

Copyright Reserved

The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay. The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.

Client

Legend

Notes

Revision

Issued

File Name:	115423001mech_092023	KD	RL	BK	23.07.13
		Dwn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal



Client/Project

WINNIPEG TRANSIT DIRECT CURRENT FAST CHARGING BUS STATIONS BRANDON GARAGE

600 Brandon Ave. Winnipeg, Manitoba

Title

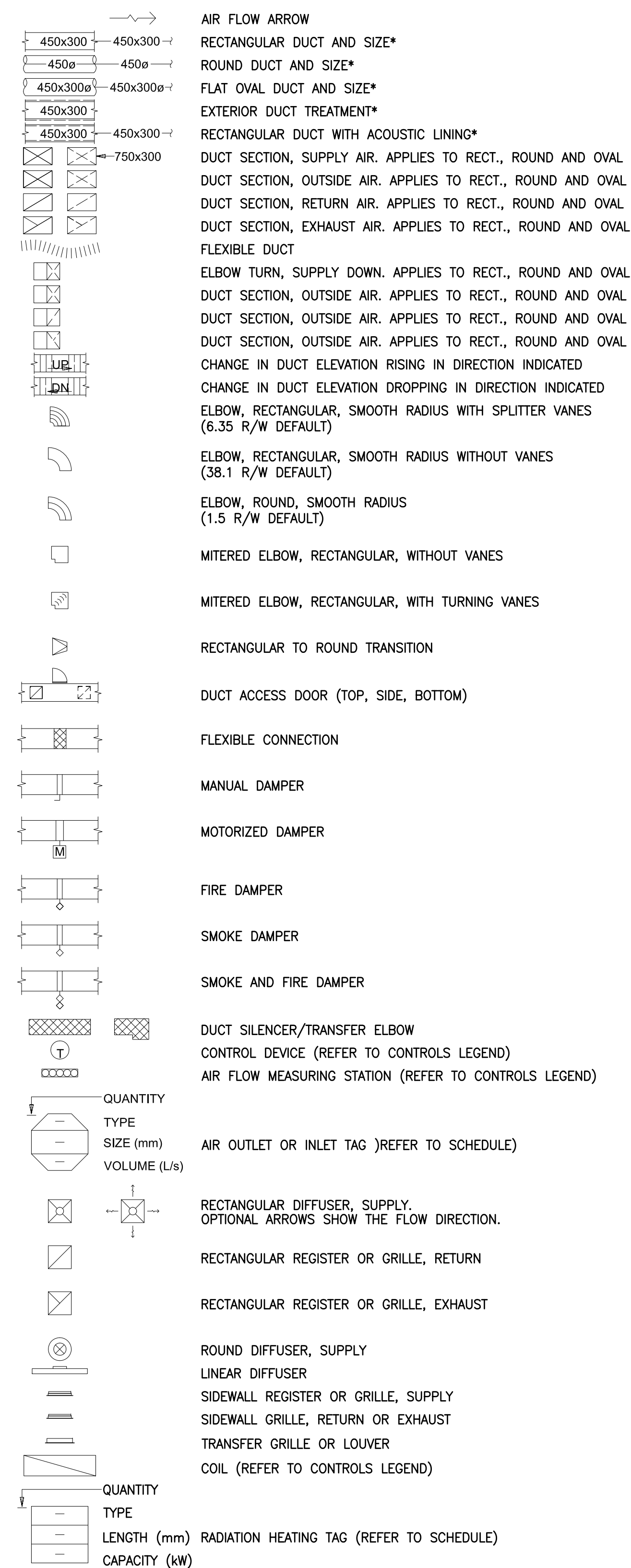
MECHANICAL SYMBOL LEGEND

Project No. 144523001 Scale As Indicated

Drawing No. M-001 Sheet 01 of 02 Revision 1

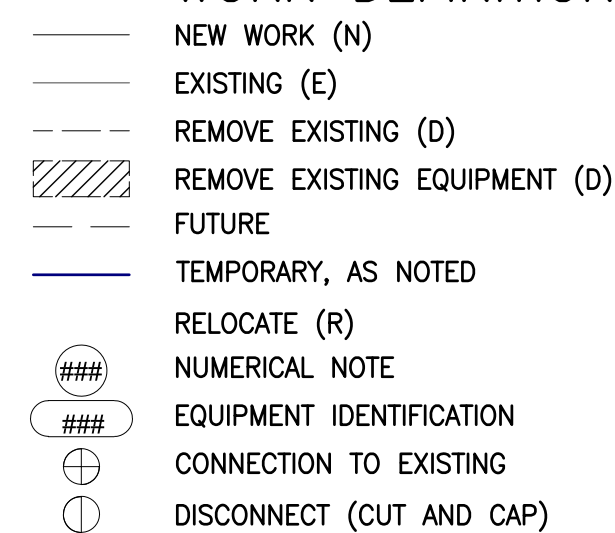
(HVAC)

\*NOTE: ALL DUCT SIZES ARE INTERIOR, FREE DIMENSIONS ALWAYS WIDTH (HORIZONTAL DIM.) x HEIGHT (VERTICAL DIM.)



NOTE: NOT ALL SYMBOLS, SYSTEMS, AND ABBREVIATIONS MAY BE USED ON THIS PROJECT

WORK DEFINITION



DEMO NOTES

- NOT ALL EXISTING CONDITIONS HAVE BEEN SHOWN. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO DEMO.
