

general notes:

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LIGHTING LEGEND		EXISTING DEVICES ARE TONED:
	2' x 2'	LED/FLUORESCENT LUMINAIRE - RECESSED, CEILING, SURFACE, OR SUSPENDED (NEW or EXISTING IN RELOCATED POSITION)
	1' x 4'	
	2' x 4'	DIAGONAL DENOTES BASE BUILDING FIXTURE
		EXISTING BASE BUILDING LUMINAIRE TO REMAIN
		EXISTING BASE BUILDING LUMINAIRE TO BE REMOVED
		LUMINAIRE - WALL MOUNTED
		LUMINAIRE - RECESSED OR CEILING MOUNTED DOWNLIGHT
		SINGLE HEAD
		DOUBLE HEAD
		TRIPLE HEAD
		LUMINAIRES - WALL MOUNTED
		LUMINAIRE - WALL WASHER ADJUSTABLE LUMINAIRE
		LUMINAIRE - STEP LIGHT
		LUMINAIRE - SUSPENDED / PENDANTS
		POLE MOUNTED LUMINAIRE
		ILLUMINATED BOLLARD
		LINEAR TRACK c/w TRACK HEADS - QUANTITY OF TRACK HEADS AS PER LUMINAIRE SCHEDULE.
		DENOTES LUMINAIRE ON EMERGENCY POWER
		LUMINAIRE USED AS NIGHT LIGHT
		COVE, UNDERCABINET, AND/OR INTEGRATED LINEAR LIGHTING STRIP. LENGTH TO BE FIELD MEASURED.
		LUMINAIRE DESIGNATOR LETTER DENOTES TYPE. REFER TO LUMINAIRE SCHEDULE.
BATTERY POWER EMERGENCY LIGHTING:		
		EMERGENCY REMOTE LIGHTING HEAD. QUANTITY OF HEADS AS INDICATED.
		EMERGENCY REMOTE LIGHTING HEAD. QUANTITY OF HEADS AS INDICATED.
		EMERGENCY LIGHTING BATTERY UNIT c/w REMOTE LIGHTING HEADS.
		TAG # INDICATES CIRCUITING FOR REMOTE HEADS.
EXIT SIGNS:		
		CEILING MOUNTED
		END MOUNTED
		WALL MOUNTED
		WALL MOUNTED WITH REMOTE HEADS/INTEGRATED BATTERY AS NOTED.
		TAG # DENOTES EXIT SIGN TYPE WHERE MULTIPLE TYPES ARE USED. REFER TO LUMINAIRE SCHEDULE.
SWITCHES AND SENSORS:		
		DENOTES SWITCH. TAG # INDICATES SWITCH TYPE/ACCESSORIES. 3- 3-WAY, 4- 4-WAY, K- KEY, M- MASTER, S- VARIABLE SPEED, F- FAN SWITCH BY DIVISION 16, B- MOTORIZED BLINDS, PS- PROJECTION SCREEN, OR- OVERRIDE
		DENOTES DIMMER SWITCH. TAG # INDICATES SWITCH TYPE/ACCESSORIES. 3- 3-WAY DIMMER, 4- 4-WAY DIMMER, LV- LOW VOLTAGE DIMMER
		DENOTES SWITCH GANGED UNDER COMMON COVERPLATE (2, 3 & 4 SHOWN)
		OCCUPANCY SENSOR SWITCH
		LOW VOLTAGE SWITCH
		ALTERNATE VOLTAGE SWITCH (347V)
		WIRELESS SWITCH
		CEILING or WALL MOUNTED OCCUPANCY SENSOR. # DENOTES OCCUPANCY SENSOR TYPE.
		CEILING or WALL MOUNTED DAY LIGHT SENSOR. # DENOTES OCCUPANCY SENSOR TYPE.
		PHOTOCELL
		TIME SWITCH
		VARIABLE SPEED SWITCH
ABBREVIATIONS:		
AFI - ARC FAULT INTERRUPTER	AFF - ABOVE FINISHED FLOOR	
AF - AMPS FRAME	AT - AMPS TRIP	
AV - AUDIOVISUAL DEVICE	(C) DEDICATED CIRCUIT	
CH - COUNTER HEIGHT, 12" OR AS NOTED	CHP - CHILD PROOF	
CLG - CEILING	CP - CONSOLIDATION POINT	
DW - DISHWASHER	EXP - EXPLOSION PROOF	
GFI - GROUND FAULT INTERRUPTER	GFCI - GROUND FAULT CURRENT INTERRUPTER	
GND - GROUND	GWB - GYPSUM WALL BOARD	
HK - HOUSE KEEPING	HP - HOSPITAL GRADE	
IDF - INTERMEDIATE DISTRIBUTION FRAME	IG - ISOLATED GROUND	
K - KEY OPERATED	MCS - MULTIMEDIA COMMUNICATION SYSTEM	
MDF - MAIN DISTRIBUTION FRAME	MH - MANHOLE	
MM - MULTIMODE	MW - MICROWAVE	
(N) - NORMAL CIRCUIT	NIC - NOT IN CONTRACT	
NL - NIGHT LIGHT	O/H - OVERHEAD	
PBX - PRIVATE BRANCH EXCHANGE	PR - PAIR	
R - TO BE REMOVED	RE - TO BE RELOCATED	
RL - RELOCATED POSITION	RF - REFRIGERATOR	
R/A - RETURN AIR	S/A - SUPPLY AIR	
(SC) - SEPARATE CIRCUIT	SG - SINGLE GANG	
SM - SINGLE MODE	SS - STAINLESS STEEL	
TEMP - TEMPORARY	TGBB - TELECOM GROUNDING BUSBAR	
TL - TWIST LOCK	TSER - TELECOM SERVICE ENTRANCE ROOM	
TR - TAMPER RESISTANT	TYP - TYPICAL	
UG - UNDERGROUND	TGBB - TELECOM GROUNDING BUSBAR	
UON - UNLESS OTHERWISE NOTED	UPS - UNINTERRUPTIBLE POWER SUPPLY	
UTP - UNSHIELDED TWISTED PAIR	WAP - WIRELESS ACCESS POINT	
WG - WIRE GUARD	WW - WIREWAY	
WP - WEATHER PROOF	WT - WATER TIGHT	

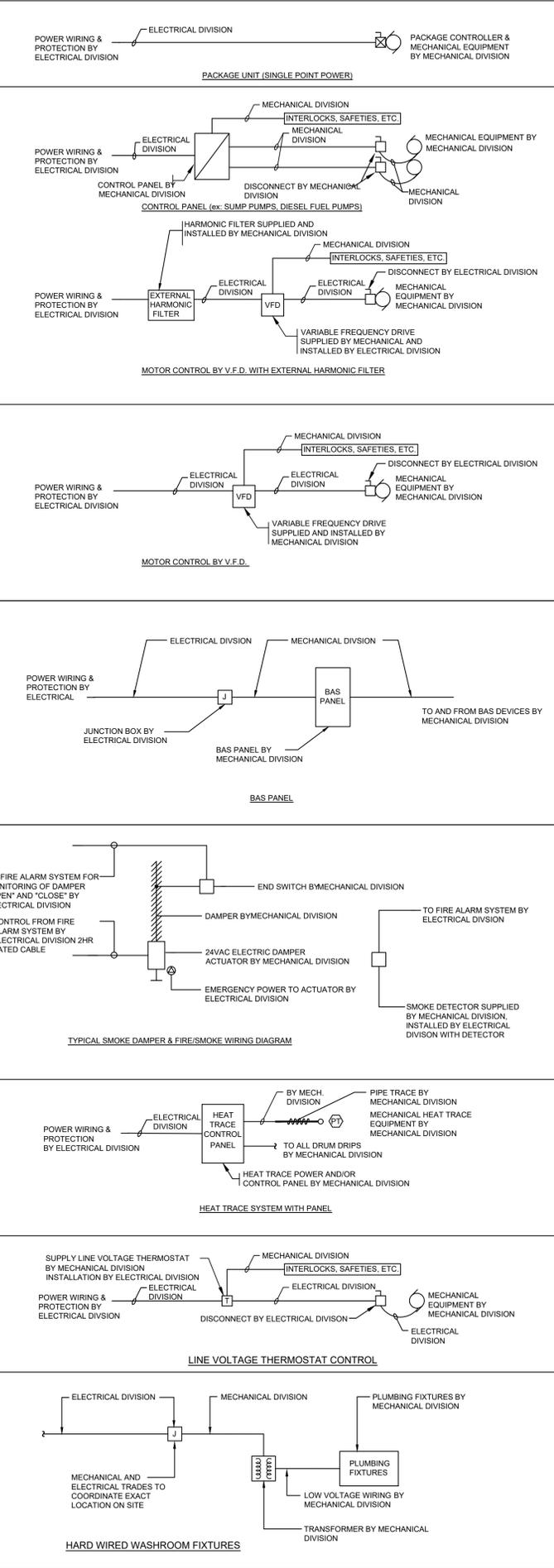
ELECTRICAL LEGEND		EXISTING DEVICES ARE TONED:
	120V, SINGLE PHASE DIRECT CONNECTION	
	208V, SINGLE PHASE DIRECT CONNECTION	
	208V, THREE PHASE DIRECT CONNECTION	
	600V, SINGLE PHASE DIRECT CONNECTION	
	600V, THREE PHASE DIRECT CONNECTION	
	V, SINGLE PHASE DIRECT CONNECTION - VOLTAGE AS NOTED	
	V, THREE PHASE DIRECT CONNECTION - VOLTAGE AS NOTED	
	DISCONNECT SWITCH - NON-FUSED	
	DISCONNECT SWITCH - FUSED	
	DISCONNECT SWITCH - BUS PLUG	
	DISTRIBUTION BOX. 'JB' DENOTES JUNCTION BOX OR PULL BOX. 'B' DENOTES BLANK BOX.	
	VARIABLE FREQUENCY DRIVE	
	ELECTRICAL PANELBOARD - SURFACE MOUNTED	
	ELECTRICAL PANELBOARD - RECESSED	
	UTILITY PANEL/CABINET (ie: FIRE, COMMS etc.) - SURFACE MOUNTED	
	UTILITY PANEL/CABINET (ie: FIRE, COMMS etc.) - RECESSED	
	LOOSE COMBINATION MOTOR STARTER	
	LOOSE MOTOR STARTER	
	CONTACTOR	
	TRANSFORMER - FLOOR MOUNTED. SIZE AND TYPE AS INDICATED.	
	TRANSFORMER - SUSPENDED. SIZE AND TYPE AS INDICATED.	
	EMERGENCY POWER SHUTOFF PUSHBUTTON	
	PUSH BUTTON STATION	
	DUPLEX, 1-GANG RECEPTACLE - 5-15R UNLESS NOTED	
	DUPLEX, 1-GANG RECEPTACLE - CEILING MOUNTED. 5-15R UNLESS NOTED	
	DUPLEX, 1-GANG RECEPTACLE - FLOOR MOUNTED. 5-15R UNLESS NOTED	
	DUPLEX, 1-GANG RECEPTACLE - 5-20R UNLESS NOTED	
	DUPLEX, 1-GANG RECEPTACLE - CEILING MOUNTED. 5-20R UNLESS NOTED	
	DUPLEX, 1-GANG RECEPTACLE - FLOOR MOUNTED. 5-20R UNLESS NOTED	
	SINGLE RECEPTACLE - 5-15R UNLESS NOTED	
	SINGLE RECEPTACLE - CEILING MOUNTED. 5-15R UNLESS NOTED	
	SINGLE RECEPTACLE - FLOOR MOUNTED. 5-15R UNLESS NOTED	
	SINGLE TWISTLOCK RECEPTACLE - L5-15R UNLESS NOTED	
	SINGLE TWISTLOCK RECEPTACLE - CEILING MOUNTED. L5-15R UNLESS NOTED	
	SINGLE TWISTLOCK RECEPTACLE - FLOOR MOUNTED. L5-15R UNLESS NOTED	
	GROUND FAULT INTERRUPTER (GFI) RECEPTACLE 5-15R, 5mA UNLESS NOTED	
	GROUND FAULT INTERRUPTER (GFI) RECEPTACLE - CEILING MOUNTED 5-15R, 5mA UNLESS NOTED	
	GROUND FAULT INTERRUPTER (GFI) RECEPTACLE - FLOOR MOUNTED 5-15R, 5mA UNLESS NOTED	
	GROUND FAULT INTERRUPTER (GFI) RECEPTACLE 5-20R, 5mA UNLESS NOTED	
	GROUND FAULT INTERRUPTER (GFI) RECEPTACLE - CEILING MOUNTED 5-20R, 5mA UNLESS NOTED	
	GROUND FAULT INTERRUPTER (GFI) RECEPTACLE - FLOOR MOUNTED 5-20R, 5mA UNLESS NOTED	
	DUPLEX, 1-GANG RECEPTACLE OUTLET - WITH USB	
	DUPLEX, 1-GANG RECEPTACLE OUTLET - CEILING MOUNTED WITH USB	
	DUPLEX, 1-GANG RECEPTACLE OUTLET - FLOOR MOUNTED WITH USB	
	SPLIT RECEPTACLE - 5-15R	
	SPLIT RECEPTACLE - CEILING MOUNTED. 5-15R	
	SPLIT RECEPTACLE - FLOOR MOUNTED. 5-15R	
	SPLIT RECEPTACLE - 5-20R	
	SPLIT RECEPTACLE - CEILING MOUNTED. 5-20R	
	SPLIT RECEPTACLE - FLOOR MOUNTED. 5-20R	
	DUPLEX, 1-GANG RECEPTACLE - 5-15R	
	DUPLEX, 1-GANG RECEPTACLE - 5-20R	
	QUAD, 2-GANG RECEPTACLE, 5-15R UNLESS NOTED	
	QUAD, 2-GANG RECEPTACLE - FLOOR MOUNTED, 5-15R UNLESS NOTED	
	QUAD, 2-GANG RECEPTACLE - CEILING MOUNTED, 5-15R UNLESS NOTED	
	STOVE RECEPTACLE - 14-50R, 125/250V, 50A	
	DRYER RECEPTACLE - 14-30R, 125/250V, 30A	
	COMBINATION OUTLET - WALL MOUNTED - AS DETAILED	
	COMBINATION OUTLET - FLOOR MOUNTED - AS DETAILED	
	SERVICE POLE - SERVICE POLE FEED TO FURNITURE SYSTEM	
	FEED FOR POWER & COMMUNICATIONS TO SYSTEM FURNITURE - WALL or COLUMN MOUNTED	
	FEED FOR POWER & COMMUNICATIONS TO SYSTEM FURNITURE - FLOOR MOUNTED	
	FEED FOR POWER & COMMUNICATIONS TO SYSTEM FURNITURE - SURFACE RACEWAY MOUNTED	

MISCELLANEOUS LEGEND		EXISTING DEVICES ARE TONED:
	'REFER TO KEYNOTE NOTE' NUMBER	
	'REFER TO DETAIL NOTE' NUMBER	
	DENOTES EXISTING DEVICE(S), WIRING OR CONDUIT TO BE 'REMOVED'	
	DENOTES MATCHLINE	
	DENOTES CROSS SECTION DETAIL CALL OUT	
	DENOTES DETAIL CALL OUT	
	DENOTES MECHANICAL EQUIPMENT TAG	
	DENOTES PANEL FEED	
MISCELLANEOUS DEVICES:		
	CONDUIT RUN UP	
	CONDUIT RUN DOWN	
	CONDUIT STUB	
	SURFACE RACEWAY	
	ELECTRIC BASEBOARD HEATER. SIZE AND VOLTAGE AS INDICATED. ALL BASEBOARDS COMPLETE WITH BUILT-IN THERMOSTAT	
	ELECTRIC PIPE TRACE HEATING CABLE - SIZE AS NOTED. REFER TO PIPE TRACE SCHEDULE	
	ELECTRIC PIPE TRACE HEATING RISER CABLE - SIZE AS NOTED. REFER TO PIPE TRACE SCHEDULE	
	DRYER CURRENT SENSOR	
	FORCE FLOW HEATER - SURFACE MOUNTED	
	FORCE FLOW HEATER - RECESSED MOUNTED	
	UNIT HEATER - CEILING MOUNTED	
	GROUND BAR	
	LINE VOLTAGE THERMOSTAT	
	CORE DRILL LOCATION FOR CONDUIT STUB-UPS	
	INVERTER	
GROUNDING DEVICES:		
	CONNECTION POINT	
	GROUND POINT	

SYSTEMS LEGEND			EXISTING DEVICES ARE TONED:
DATA OUTLETS			
	WALL	COMPLETE WITH BACKBOX, PULL CORD AND 27mm CONDUIT BACK TO THE NEAREST COMMUNICATIONS ROOM, CLOSET, OR LOCAL CABLE TRAY, UNLESS SPECIFICALLY NOTED OTHERWISE. # DENOTES NUMBER OF OUTLETS	
	FLOOR	COMPLETE WITH BACKBOX, PULL CORD AND 27mm CONDUIT BACK TO THE NEAREST COMMUNICATIONS ROOM, CLOSET, OR LOCAL CABLE TRAY, UNLESS SPECIFICALLY NOTED OTHERWISE. # DENOTES NUMBER OF OUTLETS	
	CEILING	COMPLETE WITH BACKBOX, PULL CORD AND 27mm CONDUIT BACK TO THE NEAREST COMMUNICATIONS ROOM, CLOSET, OR LOCAL CABLE TRAY, UNLESS SPECIFICALLY NOTED OTHERWISE. # DENOTES NUMBER OF OUTLETS	
VOICE OUTLETS			
	WALL	COMPLETE WITH BACKBOX, PULL CORD AND 27mm CONDUIT BACK TO THE NEAREST COMMUNICATIONS ROOM, CLOSET, OR LOCAL CABLE TRAY, UNLESS SPECIFICALLY NOTED OTHERWISE. # DENOTES NUMBER OF OUTLETS	
	FLOOR	COMPLETE WITH BACKBOX, PULL CORD AND 27mm CONDUIT BACK TO THE NEAREST COMMUNICATIONS ROOM, CLOSET, OR LOCAL CABLE TRAY, UNLESS SPECIFICALLY NOTED OTHERWISE. # DENOTES NUMBER OF OUTLETS	
	CEILING	COMPLETE WITH BACKBOX, PULL CORD AND 27mm CONDUIT BACK TO THE NEAREST COMMUNICATIONS ROOM, CLOSET, OR LOCAL CABLE TRAY, UNLESS SPECIFICALLY NOTED OTHERWISE. # DENOTES NUMBER OF OUTLETS	
DATA/VOICE OUTLETS			
	WALL	COMPLETE WITH BACKBOX, PULL CORD AND 27mm CONDUIT BACK TO THE NEAREST COMMUNICATIONS ROOM, CLOSET, OR LOCAL CABLE TRAY, UNLESS SPECIFICALLY NOTED OTHERWISE	
	FLOOR	COMPLETE WITH BACKBOX, PULL CORD AND 27mm CONDUIT BACK TO THE NEAREST COMMUNICATIONS ROOM, CLOSET, OR LOCAL CABLE TRAY, UNLESS SPECIFICALLY NOTED OTHERWISE	
	CEILING	COMPLETE WITH BACKBOX, PULL CORD AND 27mm CONDUIT BACK TO THE NEAREST COMMUNICATIONS ROOM, CLOSET, OR LOCAL CABLE TRAY, UNLESS SPECIFICALLY NOTED OTHERWISE	
TV OUTLETS			
	WALL	COMPLETE WITH BACKBOX, PULL CORD AND 27mm CONDUIT BACK TO THE NEAREST COMMUNICATIONS ROOM, CLOSET, OR LOCAL CABLE TRAY, UNLESS SPECIFICALLY NOTED OTHERWISE	
	CEILING	COMPLETE WITH BACKBOX, PULL CORD AND 27mm CONDUIT BACK TO THE NEAREST COMMUNICATIONS ROOM, CLOSET, OR LOCAL CABLE TRAY, UNLESS SPECIFICALLY NOTED OTHERWISE	
AUDIO/VISUAL LOCATION			
	WALL	AUDIO/VISUAL	
	CEILING	AUDIO/VISUAL	
	MUSIC SPEAKER - CEILING, WALL MOUNTED		
	SOUND MASKING SPEAKER		
WIRELESS ACCESS POINT (WAP) LOCATION			
	WALL	WIRELESS ACCESS POINT (WIFI)	
	CEILING	WIRELESS ACCESS POINT (WIFI)	
CONDUIT DESIGNATION			
	DATA ZONE CONDUIT		
	VOICE ZONE CONDUIT		
	CABLE TRAY AS NOTED		
	CLOCKS - CEILING & WALL MOUNTED-LINES DENOTE CLOCK FACE DIRECTION		
PUBLIC ADDRESS SYSTEM LOCATION			
	WALL	PUBLIC ADDRESS SYSTEM SPEAKER	
	CEILING	PUBLIC ADDRESS SYSTEM SPEAKER	
SECURITY AND ACCESS DEVICES			
	WALL OR CEILING	CLOSED CIRCUIT TELEVISION (SECURITY CAMERA)	
	WALL	MOTION DETECTOR - SECURITY	
	CEILING	MOTION DETECTOR - SECURITY	
	WALL	GLASS BREAK SENSING DEVICE	
	CEILING	GLASS BREAK SENSING DEVICE	
	CARD READER		
	DOOR CONTACT		
	ELECTRIC STRIKE		
	ELECTRIC LATCH		
	ELECTRO-MAGNETIC LOCKING DEVICE (MAG LOCK)		
	ELECTRIC HOLD OPEN DEVICE		
	REQUEST TO EXIT DEVICE		
	SECURITY KEY PAD		
	DOOR BELL		
	DOOR BUZZER		
	DOOR CHIME		
	PANIC ALARM BUTTON		
	SONA ALERT		
	DOOR RELEASE BUTTON		
	MAGNETIC DOOR HOLDER		
	EMERGENCY RELEASE PULL STATION - BLUE		
BARRIER-FREE WASHROOM DEVICES:			
	DOOR OPERATOR		
	BARRIER-FREE DOOR OPERATOR ACTUATOR		
	DURESS ALARM BUTTON		
	INTERCOM DEVICE		
	SYSTEM PUSH BUTTON LOCATION		
	EMERGENCY ASSISTANCE - AUDIBLE & VISUAL SIGNAL		
	PUSH-TO-LOCK DOOR DEVICE		
	INTELLIGENT CONTROL PANEL		

DISTRIBUTION LEGEND		EXISTING DEVICES ARE TONED:
	TRANSFORMER. VOLTAGE AND RATING AS INDICATED.	
	ISOLATION TRANSFORMER C/W ELECTROSTATIC SHIELD	
	DELTA	
	WYE	
	CURRENT TRANSFORMER (CT)	
	POTENTIAL TRANSFORMER (PT)	
	MOLDED CASE CIRCUIT BREAKER (FIXED)	
	MOTORIZED CIRCUIT BREAKER	
	AIR CIRCUIT BREAKER (FIXED)	
	AIR CIRCUIT BREAKER (DRAW OUT)	
	HIGH VOLTAGE CIRCUIT BREAKER	
	CONTACTOR - NORMALLY OPEN	
	CONTACTOR - NORMALLY CLOSED	

SCOPE OF WORK FOR MECHANICAL EQUIPMENT



AV EQUIPMENT – DIVISION OF RESPONSIBILITY

ABBREVIATIONS: S - SUPPLY, I - INSTALL, C - COORDINATE

SCOPE	AUDIO VISUAL CONTRACTOR	OWNER	GENERAL CONTRACTOR	ELECTRICAL CONTRACTOR	COMMUNICATIONS CONTRACTOR	FURNITURE SUPPLIER
CABLE, RACEWAY & INFRASTRUCTURE						
CONDUIT, DEVICE BOXES, PULLBOXES, JUNCTION BOXES				S&I		
SURFACE AND OVER FLOOR RACEWAY				S&I		
CABLE TRAY					S&I	
*J' HOOKS					S&I	
FLOOR BOXES				S&I		
SPECIALTY BOXES, ENCLOSURES, SPEAKER BACK BOXES	S			I		
AV WIRE AND CABLE	S&I					
AV WIRE AND CABLE TERMINATION	S&I					
POWER						
POWER FOR AV EQUIPMENT				S&I		
AV RACK POWER DISTRIBUTION	S&I					
EQUIPMENT BACKING AND SUPPORT						
STRUCTURAL SUPPORT FOR AV EQUIPMENT		C	S&I			
SUPPLEMENTARY SUPPORT HARDWARE, UNISTRUT, CUSTOM FRAMES, ETC.		S&I				
TELECOMMUNICATIONS NETWORK AND HARDWARE						
NETWORK CABLE & CONNECTIONS					S&I	
NETWORK HARDWARE					S&I	
SPECIALTY NETWORK SWITCHES & HARDWARE REQUIRED FOR AV						S&I
TABLE BOXES FOR AV EQUIPMENT						S&I
LIFE SAFETY						
FIRE ALARM CABLING AND CONNECTION POINT TO AV LOCATIONS				S&I		
CONNECTION TO FIRE ALARM SYSTEM				S&I		

NOTES:

- 1) PROVIDE SCOPE OF WORK IN TABLE ABOVE AND AS INDICATED ON AV DRAWINGS PREPARED BY THE HIDI GROUP, WHICH FORM PART OF THIS CONTRACT.

