



# Electrical Drawings



## Millennium Science Complex

University Park, PA

Advisors:

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Ted Dannerth (Electrical Consultation)

### Building Stimulus

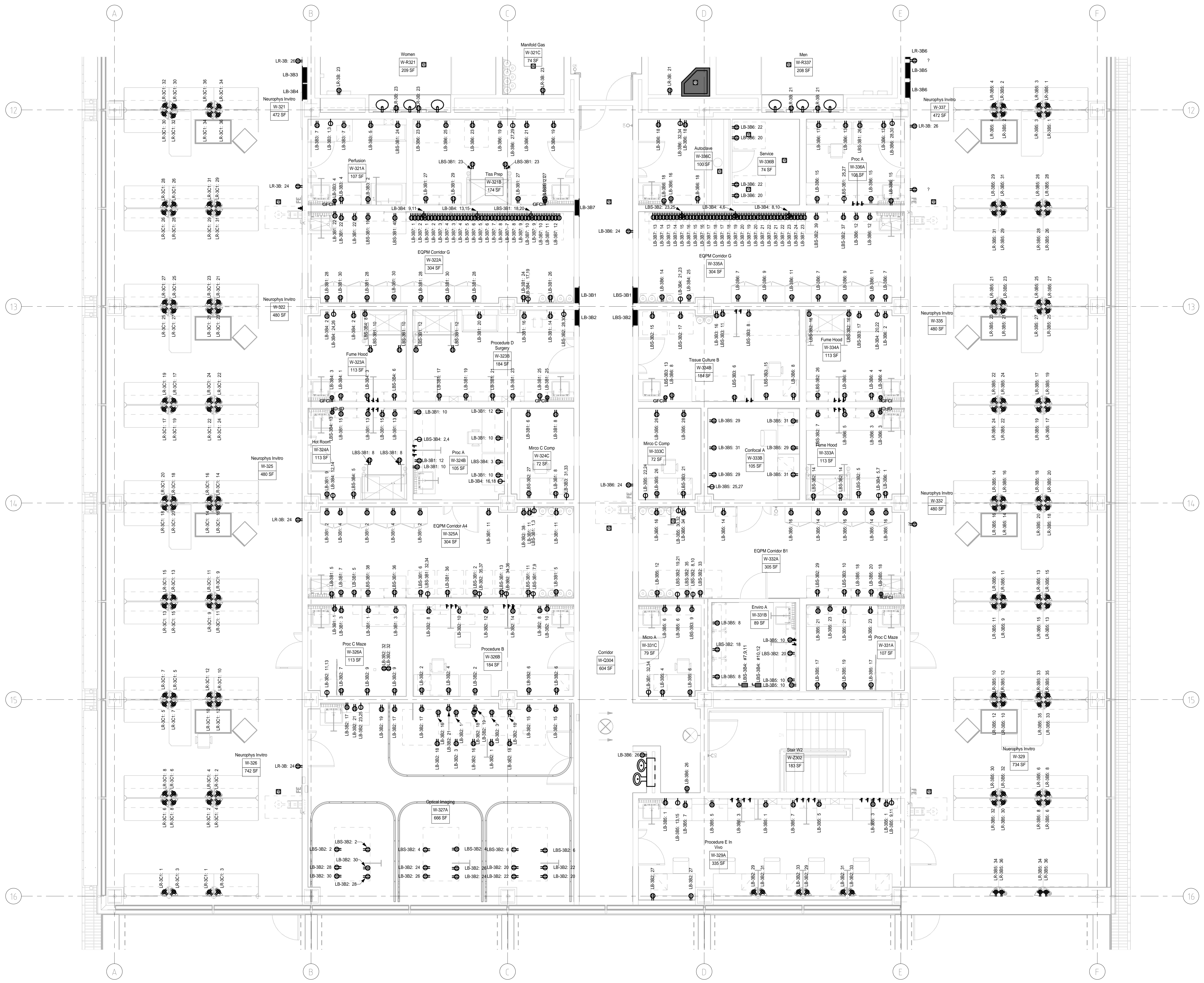
