# **Bid Addendum 01**



CLARKNEXSEN Project: UNC at Charlotte:

Student Activity Center IT Upgrade

1523 Elizabeth Ave, Suite 300 Charlotte, NC 28204

Date: October 11, 2018 Comm #: SCO ID #: 17-17027-01A

Code: 41626 Item: 307 Clark Nexsen #: 6958

Prepared by: Gary T. Runions, AIA, LEED AP

This ADDENDUM is to be a part of the contract documents and modifies and takes precedence over the original bid documents, as noted below and in any attached documents. Original items of the plans and specifications that have been modified, amended, voided or suspended through previous addendums, shall remain in effect. It is the responsibility of the Bidder to notify and/or distribute this ADDENDUM to those sub-bidders who have received prints or digital files. The Bidder is to acknowledge receipt of this ADDENDUM in the space provided on the Bid Form.

#### DRAWING MODIFICATIONS

- Sheet E600 SINGLE-LINE DIAGRAM & PANEL SCHEDULES
  - REPLACE SHEET with new EP600 showing Revision 1, dated 10/11/18 Bid Addendum #1 in the title block.
- Sheet ET400 ENLARGED ELECTRICAL AND TELECOM PLANS
  - REPLACE SHEET with new ET400 showing Revision 1, dated 10/11/18 Bid Addendum #1 in the title block.

#### PROJECT MANUAL MODIFICATIONS

- NOTICE TO BIDDERS
  - o *REPLACE* "Notice To Bidders" with "Notice To Bidders (Addendum 01)" attached herein.

### **END OF BID ADDENDA 01**

# NOTICE TO BIDDERS

(Addendum #01)

Sealed proposals will be received by the University of North Carolina at Charlotte in Charlotte, NC, in Room 119 of the Facilities Management/Police Building (#55a on the campus map - <a href="http://facilities.uncc.edu/maps">http://facilities.uncc.edu/maps</a>), on the UNC Charlotte campus up to 2:00 p.m. on Tuesday, November 13, 2018 and immediately thereafter publicly opened and read for the furnishing of labor, material and equipment entering into the construction of:

## Student Activity Center (SAC) IT Upgrade

IT Upgrades are for the Barnhardt Student Activity Center, Halton Arena and Miltimore-Wallis Center. Upgrades include telecommunication room spaces and fittings, pathways and conveyances for low voltage cabling, horizontal cabling systems and backbone cabling systems.

Bids will be received by *General Contractors only*. All proposals shall be lump sum.

# **Non-mandatory Pre-Bid Meeting**

A non-mandatory Pre-Bid Meeting will be held on **Tuesday, October 23, 2018** at **2:00 p.m.** in Room 119 of the Facilities Management/Police Building (#55a on the campus map - <a href="http://facilities.uncc.edu/maps">http://facilities.uncc.edu/maps</a>). Visitor parking is available in Lot 26 and 25. Visitors need to obtain a parking permit from the 2<sup>nd</sup> floor Facilities Management Capital Projects Office Manager. Provide the following information: Vehicle owner's name, license tag number, state, vehicle description (make, style, color), and email address.

The meeting will address project-specific questions, issues, bidding procedures, and bid forms. A non-mandatory tour of all project locations will follow. This will be the only walk-through opportunity. Subcontractors are invited to attend the walkthrough. Small, minority, and women-owned firms seeking subcontracting opportunities are encouraged to attend the pre-bid meeting.

Complete plans, specifications and contract documents will be open for inspection at:

- 1) Clark Nexsen Inc., 1523 Elizabeth Ave., Suite 300, Charlotte, North Carolina 28204, Phone: 704-377-8800, Fax: 704-358-1037. Please call to schedule appointment.
- 2) UNC Charlotte Facilities Management/Police Building, 2<sup>nd</sup> floor Capital Projects (#55a on the campus map <a href="http://facilities.uncc.edu/maps">http://facilities.uncc.edu/maps</a>), 9151 Cameron Blvd., Charlotte, NC 28223, Phone: 704-687-0615

Digital (Electronic) plans, specifications and contract documents are available at the following:

- 1) Construct Connect at content@constructconnect.com (800) 364-2059
- 2) North Carolina Offices of Dodge Data & Analytics (formerly McGraw-Hill Construction) Customer Service (800) 393-6343
- 3) Metrolina Minority Contractors Association (MMCA) <a href="mmca@mmcaofcharlotte.org">mmca@mmcaofcharlotte.org</a> (877) 526-6205

NOTICE TO BIDDERS 001116 - 2

Bidding Documents are available in printed form from Duncan Parnell via their web page <a href="http://www.dpibidroom.com">http://www.dpibidroom.com</a>. Registration with Duncan Parnell via their web page is required to view the bid documents. A NON-REFUNDABLE FEE of \$154.00 + tax is required to acquire a hard copy of the bid documents for use in preparing a bid.

**NOTE**: The bidder shall include with the bid proposal the form *Identification of Minority Business Participation* identifying the minority business participation it will use on the project and shall include either *Affidavit A* or *Affidavit B* as applicable. Forms and instructions are included within the Proposal Form in the bid documents. Failure to complete these forms is grounds for rejection of the bid. (GS143-128.2c Effective 1/1/2002.)

