

**GENERAL CONDITION:**

GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND SITE CONDITION ON SITE AND REPORT IMMEDIATELY ANY DISCREPANCIES TO TRAN DIEU & ASSOCIATES INC BEFORE PROCEEDING WITH THE WORK. ALL DRAWINGS AND RELATED DOCUMENTS ARE THE PROPERTY OF TRAN DIEU & ASSOCIATES INC. AND MUST BE RETURNED ON REQUEST. REPRODUCTION OF DRAWINGS AND RELATED DOCUMENTS IN PART OR WHOLE IS FORBIDDEN WITHOUT WRITTEN PERMISSION FROM TRAN DIEU & ASSOCIATES INC. ALL WORK SHALL BE PERFORMED IN ACCORDANCE TO O.B.C. AND THE PERMIT DRAWINGS. VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION DO NOT SCALE DRAWINGS



Date: 02/03/20  
**ALL CONSTRUCTION SHALL COMPLY WITH THE ONTARIO BUILDING CODE**

NO PERSON SHALL CONSTRUCT OR DEMOLISH A BUILDING OR CAUSE A BUILDING TO BE CONSTRUCTED EXCEPT IN ACCORDANCE WITH THESE CERTIFIED BUILDING PERMIT DOCUMENTS, THE BUILDING CODE ACT AND THE BUILDING CODE.  
NOTE: THE PROPOSED DEVELOPMENT IS SUBJECT TO COMPLIANCE WITH ALL APPLICABLE PROVISIONS OF THE ZONING BY-LAW AND ALL OTHER APPLICABLE LAWS INCLUDING THE PROVISIONS OF A SITE PLAN AND/OR SUBDIVISION AGREEMENT WHICH MAY OR MAY NOT BE REGISTERED ON TITLE

**LEGEND**

- 2'x2' SUPPLY AIR DIFFUSER
- 4'x10" SUPPLY AIR DIFFUSER
- CEILING RETURN AIR GRILLE
- EXHAUST FAN
- EXISTING DUCTWORK
- NEW DUCT.

- ROOM CONTROLLER
- THERMOSTAT
- HUMIDISTAT
- PRESSURE SENSOR
- AIR FLOW MEASUREMENT STATION TO BE "DWYER" SERIES STRA.
- CLEAN ROOM CONTROLLER  
CONTROLLER TO BE PARAGON CONTROLS MODEL 5FG-4000.
- MOTORIZED DAMPER

**AHU-1 (ABOVE CEILING)**  
AIR HANDLING UNIT DOUBLE WALL WITH 55 DRAIN PAN, FC FAN, 4-ROW CHILLED WATER COIL 500CFM FACE VELOCITY MAX. AND 2-ROW HOT WATER COIL MIN. 100MBH HTG @140 F EWT, 8400 CFM C/W MIXING BOX, FILTER SECTION WITH 2" PRE-FILTER AND 85% RATED RIGID BAG FILTER, FILTER STATUS INDICATOR, VARIABLE FREQUENCY DRIVE AND MOTOR "CARRIER" MODEL 39M120W

**CH-1**  
AIR COOLED CHILLER UNIT MOUNTED ON ROOF C/W SPRING ISOLATORS "CARRIER" MODEL 38R4020 375/25/10/2 WITH LOW AMBIENT OPERATION OPTION C/W DUAL PUMP PACKAGE AND TANK

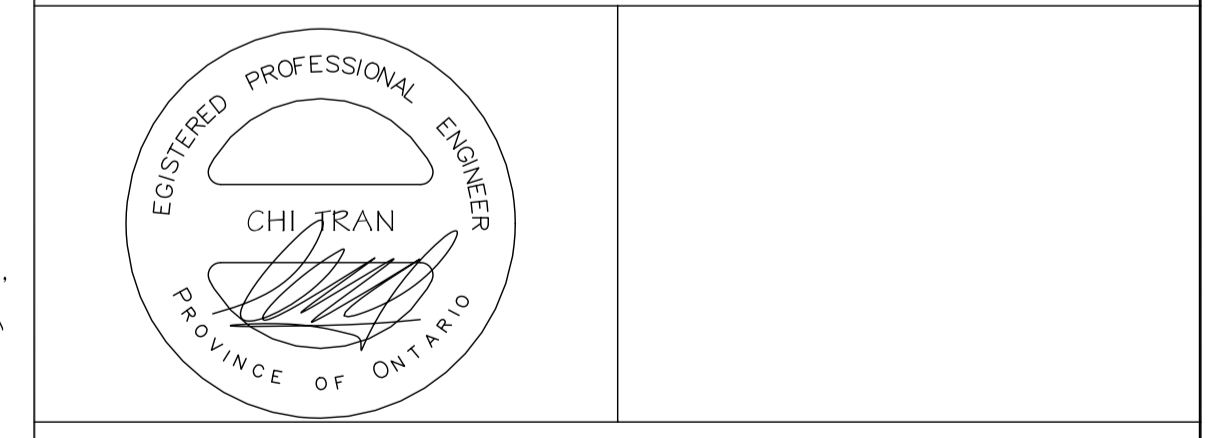
**AHU-2 (ABOVE CEILING)**  
AIR HANDLING UNIT DOUBLE WALL WITH 55 DRAIN PAN, FC FAN, VFD, HOT WATER COIL MIN. 140MBH HTG @140 F EWT, 6,000CFM C/W MIXING BOX, FILTER SECTION WITH 2" PRE-FILTER AND 85% RIGID BAG FILTER "CARRIER" MODEL 39M120W

