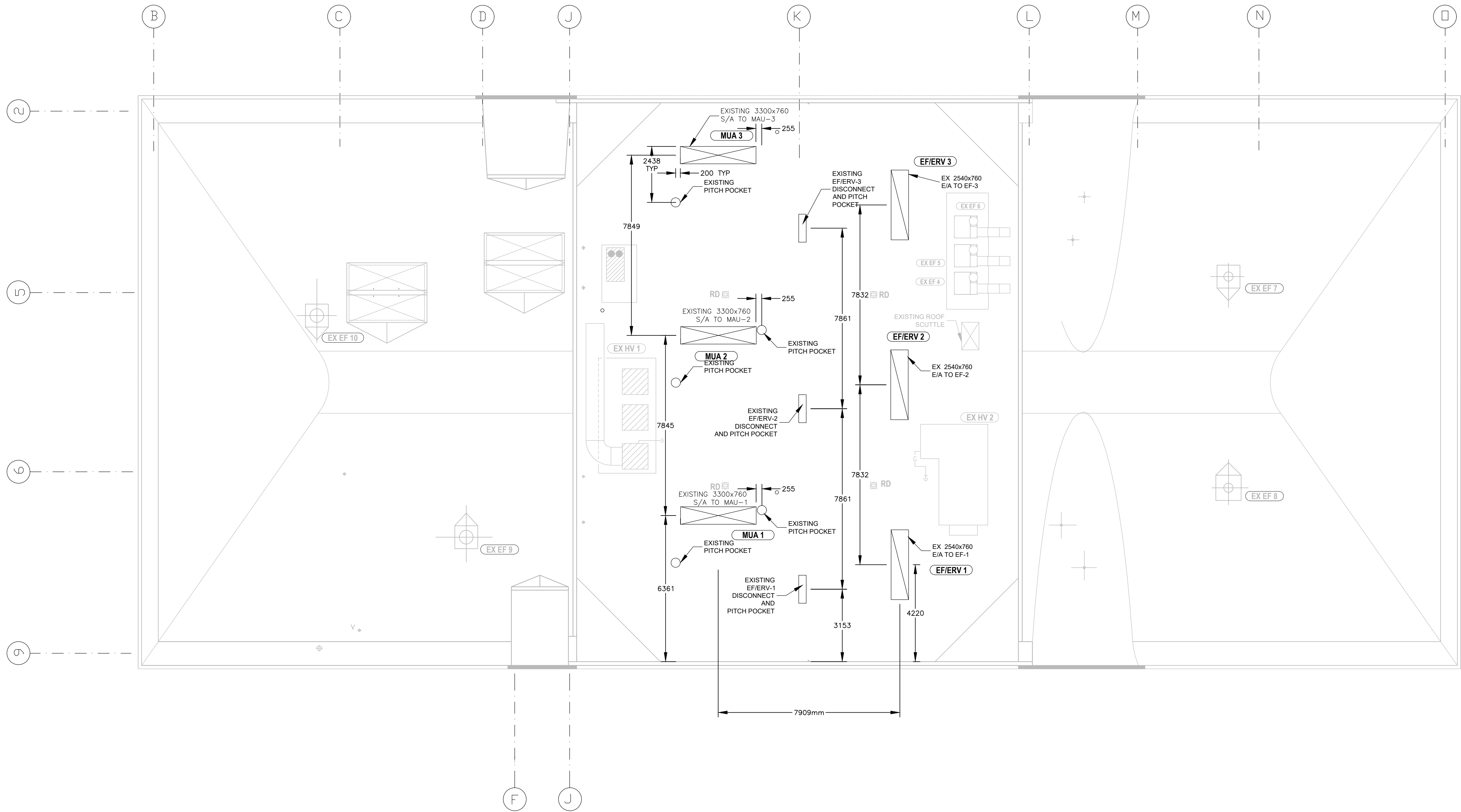
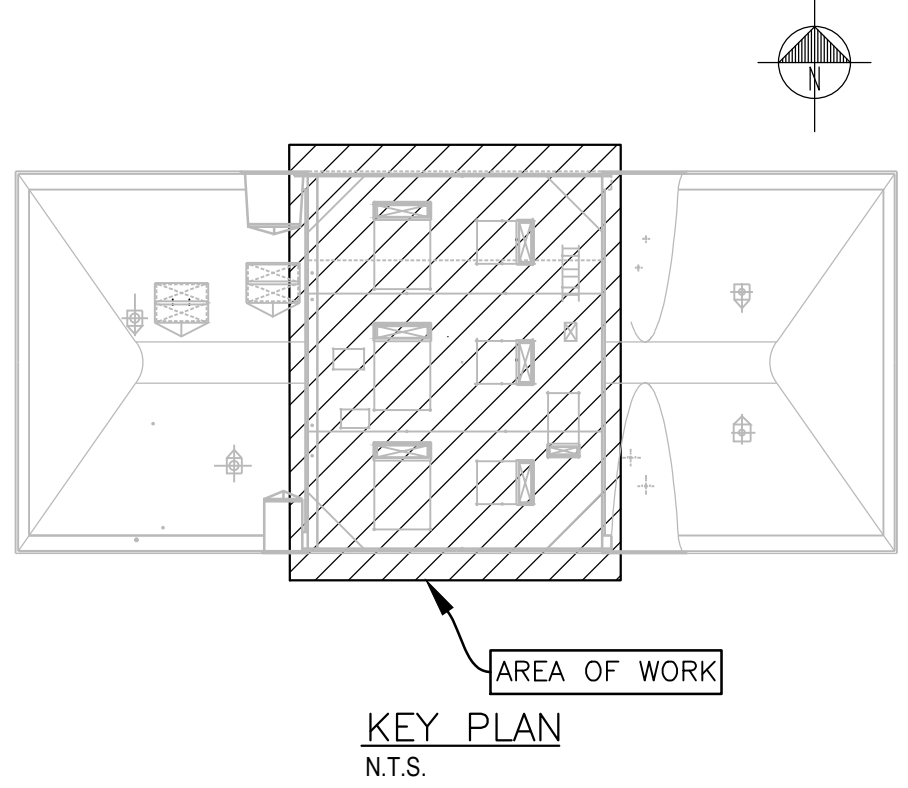




EXISTING ROOF TOP ELECTRICAL AND HVAC ROOF PENETRATIONS
SCALE NTS

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LEGEND

- EXISTING SUPPLY
- EXISTING RETURN
- EXISTING EF/ERV DISCONNECT AND PITCH POCKET
- EXISTING PITCH POCKETS

NOTE:
1. DRAWING IS NOT TO SCALE
2. ALL DIMENSIONS ARE APPROXIMATE

#	YYYYMMDD	REVISION DESCRIPTION	XX
NO.	DATE	REVISION	APPR.

SCALE | ÉCHELLE

LOCATION | EMPLACEMENT
31 HANGAR ROAD
CFB BORDEN
ONTARIO

PROJECT | PROJET
REPLACE ROOF TOP HVAC UNITS
BUILDING A-253

TRADE | MÉTIER
Mechanical/Electrical

DATE
2020/05/06

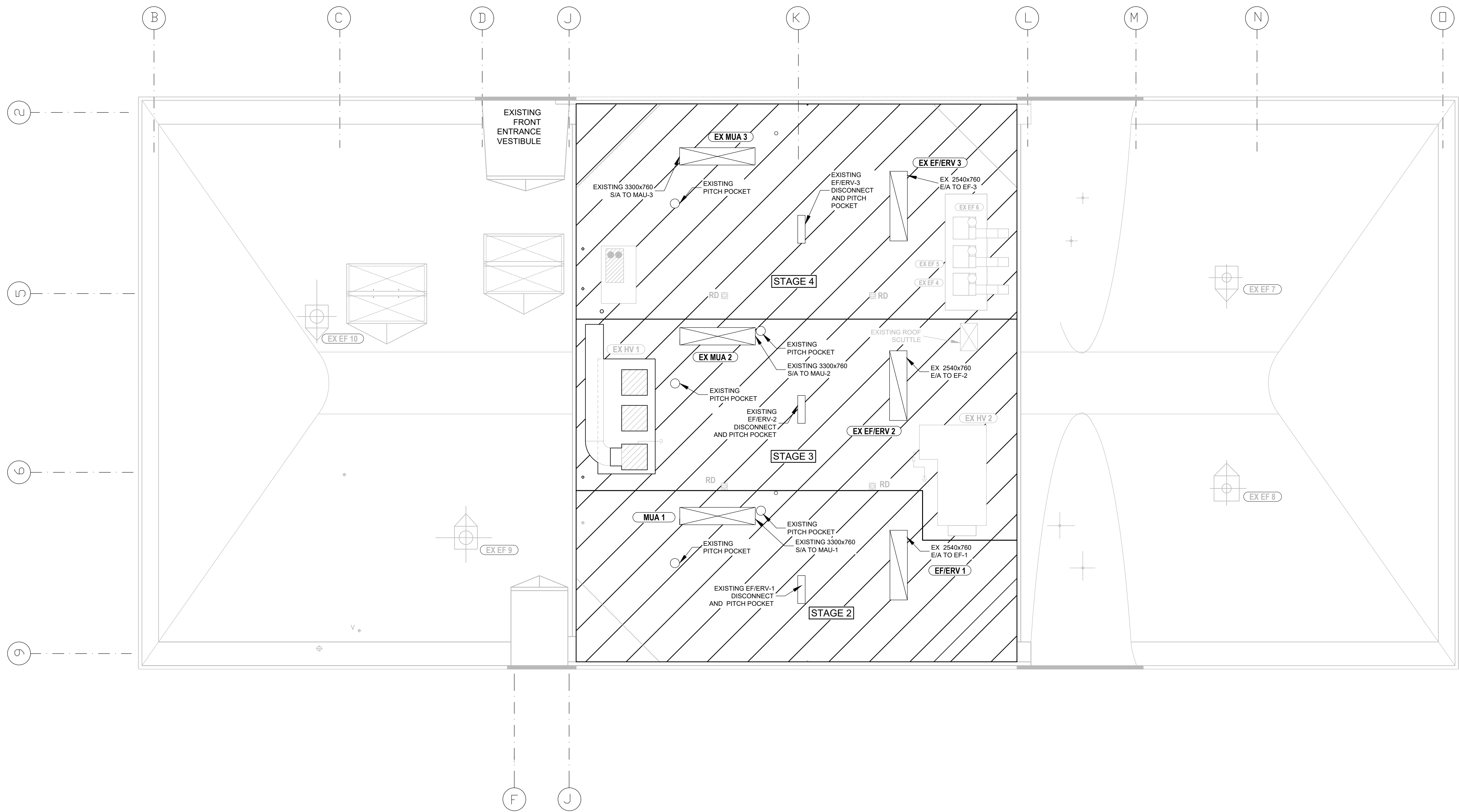
SUBJECT | SUJET
EXISTING ROOF TOP ELECTRICAL
AND HVAC ROOF PENETRATIONS

PRODUCTION	DESIGNED ÉTUDIÉ	DES O AGENT CONC
DGW/MW	XX XX X.X.	
DRAWN DESSINÉ		PROJ MGR GEST PROJ
DGW/MW		
CHECKED VÉRIFIÉ		DES MGR GEST CONC C.C.
COORDINATION		FIRE INCENDIE

WBS NO. | NO. OTP
N.200113.21.14

PF NO. | NO. DP
BN300143

DWG. NO. | NO. DESSIN
L-B147-8883/3-001



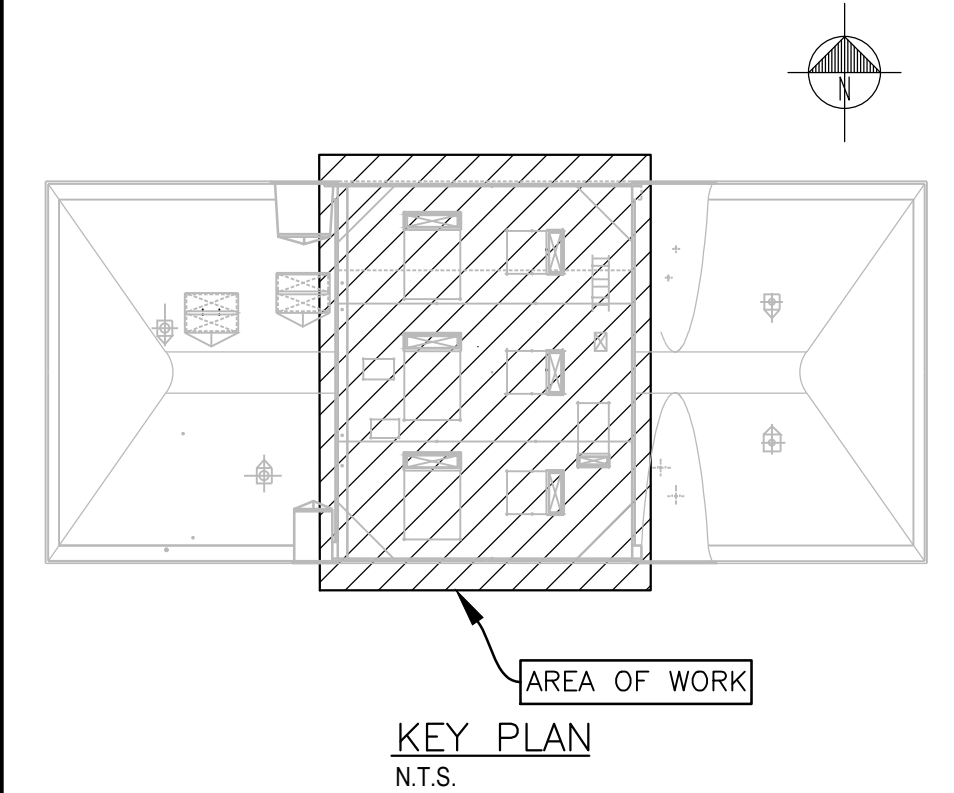
EXISTING ROOF TOP CONSTRUCTION SEQUENCE ORDER
SCALE: N.T.S.

- GENERAL CONTRACTOR NOTES:
- GENERAL CONTRACTOR SHALL CONDUCT VERIFICATION OF EXISTING EXHAUST FANS ARE REPLACED ONCE ROOF AND CURB WORK IS DONE.
 - GENERAL CONTRACTOR SHALL PERFORM IMMEDIATE COMMISSIONING AND VERIFICATION OF PROPOSED MUA AND ERV UPON INSTALLATION TO ALLOW FOR USERS CONTINUAL USAGE OF THE BUILDING.
 - GENERAL CONTRACTOR SHALL ERECT LOCKABLE TOWER STAIRS SYSTEM FOR ROOF ACCESS - BUILDING ACCESS TO ROOF IS NOT PERMITTED.
 - ALL WORK INSIDE A-253 REQUIRES COMMISSIONAIRE:
 - SCHEDULE WILL BE PROVIDED TO RP Ops - WITHOUT A CLEAR SCHEDULE OF START AND FINISH TO EACH TASK COMMISSIONAIRE WILL NOT BE REQUESTED.
 - TWO WEEKS (10 WORKING DAYS) MINIMUM REQUIRED FOR REQUESTING COMMISSIONAIRE.
 - 3 DAYS (24 HOURS) REQUIRED TO CANCEL COMMISSIONAIRE.
 - COMMISSIONAIRE EXPENSES ARE TO BE PAID BY CONTRACTOR.

