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NAVSEA SSC
OFFICE AREA

TEXTRON MARINE
LAND SYSTEMS
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ELECTRICAL
POWER
PLAN

REV:

SCALE: AS NOTED

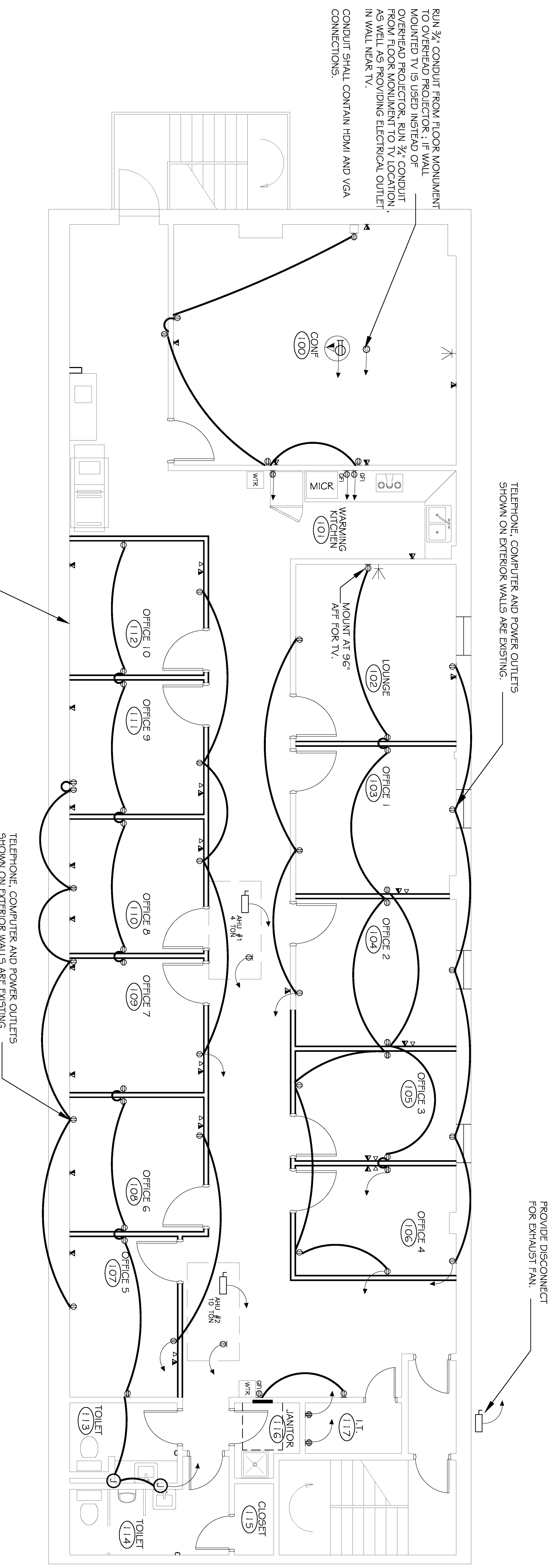
JOB#: 2120

DATE: 9/19/2011

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OF 8

E-1



POWER PLAN
SCALE: 1/4" = 1'-0"