Jon Brangan

Paul Kuehnel

Mike Lucas

Sara Pace

04.07.2011

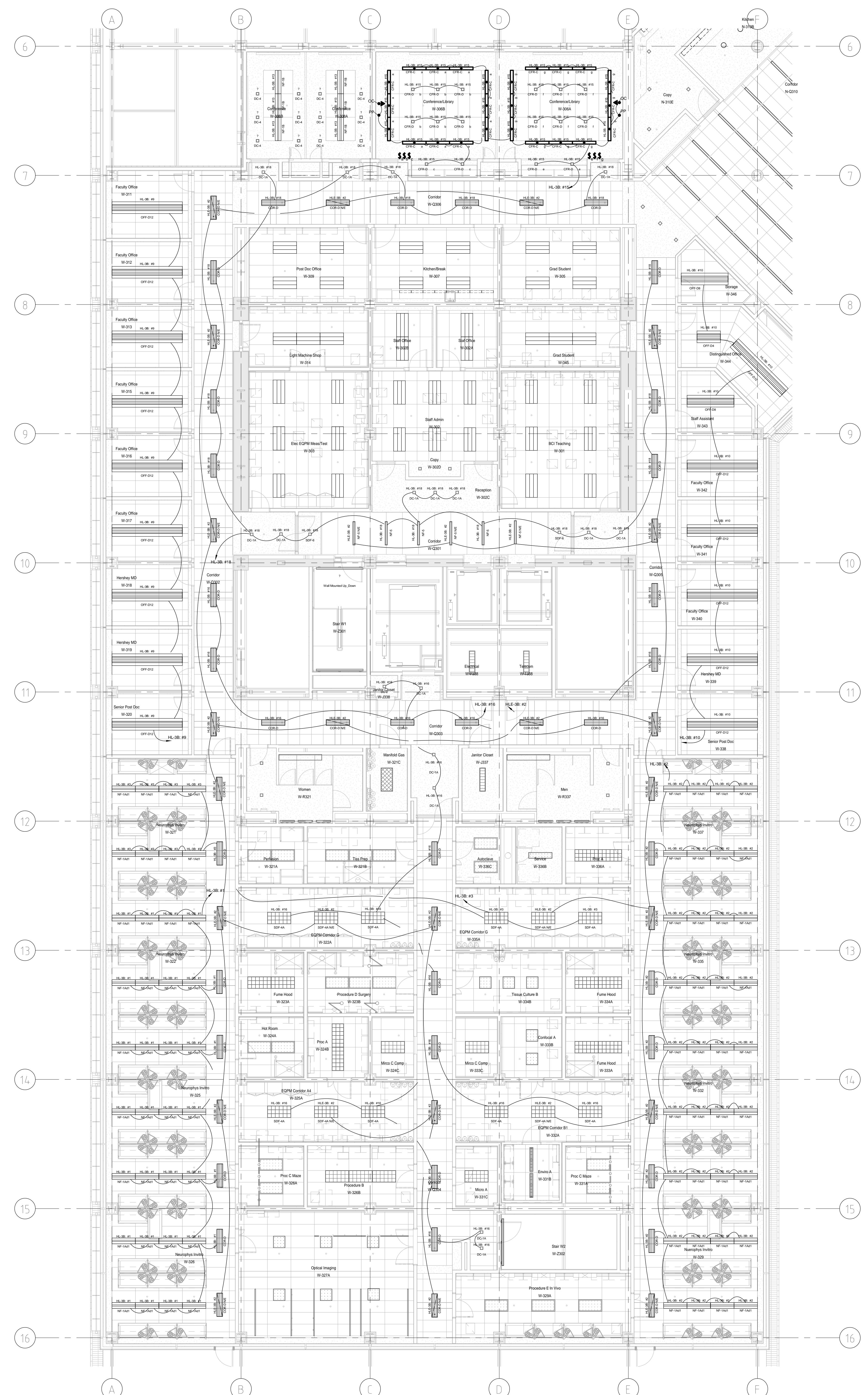


Num	Date	Revision

THIRD FLOOR POWER  
PLAN ZONE A

Project Number: Building Stimulus  
Date: 2010-2011  
Drawing No.: LWM124  
Scale: 1/4" = 1'-0"