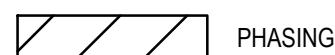
LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
TO BE REVIEWED | À ÊTRE RÉVISÉ

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LEGEND



#	YYYYMMDD	REVISION DESCRIPTION	X.X
NO.	DATE	REVISION	APPR.
SCALE ÉCHELLE			

LOCATION | EMPLACEMENT
31 HANGAR ROAD
CFB BORDEN
ONTARIO

PROJECT | PROJET
REPLACE ROOF TOP HVAC UNITS
BUILDING A-253

TRADE | MÉTIER
Mechanical/Electrical/Architectural

DATE
2020/05/06

SUBJECT | SUJET
EXISTING ROOF TOP
CONSTRUCTION SEQUENCE ORDER

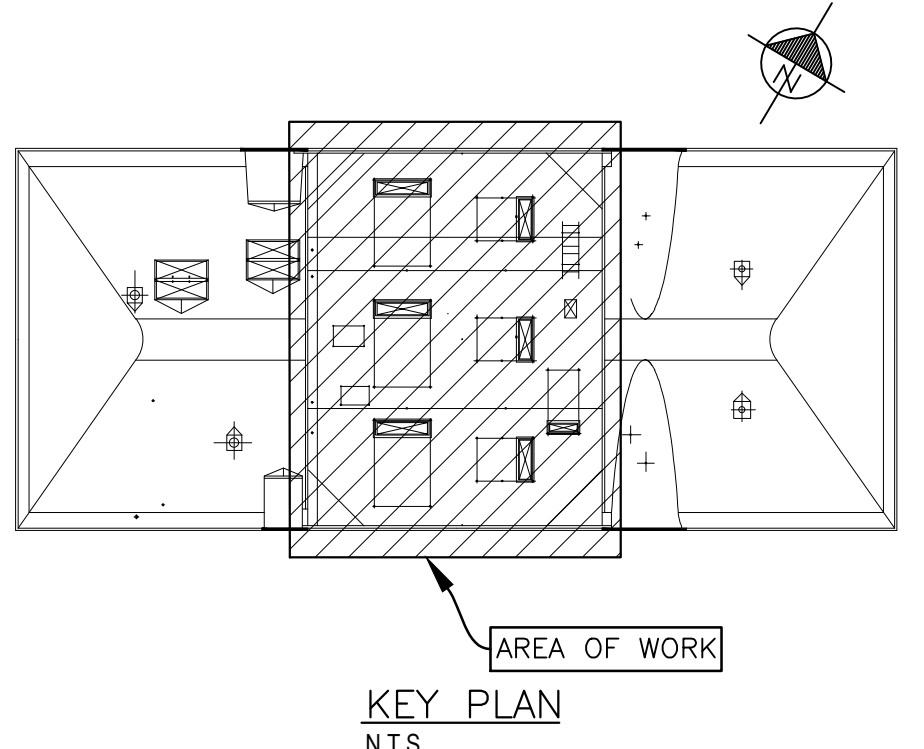
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COORDINATION		C.C.
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PF NO. | NO. DP
BN300143

DWG. NO. | NO. DESSIN
L-B147-8883/3-002

Canada



LEGEND

- EQUIPMENT DEMOLITION
- EXISTING SUPPLY DUCT
- EXISTING RETURN DUCT
- EXISTING GLYCOL PIPE

NOTES

- REMOVE AND DISPOSE OF EXISTING BUILT UP ROOF COMPLIED OF:
 - 2 PLY MOD. BIT. ROOFING.
 - 75mm RIGID INSULATION
 - VAPOR BARRIER
- EXISTING CONCRETE DECK TO REMAIN.
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHER WISE INDICATED.
- CONTRACTOR TO CONFIRM ALL DIMENSIONS ON SITE PRIOR TO COMMENCING CONSTRUCTION.
- DO NOT SCALE DRAWINGS.

NO.	DATE	REVISION	APPR.

SCALE | ÉCHELLE

LOCATION | EMPLACEMENT

31 HANGAR ROAD
CFB BORDEN
ONTARIO

PROJECT | PROJET

REPLACE ROOF AND HVAC UNITS
BUILDING A-253

TRADE MÉTIER	DATE
ARCHITECTURAL	2020/05/06

SUBJECT | SUJET

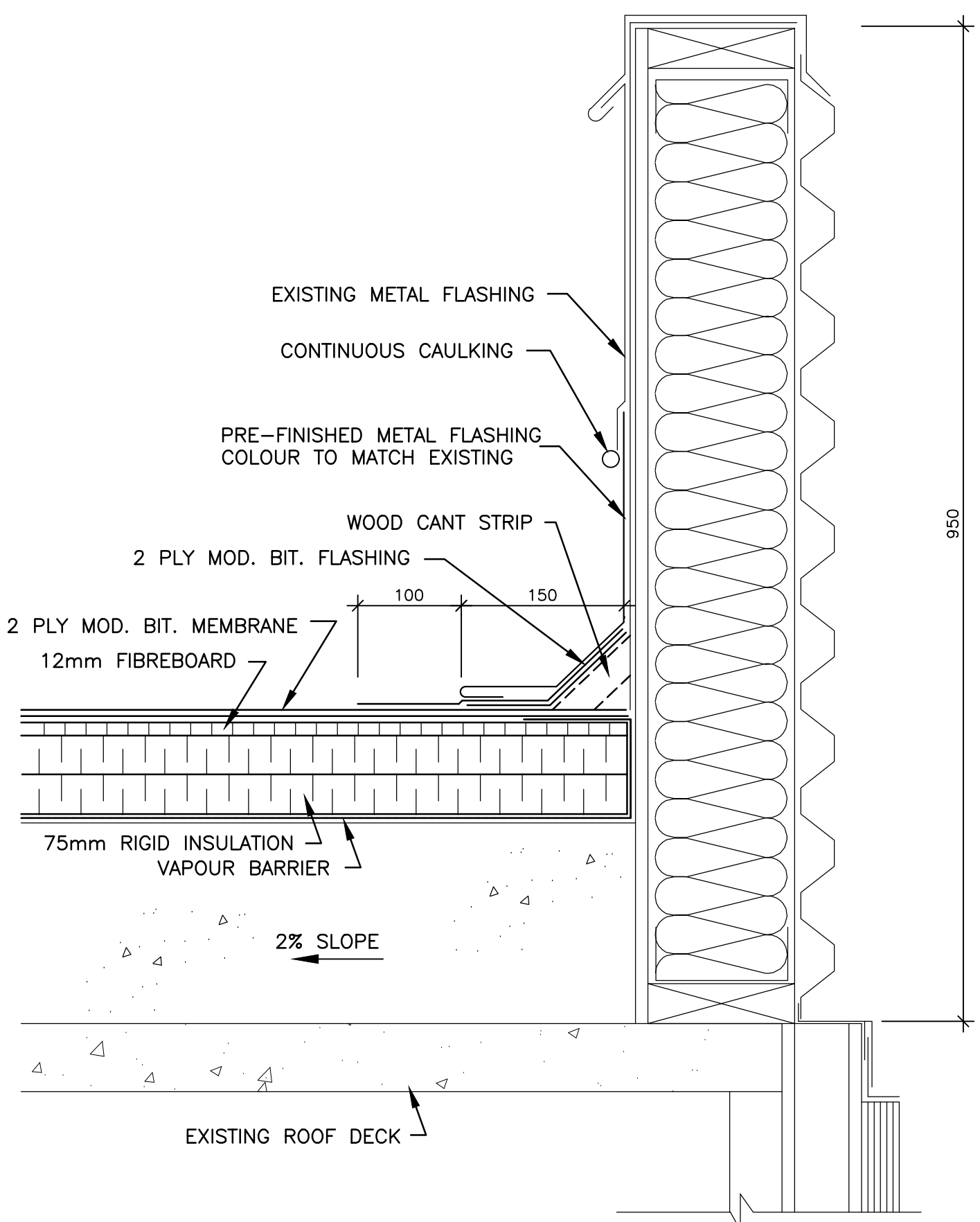
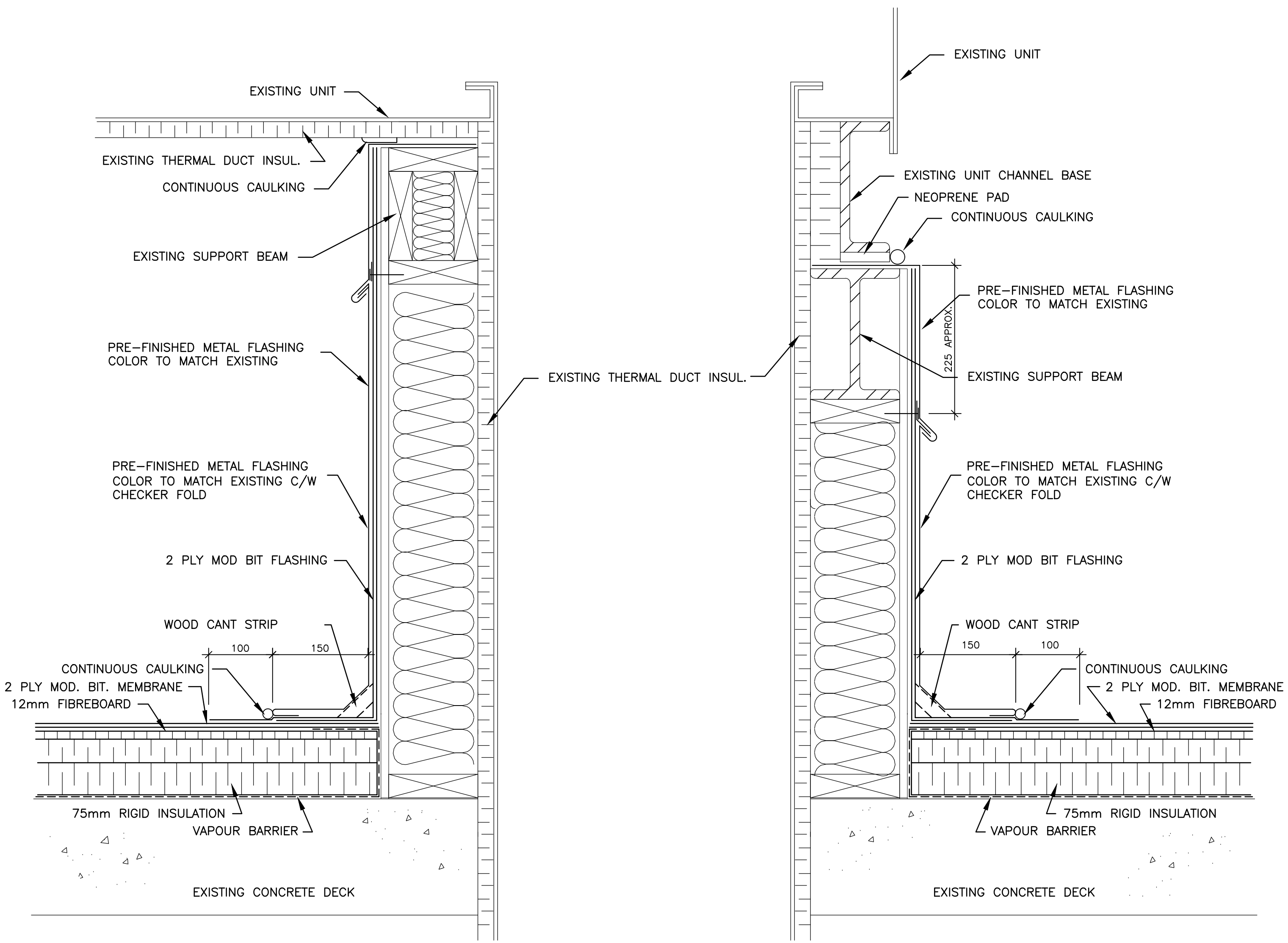
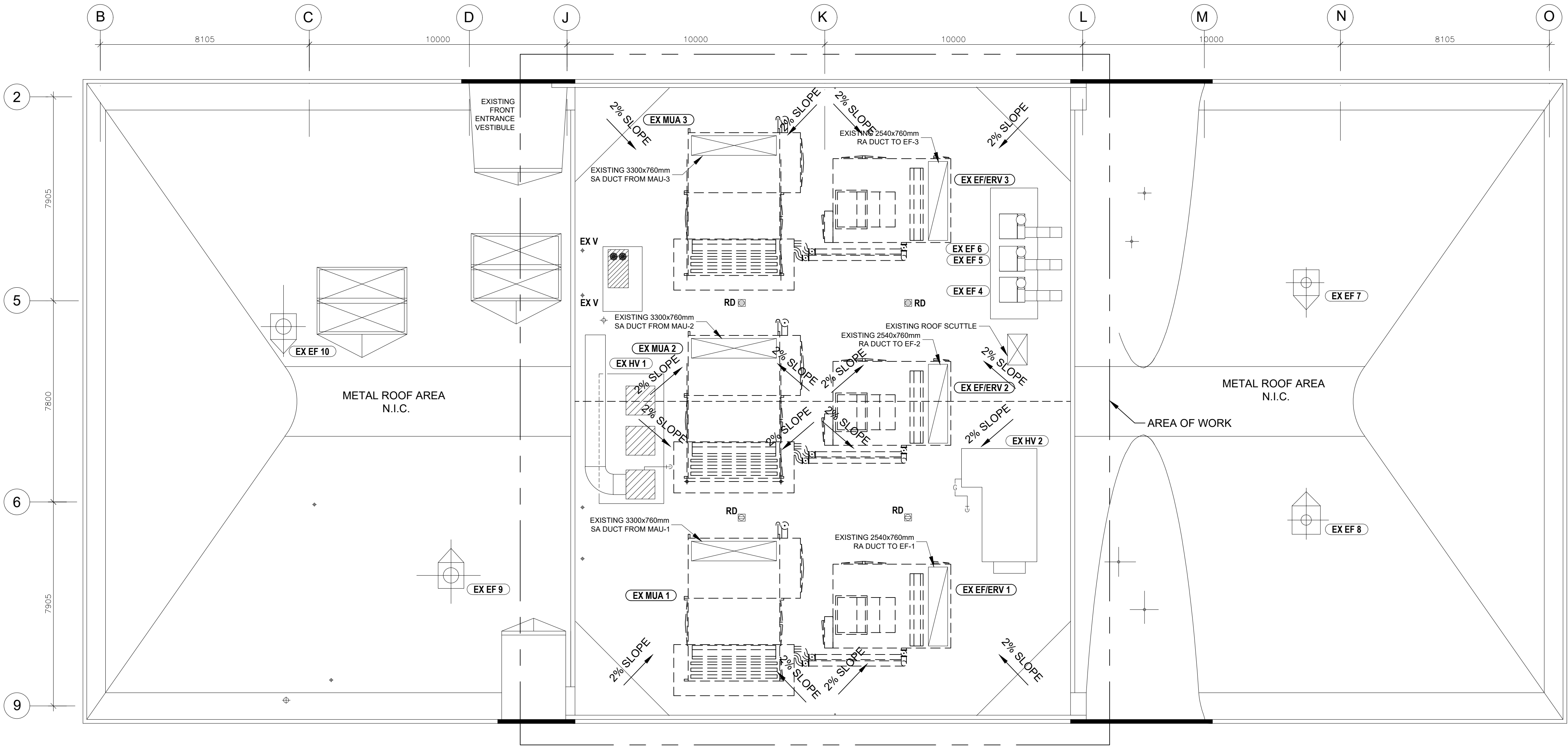
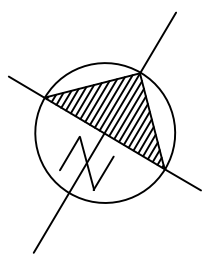
ROOF PLAN & DETAILS
EXISTING MUA/ERV

