

**CUMMER LODGE**  
**ROOFTOP DUCTWORK INSULATION**  
**REPLACEMENT**  
**23504.M04**



Toronto Long Term Care  
Homes & Services Division

**DRAWING LIST**

|       |   |
|-------|---|
| M-1.0 | MECHANICAL DRAWING LIST, LEGEND AND GENERAL NOTES |
| M-4.1 | ROOF PLAN – WEST–EXISTING DUCTWORK LAYOUT         |
| M-4.2 | ROOF PLAN – EAST–EXISTING DUCTWORK LAYOUT         |
| M-5.0 | MECHANICAL STANDARD DETAILS                       |
| M-6.0 | PHOTOGRAPHS OF EXISTING DUCTWORK ON ROOF          |

**GENERAL NOTES**

ALL LAYOUT DRAWINGS IN THIS PACKAGE HAVE BEEN PREPARED BASED ON ARCHIVE DRAWINGS. ACTUAL LOCATION OF EQUIPMENT, DUCTWORK, PIPING AND OTHERS MAY NOT MATCH THE LAYOUT IN THE DRAWINGS IN THIS PACKAGE. CONTRACTORS SHALL VISIT THE SITE TO REVIEW THE ACTUAL CONDITION BEFORE PRICING THE JOB. NO EXTRA SHALL BE PAID FOR DISCREPANCIES BETWEEN THE DRAWINGS AND ACTUAL SITE CONDITIONS.

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE EXISTING EQUIPMENT, DUCTWORK AND PIPING AND SHALL REPLACE SUCH EQUIPMENT WITH NEW EQUIPMENT AT NO EXTRA COST TO THE OWNER.
- CONTRACTOR SHALL CALL THE CONSULTANT FOR JOINT INSPECTION OF THE DUCTWORK AFTER REMOVING THE EXISTING INSULATION AND BEFORE INSTALLING NEW INSULATION.
- ALL EXISTING DUCT SUPPORTS ARE IN GOOD CONDITION AND NO DAMAGE OR DEFORMATION ARE PRESENT TO SUPPORTS. CONTRACTOR SHALL REUSE THE SUPPORTS AFTER INSULATING THE DUCTWORK. CONTRACTOR SHALL BE CAREFUL DURING DEMOLITION TO ENSURE THAT THE SUPPORTS ARE NOT DAMAGED.
- ALL DUCT WORK SHALL BE PRESSURE TESTED BEFORE PROVIDING NEW INSULATION. REFER TO MECHANICAL SPECIFICATIONS FOR PROCEDURE OF PRESSURE TEST. PRESSURE TEST REPORT FOR EACH PORTION OF DUCTWORK SHALL BE SUBMITTED FOR REVIEW BEFORE PROCEEDING WITH THE INSTALLATION OF NEW INSULATION.
- CONTRACTOR SHALL REPAIR DUCTWORK JOINTS AND ACCESSORIES THAT ARE LEAKING. THE REPAIR SHALL RESTORE THE DUCTWORK TO THE STANDARDS OF A NEW DUCTWORK. REFER TO SPECIFICATIONS FOR NEW DUCTWORK INSTALLATION REQUIREMENTS.
- CONTRACTOR SHALL NOTE DOWN THE DUCTWORK SIZES AND ACTUAL DUCTWORK LOCATION. THIS INFORMATION SHALL BE PROVIDED TO CEL SO THAT THE LAYOUT DRAWINGS CAN BE UPDATED FOR AS BUILT CONDITIONS. CEL WILL UPDATE THE DRAWINGS IN ACAD.
- CONTRACTOR SHALL INDICATE THE LOCATIONS OF ALL DUCT ACCESSORIES SUCH AS BALANCING DAMPERS, AIR FLOW STATIONS, DUCT STATIC PRESSURE SENSORS, TEMPERATURE SENSORS ETC. ALL SUCH ACCESSORIES SHALL BE PROVIDED IN THE MARKUP DRAWINGS.
- CONTRACTOR SHALL PERFORM INSULATION REPLACEMENT IN PHASES AND SHALL PROVIDE FOR PROTECTION OF DUCTWORK FROM WEATHER CONDITIONS. PLEASE NOTE THAT THE INSULATION THAT GETS DAMAGED DUE TO WEATHER WILL NOT BE ACCEPTED EVEN IF THE INSULATION HAS BEEN INSTALLED ON THE DUCTWORK.
- CONTRACTOR SHALL PROVIDE A PHASING SCHEDULE BEFORE START OF THE WORK AND RECEIVE APPROVAL FROM THE CLIENT BEFORE START OF WORK.
- THERE ARE EXISTING PIPING WITH INSULATION LAID OUT ON ROOF ALONG SIDE WITH DUCTWORK. NO MODIFICATION TO THE PIPING IS TO BE DONE IN THIS PROJECT. CONTRACTOR SHALL TAKE MEASURE NOT TO STEP ON OR DAMAGE ANY PORTION OF PIPING INSULATION ON ROOF. ANY DAMAGE TO THE INSULATION OR ANY ACCESSORIES TO THE PIPING SHALL BE REPAID BY THE CONTRACTOR AT NO EXTRA COST TO THIS PROJECT.
- MECHANICAL CONTRACTOR SHALL COORDINATE ALL WORK WITH THE GENERAL CONTRACTOR WHO WILL BE REPLACING THE ROOFING SYSTEM.
- PROTECT ALL RTUs AND ITS COMPONENTS FROM DAMAGE DURING CONSTRUCTION. MAINTAIN RTUs IN OPERATION DURING THE COURSE OF THIS PROJECT.
- ANY ODOROUS MATERIAL TO BE STORED AWAY FROM AIR INTAKES.