E-2.3AP



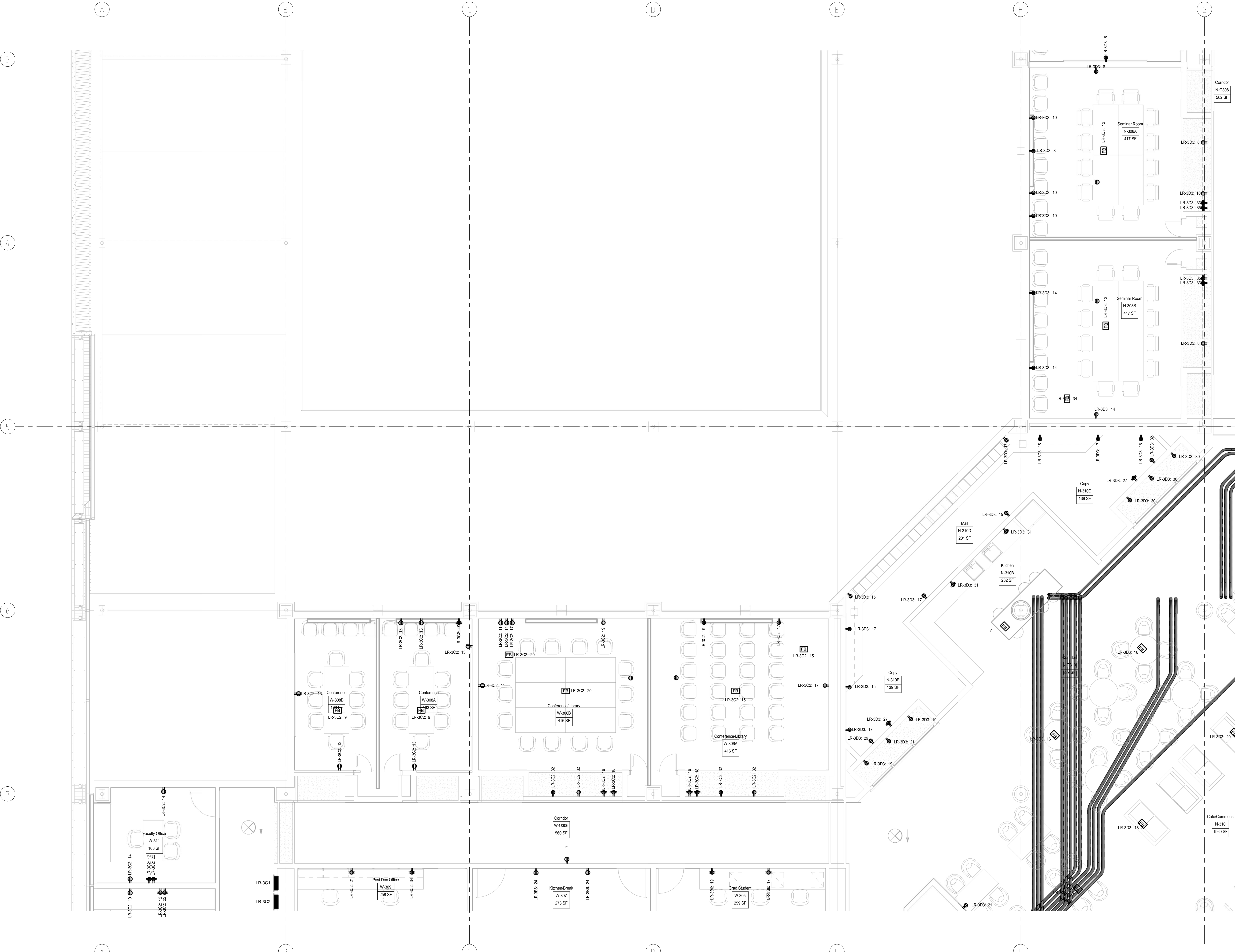
Num	Date	Revision

**THIRD FLOOR LIGHTING ZONE B**

Project Number: 2010-2011  
Building Stimulus  
Drawn by: [Name]  
Author: [Name]  
Date: 2010-2011  
Scale: 1/8" = 1'-0"



