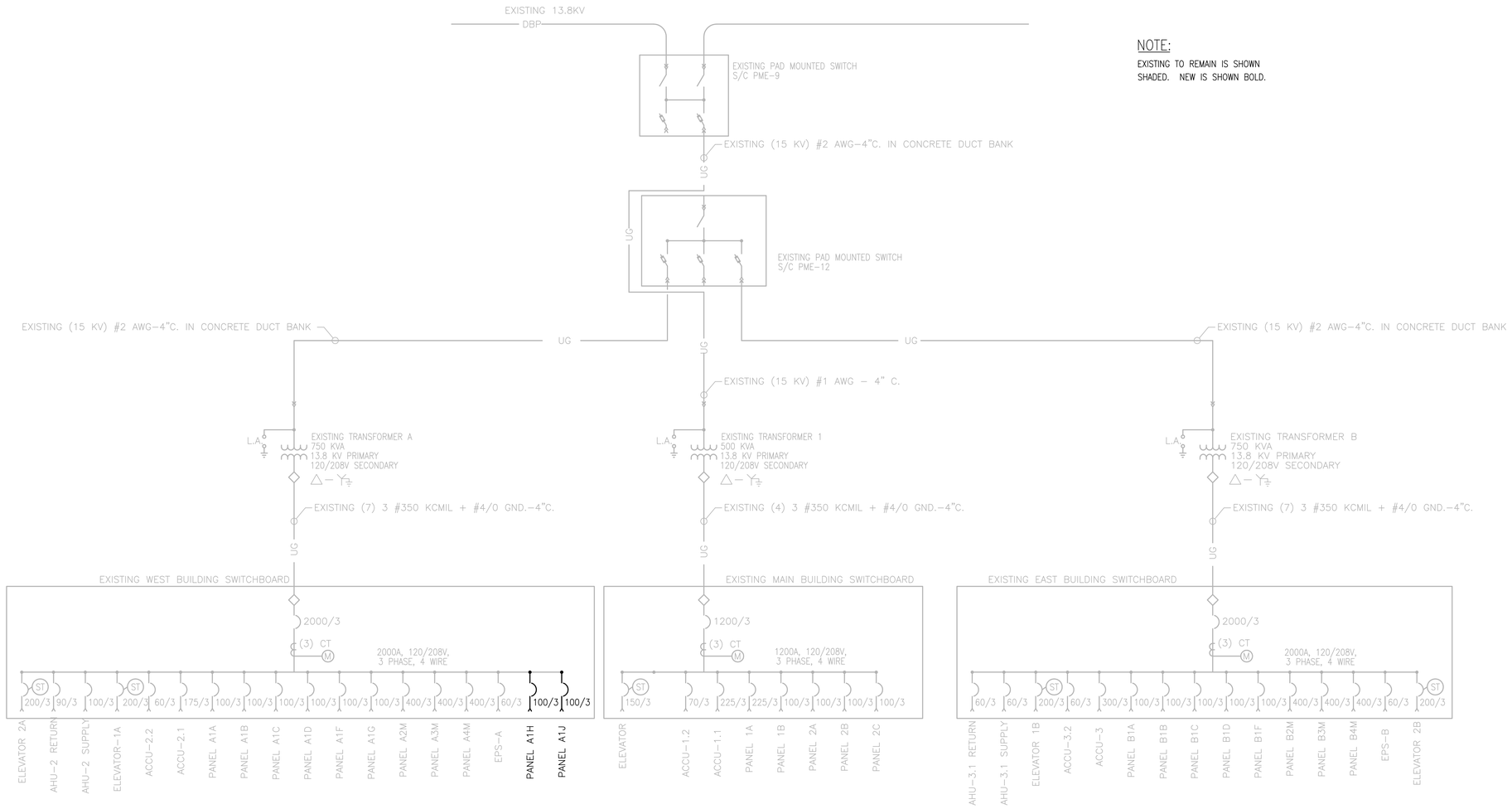


NOTE:

EXISTING TO REMAIN IS SHOWN SHADED. NEW IS SHOWN BOLD.

ONE-LINE DIAGRAM

NO SCALE

I hereby certify this drawing was prepared by me or under my direct supervision and that I am a duly registered architect under the laws of the State of Minnesota.

For: Mead & Hunt
By: Richard E. Cuchek
Title: Project Manager
Registration No: 22452

ALL SCALES SHOWN ARE BASED ON A STANDARD DRAWING SIZE OF 28" X 40" OR METRIC DRAWING SIZE OF 841mm X 594mm. IF ANY OTHER SIZE DRAWINGS ARE FURNISHED OR PLOTTED THE CONTRACTOR SHALL ADJUST THE SCALES ACCORDINGLY. THE CONTRACTOR SHALL ALSO ADVISE HIS SUB-CONTRACTORS OF THE ABOVE.

Revisions

Symbol	Descriptions	Date	Approved

Architect: ARCHITECTURAL ALLIANCE, MINNEAPOLIS, MINNESOTA

Engineer: MEAD & HUNT, MADISON, WISCONSIN

U.S. ARMY ENGINEER DISTRICT, CORPS OF ENGINEERS, OMAHA, NEBRASKA

Designed by: NWE

Drawn by: NWE

Checked by: REC

Reviewed by:

Submitted by:

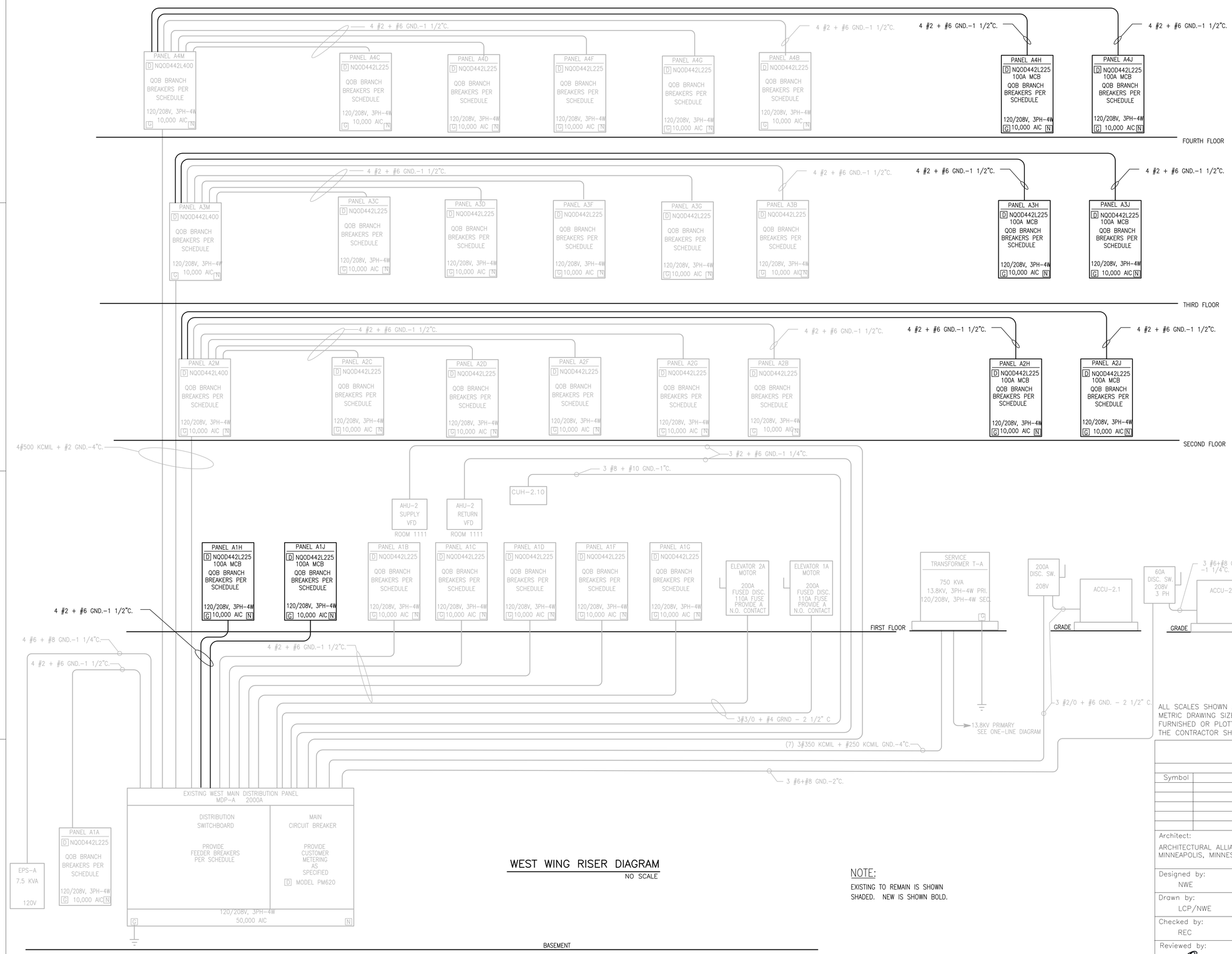
MINNEAPOLIS-ST.PAUL AFR — MINNESOTA

CONSOLIDATED LODGING FACILITY
- PHASE FOUR -

ONE LINE DIAGRAM

Plot Scale Ratio: 1:1
Design File: 10058E51.dwg
Date: DECEMBER 2003
Spec. No.: W9128F-04-B-0002
Contract No.: W9128F-04-C-XXXX
Drawing Code: AF 721-315-04
Sheet reference number: E5.1

QJKL-990011P4



WEST WING RISER DIAGRAM

NO SCALE

NOTE:

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For: Mead & Hunt
By: Richard E. Cuchel
Title: Project Manager
Registration No: 22452

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Revisions

Symbol	Descriptions	Date	Approved

Architect: ARCHITECTURAL ALLIANCE MINNEAPOLIS, MINNESOTA

Engineer: MEAD & HUNT MADISON, WISCONSIN

U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS OMAHA, NEBRASKA

Designed by: NWE

Drawn by: LCP/NWE

Checked by: REC

Reviewed by:

Submitted by:

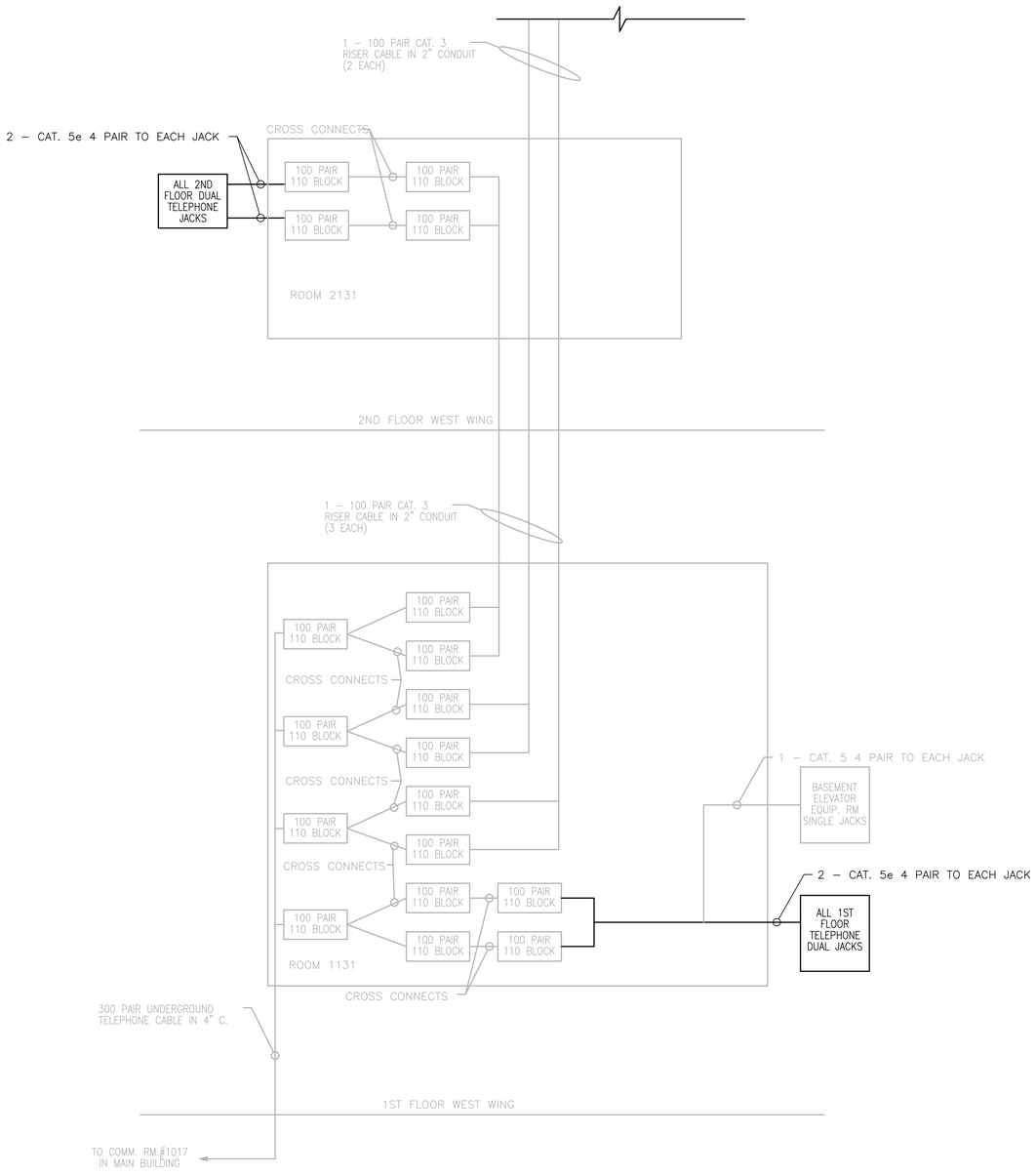
MINNEAPOLIS-ST.PAUL AFR — MINNESOTA

CONSOLIDATED LODGING FACILITY
– PHASE FOUR –

POWER RISER DIAGRAM

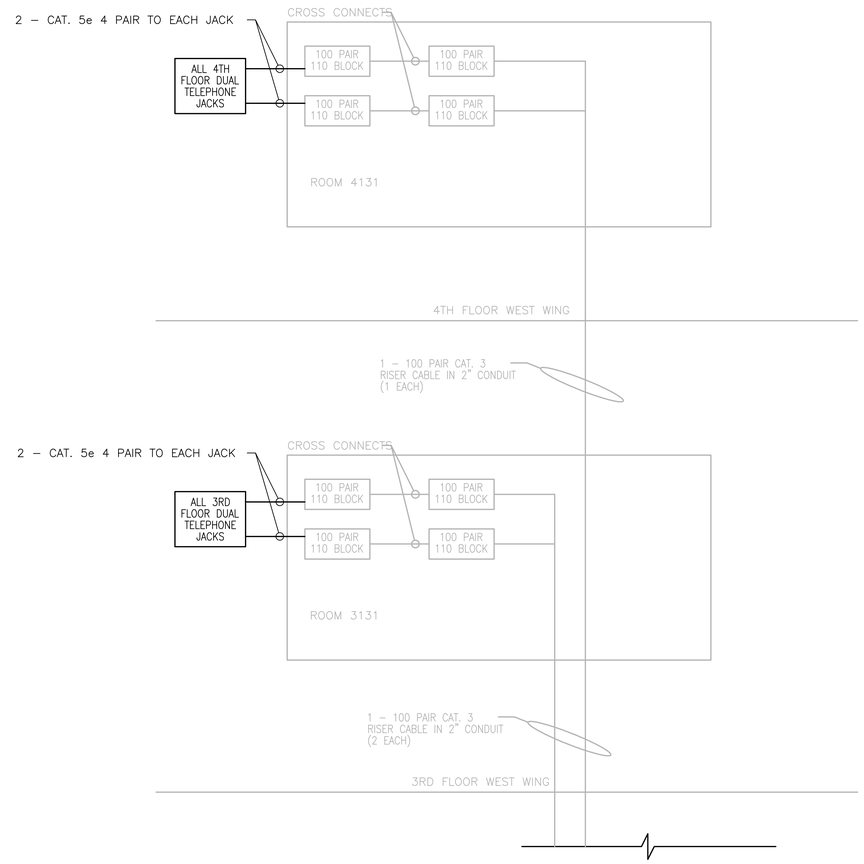
Plot Scale Ratio: 1:1
Design File: 10058E59.dwg
Date: DECEMBER 2003
Spec. No.: W9128F-04-B-0002
Contract No.: W9128F-04-C-XXXX
Drawing Code: AF 721-315-04
Sheet reference number: E5.9

QJKL-990011P4



WEST WING COMMUNICATIONS RISER

NO SCALE



NOTE:

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For: Mead & Hunt
By: Richard E. Cornelsen
Title: Project Manager
Registration No: 22452

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Revisions

Symbol	Descriptions	Date	Approved

Architect: ARCHITECTURAL ALLIANCE MINNEAPOLIS, MINNESOTA

Engineer: MEAD & HUNT MADISON, WISCONSIN

U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS OMAHA, NEBRASKA

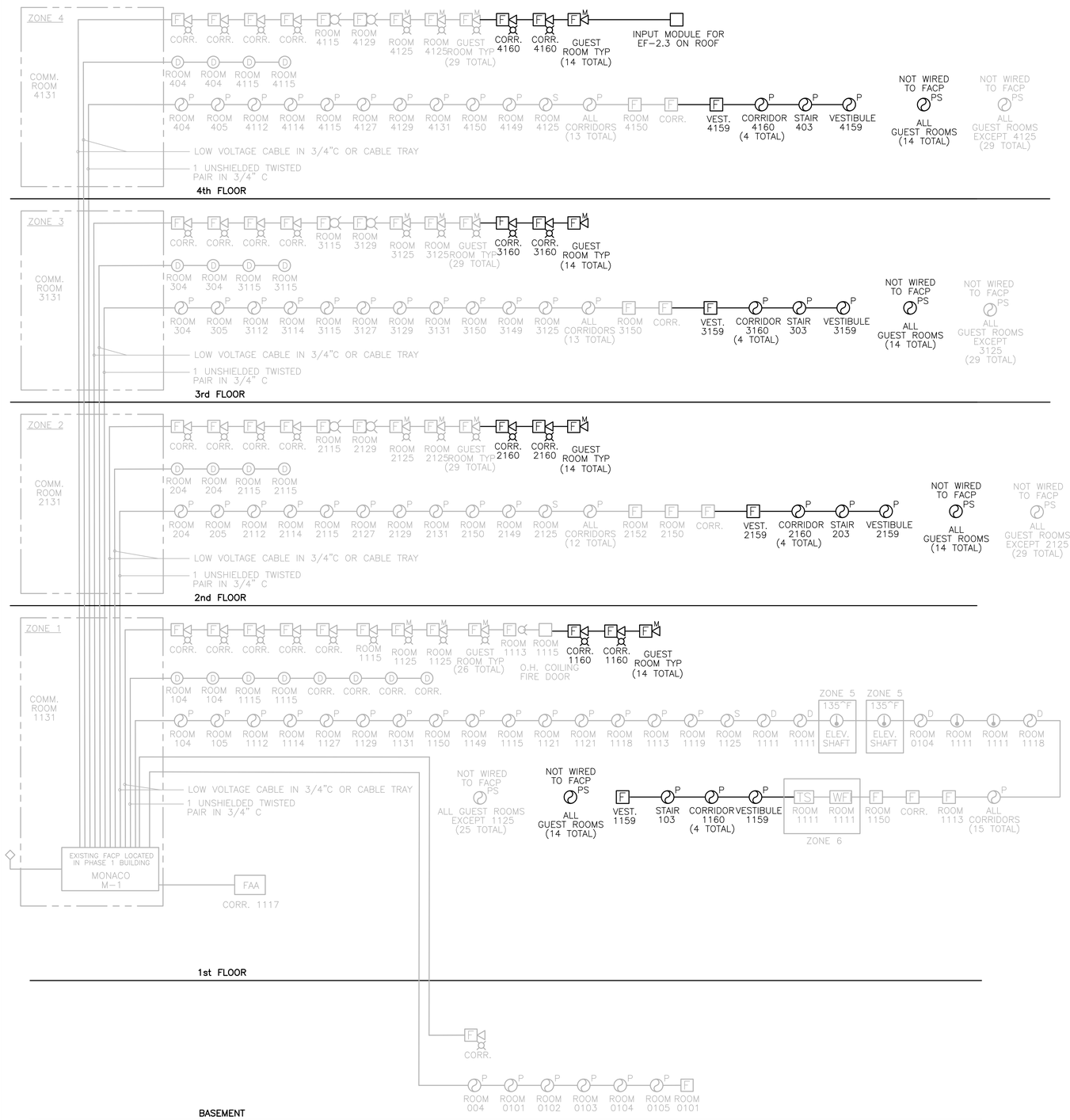
Designed by: NWE
Drawn by: NWE
Checked by: REC
Reviewed by:
Submitted by:

MINNEAPOLIS–ST.PAUL AFR — MINNESOTA

CONSOLIDATED LODGING FACILITY
– PHASE FOUR –
COMMUNICATIONS RISER DIAGRAM

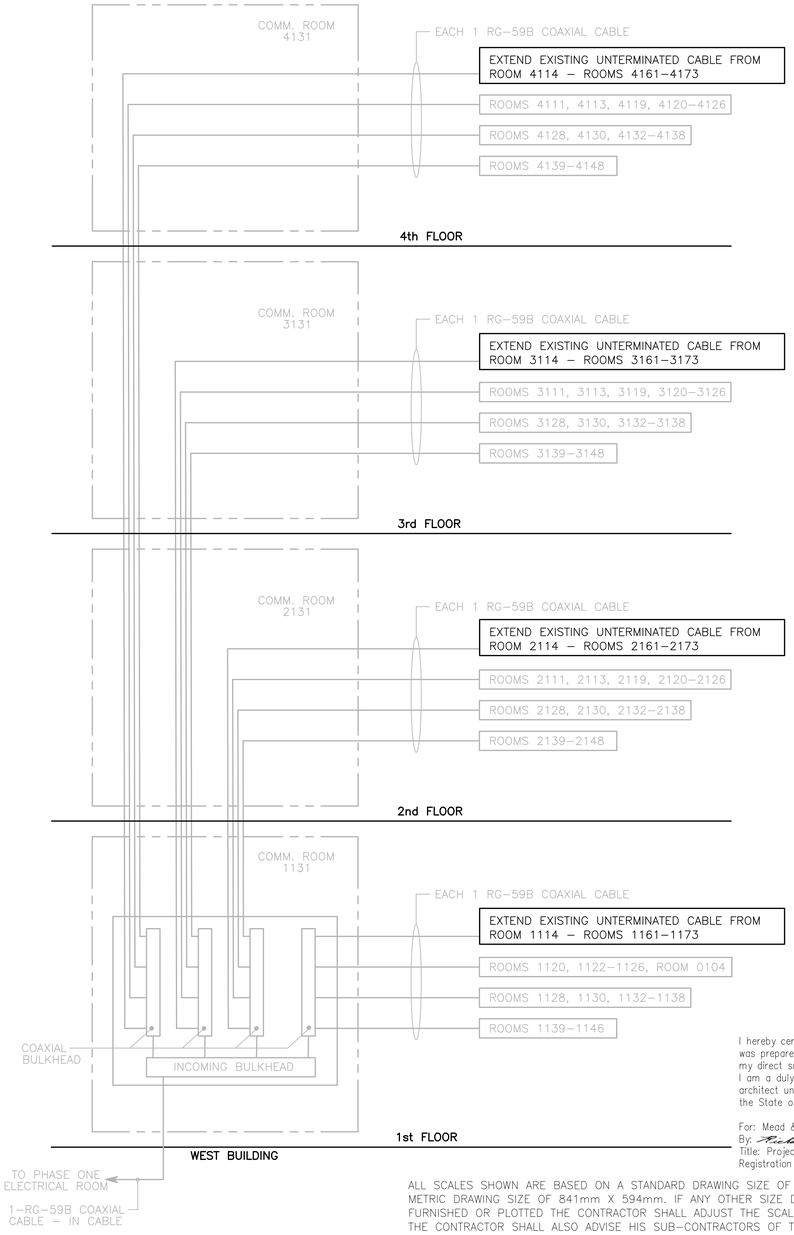
Plot Scale Ratio: 1:1
Design File: 10058E510.dwg
Date: DECEMBER 2003
Sheet reference number: E5.10
Spec. No.: W9128F–04–B–0002
Contract No.: W9128F–04–C–XXXX
Drawing Code: AF 721–315–04

