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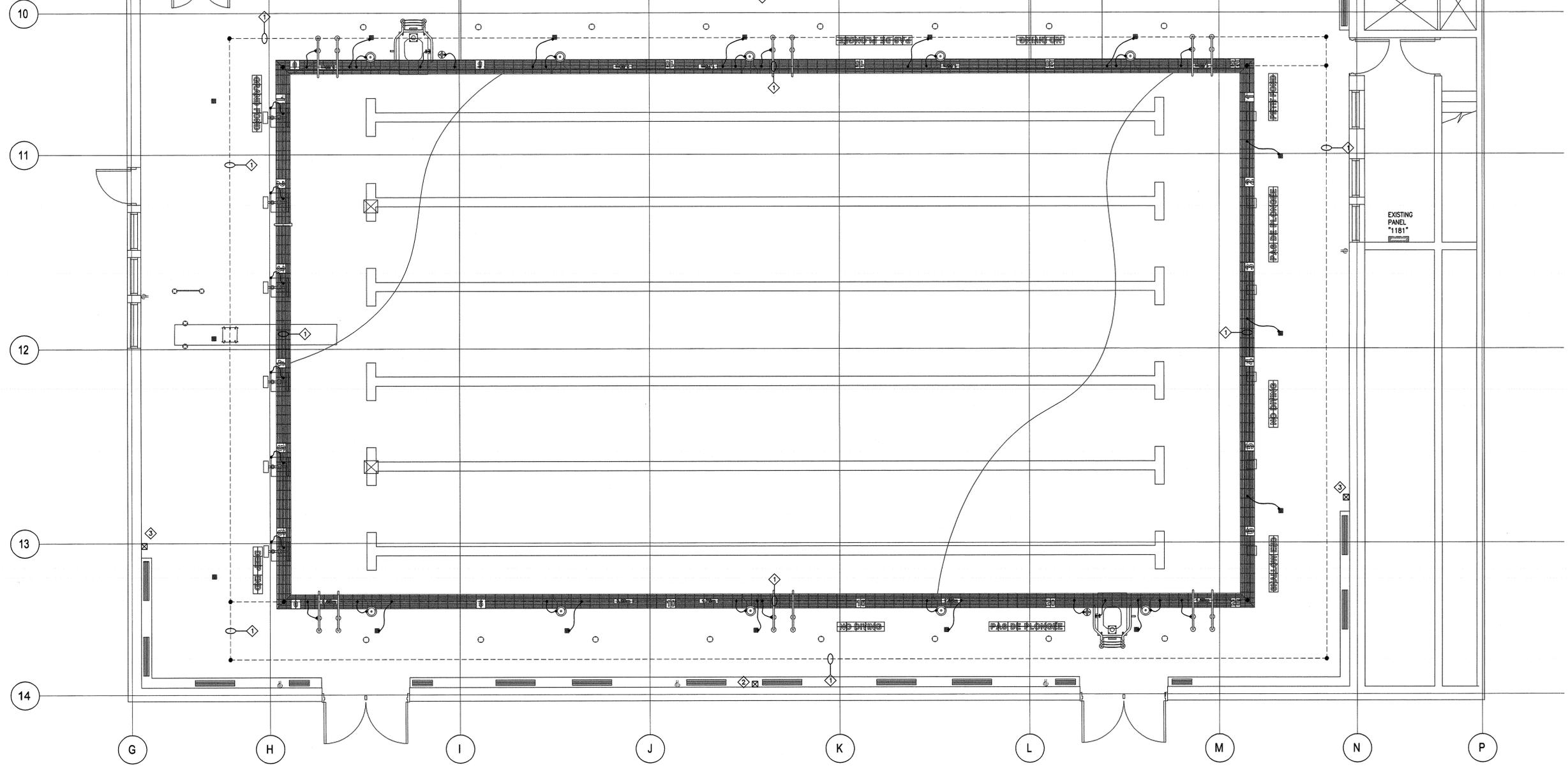


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revisions		date

POOL RENOVATION PROJECT
 CANADIAN COAST GUARD COLLEGE
 SYDNEY, NOVA SCOTIA

ELECTRICAL POOL GROUNDING POWER (SCOREBOARD)

designed	CLB	conçu
date	JAN 18, 2017	
drawn	KT	dessiné
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date		
Tender		Submission
PWOSC Project Manager	Administrateur de projets TPSOC	
project number		no. du projet
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drawing no.		no. du dessin
	E-2	



GENERAL NOTES
 1. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF ALL DEVICES TO BE GROUNDED.

