GENERAL POWER & AUXILIARY NOTES:

A. REFER TO DRAWING E001 FOR ELECTRICAL SYMBOL LEGEND.

B. REFER TO DRAWING E301 / E302 FOR SINGLE LINE DISTRIBUTION DIAGRAM, E304 / E305 FOR PANEL SCHEDULES, AND E306 FOR MOTOR CONTROL SCHEDULES.

C. REFER TO DRAWING E303 FOR FIRE ALARM, SOUND SYSTEM, AND E302 FOR TELECOMMUNICATION DIAGRAM.

D. ELECTRICAL CONTRACTOR TO UPDATE ELECTRICAL DRAWINGS CIRCUITRY AT RECORD DRAWING STAGE.

E. REFER TO ARCHITECTS DRAWINGS AND ELEVATIONS FOR COORDINATION OF ALL MOUNTING HEIGHTS AND LOCATIONS OF DEVICES LOCATED IN MILLWORK.

F. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATIONS AND REQUIREMENTS FOR MOTOR LOADS PRIOR TO INSTALLATION OF REQUIRED ELECTRICAL PROVISIONS.

G. ALL CONDUITS TO BE CONCEALED IN FINISHED SPACES (IN SLAB, CEILING SPACE, WITHIN WALLS ETC.) WHERE POSSIBLE. WHERE IT IS NECESSARY TO RUN EXPOSED CONDUIT, CONDUIT TO BE HIDDEN FROM THE PUBLIC'S VIEW. RUN EXPOSED CONDUIT IN THE FLUTES OF METAL DECK, ABOVE BEAMS, AND OTHER STRUCTURAL MEMBERS.

H. COORDINATE EXACT MOUNTING LOCATIONS OF ALL MECHANICAL EQUIPMENT CONTROL MODULES (IE: VFD'S, THERMOSTATS, MANUAL MOTOR STARTERS, CONTROL PANELS, ETC.) WITH MECHANICAL PRIOR TO ROUGH-INS.

I. CONFIRM LOCATIONS OF ALL AUDIO INPUT PANELS WITH OWNER PRIOR TO ROUGH INS.

J. WALL MOUNTED TELECOM OUTLETS TO CONSIST OF DOUBLE GANG DEEP BOX WITH SINGLE GANG RECEIVING RING AND CONDUIT STUBBED INTO CEILING SPACE.

K. DATA AND VOICE CABLING ARE TO BE ROUTED TO HEADEND TELECOM ROOM. REFER TO DRAWING E002 FOR COMMUNICATIONS INFRASTRUCTURE RISER DIAGRAM.

L. ALL LOW TENSION CABLING IS TO BE RUN IN FREE AIR MODEL IN CEILING SPACE, WHERE IT IS NOT POSSIBLE TO RUN CABLES HIDDEN IN CEILING SPACE, ENCLOSURES TO RUN CABLES IN SHALL BE PVC GENERAL NOTE. PROVIDE CONDUIT STUBS THROUGH WALLS FOR EXTERIOR DEVICES.

M. CONDUIT FILL FOR COMMUNICATION CONDUCTORS TO BE 1-3 CABLES USE 19mmC, 4-6 CABLES USE 25mmC, 7-10 CABLES USE 32mmC. DO NOT EXCEED 32mmC UNLESS NOTED OTHERWISE.

N. ELECTRICAL CONTRACTOR TO INCLUDE FOR CONDUIT, 45-55 CT. BOXES TO MAG DOOR CONTROL PANEL, SYSTEM SWITCHES, SECURITY LATCHES AND CARD READERS ON CONTROLLED DOORS. ALLOW FOR 32mm CONDUIT BETWEEN EACH DOOR CONTROL POINT, IN FOLLOW, ALL DOOR CONTROL POINTS SHALL HAVE FINAL POWER CONNECTIONS FROM LOW VOLTAGE CONTROL TO CONTROL PANEL IN SERVER ROOM 1008. ALL WIRING AND DEVICES EXCEPT LINE VOLTAGE CONNECTION ARE PART OF DOOR ACCESS CONTROL CREW FLOWWORK.

