

DISPLAY - OUTDOOR

WALL MOUNT METHOD - FRONT INSTALL

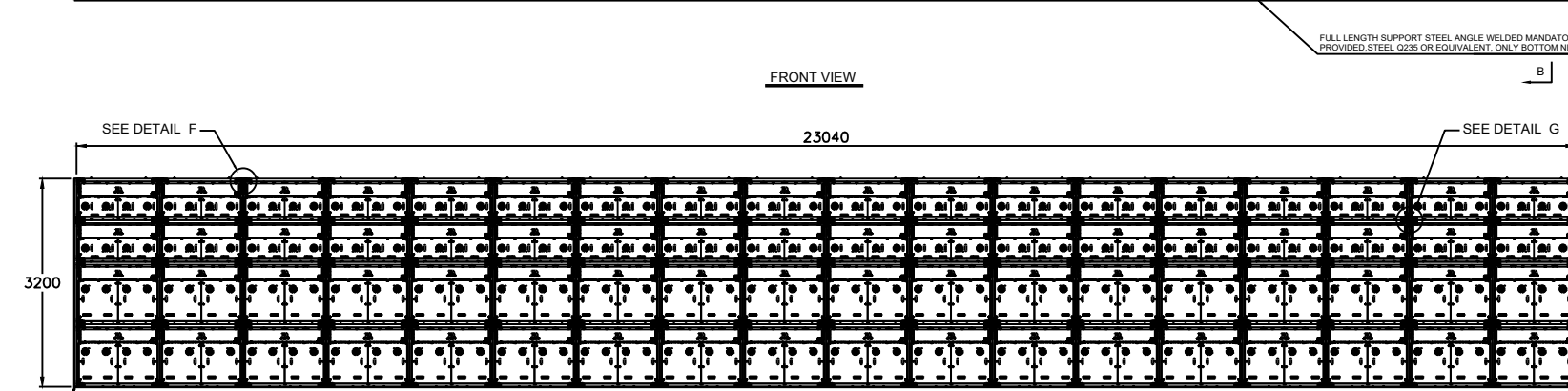
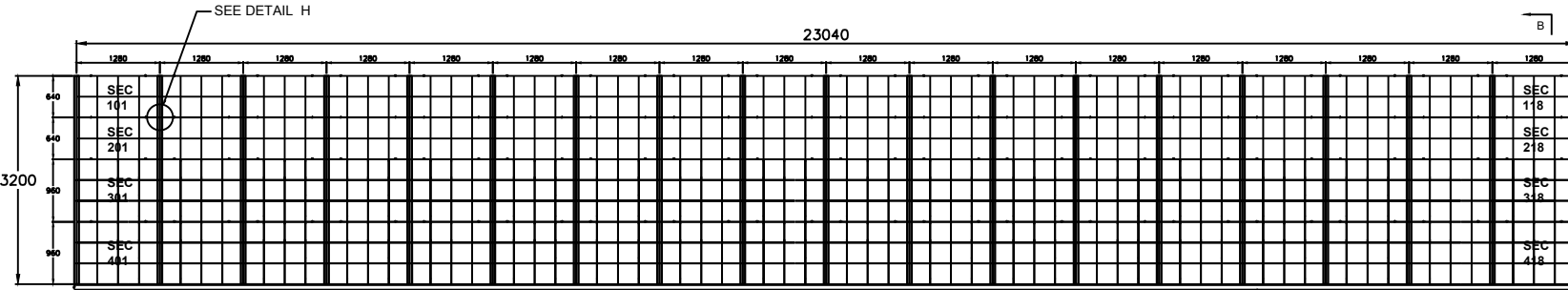
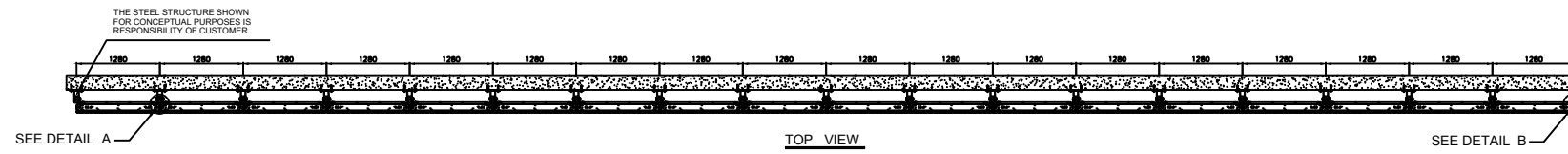
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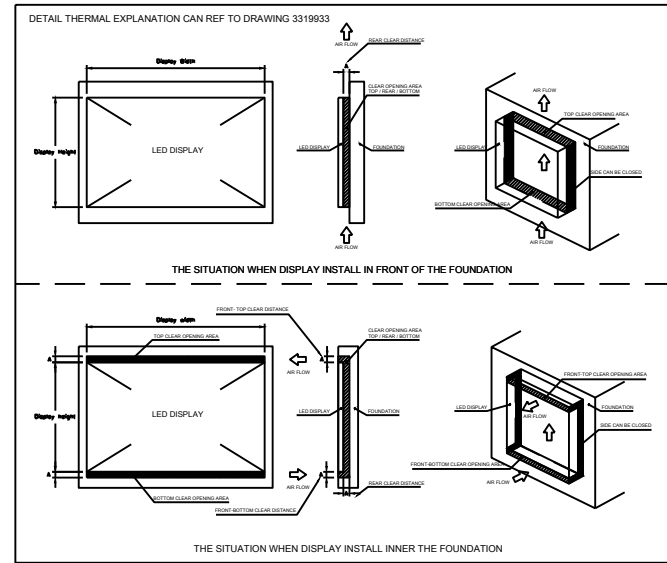
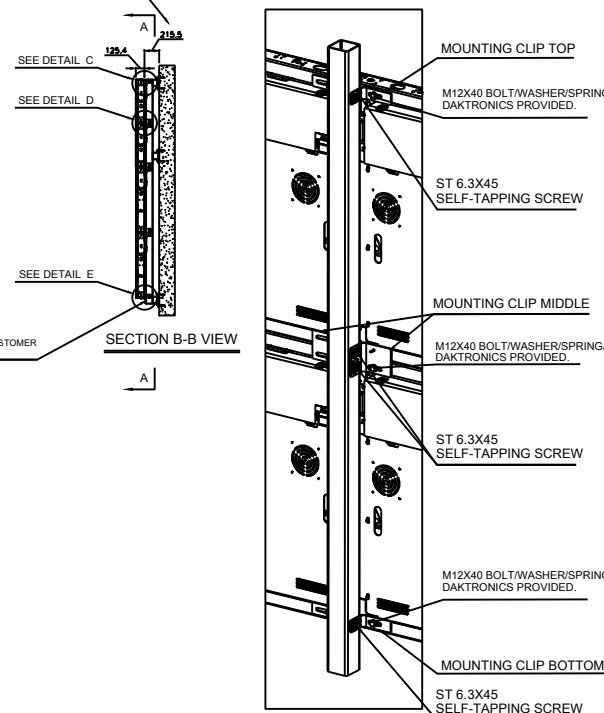
COMPANY: _____

