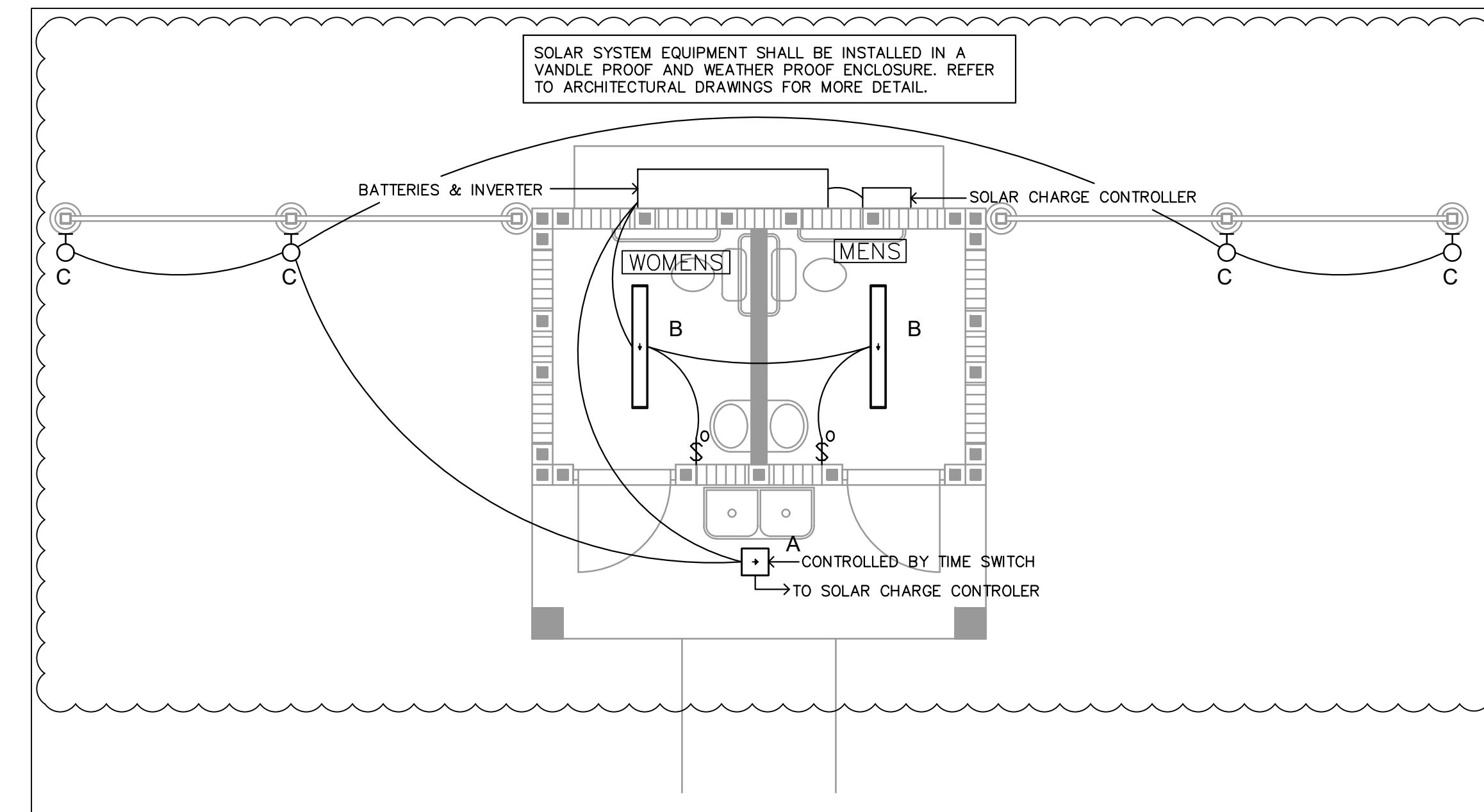


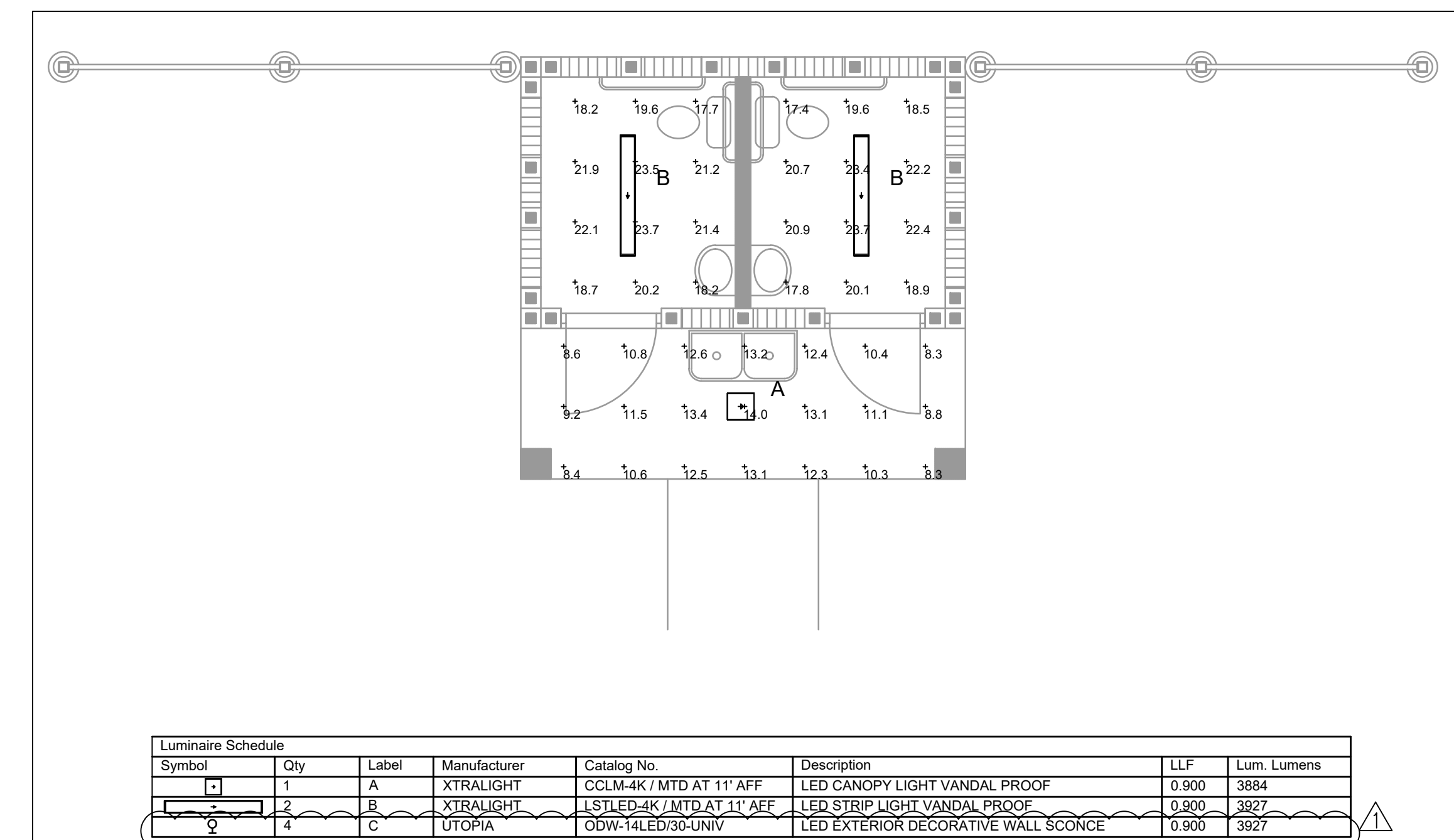
**ELECTRICAL ROOF PLAN**  
SCALE 1/4"=1'0"



**ELECTRICAL PLAN**  
SCALE 1/4"=1'0"

**GENERAL ELECTRICAL NOTES**

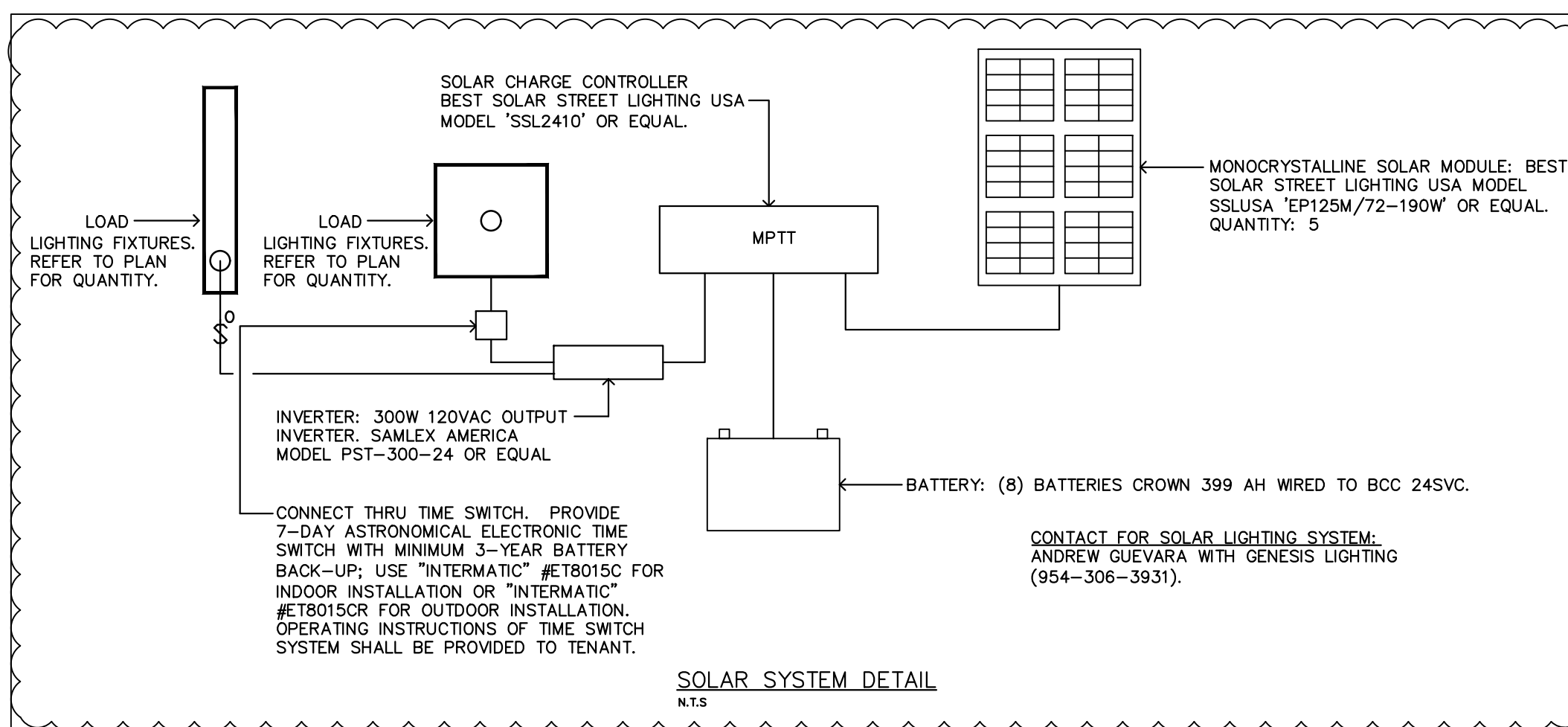
- ALL ELECTRICAL WORK PERFORMED UNDER THIS CONTRACT SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE (NEC) 2011, LOCAL CODES AND ORDINANCES (INCLUDING THE 2014 FLORIDA BUILDING CODE (F.B.C.) WITH LATEST SUPPLEMENTS & AMENDMENTS), AND ALL STANDARDS OF CONSTRUCTION ESTABLISHED BY THE LANDLORD.
- PRIOR TO BID OR COMMENCEMENT OF WORK, THE CONTRACTOR SHALL VISIT THE JOB SITE AND EVALUATE ALL EXISTING FIELD CONDITIONS. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OR ENGINEER OF ANY DISCREPANCIES. THE CONTRACTOR SHALL QUALIFY THE BID ACCORDINGLY.
- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ACCEPTANCE BY THE ARCHITECT AND/OR ENGINEER BEFORE PROCEEDING WITH THE PURCHASE OR INSTALLATION OF THE EQUIPMENT AND MATERIALS. NO FACSIMILES OR FACSIMILE COPIES SHALL BE ACCEPTED.
- THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ENGINEER PRIOR TO CUTTING OR DRILLING ANY STRUCTURAL SUPPORT MEMBER.
- THE CONTRACTOR SHALL SATISFACTORILY REPAIR/REPLACE ANY EQUIPMENT OR PART OF STRUCTURE DAMAGED AS A RESULT OF WORK PERFORMED. SURFACES AND FINISHED AREAS SHALL BE RESTORED TO MATCH ADJACENT AREAS.
- ALL CONDUCTORS SHALL BE THHN OR THHN COPPER.
