ADDENDUM NO. 4

PROJECT NAME:	**Holiday Inn Express - York**
GENERAL CONTRACTOR:	NGC Group Inc.
ADDRESS:	3830 South 6th Street Lincoln, NE 68502
DATE OF ISSUANCE:	May 10, 2013
DATE OF BID OPENING:	**Tuesday, May 14, 2013**

The bid documents dated March 26, 2013 for the above referenced project are amended by this addendum.

NOTICE: This Addendum is issued to all interested prospective bidders an as amendment to the project manual or other parts of the bidding (contract) documents for the above named project. Reference to this Addendum must be included in the Bid proposal. The information contained herein shall be fully incorporated into the contract documents as though originally included therein.

SPECIFICATIONS:

ITEM 1: ACOUSTICAL CEILING SPECIFICATIONS:

1. This addendum contains the specifications for Acoustical Ceilings:

CLARIFICATIONS TO THE DRAWINGS:

ITEM 1: ARCHITECTURAL CLARIFICATIONS:

1. All wood trim is limited to public areas – Lobby, Breakfast Room, etc. and not used on all doors.

2. Note 12 on Sheet A4.1 calls for all interior decorations and trim to be of flame resistant materials in accordance with Section 805.2 and NFPA 701 or be of non-combustible materials. The wood trim does not have to be fire retardant, just the finishes.

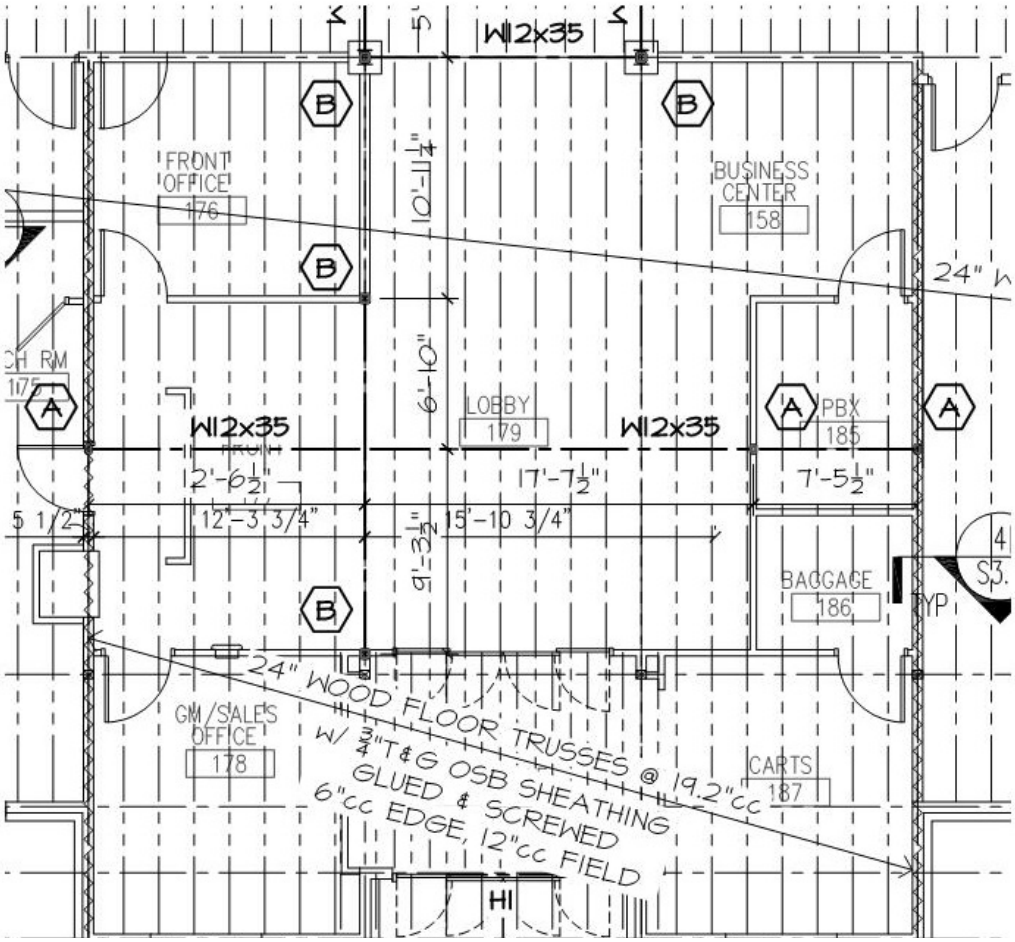
3. All the roof decks for the EPDM roof structure will be flat.

4. There is no Sheet A3.2.

ITEM 2: STRUCTURAL CLARIFICATIONS:

1. Structural sheets are showing 2x10 joists in Corridor on the plan, but Detail 2 on Sheet S3.2 is calling out 2x8. Joists shall be 2x10.

2. Beam callout between columns “B” on Sheet S2.2 and picture below is missing. The beam size is a W18X40. W12x35 beam on Sheet S2.2 and picture below spans from the spandrel W18 beam over column “A” onto the next column “A”.



3. Detail 3 on Sheet S3.1 shows an option for a 7” Titan HD. This option is applicable on the entire exterior.

4. The Wall Footing Schedule on Sheet S2.1 has footing marked “CC” called out for a depth of 1’-4”. Detail 10 on Sheet S3.1 calls for a depth of 4”. Footing Schedule should be changed to read, “ 8” x 16” Thickened Slab w/ (2) #5 Cont w/ #4 Ties @ 48” cc.”

5. Cut called out as detail 13/S3.2 should be changed to detail 11/S3.2, similar.

6. Detail 10/S3.2 occurs at the elevator support beam at the top.

7. See pool detail on Sheet A3.4 for pool reinforcing.

8. Concrete floor slab shall be 4” with 66-1414 W.W.F. on 4” granular leveling bed.

ITEM 3: ELECTRICAL CLARIFICATIONS:

1. This addendum contains Sheets E6.3, E6.4, and E6.5 with 2nd, 3rd, and 4th floor panel schedules.

END OF ADDENDUM NO. 4

SECTION 09510 - ACOUSTICAL CEILINGS

PART 1 – GENERAL

1.01. GENERAL

(A) The general provisions of the Contract, including General and Supplementary Conditions and General Requirements apply to the work specified in this section.

(B) The extent of each type of acoustical ceiling is shown on the drawings and in schedules.

(C) The types of acoustical ceilings specified in this section include the following:

1) Acoustical panel ceilings, exposed suspension.

(D) Includes acoustical panel ceiling breaks where indicated.

1.02. QUALITY ASSURANCE

(A) Subcontract the installation of acoustical ceilings to an experienced installation firm, which is acceptable to the manufacturer of the acoustical units, as shown by current written statement from the manufacturer.

(B) Standards for Terminology and Performance: Applicable publications by the Acoustical and Insulating Materials Association (AIMA), including "Performance Data, Architectural Acoustical Materials".

(C) FM Compliance: Class I.

(D) Fire Hazard Classification: UL tested, listed and labeled as "Class 0-25".

