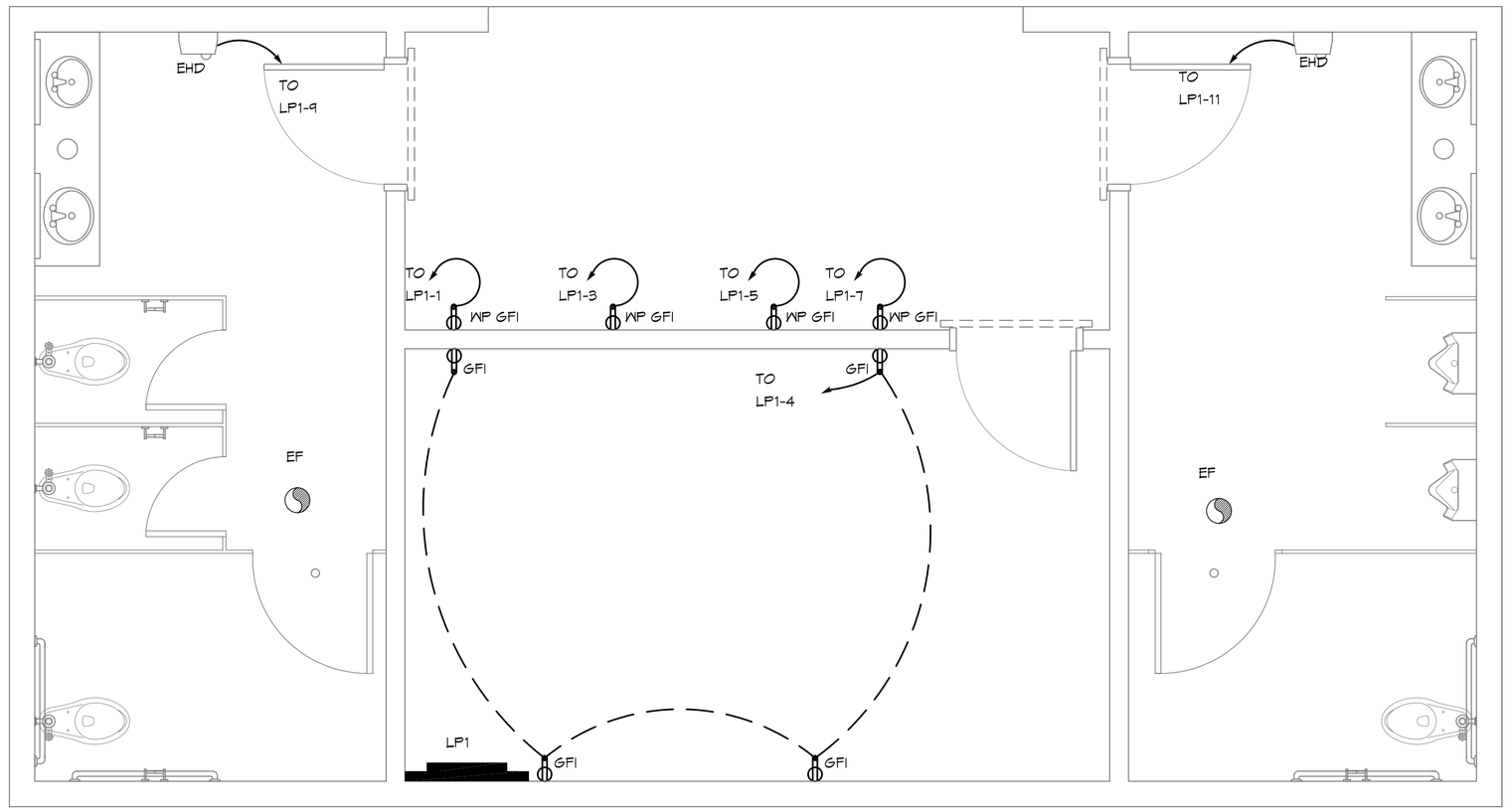
