



ITEM	SYMBOL	REMARKS
ELECTRICAL PANEL	[Symbol]	
DDC PANEL	[Symbol]	
NEW EMT CONDUIT FOR DDC	[Symbol]	500
NEW EMT CONDUIT FOR 120V	[Symbol]	
EXISTING CONDUIT	[Symbol]	500
JUNCTION BOX	[Symbol]	
PHOTO LOCATION	[Symbol]	ARROW SHOWS VIEWING DIRECTION
FAN COIL	[Symbol]	26W 24VDC
FAN COIL TAG	[Symbol]	FC#

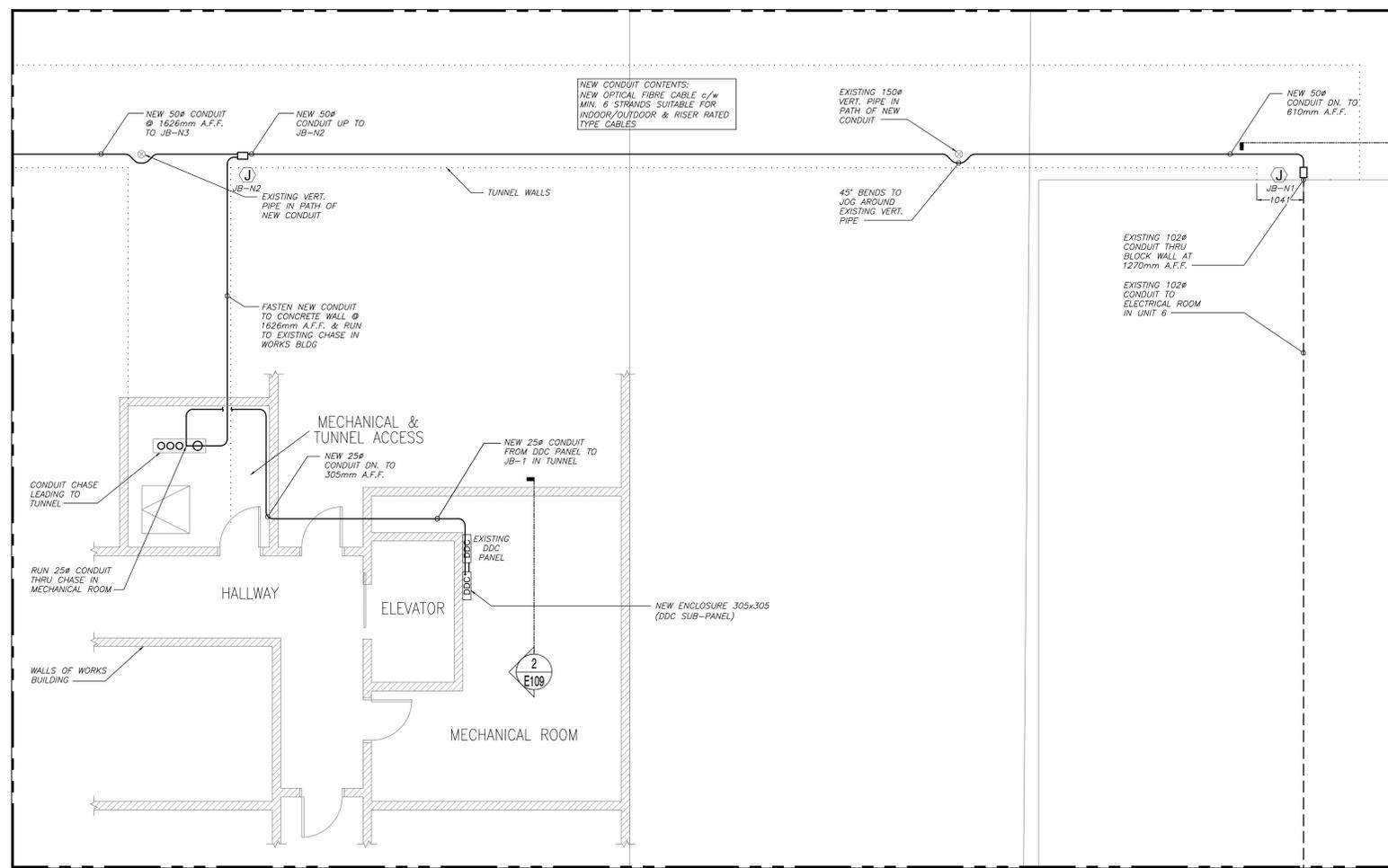
BOX TAG	SIZE (WxHxD)	INCOMING CONDUIT (SIZE & CONTENTS)	OUTGOING CONDUIT (SIZE & CONTENTS)	ELEV. (A.F.F.)
JB-1	610x150x150	1020 CONDUIT w/ 3 FIBRE OPTIC CABLES	500 CONDUIT w/ 3 FIBRE OPTIC CABLES	1118
JB-2	1219x200x127	500 CONDUIT w/ 3 FIBRE OPTIC CABLES	500 CONDUIT w/ 3 FIBRE OPTIC CABLES	400
JB-3	1219x200x127	500 CONDUIT w/ 3 FIBRE OPTIC CABLES	500 CONDUIT w/ 3 FIBRE OPTIC CABLES	1689
JB-4	1219x200x127	500 CONDUIT w/ 3 FIBRE OPTIC CABLES (1 CUT IN BOX)	500 CONDUIT w/ 6 FIBRE OPTIC CABLES 1 #14 AWG	787
JB-5	300x100x114	500 CONDUIT w/ 6 FIBRE OPTIC CABLES 1 #14 AWG	500 CONDUIT w/ 6 FIBRE OPTIC CABLES 1 #14 AWG	1295
JB-6	1219x200x127	500 CONDUIT w/ 6 FIBRE OPTIC CABLES 1 #14 AWG	500 CONDUIT w/ 6 FIBRE OPTIC CABLES 1 #14 AWG	1956
