

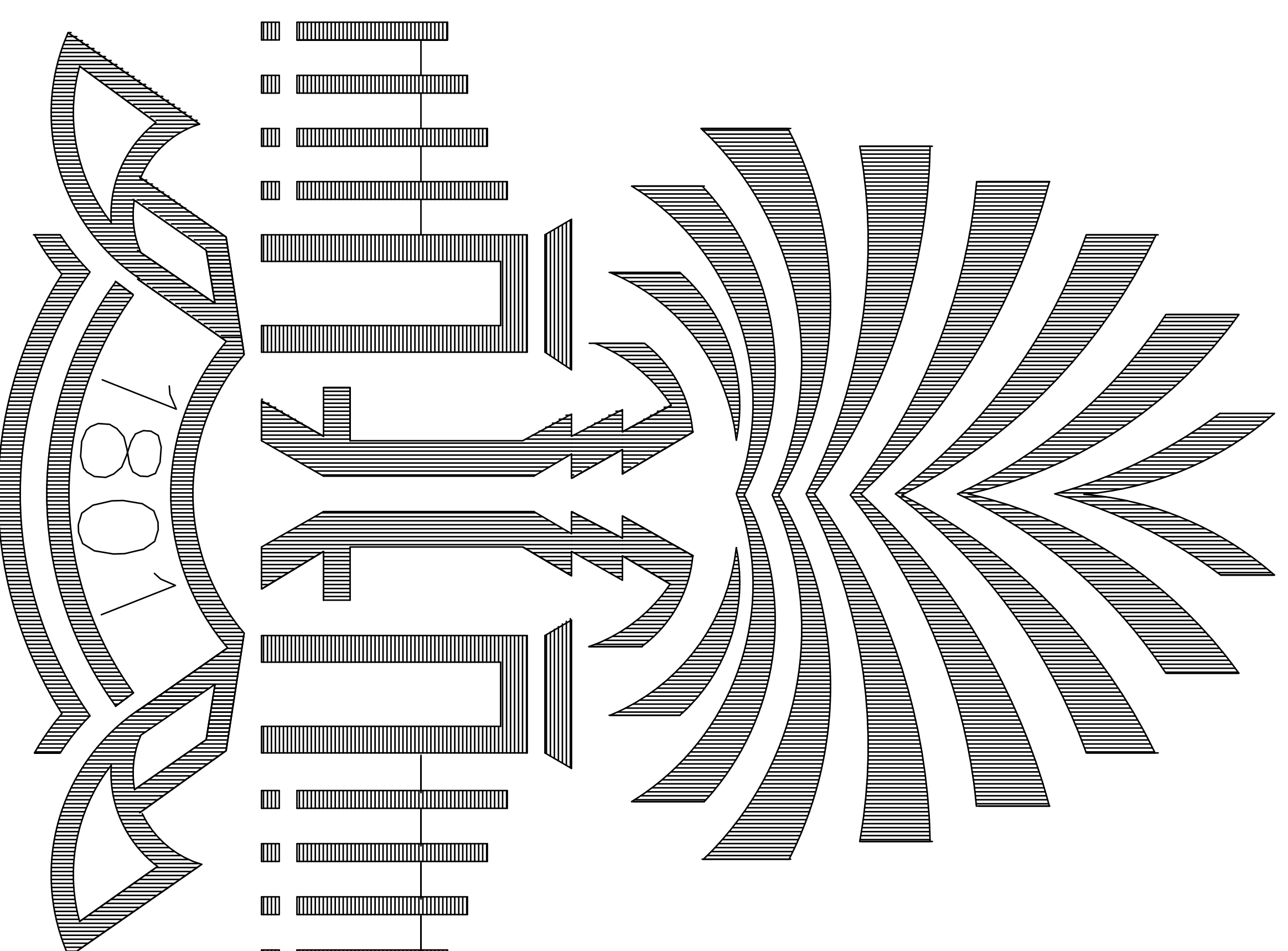
# BULL STREET GARAGE LED LIGHTING RETROFIT