All contractors are hereby notified that they must have proper license as required under the state laws governing their respective trades.

General contractors are notified that Chapter 87, Article 1, General Statutes of North Carolina, will be observed in receiving and awarding general contracts. General contractors submitting bids on this project must have license classification for <u>Building Contractor with unlimited license required by the NC General Contractors Licensing Board under G.S. 87-1.</u>

NOTE--SINGLE PRIME CONTRACTS: Under GS 87-1, a contractor that superintends <u>or manages</u> construction of any building, highway, public utility, grading, structure or improvement shall be deemed a "general contractor" and shall be so licensed. Therefore, a single prime project that involves other trades will require the single prime contractor to hold a proper General Contractors license.

Each proposal shall be accompanied by a cash deposit or a certified check drawn on some bank or trust company, insured by the Federal Deposit Insurance Corporation, of an amount equal to not less than five percent (5%) of the proposal, or in lieu thereof a bidder may offer a bid bond of five percent (5%) of the bid executed by a surety company licensed under the laws of North Carolina to execute the contract in accordance with the bid bond. Said deposit shall be retained by the owner as liquidated damages in event of failure of the successful bidder to execute the contract within ten days after the award or to give satisfactory surety as required by law.

A performance bond and a payment bond will be required for one hundred percent (100%) of the contract price.

Payment will be made based on ninety-five percent (95%) of monthly estimates and final payment made upon completion and acceptance of work.

No bid may be withdrawn after the scheduled closing time for the receipt of bids for a period of 30 days.

The owner reserves the right to reject any or all proposals.

Firms that do not plan to attend the Bid Opening must deliver bids to the following, no later than 1:00 p.m. on Tuesday, November 13, 2018:

#### Mailed to:

Attn: Ms. Joyce Clay
The University of North Carolina at Charlotte
Facilities Management – Capital Project
9201 University City Boulevard
Charlotte, NC 28223-0001

NOTICE TO BIDDERS 001116 - 3

Or

# Hand Delivered to:

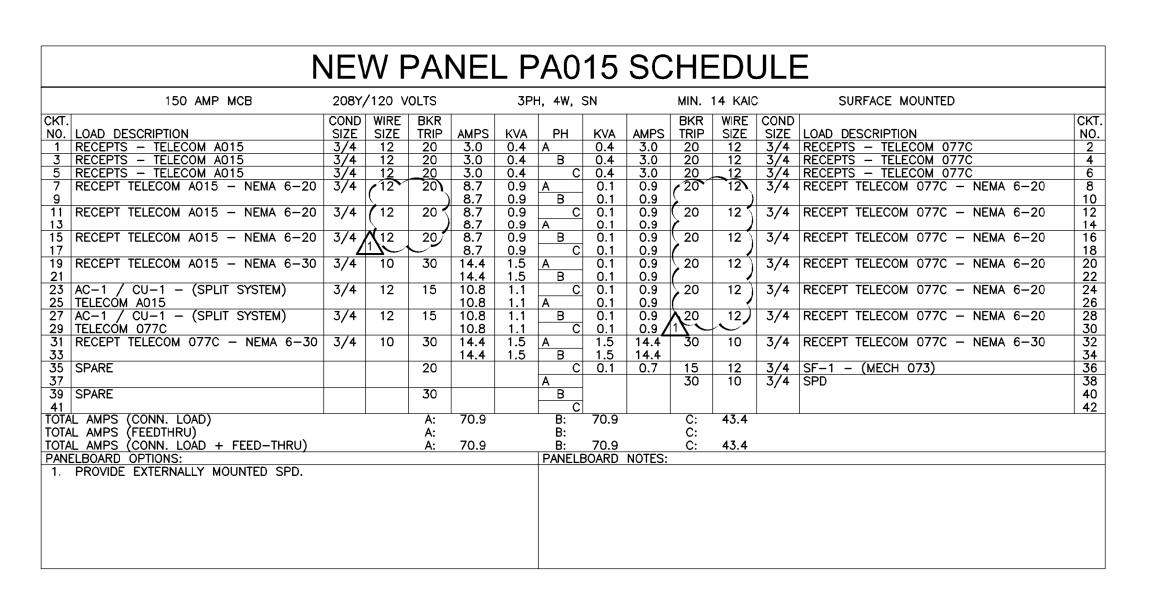
Attn: Ms. Joyce Clay – 2<sup>nd</sup> Floor Capital Projects
Facilities Management/Campus Police Building (#55 on the campus map)
9151 Cameron Boulevard
Charlotte, NC 28223
704-687-0615

# Owner:

The University of North Carolina at Charlotte 9201 University City Boulevard Charlotte, NC 28223

Designer: Clark Nexsen 1523 Elizabeth Ave Suite 300 Charlotte NC 28212 (do not mail or hand deliver bids to Clark Nexsen)