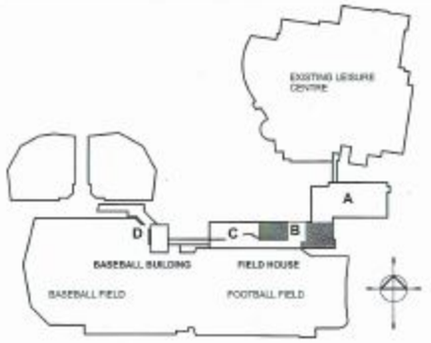
O. PROVIDE LINE ISOLATION MODULES OF FIRE ALARM ZONE WHERE WIRED TWO WAYS AND JUST A PORTION OF HORIZONTAL RISER SERVICES ARE REQUIRED. REVIEW THE EXACT REQUIRED AND LOCATIONS OF MODULES WITH OWNERS PRIOR TO CONDUIT ROUGHING.

P. PROVIDE AND INSTALL CABLE TRAY AROUND PERIMETER OF ALL TECH ROOMS AT +2800 A.F.F.

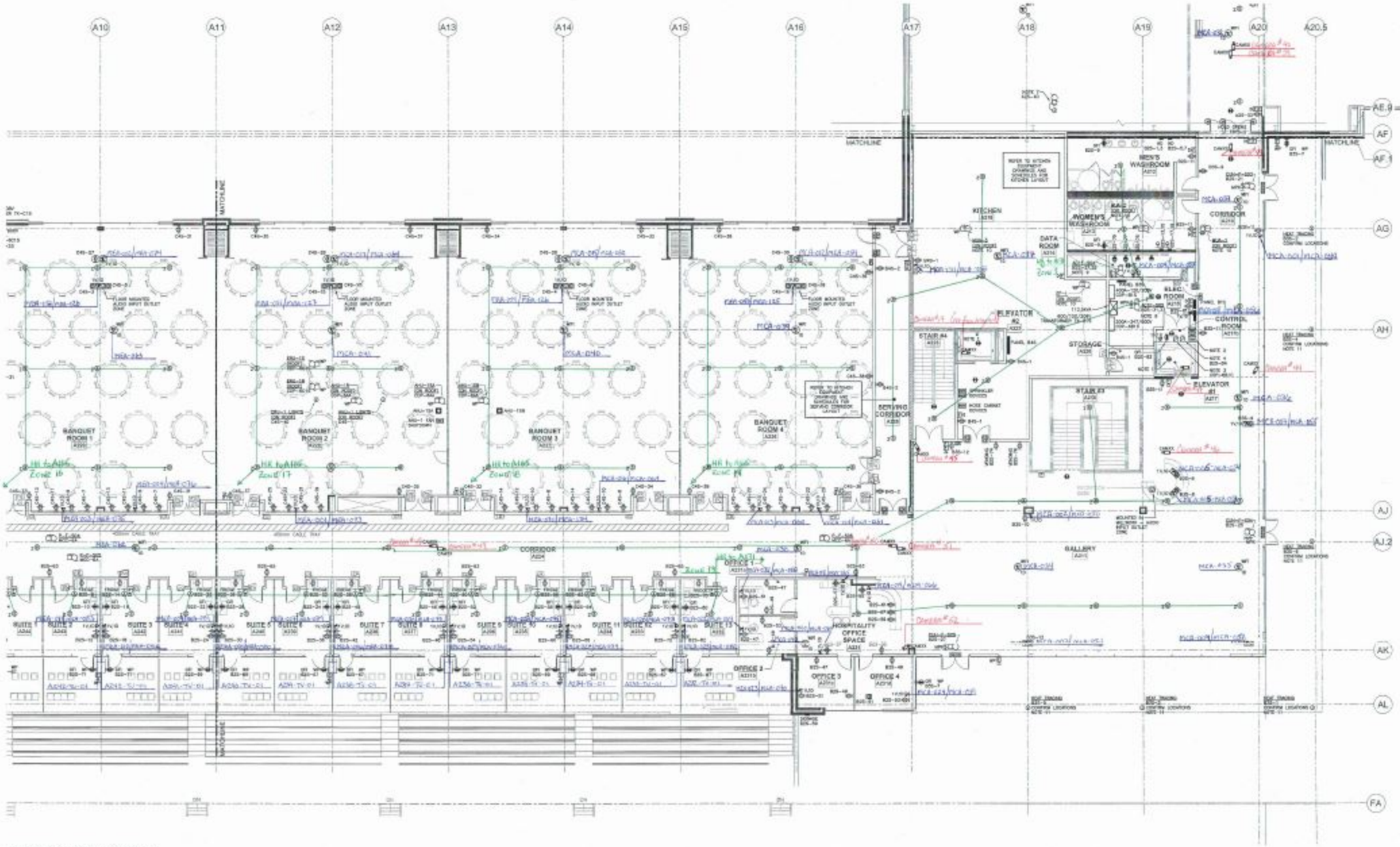
Q. AUTODOOR LOCATIONS TO BE PROVIDED WITH POWER AT DOOR HEADER AND CONDUIT AND WIRE TO PUSHBUTTON PADDLE LOCATIONS FOR CODE OPERATIONS. REFER TO ARCHITECTURES SHEET FOR SPRINKABLE DOOR AND CONTROL LOCATIONS.