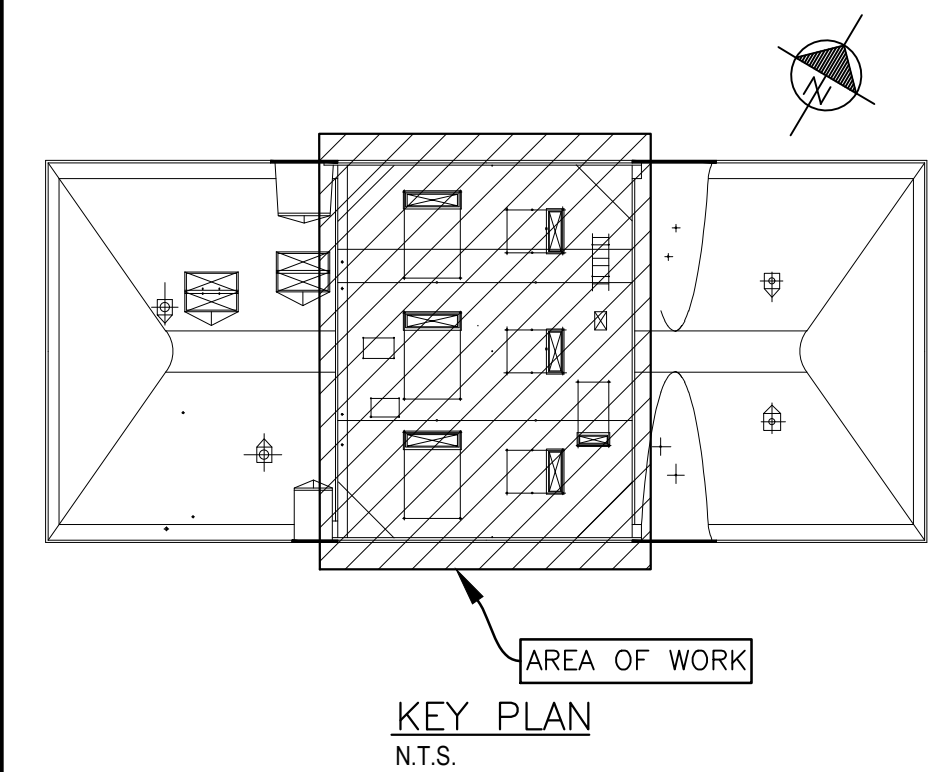
PRODUCTION	REVIEWED REVU
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COORDINATION	FIRE INCENDIE

WBS NO. NO. OTP	PF NO. NO. DP
N.200113.21.14	BN300143

DWG. NO. NO. DESSIN	L-B147-8883/3-301
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Canada





NO.	DATE	REVISION	APPR.
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SCALE | ÉCHELLE

LOCATION | EMPLACEMENT

31 HANGAR ROAD
CFB BORDEN
ONTARIO

PROJECT | PROJET

REPLACE ROOF AND HVAC UNITS
BUILDING A-253

TRADE | MÉTIER
ARCHITECTURAL

DATE
2020/05/06

SUBJECT | SUJET

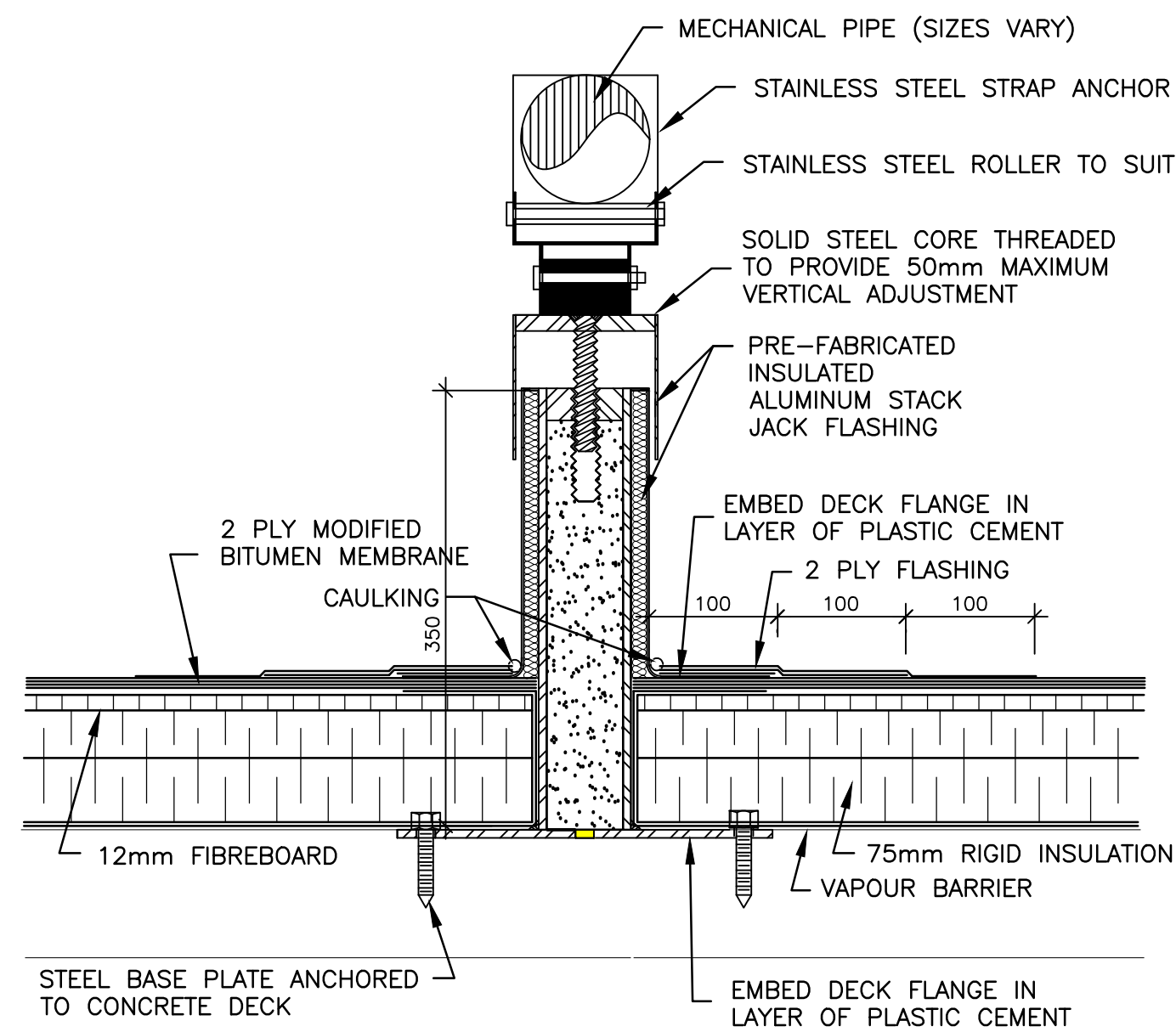
DETAILS

PRODUCTION	REVIEWED REVU	
DESIGNED ÉTUDIÉ		DES O AGENT CONC
DWG		PROJ MGR GEST PROJ
DRAWN DESSINÉ		DES MGR GEST CONC
TT		
CHECKED VÉRIFIÉ		
COORDINATION		FIRE INCENDIE

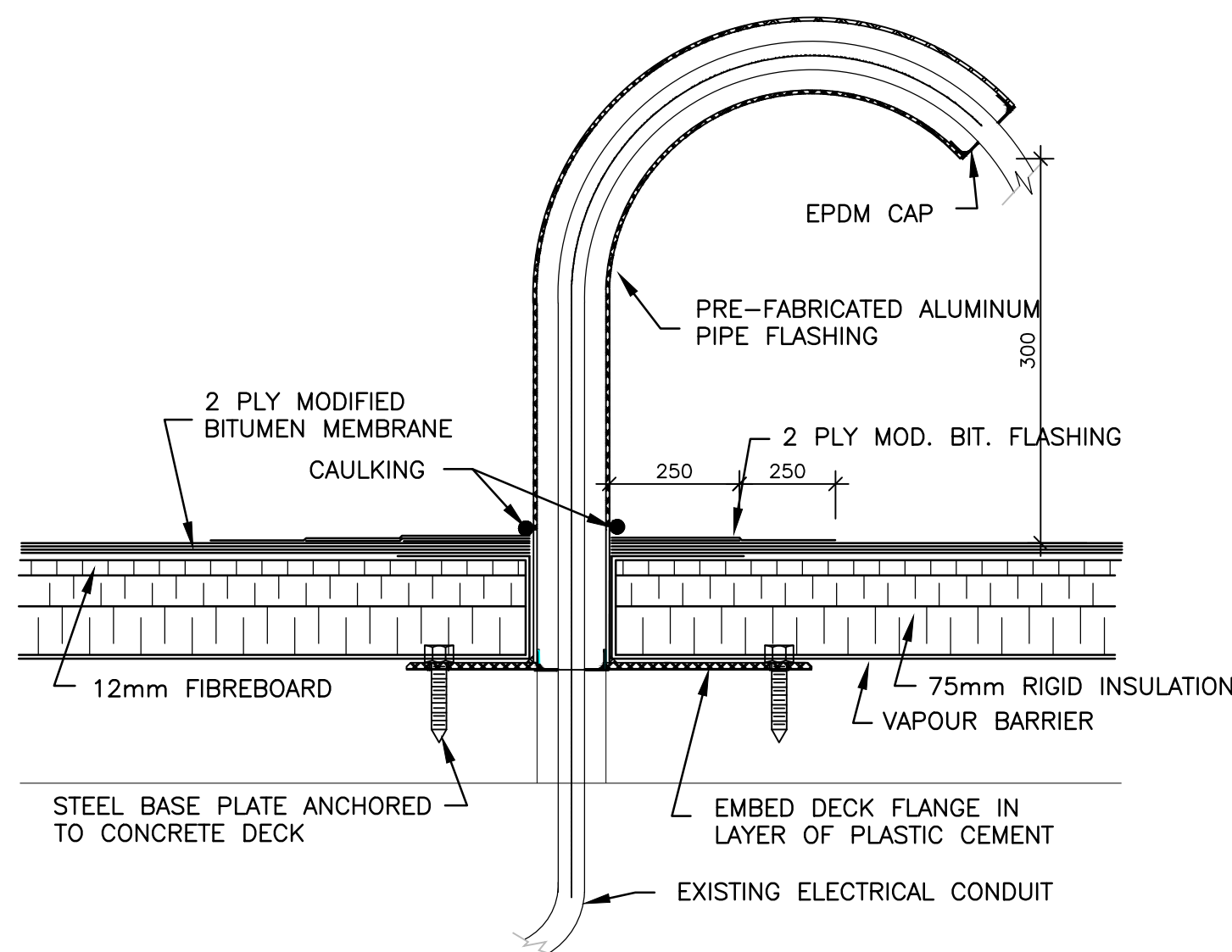
WBS NO. | NO. OTP
N.200113.21.14

PF NO. | NO. DP
BN300143

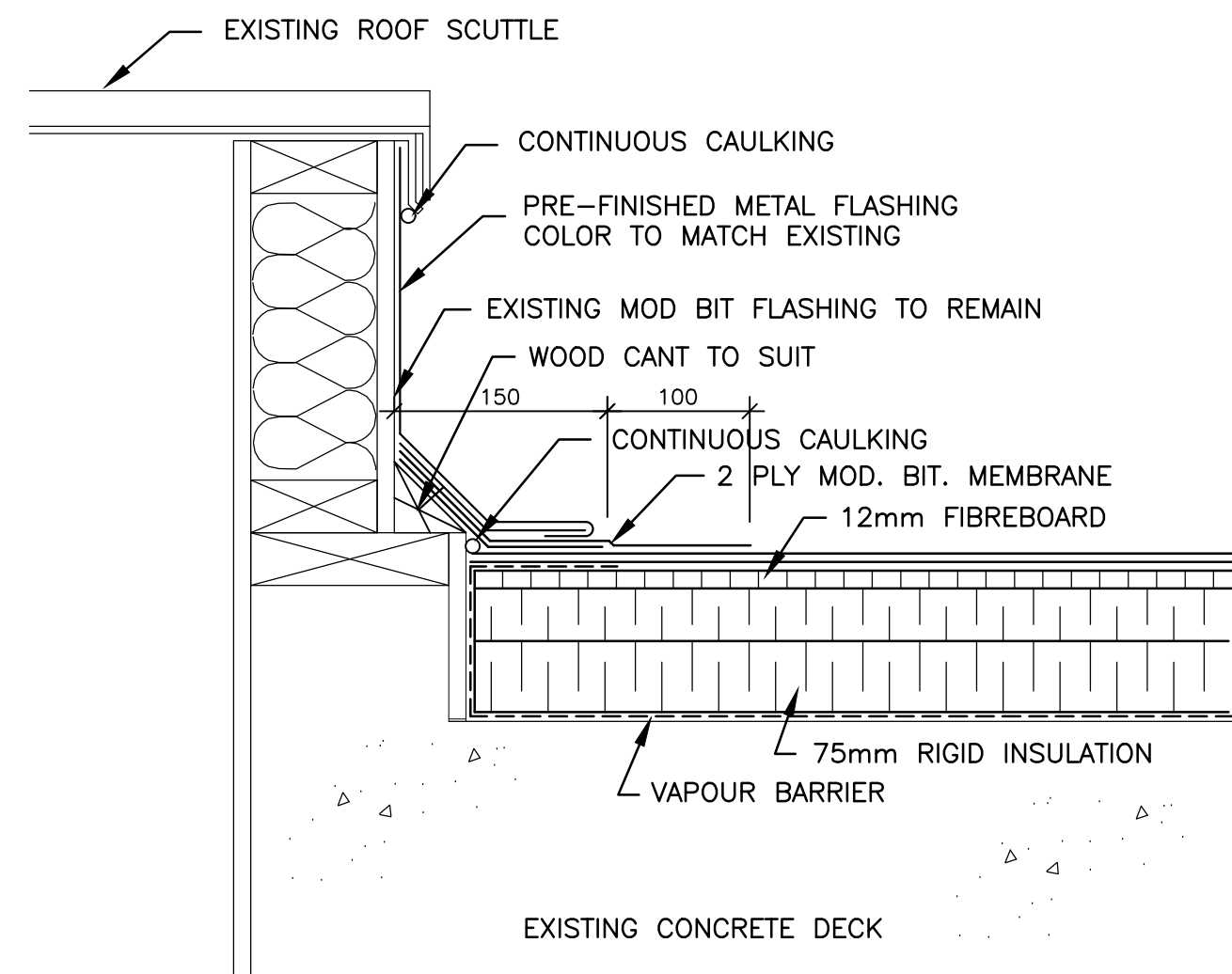
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L-B147-8883/3-302