SIGNED: _____

TITLE: _____ DATE: _____



IN ENCLOSED STRUCTURE SITUATIONS OF THE STEEL STRUCTURE, THE DISPLAY REAR DEPTH MUST BE PROVIDED A MINIMUM AMOUNT 215.5MM FOR BOTH INTAKE AND EXHAUST OF VENTILATION REQUIREMENT.



- NOTES:
- 1.0 REFERENCE
 - 1.1 REFER TO DAKTRONICS RISER DIAGRAM FOR ALL ELECTRICAL POWER AND SIGNAL SPECIFICATIONS.
 - 1.2 REFER TO INSTALLATION DVX DISPLAY MANUAL FOR COMPLETE INSTALLATION INSTRUCTIONS.
 - 1.3 ALL DIMENSIONS ARE IN MILLIMETERS.

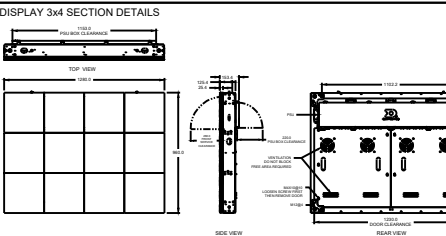
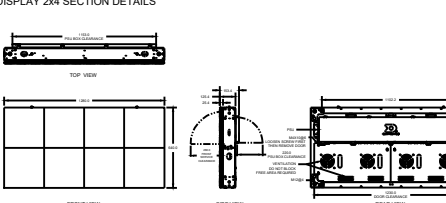
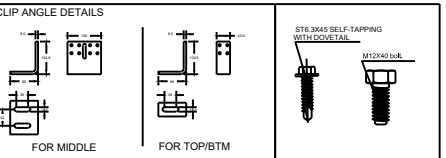
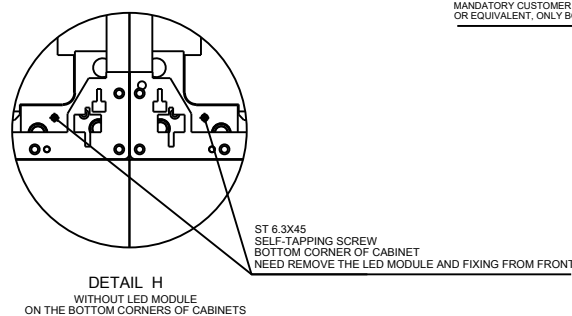
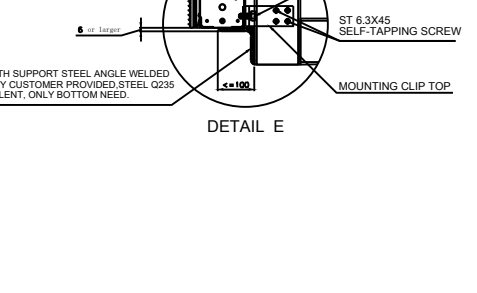
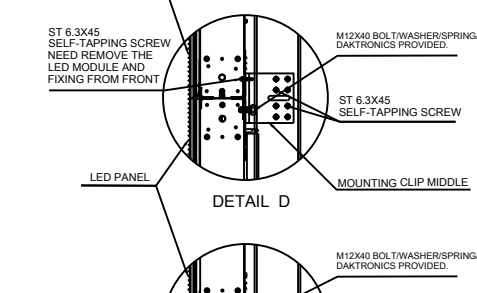
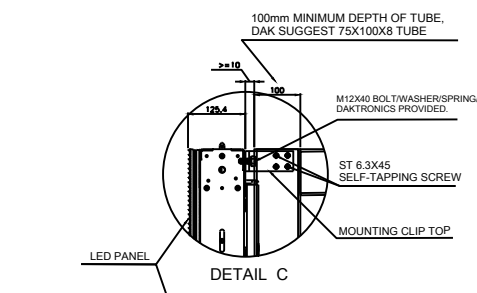
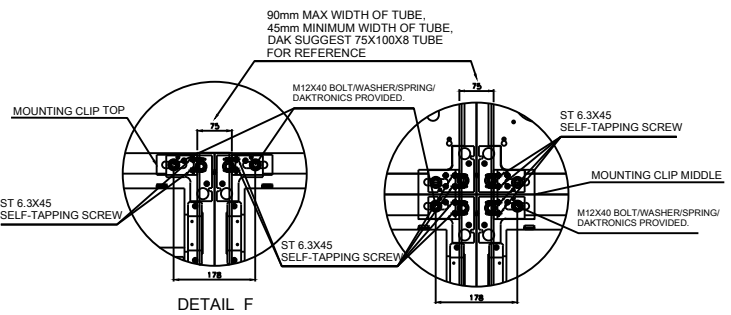
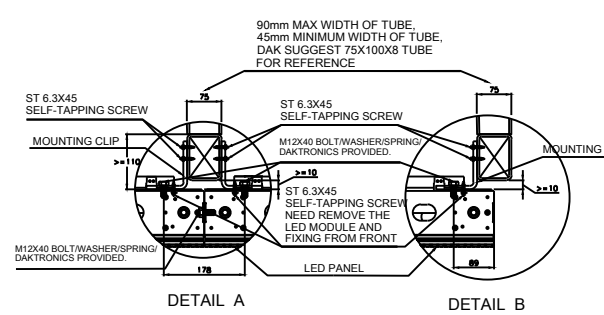
- 2.0 PROJECT RESPONSIBILITY
- 2.1 ALL DRAWINGS MUST BE APPROVED BY THE CUSTOMER AND STRUCTURE BE CERTIFIED BY A PROFESSIONAL ENGINEER AS REQUIRED BEFORE THEY CAN BE USED FOR FABRICATION OR ERECTION.