JB-7	400x400x150	500 CONDUIT w/ 5 FIBRE OPTIC CABLES 1 #14 AWG 500 CONDUIT w/ 2 GREY DATA CABLES	500 CONDUIT w/ 5 FIBRE OPTIC CABLES 1 #14 AWG 500 CONDUIT w/ 1 GREY DATA CABLE 1 #14 AWG	1295
JB-8	1219x200x150	500 CONDUIT w/ 2 FIBRE OPTIC CABLES	500 CONDUIT w/ 2 FIBRE OPTIC CABLES	1524
JB-A	914x200x127	500 CONDUIT w/ 3 FIBRE OPTIC CABLES	500 CONDUIT w/ 3 FIBRE OPTIC CABLES	
JB-B	914x200x127	500 CONDUIT w/ 3 FIBRE OPTIC CABLES	500 CONDUIT w/ 3 FIBRE OPTIC CABLES	
JB-C	914x200x127	500 CONDUIT w/ 3 FIBRE OPTIC CABLES	500 CONDUIT w/ 3 FIBRE OPTIC CABLES	533
JB-D	914x200x127	500 CONDUIT w/ 3 FIBRE OPTIC CABLES 130 CONDUIT w/ 4 #24 AWG GREY 250 CONDUIT w/ 2 FIBRE OPTIC CABLES 1 #24 AWG YELLOW	500 CONDUIT w/ 1 FIBRE OPTIC CABLE 4 #24 AWG GREY 2 #24 AWG YELLOW	1219
JB-E	914x200x127	500 CONDUIT w/ 1 FIBRE OPTIC CABLE 4 #24 AWG GREY 2 #24 AWG YELLOW	500 CONDUIT w/ 1 FIBRE OPTIC CABLE 4 #24 AWG GREY 2 #24 AWG YELLOW	1676
JB-F	914x200x127	500 CONDUIT w/ 1 FIBRE OPTIC CABLE 4 #24 AWG GREY 2 #24 AWG YELLOW	500 CONDUIT w/ 1 FIBRE OPTIC CABLE 4 #24 AWG GREY 2 #24 AWG YELLOW	1219
JB-G	914x914x300	250 CONDUIT w/ 2 FIBRE OPTIC CABLES 250 CONDUIT w/ 1 FIBRE OPTIC CABLE	300 CONDUIT w/ 3 FIBRE OPTIC CABLES	NOT VERIFIED
JB-H	914x914x300	NOT VERIFIED	NOT VERIFIED	NOT VERIFIED