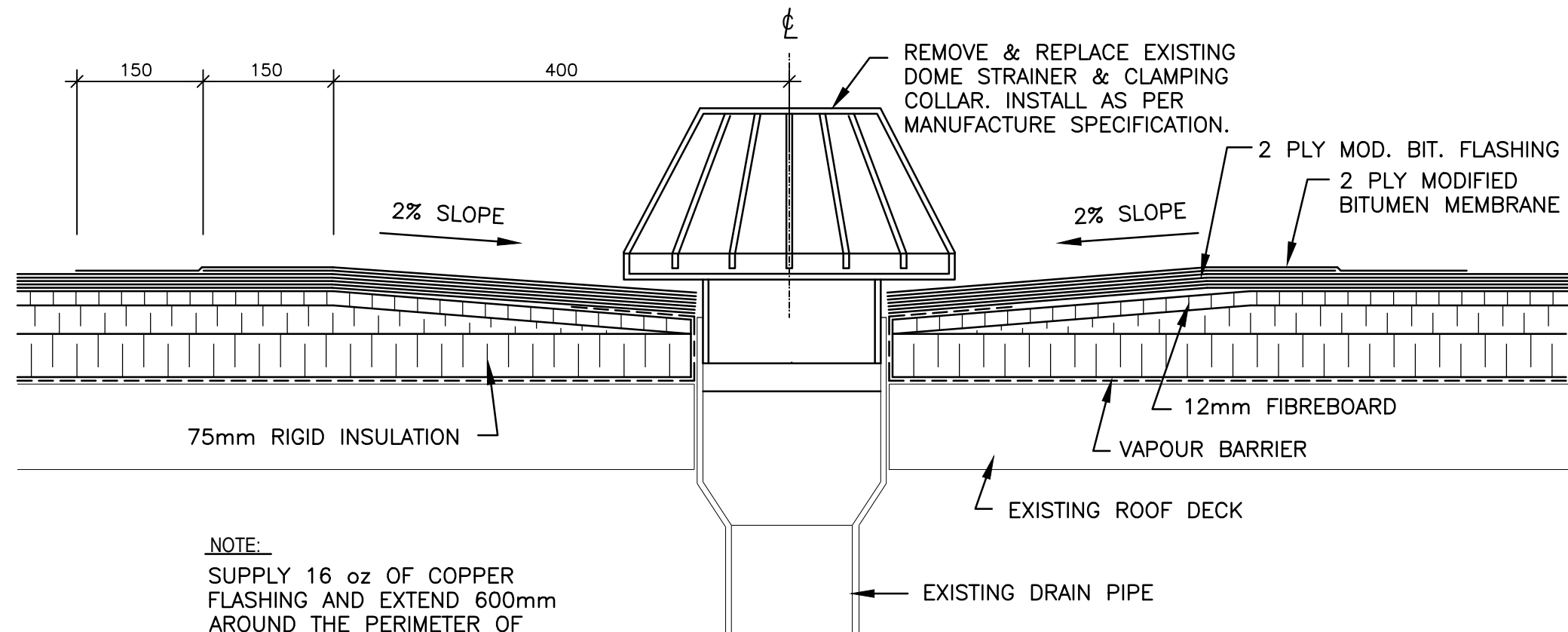
TYPICAL MECHANICAL PIPING SUPPORTS
SCALE 1:5



TYPICAL FLASHING AT CONDUITS
SCALE 1:5

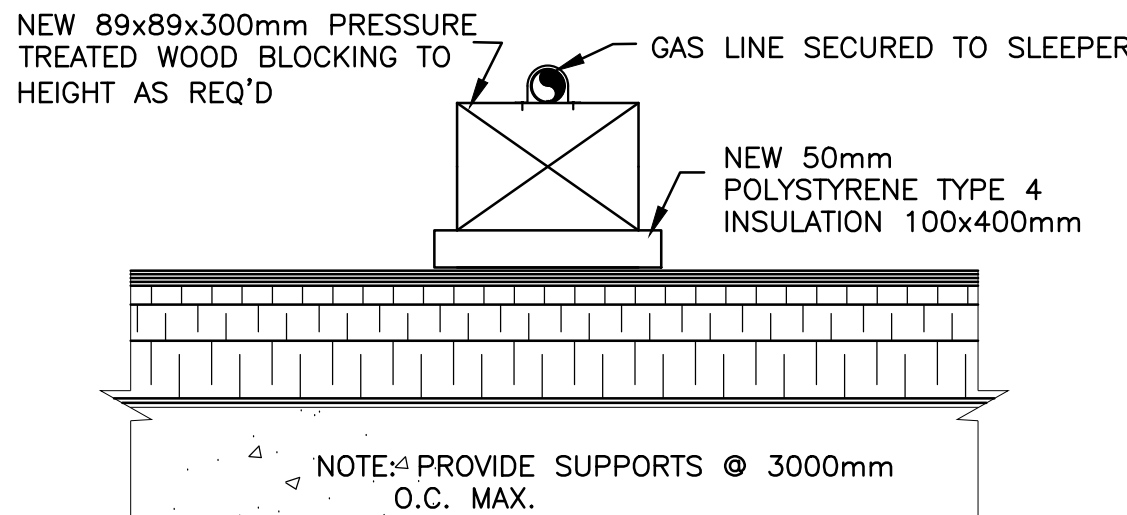


TYPICAL FLASHING AT ROOF SCUTTLE
SCALE 1:5

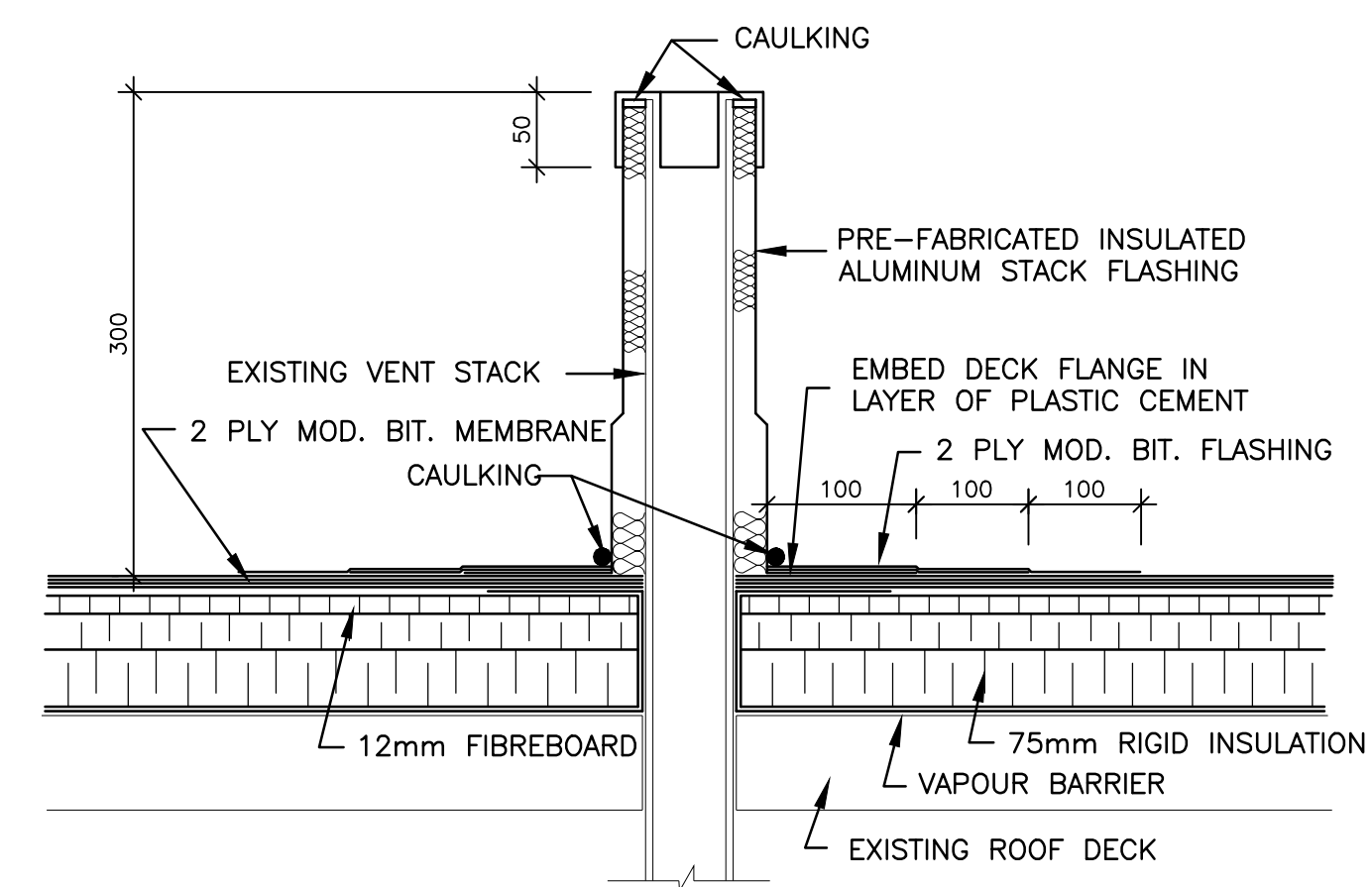


NOTE:-
SUPPLY 16 oz OF COPPER
FLASHING AND EXTEND 600mm
AROUND THE PERIMETER OF
ROOF DRAIN. FLASHING TO BE
INSTALL BETWEEN 2 PLY
ROOFING MEMBRANE AND 2 PLY
FLASHING.