TENDER DRAWING NOTES

CONTRACTOR'S WORK SCHEDULE, NOISE EXEMPTION, AND FAIR WAGE COMPLIANCE

THE CONTRACTOR SHALL IMPLEMENT A COMPREHENSIVE PROJECT MANAGEMENT STRATEGY, ENSURING CONTINUOUS, ROUND-THE-CLOCK CONSTRUCTION ACTIVITIES TO MEET CRITICAL PROJECT MILESTONES AND THE FINAL COMPLETION DEADLINE ESTABLISHED BY THE OWNER IN THE CONTRACT DOCUMENTS. THE CONTRACTOR MUST DEVELOP A DETAILED WORK BREAKDOWN STRUCTURE (WBS) AND A RESOURCE-LOADED SCHEDULE TO EFFECTIVELY MANAGE MULTIPLE WORK SHIFTS. SUFFICIENT RESOURCES, INCLUDING BUT NOT LIMITED TO PERSONNEL AND EQUIPMENT, MUST BE ALLOCATED TO ENSURE OPERATIONS RUN 24 HOURS A DAY, 7 DAYS A WEEK, TO ELIMINATE POTENTIAL DELAYS. ALL 24-HOUR LABOR MUST STRICTLY COMPLY WITH THE CITY OF TORONTO FAIR WAGE REQUIREMENTS. FAILURE TO MEET THE PROJECT'S NON-NEGOTIABLE DEADLINE FOR THE FIFA WORLD CUP TREATMENT IN 2026 WILL RESULT IN PENALTIES, LIQUIDATED DAMAGES, AND OTHER REMEDIAL ACTIONS, AS OUTLINED IN THE PROJECT AGREEMENT.

THE CONTRACTOR IS ALSO RESPONSIBLE FOR ENSURING THAT ALL CONSTRUCTION ACTIVITIES COMPLY WITH THE CITY OF TORONTO'S FAIR WAGE OFFICE REGULATIONS. THIS PROJECT HAS BEEN GRANTED A NOISE EXEMPTION, ALLOWING CONSTRUCTION TO PROCEED BEYOND STANDARD WORKING HOURS. AS PART OF THE CONTRACTOR'S RISK MANAGEMENT PLAN, ALL AFTER-HOURS WORK, OVERTIME LABOR, AND EXTENDED SHIFTS REQUIRED TO MEET THE PROJECT DEADLINES MUST BE FACTORED INTO THE BASE BID. NO CHANGE ORDERS OR CLAIMS FOR ADDITIONAL COSTS RELATED TO OVERTIME OR AFTER-HOURS WORK WILL BE ACCEPTED, AS THESE OBLIGATIONS ARE CLEARLY OUTLINED IN THE CONTRACT DELIVERABLES.

FURTHERMORE, WITH THE SUPPORT OF THE CLIENT, THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND COORDINATING ALL NECESSARY PERMITS, APPROVALS, AND NOTIFICATIONS WITH THE RELEVANT MUNICIPAL AUTHORITIES TO ENSURE COMPLIANCE WITH THE NOISE EXEMPTION AND OTHER REGULATORY OBLIGATIONS. REGULAR PROGRESS REPORTS, INCLUDING SCHEDULE UPDATES AND RESOURCE ALLOCATION REVIEWS, MUST BE PROVIDED TO THE PROJECT MANAGEMENT TEAM TO MAINTAIN TRANSPARENCY AND ENSURE EFFECTIVE COMMUNICATION THROUGHOUT THE PROJECT LIFECYCLE.



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2. Drawings are not to be scaled for construction. Contractor to verify all existing conditions and dimensions required to perform the Work and report any discrepancies with the Contract Documents to the Architect before commencing work.
3. Positions of exposed or finished mechanical or electrical devices, fittings, and fixtures are indicated on the Architectural drawings. The locations shown on the Architectural drawings govern over the Mechanical and Electrical drawings. Those items not clearly located will be located as per directed by the Architect.



COMMUNICATIONS SCOPE OF WORK

- 1) PROVIDE CONDUIT TRUNK AND JUNCTION BOX C/W PULL STRING AS INDICATED ON COMMUNICATIONS DRAWING T-201.
- 2) PROVIDE PLYWOOD BACKBOARD AND BONDING BAR AS INDICATED ON DETAIL 1/T-301.
- 3) PROVIDE CONDUIT, BACKBOXES, JUNCTION BOXES, AND OTHER WORK IDENTIFIED ON COMMUNICATIONS DRAWINGS PREPARED BY THE HIDI GROUP WHICH FORM PART OF THIS CONTRACT.

SECURITY EQUIPMENT - RESPONSIBILITY MATRIX

SYSTEM WORK	ACCESS CONTROL	BIOMETRIC SYSTEM	GUESTROOM ACCESS	VIDEO MANAGEMENT	INTERCOM	DOOR HARDWARE
ROUGH-IN & CONDUIT	ELEC	ELEC	ELEC	ELEC	ELEC	ELEC/DOOR
CABLING & TERMINATION	SEC	SEC/CBL	CBL	CBL	SEC/CBL	DOOR/SEC
FIELD DEVICE INSTALLATION & TERMINATION	SEC	SEC	SEC	SEC	SEC	DOOR/SEC
PROGRAMMING	SEC	SEC	SEC	SEC	SEC	N/A
COMMISSIONING & TESTING	SEC	SEC	SEC	SEC	SEC	DOOR/SEC

ELEC = ELECTRICAL CONTRACTOR (DIV. 26)
 CBL = STRUCTURED CABLING CONTRACTOR (DIV. 27)
 SEC = SECURITY CONTRACTOR (DIV. 28)
 DOOR = DOOR HARDWARE CONTRACTOR (DIV. 8)

NOTES:

- 1) PROVIDES SCOPE OF WORK INDICATED IN TABLE ABOVE AND INDICATED ON SECURITY DRAWINGS PREPARED BY THE HIDI GROUP, WHICH FORM PART OF THIS CONTRACT.
- 2) PROVIDE SCOPE OF WORK INDICATED ON DETAIL 1/SD-401.
- 3) PROVIDE CONDUIT AND JUNCTION BOX INFRASTRUCTURE C/W PULL STRING FOR ALL DOORS WITH SECURITY DEVICES.



ISSUED FOR TENDER 2024.11.08
 revision 0001

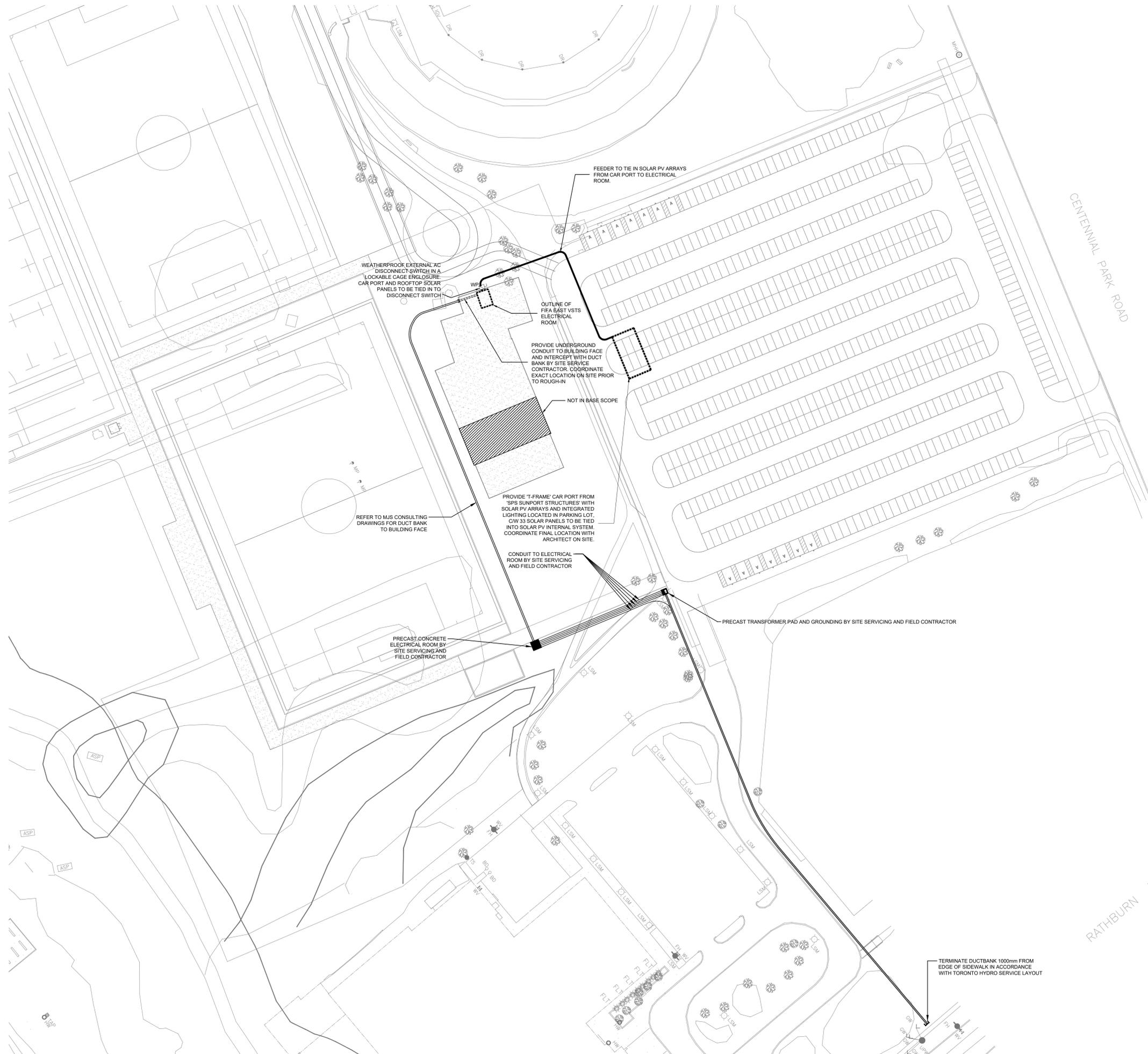
FIFA - EAST VSTS CENTENNIAL PARK
 Address: 56 Centennial Park Rd, Toronto, ON

GENERAL NOTES & SCOPE OF WORK

project no.: 2024-0112
 scale: N.T.S.
 date:
 drawing no.:

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ISSUED FOR PROGRESS	2024.08.23
ISSUED FOR PROGRESS	2024.08.15
revision	date

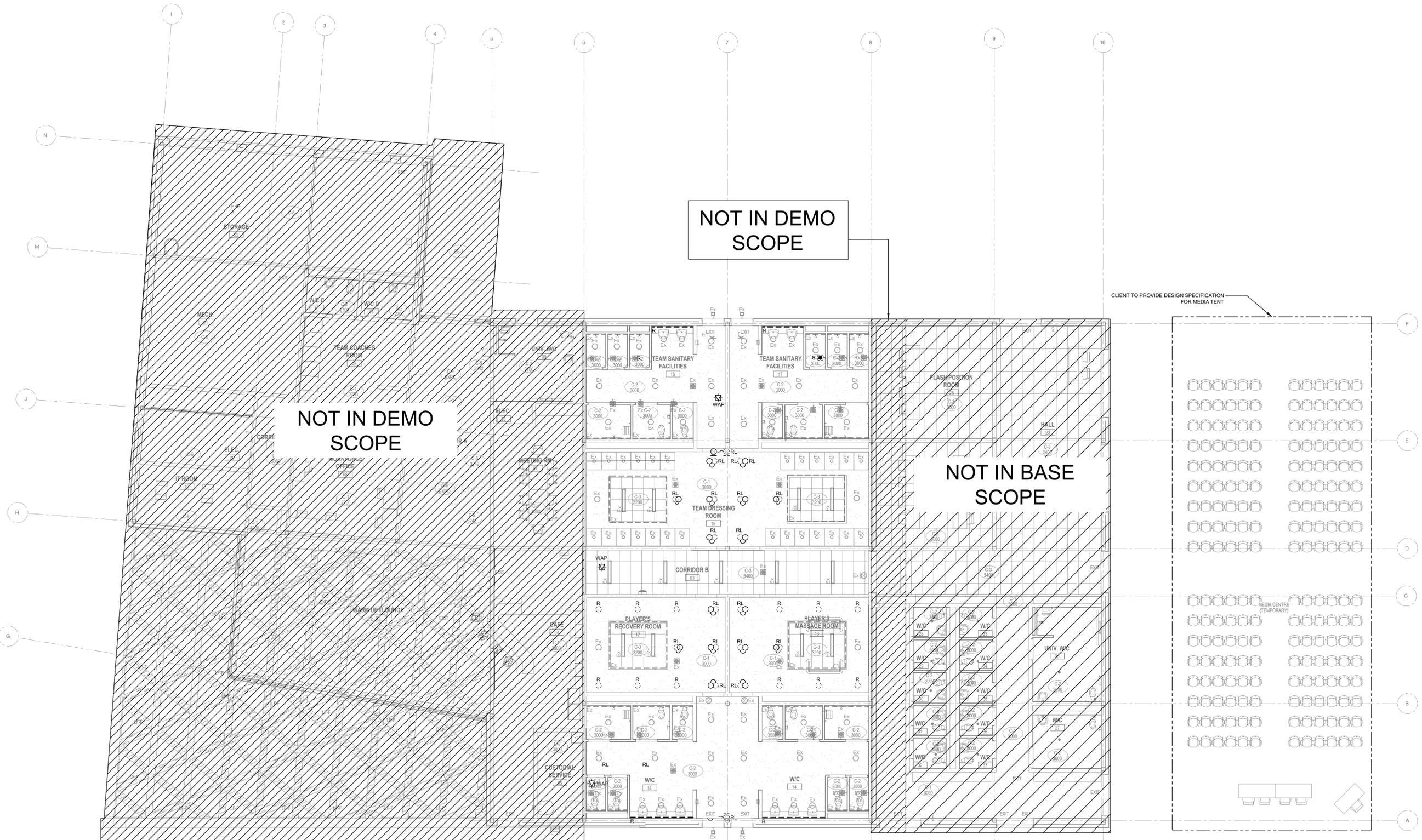


FIFA - EAST VSTS CENTENNIAL PARK
Address: 56 Centennial Park Rd, Toronto, ON
SITE PLAN

project no.: 2024-0112
scale: 1:500
date:
drawing no.:

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ISSUED FOR PROGRESS	2024.08.23
ISSUED FOR PROGRESS	2024.08.15
revision	date

FIFA - EAST VSTS CENTENNIAL PARK
 Address: 56 Centennial Park Rd, Toronto, ON
DEMOLITION REFLECTED CEILING PLAN - GAME TO LEGACY

project no.: 2024-0112
 scale: 1:100
 date:
 drawing no.:

general notes:

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2. Drawings are not to be scaled for construction. Contractor to verify all existing conditions and dimensions required to perform the Work, and report any discrepancies with the Contract Documents to the Architect before commencing work.
3. Positions of exposed or finished mechanical or electrical devices, fittings, and fixtures are indicated on the Architectural drawings. The locations shown on the Architectural drawings govern over the Mechanical and Electrical drawings. Those items not clearly located will be located as per directed by the Architect.



DASHED LINES INDICATES ROOF ABOVE



ISSUED FOR TENDER	2024.11.08
ISSUED FOR TENDER	2024.11.01
ISSUED FOR PROGRESS	2024.08.23
ISSUED FOR PROGRESS	2024.08.15
revision	date

FIFA - EAST VSTS CENTENNIAL PARK
Address: 56 Centennial Park Rd, Toronto, ON
DEMOLITION FLOOR PLAN - GAME TO LEGACY

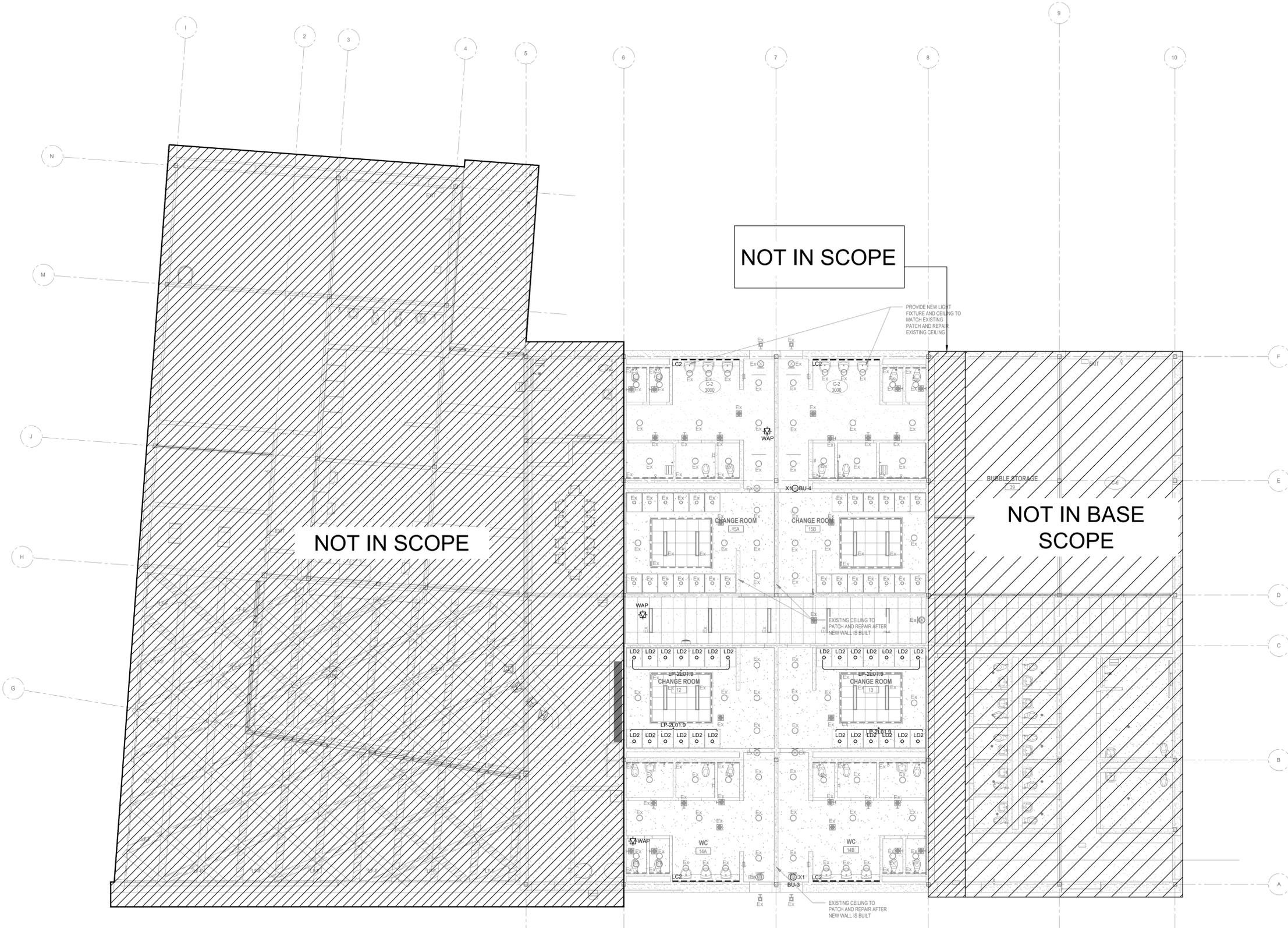
project no.: 2024-0112
scale: 1:100
date:
drawing no.:

ED-300.0

general notes:

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- NOTES
1. TYPE EX INGROUND RECESSED UPLIGHT. REFER TO FIXTURE SCHEDULE FOR MORE INFORMATION.
 2. TYPE EX SURFACE MOUNTED TO WOOD CEILING STRUCTURE. ALLOW ALTERNATE PRICING.
 3. LIGHTING TO BE CONTROLLED VIA OCCUPANCY SENSORS.
 4. PROVIDE OCCUPANCY SENSORS THROUGHOUT ALL CORRIDORS, AND IN EVERY ROOM INSIDE THE BUILDING. LIGHT FIXTURES IN EACH RESPECTIVE SPACE TO BE CONTROLLED BY RESPECTIVE OCCUPANCY SENSOR.



