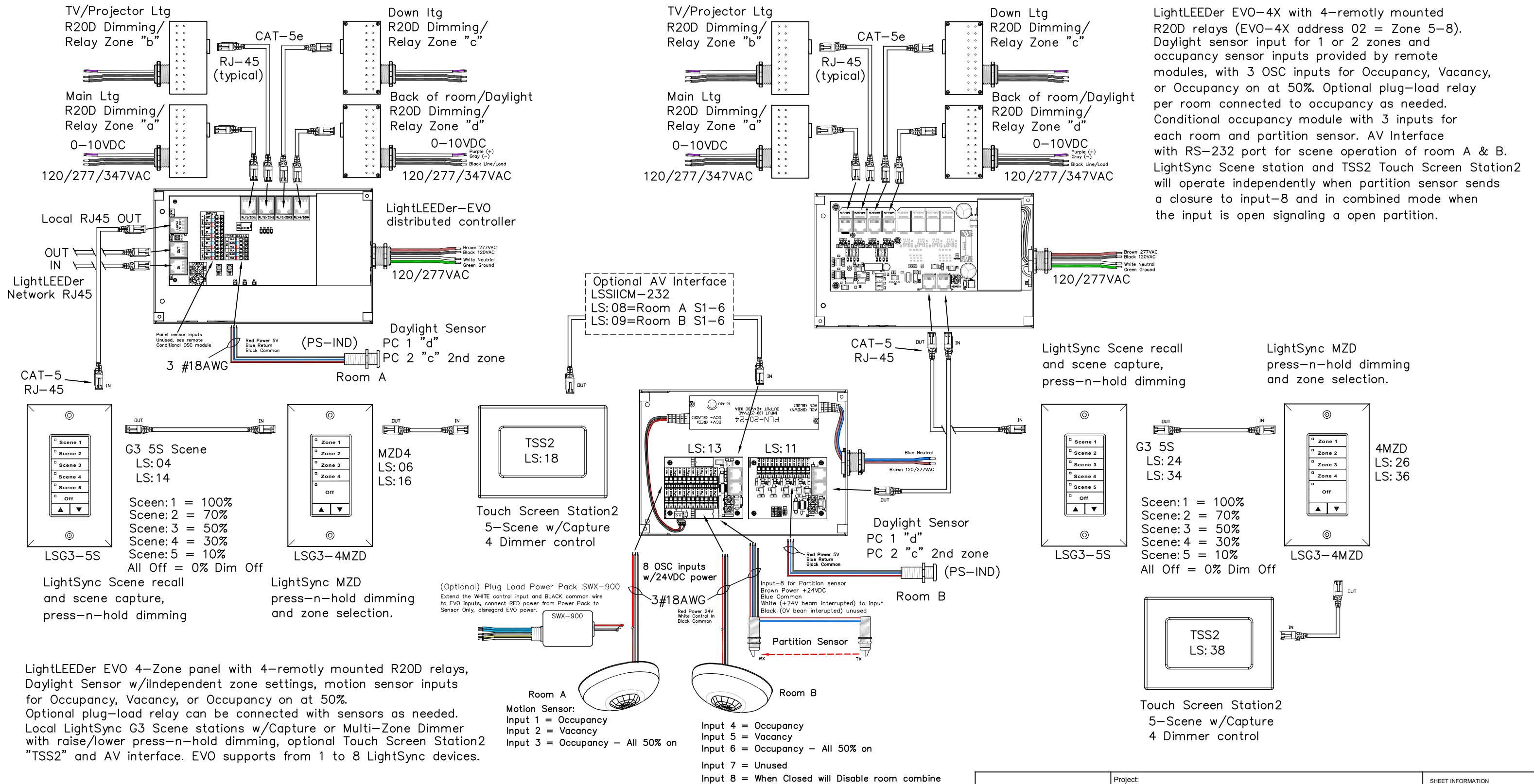# (FD) LL-EVO 2-Conference Room's, 4-Zone, 1or 2 Daylight Zone
G3 5-Preset, or MZD4 Station, TSS2, AV Interface

Room A

TV/Projector Ltg
R20D Dimming/
Relay Zone "b"

CAT-5e

RJ-45
(typical)

Down ltg
R20D Dimming/
Relay Zone "c"

Main Ltg
R20D Dimming/
Relay Zone "a"

0-10VDC

120/277/347VAC

Back of room/Daylight
R20D Dimming/
Relay Zone "d"

0-10VDC

Purple (+)
Gray (-)
Black Line/Load

120/277/347VAC

Local RJ45 OUT

OUT
IN
LightLEEDer
Network RJ45

CAT-5
RJ-45

LightLEEDer-EVO
distributed controller

Brown 277VAC
Black 120VAC
White Neutral
Green Ground

120/277VAC

Panel sensor inputs
Unused, see remote
Conditional OSC module

Red Power 5V
Blue Return
Black Common

(PS-IND)

3 #18AWG

Daylight Sensor
PC 1 "d"
PC 2 "c" 2nd zone

Room A

G3 5S Scene
LS: 04
LS: 14

Sceen: 1 = 100%
Scene: 2 = 70%
Scene: 3 = 50%
Scene: 4 = 30%
Scene: 5 = 10%
All Off = 0% Dim Off

LSG3-5S

LightSync Scene recall
and scene capture,
press-n-hold dimming

MZD4
LS: 06
LS: 16

LSG3-4MZD

LightSync MZD
press-n-hold dimming
and zone selection.

