GENERAL LEGEND				
■■■ EBBH	ELECTRIC BASEBOARD HEATER			
[- <b>∿</b> EEH	ELECTRIC ENTRANCE HEATER			
<b>Ū∿</b> → EUH	ELECTRIC UNIT HEATER			
U/C	UNDERCUT DOOR			
—— EX——	EXISTING			
$\times \times EX \times X$	EXISTING TO BE REMOVED			
1@ TYPE SIZE CFM	GRILLE/DIFFUSER LABEL			
RAD-?? LENGTH MBH(KW)	RADIATION LABEL			
EQ-??	EQUIPMENT LABEL			
EQ ??	EQUIPMENT LABEL			
EQ ??	EQUIPMENT LABEL			
MBH SIZE	HEATING LABEL			
##	CALLOUT NOTE			
⟨??⟩	NOTE			

PLUMBING PIPING LEGEND					
	ABOVE GROUND PIPING				
	BELOW GROUND PIPING				
——DCW——	DOMESTIC COLD WATER				
——DHW——	DOMESTIC HOT WATER				
——DHWR——	RECIRCULATED DOMESTIC HOT WATER				
——WWS——	WELL WATER SUPPLY				
——WWR——	WELL WATER RETURN				
——GWS——	GROUND WATER SUPPLY				
——GWR——	GROUND WATER RETURN				
——HCW——	HARD COLD WATER				
——HHW——	HARD HOT WATER				
——HHWR——	RECIRCULATED HARD HOT WATER				
——SCW——	SOFT COLD WATER				
——SHW——	SOFT HOT WATER				
——SHWR——	RECIRCULATED SOFT HOT WATER				
——TWS ——	TEMPERED WATER SUPPLY				
——TWR ——	TEMPERED WATER RETURN				
—— DI ——	DE-IONIZED WATER				
——RO——	REVERSE OSMOSIS WATER				
—— A ——	SHOP COMPRESSED AIR				
——CA——	CONTROLS COMPRESSED AIR				
——LS ——	LIQUID SOAP				
——NG——	NATURAL GAS				
——PG——	PROPANE GAS				
——F0S ——	FUEL OIL SUPPLY				
——FOR ——	FUEL OIL RETURN				
——FOV ——	FUEL OIL VENT				
——SAN ——	SANITARY DRAIN				
——STW ——	STORM WATER DRAIN				
	RAIN WATER LEADER				
——PD——	PUMPED DISCHARGE				
—— ID ——	INDIRECT DRAIN				
PV	PLUMBING VENT				
—— AW ——	ACID WASTE				
——AV ——	ACID VENT				

<ul> <li>VTR</li> <li>VENT THROUGH ROOF</li> <li>PIPE DOWN</li> <li>PIPE UP</li> </ul>	)	
DIRECTION OF FLOW  PIPE BREAK FOR CONTINUATION  VOTR  VENT THROUGH ROOF  PIPE DOWN  PIPE UP		
PIPE BREAK FOR CONTINUATION  VTR VENT THROUGH ROOF  PIPE DOWN  PIPE UP		
<ul> <li>VTR</li> <li>VENT THROUGH ROOF</li> <li>PIPE DOWN</li> <li>PIPE UP</li> </ul>		
PIPE DOWN PIPE UP	PIPE BREAK FOR CONTINUATION	
PIPE UP	VENT THROUGH ROOF	
Ÿ	PIPE DOWN	
	CAP	
·	CLEAN OUT	
	HOSE BIBB	
	WALL HYDRANT	
•	UNION	
VALVE — NORMALLY OPEN	VALVE — NORMALLY OPEN	
VALVE - NORMALLY CLOSED	VALVE - NORMALLY CLOSED	
─────────────────────────────────────	PLUG VALVE	
GLOBE VALVE	GLOBE VALVE	
SUPERVISED VALVE	SUPERVISED VALVE	
MOTORIZED 2-WAY VALVE	MOTORIZED 2-WAY VALVE	
MOTORIZED 3-WAY VALVE	MOTORIZED 3-WAY VALVE	
PRESSURE REGULATING VALVE	PRESSURE REGULATING VALVE	
TEMPERATURE/PRESSURE RELIE	TEMPERATURE/PRESSURE RELIEF VALVE	
CHECK VALVE	CHECK VALVE	
FLEXIBLE CONNECTOR	FLEXIBLE CONNECTOR	

