MECHANICAL SCHEDULES

ROOM AIR BALANCE SUMMARY TABLE

ROOM NUMBER	ROOM NAME	VA STANDARD ROOM DESCRIPTION	ROOM AREA	CEILING HEIGHT	ACTUAL ACH	ACTUAL SUPPLY CFM	ACTUAL EXHAUST CFM	ACTUAL ROOM BALANCE	MIN. ACH	MIN. CFM	ROOM AIR BALANCE	DESIGN SUPPLY AIR	DESIGN ACH	DESIGN EXHAUST	DESIGN ROOM BALANCE	NOTES
W309	MENS STAFF BATHROOM	BATHROOM	339	9	4.3	220	160	++	10	510	-	300	5.9	325	-	
W310	WOMENS STAFF BATHROOM	BATHROOM	498	9	4.1	310	275	+	10	750	-	300	4.0	475	--	
WCORR15	CORRIDOR	PATIENT CORRIDOR	876	9	3.0	400		++	4	530	-	405	3.1	0	++	1
W311	PRE-OP	PATIENT PREP	514	9	4.1	315	340	-	6	460	0	480	6.2	480	0	
W315	ANESTH. WORKROOM	ANESTH. WORKROOM & EQUIP.	145	9	4.1	90	115	--	8	170	-	125	5.7	150	--	
W317	INST. PROCESSING	INSTRUMENT PREP. AND STORAGE	225	9	0.7	25		++	8	270	+	175	5.2	0	++	
W319	INST. DECONTAM.	ANESTH. WORKROOM & EQUIP.	162	9	12.8	310	350	-	8	190	-	425	17.5	475	-	
W321	STERILE SUPPLY STORAGE	INSTRUMENT PREP. AND STORAGE	509	9	2.4	185	265	--	8	610	+	420	5.5	320	++	
W323	OR #4	OPERATING ROOM	498	9.5	20.4	1608	386	++	10	790	++	1580	20.0	1110	++	4
W325	SUB-STERILE	SUB-STERILE ROOM	150	9	9.8	220	250	-	6	140	--	250	11.1	500	--	
W334	OR #3	OPERATING ROOM	483	9.5	17.9	1308	278	++	10	760	++	1530	20.0	1070	++	4
W320	NURSE PRACTITIONER	OFFICE	252	9	5.3	200	165	++	4	150	0	200	5.3	200	0	
W322	STAFF LOUNGE	STAFF LOUNGE	387	10	11.8	760	560	++	4	260	-	750	11.6	775	-	
W324	CHIEF OF ANESTH.	OFFICE	146	9	15.1	330	240	++	4	90	0	300	13.7	300	0	
W326	ANESTH. OFFICE	OFFICE	244	9	11.6	425	120	++	4	150	0	350	9.6	350	0	
W311A	OFFICE	OFFICE	118	9	7.1	125	105	++	4	70	0	125	7.1	125	0	
W312	PATIENT TOILET	TOILET	76	9	7.9		90	-	10	110	--	0	7.9	90	--	
W313	HOUSEKEEPING	JANITOR	77	9	13.4		155	--	10	120	-	0	9.1	105	--	
W313A	COMMS CLOSET	CONTROLS & COMMUNICATION CEN.	46	9	19.6		135	--		NA	0	100	14.5	100	0	
W328	OR #1	OPERATING ROOM	493	9.5	15.4	1199	414	++	10	780	++	1560	20.0	1090	++	4
W330	SUB-STERILE	SUB-STERILE ROOM	182	9	9.0	245	460	--	6	160	--	300	11.0	600	--	
W332	OR #2	OPERATING ROOM	496	9.5	16.8	1317	543	++	10	790	++	1570	20.0	1100	++	4
W315	LAUNDRY	SOILED HOLDING/DISPOSAL ROOM	95	9	6.7		95	--	12	170	--	0	3.5	50	--	
W314	EQUIPMENT STORAGE		480	9	2.9	210	295	--	4	290	0	325	4.5	0	++	2
W314A	ELECT		40	9	0.0			0		NA	0	0	54.2	325	--	2
WCORR14	SCRUB AREA	SEMI-RESTRICTED CORRIDOR	240	9	5.7	205		++	8	290	-	400	11.1	0	++	3
WCORR15	RESTRICTED CORRIDOR	SEMI-RESTRICTED CORRIDOR	610	9	4.2	380		++	8	730	-	175	1.9	0	++	3
WCORR16	SCRUB AREA	SEMI-RESTRICTED CORRIDOR	435	9	4.1	270		++	8	520	-	250	3.8	850	--	3
						10717	5796					12395		10965		