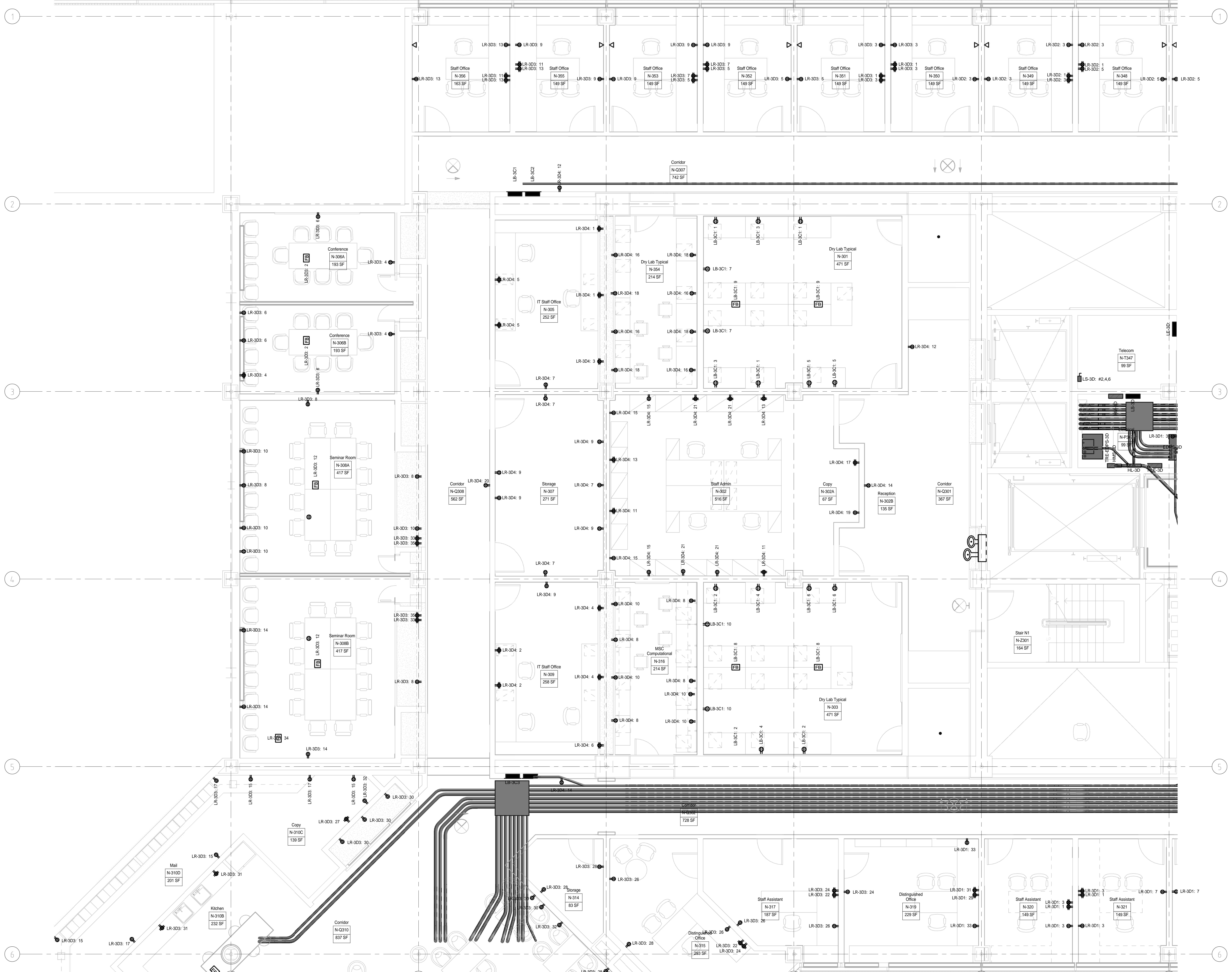
Pennsylvania State University  
Millennium Science Complex



Num	Date	Revision

**THIRD FLOOR POWER PLAN ZONE C**

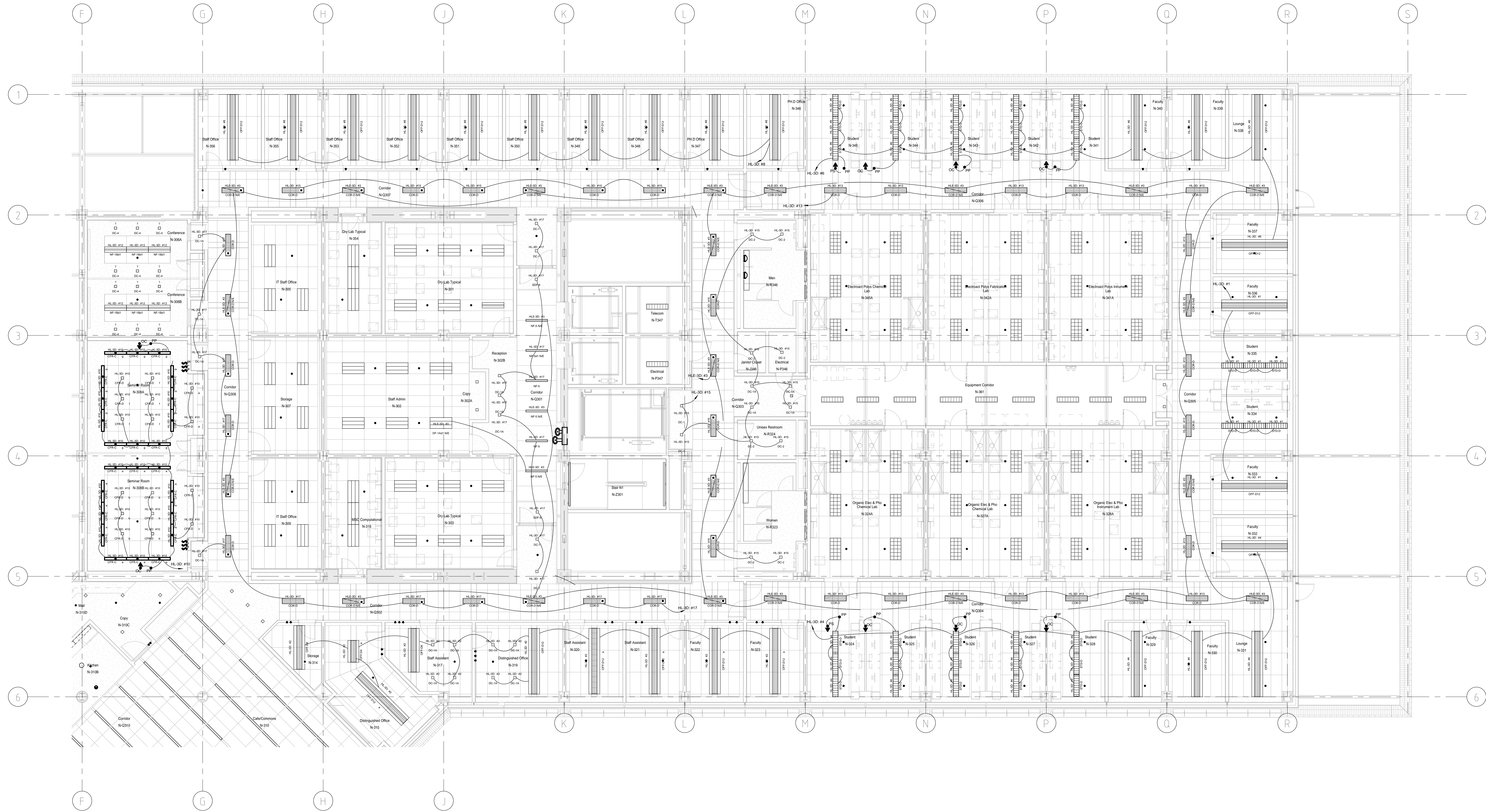
Project Number: Building Stimulus  
 Date: 2010-2011  
 Drawn by: LWM124  
 Scale: 1/4" = 1'-0"



