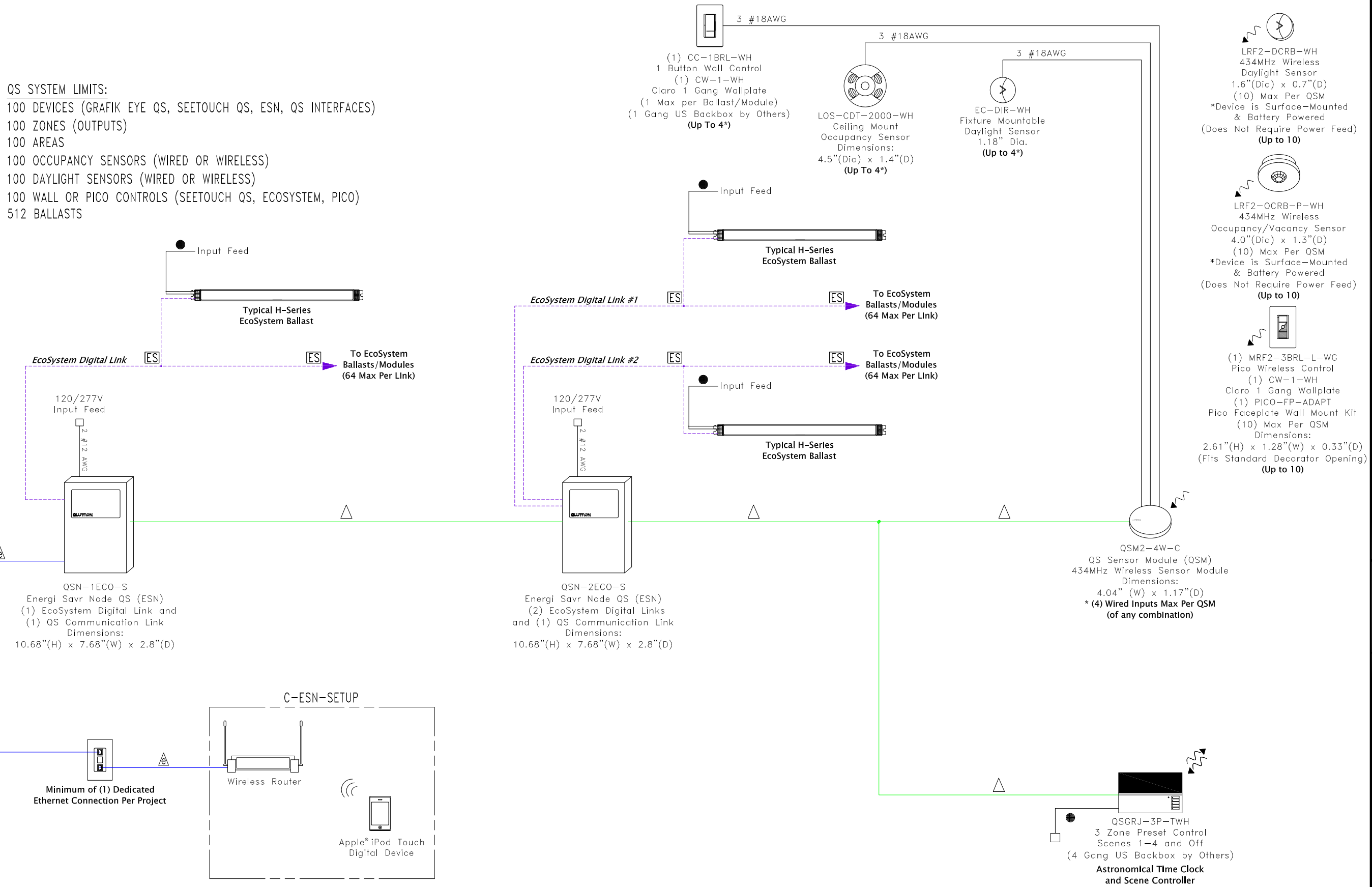


**QS SYSTEM LIMITS:**

- 100 DEVICES (GRAFIK EYE QS, SEETOUGH QS, ESN, QS INTERFACES)
- 100 ZONES (OUTPUTS)
- 100 AREAS
- 100 OCCUPANCY SENSORS (WIRED OR WIRELESS)
- 100 DAYLIGHT SENSORS (WIRED OR WIRELESS)
- 100 WALL OR PICO CONTROLS (SEETOUGH QS, ECOSYSTEM, PICO)
- 512 BALLASTS



