SCOPE OF WORK

REUSE EXISTING (2) 6.0 TON ROOF TOP UNITS AND PROVIDE NEW DUCTWORK AND NECESSARY ACCESSORIES FOR COMPLETE HVAC SYSTEM.

PROVIDE 2 NEW RESTROOM EXHAUST FANS & 1 NEW OTHER EXHAUST FAN AS SHOWN IN PLAN.

COORDINATE WITH GC ANY ADDITIONAL REFRIGERATION WORK REQUIRED AND PLUMBING CONTRACTOR PROVIDING CONDENSATE LINES FOR MECHANICAL EQUIPMENT.

MECHANICAL PLAN NOTES

- A. REUSE EXISTING (2) 6.0 TON ROOF TOP UNITS AND PROVIDE COMPLETE NEW DUCTWORK AND NECESSARY ACCESSORIES FOR COMPLETE HVAC SYSTEM. PROVIDE FLEXIBLE CONNECTORS ON SUPPLY AND RETURN AIR DUCT CONNECTIONS. PROVIDE DUCTWORK AND AIR DISTRIBUTION DEVICES AS INDICATED ON THE PLAN. REFER TO A/C UNIT SCHEDULE FOR ADDITIONAL REQUIREMENTS.
- FOR SYSTEM OVER 2,000 CFM CHECK FOR DUCT MOUNTED AIR SMOKE DETECTORS AND MEET THE REQUIREMENTS OF U.L. 268A, INTERLOCKED TO SHUTDOWN A/C UNIT UPON DETECTION OF SMOKE. IF NECESSARY PROVIDE SMOKE DETECTOR WITH AN ANNUNCIATOR, ALARM AND POWER L.E.D.'S FOR VISIBLE AND AUDIBLE ALARM SIGNAL, AND VISIBLE TROUBLE SIGNAL. MOUNT ANNUNCIATOR ON ROOM SIDE OF CEILING.
- C. ALL DUCTS WILL BE OF FIBERBOARD. FABRICATED AND INSTALLED IN ACCORDANCE WITH NAIMA FIBROUS GLASS DUCT CONSTRUCTION STANDARD, LATEST EDITION OF SMACNA FIBROUS GLASS DUCT CONSTRUCTION STANDARDS, SMACNA HVAC AIR DUCT LEAKAGE TEST MANUAL LATEST EDITION, AND 2020 FBC 7TH EDITION, SECTION 603. THE MORE STRINGENT REQUIREMENT OF ANY CODES SHALL APPLY.
- FACTORY-MADE FLEXIBLE AIR DUCTS AND CONNECTORS SHALL BE NOT MORE THAN 5 FEET IN LENGTH AND SHALL NOT BE USED IN LIEU OF RIGID ELBOW OR FITTINGS. FLEXIBLE AIR DUCTS SHALL BE PERMITTED TO BE USED AS AN ELBOW AT A TERMINAL DEVICE.
- THERMOSTATS SHALL BE 7-DAY PROGRAMMABLE TYPE. MOUNT THERMOSTAT 48" A.F.F. IF EXISTING THERMOSTAT AND REMOTE SENSOR ARE NOT REUSABLE THEN PROVIDE NEW THERMOSTAT WITH LOCKABLE COVER. COORDINATE LOCATION OF THERMOSTAT. PROVIDE REMOTE SENSOR LOCATED 72" ABOVE FINISHED FLOOR NEAR LOCATION INDICATED. SEAL WALL OPENINGS WITH CAULK. COORDINATE LOCATION ON SITE WITH GENERAL CONTRACTOR AND EQUIPMENT.
- F. ALL INDOOR DUCT AND PLENUM INSULATION SCHEDULE;
- CONCEALED, RECTANGULAR, ROUND AND FLAT-OVAL, SUPPLY-RETURN, OUTDOOR-AND EXHAUST-AIR DUCT AND AIR PLENUM INSULATION:
- FLEXIBLE ELASTOMERIC, MINERAL-FIBER BLANKET, MINERAL-FIBER BOARD OR POLYOLEFIN WITH MINIMUM INSTALLED THERMAL RESISTANCE AS FOLLOWS:

	SA PLENUM	RA PLENUM
UNCONDITIONED SPACES	R-4.2	R-4.2
UNVENTED ATTIC ABOVE INSULATED CEILING	R-6	R-4.2
EXTERIOR BUILDING	R-6	R-4.2

- G. ALL SEAMS, JOINTS, ETC WILL BE SEALED TO MAKE AIR DUCT AIRTIGHT. PRESSURE SENSITIVE MATERIALS AND OTHERS APPROVED BY LATEST SMACNA. SEALING MATERIALS WILL BE USED.
- H. ALL EVAPORATOR UNITS SHALL HAVE A FLOAT SWITCH TO CONTROL OVERFLOW THAT WILL AUTOMATICALLY SHUT DOWN THE RTU SYSTEM. THE DEVICE SHALL BE ATTACHED TO THE SECONDARY DRAIN OUTLET ON THE UNIT.
- ALL CONDENSATE DRAINS WILL BE PVC FULL DIAMETER OF OUTLET AND WILL TERMINATE IN THE NEAREST APPROVED PLACE OF DISPOSAL.
- ALL EQUIPMENT AND MATERIALS WILL BE INSTALLED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS AND ACCORDING TO THE BEST PRACTICE.
- TESTING AND BALANCING SHALL BE DONE IN ACCORDANCE WITH 2020 FBC ENERGY CONSERVATION, 7TH EDITION SECTION C408.2.2. BALANCING PROCEDURES SHALL BE IN ACCORDANCE WITH THE NATIONAL ENVIRONMENTAL BALANCING BUREAU (N.E.B.B.), THE ASSOCIATED AIR BALANCE COUNCIL (A.A.B.C) NATIONAL STANDARDS OR EQUIVALENT PROCEDURES.
- HANGER ATTACHMENTS TO THE STEEL STRUCTURE WILL BE RATED POWDER ACTUATED FASTENERS, "C" CLAMPS, WELDED STUDS, CLAMP HANGERS, JOIST CLAMPS OR OTHER METHODS RECOMMENDED BY SMACNA'S "METAL AND FLEXIBLE STANDARDS", CHAPTER 4, AND WILL HAVE A MINIMUM SAFETY MARGIN OF 4:1. SUSPENDED FROM TOP CHORD OF JOISTS, NOTHING FROM DECK OR CROSS BRACING.
- M. ALL HVAC CONTROLS AND CONTROL WIRING SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR.
- N. PROVIDE FIRE OR FIRE+SMOKE DAMPER WHEREVER DUCTS ARE CROSSING FIRE/SMOKE RATED WALLS/BARRIERS/SLABS. COORDINATE WITH ARCHITECTURAL DRAWING FOR FIRE RATING OF THE WALLS.

GREENACRES, FLORIDA BUILDING DEPARTMENT NOTES

ALL WORK SHALL COMPLY WITH APPLICABLE SECTIONS OF 2020 FLORIDA BUILDING CODE AND ALL AMENDMENTS AND RULES AND REGULATIONS OF THE DEPARTMENT OF BUILDINGS TO DATE.

- 1. ALL HEATING AND COOLING LOADS CALCULATED PER ASHRAE/ACCA 183. 2. VENTILATION FOR ALL AREA SHALL COMPLY WITH 2020 FLORIDA MECHANICAL CODE 7TH EDITION 401. 3. THE LICENSED PROFESSIONAL ENGINEER, ARCHITECT OR OTHER PERSON HAVING NOT LESS THAN FIVE (5) YEARS EXPERIENCE SUPERVISING THE INSTALLATION OF SUCH MECHANICAL SYSTEMS AND CONDUCTING SUCH
- TESTS WILL FILE DOCUMENTATION AND REPORTS OF TESTS THAT THE SYSTEM COMPLIES WITH THE CONSTRUCTION DOCUMENTS AND APPLICABLE LAWS. 4. SMOKE DETECTOR SHALL MEET UL268A.
- 5. THE FOLLOWING WORK ITEMS, COMPONENTS, MATERIALS, CAPACITIES, ETC. SHALL COMPLY WITH THE REFERENCED CODE OR STANDARD:
- A. STANDARD OF HEATING- 2020 FLORIDA MECHANICAL CODE, 7TH EDITION 309.1
- B. DUCT CONSTRUCTION AND INSTALLATION- 2020 FLORIDA MECHANICAL CODE, 7TH EDITION 603 C. AIR INTAKES, EXHAUSTS AND RELIEF - 2020 FLORIDA MECHANICAL CODE, 7TH EDITION 401.5
- D. AIR FILTER 2020 FLORIDA MECHANICAL CODE, 7TH EDITION 605
- E. SMOKE DETECTION SYSTEM CONTROL- 2020 FLORIDA MECHANICAL CODE, 7TH EDITION 606
- 6. MINIMUM TEMPERATURE TO BE MAINTAINED IN OCCUPIED SPACES DURING HEATING SEASON: 68 DEG. FAHRENHEIT. STATEMENT SHALL BE FILED BY THE OWNER OR TENANT IN POSSESSION THAT THE VENTILATION SYSTEM WILL
- BE KEPT IN CONTINUOUS OPERATION AT ALL TIMES DURING THE NORMAL OCCUPANCY OF THE STRUCTURE AS REQUIRED BY 2020 FLORIDA BUILDING CODE, MECHANICAL 403.3 8. REFER TO ARCHITECTURAL DRAWINGS FOR REQUIRED FIRE-RATED WALL AND SMOKE WALL CONSTRUCTION AND
- LOCATION. 9. THESE PLANS ARE APPROVED ONLY FOR THE WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET.
- ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON OR TO BE CONSIDERED AS BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.
- 10. VENTILATION SYSTEM SHALL BE BALANCED TO MAINTAIN THE MINIMUM VENTILATION AIRFLOW RATE AS SHOWN IN VENTILATION REQUIREMENT TABLE. THE SYSTEM SHALL BE BALANCED BY APPROVED METHOD - 2020 FLORIDA MECHANICAL CODE 7TH EDITION 403.3.1.5. CONTRACTOR TO SUBMIT THE AIR-BALANCE REPORT TO INSPECTOR OF RESPECTIVE BUILDING DEPARTMENT PRIOR TO FINAL INSPECTION.