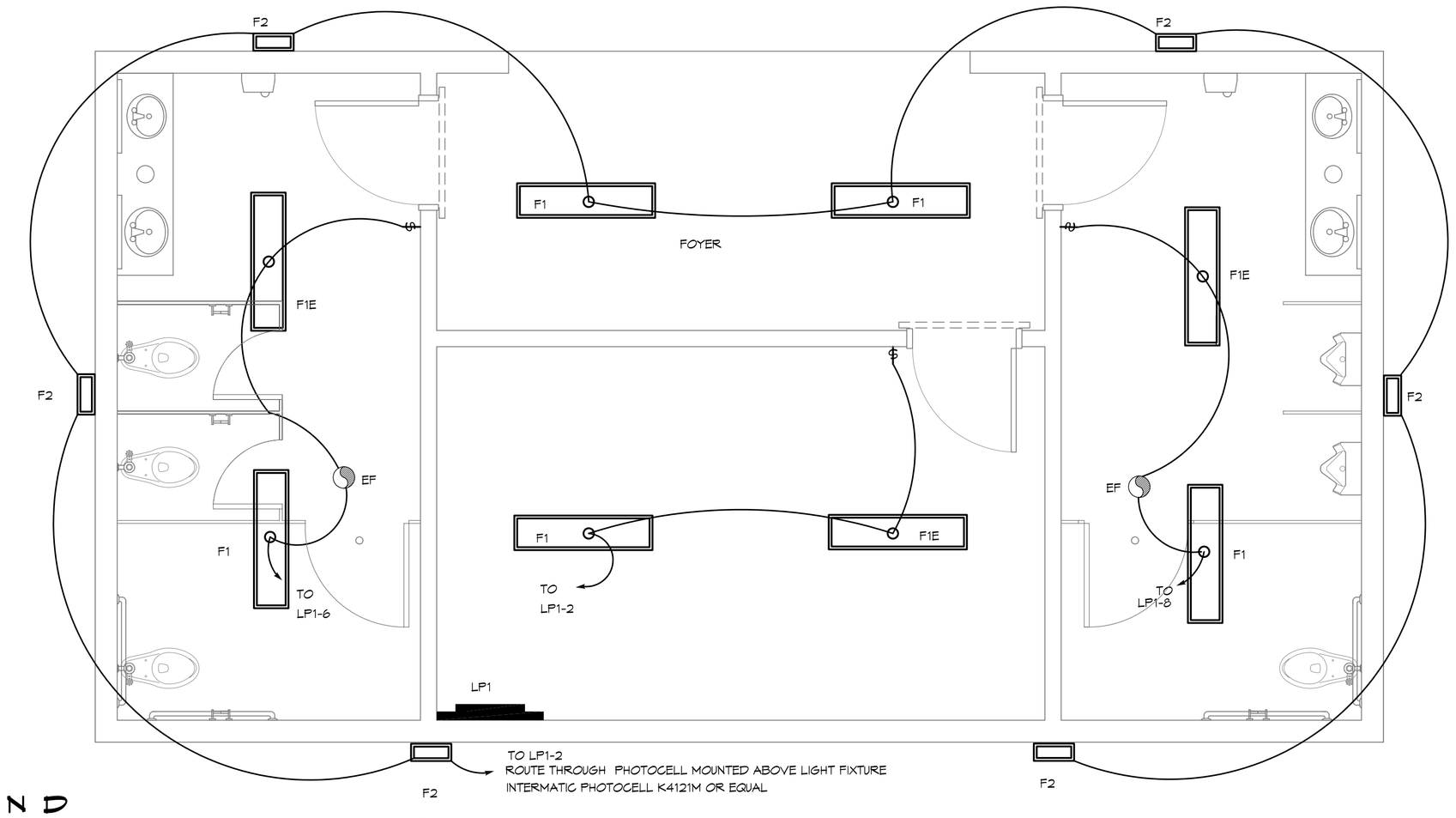