**CONSTRUCTION NOTES: (THESE NOTES ARE FOR BOTH M-4.1 & M-4.2)**

- REMOVE THE INSULATION OVER THE DUCTWORK.
- CLEAN THE DUCT SURFACE. SEAL ALL DUCT JOINTS AS PER SMACNA PROCEDURE BEFORE PERFORMING PRESSURE TEST.
- PERFORM PRESSURE TEST TO CONFIRM THAT THERE ARE NO LEAKAGES FROM ANY PART OF THE DUCT. REFER TO SPECIFICATIONS FOR TESTING DETAILS. IF ANY LEAKAGE IS OBSERVED, REPORT TO THE BSM INCLUDING THE PROJECT TEAM. REPAIR DUCTWORK WHERE LEAKS ARE OBSERVED. REPAIR MAY INVOLVE ANY OR A COMBINATION OF THE FOLLOWING CONDITIONS:
  - SEAL ALL JOINTS THAT ARE LEAKING USING TAPE METHOD TO REDUCE DOWNTIME.
  - REMOVE AND REPLACE EXISTING DUCT JOINT WITH NEW JOINT.
  - REPLACE ENTIRE DUCT FITTING OR SECTION OF DUCTWORK DAMAGED DUE TO CORROSION.
- REDO THE PRESSURE TEST AND DEMONSTRATE THAT THERE IS NO LEAKAGE.
- PROVIDE NEW INSULATION OVER THE DUCTWORK. REFER TO SPECIFICATIONS AND STANDARD DETAIL 1/M5.0 FOR INSULATION INSTALLATION DETAILS.
- INSTALL CLADDING OVER THE INSULATION. SEAL THE CLADDING AT THE JOINT TO EXISTING DOGHOUSE/CURB.
- RETAIN EXISTING DUCT/PIPE SUPPORT. CONTRACTOR SHALL REPLACE DUCT SUPPORTS THAT ARE DAMAGED DURING THE WORK. PAINT ALL THE SUPPORTS. REFER TO ARCHITECTURAL SPECIFICATIONS FOR PAINT DETAILS.
- RETAIN ALL PIPING C/W INSULATION WITHOUT ANY DAMAGE TO THOSE. ANY DAMAGE DONE DURING THE WORK OF THIS CONTRACT SHALL BE REPAIRED/REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THIS PROJECT.
- REPAIR ALL DUCTWORK PENETRATIONS THROUGH THE ROOF. PROVIDE NEW ROOF FLASHING AND SEALANT TO PROVIDE WEATHER TIGHT ENCLOSURE.
- PROVIDE CONSTRUCTION AIR FILTERS COMPLETE WITH CARBON FILTRATION FOR ALL ROOFTOP UNITS (RTU1 TO RTU8). THE CARBON FILTERS SHALL BE INSTALLED EITHER IN THE FILTER RACK INSIDE THE RTU OR SECURED TO THE EXTERIOR OF THE RTU ON THE FACE OF THE INTAKE AIR HOOD.