NOTICE TO BIDDERS 001116 - 4



	NE	W	PA	NE	L	22	22 3	SCI	ΗE	DU	LE		
100 AMP MCB	208Y,	/120 V	OLTS		3PH	1, 4W,	SN		MIN.	14 KAIC	;	SURFACE MOUNTED	
CKT. NO. LOAD DESCRIPTION	COND SIZE	SIZE	BKR TRIP	AMPS	KVA	PH	KVA	AMPS	BKR TRIP	WIRE SIZE	COND SIZE	LOAD DESCRIPTION	CKT NO.
1 RECEPT TELECOM 229 - NEMA 6-20	3/4	12	20	8.7 8.7	0.9 0.9	A B			20			SPARE	2 4
5 RECEPT TELECOM 229 - NEMA 6-20	3/4	12	20	8.7 8.7	0.9	A C			20			SPARE	6 8
9 RECEPT TELECOM 229 - NEMA 6-20	3/4	12	20	8.7 8.7	0.9 0.9	ВС			20			SPARE	10 12
13 RECEPT TELECOM 229 — NEMA 6-30 15	3/4	10	30	14.4 14.4	1.5 1.5	A B			30			SPARE	14 16
17 SPARE 19 SPARE			20 20			A C			30			SPARE	18 20
21 SPARE 23 SPARE			20 20			ВС			30			SPARE	22
25 SPARE 27 SPARE			20 20			A B			30	10	3/4	SPD	26 28
29 SPARE TOTAL AMPS (CONN. LOAD) TOTAL AMPS (FEEDTHRU)			20 A:	27.5		B: B:	27.5		C: C:	15.0			30
TOTAL AMPS (CONN. LOÁD + FEED-THRU) PANELBOARD OPTIONS:			A: A:	27.5		B:	27.5 BOARD	NOTES:	C:	15.0			
PROVIDE EXTERNALLY MOUNTED SPD.													