ISSUED FOR TENDER	2024.11.08
ISSUED FOR PROGRESS	2024.08.23
ISSUED FOR PROGRESS	2024.08.15
revision	date



FIFA - EAST VSTS CENTENNIAL PARK
Address: 56 Centennial Park Rd, Toronto, ON
REFLECTED CEILING PLAN - LEGACY LIGHTING LAYOUT

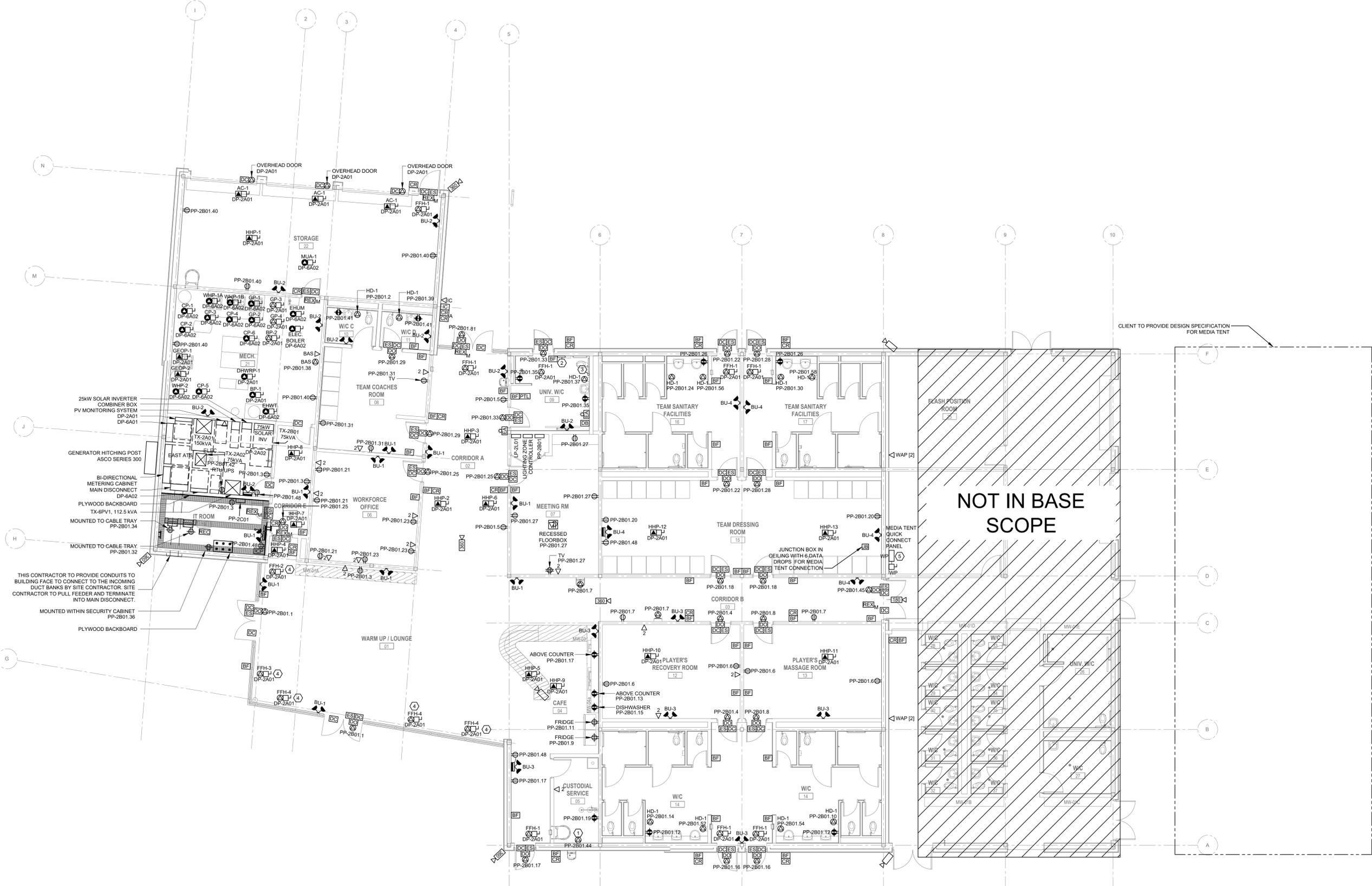
project no.: 2024-0112
scale: 1:100
date:
drawing no.:

general notes:

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- GENERAL NOTES**
1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL AND MECHANICAL DRAWINGS AND DOCUMENTS
 2. REFER TO ARCHITECTURAL DRAWINGS AND ELEVATIONS FOR FINAL DEVICE LOCATIONS. COORDINATE ALL LOCATIONS AND MOUNTING HEIGHTS WITH ARCHITECT PRIOR TO INSTALLATION
 3. COORDINATE FINAL MECHANICAL EQUIPMENT LOCATIONS WITH MECHANICAL CONTRACTOR ON SITE
 4. ALL RECEPTACLES SHALL BE CLEARLY LABELED WITH PANEL DESIGNATION AND CIRCUIT NUMBER FOLLOWING FINAL INSTALLATION

- NOTES**
1. ELECTRICAL CONNECTION TO SUPPLY HEAT TRACING TO GROUND FLOOR AND BELOW-GRADE PIPES GOING TO OUTSIDE BOTTLE FILLER
 2. PROVIDE HORIZONTAL STRIP PANIC BUTTON TO BE TIED TO UNIVERSAL WASHROOM EMERGENCY ASSISTANCE SWITCH.
 3. PROVIDE VERTICAL STRIP PANIC BUTTON TO BE TIED TO UNIVERSAL WASHROOM EMERGENCY ASSISTANCE SWITCH.
 4. ELECTRICAL CONTRACTOR TO COORDINATE POWER CONNECTION TERMINATION WITH MECHANICAL CONTRACTOR.
 5. QUICK CONNECT PANEL SHALL BE BY ASCO.



25KW SOLAR INVERTER
 COMBINER BOX
 PV MONITORING SYSTEM
 DP-2A01
 DP-6A01

GENERATOR HITCHING POST
 ASCO SERIES 300

BI-DIRECTIONAL
 METERING CABINET
 MAIN DISCONNECT
 DP-6A02

PLYWOOD BACKBOARD
 TX-6PV1, 112.5 KVA
 MOUNTED TO CABLE TRAY
 PP-2B01.34

MOUNTED TO CABLE TRAY
 PP-2B01.32

THIS CONTRACTOR TO PROVIDE CONDUITS TO BUILDING FACE TO CONNECT TO THE INCOMING DUCT BANKS BY SITE CONTRACTOR. SITE CONTRACTOR TO PULL FEEDER AND TERMINATE INTO MAIN DISCONNECT.

MOUNTED WITHIN SECURITY CABINET
 PP-2B01.36

PLYWOOD BACKBOARD



ISSUED FOR TENDER	2024.11.08
ISSUED FOR PROGRESS	2024.08.23
ISSUED FOR PROGRESS	2024.08.15
ISSUED FOR PROGRESS	2024.07.30
ISSUED FOR CLASS C COSTING	2024.06.28
ISSUED FOR COORDINATION	2024.05.31
revision	0000

FIFA - EAST VSTS
CENTENNIAL PARK
 Address: 56 Centennial Park Rd, Toronto, ON

FLOOR PLAN - GAME
POWER & SYSTEMS

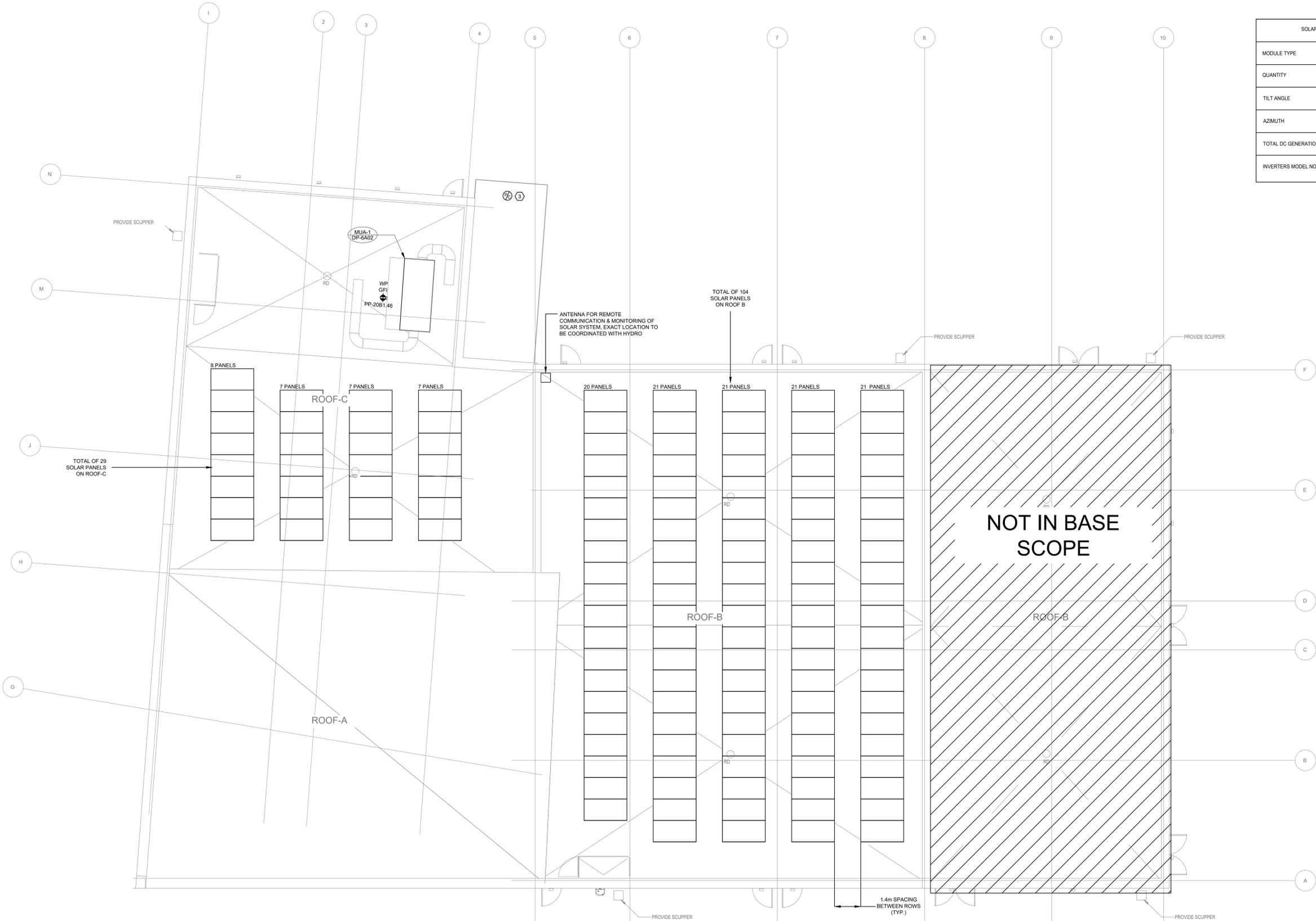
project no. : 2024-0112
 scale : 1:100
 date :
 drawing no. :

- PROVISIONS FOR SOLAR PANELS TO BE LOCATED ON ROOFTOP.
- PROVIDE SOLAR PV FRAME SHOP DRAWING PREPARED AND SEALED BY A LICENSED PROFESSIONAL ENGINEER (P. ENG.). SOLAR PV FRAME / SUPPORT SYSTEM SHALL NOT HAVE PENETRATION THROUGH ROOF MEMBRANE AND SHALL BE A BALLASTED SYSTEM. REVIEW THE STRUCTURAL DRAWINGS FOR STRUCTURAL LOADING CRITERIA AND TAKE INTO ACCOUNT WHEN PREPARING SHOP DRAWINGS.
- EXTERIOR LIGHTING TO BE CONTROLLED BY PHOTOCELL & DIGITAL SWITCH. REFER TO DETAIL 4/E-800.0 FOR EXTERIOR LIGHTING CONTROL SCHEMATIC.

general notes :

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SOLAR SYSTEM DESCRIPTION	
MODULE TYPE	C6W-55MS
QUANTITY	TOTAL OF 166 MODULES (133 ON ROOF, 33 ON CAR PORT)
TILT ANGLE	15°
AZIMUTH	158°
TOTAL DC GENERATION	92.1KW
INVERTERS MODEL NO.	CSI-25K-T480GL01-UB CSI-75K-T480GL02-U



ISSUED FOR TENDER	2024.11.08
ISSUED FOR PROGRESS	2024.08.23
ISSUED FOR PROGRESS	2024.08.15
revision	date

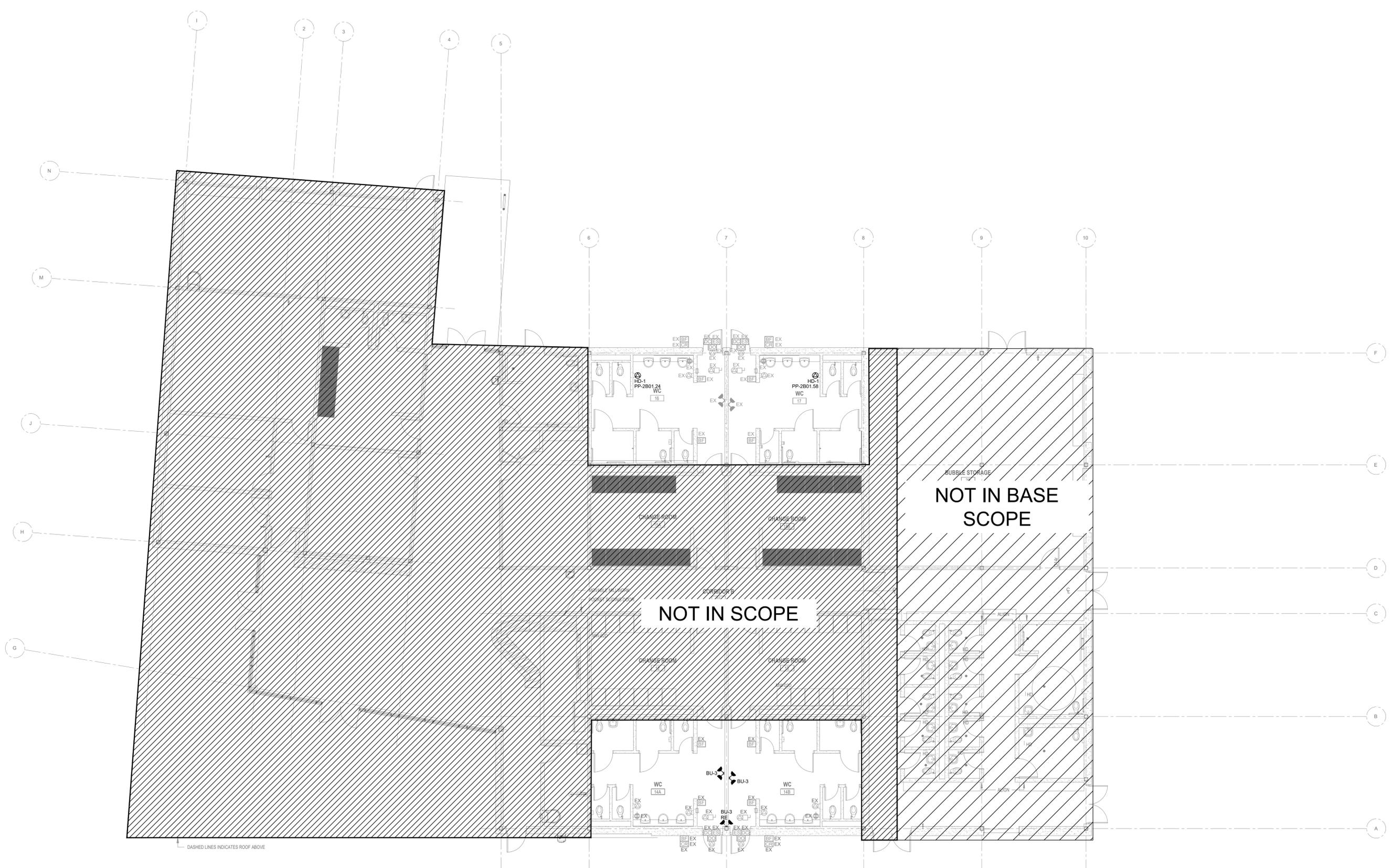
FIFA - EAST VSTS
CENTENNIAL PARK
Address: 56 Centennial Park Rd, Toronto, ON

ROOF PLAN

project no. : 2024-0112
scale : 1:100
date :
drawing no. :

general notes :

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ISSUED FOR TENDER	2024.11.08
ISSUED FOR PROGRESS	2024.08.23
ISSUED FOR PROGRESS	2024.08.15
revision	date

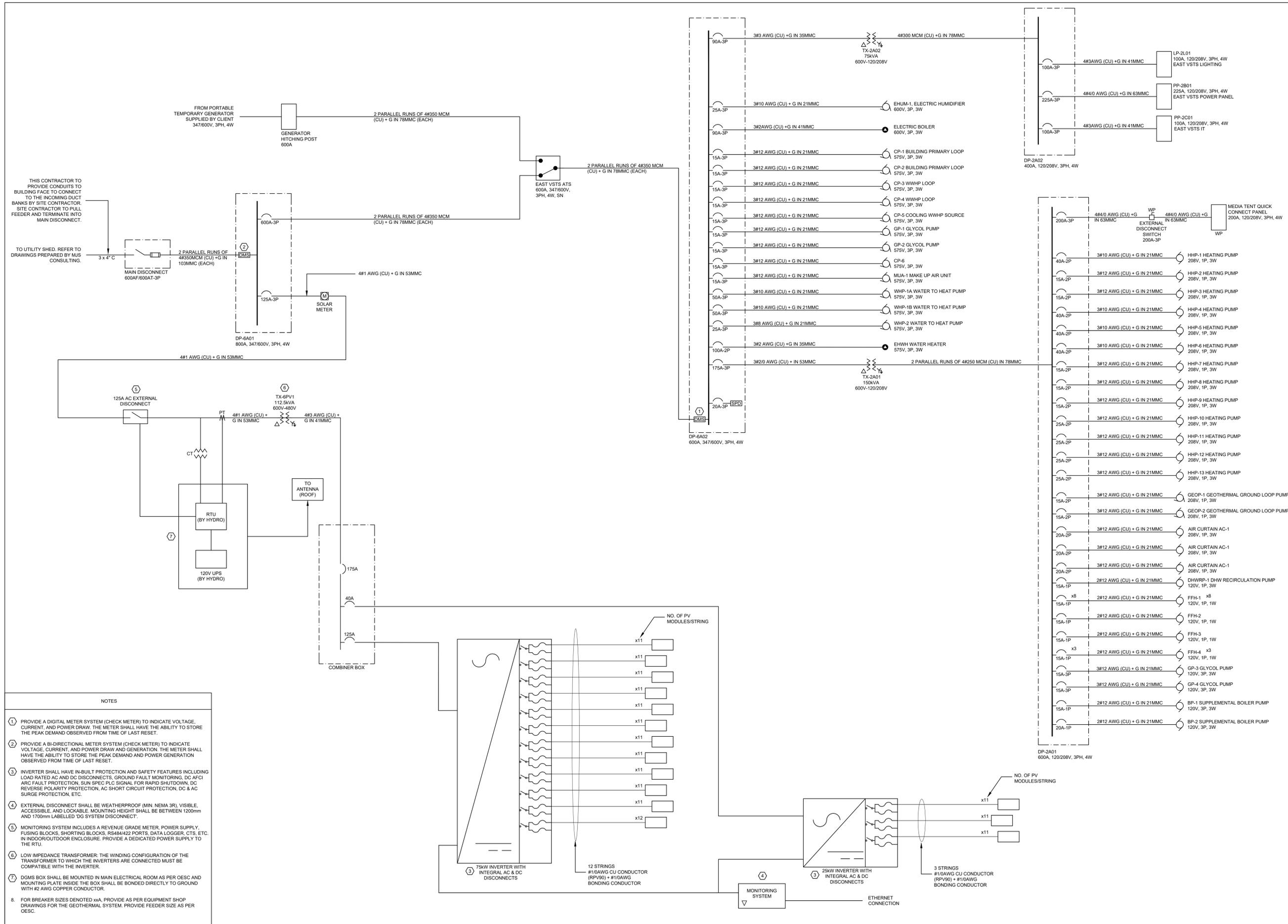


**FIFA - EAST VSTS
CENTENNIAL PARK**
Address: 56 Centennial Park Rd, Toronto, ON
**FLOOR PLAN - LEGACY
POWER & SYSTEMS**

project no. : 2024-0112
scale : 1:100
date :
drawing no. :

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- NOTES**
- PROVIDE A DIGITAL METER SYSTEM (CHECK METER) TO INDICATE VOLTAGE, CURRENT, AND POWER DRAW. THE METER SHALL HAVE THE ABILITY TO STORE THE PEAK DEMAND OBSERVED FROM TIME OF LAST RESET.
 - PROVIDE A BI-DIRECTIONAL METER SYSTEM (CHECK METER) TO INDICATE VOLTAGE, CURRENT, AND POWER DRAW AND GENERATION. THE METER SHALL HAVE THE ABILITY TO STORE THE PEAK DEMAND AND POWER GENERATION OBSERVED FROM TIME OF LAST RESET.
 - INVERTER SHALL HAVE IN-BUILT PROTECTION AND SAFETY FEATURES INCLUDING LOAD RATED AC AND DC DISCONNECTS, GROUND FAULT MONITORING, DC AFCI ARC FAULT PROTECTION, SUN SPEC PLC SIGNAL FOR RAPID SHUTDOWN, DC REVERSE POLARITY PROTECTION, AC SHORT CIRCUIT PROTECTION, DC & AC SURGE PROTECTION, ETC.
 - EXTERNAL DISCONNECT SHALL BE WEATHERPROOF (MIN. NEMA 3R), VISIBLE, ACCESSIBLE, AND LOCKABLE. MOUNTING HEIGHT SHALL BE BETWEEN 1200mm AND 1700mm LABELLED 'DG SYSTEM DISCONNECT'.
 - MONITORING SYSTEM INCLUDES A REVENUE GRADE METER, POWER SUPPLY, FUSING BLOCKS, SHORTING BLOCKS, RS484/422 PORTS, DATA LOGGER, CTS, ETC. IN INDOOR/OUTDOOR ENCLOSURE. PROVIDE A DEDICATED POWER SUPPLY TO THE RTU.
 - LOW IMPEDANCE TRANSFORMER: THE WINDING CONFIGURATION OF THE TRANSFORMER TO WHICH THE INVERTERS ARE CONNECTED MUST BE COMPATIBLE WITH THE INVERTER.
 - DMMS BOX SHALL BE MOUNTED IN MAIN ELECTRICAL ROOM AS PER OESC AND MOUNTING PLATE INSIDE THE BOX SHALL BE BONDED DIRECTLY TO GROUND WITH #2 AWG COPPER CONDUCTOR
 - FOR BREAKER SIZES DENOTED xxA, PROVIDE AS PER EQUIPMENT SHOP DRAWINGS FOR THE GEOTHERMAL SYSTEM. PROVIDE FEEDER SIZE AS PER OESC.