ELECTRICAL NOTES
 INDICATED BY THE ◊ SYMBOL ON THE DRAWINGS. (I.E. ◊ INDICATES NOTE 1)
 NOTE 1: APPROXIMATE LAYOUT OF EXISTING POOL GROUNDING GRID, LOCATED BELOW POOL LEVEL IN CRAWL SPACE BELOW DECK ("POOL TUNNEL, PO01"). EXISTING CONDUCTIVE MATERIALS SUCH AS FLOOR DRAINS, SCUPPERS & LADDERS HAVE EXISTING GROUNDING CONNECTIONS; RE-USE EXISTING GROUNDING CONNECTIONS TO GRID IF CONDUCTIVITY IS ACCEPTABLE. FOR ANY NEW CONNECTIONS, CONTRACTOR IS TO SUPPLY NEW GROUND WIRE AND CONNECTORS; SUPPLY AND INSTALL #6 CU GROUND FOR EACH NEW CONNECTION.
 NOTE 2: DISCONNECT EXISTING WALL MOUNTED SCOREBOARD UNIT. RECONNECT NEW SCOREBOARD UNIT. REUSE EXISTING 120V CONNECTION. SUPPLY EITHER HARD WIRE CONNECTION OR NEW 120V RECEPTACLE. CONFIRM REQUIREMENTS WITH MANUFACTURER.
 NOTE 3: DISCONNECT EXISTING SHOT CLOCKS. CAP EXISTING WIRE FOR RE-USE. SUPPLY NEW SURFACE MOUNTED JUNCTION BOX WITH COVER FOR FUTURE CONNECTION.
 NOTE 4: SUPPLY AND INSTALL 1PR #22 AWG SHIELDED CABLE IN 3/4 INCH EMT COPINGOUT FROM SCOREBOARD LOCATION TO CONTROL CONSOLE LOCATION. SUPPLY NEW SURFACE MOUNTED DEVICE BOX. COVERPLATE C/W CONNECTOR AND CONNECTION TO CONSOLE TO BE SUPPLIED BY SCOREBOARD MANUFACTURER.

POWER/GROUNDING LAYOUT
 SCALE: 1:50



ELECTRICAL LEGEND
 BRANCH CIRCUIT FEEDER RUN CONCEALED IN CEILING AND WALLS, #12AWG MINIMUM. NUMBER OF SOLID STROKES INDICATES QUANTITY OF POWER CONDUCTORS. DASHED STROKES INDICATE SPECIAL GROUNDING CONDUCTORS WHERE REQUIRED. SEE ELECTRICAL SPECIFICATIONS FOR WIRING METHODS AND CONDUCTOR SIZES.
 --- EXISTING #6 CU GROUNDING SYSTEM LOCATED BELOW DECK LEVEL. EXISTING WIRING IS EXPOSED IN CRAWL SPACE BELOW.
 #6 CU GROUNDING CONNECTION TO EXISTING GROUND SYSTEM. SUPPLY ALL COMPONENTS REQUIRED TO CONNECT METAL PARTS OF EQUIPMENT ON POOL DECK TO EXISTING GROUND GRID.
 3180-2 LED HIGH-BAY FIXTURE ON CIRCUIT "2" FROM PANEL "3180". FIXTURE CONTROLLED FROM LOW VOLTAGE SWITCH "b". FIXTURE TYPE "1" AS PER LUMINAIRE LEGEND.
 1181-2 LED IN-POOL LIGHTING FIXTURE WITH SYMBOL INTERPRETATION AS ABOVE.
 THREE-GANG TOGGLE SWITCH, FLUSH WALL MOUNTED 46" A.F.F., UNLESS INDICATED OTHERWISE. VOLTAGE RATING OF SWITCHES SHALL BE AS INDICATED BY THE CIRCUIT DESCRIPTION.
 JUNCTION BOX OR DIRECT CONNECTION OF EQUIPMENT AS INDICATED ON THE DRAWINGS.
 120/208V AND 347/600V PANELS RESPECTIVELY
 EXISTING 120V DUPLEX RECEPTACLE, C/W HINGED COVERPLATE.
DEFINITIONS:
 A.F.F. - ABOVE THE FINISHED FLOOR
 GFCI - GROUND FAULT CIRCUIT INTERRUPTER