2 ELECTRICAL PLAN - POWER
SCALE: 3/8" = 1'-0"



1 ELECTRICAL PLAN - LIGHTING
SCALE: 3/8" = 1'-0"

LEGEND

- GFI — GFI RECEPTACLE 20A 120V AT 36" A.F.F.
- $ — FLUSH MOUNTED LIGHT SWITCH WITH STAINLESS STEEL DEVICE PLATE, 120V 20A, MOUNT CENTER @48" A.F.F.
- EF — CEILING EXHAUST FAN
- EHD — ELECTRIC HAND DRYER; WORLD DRYER, MODEL DA52-973 OR EQUAL
- POWER PANEL

LIGHTING FIXTURE SCHEDULE

MARK	DESCRIPTION
F1	SURFACE MOUNTED 1'X4' FLUORESCENT LIGHT FIXTURE (2 BULB), TAMPER RESISTANT AND SUITABLE FOR DAMP LOCATIONS; FM3X 3 32 12LD MVOLT GEB101S OR EQUAL
F1E	SURFACE MOUNTED 1'X4' FLUORESCENT LIGHT FIXTURE (2 BULB), TAMPER RESISTANT AND SUITABLE FOR DAMP LOCATIONS W/ 90 MIN. BACKUP POWER; FM3X 3 32 12LD MVOLT GEB101S OR EQUAL
F2	WALL SCONCE, WITH VANDAL GUARD. WSR-LED 7.00mA SR1 MVOLT SF VG, OR EQUAL, COLOR TO BE SELECTED BY ARCHITECT; MOUNT 12" BELOW SOFFIT. SEE EXTERIOR ELEVATIONS, ON SHEET A-1, FOR MOUNTING LOCATIONS.
EHD	ELECTRIC HAND DRYER, WORLD DRYER, MODEL DA52-973 OR EQUAL.

PANEL: LP-1
LOCATION:
FEEDER SOURCE: CLECO

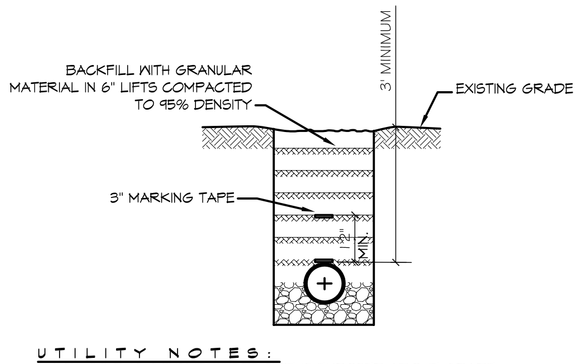
PANEL: 120/240V, 125A 1Φ, 3W; W/100A MAIN BRKR
SURFACE MOUNTED
W/EQUIPMENT GND BAR; 22,000 AIC

CKT. NO.	THHN WIRE SIZE	LOAD DESCRIPTION / LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	A / B	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION / LOCATION	THHN WIRE SIZE	CKT. NO.
1	#12	VENDING MACHINE	15	1	1440		840	1	20	EXTERIOR, FOYER AND STORAGE LIGHTING	#12	2
3	#12	VENDING MACHINE	15	1	1440		840	1	20	STORAGE OUTLETS	#12	4
5	#12	VENDING MACHINE	15	1	1440		550	1	20	WOMENS ROOM FLORESCENT LIGHTING AND EXHAUST FAN	#12	6
7	#12	VENDING MACHINE	15	1	1440		550	1	20	MENS ROOM FLORESCENT LIGHTING AND EXHAUST FAN	#12	8
9	#10	EHD, WOMEN'S	20	1	1725		-	1	20	SPARE	-	10
11	#10	EHD, MEN'S	20	1	1725		-	1	20	SPARE	-	12
13	-	SPACE	-	-	-		-	-	-	SPACE	-	14
15	-	SPACE	-	-	-		-	-	-	SPACE	-	16
17	-	SPARE	-	-	-		-	-	-	SPACE	-	18
19	-	SPACE	-	-	-		-	-	-	SPACE	-	20
21	-	SPACE	-	-	-		-	-	-	SPACE	-	22
23	-	SPACE	-	-	-		-	-	-	SPACE	-	24

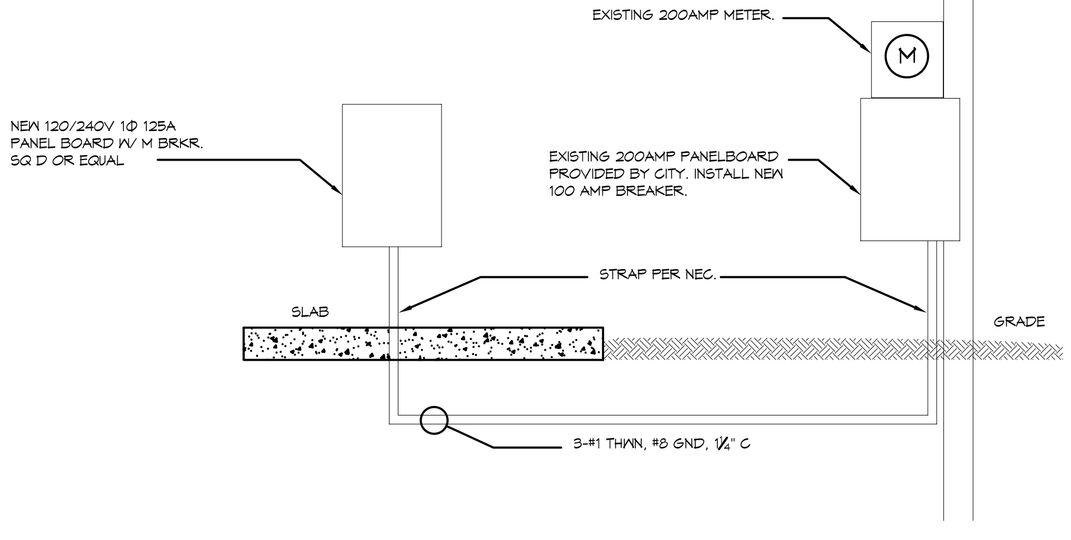
SOLID NEUTRAL
NEUTRAL WIRE (W)