**DUCTWORK QUANTITIES**

CONTRACTOR SHALL PROVIDE PRICING FOR ALL DUCTWORK LISTED IN THIS TABLE TO MEET THE REQUIREMENTS OF CONSTRUCTION NOTES 1 TO 8.

THE QUANTITIES IN THE TABLE BELOW ARE PROVIDED TO ASSIST THE CONTRACTOR WITH PRICING. THE DESIGN TEAM DOES NOT TAKE RESPONSIBILITY FOR THE QUANTITY MENTIONED BELOW. THE CONTRACTORS SHALL MEASURE THE DUCTWORK QUANTITY ON SITE PRIOR TO SUBMITTING BID.

CONTRACTOR SHALL NOT SCALE THE DRAWINGS TO OBTAIN DUCTWORK MEASUREMENTS.

| RTU ID#      | DUCT SIZE    |        |        | LENGTH (M)    | AREA (SM)     |
|--------------|--------------|--------|--------|---------------|---------------|
|              | D Ø (MM)     | W (MM) | H (MM) |               |               |
| RTU 1        | 1            | -      | 940    | 27.5          |               |
|              | 2            | -      | 940    | 38.1          |               |
|              | 3            | -      | 1140   | 90.4          |               |
|              | <b>Total</b> |        |        |               | <b>611.95</b> |
| RTU 2        | 1            | -      | 540    | 12.1          |               |
|              | 2            | 980    | -      | 12.6          |               |
|              | 3            | -      | 540    | 15.0          |               |
|              | 4            | -      | 560    | 3.4           |               |
|              | 5            | 1100   | -      | 7.0           |               |
|              | 6            | 1250   | -      | 12.0          |               |
|              | 7            | -      | 680    | 3.2           |               |
|              | 8            | -      | 680    | 8.5           |               |
|              | 9            | -      | 760    | 9.0           |               |
|              | 10           | -      | 980    | 4.5           |               |
|              | 11           | -      | 540    | 9.5           |               |
|              | 12           | -      | 740    | 35.0          |               |
|              | 13           | -      | 1500   | 9.0           |               |
| <b>Total</b> |              |        |        | <b>409.98</b> |               |
| RTU 3        | 1            | -      | 540    | 6.4           |               |
|              | 2            | 600    | -      | 21.4          |               |
|              | 3            | 1040   | -      | 9.0           |               |
|              | 4            | 860    | -      | 11.1          |               |
|              | 5            | -      | 350    | 2.7           |               |
|              | 6            | -      | 460    | 2.7           |               |
|              | 7            | 750    | -      | 4.4           |               |
|              | 8            | -      | 580    | 8.0           |               |
|              | 9            | -      | 550    | 25.1          |               |
|              | 10           | -      | 600    | 16.0          |               |
|              | 11           | -      | 480    | 9.0           |               |
|              | 12           | 550    | -      | 14.4          |               |
| <b>Total</b> |              |        |        | <b>331.94</b> |               |
| RTU 4        | 1            | -      | 720    | 27.0          |               |
|              | 2            | -      | 720    | 27.0          |               |
|              | 3            | -      | 1200   | 8.0           |               |
|              | 4            | -      | 720    | 3.3           |               |
|              | 5            | -      | 720    | 3.3           |               |
|              | 6            | -      | 1320   | 36.0          |               |
|              | 7            | -      | 980    | 6.2           |               |
|              | 8            | -      | 600    | 7.0           |               |
|              | 9            | -      | 700    | 6.0           |               |
| <b>Total</b> |              |        |        | <b>491.92</b> |               |
| RTU 5        | 1            | -      | 1200   | 42.0          |               |
|              | 2            | -      | 560    | 2.0           |               |
|              | 3            | -      | 600    | 24.5          |               |
|              | 4            | -      | 420    | 5.0           |               |
|              | 5            | -      | 720    | 10.6          |               |
|              | 6            | -      | 600    | 10.6          |               |
|              | 7            | -      | 1000   | 7.2           |               |
|              | 8            | -      | 600    | 12.5          |               |
|              | 9            | -      | 800    | 5.5           |               |
|              | 10           | -      | 600    | 5.5           |               |
|              | 11           | -      | 600    | 3.5           |               |
| <b>Total</b> |              |        |        | <b>463.96</b> |               |
| RTU 6        | 1            | -      | 720    | 33.0          |               |
|              | 2            | -      | 900    | 12.0          |               |
|              | 3            | -      | 450    | 2.5           |               |
|              | 4            | -      | 600    | 2.5           |               |
|              | 5            | -      | 600    | 2.5           |               |
|              | 6            | -      | 600    | 16.0          |               |
|              | 7            | -      | 500    | 8.2           |               |
|              | 8            | -      | 600    | 6.2           |               |
|              | 9            | -      | 720    | 13.7          |               |
|              | 10           | -      | 600    | 1.2           |               |
|              | 11           | -      | 600    | 8.0           |               |
|              | 12           | -      | 800    | 6.5           |               |
|              | 13           | -      | 400    | 14.6          |               |
| <b>Total</b> |              |        |        | <b>389.82</b> |               |
| RTU 7        | 1            | -      | 700    | 8.2           |               |
|              | 2            | -      | 900    | 12.2          |               |
|              | 3            | -      | 900    | 21.0          |               |
| <b>Total</b> |              |        |        | <b>152.92</b> |               |
| RTU 8        | 1            | -      | 840    | 7.0           |               |
|              | 2            | -      | 800    | 6.2           |               |
| <b>Total</b> |              |        |        | <b>53.79</b>  |               |

