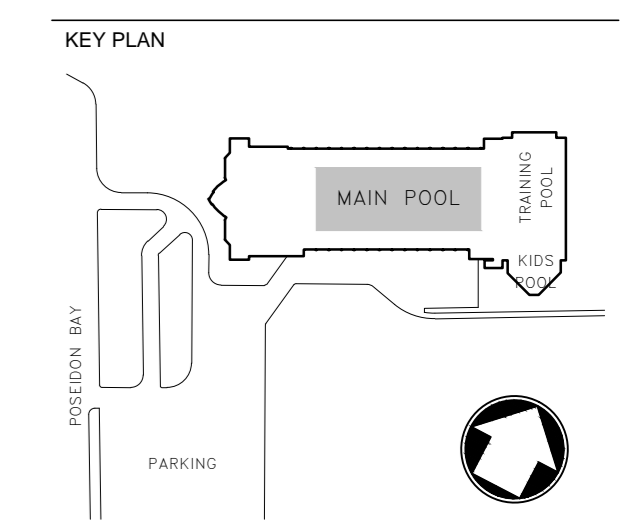




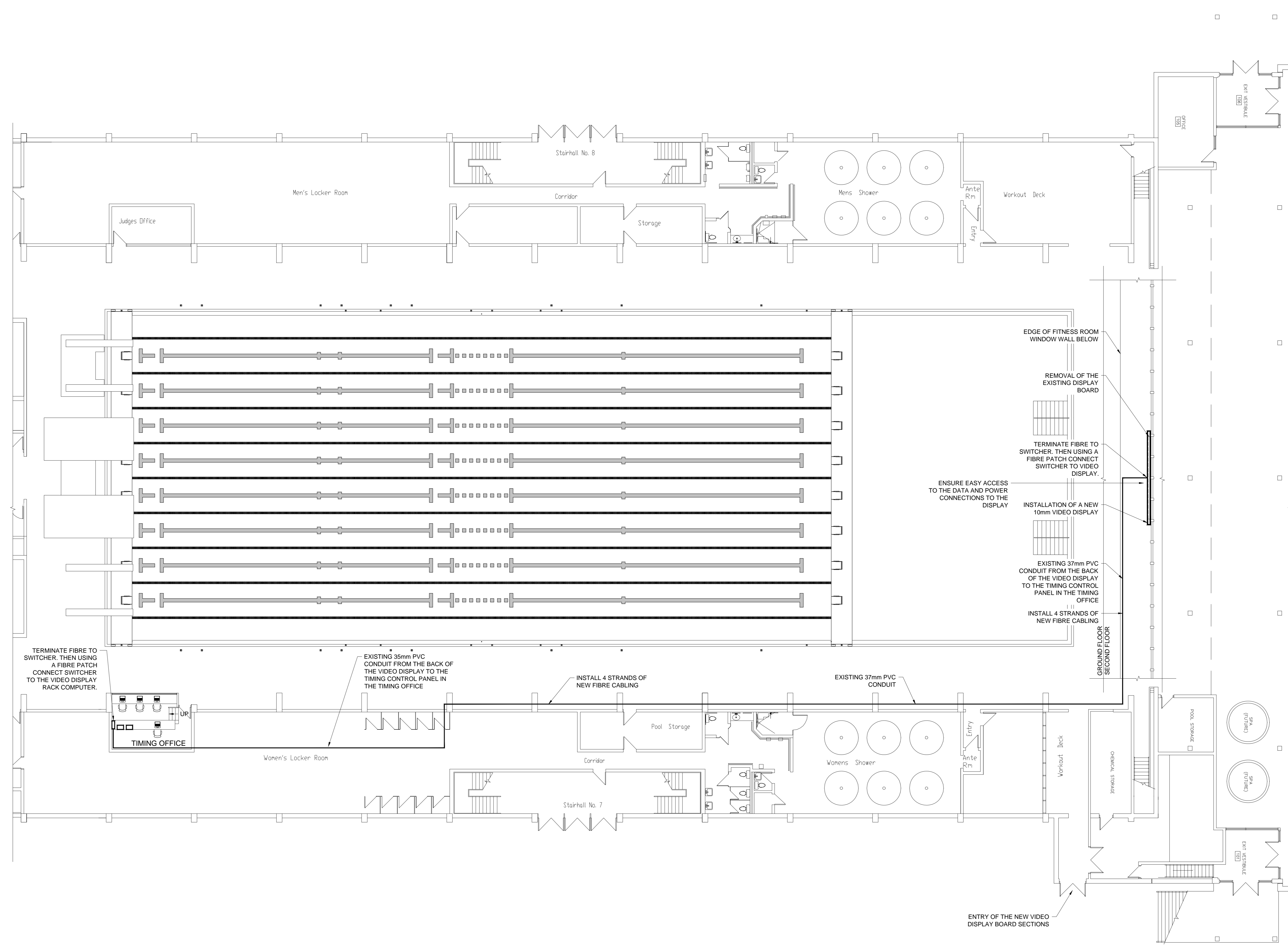
THIS DRAWING IS NOT TO BE SCALED.
 REFER TO APPROPRIATE SAFETY, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND ETC. CONTRACT DOCUMENTATION FOR ALL APPLICABLE CODES AND REQUIREMENTS OF AUTHORIZED JURISDICTION.
 CONSTRUCTION MUST CONFORM TO ALL APPLICABLE CODES AND REQUIREMENTS OF AUTHORIZED JURISDICTION.
 THE CONTRACTOR SHALL VERIFY AND ACCEPT RESPONSIBILITY FOR ALL DIMENSIONS AND LOCATIONS OF THE SITE AND SHALL NOTIFY THE APPROPRIATE CONTRACT ADMINISTRATOR OF ANY VARIATIONS FROM THE SUPPLIER INFORMATION.
 THE DRAWING, AS AN INSTRUMENT OF SERVICE, IS PROVIDED BY ME AS THE PROPERTY OF THE CITY OF WINNIPEG.
 THE CONTRACTOR SHALL VERIFY AND ACCEPT RESPONSIBILITY FOR ALL DIMENSIONS AND LOCATIONS OF THE SITE AND SHALL NOTIFY THE APPROPRIATE CONTRACT ADMINISTRATOR OF ANY VARIATIONS FROM THE SUPPLIER INFORMATION.