FOR

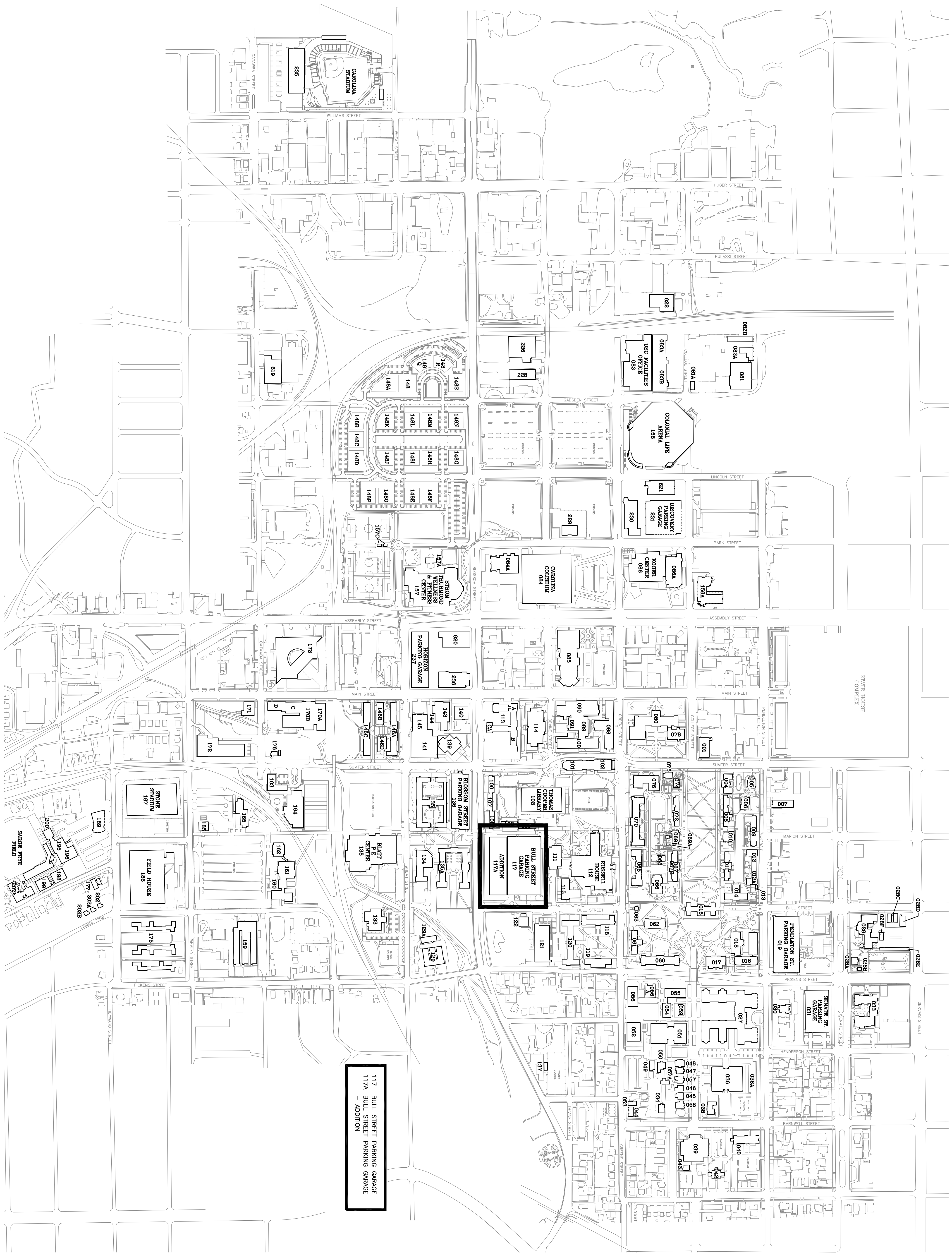
THE UNIVERSITY OF SOUTH CAROLINA

Project Number: H27-Z042

MARCH 27, 2013



SHEET NO.	DESCRIPTION
	COVER
	CAMPUS MAP
E0.1	ELECTRICAL LEGEND, NOTES AND SCHEDULE
E0.2	LIGHTING DEMOLITION PLAN - LEVEL L2
E1.1	LIGHTING DEMOLITION PLAN - LEVEL L1
E1.2	LIGHTING DEMOLITION PLAN - LEVEL L1
E1.3	LIGHTING DEMOLITION PLAN - LEVEL 1
E1.4	LIGHTING DEMOLITION PLAN - LEVEL 2
E1.5	LIGHTING DEMOLITION PLAN - LEVEL 2
E1.6	LIGHTING DEMOLITION PLAN - LEVEL 4
E1.7	LIGHTING DEMOLITION PLAN - LEVEL 5
E1.8	LIGHTING DEMOLITION PLAN - LEVEL 5
E2.1	LIGHTING INSTALLATION PLAN - LEVEL L2
E2.2	LIGHTING INSTALLATION PLAN - LEVEL L1
E2.3	LIGHTING INSTALLATION PLAN - LEVEL 1
E2.4	LIGHTING INSTALLATION PLAN - LEVEL 2
E2.5	LIGHTING INSTALLATION PLAN - LEVEL 3
E2.6	LIGHTING INSTALLATION PLAN - LEVEL 4
E2.7	LIGHTING INSTALLATION PLAN - LEVEL 5
E3.1	PHOTOMETRIC LAYOUT - LEVEL L2
E3.2	PHOTOMETRIC LAYOUT - LEVEL L1
E3.3	PHOTOMETRIC LAYOUT - LEVEL 1
E3.4	PHOTOMETRIC LAYOUT - LEVEL 2
E3.5	PHOTOMETRIC LAYOUT - LEVEL 3
E3.6	PHOTOMETRIC LAYOUT - LEVEL 4
E3.7	PHOTOMETRIC LAYOUT - LEVEL 5



117 BULL STREET PARKING GARAGE  
117A BULL STREET PARKING GARAGE  
- ADDITION

<p>CAMPUS MAP University of South Carolina</p>	<p>PROJECT TITLE: BULL STREET GARAGE LIGHTING RETROFIT H27-Z042</p>	<p>BUILDING: 170/170A</p>	<p>DRAWING: E0.1</p>	<p>DATE: 01/31/2013</p>	<p>DRAWN BY: TGW</p>	<p>CHECKED BY: TGW</p>	<p>SEAL: SOUTH CAROLINA ING. INC. CONSULTING ENGINEERS NO. 20084-S</p>	<p>SEAL: SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER No. 18382 THOMAS Q. WILKINS</p>	<p>CAMPUS PLANNING AND CONSTRUCTION COLUMBIA, SC 29208</p>
	<p>REV.:</p>	<p>DESCRIPTION</p>	<p>DATE</p>	<p>ORIG. BY</p>	<p>DRAWN BY</p>	<p>DATE</p>	<p>ORIG. BY</p>	<p>DRAWN BY</p>	<p>NO. 18382</p>

