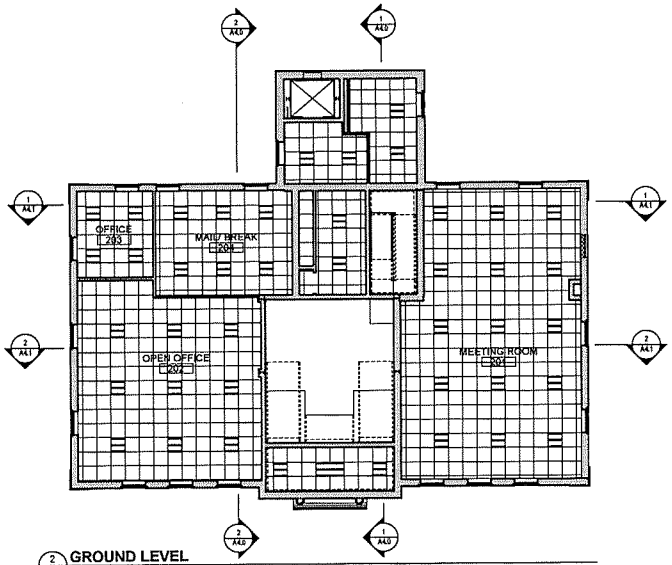


1 A2.0 BASEMENT LEVEL
1/8" = 1'-0"



2 A2.0 GROUND LEVEL
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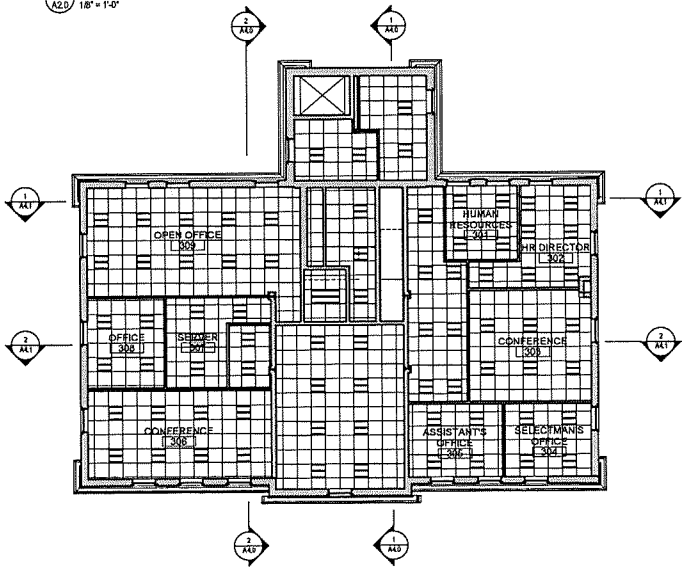

3 A2.0 UPPER LEVEL
1/8" = 1'-0"

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PROJECT DESCRIPTION:

SUFFIELD TOWN HALL

SUFFIELD, CT
Project #: 1949

Revisions
Issue Dates:

SCHEMATIC DESIGN
09-19-19

REFLECTED CEILING PLANS

A2.0

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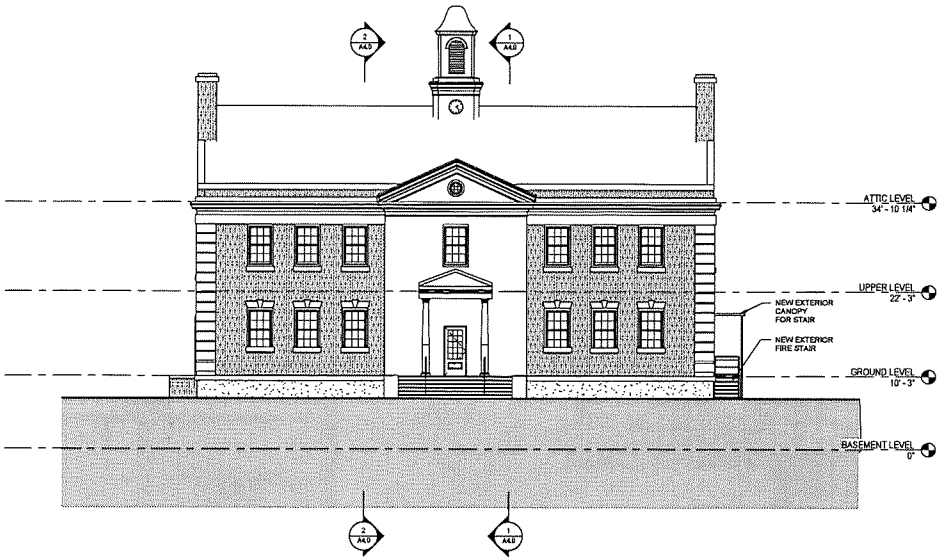
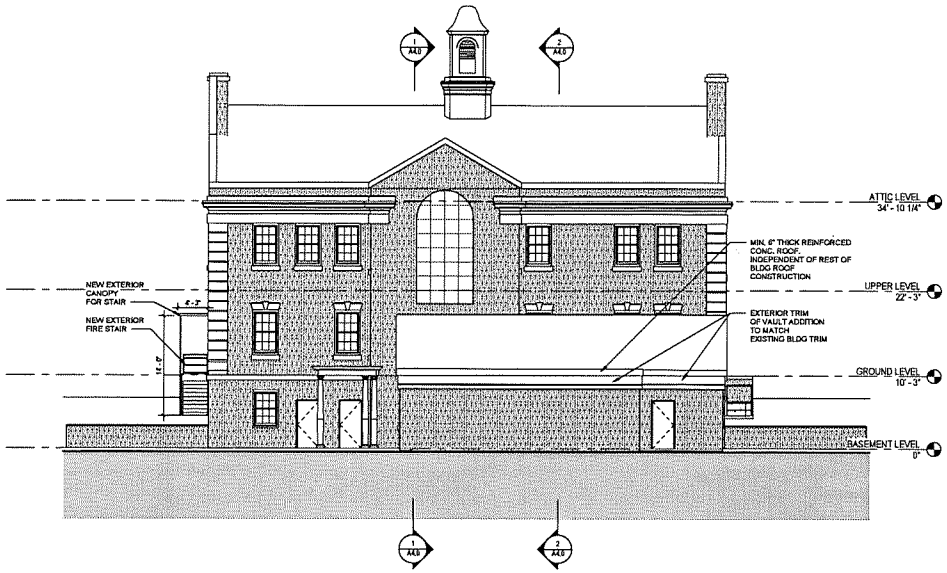


1 A3.0 **NORTH ELEVATION**
1/8" = 1'-0"



2 A3.0 **SOUTH ELEVATION**
1/8" = 1'-0"

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EXTERIOR ELEVATIONS

A3.0

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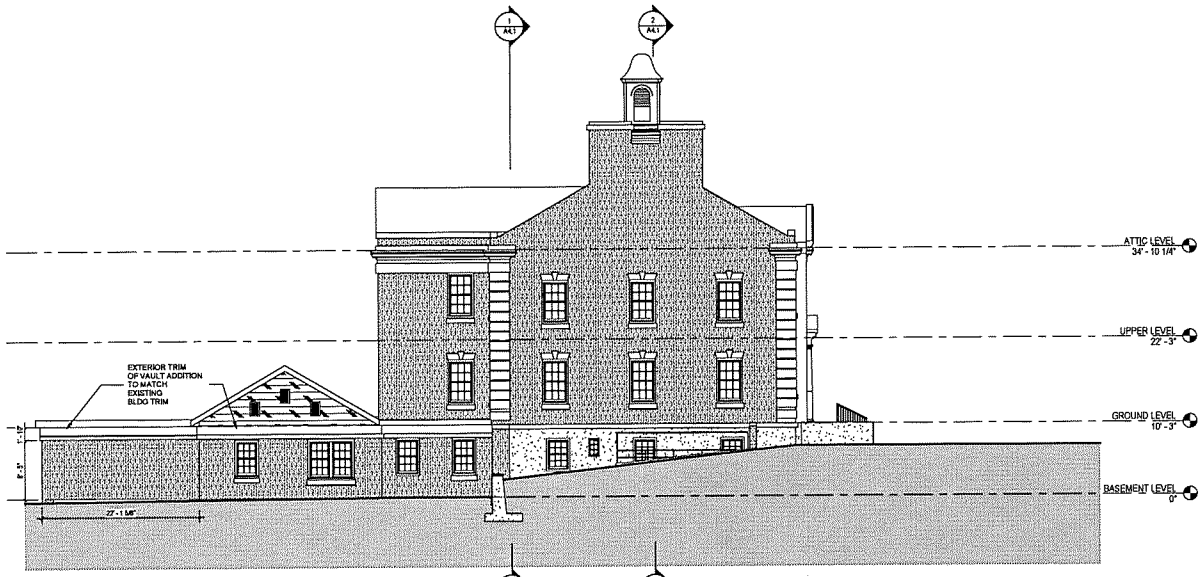
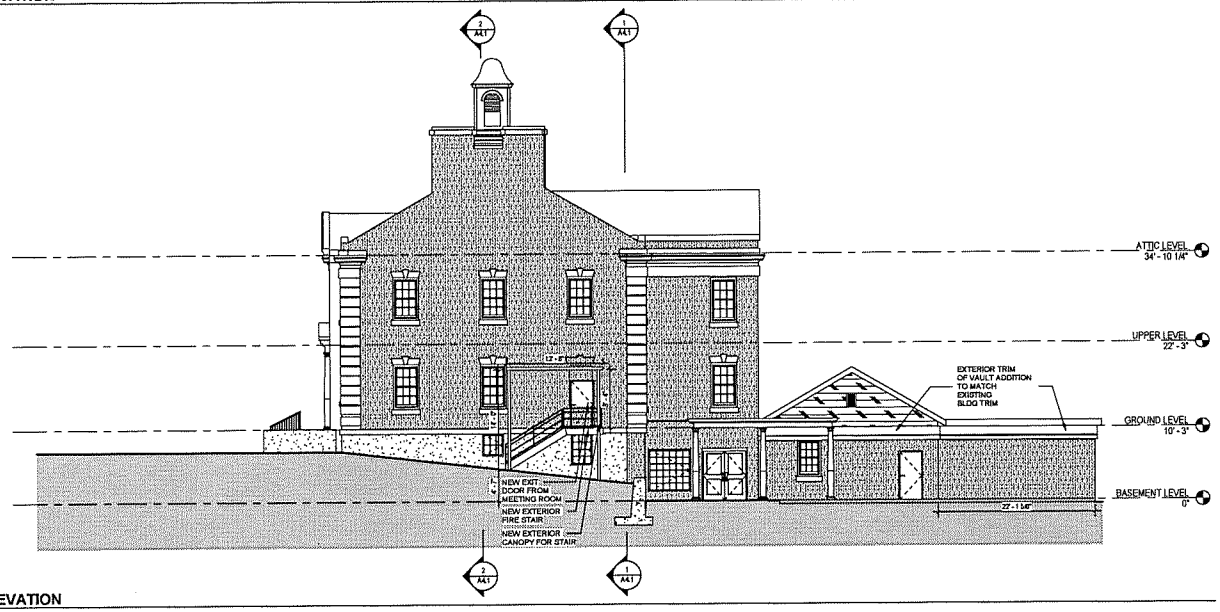


1 A3.1 **EAST ELEVATION**
1/8" = 1'-0"



2 A3.1 **WEST ELEVATION**
1/8" = 1'-0"

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EXTERIOR ELEVATIONS 2

A3.1

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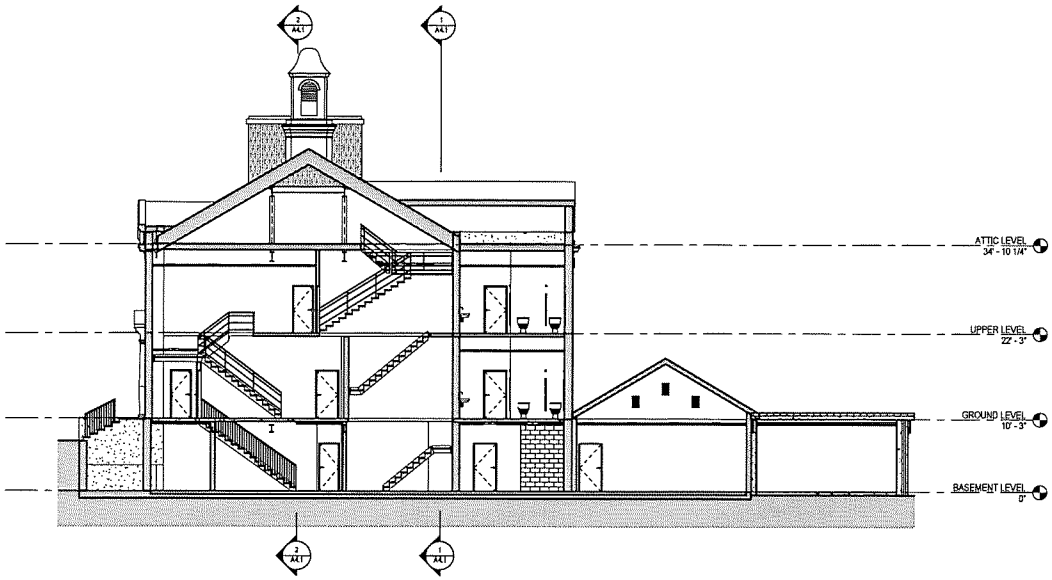
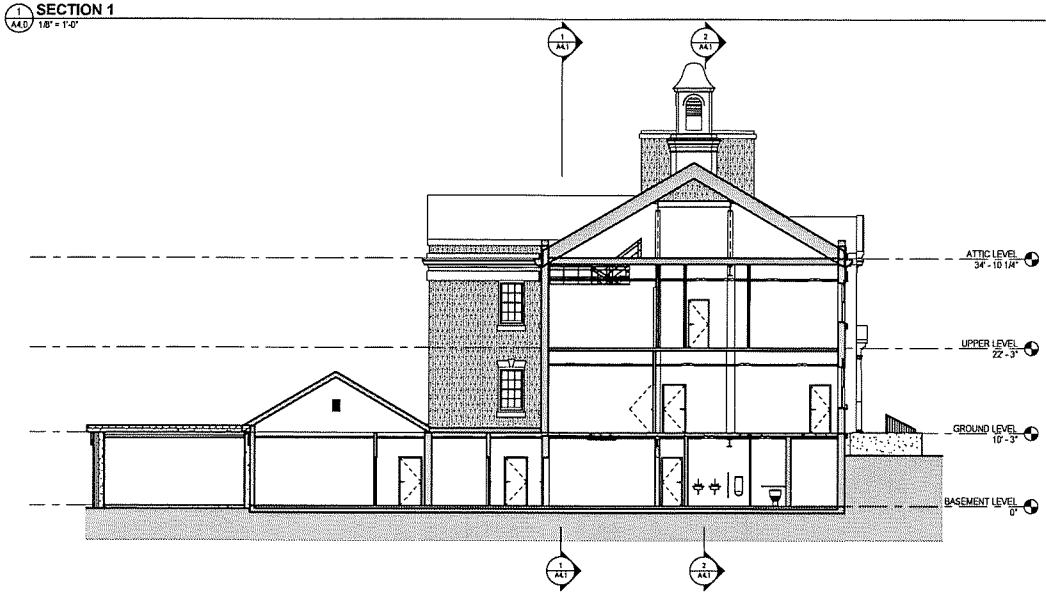