GENERAL NOTES	THERMOSTATIC CONTROLS				
CONTRACTORS AND SUB-CONTRACTORS SHALL CAREFULLY REVIEW THE CONSTRUCTION DOCUMENTS. INFORMATION REGARDING THE COMPLETE WORK IS DISPERSED THROUGHOUT	C403.2.4 HVAC SYSTEM CONTROLS	OCCU MECI	PANCY CALC HANICAL,7th I	ULATION PE EDITION,TAB	R 2020 BLE 403.
THE DOCUMENT SET AND CANNOT BE ACCURATELY DETERMINED WITHOUT REFERENCE TO THE COMPLETE DOCUMENT SET. PAY SPECIAL ATTENTION TO THE RESPONSIBILITY SCHEDULE. WORK DESIGNATED ON SCHEDULE SHALL BE CONSIDERED INCLUDED IN YOUR SCOPE OF WORK AND CONTRACT AMOUNT.	EACH HEATING AND COOLING SYSTEM SHALL BE PROVIDED WITH THERMOSTATIC CONTROLS AS SPECIFIED IN SECTION C403.2.4.1, C403.2.4.1.3, C403.2.4.2, C403.2.4.3, C403.2.12.5, C403.3.1, C403.4, OR C403.4.4.	LAUNDRY OFFICE SERVICE AREA	2265 SQ. FT. @ 67 SQ. FT. @ 108 SQ. FT. @		0SQ.FT. 0SQ.FT. 0SQ.FT.
CONTRACTOR TO VERIFY THAT ALL EQUIPMENT SHOWN AS EXISTING MATCHES THE DESCRIPTIONS AND SPECIFICATIONS SHOWN ON DRAWINGS AND SCHEDULES. IF DIFFERENT	THE SUPPLY OF HEATING AND COOLING ENERGY TO EACH ZONE SHALL BE				TOTAL
NOTIFY ARCHITECT/ENGINEER BEFORE BIDDING, ORDERING, OR PROCEEDING WITH WORK. DRAWINGS/DETAILS ARE TO BE CONSIDERED DIAGRAMMATIC, NOT NECESSARILY SHOWING	CONTROLLED BY INDIVIDUAL THERMOSTATIC CONTROLS CAPABLE OF RESPONDING TO TEMPERATURE WITHIN THE ZONE. WHERE HUMIDIFICATION OR DEHUMIDIFICATION OR BOTH IS PROVIDED, AT LEAST	VENTIL MECH	ATION REQUI IANICAL 7th E	REMENTS PI EDITION, TAE	ER 2020 3LE 403.
IN DETAIL OR TO SCALE ALL MINOR ITEMS. UNLESS SPECIFIC DIMENSIONS ARE SHOWN, THE STRUCTURAL, ARCHITECTURAL AND SITE CONDITIONS SHALL GOVERN EXACT LOCATIONS. CONTRACTOR SHALL FOLLOW DRAWINGS IN LAYING OUT WORK, AND CHECK/COORDINATE DRAWINGS OF ALL TRADES	CONTROL SYSTEM. EXCEPTION: INDEPENDENT PERIMETER SYSTEMS THAT ARE DESIGNED TO OFFSET ONLY BUILDING ENVELOPE HEAT LOSSES GAINS OF BOTH	LAUNDRY OFFICE	25 PEOPLE. 67 SQ. FT.	X 25 CFM/PEOF X 0.06 CFM/SQ	PLE. =
COORDINATE WITH THE WORK OF OTHERS SECTIONS, EQUIPMENT FURNISHED BY OTHERS, REQUIREMENTS OF THE OWNER, AND WITH THE CONSTRAINTS OF THE EXISTING	SERVING ONE OR MORE PERIMETER ZONES ALSO SERVED BY AN INTERIOR SYSTEM PROVIDED: 1. THE PERIMETER SYSTEM INCLUDES AT LEAST ONE THERMOSTATIC	SERVICE AREA	108 SQ. FT. 2 PEOPLE.	X 0.12 CFM/PEO	PLE. = . FT. = PLE. =
FIELD INSTALLATION AND TRADE COORDINATION. NOTIFY ARCHITECT OF ANY DISCREPANCIES BEFORE STARTING WORK.	CONTROL ZONE FOR EACH BUILDING EXPOSURE HAVING EXTERIOR WALLS FACING ONLY ONE ORIENTATION (WITHIN +/-45 DEGREES) (0.8 RAD) FOR MORE THAN 50 CONTIGUOUS FEET (15 240 MM); AND	OUTSIDE AIR REC	UIRED		-(
DRAWINGS FOR HVAC WORK ARE DIAGRAMMATIC, SHOWING THE GENERAL LOCATION, TYPE, LAYOUT, AND EQUIPMENT REQUIRED. THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENT. REFER TO MANUFACTURER'S STANDARD INSTALLATION DRAWINGS FOR EQUIPMENT CONNECTIONS AND INSTALLATION REQUIREMENTS. PROVIDE DUCTWORK,	2. THE PERIMETER SYSTEM HEATING AND COOLING SUPPLY IS CONTROLLED BY THERMOSTATS LOCATED WITHIN THE ZONES SERVED BY THE SYSTEM.	AIR BALANCE O/A PROVIDED TH	IROUGH RTU-1(E)		
CONNECTIONS, ACCESSORIES, OFFSETS, AND MATERIALS NECESSARY FOR A COMPLETE SYSTEM.	C403.2.4.1.2 DEADBAND WHERE USED TO CONTROL BOTH HEATING AND COOLING, ZONE THERMOSTATIC CONTROLS SHALL BE CAPABLE OF PROVIDING A	BEF-1 (N) BEF-2 (N)	ROUGH RTU-2(E)	_V	
ALL WORK SHALL COMPLY WITH STATE AND LOCAL CODE REQUIREMENTS AS APPROVED AND AMENDED BY THE GOVERNING CITY. PURCHASE ALL PERMITS ASSOCIATED WITH THE WORK. OBTAIN ALL INSPECTIONS REQUIRED BY CODE.	TEMPERATURE RANGE OR DEADBAND OF AT LEAST 5°F (2.8°C) WITHIN WHICH THE SUPPLY OF HEATING AND COOLING ENERGY TO THE ZONE IS CAPABLE OF BEING SHUT OFF OR REDUCED TO A MINIMUM.	EF-1 (N) BUILDING PRESS		C RELIEF)	
. USE OF COMBUSTIBLE MATERIALS IS NOT ALLOWED IN THE RETURN AIR PLENUM. MATERIALS USED IN THE PLENUM SHALL HAVE FLAME SPREAD RATING NOT TO EXCEED 25, AND SMOKE DEVELOPED RATING NOT TO EXCEED 50 WHEN TESTED IN ACCORDANCE WITH ASTM E 84.	EXCEPTIONS: 1. THERMOSTATS REQUIRING MANUAL CHANGEOVER BETWEEN HEATING AND COOLING MODES.		FAN SCHEDI	JLE	
ALL EXPOSED WIRING IN THE PLENUM SHALL BE PLENUM RATED. VERIFY LOCATION OF PERMISSIBLE NEW STRUCTURAL ROOF PENETRATIONS AND ADAPT THE REQUIRED DUCTS ACCORDINGLY. THE OPENINGS MUST BE LOCATED USING A REBAR	2. OCCUPANCIES OR APPLICATIONS REQUIRING PRECISION IN INDOOR TEMPERATURE CONTROL AS APPROVED BY THE CODE OFFICIAL. C403.2.4.1.3 SET POINT OVERLAP RESTRICTION	DESIGNATION	BEF-1 (N)	BEF-2 (N	N)
LOCATOR, TRYING TO LEAVE A TRANSVERSE BAR WITHIN 4" FROM THE OPENING. LOCATE OPENINGS AT MID-DISTANCE BETWEEN THE STEMS OF THE DOUBLE TEE AND LONGITUDINAL REINFORCEMENT SHALL NEVER BE CUT. CALL THE ARCHITECT'S OFFICE IN CASE OF	WHERE A ZONE HAS A SEPARATE HEATING AND A SEPARATE COOLING THERMOSTATIC CONTROL LOCATED WITHIN THE ZONE, A LIMIT SWITCH, MECHANICAL STOP OR DIRECT DIGITAL CONTROL SYSTEM WITH SOFTWARE	STATUS QUANTITY	1	NEW	
ALL A/C AND FRESH AIR ROUND EXPOSED DUCTS WILL BE SPIRAL GALVANIZED AND READY FOR PAINTING. ALL RECTANGULAR DUCTS OVER CEILINGS MAY BE SHEET METAL WITH	PROGRAMMING SHALL BE PROVIDED WITH THE CAPABILITY TO PREVENT THE HEATING SET POINT FROM EXCEEDING THE COOLING SET POINT AND TO MAINTAIN A DEADBAND IN ACCORDANCE WITH SECTION C403.2.4.1.2.	MANUFACTURER	GREENHECK SP-A90	GREENHE SP-A90	ECK
EXTERNAL INSULATION AND EXPOSED DUCTWORK WITH INTERNAL INSULATION. G.C. SHALL CONTRACT LANDLORD-APPROVED ROOFING CONTRACTOR TO FLASH AND SEAL ALL ROOF PENETRATIONS TO MAINTAIN ROOFING WARRANTY.	C403.2.4.2 OFF-HOUR CONTROLS EACH ZONE SHALL BE PROVIDED WITH THERMOSTATIC SETBACK CONTROLS THAT ARE CONTROLLED BY EITHER AN AUTOMATIC TIME CLOCK	CFM	70@ 0.3" W.C. ESP	. 70@ 0.3" V ESP	W.C.
REQUIRED INSURANCE SHALL BE PROVIDED BY THE PLUMBING CONTRACTOR FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE	OR PROGRAMMABLE CONTROL SYSTEM. <u>EXCEPTIONS:</u> 1. ZONES THAT WILL BE OPERATED CONTINUOUSLY.	AMPS	0.17 BDD,LITE KIT	0.17 BDD,LITE	КІТ
WORK. CONSTRUCTION "AS BUILT" DRAWINGS AND DOCUMENTS SHALL BE PROVIDED TO THE	2. ZONES WITH A FULL HVAC LOAD DEMAND NOT EXCEEDING 6,800 BTU/H (2 KW) AND HAVING A READILY ACCESSIBLE MANUAL SHUTOFF	WEIGHT (LBS)	12	12	
OWNER WITHIN 30 DAYS AFTER THE DATE OF ACCEPTANCE AND PROVIDE COPY TO LL.	SWITCH. C403.2.4.2.1 THERMOSTATIC SETBACK CAPABILITIES	VOLTAGE (V/P/Hz	<u>)</u> 115/60/1	115/60/	(1
OWNER.	THERMOSTATIC SETBACK CONTROLS SHALL HAVE THE CAPABILITY TO SET BACK OR TEMPORARILY OPERATE THE SYSTEM TO MAINTAIN ZONE TEMPERATURES DOWN TO 55°F (13°C) OR UP TO 85°F (29°C).	NOTE: 1. PROVIDE DISC 2. BEF-1(N) & BE 3. PROVIDE BAC	CONNECT SWITCH F-2(N) SHALL BE: K DRAFT DAMPEH	⊣. INTERLOCKED V R.	WITH RTU-
MECHANICAL SYMBOLS	AUTOMATIC TIME CLOCK OR PROGRAMMABLE CONTROLS SHALL BE CAPABLE OF STARTING AND STOPPING THE SYSTEM FOR SEVEN DIFFERENT DAILY SCHEDULES PER WEEK AND BETAINING THEIR	4. EF-1(N) INTEF		M LIGHTS.	
EXHAUST FAN ROOF MOUNTED EXHAUST FAN OUTLET	PROGRAMMING AND TIME SETTING DURING A LOSS OF POWER FOR AT LEAST 10 HOURS, ADDITIONALLY, THE CONTROLS SHALL HAVE A MANUAL OVERRIDE THAT ALLOWS TEMPORARY OPERATION OF THE SYSTEM FOR UP		TITUS	DIF	FUSER
RETURN OR EXHAUST AIR DUCT	TO 2 HOURS; A MANUALLY OPERATED TIMER CAPABLE OF BEING ADJUSTED TO OPERATE THE SYSTEM FOR UP TO 2 HOURS; OR AN OCCUPANCY SENSOR.	DESIGNATION	A	R	В
INSULATED RIGID DUCTWORK	C403.2.4.2.3 AUTOMATIC AND OPTIMUM START CAPABILITIES (MANDATORY) AUTOMATIC START CONTROLS SHALL BE PROVIDED FOR EACH HVAC	ТҮРЕ	SUPPLY	RETURN	SUPPI
	SYSTEM. THE CONTROLS SHALL BE CONFIGURED TO AUTOMATICALLY ADJUST THE DAILY START TIME OF THE HVAC SYSTEM IN ORDER TO BRING	MODEL	TDC-AA	56FL 2	250-AA(2/3
COPPOSED BLADE DAMPER	EACH SPACE TO THE DESIRED OCCUPIED TEMPERATURE IMMEDIATELY PRIOR TO SCHEDULED OCCUPANCY.	MOUNTING	CEILING	CEILING	CEILIN
	INDIVIDUAL HEATING AND COOLING SYSTEMS WITH SETBACK CONTROLS AND DIRECT DIGITAL CONTROL SHALL HAVE OPTIMUM START CONTROLS. THE CONTROL ALCORITHM SHALL AS A MINIMUM BE A FUNCTION OF THE	LOCATION	AS SHOWN	AS SHOWN	BATHRO
SUPPLY DIFFUSER REFER TO DIFFUSER RS REMOTE SENSOR	DIFFERENCE BETWEEN SPACE TEMPERATURE AND OCCUPIED SET POINT, THE OUTDOOR TEMPERATURE, AND THE AMOUNT OF TIME PRIOR TO		24" X 24"	24" X 24"	12"X1: REFER
FOR SPECIFICATIONS (T), TEMPERATURE SENSOR	SCHEDULED OCCUPANCY. MASS RADIANT FLOOR SLAB SYSTEMS SHALL INCORPORATE FLOOR TEMPERATURE INTO THE OPTIMUM START		TABLE A	-	TABLE
Ø ROUND DUCT DIAMETER	ALGORITHM.	FRAME TYPE			VOLU
REFER TO DIFFUSER S/A SUPPLY AIR SCHEDULE FOR SPECIFICATIONS B/A BETLIENLAIR		NOTES :	DAMPER	-	DAMPI
CEILING MOUNTED SG SUPPLY GRILLE	EXISTING CONDITION NOTES	1. MAX. NC LEV 2. PROVIDE SQ 3. CONFIRM WI	EL 30 OR LESS. UARE TO ROUND TH ARCHITECT/O	NECK ADAPTOR	R. IT AND FIN
MOTORIZED DAMPER BACKDRAFT DAMPER	UNTIL EXISTING FIELD CONDITIONS ARE PROPERLY VERIFIED. THIS SHALL HOLD TRUE FOR FIRST GENERATION AND SECOND GENERATION SPACES. WHEN DEMOLITION IS REQUIRED. THAT WILL BE PERMITTED TO EXPOSE	4. PROVIDE 4 W	AY AIR THROW P	ATTERN UNLESS	SNOTES
s MANUAL ON/OFF SWITCH PRESSURE DIFFERENTIAL SENSOR	CONDITIONS. THESE VERIFICATIONS SHALL INCLUDE BUT NOT LIMITED TO: DIMENSIONS BOTH HORIZONTAL AND VERTICAL, ELECTRICAL SERVICE/PANELS LOCATION AND VOLTS/PHASE. LOCATION/QTY. OF ROOF				
NOTE: THIS PROJECT MAY NOT USE EVERY SYMBOL OR DEVICE APPEARING ON THIS I FORND	MOUNTED HVAC EQUIPMENT, CONFIRM THAT INTERIOR HVAC HUNG UNITS HAVE PROPER SUPPORT CONNECTIONS FOR EXISTING STRUCTURE, FIRE SPRINKLER MAIN RUNS, TOILET ROOM DIMENSIONS, DOOR SWING FOR				
	DOORS TO REMAINED ETC. IF NOT VERIFIED AND DISCOVERED AT A LATER TIME, THE CONTRACTOR SHALL REIMBURSE THE ARCHITECT FOR THE REDESIGN FEE. THIS DOES NOT INCLUDE HIDDEN WORK I.E. PITCH OF				
	SANITARY LINES, ACTUAL CONDITIONS OF EXISTING HVAC EQUIPMENT, STRUCTURAL COLUMNS/BEARING WALLS OR CONDITIONS OF GREASE INTERCEPTORS AND ETC.				

												20
N PI	ER 2020	FBC -				ROOF	TOP	UNIT SCH	IEDULE			S
,TA	BLE 403.	.3.1.1		UNIT TAG			RT	U -1 (E)	RT	U -1 (E)		8
E/10	00SQ.FT.	23 P	EOPLE								-	لكك ا
E/10	00SQ.FT.	2 P					EL					0.0.0
<i>د</i> /10		2 P		MANUFACT	URER		GO	UDMAN	GO	UDMAN	-	
	TOTAL	27 P	EOPLE	MODEL		c	PC072XX	(3BXXXBA (V.I.F)	CPC072XXX	(3BXXXBA (V.I.F)		0 0 0
TS F	PER 2020	0 FBC -		STATUS			EX	ISTING	EX	ISTING		
IA	BLE 403	.3.1.1		MOUNTING			F	ROOF	F	ROOF		
/PEC	DPLE. =	57	5 CFM	NOMINAL C	APACITY		6	TONS	6	TONS		
M/S(//PE	Q.FT.=	4	4 CFM	TOTAL COC			71.	0 (V.I.F)	71	.0 (V.I.F)	_	
M/S	Q. FT. =	1	3 CFM				48.	3 (V.I.F)	48	.3 (V.I.F)	_	
1/PE	OPLE. =		5 CFM				15.	0 (V.I.F)	15.	.0 (V.I.F)	-	((Մ))
		61	7 CFM	ESP (IN, OF	W.C.)	-		S.A.E S A F		S.A.E	_	\bigcirc
		62	0 CFM	EFR / SEER				SAF		SAF	-	
				SUPPLY AIF	R (CFM)		240	0.7.12 00 (V.I.F)	240	00 (V.I.F)	-	
		+31	0 CFM	OUTDOOR	AIR (CFM)			310		310	-	
	/ 1	+31	0 CFM	VOLTAGE/F	PH/Hz		208-	-230/3/60	208-	230/3/60	_	
K		-7 -7	0 CFM	MCA (A)			51.	0 (V.I.F)	51	.0 (V.I.F)		
		-7	O CFM	MOCP (A)			60.	0 (V.I.F)	60	.0 (V.I.F)		
		+41	0 CFM	WEIGHT (Ib	s)		:	S.A.E		S.A.E		>
•				NOTES FO	OR EXISTING RT	U-1(E) & RTU	<u>-2(E)</u>					
				1. EXISTI 2. GC NE	NG KTU WITH A EDS TO VERIFY	LL ACCESSO	RIES TO R	IEIMAIN SAME ANI HE EXISTING RTU	י ט אב REUSE	Ξ U .		
	(NI)			3. S.A.E :		TING. V.I.F - V	ERIFY IN F	TELD. TU IN WORKING	Э АТ ТНЕЮ	100% RATED		
<u>:</u> ⊢-2	(IN)	EF-1 (I	IN)	CAPAC	ITIES/LOADS. IN			GINEER IF ANY D	ISCREPANCIES	ARE FOUND IN		
NEW	1	NEW	/	5. CONTF	RIVIANCE PRIOF	LD VERIFY EX	ACT LOC	ATION AND CONF	IGURATION OF	UNIT ON SITE.		
1		1		6. IF REG	UIRED , PROV EXISTING P	IDE NEW TH TU. CO-OP	ERMOSTA	T AND TEMPER	ATURE SENSO	R COMPATIBLE ENSOR WITH		
ENH	IECK	GREENH	ECK	ARCHI	TECT/OWNER.							
Ρ-ΔΟ	0		0	7. CONTE MATCH	VACION TO BA	IONED IN VE	NTILATION	N REQUIREMENT	TABLE.	ISTING KIU TO		PROJECT
				8. CLEAN 9. CONTE	REPLACE RET	JRN AIR FILT	ers. The elec	TRIC HEATING C	APACITY OF F	EXISTING ROOF		
ESF	vv.C.	"ESP	vv.C.	TOP UI	NIT. NOTIFY ARC	CHITECT/ EN	GINEER IF	ANY DISCREPAN	CY.			
0.17	,	0.17	,	CONTRACT	OR SHALL VE	RIFY EXACT	ELECTRIC	CAL CONNECTIO	NS, WIRE SIZE	S, BREAKERS,		
),[]]TI				DISCONNE	CT ETC. PRIOR	TO ORDERIN	G AND BI	D.		-,		
,_,,		000,2112										
12		12										
15/60	D/1	115/60	0/1									
DI	FFUSER	/GRILL	E SCHE	DULE		NE	CK SIZE T	ABLE -A				
	TITU	IS	TITU	s	TITUS	NECK S	IZE	CFM RANGE				
	R		C			Ø6"		0-100				
1	SI IPPI	γLY	RETU	JRN c		Ø8"		101-200				
				C		Ø10"		201-400				
	250-AA(2/3	ა vvAY)	350R	L	301FL	Ø12"		401-600				
à	CEILIN	NG	WAL	L	DUCT							IZ
/N	סיודאם											
VIN	DATHK		AS SHC									N N
u	12"X1	12"	AS SHC	OWN AS	SHOWN							
	REFER TABLE	τιΟ ΕΑ	-		-							
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APTO PAI NLES	R. NT AND FIN SS NOTES (NISH. OR INDIC	ATED.									PROFESSIONAL SEA
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												NOTES &
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HVAC SYSTEM							-							Sing	gle Zoi	ne
		OIL PEAK			CLG SPACE	PEAK			HEATING	COIL PEA	K			PERATURE	S	
Peake C	ed at Time: Dutside Air:	Mo OADB/WB/	o/Hr: 8 / 15 /HR: 92 / 78 / 1	22	Mo/Hr: OADB:	Sum of Peaks			Mo/Hr: OADB:	Heating Des 45	sign		SADB Ba Plenum	Cooling 57.5 76.8	Heatii 75 69	ng 5.9 9 4
	Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total			Space Peak Space Sens	Coil Tot :	Peak Sens	Percent Of Total	Return Ret/OA	75.4 77.8	69 65).4 5.8
	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	·		Btu/h		Btu/h	(%)		0.0).0 0 0
Envelope Loads	0	0	0		0	0	Envelope L	.oads	0			0.00	Fn Blaid Fn Friet	0.0		
Skylite Solal Skylite Cond	0	0	0		0	0	Skylite S	ond	0	-		0.00		0.0	U	J.U
Roof Cond	6 895	563	7 457	6	6 991	8	Roof Co	nd	-2 351		2 530	5 59				
Glass Solar	12,336	0	12 336	10	13 490	16	Glass Sc	har	-2,301		.,550	0.00	∆	IRFLOWS		
Glass/Door Cond	9 689	0	9 689	8	8 947	10	Glass/Do	oor Cond	-15 692	-15	692	34 67				
Wall Cond	3,156	352	3,508	3	3,174	4	Wall Cor	nd	-2,700		3.014	6.66		Cooling	Heat	ting
Partition/Door	0		0	0	0	0	Partition	/Door	_, 0		0	0.00	Diffuser	4,196	4,	,196
Floor	0		0	0	0	0	Floor		-2.166	-2	.166	4.78	Terminal	4,196	4,	,196
Adjacent Floor	0	0	0	0	0	0	Adiacent	t Floor	_,0		0	0	Main Fan	4,196	4,	,196
Infiltration	0	C	0	0	0	0	Infiltratio	n	-4.805		.805	10.61	Sec Fan	0		0
Sub Total ==>	32 075	915	32 990	26	32 602	39	Sub Tota	a/ ==>	-27.714	-28	3.207	62.32	Nom Vent	620		620
	02,010	010	02,000		02,002	00					,			620		620
Intornal Loade				· 			Internal Lo	ads 🚺						020		170
	0.004	4 740	0 700		0.004	0					0	0.00	IIIII MinSton/Dh	0		
Lights	0,984	1,746	8,730	10	6,984 0,750	8 0	Lights		0		0	0.00		4 106	1	266
People	12,150	0	12,150	10	0,750	8 4 4	People		0		0	0.00	Return	4,190	4,	,300
	30,279	0	30,279	29	30,279	44	IVIISC		0		0	0.00		020		190
Sub Total ==>	55,414	1,746	57,160	45	50,014	60	Sub Tota	a/ ==>	0		0	0.00	RMEXN	0		
	101	101	0		101	•			22		0	0.00		0		
Celling Load	104	-104	0	0	104	0	Celling Loa		-33	17	0	0.00 20 70	Leakage Dwn	0		0
	0	0	36,306	29	0	0	ventilation	Load	0	- 17	,555	30.70		0		0
Adj Air Trans Heat	0		0	0	0	0	Adj Air Tra	ns Heat	0		0	0				
Dehumid. Ov Sizing	g		0	0			Ov/Undr Si	zing	0		0	0.00				
Ov/Undr Sizing	0	070	0	0	0	0	Exhaust He	eat			499	-1.10	ENGI		KS	
Exhaust Heat		-270	-270	0			OA Prehea	t Diff.			0	0.00		Cooling	Hoatii	ing
Sup. Fan Heat		0	0	0			RA Prenea	t Diff. Dalaast			0	0.00	% •	14 8	1 <i>4</i>	48
Ret. Fan Heat		0	0	0			Additional	Reneat			U	0.00	ofm/ft ²	1 64	1 (6/
		0	0	0							0	0.00		1.07	1.1	
	up	0	0	0			Ondernir Si				0	0.00		403.07		
Supply Air Leakage	2	0	0	U			Supply Air	Leakage			0	0.00		240.72	10	
Grand Total ==>	87,593	2,288	126,186	100.00	82,720	100.00	Grand Tota	n/ ==>	-27,747	-45	5,263	100.00	No. People	48.84 27	-19.:	50
				ECTION						<u> </u>		U			N	
	Total Canadity			EnterD					Gross Total	Glass					Ent	
	ton MDh	Sens Cap.		°⊑	P or/lb	∘⊏			G1022 10191	GiaSS ft2 /0/	<u>, </u>					∟vg ∘⊏
			CIIII		yinb	Г	i gi/ib			ii (70	1			CITT	Г	Г
Main Clg 10	0.4 124.9	95.1	4, <mark>19</mark> 6	77.8 65	5.2 72.8	57.5 5	5.5 62.8	Floor	2,558			Main Htg	-49.9	4,196	66.2	75.9
Aux Clg	0.0 0.0	0.0	0	0.0 0	0.0	0.0	0.0 0.0	Part	0			Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0 0.0	0.0	0	0.0 0	0.0 0.0	0.0	0.0 0.0	Int Door	0			Preheat	0.0	0	0.0	0.0
								ExFlr	117							
Total 10	0.4 124.9			•				Roof	2,558	0 0)	Humidif	0.0	0	0.0	0.0
								Wall	1,857	1,069 58	3	Opt Vent	0.0	0	0.0	0.0
								Ext Doo	r 95	95 100)	Total	-49.9			