 - 2.2 IT IS THE RESPONSIBILITY ON OTHERS FOR DESIGNING AND CERTIFYING ANY NEW OR EXISTING STRUCTURE FOR THE DISPLAY ATTACHMENT.
 - 2.3 IT WILL BE THE UNDERSTANDING OF DAKTRONICS THAT SHOP APPROVAL IMPLIES THAT A QUALIFIED ENGINEER HAS REVIEWED THE NEW/ADDITIONAL LOADS TO THE DISPLAY SUPPORT STRUCTURE AND THAT THE DISPLAY SUPPORT STRUCTURE HAS BEEN DEEMED ACCEPTABLE TO SUPPORT THE LOADS AS DETAIL.
 - 2.4 CUSTOMER'S SUBCONTRACTORS SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO INSTALLATION.
 - 2.5 ALL SUBCONTRACTORS SHALL PERFORM WORK IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND/OR LOCAL REGULATIONS.
 - 2.6 EACH SUBCONTRACTOR IS RESPONSIBLE FOR JOBSITE SAFETY.
 - 2.7 ERECTION SUBCONTRACTOR IS SOLELY RESPONSIBLE FOR DESIGNING AND PROVIDING TEMPORARY BRACING FOR STABILITY OF UNINSTALLED EQUIPMENT AND STRUCTURE.
 - 2.8 EACH SUBCONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF WASTE MATERIALS ON THE JOBSITE.
 - 2.9 DISPLAY CLIP ANGLES ARE ATTACHED TO STRUCTURE BY CUSTOMERS SUBCONTRACTOR.