TOTAL AMPS (FEEDTHRU) ´ A: B: C:		100 AMP MCB	208Y	/120 V	OLTS		3P	H, 4W,	SN		MIN.	10 KAI		SURFACE MOUNTED	
NO. LOAD DESCRIPTION    AC-1 / CU-1 - (SPLIT SYSTEM)   3/4   12   15   10.8   1.1   A   0.9   8.7   20   12   3/4   NEMA L6-20, TELECOM 212F	CKT.		COND	WIRE	BKR						BKR	WIRE	COND		CK
3   10.8   1.1   B   0.9   8.7   20   12   3/4   NEMA L6-20, TELECOM 212F     3   5   5   5   5   5   5     5   5   5			SIZE	SIZE	TRIP	AMPS	KVA	PH	KVA	AMPS	TRIP	SIZE	SIZE	LOAD DESCRIPTION	NO
7   SPARE   20   B   0.9   8.7   20   12   3/4   NEMA L6-20, TELECOM 212F		AC-1 / CU-1 - (SPLIT SYSTEM)	3/4	12	15						20	12	3/4	NEMA L6-20, TELECOM 212F	2
SPARE   20   B   0.9   8.7   20   12   3/4   NEMA L6-20, TELECOM 212F		SPARE			20						20	12	3/4	NEMA L6-20, TELECOM 212F	6
13   SPARE     30     A   0.9   8.7   20   12   3/4   NEMA L6-20, TELECOM 212F     15   SPARE     30     C   0.9   8.7   20   12   3/4   NEMA L6-20, TELECOM 212F     17   SPARE     30     C   0.9   8.7   20   12   3/4   NEMA L6-20, TELECOM 212F     18   SPARE     3/4   12   20   3.0   0.4   B   0.9   8.7   20   12   3/4   NEMA L6-20, TELECOM 212F     21   RECEPTS TELECOM 212F   3/4   12   20   3.0   0.4   C   0.9   8.7   20   12   3/4   NEMA L6-20, TELECOM 212F     22   RECEPTS TELECOM 212F   3/4   12   20   3.0   0.4   A   20   SPARE     23   SPARE     20     A   1.5   14.4   30   10   3/4   NEMA L6-30, TELECOM 212F     29   SPARE     20     A   1.5   14.4   30   10   3/4   NEMA L6-30, TELECOM 212F     31   SPARE     20     B   1.5   14.4   30   10   3/4   NEMA L6-30, TELECOM 212F     33   SPARE     20     B   1.5   14.4   30   10   3/4   NEMA L6-30, TELECOM 212F     35   SPARE     20     B   1.5   14.4   30   10   3/4   SPD     39   SPARE     20     B   C   C   C   S8.0     39   SPARE     20     B   C   C   C   S8.0     30   SPARE     20     B   C   C   C   S8.0     30   SPARE     20     C   C   C   S8.0     31   SPARE     20   C   C   C   S8.0     32   SPARE     20   C   C   C   S8.0     34   SPARE     20   C   C   C   S8.0     35   SPARE     20   C   C   C   S8.0     36   SPARE     20   C   C   C   S8.0     37   SPARE     20   C   C   C   S8.0     38   SPARE     20   C   C   S8.0     39   SPARE     20   C   C   S8.0     30   SPARE     20   C   C   S8.0     30   SPARE     20   C   C   S8.0     31   SPARE     20   C   C   S8.0     32   SPARE     20   C   C   S8.0     33   SPARE     20   C   C   S8.0     34   SPARE     20   C   C   S8.0     35   SPARE     20   C   C   C   S8.0     36   SPARE     20   C   C   C   C   C   S8.0     37   SPARE     20   C   C   C   C   C   C   C   C   C		SPARE			20			1			20	12	3/4	NEMA L6-20, TELECOM 212F	8 10
15								С						·	12
17   SPARE     30     C   0.9   8.7   20   12   3/4   NEMA L6-20, TELECOM 212F   3/4   12   20   3.0   0.4   B   0.9   8.7   20   12   3/4   NEMA L6-20, TELECOM 212F   3/4   12   20   3.0   0.4   C   0.9   8.7   20   12   3/4   NEMA L6-20, TELECOM 212F   3/4   12   20   3.0   0.4   C   0.9   8.7   20   12   3/4   NEMA L6-20, TELECOM 212F   3/4   12   20   3.0   0.4   C   0.9   8.7   20   12   3/4   NEMA L6-20, TELECOM 212F   20   3.0   0.4   C   0.9   8.7   20   SPARE   20   SPAR		SPARE			30						20	12	3/4	NEMA L6-20, TELECOM 212F	14 16