HVAC SYSTEM														Sing	gle Z	one
		OIL PEAK			CLG SPACE	PEAK			HEATING	G COIL F	PEAK		TEM	PERATURE	S	
Peake	ed at Time: Outside Air:	Mo OADB/WB/	/Hr: 8 / 15 HR: 92 / 78 / 1	122	Mo/Hr: OADB:	Sum of Peaks			Mo/H OADE	r: Heating 3: 45	g Design		SADB Ba Plenum	Cooling 57.5 76.8	Hea	i ting 75.9 69 4
	Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total			Space Pea Space Sen	k s	Coil Peak Tot Sens	Percent Of Total	Return Ret/OA	75.4 77.8		69.4 65.8
Envelope Loads	Btu/n	Btu/h	Btu/h	(%)	Btu/h	(%)	Envelope I	ahen	Btu/	n	Btu/n	(%)		0.0		0.0
Skylite Solar Skylite Cond	0 0 6 805	0 0 563	0 0 7 457	0 0 6	0 0 6 001	0 0 8	Skylite S Skylite C	olar ond	2 35	0 0	0	0.00 0.00	Fn Frict	0.0		0.0
Glass Solar	12,336	0	12.336	10	13,490	16	Glass So	lar	-2,35	0	-2,550	0.00	Α	IRFLOWS		
Glass/Door Cond	9,689	0	9,689	8	8,947	11	Glass/Do	or Cond	-15,69	2	-15, <mark>692</mark>	34.67		Cooling	Цa	ating
Wall Cond	3,156	352	3,508	3	3,174	4	Wall Con	d	-2,70	0	-3,014	6.66	Diffusor	2 196	пе	1 106
Partition/Door	0		0	0	0	0	Partition/	Door	A 0.4 0	0	0	0.00	Torminal	4,190		4,190
Floor Adjacent Elect	0	0	0	0	0	0	Floor	Floor	-2,16	6	-2,166	4.78	Main Fan	4,190		4,190
Infiltration	0	0	0		0	0	Infiltration		-4 80	5	-4 805	10.61	Sec Fan	, 0	I	0
Sub Total ==>	32,075	915	32,990	26	32,602	39	Sub Tota	/ ==>	-27,71	4	-28,207	62.32	Nom Vent	620		620
Internal Loads						1	Internal Loa	ads					AHU Vent	620 0	I	620 170
Lights	6,984	1,746	8,730	7	6,984	8	Lights			0	0	0.00	MinStop/Rh	0	I	0
People	12,150	0	12,150	10	6,750	8	People			0	0	0.00	Return	4,196		4,366
Misc	36,279	0	36,279	29	36,279	44	Misc			0	0	0.00	Exhaust	620		790
Sub Total ==>	55,414	1,746	57,160	45	50,014	60	Sub Tota	/ ==>	•	0	0	0.00	Rm Exh Auxiliary	0	I	0
Ceiling Load	104	-104	0	0	104	0	Ceiling Loa	d	-3	3	0	0.00	Leakage Dwn	0	I	0
Ventilation Load	0	0	36,306	29	0	0	Ventilation	Load		0	-17,555	38.78	Leakage Ups	0	I	0
Adj Air Trans Heat	0		0	0	0	0	Adj Air Tra	is Heat		0	0	0				
Dehumid. Ov Sizing	I		0	0			Ov/Undr Siz	zing		0	0	0.00				
Ov/Undr Sizing	0	070	0	0	0	0	Exhaust He	at			499	-1.10	ENGI	IEERING C	KS	
Exhaust Heat		-270	-270				OA Preneat	DITT.			0	0.00		Coolina	Hea	atina
Ret Fan Heat		0	0	0			Additional	Zeheat			0	0.00	% OA	14.8		14.8
Duct Heat Pkup		0 0	0	0	•		Additional	tenear			0	0.00	cfm/ft ²	1.64		1.64
Underflr Sup Ht Pki	q		0	0		1	Underflr Su	ıp Ht Pkup			0	0.00	cfm/ton	403.07		
Supply Air Leakage		0	0	0		1	Supply Air	Leakage			0	0.00	ft²/ton	245.72		
Grand Total ==>	87,593	2,288	126,186	100.00	82,720	100.00	Grand Tota	/ ==>	-27,74	7	-45,263	100.00	Btu/hr·ft ² No. People	48.84 27	-19	9.50
			COIL SEL	ECTION						S		н		SELECTIO	N	
.	Total Capacity	Sens Can	Coil Airflow	Enter D		Leave	DB/WB/HR		Gross Total	Glas	s		Capacity	Coil Airflow	Ent	Lva
t	on MBh	MBh	cfm	°F	F gr/lb	°F	°F gr/lb			ft²	(%)		MBh	cfm	°F	°F
Main Cla 10	12/0	05 1	4 106	77.8 65	2 72 R	57 5 54	55 62 8	Floor	2 558			Main Hta	_40 0	1 106	66 2	75 0
Aux Cla).0 0.0	0.0	т, тоо 0	0.0 0	.0 0.0	0.0 ().0 0.0	Part	2,000			Aux Hta	- -	т, 130 О	0.0	0.0
Ont Vent		0.0	- O		0 00			Int Door	0			Preheat	0.0	0	0.0	0.0
	0.0	0.0		0.0 0		0.0 (0.0	ExFlr	117			·····at	0.0	0	0.0	0.0
Total 10).4 124.9			•				Roof	2,558	0	0	Humidif	0.0	0	0.0	0.0
								Wall	1,857	1,069	58	Opt Vent	0.0	0	0.0	0.0
								Ext Doo	r 95	95	100	Total	-49.9			

Project Name: Aaxon Laundry AAXON LAUNDRY GREENACRES.TRC Dataset Name:

System Checksums

By Trial

TRACE® 700 v6.3.3 calculated at 07:43 PM on 10/13/2023 Alternative - 1 System Checksums Report Page 1 of 1



SCOPE OF WORK

REUSE EXISTING 400AMP, 120/208V, 3-PHASE ELECTRICAL SERVICE. RELOCATE AND REUSE EXISTING 200AMP, 120/208V, 3-PHASE ELECTRICAL PANEL "A" & "B". PROPOSED NEW 200A, 120/208V, 3-PHASE ELECTRICAL SERVICE FOR THE TENANT SPACE. NEW 200A, 120/208V, 3-PHASE, 4-WIRE ELECTRICAL METER AND FUSED DISCONNECT SWITCH. PROVIDE NEW (1) 200A(MCB), 120/208V, 3-PHASE, 4-WIRE ELECTRICAL PANEL "G". PROVIDE NEW (4) 125A(MLO), 120/208V, 3-PHASE, 4-WIRE ELECTRICAL PANEL "C", "D", "E" & "F". PROVIDE ALL NECESSARY EQUIPMENT, ALL WIRING AND LIGHTING FOR THE PROJECT SPACE. COORDINATE WITH G.C. FOR LOW VOLTAGE WIRING

ELECTRICAL PLAN NOTES

- ELECTRICAL CONTRACTOR SHALL REVIEW ALL DRAWINGS OF THIS SET. ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL ALL NEW ELECTRICAL WORK INDICATED. CONSTRUCTION SHALL BE IN ACCORDANCE WITH DRAWINGS AND APPLICABLE SPECIFICATIONS. IF A PROBLEM IS SHALL NOTIFY THE OWNER OR HIS REPRESENTATIVE AS SOON AS POSSIBLE AFTER DISCOVERY OF THE PROBLEM AND SHALL NOT PROCEED WITH THAT PORTION OF THE WORK UNTIL OWNER HAS DIRECTED CORRECTIVE ACTION TO BE TAKEN.
- ELECTRICAL CONTRACTOR SHALL VISIT JOB SITE AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS AFFECTING ELECTRICAL AND COMMUNICATIONS 35. ELECTRICAL CONTRACTOR SHALL LABEL ALL PANELS W/TYPE WRITTEN INSTALLATION AND MAKE PROVISIONS AS TO THE COST THEREOF. EXISTING CONDITIONS OF ELECTRICAL EQUIPMENT, LIGHT FIXTURES, ETC.. THAT ARE PART OF THE FINAL SYSTEM SHALL BE VERIFIED BY THE 36. ALL ELECTRICAL AND COMMUNICATIONS OUTLETS TO BE AT 24" A.F.F. CONTRACTOR PRIOR TO SUBMITTING HIS BID.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2017 EDITION 37. ALL LIGHT SWITCHES TO BE AT 42" A.F.F. OF THE NATIONAL ELECTRIC CODE AND ALL CODES AND ORDINANCES OF THE AUTHORITY HAVING JURISDICTION.
- DO NOT SCALE THE ELECTRICAL DRAWINGS. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION FOR ALL EQUIPMENT. CONFIRM WITH OWNER'S REPRESENTATIVE.
- ALL ELECTRICAL NOT BEING REUSED MUST BE REMOVED IN ITS ENTIRETY. ALL CONDUIT IN OR UNDERGROUND OR IN CONCRETE MUST BE RIGID GALVANIZED STEEL.
- CIRCUIT BREAKERS AND PANELS TO BE BOLT ON TYPE.
- . ALL EQUIPMENT SHALL BE APPROVED BY UL OR OTHER NATIONALLY RECOGNIZED TESTING COMPANY.
- 10. ALL RECEPTACLES SHALL BE GROUNDED AS REQUIRED BY NEC 250.146
- 1. SUBMIT SERVICE ENTRANCE EQUIPMENT FOR SEPARATE APPROVAL. 12. ALL LOW VOLTAGE MUST BE IN CONDUIT TO ABOVE THE DROP CEILING.
- BRIDAL RINGS OR "J" HOOKS REQUIRED. 3. SEPARATE PERMITS ARE REQUIRED FOR ALL LOW VOLTAGE SUCH AS TELEPHONE, DATA, THERMOSTAT, MUSIC, ALARMS ETC.
- 14. SEPARATE PERMIT REQUIRED FOR SIGNAGE.
- 5. PRIOR TO ANY CONSTRUCTION WORK BEGINNING AN ON-SITE MEETING WITH GENERAL CONTRACTORS IS REQUIRED.
- 16. ELECTRICIAN MUST BE ON SITE FOR ALL INSPECTIONS.
- MINIMUM WIRE SIZE SHALL BE #12 A.W.G. EXCLUDING CONTROL WIRING. | 46. GAS PIPING SHALL BE BONDED. ALL CONDUCTORS SHALL BE COPPER AND UNLESS OTHERWISE NOTED THHN INSULATION.
- 18. OUTLET BOXES SHALL BE PRESSED STEEL IN DRY LOCATIONS, PLASTIC AND CAST ALLOY WITH THREADED HUBS IN WET OR DAMP LOCATIONS, AND SPECIAL ENCLOSURES FOR OTHER CLASSIFIED AREAS.
- 19. IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. THE CONTRACTOR IS EXPECTED TO FURNISH AND 49. CONSTRUCTION "AS BUILT" DRAWINGS AND DOCUMENTS SHALL B INSTALL ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM AND PROVIDE ALL REQUIREMENTS NECESSARY FOR EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER.
- 20. ELECTRICAL SYSTEM SHALL BE COMPLETE AND EFFECTIVELY GROUNDED AS REQUIRED BY THE N.E.C. OR LOCAL CODES.
- 1. ALL MATERIALS SHALL BE NEW AND BEAR UNDERWRITERS' LABELS WHERE APPLICABLE. 22. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL 52. EXPOSED CONDUIT SHALL BE INSTALLED IN STRAIGHT LINES. PARALLEL OR
- CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE AND ACCEPTED BY ENGINEER/ARCHITECT.
- 23. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID 53. CABLE TYPES AC AND NM CABLES ARE NOT ACCEPTABLE. TYPE MC CABLE, INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.
- 24. ELECTRICAL CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN 54. ALL EQUIPMENT, DEVICES AND FIXTURES SHALL BE GROUNDED IN ONE YEAR FROM DATE THAT CERTIFICATE OF OCCUPANCY IS ISSUED. COMPLIANCE WITH NEC AND UL REQUIREMENTS. WARRANTY SHALL BE PROVIDED IN WRITING. PROVIDE COPY TO LL.
- 5. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENT OR REPAIR OF 56. 7-DAY 24-HOUR TIME CLOCK IS REQUIRED TO CONTROL STOREFRONT ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN ENTRY LIGHTS, SHOW WINDOW LIGHTS, SHOW WINDOW RECEPTACLES AND DAMAGED THEREBY.
- 6. ALL REQUIRED INSURANCE SHALL BE PROVIDED FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE 57. ALL ELECTRICAL PANELS TO BE MOUNTED ON PLYWOOD BACKER BOARD. WORK.
- 7. CONTRACTOR SHALL PAY FOR ALL PERMITS, FEES, INSPECTIONS AND TESTING. CONTRACTOR TO OBTAIN PERMIT AND APPROVED SUBMITTALS 59. TENANT IS REQUIRED TO MAKE A FIELD SURVEY OF THE EXISTING PRIOR TO BEGINNING WORK OR ORDERING EQUIPMENT.
- 28. THE ELECTRICAL INSTALLATION SHALL MEET ALL STANDARD REQUIREMENTS OF POWER AND TELEPHONE COMPANIES.
- 29. CONTRACTOR SHALL COORDINATE WITH MECHANICAL DRAWINGS AND PROVIDE ALL NECESSARY CONTROL WIRING.
- 30. ALL CIRCUIT BREAKERS FEEDING MECHANICAL EQUIPMENT SHALL BE HACR TYPE CIRCUIT BREAKERS.
- 1. PROVIDE AND INSTALL CONDUIT, CONDUCTORS, PULL WIRES, BOXES, COVER PLATES, DEVICES, ETC. FOR ALL OUTLETS AS INDICATED.

- 32. MATERIALS, PRODUCTS, AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW AND SUCH AS APPEAR ON THE UL LIST OF APPROVED ITEMS AND SHALL MEET OR EXCEED THE REQUIREMENTS OF N.E.C. NEMA, AND IECE.
- ENCOUNTERED IN COMPLYING WITH THIS REQUIREMENT, CONTRACTOR 33. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OR CUT SHEETS OF LIGHTING FIXTURES, SWITCHES, AND OTHER ELECTRICAL ITEMS FOR APPROVAL BY ENGINEER/ARCHITECT.
 - 34. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING, PATCHING AND FIRED CAULKING REQUIRED OF HIS WORK.
 - DIRECTORIES.
 - UNLESS NOTED OTHERWISE, AND VERTICALLY MOUNTED.
 - 38. ALL ELECTRICAL WIRING SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. ALL ELECTRICAL WIRING FOR HVAC SYSTEM INCLUDING CONTROLS, THERMOSTATS, POWER, ETC. SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
 - 39. BREAKER AND PANELS -- ALL CURRENT CARRYING BUSSES SHALL BE COPPER. ALL GROUND BUS BARS SHALL BE COPPER. PANEL BOARD ENCLOSURES SHALL BE FURNISHED WITHOUT PRE-PUNCHED CONCENTRIC HOLES. A.I.C. RATINGS SHALL BE AS INDICATED ON PANEL BOARD SCHEDULES.
 - 40. DISCONNECT SWITCHES SHALL BE H.P. RATED, GENERAL DUTY, QUICK-MAKE, QUICK-BREAK ENCLOSURES AS REQUIRED BY EXPOSURE. 1. MOTOR STARTERS SHALL BE MANUAL OR MAGNETIC, WITH OVERLOAD
 - 2. THE TERM "PROVIDE" USED IN THE CONSTRUCTION DOCUMENTS AND SPECIFICATIONS INDICATES THE CONTRACT SHALL FURNISH AND INSTALL.
 - 43. CONTRACTOR SHALL CONFIRM WITH ANY AND ALL REQUIREMENTS SUCH AS: LUG SIZE RESTRICTIONS, CONDUIT ENTRY, TRANSFORMER SIZE, SCHEDULED DOWN TIME FOR OWNERS CONFIRMATION, ETC. ANY CONFLICTS SHALL BE BROUGHT TO ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH ANY WORK.
 - 44. VOLTAGE DROP FOR ALL BRANCH CONDUCTORS SHALL NOT EXCEED 3% WHERE VOLTAGE DROP EXCEEDS 3%, CONTRACTOR SHALL INCREASE SIZE OF CONDUCTORS.
 - 45. CONTRACTOR SHALL PROVIDE GFI TYPE BREAKER FOR ALL EXTERIOR 120V CIRCUITS OR GFI PROTECTION -- FOR THE WHOLE CIRCUIT.

