

EMERGENCY CALL SYSTEM EQUIPMENT LIST	
ITEM NO.	DESCRIPTION
1	1 DOME LIGHT C/W BUILT-IN BUZZER/HORN C/W TRANSLUCENT WHITE PLASTIC COVER MOUNTED ON WHITE ABS FLAME RETARDANT PLASTIC PANEL.
2	120VAC/12-24VDC LOW VOLTAGE TRANSFORMER
3	PULL CORD STATION C/W WHITE ABS FLAME RETARDANT PLASTIC HOUSING C/W "EMERGENCY" IN BLACK LETTERS C/W RED "CALL PLACED" INDICATOR
4	ONE (1) 2C-18AWG FT6/FT4 WIRING IN CONDUIT

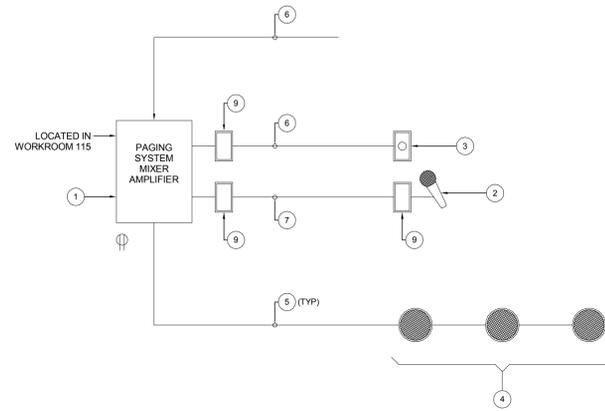
GENERAL NOTES

- EMERGENCY CALL SYSTEM SHALL BE EQUAL TO ALPHA COMMUNICATIONS MODEL# EK117B.
- CONFIRM ALL REQUIREMENTS AND WIRING TYPES WITH SYSTEM VENDOR PRIOR TO INSTALLATION.

KEY NOTES

- LOW VOLTAGE TRANSFORMER SHALL BE MOUNTED IN ACCESSIBLE CEILING SPACE NEAR WASHROOM DOOR. CONFIRM LOCATION ON SITE.

2 EMERGENCY CALL SYSTEM RISER DIAGRAM
E5.2 SCALE: NTS



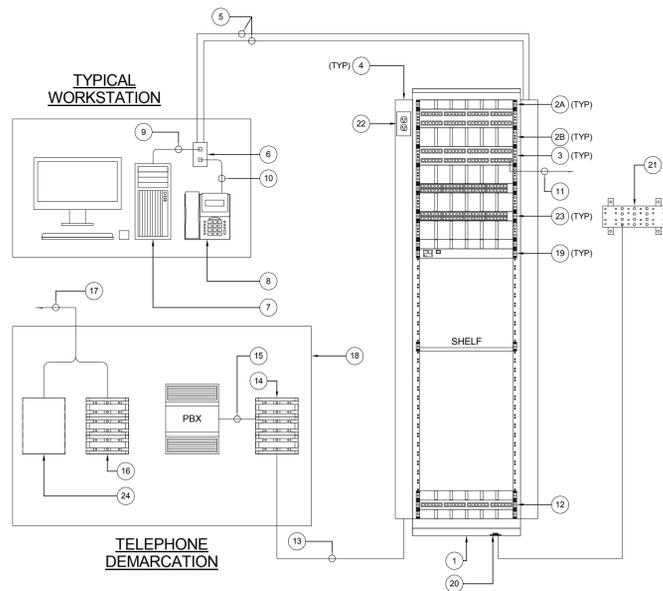
PAGING SYSTEM EQUIPMENT LIST	
ITEM NO.	DESCRIPTION
1	PAGING SYSTEM MIXER/AMPLIFIER
2	DESK MOUNTED PAGING MICROPHONE
3	REMOTE VOLUME CONTROL
4	PAGING SPEAKER
5	2/C #18AWG FT6/FT4 IN CONDUIT
6	3/C #18AWG FT6/FT4 IN CONDUIT
7	3/C #22AWG-SHIELDED FT6/FT4 IN CONDUIT
8	INPUT FROM AUDIO/MUSIC EQUIPMENT (NIC)
9	WALL INPUT/OUTPUT PATCH PLATE

PAGING SYSTEM ZONE LISTING	
ZONE	LOCATION
Z01	ALL CALL
Z02	MULTI-PURPOSE 102

1 PAGING SYSTEM RISER DIAGRAM
E5.2 SCALE: NTS

GENERAL NOTES

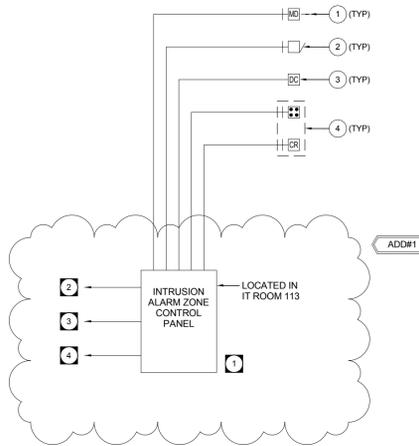
- ALL WIRING SHALL BE INSTALLED WITHOUT JOINTS OR SPLICES FROM DEVICE TO DEVICE, OR TO THE HEAD-END EQUIPMENT.
- FINISHES OF ALL SPEAKERS SHALL BE WHITE.
- ALL EXPOSED WIRING SHALL BE WIRE IN CONDUIT.
- PROVIDE PATCH CABLES AS REQUIRED. MINIMUM LENGTH SHALL BE 1825mm(6'-0").



