AIR BALANCE SCHEDULE

ROOM NO.	ROOM NAME	SPACE AREA (SF)	SPACE HEIGHT (FT)	SPACE VOLUME (CF)	SUPPLY AIRFLOW (CFM)	EXHAUST AIRFLOW (CFM)	ROOM AIR BALANCE REQ'D	ROOM AIR BALANCE DESIGN	TOTAL AC/H MIN.	TOTAL AC/H DESIGN
48	DECONTAMINATION AREA	755	8	6040	1440	2000	--	-39%	6	19.9
48A	STERILIZER EQUIPMENT ROOM	175	12	2100	1625	1850	-	-14%	10	52.9
48E	ETO ABATOR	45	12	540	150	400	-	-167%	10	44.4
48F	DECONTAMINATION HAC	12	8	96	0	50	--	--	10	31.3
50	MALE LOCKERS	85	8	680	50	125	--	-150%	10	11.0
52	FEMALE LOCKERS	95	8	760	50	125	--	-150%	10	9.9
53A	STERILE STORAGE	255	8	2040	200	150	+	25%	4	5.9
58	STERILE STORAGE	2100	8	16800	2920	2500	+	14%	4	8.9
58D	STERILIZATION	1100	8	8800	2350	1550	++	34%	4	16.0
CW	AUTOMATED CART WASH	100	12	1200	800	1200	-	-50%	10	60.0
	DECONTAMINATION CORRIDOR	55	8	440	100	0	0	+	4	13.6

NOTE: 1. STERILIZER EQUIPMENT ROOM, ETO ABATOR ROOM & CART WASH RECEIVE TRANSFER AIR VIA TF-1.

FAN SCHEDULE

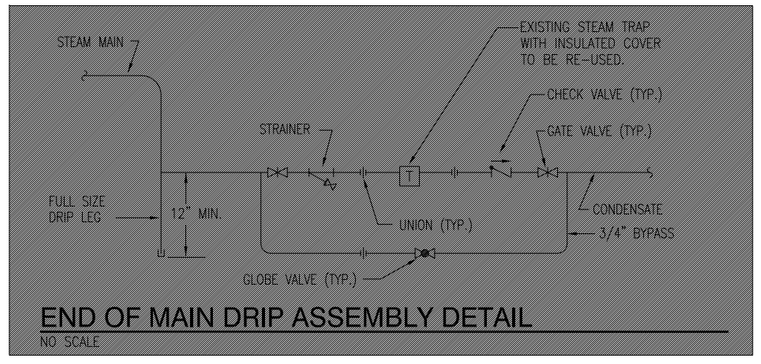
MARK	LOCATION	TYPE	CFM	ESP (IN WG)	RPM	SONES	DRIVE	MAX HP	NOTES
EF-2	CRAWL SPACE	EXHAUST	1,200	0.5	1514	11.9	BELT	1/3	2,4,5
EF-3	ROOF	EXHAUST	250	1.5	2173	-	BELT	1/3	1,3,4

NOTES:
1. BASED ON LOREN COOK MODEL #70CPA OR APPROVED EQUAL.
2. BASED ON LOREN COOK MODEL #120SQN-B OR APPROVED EQUAL.
3. SPARK PROOF CONSTRUCTION.
4. INTEGRAL DISCONNECT SWITCH.
5. TWO-SPEED MOTOR.

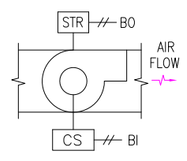
DIFFUSERS, REGISTERS, AND GRILLES SCHEDULE

MARK	CFM RANGE	MAX SP (IN. WG)	NECK/COLLAR SIZE (IN)	SHELL SIZE (IN)	MOUNTING/TYPE	MAX THROW AT 50 FPM (FT)	MAX NC	NOTES
D6/6	0-125	0.05	6 X 6	12 X 12	SURFACE MOUNT PERFORATED FACE	7	13	1,2
D8/8	126-267	0.08	8 X 8	16 X 16	SURFACE MOUNT PERFORATED FACE	11	25	1,2
D10/10	268-370	0.07	10 X 10	20 X 20	SURFACE MOUNT PERFORATED FACE	13	25	1,2
K6/6	0-125	0.09	6 X 6	12 X 12	SURFACE MOUNT PERFORATED FACE	-	10	1,3
K8/8	126-233	0.10	8 X 8	16 X 16	SURFACE MOUNT PERFORATED FACE	-	15	1,3
L8/6	126-182	0.10	8 X 6	10 X 8	SURFACE MOUNT 35° FIXED SINGLE DEFLECTION	-	25	4