21 RECEPTS TELECOM 212F       3/4 12 20 3.0 0.4 B 0.9 8.7 20 12 3/4 NEMA L6-20, TELECOM 212F         23 RECEPTS TELECOM 212F       3/4 12 20 3.0 0.4 C 0.9 8.7 20 SPARE         25 RECEPTS TELECOM 212F       3/4 12 15 0.7 0.1 B 20 SPARE         27 SF-2 (MECH 212)       3/4 12 15 0.7 0.1 B 20 SPARE         29 SPARE       20 A 1.5 14.4 30 10 3/4 NEMA L6-30, TELECOM 212F         31 SPARE       20 B 1.5 14.4 30 10 3/4 NEMA L6-30, TELECOM 212F         33 SPARE       20 B 1.5 14.4 30 10 3/4 NEMA L6-30, TELECOM 212F         35 SPARE       20 B 1.5 14.4 30 10 3/4 NEMA L6-30, TELECOM 212F         37 SPARE       20 B 1.5 14.4 30 10 3/4 NEMA L6-30, TELECOM 212F         39 SPARE       20 B 1.5 14.4 30 10 3/4 NEMA L6-30, TELECOM 212F         39 SPARE       20 B 1.5 14.4 30 10 3/4 NEMA L6-30, TELECOM 212F         39 SPARE       20 B 1.5 14.4 30 10 3/4 NEMA L6-30, TELECOM 212F         30 SPARE       20 B 1.5 14.4 30 10 3/4 NEMA L6-30, TELECOM 212F         37 SPARE 30 S	17	SPARE			30					8.7	20	12	3/4	NEMA L6-20, TELECOM 212F	18
25   RECEPTS TELECOM 212F   3/4   12   20   3.0   0.4   A   20   SPARE	21							В	0.9	8.7	20	12	3/4	NEMA L6-20, TELECOM 212F	22
27 SF-2 (MECH 212)       3/4       12       15       0.7       0.1       B       20       SPARE         29 SPARE       20       A       1.5       14.4       30       10       3/4       NEMA L6-30, TELECOM 212F         31 SPARE       20       B       1.5       14.4       30       10       3/4       NEMA L6-30, TELECOM 212F         35 SPARE       20       B       1.5       14.4       30       10       3/4       NEMA L6-30, TELECOM 212F         37 SPARE       20       A       A       30       10       3/4       SPD         39 SPARE       20       B       B       B       30       10       3/4       SPD         41 SPARE       20       B       C       C       SSPARE       SSP	23	RECEPTS TELECOM 212F							0.9	8.7				00105	24
29   SPARE       20   C   1.5   14.4   30   10   3/4   NEMA L6-30, TELECOM 212F         31   SPARE   20   B   1.5   14.4   30   10   3/4   NEMA L6-30, TELECOM 212F         35   SPARE   20   C   1.5   14.4   30   3/4   NEMA L6-30, TELECOM 212F         37   SPARE   20   A   39   SPARE   20   B   41   SPARE   20   C   C   C   C   C   C   C   C   C	25	RECEPTS TELECOM 212F													26
31 SPARE       20       A       1.5       14.4       January       January<	2/	SF-2 (MECH 212)	3/4	12		0.7	0.1		1 5	1 4 4		10	7/4		28
33         SPARE         20         B         1.5         14.4         30         10         3/4         NEMA L6-30, TELECOM 212F           35         SPARE         20         A         30         10         3/4         SPD           37         SPARE         20         B         30         10         3/4         SPD           39         SPARE         20         B         C         SPARE         SPARE         C         SPARE         SP	31	SPARE									30	10	3/4	NEMA L6-30, TELECOM 212F	30
35 SPARE       20       C 1.5 14.4       7         37 SPARE       20       A       30 10 3/4 SPD         39 SPARE       20       B         41 SPARE       20       C         TOTAL AMPS (CONN. LOAD)       A: 54.9       B: 55.6       C: 58.0         TOTAL AMPS (FEEDTHRU)       A: B: C:	33	SPARE									30	10	3/4	NEMA L6-30, TELECOM 212F	34
37 SPARE       20       A       30       10       3/4 SPD         39 SPARE       20       B       C       B       C       B       C       B       C	35	SPARE			20			С					"	,	36
41 SPARE         20         C           TOTAL AMPS (CONN. LOAD)         A: 54.9         B: 55.6         C: 58.0           TOTAL AMPS (FEEDTHRU)         A: B: C:         C: 58.0	37	SPARE						Α			30	10	3/4	SPD	38
TOTAL AMPS (CONN. LOAD) A: 54.9 B: 55.6 C: 58.0 TOTAL AMPS (FEEDTHRU) A: B: C:	39	SPARE						В					_		40
TOTAL AMPS (FEEDTHRU) ´ A: B: C:	41	SPARE			20										42
					A:	54.9			55.6		C:	58.0			
TOTAL AMPC (COMMITION FEED TUDIL) A. EAC D. EEC C. ECC											C:				
		L AMPS (CONN. LOÁD + FEED-THRU)			A:	54.9		B:	55.6		C:	58.0			
PANELBOARD OPTIONS:  PANELBOARD NOTES:  1. ** SEE BUILDING EQUIPMENT CONNECTION SCHEDULE.	PANE	ELBOARD OPTIONS:						PANELE							



