

ALL DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF THE CONSULTANT.
 NO REPRODUCTIONS MAY BE MADE WITHOUT THE CONSENT OF THE CONSULTANT AND
 ALL REPRODUCTIONS MUST BEAR THE NAME OF THE CONSULTANT.
 THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, DATUMS AND LEVELS NOTED ON
 THE DRAWING WITH THE CONDITIONS ON SITE AND SHALL BE RESPONSIBLE FOR
 REPORTING ANY ERRORS OR OMISSIONS TO THE ENGINEER FOR ADJUSTMENTS.
 THIS DRAWING SHALL NOT BE SCALED

- SETS, AIR HANDLERS, ROOF-TOPS UNITS, CONDENSING UNITS, COMPRESSED, ETC. AS APPLICABLE. SUBMIT SHOP DRAWINGS PRIOR TO INSTALLATION.
16. PROVIDE WALL CAPS IN ALL SIDEWALL DISCHARGE APPLICATIONS AS INDICATED ON DRAWINGS. WALL CAPS TO BE OF STEEL CONSTRUCTION AND BE BY ONE MANUFACTURER. STANDARD OF ACCEPTANCE: REVERSOMATIC.
 17. ALL AIR AND WATER SYSTEMS SHALL BE BALANCED AND TESTED BY A CERTIFIED A.A.B.C. INDEPENDENT BALANCING AGENCY TO PROVIDE QUANTITIES AS SHOWN. PROVIDE THREE(3) SETS OF BALANCE REPORTS FOR REVIEW BY THE CONTRACT ADMINISTRATOR. ALL BALANCING REPORTS SHALL INCLUDE FIRE DAMPER TESTING AND CERTIFICATION.
 18. AUTOMATIC SPACE TEMPERATURE CONTROL DEVICES SHALL BE PROVIDED WITH THE FOLLOWING REQUIREMENTS:
 - 18.1. SHALL BE ACCURATE TO WITHIN 2F (1°C).
 - 18.2. SHALL BE INSTALLED BETWEEN 4'-7" (1400MM) AND 4'-11" (1500MM) ABOVE THE FLOOR.
 - 18.3. SHALL BE INSTALLED ON INTERIOR WALLS OR EXTERIOR WALLS WITH R20 (3.5 RS) AND AWAY FROM DIRECT SUNLIGHT AND HEAT SOURCES.
 - 18.4. SHALL DISABLE SIMULTANEOUS HEATING AND COOLING.

CONTROLS

THE POINTS BELOW DESCRIBE THE CONTROL SEQUENCE OF THE H.V.A.C. EQUIPMENT SPECIFIED IN THE SCHEDULES. ALL CONTROLS TO BE SUPPLIED BY MECHANICAL SUB CONTRACTOR AND WIRED BY MECHANICAL SUB CONTRACTOR UNLESS OTHERWISE SPECIFIED. CONTROLS CONTRACTOR SHALL BE A SUBCONTRACTOR OF THE MECHANICAL SUB CONTRACTOR. PROVIDE LOCKABLE COVERS FOR ALL THERMOSTATS, NEW OR EXISTING. ALL CONTROL WIRING SHALL BE PLENUM RATED IN ACCORDANCE WITH THE CANADIAN ELECTRICAL CODE TO MEET THE DEVELOPED SMOKE/FLAME SPREAD RATINGS OF 25/50.

1. HRV CONTROL:
 - 1.1. UNIT SHALL CYCLE BY TIME CLOCK BY UNIT SUPPLIER.
 - 1.2. WIRE CONTROL FOR DEFROST ELECTRIC COIL BY UNIT SUPPLIER. TO ENERGIZE COIL WHEN SUPPLY TEMPERATURE IS BELOW 30F(0C).
2. DOMESTIC WATER PRESSURIZATION PUMP CONTROL:
 - 2.1. PROVIDE TIME CLOCK TO ENERGIZE AND DE-ENERGIZE PUMP AS PER PROGRAMMED SCHEDULE.