**TAG LEGEND**

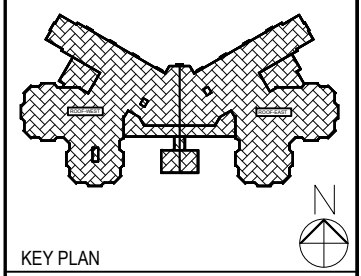
EXISTING SITE PHOTOGRAPH  
 "A" DENOTES PHOTO NUMBER  
 "X" DENOTES SHEET NUMBER

**LINEWORK DESIGNATION**

—GHWS— EXIST. DUCTWORK INSULATION TO BE REPLACED  
 ---GHWR--- GLYCOL HEATING WATER SUPPLY PIPE TO REMAIN  
 ---GHWR--- GLYCOL HEATING WATER RETURN PIPE TO REMAIN  
 ---GCHS--- GLYCOL CHILLED WATER SUPPLY PIPE TO REMAIN  
 ---GCHR--- GLYCOL CHILLED WATER RETURN PIPE TO REMAIN

CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ANY OMISSIONS OR DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.  
 DO NOT SCALE THE DRAWINGS

**CROSSEY ENGINEERING LTD.**  
 2255 Sheppard Avenue. E. Suite E 331 North York, On M2J 4Y1  
 (416)497.3111 fax (416)497.7210



REVISIONS / ISSUES

| NO. | DESCRIPTION                            | DATE       |
|-----|--|------------|
| 2   | ISSUED FOR TENDER                      | 2024-05-30 |
| 1   | ISSUED FOR DESIGN REVIEW AND BUDGETING | 2023-07-07 |



ENGINEER'S STAMP 23504.M04  
**CUMMER LODGE**  
 ROOFTOP DUCTWORK INSULATION REPLACEMENT  
 205 CUMMER AVENUE WILLOWDALE, ON M2M 2E8

**MECHANICAL DRAWING LIST, GENERAL NOTES, LEGEND AND CONSTRUCTION NOTES**

SCALE: NTS  
 DRAWN BY: SF  
 REVIEWED BY: CD/VS  
 JOB NUMBER: 23504.M04  
 DATE: 2023-07-10

DRAWING NUMBER:  
**M-1.0**

THIS DRAWING PROVIDES AN OVERVIEW OF THE DUCTWORK AND PIPING ON THE ROOF SHOWING EXISTING CONDITIONS. THE SIZE AND DIMENSIONS OF DUCTWORK MAY DIFFER FROM SITE CONDITION.

REFER TO CONSTRUCTION NOTES ON DRAWING M-1.0

AUDITORIUM ROOF BELOW

RTU-7 IS NOT IN SCOPE OF WORK. REFER TO DUCTWORK AREA TABLE ON DWG M-1.0. PROVIDE PRICING TO PERFORM ALL WORK AS PER CONSTRUCTION NOTES 1 TO 5. DEPENDING ON THE PRICE, THIS UNIT WILL BE ADDED TO THE SCOPE OF WORK.