NOTES:
1. THE SHELL SIZE OF SURFACE MOUNT SHALL BE ADDED 1".
2. BASED ON TITUS MODEL # PAS OR APPROVED EQUAL.
3. BASED ON TITUS MODEL # PAR OR APPROVED EQUAL.
4. BASED ON TITUS MODEL # 350FL OR APPROVED EQUAL.



END OF MAIN DRIP ASSEMBLY DETAIL
NO SCALE



EF-3 CONTROL DIAGRAM
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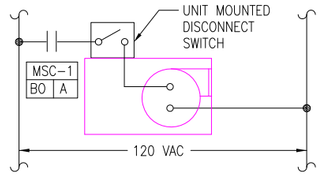


EF-3 CIRCUIT DIAGRAM
NO SCALE

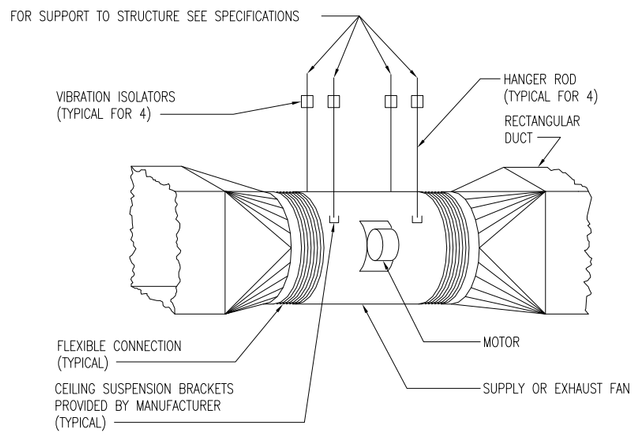
EXHAUST FAN SEQUENCE OF OPERATION

EXHAUST FAN EF-3 (NOTE: EF-2 SIMILAR)