- CONTRACTOR SHALL PROTECT ALL WORK AND EXISTING CONDITIONS ASSOCIATED WITH THIS CONTRACT FROM DAMAGE, COVER ENDS OF PIPING AND DUCTWORK NOT ACTIVELY BEING WORKED ON. IT IS THE CONTRACTOR RESPONSIBILITY TO REPAIR OR REPLACE ANY DAMAGED ITEMS THAT OCCURS DURING THIS CONSTRUCTION PROJECT AT NO COST TO THE OWNER.
- DEMOLISH ALL REQUIRED EQUIPMENT, DUCTWORK, PIPING, HANGERS, CONTROLS AND ALL ASSOCIATED EXISTING SYSTEMS AS REQUIRED. TO REPLACE EACH SYSTEM, CONTRACTOR SHALL COORDINATE DEMOLITION WITH EXISTING SYSTEMS AND COMPONENTS TO REMAIN PRIOR TO WORK COMMENCING.
- IT IS THE CONTRACTOR RESPONSIBILITY TO CLEAN UP ALL DEBRIS FROM SITE AT THE END OF EACH WORK DAY AND DISPOSE OFF EITHER IN LAY DOWN RECYCLE BINS PROVIDED BY THE CONTRACTOR OR OFFSITE ALL TOGETHER.
- ALL DEMOLISHED EQUIPMENT SHALL BE TURNED OVER TO THE OWNER UNLESS DIRECTED OTHERWISE NOT REQUIRED BY OWNER, DISPOSE AS REQUIRED.