E0.1  
2 OF 24  
SHEET IN SET:  
N/A OR N/A

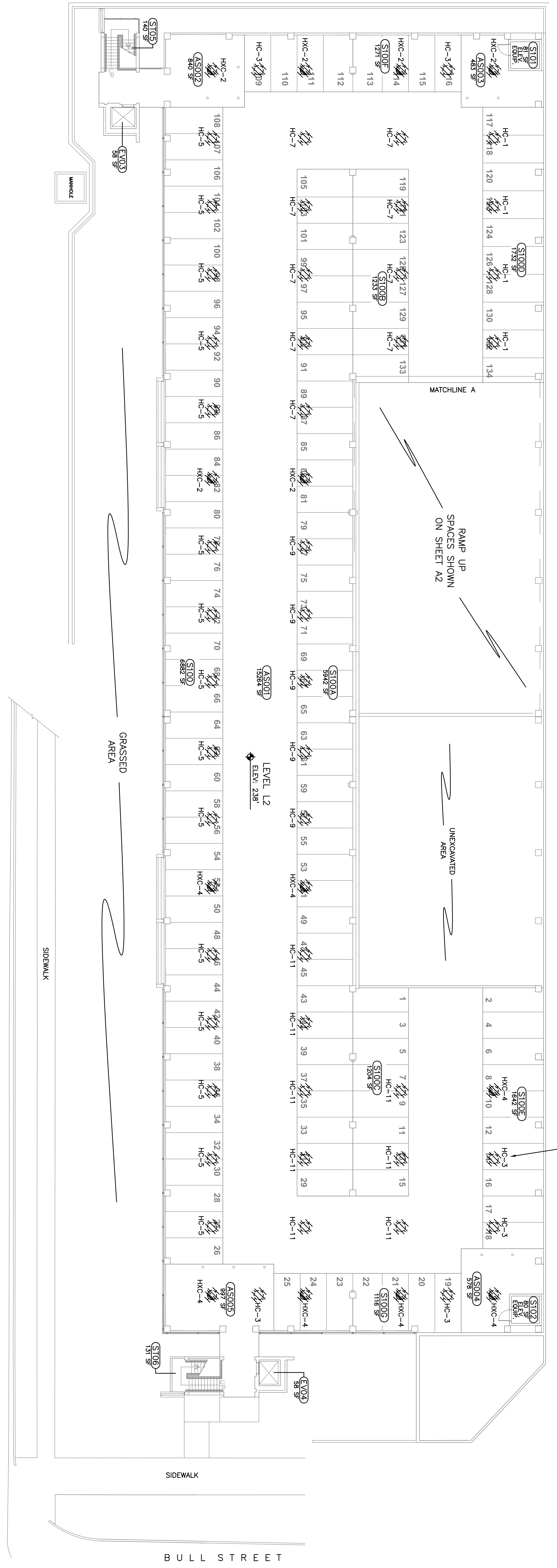


REFER TO NOTE ED1 REGARDING DISPOSITION OF ALL DEMOLISHED MATERIALS

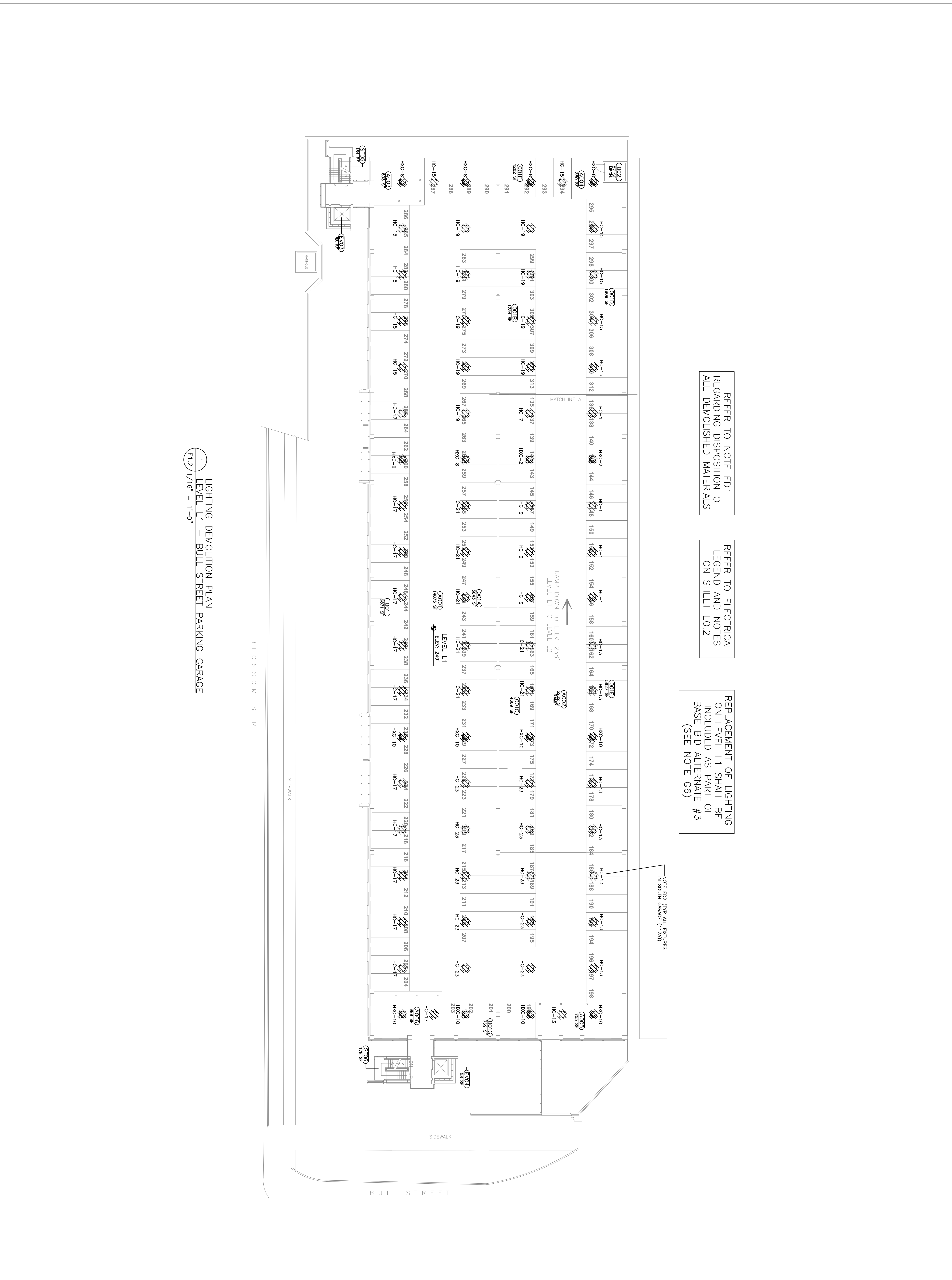
REFER TO ELECTRICAL LEGEND AND NOTES ON SHEET EO.2

REPLACEMENT OF LIGHTING ON LEVEL L2 SHALL BE INCLUDED AS PART OF BASE BID ALTERNATE #3 (SEE NOTE G6)

NOTE ED2 (TOP ALL FIXTURES IN SOUTH GARAGE (117A))



1 LIGHTING DEMOLITION PLAN  
LEVEL L2 - BULL STREET PARKING GARAGE  
E1.1 1/16" = 1'-0"



REFER TO NOTE ED1 REGARDING DISPOSITION OF ALL DEMOLISHED MATERIALS

REFER TO ELECTRICAL LEGEND AND NOTES ON SHEET E0.2

REPLACEMENT OF LIGHTING ON LEVEL L1 SHALL BE INCLUDED AS PART OF BASE BID ALTERNATE #3 (SEE NOTE G6)

NOTE ED2 (TYPE ALL FIXTURES IN SOUTH GARAGE (177A))

PROJECT TITLE: BULL STREET GARAGE LIGHTING RETROFIT H27-Z042 LIGHTING DEMOLITION PLAN - LEVEL L1 University of South Carolina	BUILDING: 170/170A	DRAWING: E1.2	DATE: 01/31/2013	DRAWN BY: TGW	CHECKED BY: TGW	SEAL: SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER No. 18382	SEAL: SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER No. 18382	CAMPUS PLANNING AND CONSTRUCTION COLUMBIA, SC 29208
	REV.	DESCRIPTION	DATE	ORIG. BY	DRAWN BY	SEAL: SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER No. 18382	SEAL: SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER No. 18382	

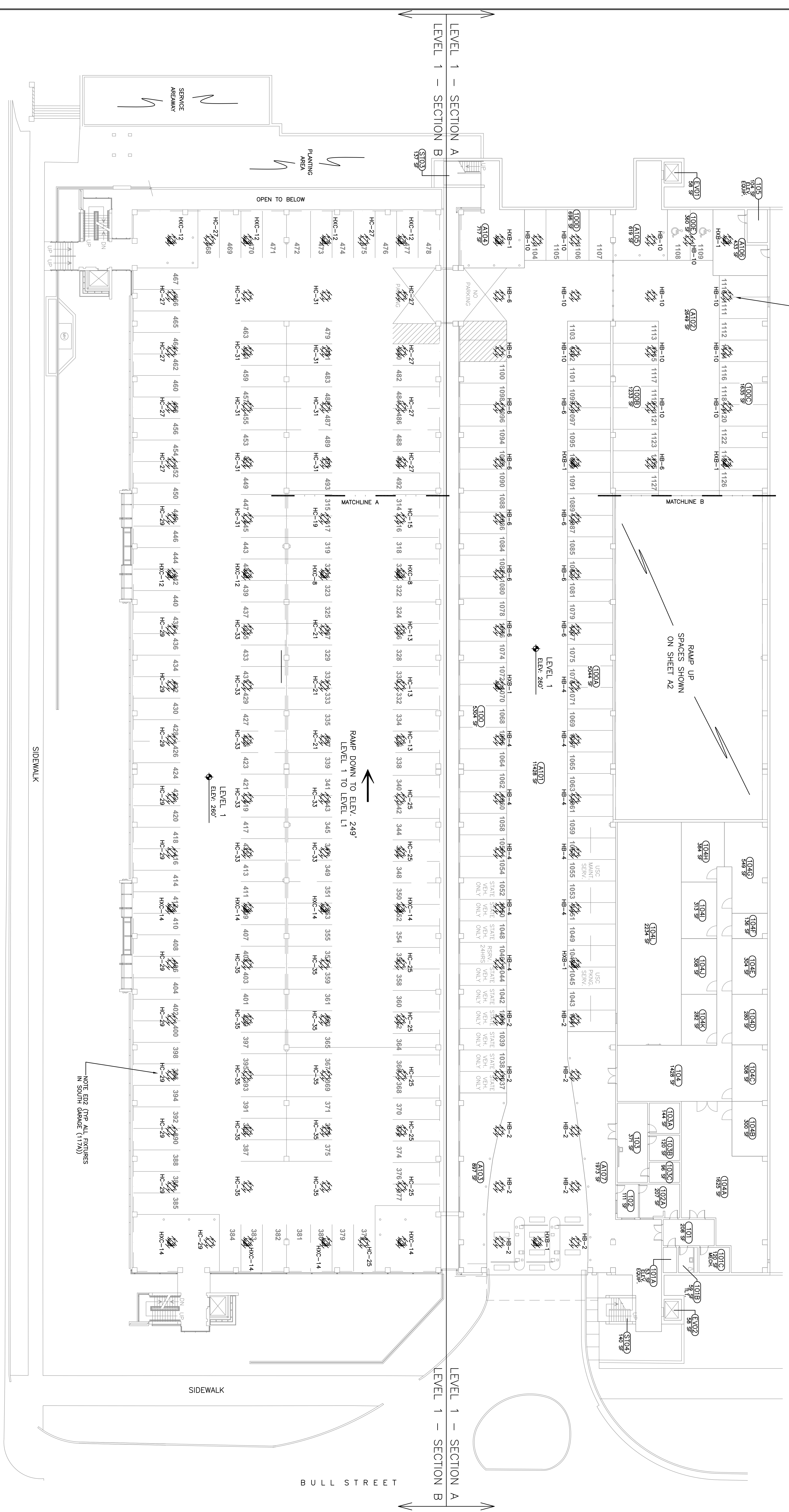
NOTE E03 (TOP ALL FIXTURES IN NORTH GARAGE (117))