1.03. SUBMITTALS

(A) Manufacturer's Data, Acoustical Ceilings:

1) For information only, submit 2 copies of manufacturer's product specifications and installation instructions for each acoustical ceiling material required, and for each suspension system, including certified laboratory test reports and other data as required to show compliance with these specifications. Distribute one additional copy of each installation instruction to the Installer.

a) Include manufacturer's recommendations for cleaning and refinishing acoustical units, including precautions against materials and methods, which may be detrimental to finishes and acoustical performances.

(B) Samples, Acoustical Ceilings:

1) Submit 1 set of 12" square samples for each acoustical unit required. In each set of samples show the full range of exposed color and texture to be expected in the completed work. Sample submittal and architects' review will be fore color and texture only. Compliance with other requirements is the exclusive responsibility of the Contractor.

2) Submit 1 1/2" long sample of each exposed runner and molding. Architect's review will be for color and texture only. Compliance with other requirements is the exclusive responsibility of the Contractor.

1.04. JOB CONDITIONS

(A) Space Enclosure: Do not install interior acoustical ceilings until space has been enclosed and is weather-tight, and until wet-work in the space has been completed and is nominally dry, and until work above ceilings has been completed, and until ambient conditions of temperature and humidity will be continuously maintained at values near those indicated for final occupancy.

PART 2 – PRODUCTS

2.01. MATERIALS

(A) Acoustical Panels:

1) General: Except as otherwise indicated, provide manufacturer's standard lay-in panels of the type recommended by the manufacturer for the application indicated. Provide sizes shown on drawings, 24" x 24" with square edge.
2) Mineral Fiber Acoustical Panels: Provide units not less than 5/8" thick and of density not less than 10 lbs. per cu. ft., medium-course non-directional texture, NRC 0.50 to 0.60, STC 35-39, light reflectance over 75%. Color to be white.
3) Provide one of the following products:

a) Acoustical Ceiling Type Standard (24" x 24" x 5/8" square edge) USG Interiors, Inc.; Acoustone Frost design or equal.
b) Acoustical tile for pantry area:

1. Scrubbable panels – Vinylrock X-CRF, white stipple pattern 24" x 24", Armstrong Industries.

(B) Suspension Systems:

1) Provide intermediate duty suspension system, hung directly from structure above with galvanized steel hanger wires (ASTM A 641) not less than 12 gage.
2) Carrying channels shall be 1-1/2" steel channels, hot-rolled or cold-rolled, not less than 0.475 lbs. per lin. ft.
3) System Manufacturer: Same as acoustical unit manufacturer or one of the following:

a) Chicago Metallic Corp.
b) Donn Products, Inc.
c) Armstrong Industries, Inc.
d) Howmet Corp.
e) Lok Products Co.

4) Edge Moldings: Manufacturer's standard channel molding for edges and penetrations of ceiling, with a single flange of molding exposed, finished to match grid system.
5) Factory applied finish shall be manufacturer's standard baked enamel finish, color to match ceiling tiles in each area.
6) Provide hold down clips space 2'-0" o.c. on all cross tees where lay in ceiling panels weighting less than 1.0 lbs per sq. ft.

(C) Miscellaneous Materials

1) Acoustical Sealant: A heavy-bodied, non-shrinking, non-drying, non-sag grade mastic compound intended for interior sealing of concealed construction joints.

PART 3 – EXECUTION

3.01. INSPECTION AND PREPARATION WORK

Installer must examine the conditions under which the acoustical ceiling work is to be performed and notify the Contractor in writing of unsatisfactory conditions. Do not proceed with the work until unsatisfactory conditions have been corrected in a manner acceptable to the Installer.

3.02. INSTALLATION

(A) General: Install materials in accordance with manufacturer's printed instructions, and to comply with governing regulations, fire resistance rating requirements as indicated, and industry standards applicable to the work.

(B) Install suspension system to comply with ASTM C 636, with hangers supported only from building structural members as indicated. Locate hangers near each end and spaced 4'-0" along each carrying channel or direct-hung runners, unless otherwise indicated.

1) Secure wire hangers by looping and wire-typing, either directly to structures or to inserts, eye-screws or other devices which are secure and appropriate for the substrate, and which will not deteriorate or fail with age or elevated temperatures.

(C) Install edge moldings of the type indicated at edges of each acoustical ceiling area, and at locations where edge of units would otherwise be exposed after completion of the work.

1) Sealant Bed: Apply continuous ribbon of acoustical sealant, concealed on back of vertical leg before fastening to vertical surface.
2) Secure moldings to building construction by fastening with screw-anchors into the substrate, through holes drilled in vertical leg. Space holes not more than 3" from each end and not more than 16" o.c. along each molding.
3) Level moldings with ceilings suspension system, to a level tolerance of 1/8" in 12'-0".
4) Miter corners of moldings accurately to provide hair-line joints, securely connected to prevent dislocation.

(D) Cope exposed flanges of intersecting suspension system members, so that flange faces will be flush (cope flange of member supported by other member).

(E) Install acoustical panels in coordination with suspension system, with edges concealed by support of suspension members.

1) Install hold-down clips in areas indicated, and in areas where required by governing regulations or for fire-resistance ratings; space as recommended by panel manufacturer, unless otherwise indicated or required.
2) Scribe and cut panels to fit accurately at penetrations.

3.03.. CLEANING AND PROTECTION

(A) Clean exposed surfaces of acoustical ceilings, including trim, edge moldings and suspension members; comply with manufacturer's instructions for cleaning and touch-up of minor finish damage. Remove and replace work, which cannot be successfully cleaned and repaired to permanently eliminate evidence of damage.

(B) The Installer shall advise the Contractor of required protection for the acoustical ceilings, including temperature and humidity limitations and dust control, so that the work will be without damage and deterioration at the time of acceptance by the Owner.

END OF SECTION 09510.

3/26/13 8:27 AM (NEW)

PANELBOARD 2A SCHEDULE

VOLTAGE:	120/208V,3Ph,4W	LOCATION:	STORAGE RM 256
BUS RATING:	200	ENCLOSURE:	NEMA 1
MAINS:	200A MLO	MOUNTING:	SURFACE
TYPE:	BOLT ON	MIN. AIC:	22000