1 A4.0 **SECTION 1**
1/8" = 1'-0"



2 A4.0 **SECTION 2**
1/8" = 1'-0"

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BUILDING SECTIONS 1

A4.0

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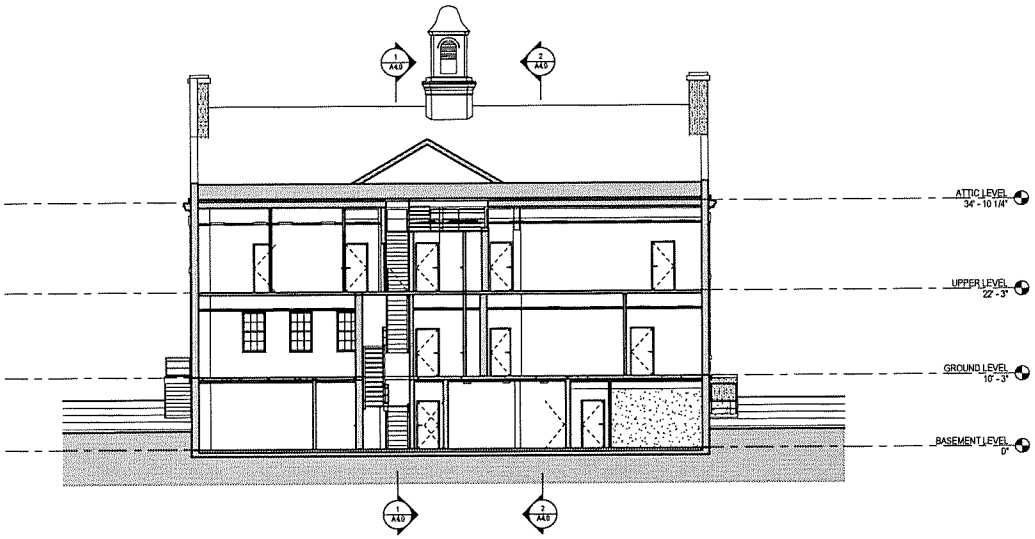
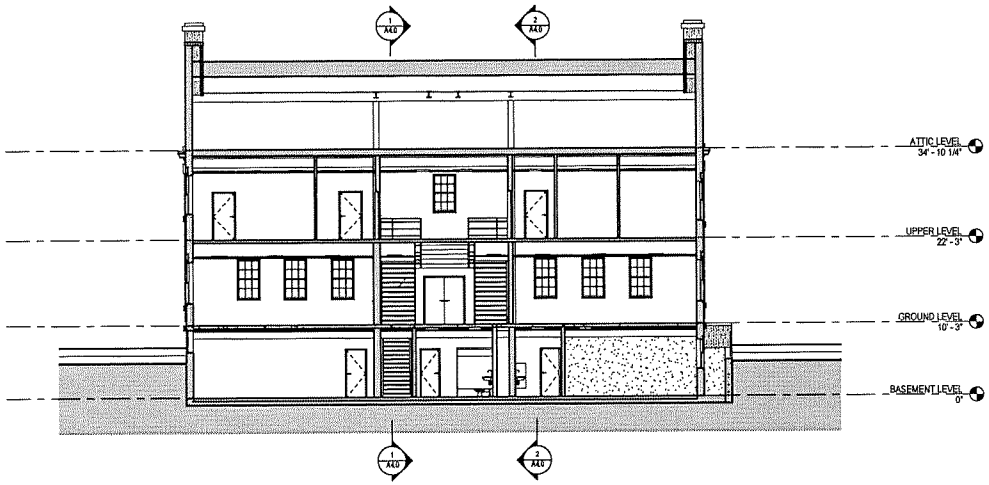


1 A4.1 **SECTION 3**
1/8" = 1'-0"



2 A4.1 **SECTION 4**
1/8" = 1'-0"

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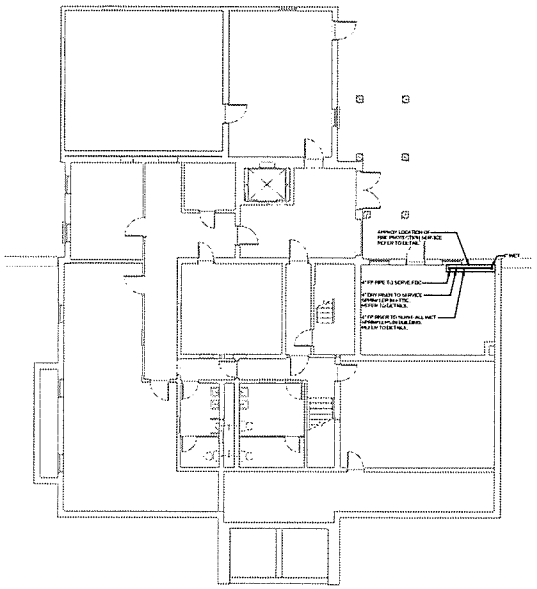
BUILDING SECTIONS 2

A4.1



1 BASEMENT LEVEL FIRE PROTECTION PLAN OPTION E
1/8" = 1'-0"

SPRINKLER SYSTEM NOTES

1. THESE GENERAL NOTES ARE APPLICABLE TO ALL FIRE PROTECTION DRAWINGS.
2. DRAWINGS ARE DIAGRAMMATIC AND SHOW THE GENERAL INTENT OF WORK. SEE DETAILS, RISERS, AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
3. THE DRAWINGS INDICATE A SUGGESTED SPRINKLER HEAD LAYOUT AND THAT EACH AREA IS COVERED BY SPRINKLER PROTECTION AS REQUIRED BY ALL APPLICABLE STATE OF CT BUILDING AND FIRE CODES. THE SPRINKLER GUARANTEES SHALL NOT BE COUNTED, AS A TAKE OFF OR AS EXACT LOCATIONS. EXACT SPACING, DENSITY, AND LOCATION REQUIREMENTS SHALL BE AS DICTATED BY NFPA 13.
4. FLOW DATA PERFORMED ON 2019 AT A HYDRANT LOCATED AT MOUNTAIN RD @ POST OFFICE WAS RECORDED AS FOLLOWS:

   STATIC PRESSURE: 79 PSI
   RESIDUAL PRESSURE: 68 PSI
   FLOW RATE: 1160 GPM

   THIS FLOW DATA SHALL BE USED AS A GUIDE BY THE CONTRACTOR. THE CONTRACTOR SHALL PERFORM AN ADDITIONAL FLOW TEST TO VERIFY THIS INFORMATION. INFORMATION FROM THE CONTRACTOR'S FLOW TEST SHALL BE USED FOR HYDRAULIC CALCULATIONS.
5. COMBINED INSIDE AND OUTSIDE HOSE STREAM ALLOWANCE FOR HYDRAULIC CALCULATIONS SHALL BE 250 GPM.
6. HYDRAULIC CALCULATIONS SHALL INCLUDE A SAFETY FACTOR OF 10%.
7. PIPE VELOCITY AT ANY POINT OF THE SYSTEM SHALL NOT EXCEED 12FPS.
8. INSTALLATION OF SPRINKLERS SHALL BE BASED ON THE FOLLOWING:

AREA	OCCUPANCY CLASSIFICATION	DENSITY (GPM/SF)	AREA OF APPLICATION (SF)
BOILER ROOM	ORDINARY HAZARD GROUP 1	0.15	1500
STORAGE ROOMS	ORDINARY HAZARD GROUP 1	0.15	1500
REMAINDER OF THE BUILDING	LIGHT HAZARD	0.10	1500

FIRE PROTECTION ABBREVIATIONS

ABBREVIATION	DESCRIPTION
AFF	ABOVE FINISHED FLOOR
CR	CORROSION RESISTANT
D	DRY
DCV	DOUBLE CHECK VALVE
E.C.	EXTENDED COVERAGE
ELEV	ELEVATION
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FD	FIRE DEPARTMENT
FDC	FIRE DEPARTMENT CONNECTION
FHV	FIRE HOSE VALVE
FP	FIRE PROTECTION
FPC	FIRE PUMP CONTROLLER
FPM	FEET PER MINUTE
FS	FLOW SWITCH
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HD	TOTAL DEVELOPED HEAD
HVC	HOSE VALVE CABINET
ITC	INTERMEDIATE TEMPERATURE CLASSIFICATION
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
NTS	NOT TO SCALE
OS&Y	OUTSIDE SCREW AND YOLK
PD	PRESSURE DROP
PIV	PRESSURE INDICATOR VALVE
PRV	PRESSURE REDUCING VALVE
PS	PRESSURE SWITCH
PSI	POUNDS PER SQUARE INCH
RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
RPM	REVOLUTIONS PER MINUTE
SS	SUPERVISORY SWITCH
TS	TAMPER SWITCH
TYP	TYPICAL
V	VOLTS
VEL	VELOCITY
WG	WIRE GUARD

FIRE PROTECTION SYMBOL LEGEND

SYMBOL	DESCRIPTION
	OS&Y GATE VALVE
	GATE VALVE
	CHECK VALVE
	BALL VALVE/DRAIN VALVE
	BUTTERFLY VALVE
	RELIEF VALVE
	DOUBLE CHECK VALVE ASSEMBLY
	STRAINER
	PRESSURE REDUCING VALVE
	GATE VALVE ON RISE
FS	FLOW SWITCH
	"WET" ALARM VALVE RISER
TS	TAMPER SWITCH
FS	FLOW SWITCH
PS	PRESSURE SWITCH
	PRESSURE GAUGE
	FIRE DEPARTMENT CONNECTION PIPING
	FIRE DEPARTMENT CONNECTION PIPING (BELOW GROUND)
	DRAIN PIPING
	SPRINKLER PIPING (DRY)
	SPRINKLER MAIN (WET)
	ELECTRIC ALARM BELL
	ANGLE VALVE
	SITE GLASS
	POST MOUNTED FIRE DEPARTMENT CONNECTION
	90° ELBOW DOWN
	90° ELBOW UP
	TEE UP
	TEE DOWN
	DROP AND RUN
	FIRE PROTECTION PIPE
	FIRE PROTECTION PIPE WITH HEAT TRACE
	PIPE DOWN
	PIPE UP

SPRINKLER SYMBOL LEGEND

SYMBOL	DESCRIPTION
	SIDEWALL SPRINKLER (DRY)
	SIDEWALL SPRINKLER
ITC	ITC SIDEWALL SPRINKLER
	PENDANT SPRINKLER
	PENDANT SPRINKLER (DRY)
	PENDANT SPRINKLER WITH GUARD
	UPRIGHT SPRINKLER
	UPRIGHT SPRINKLER WITH GUARD
	CONCEALED PENDANT SPRINKLER
	CONCEALED PENDANT SPRINKLER (DRY)

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SUFFIELD TOWN HALL

SUFFIELD, CT.
State Project #: Optional
Project #:2019202.00

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SCHEMATIC DESIGN
08/15/19

FIRE PROTECTION FLOOR PLAN

FP1.00

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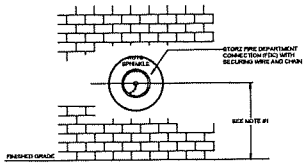
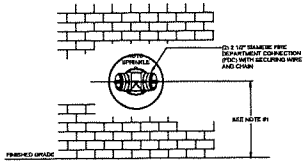
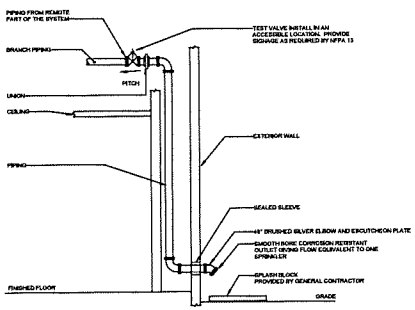


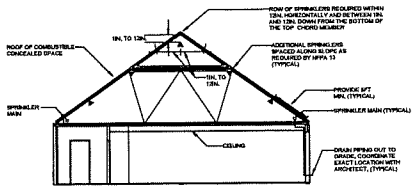


FIRE DEPARTMENT CONNECTION NOTES:
1. FIRE PROTECTION CONTRACTOR SHALL COORDINATE, MOUNTING HEIGHT AND LOCATION OF THE FDC WITH THE LOCAL FIRE DEPARTMENT'S REQUIREMENTS.
2. THE FIRE PROTECTION CONTRACTOR SHALL COORDINATE, THE CONNECTION THREAD TYPE WITH THE LOCAL FIRE, DEPARTMENT FOR COMPARABILITY.
3. THE FDC FINISH SHALL BE COORDINATED WITH ARCHITECT AND PROVIDED WITH FOLLOWING LETTERING: "AUTO-SPRINKLER"

4 FIRE DEPT. CONNECTION DETAIL
NTS

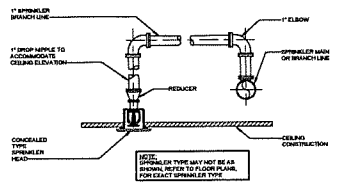


6 WET PIPE SYSTEM TEST CONNECTION DETAIL
NTS



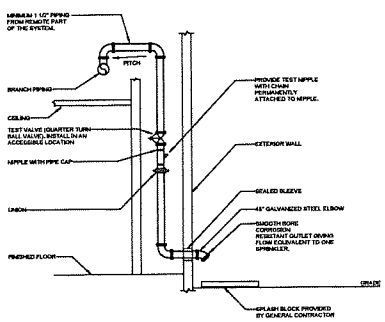
NOTE:
1. PROVIDE SPRINKLERS AS REQUIRED BY NFPA 13
2. BRANCH PIPING SHALL BE PITCHED TO MATCH SLOPE OF ROOF.
3. SPRINKLER MAINS SHALL BE PITCHED TO DRAIN.