RELAYS IN EACH HOT LEG.

- 47. ELECTRICAL CONTRACTOR SHALL COORDINATE SERVICE ENTRY WITH SERVICE PROVIDER PRIOR TO DETERMINING EXACT LOCATION OF THE METER BOX IN ORDER TO AVOID DISCREPANCIES BETWEEN DRAWINGS AND JOB CONDITIONS.
- 8. ALL OUTDOOR EQUIPMENT SHALL BE WEATHERPROOF.
- PROVIDED TO THE OWNER WITHIN 30 DAYS AFTER THE DATE OF ACCEPTANCE. PROVIDE A COPY TO LL. 50. OPERATION MANUALS AND MAINTENANCE MANUALS SHALL BE PROVIDED
- TO THE BUILDING OWNER 51. ABSOLUTELY NO FLEXIBLE CONDUIT IS PERMITTED IN DEMISING WALLS.
- FLEXIBLE CONDUIT IS PERMITTED FOR SHORT FINAL CONNECTIONS ONLY (6'-0" OR LESS)
- IN RIGHT ANGLES TO THE BUILDING STRUCTURE. DO NOT LOOP EXCESS FLEXIBLE CONDUIT IN CEILING SPACE OR WALL CAVITY. NO CONDUIT TO BE SUPPORTED FROM THE ROOF DECK.
- ELECTRIC METALLIC TUBING (EMT) AND RIGID GALVANIZED CONDUIT ARE
- 55. ALL PANELS TO BE UL LABELED WITH BOLT-ON TYPE CIRCUIT BREAKERS.
- STOREFRONT SIGNAGE. ILLUMINATED STOREFRONT SIGNS MUST REMAIN LIT DURING ALL MALL BUSINESS HOURS.
- 58. PANEL PHASE LOADS TO BE BALANCED WITHIN 10%.
- ELECTRICAL SERVICE TO ENSURE THAT THE TOTAL CONNECTED LOAD DOES NOT EXCEED THE ELECTRICAL SERVICE. ANY/ALL MODIFICATIONS OR UPGRADES NEEDED ARE SUBJECT TO LANDLORD'S PRIOR APPROVAL AND WILL BE COMPLETED BY TENANT/TENANT'S GC AT TENANT'S SOLE EXPENSE.

ELECTR	
SYMBOL	DESCRIPTION
	EXHAUST FAN
*	EXHAUST FAN WITH LIGHT
Ś	SPEAKERS @ CEILING
J	JUNCTION BOX
	BATTERY BACK UP EXIT LIGHT
Q	BATTERY BACK UP EMERGENCY LIGHT
\$	WALL SWITCH (SINGLE)
\$ _T	WALL SWITCH (TIMER) WITH WIFI COMPATIBILITY.
\$ _D	DIMMER WALL SWITCH WITH WIFI COMPATIBILITY.
\$ _{os}	OCCUPANCY SENSOR WALL SWITCH WITH WIFI COMPATIBILITY.
ØS	DAY LIGHT SENSOR
MD	MD MOTORIZED DAMPER
⊖= _{USB}	DUPLEX RECEPTACLE WITH USB PROVISION.
e	DUPLEX RECEPTACLE, 46" TO AFF AT KITCHEN, BATHS AND TOPS
+	QUADRUPLEX RECEPTACLE
СГФ	CEILING MOUNTED DUPLEX RECEPTACLE
—	DEDICATED DUPLEX RECEPTACLE
	ELECTRICAL PANEL
	DISCONNECT SWITCH
ПН П	TELEVISION OUTLET
\mathbf{A}	TELEPHONE/DATA OUTLET
\mathbf{k}	DATA OUTLET
CL	CEILING MOUNTED DATA OUTLET
	30A/208V NON FUSED DISCONNECT SWITCH
E.	60A/208V NON FUSED DISCONNECT SWITCH

ADDREVIATIONS:

ABOVE FINISH FLOOR= A.F.F.
COUNTER TOP LEVEL= C
GROUND FAULT INTERRUPTE
VERIFY PRIOR TO INSTALL= \
WEATHER PROOF= WP
WASHER = WA
ABOVE COUNTER = AC
EXHAUST FAN=EF

GEN	ERAL	. LIGHT

- HOT CONDUCTOR.

EXISTING CONDITIONS NOTES

STOP AND READ

THE CONTRACTOR AND SUB-CONTRACTORS SHALL NOT INITIATE ANY WORK UNTIL EXISTING FIELD CONDITIONS ARE PROPERLY VERIFIED. THIS SHALL HOLD TRUE FOR FIRST GENERATION AND 2ND GENERATION SPACES. WHEN DEMOLITION IS REQUIRED. THAT WILL BE PERMITTED TO EXPOSE CONDITIONS. THESE VERIFICATIONS SHALL INCLUDE BUT NOT LIMITED TO: DIMENSIONS BOTH HORIZONTALLY AND VERTICAL, ELECTRICAL SERVICE /PANELS LOCATION AND VOLTS/PHASE. LOCATION/QTY OF ROOF MOUNTED HVAC EQUIPMENT, CONFIRM THAT INTERIOR HVAC HUNG UNITS HAVE PROPER SUPPORT CONNECTIONS FOR EXISTING STRUCTURE, FIRE SPRINKLER MAIN RUNS, TOILET ROOM DIMENSIONS, DOOR SWING FOR DOORS TO REMAIN AND ETC. IF NOT VERIFIED AND DISCOVERED AT A LATER TIME, THE CONTRACTOR SHALL REIMBURSE THE ARCHITECT FOR THE REDESIGN FEE. THIS DOES NOT INCLUDE HIDDEN WORK I.E. PITCH OF SANITARY LINES ACTUAL CONDITIONS OF EXISTING HVAC EQUIPMENT, STRUCTURAL COLUMNS/BEARING WALLS OR CONDITIONS OF GREASE INTERCEPTORS AND ETC.

	BELOW COUNTER= BC	
	PUSH BUTTON= PB	
= GFCI	UNDER CABINET= UC	
	VAPOR PROOF= VP	
	SALVAGED = S	
	DRYER = DR	
	ROOF TOP UNIT= RTU	
	BATHROOM EXHAUST FAN=BEF	

ING NOTES

UPPER CASE LETTER NEXT TO LIGHT FIXTURE DENOTES FIXTURE TYPE AND LOWER CASE LETTER DENOTES SWITCHING SCHEME. B. ALL EMERGENCY FIXTURES SHALL BE CONNECTED TO AN UNSWITCHED



LIGHTING	FIXTURE	SCHEDULE

SYMBOL	TYPE	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	VOL
	A	LED FIXTURE - ATTACH TO B.O. (E) WEB JOIST ABOVE	SLG LIGHTING	TSC-8-100-G1-4K	120
	A1	LED FIXTURE - B.O. FIXTURE HEIGHT - ATTACH TO B.O. (E) WEB JOISTS ABOVE.	TBD	TBD	120
	В	WALL MOUNTED FIXTURE - MOUNTING HEIGHT 9'-0"	SLG LIGHTING	TSC-4-30-G1-4K	120
\ge	С	2X4 RECESSED LAY-IN FIXTURE	LITHONIA LIGHTING	BLC-2X4-400LM- ADSM-40K	120
\boxtimes	D	2X2 RECESSED LAY-IN FIXTURE	LITHONIA LIGHTING	BLC-2X2-400LM- ADSM-40K	120
	XUC	EXIT /EMERGENCY COMBO SIGN	BEST LIGHTING PRODUCT	LEDCXTE2R(W OR B)	120
$\overline{\bigotimes}$	-	DIRECTIONAL EXIT SIGN	BEST LIGHTING PRODUCT	RMEZXTEU	120
<u>0_0</u>	EU	EMERGENCY LIGHT	BEST LIGHTING PRODUCT	LEDR1(B IF BLACK)	120
\$₀	DS	DIMMER WALL SWITCH	COMMERCIAL LIGHTING INDUSTRIES	CLI-NAROSDS	120
\$ _T	т	TIMER WALL SWITCH	LEVITON	6124	120
\$ _{os}	OS	OCCUPANCY WALL SWITCH	LEVITON	ODS10	120
\$ ³ _{os}	OS	OCCUPANCY WALL SWITCH (MULTI LOCATION CONTROL)	SCHNEIDER	SLSUWS1277N/ SLSUWS3277N	120
	(E)	EXISTING LIGHTING FIXTURE TO REMAIN	- • •		-



NEW 200A, 120/208V, 3-PHASE, 4-WIRE ELECTRICAL INCOMING SERVICE FEEDER FOR THE PROJECT SPACE. E.C. SHALL COORD THE PROVISION OF THE SERVICE. COORDINATE EXACT LOCATION OF METER AND DISCONNECT BEFORE COMMENCING ANY W
2 NEW 200A, 120/208V, 3-PHASE, 4-WIRE ELECTRICAL METER AND FUSED DISCONNECT SWITCH. E.C. SHALL COORDINATE EXACT
3 NEW 200A (MCB), 120/208V, 3-PH, 4W ELECTRICAL PANEL "G" FOR PROJECT SPACE. E.C. SHALL COORDINATE WITH ARCHITECT/
EXISTING 400A, 120/208V, 3-PHASE, 4-WIRE ELECTRICAL SERVICE FOR THE PROJECT SPACE SHALL REMAIN. E.C. SHALL VER DISTRIBUTION AND OPERABLE CONDITION IN FIELD. PROVIDE NEW IF FOUND INOPERABLE. INFORM ENGINEER IF ANY DISCREI
5 EXISTING 400A, 120/208V, 3-PHASE, 4-WIRE ELECTRICAL METER FOR THE PROJECT SPACE SHALL REMAIN. E.C. SHALL VER DISTRIBUTION AND OPERABLE CONDITION IN FIELD. PROVIDE NEW IF FOUND INOPERABLE. INFORM ENGINEER IF ANY DISCREI
6 EXISTING 200A, 120/208V, 3-PHASE, 4-WIRE ELECTRICAL DISCONNECT SWITCH FOR THE PROJECT SPACE SHALL REMAIN. E. ELECTRICAL DISTRIBUTION AND OPERABLE CONDITION IN FIELD. PROVIDE NEW IF FOUND INOPERABLE. INFORM ENGINEER IF
RELOCATE EXISTING 200A(MLO), 120/208V, 3-PHASE, 3-WIRE ELECTRICAL PANEL "A". E.C. SHALL VERIFY THE EXACT RATING, SIZ ELECTRICAL PANEL "A" IN FIELD. INFORM ENGINEER FOR ANY DISCREPANCY FOUND PRIOR TO BID.
RELOCATE EXISTING 200A(MLO), 120/208V, 3-PHASE, 3-WIRE ELECTRICAL PANEL "B". E.C. SHALL VERIFY THE EXACT RATII EXISTING ELECTRICAL PANEL "B" IN FIELD. INFORM ENGINEER FOR ANY DISCREPANCY FOUND PRIOR TO BID.
9 NEW 125A (MLO), 120/208V, 3-PH, 4W ELECTRICAL PANEL "D" FOR PROJECT SPACE. E.C. SHALL COORDINATE WITH ARCHITECT/
NEW 125A (MLO), 120/208V, 3-PH, 4W ELECTRICAL PANEL "E" FOR PROJECT SPACE. E.C. SHALL COORDINATE WITH ARCHITECT/0
NEW 125A (MLO), 120/208V, 3-PH, 4W ELECTRICAL PANEL "F" FOR PROJECT SPACE. E.C. SHALL COORDINATE WITH ARCHITECT/0
NEW 125A (MLO), 120/208V, 3-PH, 4W ELECTRICAL PANEL "C" FOR PROJECT SPACE. E.C. SHALL COORDINATE WITH ARCHITECT/
PROVIDE 1#4/0 CU GROUNDING ELECTRODE CONDUCTOR.
E.C TO FIELD VERIFY THE EXACT LENGTH OF THE CABLE AND CHECK THE VOLTAGE DROP IS UNDER LIMIT PER NEC BEFORE IN
EXISTING FEEDER/CONNECTION SHALL REMAIN. E.C. TO VERIFY OPERABLE CONDITION, EXACT POWER DISTRIBUTION, INOPERABLE. BASE BID ACCORDINGLY.

E	LECTRICAL LIGHTING PLAN KEYED NOTES:
Â	CONNECT ALL EMERGENCY EGRESS LIGHTING FIXTURES TO THE NEAREST LIGHTING BRANCH CIRCUIT AHEAD OF ALL SWITCHING AND CONTROLS PER STATE AND LOCAL CODES.
B	EXISTING LIGHT FIXTURE IN THIS AREA DENOTED BY (E) SHALL REMAIN CONNECTED TO THE RESPECTIVE EXISTING ELECTRICAL HOUSE PANEL ALONG WITH THEIR CONTROLS. E.C. SHALL VERIFY THE CONTROLS IN THE FIELD AND REPLACE IF FOUND INOPERABLE. BASE BID ACCORDINGLY.
Ô	PROVIDE ACCESSIBLE WEATHERPROOF JUNCTION BOX WITH TOGGLE DISCONNECT SWITCH FOR BUILDING SIGNAGE. E.C TO COORDINATE THE BUILDING SIGNAGE CONNECTION REQUIREMENTS AND FINAL QUANTITIES WITH SIGN VENDOR PRIOR TO START OF WORK. BASE BID ACCORDINGLY.
	PROVIDE SHOW WINDOW RECEPTACLE AS PER NEC 210.62. VERIFY EXACT LOCATION WITH ARCHITECT.
E	LIGHTING IN THIS AREA SHALL BE CONTROLLED BY DAYLIGHT SENSOR.
F	EXHAUST FAN EF-1(N) SHALL BE CIRCUITED AND CONTROLLED ALONG WITH THE LIGHT FIXTURE IN THE SAME ROOM.
G	EXHAUST FAN BEF-1(N) &BEF-2(N) SHALL BE INTERLOCKED WITH RTU-2(E). E.C. TO REFER HVAC DRAWINGS FOR MORE DETAILS.



ELECTRICAL POWER PLAN KEYED NOTES:
RELOCATE EXISTING 200A(MLO), 120/208V, 3-PHASE, 3-WIRE ELECTRICAL PANEL "A". E.C. SHALL VERIFY THE EXACT RATING, SIZE, OPERABLE CONDITION, LOCATION AND CONNECTION OF EXISTING ELECTRICAL PANEL "A" IN FIELD. INFORM ENGINEER FOR ANY DISCREPANCY FOUND PRIOR TO BID.
B RELOCATE EXISTING 200A(MLO), 120/208V, 3-PHASE, 3-WIRE ELECTRICAL PANEL "B". E.C. SHALL VERIFY THE EXACT RATING, SIZE, OPERABLE CONDITION, LOCATION AND CONNECTION OF EXISTING ELECTRICAL PANEL "B" IN FIELD. INFORM ENGINEER FOR ANY DISCREPANCY FOUND PRIOR TO BID.
NEW 125A(MLO), 120/208V, 3-PHASE, 4-WIRE ELECTRICAL PANEL "C". E.C. SHALL COORDINATE EXACT LOCATION WITH ARCHITECT/OWNER IN FIELD.
D NEW 125A(MLO), 120/208V, 3-PHASE, 4-WIRE ELECTRICAL PANEL "D". E.C. SHALL COORDINATE EXACT LOCATION WITH ARCHITECT/OWNER IN FIELD.
E NEW 125A(MLO), 120/208V, 3-PHASE, 4-WIRE ELECTRICAL PANEL "E". E.C. SHALL COORDINATE EXACT LOCATION WITH ARCHITECT/OWNER IN FIELD.
F NEW 125A(MLO), 120/208V, 3-PHASE, 4-WIRE ELECTRICAL PANEL "F". E.C. SHALL COORDINATE EXACT LOCATION WITH ARCHITECT/OWNER IN FIELD.
G E.C. SHALL VERIFY/PERFORM THE INSTALLATION OF ELECTRICAL PANELS IN COMPLIANCE WITH NEC ARTICLE 110.26(A) AND (B). E.C. SHALL FIELD VERIFY THAT THE PANELS ARE UNOBSTRUCTED AND THE AREA WHERE THE PANELS ARE PLACED SHALL NOT BE USED AS A STORAGE SPACE.
E.C. SHALL COORDINATE WITH THE OWNER/MANUFACTURER FOR THE EXACT POWER AND ELECTRICAL CONNECTION REQUIREMENTS OF WASHER/DRYER PRIOR TO ROUGH-IN. BASE BID ACCORDINGLY.
NEW PROPOSED WATER HEATER WH-1, WH-2, WH-3, WH-4 & WH-5. E.C. SHALL COORDINATE REQUIREMENT WITH PLUMBING CONTRACTOR. COORDINATE LOCATION WITH MANUFACTURER AND PLUMBING CONTRACTOR PRIOR TO ROUGH-IN. BASE BID ACCORDINGLY.
NEW 200A(MCB), 120/208V, 3-PHASE, 4-WIRE ELECTRICAL PANEL "G". E.C. SHALL COORDINATE EXACT LOCATION WITH ARCHITECT/OWNER IN FIELD.
K ALL OUTLETS HEIGHT & FINAL LOCATION TO BE VERIFY IN FIELD WITH OWNER.
L DATA PANEL TO BE PROVIDED BY OTHERS. COORDINATE EXACT LOCATION WITH ARCHITECT/OWNER IN FIELD.
M PANEL TO BE INSTALLED BY MILLWORK MANUFACTURE.
N JUNCTION BOX FOR HAND DRYER. E.C. TO COORDINATE EXACT LOCATION AND REQUIREMENT OF HAND DRYER WITH ARCHITECT/OWNER PER ADA REQUIREMENTS AND PROVIDE ELECTRICAL CONNECTION. BASE BID ACCORDINGLY.

