

EQUIPMENT LIST					
ITEM	MANUFACTURER	MODEL	DESCRIPTION	QTY.	FUTURE
1	SPEED QUEEN	SCN060WCF	WASHER-EXTRACTOR	4	
2	SPEED QUEEN	SCN040WCF	WASHER-EXTRACTOR	12	
3	SPEED QUEEN	SCN030WCF	WASHER-EXTRACTOR	4	
4	SPEED QUEEN	SCN020WCF	WASHER-EXTRACTOR	4	
5	SPEED QUEEN	SWTT21	TOPLOAD WASHER	3	
6	SPEED QUEEN	STT45N	STACK TUMBLER	6	
7	SPEED QUEEN	STT30N	STACK TUMBLER	9	
8	SPEED QUEEN	ACBF60X6X1	SC60 SINGLE BASE	4	
9	SPEED QUEEN	ACBF40X6X3	SC40 TRIPLE BASE	4	
10	SPEED QUEEN	ACBF30X6X2	SC30 DOUBLE BASE	2	
11	SPEED QUEEN	ACBF20X6X2	SC20 DOUBLE BASE	2	

ELECTRICAL REQUIREMENTS				
MODEL	VOLTAGE	FULL LOAD AMP DRAW	CIRCUIT BREAKER	WIRE SIZE
SCN060WCF	208-240/60/3 ϕ	6A	15A	AWG14
SCN040WCF	208-240/60/3 ϕ	4A	15A	AWG14
SCN030WCF	208-240/60/3 ϕ	4A	15A	AWG14
SCN020WCF	208-240/60/3 ϕ	3A	15A	AWG14
SWTT21	110-120/60/1 ϕ	9.8A	15A	AWG14
STT45N	208-240/60/1 ϕ	12A	15A	AWG14
STT30N	110-120/60/1 ϕ	16A	20A	AWG12
TOTALS	N/A	343A	675A	N/A

ALL MACHINES MUST BE GROUNDED. PROVIDE GROUND SOURCE IN ACCORDANCE WITH CODES.

CONSULT ELECTRICAL CODE FOR LOCAL REQUIREMENTS. USE ONLY 3 POLE CIRCUIT BREAKERS FOR 3 ϕ SERVICE. MANUFACTURERS RECOMMEND PROVIDING 1 CIRCUIT BREAKER FOR EACH MACHINE.

FOR SAFETY PURPOSES, CLEARLY MARKED & EASILY ACCESSIBLE POWER CUTOFF SWITCHES CAN BE PROVIDED FOR EACH MACHINE.

DRAIN REQUIREMENTS		
MODEL	REQUIRED MIN. DRAIN LINE FROM MACHINE	REQUIRED MIN. DRAIN LINE FOR EACH BULKHEAD.
SCN060WCF	3"	4"
SCN040WCF	3"	
SCN030WCF	2"	
SCN020WCF	2"	
SWTT21	1 1/2"	

DRAIN MUST BE VENTED. CONSULT PLUMBING CODES FOR LOCAL REQUIREMENTS.

DYNAMIC LOAD SPECIFICATIONS				
MODEL	STATIC LOAD, LBS/SF	DYNAMIC LOAD LBS/SF	MAXIMUM DYNAMIC LOAD, LBS/SF	DYNAMIC LOAD FREQUENCY Hz
SCN060WCF	106	143	143	8.1
SCN040WCF	100	119	119	8.6
SCN030WCF	99	109	109	9.0
SCN020WCF	96	96	96	9.7

* DYNAMIC LOAD FREQUENCY AT HIGHEST FACTORY-PRESET EXTRACT SPEED.

GAS REQUIREMENTS					
MODEL	OPERATING PRESSURE (wci)	GAS TYPE	MAX INPUT BTU/HOUR	CONNECTION SIZE	RECOMMENDED SUPPLY LINE
STT45N	6.5"±1.5"	NATURAL	190000	1/2"	3"
STT30N	6.5"±1.5"	NATURAL	146000	1/2"	
TOTAL			2454000		

PROVIDE 1" LOOP TO EQUALIZE GAS PRESSURE. GAS CONNECTION TO BE PERFORMED BY QUALIFIED TECHNICIAN IN ACCORDANCE WITH LOCAL CODES.

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EXHAUST/VENT REQUIREMENTS			
MODEL	SIZE	AIR FLOW	MIN. CROSS SECT. AREA ALL MACHINES
STT45N	10"	1200 cfm	6x98 sq in
STT30N	8"	800 cfm	9x63 sq in

PROVIDE AT LEAST 25.8 SQ FT OPEN AREA FOR ALL DRYER MAKE-UP AIR SUPPLY.

THIS FIGURE DOES NOT INCLUDE MAKE-UP AIR PROVISIONS FOR FINISHERS IF APPLICABLE.

WATER REQUIREMENTS													
MODEL	COLD WATER			HOT WATER			AVERAGE HOT WATER USAGE IN GALLONS/CYCLE	MAXIMUM VALVE FLOW GALLONS/MINUTE		RECOMMENDED LINE SIZE TO SUPPLY MACHINE		RECOMMENDED LINE SIZE TO SUPPLY ALL MACHINES	
	CONNECTION SIZE	PRESSURE MIN. MAX.		CONNECTION SIZE	PRESSURE MIN. MAX.			COLD	HOT	COLD	HOT	COLD	HOT
SCN060WCF	3/4NH	30lbs	85lbs	3/4NH	30lbs	85lbs	14.2	10	10	3/4"	3/4"	2"	2"
SCN040WCF	3/4NH	30lbs	85lbs	3/4NH	30lbs	85lbs	9.7	10	10	3/4"	3/4"		
SCN030WCF	3/4NH	30lbs	85lbs	3/4NH	30lbs	85lbs	6.5	10	10	3/4"	3/4"		
SCN020WCF	3/4NH	30lbs	85lbs	3/4NH	30lbs	85lbs	4.6	10	10	3/4"	3/4"		
SWTT21	3/4NH	20lbs	120lbs	3/4NH	20lbs	120lbs	2.99	7	7	1/2"	1/2"		

HOT WATER USAGE FIGURES ARE ESTIMATES. ACTUAL CONSUMPTION WILL VARY DEPENDING ON LOCAL CONDITIONS, NUMBER OF CYCLES AND CYCLE TIMES SELECTED, LOAD SIZES AND MATERIALS PROCESSED.

Project No.	<h2>2000sf Speed Queen Coin Utility Example</h2>		<p>This drawing is not intended for construction purposes. Equipment specifications are subject to change without notice.</p>	ESZ	Preliminary	11-Mar-13
C13----				DRAWN BY	DESCRIPTION	DATE
Sq. Ft. 2000						