RTU-2 IS NOT IN SCOPE OF WORK. REFER TO DUCTWORK AREA TABLE ON DWG M-1.0. PROVIDE PRICING TO PERFORM ALL WORK AS PER CONSTRUCTION NOTES 1 TO 5. DEPENDING ON THE PRICE, THIS UNIT WILL BE ADDED TO THE SCOPE OF WORK.

RTU-3 IS NOT IN SCOPE OF WORK. REFER TO DUCTWORK AREA TABLE ON DWG M-1.0. PROVIDE PRICING TO PERFORM ALL WORK AS PER CONSTRUCTION NOTES 1 TO 5. DEPENDING ON THE PRICE, THIS UNIT WILL BE ADDED TO THE SCOPE OF WORK.

RTU-8 IS NOT IN SCOPE OF WORK. REFER TO DUCTWORK AREA TABLE ON DWG M-1.0. PROVIDE PRICING TO PERFORM ALL WORK AS PER CONSTRUCTION NOTES 1 TO 5. DEPENDING ON THE PRICE, THIS UNIT WILL BE ADDED TO THE SCOPE OF WORK.

RTU-1 IS NOT IN SCOPE OF WORK. REFER TO DUCTWORK AREA TABLE ON DWG M-1.0. PROVIDE PRICING TO PERFORM ALL WORK AS PER CONSTRUCTION NOTES 1 TO 5. DEPENDING ON THE PRICE, THIS UNIT WILL BE ADDED TO THE SCOPE OF WORK.

PROMENADE ROOF BELOW

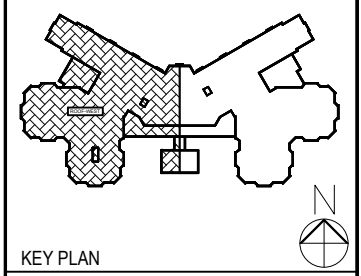
VESTIBULE ROOF BELOW

CANOPY ROOF BELOW

ST. NO.2 ROOF

CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ANY OMISSIONS OR DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.  
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| NO.                | DESCRIPTION                            | DATE       |
| 2                  | ISSUED FOR TENDER                      | 2024-05-30 |
| 1                  | ISSUED FOR DESIGN REVIEW AND BUDGETING | 2023-07-07 |



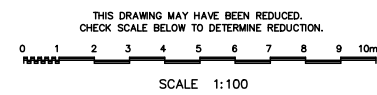
ENGINEER'S STAMP 23504.M04  
**CUMMER LODGE**  
ROOFTOP DUCTWORK INSULATION REPLACEMENT  
205 CUMMER AVENUE WILLOWDALE, ON M2M 2E8

**ROOF PLAN - WEST EXISTING DUCTWORK LAYOUT**

SCALE: 1:100  
DRAWN BY: SF  
REVIEWED BY: CD/VS  
JOB NUMBER: 23504.M04  
DATE: 2023-07-10

DRAWING NUMBER: **M-4.1**

CONTRACTOR SHALL NOT SCALE THIS DRAWING FOR ANY CALCULATION. CONTRACTOR SHALL SITE MEASURE THE DUCTWORK PRIOR TO BIDDING.



REFER TO DWG. M-4.2 FOR CONTINUATION

THIS DRAWING PROVIDES AN OVERVIEW OF THE DUCTWORK AND PIPING ON THE ROOF SHOWING EXISTING CONDITIONS. THE SIZE AND DIMENSIONS OF DUCTWORK MAY DIFFER FROM SITE CONDITION.

REFER TO CONSTRUCTION NOTES ON DRAWING M-1.0

REPLACE THIS SECTION OF THE DUCTWORK IN ITS ENTIRETY. DUCTWORK NEEDS TO BE REPLACED SINCE EXISTING DUCTWORK HAS BEEN DAMAGED. REFER TO SPECIFICATIONS FOR DUCTWORK DETAILS AND DUCTWORK ACCESSORIES.

