



HOT WATER BOILER SCHEDULE														
DESCRIPTION	QTY	LOCATION	TYPE	CAPACITY Kcal/hr	WORKING PRESSURE Bar	BOILER DIMENSION L x W x H (m)		WEIGHT (KG)	FUEL CONS. m ³ /hr	BURNER			REMARK	REMARK
HWB-1&2	2	MECH.ROOM	CAST IRON HOT WATER BOILER	341,000	4	2.02 x 0.73 x 1.02		1500	45	GAS	1.1	1	220	CHAUFFAGEKAR-TURBO-11 OR SIMILAR EACH 100 DUTY

DOMESTIC HOT WATER GENERATOR SCHEDULE-WATER TO WATER														
DESCRIPTION	QTY.	LOCATION	TANK SPECIFICATION						COIL SPECIFICATION					
			TYPE	DIAMETER cm	HIGHT cm	WEIGHT KG	CAPACITY LITS	WATER ENTER °F	WATER LEAVE °F	G.P.H.	WORKING PRESSURE PSI	MODEL	HEATING CAPACITY BTU/Hr	COIL SURFACE (ft ²)
D.H.W.G-1,2	1	MECH. ROOM	VERTICAL TANK STORAGE	1.1	150	420	1500	40	140	385	6	IRANMAKHAN MFK-15 OR SIMILAR	325000	42

PUMP SCHEDULE															
ITEM	PUMP NO.	QTY	STAND BY	SERVICE	LOCATION	TYPE	FLOW	HEAD	MOTOR DATA						REMARK
							gpm	ft	RPM	HP	VOLTS	PHASE	CYCLE	SPEED	
1	P1a,b	2	—	HEATING COIL CIR.	MECH. ROOM	CENTRIFUGAL-IN LINE	80	36	1450	2	380	3	50	CONSTANT	WIL0 IL50/200
2	P-2	1	—	D.H.W.G.1 HOT WATER	MECH. ROOM	CENTRIFUGAL-IN LINE	32.5	20	1450	0.5	380	3	50	CONSTANT	WIL0 IL32/150
3	P-3	1	—	D.H.W.G.2 HOT WATER	MECH. ROOM	CENTRIFUGAL-IN LINE	32.5	20	1450	0.5	380	3	50	CONSTANT	WIL0 IL32/150
4	P-4	1	—	DOMESTIC HOT WATER RETURN	MECH. ROOM	CENTRIFUGAL-IN LINE	10	10	2900	0.2	220	1	50	CONSTANT	WIL0 TOP50/5

WATER SOFTENER SCHEDULE											
ITEM	LOCATION	TYPE	MAX FLOW RATE (GPM)	RESIN VOLUME (LIT)	PRESSURE DROP (KPa)	WORKING PRESSURE (bar)	GENERAL DIM. L X W X H (CM)	BRINE TANK VOL. (LIT)	EACH CYCLE (hr)	SOFTENER CAPACITY (GRAIN/DAY)	REMARKS
WS-01	MECH.ROOM	AUTOMATIC	6.5	125	20	6	83 X 70 X 185	220	12	140000	PACKMAN – PSW15

EXHAUST FAN SCHEDULE										
DESCRIPTION	QUANTITY	TYPE	LEVEL	SERVICE TO	AIR QUA CFM	EXT.SP. in.wg.	FAN RPM	MOTOR		REMARK
E.F.1	1	UTILITY FAN BACK WARD CURVE	ROOF	KITCHEN HOOD	13600	1.5	1400	3	11	—
E.F.2	1	UTILITY FAN BACK WARD CURVE	ROOF	KITCHEN HOOD	3600	1.5	1400	3	3	—
E.F.3	1	UTILITY FAN BACK WARD CURVE	ROOF	KITCHEN HOOD	5300	1.5	1400	3	3	—
E.F.4	1	POWER ROOF	ROOF	TOILET EXH.	500	0.5	1400	1	0.25	—
E.F.5	1	POWER ROOF	ROOF	STORAGE EXH.	500	0.5	1400	1	0.25	—
E.F.6	1	POWER ROOF	ROOF	STORAGE EXH.	500	0.5	1400	1	0.25	—
E.F.7	1	POWER ROOF	ROOF	STORAGE EXH.	500	0.5	1400	1	0.25	—
E.F.8	2	POWER ROOF	ROOF	STORAGE EXH.	500	0.5	1400	1	0.25	—

AIR WASHERS PERFORMANCE TABLE														
DESCRIPTION	USAGE	AIR WASHERS DESCRIPTION		HEATING COIL			BLOWERS DESCRIPTION			PUMP DESCRIPTION		DOMESTIC WATER		REMARKS
		AIR FLOW RATE CFM	WATER/FLUID I/O TEMP. °F	HEAT CAPACITY BTU/hr	HEAT LOAD BTU/hr	HEAT EXCH. TYPE	WATER/FLUID I/O TEMP. °F	WATER/FLUID I/O TEMP. °F	WATER/FLUID I/O TEMP. °F	WATER/FLUID I/O TEMP. °F	WATER/FLUID I/O TEMP. °F	WATER/FLUID I/O TEMP. °F	WATER/FLUID I/O TEMP. °F	
AW-1	KITCHEN	22500	60	97.5/65.5	500	BY VENDOR	130	100/140	130/100	50-3-380	100	2 X 10	0.7	1.7

SPILET SCHEDULE									
DESCRIPTION	COLING CAPACITY BTU/hr	HEATING CAPACITY BTU/hr	PH—V—Hz	POWER		DESCRIPTION	MODEL	DIMENSION INDOOR UNIT WxHxD(mm)	DIMENSION OUTDOOR UNIT WxHxD(mm)
INDOOR UNIT-01	12'000	12'000	1-220-50	1.31	5.8	OUTDOOR UNIT-01	LG	840x270x150	770x540x245
INDOOR UNIT-02	24'000	24'000	1-220-50	2.5	11.5	OUTDOOR UNIT-02	LG	1090x300x180	870x655x320

EXPANSION TANKS SCHEDULE							THREE-WAY VAYLE SCHEDULE						
DESCRIPTION	SERVICE	LOCATION	TYPE	CAPACITY (LITS)	QTY.	THICKNESS (mm)	REMARKS	NO.	SIGN	DESCRIPTION	LOCATION	QTY.	INCH DIM.
EXP.T-1 (H.W.)	HOT WATER SYSTEM	MECH. ROOM	HORIZONTAL (AIR)	750	1	6	—	1	V-1	3-WAY VALVE	AW-1 (HEATING COIL)	1	2 1/2

00	1399/3/17	IFA	PROJECT:
REVISION NO.	DATE	DISCRPTION	Golgohar Steel Project
G.I.S.D.Co			PROJECT REF. NO.
DRAWING TITLE :			REV.
DRP KITCHEN			
SPECIFICATION TABLE AND MECHANICAL FLOW DIAGRAM			
BARSOO			SIGNATURE
DESIGNED			DATE
DRAWN			SCALE
157DVB1045009			SIZE
REV.			PROJECT REF. NO.
CHECKED			
APPROVED			