

CODE
 ■ FLORIDA BLDG CODE 2014 W/ SUPPLEMENTS
 ■ FLORIDA EXIST. BLDG CODE 2014
 ■ FLORIDA FIRE PREV CODE 2012 5TH EDITION
 ■ NEC 2011

STABLE EXPANSION
 15460 IMPERIAL POINT
 LANE
 WELLINGTON, FL

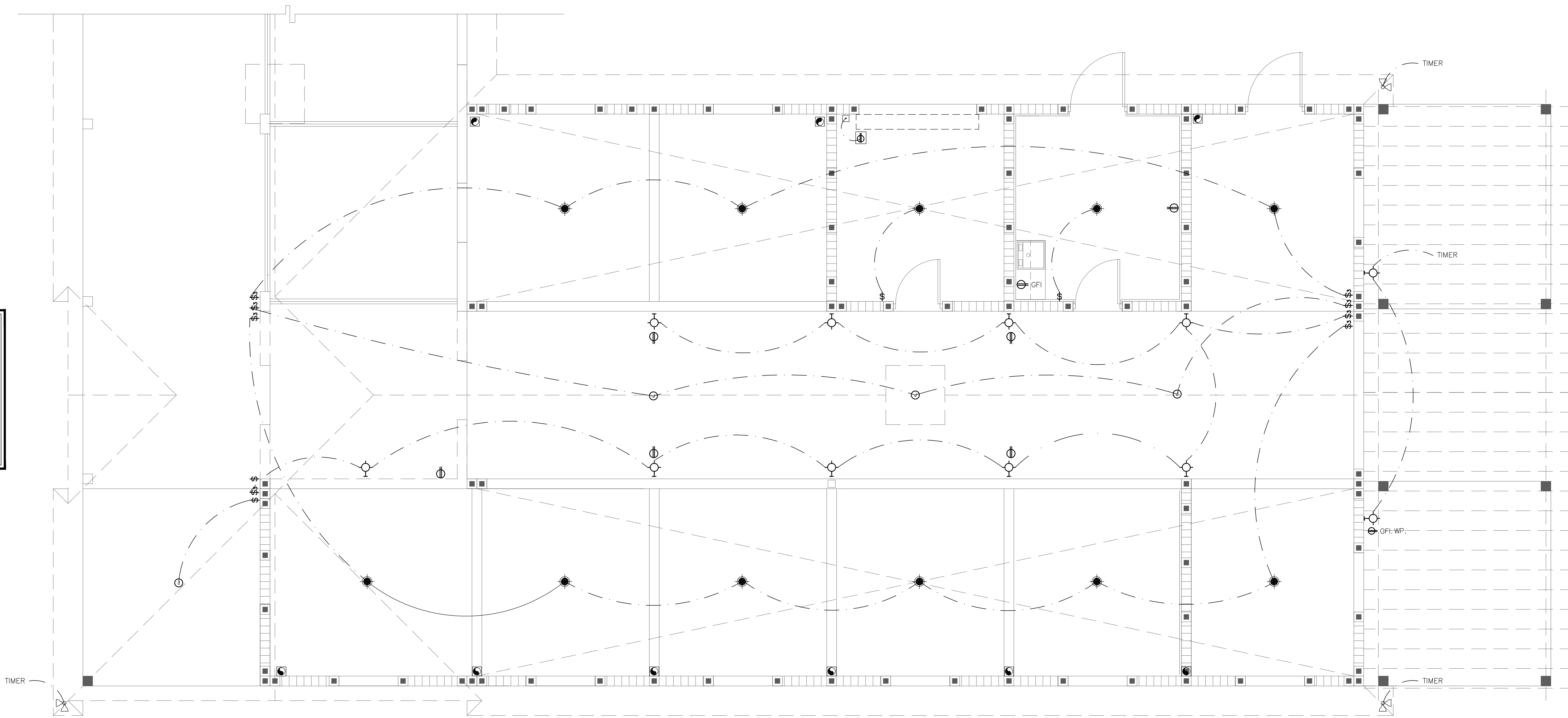
Revisions:

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 SCALE AS NOTED
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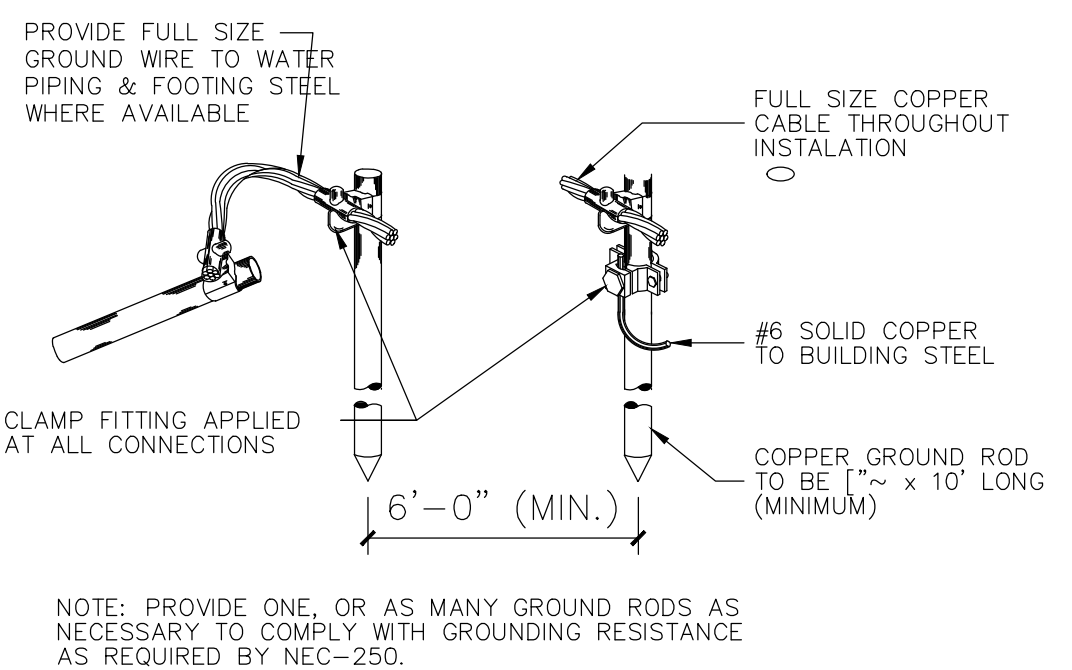
CIRCUIT NUMBERS ON PLANS ARE FOR EQUIPMENT SING. ONLY. ACTUAL CIRCUITRY TO BE DETERMINED IN FIELD.



- ⊕ DUPLEX OUTLET 120V
- ⊕ QUAD RECEPTACLE 120V
- ⊕ RECEPTACLE @ CEILING 120V
- ⊙ FLOOR RECEPTACLE
- ⊕ 220 VOLT OUTLET
- ⊕ DISCONNECT
- ⊕ ELECTRIC METER
- ⊕ ELECTRIC PANEL
- ▽ TELECOMMUNICATION OUTLETS TO BE DOUBLE-GANGED; EACH CONNECTED BY 3/4" CONDUIT WITH TWO(2) PULL-STRINGS (FOR TELEPHONE AND/OR OTHER HIGH-SPEED ACCESS) WITH A STANDARD WHITE BLANK COVER PLATE.
- NOTE: CONTRACTOR TO COORDINATE THE INSTALLATION OF ALL REQUIRED TELEPHONE AND TELECOMMUNICATIONS EQUIPMENT, INCLUDING CABLE, WIRING AND WALL JACKS TO THEIR RESPECTIVE OFFICE AREAS WITH OWNER/AGENT.
- TV
- GROUND-FAULT INTERRUPTER
- WP WATER PROOF
- ⊙ JUNCTION BOX
- NOTE: ALL RECEPTACLES TO BE @ 15" AFF TO BOTTOM OF RECEPTACLE UNLESS NOTED OTHERWISE OR ABOVE COUNTER.
- ⊕ RECESSED HIGH HAT
- ⊕ VAPOR PROOF
- ⊕ SURFACE MOUNTED
- ⊕ PUSH BUTTON
- SINGLE STRIP FLUORESCENT
- N2X4, 18 CELL, PARABOLIC, RECESSED FLUORESCENT LIGHT FIXTURES WITH ELECTRONIC BALLAST, AND UTILIZE WARM WHITE LAMPS.
- N2X4, 18 CELL, PARABOLIC, RECESSED FLUORESCENT LIGHT FIXTURES WITH ELECTRONIC BALLAST, AND UTILIZE WARM WHITE LAMPS.
- TRACK LIGHTING
- ⊕ WALL MOUNTED LIGHT FIXTURE TO BE HIGH-PRESSURE-SODIUM, 150 WATT, WITH "DUSK-TO-DAWN" LIGHT SENSOR AND MANUAL OVERRIDE.
- ⊕ EXIT LIGHT WITH BATTERY BACKUP, LESS THAN 7W PER FACE.
- ⊕ COMBO EMERGENCY/EXIT LIGHT WITH BATTERY BACKUP LESS THAN 7W PER BACK FACE
- ⊕ EXHAUST FAN
- ⊕ SWITCH
- ⊕ 3 WAY SWITCH
- ⊕ 4 WAY SWITCH
- ⊕ SMOKE DETECTOR
- ⊕ CARBON MONOXIDE (CO) SENSOR: HARDWIRED, 120 VOLT DETECTOR WITH BATTERY BACKUP.
- ⊕ DOOR CHIME
- NOTE: ALL SWITCHES TO @ 42" AFF TO BOTTOM OF SWITCH UNLESS NOTED OTHERWISE.
- SINGLE STRIP FLUORESCENT