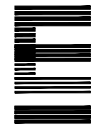
REUSE EXISTING DUCTWORK SUPPORTS. PROVIDE ADDITIONAL DUCT SUPPORTS AS PER STANDARD DETAIL IF THE EXISTING DUCTWORK SPAN EXCEEDS THE ALLOWABLE SPAN AS STATED IN SPECIFICATIONS.

CONTRACTOR SHALL PREPARE A DETAILED CONSTRUCTION SCHEDULE BEFORE PERFORMING THIS WORK. CONTRACTOR SHALL MAKE THE FOLLOWING TEMPORARY PROVISIONS WHILE THIS DUCTWORK IS BEING REPLACED.

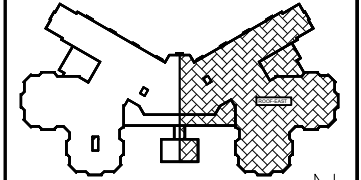
1. PROVIDE TEMPORARY DUCTWORK TO CONTINUE TO PROVIDE VENTILATION TO THE SPACES SERVED BY RTU.
2. TEMPORARY DUCTWORK COULD BE A FABRIC TYPE OF DUCTWORK, LIKE DUCTSOX OR OTHER TYPE OF FLEXIBLE DUCTWORK SYSTEM.
3. CONTRACTOR SHALL PROVIDE SHOP DWGS AND LAYOUT DWGS TO DEMONSTRATE HOW THE TEMPORARY DUCTWORK WILL BE DEPLOYED DURING CONSTRUCTION.
4. THE TEMPORARY DUCTWORK SHALL BE ADEQUATELY SECURED ON THE ROOF WITH DUCT SUPPORTS.
5. ALL FIRE ALARM DEVICES SUCH AS DUCTWORK MOUNTED SMOKE SENSORS, FIRE DETECTORS SHALL BE MAINTAINED IN OPERATION.

CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ANY OMISSIONS OR DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.  
DO NOT SCALE THE DRAWINGS

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KEY PLAN

|     |  |            |
|-----|--|------------|
| 2   | ISSUED FOR TENDER                      | 2024-05-30 |
| 1   | ISSUED FOR DESIGN REVIEW AND BUDGETING | 2023-07-07 |
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REVISIONS / ISSUES



ENGINEER'S STAMP 23504.M04

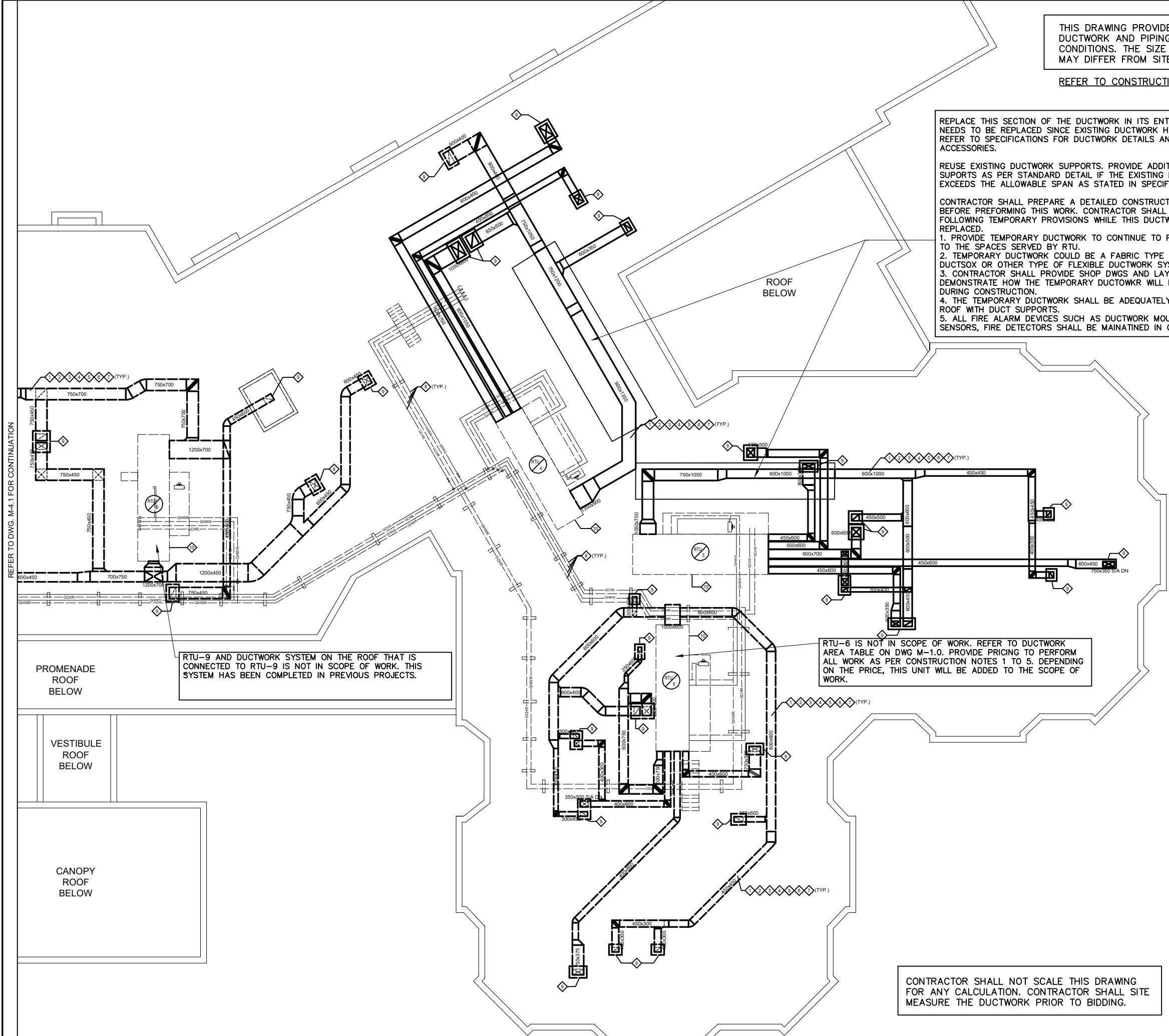
**CUMMER LODGE**  
ROOFTOP DUCTWORK  
INSULATION REPLACEMENT  
205 CUMMER AVENUE  
WILLOWDALE, ON M2M 2E8

