

PIPING NOTE

CONTRACTOR TO CONFIRM LOCATION OF EXISTING HWHS/HWR PIPES. NEW HYDRONIC PIPING AND VALVES, POWER SUPPLY WIRING, AND DDC CONTROLS WIRING SHALL BE RUN WITHIN EXISTING & NEW MECHANICAL CHASES AND SECURITY ENCLOSURES AS SHOWN.

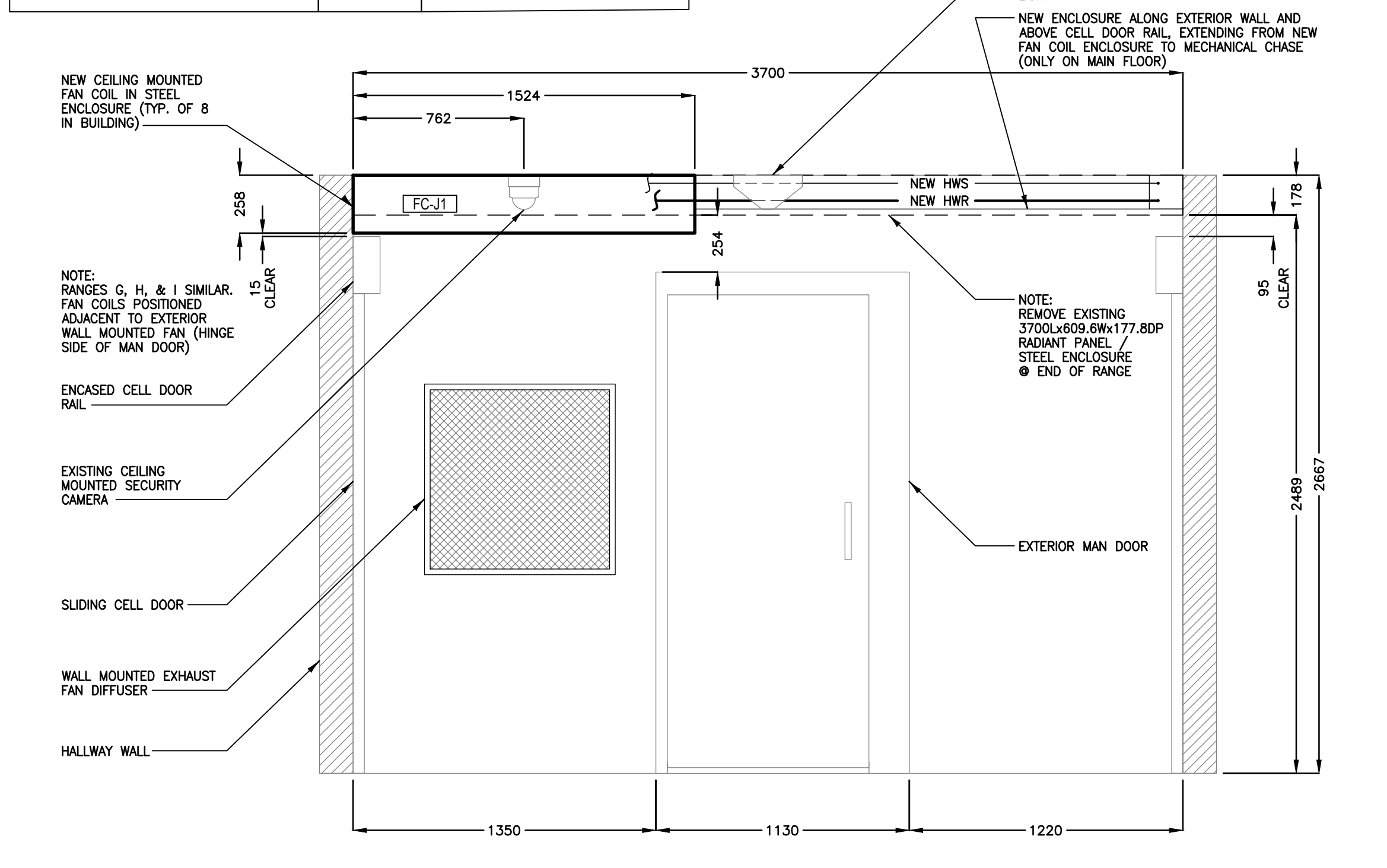
PIPING SCHEMATIC LEGEND

ITEM	SYMBOL	REMARKS
PIPE FITTING, END CAP	[Symbol]	
PIPE FITTING, 90deg. ELBOW	[Symbol]	