**WIRING SYMBOLS**

- △ Lutron cable GRX-CBL-46L (5 Conductor Non-Plenum) or GRX-PCBL-46L (5 Conductor Plenum). Otherwise use 2 #12 AWG (2.5mm<sup>2</sup>), 1 Belden #9461 and between panels add 1 #18 AWG (1.0mm<sup>2</sup>) for emergency sensing.
- ES EcoSystem Bus: Lutron cable C-CBL-216-GR-1 (2 #16 Conductor Non-Plenum) or C-PCBL-216-CL-1 (2 #16 Conductor Plenum rated). Otherwise use 2 #16 AWG by others.
- △ CAT5e or better cable for dedicated Lutron network terminated with RJ45 connectors (to be provided by others). 328 feet (100m) maximum run.
- 120V input feed.

**GENERAL NOTES**

All dimming ballasts to be Lutron EcoSystem, Hi-Lume or Eco-10 type.

E.E. to confirm all circuiting requirements.

Architect to verify quantity, location & finish of all controls.

All faceplates, dimmers, switches, receptacles & cable/phone jacks to be Lutron NOVA I\*.

Lutron Field Service commissioning included in all systems initiates an 8 year limited warranty. The electrical contractor must contact Lutron (800-523-9466) to set up visit with 10 days notice.

- (1) CC-1BRL-WH  
1 Button Wall Control  
(1) CW-1-WH  
Claro 1 Gang Wallplate  
(1 Max per Ballast/Module)  
(1 Gang US Backbox by Others)  
**(Up To 4\*)**
- LOS-CDT-2000-WH  
Ceiling Mount  
Occupancy Sensor  
Dimensions:  
4.5"(Dia) x 1.4"(D)  
**(Up To 4\*)**
- EC-DIR-WH  
Fixture Mountable  
Daylight Sensor  
1.18" Dia.  
**(Up to 4\*)**
- LRF2-DCRB-WH  
434MHz Wireless  
Daylight Sensor  
1.6"(Dia) x 0.7"(D)  
(10) Max Per QSM  
\*Device is Surface-Mounted  
& Battery Powered  
(Does Not Require Power Feed)  
**(Up to 10)**
- LRF2-OCRB-P-WH  
434MHz Wireless  
Occupancy/Vacancy Sensor  
4.0"(Dia) x 1.3"(D)  
(10) Max Per QSM  
\*Device is Surface-Mounted  
& Battery Powered  
(Does Not Require Power Feed)  
**(Up to 10)**
- (1) MRF2-3BRL-L-WG  
Pico Wireless Control  
(1) CW-1-WH  
Claro 1 Gang Wallplate  
(1) PICO-FP-ADAPT  
Pico Faceplate Wall Mount Kit  
(10) Max Per QSM  
Dimensions:  
2.61"(H) x 1.28"(W) x 0.33"(D)  
(Fits Standard Decorator Opening)  
**(Up to 10)**
- QSN-1ECO-S  
Energi Savr Node QS (ESN)  
(1) EcoSystem Digital Link and  
(1) QS Communication Link  
Dimensions:  
10.68"(H) x 7.68"(W) x 2.8"(D)
- QSN-2ECO-S  
Energi Savr Node QS (ESN)  
(2) EcoSystem Digital Links  
and (1) QS Communication Link  
Dimensions:  
10.68"(H) x 7.68"(W) x 2.8"(D)
- QSM2-4W-C  
QS Sensor Module (QSM)  
434MHz Wireless Sensor Module  
Dimensions:  
4.04" (W) x 1.17"(D)  
**\* (4) Wired Inputs Max Per QSM  
(of any combination)**
- QSGRJ-3P-TWH  
3 Zone Preset Control  
Scenes 1-4 and Off  
(4 Gang US Backbox by Others)  
**Astronomical Time Clock  
and Scene Controller**

**Typical EcoSystem Energi Savr Node (ESN)**

ONLINE DIAGRAM

CONCEPT ONLY  
NOT FOR CONSTRUCTION

Project Number:	X
Drawn By:	X
Drawing Revision:	X
Drawing Date:	X
Sheet:	X

