

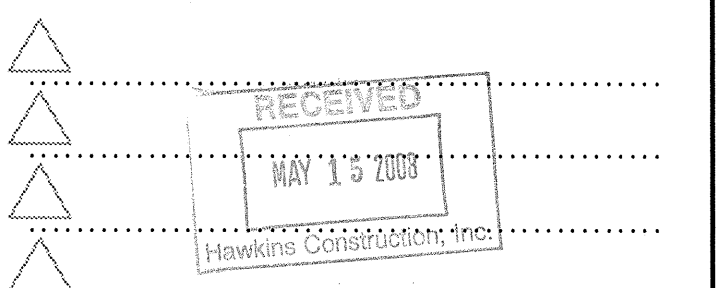
BULLETIN LOG



VANILLA SHELL FOR SPACE W116 BUILDING W WINTER GARDEN VILLAGE
 ISSUED FOR CONSTRUCTION

ISSUE DATE: 04/28/08 ISSUED FOR: PERMIT

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STATE REGISTRATIONS

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WINTER GARDEN VILLAGE BUILDING W

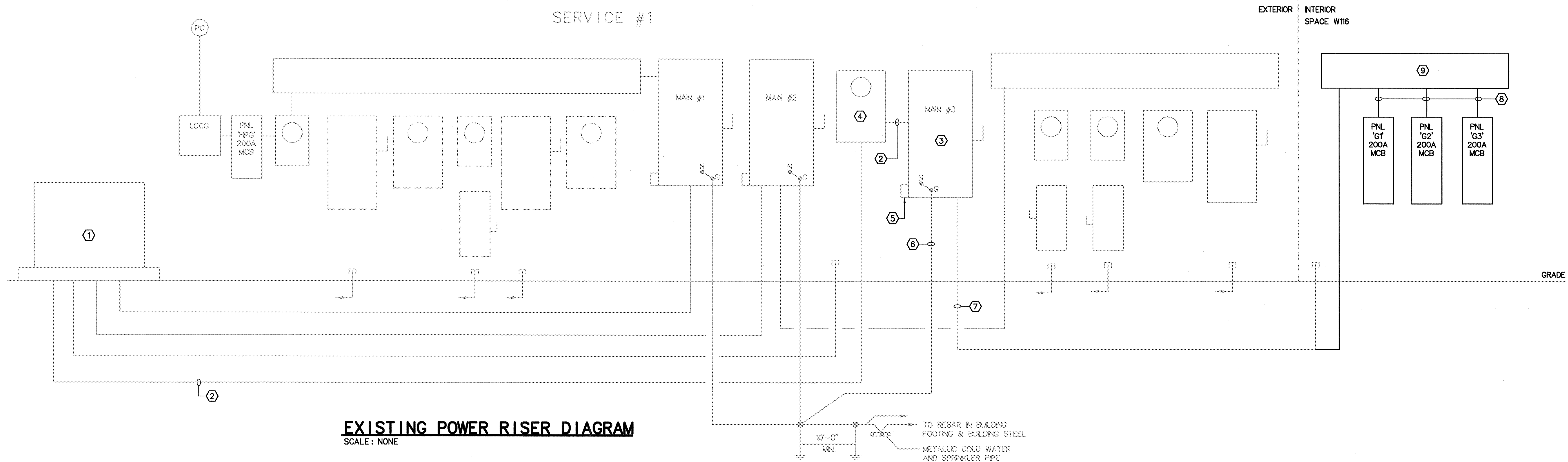
POWER RISER DIAGRAM

PROJECT NUMBER: **4314.5**

DRAWN BY: M/J/WLD CHECKED BY: DS/MP

SCALE: NTS

E4.01
 SHEET NUMBER



SYM.	MANUFACTURER	CATALOG NUMBER	LAMPS	MTG.	REMARKS
A	METALUX COLUMBIA LITHONIA	2GR8-332-A125-120-EBB1 JTR24-332G-FSA12.125-3EB8(QSR)120 2678 3 32 A12125 120 1/3 GEB	(3) F032/741, T8	RECESSED	3 LAMP, 2'x4' TROFFER WITH 0.125" ACRYLIC LENS, ENERGY SAVING LAMPS AND ELECTRONIC BALLAST, 120V.
AE	METALUX COLUMBIA LITHONIA	2GR8-432-A125-120-EBB1 JTR24-432G-FSA12.125-3EB8(QSR)120 2678 4 32 A12125 120 1/3 GEB	(4) F032/741, T8	RECESSED	SAME AS TYPE 'A' EXCEPT WITH 1100 LUMEN MINIMUM, 90 MIN. EMERGENCY BATTERY BALLAST, 120V.
X	PRESCOLLITE SURE-LITES LITHONIA	NV3-REN-W LPX-70-RHH LQM S W 3 R 120/277 EL N	LED BY MFR.	UNIVERSAL MOUNT	UNIVERSAL LED SINGLE/DOUBLE FACE EXIT SIGN, WHITE THERMOPLASTIC CASE WITH RED LETTERS AND 90 MINUTE EMERGENCY BATTERY PACK, 120/277V.