SCO ID Number: 17-17027-01A Code: 41626 Item: 307

# CLARKNEXSEN

1523 Elizabeth Avenue, Suite 300 Charlotte, NC 28204 704.377.8800

SEALS

SEALS

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SEAL

ORDER

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O28914

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D2018.10.09 T4:50:02-04:00'

NC Corporate Engineering License #: C-1028

SUBMITTAL

Date: September 28, 2018

Bid Set

REVISIONS

1 10/11/18 BID ADDENDUM #1

SINGLE-LINE DIAGRAM & PANEL SCHEDULES

EP600

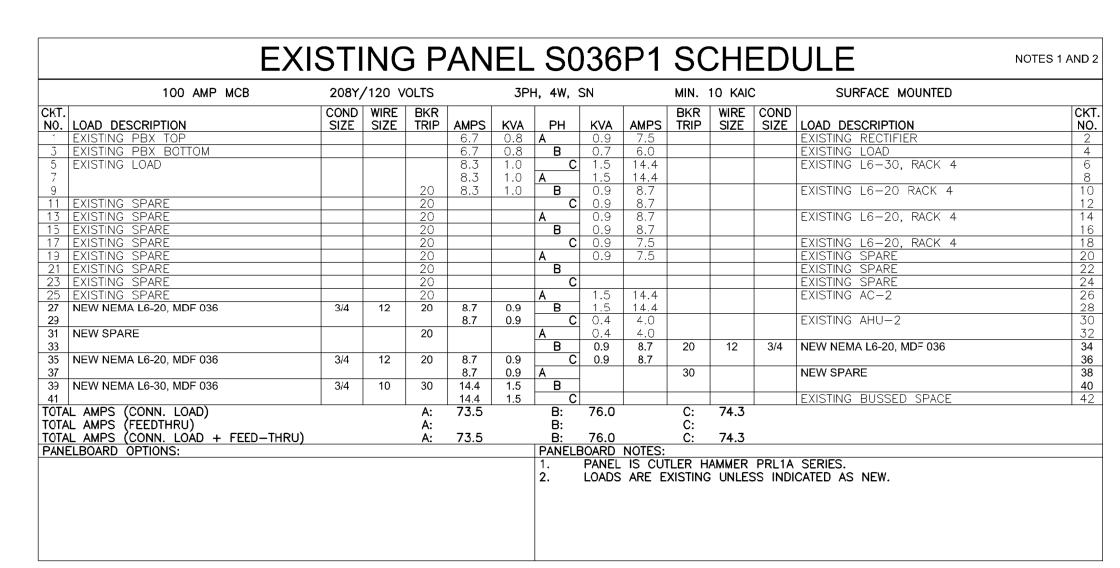
DESIGN: KSB
DRAWN: KSB
REVIEW: JHJ

CN 6958

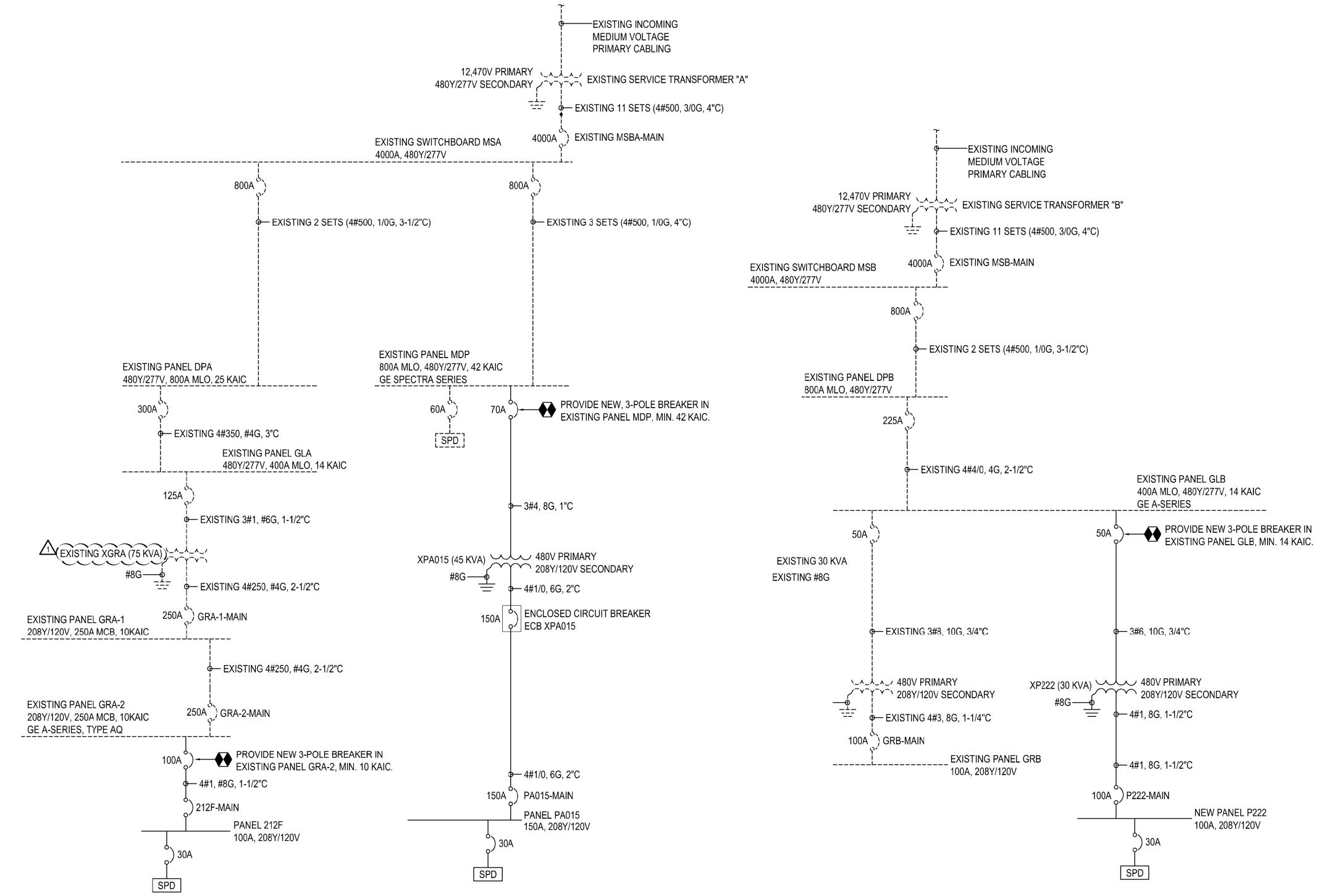
250 AMP MCB	208Y	/120 V	OLTS		3PI	⊣, 4W, S	SN		MIN.	10 KAI	2	SURFACE MOUNTED	
CKT.		WIRE	BKR	AMDC	1/1/4	DII	127.78	AMDC	BKR		COND		CK
NO. LOAD DESCRIPTION	SIZE	SIZE	TRIP	AMPS	KVA	PH	KVA	AMPS		SIZE		LOAD DESCRIPTION	NO 2
1 EXISTING SPARE						A	6.6	54.9	100	1	1-1/2		2
3 EXISTING RECEPTS RM. 221	+					ВС	6.7 7.0	55.6				(NOTE 1)	4
5 EXISTING RECEPTS CORRIDOR	+						7.0	58.0				(NEW LOAD) EXISTING RECEPTS RM. 221	<b>6</b> 8
7 EXISTING RECEPTS RM. 234 9 EXISTING RECEPTS RM. 232	+					A						EXISTING RECEPTS RM. 221  EXISTING STEREO	10
0 2/10/11/0 112021 10 11111 202	+					ВС						EXISTING STERED	
11 EXISTING RECEPTS RM. 236													12 14
13 EXISTING HVAC CONTROLS						A						EXISTING UH1-7	16
15 EXISTING RECEPTS MRCH RM.	+					В						EXISTING F-15 EXISTING RECEPTS MECH RM.	18
17 EXISTING DIGITAL CONTROLS	+					C							18
19 EXISTING SPARE						A						EXISTING SPARE	20
21 EXISTING SPARE						В						EXISTING SPARE	22
23 EXISTING SPARE						C						EXISTING SPARE	24
25 SPACE ONLY						A						SPACE ONLY	26
27 SPACE ONLY	+					ВС						SPACE ONLY	28
29 SPACE ONLY												SPACE ONLY	30 32
31 SPACE ONLY	+					A						SPACE ONLY SPACE ONLY	34
33 SPACE ONLY 35 SPACE ONLY	_					ВС							36
			Α.	F4.0			EE C		<u> </u>	58.0		SPACE ONLY	
TOTAL AMPS (NEW CONNECTED LOAD)			A:	54.9 33.3		B:	55.6 33.3		C:	33.3			
FOTAL AMPS (EXISTING CONNECTED LOAD) FOTAL AMPS (NEW + EXISTING)			A:			B:			C:	91.3			
			A:	88.2		B:	88.9	NOTEC	<u>C:</u>	91.5			
PANELBOARD OPTIONS:						PANELE			TINIO /-		/4 501	E DDEALEDO FOR INICTALLATION OF ALL	=144
						1.			HNG (3	5) 20A/	1-201	LE BREAKERS FOR INSTALLATION OF N	∸W
						2.	BREAK					ICATED AS NEW.	