3 DRY SPRINKLER SYSTEM IN ATTIC DETAIL
NTS

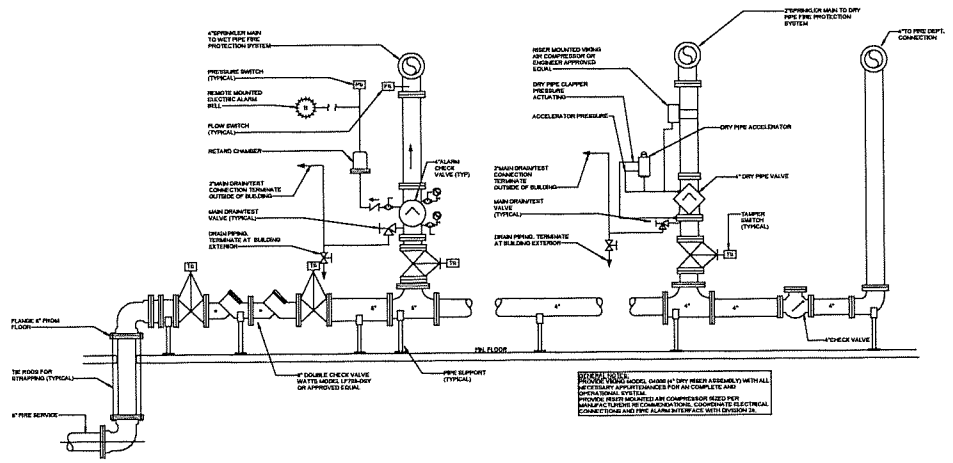


NOTE:
SPRINKLER TYPE MAY NOT BE AS SHOWN, REFER TO FLOOR PLANS FOR EXACT SPRINKLER TYPE

2 ARMOVER DETAIL
NTS



5 DRY SYSTEM TEST CONNECTION DETAIL
NTS



GENERAL NOTES:
PROVIDE VIKING MODEL D4000 (4" DRY RISER ASSEMBLY) WITH ALL NECESSARY APPURTENANCES FOR AN COMPLETE AND OPERATIONAL SYSTEM.
PROVIDE RISER MOUNTED AIR COMPRESSOR SIZED PER MANUFACTURERS RECOMMENDATIONS. COORDINATE ELECTRICAL CONNECTIONS AND FIRE ALARM INTERFACE WITH DIVISION 26.

1 FIRE SERVICE
NTS

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SUFFIELD TOWN HALL
SUFFIELD, CT.
State Project #: Optional
Project #: 2019202.00

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08/15/19

FIRE PROTECTION DETAILS

FP5.00

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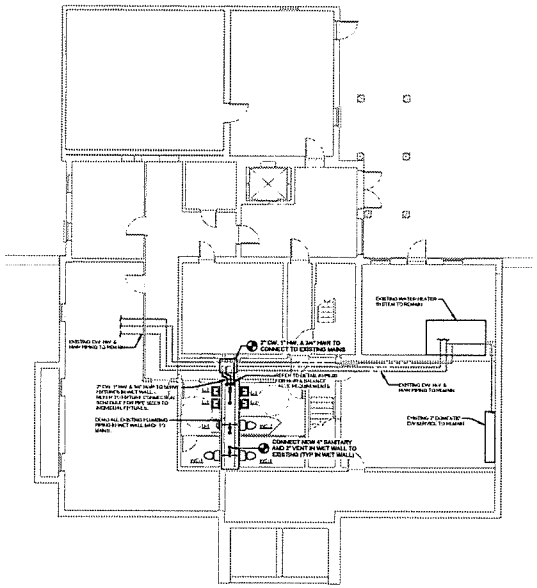

1 BASEMENT LEVEL PLUMBING PLAN OPTION E
1/8" = 1'-0"

PLUMBING SYMBOL LEGEND

SYMBOL	DESCRIPTION
	GATE VALVE
	CHECK VALVE
	BALL VALVE
	BALANCING VALVE
	GLOBE VALVE
	BUTTERFLY VALVE
	PLUG VALVE
	RELIEF VALVE
	DOUBLE CHECK VALVE ASSEMBLY
	REDUCED PRESSURE BACKFLOW PREVENTER ASSEMBLY AND DRAIN
	STRAINER
	FLOOR DRAIN/ FLOOR SINK/ AREA DRAIN
	ROOF / OVERFLOW DRAIN
	SUMP PUMP
	PRESSURE REGULATOR
	PIPE TRAP
	WATER METER
	GAS METER
	TRAP PRIMER
	FIXTURE TYPE
	THERMOMETER
	PRESSURE GAUGE
	CONNECT NEW TO EXISTING
	BACKWATER VALVE
	GATE VALVE IN ROAD CURB BOX
	ADA ACCESSIBLE FIXTURE
	FLOOR CLEANOUT
	HOSE BIB

PLUMBING PIPING LEGEND

SYMBOL	DESCRIPTION
	COLD WATER
	HOT WATER (110°F)
	HOT WATER (140°F)
	HOT WATER RECIRCULATION (110°F)
	HOT WATER RECIRCULATION (140°F)
	SANITARY WASTE ABOVE FLOOR
	SANITARY WASTE BURIED
	ACID WASTE ABOVE FLOOR
	GREASE WASTE ABOVE FLOOR
	VENT
	ACID WASTE VENT
	CONDENSATE DRAIN ABOVE FLOOR
	STORM ABOVE FLOOR (PRIMARY)
	STORM BURIED (PRIMARY)
	STORM ABOVE FLOOR (SECONDARY)
	NATURAL GAS ABOVE FLOOR
	SOLAR SUPPLY PIPING
	SOLAR RETURN PIPING
	DROP AND RUN (SANITARY, STORM, VENT)
	DROP AND RUN (OTHER)
	TEE OFF TOP OF PIPE
	TEE OFF BOTTOM OF PIPE
	90 DEGREE ELBOW UP
	90 DEGREE ELBOW DN

PLUMBING ABBREVIATIONS

ABBREVIATION	DESCRIPTION
AD	ACCESS DOOR
AWD	AREAWAY DRAIN
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
AV	ACID VENT
AVTR	ACID VENT THRU ROOF
AW	ACID WASTE
BFP	BACKFLOW PREVENTER
BTU	BRITISH THERMAL UNIT
CD	CONDENSATE DRAIN
CFH	CUBIC FEET PER HOUR
CI	CAST IRON
CO	CLEANOUT
CW	COLD WATER
DF	DRINKING FOUNTAIN
DN	DOWN
DSN	DOWN SPOUT NOZZLE
DW	DIRECT WASTE
ET	EXPANSION TANK
EWS	EMERGENCY EYEWASH/SHOWER
FCO	FLOOR CLEANOUT
FCU	FAN COIL UNIT
FLD	FLOOR DRAIN
FS	FLOOR SINK
FFE	FINISHED FLOOR ELEVATION
FGCO	FINISHED GRADE CLEANOUT
G	GAS
GI	GREASE INTERCEPTOR
GPM	GALLONS PER MINUTE
GSV	GAS SOLENOID VALVE
GW	GREASE WASTE
GV	GAS VENT
HB	HOSE BIBB
HW	HOT WATER
HWR	HOT WATER RECIRCULATION
INT	INTERCEPTOR
INV ELEV	INVERT ELEVATION
IW	INDIRECT WASTE
LAV	LAVATORY
MBH	THOUSAND BTU PER HOUR
NG	NATURAL GAS
OD	OVERFLOW DRAIN
OW	OIL WASTE
PCD	PUMPED CONDENSATE DRAIN
PRV	PRESSURE REDUCING VALVE
RD	ROOF DRAIN
RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
RTU	ROOF TOP UNIT
SAN	SANITARY
SS	SOIL STACK
ST	STORM
SST	SECONDARY STORM
TD	TRENCH DRAIN
TMV	THERMOSTATIC MIXING VALVE
TP	TRAP PRIMER
TW	TEMPERED WATER
TYP	TYPICAL
U	URINAL
V	VENT
VS	VENT STACK
VTR	VENT THRU ROOF
W	WASTE
WC	WATER CLOSET
WCO	WALL CLEANOUT
WHA	WATER HAMMER ARRESTOR
WHYD	WALL HYDRANT
WS	WASTE STACK
WSV	WASTE AND VENT
YH	YARD HYDRANT

PLUMBING GENERAL NOTES

1. THESE GENERAL NOTES ARE APPLICABLE TO ALL PLUMBING DRAWINGS.
2. DRAWINGS ARE DIAGRAMMATIC AND SHOW GENERAL INTENT OF WORK. SEE DETAILS, SCHEDULES AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
3. CONTRACTOR MUST REVIEW DRAWINGS OF THE OTHER TRADES AS PART OF THIS CONTRACT FOR ADDITIONAL WORK REQUIRED AND OR COORDINATION OF HIS WORK FOR OPERATIONS OR CONNECTIONS TO OTHER SYSTEM.
4. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING & INSTALLING ALL SERVICES TO HVAC EQUIPMENT INCLUDING BUT NOT LIMITED TO: GAS SUPPLY PIPING, CONDENSATE PIPING, COLD WATER MAKEUP PIPING, DRAINS, & CONNECTIONS TO AIR HANDLING UNITS, FAN COIL UNITS, UNIT HEATERS, HEAT PUMPS, ETC. ALSO, DEVICES REQUIRED INCLUDE BACKFLOW PREVENTERS, REGULATORS, UNIONS, TRAPS, & SHUT-OFF VALVES REQUIRED FOR THIS EQUIPMENT. REFER TO MECHANICAL DWGS. FOR ADDITIONAL INFORMATION AND COORDINATION.
5. THE CONTRACTOR SHALL PROVIDE PIPE EXPANSION JOINTS ON PIPING PASSING THRU ALL BUILDING EXPANSION JOINT LOCATIONS AS REQUIRED PER BUILDING CODES WHETHER OR NOT SHOWN ON DRAWINGS. REVIEW ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR EXACT BUILDING EXPANSION JOINT LOCATIONS AND EXPANSION DIMENSIONS.

PLUMBING DEMOLITION GENERAL NOTES

1. THE PLUMBING CONTRACTOR SHALL REMOVE ALL PLUMBING FIXTURES, CARRIERS, TRIM, PIPING, HANGERS, EQUIPMENT, FLOOR DRAINS AND PIPING AS SHOWN OR INDICATED ON DEMOLITION DRAWINGS.
2. ALL PIPING TO BE REMOVED SHALL BE REMOVED COMPLETELY OR AS OTHERWISE SHOWN OR INDICATED ON DRAWINGS. ALL PIPE HANGERS, SLEEVES, RISER CLAMPS, ETC. SHALL BE REMOVED COMPLETELY WITH PIPING. NO EXISTING HANGER SYSTEMS SHALL BE REUSED FOR NEW PIPING.
2. ALL PIPING TO BE REMOVED SHALL BE REMOVED TO BELOW FLOOR, ABOVE CEILING OR IN WALLS BACK TO MAINS OR SHUT OFF VALVES AT MAINS AND PROPERLY CAPPED PER CODE WITHOUT LEAVING DEAD ENDED PIPING.
4. NO EQUIPMENT OR DEVICES THAT HAVE BEEN DISCONNECTED AND OR ABANDONED SHALL REMAIN.
5. THE EXISTING PIPING AND EQUIPMENT SHOWN HAS BEEN TAKEN FROM THE BEST AVAILABLE EXISTING INFORMATION. THE DRAWINGS ARE DIAGRAMMATIC AND ALL FIXTURES, PIPING, AND DEVICES MAY NOT BE SHOWN. THE INTENT OF THESE DRAWINGS IS THAT IN ALL AREAS OF RENOVATION THAT THEY ARE REMOVED, WHETHER OR NOT SHOWN, UNLESS INDICATED TO REMAIN.
6. THE PLUMBING CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE EXISTING SYSTEMS AND CONDITIONS IN AREAS OF RENOVATION.
7. ANY SYSTEMS OR EQUIPMENT TO REMAIN ACTIVE DURING RENOVATION SHALL BE KEPT IN OPERATION BY PROVIDING TEMPORARY PIPING CONNECTIONS AS REQUIRED UNTIL NEW SYSTEMS ARE INSTALLED AND OPERATIONAL.
8. THE PLUMBING CONTRACTOR SHALL COORDINATE WITH THE OWNER, GC AND OR CONSTRUCTION MANAGER ANY AND ALL PHASING OF THE PLUMBING DEMOLITION WORK IN ORDER TO SATISFY THE CONSTRUCTION SCHEDULE AND OWNERS OCCUPANCY REQUIREMENTS.
9. THE PLUMBING CONTRACTOR SHALL ALSO REVIEW THE ARCHITECTURAL DEMOLITION DRAWINGS AS PART OF THIS CONTRACT FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
10. ALL SERVICE INTERRUPTIONS SHALL BE COORDINATED AND APPROVED WITH THE OWNER A MINIMUM OF 5 DAYS IN ADVANCE PRIOR TO COMMENCEMENT OF ANY WORK.
11. THE PLUMBING CONTRACTOR SHALL COORDINATE THEIR DEMOLITION WORK WITH THAT OF OTHER TRADES IN ORDER TO AVOID CONFLICTS.
12. ANY FIXTURE OR EQUIPMENT TO BE REMOVED AND REUSED OR RETURNED TO OWNER AT OWNERS REQUEST OR AS INDICATED ON DRAWINGS SHALL BE CAREFULLY REMOVED AND STORED TO PREVENT DAMAGE.