- METAL-CLAD (MC) CABLE SHALL NOT BE USED IN ANY PORTION OF THE INSTALLATION UNLESS PRIOR WRITTEN CONSENT IS OBTAINED FROM THE OWNER, ARCHITECT AND ENGINEER.
- ALL EXPOSED CONDUITS SHALL BE RUN AS NEAT AS POSSIBLE. P.V.C. CONDUIT SHALL ONLY BE USED IN SLAB OR UNDERGROUND AT A MINIMUM DEPTH OF 24 INCHES.
- ALL UNDERGROUND CONDUIT INSTALLATIONS SHALL COMPLY WITH NEC SECTION 300.5.
- ALL UNDERGROUND CONDUITS SHALL BE CONVERTED TO E.M.T. CONDUIT ABOVE SLAB LEVEL. ALL UNDERGROUND ELBOWS SHALL BE R.G.S. CONDUIT.
- PROVIDE PULL STRINGS IN ALL EMPTY CONDUITS.
- ALLOW NO MORE THAN THE EQUIVALENT OF FOUR QUARTER BENDS (360 DEGREES TOTAL) BETWEEN ALL PULL POINTS, E.G., CONDUIT BODIES AND BOXES AS PER NEC 344.26.
- PROVIDE EXPANSION JOINTS WHERE REQUIRED AS PER NEC 300.7(B).
- ALL WIRING DEVICES SHALL BE LEVITON COMMERCIAL GRADE (WHITE DECORA) OR EQUAL AS APPROVED BY ARCHITECT OR ENGINEER.
- ELECTRICAL CONTRACTOR SHALL COORDINATE WORK WITH THE ARCHITECTURAL PLANS BEFORE ROUGH INSTALLATION OF LIGHTS, RECEPTACLES, SWITCHES, AND EQUIPMENT FOR EXACT LOCATION.
- ELECTRICAL CONTRACTOR SHALL VERIFY EXACT DIMENSIONS AND LOCATIONS OF ALL EQUIPMENT WITH OWNER PRIOR TO ROUGH INSTALLATION.
- ELECTRICAL CONTRACTOR SHALL COORDINATE LOCATIONS OF ALL ELECTRICAL WIRING DEVICES (INCLUDING LUMINAIRES, RECEPTACLES, SWITCHES, CONDUITS, WIRING, ETC.) WITH OTHER TRADES TO AVOID CONFLICTS.
- ELECTRICAL CONTRACTOR SHALL VERIFY THE CEILING FINISHES AND SUSPENSION SYSTEMS FOR SELECTION OF THE PROPER TRIM AND SUPPORT ARRANGEMENTS OF ALL ELECTRICAL DEVICES.
- PROVIDE ACCESS PANELS AS REQUIRED TO SERVICE ALL ELECTRICAL EQUIPMENT ABOVE HARD CEILINGS. COORDINATE WITH ARCHITECT BEFORE ROUGH INSTALLATION.
- WHERE APPLICABLE, ALL LUMINAIRES SHALL BE PROPERLY SECURED TO CEILING GRID SYSTEM.
- FLUORESCENT LUMINAIRES THAT UTILIZE DOUBLE-ENDED LAMPS AND CONTAIN BALLAST(S) THAT CAN BE SERVICED IN PLACE OR BALLASTED LUMINAIRES THAT ARE SUPPLIED FROM MULTIWIRE BRANCH CIRCUITS AND CONTAIN BALLAST(S) THAT CAN BE SERVICED IN PLACE SHALL HAVE A DISCONNECTING MEANS IN ACCORDANCE WITH NEC 410.130(G), WHERE APPLICABLE.
- ALL LUMINAIRES SHALL BE PROPERLY SUPPORTED IN ACCORDANCE WITH THE CEILING SYSTEM MANUFACTURER RECOMMENDATIONS AND LOCAL CODE REQUIREMENTS.
- ALL LIGHTING CIRCUITS WHICH CONTROL AND/OR OPERATE LIGHTING FIXTURES WITH AN ELECTRONIC BALLAST SHALL BE PROVIDED WITH A SEPARATE NEUTRAL WIRE PER EACH PHASE.
- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LIGHT FIXTURE QUANTITIES AND MEASUREMENTS (LENGTHS) ON PLANS PRIOR TO SUBMITTAL OF SHOP DRAWINGS.