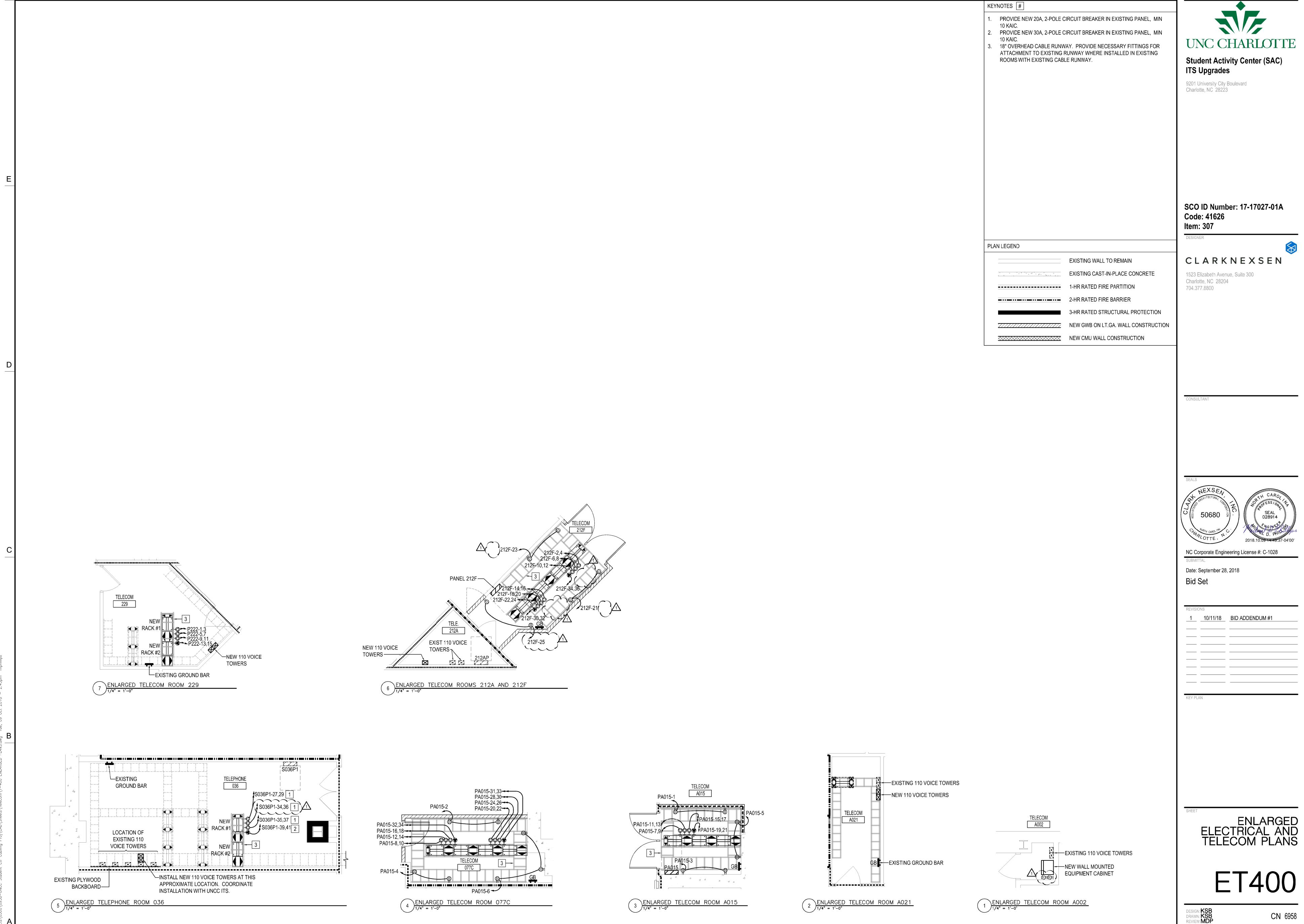
225 AMP MLO	480Y,	/277 V	OLTS		3P	H, 4W,	SN		MIN.	14 KAIC		SURFACE MOUNTED	
CKT. NO. LOAD DESCRIPTION	COND	WIRE SIZE	BKR TRIP	AMPS	KVA	PH	KVA	AMPS	BKR TRIP	WIRE SIZE	COND	LOAD DESCRIPTION	Cł N
1 EXIST LIGHTING MECH	*	*	20	Airi	1000	Α	100//	74911 3	20	*	*	EXISTING EGRESS LIGHTING	<u> </u>
3 EXISTING SPARE			20			Г В			20	*	*	EXISTING OFFICE / CORRIDOR LIGHTING	
5 EXISTING SPARE			20			C			20	*	*	EXISTING SPARE	
7 EXISTING BUSSED SPACE						Α			20	*	*	EXISTING LIGHTING GLOBES	
9 EXISTING BUSSED SPACE						В			20	*	*	EXISTING LIGHTING - MECH QUAD C	1
11 EXISTING BUSSED SPACE						С			20	*	*	EXISTING SPARE	1
13 EXISTING BUSSED SPACE						Α			20	*	*	EXISTING SPARE	1
15 EXISTING BUSSED SPACE						В			20	*	*	EXISTING SPARE	1
17 EXISTING BUSSED SPACE						С			20	*	*	EXISTING SPARE	1
19 EXIST PANEL HLB	*	*	150			Α			50	*	*	EXISTING PANEL GRB	2
21						В							2
23						C							2
25 PANEL P222	3/4	6	50	11.9	3.3	Α						EXISTING BUSSED SPACE	2
27 FED VIA XFMR XP222 (30 KVA)				11.9	3.3	В						EXISTING BUSSED SPACE	2
29 (NEW LOAD)				6.5	1.8	С	1					EXISTING BUSSED SPACE	3
OTAL AMPS (NEW CONNECTED LOAD)			A:	11.9		B:	11.9		C:	6.5			
OTAL AMPS (EXISTING CONNECTED LOAD)			A:	41.2		B:	41.2		C:	41.2			
OTAL AMPS (NEW + EXISTING)			A:	53.1		B:	53.1		C:	47.7			
PANELBOARD OPTIONS:						PANEL	BOARD						
						1.		CATES I					
						2.	LOADS	ARE E	XISTING	UNLES	SS IND	ICATED AS NEW.	