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SUFFIELD TOWN HALL

SUFFIELD, CT.

State Project #: Optional

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08/15/19

PLUMBING FLOOR PLAN

P1.00

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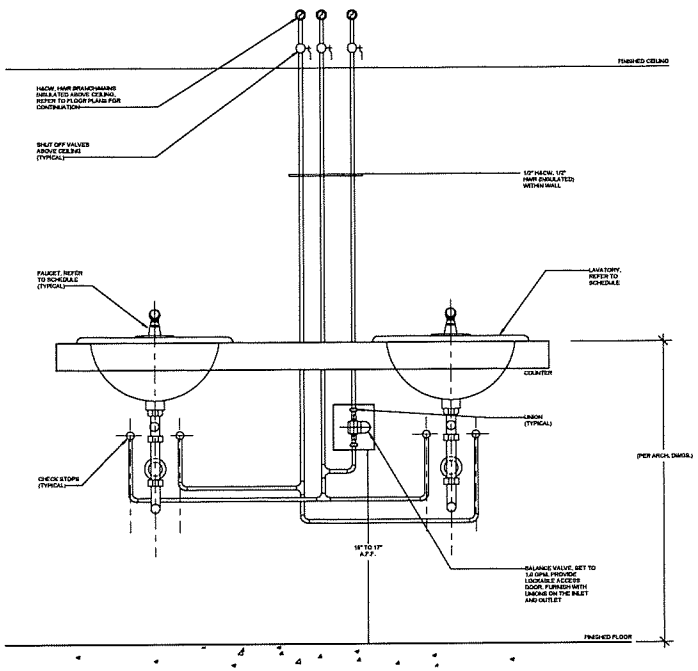

NOTES:
1. THIS DETAIL IS INTENDED TO SHOW THE GENERAL INTENT OF THE HOT WATER CIRCULATION PIPING TO A FIXTURE, NOT ALL FIXTURE REQUIREMENTS, FITTINGS AND DEVICES ARE SHOWN.
2. IF THE HOT WATER DISTRIBUTION TEMPERATURE EXCEEDS 120°, THE PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL A POINT OF USE MIXING VALVE ON THE HOT WATER SUPPLY AND LIMIT THE TEMPERATURE TO 110°F. MIXING VALVE SHALL BE INSTALLED BEHIND A LOCKABLE ACCESS DOOR.

1 LOW FLOW FAUCET PIPING DIAGRAM
NTS

PLUMBING FIXTURE SCHEDULE

SYMBOL	MANUFACTURER/ MODEL NUMBER	DESCRIPTION OF FIXTURE	TRIM AND ACCESSORIES	REMARKS
L-1	AMERICAN STANDARD "LUCERNE" MODEL #0356.012	LAVATORY: ACCESSIBLE, WALL MOUNTED. FAUCET HOLE ON 4" CENTERS, VITREOUS CHINA, FRONT OVERFLOW, SELF RIMMED.	SYMMONS "ORIGINE" MODEL # S-4610-.5-0 FAUCET, 0.5 GPM, GRID DRAIN ASSEMBLY.	#1,2,3,4,5,7
WC-1	AMERICAN STANDARD "ADWALL" MODEL #3361.101.020	WATER CLOSET: ACCESSIBLE, WALL HUNG, ELONGATED BOWL, VITREOUS CHINA, 1 1/2" TOP SPUD, 1.1 - 1.6 GPF.	SLOAN MODEL # WES-111 DUAL FLUSH VALVE, 1.1GPF AND 1.6GPF, WITH INTEGRAL STOP AND VACUUM BREAKER, CHUNCH SEAT OPEN FRONT, WHITE SEAT, WALL SUPPORT JR SMITH 0356 SERIES	#1,3,4,5,6,8
WC-2	AMERICAN STANDARD "ADWALL" MODEL #3361.101.020	WATER CLOSET: STANDARD WALL HUNG, ELONGATED BOWL, VITREOUS CHINA, 1 1/2" TOP SPUD, 1.1 - 1.6 GPF.	SLOAN MODEL # WES-111 DUAL FLUSH VALVE, 1.1GPF AND 1.6GPF, WITH INTEGRAL STOP AND VACUUM BREAKER, CHUNCH SEAT OPEN FRONT, WHITE SEAT, WALL SUPPORT JR SMITH 0356 SERIES	#1,4,5,6,8
U-1	AMERICAN STANDARD "WASHBROOK" MODEL #6590.001.020	URINAL: ACCESSIBLE, WALL HUNG, VITREOUS CHINA, 3/4" TOP SPUD, 0.125 MAX GPF.	SLOAN MODEL #186-0.125 FLUSH VALVE, 0.125GPF VALVE WITH INTEGRAL STOP AND VACUUM BREAKER, STRAINER, WALL SUPPORT JR SMITH MODEL # 0430.	#1,3,4,5,8

REMARKS:
1. COLOR AS SELECTED BY THE ARCHITECT. PROVIDE SAMPLES.
2. INSTALL TRUEGRO INC. MODEL #162, HANDI LAV-GUARD PROTECTOR ON THE HOT, COLD, AND DRAIN PIPING UNDER FIXTURE.
3. FIXTURES AND TRIM AS NOTED SHALL BE "ACCESSIBLE" AND SHALL BE INSTALLED TO ADA / ANSI A117 AND FEDERAL ADA REQUIREMENTS.
4. PROVIDE ISOLATION VALVES AT THE PIPE CONNECTIONS.
5. PROVIDE ISOLATION VALVES AND STOPS AT THE PIPE CONNECTIONS. LOCATE ABOVE AN ACCESSIBLE CEILING.
6. REFER TO ARCHITECTURAL DRAWING FOR FIXTURE MOUNTING HEIGHTS.
7. FAUCET SHALL NOT LOCATED WITHIN 12" OF EDGE. COORDINATE WITH ARCHITECTURAL DRAWINGS.
8. COORDINATE WITH ARCHITECT FLUSH VALVE INSTALLATION AND WITH GRAB BARS AND TOILET ACCESSORIES.

PLUMBING FIXTURE CONNECTION SCHEDULE

FIXTURE TYPE	WASTE CONNECTION	VENT CONNECTION	COLD WATER CONNECTION	HOT WATER CONNECTION	TEMPED WATER
DRINKING FOUNTAIN	1 1/2"	1 1/2"	1/2"	-	-
DRINKING FOUNTAIN (2 BOWL)	1 1/2" (2)	1 1/2" (2)	1/2" (2)	-	-
EMERGENCY SHOWER	-	-	3/4"	3/4"	1"
JANITORS MOP BASIN	3"	1 1/2"	1/2"	1/2"	-
LAVATORY	1 1/2"	1 1/2"	1/2"	1/2"	-
SINK	1 1/2"	1 1/2"	1/2"	1/2"	-
URINAL	2"	1 1/2"	3/4"	-	-
WATER CLOSET (FLUSH VALVE)	4"	2"	1 1/2"	-	-
HOSE BIB (CW ONLY)	-	-	1/2"	-	-
HOSE BIB (CW & HW)	-	-	1/2"	1/2"	-

NOTES:
1. REFER TO ARCHITECTURAL DRAWINGS FOR ALL PLUMBING FIXTURE MOUNTING HEIGHTS.
2. ALL PIPE TRAPS AT SINKS AND LAVATORIES SHALL BE CHROME PLATED BRASS.

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SUFFIELD TOWN HALL

SUFFIELD, CT.
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PLUMBING SCHEDULES AND DIAGRAMS

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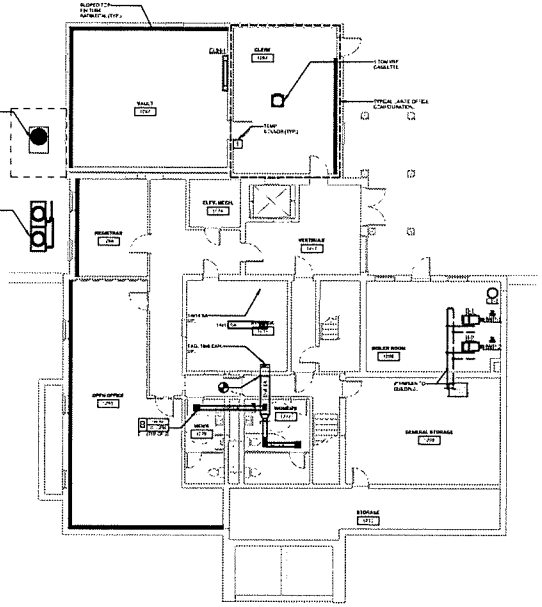
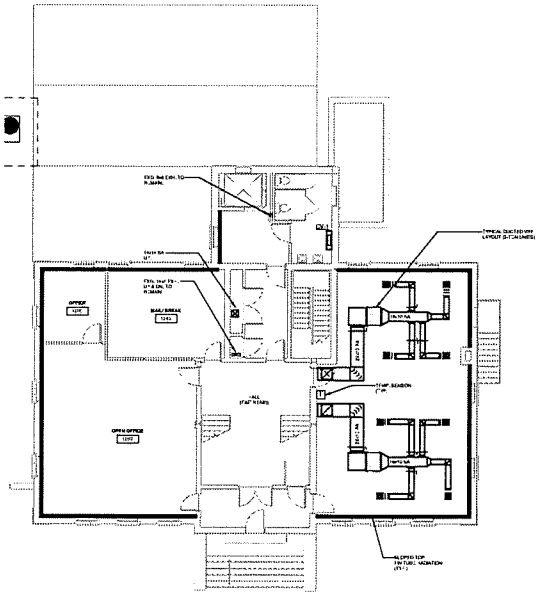
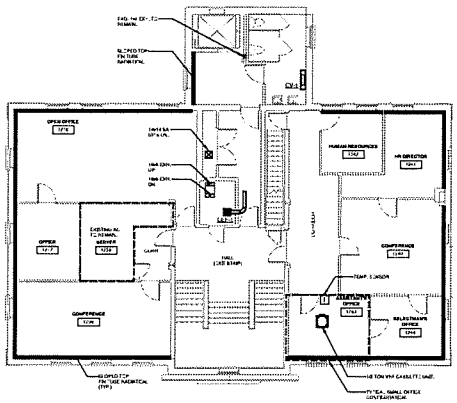


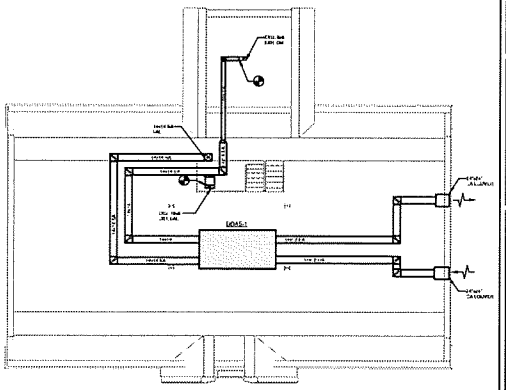
1 BASEMENT LEVEL MECHANICAL PLAN OPTION E
1/8" = 1'-0"



2 GROUND LEVEL MECHANICAL PLAN OPTION E
1/8" = 1'-0"



3 UPPER LEVEL MECHANICAL PLAN OPTION E
1/8" = 1'-0"



4 ATTIC LEVEL MECHANICAL PLAN
1/8" = 1'-0"

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MECHANICAL FLOOR PLANS

M1.00

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DOAS UNIT SCHEDULE

SYMBOL	MFR MODEL NO	SUPPLY FAN DATA: NO. SA FANS	CFM	ESP (IN WG)	TSP (IN WG)	SPEED (RPM)	MOTOR DATA: BHP	HP	VOLTS	PH	COOLING COIL SECTION	HEATING COIL SECTION	CTW	EXHAUST / RETURN FAN DATA: NO. FANS	CFM	ESP (IN WG)	SPEED (RPM)	MOTOR DATA: BHP	HP	VOLTS	PH	UNIT FLEXIBILITY (SINGLE POINT CONN.): 112	MCA	MOCP*	OUTDOOR AIR (CFM) MIN/MAX	OPERATING WEIGHT (LBS)	REMARKS
DOAS-1	RENEWAIRE -	1	800	1.0	-	-	-	-	208	3	DX01	HWC-1	CC-1	1	800	-	-	-	-	208	3	50	21.8	30	400	2,800	ALL

1. FILTERS SHALL BE NEW AT START-UP. FACE VELOCITY SHALL BE MAXIMUM 450 FPM.
2. PROVIDE WITH STAINLESS STEEL DRAIN PAN AT COOLING COILS.
3. PROVIDE WITH (N) MAR, HOOK AND LIFRAIN + HOOK MAX 30" DEEP OF 1 FACE OF ARE FOR, INTAKE AND 30 HOUR 1 SHALL NOT BE ON SAME FACE OF UNIT.
4. PROVIDE CUSTOM ADAPTER CURB MATCHED TO EXISTING STRUCTURE. CONFIRM DIMENSIONS IN FIELD.
A. LENGTH OF UNIT SHALL MATCH SUPPORT FRAMING AND SHALL MATCH OPENINGS FOR SUPPLY AIR AND RETURN APPROXIMATE AIR LEAKAGE ON THE MECHANICAL FLOOR PLAN AND ARCHITECTURAL DRAWINGS.
6. PROVIDE 2" MERV 8 FILTERS AT THE EXHAUST STREAM AND OUTSIDE AIR STREAM ENTERING THE FRONT PLATE.
7. PROVIDE PACKAGED FACTORY CONTROLS.
8. PROVIDE WITH LIGHTS IN WORK SURFACE.