ISSUED FOR TENDER 2024.11.08
ISSUED FOR PROGRESS 2024.08.23
ISSUED FOR PROGRESS 2024.08.15
revision date

FIFA - EAST VSTS CENTENNIAL PARK
Address: 56 Centennial Park Rd, Toronto, ON
SINGLE LINE DIAGRAM

project no.: 2024-0112
scale: N.T.S.
date:
drawing no.:

general notes:

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MECHANICAL SCHEDULE																							
TAG	DESCRIPTION	LOCATION	KW	HP	VOLTS	PH	FLA (A)	MCA (A)	MOP (A)	FED FROM	TYPE	HAND-OFF-AUTO SELECTOR SWITCH	RUNNING PILOT LIGHT GREEN	OFF PILOT LIGHT RED	N.O.	N.C.	F.A. START UP	F.A. SHUT DOWN	BREAKER SIZE	WIRE SIZE	LIFE SAFETY	NON-LIFE SAFETY	
GEOP-1	GEO THERMAL GROUND LOOP	MECH ROOM	1.41		208	1	6.32		15										15A-2P	3#12AWG (CU) +G IN 21mmC			
GEOP-2	GEO THERMAL GROUND LOOP	MECH ROOM	1.41		208	1	6.32		15										15A-2P	3#12AWG (CU) +G IN 21mmC			
CP-1	BUILDING PRIMARY LOOP	MECH ROOM		3	575	3	3.9		15										15A/3P	3#12AWG (CU) +G IN 21mmC			
CP-2	BUILDING PRIMARY LOOP	MECH ROOM		3	575	3	3.9		15										15A/3P	3#12AWG (CU) +G IN 21mmC			
CP-3	WWHP LOOP	MECH ROOM		0.5	575	3	0.9		15										15A/3P	3#12AWG (CU) +G IN 21mmC			
CP-4	WWHP LOOP	MECH ROOM		0.5	575	3	0.9		15										15A/3P	3#12AWG (CU) +G IN 21mmC			
CP-5	COOLING WWHP SOURCE PUMP	MECH ROOM		3/4	575	3	1.3		15										15A/3P	3#12AWG (CU) +G IN 21mmC			
CP-6		MECH ROOM		2.5	575	3	3.9		15										15A/3P	3#12AWG (CU) +G IN 21mmC			
GP-1	HYDRONIC GLYCOL	MECH ROOM		2	575	3	2.7		15										15A/3P	3#12AWG (CU) +G IN 21mmC			
GP-2	MPH GLYCOL	MECH ROOM		2	575	3	2.7		15										15A/3P	3#12AWG (CU) +G IN 21mmC			
BP-1	SUPPLEMENTAL BOILER	MECH ROOM	.125		120	1	1.1		15										15A-1P	2#12AWG (CU) +G IN 21mmC			
BP-2	SUPPLEMENTAL BOILER	MECH ROOM		0.5	120	1	9.8		20										20A-1P	2#12AWG (CU) +G IN 21mmC			
DHWRP-1	DHW RECIRCULATION	MECH ROOM		1/12	120	1	1.4		15										15A-1P	2#12AWG (CU) +G IN 21mmC			
GP-3		MECH ROOM		0.4	120	1	4.7		15										15A/3P	3#12AWG (CU) +G IN 21mmC			
GP-4		MECH ROOM		0.4	120	1	4.7		15										15A/3P	3#12AWG (CU) +G IN 21mmC			
EHWT	ELECTRIC DOMESTIC WATER HEATER	MECH ROOM	90		575	3	90		100														
ELEC. BOILER	75KW ELEC BOILER	MECH ROOM	75		575	3	75		90														
MUA-1	MAKE-UP AIR UNIT	ROOF			600	3	8.9	9.83	15											15A/3P	3#12AWG (CU) +G IN 21mmC		
WHP-1A	MUA-1 HEATING	MECH ROOM			575	3	30.8	34.7	50											50A/3P	3#8AWG (CU) +G IN 21mmC		
WHP-1B	MUA-1 HEATING	MECH ROOM			575	3	30.8	34.7	50											50A/3P	3#8AWG (CU) +G IN 21mmC		
WHP-2	MUA-1 COOLING	MECH ROOM			575	3	7.7	9.6	25											25A/3P	3#10AWG (CU) +G IN 21mmC		
HHP-1	HEAT PUMP - STORAGE/MECH	CEILING SPACE			208	1	20.5	24.6	40											40A/2P	3#10AWG (CU) +G IN 21mmC		
HHP-2	HEAT PUMP - WORKFORCE OFFICE	CEILING SPACE			208	1	6.4	7.8	15											15A/2P	3#12AWG (CU) +G IN 21mmC		
HHP-3	HEAT PUMP - COACHES ROOM	CEILING SPACE			208	1	6.4	7.8	15											15A/2P	3#12AWG (CU) +G IN 21mmC		
HHP-4	HEAT PUMP - WARMUP LOUNGE	CEILING SPACE			208	1	20.5	24.6	40											40A/2P	3#10AWG (CU) +G IN 21mmC		
HHP-5	HEAT PUMP - WARMUP LOUNGE	CEILING SPACE			208	1	20.5	24.6	40											40A/2P	3#10AWG (CU) +G IN 21mmC		
HHP-6	HEAT PUMP - MEETING ROOM	CEILING SPACE			208	1	20.5	24.6	40											40A/2P	3#10AWG (CU) +G IN 21mmC		
HHP-7	HEAT PUMP - IT	CEILING SPACE			208	1	3.7	4.4	15											15A/2P	3#12AWG (CU) +G IN 21mmC		
HHP-8	HEAT PUMP - ELECTRICAL	CEILING SPACE			208	1	10	11.8	15											15A/2P	3#12AWG (CU) +G IN 21mmC		
HHP-9	HEAT PUMP - CAFÉ	CEILING SPACE			208	1	10	11.8	15											15A/2P	3#12AWG (CU) +G IN 21mmC		
HHP-10	HEAT PUMP - RECOVERY ROOM	CEILING SPACE			208	1	20.5	24.6	40											40A/2P	3#10AWG (CU) +G IN 21mmC		
HHP-11	HEAT PUMP - MASSAGE ROOM	CEILING SPACE			208	1	20.5	24.6	40											40A/2P	3#10AWG (CU) +G IN 21mmC		
HHP-12	HEAT PUMP - DRESSING ROOM A	CEILING SPACE			208	1	14.3	17.2	25											25A/2P	3#12AWG (CU) +G IN 21mmC		
HHP-13	HEAT PUMP - DRESSING ROOM B	CEILING SPACE			208	1	13.1	15.7	25											25A/2P	3#12AWG (CU) +G IN 21mmC		
EHUM-1	ELECTRIC RESISTIVE STEAM HUMIDIFIER		21.7		575	3	20.8		25											25A/3P	3#10AWG (CU) +G IN 21mmC		
AC-1	OVERHEAD DOOR AIR CURTAIN	STORAGE			208	1	12.9		20											20A/2P	3#12AWG (CU) +G IN 21mmC		
AC-2	OVERHEAD DOOR AIR CURTAIN	HALL			208	1	12.9		20											20A/2P	3#12AWG (CU) +G IN 21mmC		
FFH-1	HYDRONIC FORCE FLOW HEATER	EXIT VESTIBULE		.5	120	1	9.8		15											15A-1P	2#12AWG (CU) +G IN 21mmC		
FFH-2	HYDRONIC FORCE FLOW HEATER	WARMUP LOUNGE		.5	120	1	9.8		15											15A-1P	2#12AWG (CU) +G IN 21mmC		
FFH-3	HYDRONIC FORCE FLOW HEATER	WARMUP LOUNGE			120	1	3		15											15A-1P	2#12AWG (CU) +G IN 21mmC		
FFH-4	HYDRONIC FORCE FLOW HEATER	WARMUP LOUNGE			120	1	3		15											15A-1P	2#12AWG (CU) +G IN 21mmC		



ISSUED FOR TENDER 2024.11.08
ISSUED FOR PROGRESS 2024.08.23
ISSUED FOR PROGRESS 2024.08.15
revision date

FIFA - EAST VSTS
CENTENNIAL PARK
Address: 56 Centennial Park Rd, Toronto, ON
SCHEDULES

project no.: 2024-0112
scale: N.T.S.
date:
drawing no.:

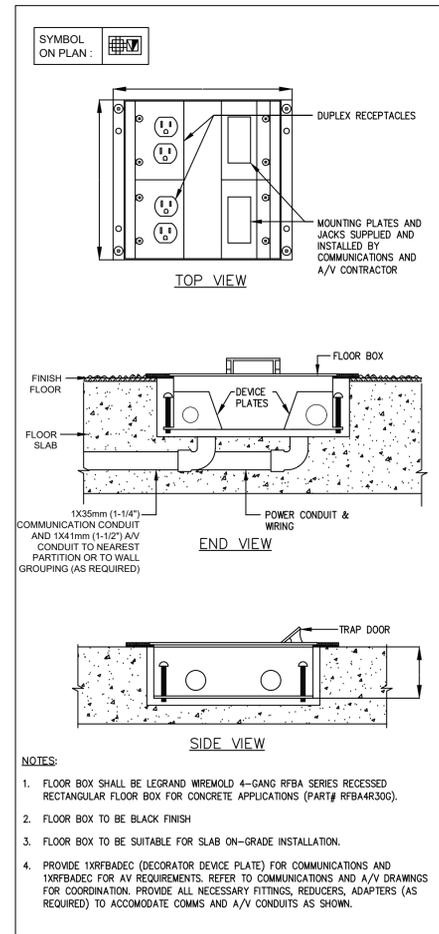
MISCELLANEOUS EQUIPMENT SCHEDULE						
TAG	DESCRIPTION	MANUFACTURER	MODEL	VOLTAGE (V)	MOP (A)	WATTAGE (W)
HD-1	HAND DRYER	DYSON	AIR BLADE V	120V	15A	1000W

1 MISCELLANEOUS EQUIPMENT SCHEDULE
E-801.0 SCALE: N.T.S.

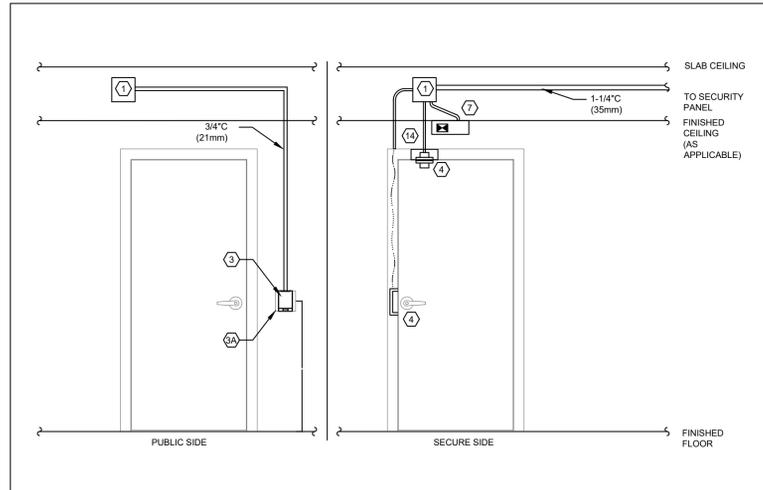
Type	Luminaire Description	Lamp & Wattage	Control Protocol	Input Voltage	Finish	Mounting	Location	Manufacturer & Catalogue #	Notes	Rep Contact
L02	Low profile LED light type system, with continuous extruded aluminum channel, (clear) encapsulated lens, wet rated, and remote driver. Fixture in upright position in indirect cove.	4WV 220mm x 3500K 80-CRI LED	TBD	120V	N/A	Surface (indirect cove)	Washrooms	Acuity-QTL lighting: Essentials LA-D encapsulated (E3) slide with series LL35W4 0-35-ENC-STD-XX-XX-XX-CLS-STD-STD-XX-XX-XX-XX-0	Coordinate remote driver location with Architect	Sergo DaSilva at Sergio.daSilva@autybrands.com
L02	Small 2" dia. aperture downlight recessed in millwork, installed from below application	70mm 3500K 80-CRI LED	TBD	120V	Architect to select from standard options	Recessed (Millwork)	Change room	Acuity-Gotham: EVO-Z downlight EVOZRS-35-15-SOL-ND-120-V02-XX-XX		Sergo DaSilva at Sergio.daSilva@autybrands.com
L05A	Fully recessed normally 4" dia. aperture LED downlight with medium beam distribution, with integral LED light engine and integral driver. Shower rated	14W 1500lm 3500K 80-CRI LED	TBD	120V	Architect to select from standard options	Recessed (GWB)	Washrooms	Acuity-Gotham: EVO-F Shower downlight EVOFRS-35-15-XXX-120-XXX-XX-XX		Sergo DaSilva at Sergio.daSilva@autybrands.com
L016	Normally 2.5" wide and fit long utilization spotlight, integral LED light engine and integral driver	38W 4000lm 3500K 80-CRI LED	TBD	120V	N/A	Surface	Bubble Storage	Acuity-Lithonia Lighting: CSS LED strip light series CSS-148-ALC0-(3000)-MVOLT-SWWS-(35)-80CRI		Sergo DaSilva at Sergio.daSilva@autybrands.com

Notes:
 - All luminaire values shown in schedule are "nominal" lumens based on fixture catalog information. Lumens value noted with an asterisk (*) denotes "delivered" specific to the fixture with various finish, details, etc. selected based on IES file data.
 - Refer to lighting fixture cutsheet packages for fixture image and additional information.
 - Fixtures not automatically approved when listed as "approved equal" with no catalogue number. Manufacturer must provide specification information (cutsheet, installation info) and lighting calculation (if required) to prove fixture satisfies the fixture construction and performance requirements per original specification.
 OR
 - Where "or" approved alternate" is listed, only a true alternate can be submitted as required (if one exists). Contractor/manufacturer responsible for proving that alternate can meet same performance and design specifications/requirements as listed in specifications, and must be willing to provide light level calculations, as required, to prove alternate is suitable. Alternate fixture must ensure that Lighting Power Density (LPD) remains within permissible allowance. Manufacturer must also prove that submitted alternate fulfills LED requirements that original specification has already met.

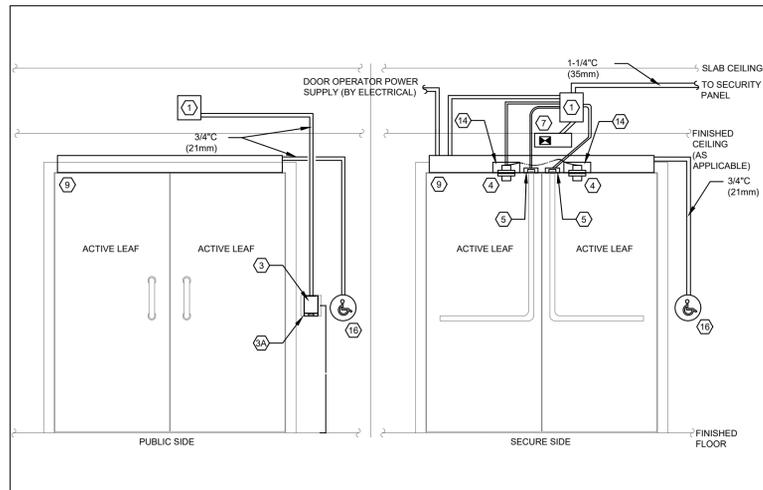
2 LEGACY LUMINAIRE FIXTURE SCHEDULE
E-801.0 SCALE: N.T.S.



3 FLOOR BOX DETAIL
E-801.0 SCALE: N.T.S.



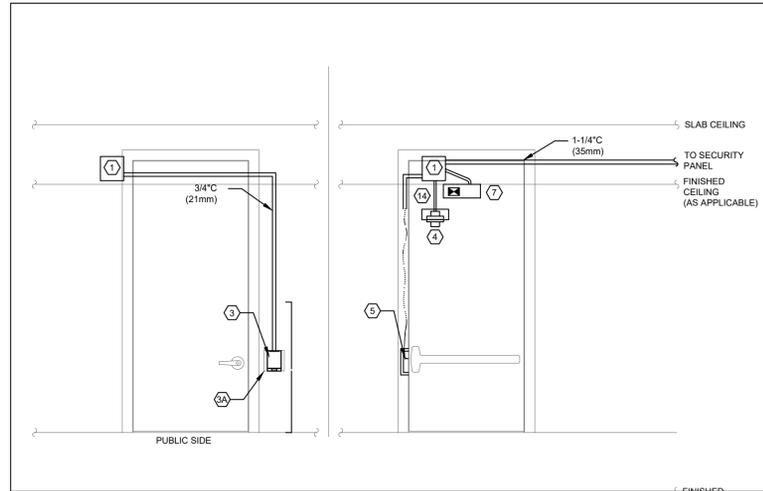
4 SINGLE DOOR W/ READER IN, ELECTRIC STRIKE
E-801.0 SCALE: N.T.S.



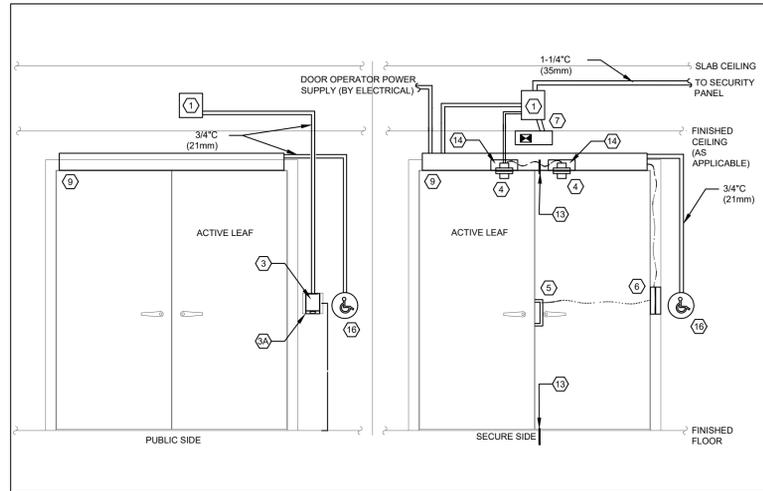
5 DOUBLE DOOR W/ READER IN, BARRIER FREE, ELECTRIC STRIKE
E-801.0 SCALE: N.T.S.

DOOR LEGEND & MATERIALS

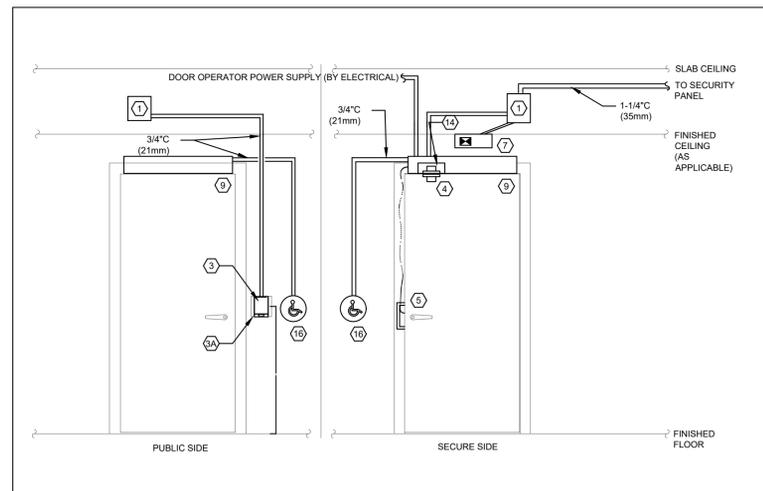
- | | | |
|---|---|--|
| 1 SECURITY JUNCTION BOX ON SECURE SIDE OF DOOR (BY ELECTRICAL) | 11 SINGLE GANG LATCHING DURESS | 17 CABLE INSIDE DOOR FRAMES/DOORS |
| 2 MAGNETIC LOCK | 12 MANUAL FIRE ALARM PULL STATION C/W AUXILIARY CONTACTS (BY FIRE ALARM CONTRACTOR) | 18 CONDUIT INSTALLED IN WALL SPACE |
| 3 PROXIMITY CARD READER | 13 MECHANICAL FLUSH BOLT | 19 CONDUIT INSTALLED IN CEILING SPACE |
| 3A DOUBLE GANG BACK BOX W/ SINGLE GANG TRIM PLATE (BY ELECTRICAL) | 14 DUST BOX / MORTAR SHIELD IN FRAME AS REQUIRED (BY DOOR HARDWARE) | 21 FOH REMOTE CARD READER BEHIND DECORATIVE PLATE |
| 4 RECESSED DOOR POSITION SWITCH | 15 OVER HEAD DOOR POSITION SENSOR WITH FLEXIBLE ARMOR CONDUIT | 22 ELECTRIC MORTISE LOCK W/ INTEGRATED REQUEST TO EXIT |
| 5 ELECTRIC STRIKE | 16 AUTOMATIC DOOR OPERATOR (BY DOOR HARDWARE) | 23 WIRELESS LOCK SET WITH INTEGRATED CARD READER, DOOR SWITCH, AND REQUEST TO EXIT |
| 6 POWER TRANSFER HINGE | 17 GUESTROOM WIRELESS LOCKSET W/ INTEGRATED CARD READER AND DOOR POSITION SWITCH | 24 INTERCOM |
| 7 REQUEST TO EXIT MOTION DETECTOR | 18 WIRELESS LOCK GATEWAY | 25 ELECTRIFIED PANIC W/ INTEGRATED REQUEST TO EXIT |
| 8 REQUEST TO EXIT PUSH BUTTON | 19 PANIC BAR | 26 WIRED LOCK GATEWAY |
| 9 AUTO DOOR OPERATOR EQUIPMENT (BY DOOR HARDWARE) | 20 RETRACTABLE LATCH | 27 GUESTROOM MANAGEMENT SYSTEM CONTROLLER BY GUESTROOM MANAGEMENT |



6 SINGLE DOOR W/ READER IN, ELECTRIC STRIKE, PANIC BAR
E-801.0 SCALE: N.T.S.



7 DOUBLE DOOR W/ READER IN, BARRIER FREE, ELECTRIC STRIKE
E-801.0 SCALE: N.T.S.



8 SINGLE DOOR W/ READER IN, BARRIER FREE, ELECTRIC STRIKE
E-801.0 SCALE: N.T.S.

general notes:

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- Drawings are not to be scaled for construction. Contractor to verify all existing conditions and dimensions required to perform the Work and report any discrepancies with the Contract Documents to the Architect before commencing work.
- Positions of exposed or finished mechanical or electrical devices, fittings, and fixtures are indicated on the Architectural drawings govern over the Mechanical and Electrical drawings. Those items not clearly located will be located as per directed by the Architect.



ISSUED FOR TENDER	2024.11.09
ISSUED FOR PROGRESS	2024.08.23
ISSUED FOR PROGRESS	2024.08.15
revision	date

FIFA - EAST VSTS CENTENNIAL PARK
Address: 56 Centennial Park Rd, Toronto, ON

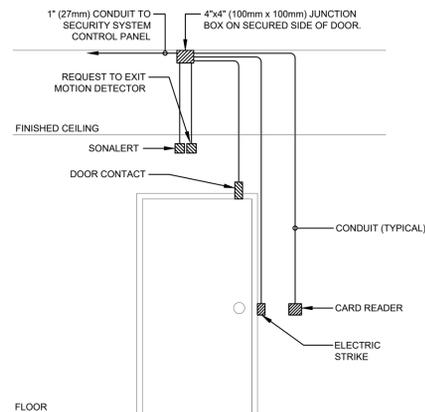
DETAILS PART 2

project no.: 2024-0112
scale: As Indicated
date:
drawing no.:

general notes:

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- Positions of exposed or finished mechanical or electrical devices, fittings, and fixtures are indicated on the Architectural drawings govern over the Mechanical and Electrical drawings. Those items not clearly located will be located as per directed by the Architect.

SYMBOL ON PLAN: [ES]



NOTES:

- ALL CONDUITS ARE 3/4" (21mm) UNLESS OTHERWISE NOTED.
- PROVIDE ALL BACKBOXES AS REQUIRED.
- COORDINATE WITH SECURITY CONTRACTOR FOR ALL WORK PRIOR TO ROUGH-IN.

1 SINGLE DOOR WITH ELECTRIC STRIKE, CARD READER IN

E-802.0 SCALE: N.T.S.