EQUIPMENT SCHEDULE:

С	QUANTITY	DESCRIPTION	MANUFACTURER	MODEL NO.	VOLTAGE	PHASE	AMPS	kW
1	2	80 LB WASHER	HUEBSCH	HCT080	208	1	12	2.50
2	6	60 LB WASHER	HUEBSCH	НСТ060	208	1	10	2.08
3	10	40 LB WASHER	HUEBSCH	HCT040	208	1	7	1.46
4	8	30 LB WASHER	HUEBSCH	НСТ030	208	1	6	1.25
5	8	20 LB WASHER	HUEBSCH	HCT020	120	1	8	0.96
6	2	75 LB STACK TUMBLE DRYER	HUEBSCH	HT075	120	1	12	1.44
7	7	45 LB STACK TUMBLE DRYER	HUEBSCH	HTT45	120	1	20	2.40
8	8	30 LB STACK TUMBLE DRYER	HUEBSCH	HTT30	120	1	16	1.92
14	1	POINT OF SALES (POS)	-	-	-	-	-	-
15	1	BILL CHANGER	AMERICAN CHANGER	AC7705	120	1	8	0.96
16	1	VALUE CENTER	HUEBSCH	204759	120	1	5	0.60
17	1	COIN CENTER	AMERICAN CHANGER	COIN HOPPER	120	1	8	0.96
18	1	48" TV	-	-	-	-	-	-
20	1	HIGH-LOW DRINKING FOUNTAIN	ELKAY	EZSTL8LC	120	1	5	0.60
21	1	VENDING MACHINE	TBD	TBD	-	-	-	-
22	2	VENDING MACHINE	TBD	TBD	-	-	-	-
30	1	DIGITAL SCALE	TBD	TBD	-	-	-	-
	2	HAND DRYER	BOBRICK	B-715	120	1	10	1.20

GENERAL NOTE:

1. ELECTRICAL CONTRACTOR SHALL VERIFY EXACT QUANTITIES, POWER AND CONNECTION REQUIREMENTS WITH THE ARCHITECT/OWNER/MANUFACTURER PRIOR TO ROUGH-IN. BASE BID ACCORDINGLY.



ELECTRICAL ROOF POWER PLAN KEYED NOTES:

ELECTRICAL CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR FOR THE EXISTING RTU-1 & RTU-2 EXACT ELECTRICAL POWER REQUIREMENTS AND CONNECTION IN FIELD. ELECTRICAL CONTRACTOR SHALL VERIFY EXISTING ELECTRICAL CONNECTION OF EXISTING RTU-1 & RTU-2 AND OPERABLE CONDITION. PROVIDE NEW IF FOUND INOPERABLE AS PER MECHANICAL CONTRACTOR REQUIREMENTS. BASE BID ACCORDINGLY.



PANEL: A(Ξ)		MOUNTING:	RECESSED	PANEL: D(N)	MOUNTING: RECESSED
120/208V VO	TS, 3 PHASE,	4 WIRE	LOCATION:	MAINTENANCE AREA	120/208V VOLTS, 3 PHASE, 4 WIRE	LOCATION: LAUNDRY
MAIN CB NA	MLO: 200A	BUS: 200A MIN.	AIC RATING:	VERIFY IN FIELD	MAIN CB NA MLO: 125A BUS: 125A MIN.	AIC RATING: VERIFY IN FIELD
	DESCRIPTION OF LOAD	LOAD LOAD MINIMUM BRANCH PER PHASE	(KVA) MINIMUM BRANCH LOAD LOAD DESCRIPTION OF I	LOAD TRIP CKT NO.	CKT NO TRIP DESCRIPTION OF LOAD LOAD LOAD MINIMUM BRANCH PER PHASE (KVA) MINIMUM BRANCH LOAD LOAD	
	0 LAUNDRY MAINTENANCE+MOP	TYPE (KVA) CIRCUIT A B L 1.08 2#12. #12G. 3/4"C 1.80	C CIRCUIT (RVA) TYPE 2#12, #12G, 3/4"C 0.72 B GENERAL RECEPTACLES	20 2	Image: Contract of the second of the seco	AMPS CKT NO.
3 2	0 LAUNDRY+OFFICE LIGHTING	L 0.73 2#12, #12G, 3/4"C 1.63	2#12, #12G, 3/4"C 0.90 R ROOF RECEPTACLES	20 4	3 20A-2P 3_40 LB WASHER 0 0.73 2#12, #12G, 3/4"C 1.35 2#12, #12G, 3/4"C 0.62 0 5 0 0.73 0.73 0.62 0 0	0 LB WASHER 20A-2P 4
5 2 7 2	0 LAUNDRY AREA LIGHTING (DAYLIGHT ZONE)0 MAINTENANCE AREA LIGHTING	L 0.60 2#12, #12G, 3/4"C 0.12 L 0.12 2#12, #12G, 3/4"C 0.48	0.60 SPARE 2#12, #12G, 3/4"C 0.36 R OFFICE RECEPTACLES	20 6 20 8	3 20A-2P 3_40 LB WASHER 0 0.73 2#12, #12G, 3/4"C 1.35 2#12, #12G, 3/4"C 0.62 0 4_3 7 0 0.73 0 0.73 0 0.73 0	0 LB WASHER 20A-2P 8
9 2	0 SPARE 0 14 POS RECEPTACLE	B 0.36 2#12, #12G, 3/4"C 0.36	2#12, #12G, 3/4"C 0.36 R SERVICE COUNTER RECEPTACLES 1.08 2#12, #12G, 3/4"C 0.72 R GENERAL RECEPTACLES	5 20 10 20 12	9 20A-2P 3_40 LB WASHER 0 0.73 0.73 SPA SPA 11 20A-2P 3_40 LB WASHER 0 0.73 0.73 0.73 SPA SPA	CE 10 ACE 12
13 2	0 SPARE	0.60	2#12, #12G, 3/4"C 0.60 E 30_DIGITAL SCALE	20 14	13 20A-2P 3_40 LB WASHER O 0.73 2#12, #12G, 3/4"C 0.73 SPA 15 15 0 0.73 2#12, #12G, 3/4"C 0.73 SPA	.CE 14 ACE 16
15 2 17 2	0 SPARE 0 15_BILL CHANGER RECEPTACLE	R 0.96 2#12, #12G, 3/4"C 0.00	0.96 SPARE	20 16 20 18	17 20A-2P 3_40 LB WASHER 0 0.73 2#12, #12G, 3/4"C 0.73 SPA 19 20A-2P 3_40 LB WASHER 0 0.73 2#12, #12G, 3/4"C 0.73 SPA	CE 18 ACE 20
19 2 21 2	0 16_VALUE CENTER RECEPTACLE 0 17_COIN CENTER RECEPTACLE	R 0.60 2#12, #12G, 3/4"C 0.60 R 0.96 2#12, #12G, 3/4"C 0.96	SPARE SPARE	20 20 20 22	21 20A-2P 3_40 LB WASHER 0 0.73 0.73 SPA	CE 22 ACE 24
23 2 25 2	0 18_48" TV RECEPTACLE 0 BEF-1 & 2	R 0.18 2#12, #12G, 3/4"C	0.18 SPARE SPARE	20 24 20 26	25 SPACE 0 0.73 0.00 0.73 SPACE SPACE	CE 24 ACE 26
27 2	0 SPARE	0.00	O OO SPARE	20 28	27 SPACE 0.00 SPACE SPACE 29 SPACE 0.00 0.00 SPACE	CE 28 ACE 30
31	U SPARE	O 5.82 8.38	2.56 O	32	31 SPACE 0.00 SPA 33 SPACE 0.00 SPA	ACE 32 ACE 34
33 80/ 35	A-3P NEW PANEL "C"	O 5.82 4#4, #8G, 1"C 8.38 O 5.82 4#4, #8G, 1"C 8.38	4#4, #8G, 1"C 2.56 O NEW PANEL "E" 8.38 2.56 O	80A-3P 34 36	35 SPACE 0.00 SPA 37 SPACE 0.00 SPA	ACE 36
37 39 80/	A-3P NEW PANEL "D"	O 3.74 8.18 O 3.74 4#4, #8G, 1"C 8.18	4.44 O 4#4, #8G, 1"C 4.44 O	80A-3P 40	39 SPACE 0.00 SPA 41 SPACE 0.00 SPA	CE 40 ACE 42
41	TOTAL CONNECTED LOAD (KVA)	O 3.74 Q 20.09 19.5	8.18 2 19.39	42	41 SPACE 0.00 SPACE TOTAL CONNECTED LOAD (KVA) 4.16 3.54	
PANEL B(:)		MOUNTING	RECESSED		MOUNTING BECESSED
120/2080 00	3 PRASE,	4 WIRE	LOCATION:		120/208V VOLTS, 3 PRASE, 4 WIRE	
MAIN CB NA	MLO: 200A	BUS: 200A MIN.	AIC RATING:	VERIFY IN FIELD	MAIN CB NA MLO: 125A BUS: 125A MIN.	AIC RATING: VERIFY IN FIELD
	AIP DESCRIPTION OF LOAD	LOAD LOAD MINIMUM BRANCH PER PHASE TYPE (KVA) CIRCUIT A B	KVA) MINIMUM BRANCH LOAD LOAD C CIRCUIT (KVA) TYPE	LOAD TRIP AMPS CKT NO.	D. TRIP AMP S DESCRIPTION OF LOAD LOAD TYPE LOAD (KVA) MINIMUM BRANCH CIRCUIT PER PHASE (KVA) MINIMUM BRANCH CIRCUIT LOAD CIRCUIT LOAD CIRCUIT <thload CIRCUIT <thload CIRCUIT <thload CIRCUIT<td>DESCRIPTION OF LOAD</td></thload </thload </thload 	DESCRIPTION OF LOAD
1 3 60/	A-3P RTU-1 (E)	H 6.12 12.25 H 6.12 EXISTING 12.2	6.12 H 5 EXISTING 6.12 H RTU-2 (E)	60A-3P 4	1 20 5_20 LB WASHER 0 0.96 2#12, #12G, 3/4"C 1.92 2#12, #12G, 3/4"C 0.96 0 5_ 2<	20 LB WASHER 20 2
5		H 6.12	12.25 6.12 H FXISTING 0.36 D	6	3 20 5 20 5 20 5 20 5 20 1.92 2#12, #12G, 3/4 °C 0.96 0 5 5 20 5 20 20 1.92 2#12, #12G, 3/4 °C 0.96 0 5	20 LB WASHER 20 4 20 LB WASHER 20 6
9 2	0 SPARE		SPARE	20 8	7 20 5_20 LB WASHER 0 0.96 2#12, #12G, 3/4"C 1.92 2#12, #12G, 3/4"C 0.96 0 5_ 9 SPACE 0 <t< td=""><td>20 LB WASHER 20 8 'ACE 10</td></t<>	20 LB WASHER 20 8 'ACE 10
11 2 13 2	0 SPARE 0 SHOW WINDOW RECEPTACLE	R 1.80 EXISTING 1.90	0.10 2#12, #12G, 3/4"C 0.10 O WATER HEATER (WH-1) 2#12, #12G, 3/4"C 0.10 O WATER HEATER (WH-2)	20 12 20 14	11 SPACE 0.00 SPACE 13 SPACE 0.00 5PACE	ACE 12 ACE 14
15 2 17 2	0 SHOW WINDOW RECEPTACLE 0 SPARE	R 1.80 EXISTING 3.00	2#12, #12G, 3/4"C 1.20 O I_HAND DRYER WOMEN RESTROOM 1.20 2#12, #12G, 3/4"C 1.20 O I_HAND DRYER MEN RESTROOM	20 16 1 20 18	15 SPACE 0.00 SPACE SPACE	ACE 16
19 2 21 2	0 BUILDING SIGNAGE	L 1.20 EXISTING 1.20 B 1.80 2#12 #12G 3/4"C 1.90	2#12 #12G 3/4"C 0.10 O WATER HEATER (WH-3)	20 20	17 STACE 0.00 0.00 SPACE 19 SPACE 0.00 0.00 SPACE	ACE 20
23 2	0 SHOW WINDOW RECEPTACLE	R 1.80 2#12, #12G, 3/4"C 1.44	3.24 2#12, #12G, 3/4"C 1.44 O WATER HEATER (WH-4) 2#12, #12G, 2/4"C 1.44 O WATER HEATER (WH-4)	20 24	21 SPACE 0.00 0.00 SPACE SPACE 23 SPACE 0.00 0.00 0.00 SPACE SPACE	ACE 22 'ACE 24
23 2	SPACE		SPACE	20 20 28	25 SPACE 0.00 SPACE SPACE 27 SPACE 0.00 0.00 SPACE SPACE	ACE 26 'ACE 28
29 31	SPACE SPACE	0.00	0.00 SPACE Image: Space sp	30 32	29 SPACE 0.00 SPACE 31 SPACE 0.00 SPACE SPACE	ACE 30 ACE 32
33 35	SPACE SPACE	0.00	0.00 SPACE	34 36	33 SPACE 0.00 SPACE SPA	ACE 34 ACE 36
37	SPACE SPACE	0.00	SPACE SPACE	38	37 SPACE 0.00 SPACE 30 SPACE	ACE 38
41	SPACE TOTAL CONNECTED LOAD (KVA)		0.00 SPACE	42	39 SPACE 0.00	ACE 40 ACE 42
			5 10.75		TOTAL CONNECTED LOAD (KVA) 3.84 1.92 1.92	
PANEL: C(I	ע)		MOUNTING:	RECESSED		
120/208V VO	TS, 3 PHASE,	4 WIRE	LOCATION:	LAUNDRY		
MAIN CB NA	MLO: 125A	BUS: 125A MIN.	AIC RATING:	VERIFY IN FIELD		
		LOAD LOAD MINIMUM BRANCH PER PHASE	(KVA) MINIMUM BRANCH LOAD LOAD DESCRIPTION OF L			
1		TYPE (KVA) CIRCUIT A B 0 1.25 2#12 #120 2/4#0 2.29 2	C CIRCUIT (KVA) TYPE DESCRIPTION OF T	AMPS 2		
3 5 20/		0 1.25 2#12, #126, 3/4"C 2.29 0 1.25	2#12, #12G, 3/4°C 1.04 0 2_60 LB WASHER 2.29 1.04 0	20A-2P 4		
7 20/	A-2P 1_80 LB WASHER	0 1.25 2#12, #12G, 3/4"C 2.29 0 1.04 2.29 2.00	2#12, #12G, 3/4"C 1.04 0 2_60 LB WASHER	20A-2P 8		
<u> </u>	A-2P 2_60 LB WASHER	0 1.04 2#12, #12G, 3/4"C 2.08 0 1.04 2#12, #12G, 3/4"C 2.08	2#12, #12G, 3/4"C 1.04 0 2_60 LB WASHER 2.08 2#12, #12G, 3/4"C 1.04 0	20A-2P 12		
13 15	SPACE	1.04 1.04 1.04	2#12, #12G, 3/4"C 1.04 O 2_60 LB WASHER	20A-2P 14 16		
17 19	SPACE SPACE	1.04	1.04 2#12, #12G, 3/4"C 1.04 O 2_60 LB WASHER 1.04 O	20A-2P 18 20		I = HVAC I = MOTOR
21	SPACE SPACE	0.00	0.00 SPACE	22		= EQUIPMENT) = OTHER
25	SPACE	0.00	SPACE SPACE	24		
27 29	SPACE SPACE	0.00	0.00 SPACE	28 30		
31 33	SPACE SPACE	0.00	SPACE SPACE	32 34	2. ELECTRICAL CONTRACTOR TO VERIFY THE EXACT PANEL SIZES AND INCOMING FEEDER SIZE.	
35 37	SPACE SPACE	0.00	0.00 SPACE SPACE	36 38	3. REFER TO ARCHITECTURAL SHEET A-1.1 FOR EQUIPMENT PLAN & SCHEDULE. E.C. SHALL VERIFY THE BREAKER, CABLE, ELECTRICAL LOAD, PLUG, RECEPTACLES A REQUIREMENT/SIZES/RATINGS FOR ALL EQUIPMENTS WITH EQUIPMENT SUPPLIER/MANUFACTURER AND PROVIDE THE ELECTRICAL CONNECTION PER MANUFACT	AND CONDUIT TURER RECOMMENDATIONS
39 41	SPACE SPACE	0.00	0.00 SPACE	40		
·-	TOTAL CONNECTED LOAD (KVA)	A) 6.66 5.41	5.41	+2	PROVIDE THE ELECTRICAL BREAKER AND CABLES IN FIELD. BASE BID ACCORDINGLY.	