ACCESSORIES LEGEND				
<u> </u>	PLUMBING FIXTURE (TYPE NOTED)			
	SHOWER HEAD (TYPE NOTED)			
0-□ <u>???</u>	SERVICE OUTLET (TYPE NOTED)			
<u> </u>	FLOOR DRAIN (TYPE NOTED)			
<u>₩ RD-?</u>	ROOF DRAIN (TYPE NOTED)			
<b>⊕</b> <u>CB−?</u>	CATCH BASIN			
<b>●</b> MH-?	MANHOLE			
	P-TRAP			
- <del>"</del> -	RUNNING TRAP			
	PUMP			
WHA I	WATER HAMMER ARRESTOR			
PS I	PRESSURE SWITCH			
FS I	FLOW SWITCH			
MAV T	MANUAL AIR VENT			
AAV	AUTOMATIC AIR VENT			
BD	BALL DRIP			
<del></del> FL	FLOW INDICATOR			
FM F/M	FLOW METER			
G/M)	GAS METER			
	WATER METER			
⊗	STEAM TRAP			
EJ—	EXPANSION JOINT			
$\longrightarrow$	ALIGNMENT GUIDE			
$\longrightarrow$	ANCHOR			
<u></u>	PRESSURE GAUGE C/W SNUBBER VALV			
<u> </u>	THERMOMETER			

VEN <sup>-</sup>	TILATION LEGEND			
	SQUARE OR RECTANGULAR DUCT			
	DRAWN DOUBLE LINE			
	ROUND OR OVAL DUCT			
	DRAWN DOUBLE LINE  DUCTWORK DRAWN SINGLE LINE			
	ACOUSTICALLY LINED DUCT			
	THERMALLY INSULATED DUCT			
	SQUARE TO ROUND TRANSITION			
	TRANSITION			
	FLEX CONNECTION			
E <sup>L</sup>	LONG RADIUS ELBOW			
	LONG RADIUS ELBOW C/W TURNING VANES			
	SQUARE ELBOW C/W TURNING VANES			
	SUPPLY DUCT UP			
	SUPPLY DUCT DOWN			
	RETURN OR TRANSFER DUCT UP			
	RETURN OR TRANSFER DUCT DOWN			
	EXHAUST DUCT UP			
	EXHAUST DUCT DOWN			
	OUTSIDE AIR DUCT UP			
$\bigvee$	OUTSIDE AIR DUCT DOWN			
<u></u>	CEILING SUPPLY AIR DIFFUSER (TYPE NOTED) CEILING RETURN OR TRANSFER GRILLE			
<b>─</b> ─ <b></b> <u>R-?</u>	TYPE NOTED)			
	CEILING EXHAUST GRILLE			
—— <b></b> <u>E−?</u>	(TYPE NOTED)			
	SIDEWALL SUPPLY AIR GRILLE			
<u>S-?</u>	(TYPE NOTED)			
<b>──</b>	SIDEWALL EXHAUST, RETURN OR TRANSFER GRILLE (TYPE NOTED)			
<u> </u>	TRANSFER GRILLE (TYPE NOTED)  EXHAUST WALL CAP			
<u>EWC</u>	GRILLE OR DIFFUSER C/W			
<b>─</b> FSF	FIRE STOP FLAP			
T P	FIRE DAMPER			
FS FS	FIRE/SMOKE DAMPER			
	BALANCING DAMPER			
	OPPOSED BLADE DAMPER			
	PARALLEL BLADE DAMPER			
BDD BDD	BACK DRAFT DAMPER			
	FLEXIBLE DUCT CONNECTION			
	END CAP			
AD	ACCESS DOOR			
F-?	FAN-SYMBOL (TYPE NOTED)			
J)	DOWNDRAFT CEILING FAN			

## MECHANICAL DRAWING LIST

M1.0 MECHANICAL LEGEND & DRAWING LIST
M2.0 MECHANICAL PLUMBING & HVAC DEMOLITION PLANS
M3.0 MECHANICAL PLUMBING & HVAC NEW PLANS
M4.0 MECHANICAL SPECIFICATIONS

TOWER PROJECT NUMBER: 12431

TOWER ENGINEERING GROUP

1-1140 WAVERLEY STREET WINNIPEG, MB R3T OP4

TEL: 204-925-1150 FAX:204-925-1155

towereng@towereng.ca www.towereng.ca

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NO.	DATE	DESCRIPTION	BY
1	APRIL 3, 2013	ISSUED FOR REVIEW	LJR
2	APRIL 9, 2013	ISSUED FOR REVIEW	LJR
3	JAN 9, 2015	ISSUED FOR REVIEW	LJR
4	FEB 2, 2015	ISSUED FOR REVIEW	LJR
5	FEB 18, 2015	ISSUED FOR REVIEW	LJR
6	NOV 27, 2015	ISSUED FOR REVIEW	MH

DRAWN BY LJR PRINTING DATE MARCH 2013

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The contractor is to verify dimensions and data noted herein with conditions on the site and is held responsible for reporting any discrepancy to the designer for adjustment.





SYNERGY INTERIOR DESIGN INC

13 Rosewarne. Avenue WINNIPEG, MB Canada R2M 0V8 204 233 9159

malvine@synergyinteriors.com

CHECKED BY LJR

SCALE N.T.S. DATE MARCH 2013

STATION 10, 1354 BORDER ST. WINNIPEG, MB.

CITY OF WINNIPEG

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REVISIONS

AUTOCAD NUMBER