LOAD - VA

CIRCUIT DESCRIPTION	BKR	CKT NUM	PHASE A	PHASE B	PHASE C	CKT NUM	BKR	CIRCUIT DESCRIPTION
LIGHTING - 253,256	20	1	192				20	
	1		1500			2	1	BATHROOM CIRCUIT - 204
** LIGHTING - CORRIDOR	20	3		936			20	
	1			1260		4	1	BEDROOM CIRCUIT - 204
** LIGHTING - CORRIDOR	20	5			364		20	
	1				1800	6	1	APPLIANCE CIRCUIT - 204
PTAC - WEST CORRIDOR	15	7	750				20	
			1500			8	1	BATHROOM CIRCUIT - 206
		9		750			20	
	2			1260		10	1	BEDROOM CIRCUIT - 206
PTAC - EAST CORRIDOR	15	11			750		20	
					1800	12	1	APPLIANCE CIRCUIT - 206
		13	750				20	
	2		1500			14	1	BATHROOM CIRCUIT - 208
RECEPTS - WEST CORRIDOR	20	15		720			20	
	1			1260		16	1	BEDROOM CIRCUIT - 208
WAP RECEPTS	20	17			720		20	
	1				1800	18	1	APPLIANCE CIRCUIT - 208
RECEPTS - EAST CORRIDOR	20	19	540				20	
	1		1500			20	1	BATHROOM CIRCUIT - 210
RECEPTS - 254,255,256	20	21		720			20	
	1			1260		22	1	BEDROOM CIRCUIT - 210
VENDING MACHINE - 254	20	23			1500		20	
	1				1800	24	1	APPLIANCE CIRCUIT - 210
ICE MACHINE - 254	20	25	1800				20	
			1500			26	1	BATHROOM CIRCUIT - 216
		27		1800			20	
	2			1260		28	1	BEDROOM CIRCUIT - 216
BATHROOM CIRCUIT - 202	20	29			1500		20	
	1				1800	30	1	APPLIANCE CIRCUIT - 216
BEDROOM CIRCUIT - 202	20	31	1260				20	
	1		1500			32	1	BATHROOM CIRCUIT - 218
APPLIANCE CIRCUIT - 202	20	33		1800			20	
	1			1260		34	1	BEDROOM CIRCUIT - 218
SPARE	20	35			1800		20	
	1					36	1	APPLIANCE CIRCUIT - 218
SPARE	20	37					20	
	1		1500			38	1	BATHROOM CIRCUIT - 220
SPARE	20	39					20	
	1			1260		40	1	BEDROOM CIRCUIT - 220
SPARE	20	41					20	
	1				1800	42	1	APPLIANCE CIRCUIT - 220
FEED THROUGH LOAD								
CONNECTED LOAD			15792	15546	17434	NOTES/OPTIONS		
DESIGN LOAD			14785	11184	12411	** PROVIDE SWITCH RATED C/B & LOCK-ON		
LINE AMPS			123.1	93.1	103.3	DEVICE.		
DESIGN LOAD KVA			38.38					

3/26/13 8:27 AM (NEW)

PANELBOARD 2B SCHEDULE

VOLTAGE:	120/208V,3Ph,4W	LOCATION:	STORAGE RM 256
BUS RATING:	200	ENCLOSURE:	NEMA 1
MAINS:	200A MLO	MOUNTING:	SURFACE
TYPE:	BOLT ON	MIN. AIC:	22000

LOAD - VA

CIRCUIT DESCRIPTION	BKR	CKT NUM	PHASE A	PHASE B	PHASE C	CKT NUM	BKR	CIRCUIT DESCRIPTION
BATHROOM CIRCUIT - 222	20	1	1500				20	
	1		1500			2	1	BATHROOM CIRCUIT - 221
BEDROOM CIRCUIT - 222	20	3		1260			20	
	1			1260		4	1	BEDROOM CIRCUIT - 221
APPLIANCE CIRCUIT - 222	20	5			1800		20	
	1				1800	6	1	APPLIANCE CIRCUIT - 221
BATHROOM CIRCUIT - 224	20	7	1500				20	
	1		1500			8	1	BATHROOM CIRCUIT - 219
BEDROOM CIRCUIT - 224	20	9		1260			20	
	1			1260		10	1	BEDROOM CIRCUIT - 219
APPLIANCE CIRCUIT - 224	20	11			1800		20	
	1				1800	12	1	APPLIANCE CIRCUIT - 219
BATHROOM CIRCUIT - 226	20	13	1500				20	
	1		1500			14	1	BATHROOM CIRCUIT - 217
BEDROOM CIRCUIT - 226	20	15		1260			20	
	1			1260		16	1	BEDROOM CIRCUIT - 217
APPLIANCE CIRCUIT - 226	20	17			1800		20	
	1				1800	18	1	APPLIANCE CIRCUIT - 217
BATHROOM CIRCUIT - 229	20	19	1500				20	
	1		1260			20	1	LIVING RM CIRCUIT - 217
BEDROOM CIRCUIT - 229	20	21		1260			20	
	1					22	1	SPARE
APPLIANCE CIRCUIT - 229	20	23			1800		20	
	1					24	1	SPARE
BATHROOM CIRCUIT - 227	20	25	1500				20	
	1					26	1	SPARE
BEDROOM CIRCUIT - 227	20	27		1260			20	
	1					28	1	SPARE
APPLIANCE CIRCUIT - 227	20	29			1800		20	
	1					30	1	SPARE
BATHROOM CIRCUIT - 225	20	31	1500					
	1					32	1	BUSSED SPACE
BEDROOM CIRCUIT - 225	20	33		1260				
	1					34	1	BUSSED SPACE
APPLIANCE CIRCUIT - 225	20	35			1800			
	1					36	1	BUSSED SPACE
BATHROOM CIRCUIT - 223	20	37	1500					
	1					38	1	BUSSED SPACE
BEDROOM CIRCUIT - 223	20	39		1260				
	1					40	1	BUSSED SPACE
APPLIANCE CIRCUIT - 223	20	41			1800			
	1					42	1	BUSSED SPACE
FEED THROUGH LOAD								
CONNECTED LOAD			16260	12600	18000	NOTES/OPTIONS		
DESIGN LOAD			15828	8277	11825			
LINE AMPS			131.8	68.9	98.5			
DESIGN LOAD KVA			35.93					

3/26/13 8:27 AM (NEW)

PANELBOARD 2C SCHEDULE

VOLTAGE:	120/208V,3Ph,4W	LOCATION:	STORAGE RM 256
BUS RATING:	200	ENCLOSURE:	NEMA 1
MAINS:	200A MLO	MOUNTING:	SURFACE
TYPE:	BOLT ON	MIN. AIC:	22000

LOAD - VA

CIRCUIT DESCRIPTION	BKR	CKT NUM	PHASE A	PHASE B	PHASE C	CKT NUM	BKR	CIRCUIT DESCRIPTION
BATHROOM CIRCUIT - 207	20	1	1500				20	
	1		1500			2	1	BATHROOM CIRCUIT - 215
BEDROOM CIRCUIT - 207	20	3		1260			20	
	1			1260		4	1	BEDROOM CIRCUIT - 215
APPLIANCE CIRCUIT - 207	20	5			1800		20	
	1				1800	6	1	APPLIANCE CIRCUIT - 215
LIVING RM CIRCUIT - 207	20	7	1260				20	
	1		1500			8	1	BATHROOM CIRCUIT - 211
BATHROOM CIRCUIT - 205	20	9		1500			20	
	1			1260		10	1	BEDROOM CIRCUIT - 211
BEDROOM CIRCUIT - 205	20	11			1260		20	
	1				1800	12	1	APPLIANCE CIRCUIT - 211
APPLIANCE CIRCUIT - 205	20	13	1800				20	
	1		1260			14	1	LIVING RM CIRCUIT - 211
LIVING RM CIRCUIT - 205	20	15		1260			20	
	1			1500		16	1	BATHROOM CIRCUIT - 209
BATHROOM CIRCUIT - 203	20	17			1500		20	
	1				1260	18	1	BEDROOM CIRCUIT - 209
BEDROOM CIRCUIT - 203	20	19	1260				20	
	1		1800			20	1	APPLIANCE CIRCUIT - 209
APPLIANCE CIRCUIT - 203	20	21		1800			20	
	1			1260		22	1	LIVING RM CIRCUIT - 209
BATHROOM CIRCUIT - 201	20	23			1500			
	1					24	1	BUSSED SPACE
BEDROOM CIRCUIT - 201	20	25	1260					
	1					26	1	BUSSED SPACE
APPLIANCE CIRCUIT - 201	20	27		1800				
	1					28	1	BUSSED SPACE
SPARE	20	29						
	1					30	1	BUSSED SPACE
SPARE	20	31						
	1					32	1	BUSSED SPACE
SPARE	20	33						
	1					34	1	BUSSED SPACE
SPARE	20	35						
	1					36	1	BUSSED SPACE
SPARE	20	37						
	1					38	1	BUSSED SPACE
BUSSED SPACE		39						
	1					40	1	BUSSED SPACE
BUSSED SPACE		41						
	1					42	1	BUSSED SPACE
FEED THROUGH LOAD								
CONNECTED LOAD			13140	12900	10920	NOTES/OPTIONS		
DESIGN LOAD			10453	9821	8457			
LINE AMPS			87.0	81.8	70.4			
DESIGN LOAD KVA			28.73					