- GENERAL ELECTRICAL NOTES
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (N.E.C.) AND GOVERNING MUNICIPAL, STATE AND LOCAL CODES. ALL MATERIAL SHALL BE NEW AND SHALL BEAR THE U.L. LABEL WHERE APPLICABLE.
 - CONTRACTOR SHALL MAKE ALL NECESSARY CUTTING AND DO ALL THE REATTACHING AS NECESSARY FOR THE PROPER EXECUTION OF THIS WORK.
 - AFTER COMPLETION OF THE INSTALLATION, THE SYSTEM SHALL TEST FREE FROM SHORT CIRCUITS AND GROUNDS.
 - WHERE ELECTRICAL CONDUCTORS ARE INSTALLED IN CONDUIT, THE CONDUIT SHALL COMPLY WITH THE N.E.C. REQUIREMENTS.
 - ALL CONDUCTOR SHALL BE COPPER. NO CONDUCTOR SHALL BE SMALLER THAN #12 AWG AND SHALL BE RATED FOR 600 VOLTS THRU OR THIN INSULATION. INSTALL A GROUNDING CONDUCTOR WITH ALL CIRCUITS, UNLESS NOTED OTHERWISE, SIZED PER N.E.C. 250-122.
 - VERIFY BREAKER AND CORRESPONDING WIRE SIZES FOR ALL ELECTRICAL EQUIPMENT. DO NOT ORDER MATERIAL BEFORE VERIFYING BREAKER AND WIRE SIZE. REPORT ANY DISCREPANCY IMMEDIATELY TO THE ENGINEER OF RECORD.
 - VERIFY AVAILABLE INTERRUPTING CURRENT (AIC) WITH POWER COMPANY. EQUIPMENT AIC RATING MUST BE LARGER THAN THE WER COMPANY AIC.
 - SAFETY SWITCHES SHALL BE SQUARE "D", GENERAL ELECTRIC OR EQUAL TYPE AND NUMBER OF BREAKERS AS INDICATED ON PANEL SCHEDULE. STENCIL PANEL DESIGNATION ON INSIDE OF PANEL. ALL TWO-POLE BREAKERS SHALL BE COMMON TRIP. PROVIDE THE WRITTEN SCHEDULE IN EACH LOAD CENTER. CONNECTION TO MAIN BUS SHALL BE WITH BURNDY ANNULAR COMPRESSION LUGS.
 - PANELS SHALL BE SQUARE "D" GENERAL ELECTRIC OR EQUAL TYPE AND NUMBER OF BREAKERS AS INDICATED ON PANEL SCHEDULE. STENCIL PANEL DESIGNATION ON INSIDE OF PANEL. ALL TWO-POLE BREAKS SHALL BE COMMON TRIP. PROVIDE THE WRITTEN SCHEDULE IN EACH LOAD CENTER. CONNECTION TO MAIN BUS SHALL BE WITH BURNDY ANNULAR COMPRESSION LUGS.
 - ALL EXTERIOR ELECTRICAL EQUIPMENT SHALL BE ANCHORED TO COMPLY WITH LOCAL CODE FOR WIND RESISTANCE.
 - 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.
 - 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.
 - LOAD DATA IS BASED ON INFORMATION GIVEN ENGINEER AT THE TIME OF DESIGN. VERIFY ALL EQUIPMENT PANEL SIZES BEFORE ORDERING AND BEFORE INSTALLATION.
 - ALL ELECTRICAL AND COMMUNICATION OUTLETS TO BE 15" A.F.F. TO BOTTOM OF THE OUTLET UNLESS OTHERWISE NOTED. ALL LIGHT SWITCHES SHALL BE @ 42" AFF. TO BOTTOM OF SWITCH.
 - SERVICE MUST BE 3' ABOVE M.S.L., VERIFY AT THE SITE.
 - CONTRACTOR MUST VISIT THE SITE PRIOR TO BID OR CONSTRUCTION TO VERIFY ALL EXISTING CONDITIONS.

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



LOAD CALCS "A"

| | |
|------------------------------------|--------|
| FLOOD LITES (3) | 540 |
| COACH LITES(11) | 1100 |
| STALL FAN (6) | 6000 |
| DOWNLITE(11) | 1100 |
| OUTLETS GP(8) | 1440 |
| EXIST PANEL LOAD | 53711 |
| <hr/> | |
| SUB TOTAL | 63,891 |
| FIRST 10,000 AT 100% | 10,000 |
| BALANCE @ 40% | 21,556 |
| <hr/> | |
| NEW AC LOAD | 1080 |
| <hr/> | |
| TOTAL LOAD | 32636 |
| <hr/> | |
| 32636/240 = 136 AMP | |
| EXISTING 200 AMP SERVICE TO REMAIN | |