REFER TO NOTE ED1 REGARDING DISPOSITION OF ALL DEMOLISHED MATERIALS

REFER TO ELECTRICAL LEGEND AND NOTES ON SHEET E0.2

REPLACEMENT OF LIGHTING ON LEVEL 1 SECTION A SHALL BE INCLUDED AS PART OF THE BASE BID (SEE NOTE G6)

REPLACEMENT OF LIGHTING ON LEVEL 1 SECTION B SHALL BE INCLUDED AS PART OF BASE BID ALTERNATE #1 (SEE NOTE G6)



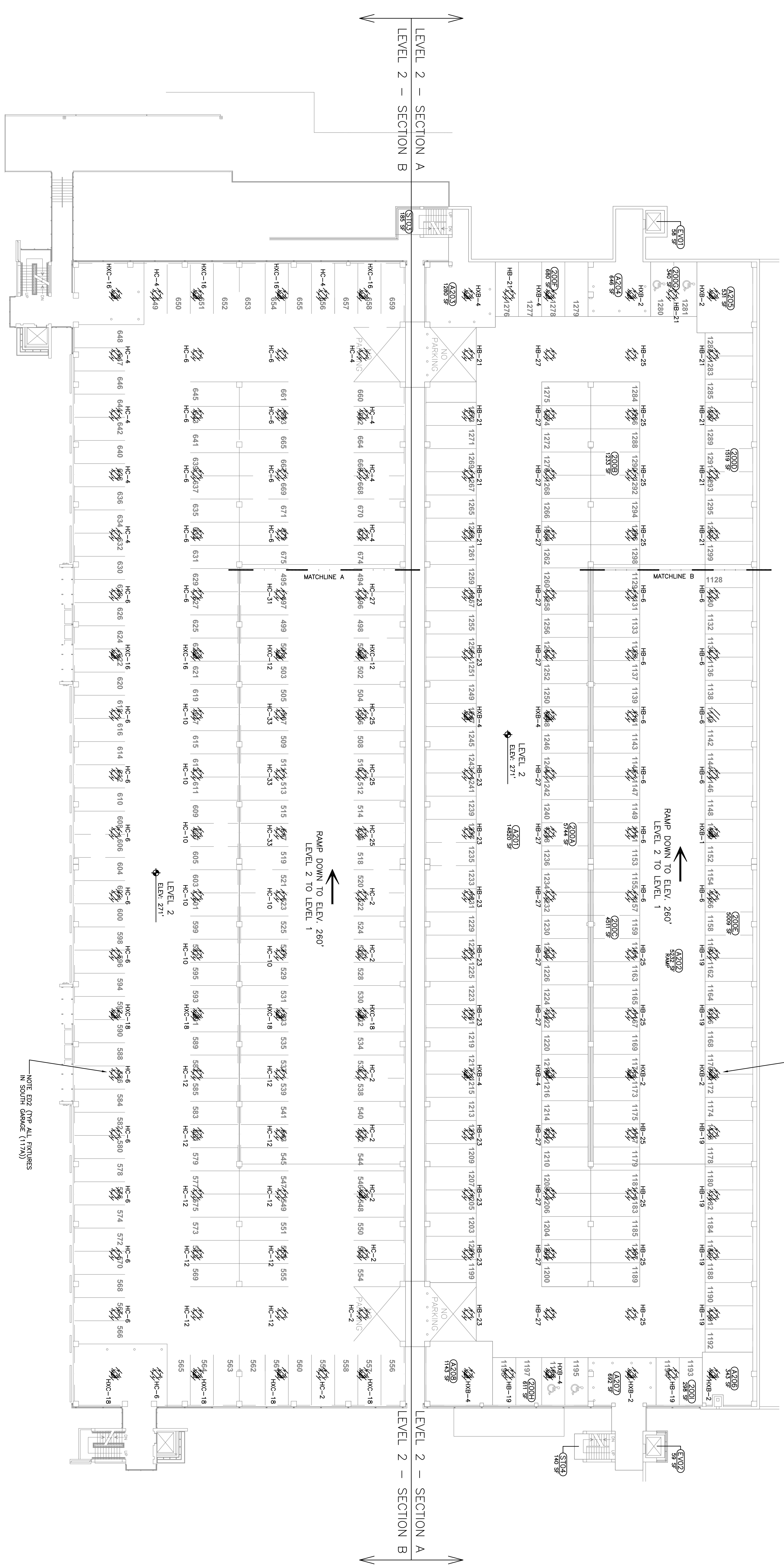
1 LIGHTING DEMOLITION PLAN  
LEVEL 1 - BULL STREET PARKING GARAGE  
E1.3 1/16" = 1'-0"

REFER TO NOTE ED1 REGARDING DISPOSITION OF ALL DEMOLISHED MATERIALS

REFER TO ELECTRICAL LEGEND AND NOTES ON SHEET EO.2

REPLACEMENT OF LIGHTING ON LEVEL 2 SECTION A SHALL BE INCLUDED AS PART OF THE BASE BID (SEE NOTE G6)

REPLACEMENT OF LIGHTING ON LEVEL 2 SECTION B SHALL BE INCLUDED AS PART OF BASE BID ALTERNATE #1 (SEE NOTE G6)