PANEL.	F(N)											MOUNTING:	RECESSED		
120/208V	VOLTS,	3 PHASE,			4	WIRE						LOCATION:	LAUNDRY		
MAIN CB	NA	MLO: 125A		BUS:	125A	MIN.						AIC RATING:	VERIFY IN FIELD		
					-	_			1		•	1			
CKT NO.	TRIP AMPS	DESCRIPTION OF LOAD	LOAD TYPE	LOAD (KVA)	MINIMUM BRANCH CIRCUIT	PE A	R PHASE (K B	VA) C	MINIMUM BRANCH CIRCUIT	LOAD (KVA)	LOAD TYPE	DESCRIPTION OF LO	OAD	TRIP AMPS	CKT NO.
1	- 20A-2P	2 3 40 LB WASHER	0	0.73	2#12 #12G 3/4"C	1.35			2#12_#12G_3/4"C	0.62	0	4 30 LB WASHER		20A-2P	2
3			0	0.73	,,,,,,,,,		1.35	1 35	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0.62	0			20/12/	4
7	- 20A-2P	3_40 LB WASHER	0	0.73	2#12, #12G, 3/4"C	1.35		1.55	2#12, #12G, 3/4"C	0.62	0	4_30 LB WASHER		20A-2P	8
9	20A-2P	3_40 LB WASHER	0	0.73	2#12, #12G, 3/4"C		1.35	1.25	2#12, #12G, 3/4"C	0.62	0	4_30 LB WASHER		20A-2P	10
11			0	0.73	2//42 //420 2/4//0	1.35		1.35		0.62	0				12
15	- 20A-2P	3_40 LB WASHER	0	0.73	2#12, #12G, 3/4°C		1.35		2#12, #12G, 3/4"C	0.62	0	4_30 LB WASHER		20A-2P	16
17	20 20	SPARE SPARE				0.62		0.62	2#12, #12G, 3/4"C	0.62	0	4_30 LB WASHER		20A-2P	18
21	20	SPACE				0.02	0.62			0.62	0			204.25	22
23		SPACE						0.62	2#12, #12G, 3/4°C	0.62	0			20A-2P	24
25		SPACE				0.00						SPARE		20	26
27		SPACE					0.00	0.00				SPARE		20	28
29		SPACE				0.00		0.00							30
33		SPACE				0.00	0.00					SPACE			32
35		SPACE						0.00				SPACE			36
37		SPACE				0.00						SPACE			38
39		SPACE					0.00					SPACE			40
41		SPACE						0.00				SPACE			42
		TOTAL CONNECTED LOAD (KV	'A)			4.68	4.68	3.95							
PANEL:	G(N)											MOUNTING:	RECESSED		
120/208V	VOLTS,														
MAIN CB												LOCATION:	MAINTENANCE A	REA	
	200A	3 PHASE, MLO: NA		BUS:	4 225A	WIRE MIN.						LOCATION:	VERIFY IN FIELD	REA	
	200A	MLO: NA		BUS:	4 225A	WIRE MIN.						LOCATION: AIC RATING:	MAINTENANCE A	REA	
СКТ NO.	200A TRIP AMPS	MLO: NA DESCRIPTION OF LOAD	LOAD	BUS:	4 225A MINIMUM BRANCH CIRCUIT	WIRE MIN. PE	R PHASE (K	VA)	MINIMUM BRANCH CIRCUIT	LOAD (KVA)	LOAD	LOCATION: AIC RATING: DESCRIPTION OF LO	MAINTENANCE AF	REA TRIP AMPS	CKT NO.
СКТ NO. 1	200A TRIP AMPS 20	3 PHASE, MLO: NA DESCRIPTION OF LOAD 20_HIGH-LOW DRINKING FOUNTAIN RECEPTACLE	LOAD TYPE E	BUS: LOAD (KVA) 0.60	4 225A MINIMUM BRANCH CIRCUIT 2#12, #12G, 3/4"C	WIRE MIN. PE A 3.00	R PHASE (K B	VA) C	MINIMUM BRANCH CIRCUIT 2#10, #10G, 3/4"C	LOAD (KVA) 2.40	LOAD TYPE O	LOCATION: AIC RATING: DESCRIPTION OF LO 7_45 LB STACK TUMBLE DRYER	MAINTENANCE AF	TRIP AMPS 30	СКТ NO. 2
СКТ NO. 1 3	200A TRIP AMPS 20 20	3 PHASE, MLO: NA DESCRIPTION OF LOAD 20_HIGH-LOW DRINKING FOUNTAIN RECEPTACLE 21_VENDING MACHINE RECEPTACLE	LOAD TYPE E E	BUS: LOAD (KVA) 0.60 1.20	4 225A MINIMUM BRANCH CIRCUIT 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C	WIRE MIN. PE A 3.00	R PHASE (K B 3.60	VA) C	MINIMUM BRANCH CIRCUIT 2#10, #10G, 3/4"C 2#10, #10G, 3/4"C	LOAD (KVA) 2.40 2.40	LOAD TYPE 0 0	LOCATION: AIC RATING: DESCRIPTION OF LO 7_45 LB STACK TUMBLE DRYER 7_45 LB STACK TUMBLE DRYER	MAINTENANCE A	TRIP AMPS 30 30	СКТ NO. 2 4
CKT NO. 1 3 5	200A TRIP AMPS 20 20 20 20	3 PHASE, MLO: NA DESCRIPTION OF LOAD 20_HIGH-LOW DRINKING FOUNTAIN RECEPTACLE 21_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE	LOAD TYPE E E E	BUS: LOAD (KVA) 0.60 1.20 1.20	4 225A MINIMUM BRANCH CIRCUIT 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C	WIRE MIN. PE A 3.00	R PHASE (K B 3.60	VA) C 3.12	MINIMUM BRANCH CIRCUIT 2#10, #10G, 3/4"C 2#10, #10G, 3/4"C 2#12, #12G, 3/4"C	LOAD (KVA) 2.40 2.40 1.92	LOAD TYPE 0 0 0	LOCATION: AIC RATING: DESCRIPTION OF LO 7_45 LB STACK TUMBLE DRYER 7_45 LB STACK TUMBLE DRYER 8_30 LB STACK TUMBLE DRYER	MAINTENANCE AF	TRIP AMPS 30 30 20	CKT NO. 2 4 6
CKT NO. 1 3 5 7	200A TRIP AMPS 20 20 20 20 20	3 PHASE, MLO: NA DESCRIPTION OF LOAD 20_HIGH-LOW DRINKING FOUNTAIN RECEPTACLE 21_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE	LOAD TYPE E E E E E	BUS: LOAD (KVA) 0.60 1.20 1.20 1.20	4 225A MINIMUM BRANCH CIRCUIT 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C	WIRE MIN. PE A 3.00 3.12	R PHASE (K ^V B 3.60	VA) C 3.12	MINIMUM BRANCH CIRCUIT 2#10, #10G, 3/4"C 2#10, #10G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C	LOAD (KVA) 2.40 2.40 1.92 1.92	LOAD TYPE 0 0 0 0	LOCATION: AIC RATING: DESCRIPTION OF LO 7_45 LB STACK TUMBLE DRYER 7_45 LB STACK TUMBLE DRYER 8_30 LB STACK TUMBLE DRYER 8_30 LB STACK TUMBLE DRYER	MAINTENANCE AF	TRIP AMPS 30 30 20 20	CKT NO. 2 4 6 8
CKT NO. 1 3 5 7 9 11	200A TRIP AMPS 20 20 20 20 20 20 30 30	3 PHASE, MLO: NA DESCRIPTION OF LOAD 20_HIGH-LOW DRINKING FOUNTAIN RECEPTACLE 21_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 24_UENDING MACHINE RECEPTACLE 25_VENDING MACHINE RECEPTACLE 24_UENDING MACHINE RECEPTACLE	LOAD TYPE E E E E E C O	BUS: LOAD (KVA) 0.60 1.20 1.20 1.20 2.40	4 225A MINIMUM BRANCH CIRCUIT 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#10, #10G, 3/4"C	WIRE MIN. PE A 3.00 3.12	R PHASE (K B 3.60 4.32	VA) C 3.12	MINIMUM BRANCH CIRCUIT 2#10, #10G, 3/4"C 2#10, #10G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C	LOAD (KVA) 2.40 2.40 1.92 1.92 1.92	LOAD TYPE 0 0 0 0 0 0	LOCATION: AIC RATING: DESCRIPTION OF LO 7_45 LB STACK TUMBLE DRYER 7_45 LB STACK TUMBLE DRYER 8_30 LB STACK TUMBLE DRYER 8_30 LB STACK TUMBLE DRYER 8_30 LB STACK TUMBLE DRYER 8_30 LB STACK TUMBLE DRYER	MAINTENANCE AF	TRIP AMPS 30 30 20 20 20 20 20 20 20 20 20 20	CKT NO. 2 4 6 8 10
CKT NO. 1 3 5 7 9 11 13	200A TRIP AMPS 20 20 20 20 20 20 30 30 30 30	3 PHASE, MLO: NA DESCRIPTION OF LOAD 20_HIGH-LOW DRINKING FOUNTAIN RECEPTACLE 21_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 7_45 LB STACK TUMBLE DRYER	LOAD TYPE E E E E E 0 0	BUS: LOAD (KVA) 0.60 1.20 1.20 1.20 1.20 2.40 2.40 2.40	4 225A MINIMUM BRANCH CIRCUIT 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#10, #10G, 3/4"C 2#10, #10G, 3/4"C	WIRE MIN. PE A 3.00 3.12 3.12	R PHASE (K B 3.60 4.32	/A) C 3.12 4.32	MINIMUM BRANCH CIRCUIT 2#10, #10G, 3/4"C 2#10, #10G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C	LOAD (KVA) 2.40 2.40 1.92 1.92 1.92 1.92 1.92	LOAD TYPE 0 0 0 0 0 0 0 0 0	LOCATION: AIC RATING: DESCRIPTION OF LO 7_45 LB STACK TUMBLE DRYER 7_45 LB STACK TUMBLE DRYER 8_30 LB STACK TUMBLE DRYER	MAINTENANCE AF	TRIP AMPS 30 30 20	CKT NO. 2 4 6 8 10 12 14
CKT NO. 1 3 5 7 9 11 13 15	200A TRIP AMPS 20 20 20 20 20 30 30 30 30 30 30	3 PHASE, MLO: NA DESCRIPTION OF LOAD 20_HIGH-LOW DRINKING FOUNTAIN RECEPTACLE 21_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 7_45 LB STACK TUMBLE DRYER	LOAD TYPE E E E E E 0 0 0 0 0 0	BUS: LOAD (KVA) 0.60 1.20 1.20 1.20 2.40 2.40 2.40 2.40 2.40	4 225A MINIMUM BRANCH CIRCUIT 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#10, #10G, 3/4"C 2#10, #10G, 3/4"C 2#10, #10G, 3/4"C	WIRE MIN. PE A 3.00 3.12 4.32	R PHASE (K B 3.60 4.32 4.32	VA) C 3.12 4.32	MINIMUM BRANCH CIRCUIT 2#10, #10G, 3/4"C 2#10, #10G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C	LOAD (KVA) 2.40 2.40 1.92 1.92 1.92 1.92 1.92 1.92 1.92 1.92	LOAD TYPE 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	LOCATION: AIC RATING: DESCRIPTION OF LO 7_45 LB STACK TUMBLE DRYER 7_45 LB STACK TUMBLE DRYER 8_30 LB STACK TUMBLE DRYER	MAINTENANCE AF	TRIP AMPS 30 30 20 20 20	CKT NO. 2 4 6 8 10 12 14 14
CKT NO. 1 3 5 7 9 11 13 15 17	200A TRIP AMPS 20 20 20 20 20 30 30 30 30 30 30 30	3 PHASE, MLO: NA DESCRIPTION OF LOAD 20_HIGH-LOW DRINKING FOUNTAIN RECEPTACLE 21_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 7_45 LB STACK TUMBLE DRYER	LOAD TYPE E E E E 0 0 0 0 0 0 0 0 0	BUS: LOAD (KVA) 0.60 1.20 1.20 1.20 2.40 2.40 2.40 2.40 2.40 2.40 2.40	4 225A MINIMUM BRANCH CIRCUIT 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#10, #10G, 3/4"C 2#10, #10G, 3/4"C 2#10, #10G, 3/4"C 2#10, #10G, 3/4"C	WIRE MIN. PE A 3.00 3.12 3.12 4.32	R PHASE (K B 3.60 4.32 4.32	VA) C 3.12 4.32 4.32	MINIMUM BRANCH CIRCUIT 2#10, #10G, 3/4"C 2#10, #10G, 3/4"C 2#12, #12G, 3/4"C	LOAD (KVA) 2.40 2.40 1.92 1.92 1.92 1.92 1.92 1.92 1.92 1.92	LOAD TYPE 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	LOCATION: AIC RATING: DESCRIPTION OF LO 7_45 LB STACK TUMBLE DRYER 7_45 LB STACK TUMBLE DRYER 8_30 LB STACK TUMBLE DRYER	MAINTENANCE AF	TRIP AMPS 30 30 20 20 20	CKT NO. 2 4 6 8 10 12 14 14 16 18
CKT NO. 1 3 5 7 9 11 13 15 17 19	200A TRIP AMPS 20 20 20 20 20 30 30 30 30 30 30 30 20	3 PHASE, MLO: NA DESCRIPTION OF LOAD 20_HIGH-LOW DRINKING FOUNTAIN RECEPTACLE 21_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 7_45 LB STACK TUMBLE DRYER 6_75 LB STACK TUMBLE DRYER	LOAD TYPE E E E E 0 0 0 0 0 0 0 0 0 0 0 0 0 0	BUS: LOAD (KVA) 0.60 1.20 1.20 1.20 2.40 2.40 2.40 2.40 2.40 2.40 1.44	4 225A MINIMUM BRANCH CIRCUIT 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#10, #10G, 3/4"C 2#10, #10G, 3/4"C 2#10, #10G, 3/4"C 2#10, #10G, 3/4"C 2#10, #10G, 3/4"C	WIRE MIN. PE A 3.00 3.12 3.12 4.32 4.32	R PHASE (K B 3.60 4.32 4.32	VA) C 3.12 4.32 4.32	MINIMUM BRANCH CIRCUIT 2#10, #10G, 3/4"C 2#10, #10G, 3/4"C 2#12, #12G, 3/4"C	LOAD (KVA) 2.40 2.40 1.92 1.92 1.92 1.92 1.92 1.92 1.92 1.92	LOAD TYPE 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	LOCATION: AIC RATING: DESCRIPTION OF LO 7_45 LB STACK TUMBLE DRYER 7_45 LB STACK TUMBLE DRYER 8_30 LB STACK TUMBLE DRYER	MAINTENANCE A	TRIP AMPS 30 30 20 20 20	CKT NO. 2 4 6 8 10 12 14 16 18 20
CKT NO. 1 3 5 7 9 11 13 15 17 19 21	200A TRIP AMPS 20 20 20 20 20 30 30 30 30 30 30 20 20 20 20 20 20 20 20 20 20 20 20 20	3 PHASE, MLO: NA DESCRIPTION OF LOAD 20_HIGH-LOW DRINKING FOUNTAIN RECEPTACLE 21_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 7_45 LB STACK TUMBLE DRYER 6_75 LB STACK TUMBLE DRYER 6_75 LB STACK TUMBLE DRYER	LOAD TYPE E E E E 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	BUS: LOAD (KVA) 0.60 1.20 1.20 1.20 2.40 2.40 2.40 2.40 2.40 2.40 1.44 1.44	4 225A MINIMUM BRANCH CIRCUIT 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#10, #10G, 3/4"C 2#10, #10G, 3/4"C 2#10, #10G, 3/4"C 2#10, #10G, 3/4"C 2#10, #10G, 3/4"C 2#12, #12G, 3/4"C	WIRE MIN. PE A 3.00 3.12 3.12 4.32 4.32 3.36	R PHASE (K B 3.60 4.32 4.32 4.32	VA) C 3.12 4.32 4.32	MINIMUM BRANCH CIRCUIT 2#10, #10G, 3/4"C 2#10, #10G, 3/4"C 2#12, #12G, 3/4"C	LOAD (KVA) 2.40 2.40 1.92 1.92 1.92 1.92 1.92 1.92 1.92 1.92	LOAD TYPE 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	LOCATION: AIC RATING: DESCRIPTION OF LO 7_45 LB STACK TUMBLE DRYER 7_45 LB STACK TUMBLE DRYER 8_30 LB STACK TUMBLE DRYER	MAINTENANCE AN VERIFY IN FIELD	TRIP AMPS 30 30 20 20 20	CKT NO. 2 4 6 8 10 12 14 16 18 20 22
CKT NO. 1 3 5 7 9 11 13 15 17 19 21 23	200A TRIP AMPS 20 20 20 20 20 30 30 30 30 30 20 20 20 20 20 20 20 20 20 20 20 20 20	3 PHASE, MLO: NA DESCRIPTION OF LOAD 20_HIGH-LOW DRINKING FOUNTAIN RECEPTACLE 21_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 7_45 LB STACK TUMBLE DRYER 6_75 LB STACK TUMBLE DRYER 6_75 LB STACK TUMBLE DRYER SPARE	LOAD TYPE E E E E 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	BUS: LOAD (KVA) 0.60 1.20 1.20 1.20 2.40 2.40 2.40 2.40 2.40 2.40 1.44 1.44	4 225A MINIMUM BRANCH CIRCUIT 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#10, #10G, 3/4"C 2#10, #10G, 3/4"C 2#10, #10G, 3/4"C 2#10, #10G, 3/4"C 2#10, #10G, 3/4"C 2#12, #12G, 3/4"C	WIRE MIN. PE A 3.00 3.12 3.12 4.32 4.32 3.36	R PHASE (K B 3.60 4.32 4.32 1.44	VA) C 3.12 4.32 4.32 0.00	MINIMUM BRANCH CIRCUIT 2#10, #10G, 3/4"C 2#10, #10G, 3/4"C 2#12, #12G, 3/4"C	LOAD (KVA) 2.40 2.40 1.92 1.92 1.92 1.92 1.92 1.92 1.92 1.92	LOAD TYPE 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	LOCATION: AIC RATING: DESCRIPTION OF LO 7_45 LB STACK TUMBLE DRYER 7_45 LB STACK TUMBLE DRYER 8_30 LB STACK TUMBLE DRYER	MAINTENANCE AF	TRIP AMPS 30 30 20 20 20	CKT NO. 2 4 6 8 10 12 14 16 18 20 22 24
CKT NO. 1 3 5 7 9 11 13 15 17 19 21 23 25	200A TRIP AMPS 20 20 20 20 20 30 30 30 30 30 20 20 20 20 20 20 20 20 20 20 20 20 20	3 PHASE, MLO: NA DESCRIPTION OF LOAD 20_HIGH-LOW DRINKING FOUNTAIN RECEPTACLE 21_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 7_45 LB STACK TUMBLE DRYER 6_75 LB STACK TUMBLE DRYER 6_75 LB STACK TUMBLE DRYER 6_75 LB STACK TUMBLE DRYER SPARE SPARE	LOAD TYPE E E E E 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	BUS: LOAD (KVA) 0.60 1.20 1.20 1.20 2.40 2.40 2.40 2.40 2.40 2.40 2.40 1.44 1.44	4 225A MINIMUM BRANCH CIRCUIT 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#10, #10G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C	WIRE MIN. A A A A A A A A A A A A A A A A A A A	R PHASE (K B 3.60 4.32 4.32 1.44	VA) C 3.12 4.32 4.32 0.00	MINIMUM BRANCH CIRCUIT 2#10, #10G, 3/4"C 2#10, #10G, 3/4"C 2#12, #12G, 3/4"C	LOAD (KVA) 2.40 2.40 1.92 1.92 1.92 1.92 1.92 1.92 1.92 1.92	LOAD TYPE 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	LOCATION: AIC RATING: DESCRIPTION OF LO 7_45 LB STACK TUMBLE DRYER 7_45 LB STACK TUMBLE DRYER 8_30 LB STACK TUMBLE DRYER	MAINTENANCE AF	TRIP 30 30 20	CKT NO. 2 4 6 8 10 12 14 16 18 20 22 24 24 26 20
CKT NO. 1 3 5 7 9 11 13 15 17 19 21 23 25 27 20	200A TRIP AMPS 20 20 20 20 20 30 30 30 30 30 20 20 20 20 20 20 20 20 20 20 20 20 20	3 PHASE, MLO: NA DESCRIPTION OF LOAD 20_HIGH-LOW DRINKING FOUNTAIN RECEPTACLE 21_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 7_45 LB STACK TUMBLE DRYER 6_75 LB STACK TUMBLE DRYER 6_75 LB STACK TUMBLE DRYER 6_75 LB STACK TUMBLE DRYER SPARE SPARE SPARE SPACE	LOAD TYPE E E E 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	BUS: LOAD (KVA) 0.60 1.20 1.20 1.20 2.40 2.40 2.40 2.40 2.40 2.40 2.40 1.44 1.44	4 225A MINIMUM BRANCH CIRCUIT 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#10, #10G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C	WIRE MIN. PE A 3.00 3.12 3.12 4.32 4.32 3.36	R PHASE (K B 3.60 4.32 4.32 4.32 1.44	VA) C 3.12 4.32 4.32 0.00	MINIMUM BRANCH CIRCUIT 2#10, #10G, 3/4"C 2#10, #10G, 3/4"C 2#12, #12G, 3/4"C	LOAD (KVA) 2.40 2.40 1.92 1.92 1.92 1.92 1.92 1.92 1.92 1.92	LOAD TYPE 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	LOCATION: AIC RATING: DESCRIPTION OF LO 7_45 LB STACK TUMBLE DRYER 7_45 LB STACK TUMBLE DRYER 8_30 LB STACK TUMBLE DRYER	MAINTENANCE AF	TRIP 30 30 20 <td>CKT NO. 2 4 6 8 10 12 14 16 18 20 22 24 24 26 28 28 30</td>	CKT NO. 2 4 6 8 10 12 14 16 18 20 22 24 24 26 28 28 30
CKT NO. 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31	200A TRIP AMPS 20 20 20 20 20 30 30 30 30 30 20 20 20 20 20 20 20 20 20 20 20 20 20	3 PHASE, MLO: NA DESCRIPTION OF LOAD 20_HIGH-LOW DRINKING FOUNTAIN RECEPTACLE 21_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 7_45 LB STACK TUMBLE DRYER 6_75 LB STACK TUMBLE DRYER 6_75 LB STACK TUMBLE DRYER 6_75 LB STACK TUMBLE DRYER SPARE SPARE SPARE SPACE SPACE SPACE	LOAD TYPE E E E 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	BUS: LOAD (KVA) 0.60 1.20 1.20 1.20 2.40 2.40 2.40 2.40 2.40 1.44 1.44	4 225A MINIMUM BRANCH CIRCUIT 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#10, #10G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C	WIRE MIN. PE A 3.00 3.12 3.12 4.32 4.32 3.36 3.36 0.00	R PHASE (K B 3.60 4.32 4.32 4.32 1.44 0.00	VA) C 3.12 4.32 4.32 0.00	MINIMUM BRANCH CIRCUIT 2#10, #10G, 3/4"C 2#10, #10G, 3/4"C 2#12, #12G, 3/4"C	LOAD (KVA) 2.40 2.40 1.92 1.92 1.92 1.92 1.92 1.92 1.92 1.92	LOAD TYPE 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	LOCATION: AIC RATING: DESCRIPTION OF LO 7_45 LB STACK TUMBLE DRYER 7_45 LB STACK TUMBLE DRYER 8_30 LB STACK TUMBLE DRYER	MAINTENANCE AF	TRIP AMPS 30 30 20 <	CKT NO. 2 4 6 8 10 12 14 16 18 20 22 24 24 26 28 30 32
CKT NO. 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33	200A TRIP AMPS 20 20 20 20 20 30 30 30 30 30 20 20 20 20 20 20 20 20 20 20 20 20 20	3 PHASE, MLO: NA DESCRIPTION OF LOAD 20_HIGH-LOW DRINKING FOUNTAIN RECEPTACLE 21_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 7_45 LB STACK TUMBLE DRYER 6_75 LB STACK TUMBLE DRYER 6_75 LB STACK TUMBLE DRYER 6_75 LB STACK TUMBLE DRYER SPARE SPARE SPARE SPACE SPACE SPACE SPACE	LOAD TYPE E E E 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	BUS: LOAD (KVA) 0.60 1.20 1.20 1.20 2.40 2.40 2.40 2.40 2.40 1.44 1.44	4 225A MINIMUM BRANCH CIRCUIT 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#10, #10G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C	WIRE MIN. PE A 3.00 3.12 3.12 4.32 4.32 3.36 0.00	R PHASE (K B 3.60 4.32 4.32 1.44 0.00	VA) C 3.12 4.32 4.32 0.00	MINIMUM BRANCH CIRCUIT 2#10, #10G, 3/4"C 2#10, #10G, 3/4"C 2#12, #12G, 3/4"C	LOAD (KVA) 2.40 2.40 1.92 1.92 1.92 1.92 1.92 1.92 1.92 1.92	LOAD TYPE 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	LOCATION: AIC RATING: DESCRIPTION OF LO 7_45 LB STACK TUMBLE DRYER 7_45 LB STACK TUMBLE DRYER 8_30 LB STACK TUMBLE DRYER	MAINTENANCE A	TRIP AMPS 30 30 20 <	CKT NO. 2 4 6 8 10 12 14 16 18 20 22 24 26 22 24 26 28 30 32 34
CKT NO. 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35	200A TRIP AMPS 20 20 20 20 20 30 30 30 30 30 20 20 20 20 20 20 20 20 20 20 20 20 20	3 PHASE, MLO: NA DESCRIPTION OF LOAD 20_HIGH-LOW DRINKING FOUNTAIN RECEPTACLE 21_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 7_45 LB STACK TUMBLE DRYER 6_75 LB STACK TUMBLE DRYER SPARE SPARE SPARE SPACE SPACE SPACE SPACE SPACE	LOAD TYPE E E E E 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	BUS: LOAD (KVA) 0.60 1.20 1.20 1.20 2.40 2.40 2.40 2.40 2.40 1.44 1.44	4 225A MINIMUM BRANCH CIRCUIT 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#10, #10G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C	WIRE MIN. PE A 3.00 3.12 3.12 4.32 4.32 3.36 0.00 0.00	R PHASE (K B 3.60 4.32 4.32 4.32 1.44 0.00	VA) C 3.12 4.32 4.32 0.00 0.00	MINIMUM BRANCH CIRCUIT 2#10, #10G, 3/4"C 2#10, #10G, 3/4"C 2#12, #12G, 3/4"C	LOAD (KVA) 2.40 2.40 1.92 1.92 1.92 1.92 1.92 1.92 1.92 1.92	LOAD TYPE 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	LOCATION: AIC RATING: DESCRIPTION OF LO 7_45 LB STACK TUMBLE DRYER 7_45 LB STACK TUMBLE DRYER 8_30 LB STACK TUMBLE DRYER SPARE SPARE SPACE SPACE SPACE SPACE	MAINTENANCE AF	TRIP 30 30 20 <td>CKT NO. 2 4 6 8 10 12 14 16 18 20 22 24 26 28 20 22 24 26 28 30 32 34 36</td>	CKT NO. 2 4 6 8 10 12 14 16 18 20 22 24 26 28 20 22 24 26 28 30 32 34 36
CKT NO. 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37	200A TRIP AMPS 20 20 20 20 20 30 30 30 30 30 20 20 20 20 20 20 20 20 20 20 20 20 20	3 PHASE, MLO: NA DESCRIPTION OF LOAD 20_HIGH-LOW DRINKING FOUNTAIN RECEPTACLE 21_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 7_45 LB STACK TUMBLE DRYER 6_75 LB STACK TUMBLE DRYER SPARE SPARE SPARE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE	LOAD TYPE E E E E 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	BUS: LOAD (KVA) 0.60 1.20 1.20 1.20 2.40 2.40 2.40 2.40 2.40 2.40 1.44 1.44	4 225A MINIMUM BRANCH CIRCUIT 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#10, #10G, 3/4"C 2#10, #10G, 3/4"C 2#10, #10G, 3/4"C 2#10, #10G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C	WIRE MIN. PE A 3.00 3.12 3.12 4.32 4.32 3.36 0.00 0.00	R PHASE (K B 3.60 4.32 4.32 4.32 1.44 0.00	VA) C 3.12 4.32 4.32 0.00 0.00	MINIMUM BRANCH CIRCUIT 2#10, #10G, 3/4"C 2#10, #10G, 3/4"C 2#12, #12G, 3/4"C	LOAD (KVA) 2.40 2.40 1.92 1.92 1.92 1.92 1.92 1.92 1.92 1.92	LOAD TYPE 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	LOCATION: AIC RATING: DESCRIPTION OF LO 7_45 LB STACK TUMBLE DRYER 7_45 LB STACK TUMBLE DRYER 8_30 LB STACK T	MAINTENANCE AF	TRIP 30 30 20 <td>CKT NO. 2 4 6 8 10 12 14 16 18 20 22 24 24 26 28 30 32 28 30 32 34 36 38</td>	CKT NO. 2 4 6 8 10 12 14 16 18 20 22 24 24 26 28 30 32 28 30 32 34 36 38
CKT NO. 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39	200A TRIP AMPS 20 20 20 20 20 30 30 30 30 30 20 20 20 20 20 20 20 20 20 20 20 20 20	3 PHASE, MLO: NA DESCRIPTION OF LOAD 20_HIGH-LOW DRINKING FOUNTAIN RECEPTACLE 21_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 7_45 LB STACK TUMBLE DRYER 6_75 LB STACK TUMBLE DRYER 5PARE SPARE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE	LOAD TYPE E E E 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	BUS: LOAD (KVA) 0.60 1.20 1.20 1.20 2.40 2.40 2.40 2.40 2.40 1.44 1.44 1.44 1.44	4 225A MINIMUM BRANCH CIRCUIT 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#10, #10G, 3/4"C 2#10, #10G, 3/4"C 2#10, #10G, 3/4"C 2#10, #10G, 3/4"C 2#10, #10G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C	WIRE MIN. PE A 3.00 3.12 4.32 4.32 0.00 0.00 0.00 0.00	R PHASE (K B 3.60 4.32 4.32 4.32 1.44 0.00	VA) C 3.12 4.32 4.32 0.00 0.00	MINIMUM BRANCH CIRCUIT 2#10, #10G, 3/4"C 2#10, #10G, 3/4"C 2#12, #12G, 3/4"C	LOAD (KVA) 2.40 2.40 1.92 1.92 1.92 1.92 1.92 1.92 1.92 1.92	LOAD TYPE 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	LOCATION: AIC RATING: DESCRIPTION OF LO 7_45 LB STACK TUMBLE DRYER 7_45 LB STACK TUMBLE DRYER 8_30 LB STACK TUMBLE DRYER SPACE SPACE SPACE SPACE	MAINTENANCE AF	TRIP 30 30 20 <td>CKT NO. 2 4 6 8 10 12 14 16 18 20 22 24 26 28 20 22 24 26 28 30 32 34 30 32 34 36 38 40</td>	CKT NO. 2 4 6 8 10 12 14 16 18 20 22 24 26 28 20 22 24 26 28 30 32 34 30 32 34 36 38 40
CKT NO. 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41	200A TRIP AMPS 20 20 20 20 20 30 30 30 30 30 20 20 20 20 20 20 20 20 20 20 20 20 20	3 PHASE, MLO: NA DESCRIPTION OF LOAD 20_HIGH-LOW DRINKING FOUNTAIN RECEPTACLE 20_HIGH-LOW DRINKING FOUNTAIN RECEPTACLE 21_VENDING MACHINE RECEPTACLE 21_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 22_VENDING MACHINE RECEPTACLE 7_45 LB STACK TUMBLE DRYER 6_75 LB STACK TUMBLE DRYER SPARE SPARE SPARE SPACE SPACE	LOAD TYPE E E E E 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	BUS: LOAD (KVA) 0.60 1.20 1.20 2.40 2.40 2.40 2.40 2.40 1.44 1.44 1.44	4 225A MINIMUM BRANCH CIRCUIT 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#10, #10G, 3/4"C 2#10, #10G, 3/4"C 2#10, #10G, 3/4"C 2#10, #10G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C 2#12, #12G, 3/4"C	WIRE MIN. PE A 3.00 3.12 3.12 4.32 4.32 0.00 0.00 0.00 0.00	R PHASE (K B 3.60 4.32 4.32 4.32 0.00 0.00	VA) C 3.12 4.32 4.32 0.00 0.00	MINIMUM BRANCH CIRCUIT 2#10, #10G, 3/4"C 2#10, #10G, 3/4"C 2#12, #12G, 3/4"C	LOAD (KVA) 2.40 1.92 1.92 1.92 1.92 1.92 1.92 1.92 1.92	LOAD TYPE 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	LOCATION: AIC RATING: DESCRIPTION OF LO 7_45 LB STACK TUMBLE DRYER 7_45 LB STACK TUMBLE DRYER 8_30 LB STACK T	MAINTENANCE AND CE AND	TRIP 30 30 20 <td>CKT NO. 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42</td>	CKT NO. 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42