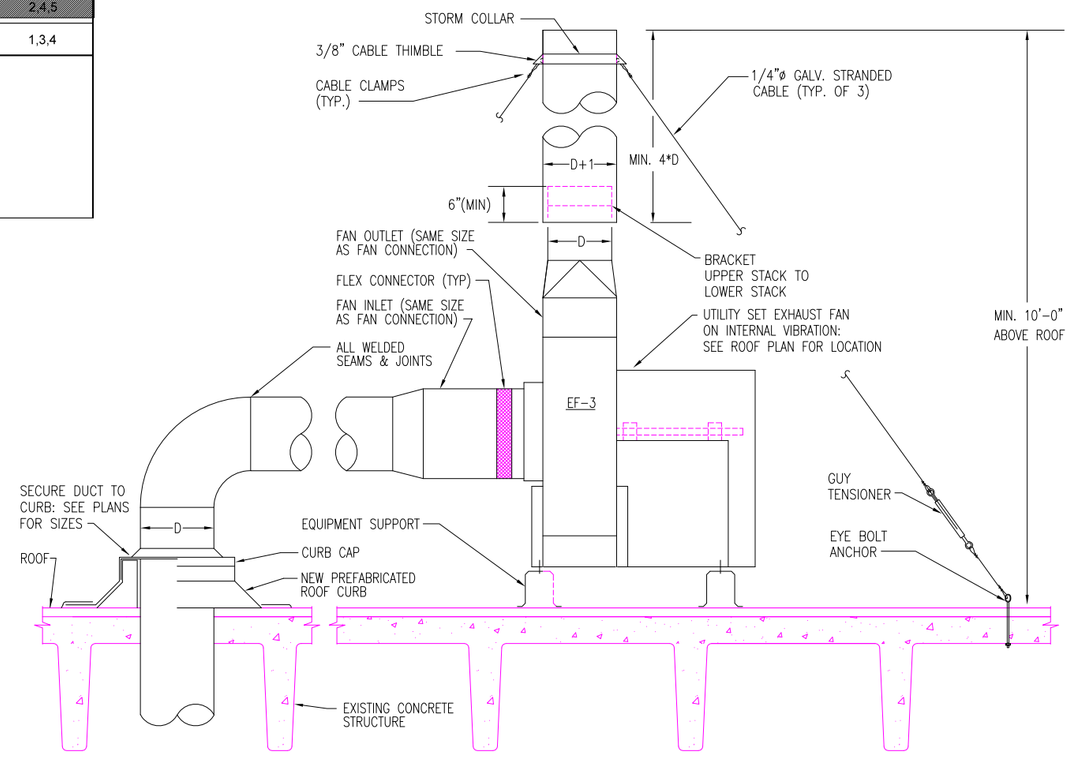
WHEN THE UNIT MOUNTED DISCONNECT SWITCH IS IN THE "OFF" POSITION THE FAN SHALL BE DEACTIVATED. WHEN THE DISCONNECT SWITCH IS IN THE "ON" POSITION THE FAN SHALL BE MONITORED AND CONTROLLED BY THE DDC SYSTEM. THE FAN SHALL RUN CONTINUOUSLY. THE DDC SYSTEM SHALL BE ABLE TO ENABLE/DISABLE THE FAN THROUGH ITS START/STOP RELAY, BUT SHALL PRIMARILY MONITOR THE FAN AND ALARM UPON FAILURE OR STOPPAGE.

INTERLOCK THE CART WASH EXHAUST FAN EF-2 WITH DRY CONTACTS PROVIDED WITH THE EQUIPMENT TO OPERATE ON LOW SPEED DURING NON-OPERATION AND HIGH SPEED DURING WASH/DRYING OPERATION.

EXHAUST FAN CONTROL DIAGRAM
NO SCALE



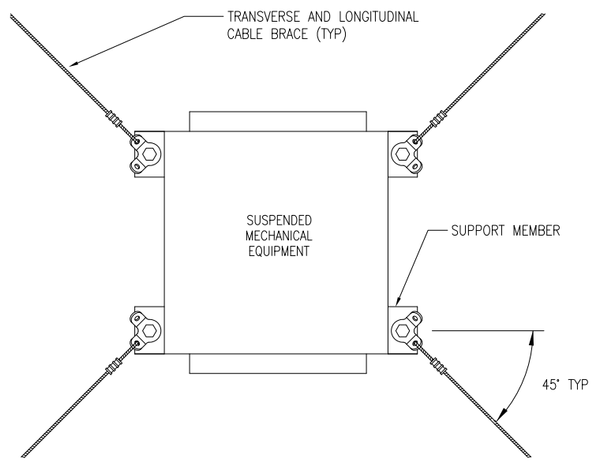
INLINE CENTRIFUGAL FAN MOUNTING DETAIL
NO SCALE



UTILITY SET EXHAUST FAN DETAIL
NO SCALE

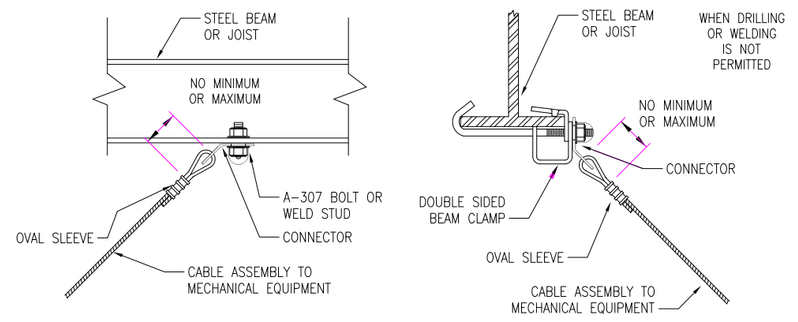
SEISMIC BRACING NOTE:

1. SEE SPECIFICATION SECTION 13 05 41 "SEISMIC RESTRAINT REQUIREMENTS FOR NON-STRUCTURAL COMPONENTS" PARAGRAPH 1.6.B FOR EXCEPTIONS FOR SEISMIC SWAY BRACING.