- EACH MULTIWIRE BRANCH CIRCUIT SHALL BE PROVIDED WITH A MEANS WHAT WILL SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS AT THE POINT WHERE THE BRANCH CIRCUIT ORIGINATES AS PER NEC 210.4(B).
- ALL ELECTRICAL EQUIPMENT AND MATERIALS SHALL BE APPROVED AS SAFE FOR USE IN THE U.S. WORKPLACE FOR THE INTENDED APPLICATION, AS DETERMINED BY AN ORGANIZATION CURRENTLY RECOGNIZED BY OSHA (OCCUPATIONAL SAFETY AND HEALTH) AS A NRTL (NATIONALLY RECOGNIZED TEST LABORATORY). (E.G. - UL, CSA, ETC.)
- AS PER F.B.C. ENERGY CONSERVATION, CHAPTER 4, SECTION 405.7.3.1, FEEDER AND CUSTOMER-OWNED SERVICE CONDUCTORS SHALL BE SIZED FOR A MAXIMUM VOLTAGE DROP OF 2 PERCENT AT DESIGN LOAD REGARDLESS OF SIZES SHOWN ON PLANS OR PANEL SCHEDULES.
- ALL BRANCH CIRCUIT CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH N.E.C. 210.19 AND FOR A MAXIMUM VOLTAGE DROP OF 3 PERCENT AT DESIGN LOAD AS PER F.B.C. ENERGY CONSERVATION, CHAPTER 4, SECTION 405.7.3.2 REGARDLESS OF SIZES SHOWN ON PLANS OR PANEL SCHEDULES.
- AS PER F.B.C. ENERGY CONSERVATION, CHAPTER 4, SECTION 405.7.4.1, WITHIN 30 DAYS AFTER THE DATE OF SYSTEM ACCEPTANCE, RECORD DRAWINGS OF THE ACTUAL INSTALLATION SHALL BE PROVIDED BY THE GENERAL CONTRACTOR TO THE BUILDING OWNER, INCLUDING:
  1. A SINGLE-LINE DIAGRAM OF THE BUILDING ELECTRICAL DISTRIBUTION SYSTEM AND
  2. FLOOR PLANS INDICATING LOCATION AND AREA SERVED FOR ALL DISTRIBUTION.
- AS PER F.B.C. ENERGY CONSERVATION, CHAPTER 4, SECTION 405.7.4.2, THE GENERAL CONTRACTOR SHALL PROVIDE AN OPERATING MANUAL AND MAINTENANCE MANUAL TO THE BUILDING OWNER. THE MANUALS SHALL INCLUDE, AT A MINIMUM, THE FOLLOWING:
  1. SUBMITTAL DATA STATING EQUIPMENT RATING AND SELECTED OPTIONS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE.
  2. OPERATION MANUALS AND MAINTENANCE MANUALS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE. REQUIRED ROUTINE MAINTENANCE ACTIONS SHALL BE CLEARLY IDENTIFIED.
  3. NAMES AND ADDRESSES OF AT LEAST ONE QUALIFIED SERVICE AGENCY.
- IF ANY CONFLICT IS ENCOUNTERED WITHIN THE DESIGN DOCUMENTS, REGARDLESS OF TRADE OR RESPONSIBILITY, THE GREATER SCOPE OF WORK SHALL PREVAIL.
- CONTRACTOR SHALL WARRANT ALL WORK TO BE FREE OF DEFECT IN WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE OF THE PROJECT.



**PHOTOMETRIC PLAN**  
SCALE 1/4"=1'0"

Symbol	Qty	Label	Manufacturer	Catalog No.	Description	LLF	Lum. Lumens
1	1	A	XTRALIGHT	CCLM-4K / MTD AT 11' AFF	LED CANOPY LIGHT VANDAL PROOF	0.900	3884
2	2	B	XTRALIGHT	LSTLED-4K / MTD AT 11' AFF	LED STRIP LIGHT VANDAL PROOF	0.900	3927
3	4	C	UTOPIA	ODW-14LED/30-UNIV	LED EXTERIOR DECORATIVE WALL SCONCE	0.900	3927

Label	Calc Type	Units	Avg	Max	Min	Avg/Min	Max/Min
CANOPY AREA Floor	Illuminance	Fc	11.09	14.0	8.3	1.34	1.69
RR 1 Workplane	Illuminance	Fc	20.53	23.7	17.7	1.16	1.34
RR 2 Workplane	Illuminance	Fc	20.47	23.7	17.4	1.18	1.36



**SOLAR SYSTEM DETAIL**  
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