(0) NEUTRAL AIR BALANCE: EXHAUST AIR = SUPPLY AIR
(-) NEGATIVE AIR BALANCE: EXHAUST AIR = SUPPLY AIR + 15%
(--) DOUBLE NEGATIVE AIR BALANCE: EXHAUST AIR = SUPPLY AIR + 30%
(+) POSITIVE AIR BALANCE: EXHAUST AIR = SUPPLY AIR - 15%
(++) DOUBLE POSITIVE AIR BALANCE: EXHAUST AIR = SUPPLY AIR - 30%

NOTES:
1. TRANSFER AIR EXHAUSTED THROUGH RESTROOMS.
2. TRANSFER AIR EXHAUSTED FROM EQUIPMENT STORAGE THROUGH ELECT. ROOM.
3. CONTINUOUS CORRIDORS EXHAUSTED THROUGH WCORR16.
4. WHEN UNOCCUPIED AIRFLOW REDUCES TO 10 AIR CHANGES PER HOUR

VARIABLE AIR VOLUME BOX SCHEDULE

DESIGNATION	VAV-1	VAV-2	VAV-3	VAV-4
CFM (MAX/MIN)	1560/780	1570/790	1530/760	1580/790
INLET PRESSURE (IN. WC)	1.00	1.00	1.00	1.00
INTERNAL PD (IN. 'WC)	0.50	0.50	0.50	0.50
MAX NC (DISCHARGE)	26	26	26	26
HEATING CAPACITY (MBH)	55.5	55.5	55.5	55.5
GPM / PD (FT.)	2.0	2.0	2.0	2.0
BRANCH SIZE (IN.)	3/4	3/4	3/4	3/4
MANUFACTURER	TITUS	TITUS	TITUS	TITUS
MODEL	DESV	DESV	DESV	DESV
SIZE	14	14	14	14
LOCATION	ROOF ENCL. #1	ROOF ENCL. #2	ROOF ENCL. #2	ROOF ENCL. #2
ZONE	OR #1	OR #2	OR #3	OR #4
OPER. WT. (LBS)	50	50	50	50
ACCESSORIES	1,2,3	1,2,3	1,2,3	1,2,3

1. MOUNT ON RACK INSIDE ENCLOSURE.
2. CONNECT TO DDC SYSTEM WITH CONSTANT MONITORING OF TEMPERATURE, PRESSURE AND HUMIDITY.
3. WHEN UNOCCUPIED VAV OPERATES AT MINIMUM AIRFLOW.
4. OPERATE WITH COMBINED TEMPERATURE AND HUMIDITY THERMOSTATS INTERLOCKED WITH HUMIDIFIERS.

PUMP SCHEDULE

DESIGNATION	P-1	P-2
HORSEPOWER	3	3
VOLTS/PHASE	208/3	208/3
RPM	1750	1750
GPM/TDH (FT.)	170/40	170/40
EFFICIENCY (%)	73.5	73.5
MANUFACTURER	B&G	B&G
TYPE	CENTRIFUGAL	CENTRIFUGAL
MODEL NUMBER	E-1510	E-1510
LOCATION	5TH FLOOR ROOF	5TH FLOOR ROOF
OPER. WT. (LBS)	215	215
ACCESSORIES	1,2,3	1,2,3