**ROOF PLAN - EAST  
EXISTING DUCTWORK LAYOUT**

SCALE: 1:100  
DRAWN BY: SF  
REVIEWED BY: CD/VS  
JOB NUMBER: 23504.M04  
DATE: 2023-07-10

DRAWING NUMBER:

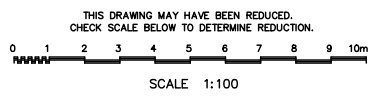
**M-4.2**



RTU-9 AND DUCTWORK SYSTEM ON THE ROOF THAT IS CONNECTED TO RTU-9 IS NOT IN SCOPE OF WORK. THIS SYSTEM HAS BEEN COMPLETED IN PREVIOUS PROJECTS.

RTU-6 IS NOT IN SCOPE OF WORK. REFER TO DUCTWORK AREA TABLE ON DWG M-1.0. PROVIDE PRICING TO PERFORM ALL WORK AS PER CONSTRUCTION NOTES 1 TO 5. DEPENDING ON THE PRICE, THIS UNIT WILL BE ADDED TO THE SCOPE OF WORK.

CONTRACTOR SHALL NOT SCALE THIS DRAWING FOR ANY CALCULATION. CONTRACTOR SHALL SITE MEASURE THE DUCTWORK PRIOR TO BIDDING.



REFER TO DWG. M-4.1 FOR CONTINUATION

PROMENADE  
ROOF  
BELOW

VESTIBULE  
ROOF  
BELOW

CANOPY  
ROOF  
BELOW

ROOF  
BELOW





**1 PHOTOGRAPH OF EXISTING DUCT AND SUPPROTS** PROTECT ALL ROUND DUCT SUPPORTS FROM DAMAGE  
 M-6.0 N.T.S.



**2 PHOTOGRAPH OF EXISTING DUCT OVERPASS AND PIPING** PROTECT ALL OVERPASS AND PIPING INSULATION FROM DAMAGE  
 M-6.0 N.T.S.