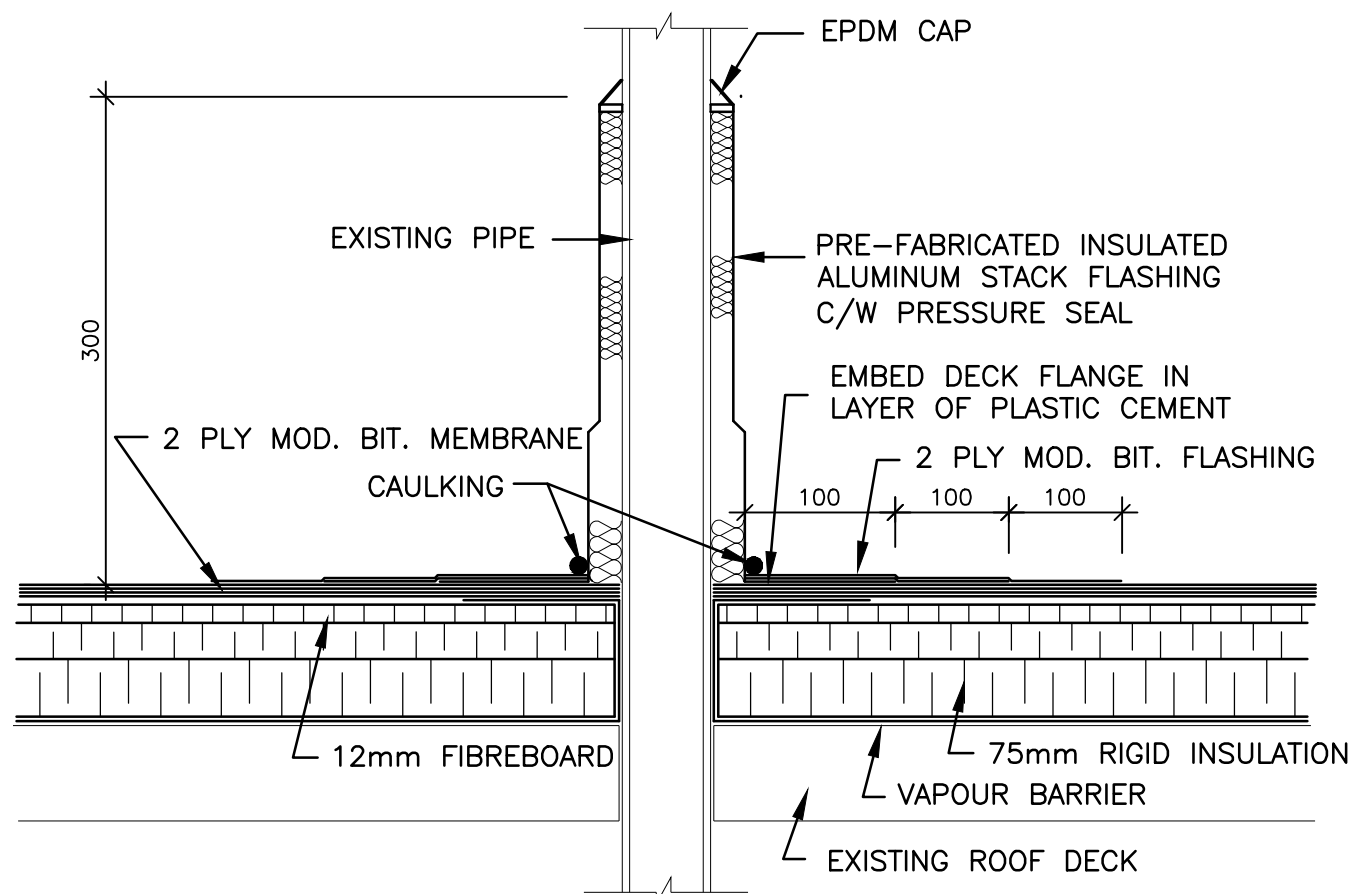
TYPICAL DETAIL AT ROOF DRAIN
SCALE 1:5



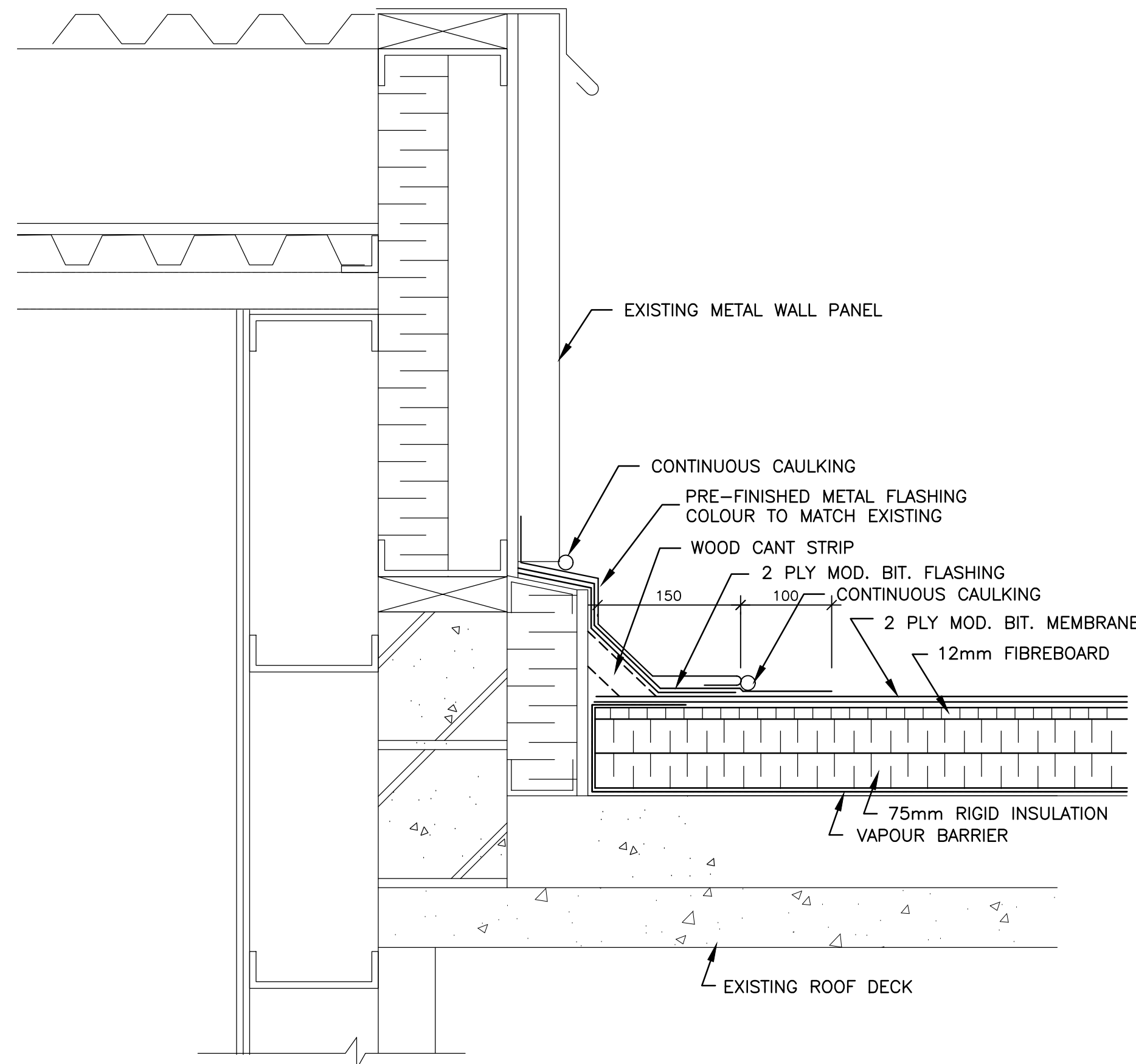
TYPICAL GAS PIPING SUPPORT
N.T.S.



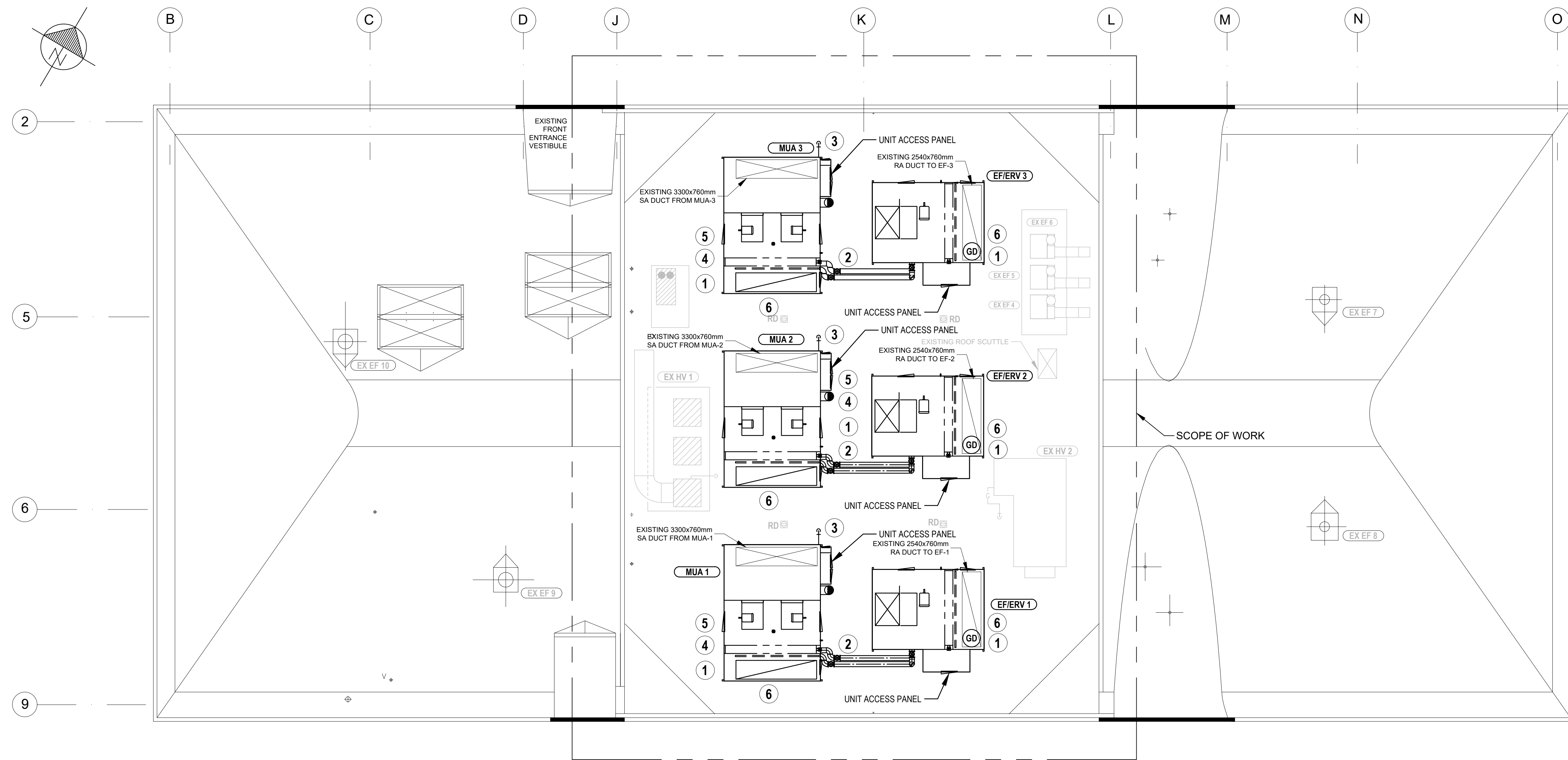
TYPICAL FLASHING AT PLUMBING VENT
SCALE 1:5



TYPICAL FLASHING AT PIPE
SCALE 1:5



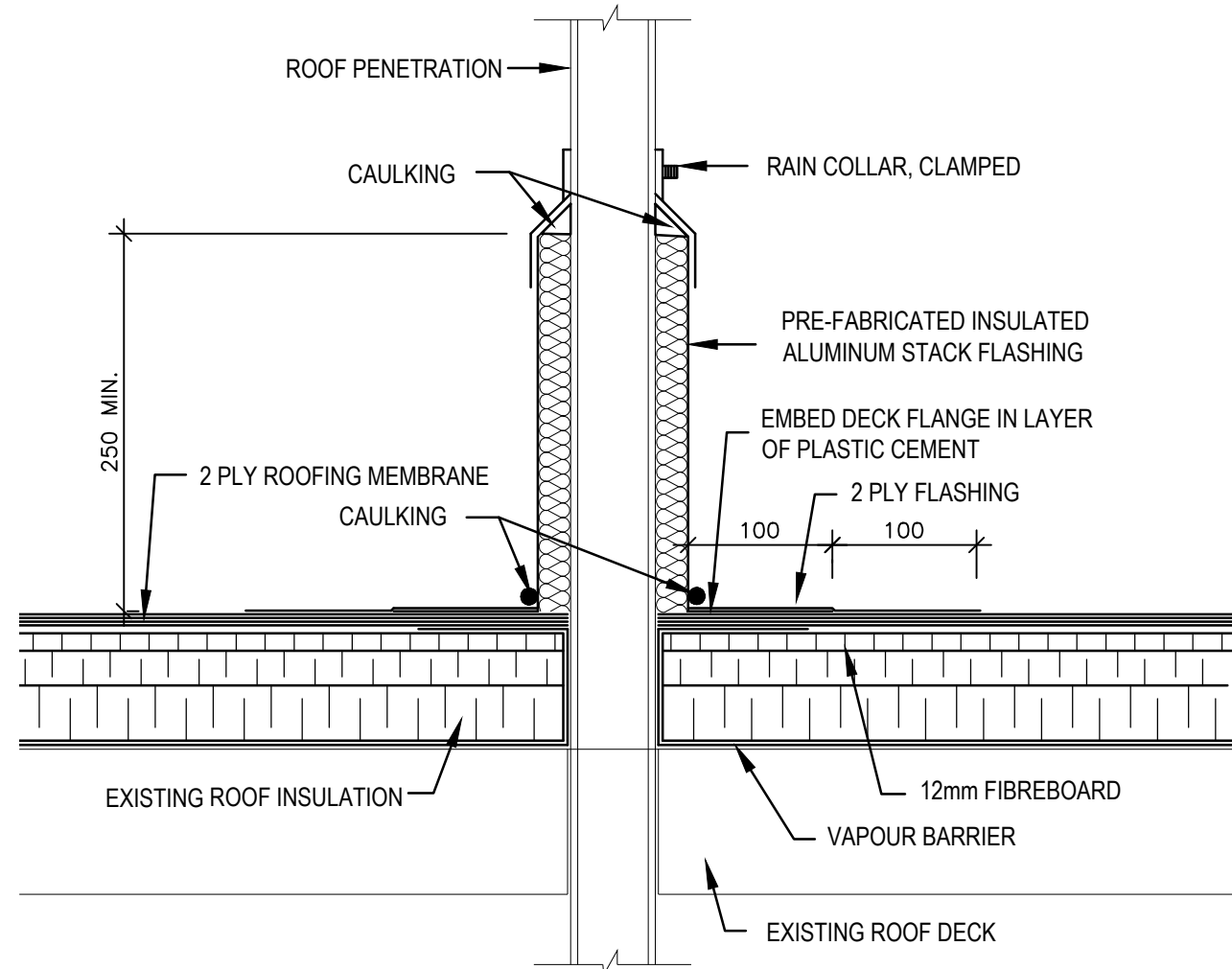
TYPICAL DETAIL CABLE END WALL
SCALE 1:5



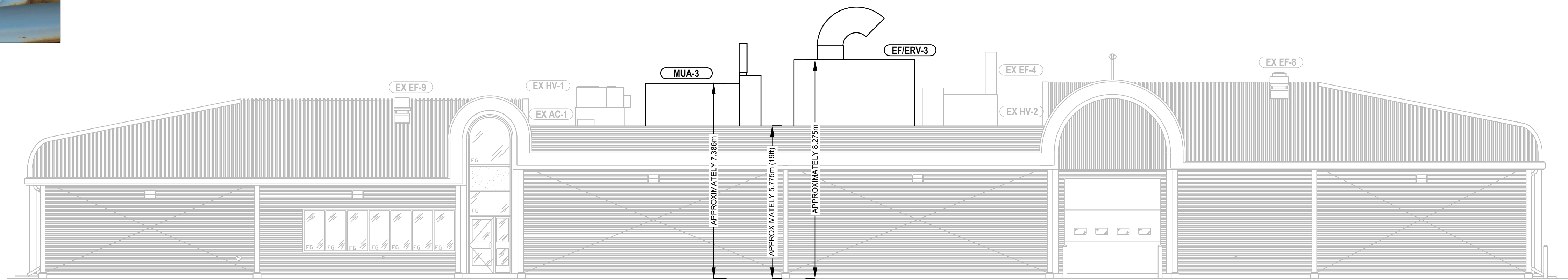
PROPOSED ROOF TOP HVAC
SCALE 1:100



EXISTING ROOF CURB SUPPORT



TYPICAL FLASHING AT ROOF
SCALE 1:5



EAST SECTION VIEW
SCALE 1:100

CONSTRUCTION NOTES:

1. SUPPLY AND INSTALL NEW MUA AND ERV UNITS ON EXISTING ROOF CURB.
2. PROVIDE NEW GLYCOL PIPING DISTRIBUTION FROM MUA UNIT TO EF/ERV UNIT. MAKE REQUIRED UNIT PIPING CONNECTIONS WITH NEW ISOLATION VALVES.
3. PROVIDE NEW GAS CONNECTION TO NEW MUA UNIT USING EXISTING GAS SERVICE PENETRATIONS.
4. ALL GUARDS MUST BE INSTALLED OVER BELTS.
5. ALL WORK AREAS OF MUA AND EF/ERV MUST HAVE CEILING WORK LIGHT WITH ASSOCIATED WALL SWITCH INSTALLED.
6. ALL ROOF PENETRATIONS TO HAVE 1hr FIRE STOP APPLIED.