3/26/13 8:27 AM (NEW)

PANELBOARD 2H1 SCHEDULE

VOLTAGE:	120/208V,3Ph,4W	LOCATION:	STORAGE RM 256
BUS RATING:	200	ENCLOSURE:	NEMA 1
MAINS:	200A MLO	MOUNTING:	SURFACE
TYPE:	BOLT ON	MIN. AIC:	22000

LOAD - VA

CIRCUIT DESCRIPTION	BKR	CKT NUM	PHASE A	PHASE B	PHASE C	CKT NUM	BKR	CIRCUIT DESCRIPTION
PTAC - 202	15	1	1250				15	
			1250			2		PTAC - 226
		3		1250				
	2			1250		4	2	
PTAC - 204	15	5			1250		15	
					1250	6		PTAC - 229
		7	1250					
	2		1250			8	2	
PTAC - 206	15	9		1250			15	
				1250		10		PTAC - 227
		11			1250			
	2				1250	12	2	
PTAC - 208	15	13	1250				15	
			1250			14		PTAC - 225
		15		1250				
	2			1250		16	2	
PTAC - 210	15	17			1250		15	
					1250	18		PTAC - 223
		19	1250					
	2		1250			20	2	
PTAC - 216	15	21		1250			15	
				1250		22		PTAC - 221
		23			1250			
	2				1250	24	2	
PTAC - 218	15	25	1250				20	
						26	1	SPARE
		27		1250			20	
	2					28	1	SPARE
PTAC - 220	15	29			1250		20	
						30	1	SPARE
		31	1250				20	
	2					32	1	SPARE
PTAC - 222	15	33		1250			20	
						34	1	SPARE
		35			1250			
	2					36	1	BUSSED SPACE
PTAC - 224	15	37	1250					
						38	1	BUSSED SPACE
		39		1250				
	2					40	1	BUSSED SPACE
BUSSED SPACE		41						
	1					42	1	BUSSED SPACE
FEED THROUGH LOAD								
CONNECTED LOAD			13750	13750	12500	NOTES/OPTIONS		
DESIGN LOAD			14063	14063	12500			
LINE AMPS			117.1	117.1	104.1			
DESIGN LOAD KVA			40.63					

3/26/13 8:27 AM (NEW)

PANELBOARD 2H2 SCHEDULE

VOLTAGE:	120/208V,3Ph,4W	LOCATION:	STORAGE RM 256
BUS RATING:	200	ENCLOSURE:	NEMA 1
MAINS:	200A MLO	MOUNTING:	SURFACE
TYPE:	BOLT ON	MIN. AIC:	22000

LOAD - VA

CIRCUIT DESCRIPTION	BKR	CKT NUM	PHASE A	PHASE B	PHASE C	CKT NUM	BKR	CIRCUIT DESCRIPTION
PTAC - 209	15	1	1250				15	
			1250			2		PTAC - 219
		3		1250				
	2			1250		4	2	
PTAC - 207	15	5			1250		15	
					1250	6		PTAC - 217
		7	1250					
	2		1250			8	2	
PTAC - 205	15	9		1250			15	
				1250		10		PTAC - 215
		11			1250			
	2				1250	12	2	
PTAC - 203	15	13	1250				15	
			1250			14		PTAC - 211
		15		1250				
	2			1250		16	2	
PTAC - 201	15	17			1250			
						18	1	BUSSED SPACE
		19	1250					
	2					20	1	BUSSED SPACE
SPARE	20	21						
	1					22	1	BUSSED SPACE
SPARE	20	23						
	1					24	1	BUSSED SPACE
SPARE	20	25						
	1					26	1	BUSSED SPACE
SPARE	20	27						
	1					28	1	BUSSED SPACE
SPARE	20	29						
	1					30	1	BUSSED SPACE
BUSSED SPACE		31						
	1					32	1	BUSSED SPACE
BUSSED SPACE		33						
	1					34	1	BUSSED SPACE
BUSSED SPACE		35						
	1					36	1	BUSSED SPACE
BUSSED SPACE		37						
	1					38	1	BUSSED SPACE
BUSSED SPACE		39						
	1					40	1	BUSSED SPACE
BUSSED SPACE		41						
	1					42	1	BUSSED SPACE
FEED THROUGH LOAD								
CONNECTED LOAD			8750	7500	6250	NOTES/OPTIONS		
DESIGN LOAD			9063	7813	6250			
LINE AMPS			75.5	65.1	52.0			
DESIGN LOAD KVA			23.13					

PROFESSIONAL ELECTRICAL ENGINEER
ROBERT CHRISTIAN ESTES
E-14580
STATE OF NEBRASKA
EXP 12/31/13
03/26/13

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JOB NO. 13001

DATE: MARCH 26, 2013

REVISED:

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Sole Proprietor
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Marion, IL 62959
618-964-9418
bboyt@boytengineering.com

Holiday Inn Express

A NEW HOTEL FOR:
Holiday Inn Express + Suites
HIGHWAY 81 + NAOMI DRIVE YORK, NEBRASKA

PROPERTY CODE: -----

ELECTRICAL PANEL SCHEDULES - SECOND FLR

SHEET
E6.3
OF XX

3/26/13 8:27 AM (NEW)

PANELBOARD 3A SCHEDULE

VOLTAGE:	120/208V,3Ph,4W	LOCATION:	STORAGE RM 356
BUS RATING:	200	ENCLOSURE:	NEMA 1
MAINS:	200A MLO	MOUNTING:	SURFACE
TYPE:	BOLT ON	MIN. AIC:	22000