QJKL-990011P4



WEST WING FIRE DETECTION SYSTEM RISER

NO SCALE



WEST WING CABLE TV RISER

NO SCALE

NOTE:

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For: Mead & Hunt
By: Richard E. Cuchel
Title: Project Manager
Registration No: 22452

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Revisions

Symbol	Descriptions	Date	Approved

Architect: ARCHITECTURAL ALLIANCE MINNEAPOLIS, MINNESOTA

Engineer: MEAD & HUNT MADISON, WISCONSIN

U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS OMAHA, NEBRASKA

Designed by: NWE
Drawn by: LCP
Checked by: REC
Reviewed by:
Submitted by:

MINNEAPOLIS–ST.PAUL AFR MINNESOTA

CONSOLIDATED LODGING FACILITY
– PHASE FOUR –
FIRE DETECTION & CABLE TV RISER DIAGRAMS

Plot Scale Ratio: 1:1
Design File: 10058E511.dwg
Date: DECEMBER 2003
Sheet reference number: E5.11
Spec. No.: W9128F-04-B-0002
Contract No.: W9128F-04-C-XXXX
Drawing Code: AF 721-315-04

QJKL-990011P4

ELECTRICAL NOTES

1. CONTRACTOR SHALL COORDINATE WITH ALL TRADES WHEN USING CEILING SPACE.
2. CONTRACTOR SHALL VERIFY WITH THE ARCHITECT INSTALLATION HEIGHT OF ALL RECEPTACLES LOCATED ABOVE MILL WORK.
3. ALL BATHROOM RECEPTACLES SHALL BE GFI AND SHALL BE INSTALLED AT 45" A.F.F. TO CENTER.
4. CONTRACTOR SHALL INSTALL THE CORRECT MATCHING RECEPTACLE FOR ALL THE PTAC UNITS. UNITS RATED FOR A 20 AMP CIRCUIT REQUIRE A NEMA 6-20R, AND UNITS RATED FOR A 30 AMP CIRCUIT REQUIRE A NEMA 6-30R. CONTRACTOR SHALL VERIFY EXACT MOUNTING LOCATIONS WITH ARCHITECT.

FIRE ALARM SYSTEM NOTES

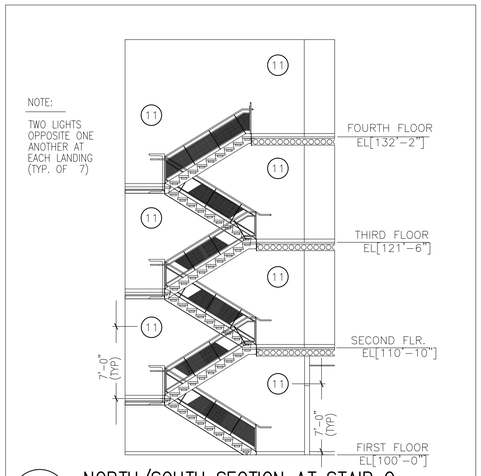
1. EACH GUEST ROOM HAS A STAND ALONE SMOKE DETECTOR THAT IS INDEPENDENT OF THE MAIN FIRE ALARM SYSTEM. AUDIBLE ALARM WILL BE SOUNDED IN ROOM ONLY, THERE SHALL BE NO NOTIFICATION TO MAIN SYSTEM.
2. SMOKE DETECTORS SHALL BE MOUNTED ON THE WALLS OF ALL GUEST ROOM THE CEILINGS OF ALL OTHER AREAS UNLESS SHOWN OTHERWISE OR APPROVED BY THE ARCHITECT AND THE ENGINEER.
3. LOCATIONS AND QUANTITIES OF SMOKE AND HEAT DETECTORS AND ANNUNCIATING DEVICES ON PLANS MAY NEED TO BE VARIED DUE TO MANUFACTURER SPECIFIC LIMITATIONS, CONTRACTOR IS RESPONSIBLE FOR PROVIDING ADDITIONAL DEVICES REQUIRED BY MANUFACTURER TO CONFORM TO N.F.P.A. AND ALL LOCAL CODES. CONTRACTOR SHALL COORDINATE INSTALLATION WITH ALL OTHER TRADES TO AVOID SPACE CONFLICTS.
4. EXTEND EXISTING FIRE ALARM ZONES ON EACH FLOOR TO INCLUDE NEW CONSTRUCTION.
5. ALL SMOKE DETECTORS IN CORRIDORS SHALL BE CENTERED ON THE CEILING.
6. COMPLETE FIRE ALARM SYSTEM SHALL COMPLY WITH NFPA, MIL-HDBK-1008C, AND ALL LOCAL CODES.
7. CONTRACTOR SHALL VERIFY THE BATTERIES IN THE PHASE 1 MAIN FIRE ALARM CONTROL PANEL ARE ADEQUATELY SIZED TO ACCOMMODATE ALL PHASES AND UPGRADE AS REQUIRED.

CABLE TV NOTES

1. EACH COAXIAL CABLE SHALL BE TEE CONNECTED TO ROOMS AS SHOWN ON RISER DIAGRAM.
2. ANY SIGNAL BOOSTERS INSTALLED SHALL BE MOUNTED TO CABLE BACK BOARD.
3. CONTRACTOR SHALL COORDINATE CABLE RUNS IN PIPE CHASE WITH ALL OTHER TRADES.

GENERAL NOTES

1. WORK PERFORMED INCLUDES ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED TO INSTALL A COMPLETE ELECTRICAL SYSTEM AS INDICATED ON THESE DRAWINGS AND AS SPECIFIED.
2. ALL EQUIPMENT SHOWN ON THE DISTRIBUTION RISER DIAGRAMS IS NEW AND SHALL BE PROVIDED PER SPECIFICATIONS BY THE ELECTRICAL CONTRACTOR UNLESS SPECIFICALLY INDICATED OTHERWISE.
3. ALL POWER RECEPTACLES, INCLUDING DUPLEX RECEPTACLES, SHALL BE MOUNTED AT HEIGHTS ABOVE FINISHED FLOOR AS SPECIFIED IN ELECTRICAL SPECIFICATIONS. VERIFY EXACT LOCATION WITH ARCHITECT.
4. ALL LIGHT SWITCHES SHALL BE MOUNTED AT HEIGHTS ABOVE FINISHED FLOOR AS SPECIFIED IN ELECTRICAL SPECIFICATIONS. VERIFY EXACT LOCATION WITH ARCHITECT.
5. ALL TELEPHONE AND DATA OUTLETS SHALL BE MOUNTED AT HEIGHTS ABOVE FINISHED FLOOR AS SPECIFIED IN ELECTRICAL SPECIFICATIONS. VERIFY EXACT LOCATION WITH ARCHITECT.
6. PROVIDE FUSED DISCONNECT SWITCHES FOR ALL MOTORS, UNLESS NOTED OTHERWISE. PROVIDE MOTOR STARTERS FOR ALL MOTORS WHICH ARE NOT PART OF A PACKAGED UNIT BEING FURNISHED BY THE EQUIPMENT SUPPLIER. WHERE ELECTRICAL CONTRACTOR SUPPLIES BOTH FUSED DISCONNECT SWITCH AND MOTOR STARTER, HE SHALL PROVIDE A FUSED COMBINATION STARTER UNIT.
7. CONTRACTOR SHALL CLARIFY ANY DISCREPANCIES OR ITEMS THAT ARE UNCLEAR BEFORE SUBMITTING BID.
8. ALL ROOMS SHALL BE HAVE FIXTURES AND MOUNTING HEIGHTS THAT ARE ADA COMPLIANT.
9. PROVIDE HILTI FIRESTOP PUTTY PAD CP617(L) AROUND ALL ELECTRICAL BOXES AND PENETRATIONS SEPARATED BY LESS THAN 24 HORIZONTAL INCHES IN COMMON WALLS, AND ALL ELECTRICAL BOXES AND PENETRATIONS IN FIRE RATED WALLS. SEE ARCHITECTURAL DRAWING A2.0 FOR FIRE WALL RATINGS.



1 / E6.3 NORTH/SOUTH SECTION AT STAIR C

NO SCALE

LIGHT FIXTURE SCHEDULE

NO.	MANUFACTURER	CATALOG NUMBER	LAMPS	REMARKS
1	LIGHTOLIER LITHONIA	8056WH-7218H-T120 AF 2/18 DTT-8AR 120-GEB ESI	2-PLC-18W	2-18 WATT LAMPS, 120V, 7" COMPACT FLUORESCENT RECESSED DOWNLIGHT WITH WHITE REFLECTOR.
2	NOT USED			
3	NOT USED			
4	COLUMBIA LIGHT CONCEPTS	EB-8RLH120MOT-UL/CSA 11885-25-MOTRN	2-F25T8/SP41	3 FOOT ARCHITECTURAL FLUORESCENT WALL BRACKET WITH 2 LAMPS. SUITABLE FOR DAMP LOCATIONS. ELECTRONIC BALLAST <10%THD.
5	NOT USED			
9	WINONA (800) 328-5291	4615-F-MOD THIS IS A CUSTOM FIXTURE TO MATCH EXISTING IN PHASE III	2-13W TWIN TUBE,GX23 BASE	ARCHITECURAL WALL SCONCE 2-13WATT COMPACT FLUORESCENT LAMPS. EXTRUDED PROFILE AND ACRYLIC DIFFUSER. SINGLE PERFORATED METAL OVERLAY.
10	NOT USED			
11	LITHONIA	VGR2-42TRT-120-DWHG-ES1 (TO MATCH EXISTING)	1-PL-T 42W/35/4P/ALTO	ARCHITECTURAL 13" ROUND WALL SURFACE MOUNT WITH VERTICAL EYELID. 42 WATT COMPACT FLUORESCENT, WHITE IN COLOR, 120V BALLAST, POLYCARBONATE PEARLESCENT LENS, MARINE GRADE DIE CAST ALUMINUM HOUSING, MOUNTING SURFACE GASKET AND STAINLESS STEEL FASTENERS. UL LISTED FOR WET LOCATIONS.
12	LITHONIA HOLOPHANE PRESCOLITE	LE-SW-1R-120/277 MCAELAMBARSN EDC-1-R-EN-BBA	INCLUDED	LED CAST ALUMINUM SINGLE STENCIL FACED EXIT WITH WHITE ON BRUSHED ALUMINUM HOUSING, RED LETTERS, 120V OPERATION, AND ARROWS SHOWN ON DRAWINGS.
21	MC-GRAW EDISON	CS72-38-1	1-150W HPS MOGUL	150W HPS PARKING LOT LIGHT, TYPE 4 SEGMENTED DISTRIBUTION W/HOUSE SIDE SHIELD. DIE CAST HOUSING W/TEMPERED GLASS LENS, STEEL EXTERNAL HARDWARE, GASKETED AND SELAED FOR WET LOCATION, BRONZE, 30' POLE AND MOUNTING TO MATCH EXISTING
24	LITHONIA	TWL-35S-120	1-LU35	WALL PACK 35W HIGH PRESSURE SODIUM. POLYCARBONATE LENS, DIE-CAST BACKPLANE, STAINLESS STEEL EXTERNAL HARDWARE, GASKETED AND SEALED HOUSING, 120V FUSED BALLAST. UL LISTED FOR WET LOCATIONS

LIGHTING NOTES

1. ALL SUBMITTED FIXTURES SHALL BE OF THE TYPE AND QUALITY OF THE MANUFACTURER LISTED FIXTURE AS SHOWN ON THE FIXTURE SCHEDULE.
2. ALL FIXTURES IN GUEST ROOMS SHALL BE WIRED TO THE JUNCTION BOX USED BY RECEPTACLE CIRCUITS.
3. FIXTURES #4, #9 & #11 ARE WALL MOUNTED, EXACT MOUNTING LOCATION AND HEIGHT SHALL BE VERIFIED BY THE ARCHITECT.
4. ALL FIXTURES DESIGNATED WITH E ARE NIGHT LIGHTS AND SHALL BE WIRED ALONG WITH THE EXIT SIGNS TO THE EPS.
5. VERIFY FIXTURE LAYOUT WITH DETAIL AND ARCHITECTURAL DRAWINGS.
6. REFER TO REFLECTED CEILING PLAN FOR EXACT FIXTURE LOCATIONS.