NOTE: "INCOMING" AND "OUTGOING" CONDUITS IN THIS SCHEDULE RELATE TO TRAVEL ALONG THE EXISTING CONDUITS FROM JB-A TO JB-F AND FROM JB-1 TO JB-8.

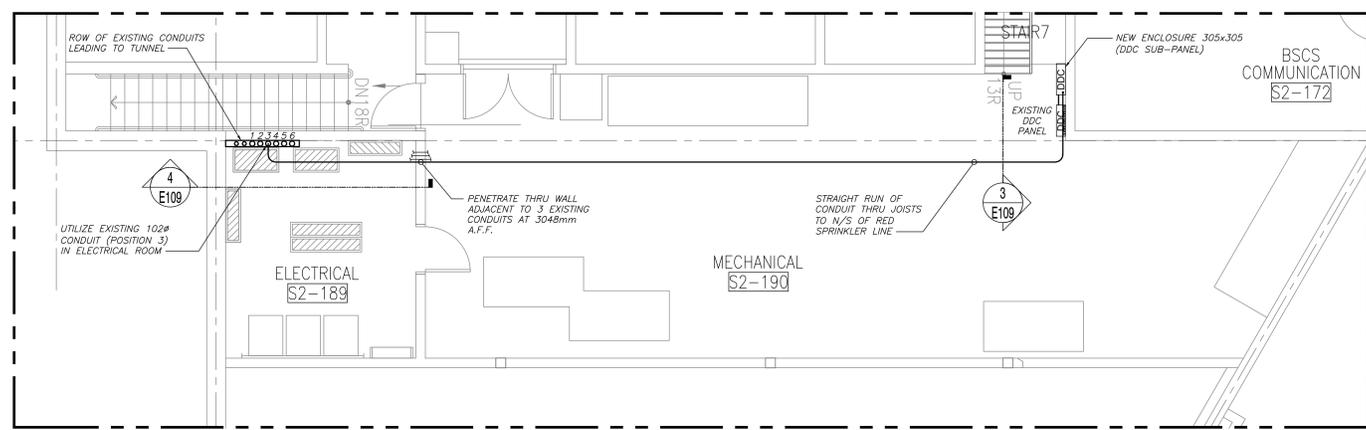
BOX TAG	SIZE (WxHxD)	INCOMING CONDUIT (SIZE & CONTENTS)	OUTGOING CONDUIT (SIZE & CONTENTS)	ELEV. (A.F.F.)
JB-N1	914x200x127	1020 CONDUIT w/ 2 FIBRE OPTIC CABLES	500 CONDUIT w/ 2 FIBRE OPTIC CABLES	610
JB-N2	914x200x127	500 CONDUIT w/ 2 FIBRE OPTIC CABLES	500 CONDUIT w/ 2 FIBRE OPTIC CABLES	1628
JB-N3	914x200x127	500 CONDUIT w/ 2 FIBRE OPTIC CABLES	500 CONDUIT w/ 2 FIBRE OPTIC CABLES	1067
JB-N4	914x200x127	500 CONDUIT w/ 2 FIBRE OPTIC CABLES	500 CONDUIT w/ 2 FIBRE OPTIC CABLES	=1829
JB-N5	914x200x127	500 CONDUIT w/ 2 FIBRE OPTIC CABLES	500 CONDUIT w/ 2 FIBRE OPTIC CABLES	=762
JB-N6	914x200x127	500 CONDUIT w/ 2 FIBRE OPTIC CABLES	500 CONDUIT w/ 2 FIBRE OPTIC CABLES	=914
JB-N7	914x200x127	500 CONDUIT w/ 2 FIBRE OPTIC CABLES	500 CONDUIT w/ 2 FIBRE OPTIC CABLES	=356

NOTE: "INCOMING" AND "OUTGOING" CONDUITS IN THIS SCHEDULE RELATE TO TRAVEL ALONG THE TUNNEL CONDUITS FROM JB-N1 TO JB-N7.

- CONSTRUCTION NOTES**
- INSTALL CONDUIT IN TUNNELS, MECHANICAL CHASES, AND BUILDINGS AS SHOWN.
 - PULL THREE CONTINUOUS SECTIONS OF FIBRE OPTIC CABLE TO CONNECT BETWEEN:
 - POWER HOUSE DDC PANEL AND WORKS BUILDING DDC PANEL
 - WORKS BUILDING DDC PANEL AND UNIT 6 DDC PANEL
 - UNIT 6 DDC PANEL AND POWERHOUSE DDC PANEL
 - INTEGRATE AND CONFIGURE THE WORKS BUILDING DDC SYSTEM AND UNIT 6 DDC SYSTEM INTO THE CENTRAL DDC SYSTEM
 - PROVIDE MEANS TO MANUALLY SWITCH NETWORK CONNECTIONS BETWEEN EACH OF THE TWO FIBRE OPTIC CABLES PULLED TO EACH LOCATION SO THAT EACH BUILDING HAS 2 POSSIBLE CONNECTIONS TO THE POWER HOUSE DDC PANEL
 - APPROXIMATE DISTANCE FROM DDC PANEL IN MECHANICAL ROOM IN UNIT 6 TO START OF CONDUIT IN ELECTRICAL ROOM IS 20 METERS
 - APPROXIMATE TOTAL DISTANCE THRU EXISTING CONDUITS FROM ELECTRICAL ROOM IN UNIT 6 TO BLOCK WALL IN TUNNEL IS 30 METERS
 - APPROXIMATE TOTAL DISTANCE THRU NEW CONDUITS FROM UNIT 6 BLOCK WALL IN TUNNEL TO EXISTING JB-D & EXISTING CONDUITS FROM JB-D TO POWER HOUSE IS 330 METERS.



1
E108
1:50
SMI - WORKS BUILDING MAIN FLOOR & TUNNEL K-8 LAYOUT - PARTIAL
SHEET REF. E107



2
E108
1:50
SMI - UNIT 6 ELECTRICAL & MECHANICAL ROOMS
SHEET REF. E107

Revision	Description	Date
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
ZHA
Drawn by
RTD
Approved by
KAS
PWGS Project Manager
TIM LODGE

Drawing Title
**UNIT 6 2ND FLOOR
ELECTRICAL & MECHANICAL ROOMS,
WORKS BUILDING & TUNNEL K-8
FLOOR PLAN - NEW**

Project no./No. du projet
R.043722.003
Drawing no./No. du dessin
E108
Revision no.
0
OF 13