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	1U ANALOGUE PATCH PANEL - CAT 3, 24 PORT
13	CAT3 TO BIX FIELD - 1 x 25 PAIR
14	PBX OUTPUT - BIX WALL MOUNTED
15	CROSS CONNECT TO PBX - (NIC)
16	TELECOMMUNICATION SUPPLIER DEMARC - (NIC)
17	TELECOMMUNICATION BUILDING ENTRANCE CONDUIT
18	1200mm x 1200mm x 19mm (4'-0" x 4'-0" x 3/4") G1S PLYWOOD BACKBOARD. PAINT TO MATCH ROOM
19	1U RACK MOUNTED METERED PDU C/W 5-20R RCPT
20	GROUND LUG C/W MINIMUM #6 AWG GREEN GROUND TO TGB
21	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
22	120V, NEMA 5-20R RCPT ON DEDICATED CIRCUIT MOUNTED TO REAR OF RACK.
23	NETWORK SWITCH - (NIC)
24	TELECOMMUNICATION SUPPLIER FIBRE DEMARC - (NIC)

4 COMMUNICATIONS RISER DIAGRAM
E5.2 SCALE: NTS

INTRUSION ALARM EQUIPMENT LIST	
1	MOTION DETECTOR
2	ALARM AUDIBLE NOTIFICATION DEVICE
3	DOOR CONTACT
4	ARMING STATION



3 INTRUSION ALARM RISER DIAGRAM
E5.2 SCALE: NTS

INTRUSION ALARM ZONE LISTING		
ZONE	LOCATION	DEVICE
DC1	MAIN LIBRARY 101 - SW EXTERIOR DOOR	DOOR CONTACT
DC2	VESTIBULE 100 - EXTERIOR DOOR	DOOR CONTACTS
DC3	VESTIBULE 100 - INTERIOR DOOR	DOOR CONTACTS
DC4	MECH/ELECT 117 - EXTERIOR DOOR	DOOR CONTACT
WC1	WORKROOM 115 - OPERABLE WINDOWS	WINDOW CONTACT
MD1	MAIN LIBRARY 101 - #01	MOTION DETECTOR
MD2	MAIN LIBRARY 101 - #02	MOTION DETECTOR
MD3	MAIN LIBRARY 101 - #03	MOTION DETECTOR
MD4	MAIN LIBRARY 101 - #04	MOTION DETECTOR
MD5	MULTI-PURPOSE 102	MOTION DETECTOR
MD6	VESTIBULE 100	MOTION DETECTOR
MD7	WORKROOM 115	MOTION DETECTOR
MD8	STAFFROOM 116	MOTION DETECTOR
MD9	M & E ROOM 117	MOTION DETECTOR
HW1	SUMP PUMPS (P-3, P-4) DUPLEX CONTROLLER OUTPUT	HIGH WATER
BF1	BOILER B-1 ALARM SENSOR BOILER CONTROL PANEL OUTPUT	FAILURE
BF2	BOILER B-2 ALARM SENSOR BOILER CONTROL PANEL OUTPUT	FAILURE

GENERAL NOTES

- INTRUSION ALARM SYSTEM SHALL BE BASED ON BOSCH B SERIES INTRUSION SYSTEM.
- ALL WIRING SHALL BE RUN IN CONDUIT UNLESS NOTED OTHERWISE. UTILIZE J-HOOKS IN ACCESSIBLE CEILING SPACE ONLY.
- DAISY CHAINING OF DEVICES NOT PERMITTED. ALL DEVICES SHALL BE HOME RUN TO THE HEAD END LOCATION.
- ALL WIRING SHALL BE FT6/FT4 IN CONDUIT.
- MONITORING OF INTRUSION ALARM SYSTEM SHALL BE DONE BY MUNICIPAL ACCOMMODATIONS LOCATED AT CITY HALL CENTRAL CONTROL OFFICE.

KEY NOTES

- INTRUSION SYSTEM SHALL BE PROGRAMMED/PARTITIONED SUCH THAT M & E 117 CAN BE ARMED/DISARMED INDEPENDENT OF THE REMAINING BUILDING.
- PROVIDE AN OUTPUT (DRY CONTACT) TO LIGHTING CONTROL RELAYS TO OVERRIDE-OFF LIGHTING WITHIN MAIN LIBRARY 101 ONLY.
- PROVIDE A NETWORK OUTPUT TO THE LAN FOR CONNECTION AND MONITORING THROUGH CITY HALL CENTRAL CONTROL OFFICE.
- PROVIDE A NETWORK OUTPUT TO THE LAN FOR CONNECTION AND MONITORING THROUGH CITY OF WINNIPEG BAS JOHNSON METASYS SYSTEM.

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revision

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PROJECT
Windsor Park Library
ADDRESS
1201 Archibald Street

DATE
April 20, 2016

SCALE
12" = 1'-0"

miscellaneous
riser diagrams
E5.2