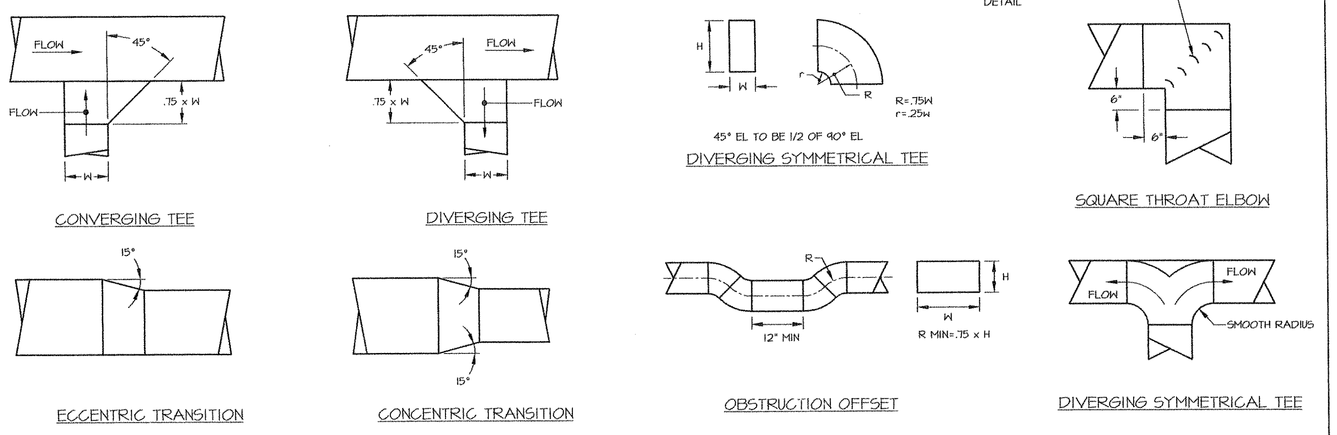
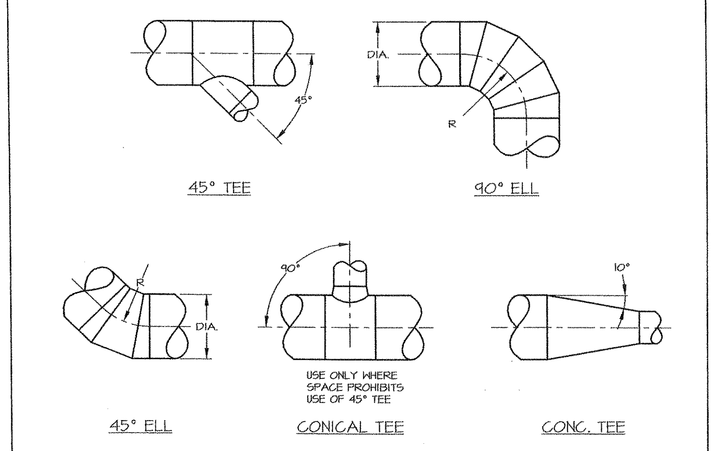
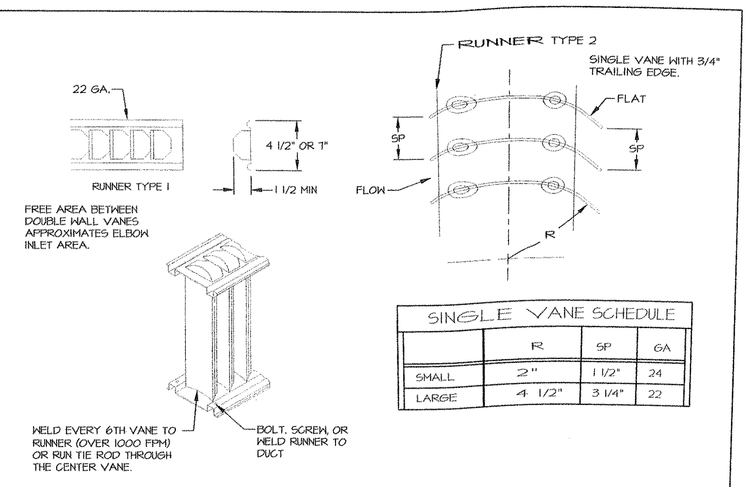