- 3.0 DISPLAY NOTES
- 3.1 DAKTRONICS DISPLAYS ARE ALL ALUMINUM CONSTRUCTION.
 - 3.2 ELECTRICAL COMPONENTS ARE ACCESSED FROM THE REAR OF THE DISPLAY.
 - 3.3 LIFT POINTS ARE PROVIDED BY DAKTRONICS IN EACH SECTION. (ALL REMOVABLE LIFT POINTS SHALL BE REMOVED AFTER THE INSTALLATION OF EACH SECTION.)
 - 3.4 WHEN LIFTING SECTIONS THE PREFERRED METHOD IS TO USE A SPREADER BEAM TO DISTRIBUTE WEIGHT AMONG ALL LIFT POINTS PROVIDED. FOR ALTERNATE METHOD OF RIGGING REFER TO INSTALLATION MANUAL.
 - 3.5 DAKTRONICS VIDEO DISPLAYS ARE SUPPLIED WITH CLIP ANGLES ATTACHED TO DISPLAY SECTIONS WITH M12 HARDWARE SHOWN AT ALL PREDETERMINED LOCATIONS PER THE REAR VIEW.
 - 3.6 WHEN INSTALLING DAKTRONICS DISPLAY SECTIONS, DISPLAY JOINTS BETWEEN CONSECUTIVE SECTIONS MUST BE BOLTED TOGETHER.
 - 3.7 ACTUAL WIND PRESSURE NOT TO EXCEED THE DESIGNED WIND PRESSURE CAPACITY OF DAKTRONICS DISPLAY CABINETS OF 99 PSF.