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, THE GOVERNING ELECTRICAL CODE, AND ALL OTHER INSPECTION DEPARTMENTS HAVING JURISDICTION. OBTAIN CERTIFICATES OR APPROVAL WHERE REQUIRED.
2. ALL MATERIALS FURNISHED SHALL BE NEW AND SHALL BE U.L. LISTED.
3. THE DRAWINGS INDICATE SIZE AND GENERAL LOCATION OF WORK. SCALE DIMENSIONS SHALL NOT BE USED. THE EXACT LOCATION AND ELEVATION OF ALL LIGHTING FIXTURES, RECEPTACLES AND TELEPHONE OUTLETS, ETC. SHALL BE DETERMINED BY ACTUAL CONDITIONS IN THE FIELD, UNLESS NOTED OTHERWISE.
4. PRIOR TO BIDDING, CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS.
5. ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES AND WITH OTHER CONTRACTORS WHOSE WORK MAY AFFECT THIS INSTALLATION.
6. WHERE MORE THAN ONE SWITCH OCCURS IN THE SAME LOCATION, THEY SHALL BE INSTALLED IN A GANG TYPE BOX UNDER ONE COVER PLATE.
7. ELECTRICAL CONTRACTOR, BEFORE INSTALLING ANY OF THE WORK, SHALL SEE THAT IT DOES NOT INTERFERE WITH CLEARANCES REQUIRED FOR FINISHED COLUMNS, HUNG CEILINGS, PLASTER, PARTITIONS, WALLS, ETC., AS SHOWN IN THE ARCHITECTURAL DRAWINGS AND DETAILS. IF ANY WORK IS INSTALLED AND IT LATER DEVELOPS THAT SUCH DETAILS OR DESIGN CANNOT BE FOLLOWED, THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL MAKE SUCH CHANGES IN THE WORK AS DIRECTED BY THE ARCHITECT. AS WELL AS TO PERMIT THE INSTALLATION OF THE ARCHITECTURAL WORK AS SHOWN ON THE PLANS AND DETAILS.
8. PERFORM TEST REQUIRED BY THE OWNER OR THE ENGINEER IN CONNECTION WITH THE OPERATION OF THE ELECTRICAL SYSTEM IN THE BUILDING.
9. ALL TESTS SHALL BE MADE IN ACCORDANCE WITH THE LATEST STANDARD OF THE IEEE AND THE NATIONAL ELECTRICAL CODE.
10. MINIMUM CONDUCTOR SIZE SHALL BE #12, GOOD INSULATION. MINIMUM SIZE CONDUIT SHALL BE 3/4" EMT FOR INTERIOR USE, AND 3/4" RIGID ALUMINUM FOR EXTERIOR USE. EXTERIOR FITTINGS SHALL BE CAST BOXES AND COVERS. INTERIOR FITTINGS SHALL BE CAST WHERE EXPOSED ON WALLS. STAMPED BOXES MAY BE USED ABOVE CEILINGS IN AIR CONDITIONED SPACES.
11. CONTRACTOR SHALL INSTALL WIRING AND OTHER CIRCUIT COMPONENTS TO MATCH EQUIPMENT ACTUALLY INSTALLED.
12. INSTALL GROUND FAULT RECEPTACLES AT RECEPTACLE LOCATIONS WITHIN 5' OF SINKS OR LAVATORIES, AND AT EXTERIOR LOCATIONS. EXTERIOR RECEPTACLES SHALL ALSO BE WEATHERPROOF. ALL RECEPTACLES IN THE SERVING LINE AREA WILL BE GFI WITH A 5 MILLIAMP TRIP THRESHOLD.
13. BONDING AND GROUNDING SHALL BE IN ACCORDANCE WITH NFPA 70:230-63, NFPA 250-23, 250-71, & 250-72.
14. GROUND NEUTRAL IN ACCORDANCE WITH NFPA 70:250-23b.
15. FUSES SHALL BE TTT CLASS K5, 250 VOLT, 200,000 AMP INTERRUPTING CAP.
16. PROVIDE SERVICES OF A FIRE/SMOKE DETECTION & ALARM COMPANY TO DESIGN & INSTALL ALARM SYSTEM TO MEET REQUIREMENTS OF THE STATE FIRE MARSHALL.
17. ALL ELECTRICAL, MECHANICAL, & PLUMBING PENETRATING FIRE PARTITIONS SHALL BE FIRE CAULKED. (PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM-E814.)

LEGEND	
	DUPLEX OUTLET 20 A, 125 VOLT RECEPTACLE, MOUNT AT 18" A.F.F. TO CENTER, UNLESS NOTED OTHERWISE.
	GROUND FAULT INTERRUPTER
	QUAD DUPLEX OUTLET 20 A, 125 VOLT RECEPTACLE, MOUNT AT 18" A.F.F. TO CENTER, UNLESS NOTED OTHERWISE.
	FLOOR MONUMENT WITH POWER, DATA, COMPUTER AND TELEPHONE CONNECTION.
	CEILING MOUNTED OUTLET FOR OVERHEAD PROJECTOR.
	TELEPHONE, E.C. SHALL VERIFY NUMBER OF DROPS AND EXACT LOCATION OF DROPS WITH OWNER PRIOR TO ROUGH-IN.
	COMPUTER, E.C. SHALL VERIFY NUMBER OF DROPS AND EXACT LOCATION OF DROPS WITH OWNER PRIOR TO ROUGH-IN.
	TELEVISION CABLE CONNECTION, E.C. SHALL VERIFY NUMBER OF DROPS AND EXACT LOCATION OF DROPS WITH OWNER PRIOR TO ROUGH-IN.
	SINGLE POLE 20A COMMERCIAL GRADE LIGHT SWITCH.
	MOTION SENSOR IN RESTROOM.
	DISCONNECT SWITCH.
	JUNCTION BOXES SHOWN THIS PAGE FOR CONNECTION TO HANDS FREE FLUSH-O-METER, EXISTING 120/208V 100A 1Ø POWER PANEL.