LOAD - VA

CIRCUIT DESCRIPTION	BKR	CKT NUM	PHASE A	PHASE B	PHASE C	CKT NUM	BKR	CIRCUIT DESCRIPTION
LIGHTING - 353,356	20	1	192			20		
	1		1500			2	1	BATHROOM CIRCUIT - 304
** LIGHTING - CORRIDOR	20	3		936		20		
	1			1260		4	1	BEDROOM CIRCUIT - 304
** LIGHTING - CORRIDOR	20	5			364	20		
	1				1800	6	1	APPLIANCE CIRCUIT - 304
PTAC - WEST CORRIDOR	15	7	750			20		
			1500			8	1	BATHROOM CIRCUIT - 306
		9		750		20		
	2			1260		10	1	BEDROOM CIRCUIT - 306
PTAC - EAST CORRIDOR	15	11			750	20		
					1800	12	1	APPLIANCE CIRCUIT - 306
		13	750			20		
	2		1500			14	1	BATHROOM CIRCUIT - 308
RECEPTS - WEST CORRIDOR	20	15		720		20		
	1			1260		16	1	BEDROOM CIRCUIT - 308
WAP RECEPTS	20	17			720	20		
	1				1800	18	1	APPLIANCE CIRCUIT - 308
RECEPTS - EAST CORRIDOR	20	19	540			20		
	1		1500			20	1	BATHROOM CIRCUIT - 310
RECEPTS - 354,355,356	20	21		720		20		
	1			1260		22	1	BEDROOM CIRCUIT - 310
VENDING MACHINE - 354	20	23			1500	20		
	1				1800	24	1	APPLIANCE CIRCUIT - 310
ICE MACHINE - 354	20	25	1800			20		
			1500			26	1	BATHROOM CIRCUIT - 316
		27		1800		20		
	2			1260		28	1	BEDROOM CIRCUIT - 316
BATHROOM CIRCUIT - 302	20	29			1500	20		
	1				1800	30	1	APPLIANCE CIRCUIT - 316
BEDROOM CIRCUIT - 302	20	31	1260			20		
	1		1500			32	1	BATHROOM CIRCUIT - 318
APPLIANCE CIRCUIT - 302	20	33		1800		20		
	1			1260		34	1	BEDROOM CIRCUIT - 318
SPARE	20	35				20		
	1				1800	36	1	APPLIANCE CIRCUIT - 318
SPARE	20	37				20		
	1		1500			38	1	BATHROOM CIRCUIT - 320
SPARE	20	39				20		
	1			1260		40	1	BEDROOM CIRCUIT - 320
SPARE	20	41				20		
	1				1800	42	1	APPLIANCE CIRCUIT - 320
FEED THROUGH LOAD								
CONNECTED LOAD			15792	15546	17434	NOTES/OPTIONS		
DESIGN LOAD			14785	11184	12411	** PROVIDE SWITCH RATED C/B & LOCK-ON		
LINE AMPS			123.1	93.1	103.3	DEVICE.		
DESIGN LOAD KVA			38.38					

3/26/13 8:27 AM (NEW)

PANELBOARD 3B SCHEDULE

VOLTAGE:	120/208V,3Ph,4W	LOCATION:	STORAGE RM 356
BUS RATING:	200	ENCLOSURE:	NEMA 1
MAINS:	200A MLO	MOUNTING:	SURFACE
TYPE:	BOLT ON	MIN. AIC:	22000

LOAD - VA

CIRCUIT DESCRIPTION	BKR	CKT NUM	PHASE A	PHASE B	PHASE C	CKT NUM	BKR	CIRCUIT DESCRIPTION
BATHROOM CIRCUIT - 322	20	1	1500			20		
	1		1500			2	1	BATHROOM CIRCUIT - 321
BEDROOM CIRCUIT - 322	20	3		1260		20		
	1			1260		4	1	BEDROOM CIRCUIT - 321
APPLIANCE CIRCUIT - 322	20	5			1800	20		
	1				1800	6	1	APPLIANCE CIRCUIT - 321
BATHROOM CIRCUIT - 324	20	7	1500			20		
	1		1500			8	1	BATHROOM CIRCUIT - 319
BEDROOM CIRCUIT - 324	20	9		1260		20		
	1			1260		10	1	BEDROOM CIRCUIT - 319
APPLIANCE CIRCUIT - 324	20	11			1800	20		
	1				1800	12	1	APPLIANCE CIRCUIT - 319
BATHROOM CIRCUIT - 326	20	13	1500			20		
	1		1500			14	1	BATHROOM CIRCUIT - 317
BEDROOM CIRCUIT - 326	20	15		1260		20		
	1			1260		16	1	BEDROOM CIRCUIT - 317
APPLIANCE CIRCUIT - 326	20	17			1800	20		
	1				1800	18	1	APPLIANCE CIRCUIT - 317
BATHROOM CIRCUIT - 329	20	19	1500			20		
	1		1260			20	1	LIVING RM CIRCUIT - 317
BEDROOM CIRCUIT - 329	20	21		1260		20		
	1					22	1	SPARE
APPLIANCE CIRCUIT - 329	20	23			1800	20		
	1					24	1	SPARE
BATHROOM CIRCUIT - 327	20	25	1500			20		
	1					26	1	SPARE
BEDROOM CIRCUIT - 327	20	27		1260		20		
	1					28	1	SPARE
APPLIANCE CIRCUIT - 327	20	29			1800	20		
	1					30	1	SPARE
BATHROOM CIRCUIT - 325	20	31	1500					
	1					32	1	BUSSED SPACE
BEDROOM CIRCUIT - 325	20	33		1260				
	1					34	1	BUSSED SPACE
APPLIANCE CIRCUIT - 325	20	35			1800			
	1					36	1	BUSSED SPACE
BATHROOM CIRCUIT - 323	20	37	1500					
	1					38	1	BUSSED SPACE
BEDROOM CIRCUIT - 323	20	39		1260				
	1					40	1	BUSSED SPACE
APPLIANCE CIRCUIT - 323	20	41			1800			
	1					42	1	BUSSED SPACE
FEED THROUGH LOAD								
CONNECTED LOAD			16260	12600	18000	NOTES/OPTIONS		
DESIGN LOAD			15828	8277	11825			
LINE AMPS			131.8	68.9	98.5			
DESIGN LOAD KVA			35.93					

3/26/13 8:27 AM (NEW)

PANELBOARD 3C SCHEDULE

VOLTAGE:	120/208V,3Ph,4W	LOCATION:	STORAGE RM 356
BUS RATING:	200	ENCLOSURE:	NEMA 1
MAINS:	200A MLO	MOUNTING:	SURFACE
TYPE:	BOLT ON	MIN. AIC:	22000

