Shaw Cable Hunter Court planned UPS-2 addition

NEW FEEDER SCHEDULE

DESIGNATION	DESCRIPTION	RATING (AMPS)	REMARKS
N1	2x(4/C-350MCM Cu-3"c)	650	–
N2	"	395	–
N3	3/C-250MCM Cu-2"c	265	USE OF EQUIV'T Cu. TECK IS ACCEPTABLE
N4	3/C-4/0 AWG Cu-2"c	235	USE OF EQUIV'T Cu. TECK IS ACCEPTABLE
N5	4/C-4/0 AWG Cu-2"c	235	USE OF EQUIV'T Cu. TECK IS ACCEPTABLE
N6	3/C-#2/0 Cu 1 1/2"c	185	USE OF EQUIV'T Cu. TECK IS ACCEPTABLE
N7	4/C-#1 AWG Cu TECK	140	–
N8	3/C-#2 AWG Cu – 1 1/4"c	120	USE OF EQUIV'T Cu. TECK IS ACCEPTABLE
N9	4/C-#3 AWG Cu – 1 1/4"c	105	USE OF EQUIV'T Cu. TECK IS ACCEPTABLE

NOTE: ALL NEW FEEDERS TO BE STRANDED Cu CONDUCTORS RW90 RATED ONLY. (AI NOT APPROVED.)

Date:	Revision No.:	
2007-06-04	3	PROGRESS DESIGN UPDATE
2007-08-03	4	DESIGN UPDATE

AS BUILT & CHANGES

NEW PANEL N

PANEL MW
400A 120/208V 3PH 4W FCN
(SEE PNL SCH.)

400A 3P — Parr 3/0 cu — 100 a3p

125A 3P — N8 — PANEL SB — PANEL SB-B (CORUS)

100A 3P — N9 — PANEL SC (CORUS)

100 A 3P — N8 — PANEL SD (TRAINING) — PANEL SD-B (TRAINING)

100A 3P — N9 — 2C — PANEL ADMIN (HALL)

100A 2P — N8 — 2D — PANEL NCC (OFFICE)

100A 2P — N9 — 2A — PANEL TSR (CLOSET)

100A 2P — N9 — 2B — PANEL TSR

1200A 120/208V 3PH 4W FCN MAINS

600A 3P

Quad 350 mcm cu from splitter to Panel N

1200A

Quad 400 mcm al with 250 mcm Neut

1200/1200A 3P

UTILITY PADMOUNT TRANSFORMER 300KVA 120/208V PH 4W SECONDARY OUTPUT (IMP. Z=4.0%) 21,000A SYM. IC

UTILITY METER

MAIN SERVICE SPLITTER 1200A 3PH 4W

600A 3P — K20

600A 3P — Parr 350 mcm cu — K2

600A 3P SN TRANSFER SWITCH (UPS ELEC. RM)

E1 — 600 A — G — GENERATOR 250KVA /200KW 120/208V 3PH 4W

Parr 350 mcm cu with parr 3/0 cu neutral

600A 3P SN TRANSFER SWITCH (POWER RM)

PARR 350MCM Cu

600A 3P — E1 — G2 — GENERATOR 180KW 120/208V 3PH 4W

PARR 350MCM Cu

N1 — (NEW 600A 3PH 4W FCN THROUGH LUG CABLING) ??

BATTERY CABINET

80 kva Toshiba UPS

CB3 (MIS) — 2x1/0 cu

CB1 (BIS) — 2x1/0 cu

CB2 (MBP) — 12x1/0 cu

DUAL INPUT BY-PASS CABINET

N — 350 mcm cu

UPS 1

200 A 3P — 3/0 cu — UPA — 70 A 2P — UPB

100A 3P — UPS-1A

300 amp

125A 3P — N7 — UPS-1 UPG — IN RVC

200 A 3P — SPARE

125A 3P — N7 — UPS-1 UPD — Beside G3 & UPE in the Head end

300 amp — SPARE BACKFEED RATED

200 A 3P — SPARE

K20 K20 K10

600A 3P N.C. — K10

600A 3P N.O. — K20

KIRK KEY TRANSFER BLOCK

- KEY IS REQUIRED TO CLOSE BREAKER. KEY IS CAPTURED WHEN BREAKER IS CLOSED AND CAN ONLY BE REMOVED WHEN BREAKER IS OPEN.
- TWO K2 KEYS ARE CAPTURED IN TRANSFER BLOCK. INSERT K1 KEY TO REALEASE TWO K2 KEYS – K1 KEY IS THEN CAPTURED IN TRANSFER BLOCK.

K2 K2 K1

600A 3P N.C. — K1

600A 3P N.O. — K2

PANEL G1 (HEADEND)

400A 3PH 4W FCN

400 3P — E4

300A 3p — 350 mcm cu

SPARE — 400 A 3P

300A 3p — 350 mcm cu

SPARE — 250 A 3P

250A 3P

SET Im=2500A

225A 3P

125 A 3P — N7 — EPS-1 G 2 — In RVC adjacent to Bypass

225 A 3P — N5

125 A 3P — N7 — EPS-1 G 3 — PANEL G3 (HEADEND)

EPS-1 G 4 — In RVC North wall

600A 120/208 VOLTS 3PH 4W FCN MAINS

PANEL EPS (POWER ROOM)

EPS-1

Powerware Rm

UPS-2 MOP PANEL

125A 3P — N7 — UPS-2 UPE — Head end North wall — UPS PANEL "UPS 2.1" (HEADEND)

225A 3P

125A 3P — N7 — UPS-2 UPF — Head end East wall — UPS PANEL "UPS 2.2" (HEADEND)

225A 3PH 4W FCN MAINS

125A 3P — N7 — UPS-2 UPH — UPS PANEL "UPS 2.3" — RVC West wall

225A 3P

125A 3P — N7 — UPS-2 UPI — 2-42 circuit tubs with feed through lug kit in RSC North wall

UPS-2

Maint By pass

UPS-2

300A 3P — Parr 1/0 cu

300A 3P — Parr 1/0 cu

200A 3P — N5 — EPS-2 RVC — RVC EPS PANEL 225A 120/208V 3PH FCN MAINS 22KAIC 84-CCT

200A 3P — N5 — G5 Elec rm

600A 120/208 VOLTS 3PH 4W FCN MAINS

225 A 3P — SPARE

PANEL EPS-2 (POWER ROOM)

BATTERY CABINET

80 kva Toshiba UPS

CB3 (MIS) — 2x1/0 cu

CB1 (BIS) — 2x1/0 cu

CB2 (MBP) — N5

DUAL INPUT BY-PASS CABINET

EDITING DONE IN RED
BY KEITH WEMP KILO-WOMP ELECTRIC
REVISED OCTOBER 19 2010