TOTAL CONNECTED LOAD (VA)= 11,790
A=5,985 B=5,785

GROUND BUS
GROUND WIRE (G)



UTILITY NOTES:
1. SCH. 80 PVC CONDUIT WHERE PIPE IS EXPOSED ABOVE GRADE. TRANSITION TO SCH.40 PVC BELOW GRADE. ALL ELBOWS TO BE LONG SWEEP TYPE.



ELECTRICAL 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 LOCATION OF ALL LIGHTING FIXTURES, RECEPTACLES AND TELEPHONE OUTLETS, ETC. SHALL BE DETERMINED BY ACTUAL CONDITIONS IN THE FIELD.
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. ELECTRICAL CONTRACTOR SHALL COORDINATE INCOMING ELECTRICAL SERVICE WITH UTILITY COMPANY AND INCLUDE IN HIS BID ALL CHARGES AND FEES INCURRED IN MODIFICATIONS.
7. WHERE MORE THAN ONE SWITCH OCCURS IN THE SAME LOCATION, THEY SHALL BE INSTALLED IN A GANG TYPE BOX UNDER ONE COVER PLATE.
8. 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.
9. PERFORM TEST REQUIRED BY THE OWNER OR THE ENGINEER IN CONNECTION WITH THE OPERATION OF THE ELECTRICAL SYSTEM IN THE BUILDING.
10. ALL TESTS SHALL BE MADE IN ACCORDANCE WITH THE LATEST STANDARD OF THE IEEE AND THE NATIONAL ELECTRICAL CODE.
11. MINIMUM CONDUCTOR SIZE SHALL BE #12, 600V INSULATION. MINIMUM SIZE CONDUIT SHALL BE ½" EMT FOR INTERIOR USE, AND ¾" RIGID ALUMINUM FOR EXTERIOR USE. USE TYPE MC CABLE COPPER, FOR LIGHTS AND RECEPTACLE CIRCUITS. 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.
12. CONTRACTOR SHALL INSTALL WIRING AND OTHER CIRCUIT COMPONENTS TO MATCH EQUIPMENT ACTUALLY INSTALLED.
13. INSTALL GROUND FAULT RECEPTACLES AT RECEPTACLE LOCATIONS WITHIN 5' OF SINKS OR LAVATORIES, AND AT EXTERIOR LOCATIONS. EXTERIOR RECEPTACLES SHALL ALSO BE WEATHERPROOF.
14. BONDING AND GROUNDING SHALL BE IN ACCORDANCE WITH NFPA 70:230-63, NFPR 250-23, 250-71 & 250-72.
15. GROUND NEUTRAL IN ACCORDANCE WITH NFPA 70:250-23b.
16. FUSES SHALL BE ITT CLASS K5, 250 VOLT, 200,000 AMP INTERRUPTING CAP.
17. EXTERIOR LIGHTING SHALL BE SHADED OR INWARDLY DIRECTED IN SUCH A MANNER SO THAT NO DIRECT LIGHTING OR GLARE IS CAST BEYOND THE PROPERTY LINE. THE INTENSITY OF SUCH LIGHTING SHALL NOT EXCEED ONE FOOT CANDLE AS MEASURED AT THE ABUTTING PROPERTY LINE.
20. ALL ELECTRICAL, MECHANICAL AND 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.)

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#	DESCRIPTION	DATE

REVISIONS

SEAL:

CITY OF SLIDELL
3RD STREET RESTROOMS/ VETERANS PARK IMPROVEMENTS
SLIDELL, LOUISIANA

JOB No:	2170	DATE:	4/2/2014
DRAWN BY:	KJK, DPD	CHECKED BY:	CKD

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SHEET TITLE:
ELECTRICAL POWER AND LIGHTING PLANS

DRAWING NUMBER:
E1

SHEET No: 7 of 8