FIELDHOUSE SUITE LEVEL POWER & AUXILIARY NOTES:

1. MOUNTED AT TOP OF ELEVATOR SHAFT.
2. PROVIDE FIRE ALARM CONTROL MODULES TO ELEVATOR CONTROLS FOR ELEVATOR HOMING (CONCOURSE LEVEL), ALTERNATE ELEVATOR HOMING (EVENT LEVEL), AND FIREFIGHTER ELEVATOR DISCONNECT.
3. ELEVATOR MACHINE FUSED DISCONNECT SWITCH. 3PH,60A,600V,3A. PROVIDE CONNECTION TO ELEVATOR CONTROLLER LOCATED IN ELEVATOR CONTROL ROOM.
4. DHE LOWER, 1PH 15A FUSED DISCONNECT SWITCH.
5. PROVIDE FIRE ALARM CONTROL AND MONITOR MODULES SO THAT THE FIRE ALARM CONTROL PANEL FOR THE EXISTING RECREATION CENTRE (EXACT) RECEIVES FIRE ALARM INFORMATION TO/FROM THE NEW MPEC FIRE ALARM CONTROL PANEL AND VICE VERSA.
6. MOTORIZED, 120V. REFER TO DETAILED ARCHITECTURAL GRA ELEVATIONS FOR EXACT LOCATION AND MOUNTING HEIGHTS.
7. ACTORED (AUDIO)WIRE, (22G, 1X, WIRE MANUFACTURER SUPPLIED UP/DN/STOP CONTROL STATION IN ELECTRICAL T-CABINET (ONE EA AT NORTHWEST (N RANGE OF BANKET HALL).
8. VIDEO CONFERENCE EQUIPMENT (VCE) C/W A DEDICATED CIRCUIT AND 4 DATA OUTLETS.
9. SPLIT COOLING UNIT – FAN COIL INSIDE WITH CONDENSING UNIT OUTSIDE. CONFIRM CONDENSING UNIT LOCATION.
10. PART OF CONCESSION POUP – FOR INFORMATION PURPOSES ONLY.
11. PROVIDE AND INSTALL 208V, 1Ø SELF REGULATING HEAT TRACE ON ROOF DRAINS, OVERFLOWS, PIPING AND DOWNSPOUT TO MAKE, PROVIDE ALL NOTICEABLY SHOP MTG AND CONNECTIONS FOR A COMPLETE INSTALLATION. PROVIDE A 2-POLE RELAY FOR EXISTING MANAGEMENT SYSTEM CONTROL OF HEAT TRACE FOR WINTER/SUMMER OPERATION. INSTALL RELAYS IN NEMA 1 ENCLOSURE ADJACENT TO THE CORRESPONDING POWER PANEL.



Notes
① Data Lines for Dick at the top of Stair #3 are coiled above the ceiling.
② Au Banquet Halls
- Data Lines for projectors are coiled above the ceiling.
③ All speakers in Suites at Through Volume controls first 3 then to speaker This is Zone 15.



FIELDHOUSE SUITE LEVEL - B
POWER & AUXILIARY LAYOUT

SCALE 1:100

SPP (SHELL PLACE PROJECT)
151 MACDONALD DRIVE, FORT McMURRAY, ALBERTA
APRIL 30, 2013 - ISSUED FOR CONSTRUCTION - REVISION 1

AECOM

Architecture Arndt Talcic Berger

RTA

E203b

FIELDHOUSE - SUITE LEVEL - SECTOR B
POWER & AUXILIARY LAYOUT

ARCHITECTURE INTERIOR DESIGN URBAN PLANNING