Zone 1
Zone 2
Zone 3
Zone 4
Off

TSS2
LS: 18

Touch Screen Station2
5-Scene w/Capture
4 Dimmer control

LightLEEDer EVO 4-Zone panel with 4-remotely mounted R20D relays,
Daylight Sensor w/ilndependent zone settings, motion sensor inputs
for Occupancy, Vacancy, or Occupancy on at 50%.
Optional plug-load relay can be connected with sensors as needed.
Local LightSync G3 Scene stations w/Capture or Multi-Zone Dimmer
with raise/lower press-n-hold dimming, optional Touch Screen Station2
"TSS2" and AV interface. EVO supports from 1 to 8 LightSync devices.

Room B

TV/Projector Ltg
R20D Dimming/
Relay Zone "b"

CAT-5e

RJ-45
(typical)

Down Ltg
R20D Dimming/
Relay Zone "c"

Main Ltg
R20D Dimming/
Relay Zone "a"

0-10VDC

120/277/347VAC

Back of room/Daylight
R20D Dimming/
Relay Zone "d"

0-10VDC

Purple (+)
Gray (-)
Black Line/Load

120/277/347VAC

Brown 277VAC
Black 120VAC
White Neutral
Green Ground

120/277VAC

CAT-5
RJ-45

Optional AV Interface
LSSIICM-232
LS: 08=Room A S1-6
LS: 09=Room B S1-6

LS: 13   LS: 11

PLN-20-24
INPUT 100-277VAC
OUTPUT +24VDC 0.8A

Blue Neutral
Brown 120/277VAC

Red Power 5V
Blue Return
Black Common

Daylight Sensor
PC 1 "d"
PC 2 "c" 2nd zone

(PS-IND)

Room B

8 OSC inputs
w/24VDC power

3#18AWG

Input-8 for Partition sensor
Brown Power +24VDC
Blue Common
White (+24V beam interrupted) to input
Black (0V bean interrupted) unused

(Optional) Plug Load Power Pack SWX-900
Extend the WHITE control input and BLACK common wire
to EVO inputs, connect RED power from Power Pack to
Sensor Only, disregard EVO power.

SWX-900

Red Power 24V
White Control In
Black Common

Partition Sensor

RX   TX

Room A
Motion Sensor:
Input 1 = Occupancy
Input 2 = Vacancy
Input 3 = Occupancy - All 50% on

Room B
Input 4 = Occupancy
Input 5 = Vacancy
Input 6 = Occupancy - All 50% on
Input 7 = Unused
Input 8 = When Closed will Disable room combine

LightLEEDer EVO-4X with 4-remotely mounted
R20D relays (EVO-4X address 02 = Zone 5-8).
Daylight sensor input for 1 or 2 zones and
occupancy sensor inputs provided by remote
modules, with 3 OSC inputs for Occupancy, Vacancy,
or Occupancy on at 50%. Optional plug-load relay
per room connected to occupancy as needed.
Conditional occupancy module with 3 inputs for
each room and partition sensor. AV Interface
with RS-232 port for scene operation of room A & B.
LightSync Scene station and TSS2 Touch Screen Station2
will operate independently when partition sensor sends
a closure to input-8 and in combined mode when
the input is open signaling a open partition.

LightSync Scene recall
and scene capture,
press-n-hold dimming

LightSync MZD
press-n-hold dimming
and zone selection.

G3 5S
LS: 24
LS: 34

Scene 1
Scene 2
Scene 3
Scene 4
Scene 5
Off

Sceen: 1 = 100%
Scene: 2 = 70%
Scene: 3 = 50%
Scene: 4 = 30%
Scene: 5 = 10%
All Off = 0% Dim Off

LSG3-5S

4MZD
LS: 26
LS: 36

Zone 1
Zone 2
Zone 3
Zone 4
Off

LSG3-4MZD

TSS2
LS: 38

Touch Screen Station2
5-Scene w/Capture
4 Dimmer control

Project:

(FD) LL-EVO Lighting Application Sheet
2-Conference Room, 4-Zone,
1-Daylight Zone, MZD4, 5-Preset Station
LightLEEDer EVO Distributed Controller

SHEET INFORMATION
DATE: 4-20-2020
SCALE: NONE
DRAWN BY: JM
GO#
- - -

Rev: C

Sheet:
FD-EVO