ACCEPTABLE ALTERNATE INTERIOR LIGHTING MANUFACTURER FOR CONSIDERATION IS THOMAS DAYBRIGHT LIGHTING. SUBMITTALS ARE REQUIRED AND SUBJECT TO WRITTEN APPROVAL.

FAULT CURRENT STUDY
 CABLE IMPEDANCE VALUES BASED ON IEEE STD. 241-1990, TABLE 65.
 PROJECT: WINTER GARDEN VILLAGE SPACE W 116 WINTER GARDEN, FL

SYSTEM VOLTAGE: 208 WIRE TYPE CU-1
 ASSUMED BASE KVA: 500 WIRE TYPE AL-2
 UTILITY COMPANY AFC: 69532 PVC CONDUIT
 UTILITY COMPANY X/R RATIO: 12

BUS	SOURCE AFC	SOURCE X/R	WIRE SIZE	WIRE TYPE	# OF RUNS	FEEDER LENGTH	BUS X/R	BUS AFC
MAIN #3	69532	12.00	350	1	2	100	1.93	32542
PNL 'G1'	32542	1.93	3/0	1	1	20	1.31	24390
PNL 'G2'	32542	1.93	3/0	1	1	20	1.31	24390
PNL 'G3'	32542	1.93	3/0	1	1	20	1.31	24390

NOTE:
 THE FAULT CURRENT STUDY ABOVE IS BASED UPON A 500 KVA UTILITY TRANSFORMER. ELECTRICAL CONTRACTOR SHALL CONFIRM UTILITY TRANSFORMER SIZE AND AVAILABLE FAULT CURRENT PRIOR TO ORDERING GEAR. IF UTILITY TRANSFORMER IS DIFFERENT THAN AS INDICATED ABOVE, THE ELECTRICAL CONTRACTOR SHALL CONTACT THE ENGINEER PRIOR TO PROCEEDING FOR SUITABLE AIC RATING. INTEGRATED SERIES RATINGS OF CIRCUIT BREAKERS IS PERMITTED.

- NOTES**
- EXISTING UTILITY COMPANY PAD MOUNTED TRANSFORMER WITH 120/208 VOLT SECONDARY.
 - EXISTING SERVICE LATERAL CONSISTING OF (2) PARALLEL RUNS OF 4" C WITH (4) #350 KCMIL COPPER EACH.
 - EXISTING 600 AMP GENERAL-DUTY, 3 POLE, NEMA 3R, 600 VOLT, SERVICE ENTRANCE RATED, DISCONNECT WITH SOLID NEUTRAL, FUSED AT 600 AMPS.
 - EXISTING 600AMP SELF-CONTAINED OR K-BASE METER SOCKET.
 - EXISTING SECONDARY SURGE ARRESTOR (120/208V, 3 PHASE, 4 WIRE) WITH "OWHX" LISTING.
 - EXISTING GROUNDING ELECTRODE CONDUCTOR TO CONSIST OF #3/0 FROM N-G BOND IN MAIN DISCONNECTS AND EXTENDED UNBROKEN TO TWO (2) 3/4" X 10' L COPPER CLAD STEEL VERTICALLY DRIVEN GROUND RODS, NEAREST BUILDING STEEL BEAM, FOUNDATION STEEL (BELOW DISCONNECT), COLD WATER PIPE AND SPRINKLER RISER (BOTH WITHIN 5FT. OF BUILDING ENTRY) IN ACCORDANCE WITH NEC 250.104.
 - EXISTING (2) PARALLEL 3-1/2" C PROVIDE WITH NEW CONDUCTORS OF (4) #350 KCMIL, 1 #1 EG EACH. EXTEND CONDUIT AS REQUIRED TO PANEL G.
 - 2" C WITH 4 #3/0, 1 #1 EG.
 - 12"X12"X8' NEMA 1 WIREWAY WITH LOCKABLE COVER. BOND WIREWAY TO EG. EXTEND CONDUCTORS FULL LENGTH OF THE WIREWAY AND TAP IN A STAGGERED FASHION.
- GENERAL NOTES**
- "LIGHT" DEVICES ARE EXISTING, "BOLD" DEVICES ARE NEW OR RELOCATED. CONTRACTOR SHALL REMOVE AND REPLACE TO ACCOMMODATE ARCHITECTURAL RENOVATIONS.
 - REFER TO FAULT CURRENT STUDY THIS SHEET FOR AVAILABLE FAULT CURRENT AT EACH PANEL (BUS AFC). EC TO ENSURE PANELBOARDS ARE SUITABLE FOR FAULT CURRENT ENVIRONMENT (BUS AFC). SERIES RATINGS WITH UPSTREAM DEVICES WILL BE ACCEPTED.
 - PROVIDE ENGRAVED PLASTIC LAMINATED SIGNS TO IDENTIFY MAINS AND SUITE NUMBERS.

