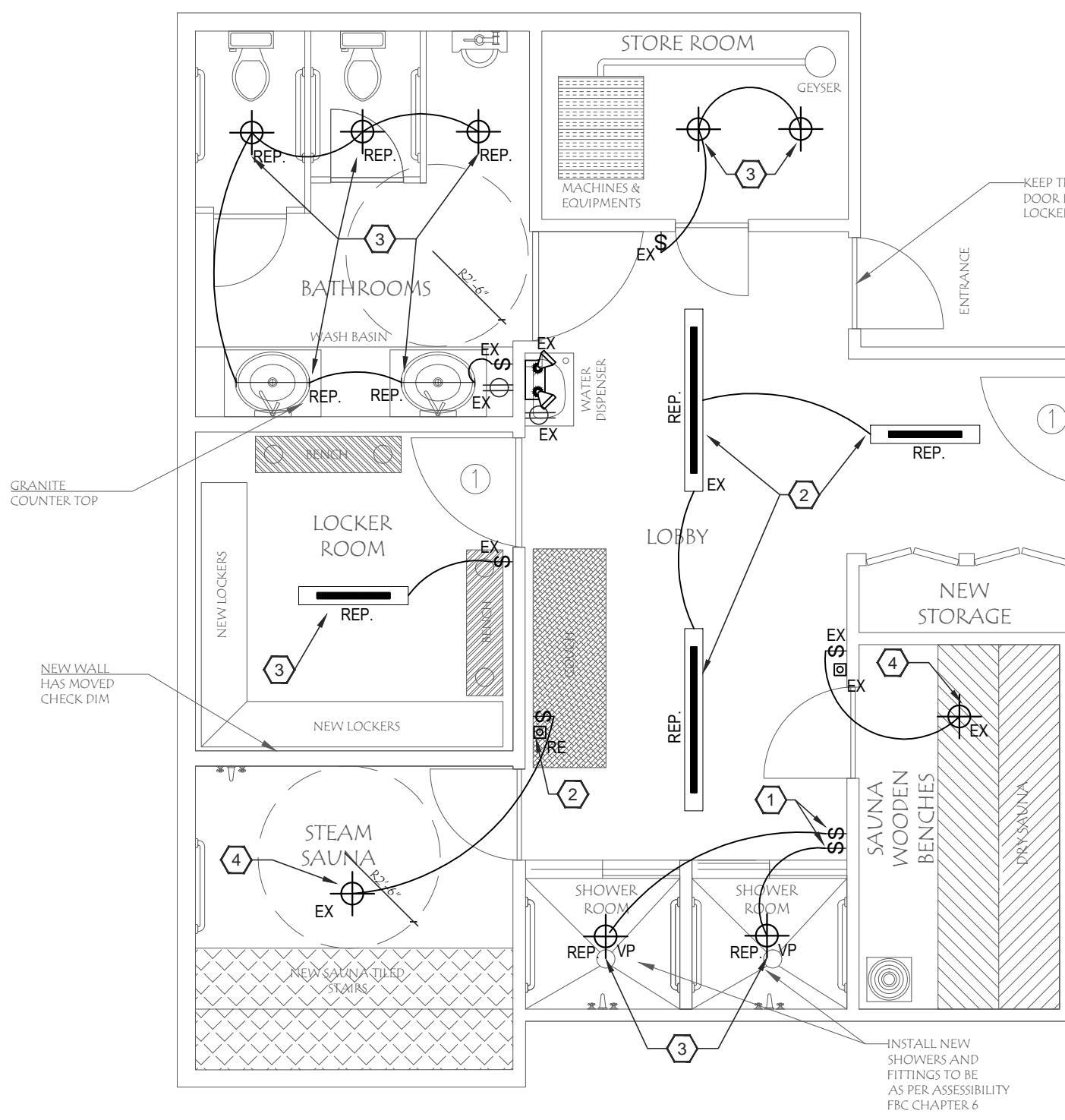


ELECTRICAL GENERAL NOTES:	
1. ALL ELECTRICAL WORK SHALL CONFORM TO 2011 NEC, FBCB (5th EDITION), FFCB (5th EDITION), AND OTHER GOVERNING MUNICIPAL, STATE AND LOCAL CODES WHERE APPLICABLE. ALL MATERIAL SHALL BE NEW AND SHALL BEAR THE UL LABEL WHERE APPLICABLE.	
2. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE AND ACCEPTED BY THE OWNER.	
3. IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. THE CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM AND PROVIDE ALL REQUIREMENTS NECESSARY FOR EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER.	
4. CONTRACTOR SHALL MAKE ALL NECESSARY CUTTING AND DO ALL THE RE-PATCHING AS NECESSARY FOR THE PROPER EXECUTION OF THIS WORK.	
5. AFTER COMPLETION OF THE INSTALLATION, THE SYSTEM SHALL TEST FREE FROM SHORT CIRCUITS AND GROUNDS.	
6. WHERE ELECTRICAL CONDUCTORS ARE INSTALLED IN CONDUIT, THE CONDUIT SHALL COMPLY WITH THE N.E.C. REQUIREMENTS.	
7. ALL CONDUCTORS SHALL BE COPPER. NO CONDUCTOR SHALL BE SMALLER THAN #12 AWG AND SHALL BE RATED FOR 600VOLTS THHN OR THHN INSULATION. INSTALL A GROUNDING CONDUCTOR WITH ALL CIRCUITS, UNLESS NOTED OTHERWISE. SIZED PER N.E.C. 250-122.	
8. PROVIDE FIRE RETARDANT UL APPROVED SEALANT ON ALL PENETRATIONS OF FIRE RATED PARTITIONS, WALLS AND STRUCTURAL SLABS IN ACCORDANCE TO SECTION 714 OF FBCB (5th EDITION). CONTRACTOR TO VERIFY, PRIOR TO SUBMITTING BID, LOCATIONS OF ALL SUCH FIRE RATED PARTITIONS, WALLS AND STRUCTURAL SLABS.	
9. VERIFY BREAKER AND CORRESPONDING WIRE SIZES FOR ALL ELECTRICAL EQUIPMENT. DO NOT ORDER MATERIAL BEFORE VERIFYING BREAKER & WIRE SIZE. REPORT ANY DISCREPANCY IMMEDIATELY TO THE ENGINEER OF RECORD.	
10. SAFETY SWITCHES SHALL BE SQUARE 'D', GENERAL ELECTRIC, OR SIEMENS, FUSED OR NON-FUSED AND SIZED AS INDICATED. NEMA 3R WHEN EXPOSED TO WEATHER	
11. CONTRACTOR SHALL PROVIDE A TYPE WRITTEN DIRECTORY OF EACH PANEL BOARD. HAND WRITTEN DIRECTORY IS NOT ACCEPTABLE, EXCEPT SPARE AND SPACES SHALL BE HANDWRITTEN IN PENCIL.	
12. INSTALL 'BACK TO BACK' BOXES IN RATED WALLS AT LEAST 600MM (24 INCHES) APART MEASURED HORIZONTALLY. OTHERWISE WHERE 'BACK TO BACK' PENETRATIONS IN FIRE RATED ASSEMBLIES ARE LESS THAN 24 INCHES FROM EACH OTHER, PROVIDE UL LISTED COMPOUND APPLIED TO BACK OF THE 'BACK TO BACK' BOXES.	
13. PROVIDE NAMEPLATES FOR ALL PANEL BOARDS, DISCONNECTS, TRANSFORMER, TERMINAL CABINETS AND ALL ELECTRICAL EQUIPMENT IDENTIFIED BY NAME ON DRAWINGS.	
14. ALL ELECTRICAL MATERIALS, DEVICES, APPLIANCES AND EQUIPMENT SHALL BE LABEL LISTED BY AN APPROVED THIRD PARTY TESTING AGENCY.	
15. LOAD DATA IS BASED ON INFORMATION GIVEN ENGINEER AT TIME OF DESIGN. VERIFY ALL EQUIPMENT AND PANEL SIZES BEFORE ORDERING AND BEFORE INSTALLATION.	
16. ALL EXTERIOR ELECTRICAL EQUIPMENT SHALL BE ANCHORED TO COMPLY WITH LOCAL CODE FOR WIND RESISTANCE.	