LOAD - VA

CIRCUIT DESCRIPTION	BKR	CKT NUM	PHASE A	PHASE B	PHASE C	CKT NUM	BKR	CIRCUIT DESCRIPTION
BATHROOM CIRCUIT - 307	20	1	1500			20		
	1		1500			2	1	BATHROOM CIRCUIT - 315
BEDROOM CIRCUIT - 307	20	3		1260		20		
	1			1260		4	1	BEDROOM CIRCUIT - 315
APPLIANCE CIRCUIT - 307	20	5			1800	20		
	1				1800	6	1	APPLIANCE CIRCUIT - 315
LIVING RM CIRCUIT - 307	20	7	1260			20		
	1		1500			8	1	BATHROOM CIRCUIT - 311
BATHROOM CIRCUIT - 305	20	9		1500		20		
	1			1260		10	1	BEDROOM CIRCUIT - 311
BEDROOM CIRCUIT - 305	20	11			1260	20		
	1				1800	12	1	APPLIANCE CIRCUIT - 311
APPLIANCE CIRCUIT - 305	20	13	1800			20		
	1		1260			14	1	LIVING RM CIRCUIT - 311
LIVING RM CIRCUIT - 305	20	15		1260		20		
	1			1500		16	1	BATHROOM CIRCUIT - 309
BATHROOM CIRCUIT - 303	20	17			1500	20		
	1				1260	18	1	BEDROOM CIRCUIT - 309
BEDROOM CIRCUIT - 303	20	19	1260			20		
	1		1800			20	1	APPLIANCE CIRCUIT - 309
APPLIANCE CIRCUIT - 303	20	21		1800		20		
	1			1260		22	1	LIVING RM CIRCUIT - 309
BATHROOM CIRCUIT - 301	20	23			1500			
	1					24	1	BUSSED SPACE
BEDROOM CIRCUIT - 301	20	25	1260					
	1					26	1	BUSSED SPACE
APPLIANCE CIRCUIT - 301	20	27		1800				
	1					28	1	BUSSED SPACE
SPARE	20	29						
	1					30	1	BUSSED SPACE
SPARE	20	31						
	1					32	1	BUSSED SPACE
SPARE	20	33						
	1					34	1	BUSSED SPACE
SPARE	20	35						
	1					36	1	BUSSED SPACE
SPARE	20	37						
	1					38	1	BUSSED SPACE
BUSSED SPACE		39						
	1					40	1	BUSSED SPACE
BUSSED SPACE		41						
	1					42	1	BUSSED SPACE
FEED THROUGH LOAD								
CONNECTED LOAD			13140	12900	10920	NOTES/OPTIONS		
DESIGN LOAD			10453	9821	8457			
LINE AMPS			87.0	81.8	70.4			
DESIGN LOAD KVA			28.73					

3/26/13 8:27 AM (NEW)

PANELBOARD 3H1 SCHEDULE

VOLTAGE:	120/208V,3Ph,4W	LOCATION:	STORAGE RM 356
BUS RATING:	200	ENCLOSURE:	NEMA 1
MAINS:	200A MLO	MOUNTING:	SURFACE
TYPE:	BOLT ON	MIN. AIC:	22000

LOAD - VA

CIRCUIT DESCRIPTION	BKR	CKT NUM	PHASE A	PHASE B	PHASE C	CKT NUM	BKR	CIRCUIT DESCRIPTION
PTAC - 302	15	1	1250				15	
			1250			2		PTAC - 326
		3		1250				
	2			1250		4	2	
PTAC - 304	15	5			1250		15	
					1250	6		PTAC - 329
		7	1250					
	2		1250			8	2	
PTAC - 306	15	9		1250			15	
				1250		10		PTAC - 327
		11			1250			
	2				1250	12	2	
PTAC - 308	15	13	1250				15	
			1250			14		PTAC - 325
		15		1250				
	2			1250		16	2	
PTAC - 310	15	17			1250		15	
					1250	18		PTAC - 323
		19	1250					
	2		1250			20	2	
PTAC - 316	15	21		1250			15	
				1250		22		PTAC - 321
		23			1250			
	2				1250	24	2	
PTAC - 318	15	25	1250			20		
						26	1	SPARE
		27		1250		20		
	2					28	1	SPARE
PTAC - 320	15	29			1250	20		
						30	1	SPARE
		31	1250			20		
	2					32	1	SPARE
PTAC - 322	15	33		1250		20		
						34	1	SPARE
		35			1250			
	2					36	1	BUSSED SPACE
PTAC - 324	15	37	1250					
						38	1	BUSSED SPACE
		39		1250				
	2					40	1	BUSSED SPACE
BUSSED SPACE		41						
	1					42	1	BUSSED SPACE
FEED THROUGH LOAD								
CONNECTED LOAD			13750	13750	12500	NOTES/OPTIONS		
DESIGN LOAD			14063	14063	12500			
LINE AMPS			117.1	117.1	104.1			
DESIGN LOAD KVA			40.63					

3/26/13 8:27 AM (NEW)

PANELBOARD 3H2 SCHEDULE

VOLTAGE:	120/208V,3Ph,4W	LOCATION:	STORAGE 356
BUS RATING:	200	ENCLOSURE:	NEMA 1
MAINS:	200A MLO	MOUNTING:	SURFACE
TYPE:	BOLT ON	MIN. AIC:	22000

LOAD - VA

CIRCUIT DESCRIPTION	BKR	CKT NUM	PHASE A	PHASE B	PHASE C	CKT NUM	BKR	CIRCUIT DESCRIPTION
PTAC - 309	15	1	1250				15	
			1250			2		PTAC - 319
		3		1250				
	2			1250		4	2	
PTAC - 307	15	5			1250		15	
					1250	6		PTAC - 317
		7	1250					
	2		1250			8	2	
PTAC - 305	15	9		1250			15	
				1250		10		PTAC - 315
		11			1250			
	2				1250	12	2	
PTAC - 303	15	13	1250				15	
			1250			14		PTAC - 311
		15		1250				
	2			1250		16	2	
PTAC - 301	15	17			1250			
						18	1	BUSSED SPACE
		19	1250					
	2					20	1	BUSSED SPACE
SPARE	20	21				22	1	BUSSED SPACE
	1							
SPARE	20	23				24	1	BUSSED SPACE
	1							
SPARE	20	25				26	1	BUSSED SPACE
	1							
SPARE	20	27				28	1	BUSSED SPACE
	1							
SPARE	20	29				30	1	BUSSED SPACE
	1							
BUSSED SPACE		31				32	1	BUSSED SPACE
	1							
BUSSED SPACE		33				34	1	BUSSED SPACE
	1							
BUSSED SPACE		35				36	1	BUSSED SPACE
	1							
BUSSED SPACE		37				38	1	BUSSED SPACE
	1							
BUSSED SPACE		39				40	1	BUSSED SPACE
	1							
BUSSED SPACE		41				42	1	BUSSED SPACE
	1							
FEED THROUGH LOAD								
CONNECTED LOAD			8750	7500	6250	NOTES/OPTIONS		
DESIGN LOAD			9063	7813	6250			
LINE AMPS			75.5	65.1	52.0			
DESIGN LOAD KVA			23.13					

ELECTRICAL PANEL SCHEDULES - THIRD FLOOR

ROBERT CHRISTIAN ESTES E-14580 PROFESSIONAL ELECTRICAL ENGINEER STATE OF NEBRASKA
EXP 12/31/13

Environs
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6201 W. Main Suite 150
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618-964-9418
bboyt@boytengineering.com

JOB NO.
13001

DATE:
MARCH 26, 2013

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YORK, NEBRASKA

ELECTRICAL PANEL SCHEDULES - THIRD FLR

SHEET
E6.4
OF XX

3/26/13 8:25 AM (NEW)

PANELBOARD 4A SCHEDULE

VOLTAGE:	120/208V,3Ph,4W	LOCATION:	STORAGE RM 456
BUS RATING:	200	ENCLOSURE:	NEMA 1
MAINS:	200A MLO	MOUNTING:	SURFACE
TYPE:	BOLT ON	MIN. AIC:	22000