DOOR LEGEND & MATERIALS

- | | |
|--|--|
| ① SECURITY JUNCTION BOX ON SECURE SIDE OF DOOR (BY ELECTRICAL) | ⑪ SINGLE GANG LATCHING DURESS |
| ② MAGNETIC LOCK | ⑫ MANUAL FIRE ALARM PULL STATION C/W AUXILIARY CONTACTS (BY FIRE ALARM CONTRACTOR) |
| ③ PROXIMITY CARD READER | ⑬ MECHANICAL FLUSH BOLT |
| ④ RECESSED DOOR POSITION SWITCH | ⑭ DUST BOX / MORTAR SHIELD IN FRAME AS REQUIRED (BY DOOR HARDWARE) |
| ⑤ ELECTRIC STRIKE | ⑮ OVER HEAD DOOR POSITION SENSOR WITH FLEXIBLE ARMOR CONDUIT |
| ⑥ POWER TRANSFER HINGE | ⑯ AUTOMATIC DOOR OPERATOR PUSHBUTTON (BY DOOR HARDWARE) |
| ⑦ REQUEST TO EXIT MOTION DETECTOR | ⑰ GUESTROOM WIRELESS LOCKSET W/ INTEGRATED CARD READER AND DOOR POSITION SWITCH |
| ⑧ REQUEST TO EXIT PUSH BUTTON | ⑱ WIRELESS LOCK GATEWAY |
| ⑨ AUTO DOOR OPERATOR EQUIPMENT (BY DOOR HARDWARE) | ⑲ PANIC BAR |
| ⑩ CONCEALED LATCHING DURESS BUTTON | ⑳ RETRACTABLE LATCH |

LINE TYPES LEGEND

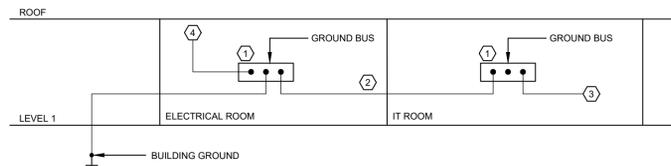
- | | |
|---|---|
| | CABLE INSIDE DOOR FRAMES/DOORS |
| | CONDUIT INSTALLED IN WALL SPACE |
| | CONDUIT INSTALLED IN CEILING SPACE |
| ⑳ | FOH REMOTE CARD READER BEHIND DECORATIVE PLATE |
| ㉑ | ELECTRIC MORTISE LOCK W/ INTEGRATED REQUEST TO EXIT |
| ㉒ | WIRELESS LOCK SET WITH INTEGRATED CARD READER, DOOR SWITCH, AND REQUEST TO EXIT |
| ㉓ | INTERCOM |
| ㉔ | ELECTRIFIED PANIC W/ INTEGRATED REQUEST TO EXIT |
| ㉕ | WIRED LOCK GATEWAY |
| ㉖ | GUESTROOM MANAGEMENT SYSTEM CONTROLLER BY GUESTROOM MANAGEMENT |

NOTES:

- PROVIDE CONDUIT AND JUNCTION BOX INFRASTRUCTURE C/W PULL STRING FOR ALL DOORS WITH SECURITY DEVICES.

NOTES

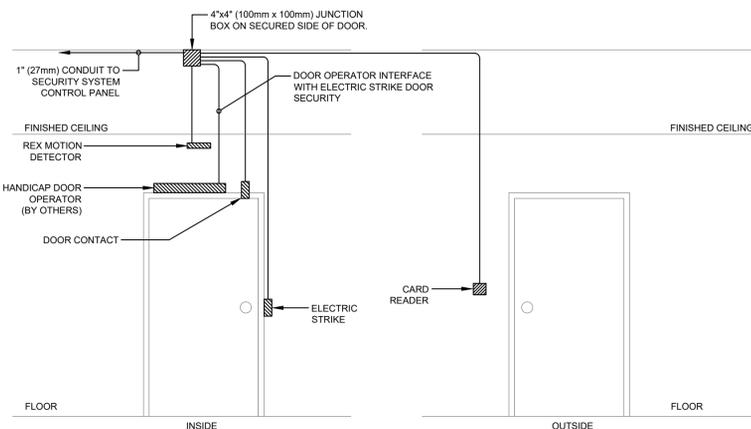
- PROVIDE A BUS BAR SIZED PER THE ELECTRICAL SPECIFICATION. THE BUS BAR MUST HAVE THREADED TAP HOLES TO ACCOMMODATE SPLIT BOLT CONNECTIONS OR COMPRESSION LUG BOLTS TO CONNECT ALL REQUIRED COPPER GROUND CABLES.
- PROVIDE #6 AWG GREEN INSULATED STRANDED COPPER CONDUCTOR TO IT ROOM.
- PROVIDE A #6 AWG GROUNDING CONDUCTOR TO ALL COMMUNICATIONS EQUIPMENT ENCLOSURES INSIDE ROOM.
- CONNECT ALL TRANSFORMER SECONDARY X0'S TO BUILDING'S GROUND RISER WITH #6 AWG (CU.) GROUNDING CONDUCTOR
- DESIGN OF BUILDING GROUNDING SYSTEM SIZING IS BASED ON COPPER WIRING.



3 GROUNDING RISER DIAGRAM

E-802.0 SCALE: N.T.S.

SYMBOL ON PLAN: [ES] [CR]



NOTES:

- ALL CONDUITS ARE MINIMUM 3/4" (21mm) UNLESS OTHERWISE NOTED.
- WIRING REQUIREMENTS SHALL BE AS PER APPLICABLE ACCESS SYSTEM MANUFACTURERS INSTALLATION DETAILS. UNLESS OTHERWISE APPROVED BY PROJECT MANAGER/LOCKSHOP. COORDINATE WITH TENANT SECURITY.
- ENSURE DOOR OPERATOR INTERFACE ENSURES DOOR SECURITY RELEASES BEFORE THE OPERATOR OPENS DOOR. COORDINATE WITH SECURITY AND DOOR HARDWARE.

2 SINGLE DOOR ELECTRIC STRIKE, CARD READER OUT

E-802.0 SCALE: N.T.S.



ISSUED FOR TENDER 2024.11.08
revision date

FIFA - EAST VSTS CENTENNIAL PARK

Address: 56 Centennial Park Rd, Toronto, ON

DETAILS PART 3

project no.: 2024-0112
scale: As Indicated
date:

drawing no.:

E-802.0

general notes:

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LIGHTING LEGEND		EXISTING DEVICES ARE TONED:
	2' x 2'	LED/FLUORESCENT LUMINAIRE - RECESSED, CEILING, SURFACE, OR SUSPENDED (NEW or EXISTING IN RELOCATED POSITION)
	1' x 4'	
	2' x 4'	DIAGONAL DENOTES BASE BUILDING FIXTURE
		EXISTING BASE BUILDING LUMINAIRE TO REMAIN
		EXISTING BASE BUILDING LUMINAIRE TO BE REMOVED
		LUMINAIRE - WALL MOUNTED
		LUMINAIRE - RECESSED OR CEILING MOUNTED DOWNLIGHT
		SINGLE HEAD
		DOUBLE HEAD
		TRIPLE HEAD
		MULTI-HEAD - RECESSED OR CEILING MOUNTED
		LUMINAIRES - WALL MOUNTED
		LUMINAIRE - WALL WASHER/ ADJUSTABLE LUMINAIRE
		LUMINAIRE - STEP LIGHT
		LUMINAIRE - SUSPENDED / PENDANTS
		POLE MOUNTED LUMINAIRE
		ILLUMINATED BOLLARD
		LINEAR TRACK c/w TRACK HEADS. QUANTITY OF TRACK HEADS AS PER LUMINAIRE SCHEDULE.
		DENOTES LUMINAIRE ON EMERGENCY POWER
		LUMINAIRE USED AS NIGHT LIGHT
		COVE, UNDERCABINET, AND/OR INTEGRATED LINEAR LIGHTING STRIP. LENGTH TO BE FIELD MEASURED.
		LUMINAIRE DESIGNATOR LETTER DENOTES TYPE. REFER TO LUMINAIRE SCHEDULE.
BATTERY POWER EMERGENCY LIGHTING:		
		WALL MOUNTED
		CEILING MOUNTED
		EMERGENCY REMOTE LIGHTING HEAD. QUANTITY OF HEADS AS INDICATED.
		EMERGENCY LIGHTING BATTERY UNIT c/w REMOTE LIGHTING HEADS.
		TAG # INDICATES CIRCUITING FOR REMOTE HEADS.
EXIT SIGNS:		
		CEILING MOUNTED
		END MOUNTED
		WALL MOUNTED
		WALL MOUNTED WITH REMOTE HEADS/INTEGRATED BATTERY AS NOTED.
		TAG # DENOTES EXIT SIGN TYPE WHERE MULTIPLE TYPES ARE USED. REFER TO LUMINAIRE SCHEDULE.
SWITCHES AND SENSORS:		
		DENOTES SWITCH. TAG # INDICATES SWITCH TYPE/ACCESSORIES. 3' - 3-WAY, 4' - 4-WAY, K' - KEY, M' - MASTER, S' - VARIABLE SPEED
		DENOTES DIMMER SWITCH. TAG # INDICATES SWITCH TYPE/ACCESSORIES. 3' - 3-WAY DIMMER, 4' - 4-WAY DIMMER, LV' - LOW VOLTAGE DIMMER
		DENOTES SWITCH GANGED UNDER COMMON COVERPLATE (2, 3 & 4 SHOWN)
		OCCUPANCY SENSOR SWITCH
		LOW VOLTAGE SWITCH
		ALTERNATE VOLTAGE SWITCH (347V)
		WIRELESS SWITCH
		CEILING or WALL MOUNTED OCCUPANCY SENSOR. # DENOTES OCCUPANCY SENSOR TYPE.
		CEILING or WALL MOUNTED DAY LIGHT SENSOR. # DENOTES OCCUPANCY SENSOR TYPE.
		PHOTOCELL
		TIME SWITCH
		VARIABLE SPEED SWITCH
ABBREVIATIONS:		
AFI - ARC FAULT INTERRUPTER	AF - ABOVE FINISHED FLOOR	
AF - AMPS FRAME	AT - AMPS TRIM	
AV - AUDIO/VISUAL DEVICE	(C) DEDICATED CIRCUIT	
CH - COUNTER HEIGHT, 12" OR AS NOTED	CP - CHILD PROOF	
CLG - CEILING	CP - CONSOLIDATION POINT	
DW - DISHWASHER	EXP - EXPLOSION PROOF	
GFI - GROUND FAULT INTERRUPTER	GFCI - GROUND FAULT CURRENT INTERRUPTER	
GND - GROUND	GWB - GYPSUM WALL BOARD	
HK - HOUSE KEEPING	HP - HOSPITAL GRADE	
IDF - INTERMEDIATE DISTRIBUTION FRAME	IG - ISOLATED GROUND	
K - KEY OPERATED	MCS - MULTIMEDIA COMMUNICATION SYSTEM	
MDF - MAIN DISTRIBUTION FRAME	MH - MANHOLE	
MM - MULTIMODE	MW - MICROWAVE	
(N) - NORMAL CIRCUIT	NIC - NOT IN CONTRACT	
NL - NIGHT LIGHT	OIH - OVERHEAD	
PBX - PRIVATE BRANCH EXCHANGE	PR - PAIR	
R - TO BE REMOVED	RE - TO BE RELOCATED	
RL - RELOCATED POSITION	RF - REFRIGERATOR	
RA - RETURN AIR	S/A - SUPPLY AIR	
(SC) - SEPARATE CIRCUIT	SG - SINGLE GANG	
SM - SINGLE MODE	SS - STAINLESS STEEL	
TEMP - TEMPORARY	TG88 - TELECOM GROUNDING BUSBAR	
TL - TWIST LOCK	TSER - TELECOM SERVICE ENTRANCE ROOM	
TR - TAMPER RESISTANT	TYF - TYPICAL	
UG - UNDERGROUND	UIS - UNDERSIDE	
UN - UNLESS OTHERWISE NOTED	UPS - UNINTERRUPTIBLE POWER SUPPLY	
UTP - UNSHIELDED TWISTED PAIR	WAP - WIRELESS ACCESS POINT	
WG - WIRE GUARD	WW - WATERWAY	
WP - WEATHER PROOF	WT - WATER TIGHT	

ELECTRICAL LEGEND		EXISTING DEVICES ARE TONED:
	120V, SINGLE PHASE DIRECT CONNECTION	
	208V, SINGLE PHASE DIRECT CONNECTION	
	208V, THREE PHASE DIRECT CONNECTION	
	600V, SINGLE PHASE DIRECT CONNECTION	
	600V, THREE PHASE DIRECT CONNECTION	
	___V, SINGLE PHASE DIRECT CONNECTION - VOLTAGE AS NOTED	
	___V, THREE PHASE DIRECT CONNECTION - VOLTAGE AS NOTED	
	DISCONNECT SWITCH - NON-FUSED	
	DISCONNECT SWITCH - FUSED	
	DISCONNECT SWITCH - BUS PLUG	
	DISTRIBUTION BOX. 'JB' DENOTES JUNCTION BOX OR PULL BOX 'B' DENOTES BLANK BOX	
	VARIABLE FREQUENCY DRIVE	
	ELECTRICAL PANELBOARD - SURFACE MOUNTED	
	ELECTRICAL PANELBOARD - RECESSED	
	UTILITY PANEL/CABINET (ie: FIRE, COMMS etc.) - SURFACE MOUNTED	
	UTILITY PANEL/CABINET (ie: FIRE, COMMS etc.) - RECESSED	
	LOOSE COMBINATION MOTOR STARTER	
	LOOSE MOTOR STARTER	
	CONTACTOR	
	TRANSFORMER - FLOOR MOUNTED. SIZE AND TYPE AS INDICATED.	
	TRANSFORMER - SUSPENDED. SIZE AND TYPE AS INDICATED.	
	EMERGENCY POWER SHUTOFF PUSHBUTTON	
	PUSH BUTTON STATION	
	DUPLEX, 1-GANG RECEPTACLE - 5-15R UNLESS NOTED	
	DUPLEX, 1-GANG RECEPTACLE - CEILING MOUNTED. 5-15R UNLESS NOTED	
	DUPLEX, 1-GANG RECEPTACLE - FLOOR MOUNTED. 5-15R UNLESS NOTED	
	DUPLEX, 1-GANG RECEPTACLE - 5-20R UNLESS NOTED	
	DUPLEX, 1-GANG RECEPTACLE - CEILING MOUNTED. 5-20R UNLESS NOTED	
	DUPLEX, 1-GANG RECEPTACLE - FLOOR MOUNTED. 5-20R UNLESS NOTED	
	SINGLE RECEPTACLE - 5-15R UNLESS NOTED	
	SINGLE RECEPTACLE - CEILING MOUNTED. 5-15R UNLESS NOTED	
	SINGLE RECEPTACLE - FLOOR MOUNTED. 5-15R UNLESS NOTED	
	SINGLE TWISTLOCK RECEPTACLE - L5-15R UNLESS NOTED	
	SINGLE TWISTLOCK RECEPTACLE - CEILING MOUNTED. L5-15R UNLESS NOTED	
	SINGLE TWISTLOCK RECEPTACLE - FLOOR MOUNTED. L5-15R UNLESS NOTED	
	GROUND FAULT INTERRUPTER (GFI) RECEPTACLE 5-15R, 5mA UNLESS NOTED	
	GROUND FAULT INTERRUPTER (GFI) RECEPTACLE - CEILING MOUNTED 5-15R, 5mA UNLESS NOTED	
	GROUND FAULT INTERRUPTER (GFI) RECEPTACLE - FLOOR MOUNTED 5-15R, 5mA UNLESS NOTED	
	GROUND FAULT INTERRUPTER (GFI) RECEPTACLE 5-20R, 5mA UNLESS NOTED	
	GROUND FAULT INTERRUPTER (GFI) RECEPTACLE - CEILING MOUNTED 5-20R, 5mA UNLESS NOTED	
	GROUND FAULT INTERRUPTER (GFI) RECEPTACLE - FLOOR MOUNTED 5-20R, 5mA UNLESS NOTED	
	DUPLEX, 1-GANG RECEPTACLE OUTLET - WITH USB	
	DUPLEX, 1-GANG RECEPTACLE OUTLET - CEILING MOUNTED WITH USB	
	DUPLEX, 1-GANG RECEPTACLE OUTLET - FLOOR MOUNTED WITH USB	
	SPLIT RECEPTACLE - 5-15R	
	SPLIT RECEPTACLE - CEILING MOUNTED. 5-15R	
	SPLIT RECEPTACLE - FLOOR MOUNTED. 5-15R	
	SPLIT RECEPTACLE - 5-20R	
	SPLIT RECEPTACLE - CEILING MOUNTED. 5-20R	
	SPLIT RECEPTACLE - FLOOR MOUNTED. 5-20R	
	DUPLEX, 1-GANG RECEPTACLE - 5-15R, ONE HALF CONTROLLED BY WALL SWITCH	
	DUPLEX, 1-GANG RECEPTACLE - 5-20R, ONE HALF CONTROLLED BY WALL SWITCH	
	QUAD, 2-GANG RECEPTACLE, 5-15R UNLESS NOTED	
	QUAD, 2-GANG RECEPTACLE - FLOOR MOUNTED, 5-15R UNLESS NOTED	
	QUAD, 2-GANG RECEPTACLE - CEILING MOUNTED, 5-15R UNLESS NOTED	
	STOVE RECEPTACLE - 14-50R, 125/250V, 50A	
	DRYER RECEPTACLE - 14-30R, 125/250V, 30A	
	COMBINATION OUTLET - WALL MOUNTED - AS DETAILED	
	COMBINATION OUTLET - FLOOR MOUNTED - AS DETAILED	
	SERVICE POLE - SERVICE POLE FEED TO FURNITURE SYSTEM	
	FEED FOR POWER & COMMUNICATIONS TO SYSTEM FURNITURE - WALL or COLUMN MOUNTED	
	FEED FOR POWER & COMMUNICATIONS TO SYSTEM FURNITURE - FLOOR MOUNTED	
	FEED FOR POWER & COMMUNICATIONS TO SYSTEM FURNITURE - SURFACE RACEWAY MOUNTED	

MISCELLANEOUS LEGEND		EXISTING DEVICES ARE TONED:
	REFER TO KEYNOTE NOTE' NUMBER	
	REFER TO DETAIL NOTE' NUMBER	
	DENOTES EXISTING DEVICE(S), WIRING OR CONDUIT TO BE 'REMOVED'	
	DENOTES MATCHLINE	
	DENOTES CROSS SECTION DETAIL CALL OUT	
	DENOTES DETAIL CALL OUT	
	DENOTES MECHANICAL EQUIPMENT TAG	
	DENOTES PANEL FEED	
MISCELLANEOUS DEVICES:		
	CONDUIT RUN UP	
	CONDUIT RUN DOWN	
	CONDUIT STUB	
	SURFACE RACEWAY	
	ELECTRIC BASEBOARD HEATER. SIZE AND VOLTAGE AS INDICATED. ALL BASEBOARDS COMPLETE WITH BUILT-IN THERMOSTAT	
	ELECTRIC PIPE TRACE HEATING CABLE - SIZE AS NOTED REFER TO PIPE TRACE SCHEDULE	
	ELECTRIC PIPE TRACE HEATING RISER CABLE - SIZE AS NOTED REFER TO PIPE TRACE SCHEDULE	
	DRYER CURRENT SENSOR	
	FORCE FLOW HEATER - SURFACE MOUNTED	
	FORCE FLOW HEATER - RECESSED MOUNTED	
	UNIT HEATER - CEILING MOUNTED	
	GROUND BAR	
	LINE VOLTAGE THERMOSTAT	
	CORE DRILL LOCATION FOR CONDUIT STUB-UPS	
	INVERTER	
GROUNDING DEVICES:		
	CONNECTION POINT	
	GROUND POINT	

SYSTEMS LEGEND		EXISTING DEVICES ARE TONED:
	WALL	COMPLETE WITH BACKBOX, PULL CORD AND 27mm CONDUIT BACK TO THE NEAREST COMMUNICATIONS ROOM, CLOSET, OR LOCAL CABLE TRAY, UNLESS SPECIFICALLY NOTED OTHERWISE 'F' DENOTES NUMBER OF OUTLETS
	FLOOR	
	CEILING	
VOICE OUTLETS		
	WALL	COMPLETE WITH BACKBOX, PULL CORD AND 27mm CONDUIT BACK TO THE NEAREST COMMUNICATIONS ROOM, CLOSET, OR LOCAL CABLE TRAY, UNLESS SPECIFICALLY NOTED OTHERWISE 'F' DENOTES NUMBER OF OUTLETS
	FLOOR	
	CEILING	
DATA/VOICE OUTLETS		
	WALL	COMPLETE WITH BACKBOX, PULL CORD AND 27mm CONDUIT BACK TO THE NEAREST COMMUNICATIONS ROOM, CLOSET, OR LOCAL CABLE TRAY, UNLESS SPECIFICALLY NOTED OTHERWISE
	FLOOR	
	CEILING	
TV OUTLETS		
	WALL	COMPLETE WITH BACKBOX, PULL CORD AND 27mm CONDUIT BACK TO THE NEAREST COMMUNICATIONS ROOM, CLOSET, OR LOCAL CABLE TRAY, UNLESS SPECIFICALLY NOTED OTHERWISE
	CEILING	
AUDIO/VISUAL LOCATION		
	WALL	AUDIO/VISUAL
	CEILING	
		MUSIC SPEAKER - CEILING, WALL MOUNTED
		SOUND MASKING SPEAKER
WIRELESS ACCESS POINT (WAP) LOCATION		
	WALL	WIRELESS ACCESS POINT (WIFI)
	CEILING	
		CONDUIT DESIGNATION
		DATA ZONE CONDUIT
		VOICE ZONE CONDUIT
		CABLE TRAY AS NOTED
		CLOCKS - CEILING & WALL MOUNTED-LINES DENOTE CLOCK FACE DIRECTION
PUBLIC ADDRESS SYSTEM LOCATION		
	WALL	PUBLIC ADDRESS SYSTEM SPEAKER
	CEILING	
SECURITY AND ACCESS DEVICES		
	WALL OR CEILING	CLOSED CIRCUIT TELEVISION (SECURITY CAMERA)
	WALL	MOTION DETECTOR - SECURITY
	CEILING	
	WALL	GLASS BREAK SENSING DEVICE
	CEILING	
		CARD READER
		DOOR CONTACT
		ELECTRIC STRIKE
		ELECTRIC LATCH
		ELECTRO-MAGNETIC LOCKING DEVICE (MAG LOCK)
		ELECTRIC HOLD OPEN DEVICE
		REQUEST TO EXIT DEVICE
		SECURITY KEY PAD
		DOOR BELL
		DOOR BUZZER
		DOOR CHIME
		PANIC ALARM BUTTON
		SONA ALERT
		DOOR RELEASE BUTTON
		MAGNETIC DOOR HOLDER
		EMERGENCY RELEASE PULL STATION - BLUE
BARRIER-FREE WASHROOM DEVICES:		
		DOOR OPERATOR
		BARRIER-FREE DOOR OPERATOR ACTUATOR
		DURESS ALARM BUTTON
		INTERCOM DEVICE
		SYSTEM PUSH BUTTON LOCATION
		EMERGENCY ASSISTANCE - AUDIBLE & VISUAL SIGNAL
		PUSH-TO-LOCK DOOR DEVICE
		INTELLIGENT CONTROL PANEL