NOTE:

ALL FIXTURES SHALL MATCH COLOR AND FINISH AS INSTALLED IN PHASE 3.

I hereby certify this drawing was prepared by me or under my direct supervision and that I am a duly registered architect under the laws of the State of Minnesota.

For: Mead & Hunt
By: [signature]
Title: Project Manager
Registration No: 22452

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Revisions

Symbol	Descriptions	Date	Approved

Architect: ARCHITECTURAL ALLIANCE, MINNEAPOLIS, MINNESOTA

Engineer: MEAD & HUNT, MADISON, WISCONSIN

U.S. ARMY ENGINEER DISTRICT, CORPS OF ENGINEERS, OMAHA, NEBRASKA

Designed by: LCP
Drawn by: LCP/NWE
Checked by: REC
Reviewed by:
Submitted by:

MINNEAPOLIS-ST.PAUL AFR — MINNESOTA

CONSOLIDATED LODGING FACILITY
- PHASE FOUR -

ELECTRICAL NOTES, DETAILS AND LIGHT FIXTURE SCHEDULE

Plot Scale Ratio: 1:1
Design File: 10058E63.dwg
Date: DECEMBER 2003
Sheet reference number: E6.3
Spec. No.: W912BF-04-B-0002
Contract No.: W912BF-04-C-XXXX
Drawing Code: AF 721-315-04

QJKL-990011P4

PANEL: MDP-A SCH | OC DEVICE TYPE: Breaker | ENCLOSURE: NEMA 1 | MAINS(A): MLO | BUS RATING(A): 2000
LOCATION: ELECTRICAL RM 0103 | DEVICE FAMILY: Bolt On | MOUNTING: Free Standing | WIRING: 3-Phase 4-Wire | WITHSTAND(A): 100000
FED FROM: MDP-A BUS | VOLTAGE: 208/120 | FAULT CURRENT(A) 37024

CUBICLE NO	DESCRIPTION	CONNECTED kVA	DEMAND kVA	DESIGN kVA	DESIGN AMPS	OC DEVICE TRIP SIZE	NOTES
1	PNL AIA	27.53	15.71	16.79	46.60	100	FC-100AF/100AT, EXIST
2	PNL A1B	19.39	9.80	10.19	28.27	100	FC-100AF/100AT, EXIST
3	PNL A1C	36.96	13.27	13.36	37.10	100	FC-100AF/100AT, EXIST
4	PNL A1D	48.58	18.04	18.04	50.07	100	FC-100AF/100AT, EXIST
5	PNL A1F	39.76	14.45	14.69	40.78	100	FC-100AF/100AT, EXIST
6	PNL A1G	44.36	15.61	15.61	43.34	100	FC-100AF/100AT, EXIST
7	PNL A2M	289.24	102.66	102.96	285.78	400	LH-400AF/400AT, EXIST
8	PNL A3M	289.12	102.63	102.93	285.69	400	LH-400AF/400AT, EXIST
9	PNL A4M	297.43	105.81	106.11	294.54	400	LH-400AF/400AT, EXIST
10	EPS-A	13.21	8.00	9.39	26.07	60	FC-100AF/60AT, EXIST
11	ELEV 1A	43.23	10.81	10.81	30.00	200	KC-250AF/200AT, EXIST
12	ELEV-2A	43.23	10.81	10.81	30.00	200	KC-250AF/200AT, EXIST
13	ACCU-2.1	57.64	25.94	25.94	72.00	175	KC-250AF/175AT, EXIST
14	AHU-2 SUPPLY	22.34	10.05	10.05	27.90	100	FC-100AF/100AT, EXIST
15	AHU-2 RET.	17.29	7.78	7.78	21.60	90	FC-100AF/90AT, EXIST
16	CUH-2.5	10.00	4.50	4.50	21.63	90	FC-100AF/90AT
17	CUH -2.10	12.50	5.63	5.63	15.61	60	FC-100AF/60AT, EXIST
18	ACCU-2.2	13.33	6.00	6.00	16.65	60	FC-100AF/60AT, EXIST
19	PNL A1H	42.90	14.89	15.12	41.96	100	FC-100AF/100AT
20	PNL A1J	44.38	15.59	15.59	43.28	100	FC-100AF/100AT, EX SP
21	SPARE SPACE	0.00	0.00	0.00	0.00	250	EXISTING
22	SPARE SPACE	0.00	0.00	0.00	0.00	250	EXISTING
23	SPARE SPACE	0.00	0.00	0.00	0.00	250	EXISTING
24	SPARE SPACE	0.00	0.00	0.00	0.00	250	EXISTING
25	SPARE SPACE	0.00	0.00	0.00	0.00	250	EXISTING
26	SPARE SPACE	0.00	0.00	0.00	0.00	250	EXISTING

ALL CONNECTED	KVA	AMPS	* PHASE TOTALS	VA	AMPS	BUS TOTALS	KVA		
TOTAL CONNECTED	1412.42	3920.5	* A-N	472491.6	3934.5	CONNECTED	1412.42	DATE:	Jun 05, 2003
TOTAL DEMAND	517.97	1437.8	* B-N	472469.6	3934.3	DEMAND	517.97	TIME:	10:59:47
TOTAL DESIGN	522.29	1449.7	* C-N	467471.8	3892.7	DESIGN	522.29		

EXISTING PANEL, PROVIDE NEW BREAKERS. SWBD HAS A MAIN BREAKER, NOT MLO.
BREAKERS IN THIS SWBD ARE SERIES RATED REQUIRED TO LIMIT FAULT CURRENT, NO SUBSTITUTES ALLOWED

PANEL: EPS-A SCH | OC DEVICE TYPE: Breaker | ENCLOSURE: NEMA 1 | MAINS(A): MLO | BUS RATING(A): 100
LOCATION: ELECTRICAL RM 0103 | DEVICE FAMILY: Bolt On | MOUNTING: Free Standing | WIRING: 3-Phase 4-Wire | WITHSTAND(A): 10000
FED FROM: MDP-A BUS | VOLTAGE: 208/120 | FAULT CURRENT(A) 30693

OC AMPS P	NOTES	DESCRIPTION	DEMAND CODE	VA	CKT	PHASE LOADS VA A	B	C	CKT	VA	DEMAND CODE	DESCRIPTION	NOTES	OC AMPS P
15 1	EXISTING	ALL NL & EXIT 1ST FL	LIGHTIN	960	1	2281			2	1321	BUILDIN	FIRE ALARM CP	EXISTING	20 1
15 1	EXISTING	ALL NL & EXIT 2ND FL	LIGHTIN	910	3		1820		4	910	LIGHTIN	ALL NL & EXIT 4TH FL	EXISTING	15 1
15 1	EXISTING	ALL NL & EXIT 3RD FL	LIGHTIN	910	5			1510	6	600	LIGHTIN	ALL NL & EXIT BASMNT	EXISTING	15 1
20 1	EXISTING	ELEV. KEY SWITCH	BUILDIN	360	7	1201			8	841	BUILDIN	COMM RCP 1131	EXISTING	20 1
20 1	USE #10 MIN HO	NL & EXIT 1ST & 2ND	LIGHTIN	640	9		1481		10	841	BUILDIN	COMM RCP 2131	EXISTING	20 1
20 1	USE #10 MIN HO	NL & EXIT 3RD & 4TH	LIGHTIN	640	11			1481	12	841	BUILDIN	COMM RCP 3131	EXISTING	20 1
20 1		1ST SMOKE AND HEAT D	H.V.A.C	648	13	1489			14	841	BUILDIN	COMM RCP 4131	EXISTING	20 1
20 1		2ND SMOKE AND HEAT D	H.V.A.C	648	15		1297		16	648	H.V.A.C	4TH SMOKE AND HEAT D		20 1
20 1		3RD SMOKE AND HEAT D	H.V.A.C	648	17			648	18					

ALL CONNECTED	KVA	AMPS	* PHASE TOTALS	VA	AMPS	BUS TOTALS	KVA		
TOTAL CONNECTED	13.21	36.7	* A-N	4971.0	41.4	CONNECTED	13.21	DATE:	Jun 05, 2003
TOTAL DEMAND	8.00	22.2	* B-N	4597.6	38.3	DEMAND	8.00	TIME:	10:59:46
TOTAL DESIGN	9.39	26.1	* C-N	3639.1	30.3	DESIGN	9.39		

EXISTING PANEL, PROVIDE NEW BREAKERS

PANEL: PNL-A2M SCH | OC DEVICE TYPE: Breaker | ENCLOSURE: NEMA 1 | MAINS(A): MLO | BUS RATING(A): 400
LOCATION: ELECT-COMM 2131 | DEVICE FAMILY: Bolt On | MOUNTING: Surface | WIRING: 3-Phase 4-Wire | WITHSTAND(A): 22000
FED FROM: MDP-A BUS | VOLTAGE: 208/120 | FAULT CURRENT(A) 17622

OC AMPS P	NOTES	DESCRIPTION	DEMAND CODE	VA	CKT	PHASE LOADS VA A	B	C	CKT	VA	DEMAND CODE	DESCRIPTION	NOTES	OC AMPS P
100 3	FC-100AF/100AT	PNL A2H	NONE	42495	1	27654			2	40466	NONE	PNL A2D	EXISTING	100 3
""		""		-	3		27654		4	-		""		""
""		""		-	5			27654	6	-		""		""
100 3	EXISTING	PNL A2B	NONE	24499	7	22694			8	43584	NONE	PNL A2F	EXISTING	100 3
""		""		-	9		22694		10	-		""		""
""		""		-	11			22694	12	-		""		""
100 3	EXISTING	PNL A2C	NONE	32847	13	24035			14	39278	NONE	PNL A2G	EXISTING	100 3
""		""		-	15		24035		16	-		""		""
""		""		-	17			24035	18	-		""		""
20 1	EXISTING	SPARE	SPARE	0	19	4167			20	12500	H.V.A.C	CUH-2.11	EXISTING	60 3
20 1	EXISTING	SPARE	SPARE	0	21		4167		22	-		""		""
20 1	EXISTING	SPARE	SPARE	0	23			4167	24	-		""		""
20 1	EXISTING	SPARE	SPARE	0	25	14125			26	42375	NONE	PNL A2J	FC-100AF/100AT	100 3
20 1	EXISTING	SPARE	SPARE	0	27		14125		28	-		""		""
0 1		SPACE		0	29			14125	30	-		""		""
0 1		SPACE		0	31	1872			32	3744	H.V.A.C	DRYER RCP	EXISTING	30 2
0 1		SPACE		0	33		1872		34	-		""		""
0 1		SPACE		0	35			1872	36	3744	H.V.A.C	DRYER RCP	EXISTING	30 2
0 1		SPACE		0	37	1872			38	-		""		""
0 1		SPACE		0	39		1872		40	3744	H.V.A.C	DRYER RCP	EXISTING	30 2
0 1		SPACE		0	41			1872	42	-		""		""