Num	Date	Revision

**THIRD FLOOR POWER  
PLAN ZONE C (NORTH)**

Project Number: Building Stimulus  
Date: 2010-2011  
Drawn by: Author  
Scale: 1/4" = 1'-0"

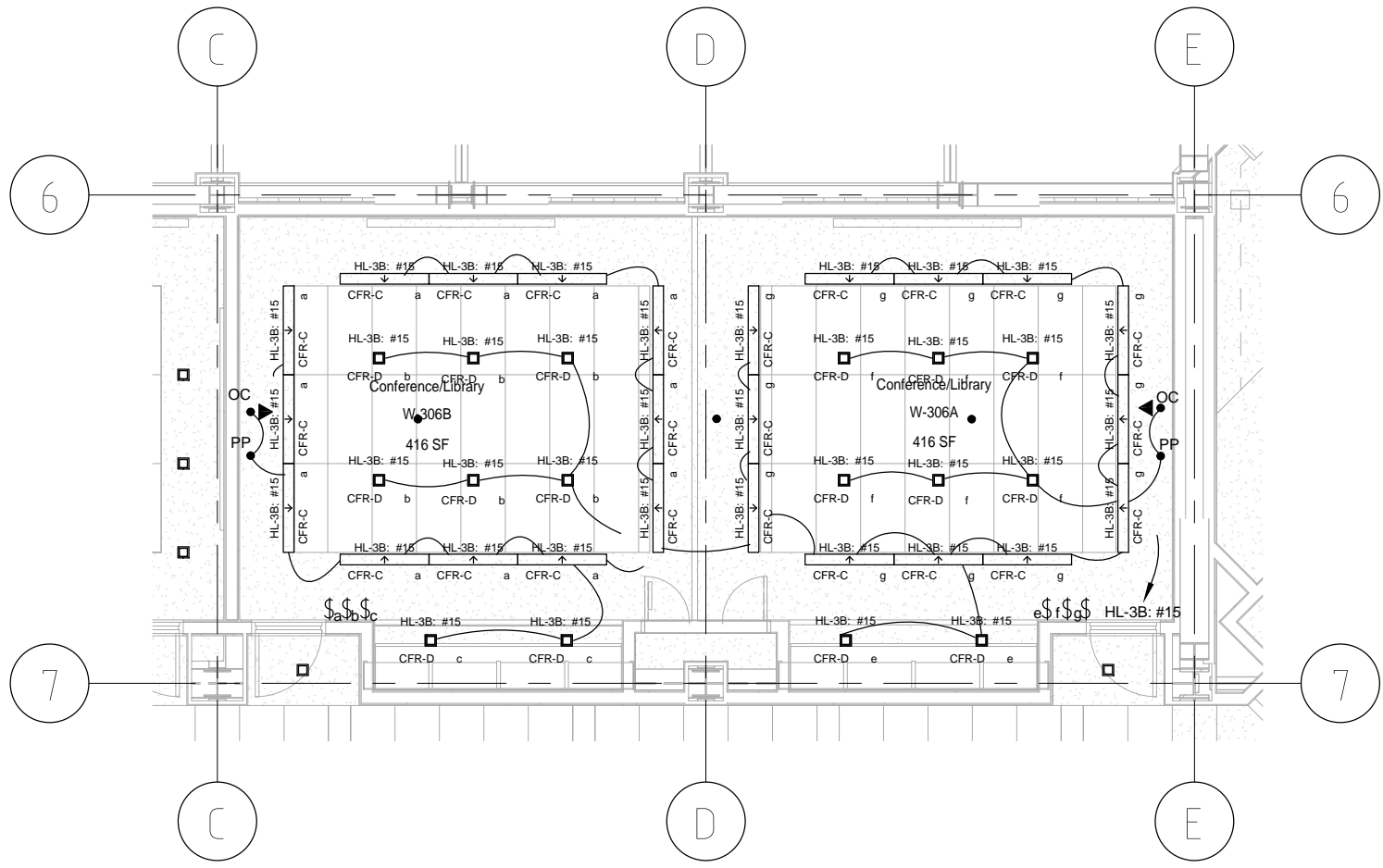


Num	Date	Revision

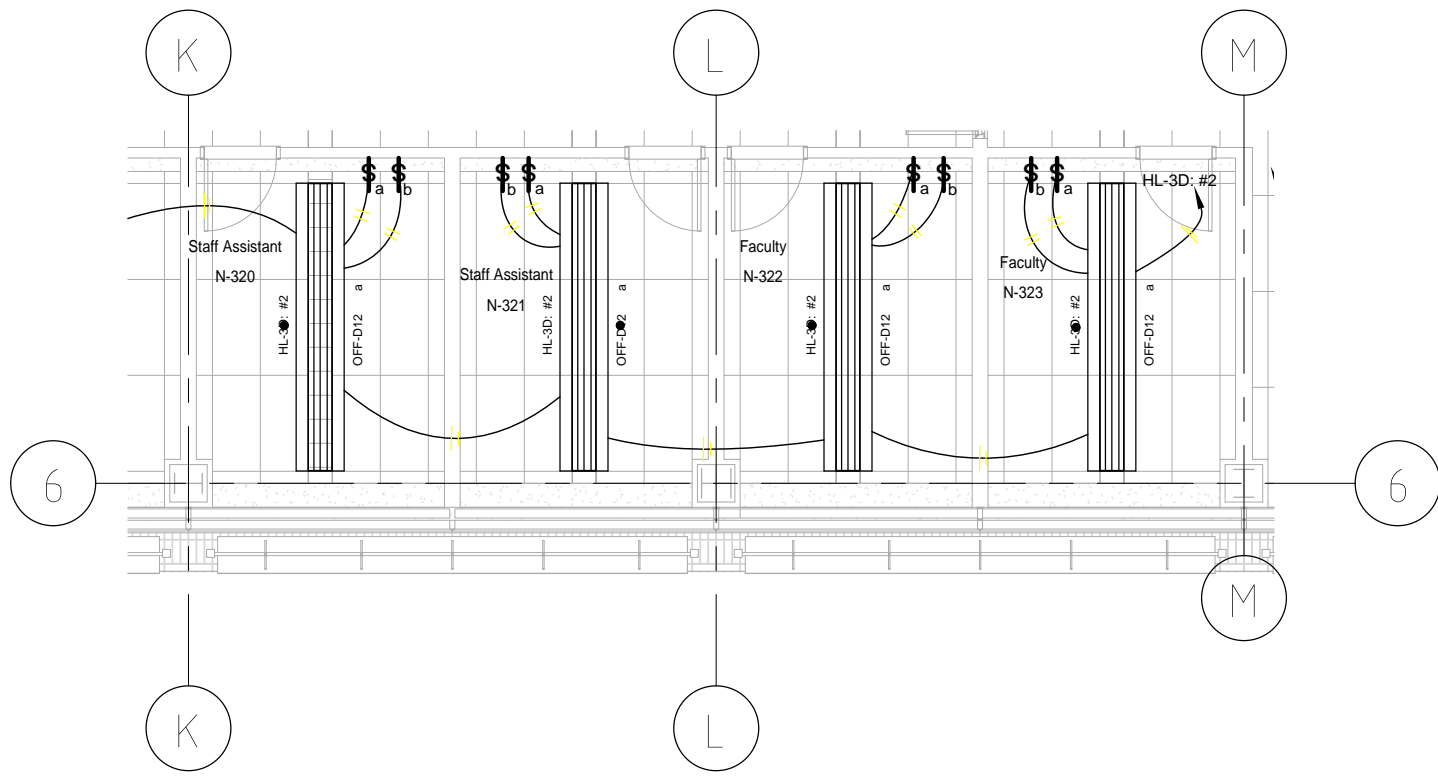
**THIRD FLOOR LIGHTING  
PLAN ZONE D**



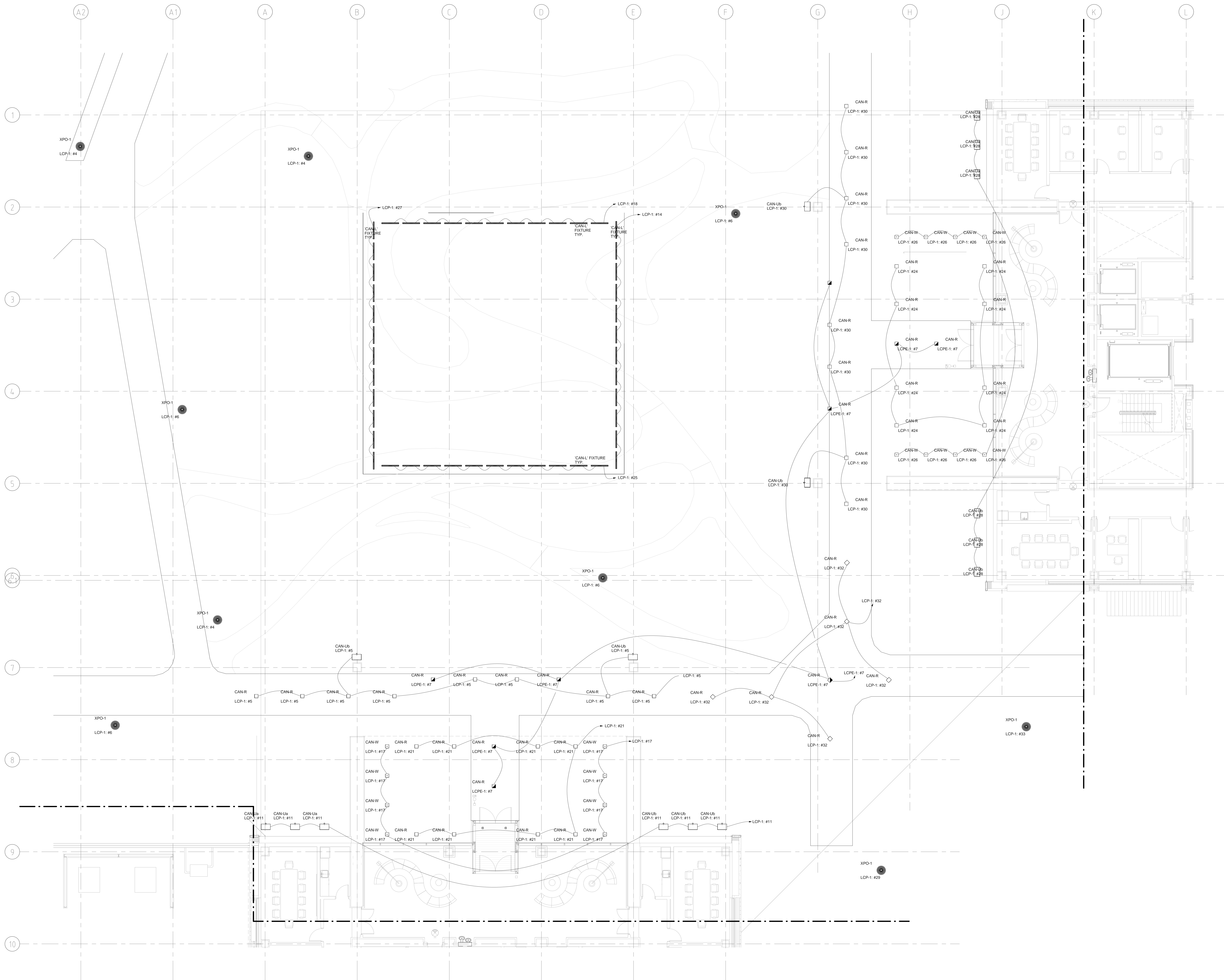




E-6.1  
Conference Room Lighting  
Detail



1 Typical Office Lighting Detail  
E-6.2 1/8" = 1'-0"



Num	Date	Revision

**Exterior Plaza Lighting Plan**

Panel LB-381 schedule table with columns for CKT, LOAD, CB, LOAD (kVA), CB, SERVES, CKT. Includes total loads and demand factor summary.

Panel LB-382 schedule table with columns for CKT, LOAD, CB, LOAD (kVA), CB, SERVES, CKT. Includes total loads and demand factor summary.

Panel LB-383 schedule table with columns for CKT, LOAD, CB, LOAD (kVA), CB, SERVES, CKT. Includes total loads and demand factor summary.

Panel LB-384 schedule table with columns for CKT, LOAD, CB, LOAD (kVA), CB, SERVES, CKT. Includes total loads and demand factor summary.

TOTAL LOADS summary table for Panel LB-381: PHASE 4810 VA, PHASE 5350 VA, PHASE 5820 VA, TOTAL CONNECTED LOAD 17080.

TOTAL LOADS summary table for Panel LB-382: PHASE 12990, PHASE 14688 VA, PHASE 15170 VA, PHASE 16320 VA, TOTAL CONNECTED LOAD 27480.