A1 NOT TO SCALE — **Standard Rectangular Duct Details**



A3 NOT TO SCALE — **Standard Round Duct Details**



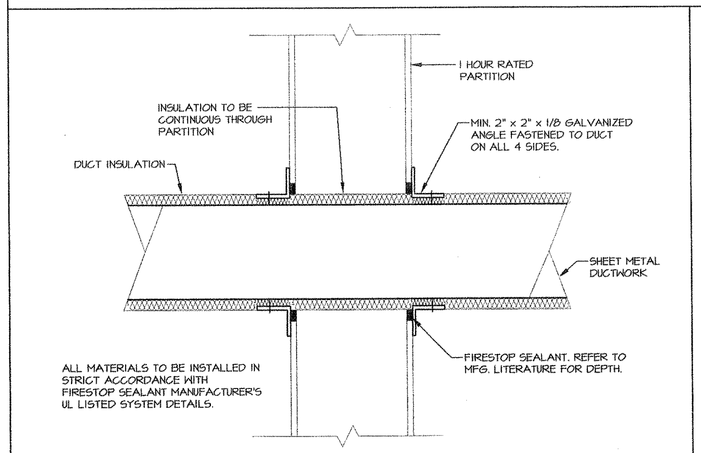
SINGLE VANE SCHEDULE

	R	SP	GA
SMALL	2"	1 1/2"	24
LARGE	4 1/2"	3 1/4"	22

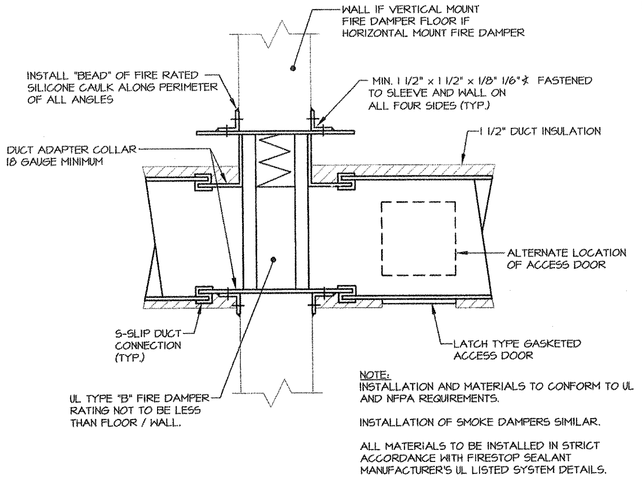
A4 NOT TO SCALE — **Vanes & Runners For Square Throat Elbow Detail**

SYMBOLS & ABBREVIATIONS

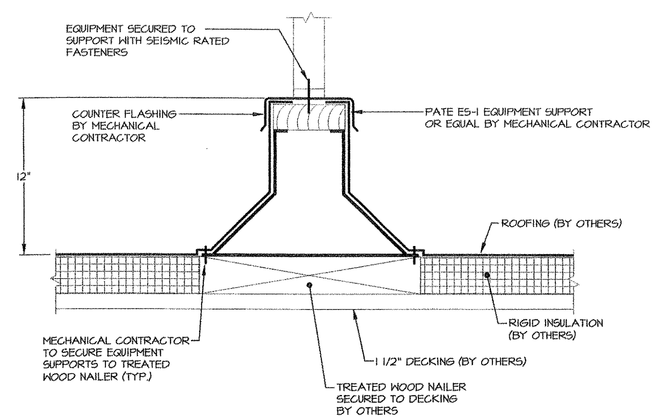
- EXISTING PIPING TO REMAIN
- EXISTING PIPING TO BE REMOVED (DEMOLITION PLAN ONLY)
- LPC — LOW PRESSURE CONDENSATE
- LPS — LOW PRESSURE STEAM
- D — DRAIN PIPING
- V — VENT
- HWS — HOT WATER SUPPLY
- HWR — HOT WATER RETURN
- FOS — FUEL OIL SUPPLY
- FOR — FUEL OIL RETURN
- PIPING OFFSET UP
- PIPING OFFSET DOWN
- BRANCH TAKEOFF FROM PIPING MAIN
- BALL VALVE
- PIPE UNION
- CHECK VALVE
- PRESSURE GAUGE
- PRESSURE GAUGE WITH GAUGE COCK
- STEAM TRAP
- DIRECTION OF FLOW
- PIPE CAP
- FUSIBLE LINK VALVE
- FLEXIBLE CONNECTOR
- DRAIN VALVE
- AV — AIR VENT
- T — WALL-MOUNTED THERMOSTAT
- EXISTING DUCTWORK TO BE REMOVED (DEMOLITION PLAN ONLY)
- EXISTING DUCTWORK TO REMAIN
- NEW DUCTWORK
- DUCT OFFSET DOWN
- SD/SR/SRD — FLEXIBLE DUCTWORK
- FD — FIRE DAMPER
- VD — VOLUME DAMPER
- OBVD — OPPOSED BLADE VOLUME DAMPER
- MOTOR OPERATED DAMPER
- WSG — WALL SUPPLY GRILLE
- WEG — WALL EXHAUST GRILLE
- WTG — WALL TRANSFER GRILLE
- WTD — WALL TRANSFER DUCT
- CFM — CUBIC FEET PER MINUTE
- ø — DIAMETER
- TYP. — TYPICAL
- E/ — EXISTING
- BAS — BUILDING AUTOMATION SYSTEM
- DDC — DIRECT DIGITAL CONTROL
- DN — DOWN
- ATC — AUTOMATIC TEMPERATURE CONTROLS
- CONNECT NEW TO EXISTING