ALL CONNECTED	KVA	AMPS	* PHASE TOTALS	VA	AMPS	BUS TOTALS	KVA		
TOTAL CONNECTED	289.24	802.8	* A-N	96413.3	802.8	CONNECTED	289.24	DATE:	Jun 05, 2003
TOTAL DEMAND	102.66	284.9	* B-N	96413.3	802.8	DEMAND	102.66	TIME:	10:59:50
TOTAL DESIGN	102.96	285.8	* C-N	96413.3	802.8	DESIGN	102.96		

EXISTING PANEL, PROVIDE NEW BREAKERS

PANEL: PNL-A3M SCH | OC DEVICE TYPE: Breaker | ENCLOSURE: NEMA 1 | MAINS(A): MLO | BUS RATING(A): 400
LOCATION: ELECT-COMM 3131 | DEVICE FAMILY: Bolt On | MOUNTING: Surface | WIRING: 3-Phase 4-Wire | WITHSTAND(A): 22000
FED FROM: MDP-A BUS | VOLTAGE: 208/120 | FAULT CURRENT(A) 16868

OC AMPS P	NOTES	DESCRIPTION	DEMAND CODE	VA	CKT	PHASE LOADS VA A	B	C	CKT	VA	DEMAND CODE	DESCRIPTION	NOTES	OC AMPS P
100 3	FC-100AF/100AT	PNL A3H	NONE	42495	1	27654			2	40466	NONE	PNL A3D	EXISTING	100 3
""		""		-	3		27654		4	-		""		""
""		""		-	5			27654	6	-		""		""
100 3	EXISTING	PNL A3B	NONE	24499	7	22654			8	43464	NONE	PNL A3F	EXISTING	100 3
""		""		-	9		22654		10	-		""		""
""		""		-	11			22654	12	-		""		""
100 3	EXISTING	PNL A3C	NONE	32847	13	24035			14	39278	NONE	PNL A3G	EXISTING	100 3
""		""		-	15		24035		16	-		""		""
""		""		-	17			24035	18	-		""		""
20 1	EXISTING	SPARE	SPARE	0	19	4167			20	12500	H.V.A.C	CUH-2.12	EXISTING	60 3
20 1	EXISTING	SPARE	SPARE	0	21		4167		22	-		""		""
20 1	EXISTING	SPARE	SPARE	0	23			4167	24	-		""		""
20 1	EXISTING	SPARE	SPARE	0	25	14125			26	42375	NONE	PNL A3J	FC-100AF/100AT	100 3
20 1	EXISTING	SPARE	SPARE	0	27		14125		28	-		""		""
20 1	EXISTING	SPARE	SPARE	0	29			14125	30	-		""		""
0 1		SPACE		0	31	1872			32	3744	H.V.A.C	DRYER RCP	EXISTING	30 2
0 1		SPACE		0	33		1872		34	-		""		""
0 1		SPACE		0	35			1872	36	3744	H.V.A.C	DRYER RCP	EXISTING	30 2
0 1		SPACE		0	37	1872			38	-		""		""
0 1		SPACE		0	39		1872		40	3744	H.V.A.C	DRYER RCP	EXISTING	30 2
0 1		SPACE		0	41			1872	42	-		""		""

ALL CONNECTED	KVA	AMPS	* PHASE TOTALS	VA	AMPS	BUS TOTALS	KVA		
TOTAL CONNECTED	289.12	802.5	* A-N	96373.3	802.5	CONNECTED	289.12	DATE:	Jun 05, 2003
TOTAL DEMAND	102.63	284.9	* B-N	96373.3	802.5	DEMAND	102.63	TIME:	10:59:51
TOTAL DESIGN	102.93	285.7	* C-N	96373.3	802.5	DESIGN	102.93		

EXISTING PANEL, PROVIDE NEW BREAKERS

PANEL: PNL-A4M SCH | OC DEVICE TYPE: Breaker | ENCLOSURE: NEMA 1 | MAINS(A): MLO | BUS RATING(A): 400
LOCATION: ELECT-COMM 4131 | DEVICE FAMILY: Bolt On | MOUNTING: Surface | WIRING: 3-Phase 4-Wire | WITHSTAND(A): 22000
FED FROM: MDP-A BUS | VOLTAGE: 208/120 | FAULT CURRENT(A) 16176

OC AMPS P	NOTES	DESCRIPTION	DEMAND CODE	VA	CKT	PHASE LOADS VA A	B	C	CKT	VA	DEMAND CODE	DESCRIPTION	NOTES	OC AMPS P
100 3	FC-100AF/100AT	PNL A4H	NONE	42495	1	27894			2	41186	NONE	PNL A4D	EXISTING	100 3
""		""		-	3		27894		4	-		""		""
""		""		-	5			27894	6	-		""		""
100 3	EXISTING	PNL A4B	NONE	30721	7	24728			8	43464	NONE	PNL A4F	EXISTING	100 3
""		""		-	9		24728		10	-		""		""
""		""		-	11			24728	12	-		""		""
100 3	EXISTING	PNL A4C	NONE	32847	13	24316			14	40118	NONE	PNL A4G	EXISTING	100 3
""		""		-	15		24316		16	-		""		""
""		""		-	17			24316	18	-		""		""
20 1	EXISTING	SPARE	SPARE	0	19	4167			20	12500	H.V.A.C	CUH-2.13	EXISTING	60 3
20 1	EXISTING	SPARE	SPARE	0	21		4167		22	-		""		""
20 1	EXISTING	SPARE	SPARE	0	23			4167	24	-		""		""
20 1	EXISTING	SPARE	SPARE	0	25	14301			26	42903	NONE	PNL A4J	FC-100AF/100AT	100 3
20 1	EXISTING	SPARE	SPARE	0	27		14301		28	-		""		""
20 1	EXISTING	SPARE	SPARE	0	29			14301	30	-		""		""
0 1		SPACE		0	31	1872			32	3744	H.V.A.C	DRYER RCP	EXISTING	30 2
0 1		SPACE		0	33		1872		34	-		""		""
0 1		SPACE		0	35			1872	36	3744	H.V.A.C	DRYER RCP	EXISTING	30 2
0 1		SPACE		0	37	1872			38	-		""		""
0 1		SPACE		0	39		1872		40	3744	H.V.A.C	DRYER RCP	EXISTING	30 2
0 1		SPACE		0	41			1872	42	-		""		""

ALL CONNECTED	KVA	AMPS	* PHASE TOTALS	VA	AMPS	BUS TOTALS	KVA		
TOTAL CONNECTED	297.43	825.6	* A-N	99144.0	825.6	CONNECTED	297.43	DATE:	Jun 05, 2003
TOTAL DEMAND	105.81	293.7	* B-N	99144.0	825.6	DEMAND	105.81	TIME:	10:59:52
TOTAL DESIGN	106.11	294.5	* C-N	99144.0	825.6	DESIGN	106.11		

EXISTING PANEL, PROVIDE NEW BREAKERS

I hereby certify this drawing was prepared by me or under my direct supervision and that I am a duly registered architect under the laws of the State of Minnesota.

For: Mead & Hunt
By: Richard E. [signature]
Title: Project Manager
Registration No: 22452

ALL SCALES SHOWN ARE BASED ON A STANDARD DRAWING SIZE OF 28" X 40" OR METRIC DRAWING SIZE OF 841mm X 594mm. IF ANY OTHER SIZE DRAWINGS ARE FURNISHED OR PLOTTED THE CONTRACTOR SHALL ADJUST THE SCALES ACCORDINGLY. THE CONTRACTOR SHALL ALSO ADVISE HIS SUB-CONTRACTORS OF THE ABOVE.

Revisions

Symbol	Descriptions	Date	Approved

Architect: ARCHITECTURAL ALLIANCE, MINNEAPOLIS, MINNESOTA
Engineer: MEAD & HUNT, MADISON, WISCONSIN
U.S. ARMY ENGINEER DISTRICT, CORPS OF ENGINEERS, OMAHA, NEBRASKA

Designed by: NWE
Drawn by: NWE
Checked by: REC
Reviewed by:
Submitted by:

MINNEAPOLIS-ST.PAUL AFR — MINNESOTA

CONSOLIDATED LODGING FACILITY
– PHASE FOUR –

PANEL SCHEDULES

Plot Scale Ratio: 1:1
Design File: 10058E710.dwg
Date: DECEMBER 2003
Spec. No.: W9128F-04-B-0002
Contract No.: W9128F-04-C-XXXX
Drawing Code: AF 721-315-04
Sheet reference number: E7.10

QJKL-990011P4

PANEL: PNL-A1H SCH | OC DEVICE TYPE: Breaker | ENCLOSURE: NEMA 1 | MAINS(A): BKR | BUS RATING(A): 225
LOCATION: CORRIDOR 1160 | DEVICE FAMILY: Bolt On | MOUNTING: Flush | WIRING: 3-Phase 4-Wire | WITHSTAND(A): 10000
FED FROM: MDP-A BUS | VOLTAGE: 208/120 | FAULT CURRENT(A) 6814

OC AMPS	P	NOTES	DESCRIPTION	DEMAND CODE	VA	CKT	PHASE LOADS VA A	B	C	CKT	VA	DEMAND CODE	DESCRIPTION	NOTES	OC AMPS	P
20	1		RM. 1162 LTG/REC	RECEPTA	1201	1	2451			2	2500	H. V. A. C	ROOM 1162 PTAC		20	2
20	1		RM. 1162 RECEPTACLES	RECEPTA	962	3		2212		4	-		" "		" "	
20	1		RM. 1162 RECEPTACLES	RECEPTA	962	5			2212	6	2500	H. V. A. C	ROOM 1164 PTAC		20	2
20	1		RM. 1164 LTG/REC	RECEPTA	1201	7	2451			8	-		" "		" "	
20	1		RM. 1164 RECEPTACLES	RECEPTA	962	9		2212		10	2500	H. V. A. C	ROOM 1166 PTAC		20	2
20	1		RM. 1164 RECEPTACLES	RECEPTA	962	11			2212	12	-		" "		" "	
20	1		RM. 1166 LTG/REC	RECEPTA	1201	13	2451			14	2500	H. V. A. C	ROOM 1168 PTAC		20	2
20	1		RM. 1166 RECEPTACLES	RECEPTA	962	15		2212		16	-		" "		" "	
20	1		RM. 1166 RECEPTACLES	RECEPTA	962	17			2212	18	2500	H. V. A. C	ROOM 1170 PTAC		20	2
20	1		RM. 1168 LTG/REC	RECEPTA	1201	19	2451			20	-		" "		" "	
20	1		RM. 1168 RECEPTACLES	RECEPTA	1321	21		2571		22	2500	H. V. A. C	ROOM 1172 PTAC		20	2
20	1		RM. 1168 RECEPTACLES	RECEPTA	1321	23			2571	24	-		" "		" "	
20	1		RM. 1170 LTG/REC	RECEPTA	1201	25	2451			26	2500	H. V. A. C	ROOM 1174 PTAC		20	2
20	1		RM. 1170 RECEPTACLES	RECEPTA	962	27		2212		28	-		" "		" "	
20	1		RM. 1170 RECEPTACLES	RECEPTA	962	29			1852	30	890	LIGHTIN	CORRIDOR LGTS		20	1
20	1		RM. 1172 LTG/REC	RECEPTA	1201	31	1201			32	0	LIGHTIN	SPARE		20	1
20	1		RM. 1172 RECEPTACLES	RECEPTA	962	33		1922		34	960	RECEPTA	CORRIDOR REC.		20	1
20	1		RM. 1172 RECEPTACLES	RECEPTA	962	35			1922	36	960	RECEPTA	CORRIDOR REC.		20	1
20	1		RM. 1174 LTG/REC	RECEPTA	1201	37	1201			38	0	SPARE	SPARE		0	1
20	1		RM. 1174 RECEPTACLES	RECEPTA	962	39		962		40	0	SPARE	SPARE		0	1
20	1		RM. 1174 RECEPTACLES	RECEPTA	962	41			962	42	0	SPARE	SPARE		0	1