1 LIGHTING DEMOLITION LAYOUT  
LEVEL 2 - BULL STREET PARKING GARAGE  
E1.4 1/16" = 1'-0"



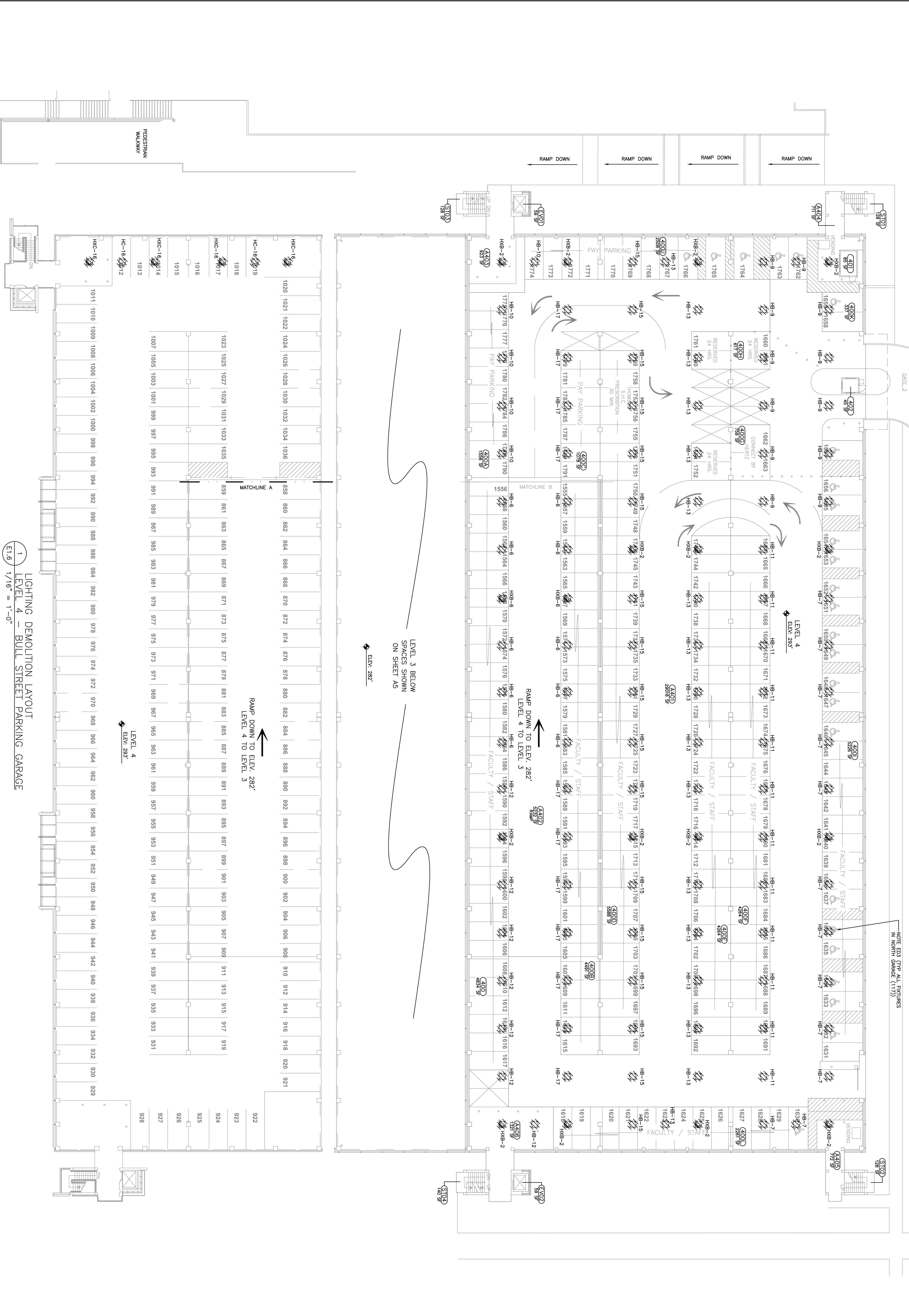


REFER TO NOTE ED1 REGARDING DISPOSITION OF ALL DEMOLISHED MATERIALS

REFER TO ELECTRICAL LEGEND AND NOTES ON SHEET E0.2

REPLACEMENT OF LIGHTING ON LEVEL 4 SHALL BE INCLUDED AS PART OF THE BASE BID (SEE NOTE G6)

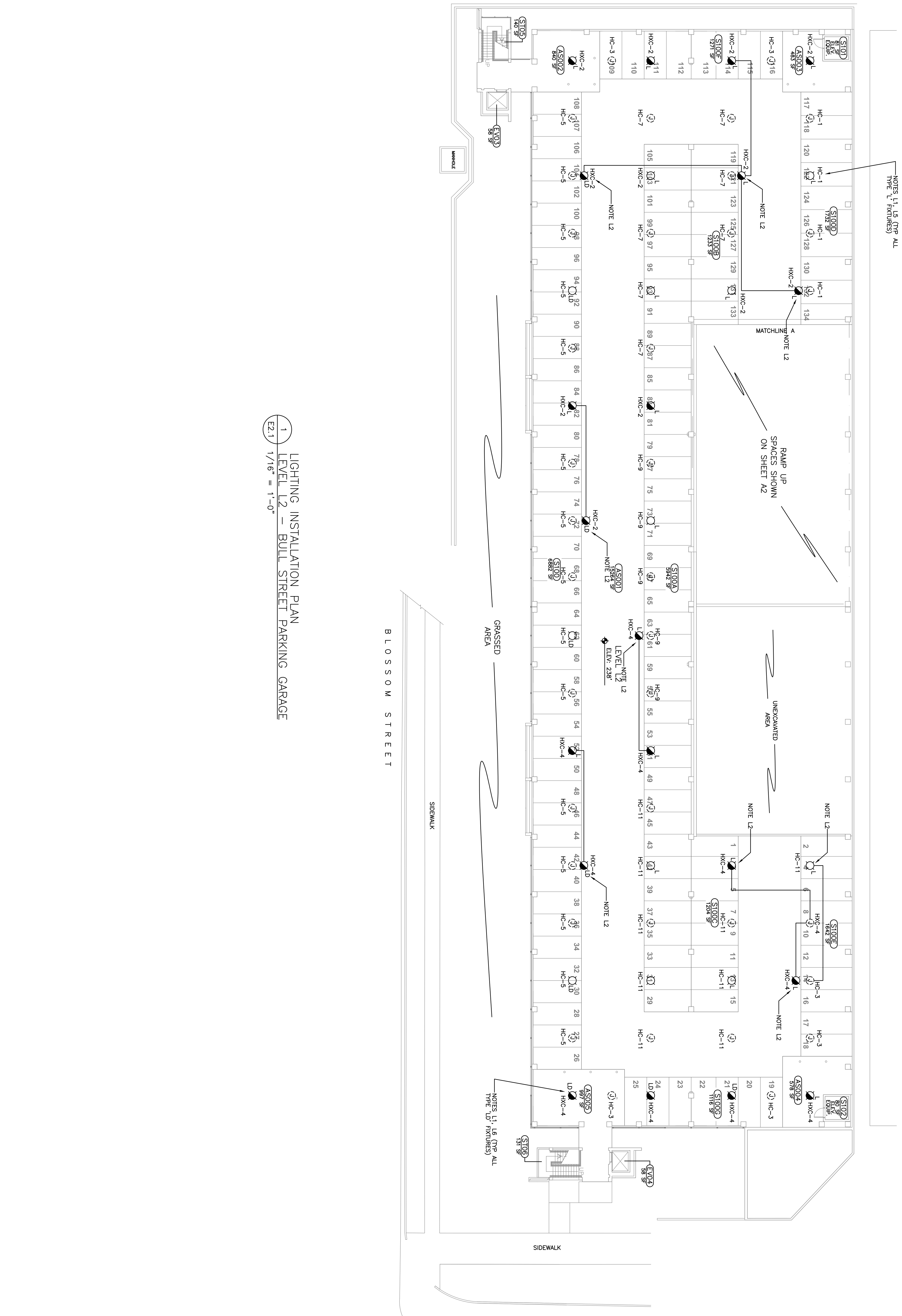
NOTE ED3 (TOP ALL FIXTURES IN NORTH GARAGE (117))