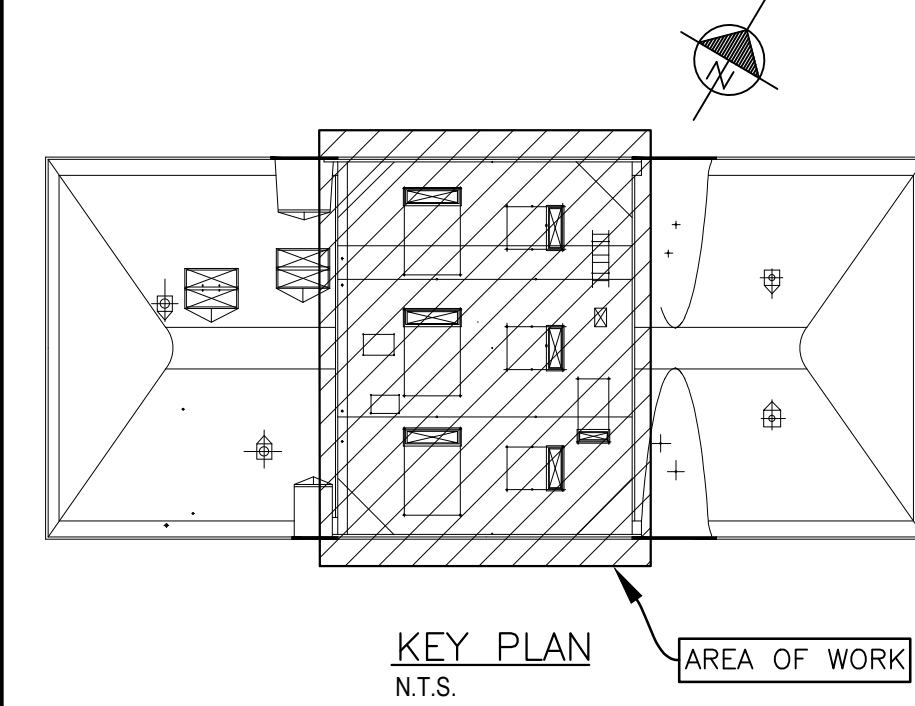
LEGEND

- NEW CONSTRUCTION
- EXISTING SUPPLY DUCT
- EXISTING RETURN DUCT
- PROPOSED GLYCOL PIPE
- PROPOSED GAS DETECTOR

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
TO BE REVIEWED | À ÊTRE RÉVISÉ

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GENERAL NOTES:

1. DRAWINGS ARE DIAGNOSTIC PERFORMANCE DRAWINGS, AND INTENDED TO CONVEY THE SCOPE OF WORK. EXACT LOCATIONS OF ALL EQUIPMENT, PIPING AND DUCTWORK SHALL BE OBTAINED FROM SITE MEASUREMENTS.
2. FOR CONSTRUCTION SEQUENCING SEE SECTION 01 11 00.
3. ALL MUA AND EF/ERV'S TO BE EQUIPPED WITH LOCAL SERVICE DISCONNECTS.
4. PROPOSED MUA AND EF/ERV ARE TO MATCH EXISTING MUA AND EF/ERV SPECIFICATIONS. REFER TO L-B147-8883/3-401 FOR EXISTING SPECIFICATIONS.
5. NEW MAU AND EF/ERV TO MATCH EXISTING MAU AND EF/ERV IN STATIC PRESSURE. L/S AIR DISCHARGE AS SHOWN ON TAB REPORTS (IN SPECIFICATIONS 1994 AND 2009)
6. SOLAR MATE HD8005 PROPYLENE GLYCOL TRANSFER FLUID IS TO BE PROVIDED BY DND, AND INSTALLED BY CONTRACTOR.
7. ENSURE SPILL KIT IS IN PLACE WHEN FILLING GLYCOL LINES, AND DURING COMMISSIONING OF GLYCOL LOOP.
8. EXISTING GAS PENETRATIONS MUST BE REUSED AND FITTED WITH NEW GAS REGULATOR, AND GAS PIPING.
9. ANY AIR MOVEMENT SYSTEM MUST BE DESIGNED TO SHUT DOWN UPON FIRE ALARM ACTIVATION. THIS SHUTDOWN CONTROL MUST BE DIRECTED BY A FIRE ALARM SHUTDOWN INTERLOCK.
10. EXISTING MUA UNITS ARE CONTROLLED BY DISCHARGE SENSORS. CONTRACTOR TO SUPPLY AND INSTALL NEW DISCHARGE SENSORS CONNECTED TO MAU BURNERS.
11. CONTRACTOR TO REMOVE EXISTING HEAT SENSORS AND REPLACE WITH NEW - ENSURE HEAT SENSORS ARE CONNECTED TO FIRE ALARM PANEL.
12. CONTRACTOR SHALL REINSTALL ALL HVAC INSULATION AND REATTACH ALL HVAC THAT WAS SEVERED TO COMPLETE ROOFING. CONSULTANT IN PRESENCE OF DCC AND RP Ops PM WILL DO SMOKE TEST AND COMMISSIONING OF ALL FANS THAT ARE RETURNED TO THEIR ORIGINAL LOCATION. ALL PENETRATIONS MUST BE SEALED AS INDICATED ON ARCHITECTURAL DRAWINGS.
13. CRANE REQUIREMENTS:
 - 13.1. MINIMUM OF 98 HOURS NOTICE REQUIRED BEFORE ERECTING CRANE BOOM - NOTICE TO BE SUBMITTED TO RP Ops
 - 13.1. APPROXIMATE LENGTH OF MAXIMUM MAIN BOOM: 21.903m (91.5ft)
 - 13.2. APPROXIMATE HEIGHT OF BUILDING: 5.775m (19ft)
 - 13.3. APPROXIMATE WEIGHT OF UNITS:
 - 13.3.1. MUA 1, 2, AND 3: 6,804kg (15,000 lbs)
 - 13.3.2. EF 1, 2, AND 3: 4,173kg (9,200 lbs)
14. ACCEPTABLE MANUFACTURERS:
 - 14.1. MUA: ENGINEERED AIR, TRANE
 - 14.2. EF/ERV: ENGINEERED AIR, TRANE

NO.	DATE	REVISION	APPR.

SCALE | ÉCHELLE

LOCATION | EMPLACEMENT

31 HANGAR ROAD
CFB BORDEN
ONTARIO

PROJECT | PROJET

REPLACE ROOF TOP HVAC UNITS
BUILDING A-253

TRADE | MÉTIER

Mechanical

DATE

2020/05/06

SUBJECT | SUJET

MECHANICAL ROOF PLAN
PROPOSED MUA/ERV

PRODUCTION	DESIGNED ÉTUDIÉ	REVIEWED REVU	DES O AGENT CONC
DWG	XX XX		
DRAWN DESSINÉ	CHECKED VÉRIFIÉ	COORDINATION	FIRE INCENDIE
DWG			

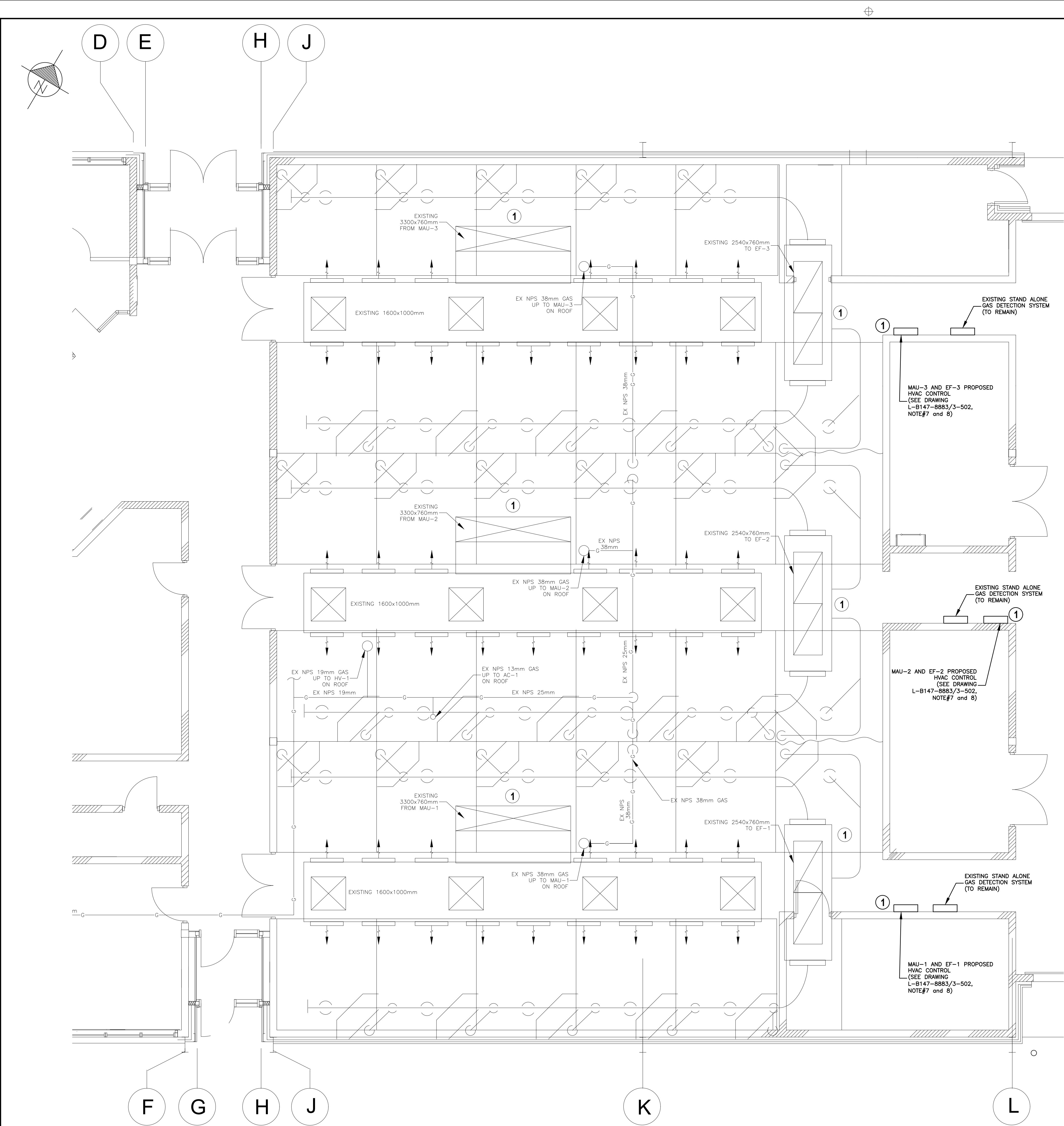
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N.200113.21.14

PF NO. | NO. DP
BN300143

DWG. NO. | NO. DESSIN

L-B147-8883/3-402

Canada



PARTIAL MECHANICAL FLOOR PLAN
SCALE 1:50

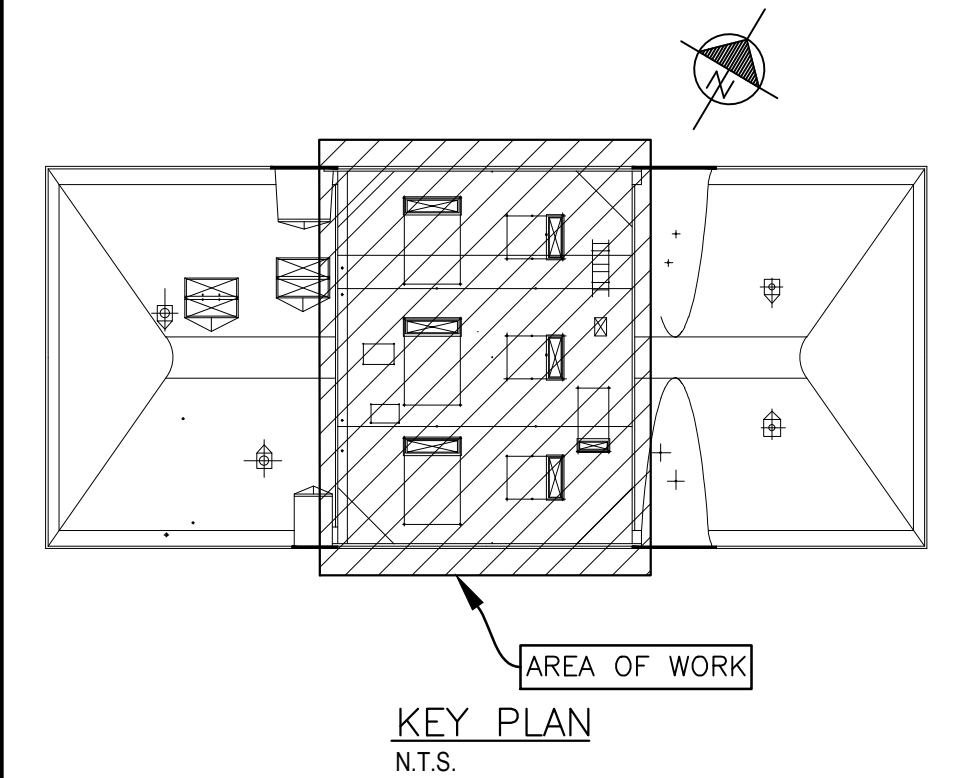


PROPOSED HVAC CONTROL

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
TO BE REVIEWED | À ÊTRE RÉVISÉ

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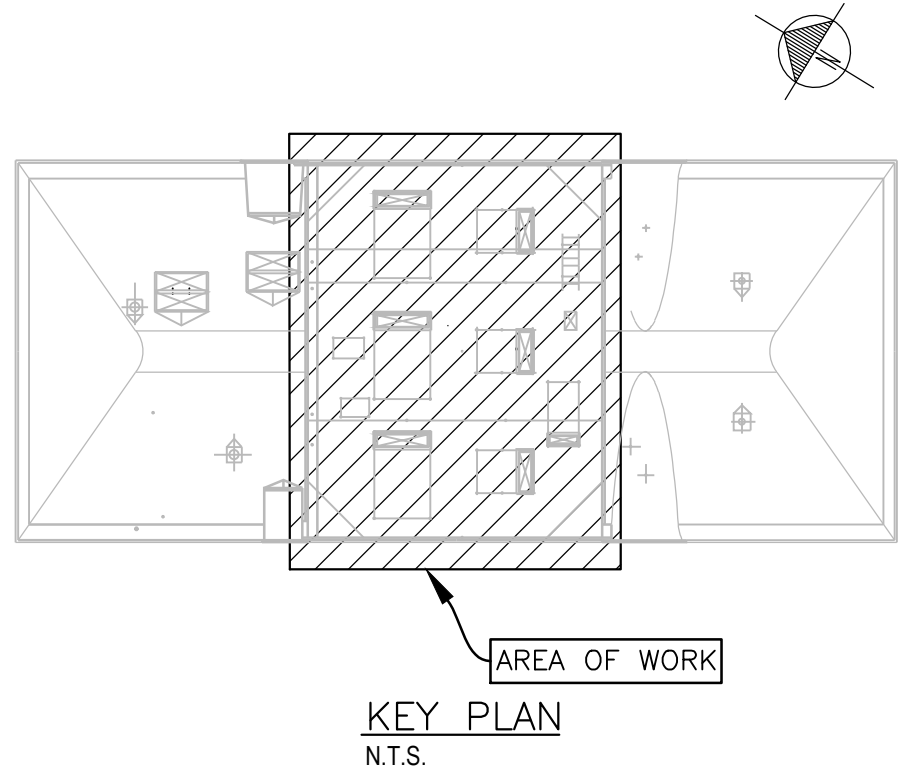


- LEGEND
- EXISTING NATURAL GAS
 - EXISTING NATURAL GAS (PIPE UPWARDS)
 - EXISTING NATURAL GAS (PIPE DOWNWARDS)
 - EXISTING SUPPLY (3300x760 TYPICAL)
 - EXISTING DIFFUSER
 - EXISTING DUCT
 - PROPOSED HVAC CONTROL

- GENERAL NOTES:
- MANUFACTURERS TO SUPPLY COMPATABLE MAUIERV CONTROL DEVICES THAT COMPLY WITH L-B147-8883/3-502.

- CONSTRUCTION NOTES:
- CONNECT TO APPROPRIATE MAU OR EF/ERV. SEE L-B147-8883/3-502 FOR DETAILS.