- 4.0 STRUCTURAL NOTES
- 4.1 COMPLY WITH LOCAL LAWS THAT GOVERN SAFETY REQUIREMENTS FOR STEEL ERECTION.
 - 4.2 DAKTRONICS REQUIRES A DEFLECTION CRITERIA TO BE FOLLOWED FOR PROPER ALIGNMENT OF THE VIDEO DISPLAY. CRITERIA FOR LOADS IN THE VERTICAL DIRECTION WILL BE EITHER L/400 OR 1/2" (13mm) WHICHEVER IS LESS.
 - 4.3 ALL COLUMNS MUST DEFLECT UNIFORMLY.
 - 4.4 BOLTS AND NUTS MINIMUM REQUIREMENTS
 - ALL BOLTS IN CONTACT WITH ALUMINUM SHALL BE ZINC PLATED, GALVANIZED, OR STAINLESS STEEL
 - ALL BOLTS SHALL BE FULLY PRETENSIONED PER APPROVED METHODS LISTED.
 - 4.5 STRUCTURAL STEEL WELDING
 - ALL WELDING (SHOP & FIELD) SHALL BE PERFORMED BY A WELDER CERTIFIED FOR THE SPECIFIED TYPE AND POSITION OF THE REQUIRED WELD.
 - SHIELDED METAL ARC WELDING PROCESSES SHALL BE USED TO PERFORM WELDS
 - 4.6 PAINT
 - ALL STRUCTURE STEEL SHALL BE PREPARED TO MEET CUSTOMERS SPECIFICATIONS
 - ALL STEEL MUST BE COATED AND PROTECTED BY SPECIFIED PRIMER AND THEN FINISHED PER COLOR INDICATED BY THE CUSTOMER
 - TOUCH UP PAINT AFTER INSTALLATION

- 5.0 FAN/FILTER VENTILATED DISPLAY REQUIREMENTS (on below 3.3 and 3.4 and 4.2 option for ventilation, AC is not required, just an option)
- 5.1 IF BOTH INTAKE AND EXHAUST VENT PANELS ARE OBSTRUCTED BY STRINGERS THERE MUST BE A MINIMUM OF 1" (25.4mm) CLEARANCE BETWEEN STRINGER AND VENTILATION PANEL.
 - 5.2 IF ONLY INTAKE OR ONLY EXHAUST VENT PANELS ARE OBSTRUCTED BY STRINGERS THERE MUST BE A MINIMUM OF 0.15" (4mm) CLEARANCE BETWEEN STRINGER AND VENTILATION PANEL.
 - 5.3 IN ENCLOSED STRUCTURE SITUATIONS, A MINIMUM AMOUNT OF 4.97 M² (OR DISPLAY REAR DEPTH DISTANCE "A" IS 215.5 MM) MUST BE PROVIDED FOR BOTH INTAKE AND EXHAUST. ALLOWANCES MUST BE MADE TO COMPENSATE FOR THE PERCENTAGE OF SCREEN MATERIAL COVERING THE OPENINGS IN THE STRUCTURE.
 - 5.4 IF FORCED VENTILATION OF THE ENCLOSED STRUCTURE IS REQUIRED, A MINIMUM AMOUNT OF 454 M³/MIN. (OR 16028CFM) WILL BE REQUIRED TO ENSURE PROPER COOLING.
 - 5.5 IN AN ANECHOIC CHAMBER, THE SOUND PRESSURE LEVEL OF ONE DISPLAY SECTION IS 52 dBA, AS MEASURED FROM A DISTANCE OF 3.28 FEET (1 METER) FROM THE REAR OF THE CABINET.