	800 AMP MLO	480Y,	/277 V	OLTS		3P	H, 4W,	SN		MIN.	42 KAI		SURFACE MOUNTED	
CKT. NO.	LOAD DESCRIPTION	COND	WIRE SIZE	BKR TRIP	AMPS	KVA	PH	KVA	AMPS	BKR TRIP	WIRE SIZE	COND	LOAD DESCRIPTION	1
1	EXISTING FP BOXES	*	*	20	9.4	2.6		NVA	AIVIFS	HXIF	SIZE	SIZE	EXISTING BUSSED SPACE	- 1
3	EXISTING SPARE	*	*	20	7.1	2.0	В						EXISTING BUSSED SPACE	
	EXISTING SPARE	*	*	20			T C						EXISTING BUSSED SPACE	
7	EXISTING SPARE	*	*	20			A						EXISTING BUSSED SPACE	
9	EXISTING SPARE	*	*	20			В						EXISTING BUSSED SPACE	
11	EXISTING SPARE	*	*	20			C						EXISTING BUSSED SPACE	
13	EXISTING BUSSED SPACE						Α						EXISTING BUSSED SPACE	
	EXISTING BUSSED SPACE						В						EXISTING BUSSED SPACE	
17	EXISTING BUSSED SPACE						С						EXISTING BUSSED SPACE	1
19	EXISTING BUSSED SPACE						Α						EXISTING BUSSED SPACE	
21	EXISTING BUSSED SPACE						В						EXISTING BUSSED SPACE	2
	EXISTING BUSSED SPACE						С						EXISTING BUSSED SPACE	1
	EXISTING SPD	*	*	60			Α	8.5	30.7	70	4	1	PANEL PA015	- 1
27							В	8.5	30.7				FED VIA XFMR XPA015 (45 KVA)	:
29							C		18.8				(NEW LOAD)	;
	EXISTING PANEL LP1	*	*	225	152.7	42.3		2.9	10.5	70	*	*	EXISTING PANEL MP2	
33					152.7	42.3	В	2.9	10.5					-
35					152.7	42.3	С		10.5					
	EXISTING PANEL LP2	*	*	150	103.6	28.7		69.0	249.1	350	*	*	EXISTING MCC	
39					103.6	28.7	В	69.0	249.1					4
41				<u> </u>	103.6	28.7	C		249.1		L			4
	_ AMPS (CONN. LOAD)			A:	556.0		B:	546.6		C:	534.7			
	_ AMPS (FEEDTHRU)			A:			B:			C:				
	_ AMPS (CONN. LOÁD + FEED-THRU)			A:	556.0		B:	546.6		C:	534.7			
PANE	LBOARD OPTIONS:						PANEL	BOARD		-VIOTILI	^			
							1. 2.		CATES E				CATED AS NEW.	



PARTIAL SINGLE-LINE DIAGRAMS





UNC CHARLOTTE

CN 6958