MECHANICAL EQUIPMENT SCHEDULES:

EQUIPMENT THAT IS SUPPLIED WITH A FACTORY-INSTALLED DISCONNECTING MEANS FOR THE CONNECTION OF THE SUPPLY SIDE FEEDER CONDUCTORS MUST BE CERTIFIED SO THAT THESE CONDUCTORS CAN BE OF EITHER ALUMINUM OR COPPER.

MECHANICAL AND ELECTRICAL SUB CONTRACTORS ARE RESPONSIBLE FOR THE MUTUAL COORDINATION OF ALL ELECTRICAL REQUIREMENTS OF MECHANICAL EQUIPMENT. COORDINATION IS TO INCLUDE THE COMMUNICATION OF ALL FINAL ELECTRICAL NAMEPLATE INFORMATION FROM THE MECHANICAL SUB CONTRACTOR TO THE ELECTRICAL SUB CONTRACTOR, THE COMMUNICATION OF THE DETAILED CONTROL INFORMATION AS WELL AS ANY ANCLLARY INFORMATION REQUIRED FOR THE FINAL SYSTEMS TO OPERATE AS INTENDED BY THE RESPONSIBLE PROFESSIONAL ENGINEER. THE COORDINATION IS TO OCCUR PRIOR TO THE ORDERING OF EQUIPMENT BY EITHER TRADE. NO EXTRA COMPENSATION WILL BE ALLOWED DUE TO FAILURE TO CARRY OUT THIS COORDINATION. REPORT AT ONCE TO THE CONTRACT ADMINISTRATOR ANY DEFECT, DISCREPANCY, OMISSION OR INTERFERENCE AFFECTING THE SATISFACTORY COMPLETION OF WORK.

NOVA 3 ENGINEERING LTD.
 CONSULTING ENGINEERS
 201-120 FORT STREET TEL: (204) 943-6142
 WINNIPEG, MANITOBA R3C 1C7 FAX: (204) 942-1276
 WWW.NOVA3.CA JN: 36-232
 THIS DRAWING IS THE EXCLUSIVE PROPERTY OF NOVA 3 ENGINEERING LTD.
 AND MAY ONLY BE REPRODUCED WITH THE WRITTEN PERMISSION OF NOVA 3
 ENGINEERING LTD.
 THE CONCEPT AND DESIGN INCORPORATED INTO THIS DRAWING ARE BASED
 ON INFORMATION PROVIDED BY THE CLIENT AND OTHER RELATED SOURCES.
 PROFESSIONAL ENGINEER ACCEPTS NO RESPONSIBILITY FOR DRAWING AND
 DESIGN UNLESS DRAWING IS ACCOMPANIED BY ORIGINAL SEALED LETTER OF
 INTENT OR EQUIVALENT ACCEPTABLE FACSIMILE. PROFESSIONAL ENGINEER
 ACCEPTS NO RESPONSIBILITY FOR FINAL INSTALLATION CONFORMANCE
 WITHOUT ORIGINAL SEALED CERTIFICATE OF INSPECTION OR EQUIVALENT
 ACCEPTABLE FACSIMILE.



Revisions

| Date | Revision |
|--------------|-------------------------|
| May 31, 2017 | Issued for Construction |

Northern Sky Architecture Inc.

100-128 James Avenue
 R3B 1G8
 Winnipeg, Manitoba, Canada
 Phone: 204.958.7979
 Fax: 204.943.6787



| | |
|-----------|-------|
| Stamp | Stamp |
|-----------|-------|

Project
 La Barriere Park
 Washroom Replacement
 La Barriere Park, Manitoba

| | | | |
|---------------|----------------------------|-------------|-----------|
| drawing title | MECHANICAL - SPECIFICATION | | |
| scale | as noted | designed by | kbb |
| date | May, 2017 | drawn by | hc |
| project no. | 337-2017 | reviewed by | hc |
| reference no. | 16.235 | sheet | M3.2 REV. |

ISSUED FOR CONSTRUCTION