TOTAL LOADS summary table for Panel LB-383: PHASE 4800 VA, PHASE 4600 VA, PHASE 180 VA, PHASE 9380 VA, TOTAL CONNECTED LOAD.

TOTAL LOADS summary table for Panel LB-384: PHASE 13250, PHASE 9470 VA, PHASE 12160, PHASE 34880, TOTAL CONNECTED LOAD.

Panel LB-385 schedule table with columns for CKT, LOAD, CB, LOAD (kVA), CB, SERVES, CKT. Includes total loads and demand factor summary.

Panel LB-386 schedule table with columns for CKT, LOAD, CB, LOAD (kVA), CB, SERVES, CKT. Includes total loads and demand factor summary.

Panel LB-3C1 schedule table with columns for CKT, LOAD, CB, LOAD (kVA), CB, SERVES, CKT. Includes total loads and demand factor summary.

Panel LB-3D1 schedule table with columns for CKT, LOAD, CB, LOAD (kVA), CB, SERVES, CKT. Includes total loads and demand factor summary.

TOTAL LOADS summary table for Panel LB-385: PHASE 7450 VA, PHASE 12040, PHASE 7090 VA, TOTAL CONNECTED LOAD 26580.

TOTAL LOADS summary table for Panel LB-386: PHASE 3250 VA, PHASE 11190, PHASE 9320 VA, PHASE 29960, TOTAL CONNECTED LOAD.

TOTAL LOADS summary table for Panel LB-3C1: PHASE 2160 VA, PHASE 1800 VA, PHASE 720 VA, PHASE 4680 VA, TOTAL CONNECTED LOAD.

TOTAL LOADS summary table for Panel LB-3D1: PHASE 6240 VA, PHASE 2610 VA, PHASE 2610 VA, PHASE 11460, TOTAL CONNECTED LOAD.

Panel LB-3D8 schedule table with columns for CKT, LOAD, CB, LOAD (kVA), CB, SERVES, CKT. Includes total loads and demand factor summary.

Panel LB-3D5 schedule table with columns for CKT, LOAD, CB, LOAD (kVA), CB, SERVES, CKT. Includes total loads and demand factor summary.

Panel LB-3D6 schedule table with columns for CKT, LOAD, CB, LOAD (kVA), CB, SERVES, CKT. Includes total loads and demand factor summary.

Panel LB-3D7 schedule table with columns for CKT, LOAD, CB, LOAD (kVA), CB, SERVES, CKT. Includes total loads and demand factor summary.

TOTAL LOADS summary table for Panel LB-3D8: PHASE 10100, PHASE 5500 VA, PHASE 8400 VA, TOTAL CONNECTED LOAD 22000.

TOTAL LOADS summary table for Panel LB-3D5: PHASE 6730 VA, PHASE 5630 VA, PHASE 5630 VA, PHASE 17990, TOTAL CONNECTED LOAD.

TOTAL LOADS summary table for Panel LB-3D6: PHASE 2100 VA, PHASE 1980 VA, PHASE 2340 VA, PHASE 7020 VA, TOTAL CONNECTED LOAD.

TOTAL LOADS summary table for Panel LB-3D7: PHASE 8110 VA, PHASE 7570 VA, PHASE 5860 VA, PHASE 21540, TOTAL CONNECTED LOAD.

Panel LB-3D8 schedule table with columns for CKT, LOAD, CB, LOAD (kVA), CB, SERVES, CKT. Includes total loads and demand factor summary.

Panel LR-385 schedule table with columns for CKT, LOAD, CB, LOAD (kVA), CB, SERVES, CKT. Includes total loads and demand factor summary.

Panel LR-386 schedule table with columns for CKT, LOAD, CB, LOAD (kVA), CB, SERVES, CKT. Includes total loads and demand factor summary.

Panel LR-3C1 schedule table with columns for CKT, LOAD, CB, LOAD (kVA), CB, SERVES, CKT. Includes total loads and demand factor summary.

TOTAL LOADS summary table for Panel LB-3D8: PHASE 5890 VA, PHASE 5830 VA, PHASE 6170 VA, TOTAL CONNECTED LOAD 18990.

TOTAL LOADS summary table for Panel LR-385: PHASE 8680 VA, PHASE 8640 VA, PHASE 8640 VA, PHASE 25920, TOTAL CONNECTED LOAD.

TOTAL LOADS summary table for Panel LR-386: PHASE 1140 VA, PHASE 5560 VA, PHASE 2340 VA, PHASE 16440, TOTAL CONNECTED LOAD.

TOTAL LOADS summary table for Panel LR-3C1: PHASE 8540 VA, PHASE 8640 VA, PHASE 8640 VA, PHASE 25920, TOTAL CONNECTED LOAD.

Revision table with columns for Num, Date, Revision.