ALL CONNECTED	KVA	AMPS	* PHASE TOTALS	VA	AMPS	BUS TOTALS	KVA	
TOTAL CONNECTED	42.90	119.1	* A-N	14674.8	122.2	CONNECTED	42.90	DATE: Jun 05, 2003
TOTAL DEMAND	14.89	41.3	* B-N	14321.2	119.3	DEMAND	14.89	TIME: 10:59:48
TOTAL DESIGN	15.12	42.0	* C-N	13943.0	116.1	DESIGN	15.12	

PANEL: PNL-A1J SCH | OC DEVICE TYPE: Breaker | ENCLOSURE: NEMA 1 | MAINS(A): BKR | BUS RATING(A): 225
LOCATION: CORRIDOR 1160 | DEVICE FAMILY: Bolt On | MOUNTING: Flush | WIRING: 3-Phase 4-Wire | WITHSTAND(A): 10000
FED FROM: MDP-A BUS | VOLTAGE: 208/120 | FAULT CURRENT(A) 4280

OC AMPS	P	NOTES	DESCRIPTION	DEMAND CODE	VA	CKT	PHASE LOADS VA A	B	C	CKT	VA	DEMAND CODE	DESCRIPTION	NOTES	OC AMPS	P
20	1		RM. 1161 LTG/REC	RECEPTA	1201	1	2451			2	2500	H. V. A. C	ROOM 1161 PTAC		20	2
20	1		RM. 1161 RECEPTACLES	RECEPTA	962	3		2212		4	-		" "		" "	
20	1		RM. 1161 RECEPTACLES	RECEPTA	962	5			2212	6	2500	H. V. A. C	ROOM 1163 PTAC		20	2
20	1		RM. 1163 LTG/REC	RECEPTA	1201	7	2451			8	-		" "		" "	
20	1		RM. 1163 RECEPTACLES	RECEPTA	962	9		2212		10	2500	H. V. A. C	ROOM 1165 PTAC		20	2
20	1		RM. 1163 RECEPTACLES	RECEPTA	962	11			2212	12	-		" "		" "	
20	1		RM. 1165 LTG/REC	RECEPTA	1201	13	2451			14	2500	H. V. A. C	ROOM 1167 PTAC		20	2
20	1		RM. 1165 RECEPTACLES	RECEPTA	962	15		2212		16	-		" "		" "	
20	1		RM. 1165 RECEPTACLES	RECEPTA	962	17			2212	18	2500	H. V. A. C	ROOM 1169 PTAC		20	2
20	1		RM. 1167 LTG/REC	RECEPTA	1201	19	2451			20	-		" "		" "	
20	1		RM. 1167 RECEPTACLES	RECEPTA	962	21		2212		22	2500	H. V. A. C	ROOM 1171 PTAC		20	2
20	1		RM. 1167 RECEPTACLES	RECEPTA	962	23			2212	24	-		" "		" "	
20	1		RM. 1169 LTG/REC	RECEPTA	1201	25	2451			26	2500	H. V. A. C	ROOM 1173 PTAC		20	2
20	1		RM. 1169 RECEPTACLES	RECEPTA	962	27		2212		28	-		" "		" "	
20	1		RM. 1169 RECEPTACLES	RECEPTA	962	29			3462	30	5000	H. V. A. C	CUH-2.1		60	2
20	1		RM. 1171 LTG/REC	RECEPTA	1201	31	3701			32	-		" "		" "	
20	1		RM. 1171 RECEPTACLES	RECEPTA	962	33		962		34	0	SPARE	SPARE		0	1
20	1		RM. 1171 RECEPTACLES	RECEPTA	962	35			962	36	0	SPARE	SPARE		0	1
20	1		RM. 1173 LTG/REC	RECEPTA	1201	37	1201			38	0	SPARE	SPARE		0	1
20	1		RM. 1173 RECEPTACLES	RECEPTA	962	39		962		40	0	SPARE	SPARE		0	1
20	1		RM. 1173 RECEPTACLES	RECEPTA	962	41			962	42	0	SPARE	SPARE		0	1

ALL CONNECTED	KVA	AMPS	* PHASE TOTALS	VA	AMPS	BUS TOTALS	KVA	
TOTAL CONNECTED	44.38	123.2	* A-N	17172.2	143.0	CONNECTED	44.38	DATE: Jun 05, 2003
TOTAL DEMAND	15.59	43.3	* B-N	13004.0	108.3	DEMAND	15.59	TIME: 10:59:48
TOTAL DESIGN	15.59	43.3	* C-N	14307.0	119.1	DESIGN	15.59	

PANEL: PNL-A2H SCH | OC DEVICE TYPE: Breaker | ENCLOSURE: NEMA 1 | MAINS(A): BKR | BUS RATING(A): 225
LOCATION: CORRIDOR 2160 | DEVICE FAMILY: Bolt On | MOUNTING: Flush | WIRING: 3-Phase 4-Wire | WITHSTAND(A): 10000
FED FROM: PNL A2M | VOLTAGE: 208/120 | FAULT CURRENT(A) 3488

OC AMPS	P	NOTES	DESCRIPTION	DEMAND CODE	VA	CKT	PHASE LOADS VA A	B	C	CKT	VA	DEMAND CODE	DESCRIPTION	NOTES	OC AMPS	P
20	1		RM. 2162 LTG/REC	RECEPTA	1201	1	2451			2	2500	H. V. A. C	ROOM 2162 PTAC		20	2
20	1		RM. 2162 RECEPTACLES	RECEPTA	962	3		2212		4	-		" "		" "	
20	1		RM. 2162 RECEPTACLES	RECEPTA	962	5			2212	6	2500	H. V. A. C	ROOM 2164 PTAC		20	2
20	1		RM. 2164 LTG/REC	RECEPTA	1201	7	2451			8	-		" "		" "	
20	1		RM. 2164 RECEPTACLES	RECEPTA	962	9		2212		10	2500	H. V. A. C	ROOM 2166 PTAC		20	2
20	1		RM. 2164 RECEPTACLES	RECEPTA	962	11			2212	12	-		" "		" "	
20	1		RM. 2166 LTG/REC	RECEPTA	1201	13	2451			14	2500	H. V. A. C	ROOM 2168 PTAC		20	2
20	1		RM. 2166 RECEPTACLES	RECEPTA	962	15		2212		16	-		" "		" "	
20	1		RM. 2166 RECEPTACLES	RECEPTA	962	17			2212	18	2500	H. V. A. C	ROOM 2170 PTAC		20	2
20	1		RM. 2168 LTG/REC	RECEPTA	1201	19	2451			20	-		" "		" "	
20	1		RM. 2168 RECEPTACLES	RECEPTA	962	21		2212		22	2500	H. V. A. C	ROOM 2172 PTAC		20	2
20	1		RM. 2168 RECEPTACLES	RECEPTA	962	23			2212	24	-		" "		" "	
20	1		RM. 2170 LTG/REC	RECEPTA	1201	25	2451			26	2500	H. V. A. C	ROOM 2174 PTAC		20	2
20	1		RM. 2170 RECEPTACLES	RECEPTA	962	27		2212		28	-		" "		" "	
20	1		RM. 2170 RECEPTACLES	RECEPTA	962	29			2162	30	1200	LIGHTIN	CORRIDOR LGTS		20	1
20	1		RM. 2172 LTG/REC	RECEPTA	1201	31	1201			32	0	LIGHTIN	SPARE		20	1
20	1		RM. 2172 RECEPTACLES	RECEPTA	962	33		1922		34	960	RECEPTA	CORRIDOR REC.		20	1
20	1		RM. 2172 RECEPTACLES	RECEPTA	962	35			1922	36	960	RECEPTA	CORRIDOR REC.		20	1
20	1		RM. 2174 LTG/REC	RECEPTA	1201	37	1201			38	0	SPARE	SPARE		0	1
20	1		RM. 2174 RECEPTACLES	RECEPTA	962	39		962		40	0	SPARE	SPARE		0	1
20	1		RM. 2174 RECEPTACLES	RECEPTA	962	41			962	42	0	SPARE	SPARE		0	1

ALL CONNECTED	KVA	AMPS	* PHASE TOTALS	VA	AMPS	BUS TOTALS	KVA	
TOTAL CONNECTED	42.50	118.0	* A-N	14674.8	122.2	CONNECTED	42.50	DATE: Jun 05, 2003
TOTAL DEMAND	15.02	41.7	* B-N	13962.7	116.3	DEMAND	15.02	TIME: 10:59:49
TOTAL DESIGN	15.32	42.5	* C-N	13894.0	115.7	DESIGN	15.32	

PANEL: PNL-A2J SCH | OC DEVICE TYPE: Breaker | ENCLOSURE: NEMA 1 | MAINS(A): BKR | BUS RATING(A): 225
LOCATION: CORRIDOR 2160 | DEVICE FAMILY: Bolt On | MOUNTING: Flush | WIRING: 3-Phase 4-Wire | WITHSTAND(A): 10000
FED FROM: PNL A2M | VOLTAGE: 208/120 | FAULT CURRENT(A) 2558

OC AMPS	P	NOTES	DESCRIPTION	DEMAND CODE	VA	CKT	PHASE LOADS VA A	B	C	CKT	VA	DEMAND CODE	DESCRIPTION	NOTES	OC AMPS	P
20	1		RM. 2161 LTG/REC	RECEPTA	1201	1	2451			2	2500	H. V. A. C	ROOM 2161 PTAC		20	2
20	1		RM. 2161 RECEPTACLES	RECEPTA	962	3		2212		4	-		" "		" "	
20	1		RM. 2161 RECEPTACLES	RECEPTA	962	5			2212	6	2500	H. V. A. C	ROOM 2163 PTAC		20	2
20	1		RM. 2163 LTG/REC	RECEPTA	1201	7	2451			8	-		" "		" "	
20	1		RM. 2163 RECEPTACLES	RECEPTA	962	9		2212		10	2500	H. V. A. C	ROOM 2165 PTAC		20	2
20	1		RM. 2163 RECEPTACLES	RECEPTA	962	11			2212	12	-		" "		" "	
20	1		RM. 2165 LTG/REC	RECEPTA	1201	13	2451			14	2500	H. V. A. C	ROOM 2167 PTAC		20	2
20	1		RM. 2165 RECEPTACLES	RECEPTA	962	15		2212		16	-		" "		" "	
20	1		RM. 2165 RECEPTACLES	RECEPTA	962	17			2212	18	2500	H. V. A. C	ROOM 2169 PTAC		20	2
20	1		RM. 2167 LTG/REC	RECEPTA	1201	19	2451			20	-		" "		" "	
20	1		RM. 2167 RECEPTACLES	RECEPTA	962	21		2212		22	2500	H. V. A. C	ROOM 2171 PTAC		20	2
20	1		RM. 2167 RECEPTACLES	RECEPTA	962	23			2212	24	-		" "		" "	
20	1		RM. 2169 LTG/REC	RECEPTA	1201	25	2451			26	2500	H. V. A. C	ROOM 2173 PTAC		20	2
20	1		RM. 2169 RECEPTACLES	RECEPTA	962	27		2212		28	-		" "		" "	
20	1		RM. 2169 RECEPTACLES	RECEPTA	962	29			2462	30	3000	H. V. A. C	CUH-2.2		30	2
20	1		RM. 2171 LTG/REC	RECEPTA	1201	31	2701			32	-		" "		" "	
20	1		RM. 2171 RECEPTACLES	RECEPTA	962	33		962		34	0	SPARE	SPARE		0	1
20	1		RM. 2171 RECEPTACLES	RECEPTA	962	35			962	36	0	SPARE	SPARE		0	1
20	1		RM. 2173 LTG/REC	RECEPTA	1201	37	1201			38	0	SPARE	SPARE		0	1
20	1		RM. 2173 RECEPTACLES	RECEPTA	962	39		962		40	0	SPARE	SPARE		0	1
20	1		RM. 2173 RECEPTACLES	RECEPTA	962	41			962	42	0	SPARE	SPARE		0	1