CONDENSATE DRAIN SCHEDULE

UNIT TYPE	PIPE SIZE	NOTES
DOAS-1	1 1/2"	1, 2
AC	3/4"	1, 2

REMARKS
1. PROVIDE PIPE TRAP AT CONNECTION TO UNIT.
2. INSTALL CONDENSATE DRAIN TO ARE AWAY FLOOR DRAIN.
3. INSTALL CONDENSATE DRAIN PIPE TO NEAREST FLOOR DRAIN.

HOT WATER CABINET UNIT HEATER SCHEDULE

SYMBOL	MANUFACTURER MODEL NUMBER	TYPE	CAPACITY (MBH)	COIL FLOW (GPM)	COIL PD (FT HD)	EWT (°F)	LWT (°F)	AIR FLOW (CFM)	ELECTRICAL DATA: HP	VOLTAGE	PHASE	DRAWER FRAME SIZE	WEIGHT (LBS)	REMARKS
UH-1	MODINE MODEL FC SIZE 53	H	24.0	4.7	0.6	140	60	1,120	1/12	120	1	1"	50	1,2,4
CUH-1	AIREMIL MODEL FC SIZE 52 ARRANGEMENT 08	V	12.4	2.4	0.7	140	60	250	0.02	120	1	3/4"	110	2,3,4

UH TYPES: H = HORIZONTAL, V = VERTICAL
CUH TYPES: F = FLOOR MOUNTED, SLOPED TOP

NOTES (APPLY TO ALL UNITS)
1. PROVIDE WITH ECM MOTORS.

REMARKS
1. PROVIDE WITH WALL BRACKET, ADJUSTABLE HORIZONTAL AND VERTICAL BLADES.
2. PROVIDE WITH (1) WIRING GUIDE, TAMPER RESISTANT ACCESS FASTENERS, TWO SPEED FAN AND 2 ROW COIL.
3. DISCONNECT SWITCH LOCATED ON UNIT.
4. RATINGS LISTED USING 30% PROPYLENE GLYCOL SOLUTION.

INDICATES UNIT HEATER NUMBER
INDICATES TYPE

HEAT PIPE COIL SCHEDULE

SYMBOL	MANUFACTURER	TYPE	TOTAL CAP (MBH)	MAXIMUM FACE VELOCITY (FPM)	AIR FLOW: FLOW (CFM)	EAT (°F)	LAT (°F)	PD (IN WG)	WB EAT (°F)	WB LAT (°F)
UPSTREAM	HPT	UM	-	-	-	-	-	-	-	-
DWNSTREAM	HPT	UM	-	-	-	-	-	-	-	-

TYPES
UM = UNIT MOUNTED

REMARKS
1. HWC-1 FLUID: 30% PROPYLENE GLYCOL SOLUTION.
2. PROVIDE WITH (N) SOLENOID VALVES FOR FULL CONTROL. COORDINATE TYPE OF CONTROL SIGNAL WITH HVAC.

CONVECTOR HEATER SCHEDULE

SYMBOL	MANUFACTURER MODEL NUMBER	TYPE	CAPACITY (MBH)	COIL FLOW (GPM)	COIL PD (FT HD)	EWT (°F)	LWT (°F)	AIR FLOW (CFM)	HANGER BRANCH SIZE	WEIGHT (LBS)	REMARKS
CH-1	AIREMIL -	V	-	-	-	140	60	-	1"	10	1,2,4

UH TYPES: H = HORIZONTAL, V = VERTICAL
CUH TYPES: F = FLOOR MOUNTED, SLOPED TOP

NOTES (APPLY TO ALL UNITS)
1. PROVIDE WITH ECM MOTORS.

REMARKS
1. PROVIDE WITH (1) WIRING GUIDE, TAMPER RESISTANT ACCESS FASTENERS, TWO SPEED FAN AND 2 ROW COIL.
2. RATINGS LISTED USING 30% PROPYLENE GLYCOL SOLUTION.

ENERGY RECOVERY SCHEDULE

SYMBOL	TYPE	WINTER (-15.0 F DESIGN): VENTILATION AIR: FI FLOW (CFM)	LAT (°F) DRYBULB	LAT (°F) DRYBULB	PD (IN WG)	EXHAUST AIR: FI FLOW (CFM)	EAT (°F) DRYBULB	PD (IN WG)	SUMMER PERFORMANCE: VENTILATION AIR: FI FLOW (CFM)	EAT (°F) DRYBULB	LAT (°F) DRYBULB	PD (IN WG)	EXHAUST AIR: FI FLOW (CFM)	EAT (°F) DRYBULB	PD (IN WG)
ER-1	ENTHALPIC CORE	800	-	-	-	800	-	-	800	91.0/74.0	-	-	800	-	-

NOTES:
1. PRESSURE DROP DATA IS MAXIMUM PER SIDE DROP ACROSS ENTIRE ENERGY RECOVERY SECTION.
2. WHEEL SHALL EXCHANGE BOTH SENSIBLE AND LATENT HEAT.

AIR COOLED CONDENSING UNIT SCHEDULE

SYMBOL	MANUFACTURER MODEL NUMBER	SYSTEM (ALL NOTE 1)	REFRIGERANT	FFN	TOTAL CAP (MBH)	SENS CAP (MBH)	SUCTION TEMP (°F)	AMBIENT AIR TEMP	ELECTRICAL DATA: MCA	VOLTS	PHASE	WEIGHT (LBS)	REMARKS
CU-1	RENEWAIRE -	DOAS-1	R410A	-	-	-	45	95	-	208	3	-	1,2,3

REMARKS
1. PROVIDE WITH UNIT MOUNTED FUSED DISCONNECT SWITCH. MCA IS RATED.
2. PROVIDE WITH FILTER DRYER, EXPANSION VALVE, SOLENOID VALVE, SIGHT GLASS, INTERNAL PRESSURE RELIEF, AND ACCESSORY VALVES.
3. REFRIGERANT LINES SHALL BE SIZED BY THE UNIT MANUFACTURER.

HOT WATER COIL SCHEDULE

SYMBOL	MANUFACTURER	TYPE	TOTAL CAP (MBH)	MAXIMUM FACE VELOCITY (FPM)	AIR SIDE: FLOW (CFM)	EAT (°F)	LAT (°F)	PD (IN WG)	WATER SIDE: FLOW (GPM)	EWT (°F)	LWT (°F)	PD (FT HD)
HWC-1	BRAINWARE	UM	-	400	800	-	-	-	-	140	160	-

TYPES
UM = UNIT MOUNTED
DM = DUCT MOUNTED

REMARKS
HWC-1 FLUID: 30% PROPYLENE GLYCOL SOLUTION

DIFFUSER AND REGISTER SCHEDULE

SYMBOL	MANUFACTURER MODEL NUMBER	DUTY	TYPE	BORDER TYPE	CONSTRUCTION: DIFF	FRAME	BLADES	MAX NC	REMARKS
A	KRUEGER 81	SUPPLY	LF	NOTE #7	-	STEEL	STEEL	24	1
B	KRUEGER 580	RETURN EXHAUST	LF	NOTE #7	-	STEEL	STEEL	24	-
C	KRUEGER 880	SUPPLY	LF	FLUSH	-	STEEL	STEEL	24	-
D	KRUEGER 880	RETURN EXHAUST	HD	FLUSH	-	STEEL	STEEL	24	3
E	EXISTING DIFFUSER OR GRILLE	-	-	-	-	STEEL	STEEL	24	3
F	KRUEGER SERIES 1500	SUPPLY	LD	VARIES	-	ALUMINUM	ALUMINUM	27	4
G	KRUEGER SERIES 1500	RETURN	LD	VARIES	-	ALUMINUM	ALUMINUM	27	8
H	KRUEGER SERIES 1500	SUPPLY	LD	VARIES	-	ALUMINUM	ALUMINUM	27	7
I	KRUEGER SERIES 1500	SUPPLY	FLD	VARIES	-	ALUMINUM	ALUMINUM	27	7

TYPES
DH - DIRECTIONAL DIFFUSER
HD - HEAVY DUTY
LF - LOUVER FACE
LD - LINEAR DIFF
LH - LINEAR HOLE
FLD - FLOOR LINEAR DIFF

INDICATES DIFFUSER
A | 12x12 | 200
INDICATES NECK SIZE
INDICATES UNIT CFM CAPACITY

REMARKS
1. REWORK TO NOVO TRANSITION. ALSO REFER TO FIRE DUCT REMARKS NOTES.
2. PROVIDE T-BAR MOUNTING FOR NECK SIZES 18X18 AND LARGER. PROVIDE FLANGE MOUNTING FOR SIZES LESS THAN 18X18.
3. 10" FLARE SPACING, 30" FLARE, CLASS 1 SECTION, 14 GAGE BLADES, 16 GAGE FRAME.
4. RE-BALANCE EXISTING DIFFUSERS TO AIRFLOW SHOWN ON THE PLAN DRAWINGS.
5. CEILING ATTACHMENTS SHALL BE 1/2" DIA.
6. 22" DIA ADD THROAT AS 9" NOMINAL DUCT WIDTH, 45 DEGREE DEFLECTION.
7. 22" FLARE THROAT AS 9" NOMINAL DUCT WIDTH, 45 DEGREE DEFLECTION.

BOILER SCHEDULE

SYMBOL	MANUFACTURER MODEL NUMBER	MEDIA	OUTPUT (MBH)	INPUT (MBH)	MINIMUM FLOW	FUEL DATA: TYPE	RATE (MBH)	PRESSURE (IN. WC)	WATER CONTENT (GALS)	OPERATING WEIGHT (LBS)	ELECTRICAL: MOCP	VOLTS	PHASE
B-1	APCX APX3.2G	WATER	-	400	-	NG	-	4-14	-	-	-	120	1
B-2	APCX APX3.2G	WATER	-	400	-	NG	-	4-14	-	-	-	120	1

REMARKS
1. BURNER TURNDOWN SHALL 5:1.
2. OUTPUT RATING BASED ON 80°F RETURN WATER TEMP.
3. PROVIDE FACTORY MOUNTED DISCONNECT SWITCH.
4. PROVIDE WITH ELECTRIC AIR VENT.
5. PROVIDE WITH MANUFACTURERS BMS INTERCONNECTED CONTROLLER.

MEDIA
PPG 30% PROPYLENE GLYCOL/WATER SOLUTION

FIN TUBE RADIATION SCHEDULE

SYMBOL	MANUFACTURER MODEL NUMBER	CAPACITY (BTU/HLF)	AVERAGE WATER TEMPERATURE (°F)	ENCLOSURE HEIGHT	MOUNTING HEIGHT TO BOTTOM	NUMBER OF TUBES	PIPE SIZE	FIN SIZE	REMARKS
FT1	AIRFLOW F MODEL S-418	500	140	18"	4"	2	3/4"	4-1/4" x 4-1/4"	1,2,3,4

INDICATES TYPE
INDICATES LENGTH OF ACTIVE FINNED TUBE (TOTAL WIDTH TUBES)

REMARKS
1. PROVIDE SUPPORT SADDLE FOR RETURN PIPE WHERE SHOWN ON THE DRAWINGS.
2. ENCLOSURE COVER SHALL BE MINIMUM 16 GAUGE AND COMPLETELY ENCLOSE ALL PIPING, FITTINGS AND VALVES.
3. REMOVABLE COVER SECTION OR DOORS SHALL BE PROVIDED FOR ACCESS TO ISOLATION VALVES, CONTROL VALVES, DRAIN VALVES, BALANCING VALVES AND AIR VENTS.
4. PROVIDE WITH DAMPER FLAND WOOD WHERE MORE THAN ONE SECTION BETWEEN ONE TEMPERATURE SENSOR ZONE.

NOTE
1. ALL RATINGS INCLUDE 30% PPG FACTOR.

MECHANICAL ABBREVIATION LIST

ABBREVIATION	DESCRIPTION
AC-#	AIR CONDITIONING UNIT
AC	ABOVE CEILING
AF	AIR FILTER
AFF	ABOVE FINISHED FLOOR
AHU-#	AIR HANDLING UNIT
AHU	AIR HANDLING UNIT
APPROX	APPROXIMATE
AWG	AMERICAN WIRE GAUGE
BHP	BREAK HORSE POWER
BHWP	BOILER HOT WATER PUMP
BTU	BRITISH THERMAL UNIT
CAP	CAPACITY
CD	CONDENSATE DRAIN
CPD	CONDENSATE PUMPED DISCHARGE
CFM	CUBIC FEET PER MINUTE
CU-#	CONDENSING UNIT
CU FT	CUBIC FEET
CV	CONSTANT VOLUME
CW	COLD WATER
dB	DECIBELS
DB	DRY BULB
DOAS	DEDICATED OUTSIDE AIR SYSTEM
E	EXISTING TO REMAIN
EAT	ENTERING AIR TEMPERATURE
EF-#	EXHAUST FAN
ENT	ENTERING
EWT	ENTERING WATER TEMPERATURE
EWH	ENTERING WATER HEAT TRANSFER
EXH	EXHAUST
EXP	EXPANSION
EXT	EXTERNAL
°F	DEGREES FAHRENHEIT
FD	FIRE DAMPER
FLD	FLOOR DRAIN
FIFX	FIXTURE
FTM	FEET PER MINUTE
FT	FEET
FTR	FIN TUBE RADIATION
GAL	GALLON
GAL	GALLON
GPM	GALLONS PER MINUTE
GPM	GALLONS PER MINUTE
Hz	HERTZ
HD	HEAD
HR	HOURS
HP	HORSE POWER
HR	HOUR
HV-#	HEATING & VENTILATION UNIT
HVAC	HEATING, VENTILATION & AIR CONDITIONING
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
HX-#	HEAT EXCHANGER
HZ	HERTZ (CYCLES)
IN	INCH
IN.W.G.	INCHES WATER GAUGE
KW	KILOWATT
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LBS/HR	POUNDS PER HOUR
LF	LINEAR FEET
LWT	LEAVING WATER TEMPERATURE
MBH	1000 BTU PER HOUR (THOUSAND)
MIN	MINIMUM
MBV	MANUAL BALANCING VALVE
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
N.T.S.	NOT TO SCALE
NFA	NOT APPLICABLE
NC	NOISE CRITERIA
NRC	NOT IN CONTRACT
NL	NEW LOCATION
OA	OUTSIDE AIR
PD	PRESSURE DROP (FEET OF WATER OR INCHES OF WATER)
PT	TEMPERATURE
PG	PROPYLENE GLYCOL
PRV	PRESSURE RELIEF
PRESS	PRESSURE
PSIG	POUNDS PER SQUARE INCH GAUGE
RA	RETURN AIR
RH	RELATIVE HUMIDITY
HLA	HIGH LEAKAGE HYPASS
HLA	HIGH LEAKAGE HYPASS
RPM	REFRIGERANT DISCHARGE
R	REFRIGERANT DISCHARGE
REL	REFRIGERANT DISCHARGE LINE
RLL	REFRIGERANT LIQUID LINE
RRL	REFRIGERANT LINE
RSL	REFRIGERANT SUCTION LINE
RVD	REMOTE VOLUME DAMPER
SA	SUPPLY AIR
SAV	SOUND ATTENUATOR SERVING VAV BOX OR VRV UNIT
SAT-#	SOUND ATTENUATOR
SHWP	SECONDARY HOT WATER PUMP
SP	STATIC PRESSURE
SQ.FT.	SQUARE FEET
TD	TRANSFER DUCT
TYP	TYPICAL
UH-#	UNIT HEATER
VAV-#	VARIABLE AIR VOLUME BOX
VD	VOLUME DAMPER
VEL	VELOCITY
VOL	VOLUME
WB	WET BULB
VRV or VRF	VARIABLE REFRIGERANT FLOW