1. FACTORY MOUNTED ON SKID.
2. VFD'S IN SKID MOUNTED CONTROL PANEL.
3. MOUNT ON VIBRATION ISOLATORS.

AIR/DIRT SEPARATOR SCHEDULE

DESIGNATION	AS-1
FLOW (GPM)	300
SIZE (IN.)	4
MANUFACTURER	BELL & GOSSETT
MODEL NUMBER	RL-4F
SERVICE	CHILLED WATER
LOCATION	PUMP SKID
OPER. WT (LBS)	300
ACCESSORIES	2

1. REMOVABLE LOWER HEAD FOR CLEANING
2. FACTORY MOUNTED ON SKID.

AIR COOLED CHILLER

DESIGNATION		CH-1
CAPACITY (TONS)		70
FLA (FANS)		20.20
VOLTS/PHASE		460/3
MAXIMUM FUSE SIZE		175
EER (NPLV/IPLV)		16.7/15.6
COMP. MOTOR	QUANTITY	4
	RLA - (2) @	25.8
	RLA - (2) @	33.0
	OPER. KW (TOTAL)	88.6
EVAPORATOR	GPM	170
	PRESSURE DROP (FT.)	18.30
	EWT / LWT (°F)	64/54
	SCALE FACTOR	0.00010
AMBIENT AIR (°F)		110
MANUFACTURER		TRANE
TYPE		AIR COOLED SCROLL
MODEL NUMBER		CGAM070F2
LOCATION		ROOF
OPER. WT (LBS)		5,120
ACCESSORIES		1

1. MOUNT ON VIBRATION ISOLATORS

EXHAUST FAN

DESIGNATION	EF-1
CFM (MAX/MIN)	11000 / 8800
EXT. S P (IN. WC)	2 / 1.3
HP/ WATTS	7 1/2 / -
VOLTS/ PHASE	460 / 3
RPM	990
TIP SPEED/ DBA	7,772
DRIVE	BELT
MOUNTING	PLATFORM
MANUFACTURER	GREENHECK
TYPE	UTILITY SET
MODEL NUMBER	SWB-330-AF-75
CONTROL	VFD
LOCATION	3RD FLOOR ROOF
SERVICE	SURGERY SUITE
OPER. WT. (LBS)	1157
ACCESSORIES	1,2,3,4,5

1. SPRING ISOLATORS.
2. WEATHERPROOF COVER FOR MOTOR AND DRIVES.
3. INLET FLEX CONNECTOR.
4. BACKDRAFT DAMPER.
5. AIRFLOW REDUCES TO KEEP OR'S POSITIVE.

CONTROL DAMPER

DESIGNATION	CD-1
INLET PRESSURE (IN. WC)	1.00
INTERNAL PD (IN. 'WC)	0.02
MANUFACTURER	RUSKIN
MODEL	CD60
SIZE	12" WIDTH
ACCESSORIES	1,2,3,4,5

1. INSTALL IN EXHAUST DUCT SHOWN ON PLANS.
2. DAMPER SIZES DETERMINED BY DUCT SIZE.
3. ACTUATORS ADJUST TO ROOM PRESSURE.
4. DUCT MOUNTED ACTUATORS.
5. 304 STAINLESS STEEL CONSTRUCTION.

EXPANSION TANK SCHEDULE

DESIGNATION	ET-1
TANK VOL (GAL)	10
ACCEPTANCE (GAL)	10
DIAMETER (IN)	12
HEIGHT (IN)	25
MANUFACTURER	WESSELS
MODEL NUMBER	NLA 35
LOCATION	PUMP SKID
SERVICE	CHILLED WATER
FULL WT (LBS)	50
ACCESSORIES	1

1. FACTORY MOUNTED ON SKID.

BUFFER TANK SCHEDULE

DESIGNATION	BT-1
TANK VOL (GAL)	300
DIAMETER (IN)	36
HEIGHT (IN)	72
MANUFACTURER	WESSELS
MODEL NUMBER	CBT-300
LOCATION	PUMP SKID
SERVICE	CHILLED WATER
FULL. WT (LBS)	3,500
ACCESSORIES	1