PLAN VIEW
NO SCALE

SEISMIC BRACING DETAIL FOR SUSPENDED MECHANICAL EQUIPMENT WITH INTERNAL VIBRATION ISOLATORS OR NO REQUIREMENT FOR VIBRATION ISOLATION
NO SCALE



SEISMIC CABLE BRACING ATTACHMENT TO STRUCTURE DETAIL
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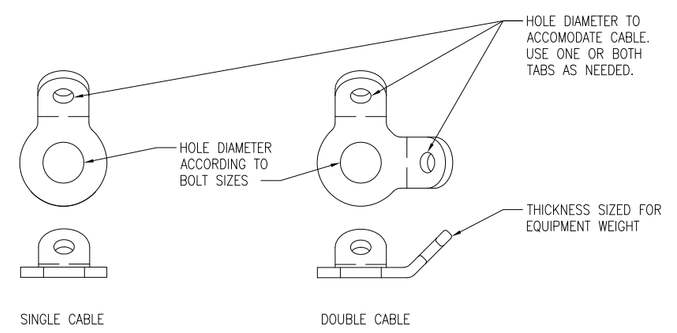

SEISMIC BRACING CONNECTOR DETAIL
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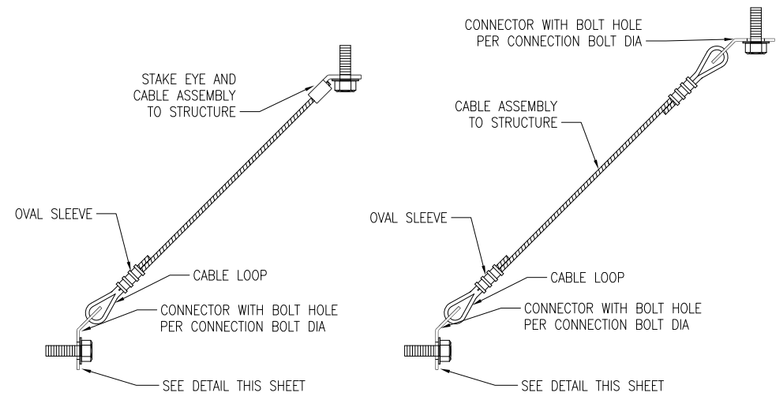
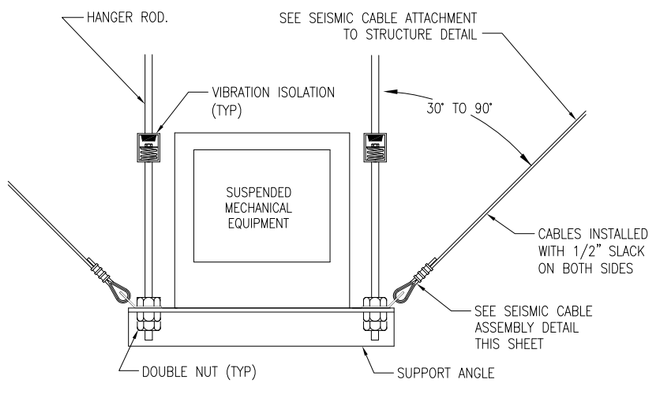


SEISMIC CABLE BRACING ASSEMBLY DETAILS
NO SCALE



ELEVATION
NO SCALE

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T:\ENGINEERING\VBM_MINOR_PROJECTS 2014\590-14-108 SPS CART WASHER & ETO ABATOR\FINAL DESIGN DOCUMENTS\ETO ONLY DRAWINGS\DRAWINGS\4 MECHANICAL-ELECTRICAL\CAD\ME601 DETAILS, SCHEDULES AND CONTROLS.DWG