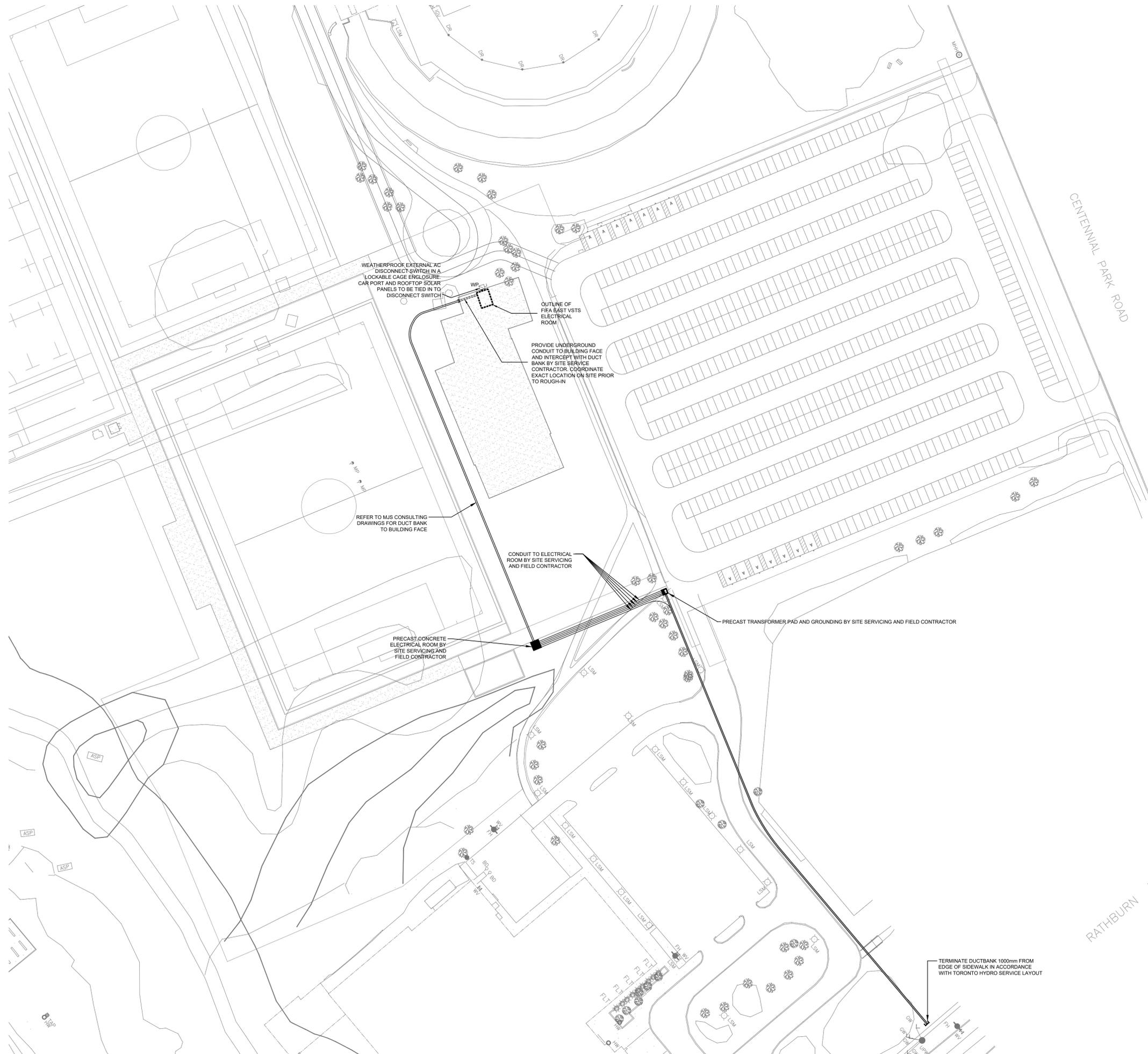
DISTRIBUTION LEGEND	
	TRANSFORMER. VOLTAGE AND RATING AS INDICATED.
	ISOLATION TRANSFORMER C/W ELECTROSTATIC SHIELD
	DELTA
	WYE
	CURRENT TRANSFORMER (CT)
	POTENTIAL TRANSFORMER (PT)
	MOLDED CASE CIRCUIT BREAKER (FIXED)
	MOTORIZED CIRCUIT BREAKER
	AIR CIRCUIT BREAKER (FIXED)
	AIR CIRCUIT BREAKER (DRAW OUT)
	HIGH VOLTAGE CIRCUIT BREAKER
	CONTACTOR - NORMALLY OPEN
	CONTACTOR - NORMALLY CLOSED
	FUSE
	DISCONNECT SWITCH (FUSED)
	DISCONNECT SWITCH (UNFUSED)
	LOAD BREAK SWITCH
	TRANSFER SWITCH (AUTOMATIC OR MANUAL)
	FEEDER
	BUS
	BUS DUCT RISER
	GENERATOR
	KIRK KEY INTERLOCK
	UTILITY METER
	UTILITY METER SOCKET
	UTILITY METER CABINET
	METERING POINT
	DIGITAL METERING SYSTEM
	SURGE PROTECTIVE DEVICE
	NEUTRAL GROUND
	GROUND FAULT PROTECTION DEVICE
	GROUNDING CONNECTION
	RELAY
	AMMETER
	VOLTMETER
	SINGLE PHASE MOTOR
	THREE PHASE MOTOR
	PANEL BOARD (SINGLE TUB)
	PANEL BOARD (DOUBLE TUB)

DEMOLITION	
	R - REMOVE RL - RELOCATE
	DENOTES EXISTING EQUIPMENT, DEVICES, CONDUIT TO BE 'REMOVED'
	DENOTES EXISTING DEVICES TO BE 'REMOVED'
	DENOTES EXISTING DEVICES TO BE 'RELOCATED'
EXISTING	
	EXISTING TO REMAIN (TONED)

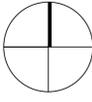
ELECTRICAL DRAWINGS LIST:	
DWG. No.	DRAWING TITLE
E-000.1	ELECTRICAL LEGEND AND DRAWING LIST
E-001.1	GENERAL NOTES & SCOPE OF WORK
E-100.1	SITE PLAN
ED-200.1	DEMOLITION REFLECTED CEILING PLAN - GAME TO LEGACY
ED-300.1	DEMOLITION FLOOR PLAN - GAME TO LEGACY
E-200.1	REFLECTED CEILING PLAN - GAME LIGHTING LAYOUT
E-201.1	REFLECTED CEILING PLAN - LEGACY LIGHTING LAYOUT
E-300.1	FLOOR PLAN - GAME
E-301.1	ROOF PLAN
E-302.1	FLOOR PLAN - LEGACY
E-500.1	SINGLE LINE DIAGRAM
E-700.1	

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ISSUED FOR TENDER	2024.11.08
ISSUED FOR PROGRESS	2024.08.23
ISSUED FOR PROGRESS	2024.08.15
ISSUED FOR PROGRESS	2024.07.30
ISSUED FOR CLASS C COSTING	2024.06.28
ISSUED FOR COORDINATION	2024.05.31
revision	DATE

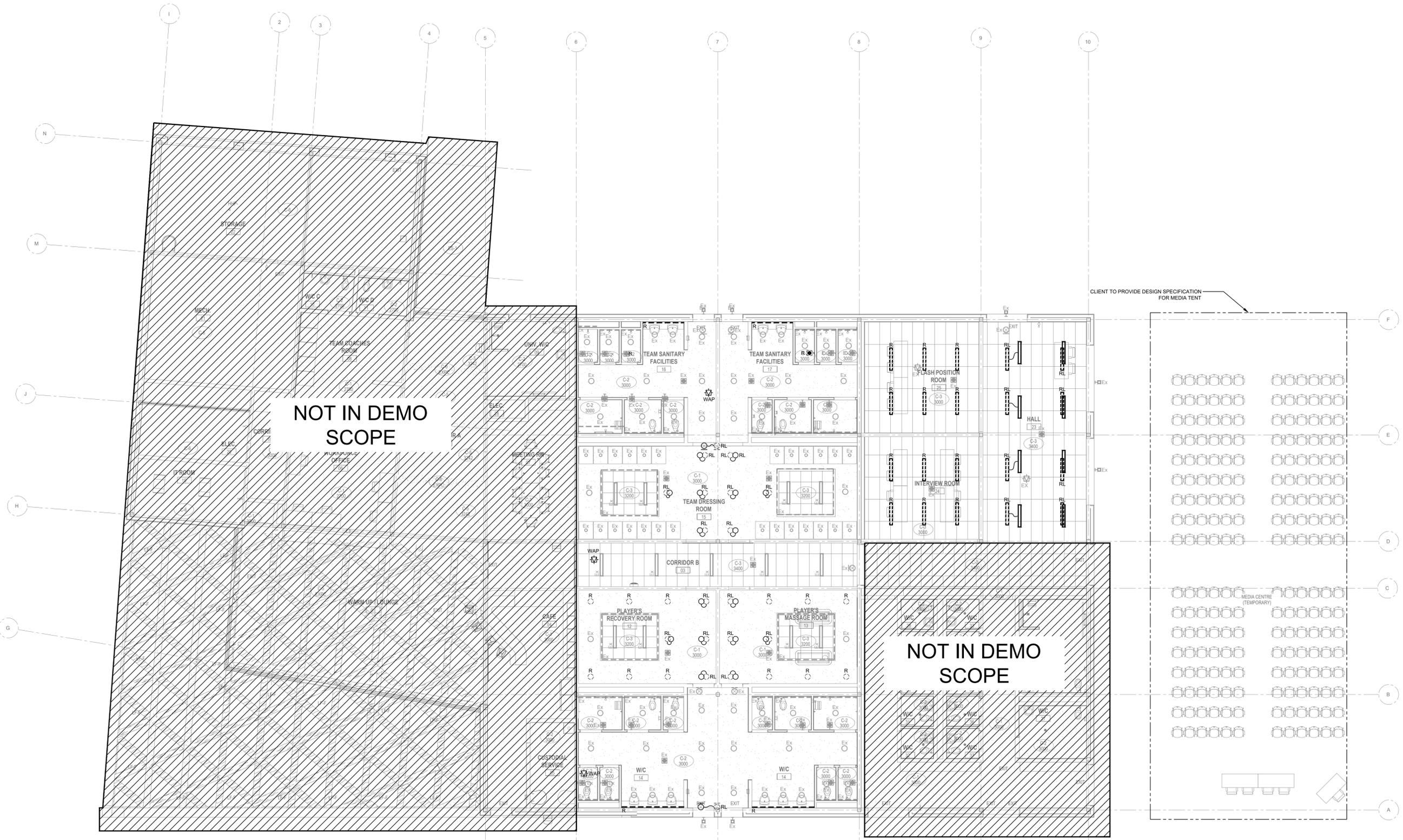


FIFA - EAST VSTS CENTENNIAL PARK
 Address: 56 Centennial Park Rd, Toronto, ON
SITE PLAN

project no.: 2024-0112
 scale: 1:500
 date:
 drawing no.:

general notes:

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ISSUED FOR PROGRESS	2024.08.15
ISSUED FOR PROGRESS	2024.08.15
ISSUED FOR PROGRESS	2024.07.30
revision	date



FIFA - EAST VSTS CENTENNIAL PARK
Address: 56 Centennial Park Rd, Toronto, ON
DEMOLITION REFLECTED CEILING PLAN - GAME TO LEGACY

project no.: 2024-0112
scale: 1:100
date:
drawing no.:

general notes:

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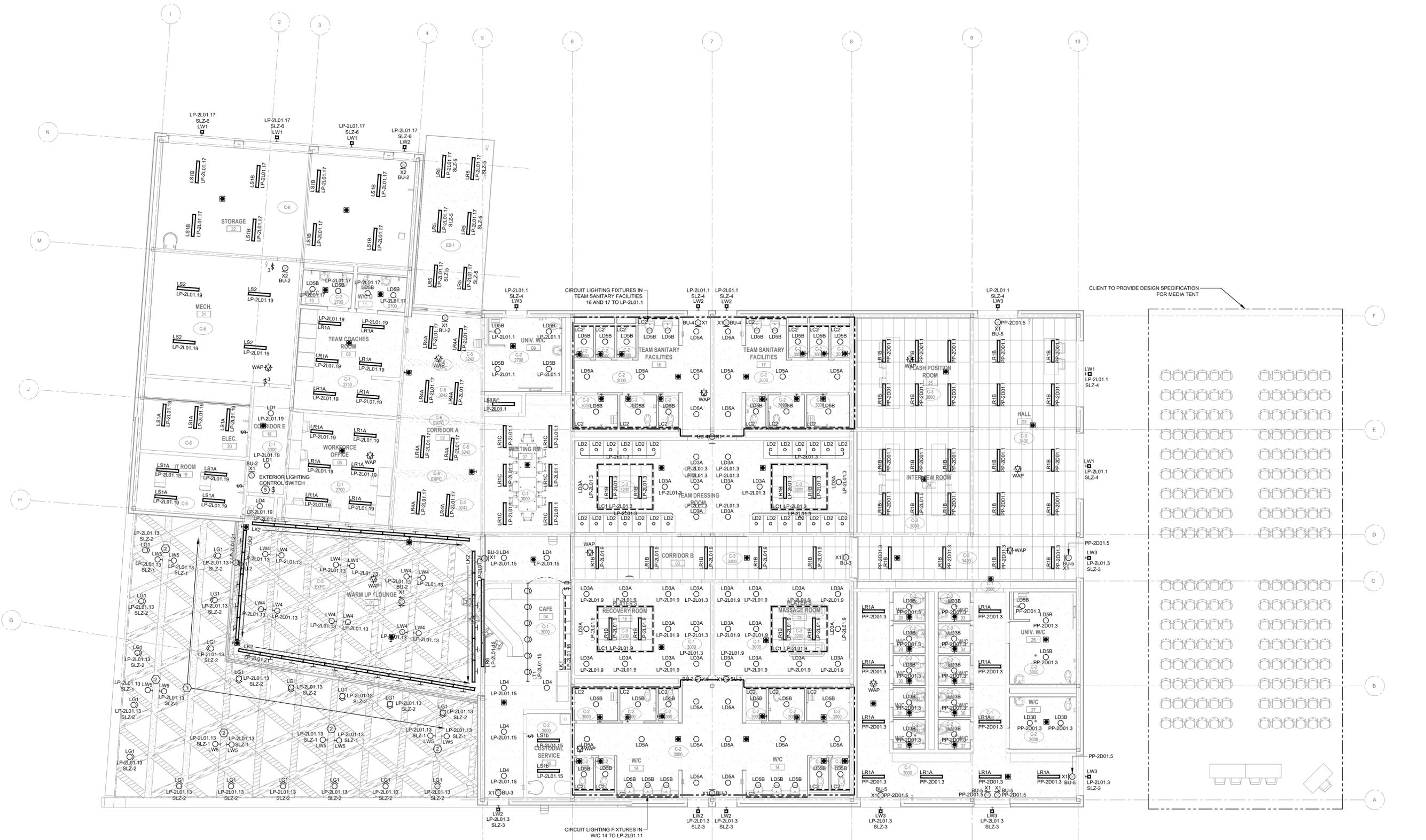


ISSUED FOR TENDER	2024.11.08
ISSUED FOR PROGRESS	2024.08.23
ISSUED FOR PROGRESS	2024.08.15
ISSUED FOR PROGRESS	2024.07.30
ISSUED FOR CLASS C COSTING	2024.06.28
ISSUED FOR COORDINATION	2024.05.31

FIFA - EAST VSTS CENTENNIAL PARK
Address: 56 Centennial Park Rd, Toronto, ON
REFLECTED CEILING PLAN - GAME LIGHTING LAYOUT

project no.: 2024-0112
scale: 1:100
date:
drawing no.:

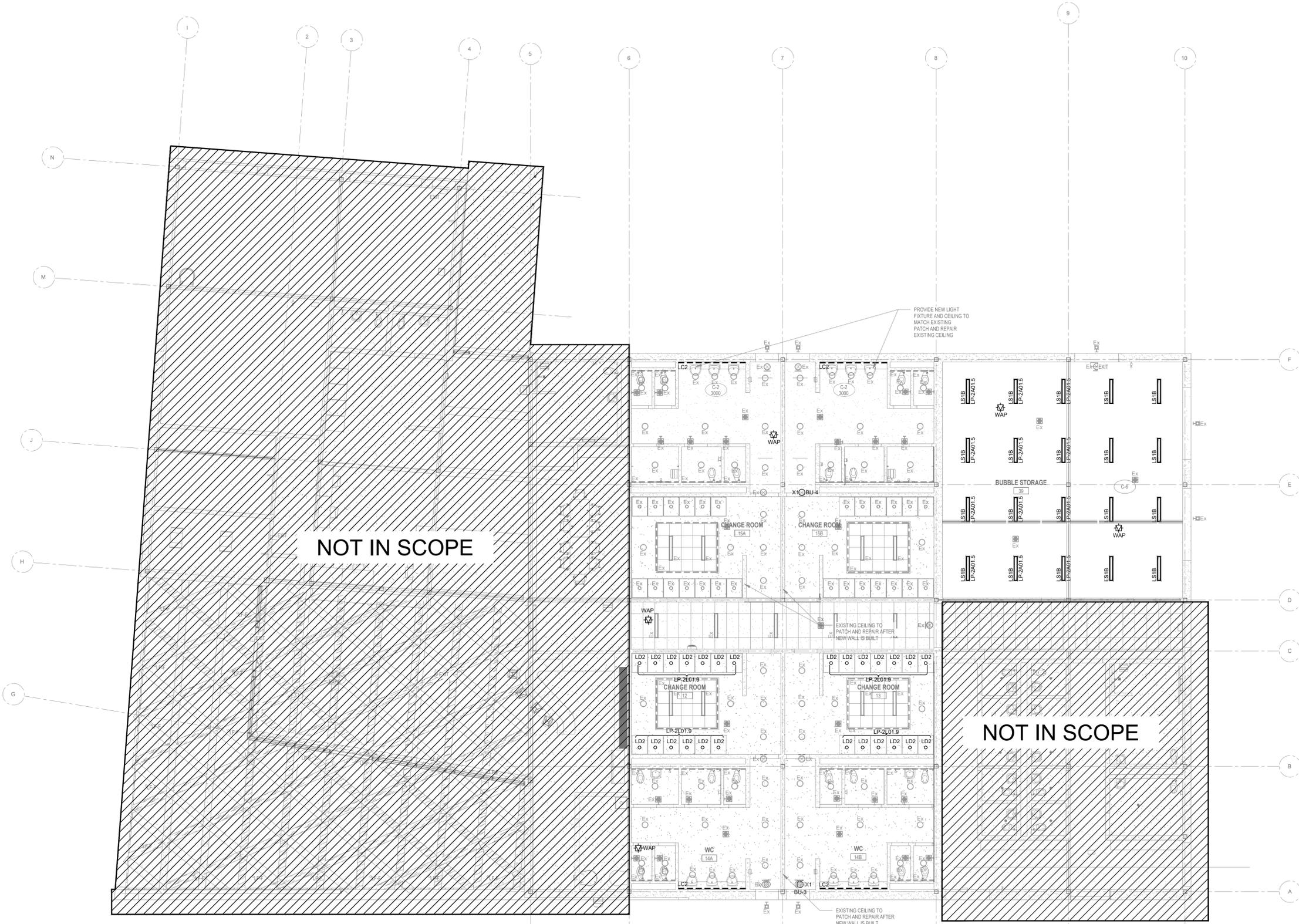
- NOTES
1. TYPE LG1 INGROUND RECESSED UPLIGHT. REFER TO FIXTURE SCHEDULE FOR MORE INFORMATION.
 2. TYPE LWS SURFACE MOUNTED TO WOOD CEILING STRUCTURE. ALLOW ALTERNATE PRICING.
 3. LIGHTING TO BE CONTROLLED VIA OCCUPANCY SENSORS, UNLESS INDICATED OTHERWISE.
 4. PROVIDE OCCUPANCY SENSORS THROUGHOUT ALL CORRIDORS, AND IN EVERY ROOM INSIDE THE BUILDING. LIGHT FIXTURES IN EACH RESPECTIVE SPACE TO BE CONTROLLED BY RESPECTIVE OCCUPANCY SENSOR.
 5. EXTERIOR LIGHTING TO BE CONTROLLED BY PHOTOCELL & DIGITAL SWITCH. REFER TO DETAIL 4/E-800.1 FOR EXTERIOR LIGHTING CONTROL SCHEMATIC.



general notes :

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- NOTES
1. TYPE EX INGROUND RECESSED UPLIGHT. REFER TO FIXTURE SCHEDULE FOR MORE INFORMATION.
 2. TYPE EX SURFACE MOUNTED TO WOOD CEILING STRUCTURE. ALLOW ALTERNATE PRICING.
 3. LIGHTING TO BE CONTROLLED VIA OCCUPANCY SENSORS.
 4. PROVIDE OCCUPANCY SENSORS THROUGHOUT ALL CORRIDORS, AND IN EVERY ROOM INSIDE THE BUILDING. LIGHT FIXTURES IN EACH RESPECTIVE SPACE TO BE CONTROLLED BY RESPECTIVE OCCUPANCY SENSOR.



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ISSUED FOR PROGRESS	2024.08.23
ISSUED FOR PROGRESS	2024.08.15
ISSUED FOR PROGRESS	2024.07.30
revision	date

FIFA - EAST VSTS CENTENNIAL PARK
Address: 56 Centennial Park Rd, Toronto, ON
REFLECTED CEILING PLAN - LEGACY LIGHTING LAYOUT

project no. : 2024-0112
scale : 1:100
date :
drawing no. :

general notes:

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ISSUED FOR PROGRESS	2024.07.30
ISSUED FOR CLASS C COSTING	2024.06.28
ISSUED FOR COORDINATION	2024.05.31

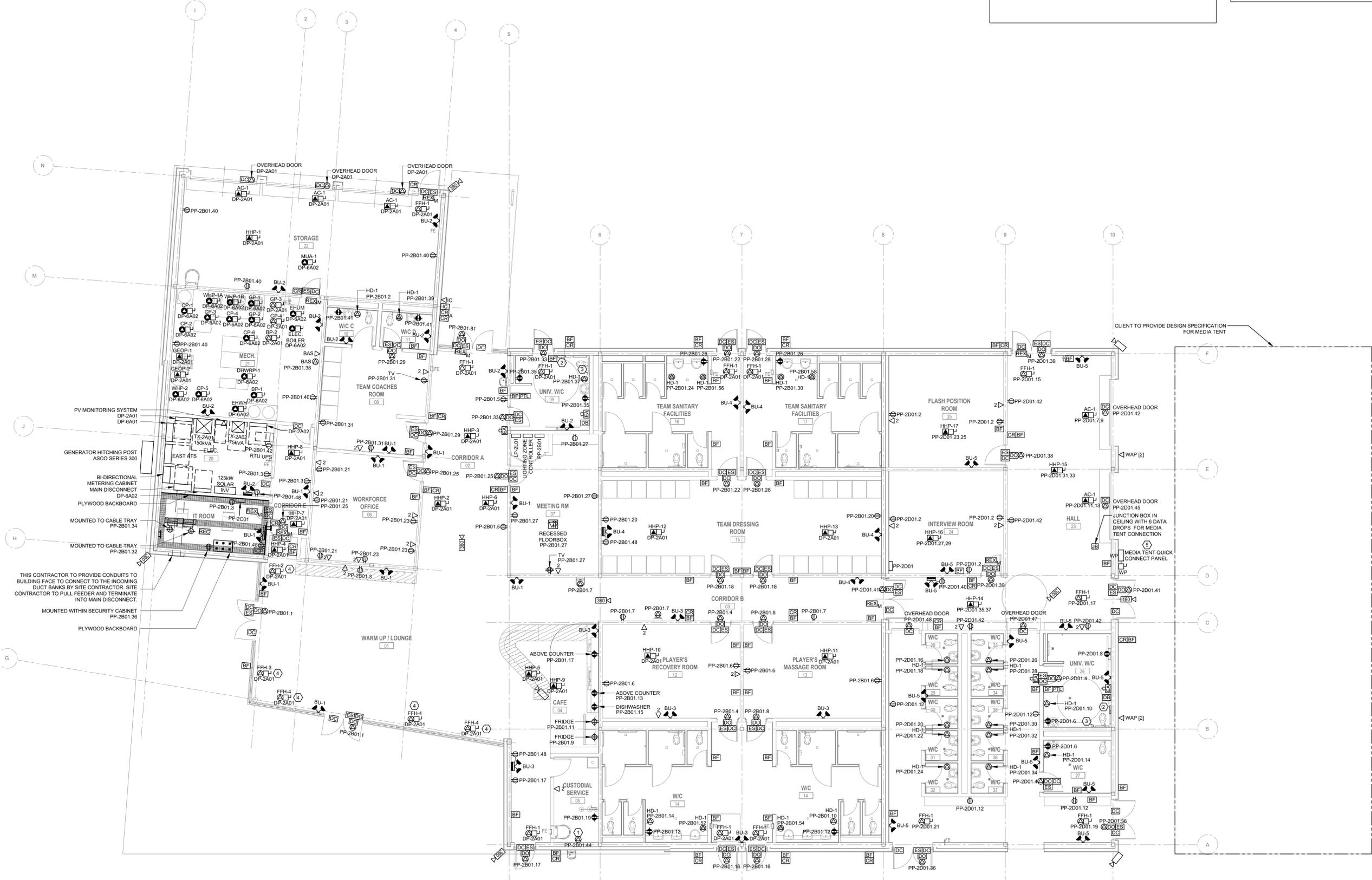
FIFA - EAST VSTS CENTENNIAL PARK
Address: 56 Centennial Park Rd, Toronto, ON

FLOOR PLAN - GAME POWER & SYSTEMS

project no.: 2024-0112
scale: 1:100
date:
drawing no.:

- GENERAL NOTES**
1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL AND MECHANICAL DRAWINGS AND DOCUMENTS
 2. REFER TO ARCHITECTURAL DRAWINGS AND ELEVATIONS FOR FINAL DEVICE LOCATIONS. COORDINATE ALL LOCATIONS AND MOUNTING HEIGHTS WITH ARCHITECT PRIOR TO INSTALLATION
 3. COORDINATE FINAL MECHANICAL EQUIPMENT LOCATIONS WITH MECHANICAL CONTRACTOR ON SITE
 4. ALL RECEPTACLES SHALL BE CLEARLY LABELED WITH PANEL DESIGNATION AND CIRCUIT NUMBER FOLLOWING FINAL INSTALLATION

- NOTES**
1. ELECTRICAL CONNECTION TO SUPPLY HEAT TRACING TO GROUND FLOOR AND BELOW-GRADE PIPES GOING TO OUTSIDE BOTTLE FILLER
 2. PROVIDE HORIZONTAL STRIP PANIC BUTTON TO BE TIED TO UNIVERSAL WASHROOM EMERGENCY ASSISTANCE SWITCH.
 3. PROVIDE VERTICAL STRIP PANIC BUTTON TO BE TIED TO UNIVERSAL WASHROOM EMERGENCY ASSISTANCE SWITCH.
 4. ELECTRICAL CONTRACTOR TO COORDINATE POWER CONNECTION TERMINATION WITH MECHANICAL CONTRACTOR.
 5. QUICK CONNECT PANEL SHALL BE BY ASCO.