ALL CONNECTED	KVA	AMPS	* PHASE TOTALS	VA	AMPS	BUS TOTALS	KVA	
TOTAL CONNECTED	42.38	117.6	* A-N	16157.6	134.5	CONNECTED	42.38	DATE: Jun 05, 2003
TOTAL DEMAND	14.69	40.8	* B-N	13004.0	108.3	DEMAND	14.69	TIME: 10:59:49
TOTAL DESIGN	14.69	40.8	* C-N	13262.3	110.4	DESIGN	14.69	

PANEL: PNL A1A SCH | OC DEVICE TYPE: Breaker | ENCLOSURE: NEMA 1 | MAINS(A): MLO | BUS RATING(A): 225
LOCATION: ELECTRICAL RM 0103 | DEVICE FAMILY: Bolt On | MOUNTING: Surface | WIRING: 3-Phase 4-Wire | WITHSTAND(A): 10000
FED FROM: MDP-A BUS | VOLTAGE: 208/120 | FAULT CURRENT(A) 12754

OC AMPS	P	NOTES	DESCRIPTION	DEMAND CODE	VA	CKT	PHASE LOADS VA A	B	C	CKT	VA	DEMAND CODE	DESCRIPTION	NOTES	OC AMPS	P
20	1	EXISTING	BASEMENT LTG&RCP	LIGHTIN	800	1	1641			2	841	PLUMBIN	DH-1	EXISTING	20	1
20	1	EXISTING	BASEMENT LTG&RCP	LIGHTIN	800	3		1400		4	600	H. V. A. C	EF-2.6, UH-2.2-2.4	EXISTING	20	1
20	1	EXISTING	BASEMENT LTG&RCP	LIGHTIN	800	5			1665	6	865	H. V. A. C	FCU-2.1	EXISTING	15	1
20	1	EXISTING	TIME CLOCK	LIGHTIN	180	7	1428			8	2496	H. V. A. C	EF-2.5	EXISTING	20	2
35	2	EXISTING	ACCU-2.3	H. V. A. C	3750	9		3123		10	-		" "		" "	
" "			" "		-	11			1875	12	0		SPACE		0	1
35	2	EXISTING	ACCU-2.4	H. V. A. C	3750	13	3076			14	1201	PLUMBIN	SP-2	EXISTING	20	1
" "			" "		-	15		3076		16	1201	PLUMBIN	SP-4	EXISTING	20	1
35	2	EXISTING	ACCU-2.5	H. V. A. C	3750	17			1875	18	0		SPACE		0	1
" "			" "		-	19	1875			20	0		SPACE		0	1
35	2	EXISTING	ACCU-2.6	H. V. A. C	3750	21		2125		22	500	BUILDIN	ELEV 1-CP	EXISTING	20	2
" "			" "		-	23			2125	24	-		" "		" "	
0	1		SPACE		0	25	250			26	500	BUILDIN	ELEV 2-CP	EXISTING	20	2
0	1		SPACE		0	27		250		28	-		" "		" "	
0	1		SPACE		0	29			450	30	450	LIGHTIN	EXTERIOR LIGHTING		20	1
0	1		SPACE		0	31	0			32	0		SPACE		0	1
20	1	EXISTING	EXTERIOR LTG	LIGHTIN	1300	33		1300		34	0		SPACE		0	1
0	1		SPACE		0	35			0	36	0	SPARE	SPARE		20	1
0	1		SPACE		0	37	0			38	0	SPARE	SPARE		20	1
0	1		SPACE		0	39		0		40	0	SPARE	SPARE		20	1
0	1		SPACE		0	41			0	42	0	SPARE	SPARE		20	1

ALL CONNECTED	KVA	AMPS	* PHASE TOTALS	VA	AMPS	BUS TOTALS	KVA	
TOTAL CONNECTED	27.53	76.4	* A-N	8314.6	69.2	CONNECTED	27.53	DATE: Jun 05, 2003
TOTAL DEMAND	15.71	43.6	* B-N	11280.1	93.9	DEMAND	15.71	TIME: 10:59:47
TOTAL DESIGN	16.79	46.6	* C-N	8083.3	67.3	DESIGN	16.79	

EXISTING PANEL, PROVIDE NEW BREAKERS

I hereby certify this drawing was prepared by me or under my direct supervision and that I am a duly registered architect under the laws of the State of Minnesota.

For: Mead & Hunt
By: [signature]
Title: Project Manager
Registration No: 22452

ALL SCALES SHOWN ARE BASED ON A STANDARD DRAWING SIZE OF 28" X 40" OR METRIC DRAWING SIZE OF 841mm X 594mm. IF ANY OTHER SIZE DRAWINGS ARE FURNISHED OR PLOTTED THE CONTRACTOR SHALL ADJUST THE SCALES ACCORDINGLY. THE CONTRACTOR SHALL ALSO ADVISE HIS SUB-CONTRACTORS OF THE ABOVE.

Revisions

Symbol	Descriptions	Date	Approved

Architect: ARCHITECTURAL ALLIANCE, MINNEAPOLIS, MINNESOTA
Engineer: MEAD & HUNT, MADISON, WISCONSIN
U.S. ARMY ENGINEER DISTRICT, CORPS OF ENGINEERS, OMAHA, NEBRASKA

Designed by: NWE
Drawn by: NWE
Checked by: REC
Reviewed by:
Submitted by:

MINNEAPOLIS-ST.PAUL AFR — MINNESOTA

CONSOLIDATED LODGING FACILITY
– PHASE FOUR –

PANEL SCHEDULES

Plot Scale Ratio: 1:1 | Date: DECEMBER 2003 | Sheet reference number:
Design File: 10058E711.dwg
Spec. No.: W9128F-04-B-0002 | Drawing Code: AF 721-315-04 | E7.11
Contract No.: W9128F-04-C-XXXX

QJKL-990011P4

PANEL: PNL-A3H SCH	OC DEVICE TYPE: Breaker	ENCLOSURE: NEMA 1	MAINS(A): BKR	BUS RATING(A): 225
LOCATION: CORRIDOR 3160	DEVICE FAMILY: Bolt On	MOUNTING: Flush	WIRING: 3-Phase 4-Wire	WITHSTAND(A): 10000
FED FROM: PNL A3M		VOLTAGE: 208/120		FAULT CURRENT(A) 3460

OC AMPS P	NOTES	DESCRIPTION	DEMAND CODE	VA	CKT	PHASE LOADS VA A	B	C	CKT	VA	DEMAND CODE	DESCRIPTION	NOTES	OC AMPS P
20 1		RM. 3162 LTG/REC	RECEPTA	1201	1	2451			2	2500	H. V. A. C	ROOM 3162 PTAC		20 2
20 1		RM. 3162 RECEPTACLES	RECEPTA	962	3		2212		4	-		""		""
20 1		RM. 3162 RECEPTACLES	RECEPTA	962	5			2212	6	2500	H. V. A. C	ROOM 3164 PTAC		20 2
20 1		RM. 3164 LTG/REC	RECEPTA	1201	7	2451			8	-		""		""
20 1		RM. 3164 RECEPTACLES	RECEPTA	962	9		2212		10	2500	H. V. A. C	ROOM 3166 PTAC		20 2
20 1		RM. 3164 RECEPTACLES	RECEPTA	962	11			2212	12	-		""		""
20 1		RM. 3166 LTG/REC	RECEPTA	1201	13	2451			14	2500	H. V. A. C	ROOM 3168 PTAC		20 2
20 1		RM. 3166 RECEPTACLES	RECEPTA	962	15		2212		16	-		""		""
20 1		RM. 3166 RECEPTACLES	RECEPTA	962	17			2212	18	2500	H. V. A. C	ROOM 3170 PTAC		20 2
20 1		RM. 3168 LTG/REC	RECEPTA	1201	19	2451			20	-		""		""
20 1		RM. 3168 RECEPTACLES	RECEPTA	962	21		2212		22	2500	H. V. A. C	ROOM 3172 PTAC		20 2
20 1		RM. 3168 RECEPTACLES	RECEPTA	962	23			2212	24	-		""		""
20 1		RM. 3170 LTG/REC	RECEPTA	1201	25	2451			26	2500	H. V. A. C	ROOM 3174 PTAC		20 2
20 1		RM. 3170 RECEPTACLES	RECEPTA	962	27		2212		28	-		""		""
20 1		RM. 3170 RECEPTACLES	RECEPTA	962	29			2162	30	1200	LIGHTIN	CORRIDOR LGTS		20 1
20 1		RM. 3172 LTG/REC	RECEPTA	1201	31	1201			32	0	SPARE	SPARE		20 1
20 1		RM. 3172 RECEPTACLES	RECEPTA	962	33		1922		34	960	RECEPTA	CORRIDOR REC.		20 1
20 1		RM. 3172 RECEPTACLES	RECEPTA	962	35			1922	36	960	RECEPTA	CORRIDOR REC.		20 1
20 1		RM. 3174 LTG/REC	RECEPTA	1201	37	1201			38	0	SPARE	SPARE		0 1
20 1		RM. 3174 RECEPTACLES	RECEPTA	962	39		962		40	0	SPARE	SPARE		0 1
20 1		RM. 3174 RECEPTACLES	RECEPTA	962	41			962	42	0	SPARE	SPARE		0 1

ALL CONNECTED	KVA	AMPS	* PHASE TOTALS	VA	AMPS	BUS TOTALS	KVA		
TOTAL CONNECTED	42. 50	118. 0	* A-N	14674. 8	122. 2	CONNECTED	42. 50	DATE:	Jun 05, 2003
TOTAL DEMAND	15. 02	41. 7	* B-N	13962. 7	116. 3	DEMAND	15. 02	TIME:	10: 59: 51
TOTAL DESIGN	15. 32	42. 5	* C-N	13894. 0	115. 7	DESIGN	15. 32		

PANEL: PNL-A4J SCH	OC DEVICE TYPE: Breaker	ENCLOSURE: NEMA 1	MAINS(A): BKR	BUS RATING(A): 225
LOCATION: CORRIDOR 4160	DEVICE FAMILY: Bolt On	MOUNTING: Flush	WIRING: 3-Phase 4-Wire	WITHSTAND(A): 10000
FED FROM: PNL A4M		VOLTAGE: 208/120		FAULT CURRENT(A) 2529