1. FACTORY MOUNTED ON SKID.

CHEMICAL FEEDER SCHEDULE

DESIGNATION	CF-1
TANK VOL (GAL)	5
CONNECTION (IN)	3/4
DIAMETER (IN)	10
HEIGHT (IN)	21
MANUFACTURER	GRISWOLD
MODEL NUMBER	FB-5
LOCATION	PUMP SKID
SERVICE	CHILLED WATER
FULL. WT (LBS)	40
ACCESSORIES	1

1. FACTORY MOUNTED ON SKID.

HUMIDIFIER SCHEDULE

DESIGNATION	H-1	H-2	H-3	H-4
CFM	1560	1570	1530	1580
SERVICE	OR #1	OR #2	OR #3	OR #4
LOCATION	HSKP W3U13	EQ STOR W3U14	EQ STOR W3U14	EQ STOR W3U14
EADB (°F)	55	55	55	55
ENTERING RH%	10	10	10	10
LEAVING RH%	50	50	50	50
CAPACITY (LBS/HR)	33.0	33.0	33.0	33.0
MANUFACTURER	CAREL	CAREL	CAREL	CAREL
TYPE	STEAM HUMIDIFIER	STEAM HUMIDIFIER	STEAM HUMIDIFIER	STEAM HUMIDIFIER
MODEL NUMBER	UE015XWOU1	UE015XWOU1	UE015XWOU1	UE015XWOU1
OPER. WT. (LBS)	50	50	50	50
ACCESSORIES	1	1	1	1

1. TWO POSITION AIR FLOW SWITCH
2. HUMIDITY CONTROL SENSOR
3. HIGH LIMIT SENSOR

MECHANICAL LEGEND

SYMBOL	ITEM	ABBR.
	ABOVE	ABV
	ABOVE CEILING	ABV CLG
	ABOVE FINISHED FLOOR	AFF
	ALTERNATE	ALT
	AIR CONDITIONING	AC
	AIR FLOW STATION	AFS
	AIR HANDLER UNIT	AHU
	ANALOG INPUT	AI
	ANALOG OUTPUT	AO
&	AND	
	ARCHITECT / ARCHITECTURAL	ARCH
@	AT	
	BACKDRAFT DAMPER	BDD
	BELOW FINISH CEILING	BFC
	BELOW FLOOR	BEL FLR
	BELOW GRADE	BEL GR
	BLIND FLANGE	BLF
	BRITISH THERMAL UNIT	BTU
	BRITISH THERMAL UNIT PER HOUR	BTUH
	CALIFORNIA MECHANICAL CODE	CMC
	CALIFORNIA PLUMBING CODE	CPC
	CEILING	CLG
℄	CENTER LINE	
	CONTINUATION	CONT
	CUBIC FEET OF AIR PER MINUTE	CFM
	CURRENT SENSOR	CS
Φ	DIAMETER	DIA
	DIFFERENTIAL PRESSURE SWITCH	DPS
	DIGITAL INPUT	DI
	DIGITAL OUTPUT	DO
	DOWN	DN
	DRAWING	DWG
	ELECTRICAL	ELEC
	ELBOW	ELL
	EXHAUST	EXH
	EXHAUST AIR	EA
	EXHAUST FAN	EF
	EXISTING	(E)
	FEET	FT
	FLOOR	FLR
	FLOW LINE	FL
	FLOW SWITCH	FS
	GAUGE	GA
	GALLON	GAL
	GALLONS PER HOUR	GPH
	GALLONS PER MINUTE	GPM
	INSIDE DIAMETER	ID
	MAKE-UP AIR UNIT	MAU
	MAXIMUM	MAX
	MINIMUM	MIN
	NEW	(N)
	NOT IN CONTRACT	NIC
	NOT TO SCALE	NTS
#	NUMBER	NO.
	OUTSIDE AIR	OSA
	OUTSIDE DIAMETER	OD
	POUNDS	LBS
	POUNDS PER SQUARE INCH	PSI
	POUNDS PER SQUARE INCH ABSOLUTE	PSIA
	POUNDS PER SQUARE INCH GUAGE	PSIG
	POLYVINYL CHLORIDE	PVC
	PRESSURE STATION	PS
	RETURN AIR	RA
	ROOM	RM
	SUPPLY AIR	SA
	SPECIFICATION	SPEC
	SQUARE FEET	SQ FT
	STAINLESS STEEL	SS
	TEMPERATURE	TEMP
	TEMPERATURE SENSOR	TS
	THROUGH	THRU