1 LIGHTING DEMOLITION LAYOUT  
LEVEL 4 - BULL STREET PARKING GARAGE  
E1.6 1/16" = 1'-0"

PROJECT TITLE: BULL STREET GARAGE LIGHTING RETROFIT H27-Z042 LIGHTING DEMOLITION PLAN - LEVEL 4 University of South Carolina	BUILDING: 170/170A	DRAWING: E1.6	DATE: 01/31/2013	DRAWN BY: TCW	CHECKED BY: TCW	SEAL: SOUTH CAROLINA PROFESSIONAL ENGINEERS No. 18382 THOMAS A. WHITE REGISTERED PROFESSIONAL ENGINEER NO. 18382	CAMPUS PLANNING AND CONSTRUCTION COLUMBIA, SC 29208
	REV.	DESCRIPTION	DATE	ORIG. BY	DRAWN BY	SEAL: SOUTH CAROLINA PROFESSIONAL ENGINEERS No. 18382 THOMAS A. WHITE REGISTERED PROFESSIONAL ENGINEER NO. 18382	





REFER TO ELECTRICAL  
LEGEND AND NOTES  
ON SHEET EQ.2

REPLACEMENT OF LIGHTING  
ON LEVEL L2 SHALL BE  
INCLUDED AS PART OF  
BASE BID ALTERNATE #3  
(SEE NOTE G6)

NOTES: L1, L6 (TYPE ALL  
TYPE L1 FIXTURES)

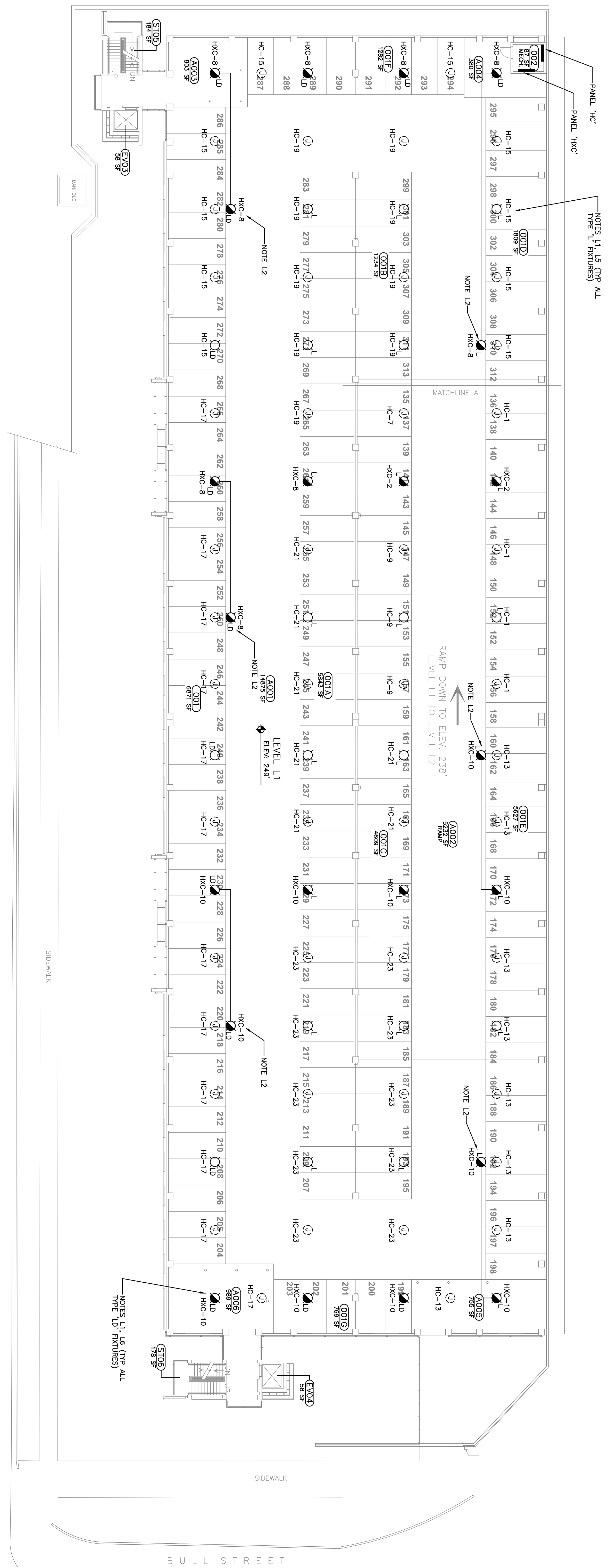
NOTES: L1, L6 (TYPE ALL  
TYPE L1 FIXTURES)

1 LIGHTING INSTALLATION PLAN  
LEVEL L2 - BULL STREET PARKING GARAGE  
E2.1 1/16" = 1'-0"

PROJECT TITLE: BULL STREET GARAGE LIGHTING RETROFIT H27-Z042 LIGHTING INSTALLATION PLAN - LEVEL L2 University of South Carolina	BUILDING: 170/170A REV.	DRAWING: E2.1 DESCRIPTION	DATE: 01/31/2013	DRAWN BY: TGW	CHECKED BY: TGW	SEAL: SOUTH CAROLINA ING. INC. CONSULTING ENGINEERS NO. 200848 	SEAL: SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER No. 18382 	CAMPUS PLANNING AND CONSTRUCTION COLUMBIA, SC 29208
	SHEET: 11 OF 24 E2.1 N/A OR N/A							