OC AMPS P	NOTES	DESCRIPTION	DEMAND CODE	VA	CKT	PHASE LOADS VA A	B	C	CKT	VA	DEMAND CODE	DESCRIPTION	NOTES	OC AMPS P
20 1		RM. 4161 LTG/REC	RECEPTA	1201	1	2451			2	2500	H. V. A. C	ROOM 4161 PTAC		20 2
20 1		RM. 4161 RECEPTACLES	RECEPTA	962	3		2212		4	-		""		""
20 1		RM. 4161 RECEPTACLES	RECEPTA	962	5			2212	6	2500	H. V. A. C	ROOM 4163 PTAC		20 2
20 1		RM. 4163 LTG/REC	RECEPTA	1201	7	2451			8	-		""		""
20 1		RM. 4163 RECEPTACLES	RECEPTA	962	9		2212		10	2500	H. V. A. C	ROOM 4165 PTAC		20 2
20 1		RM. 4163 RECEPTACLES	RECEPTA	962	11			2212	12	-		""		""
20 1		RM. 4165 LTG/REC	RECEPTA	1201	13	2451			14	2500	H. V. A. C	ROOM 4167 PTAC		20 2
20 1		RM. 4165 RECEPTACLES	RECEPTA	962	15		2212		16	-		""		""
20 1		RM. 4165 RECEPTACLES	RECEPTA	962	17			2212	18	2500	H. V. A. C	ROOM 4169 PTAC		20 2
20 1		RM. 4167 LTG/REC	RECEPTA	1201	19	2451			20	-		""		""
20 1		RM. 4167 RECEPTACLES	RECEPTA	962	21		2212		22	2500	H. V. A. C	ROOM 4171 PTAC		20 2
20 1		RM. 4167 RECEPTACLES	RECEPTA	962	23			2212	24	-		""		""
20 1		RM. 4169 LTG/REC	RECEPTA	1201	25	2451			26	2500	H. V. A. C	ROOM 4173 PTAC		20 2
20 1		RM. 4169 RECEPTACLES	RECEPTA	962	27		2212		28	-		""		""
20 1		RM. 4169 RECEPTACLES	RECEPTA	962	29			2462	30	3000	H. V. A. C	CUH-2. 4		30 2
20 1		RM. 4171 LTG/REC	RECEPTA	1201	31	2701			32	-		""		""
20 1		RM. 4171 RECEPTACLES	RECEPTA	962	33		1490		34	528	H. V. A. C	EF-2. 3	1/6 HP	20 1
20 1		RM. 4171 RECEPTACLES	RECEPTA	962	35			962	36	0	SPARE	SPARE		0 1
20 1		RM. 4173 LTG/REC	RECEPTA	1201	37	1201			38	0	SPARE	SPARE		0 1
20 1		RM. 4173 RECEPTACLES	RECEPTA	962	39		962		40	0	SPARE	SPARE		0 1
20 1		RM. 4173 RECEPTACLES	RECEPTA	962	41			962	42	0	SPARE	SPARE		0 1

ALL CONNECTED	KVA	AMPS	* PHASE TOTALS	VA	AMPS	BUS TOTALS	KVA		
TOTAL CONNECTED	42. 90	119. 1	* A-N	16157. 6	134. 5	CONNECTED	42. 90	DATE:	Jun 05, 2003
TOTAL DEMAND	14. 93	41. 4	* B-N	13531. 6	112. 7	DEMAND	14. 93	TIME:	10: 59: 52
TOTAL DESIGN	14. 93	41. 4	* C-N	13262. 3	110. 4	DESIGN	14. 93		

PANEL: PNL-A3J SCH	OC DEVICE TYPE: Breaker	ENCLOSURE: NEMA 1	MAINS(A): BKR	BUS RATING(A): 225
LOCATION: CORRIDOR 3160	DEVICE FAMILY: Bolt On	MOUNTING: Flush	WIRING: 3-Phase 4-Wire	WITHSTAND(A): 10000
FED FROM: PNL A3M		VOLTAGE: 208/120		FAULT CURRENT(A) 2543

OC AMPS P	NOTES	DESCRIPTION	DEMAND CODE	VA	CKT	PHASE LOADS VA A	B	C	CKT	VA	DEMAND CODE	DESCRIPTION	NOTES	OC AMPS P
20 1		RM. 3161 LTG/REC	RECEPTA	1201	1	2451			2	2500	H. V. A. C	ROOM 3161 PTAC		20 2
20 1		RM. 3161 RECEPTACLES	RECEPTA	962	3		2212		4	-		""		""
20 1		RM. 3161 RECEPTACLES	RECEPTA	962	5			2212	6	2500	H. V. A. C	ROOM 3163 PTAC		20 2
20 1		RM. 3163 LTG/REC	RECEPTA	1201	7	2451			8	-		""		""
20 1		RM. 3163 RECEPTACLES	RECEPTA	962	9		2212		10	2500	H. V. A. C	ROOM 3165 PTAC		20 2
20 1		RM. 3163 RECEPTACLES	RECEPTA	962	11			2212	12	-		""		""
20 1		RM. 3165 LTG/REC	RECEPTA	1201	13	2451			14	2500	H. V. A. C	ROOM 3167 PTAC		20 2
20 1		RM. 3165 RECEPTACLES	RECEPTA	962	15		2212		16	-		""		""
20 1		RM. 3165 RECEPTACLES	RECEPTA	962	17			2212	18	2500	H. V. A. C	ROOM 3169 PTAC		20 2
20 1		RM. 3167 LTG/REC	RECEPTA	1201	19	2451			20	-		""		""
20 1		RM. 3167 RECEPTACLES	RECEPTA	962	21		2212		22	2500	H. V. A. C	ROOM 3171 PTAC		20 2
20 1		RM. 3167 RECEPTACLES	RECEPTA	962	23			2212	24	-		""		""
20 1		RM. 3169 LTG/REC	RECEPTA	1201	25	2451			26	2500	H. V. A. C	ROOM 3173 PTAC		20 2
20 1		RM. 3169 RECEPTACLES	RECEPTA	962	27		2212		28	-		""		""
20 1		RM. 3169 RECEPTACLES	RECEPTA	962	29			2462	30	3000	H. V. A. C	CUH-2. 3		30 2
20 1		RM. 3171 LTG/REC	RECEPTA	1201	31	2701			32	-		""		""
20 1		RM. 3171 RECEPTACLES	RECEPTA	962	33		962		34	0	SPARE	SPARE		0 1
20 1		RM. 3171 RECEPTACLES	RECEPTA	962	35			962	36	0	SPARE	SPARE		0 1
20 1		RM. 3173 LTG/REC	RECEPTA	1201	37	1201			38	0	SPARE	SPARE		0 1
20 1		RM. 3173 RECEPTACLES	RECEPTA	962	39		962		40	0	SPARE	SPARE		0 1
20 1		RM. 3173 RECEPTACLES	RECEPTA	962	41			962	42	0	SPARE	SPARE		0 1

ALL CONNECTED	KVA	AMPS	* PHASE TOTALS	VA	AMPS	BUS TOTALS	KVA		
TOTAL CONNECTED	42. 38	117. 6	* A-N	16157. 6	134. 5	CONNECTED	42. 38	DATE:	Jun 05, 2003
TOTAL DEMAND	14. 69	40. 8	* B-N	13004. 0	108. 3	DEMAND	14. 69	TIME:	10: 59: 51
TOTAL DESIGN	14. 69	40. 8	* C-N	13262. 3	110. 4	DESIGN	14. 69		

PANEL: PNL-A4H SCH	OC DEVICE TYPE: Breaker	ENCLOSURE: NEMA 1	MAINS(A): BKR	BUS RATING(A): 225
LOCATION: CORRIDOR 4160	DEVICE FAMILY: Bolt On	MOUNTING: Flush	WIRING: 3-Phase 4-Wire	WITHSTAND(A): 10000
FED FROM: PNL A4M		VOLTAGE: 208/120		FAULT CURRENT(A) 3433

OC AMPS P	NOTES	DESCRIPTION	DEMAND CODE	VA	CKT	PHASE LOADS VA A	B	C	CKT	VA	DEMAND CODE	DESCRIPTION	NOTES	OC AMPS P
20 1		RM. 4162 LTG/REC	RECEPTA	1201	1	2451			2	2500	H. V. A. C	ROOM 4162 PTAC		20 2
20 1		RM. 4162 RECEPTACLES	RECEPTA	962	3		2212		4	-		""		""
20 1		RM. 4162 RECEPTACLES	RECEPTA	962	5			2212	6	2500	H. V. A. C	ROOM 4164 PTAC		20 2
20 1		RM. 4164 LTG/REC	RECEPTA	1201	7	2451			8	-		""		""
20 1		RM. 4164 RECEPTACLES	RECEPTA	962	9		2212		10	2500	H. V. A. C	ROOM 4166 PTAC		20 2
20 1		RM. 4164 RECEPTACLES	RECEPTA	962	11			2212	12	-		""		""
20 1		RM. 4166 LTG/REC	RECEPTA	1201	13	2451			14	2500	H. V. A. C	ROOM 4168 PTAC		20 2
20 1		RM. 4166 RECEPTACLES	RECEPTA	962	15		2212		16	-		""		""
20 1		RM. 4166 RECEPTACLES	RECEPTA	962	17			2212	18	2500	H. V. A. C	ROOM 4170 PTAC		20 2
20 1		RM. 4168 LTG/REC	RECEPTA	1201	19	2451			20	-		""		""
20 1		RM. 4168 RECEPTACLES	RECEPTA	962	21		2212		22	2500	H. V. A. C	ROOM 4172 PTAC		20 2
20 1		RM. 4168 RECEPTACLES	RECEPTA	962	23			2212	24	-		""		""
20 1		RM. 4170 LTG/REC	RECEPTA	1201	25	2451			26	2500	H. V. A. C	ROOM 4174 PTAC		20 2
20 1		RM. 4170 RECEPTACLES	RECEPTA	962	27		2212		28	-		""		""
20 1		RM. 4170 RECEPTACLES	RECEPTA	962	29			2162	30	1200	LIGHTIN	CORRIDOR LGTS		20 1
20 1		RM. 4172 LTG/REC	RECEPTA	1201	31	1201			32	0	SPARE	SPARE		20 1
20 1		RM. 4172 RECEPTACLES	RECEPTA	962	33		1922		34	960	RECEPTA	CORRIDOR REC.		20 1
20 1		RM. 4172 RECEPTACLES	RECEPTA	962	35			1922	36	960	RECEPTA	CORRIDOR REC.		20 1
20 1		RM. 4174 LTG/REC	RECEPTA	1201	37	1201			38	0	SPARE	SPARE		0 1
20 1		RM. 4174 RECEPTACLES	RECEPTA	962	39		962		40	0	SPARE	SPARE		0 1
20 1		RM. 4174 RECEPTACLES	RECEPTA	962	41			962	42	0	SPARE	SPARE		0 1

ALL CONNECTED	KVA	AMPS	* PHASE TOTALS	VA	AMPS	BUS TOTALS	KVA		
TOTAL CONNECTED	42. 50	118. 0	* A-N	14674. 8	122. 2	CONNECTED	42. 50	DATE:	Jun 05, 2003
TOTAL DEMAND	15. 02	41. 7	* B-N	13962. 7	116. 3	DEMAND	15. 02	TIME:	10: 59: 52
TOTAL DESIGN	15. 32	42. 5	* C-N	13894. 0	115. 7	DESIGN	15. 32		

I hereby certify this drawing was prepared by me or under my direct supervision and that I am a duly registered architect under the laws of the State of Minnesota.

For: Mead & Hunt
By: [signature]
Title: Project Manager
Registration No: 22452

ALL SCALES SHOWN ARE BASED ON A STANDARD DRAWING SIZE OF 28" X 40" OR METRIC DRAWING SIZE OF 841mm X 594mm. IF ANY OTHER SIZE DRAWINGS ARE FURNISHED OR PLOTTED THE CONTRACTOR SHALL ADJUST THE SCALES ACCORDINGLY. THE CONTRACTOR SHALL ALSO ADVISE HIS SUB-CONTRACTORS OF THE ABOVE.

Revisions

Symbol	Descriptions	Date	Approved

Architect: ARCHITECTURAL ALLIANCE MINNEAPOLIS, MINNESOTA

Engineer: MEAD & HUNT MADISON, WISCONSIN

U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS OMAHA, NEBRASKA

Designed by: NWE
Drawn by: NWE
Checked by: REC
Reviewed by: [initial]
Submitted by:

MINNEAPOLIS-ST.PAUL AFR MINNESOTA

CONSOLIDATED LODGING FACILITY
- PHASE FOUR -

PANEL SCHEDULES

Plot Scale Ratio: 1:1
Design File: 10058E712.dwg
Date: DECEMBER 2003
Spec. No.: W9128F-04-B-0002
Contract No.: W9128F-04-C-XXXX
Drawing Code: AF 721-315-04
Sheet reference number: E7.12

QJKL-990011P4