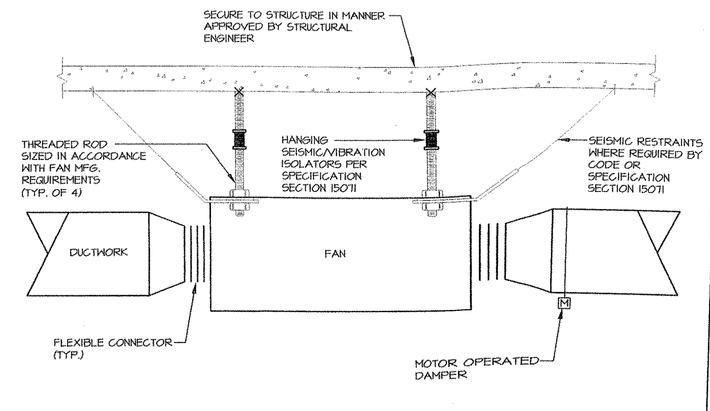
B1 NOT TO SCALE — **Detail of Firestopping Duct Penetration of One Hour Fire Rated Partitions and Smoke Partitions**



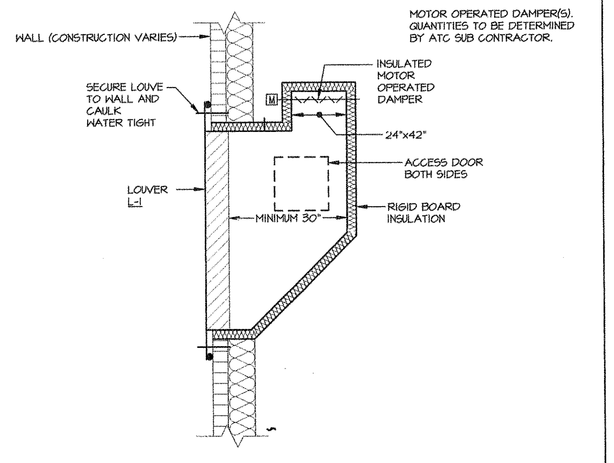
B2 NOT TO SCALE — **Type "B" Fire Damper Detail**



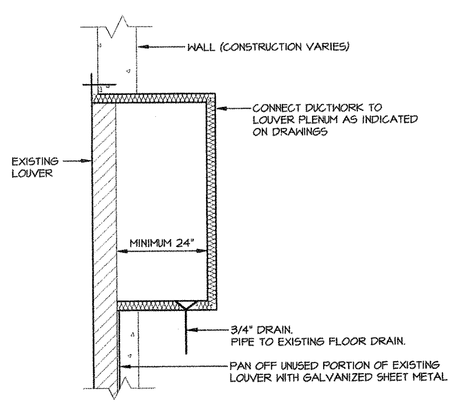
B3 NOT TO SCALE — **Detail of Equipment Supports**



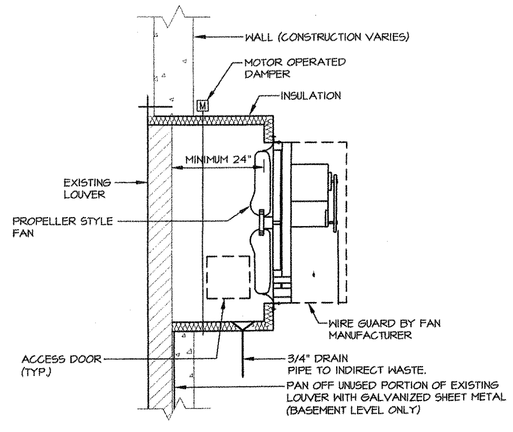
B4 NOT TO SCALE — **Inline Fan Installation Detail**