**3 PHOTOGRAPH OF EXISTING DUCT SUPPORT** PROTECT ALL RECTANGULAR DUCT SUPPORTS FROM DAMAGE  
 M-6.0 N.T.S.



**4 PHOTOGRAPH OF EXISTING DUCT ACCESSORIES AND PIPING** PROTECT PIPING INSULATION FROM DAMAGE  
 M-6.0 N.T.S.



**5 PHOTOGRAPH OF EXISTING PIPING** PROTECT PIPING INSULATION FROM DAMAGE  
 M-6.0 N.T.S.



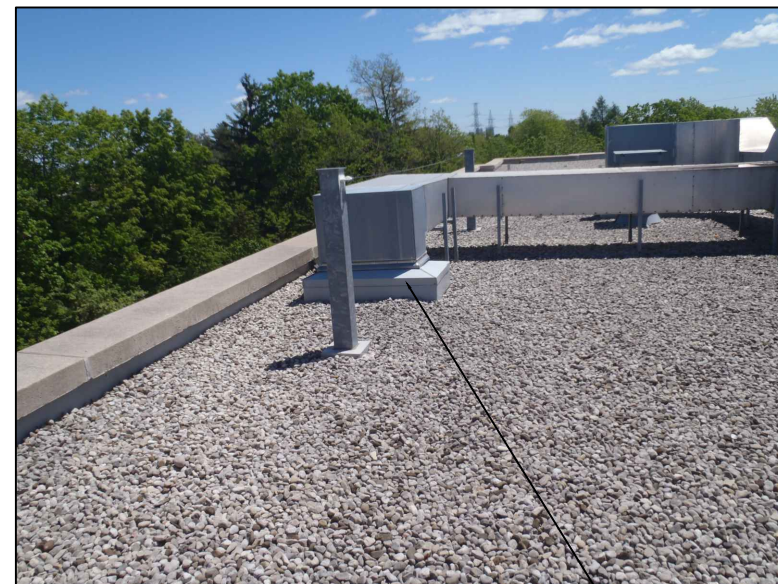
**6 PHOTOGRAPH OF EXISTING OVERPASS AND ROOF CURB** PROTECT OVERPASS AND CONDUITS FROM DAMAGE  
 M-6.0 N.T.S.



**7 PHOTOGRAPH OF EXISTING EXHAUST FAN AND PLUMBING STACK** PROTECT EQUIPMENT AND PLUMBING STACK FROM DAMAGE  
 M-6.0 N.T.S.



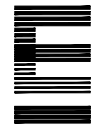
**8 PHOTOGRAPH OF EXISTING CONTROL ACCESSORIES** PROTECT CONTROL ACCESSORIES FROM DAMAGE  
 M-6.0 N.T.S.



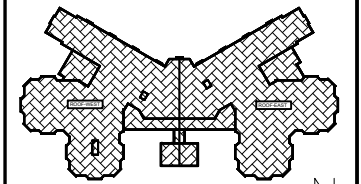
**9 PHOTOGRAPH OF DUCT PENETRATION THROUGH ROOF** PROVIDE NEW INSULATION OVER ROOF CURB AND FLASH NEW INSULATION WITH CURB.  
 M-6.0 N.T.S.

CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ANY OMISSIONS OR DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.  
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KEY PLAN

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| 2   | ISSUED FOR TENDER                      | 2024-05-30 |
| 1   | ISSUED FOR DESIGN REVIEW AND BUDGETING | 2023-07-07 |
| NO. | DESCRIPTION                            | DATE       |

REVISIONS / ISSUES



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 ROOFTOP DUCTWORK  
 INSULATION REPLACEMENT  
 205 CUMMER AVENUE  
 WILLOWDALE, ON M2M 2E8

**PHOTOGRAPHS OF EXISTING DUCTWORK ON ROOF**

SCALE: N.T.S.  
 DRAWN BY: SF  
 REVIEWED BY: CD/VS  
 JOB NUMBER: 23504.M04  
 DATE: 2023-07-10

DRAWING NUMBER:

**M-6.0**

THE PHOTOGRAPHS SHOWN ABOVE DO NOT INDICATE ALL THE RTUs AND DUCTWORK ON THE ROOF, THEY ARE A SAMPLE OF THE EXISTING RTUs AND EX. DUCTWORK ON THE ROOF. CONTRACTORS SHALL FAMILIARIZE THEMSELVES WITH ALL THE EX. ROOF EQUIPMENT AND CONDITIONS DURING TENDER SITE WALK THROUGH AND PRIOR TO STARTING CONSTRUCTION.