SYMBOL	ITEM	ABBR.
	TYPICAL	(TYP)
	UNDER GROUND	U/G
	UNLESS NOTED OTHERWISE	UNO
	VARIABLE AIR VOLUME UNIT	VAV
	WITH	W/
	WITHOUT	W/O
—BD—	BOILER BLOWDOWN	
—BF—	BOILER FEED	
—CF—	CHEMICAL FEED	
—A—	COMPRESSED AIR	A
—CHWS—	CHILLED WATER SUPPLY	CHWS
—CHWR—	CHILLED WATER RETURN	CHWR
—CWS—	CONDENSER WATER SUPPLY	CWS
—CWR—	CONDENSER WATER RETURN	CWR
—CW—	DOMESTIC COLD WATER	
—HWS—	HOT WATER SUPPLY	HWS
—HWR—	HOT WATER RETURN	HWR
—RD—	REFRIGERANT DISCHARGE	RD
—RL—	REFRIGERANT LIQUID	RL
—RS—	REFRIGERANT SUCTION	RS
—SCW—	SOFT COLD WATER	
—S—	STEAM SUPPLY	S
—CR—	STEAM CONDENSATE RETURN	CR
—SBD—	SURFACE BLOWDOWN	
—D—	DRAIN	D
	PIPING CAP	
	EXISTING (DESIGNATED)	(E)
	REMOVE / DEMO EXISTING (DESIGNATED)	
	DIRECTION OF FLOW	
	SUPPLY AIR	SA
	RETURN AIR	RA
	EXHAUST AIR	EA
	PIPE/DUCT TURN DOWN	
	PIPE/DUCT TURN UP	
	ROUND DUCT (SMALLER THAN 10"Φ)	
	ROUND FLEXIBLE DUCT	
	RECTANGULAR OR ROUND DUCT (10"Φ AND LARGER)	
	EXISTING DUCT (DESIGNATED)	
	REMOVE/ DEMO EXISTING DUCT (DESIGNATED)	
	SUPPLY AIR DUCT DROP	
	DUCT WITH ACOUSTIC LINING	
	SUPPLY AIR DUCT RISE	
	RETURN AIR DUCT DROP	
	RETURN AIR DUCT RISE	
	EXHAUST AIR DUCT DROP	
	EXHAUST AIR DUCT RISE	
	OUTSIDE AIR DUCT DROP	
	OUTSIDE AIR DUCT RISE	
	TURNING VANES	TV
	EXTRACTOR	
(CO)	CO_2 SENSOR	
(DD)	DUCT DETECTOR	DD
(HD)	HEAT DETECTOR	HD
(SD)	SMOKE DETECTOR	SD
(M)	MOTORIZED DAMPER	
◆	FIRE DAMPER W/MOTORIZED RESET AND ACCESS DOOR	
	FIRE DAMPER WITH ACCESS PANEL OR SECURITY BARS	
-OR- ▲	FIRE DAMPER WITH ACCESS PANEL	FD
-OR- ■	FIRE/SMOKE DAMPER WITH ACCESS PANEL	F/SD
	VOLUME CONTROL DAMPER WITH LOCKING QUADRANT	VCD
	REMOTE T'STAT WITH SENSOR IN DUCT	
(T) AC-1	THERMOSTAT; THERMOSTAT LABEL EXAMPLE : THERMOSTAT FOR AC-1	T'STAT
	POINT OF CONNECTION TO EXISTING	POC
	BYPASS TIMER	BPT
	THERMOMETER	