C1 NOT TO SCALE — **Louver Plenum Installation Detail for Generator Room**



C2 NOT TO SCALE — **Typical Louver Plenum Installation Detail for Basement Level Spaces**



C3 NOT TO SCALE — **Typical Installation of Propeller Style Fan**

FAN SCHEDULE

TAG	SERVICE	MANUFACTURER	MODEL	CFM	SP W.G.	RPM	TIP SPEED	SONES	ELECTRIC HP	ELECTRIC PH	ELECTRIC VOLT	EMERG. POWER	DRIVE	DAMPER	REMARKS
EF-1	EXISTING RM, B103, B109	LOREN COOK	16AFBC	1820	0.625	1724	7531	33	1/2	1	115	YES	BELT	MOD	NOTES: 1 & 2
EF-2	B104	LOREN COOK	24XLW	1080	0.25	680	4339	12.1	3/4	1	115	YES	BELT	MOD	NOTES: 1 & 2
SF-1	GENERATOR ROOM 100	LOREN COOK	24XMWS	2200	0.3	829	5290	12.3	1/4	1	115	YES	BELT	MOD	NOTES: 1 & 2

NOTE:
1. DISCONNECT BY ELECTRICAL CONTRACTOR.
2. STARTER BY ELECTRICAL CONTRACTOR.

FUEL OIL FILTRATION SCHEDULE

DESIGNATION	MANUFACTURER	CATALOG NO.	GPH	MOTOR HP	MOTOR RPM	MOTOR VOLTS	MOTOR PH	REMARKS
FOF-1	PREFERRED UTILITIES	PF-301	180	0.33	1725	115	1	NOTES: 1, 2

NOTES:
1. DISCONNECT SWITCH BY ELECTRICAL CONTRACTOR.
2. CONTROL PANEL SHALL INCLUDE DRY CONTACT FOR INTERFACE WITH BAS.

FUEL OIL DAY TANK SCHEDULE

DESIGNATION	MANUFACTURER	CATALOG SIZE	FUEL	PSI	MOTOR QTY	MOTOR HP	MOTOR VOLTS	MOTOR PH	REMARKS
FODT-1	PIRYCO	PY75	NO. 2 OIL	50	1	0.33	120	1	NOTES 1 THROUGH 5

NOTES:
1. ELECTRICAL CONTRACTOR SHALL PROVIDE 120V 20A FEED FOR POWER CONNECTION TO DAY TANK CONTROL PANEL.
2. DISCONNECT SWITCH BY ELECTRICAL CONTRACTOR.
3. CONTROL PANEL SHALL INCLUDE DRY CONTACT FOR INTERFACE OF ALARMS WITH BAS.
4. SYSTEM OPERATION SHALL BE ON/OFF AND CONTROLLED THROUGH DAY TANK CONTROL PANEL.
5. PUMP BASIN TO BE FURNISHED WITH PUMP SET LEAK DETECTION SWITCH INTERFACED WITH TANK GAUGE SYSTEM.

LOUVER SCHEDULE

TAG	MANUFACTURER	MODEL	CFM	MAX. FV	MAX. DP	OUTSIDE DIMENSIONS WIDTH	OUTSIDE DIMENSIONS HEIGHT	OUTSIDE DIMENSIONS DEPTH	FREE AREA	BLADE TYPE	REMARKS
L-1	GREENHECK	EDJ-202	4,400	510	0.04"	42	78	2	8.63	J STYLE, 45° ON 3" CENTERS	NOTES: 1 & 2
L-2	GREENHECK	EDJ-601	1,080	355	0.03"	30	30	6	3.05	J STYLE, 45° ON 6" CENTERS	NOTES: 1 & 2
L-3	GREENHECK	EDJ-601	2,750	595	0.05"	36	36	6	4.63	J STYLE, 45° ON 6" CENTERS	NOTES: 1 & 2
L-4	GREENHECK	EDJ-601	1,820	550	0.05"	20	48	6	3.31	J STYLE, 45° ON 6" CENTERS	NOTES: 1 & 2

NOTES:
1. PROVIDE WITH BIRD SCREEN.
2. PROVIDE WITH FLANGE WHERE REQUIRED.