19	20	6_75 LB STACK TUMBLE DRYER	0	1.44	2#12, #12G, 3/4"C	3.36			2#12, #12G, 3/4"C	
21	20	6_75 LB STACK TUMBLE DRYER	0	1.44	2#12, #12G, 3/4"C		1.44			
23	20	SPARE						0.00		
25	20	SPARE				0.00				
27		SPACE					0.00			
29		SPACE						0.00		
31		SPACE				0.00				
33		SPACE					0.00			
35		SPACE						0.00		
37		SPACE				0.00				
39		SPACE					0.00			
41		SPARE						0.00		
		TOTAL CONNECTED LOAD (KVA)				13.80	13.68	11.76		









WATER HEATER	SCHEDULE
MANUFACTURER	CHRONOMITE
MODEL	CM-15L/208
EQUIPMENT TAG	WH-4,5
STATUS	NEW
QUANTITY	2
CAPACITY	INSTA - HOT
FUEL	ELECTRIC
<w td="" 🔺<=""><td>#2 X 3.12 KW</td></w>	#2 X 3.12 KW
RECOVERY	0.5 GPM*
VOLTAGE	208/1/60
AMPERAGE	15
WEIGHT (EMPTY)	5 LBS.
/OLTAGE MPERAGE VEIGHT (EMPTY)	208/1/60 15 5 LBS.