PV MONITORING SYSTEM DP-2A01
GENERATOR HITTING POST ASCO SERIES 300
BI-DIRECTIONAL METERING CABINET MAIN DISCONNECT DP-6A02
PLYWOOD BACKBOARD
MOUNTED TO CABLE TRAY PP-2B01.34
MOUNTED TO CABLE TRAY PP-2B01.32
THIS CONTRACTOR TO PROVIDE CONDUITS TO BUILDING FACE TO CONNECT TO THE INCOMING DUCT BANKS BY SITE CONTRACTOR. SITE CONTRACTOR TO PULL FEEDER AND TERMINATE INTO MAIN DISCONNECT.
MOUNTED WITHIN SECURITY CABINET PP-2B01.36
PLYWOOD BACKBOARD

CLIENT TO PROVIDE DESIGN SPECIFICATION FOR MEDIA TENT

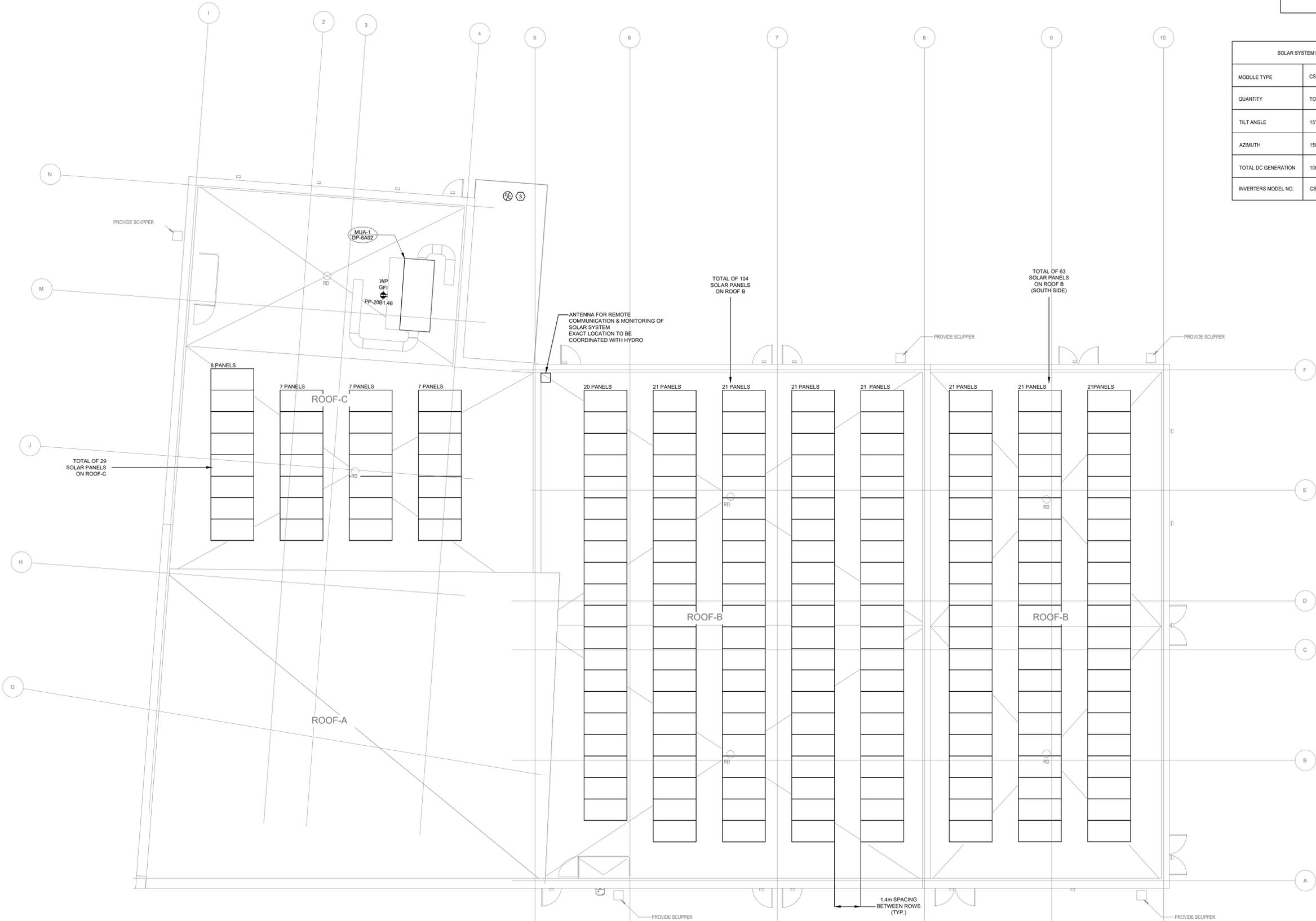
MEDIA TENT QUICK CONNECT PANEL

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NOTES	
1.	PROVISIONS FOR SOLAR PANELS TO BE LOCATED ON ROOFTOP.
2.	PROVIDE SOLAR PV FRAME SHOP DRAWING PREPARED AND SEALED BY A LICENSED PROFESSIONAL ENGINEER (P. ENG.). SOLAR PV FRAME / SUPPORT SYSTEM SHALL NOT HAVE PENETRATION THROUGH ROOF MEMBRANE AND SHALL BE A BALLASTED SYSTEM. REVIEW THE STRUCTURAL DRAWINGS FOR STRUCTURAL LOADING CRITERIA AND TAKE INTO ACCOUNT WHEN PREPARING SHOP DRAWINGS.
3.	EXTERIOR LIGHTING TO BE CONTROLLED BY PHOTOCELL & DIGITAL SWITCH. REFER TO DETAIL 4/E-800.1 FOR EXTERIOR LIGHTING CONTROL SCHEMATIC.

SOLAR SYSTEM DESCRIPTION	
MODULE TYPE	CSW-555MS
QUANTITY	TOTAL OF 196 MODULES
TILT ANGLE	15°
AZIMUTH	158°
TOTAL DC GENERATION	108.8KW
INVERTERS MODEL NO.	CSI-125K-T600GL03-U



ISSUED FOR TENDER	2024.11.08
ISSUED FOR PROGRESS	2024.08.15
ISSUED FOR PROGRESS	2024.07.30
ISSUED FOR CLASS C COSTING	2024.06.28
ISSUED FOR COORDINATION	2024.05.31
revision	DATE

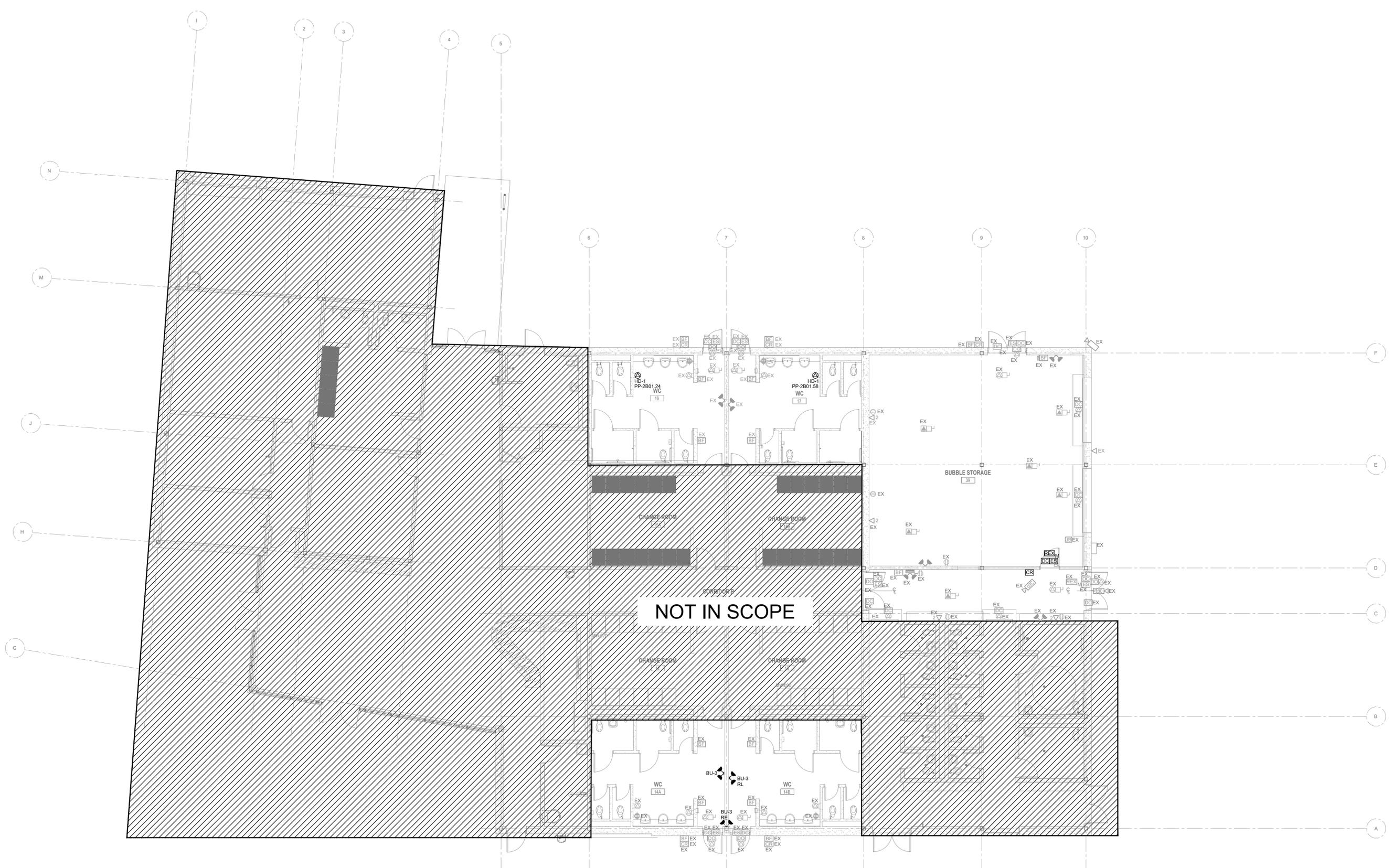


FIFA - EAST VSTS
CENTENNIAL PARK
 Address: 56 Centennial Park Rd, Toronto, ON
ROOF PLAN

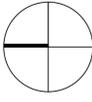
project no.: 2024-0112
 scale: 1:100
 date:
 drawing no.:

general notes:

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ISSUED FOR COORDINATION	2024.05.31
revision	0000

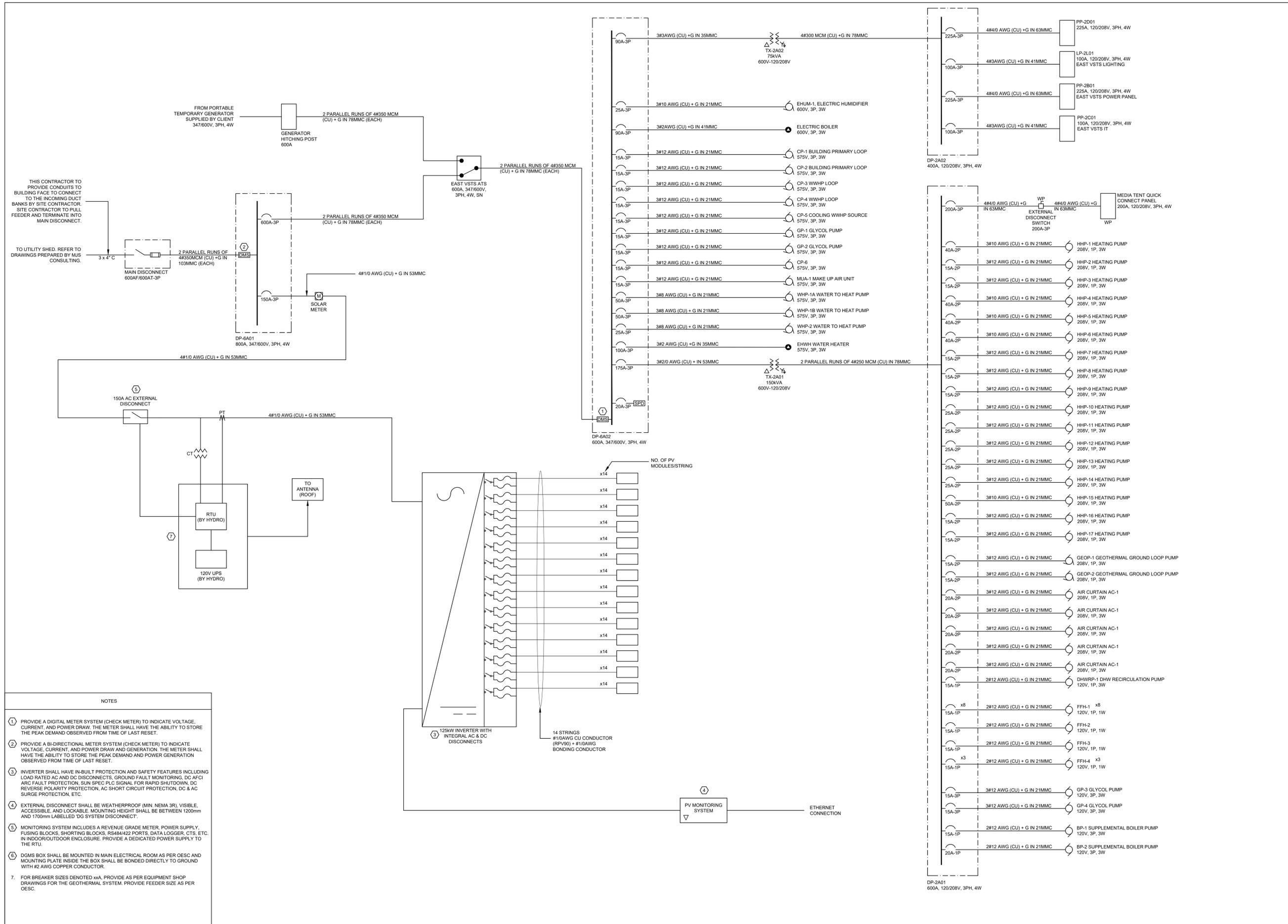


**FIFA - EAST VSTS
CENTENNIAL PARK**
Address: 56 Centennial Park Rd, Toronto, ON
**FLOOR PLAN - LEGACY
POWER & SYSTEMS**

project no.: 2024-0112
scale: 1:100
date:
drawing no.:

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- NOTES**
- PROVIDE A DIGITAL METER SYSTEM (CHECK METER) TO INDICATE VOLTAGE, CURRENT, AND POWER DRAW. THE METER SHALL HAVE THE ABILITY TO STORE THE PEAK DEMAND OBSERVED FROM TIME OF LAST RESET.
 - PROVIDE A BI-DIRECTIONAL METER SYSTEM (CHECK METER) TO INDICATE VOLTAGE, CURRENT, AND POWER DRAW AND GENERATION. THE METER SHALL HAVE THE ABILITY TO STORE THE PEAK DEMAND AND POWER GENERATION OBSERVED FROM TIME OF LAST RESET.
 - INVERTER SHALL HAVE IN-BUILT PROTECTION AND SAFETY FEATURES INCLUDING LOAD RATED AC AND DC DISCONNECTS, GROUND FAULT MONITORING, DC AFCI ARC FAULT PROTECTION, SUN SPEC PLC SIGNAL FOR RAPID SHUTDOWN, DC REVERSE POLARITY PROTECTION, AC SHORT CIRCUIT PROTECTION, DC & AC SURGE PROTECTION, ETC.
 - EXTERNAL DISCONNECT SHALL BE WEATHERPROOF (MIN. NEMA 3R), VISIBLE, ACCESSIBLE, AND LOCKABLE. MOUNTING HEIGHT SHALL BE BETWEEN 1200mm AND 1700mm LABELLED 'DG SYSTEM DISCONNECT'.
 - MONITORING SYSTEM INCLUDES A REVENUE GRADE METER, POWER SUPPLY, FUSING BLOCKS, SHORTING BLOCKS, RS484/422 PORTS, DATA LOGGER, CTS, ETC. IN INDOOR/OUTDOOR ENCLOSURE. PROVIDE A DEDICATED POWER SUPPLY TO THE RTU.
 - DGMS BOX SHALL BE MOUNTED IN MAIN ELECTRICAL ROOM AS PER OESC AND MOUNTING PLATE INSIDE THE BOX SHALL BE BONDED DIRECTLY TO GROUND WITH #2 AWG COPPER CONDUCTOR.
 - FOR BREAKER SIZES DENOTED xxA, PROVIDE AS PER EQUIPMENT SHOP DRAWINGS FOR THE GEOTHERMAL SYSTEM. PROVIDE FEEDER SIZE AS PER OESC.



ISSUED FOR TENDER	2024.11.08
ISSUED FOR PROGRESS	2024.08.23
ISSUED FOR PROGRESS	2024.08.15
ISSUED FOR PROGRESS	2024.07.30
ISSUED FOR CLASS C COSTING	2024.06.28
ISSUED FOR COORDINATION	2024.05.31

FIFA - EAST VSTS CENTENNIAL PARK
Address: 56 Centennial Park Rd, Toronto, ON
SINGLE LINE DIAGRAM

project no.: 2024-0112
scale: N.T.S.
date:
drawing no.:

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MECHANICAL SCHEDULE																						
TAG	DESCRIPTION	LOCATION	KW	HP	VOLTS	PH	FLA (A)	MCA (A)	MOP (A)	FED FROM	TYPE	HAND-OFF-AUTO SELECTOR SWITCH	RUNNING PILOT LIGHT GREEN	OFF PILOT LIGHT RED	N.O.	N.C.	F.A. START UP	F.A. SHUT DOWN	BREAKER SIZE	WIRE SIZE	LIFE SAFETY	NON-LIFE SAFETY
GEOP-1	GEO THERMAL GROUND LOOP	MECH ROOM	1.41		208	1	6.32		15										15A-2P	3#12AWG (CU) +G IN 21mmC		
GEOP-2	GEO THERMAL GROUND LOOP	MECH ROOM	1.41		208	1	6.32		15										15A-2P	3#12AWG (CU) +G IN 21mmC		
CP-1	BUILDING PRIMARY LOOP	MECH ROOM		3	575	3	3.9		15										15A/3P	3#12AWG (CU) +G IN 21mmC		
CP-2	BUILDING PRIMARY LOOP	MECH ROOM		3	575	3	3.9		15										15A/3P	3#12AWG (CU) +G IN 21mmC		
CP-3	WWHP LOOP	MECH ROOM		0.5	575	3	0.9		15										15A/3P	3#12AWG (CU) +G IN 21mmC		
CP-4	WWHP LOOP	MECH ROOM		0.5	575	3	0.9		15										15A/3P	3#12AWG (CU) +G IN 21mmC		
CP-5	COOLING WWHP SOURCE PUMP	MECH ROOM		3/4	575	3	1.3		15										15A/3P	3#12AWG (CU) +G IN 21mmC		
CP-6		MECH ROOM		2.5	575	3	3.9		15										15A/3P	3#12AWG (CU) +G IN 21mmC		
GP-1	HYDRONIC GLYCOL	MECH ROOM		3	575	3	3.9		15										15A/3P	3#12AWG (CU) +G IN 21mmC		
GP-2	MPH GLYCOL	MECH ROOM		3	575	3	3.9		15										15A/3P	3#12AWG (CU) +G IN 21mmC		
BP-1	SUPPLEMENTAL BOILER	MECH ROOM	.125		120	1	1.1		15										15A-1P	2#12AWG (CU) +G IN 21mmC		
BP-2	SUPPLEMENTAL BOILER	MECH ROOM		0.5	120	1	9.8		20										20A-1P	2#12AWG (CU) +G IN 21mmC		
DHWRP-1	DHW RECIRCULATION	MECH ROOM		1/12	120	1	1.4		15										15A-1P	2#12AWG (CU) +G IN 21mmC		
GP-3		MECH ROOM		0.4	120	1	4.7		15										15A/1P	2#12AWG (CU) +G IN 21mmC		
GP-4		MECH ROOM		0.4	120	1	4.7		15										15A/1P	2#12AWG (CU) +G IN 21mmC		
EHWT	ELECTRIC DOMESTIC WATER HEATER	MECH ROOM	90		575	3	90		100										100A/3P	3#2AWG (CU) +G IN 35mmC		
ELEC. BOILER	75KW ELEC BOILER	MECH ROOM	75		575	3	75		90										90A/3P	3#2AWG (CU) + G IN 35mmC		
MUA-1	MAKE-UP AIR UNIT	ROOF			575	3	8.9	9.83	15										15A/3P	3#12AWG (CU) +G IN 21mmC		
WHP-1A	MUA-1 HEATING	MECH ROOM			575	3	30.8	34.7	50										50A/3P	3#8AWG (CU) +G IN 21mmC		
WHP-1B	MUA-1 HEATING	MECH ROOM			575	3	30.8	34.7	50										50A/3P	3#8AWG (CU) +G IN 21mmC		
WHP-2	MUA-1 COOLING	MECH ROOM			575	3	9.3	11.6	25										25A/3P	3#10AWG (CU) +G IN 21mmC		
HHP-1	HEAT PUMP - STORAGE/MECH	CEILING SPACE			208	1	20.5	24.6	40										40A/2P	3#10AWG (CU) +G IN 21mmC		
HHP-2	HEAT PUMP - WORKFORCE OFFICE	CEILING SPACE			208	1	6.4	7.8	15										15A/2P	3#12AWG (CU) +G IN 21mmC		
HHP-3	HEAT PUMP - COACHES ROOM	CEILING SPACE			208	1	6.4	7.8	15										15A/2P	3#12AWG (CU) +G IN 21mmC		
HHP-4	HEAT PUMP - WARMUP LOUNGE	CEILING SPACE			208	1	20.5	24.6	40										40A/2P	3#10AWG (CU) +G IN 21mmC		
HHP-5	HEAT PUMP - WARMUP LOUNGE	CEILING SPACE			208	1	20.5	24.6	40										40A/2P	3#10AWG (CU) +G IN 21mmC		
HHP-6	HEAT PUMP - MEETING ROOM	CEILING SPACE			208	1	20.5	24.6	40										40A/2P	3#10AWG (CU) +G IN 21mmC		
HHP-7	HEAT PUMP - IT	CEILING SPACE			208	1	3.7	4.4	15										15A/2P	3#12AWG (CU) +G IN 21mmC		
HHP-8	HEAT PUMP - ELECTRICAL	CEILING SPACE			208	1	8.3	9.7	15										15A/2P	3#12AWG (CU) +G IN 21mmC		
HHP-9	HEAT PUMP - CAFÉ	CEILING SPACE			208	1	10	11.8	15										15A/2P	3#12AWG (CU) +G IN 21mmC		
HHP-10	HEAT PUMP - RECOVERY ROOM	CEILING SPACE			208	1	14.3	17.2	25										25A/2P	3#12AWG (CU) +G IN 21mmC		
HHP-11	HEAT PUMP - MASSAGE ROOM	CEILING SPACE			208	1	14.3	17.2	25										25A/2P	3#12AWG (CU) +G IN 21mmC		
HHP-12	HEAT PUMP - DRESSING ROOM A	CEILING SPACE			208	1	14.3	17.2	25										25A/2P	3#12AWG (CU) +G IN 21mmC		
HHP-13	HEAT PUMP - DRESSING ROOM B	CEILING SPACE			208	1	14.3	17.2	25										25A/2P	3#12AWG (CU) +G IN 21mmC		
HHP-14	HEAT PUMP - CORRIDOR	CEILING SPACE			208	1	14.3	17.2	25										25A/2P	3#12AWG (CU) +G IN 21mmC		
HHP-15	HEAT PUMP - HALL	CEILING SPACE			208	1	25.8	30.8	50										50A/2P	3#10AWG (CU) +G IN 21mmC		
HHP-16	HEAT PUMP - INTERVIEW	CEILING SPACE			208	1	5.1	6.2	15										15A/2P	3#12AWG (CU) +G IN 21mmC		
HHP-17	HEAT PUMP - FLASH POSITION	CEILING SPACE			208	1	5.1	6.2	15										15A/2P	3#12AWG (CU) +G IN 21mmC		
EHUM-1	ELECTRIC RESISTIVE STEAM HUMIDIFIER		21.7		575	3	20.8		25										25A/3P	3#10AWG (CU) +G IN 21mmC		
AC-1	OVERHEAD DOOR AIR CURTAIN	STORAGE			208	1	12.9		20										20A/2P	3#12AWG (CU) +G IN 21mmC		
AC-2	OVERHEAD DOOR AIR CURTAIN	HALL			208	1	12.9		20										20A/2P	3#12AWG (CU) +G IN 21mmC		
FFH-1	HYDRONIC FORCE FLOW HEATER	EXIT VESTIBULE		.5	120	1	9.8		15										15A-1P	2#12AWG (CU) +G IN 21mmC		
FFH-2	HYDRONIC FORCE FLOW HEATER	WARMUP LOUNGE		.5	120	1	9.8		15										15A-1P	2#12AWG (CU) +G IN 21mmC		
FFH-3	HYDRONIC FORCE FLOW HEATER	WARMUP LOUNGE			120	1	3		15										15A-1P	2#12AWG (CU) +G IN 21mmC		
FFH-4	HYDRONIC FORCE FLOW HEATER	WARMUP LOUNGE			120	1	3		15										15A-1P	2#12AWG (CU) +G IN 21mmC		



ISSUED FOR TENDER	2024.11.08
ISSUED FOR PROGRESS	2024.08.23
ISSUED FOR PROGRESS	2024.08.15
ISSUED FOR PROGRESS	2024.07.30
ISSUED FOR CLASS C COSTING	2024.06.28
ISSUED FOR COORDINATION	2024.05.31

FIFA - EAST VSTS
CENTENNIAL PARK
Address: 56 Centennial Park Rd, Toronto, ON
SCHEDULES

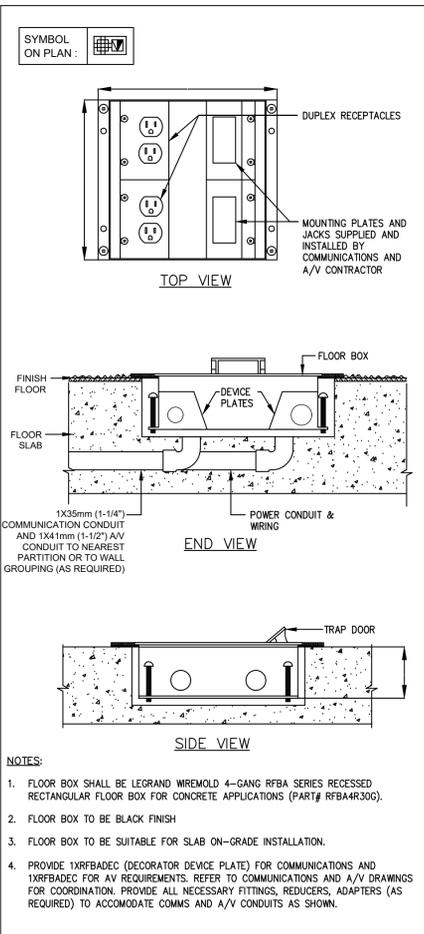
project no. : 2024-0112
scale : N.T.S.
date :
drawing no. :

general notes:

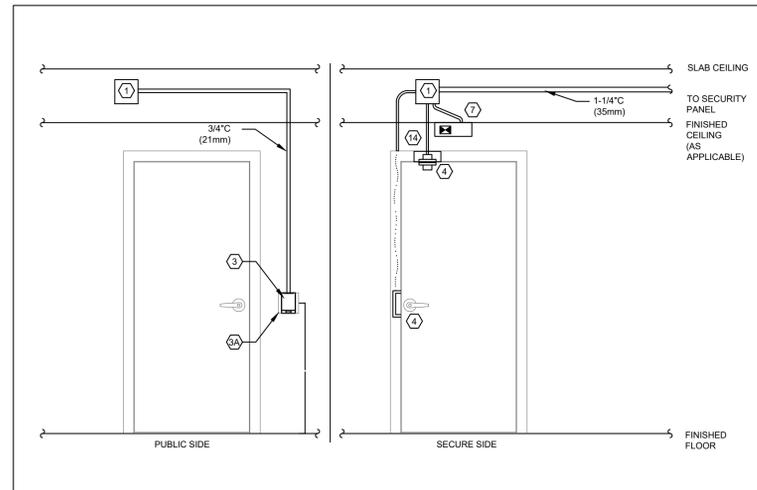
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- Drawings are not to be scaled for construction. Contractor to verify all existing conditions and dimensions required to perform the Work, and report any discrepancies with the Contract Documents to the Architect before commencing work.
- Positions of exposed or finished mechanical or electrical devices, fittings, and fixtures are indicated on the Architectural drawings govern over the Mechanical and Electrical drawings. Those items not clearly located will be located as per directed by the Architect.

1 MISCELLANEOUS EQUIPMENT SCHEDULE
E-801.1 SCALE: N.T.S.

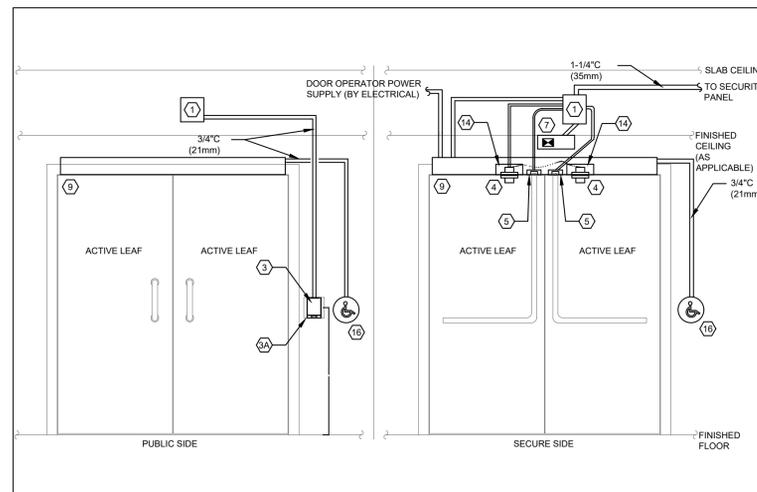
2 LEGACY LUMINAIRE FIXTURE SCHEDULE
E-801.1 SCALE: N.T.S.



3 FLOOR BOX DETAIL
E-801.1 SCALE: N.T.S.



4 SINGLE DOOR W/ READER IN, ELECTRIC STRIKE
E-801.1 SCALE: N.T.S.



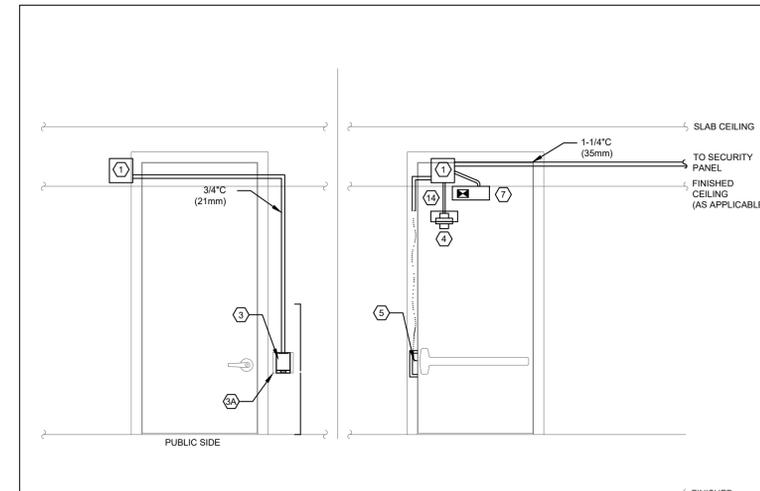
5 DOUBLE DOOR W/ READER IN, BARRIER FREE, ELECTRIC STRIKE
E-801.1 SCALE: N.T.S.

DOOR LEGEND & MATERIALS

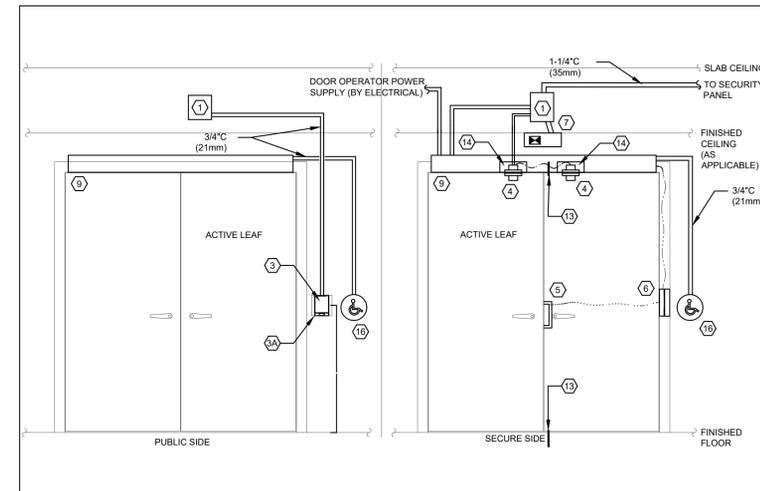
1 SECURITY JUNCTION BOX ON SECURE SIDE OF DOOR (BY ELECTRICAL)	11 SINGLE GANG LATCHING DURESS	21 FOH REMOTE CARD READER BEHIND DECORATIVE PLATE
2 MAGNETIC LOCK	12 MANUAL FIRE ALARM PULL STATION C/W AUXILIARY CONTACTS (BY FIRE ALARM CONTRACTOR)	22 ELECTRIC MORTISE LOCK W/ INTEGRATED REQUEST TO EXIT
3 PROXIMITY CARD READER	13 MECHANICAL FLUSH BOLT	23 WIRELESS LOCK SET WITH INTEGRATED CARD READER, DOOR SWITCH, AND REQUEST TO EXIT
3A DOUBLE GANG BACK BOX W/ SINGLE GANG TRIM PLATE (BY ELECTRICAL)	14 DUST BOX / MORTAR SHIELD IN FRAME AS REQUIRED (BY DOOR HARDWARE)	24 INTERCOM
4 RECESSED DOOR POSITION SWITCH	15 OVER HEAD DOOR POSITION SENSOR WITH FLEXIBLE ARMOR CONDUIT	25 ELECTRIFIED PANIC W/ INTEGRATED REQUEST TO EXIT
5 ELECTRIC STRIKE	16 AUTOMATIC DOOR OPERATOR (BY DOOR HARDWARE)	26 WIRED LOCK GATEWAY
6 POWER TRANSFER HINGE	17 GUESTROOM WIRELESS LOCKSET W/ INTEGRATED CARD READER AND DOOR POSITION SWITCH	27 GUESTROOM MANAGEMENT SYSTEM CONTROLLER BY GUESTROOM MANAGEMENT
7 REQUEST TO EXIT MOTION DETECTOR	18 WIRELESS LOCK GATEWAY	
8 REQUEST TO EXIT PUSH BUTTON	19 PANIC BAR	
9 AUTO DOOR OPERATOR EQUIPMENT (BY DOOR HARDWARE)	20 RETRACTABLE LATCH	

LINE TYPES LEGEND

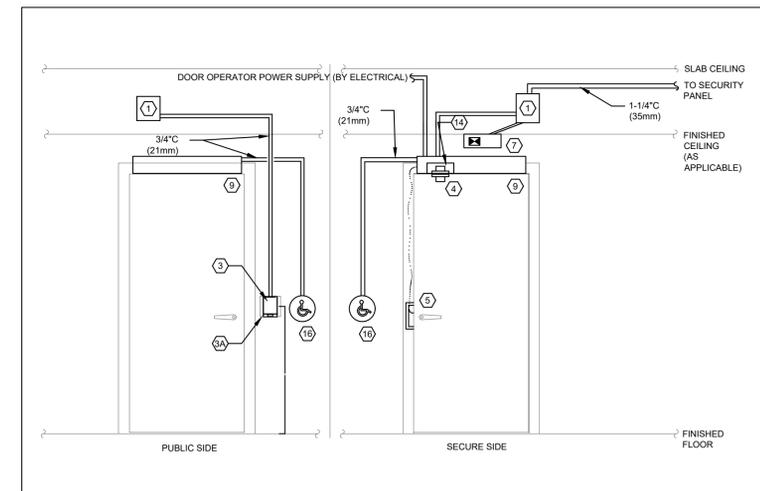
[Wavy Line]	CABLE INSIDE DOOR FRAMES/DOORS
[Solid Line]	CONDUIT INSTALLED IN WALL SPACE
[Dashed Line]	CONDUIT INSTALLED IN CEILING SPACE



6 SINGLE DOOR W/ READER IN, ELECTRIC STRIKE, PANIC BAR
E-801.1 SCALE: N.T.S.



7 DOUBLE DOOR W/ READER IN, BARRIER FREE, ELECTRIC STRIKE
E-801.1 SCALE: N.T.S.



8 SINGLE DOOR W/ READER IN, BARRIER FREE, ELECTRIC STRIKE
E-801.1 SCALE: N.T.S.



ISSUED FOR TENDER	2024.11.08
ISSUED FOR PROGRESS	2024.08.23
ISSUED FOR PROGRESS	2024.08.15
ISSUED FOR PROGRESS	2024.07.30
ISSUED FOR CLASS C COSTING	2024.06.25
revision	DATE

FIFA - EAST VSTS CENTENNIAL PARK
Address: 56 Centennial Park Rd, Toronto, ON

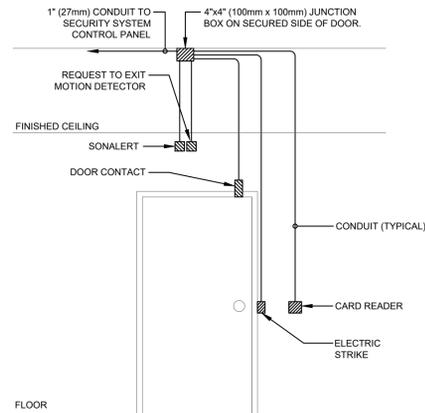
DETAILS PART 2

project no.: 2024-0112
scale: As Indicated
date:
drawing no.:

general notes:

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- Drawings are not to be scaled for construction. Contractor to verify all existing conditions and dimensions required to perform the Work, and report any discrepancies with the Contract Documents to the Architect before commencing work.
- Positions of exposed or finished mechanical or electrical devices, fittings, and fixtures are indicated on the Architectural drawings govern over the Mechanical and Electrical drawings. Those items not clearly located will be located as per directed by the Architect.

SYMBOL ON PLAN: 



NOTES:

- ALL CONDUITS ARE 3/4" (21mm) UNLESS OTHERWISE NOTED.
- PROVIDE ALL BACKBOXES AS REQUIRED.
- COORDINATE WITH SECURITY CONTRACTOR FOR ALL WORK PRIOR TO ROUGH-IN.

1 SINGLE DOOR WITH ELECTRIC STRIKE, CARD READER IN

E-802.1 SCALE: N.T.S.

DOOR LEGEND & MATERIALS

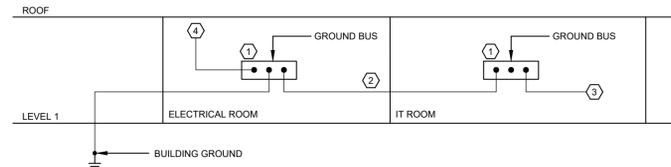
- | | | |
|---|---|---------------------------------|
| <ol style="list-style-type: none"> 1 SECURITY JUNCTION BOX ON SECURE SIDE OF DOOR (BY ELECTRICAL) 2 MAGNETIC LOCK 3 PROXIMITY CARD READER 4A DOUBLE GANG BACK BOX W/ SINGLE GANG TRIM PLATE (BY ELECTRICAL) 4 RECESSED DOOR POSITION SWITCH 5 ELECTRIC STRIKE 6 POWER TRANSFER HINGE 7 REQUEST TO EXIT MOTION DETECTOR 8 REQUEST TO EXIT PUSH BUTTON 9 AUTO DOOR OPERATOR EQUIPMENT (BY DOOR HARDWARE) 10 CONCEALED LATCHING DURESS BUTTON | <ol style="list-style-type: none"> 11 SINGLE GANG LATCHING DURESS 12 MANUAL FIRE ALARM PULL STATION C/W AUXILIARY CONTACTS (BY FIRE ALARM CONTRACTOR) 13 MECHANICAL FLUSH BOLT 14A DUST BOX / MORTAR SHIELD IN FRAME AS REQUIRED (BY DOOR HARDWARE) 14B OVER HEAD DOOR POSITION SENSOR WITH FLEXIBLE ARMOR CONDUIT 15 AUTOMATIC DOOR OPERATOR PUSHBUTTON (BY DOOR HARDWARE) 16 GUESTROOM WIRELESS LOCKSET W/ INTEGRATED CARD READER AND DOOR POSITION SWITCH 17 WIRELESS LOCK GATEWAY 18 PANIC BAR 19 RETRACTABLE LATCH | <p>LINE TYPES LEGEND</p> |
|---|---|---------------------------------|

NOTES:

- PROVIDE CONDUIT AND JUNCTION BOX INFRASTRUCTURE C/W PULL STRING FOR ALL DOORS WITH SECURITY DEVICES.

NOTES

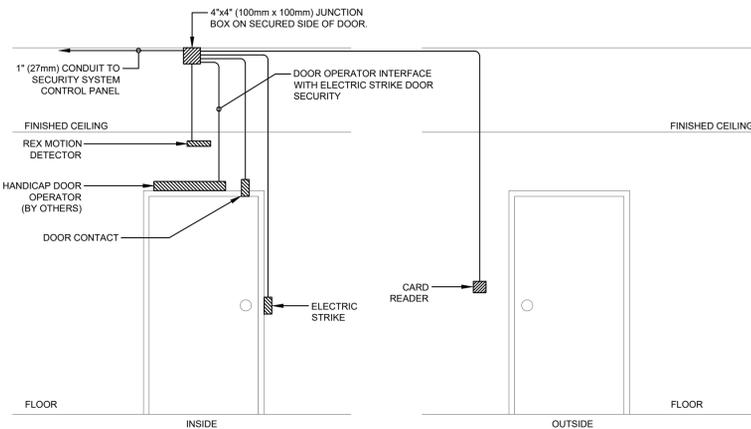
- PROVIDE A BUS BAR SIZED PER THE ELECTRICAL SPECIFICATION. THE BUS BAR MUST HAVE THREADED TAP HOLES TO ACCOMMODATE SPLIT BOLT CONNECTIONS OR COMPRESSION LUG BOLTS TO CONNECT ALL REQUIRED COPPER GROUND CABLES.
- PROVIDE #6 AWG GREEN INSULATED STRANDED COPPER CONDUCTOR TO IT ROOM.
- PROVIDE A #6 AWG GROUNDING CONDUCTOR TO ALL COMMUNICATIONS EQUIPMENT ENCLOSURES INSIDE ROOM.
- CONNECT ALL TRANSFORMER SECONDARY Xo's TO BUILDING'S GROUND RISER WITH #6 AWG (CU.) GROUNDING CONDUCTOR
- DESIGN OF BUILDING GROUNDING SYSTEM SIZING IS BASED ON COPPER WIRING.



3 GROUNDING RISER DIAGRAM

E-802.1 SCALE: N.T.S.

SYMBOL ON PLAN: 



NOTES:

- ALL CONDUITS ARE MINIMUM 3/4" (21mm) UNLESS OTHERWISE NOTED.
- WIRING REQUIREMENTS SHALL BE AS PER APPLICABLE ACCESS SYSTEM MANUFACTURERS INSTALLATION DETAILS. UNLESS OTHERWISE APPROVED BY PROJECT MANAGER/LOCKSHOP. COORDINATE WITH TENANT SECURITY.
- ENSURE DOOR OPERATOR INTERFACE ENSURES DOOR SECURITY RELEASES BEFORE THE OPERATOR OPENS DOOR. COORDINATE WITH SECURITY AND DOOR HARDWARE.

2 SINGLE DOOR ELECTRIC STRIKE, CARD READER OUT

E-802.1 SCALE: N.T.S.



ISSUED FOR TENDER 2024-01-12
revision date

FIFA - EAST VSTS CENTENNIAL PARK
Address: 56 Centennial Park Rd, Toronto, ON
DETAILS PART 3

project no.: 2024-0112
scale: As Indicated
date:
drawing no.:

E-802.1