17. A. WORKING CLEARANCES FOR ELECTRICAL EQUIPMENT SHALL BE IN COMPLIANCE WITH NEC 110.26 B. THE EXCLUSIVELY DEDICATED SPACE EXTENDING FROM FLOOR TO STRUCTURAL CEILING WITH A WIDTH AND DEPTH OF THE PANELBOARD OR SWITCHBOARD MUST BE CLEAR OF ALL PIPING, DUCTS, EQUIPMENT FOREIGN TO THE ELECTRICAL EQUIPMENT OR ARCHITECTURAL APPURTENANCES IN ACCORDANCE WITH NEC 408	
18. ALL ELECTRICAL AND COMMUNICATIONS OUTLETS TO BE AT 15" A.F.F TO BOTTOM OF OUTLET UNLESS OTHERWISE NOTED, ALL LIGHT SWITCHES SHALL BE @ 48" AFF. TO TOP OF SWITCH.	
19. ALL DIMMING MECHANISMS HAVE TO BE COMPATIBLE WITH FIXTURE DIMMING REQUIREMENTS. CONTRACTOR MUST VERIFY ALL DIMMING MECHANISM AND FIXTURE DIMMING REQUIREMENTS BEFORE ANY ORDERING, INSTALLING, OR WIRING OF ANY DIMMING MECHANISMS AND FIXTURES.	
20. THE ELECTRICAL CONTRACTOR SHALL FURNISH A COMPLETE SET OF AS-BUILT DRAWINGS, SHOWING ALL CHANGES AND DEVIATIONS TO THE ARCHITECT/ENGINEER PRIOR TO COMPLETION OF THE PROJECT.	
21. SEAL ALL NEW CONDUIT PENETRATIONS THROUGH FIRE RATED WALLS, CEILINGS, FLOORS, ETC. TO MAINTAIN EXISTING FIRE RATING CONDITIONS. FURNISH AND INSTALL FIRE RATED ENCLOSURES FOR ALL EQUIPMENTS PENETRATING FIRE RATED ENVELOPES, SPACES, ETC. IN ACCORDANCE TO SECTION 714 OF FBCB (5th EDITION).	
22. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO PROVIDE WIRING FOR HVAC SYSTEM, A/C EQUIPMENTS, SMOKE DETECTORS, THERMOSTATS, TEST STATIONS, MOTORIZED VOLUME DAMPERS, ETC. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH MECHANICAL DRAWINGS AND PROVIDE ACCESSORIES ANY OTHER WIRING ELECTRICAL CONTRACTOR TO THOSE AREAS, RELOCATE MECHANICAL PLATE, AND PROVIDE POWER TO ANY MECHANICAL EQUIPMENT OR DEVICE THAT IS NOT SHOWN ON ELECTRICAL PLANS BUT IS SHOWN ON MECHANICAL PLANS.	
23. INSTALL "GFCI GROUND FAULT INTERRUPTER RECEPTACLES WITH WEATHERPROOF COVER WITHIN 25 FT OF HVAC EQUIPMENT. MOUNT RECEPTACLE ON UNISTRUT (UNLESS HVAC EQUIPMENT IS SPECIFIED WITH FACTORY INSTALLED CONVENIENT RECEPTACLE).	
24. CONTRACTOR MUST VISIT THE SITE PRIOR TO BID OR CONSTRUCTION TO VERIFY ALL EXISTING CONDITIONS. BEFORE SUBMITTING BID, BECOME THOROUGHLY FAMILIAR WITH ACTUAL EXISTING CONDITIONS AT THE BUILDING SITE. THE INTENT OF THE WORK IS SHOWN ON THE DRAWINGS AND DESCRIBED HEREINAFTER BY THE ACT OF SUBMITTING A BID PROPOSAL FOR WORK. THE CONTRACTOR SHALL BE DEEMED TO HAVE MADE SUCH STUDY AND EXAMINATION AND TO ACCEPT ALL CONDITIONS PRESENT AT THE SITE. NO REQUEST FOR ADDITIONAL PAYMENT SHALL BE CONSIDERED AS VALID, DUE TO THE FAILURE TO ALLOW FOR CONDITIONS WHICH MAY EXIST. CONTRACTOR TO REPLACE ANY EXISTING DEVICE OR COMPONENT THAT IS CALLED AS EXISTING IF IT IS NOT FULLY OPERATIONAL.	
25. OPERATING MANUALS AND MAINTENANCE MANUALS SHALL BE PROVIDED TO BUILDING OWNER IN ACCORDANCE TO SECTION C405.7.4.2 OF FBCB (5th EDITION).	