SEAL

TRUE NORTH CONSTRUCTION NORTH

REVISIONS	No.	DATE	DESCRIPTION



10mm VIDEO DISPLAY - POOL PLAN 1/125 (AQ100)

GENERAL NOTES:

- COORDINATION - COORDINATE THE REMOVAL OF THE EXISTING DISPLAY AND INSTALLATION OF NEW WITH THE FACILITY STAFF AROUND PROGRAMS AND ACTIVITIES. A SCHEDULE TO COMPLETION DETAILING WHEN THE WORK IS TO BE COMPLETED MUST BE SUBMITTED FOR APPROVAL PRIOR TO WORK COMMENCING.
- EXISTING FACILITY - WILL BE IN OPERATION THROUGHOUT. DO NOT INTERRUPT EXISTING SERVICES, FACILITIES AND ACTIVITIES AT THE COMPLEX. EXCEPT FOR AUTHORIZED AND SCHEDULED INTERRUPTIONS OF SERVICES ACCEPTABLE TO THE CITY OF WINNIPEG. OBTAIN WRITTEN PERMISSION OF CITY OF WINNIPEG AT LEAST 3 WORKING DAYS IN ADVANCE OF ANY SHUTDOWN REQUIRED FOR TIE-IN OF NEW CONSTRUCTION SYSTEMS. WRITTEN REQUESTS FOR SHUTDOWN PERMISSION SHALL CLEARLY IDENTIFY EXACT EXTENT OF SYSTEMS AFFECTED, TIME AND DURATION.
- SITE PROTECTION - PROTECT ALL AREAS OF THE FACILITY THAT COULD BE AFFECTED BY SCOPE OF WORK, INCLUDING, BUT NOT LIMITED TO, THE POOL DECK, SHELL, STAIRWELLS, DOORS, WALLS, ROOF, FINISHES, ETC., FROM POTENTIAL DAMAGE.
- ENSURE THE FITNESS CLUB AREA BELOW THE DISPLAY IS PROTECTED AND NOT USED TO SUPPORT THE SCAFFOLDING. ENSURE THE PROTECTION WILL STOP ANY POTENTIALLY DROPPED TOOLS AND PARTS FROM GOING THROUGH THE CEILING.
- POST ADEQUATE WARNING SIGNAGE PROMINENTLY DISPLAYING WARNING OF THE ILLEGALITY AND DANGER OF UNAUTHORIZED TRESPASSING INTO THE PARTS OF THE PLACE OF WORK UNDER CONSTRUCTION.
- EXCLUDE NON-CONSTRUCTION PERSONNEL AND PUBLIC FROM PARTS OF THE PLACE OF WORK UNDER CONSTRUCTION.
- WORK AREA - THE CONTRACTOR SHALL WORK WITH THE CONTRACT ADMINISTRATOR AND CITY OF WINNIPEG DURING THE DESIGN PROCESS TO DEFINE THE LOCATION AND SIZE OF THE WORK AREA.
- TAKE CARE NOT TO DAMAGE THE EXISTING DISPLAY DURING THE REMOVAL. ONCE REMOVED TURN THE DISPLAY OVER TO THE CITY OF WINNIPEG.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE REMOVAL OF THE EXISTING BOARD AND DISPOSAL FROM THE LOCATION AS WELL AS ANY COSTS ASSOCIATED WITH ENSURING THAT THE POOL, SHELL AND DECK AND ALL OTHER AREAS OF THE FACILITY ARE PROTECTED DURING THIS PROCESS.