GENERAL NOTES

1. NOTES APPLY TO ALL DRAWINGS.
2. ALL LOAD WORK CONNECTIONS TO EQUIPMENT SHALL BE MADE WITH FLEXIBLE WORK CONNECTIONS AT MAXIMUM 48" LENGTH. LOWER PLENUM AND DUCT CONNECTIONS SHALL BE WATER TIGHT FROM BOTTOM TO WEEP HOLES IN BOUNDER.
3. PROVIDE UNISTRUT FRAMES TO SUPPORT ALL VFDS.
4. AT ALL HOT WATER SUPPLY AND RETURN MAINS 1-1/2" PIPE SIZE AND LARGER, WHERE LENGTH OF STRAIGHT RUN EXCEEDS 1 FOOT, PROVIDE PIPE EXPANSION LOOP.
5. HANGER AND CHANGER BRANCH PIPING SHALL BE MINIMUM 3/4" DIAMETER.
6. AT ALL DUCTWORK THAT PENETRATE 1 HOUR RATED FIRE BARRIERS FLEXIBLE DUCT SHALL NOT BE INSTALLED.
7. AT ALL DUCTWORK THAT PENETRATES 1 HOUR RATED FIRE BARRIERS DUCTWORK SHALL BE IDENTIFIED WITH COLOR CODED STENCIL.

HVAC DUCTWORK LEGEND

SYMBOL	DESCRIPTION
	REMOVE EXISTING DUCTWORK/EQUIPMENT
	ACCESSIBLE 1 HRFR DUCTWORK (DOUBLE LINE)
	FLEXIBLE DUCTWORK
	EXISTING DUCTWORK (DOUBLE LINE)
	EXISTING DUCTWORK (SINGLE LINE)
	NEW DUCTWORK (DOUBLE LINE)
	NEW DUCTWORK (SINGLE LINE)
	EXHAUST DUCT DROP (DOUBLE LINE)
	EXHAUST DUCT DROP (SINGLE LINE)
	EXHAUST DUCT RISE (DOUBLE LINE)
	EXHAUST DUCT RISE (SINGLE LINE)
	RETURN DUCT DROP (DOUBLE LINE)
	RETURN DUCT DROP (SINGLE LINE)
	RETURN DUCT RISE (DOUBLE LINE)
	RETURN DUCT RISE (SINGLE LINE)
	SUPPLY DUCT DROP (DOUBLE LINE)
	SUPPLY DUCT DROP (SINGLE LINE)
	SUPPLY DUCT RISE (DOUBLE LINE)
	SUPPLY DUCT RISE (SINGLE LINE)
	VOLUME DAMPER
FD	FIRE DAMPER
FSD	COMBINATION FIRE & SMOKE DAMPER
MD	MOTORIZED DAMPER
SD	DUCT MOUNTED SMOKE DETECTOR
	RETURN/EXHAUST/OUTSIDE AIR ARROW
	SUPPLY ARROW
UD	UNDERCUT DOOR
	CONNECTION TO EXISTING
	SUPPLY DIFFUSER
	RETURN/EXHAUST REGISTER
	ACCESS DOOR

PIPING LEGEND

SYMBOL	DESCRIPTION
HWS	HOT WATER SUPPLY
HWR	HOT WATER RETURN
CD	CONDENSATE DRAIN
CPD	CONDENSATE PUMP DISCHARGE
	GATE VALVE
	BALL VALVE
	GLOBE VALVE
	BUTTERFLY VALVE
	CHECK VALVE
	UNION
	STRAINER WITH VALVED BLOWDOWN
PA	PIPE ANCHOR
	MANUAL BALANCE VALVE
A	AUTOMATIC AUTO FLOW BALANCE VALVE
	PIPE DROP
	PIPE RISE

FAN SCHEDULE

SYMBOL	MANUFACTURER MODEL NUMBER	TYPE	SERVING	AIR FLOW RATE (CFM)	SP (IN WG)	FAN SPEED (RPM)	DWDI	BHP	MOTOR DATA: HP	VOLTS	PH	WEIGHT (LBS)	REMARKS
EF-1	LOREN COOK / -	CF	BATHROOM	75	0.25	-	D	-	-	120	1	-	ALL

TYPE
B = BLOWER
HPDF = HIGH PLUME DISCHARGE FAN
CUF = CENTRIFUGAL UTILITY FAN
RMDF = ROOF MOUNTED DOWNBLAST FAN
RMUF = ROOF MOUNTED UPBLAST FAN
CF = CEILING FAN

DRIVE
B = BELT DRIVE
D = DIRECT DRIVE

NOTE
1. FOR DAMPER SPEC, REFER TO SPECSECTION 230900.

REMARKS
1. FOR SPECIFICATION ON DISCONNECT SWITCH REFER TO ELECTRICAL DRAWINGS.
2. PROVIDE WITH VIBRATION ISOLATION SPRING AND HANGER.
3. PROVIDE VFD FOR FAN.

PUMP SCHEDULE

SYMBOL	MANUFACTURER MODEL NUMBER	TYPE	LOCATION	SYSTEM SERVING	MEDIA	FLOW RATE (GPM)	HEAD (FT)	FLUID TEMP (°F)	PUMP EFF (%)	BHP	MOTOR DATA: HP	RPM	VOLTS	PHASE
P-1	ARMSTRONG / -	B	BOILER ROOM	HOT WATER	WATER	-	75	140	-	-	-	1750	208	3
P-2	ARMSTRONG / -	B	BOILER ROOM	HOT WATER	WATER	-	75	140	-	-	-	1750	208	3
CP-A	LITTLE GIANT VLS-14LA	IL	MECH ROOM	CONDENSATE	WATER	-	3	100	-	-	1/60	1750	120	1

TYPE
CB = END SUCTION
CC = CLOSE COUPLED
B = BASE

MEDIA
PPG 30% PROPYLENE GLYCOL/WATER SOLUTION
1. PROVIDE INTEGRAL FACTORY MOUNTED VIBRATION CHECK VALVE FOR EACH PUMP.

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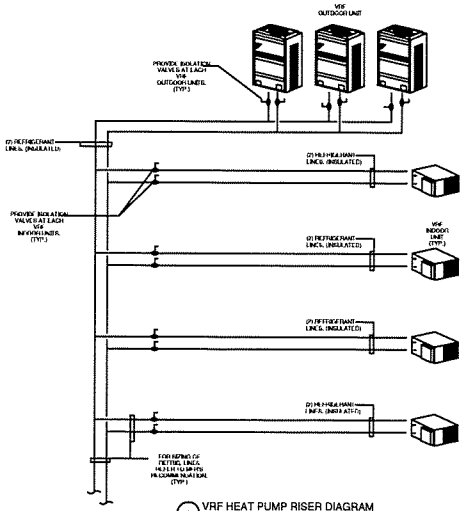

1 VRF HEAT PUMP RISER DIAGRAM
N.T.S.

NOTE: BRANCH CONTROLLER AND ADDITIONAL PIPING REQUIRED FOR HEAT RECOVERY VRF SYSTEM. MATCH BY SYSTEM MANUFACTURER.

VARIABLE REFRIGERANT FLOW-INDOOR UNIT SCHEDULE

SYMBOL	MANUFACTURER MODEL NUMBER	TYPE	FAN DATA CFM	COOLING CAPACITY TOTAL (BTUH)	HEATING CAPACITY TOTAL (BTUH)	ELECTRICAL DATA MCA	MFA	VOLTS	PH	FACE PANEL
A	MITSUBISHI PEFY-P24NMSU-E	W	600	24,000	27,000	0.6	-	208-230	1	
B	MITSUBISHI PLFY-P36NCMU-E	C	410	34,000	37,000	2.3	15	208-230	1	22"X22" TO FIT IN T-BAR GRID
C	MITSUBISHI PLFY-P15NCMU-E	C	350	12,000	14,000	1.6	15	208-230	1	24"X24" TO FIT IN T-BAR GRID
D	MITSUBISHI PKFY-P12NMAU	W	300	12,000	13,500	0.4	-	208-230	1	
E	MITSUBISHI PEFY-P06NMSU-E3	W	470	7,500	8,000	0.4	-	208-230	1	
F	MITSUBISHI PEFY-P06NMSU-E	F	230	6,000	6,800	0.34		208-230	1	
G	MITSUBISHI PLA0-A12AA7	D	560	12,000	14,000	1.45	-	208-230	1	
H	MITSUBISHI PLA0-A24AA7	D	740	24,000	28,000	2.62	-	208-230	1	

REMARKS:
1. INDOOR UNITS TO BE FURNISHED WITH INTERNAL CONDENSATE DRAIN PUMP AND SECONDARY FLOAT SWITCH (FACTORY INSTALLED).
2. PROVIDE UNIT WITH MICROPROCESSOR CONTROL SYSTEM TO BE INTERFACED WITH THE DDC SYSTEM.
3. PROVIDE SUPPORT STRUCTURE AGAINST BEHIND DDC SENSORS.
4. COOLING CAPACITY AT 95 - 75/67 DB/WB.
5. HEATING CAPACITY AT 47 - 43/42 DB/WB.
6. UNITS HAVE FAN SPEED HIGH, LOW, OFF.
7. DESIGNATE LOCATIONS WITH ARCHITECTURAL DRAWINGS.
8. INDOOR UNITS SHALL OPERATE AT LOW SPEED SETTING.
9. VRF IS OPERATED AT LOW SPEED SHALL RESULT IN MAX 35 dBa IN THE SPACE.

INDICATES OUTDOOR UNIT NUMBER
INDICATES INDOOR UNIT NUMBER
F VRF 2-1
INDICATES VRF SYMBOL

TYPE
D - DUCTED
W - WALL MOUNTED
C - CEILING CASSETTE

VARIABLE REFRIGERANT FLOW-OUTDOOR UNIT SCHEDULE

SYMBOL	AREA SERVED	MANUFACTURER MODEL NUMBER	COOLING CAPACITY (MBH)	HEATING CAPACITY (MBH)	TYPE	EER	IEER	ELECTRICAL DATA MCA	MOCP	VOLTS	PH	WEIGHT (LBS)	REMARKS
CU-VRF-1	PARISH	MITSUBISHI PLMY-P96T-MUA	96	108	HEAT PUMP	12.4	26.7	33.8	50	208	3	660	ALL
CU-VRF-2	OFFICES	MITSUBISHI PURY-P96T-MUA	96	108	HEAT RECOVERY	11.1	33.1	31.2	45	208	3	612	ALL

NOTES:
1. PROVIDE UNIT WITH LOW AMBIENT CONTROL TO -20°F. PROVIDE ACCESSORIES AND BAFFLES REQUIRED.
2. COOLING CAPACITY IS RATED AT 95°F OUTDOOR AIR.
3. CONDENSING UNITS SHALL BE FURNISHED WITH R410A REFRIGERANT FACTORY CHARGE.
4. UNITS SHALL BE MOUNTED ON 4" TALL FLAGSTAFF PRODUCTS WITH VIBRATION ISOLATION. REFER TO SPECIFICATIONS FOR DETAILS.
5. PROVIDE BRANCH CONTROLLER FOR HEAT RECOVERY SYSTEMS.