REFER TO ELECTRICAL  
LEGEND AND NOTES  
ON SHEET E0.2

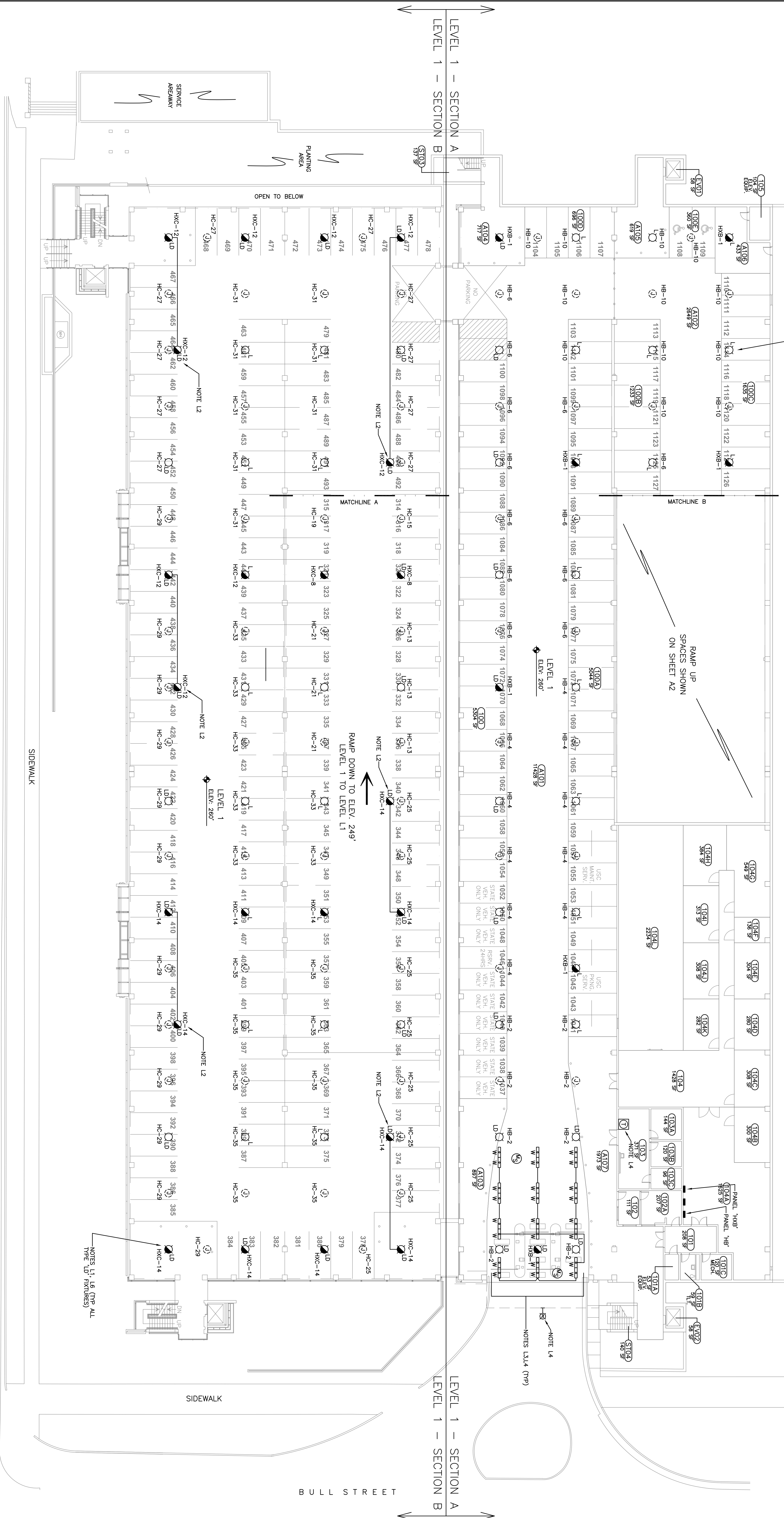
REPLACEMENT OF LIGHTING  
ON LEVEL L1 SHALL BE  
INCLUDED AS PART OF  
BASE BID ALTERNATE #3  
(SEE NOTE G6)



1 LIGHTING INSTALLATION PLAN  
LEVEL L1 - BULL STREET PARKING GARAGE  
E2.2 / 1/16" = 1'-0"

PROJECT TITLE: BULL STREET GARAGE LIGHTING RETROFIT H27-Z042 LIGHTING INSTALLATION PLAN - LEVEL L1 University of South Carolina	BUILDING:	170/170A	DRAWING:	E2.2	DATE:	01/31/2013	DRAWN BY:	TGW	CHECKED BY:	TGW	SEAL: SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER No. 18382 THOMAS Q. WHITE	CAMPUS PLANNING AND CONSTRUCTION COLUMBIA, SC 29208
	REV.		DESCRIPTION		DATE		ORIG. BY	DRAWN BY			SEAL: SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER No. 18382 THOMAS Q. WHITE	

SHEET: E2.2  
12 OF 24  
SHEET IN SET: N/A OF N/A



NOTES L1, L6 (TYP ALL TYPE 'L' FIXTURES)

REFER TO ELECTRICAL LEGEND AND NOTES ON SHEET E0.2

REPLACEMENT OF LIGHTING ON LEVEL 1 SECTION A SHALL BE INCLUDED AS PART OF THE BASE BID (SEE NOTE G6)

REPLACEMENT OF LIGHTING ON LEVEL 1 SECTION B SHALL BE INCLUDED AS PART OF BASE BID ALTERNATE #1 (SEE NOTE G6)

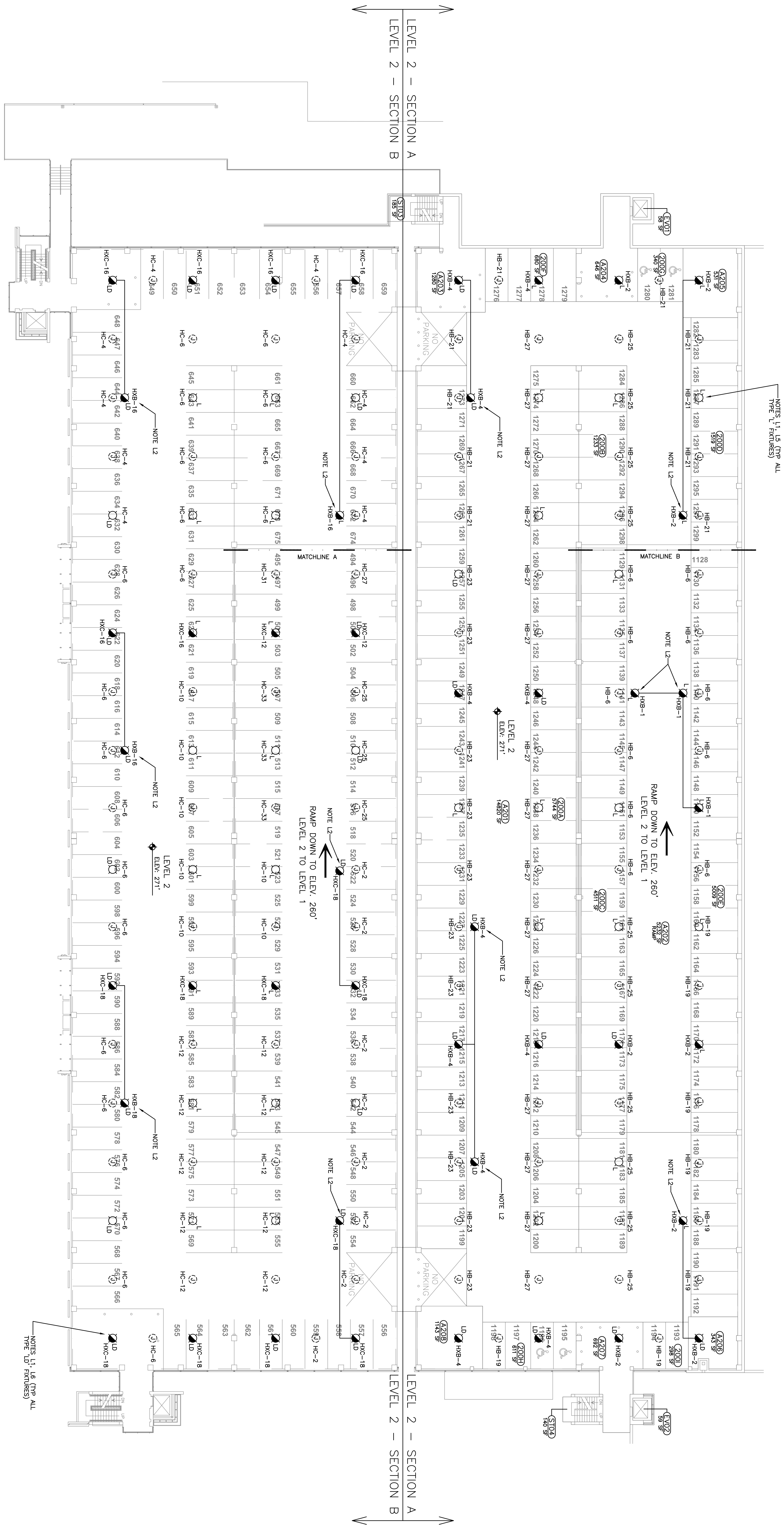
1 LIGHTING INSTALLATION PLAN  
LEVEL 1 - BULL STREET PARKING GARAGE  
E2.3 1/16" = 1'-0"