POWER PLAN LEGEND	
SYMBOL	DESCRIPTION
	DUPLEX RECEPTACLE 120V
	CLG MOUNT FLUORESCENT LIGHT FIXTURE
	RECESSED LIGHT FIXTURE
	CEILING MOUNT LIGHT FIXTURE
	(1) BULB 48° FLUORESCENT LIGHT
	EMERGENCY LIGHT WITH 90 MINUTES BATTERY BACKUP. LESS THAN 5W PER FACE.
	ELECTRICAL PANEL BOARD
	SAUNA CONTROL
	LIGHT SWITCH (@48" A.F.F. TO TOP)
NOTES	
1. NOT ALL SYMBOLS MAY APPEAR ON PLANS	
2. ALL RECEPTACLES TO BE @ 15" AFF TO BOTTOM OF RECEPTACLE UNLESS NOTED OTHERWISE OR ABOVE COUNTER.	
ABBREVIATIONS	
AFCI	ARC FAULT CIRCUIT INTERRUPTER
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
VP	VAPOR PROOF
WP	WEATHER PROOF
N	NEW DEVICE
EX	EXISTING DEVICE
RE	RELOCATED DEVICE
REP	REPLACE EXISTING LIGHT FIXTURE

ELECTRICAL PLAN KEY NOTES	
	① RELOCATE EXISTING LIGHT SWITCH
	② RELOCATE EXISTING SAUNA CONTROL BUTTONS AND ITS WIRING TO THE NEW WALL LOCATION.
	③ REPLACE EXISTING CEILING MOUNT LIGHT FIXTURE WITH NEW (TO MATCH EXISTING).
	④ EXISTING SAUNA ROOF LIGHT TO BE REMOVED AND THEN RE-INSTALLED AFTER RENOVATION WORK



1 ELECTRICAL PLAN - MEN'S BATHROOM
SCALE: 1/4" = 1'-0"

EXISTING BATHROOM RENOVATION:
AQUARIUS CONDOMINIUMS ASSOCIATION
2751, SOUTH OCEAN DRIVE, FLORIDA

Seal
KAMAL HALABI, P.E.
PE# 63970

Date: 04/10/2016
Drawn: RH
Revised: KH

Job No.
15084

Drawing No.

E-1