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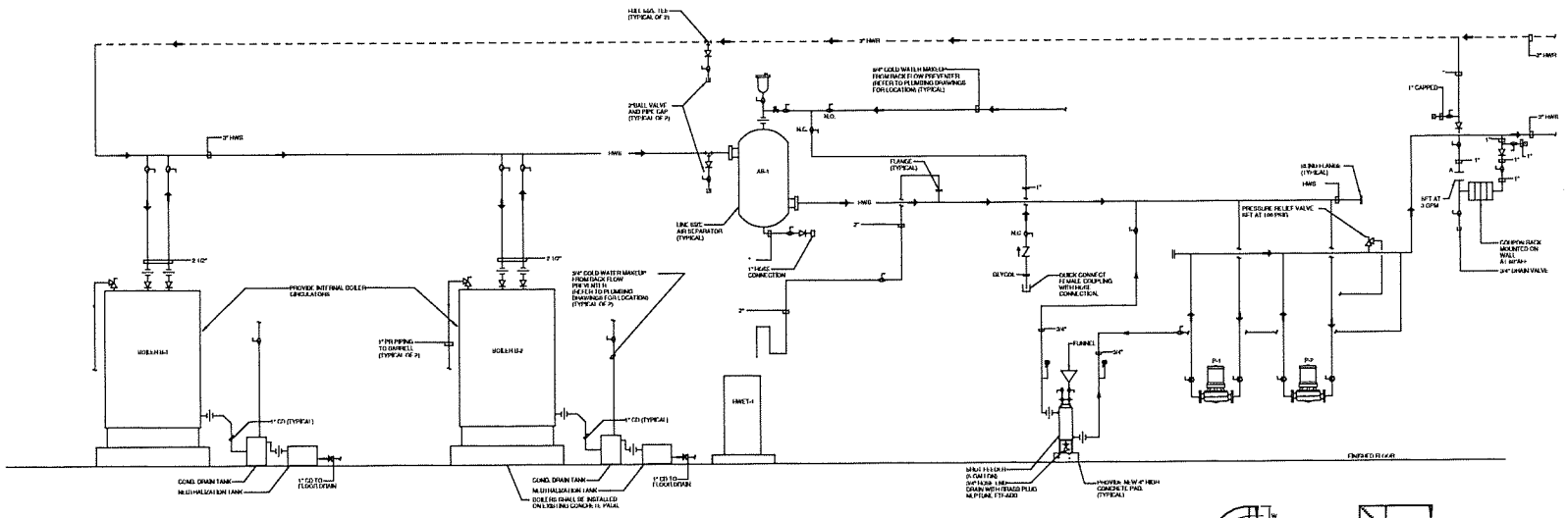
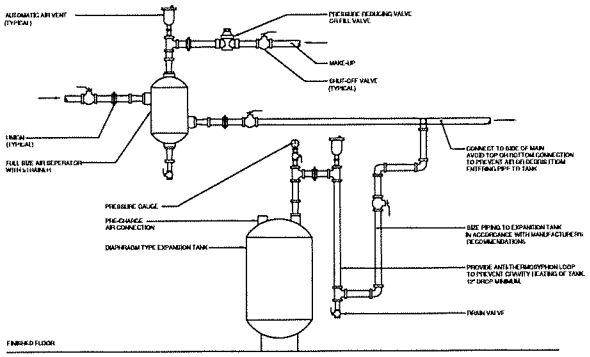


1 HOT WATER PIPING DIAGRAM
N.T.S.



2 DIAPHRAGM EXPANSION TANK PIPING DIAGRAM
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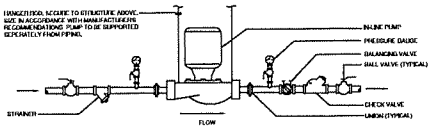

3 INLINE PUMP DETAIL
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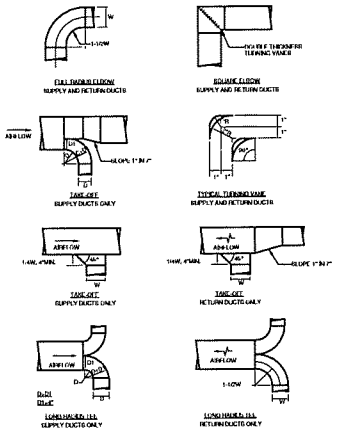

4 TYPICAL DUCT DETAILS
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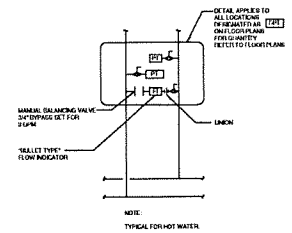

5 DIFFERENTIAL PRESSURE TRANSMITTER DETAIL
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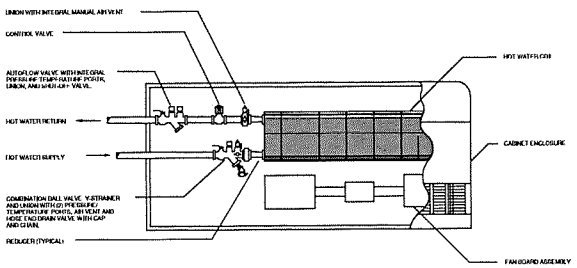

6 HOT WATER UNIT HEATER / CABINET UNIT HEATER PIPING DIAGRAM
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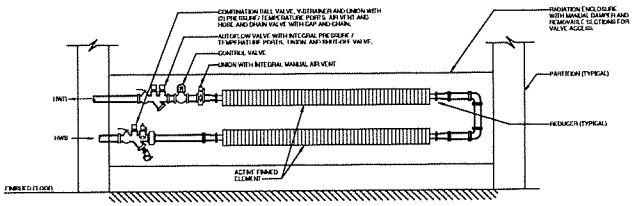

7 FIN TUBE RADIATION DETAIL
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ELECTRICAL ABBREVIATIONS

AHMP	AIR MVE	JB	JUNCTION BOX
AC	ALTERNATING CURRENT	KCMIL	THOUSAND CIRCULAR MILS
ACB	AIR CIRCUIT INTERRUPTER	KVA	KILOVOLT AMPERE
ACU	AIR CONDITIONING UNIT	KW	KILOWATT
AFF	ABOVE FINISHED FLOOR	LAV	LAVATORY
AFG	ABOVE FINISHED GRADE	MAU	MAKE UP AIR UNIT
AHU	AIR HANDLING UNIT	MCB	SMALL CIRCUIT BREAK ER
AIC	AMPS INTERRUPTING CURRENT	MCC	MOTOR CONTROL CENTER
AL	ALUMINUM	MCCB	MOLDED CASE CIRCUIT BREAKER
ATS	AUTOMATIC TRANSFER SWITCH	MH	METAL HALIDE
AWG	AMERICAN WIRE GUAGE	MIN	MINIMUM
BMS	BUILDING	MLO	MAIN LUGS ONLY
C	CONDUIT	MN	MAIN NEUTRAL
CATV	CABLE TELEVISION	NEC	NATIONAL ELECTRIC CODE
CKT	CIRCUIT BREAK ER	NIC	NOT IN CONTRACT
CLT	CIRCUIT	NL	NEW LOCATION OF EXISTING RELOCATED
COMP	COMPRESSOR	NR	NEW TO REPLACE EXISTING
CP	CONDENSATE PUMP	NTS	NOT TO SCALE
CT	CURRENT TRANSFORMER	P	POLE
CU	CONDENSING UNIT COPPER	PE	PRIMARY ELECTRICAL SERVICE
CUH	CABINET UNIT HEATER	PF	POWER FACTOR
D	DEGREE	PHASE	PHASE
DAMP	DAMPER	PHASE	PHASE
DN	DOWN	PVC	POLYVINYL CHLORIDE CONDUIT
DWG	DRAWING	RE	REMOVE EXISTING
EXIST	EXISTING TO REMAIN	RGS	RIGID GALVANIZED STEEL CONDUIT
EF	EXHAUST FAN	RL	RELOCATE EXISTING
ELEC	ELECTRICAL	RM	ROOM
ELEV	ELEVATOR	RR	REMOVE AND REPLACE ON NEW SURFACE
EMT	ELECTRIC METALLIC TUBING	RTU	ROOFTOP UNIT
EUH	ELECTRIC UNIT HEATER	SE	SECONDARY ELECTRICAL SERVICE
EWC	ELECTRIC WATER COOLER	SPEC	SPECIFICATION
EWH	ELECTRIC WATER HEATER	SWBD	SWITCHBOARD
F	FAHRENHEIT	SPD	SURGE PROTECTION DEVICE
FA	FIRE ALARM	TELE	TELECOMMUNICATIONS/TELEPHONE
FACP	FIRE ALARM CONTROL PANEL	TV	TELEVISION
FC	FOOT CANDLE	TRANS	TRANSFORMER
FCU	FAN COIL UNIT	TYP	TYPICAL
G	GROUND	UH	UNIT HEATER
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	UNO	UNLESS
HP	HORSE POWER	VA	VOLT AMPERE
HPS	HIGH PRESSURE SODIUM	VAC	VOLTS ALTERNATING CURRENT
HZ	HERTZ	W	WATT WIRE
HC	HERTZ	WG	WIRE GUARD
IG	ISOLATED GROUND	WP	WEATHERPROOF
IN	INCHES		

ELECTRICAL NOTES

GENERAL FIRE ALARM NOTES

1. THE SCOPE OF WORK FOR THIS PROJECT IS TO PROVIDE A NEW NFPA 72 COMPLIANT FIRE ALARM SYSTEM THROUGHOUT THE PROJECT AREAS OF WORK.
2. COORDINATE DEVICE LOCATIONS WITH THE ARCHITECTURAL PLANS AND THE WORK OF ALL OTHER DIVISIONS.
3. COORDINATE FIRE ALARM INTERFACE REQUIREMENTS WITH:
   A. DIV.8 - DOOR HARDWARE, CEILING DOORS, OVERHEAD DOORS.
   B. DIV. 14 - ELEVATORS
   C. DIV. 21 - FIRE SUPPRESSION SYSTEMS
   D. DIV. 23 - HVAC SYSTEMS
   E. DIV. 27 - PUBLIC ADDRESS, AUDIO VISUAL AND SPECIALIZED SOUND SYSTEMS.
   F. DIV. 28 - SECURITY SYSTEMS
   G. FOOD SERVICE EQUIPMENT

   FAILURE TO COORDINATE INTERFACE REQUIREMENTS WILL NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO COMPLETE THE WORK.

GENERAL TELECOMMUNICATIONS SYSTEM NOTES

1. THE SCOPE OF WORK FOR THIS PROJECT IS TO PROVIDE THE INFRASTRUCTURE, WIRING, AND STATION OUTLETS TO SUPPORT THE INSTALLATION OF TELECOMMUNICATIONS EQUIPMENT PROVIDED UNDER DIV. 27 AND BY THE OWNER.
2. INFRASTRUCTURE REQUIREMENTS INCLUDE:
   A. BACKBOXES AND PATHWAYS TO ABOVE AN ACCESSIBLE CEILING AT DEVICE LOCATIONS.
   B. PATHWAYS (SLEEVES) THROUGH PARTITIONS AND FLOORS FOR TELECOMMUNICATIONS WIRING.
   C. PATHWAYS ACROSS INACCESSIBLE CEILINGS FOR TELECOMMUNICATIONS WIRING.
   D. POWER FOR EQUIPMENT.
   E. TELECOMMUNICATIONS WIRING, STATION OUTLETS, TERMINATIONS, AND TESTING.
3. COORDINATE DEVICE LOCATIONS WITH THE ARCHITECTURAL PLANS AND THE WORK OF ALL OTHER DIVISIONS.
4. MEET WITH THE TELECOMMUNICATIONS CONTRACTOR PRIOR TO PROVIDING ANY INFRASTRUCTURE REQUIREMENTS TO COORDINATE WORK. SCHEDULE MEETINGS AS NECESSARY (MIN. BI-WEEKLY) TO COORDINATE WORK AND SCHEDULE SEQUENCE OF WORK.

   FAILURE TO COORDINATE INFRASTRUCTURE REQUIREMENTS WILL NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO COMPLETE THE WORK.

GENERAL PUBLIC ADDRESS AND MASTER CLOCK SYSTEM NOTES

1. THE SCOPE OF WORK FOR THIS PROJECT IS TO PROVIDE A NEW PUBLIC ADDRESS & MASTER CLOCK SYSTEM.
2. INFRASTRUCTURE REQUIREMENTS INCLUDE:
   A. BACKBOXES AND PATHWAYS TO ABOVE AN ACCESSIBLE CEILING AT DEVICE LOCATIONS.
   B. PATHWAYS (SLEEVES) THROUGH PARTITIONS AND FLOORS FOR SYSTEMS WIRING.
   C. PATHWAYS ACROSS INACCESSIBLE CEILINGS FOR SYSTEMS WIRING.
   D. POWER FOR EQUIPMENT.
   E. WIRING, TERMINATIONS, AND TESTING.
3. COORDINATE DEVICE LOCATIONS WITH THE ARCHITECTURAL PLANS AND THE WORK OF ALL OTHER DIVISIONS.
4. MEET WITH THE PUBLIC ADDRESS & MASTER CLOCK SYSTEM CONTRACTOR PRIOR TO PROVIDING ANY INFRASTRUCTURE REQUIREMENTS TO COORDINATE WORK. SCHEDULE MEETINGS AS NECESSARY (MIN. BI-WEEKLY) TO COORDINATE WORK AND SCHEDULE SEQUENCE OF WORK.

   FAILURE TO COORDINATE INFRASTRUCTURE REQUIREMENTS WILL NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO COMPLETE THE WORK.

GENERAL SECURITY SYSTEM NOTES

1. THE SCOPE OF WORK FOR THIS PROJECT IS TO PROVIDE THE INFRASTRUCTURE AND WIRING TO SUPPORT THE INSTALLATION OF SECURITY (ACCESS CONTROL, INTRUSION DETECTION & SURVEILLANCE CAMERA) SYSTEMS WIRING AND EQUIPMENT PROVIDED UNDER DIV. 28.
2. INFRASTRUCTURE REQUIREMENTS INCLUDE:
   A. BACKBOXES AND PATHWAYS TO ABOVE AN ACCESSIBLE CEILING AT DEVICE LOCATIONS.
   B. PATHWAYS (SLEEVES) THROUGH PARTITIONS AND FLOORS FOR SYSTEMS WIRING.
   C. PATHWAYS ACROSS INACCESSIBLE CEILINGS FOR SYSTEMS WIRING.
   D. POWER FOR EQUIPMENT.
3. COORDINATE SECURITY SYSTEM INTERFACE REQUIREMENTS WITH:
   A. DIV. 8 - DOOR HARDWARE, CEILING DOORS, OVERHEAD DOORS.
   B. DIV. 14 - ELEVATORS.
4. COORDINATE DEVICE LOCATIONS WITH THE ARCHITECTURAL PLANS AND THE WORK OF ALL OTHER DIVISIONS.
5. MEET WITH THE SECURITY SYSTEMS CONTRACTOR PRIOR TO PROVIDING ANY INFRASTRUCTURE REQUIREMENTS TO COORDINATE WORK. SCHEDULE MEETINGS AS NECESSARY (MIN. BI-WEEKLY) TO COORDINATE WORK AND SCHEDULE SEQUENCE OF WORK.