SUMMARY OF THE SCOPE OF WORK:

- STAGING THE WORK AREA - THIS SECTION PROVIDES FURTHER DETAILS ON THE WORK AND STAGING AREA PROVIDE A PLAN LAYOUT OF THE WORK AREA REQUIRED FOR THE INSTALLATION OF THE VIDEO DISPLAY. LAYOUT ALSO TO INCLUDE STAGING AREA FOR BRINGING THE VIDEO DISPLAY, SCAFFOLDING, LIFTING DEVICES, ETC. INTO THE BUILDING.
- REMOVAL OF THE EXISTING DISPLAY - THIS AREA COVERS THE REMOVAL OF THE EXISTING DISPLAY. INCLUDES DETAILS ON THE DISCONNECTING OF THE MODULES WIRING, MODULE, THE REMOVAL OF THE EXISTING TEXT SIGN AND ITS REINSTALLATION. TO THEN MOVE THE DISPLAY BOARD INTO AN AREA OF THE FACILITY IDENTIFIED BY THE CITY OF WINNIPEG.
- INSTALLATION OF NEW VIDEO DISPLAY - THIS AREA COVERS THE ANCHORING OF THE DISPLAY BOARD TO THE EXISTING WALL. ALSO COVERS THE DATA AND POWER TERMINATIONS AT THE BOARD. THE FIBRE LINE PULL FROM THE DISPLAY TO THE TIMING ROOM, SWITCHERS AND PATCHES ARE ALL DETAILED IN THIS AREA.
- FRONT END OF DISPLAY - THIS SECTION DETAILS THE HARDWARE REQUIREMENTS FOR THE DISPLAY RACK. INCLUDES THE LOCATION OF THIS RACK AND THE TERMINATION OF THE DATA FROM THE DISPLAY BOARD. INCLUDES ALL THE SOFTWARE PROGRAMS AND FUNCTIONS REQUIREMENTS OF THE DISPLAY.
- 5-YEAR PREVENTATIVE MAINTENANCE PLAN - SEE SPEC FOR FURTHER DETAILS.
- DETAIL PAPER AND ELECTRONIC OPERATING MANUAL WITH SCREEN SHOTS FOR THE MAIN STEPS.

GENERAL VIDEO DISPLAY/FRONT END SPECS:

DESCRIPTION: SINGLE SIDED LED DISPLAY USING A SEALED MODULE SYSTEM WITH REDUNDANCY AND DIAGNOSTICS DIRECT IP COMMUNICATION OPTION. WILL HAVE A FRONT END COMPUTER TO INTERFACE WITH THE TIMING AND SCORING SYSTEMS, SCHEDULE, AND SHOW DIFFERENT MEDIAS.

CABINET SIZE: 4.20m HIGH X 6.70m LONG X 0.20m DEEP

VIEWING SIZE: SAME AS CABINET SIZE

BOX CONSTRUCTION: ALUMINUM WITH POWDER COAT, BLACK

PIXEL PITCH: 10mm RGB

LED DISPLAY MATRIX: 416 PIXELS H X 672 PIXELS W, 279,552 TOTAL PIXELS

VIEWING ANGLE: 160 DEGREES H X 140 DEGREES V

WEIGHT: 800kg

OPERATING TEMP: -40°C TO 50°C

MODULE PROTECTION: YES, WATERPROOF, SEALED MODULES AND CABLES

MAX.ADG. WATTAGE: 12,000W MAX, 3,750W AVERAGE

BRIGHTNESS: 9,000 nits

SERVICE: REAR SERVICE

WARRANTY: 5 YEARS PARTS ONLY

COMMERCIAL RACK STYLE COMPUTER:

- 3.4GHZ QUAD-CORE PROCESSOR
- 16GB RAM
- 3GB VIDEO CARD TO SUPPORT 6 DISPLAYS
- CDDVD DRIVE
- 1 TB HARD DRIVE
- QUAD - INPUT SERIAL CARD TO INTERFACE WITH TIMING SYSTEMS
- 2 - 22" MONITORS
- KEYBOARD AND MOUSE
- FIBRE PATCH CONNECTORS
- INTERNET ACCESS

OUTPUT RACK:

- 2 - SDI
- 1 - DVI
- 1 - HDMI
- 1 - RCA CONNECTION (TO BE CONNECTED TO EXISTING FACILITY PA SYSTEM)

UPS UNIT

SOFTWARE:

- SCHEDULER - DAILY, WEEKLY, MONTHLY LOOPS MADE UP OF PRE-RECORDED VIDEO, STILL SHOTS, TEXT, ETC.
- EVENT FILE DISPLAY - TO ALLOW AN EVENT GROUP TO INSTALL SPONSOR ADS, PRE-RECORDED VIDEO, STILL SHOTS, TEXT, ETC FOR THEIR EVENT
- INTERFACE WITH THE QUANTUM AND AREAS 21 TIMING CONTROLLERS FOR SWIMMING AND WATER POLO
- INTERFACE WITH DIVING AND SYNCHRO SWIMMING SPORTS
- WARM UP COUNTDOWN CLOCK
- INSTALL A SCALER TO ALLOW INTERFACE WITH BUILDING LCD SCREENS

GENERAL STRUCTURAL AND ELECTRICAL REQUIREMENTS:

EXISTING ELECTRICAL:

- IN THE FILTRATION ROOM THERE IS A SUB PANEL WITH A 208V 3-PHASED 50AMP BREAKER TO SUPPLY POWER TO THE DISPLAY BOARD
- REUSE THE EXISTING BREAKER, WIRING AND CONNECTORS FOR THE NEW DISPLAY
- THE CONTRACTOR IS RESPONSIBLE TO HIRE A CERTIFIED ELECTRICIAN IN THE PROVINCE OF MANITOBA TO DISCONNECT THE EXISTING BOARD
- ENSURE THAT A LOCK OUT IS PLACED ON THE BREAKER FOR THE DURATION OF THE CONTRACT UNTIL THE NEW DISPLAY IS INSTALLED, CONNECTED AND READY TO START

EXISTING STRUCTURAL:

- THE CONTRACTOR IS RESPONSIBLE TO RETAIN A STRUCTURAL ENGINEER LICENSED IN THE PROVINCE OF MANITOBA TO INSPECT THE EXISTING WALL STRUCTURE TO BE ABLE TO SUPPORT THE NEW VIDEO DISPLAY
- THE CONTRACTOR IS TO DESIGN THE MOUNTING SYSTEM TO UTILIZE THE EXISTING ANCHORS TO THE BUILDING
- THE STRUCTURAL ENGINEER WILL REVIEW THE EXISTING WALL DETAILS, INSPECT THE SITE AND GENERATE A REPORT TO THE CONDITION OF THE EXISTING MOUNTING AND ANCHORING SYSTEM
- IF ADDITIONS ARE REQUIRED THEN THE STRUCTURAL ENGINEER WILL GENERATE THE REQUIRED DRAWINGS TO MAKE THE MODIFICATIONS TO SUIT THE NEW INSTALLATION
- THE COST OF MATERIAL, GENERATION AND INSTALLATION OF THE NEW ANCHORING WILL BE RESPONSIBILITY OF THE CONTRACTOR

0 NOV 18/16 ISSUED FOR BID

No.	DATE	DESCRIPTION

PROJECT: PAN AM POOL - WINNIPEG VIDEO DISPLAY BOARD REPLACEMENT

ISSUED:

DRAWN BY: DJ REVIEWED BY: TH

DATE: OCT 2016 SCALE: AS NOTED

PROJECT NO: PAN-W-011-14

SHEET TITLE:

10mm VIDEO DISPLAY - POOL PLAN

SHEET NUMBER: AQ100