SYMBOL	ITEM	ABBR.
	PRESSURE GAGE	
●	SECURITY BARS	
	PETE'S PLUG	
	BALANCING COCK	
	BALL VALVE	
	BUTTERFLY VALVE	
	CHECK VALVE	
	CONCENTRIC REDUCER	
	TWO-WAY CONTROL VALVE	
	FLOW SWITCH	FS
	FLEXIBLE CONNECTION	FLEX
	GATE VALVE	
	GLOBE VALVE	
	INSTRUMENT WELL	
	PLUG VALVE	
	PRESSURE RELIEF VALVE	PRV
	"Y" TYPE STRAINER	
	UNION	
(1)	KEYNOTE	
(A)	GRILLE TAG	
EF 8	NEW EQUIPMENT TAG EXAMPLE: DESCRIPTION EF, MARK NUMBER 8	
2 M202	DETAIL REFERENCE EXAMPLE: DETAIL 2, SHEET M202	
3 M400	SECTION REFERENCE EXAMPLE: SECTION 3, SHEET M400	

GENERAL NOTES

1. COORDINATION OF WORK: LAYOUT OF MATERIALS, EQUIPMENT AND SYSTEMS IS GENERALLY DIAGRAMMATIC UNLESS SPECIFICALLY DIMENSIONED. SOME WORK MAY BE SHOWN OFFSET FOR CLARITY.
2. THE ACTUAL LOCATION OF ALL MATERIALS, PIPING, DUCTWORK, FIXTURES, EQUIPMENT, SUPPORTS, ETC. SHALL BE CAREFULLY PLANNED, PRIOR TO INSTALLATION OF ANY WORK TO AVOID ALL INTERFERENCES WITH EACH OTHER, OR WITH STRUCTURAL, ELECTRICAL, ARCHITECTURAL OR OTHER ELEMENTS.
3. VERIFY THE PROPER VOLTAGE AND PHASE OF ALL EQUIPMENT WITH THE ELECTRICAL PLANS. ALL CONFLICTS SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT AND THE ENGINEER PRIOR TO THE INSTALLATION OF ANY WORK OR THE ORDERING OF ANY EQUIPMENT.
4. PROVIDE ALL DUCT TRANSITION PIECES AND FITTINGS REQUIRED TO ACCOMMODATE MECHANICAL EQUIPMENT CONNECTIONS, STRUCTURE, ARCHITECTURAL ELEMENTS, AND CHANGES IN DUCT SIZES.
5. ALL DUCTWORK SHALL BE CONSTRUCTED, ERECTED AND TESTED IN ACCORDANCE WITH THE STANDARDS ADOPTED BY SMACNA AND CHAPTER 6 OF THE 2010 CMC.
6. ALL DUCTWORK AND PIPING SHALL BE INSULATED CONSISTENT WITH THE REQUIREMENTS OF 2013 CMC. INSULATION MATERIALS SHALL MEET THE CALIFORNIA QUALITY STANDARD PER SECTION 118, 123, AND 124 OF THE 2013 CALIFORNIA ENERGY CODE.
7. ALL DUCT SIZES SHOWN ARE NET INSIDE DIMENSIONS.
8. ALL DRAWINGS AND SPECIFICATIONS ARE TO BE CONSIDERED PART OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS PRIOR TO ANY CONSTRUCTION, INCLUDING ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMING, AND ELECTRICAL. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENT SHALL BE CORRECTED BY THE CONTRACTOR AT HIS OWN EXPENSE AND AT NO EXPENSE TO THE OWNER OR THE OWNER REPRESENTATIVE.
9. HANDLE, STORE AND INSTALL ALL EQUIPMENT PER MANUFACTURER'S INSTRUCTIONS AND AS DIRECTED IN THE PROJECT MANUAL.
10. ALL AIR SYSTEMS SHALL BE TESTED, ADJUSTED AND BALANCED TO MEET THE REQUIRED FLOW. TAB METHODOLOGY SHALL BE SUBMITTED TO OWNER REPRESENTATIVE PRIOR TO IMPLEMENTATION AND IN ACCORDANCE WITH PROJECT SEQUENCING.
11. MECHANICAL CONTRACTOR TO COMPLETE AN AIR BALANCE SURVEY FOR THE SURGICAL SUITE ROOM, AS LISTED ON THE AIR BALANCE TABLE. SEND TO ARCHITECT FOR REVIEW PRIOR TO ANY DEMO WORK.