- 6.0 DISPLAY WITHIN AIR CONDITIONED ENCLOSURE NOTES:
- 6.1 THE STRUCTURE THAT THE DISPLAY IS MOUNTED TO MUST BE TOTALLY ENCLOSED AND AIR CONDITIONED TO PROVIDE THE PROPER DISPLAY COOLING.
 - 6.2 A SPLIT SYSTEM AIR CONDITIONING SYSTEM WILL BE USED TO PROVIDE 58.92 kW of cooling.
 - 6.3 IF BOTH INTAKE AND EXHAUST VENT PANELS ARE OBSTRUCTED BY STRINGERS THERE MUST BE A MINIMUM OF 1" (25.4mm) CLEARANCE BETWEEN STRINGER AND VENTILATION PANEL.
 - 6.4 IF ONLY INTAKE OR ONLY EXHAUST VENT PANELS ARE OBSTRUCTED BY STRINGERS THERE MUST BE A MINIMUM OF 0.15" (4mm) CLEARANCE BETWEEN STRINGER AND VENTILATION PANEL.
 - 6.5 AIR CONDITIONING UNIT PROVIDED BY CUSTOMER.
 - 6.6 DUCTING FROM AIR CONDITIONING UNIT INTO THE STRUCTURE INSTALLED AND PROVIDED BY CUSTOMER'S SUBCONTRACTOR. DUCTING TO BE SIZED AS NEEDED TO MATCH AIR CONDITIONING UNIT.
 - 6.7 ENCLOSURE NEEDS TO HAVE A MINIMUM R-VALUE OF 6.



EACH DISPLAY PARTS QUANTITY LIST

ITEM	PART NAME	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE	DESCRIPTION	NOTE
1	DVX10 STD 2x4 cabinet	TRU	36	1224.00	36	10" deep 1000x2000mm Standard cabinet	DAK-provided
2	DVX10 STD 3x4 cabinet	TRU	36	1656.00	36	10" deep 1000x2000mm Standard cabinet	DAK-provided
3	Mounting clip top/bottom	TRU	72	72.00	72	Steel cabinet, front thickness angle 210 holes	DAK-provided
4	Mounting clip middle	TRU	108	216.00	108	Steel cabinet, front thickness angle 210 holes	DAK-provided
5	M12X40 BOLT	TRU	352	5.63	352	1/2" STD 6mm hex, zinc	DAK-provided
6	M12 SPRING WASHER	TRU	352	2.11	352	1/2" STD spring washer, steel hex/round	DAK-provided
7	M12 FLAT WASHER	TRU	352	1.76	352	1/2" STD plate washer, steel hex/round	DAK-provided
8	SELF-TAPPING SCREW	TRU	1224	18.36	1224	1/2" (12.7mm) SELF-TAPPING SCREW, HEX HEAD	DAK-provided
9	POWER AND SIGNAL CABLES	TRU	72	18.00	72	1/2" power and signal cable for cabinet connect	DAK-provided
10	TOTAL				3214.00		

DVX-2200-10 CABINET SPEC LIST

SEC #	SECTION SIZE	APPROX. WEIGHT	ACTIVE AREA
101-010	64 X 128	34 kg	640 X 1280 0.82 M ²
301-010	96 X 128	46 kg	960 X 1280 1.23 M ²
TOTAL	320 X 2304	2880 kg	3200 X 23040 73.73 M ²

- NOTE:
1. ALL DRAWING DIM UNIT: MM.
 2. EACH DISPLAY AREA: 73.73 M².
 3. EACH DISPLAY WEIGHT ONLY: 2880 KG; (WEIGHT DOES NOT INCLUDE MOUNTING CLIPS AND HARDWARE)
 4. POWER AND SIGNAL CABLES WEIGHT ESTIMATE: 18 kg.
 5. SERVICE ACCESS: FRONT.
 6. REVIEW STEEL STRUCTURE DESIGN IS RESPONSIBILITY OF CUSTOMER.
 7. DRAWING IS DESIGN CONCEPT ONLY FOR REFERENCE. FINAL DETAIL DESIGN MAYBE DIFFER.

DAKTRONICS

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PROJECT: GLASGOW RANGERS FC EDMISTON MEDIA WALL PROJECT

TITLE: SHOP DWG, DVX-2200-10 320X2304@1, FRONT ACCESS

DATE: 26-APR-2022 DIM UNITS: MILLIMETERS SHEET REV

SCALE: 1=110 DO NOT SCALE DRAWING 1 OF 1 A

DESIGN: JW JOB NO. C30960 FUNC - TYPE - SIZE F - 10 - A3

DRAWN: JW 5060170