PIPE FITTING, 90deg. ELBOW - PIPE TURNING UP	[Symbol]	
PIPE FITTING, 90deg. ELBOW - PIPE TURNING DOWN	[Symbol]	
PIPE FITTING, TEE CONNECTION	[Symbol]	
PIPE FITTING, TEE CONNECTION - LEG FROM BOTTOM OF PIPE	[Symbol]	
FITTING - GATE/GLOBE VALVE	[Symbol]	
EXISTING PIPE LINETYPE	[Symbol]	
NEW PIPE LINETYPE	[Symbol]	
FITTING - SOLENOID VALVE	[Symbol]	

EQUIPMENT LEGEND

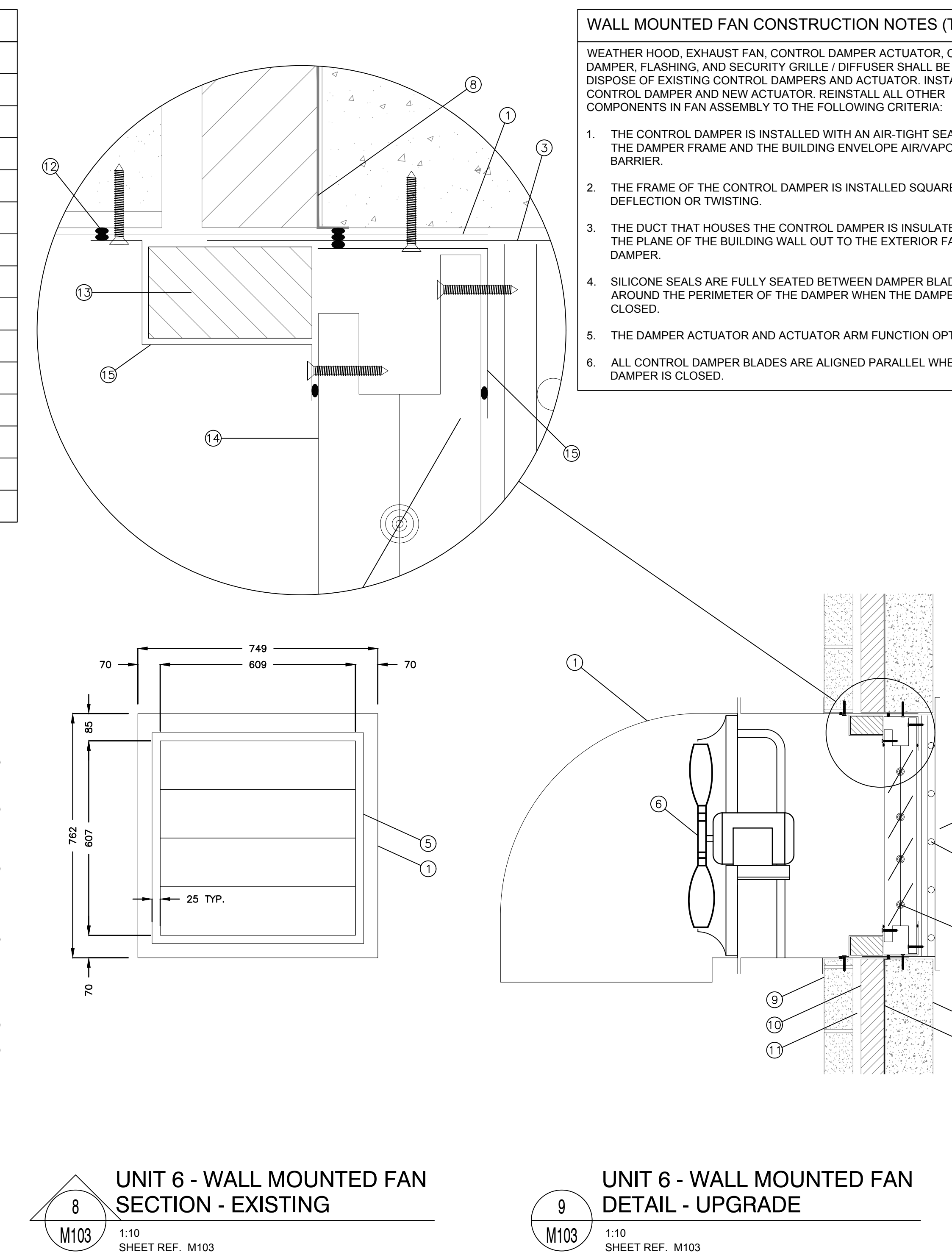
FAN COIL TAG	[Symbol]

