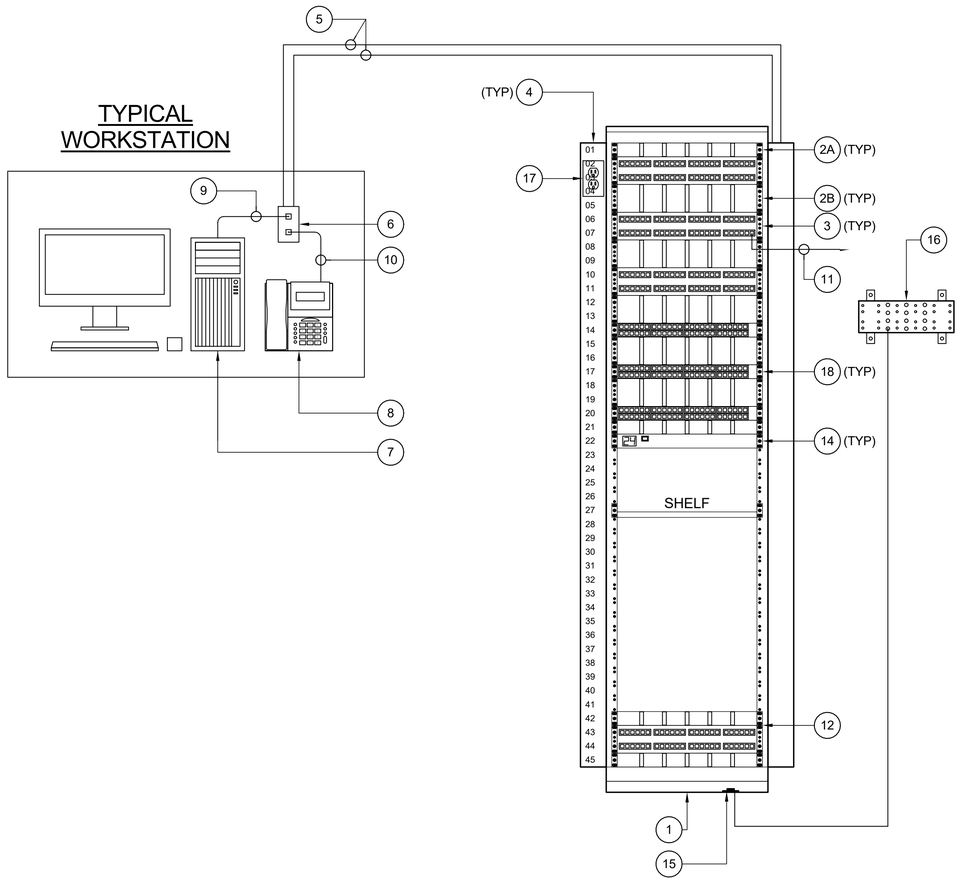
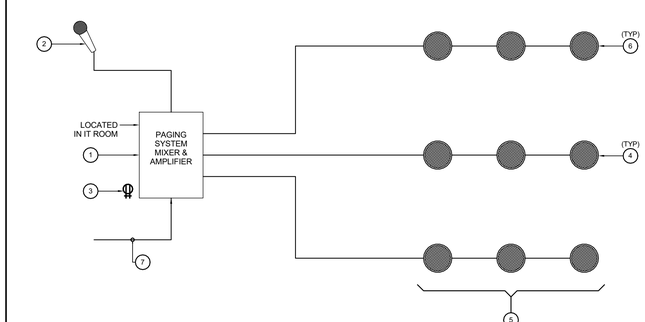


COMMUNICATIONS RISER DIAGRAM

EQUIPMENT LIST

1	45U 2135mm (84") 2-POST RELAY RACK
2A	1U HORIZONTAL WIRE MANAGEMENT
2B	2U HORIZONTAL WIRE MANAGEMENT
3	2U HORIZONTAL CABLING PATCH PANEL - 48 PORT
4	101mm (4") VERTICAL WIRE MANAGEMENT
5	WORKSTATION HORIZONTAL CABLING
6	COMMUNICATION OUTLET
7	COMPUTER - (NIC)
8	TELEPHONE - (NIC)
9	WORK AREA CORD - REFER TO SPECIFICATIONS
10	TELEPHONE LINE CORD - (NIC)
11	PATCH CORD - REFER TO SPECIFICATIONS
12	2U ANALOGUE PATCH PANEL - CAT 3, 48 PORT
13	CAT3 TO BIX FIELD - 2 x 25 PAIR
14	1U RACK MOUNTED METERED PDU C/W 5-20R RCPT
15	GROUND LUG C/W MINIMUM #6 AWG GREEN GROUND TO TGB
16	TELECOMMUNICATION GROUNDING BUSS BAR (TGB). GROUND BUSS TO EIA/TIA607. 6mm (1/4") THICK BY 101mm (4") WIDE, MOUNTED ON STANDOFF INSULATORS C/W MINIMUM #3/0 AWG TO MAIN BUILDING GROUND
17	120V, NEMA 5-20R RCPT ON DEDICATED CIRCUIT MOUNTED TO REAR OF RACK.
18	NETWORK SWITCH - (NIC)



PAGING SYSTEM EQUIPMENT LIST

ITEM NO.	DESCRIPTION
1	8-CHANNEL MIXER AMPLIFIER TOA A-912MK2-120W C/W P-240 SERIES AMPLIFIER AND FOLLOWING MODULES: I. M-01 MICROPHONE INPUT II. S-03 GONG TONE GENERATOR III. U-01 UNBALANCED LINE INPUT
2	DESKTOP PAGING MICROPHONE TOA PM-660U
3	POWER RECEPTACLE ON DEDICATED UPS CIRCUIT
4	PAGING SPEAKER - RECESSED FLUSH STYLE (WHERE INSTALLED SUSPENDED CEILINGS) OR SURFACE MOUNTED COMPLETE WITH BACKBOX
5	ALL SPEAKERS ARE ON SINGLE PAGING ZONE. MAIN FLOOR, 2ND FLOOR AND APPARATUS BAYS SPEAKERS WIRED SEPARATELY AND INTERCONNECTED AS REQUIRED AT EQUIPMENT HEAD END.
6	APPARATUS BAYS SPEAKERS - HORN STYLE, WET LOCATION RATED
7	RCA AUDIO INPUT FOR AUXILIARY SOURCE. (AUXILIARY SOURCE BY OWNER)

GENERAL NOTES

- RISER DIAGRAM BASED ON TOA SYSTEM.
- ALL WIRING SHALL BE RUN IN CONDUIT UNLESS NOTED OTHERWISE. UTILIZE J-HOOKS IN ACCESSIBLE CEILING SPACE ONLY.
- ALL WIRING SHALL BE FT6 OR FT4 IN CONDUIT.
- REFER TO FLOOR PLANS FOR LOCATION OF DEVICES AND EQUIPMENT.

PAGING SYSTEM RISER

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ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
Epp Siepman Engineering Inc.
No. 4035

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NO.	DATE	REVISION / ISSUANCE
0	2023-02-03	ISSUED FOR CONSTRUCTION

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Project
WFPS STATION 9

1083 AUTUMNWOOD DRIVE

Sheet Title
ELECTRICAL DIAGRAMS

Project No. 22028

Sheet E5.3

CIBINEL - Arch D - 24" X 36"