1	WATER HEATER S	SCHEDU
	MANUFACTURER	N
	MODEL	NF
	EQUIPMENT TAG	W
<	STATUS	
	QUANTITY	
	CAPACITY	TA
	FUEL	
	CFH	1
	RECOVERY	21
	ENERGY FACTOR	
	VOLTAGE	1:
	AMPERAGE	2
	WEIGHT (EMPTY)	8
	VENT	
	NOTES:	
	1. * @ 55°F TEMPERATURE R	ISE.
	2. INSTALL NEW EXPANSION	TANK (E

PLUMBING GENERAL NOTES

1.	ALL WORKMANSHIP AND MATERIALS SHALL BE IN STRICT ACCORDANCE WITH APPLICABLE LOCAL CODES, RULES AND ORDINANCES.
2.	PLUMBING CONTRACTOR SHALL REVIEW ALL DRAWINGS OF THIS SET. CONTRACTOR TO VERIFY THAT ALL EQUIPMENT SHOWN AS EXISTING MATCHES THE DESCRIPTIONS AND SPECIFICATIONS SHOWN ON DRAWINGS AND SCHEDULES. IF DIFFERENT NOTIFY ARCHITECT/ENGINEER BEFORE BIDDING, ORDERING OR PRECEDING WITH WORK.
3.	ALL EQUIPMENT WHICH IS TO REMAIN MUST BE REFURBISHED TO A LIKE NEW CONDITION.
4.	PLUMBING CONTRACTOR SHALL VISIT THE JOB SITE AND THOROUGHLY FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS.
5.	ALL MATERIALS SHALL BE NEW.
6.	ALL WORK SHALL BE PERFORMED BY A LICENSED PLUMBING CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE. ALL EXCAVATION AND BACKFILL AS REQUIRED FOR THIS PHASE OF CONSTRUCTION SHALL BE A PART OF THIS CONTRACT.
7.	REQUIRED INSURANCE SHALL BE PROVIDED BY THE PLUMBING CONTRACTOR FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK.
8.	PLUMBING CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, FEES, INSPECTION AND TESTS. PLUMBING CONTRACTOR TO OBTAIN PERMIT AND APPROVED SUBMITTALS PRIOR TO BEGINNING WORK OR ORDERING EQUIPMENT. PLUMBING CONTRACTOR MUST BE PRESENT FOR ALL INSPECTIONS OF HIS WORK BY REGULATORY AUTHORITIES.
9.	DRAWINGS ARE DIAGRAMMATIC. DO NOT SCALE FOR THE EXACT LOCATION OF FIXTURES, PIPING, EQUIPMENT, ETC.
10	ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION. REPORT ANY DISCREPANCY TO ENGINEER/ARCHITECT PRIOR TO BEGINNING CONSTRUCTION.
11	. VERIFY LOCATION, SIZE, DIRECTION OF FLOW AND INVERTS OF ALL EXISTING UTILITIES PRIOR TO BEGINNING OF CONSTRUCTION. ADVISE ENGINEER OF ANY DISCREPANCIES.
12	. EXPOSED WATER PIPING SHALL BE TYPE "L" COPPER FOR 2" AND UNDER. WATER PIPING IN WALLS AND UNDERGROUND MAY BE "PEX" TYPE PIPING THAT MEETS ANSI/NSF STANDARD 61.
13	. SOIL, WASTE, VENT AND RAINWATER PIPING SHALL BE PVC BUT MAY NOT RUN THRU RATED ASSEMBLIES OR IN PLENUMS.
14	ALL FIXTURES MUST BE PROVIDED WITH READILY ACCESSIBLE STOPS AND APPROPRIATELY MARKED ACCESS PANELS. COORDINATE LOCATIONS WITH GENERAL CONTRACTOR PRIOR TO INSTALLATION.
15	. FURNISH AND INSTALL WATER HAMMER ARRESTORS CONFIRMING TO ASSE 1010 AT EACH PLUMBING FIXTURE GROUP AS PER CODE WITH GOOD ENGINEERING PRACTICE
16	. DIELECTRIC COUPLINGS ARE REQUIRED BETWEEN ALL DISSIMILAR METAL IN PIPING AND EQUIPMENT CONNECTIONS; EXCEPT AT WATER HEATER AS PER CODE.
17	. ISOLATE COPPER PIPE FROM HANGER OR SUPPORTS WITH ISOLATOR PAD.
18	. ALL FIRE RATED FLOOR AND WALL PENETRATIONS SHALL BE PROPERLY PROTECTED FROM FIRE, SMOKE AND WATER PENETRATION BY FILLING VOIDS BETWEEN PIPE AND WALL/FLOOR SLEEVES WITH FIRE RATED FOAM, TO ACHIEVE THE SAME RATING AS WALLS OR FLOORS AS PART OF THE PLUMBER'S WORK.
19	. PLUMBING CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN ONE (1) YEAR FROM DATE OF CERTIFICATE OF OCCUPANCY. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE WITHIN 72 HOURS OF NOTIFICATION AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED. PROVIDE COPY TO LL.
20	PROVIDE CHROME PLATED COMBINATION COVER PLATE AND CLEAN OUT PLUG OR ACCESS PANEL FOR ALL CLEANOUTS.
21	. NO COMBUSTIBLE MATERIAL TO BE USED IN MECHANICAL ROOMS OR IN CEILING SPACES WHERE USED AS RETURN AIR PLENUMS.
22	. NO WATER, SANITARY OR DRAINAGE PIPING PERMITTED IN ELECTRICAL OR ELEVATOR EQUIPMENT ROOMS.
23	WATER PIPING INSULATION SHALL BE 1" THICK ARMAFLEX INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS FOR ALL HOT WATER PIPING. WHERE DOMESTIC WATER TEMPERATURES CAN CAUSE SWEATING, ALL COLD WATER PIPING SHALL BE INSULATED WITH 1/2" THICK ARMAFLEX INSULATION.
24	. CONDENSATE DRAIN LINES TO BE RUN UNDER SLAB IN PVC SCH40 PIPE AND STUBBED OUT OF WALL TO UNIT. TIE-IN OF A/C TO BE BY OTHERS. PVC PIPING WITH 1/2" THICK ARMAFLEX INSULATION MAY BE USED IN LOCATIONS WHERE ALLOWED BY LOCAL CODES. SEE PLUMBING DRAWINGS FOR SIZE AND LOCATION OF PIPING. PVC WILL BE MIN. SCHEDULE 40 FOR SIZE AND LOCATION OF PIPING. PVC WILL BE MIN. SCHEDULE 40.
25	. PROVIDE ANGLE STOPS ON ALL WATER SERVICE LINES TO FIXTURES FOR INDIVIDUAL SHUT-OFF.
26	NO JOINTS UNDERGROUND FOR COPPER.
27	. PLUMBING FIXTURES SHALL COMPLY WITH 2020 FLORIDA PLUMBING CODE.
28	WATER HAMMER ARRESTORS AS PER 2020 FLORIDA PLUMBING CODE.
29	PLUMBING CONTRACTOR SHALL REVIEW ALL BID DOCUMENTATION.
31	. PLUMBING CONTRACTOR SHALL REVIEW WALL FINISHES @ LOCATION REQUIRING BARRIER-FREE COMPLIANCE (EXAMPLE: CENTER LINE TO TOILET)

32. CONSTRUCTION "AS BUILT" DRAWINGS AND DOCUMENTS SHALL BE PROVIDED TO THE OWNER WITHIN 30 DAYS AFTER THE DATE OF ACCEPTANCE. PROVIDE A COPY TO LL.

33. OPERATION MANUALS AND MAINTENANCE MANUALS SHALL BE PROVIDED TO THE BUILDING OWNER. PROVIDE A COPY TO LL.

34. ALL COMPONENTS IN THE DOMESTIC WATER SYSTEM SHALL BE LEAD FREE IN ACCORDANCE WITH FBC PL 605.2 AND 605.2.1 PER WPB FBC 107.2.1

35. HORIZONTAL PIPES SHALL BE SUPPORTED IN ACCORDANCE WITH FBC PL TABLE 308.5

36. SLOPE OF DRAINAGE PIPING SHALL BE 1/8" PER FOOT OF RUN FOR PIPE 3" TO 6" AND 1/4" PER FOOT OF RUN FOR PIPE 2-1/2" AND SMALLER.

RES	TROC	OM FIXTURE SCHEDU	JLE			WA	TER	WASTE		
Item No.	Qty.	Description	Manufacturer	Model		Hot	Cold	Waste	Usage	Spec
А	2	LAVATORY	AMERICAN STANDARD	LUCERNE				2"		
A1	2	FAUCET	AMERICAN STANDARD	SELECTRONIC		1/2"	1/2"		0.5	GPM
	2	THERMAL MIXING VALVE	WATTS	LFMMV		1/2"	1/2"			
	2	INSULATED PLUMBING COVER	PLUMBEREX	HANDY SHIELD						
В	2	WATER CLOSET	AMERICAN STANDARD	CADET 3			3/4"	4"	1.28	GPF
	2	ELONGATED SEAT	AMERICAN STANDARD	EXTRA HD COMMER TOILET SEAT	CIAL					
LAUNDRY AREA EQUIPMENT PLUMBING SCHEDULE							WASTE	GAS		
ltem No.	Qty.	Description	Manufacturer	Model	Hot	Cold	Waste	cfh	Usage	Spec
1	2	80 LB WASHER	HUEBSCH	НСТ080	3/4"	3/4"	3"			
2	6	60 LB WASHER	HUEBSCH	НСТ060	3/4"	3/4"	3"			
3	10	40 LB WASHER	HUEBSCH	НСТ040	3/4"	3/4"	3"			
4	8	30 LB WASHER	HUEBSCH	НСТ030	3/4"	3/4"	3"			
5	8	20 LB WASHER	HUEBSCH	HCT020	3/4"	3/4"	3"		•	
6	2	75 LB STACK TUMBLE DRYER	HUEBSCH	HT075				165		
7	7	45 LB STACK TUMBLE DRYER	HUEBSCH	HTT45				190		
8	8	30 LB STACK TUMBLE DRYER	HUEBSCH	HTT30				146		
20	1	HIGH-LOW DRINKING FOUNTAIN	ELKAY	EZSTL8LC		1/2"	2"	-		
	1	MOP SINK	REGENCY	600SM242412			3"			
23	•									

PLUMBING LEGEND

<u> </u>	an <u> </u>	SANITARY PIPING (BELOW GROUND)
<u>∽</u> –w	san -	WASHER SANITARY (BELOW GROUND)
<u> </u>	v- — —	VENT PIPING
<u> </u>	- —	DOMESTIC COLD WATER PIPING
<u> </u>	<u> </u>	HOT WATER PIPING
ç		HOT WATER RETURN PIPING
Ş(<u> </u>	PIPE RISE
<u>} </u>	<u> </u>	PIPE DROP
E		CAPPED END OF PIPE
FCO 🤄		FLOOR CLEAN OUT
	-20	P-TRAP
A	AV	AIR ADMITTANCE VALVE
S.(D.V.	SHUT-OFF VALVE
C	W	DOMESTIC COLD WATER
ŀ	łW	DOMESTIC HOT WATER
H	WR	DOMESTIC HOT WATER RETURN
	\bowtie	GATE VALVE
[ø	BALANCING VALVE
	Ω	WATER HAMMER ARRESTER
	V	GAS SHUTOFF VALVE
	🖗 FD	FLOOR DRAIN
	$\mathbf{\partial}$	POINT OF CONNECTION
		THERMOSTATIC MIXING VALVE

FIXTURE SCHEDULES										
FIXTURE	COLD WATER	HOT WATER	WASTE	VENT						
WATER CLOSET(T)	3⁄4"		4"	2"						
LAVATORY	1⁄2"	1/2"	2"	11⁄2"						
FLOOR DRAIN			3"	2"						
SERVICE SINK	3⁄4"	3⁄4"	3"	2"						

SCOPE OF WORK

PROVIDE ALL PLUMBING FOR NEW COMMERCIAL LAUNDRY SERVICES INCLUDING ALL WATER, SANITARY AND GAS LINES AND CONNECT TO EXISTING / NEW UTILITIES. PROVIDE NEW GAS INSTANTANEOUS TYPE WATER HEATER, DRAIN TROUGH WITH REMOVABLE LINT FILTER AND EXTERIOR LINT INTERCEPTOR. COORDINATE WITH GC AND MECHANICAL CONTRACTOR FOR ANY REQUIRED CONDENSATE LINES.

ENERGY CONSERVATION NOTES

AS PER 2020 FLORIDA ENERGY CONSERVATION CODE SECTION C404.4, PIPING FROM A WATER HEATER TO THE TERMINATION OF HEATED WATER FIXTURE SUPPLY PIPE SHALL BE INSULATED IN ACCORDANCE WITH TABLE C403.2.10 OF MINIMUM PIPE INSULATION THICKNESS

MINIMUM PIPE INSULATION THICKNESS								
FLUID OPERATING TEMPERATURE RANGE AND USAGE (°F)	INSULATION CONDUCTIVITY		NOMINAL PIPE OR TUBE SIZE (INCHES)					
	CONDUCTIVITY BTU· IN./ (H· FT2· °F)	MEAN RATING TEMPERATURE, °F	<1	1 TO <1½	1½ TO <4	4 TO <8	<u>></u> 8	
141-200	0.25-0.29	125	1.5	1.5	2	2	2	
105-140	0.21-0.28	100	1.0	1.0	1.5	1.5	1.5	
40-60	0.21-0.27	75	0.5	0.5	1.0	1.0	1.0	

- AS PER 2020 FLORIDA ENERGY CODE SECTION C404.6.1, AUTOMATIC CONTROLS SHALL BE INSTALLED THAT LIMITS THE OPERATION OF A RE-CIRCULATING PUMP AND THE SYSTEM RETURN PIPE SHALL BE A DEDICATED RETURN PIPE OR A COLD WATER SUPPLY PIPE.
- AS PER 2020 FLORIDA ENERGY CODE SECTION C404.7, PUMPS SHALL HAVE CONTROLS THAT COMPLY WITH BOTH OF THE FOLLOWING:
- A. THE CONTROL SHALL START THE PUMP UPON RECEIVING A SIGNAL FROM THE ACTION OF A USER OF A FIXTURE OR APPLIANCE, SENSING THE PRESENCE OF A USER OF A FIXTURE OR SENSING THE FLOW OF HOT OR TEMPERED WATER TO A FIXTURE FITTING OR APPLIANCE.
- THE CONTROL SHALL LIMIT THE TEMPERATURE OF THE WATER ENTERING THE COLD-WATER PIPING TO 104°F (40°C).

EXISTING CONDITION NOTES

STOP AND READ

THE CONTRACTOR AND SUB-CONTRACTORS SHALL NOT INITIATE ANY WORK UNTIL EXISTING FIELD CONDITIONS ARE PROPERLY VERIFIED . THIS SHALL HOLD TRUE FOR FIRST GENERATION AND 2ND GENERATION SPACES. WHEN DEMOLITION IS REQUIRED, THAT WILL BE PERMITTED TO EXPOSE CONDITIONS. THESE VERIFICATIONS SHALL INCLUDE BUT NOT LIMITED TO: DIMENSIONS BOTH HORIZONTALLY AND VERTICAL, ELECTRICAL SERVICE /PANELS LOCATION AND VOLTS/PHASE, LOCATION/QTY OF ROOF MOUNTED HVAC EQUIPMENT, CONFIRM THAT INTERIOR HVAC HUNG UNITS HAVE PROPER SUPPORT CONNECTIONS FOR EXISTING STRUCTURE, FIRE SPRINKLER MAIN RUNS, TOILET ROOM DIMENSION DOOR SWING FOR DOORS TO REMAIN AND ETC. IF NOT VERIFIED AN DISCOVERED AT A LATER TIME, THE CONTRACTOR SHALL REIMBURSE T ARCHITECT FOR THE REDESIGN FEE. THIS DOES NOT INCLUDE HIDDEN WORK I.E PITCH OF SANITARY LINES, ACTUAL CONDITIONS OF EXISTING HVAC EQUIPMEN STRUCTURAL COLUMNS/BEARING WALLS OR CONDITIONS OF GREASE INTERCEPTORS AND ETC.

















-NEW GAS

SERVICE V.I.F

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WATER RISER KEY NOTE

- PROVIDE NEW 2" BFP AND WATER METER IN THE LOCATION OF EXISTING BFP AND WATER METER. CONTRACTOR TO VERIFY THE LOCATION OF BFP AND WATER METER ON SITE. WATER METER SHOULD BE PLACED INSIDE THE PIT.
- 4 PROVIDE A TEMPERATURE ACTUATED MIXING VALVE COMPLYING WITH ASSE 1017.

GAS RISER KEY NOTE

- CONTRACTOR TO FIELD VERIFY CLEARANCES OF GAS WATER HEATER PRIOR TO INSTALLATION. INSTALL PER MANUFACTURERS RECOMMENDATIONS. ROUTE DRAIN TO NEAREST DRAIN.CONTRACTOR SHALL PROVIDE AND INSTALL PRESSURE REGULATOR VALVE AT INCOMING SERVICE AND/OR BEFORE TIE-IN TO EQUIPMENT IF REQUIRED.



FIXTURE FACTOR VA	LUE *
2 WATER CLOSET @ 5 2 LAVATORY @ 2 32 WASHER @ 4 1 DRINKING FOUNTAIN @ 0.25 1 SERVICE SINK @ 3 TOTAL	= 10 = 4 = 128 = 0.25 = 3 = 145.25
*AS PER 2020 FLORIDA PLUMBING TABLE E103.3(2) 2"Ø WATER METER & WATER SERV SIZE REQUIRED.	G CODE



TROUGH AND BULKHEAD DETAILS

N.T.S.