- FAN COIL CONSTRUCTION NOTES**
- OPEN EXISTING STEEL SECURITY ENCLOSURE AT THE END OF THE RANGE HALLWAY.
 - DISCONNECT AND DRAIN THE SECTION OF RADIANT PANEL TUBING IN THE HALLWAY.
 - REMOVE AND DISPOSE OF STEEL SECURITY ENCLOSURE AND RADIANT PANEL TUBING.
 - MOUNT A NEW FAN COIL TO THE CONCRETE CEILING. SEE DETAILS 4 & 5.
 - CONNECT NEW FAN COIL TO MAIN HWS AND HWR DISTRIBUTION LOOPS w/ NEW 19mm PIPE AND SOLENOID VALVE ON SUPPLY LINE.
 - EACH NEW FAN COILS SHALL BE PROVIDED A 26V 24VDC POWER SUPPLY AND 0-10V CONTROL SIGNAL. SUPPLY AND RETURN WATER TEMPERATURES, SUPPLY AND RETURN AIR TEMPERATURES, AND FAN STATUS SHALL BE MONITORED BY THE DDC SYSTEM. DDC SYSTEM SHALL CONTROL SOLENOID VALVE. TWO NEW ENCLOSURES FOR DDC EQUIPMENT SHALL BE INSTALLED IN 2ND FLOOR HALLWAYS NEXT TO EXISTING DDC PANELS. SEE ELECTRICAL PLANS.
 - INSTALL SUPPLY AIR DUCT, NEW STEEL SECURITY ENCLOSURE PANELS, AND RETURN AND SUPPLY GRILLES. SEE DETAILS 4 & 5.
 - WALLS EXPOSED DUE TO REMOVAL OF EXISTING STEEL SECURITY ENCLOSURE TO BE PATCHED AND PAINTED. IF THE WALL CONDITION IS NOT SUITABLE FOR PATCHING AND PAINTING, THE EXISTING SECURITY ENCLOSURE IS TO BE REINSTALLED AROUND THE NEW ENCLOSURE TO PRE-CONSTRUCTION CONDITION.



WALL MOUNTED FAN SECTION LEGEND

1	EXISTING METAL ENCLOSURE
2	EXISTING FLASHING
3	DIFFUSER
4	SECURITY GRILLE
5	EXISTING CONTROL DAMPER
6	FAN MOTOR & BLADES
7	CONCRETE WALL
8	EXISTING AIR / VAPOUR BARRIER
9	BRICK VENEER
10	INSULATION
11	AIR GAP
12	ACOUSTIC CAULK
13	57x102 RIGID INSULATION (INSTALL AROUND PERIMETER OF FACE OF DAMPER)
14	NEW CONTROL DAMPER AND NEW ACTUATOR
15	NEW FLASHING



Public Works and Government Services Canada / Travaux publics et Services gouvernementaux Canada

REAL PROPERTY SERVICES
Western Region
SERVICES IMMOBILIERS
Région de l'ouest

DGH ENGINEERING LTD.
PROFESSIONAL SERVICE - PRACTICAL SOLUTIONS

APGCM
Certificate of Authorization
DGH Engineering Ltd.
No. 540 Date: 2017/07/21

Revision	Description	Date
5		
4		
3		
2		
1		
0	ISSUED FOR TENDER	2017/07/21

PUBLIC WORKS & GOVERNMENT SERVICES

100-167 LOMBARD AVENUE
WINNIPEG, MB R3B 0T6

Project: **CORRECTIONAL SERVICE CANADA
STONY MOUNTAIN INSTITUTION
STONY MOUNTAIN, MB**

**UNIT 6
MECHANICAL UPGRADE**

Designed by	Conçu par
MAH	
Drawn by	Dessiné par
RTD	
Approved by	Approuvé par
RLG	
PWOSC Project Manager	Administrateur de Projets PWOSC
TIM LODGE	
Drawing title	Titre du dessin
UNIT 6 FLOOR PLAN - PARTIALS, NEW FAN COIL & EXISTING WALL MOUNTED FAN DETAILS	

Project no./No. du projet	Drawing no./No. du dessin	Revision no.
R.043722.003	M103	0
	OF 04	