FUEL OIL PUMPSET SCHEDULE

TAG	MANUFACTURER	MODEL	FUEL	GPH	PSIG	MOTOR QTY	MOTOR HP	MOTOR VOLTS	MOTOR PH	EMERGENCY POWER	REMARKS
FOP-1	PREFERRED UTILITIES	ATPS-106	NO. 2 OIL	277	100	2	1	460	3	YES	NOTES 1 THROUGH 5
FOP-2	PREFERRED UTILITIES	ATPS-104	NO. 2 OIL	155	50	2	0.5	460	3	YES	NOTES 1 THROUGH 5

NOTES:
1. EACH PUMP TO BE FURNISHED WITH INDIVIDUAL HAND/OFF/AUTO SWITCH.
2. PUMP BASIN TO BE FURNISHED WITH PUMP SET LEAK DETECTION SWITCH INTERFACED WITH TANK GAUGE SYSTEM.
3. BASIN TO BE FURNISHED WITH LEAK DETECTION SWITCH WIRED TO PUMP CONTROL PANEL.
4. PROVIDE WITH TWO SIMPLEX STRAINERS.
5. CONTROL PANEL SHALL INCLUDE DRY CONTACTS FOR INTERFACE OF ALARMS WITH BAS.

GRILLE AND DIFFUSER SCHEDULE

TAG	CFM	NECK SIZE	COLOR	REMARKS
WSG	720	16"x8"	WHITE	
WSG	950-1080	28"x12"	WHITE	
WEG	720	16"x12"	WHITE	
WEG	1100	30"x12"	WHITE	HEAVY DUTY GRILLE
RG	400	16"x16"	WHITE	

NOTES:

ELECTRIC UNIT HEATER SCHEDULE

TAG	MFG.	MODEL NO.	MBH	CFM	TEMP. RISE (°F)	ELECTRICAL DATA FAN HP	ELECTRICAL DATA PH	ELECTRICAL DATA VOLT	ELECTRICAL DATA MIN. AMPACITY	EMERGENCY POWER	REMARKS
UH-1	Q-MARK	MUH05-B1	17	350	45	1/100	1	208	24	YES	NOTES: 1, 2 & 3

NOTES:
1. INCLUDE OPTIONAL THERMOSTAT MODEL MT-1.
2. INCLUDE OPTIONAL REMOTE MANUAL FAN SWITCH MODEL MRS-1.
3. INCLUDE OPTIONAL WALL MOUNTING BRACKET MODEL MMB-5.

Maine Medical Center
centered around you

DAI
ARCHITECTURE
PLANNING
INTERIOR DESIGN
ENGINEERING

DiGIORGIO ASSOCIATES INC.

BOSTON
225 FRIEND STREET
BOSTON, MA 02114
TEL. 617.723.7100
FAX. 617.723.9113

MAINE
484 MAINE AVE., SUITE 2B
FARMINGDALE, ME 04344
TEL. 207.582.2400
FAX. 207.582.8320

MID-ATLANTIC REGION
46169 WESTLAKE DR., SUITE 320
POTOMAC FALLS, VA 20165
TEL. 703.421.5600
FAX. 703.421.5669

CONSULTANT:

Generator MV Gear Replacement

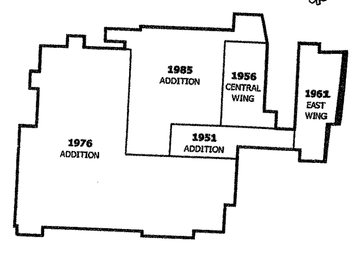
ISSUE:

LETTER:	DATE:	DESCRIPTION:
A	05/08/09	100% OWNER REVIEW SET
B	08/13/09	ISSUED FOR BID

REVISION:

NO:	DATE:	DESCRIPTION:

KEY PLAN:



DRAWING TITLE:
DUCTWORK DETAILS & SCHEDULES

DRAWN BY: MEB
CHECKED BY: AG
SCALE: AS NOTED
PROJECT NO.: 093274.00.E

SEAL:

DRAWING NO.:
M-001

CAD FILE NAME:
R:\Dwg - Engineering\093274.00.E MMC - Generator - MV Gear Replacement\Project\Sheets\Drawing Set\Mechanical\M-001.dwg