LOAD - VA

CIRCUIT DESCRIPTION	BKR	CKT NUM	PHASE A	PHASE B	PHASE C	CKT NUM	BKR	CIRCUIT DESCRIPTION
LIGHTING - 453,456	20	1	192				20	
	1		1500			2	1	BATHROOM CIRCUIT - 404
** LIGHTING - CORRIDOR	20	3		936			20	
	1			1260		4	1	BEDROOM CIRCUIT - 404
** LIGHTING - CORRIDOR	20	5			364		20	
	1				1800	6	1	APPLIANCE CIRCUIT - 404
PTAC - WEST CORRIDOR	15	7	750				20	
			1500			8	1	BATHROOM CIRCUIT - 406
		9		750			20	
	2			1260		10	1	BEDROOM CIRCUIT - 406
PTAC - EAST CORRIDOR	15	11			750		20	
					1800	12	1	APPLIANCE CIRCUIT - 406
		13	750				20	
	2		1500			14	1	BATHROOM CIRCUIT - 408
RECEPTS - WEST CORRIDOR	20	15		720			20	
	1			1260		16	1	BEDROOM CIRCUIT - 408
WAP RECEPTS	20	17			720		20	
	1				1800	18	1	APPLIANCE CIRCUIT - 408
RECEPTS - EAST CORRIDOR	20	19	540				20	
	1		1500			20	1	BATHROOM CIRCUIT - 410
RECEPTS - 454,455,456	20	21		720			20	
	1			1260		22	1	BEDROOM CIRCUIT - 410
VENDING MACHINE - 454	20	23			1500		20	
	1				1800	24	1	APPLIANCE CIRCUIT - 410
ICE MACHINE - 454	20	25	1800				20	
			1500			26	1	BATHROOM CIRCUIT - 416
		27		1800			20	
	2			1260		28	1	BEDROOM CIRCUIT - 416
BATHROOM CIRCUIT - 402	20	29			1500		20	
	1				1800	30	1	APPLIANCE CIRCUIT - 416
BEDROOM CIRCUIT - 402	20	31	1260				20	
	1		1500			32	1	BATHROOM CIRCUIT - 418
APPLIANCE CIRCUIT - 402	20	33		1800			20	
	1			1260		34	1	BEDROOM CIRCUIT - 418
SPARE	20	35					20	
	1				1800	36	1	APPLIANCE CIRCUIT - 418
SPARE	20	37					20	
	1		1500			38	1	BATHROOM CIRCUIT - 420
SPARE	20	39					20	
	1			1260		40	1	BEDROOM CIRCUIT - 420
SPARE	20	41					20	
	1				1800	42	1	APPLIANCE CIRCUIT - 420
FEED THROUGH LOAD								
CONNECTED LOAD			15792	15546	17434	NOTES/OPTIONS		
DESIGN LOAD			14785	11184	12411	** PROVIDE SWITCH RATED C/B & LOCK-ON		
LINE AMPS			123.1	93.1	103.3	DEVICE.		
DESIGN LOAD KVA			38.38					

3/26/13 8:25 AM (NEW)

PANELBOARD 4B SCHEDULE

VOLTAGE:	120/208V,3Ph,4W	LOCATION:	STORAGE RM 456
BUS RATING:	200	ENCLOSURE:	NEMA 1
MAINS:	200A MLO	MOUNTING:	SURFACE
TYPE:	BOLT ON	MIN. AIC:	22000

LOAD - VA

CIRCUIT DESCRIPTION	BKR	CKT NUM	PHASE A	PHASE B	PHASE C	CKT NUM	BKR	CIRCUIT DESCRIPTION
BATHROOM CIRCUIT - 422	20	1	1500				20	
	1		1500			2	1	BATHROOM CIRCUIT - 421
BEDROOM CIRCUIT - 422	20	3		1260			20	
	1			1260		4	1	BEDROOM CIRCUIT - 421
APPLIANCE CIRCUIT - 422	20	5			1800		20	
	1				1800	6	1	APPLIANCE CIRCUIT - 421
BATHROOM CIRCUIT - 424	20	7	1500				20	
	1		1500			8	1	BATHROOM CIRCUIT - 419
BEDROOM CIRCUIT - 424	20	9		1260			20	
	1			1260		10	1	BEDROOM CIRCUIT - 419
APPLIANCE CIRCUIT - 424	20	11			1800		20	
	1				1800	12	1	APPLIANCE CIRCUIT - 419
BATHROOM CIRCUIT - 426	20	13	1500				20	
	1		1500			14	1	BATHROOM CIRCUIT - 417
BEDROOM CIRCUIT - 426	20	15		1260			20	
	1			1260		16	1	BEDROOM CIRCUIT - 417
APPLIANCE CIRCUIT - 426	20	17			1800		20	
	1				1800	18	1	APPLIANCE CIRCUIT - 417
BATHROOM CIRCUIT - 429	20	19	1500				20	
	1		1260			20	1	LIVING RM CIRCUIT - 417
BEDROOM CIRCUIT - 429	20	21		1260			20	
	1					22	1	SPARE
APPLIANCE CIRCUIT - 429	20	23			1800		20	
	1					24	1	SPARE
BATHROOM CIRCUIT - 427	20	25	1500				20	
	1					26	1	SPARE
BEDROOM CIRCUIT - 427	20	27		1260			20	
	1					28	1	SPARE
APPLIANCE CIRCUIT - 427	20	29			1800		20	
	1					30	1	SPARE
BATHROOM CIRCUIT - 425	20	31	1500					
	1					32	1	BUSSED SPACE
BEDROOM CIRCUIT - 425	20	33		1260				
	1					34	1	BUSSED SPACE
APPLIANCE CIRCUIT - 425	20	35			1800			
	1					36	1	BUSSED SPACE
BATHROOM CIRCUIT - 423	20	37	1500					
	1					38	1	BUSSED SPACE
BEDROOM CIRCUIT - 423	20	39		1260				
	1					40	1	BUSSED SPACE
APPLIANCE CIRCUIT - 423	20	41			1800			
	1					42	1	BUSSED SPACE
FEED THROUGH LOAD								
CONNECTED LOAD			16260	12600	18000	NOTES/OPTIONS		
DESIGN LOAD			15828	8277	11825			
LINE AMPS			131.8	68.9	98.5			
DESIGN LOAD KVA			35.93					

3/26/13 8:26 AM (NEW)

PANELBOARD 4C SCHEDULE

VOLTAGE:	120/208V,3Ph,4W	LOCATION:	STORAGE RM 456
BUS RATING:	200	ENCLOSURE:	NEMA 1
MAINS:	200A MLO	MOUNTING:	SURFACE
TYPE:	BOLT ON	MIN. AIC:	22000