**HU-1 & 2**  
STEAM HUMIDIFIER 45 LBS/HR CAPACITY "DRISTEM" MODEL XTP-017 C/W STEAM DISPERSION TUBE

**SUPPLY AIR DIFFUSERS**  
CLEAN ROOM SUPPLY AIR DIFFUSERS TO BE LAMINAR FLOW DIFFUSERS WITH 99.99% HEPA FILTER @0.3µM AND LED FILTER STATUS INDICATOR LIGHT "EMERICE" SERIES LFD-C SIZE AS SHOWN ON PLAN

**OAU (ON ROOF)**  
OUTDOOR AIR HANDLING UNIT DOUBLE WALL WITH 55 DRAIN PAN, FC FAN, VFD, HOT WATER COIL MIN. 140MBH HTG @140 F EWT, 6,000CFM C/W MIXING BOX, FILTER SECTION WITH 2" PRE-FILTER, 85% RIGID BAG FILTER, OA INTAKE HOOD AND MOT. DAMPER "CARRIER" MODEL 39M120W

RETURN AIR GRILLES TO BE "EM PRICE" MODEL @30 SIZE 18"x14"



**TRAN DIEU & ASSOCIATES INC.**  
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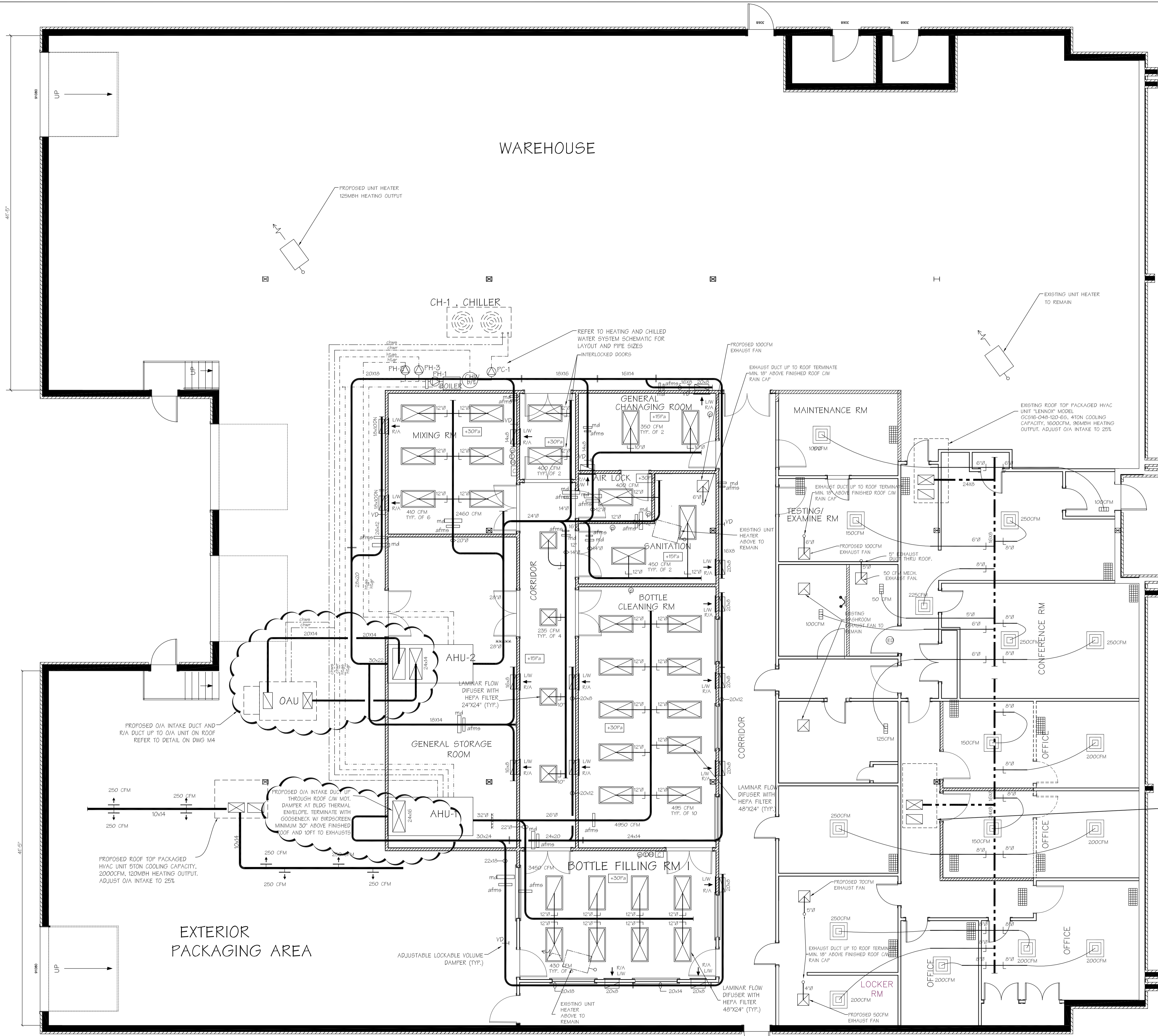
**PROJECT:** 34 RIVIERA DR. MARKHAM  
VITAMIN SUPPLEMENT WAREHOUSE  
PACKAGING FACILITY

**DRAWN BY:** C.T.

**CHECKED BY:** C.T.

**SCALE:** 3/16" = 1'-0" **DATE:**

**PROJECT:** **TITLE:** M3



**PROPOSED HVAC PLAN**