NO.	DATE	REVISION	APPR.
SCALE ÉCHELLE			
LOCATION EMPLACEMENT			
31 HANGAR ROAD			
CFB BORDEN			
ONTARIO			
PROJECT PROJET			
REPLACE ROOF TOP HVAC UNITS			
BUILDING A-253			
TRADE MÉTIER		DATE	
Mechanical		2020/05/06	
SUBJECT SUJET			
PARTIAL MECHANICAL FLOOR PLAN			
EXISTING HVAC CONTROL			
PRODUCTION		REVIEWED REVU	
DESIGNED ÉTUDIÉ	DGW	XX XX	DES O AGENT CONC
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WBS NO. NO. OTP		PF NO. NO. DP	
N.200113.21.14		BN300143	
DWG. NO. NO. DESSIN		L-B147-8883/3-403	
Canada			



LEGEND
DUCT DETECTOR (DEMOLISHED)

GENERAL NOTES FOR ELECTRICAL/FIRE ALARM PLAN

- ELECTRICAL CONTRACTOR TO REMOVE ALL ELECTRICAL CONDUIT/WIRES FROM MOTOR CENTER 6 TO HVAC DISCONNECT ON ROOF, PRIOR TO REMOVAL OF HVAC EQUIPMENT.
- ELECTRICAL CONTRACTOR TO REMOVE ALL FIRE ALARM SHUTDOWN CONDUIT/WIRES FROM HVAC EQUIPMENT TO JUNCTION BOX PRIOR TO REMOVAL OF HVAC EQUIPMENT.
- ELECTRICAL CONTRACTOR TO CO-ORDINATE ALL FIA WORK WITH DCC/BASE FIRE DEPARTMENT.
- ELECTRICAL CONTRACTOR TO REMOVE ANY FIRE ALARM DUCT DETECTORS IN THE DEMO AREA PRIOR TO ANY DEMOLITION WORK.
- ELECTRICAL CONTRACTOR TO CO-ORDINATE ANY ELECTRICAL SHUTDOWNS WITH DCC/BASE ELECTRICAL SHOP.
- LOCATION OF ROOF PITCH POCKETS TO BE VERIFIED ON-SITE BY ELECTRICAL CONTRACTOR.
- ELECTRICAL CONTRACTOR TO REMOVE ALL UNUSED WIRES FROM CONDUITS.
- ELECTRICAL CONTRACTOR TO VERIFY ALL FIRE ALARM FAN SHUTDOWN LOCATIONS ON ELECTRICAL EQUIPMENT.
- EXISTING MUA AND EF ELECTRICAL FEEDS
 - MUA-1 AND EF-1 FROM RP-B cat #74
 - MUA-2 AND EF-2 FROM RP-B cat #27
 - MUA-3 AND EF-3 FROM RP-B cat #6

DEMOLITION NOTES

- LOCATION OF EXISTING MUA AND EF/ERV ISOLATION DISCONNECTS
- LOCATION OF EXISTING UNIT 120V A/C SINTOSHES/RECEPTACLES INSIDE OF UNITS. ELECTRICAL CONTRACTOR TO VERIFY CIRCUITS WITH DCC/BASE ELECTRICAL SHOP. RP-B 33,35,37,39,41,38 COULD BE THE CIRCUITS SUPPLYING THE INSIDE DOWNLIGHT/RECEPTACLE POWER TO THE UNITS.
- ELECTRICAL CONTRACTOR TO VERIFY LOCATIONS ON MCH1 FOR THE SHUTDOWN OF EF-1, EF-2, EF-3, MUA-1, MUA-2, MUA-3. CURRENTLY THE EPS ARE FED FROM 100 AMP CELL/MALS FED FROM 60 AMP CELL. APPROXIMATELY 500 FEET OF #6 AND #3 WIRE, FEEDERS TO BE REMOVED.

EXISTING ELECTRICAL/FIRE ALARM ROOF TOP DEMOLITION
SCALE 1:100



EXISTING ELECTRICAL ROOF PENETRATION



EXISTING ELECTRICAL ROOF PENETRATION

NO.	DATE	REVISION	APPR.

SCALE | ÉCHELLE

LOCATION | EMPLACEMENT

31 HANGAR ROAD
CFB BORDEN
ONTARIO

PROJECT | PROJET

REPLACE ROOF TOP HVAC UNITS
BUILDING A-253

TRADE | MÉTIER
ELECTRICAL

DATE
2020/05/06

SUBJECT | SUJET
EXISTING ELECTRICAL/
FIRE ALARM ROOF PLAN
DEMOLISH EXISTING MUA/ERV

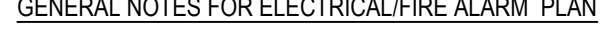
PRODUCTION	REVIEWED REVU	
DESIGNED ÉTUDIÉ		DES O AGENT CONC
MW		
DRAWN DESSINÉ		PROJ MGR GEST PROJ
SNW		
CHECKED VÉRIFIÉ		DES MGR GEST CONC
COORDINATION		FIRE INCENDIE

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N.200113.21.14

PF NO. | NO. DP
BN300143

DWG. NO. | NO. DESSIN
L-B147-8883/3-501

Canada



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LOCATION | EMPLACEMENT

31 HANGAR ROAD
CFB BORDEN
ONTARIO

REPLACE ROOF TOP HVAC UNITS BUILDING A-253

SUBJECT | SUJET

PRODUCTION	REVIEWED REVU	
DESIGNED ÉTUDIÉ MW		DES O AGENT CONC

WBS NO. NO. OTP N.200113.21.14	PF NO. NO. DP BN300143
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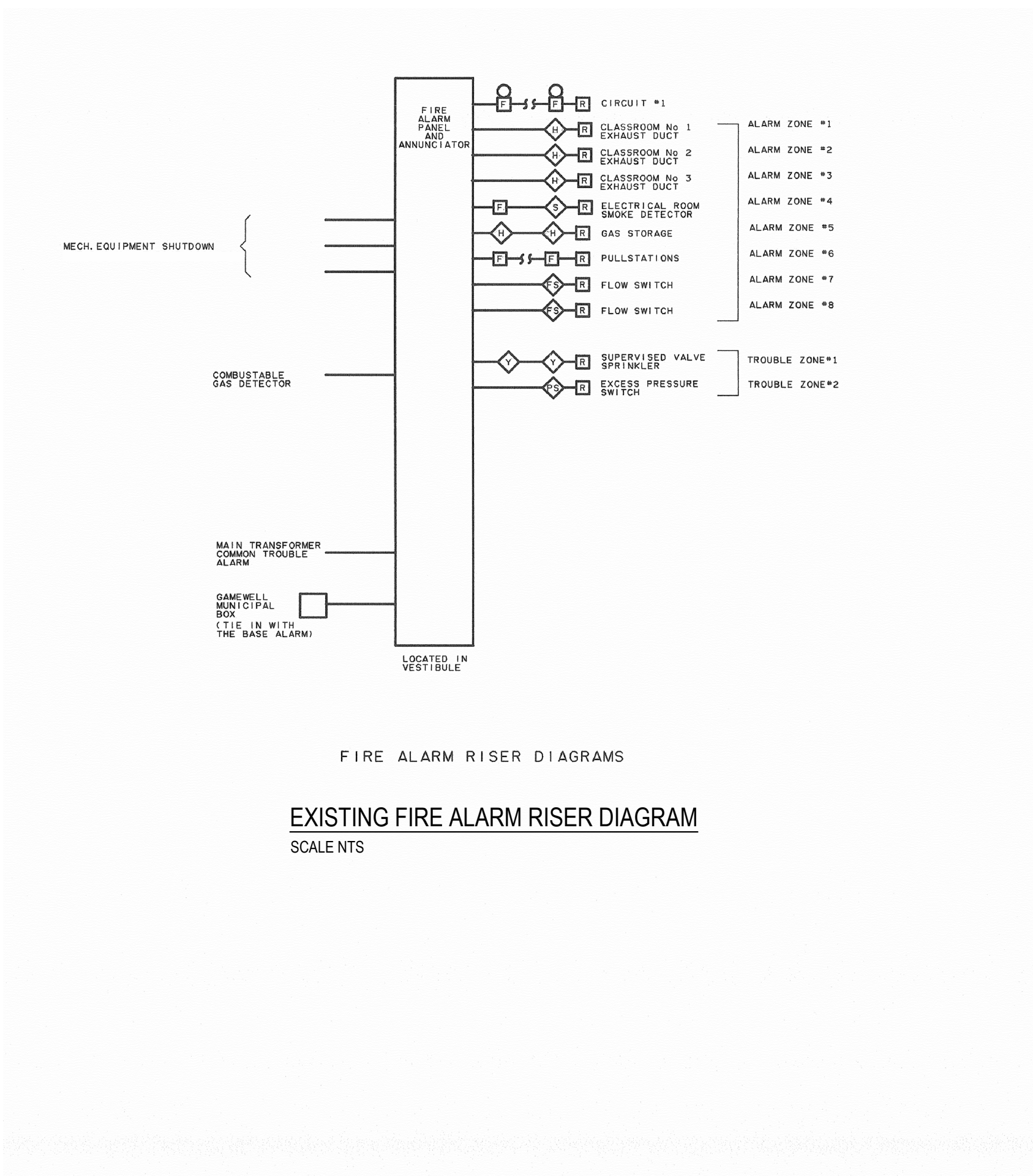
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EXISTING MCC PANEL



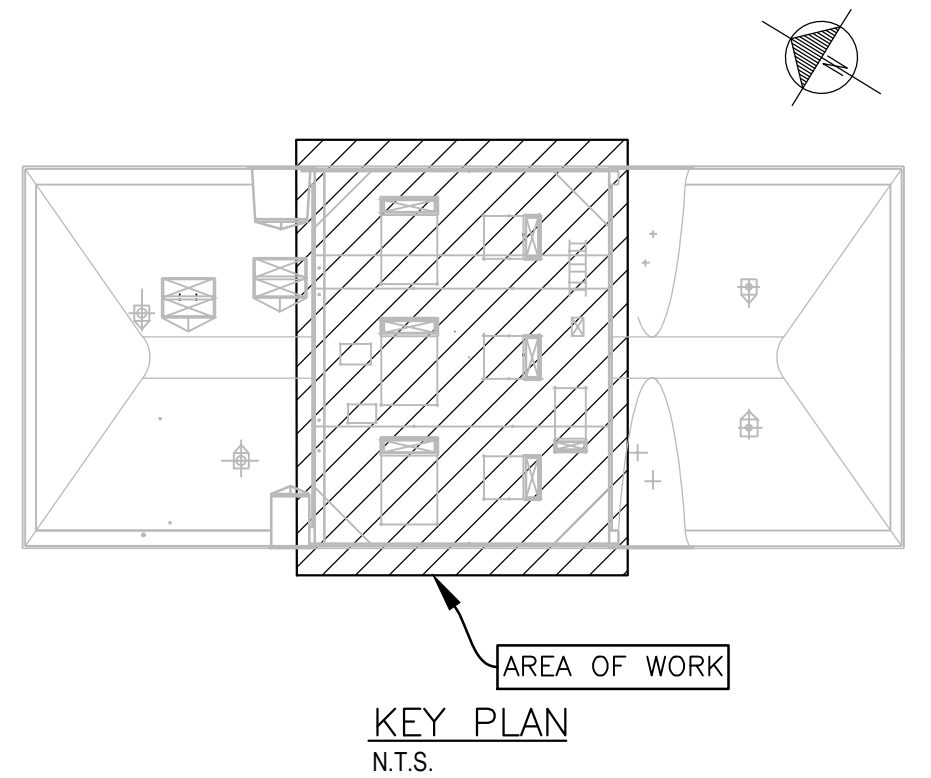
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EXISTING RP-B PANEL SCHEDULE

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
TO BE REVIEWED | À ÊTRE RÉVISÉ

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NO.	DATE	REVISION	APPR

SCALE | ÉCHELLE

LOCATION | EMPLACEMENT

31 HANGAR ROAD
CFB BORDEN
ONTARIO

PROJECT | PROJET

TRADE MÉTIER ELECTRICAL	DATE 2020/05/06
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SUBJECT | SUJET

EXISTING FIRE ALARM PANEL AND RECEPTACLE PANEL SCHEDULE

PRODUCTION | REVIEWED | REVISED

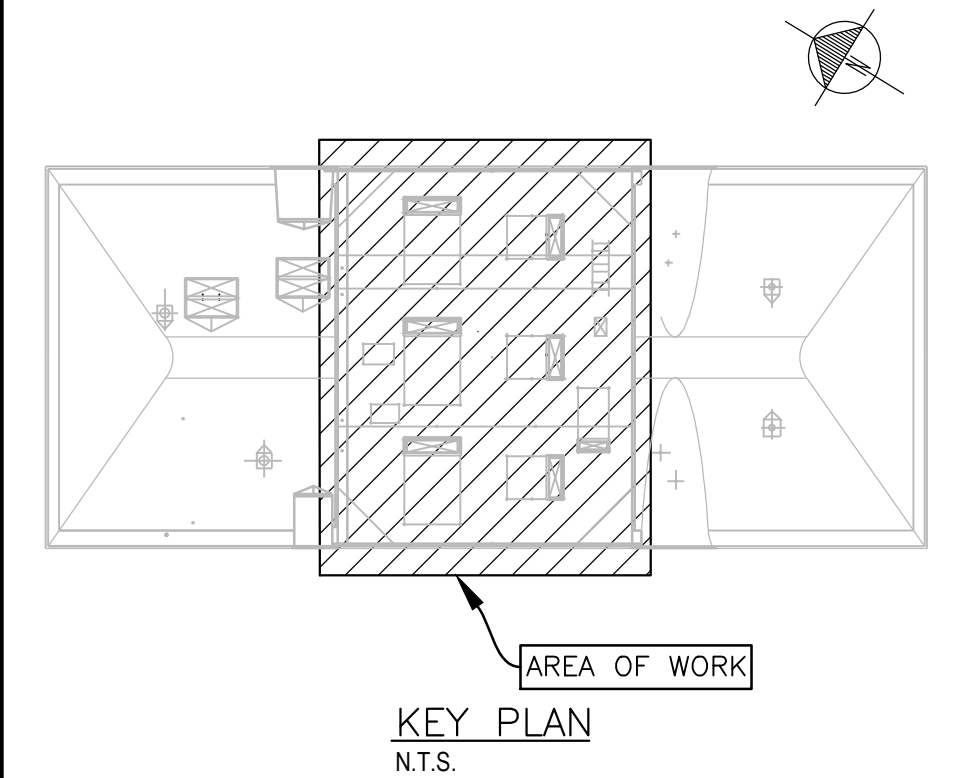
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COORDINATION		FIRE INCENDIE
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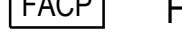
WBS NO. NO. OTP	PF NO. NO. DP
N.200113.21.14	BN300143