LOAD - VA

CIRCUIT DESCRIPTION	BKR	CKT NUM	PHASE A	PHASE B	PHASE C	CKT NUM	BKR	CIRCUIT DESCRIPTION
BATHROOM CIRCUIT - 407	20	1	1500				20	
	1		1500			2	1	BATHROOM CIRCUIT - 415
BEDROOM CIRCUIT - 407	20	3		1260			20	
	1			1260		4	1	BEDROOM CIRCUIT - 415
APPLIANCE CIRCUIT - 407	20	5			1800		20	
	1				1800	6	1	APPLIANCE CIRCUIT - 415
LIVING RM CIRCUIT - 407	20	7	1260				20	
	1		1500			8	1	BATHROOM CIRCUIT - 411
BATHROOM CIRCUIT - 405	20	9		1500			20	
	1			1260		10	1	BEDROOM CIRCUIT - 411
BEDROOM CIRCUIT - 405	20	11			1260		20	
	1				1800	12	1	APPLIANCE CIRCUIT - 411
APPLIANCE CIRCUIT - 405	20	13	1800				20	
	1		1260			14	1	LIVING RM CIRCUIT - 411
LIVING RM CIRCUIT - 405	20	15		1260			20	
	1			1500		16	1	BATHROOM CIRCUIT - 409
BATHROOM CIRCUIT - 403	20	17			1500		20	
	1				1260	18	1	BEDROOM CIRCUIT - 409
BEDROOM CIRCUIT - 403	20	19	1260				20	
	1		1800			20	1	APPLIANCE CIRCUIT - 409
APPLIANCE CIRCUIT - 403	20	21		1800			20	
	1			1260		22	1	LIVING RM CIRCUIT - 409
BATHROOM CIRCUIT - 401	20	23			1500			
	1					24	1	BUSSED SPACE
BEDROOM CIRCUIT - 401	20	25	1260					
	1					26	1	BUSSED SPACE
APPLIANCE CIRCUIT - 401	20	27		1800				
	1					28	1	BUSSED SPACE
SPARE	20	29						
	1					30	1	BUSSED SPACE
SPARE	20	31						
	1					32	1	BUSSED SPACE
SPARE	20	33						
	1					34	1	BUSSED SPACE
SPARE	20	35						
	1					36	1	BUSSED SPACE
SPARE	20	37						
	1					38	1	BUSSED SPACE
BUSSED SPACE		39						
	1					40	1	BUSSED SPACE
BUSSED SPACE		41						
	1					42	1	BUSSED SPACE
FEED THROUGH LOAD								
CONNECTED LOAD			13140	12900	10920	NOTES/OPTIONS		
DESIGN LOAD			10453	9821	8457			
LINE AMPS			87.0	81.8	70.4			
DESIGN LOAD KVA			28.73					

3/26/13 8:26 AM (NEW)

PANELBOARD 4H1 SCHEDULE

VOLTAGE:	120/208V,3Ph,4W	LOCATION:	STORAGE RM 456
BUS RATING:	200	ENCLOSURE:	NEMA 1
MAINS:	200A MLO	MOUNTING:	SURFACE
TYPE:	BOLT ON	MIN. AIC:	22000

LOAD - VA

CIRCUIT DESCRIPTION	BKR	CKT NUM	PHASE A	PHASE B	PHASE C	CKT NUM	BKR	CIRCUIT DESCRIPTION
PTAC - 402	15	1	1250				15	
			1250			2		PTAC - 426
		3		1250				
	2			1250		4	2	
PTAC - 404	15	5			1250		15	
					1250	6		PTAC - 429
		7	1250					
	2		1250			8	2	
PTAC - 406	15	9		1250			15	
				1250		10		PTAC - 427
		11			1250			
	2				1250	12	2	
PTAC - 408	15	13	1250				15	
			1250			14		PTAC - 425
		15		1250				
	2			1250		16	2	
PTAC - 410	15	17			1250		15	
					1250	18		PTAC - 423
		19	1250					
	2		1250			20	2	
PTAC - 416	15	21		1250			15	
				1250		22		PTAC - 421
		23			1250			
	2				1250	24	2	
PTAC - 418	15	25	1250				20	
						26	1	SPARE
		27		1250			20	
	2					28	1	SPARE
PTAC - 420	15	29			1250		20	
						30	1	SPARE
		31	1250				20	
	2					32	1	SPARE
PTAC - 422	15	33		1250			20	
						34	1	SPARE
		35			1250			
	2					36	1	BUSSED SPACE
PTAC - 424	15	37	1250				30	
			2004			38		
		39		1250				
	2			2004		40		AIR COMPRESSOR - ATTIC
BUSSED SPACE		41						
	1				2004	42	3	
FEED THROUGH LOAD								
CONNECTED LOAD			15754	15754	14504	NOTES/OPTIONS		
DESIGN LOAD			16255	16255	15005			
LINE AMPS			135.4	135.4	124.9			
DESIGN LOAD KVA			47.52					

3/26/13 8:26 AM (NEW)

PANELBOARD 4H2 SCHEDULE

VOLTAGE:	120/208V,3Ph,4W	LOCATION:	STORAGE RM 456
BUS RATING:	200	ENCLOSURE:	NEMA 1
MAINS:	200A MLO	MOUNTING:	SURFACE
TYPE:	BOLT ON	MIN. AIC:	22000

LOAD - VA

CIRCUIT DESCRIPTION	BKR	CKT NUM	PHASE A	PHASE B	PHASE C	CKT NUM	BKR	CIRCUIT DESCRIPTION
PTAC - 409	15	1	1250				15	
			1250			2		PTAC - 419
		3		1250				
	2			1250		4	2	
PTAC - 407	15	5			1250		15	
					1250	6		PTAC - 417
		7	1250					
	2		1250			8	2	
PTAC - 405	15	9		1250			15	
				1250		10		PTAC - 415
		11			1250			
	2				1250	12	2	
PTAC - 403	15	13	1250				15	
			1250			14		PTAC - 411
		15		1250				
	2			1250		16	2	
PTAC - 401	15	17			1250		20	
					1105	18	1	ATTIC LIGHTING
		19	1250				20	
	2		900			20	1	ATTIC RECEPTS
SPARE	20	21					20	
	1			900		22	1	ATTIC RECEPTS
SPARE	20	23					15	
	1				696	24	1	EF-4
SPARE	20	25					15	
	1		696			26	1	EF-5
SPARE	20	27					20	
	1			1176		28	1	EF-6
SPARE	20	29						
	1					30	1	BUSSED SPACE
BUSSED SPACE		31						
	1					32	1	BUSSED SPACE
BUSSED SPACE		33						
	1					34	1	BUSSED SPACE
BUSSED SPACE		35						
	1					36	1	BUSSED SPACE
BUSSED SPACE		37						
	1					38	1	BUSSED SPACE
BUSSED SPACE		39						
	1					40	1	BUSSED SPACE
BUSSED SPACE		41						
	1					42	1	BUSSED SPACE
FEED THROUGH LOAD								
CONNECTED LOAD			10346	9576	8051	NOTES/OPTIONS		
DESIGN LOAD			10659	9889	8327			
LINE AMPS			88.8	82.3	69.3			
DESIGN LOAD KVA			28.87					

ELECTRICAL PANEL SCHEDULES - FOURTH FLOOR

PROFESSIONAL ELECTRICAL ENGINEER
ROBERT CHRISTIAN ESTES
E-14580
STATE OF NEBRASKA
EXP 12/31/13
8/30/13

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JOB NO. 13001

DATE: MARCH 26, 2013

REVISED:

BOYT ENGINEERING
Sole Proprietor
107 N. Carbon Street
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bboyt@boytengineering.com

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ELECTRICAL PANEL SCHEDULES - FOURTH FLR

SHEET
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OF XX