ANCHORAGE & BRACING NOTES

PIPING SHALL BE BRACED TO RESIST THE FORCES PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.8

THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVAL OF MANUFACTURER'S CERTIFICATION WITH AN OPM #, SUCH AS MASON INDUSTRIES (OPM-0043-13), OR EQUIVALENT AS MODIFIED TO SATISFY ANCHORAGE REQUIREMENTS OF ACI 318, APPENDIX D. SUBMIT TO ENGINEER FOR APPROVAL, PRIOR TO USE.

COPIES OF THE MANUAL SHALL BE ON THE JOBSITE PRIOR TO STARTING HANGING AND BRACING OF THE PIPE.

THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

EQUIPMENT ANCHORAGE:

ALL MECHANICAL EQUIPMENT SHALL BE ANCHORED OR BRACED TO MEET THE HORIZONTAL AND VERTICAL FORCES PRESCRIBED IN THE 2012 IBC, AND ASCE 7-10 SECTIONS 13.3, 13.4, & 13.6.

THE ATTACHMENT OF THE FOLLOWING ITEMS SHALL BE DESIGNED TO RESIST THE FORCES PRESCRIBED ABOVE, BUT NEED NOT TO BE DETAILED ON THE PLANS:

A. EQUIPMENT WEIGHING LESS THAN 400 LBS. SUPPORTED DIRECTLY ON THE FLOOR OR ROOF. CONTRACTOR TO SUBMIT DETAILS FOR ENGINEER APPROVAL.
B. FURNITURE REQUIRED TO BE ATTACHED IN ACCORDANCE WITH PART 2, TITLE 24, C.C.R.
C. TEMPORARY OR MOVABLE EQUIPMENT
D. EQUIPMENT WEIGHING LESS THAN 20 LBS. SUPPORTED BY VIBRATION ISOLATORS
E. EQUIPMENT WEIGHING LESS THAN 20 LBS. SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE MECHANICAL ENGINEER.

SHEET INDEX

M001 MECHANICAL SCHEDULES, LEGEND, AND GENERAL NOTES
M200 MECHANICAL DEMO PLAN - THIRD FLOOR
M201 MECHANICAL DEMO PLAN - THIRD FLOOR
M210 MECHANICAL PLAN - THIRD FLOOR
M500 MECHANICAL DEMO ROOF PLAN
M501 PROPOSED MECHANICAL ROOF PLAN
M800 MECHANICAL DETAILS
M801 CONTROL DIAGRAMS

Revisions:	Date
REVISION CONSTRUCTION DOCUMENTS (100%)	3-5-15
REVISION CONSTRUCTION DOCUMENTS (90%)	12-8-14
CONSTRUCTION DOCUMENTS (60%)	10-27-14

CONSULTANTS:

100% CONSTRUCTION DOCUMENTS

REGISTERED PROFESSIONAL ENGINEER JOELON DWAYNE CHINN M 35794 EXP. 3-31-16 MECHANICAL STATE OF CALIFORNIA 3-5-15

ARCHITECT/ENGINEERS:

Project No. 13-9111.00

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ARCHITECTS ENGINEERS CONNECTED

Drawing Title: MECHANICAL SCHEDULES, LEGEND, & GENERAL NOTES

Approved: Project Director

Project Title: VA REPLACE SURGERY EXHAUST SYSTEM, BLDG 1, 3RD FLR

Location: FRESNO, CA

Date: 3-5-15 | Checked | Drawn

Project Number: 570-13-211

Building Number: 1

Drawing Number: M001

Office of Construction and Facilities Management

Department of Veterans Affairs