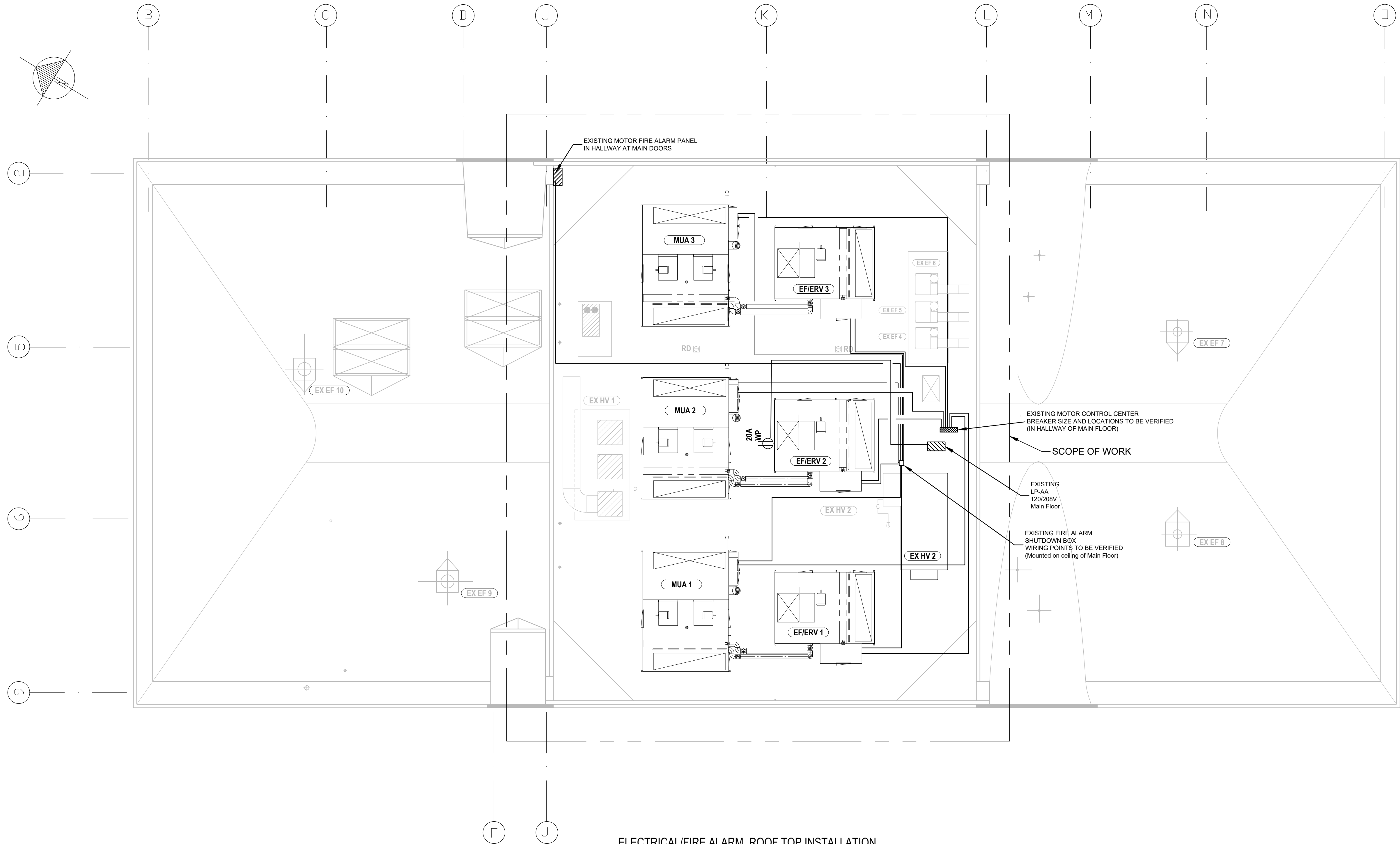
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LEGEND

-  MAIN HYDRO METER
-  POWER PANEL
-  DUPLEX RECEPTACLE
-  20AMP GFI RECEPTACLE
-  GFI DUPLEX RECEPTACLE
-  FIRE ALARM PANEL
-  FIRE ALARM PULL STATION
-  FIRE ALARM HORN/STROBE



ELECTRICAL/FIRE ALARM ROOF TOP INSTALLATION

SCALE 1:100



POSSIBLE LIGHT FIXTURE FOR UNITS



EXISTING ELECTRICAL ROOF PENETRATION

- SCOPE OF WORK FOR ELECTRICAL PLAN
- ELECTRICAL CONTRACTOR TO INSTALL NEW ELECTRICAL CONDUIT/WIRES FROM MOTOR CENTER 6 TO ERV 1, ERV2, ERV3, MUA 1, MUA 2, MUA 3.
 - ELECTRICAL CONTRACTOR TO INSTALL NEW FUSING (AS REQUIRED) INTO EXISTING CELLS. EXISTING MOTOR CENTER IS A SQUARE D MODEL46. CELLS ARE MARKED ERV1, ERV2, ERV3, MUA1, MUA2, AND MUA3. FUSING SIZE TO BE MARKED ON OUTSIDE OF CELL.
 - ELECTRICAL CONTRACTOR TO INSTALL NEW FIRE ALARM SHUTDOWN WIRE/CONDUIT FROM IDENTIFIED SHUTDOWN POINT ON EACH ERV1, MUA1, ETC. TO FIA BOX ON CEILING AND BACK TO FIRE ALARM PANEL. EACH DUCT DETECTOR IS TO SEPARATELY FED IN A CLASS A CONFIGURATION BACK TO THE FAC. ALL ZONES WORKED ON WILL NEED TO BE FULLY VERIFIED AS PER CANULC-5537. THE FIRE ALARM SHUTDOWNS ARE TO BE REINSTALLED BY THE ELECTRICAL CONTRACTOR, AND VERIFIED FOR PROPER OPERATION.
 - ELECTRICAL CONTRACTOR WILL INSURE THAT ALL FIRE ALARM WORK IS TO BE VERIFIED AND CO-ORDINATE WITH DCC/BASE FIRE DEPARTMENT.
 - ELECTRICAL CONTRACTOR TO INSTALL NEW FIRE ALARM DUCT DETECTORS (3) IN THE REQUIRED DUCTWORK. THE NEW DUCT DETECTORS ARE TO BE COMPATIBLE WITH EXISTING FIRE ALARM SYSTEM. SYSTEM/DUCT DETECTOR TYPE TO BE VERIFIED ON SITE BY CONTRACTOR.
 - ELECTRICAL CONTRACTOR TO CO-ORDINATE ANY ELECTRICAL SHUTDOWNS WITH DCC/BASE ELECTRICAL SHOP.
 - ELECTRICAL CONTRACTOR TO CO-ORDINATE ANY FIRE ALARM WORK/SHUTDOWNS WITH DCC/BASE FIRE DEPARTMENT.
 - ELECTRICAL CONTRACTOR TO INSTALL NEW CONDUIT FOR CONTROL FROM EACH ERV 1, MUA1, ETC. TO NEW CONTROL PANEL LOCATION.
 - ELECTRICAL CONTRACTOR TO INSTALL ANY CONDUIT REQUIRED FROM HVAC UNIT TO CONTROL LOCATION. (TO BE VERIFIED BY ELECTRICAL CONTRACTOR ON SITE). EMT IS TO BE INSTALLED BELOW THE ROOF. AC 90 TECH. OR RIGID PVC CONDUIT INSTALLED ABOVE THE ROOF. BOND WIRE TO BE INSTALLED IN ALL CONDUITS.
 - ELECTRICAL CONTRACTOR TO PROVIDE POWER TO EXISTING GAS DETECTION SYSTEM FROM PANEL LP-AAA. ELECTRICAL CONTRACTOR TO INSTALL LOW VOLTAGE TRANSFORMER(S) IF NEEDED.
 - ELECTRICAL CONTRACTOR TO INSTALL NEW WIRING/CONDUIT, GFI RECEPTACLE ON ROOF FOR MAINTENANCE OF ERV1, MUA1, ETC. RECEPTACLES TO BE 20 AMP T-SLOT WITH PROPER IN-USED COVERS RECEPTACLES TO BE MOUNTED AS INDICATED. NOT TO IMPEDE MAINTENANCE.
 - ELECTRICAL CONTRACTOR TO INSTALL SINGLE POLE 20 AMP 10KA BREAKERS FOR T-SLOT RECEPTACLE. ELECTRICAL CONTRACTOR TO MATCH EXISTING ELECTRICAL MANUFACTURER TYPE.
 - PITCH-POCKETS TO BE INSTALLED AS CLOSE AS POSSIBLE TO EF-1, 2, AND 3.
 - PITCH-POCKETS TO BE INSTALLED AS CLOSE AS POSSIBLE TO MUA-1, 2, AND 3.
 - EXISTING PITCH-POCKETS THAT ARE NO LONGER REQUIRED TO BE REPAIRED MATCHING EXISTING ROOF.
 - ALL MUA AND EF/ERV TO BE EQUIPPED WITH LOCAL SERVICE DISCONNECT SUPPLIED BY THE HVAC MANUFACTURER/CONTRACTOR. ELECTRICAL CONTRACTOR TO CONNECT NEW WIRING AND RACEWAY TO THE EF/ERVs.
 - ALL MUA AND EF TO BE EQUIPPED WITH LIGHTS AND SWITCHES, SUPPLIED BY HVAC MANUFACTURER. ELECTRICAL CONTRACTOR TO CONNECT NEW WIRING AND RACEWAY TO THESE DEVICES.
 - ELECTRICAL CONTRACTOR MAY USE "TECH" CABLE OR "SEAL TIGHT" TO TRANSITION THROUGH THE PITCH POCKETS.
 - ALL RTUS TO HAVE LOCAL DISCONNECTS. ANY/ALL OUTDOOR DISCONNECTS TO BE NEMA 4 RATED OR BETTER.
 - ELECTRICAL CONTRACTOR TO CONNECT TO 120 CIRCUITS TO SWITCHES AND RECEPTACLES AS PROVIDED BY THE MECHANICAL HVAC SUPPLIER IN THE EF-1, EF-2, EF-3, MUA-1, MUA-2, MUA-3. ONE 20 AMP GFI RECEPTACLE/WEATHERPROOF COVER TO BE INSTALLED IN THE MIDDLE OF THE 3 EF-UNITS.
 - MECHANICAL CONTRACTOR TO SUPPLY MOISTURE/AIR RESISTANT INSTALLED SWITCHES AND LIGHT FIXTURES IN THE MUA's AND EF/ERVs. ELECTRICAL CONTRACTOR TO CONNECT TO CONNECT WIRES INSIDE CONDUIT TO ELECTRICAL PANEL.

NO.	DATE	REVISION	APPR.
SCALE ÉCHELLE			

LOCATION | EMPLACEMENT
31 HANGAR ROAD
CFB BORDEN
ONTARIO

PROJECT | PROJET

PROPOSED ROOF TOP HVAC UNITS
BUILDING A-253

TRADE | MÉTIER
ELECTRICAL

DATE
2020/05/06

SUBJECT | SUJET

ELECTRICAL/FIRE ALARM ROOF PLAN
INSTALL NEW MUA/ERV

PRODUCTION	DESIGNED ÉTUDIÉ	REVIEWED REVU	DES O AGENT CONC
MW			
DRAWN DESSINÉ			PROJ MGR GEST PROJ
SNW			
CHECKED VÉRIFIÉ			DES MGR GEST CONC
COORDINATION			FIRE INCENDIE

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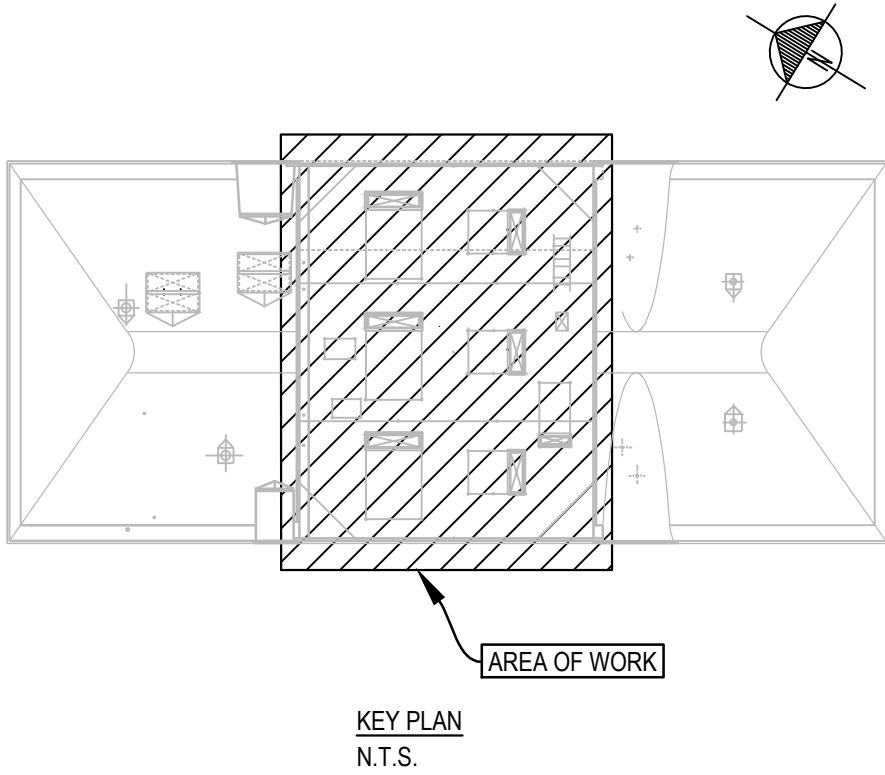
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LEGEND

- POLE
- TRANSFORMER
- DELTA
- GROUNDED
- CONDUCTOR
- DISCONNECT
- FUSED DISCONNECT
- MOULDED CASE BREAKER
- PANEL
- FUSE
- MOTOR
- METER
- FILTER
- GENERATOR
- FAN
- MOTORIZED VALVE
- FIRE ALARM SHUT-DOWN

NO.	DATE	REVISION	APPR.

SCALE | ÉCHELLE

LOCATION | EMPLACEMENT

31 HANGAR ROAD
CFB BORDEN
ONTARIO

PROJECT | PROJET

REPLACE ROOF TOP HVAC UNITS
BUILDING A-253

TRADE | MÉTIER
ELECTRICAL

DATE
2020/05/06

SUBJECT | SUJET

EXISTING A-253
SINGLE LINE DIAGRAM

PRODUCTION	DESIGNED ÉTUDIÉ	REVIEWED REVU	DES O AGENT CONC
MW			
DRAWN DESSINÉ			PROJ MGR GEST PROJ
CHECKED VÉRIFIÉ			DES MGR GEST CONC
COORDINATION			FIRE INCENDIE

WBS NO. NO. OTP N.200113.21.14	PF NO. NO. DP BN300143
DWG. NO. NO. DESSIN	L-B147-8883/3-505

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