VENTILATION GENERAL NOTES

- DO NOT SCALE DRAWING.
- PROVIDE COMPLETE HVAC SYSTEM TO SERVE ALL SPACES AS NOTED ON THE DRAWING IN ACCORDANCE WITH NATIONAL BUILDING CODE AS WELL AS ANY REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
- LOCATION OF DIFFUSERS AND GRILLES SHOWN ON DRAWING ARE APPROXIMATE ONLY. COORDINATE WITH ELECTRICAL LIGHTING LAYOUT AND ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATIONS.
- CONTRACTOR SHALL CONFIRM AND COORDINATE THE LOCATION AND ROUTE OF ALL EQUIPMENT, PIPING, AND DUCTWORK ON SITE AND WITH OTHER TRADES.
- ALL DIFFUSERS AND GRILLES SHALL HAVE UPSTREAM BALANCING DAMPERS.
- PROVIDE TURNING VANES IN EACH RECTANGULAR ELBOW. ALL DUCT TAKE-OFFS TO HAVE ENLARGED THROATS WITH LEADING EDGES.
- FIRE DAMPERS AND/OR SMOKE DAMPERS SHALL BE INSTALLED ON ALL DUCTWORK PENETRATING FIRE SEPARATION AND/OR SMOKE SEPARATION FLOOR, SLABS AND WALLS. REFER TO ARCHITECTURAL LIFE SAFETY PLAN FOR ALL FIRE/SMOKE SEPARATIONS.
- COORDINATE THERMOSTAT LOCATIONS WITH FURNITURE, ETC.
- VARIATIONS FROM SPECIFIED PRODUCTS AND ASSOCIATED WORK REQUIREMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR. ADDITIONAL COMPENSATION WILL NOT BE CONSIDERED BECAUSE OF DIFFERENCES IN INTERPRETATION OF TECHNICAL PROVISIONS.
- CONTRACTOR WILL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGING NEW EQUIPMENT PIPING AND DUCTWORK OVER THE COURSE OF CONSTRUCTION.
- CONTRACTOR TO PROVIDE DUCTING SUPPORTS.
- COORDINATE WITH GC ALL REQUIRED ACCESS HATCH/PANELS FOR MECHANICAL EQUIPMENT CONCEALED ABOVE INACCESSIBLE CEILINGS AND WITHIN WALLS. MAKE EFFORT TO LOCATE AND COORDINATE DEVICES REQUIRING ACCESS TO BE IN GROUPED AREAS TO REDUCE THE NUMBER OF ACCESS DOORS REQUIRED. ACCESS DOORS TO BE LOCATED WITH CONSIDERATION ON AND IN ALIGNMENT WITH ARCHITECTURAL DETAILS AND OTHER CEILING/WALL MOUNTED DEVICES TO THE SATISFACTION OF THE ARCHITECT.
- ALL WALL MOUNTED THERMOSTATS IN PUBLIC SPACES TO HAVE LOCKABLE AND VENTED PLASTIC COVER.
- TEMPERATURE/HUMIDITY STAT TO CONTROL FANCOIL UNIT, TYPICAL.
- CARBON DIOXIDE SENSOR TO CONTROL SINGLE DUCT TERMINAL UNIT, TYPICAL.
- ALL EXPOSED DUCTWORK IS TO BE PAINTED AND THE COLOUR SELECTION BY ARCHITECTS.
- THE CONTRACTOR IS TO ALLOW 300MM (1'-0") CLEARANCE ABOVE THE ELECTRICAL CABLE TRAY AND TO COORDINATE THE ROUTING OF SYSTEMS WITH THE ELECTRICAL CONTRACTOR.

FIRE PROTECTION GENERAL NOTES

- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.
- ALL MATERIALS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE APPLICABLE NFPA FIRE CODES INCLUDING NFPA 13-2013 AND SHALL CONFORM TO THE APPROPRIATE STANDARDS LISTED IN THE MOST CURRENT PUBLISHED NATIONAL BUILDING CODE OF CANADA (NBC), NATIONAL FIRE CODE OF CANADA (NFC), AND THE REQUIREMENTS AND STANDARDS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
- ONLY EXPERIENCED FIRE PROTECTION CONTRACTORS WILL BE CONSIDERED FOR THIS WORK. THE FIRE PROTECTION CONTRACTOR MUST BE ABLE TO SHOW EVIDENCE OF HAVING PERFORMED WORK OF SIMILAR TYPE AND SIZE.
- THE FIRE PROTECTION CONTRACTOR SHALL PREPARE AND SUBMIT SHOP DRAWINGS OF THE FIRE PROTECTION SYSTEMS INCLUDING EQUIPMENT AND MATERIAL FOR REVIEW BY THE ENGINEER AND INSPECTING AUTHORITIES.
- THE FIRE PROTECTION CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR OBTAINING APPROVALS FROM THE AUTHORITY HAVING JURISDICTION FOR THE COMPLETE FIRE PROTECTION SYSTEM.
- ALL APPLICABLE CODES SHALL BE IN ACCORDANCE WITH THE LATEST EDITION.
- ALL EXPOSED SPRINKLER PIPING IS TO BE PAINTED AND THE COLOUR SELECTION BY ARCHITECTS.