PROJECT TITLE: BULL STREET GARAGE LIGHTING RETROFIT H27-Z042 LIGHTING INSTALLATION PLAN - LEVEL 1 University of South Carolina	BUILDING: 170/170A	DRAWING: E2.3	DATE: 01/31/2013	DRAWN BY: TCW	CHECKED BY: TCW	SEAL: SOUTH CAROLINA ENGINEERS AND ARCHITECTS ING. INC. CONSULTING ENGINEERS NO. 18382 THOMAS A. WHITE REGISTERED PROFESSIONAL ENGINEER NO. 18382	CAMPUS PLANNING AND CONSTRUCTION COLUMBIA, SC 29208
	REV.	DESCRIPTION	DATE	ORIG. BY	DRAWN BY	SEAL: SOUTH CAROLINA ENGINEERS AND ARCHITECTS ING. INC. CONSULTING ENGINEERS NO. 18382 THOMAS A. WHITE REGISTERED PROFESSIONAL ENGINEER NO. 18382	

REFER TO ELECTRICAL  
LEGEND AND NOTES  
ON SHEET E0.2

REPLACEMENT OF LIGHTING  
ON LEVEL 2 SECTION A  
SHALL BE INCLUDED AS  
PART OF THE BASE BID  
(SEE NOTE G6)

REPLACEMENT OF LIGHTING  
ON LEVEL 2 SECTION B  
SHALL BE INCLUDED AS PART  
OF BASE BID ALTERNATE # 1  
(SEE NOTE G6)

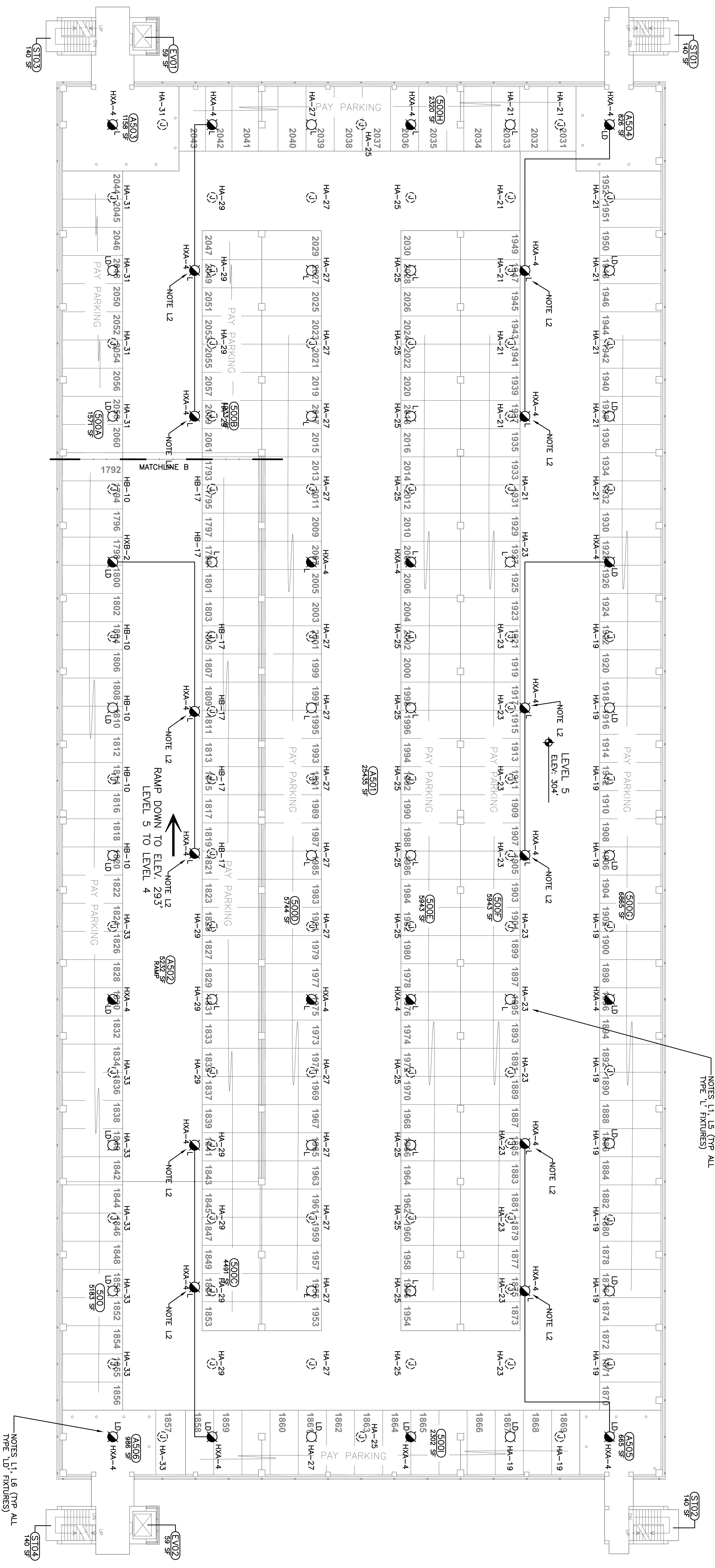


1 LIGHTING INSTALLATION LAYOUT  
LEVEL 2 - BULL STREET PARKING GARAGE  
E2.4 1/16" = 1'-0"









REFER TO ELECTRICAL LEGEND AND NOTES ON SHEET E0.2

REPLACEMENT OF LIGHTING ON LEVEL 5 SHALL BE INCLUDED AS PART OF THE BASE BID (SEE NOTE G6)

NOTES: L1, L5 (TYPE ALL TYPE 'L' FIXTURES)

1 LIGHTING INSTALLATION LAYOUT  
LEVEL 5 - BULL STREET PARKING GARAGE  
E2.7 1/16" = 1'-0"

PROJECT TITLE: BULL STREET GARAGE LIGHTING RETROFIT H27-Z042 LIGHTING INSTALLATION PLAN - LEVEL 5 University of South Carolina	BUILDING: 170/170A	DRAWING: E2.7	DATE: 01/31/2013	DRAWN BY: TGW	CHECKED BY: TGW	SEAL: SOUTH CAROLINA PROFESSIONAL ENGINEERS NO. 18382 THOMAS Q. WHITE	CAMPUS PLANNING AND CONSTRUCTION COLUMBIA, SC 29208
	REV.	DESCRIPTION	DATE	ORG. BY	DRAWN BY	REGISTERED PROFESSIONAL ENGINEER NO. 18382	