   FAILURE TO COORDINATE INFRASTRUCTURE REQUIREMENTS WILL NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO COMPLETE THE WORK.

GENERAL AV SYSTEM NOTES

1. THE SCOPE OF WORK FOR THIS PROJECT IS TO PROVIDE THE INFRASTRUCTURE AND TO SUPPORT THE INSTALLATION OF AUDIOVISUAL SYSTEMS WIRING AND EQUIPMENT PROVIDED UNDER DIV. 27 AND BY THE OWNER.
2. INFRASTRUCTURE REQUIREMENTS INCLUDE:
   A. BACKBOXES AND PATHWAYS TO ABOVE AN ACCESSIBLE CEILING AT DEVICE LOCATIONS.
   B. PATHWAYS (SLEEVES) THROUGH PARTITIONS AND FLOORS FOR SYSTEMS WIRING.
   C. PATHWAYS ACROSS INACCESSIBLE CEILINGS FOR SYSTEMS WIRING.
   D. POWER FOR EQUIPMENT.
   E. CONDUIT SYSTEM WITH DRAG LINES.
   F. INSTALLATION OF SPECIALTY BACKBOXES PROVIDED BY THE SYSTEMS CONTRACTOR.
3. COORDINATE DEVICE LOCATIONS WITH THE ARCHITECTURAL PLANS AND THE WORK OF ALL OTHER DIVISIONS.
4. MEET WITH THE AUDIOVISUAL SYSTEMS CONTRACTOR PRIOR TO PROVIDING ANY INFRASTRUCTURE REQUIREMENTS TO COORDINATE WORK. SCHEDULE MEETINGS AS NECESSARY (MIN. BI-WEEKLY) TO COORDINATE WORK AND SCHEDULE SEQUENCE OF WORK.

   FAILURE TO COORDINATE INFRASTRUCTURE REQUIREMENTS WILL NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO COMPLETE THE WORK.

ELECTRICAL SYMBOL LIST

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SURFACE MOUNTED PANELBOARD		SITE LIGHTING FIXTURE
	RECESSED PANELBOARD		EXTERIOR BUILDING MOUNTED LIGHTING FIXTURE
	DISCONNECT SWITCH		EXTERIOR BUILDING MOUNTED EMERGENCY LIGHTING FIXTURE
	FUSED DISCONNECT SWITCH		SURFACE MOUNTED FLUORESCENT EMERGENCY LIGHTING FIXTURE
	COMBINATION STARTER/DISCONNECT SWITCH		SURFACE MOUNTED FLUORESCENT LIGHTING FIXTURE
	ELECTRICAL MOTOR		PENDANT MOUNTED FLUORESCENT EMERGENCY LIGHTING FIXTURE
	TRANSFORMER		PENDANT MOUNTED FLUORESCENT EMERGENCY LIGHTING FIXTURE
	ELECTRICAL METER		RECESSED FLUORESCENT LIGHTING FIXTURE
SPD	SURGE PROTECTION DEVICE		RECESSED FLUORESCENT EMERGENCY LIGHTING FIXTURE
	BRANCH CIRCUIT WIRING, CONCEALED IN WALLS OR CEILINGS		WALL MOUNTED FLUORESCENT LIGHTING FIXTURE
	HOMERUN TO PANELBOARD. UNLESS INDICATED OTHERWISE SHALL BE CONNECTED TO A 1 POLE, 20 AMP CIRCUIT BREAKER		WALL MOUNTED FLUORESCENT EMERGENCY LIGHTING FIXTURE
	BRANCH CIRCUIT WIRING, SWITCHED		FLUORESCENT INDUSTRIAL OR STRIP TYPE FIXTURE
	CONDUIT RUN ON SURFACE OF WALLS/CEILING		TRACK LIGHTING, HEADS AS INDICATED ON DRAWINGS
	BRANCH CIRCUIT WIRING BELOW GRADE/SLAB		RECESSED DOWNLIGHT FIXTURE
PE	UNDERGROUND PRIMARY ELECTRICAL SERVICE		RECESSED DOWNLIGHT EMERGENCY FIXTURE
SE	UNDERGROUND SECONDARY ELECTRICAL SERVICE		SURFACE MOUNTED DOWNLIGHT FIXTURE
J	JUNCTION BOX		SURFACE MOUNTED DOWNLIGHT EMERGENCY FIXTURE
POT	FURNITURE CONNECTION, POWER / DATA / TELEPHONE		PENDANT MUNG LIGHTING FIXTURE
	WIREMOLD. LOCATE DEVICES AS INDICATED ON DRAWINGS		PENDANT MUNG EMERGENCY LIGHTING FIXTURE
	DUPLEX WALL MOUNTED RECEPTACLE		WALL SCONCE
	DOUBLE DUPLEX WALL MOUNTED RECEPTACLE		WALL WASHER
w	DUPLEX RECEPTACLE, MOUNT ABOVE COUNTER HEIGHT		WALL MOUNTED LIGHTING FIXTURE
b	DUPLEX RECEPTACLE, MOUNT 12" BELOW FINISHED CEILING		WALL MOUNTED EMERGENCY LIGHTING FIXTURE
GFI	DUPLEX RECEPTACLE WITH GROUND FAULT CIRCUIT INTERRUPTION		SELF CONTAINED EMERGENCY LIGHTING FIXTURE WITH BATTERY
WP	DUPLEX RECEPTACLE WITH WEATHERPROOF COVER		SELF CONTAINED EMERGENCY LIGHTING FIXTURE WITH REMOTE CAPABILITY
IG	DUPLEX RECEPTACLE WITH ISOLATED GROUND		REMOTE EMERGENCY HEAD
WC	DUPLEX RECEPTACLE FOR WALL MOUNTED ELECTRICAL WATER COOLER WITH GROUND FAULT CIRCUIT INTERRUPTION	EB	EMERGENCY BATTERY UNIT FOR USE WITH REMOTE LIGHTING HEADS
TP	DUPLEX RECEPTACLE, TAMPER PROOF		REMOTE DUAL HEAD EMERGENCY LIGHTING FIXTURE
	SPECIAL PURPOSE CONNECTION		WALL MOUNTED EXIT SIGN, DOUBLE FACED
	SPECIAL PURPOSE RECEPTACLE, NEMA CONFIGURATION AS INDICATED		WALL MOUNTED EXIT SIGN
	DUPLEX / TELEPHONE / DATA FLOOR OUTLET		CEILING MOUNTED EXIT SIGN
FB	FLUSH MOUNTED FLOOR JUNCTION BOX		CEILING MOUNTED EXIT SIGN, DOUBLE FACED
	TWO SECTION TELE / POWER POLE FOR POWER, TELEPHONE, AND DATA	AOR	AREA OF REFUGE COMMUNICATION DEVICE
	CEILING MOUNTED SPEAKER	AORP	AREA OF REFUGE MASTER PANEL
	WALL MOUNTED SPEAKER	FACP	FIRE ALARM CONTROL PANEL
	CLOCK	FAA	FIRE ALARM REMOTE ANNUNCIATOR PANEL
	DATA OUTLET, MOUNT 12" BELOW FINISHED CEILING	EOLD	END OF THE LINE DEVICE
	TELEPHONE OUTLET, TWO GANG BACKBOX WITH 3/4" CONDUIT STUBBED INTO AN ACCESSIBLE CEILING, PROVIDE NYLON PULL STRING AND BUSHING		WALL MOUNTED COMBINATION HORN/STROBE LIGHT WITH AN ADA 15/75 CANDELA STROBE, MOUNT AT 6'-8" AFF
	COMPUTER OUTLET, TWO GANG BACKBOX WITH 3/4" CONDUIT STUBBED INTO ACCESSIBLE CEILING, PROVIDE NYLON PULL STRING AND BUSHING		WALL MOUNTED ADA 15/75 CANDELA STROBE LIGHT ONLY
	COMBINATION TELEPHONE / COMPUTER OUTLET, TWO GANG BACKBOX WITH 3/4" CONDUIT STUBBED INTO ACCESSIBLE CEILING, PROVIDE NYLON PULL STRING AND BUSHING	KP	SECURITY SYSTEM KEYPAD
	TELEPHONE OUTLET, TWO GANG BACKBOX WITH 3/4" CONDUIT STUBBED INTO AN ACCESSIBLE CEILING, PROVIDE NYLON PULL STRING AND BUSHING MOUNTED 48" AFF		SURVEILLANCE CAMERA
S	SINGLE POLE TOGGLE SWITCH	F	WALL MOUNTED FIRE ALARM MANUAL PULL STATION, MOUNT AT 48" AFF
S_3	THREE WAY TOGGLE SWITCH	S	CEILING MOUNTED SMOKE DETECTOR
S_4	FOUR WAY TOGGLE SWITCH	H	CEILING MOUNTED HEAT DETECTOR - TEMPERATURE RATING AS INDICATED ON DRAWINGS
S_D	DIMMER SWITCH	S	SMOKE DETECTOR FOR ELEVATOR RECALL CONTROLS
E	EMERGENCY CALL TOGGLE SWITCH	SL	DUCT MOUNTED SMOKE DETECTOR AND HOUSING
	EMERGENCY CALL FOR AID COMBINATION BUZZER / LIGHT	RTS	REMOTE DUCT SMOKE DETECTOR TEST SWITCH
R	RELAY	MM	MONITOR MODULE
PP	POWER PACK	CM	CONTROL MODULE
LS	LIGHT SENSING PHOTOCELL FOR DAYLIGHT HARVESTING	TS	SPRINKLER ALARM TAMPER SWITCH
TC	TIME CLOCK	FS	SPRINKLER ALARM FLOW SWITCH
OS	OCCUPANCY SENSOR	PS	SPRINKLER ALARM PRESSURE SWITCH
	EMERGENCY SHUT-OFF BUTTON		WATER METER / MAIN
H	MAGNETIC DOOR HOLD OPEN		

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SUFFIELD TOWN HALL

SUFFIELD, CT.
State Project #: Optional
Project #: 2019202.00

Revisions

Issue Dates:

SCHEMATIC DESIGN 08/15/19

ELECTRICAL SYMBOLS, NOTES AND ABBREVIATIONS

E0.00

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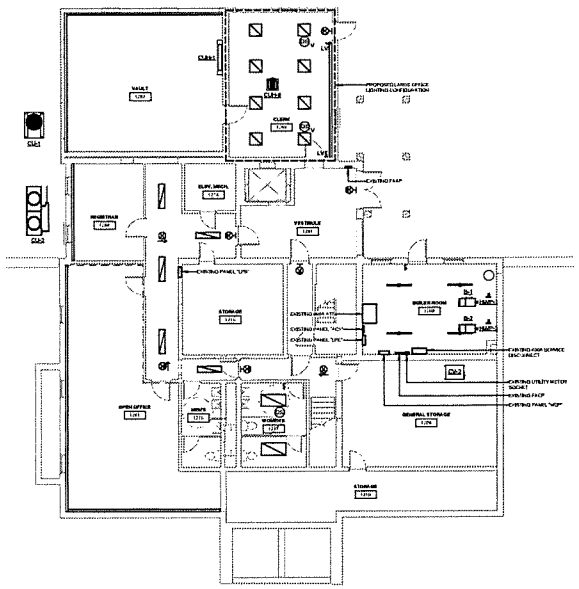
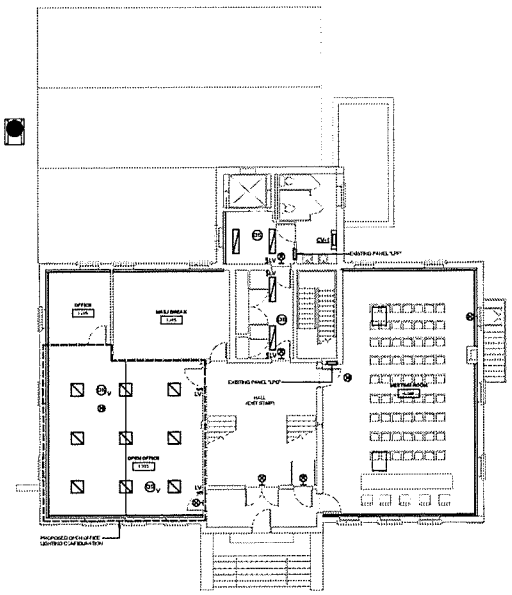
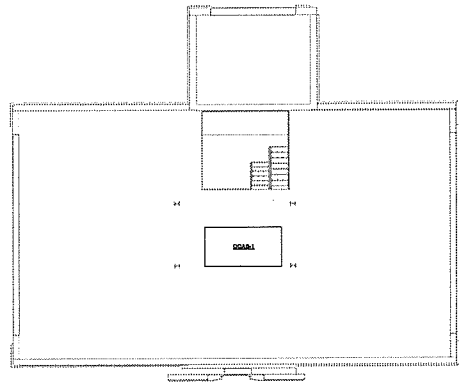


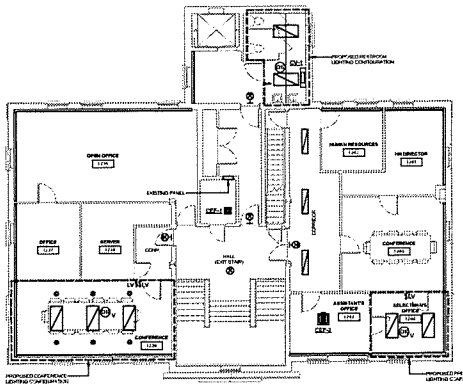
1 BASEMENT LEVEL ELECTRICAL PLAN OPTION E
1/8" = 1'-0"



2 GROUND LEVEL ELECTRICAL PLAN OPTION E
1/8" = 1'-0"



4 ATTIC ELECTRICAL PLAN
1/8" = 1'-0"



3 UPPER LEVEL ELECTRICAL PLAN OPTION E
1/8" = 1'-0"

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ELECTRICAL FLOOR PLANS

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