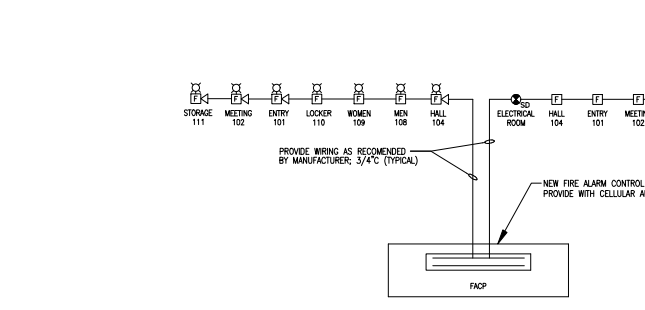


ELECTRICAL SYMBOL LEGEND	
	LED LIGHTING FIXTURE - LETTER(S) DENOTE TYPE. SEE LIGHTING FIXTURE SCHEDULE.
	COMPACT FLUORESCENT, LED, OR HO LIGHTING FIXTURE. LETTER(S) DENOTE TYPE. SEE LIGHTING FIXTURE SCHEDULE.
	EMERGENCY AND EXIT LIGHT. LETTER(S) DENOTE TYPE - SEE LIGHTING FIXTURE SCHEDULE, WALL OR CEILING MOUNTED.
	PANELBOARD - SEE RESPECTIVE PANELBOARD SCHEDULE. PROVIDE MECHANICALLY FASTENED PHENOLIC LABEL. SQUARE-D OR EQUAL.
	BRANCH CIRCUIT CONDUIT RUN CONCEALED IN WALL OR ABOVE CEILING. ARROW INDICATES CIRCUIT HOMERUN. HASHMARKS INDICATE NUMBER OF CONDUCTORS. ABSENCE OF HASHMARKS INDICATES TWO CONDUCTORS PLUS GROUND. "X" DENOTES PANELBOARD SPACE IN PANELBOARD. SEE RESPECTIVE PANEL CIRCUIT SCHEDULE. MINIMUM CIRCUIT SIZE = 2#12/1#125/1/2" C. SHARING OF THE NEUTRAL CONDUCTOR BETWEEN CIRCUITS IS PROHIBITED.
	INDICATES ELECTRICAL CONDUIT ROUTED UNDERGROUND/SLAB
	INDICATES WIRING DEVICE WITH CAST ALUMINUM WEATHER PROOF COVER PLATE.
	INDICATES GROUND FAULT CIRCUIT INTERRUPTER TYPE DUPLEX RECEPTACLE.
	INDICATES DEVICE FLUSH MOUNTED HORIZONTALLY 6" ABOVE COUNTERTOP OR IN BACKSPASH.
	INDICATES DEVICE MOUNTED IN CEILING
	NON-FUSED DISCONNECT, HEAVY DUTY (SAFETY) SWITCH - SIZE AND TYPE AS NOTED. TOP OF SWITCH 6"-4" A.F.F. PROVIDE PHENOLIC LABEL MOUNTED ABOVE DISCONNECT. SQUARE-D OR EQUAL.
	FUSED DISCONNECT, HEAVY DUTY (SAFETY) SWITCH - SIZE AND TYPE AS NOTED. TOP OF SWITCH 4"-4" A.F.F. PROVIDE PHENOLIC LABEL MOUNTED ABOVE DISCONNECT. A.F.F. FUSES SHALL MATCH SERVING BREAKER UNLESS OTHERWISE DIRECTED BY ELEVATOR INSTALLER.
	ELECTRIC MOTOR - SEE RESPECTIVE EQUIPMENT SCHEDULE
	MANUAL MOTOR STARTER SWITCH, 2 POLE, 30 AMP. MOUNTED IN A 4" SQUARE JUNCTION BOX WITH AN INDUSTRIAL RASSED COVER MOUNTED AT EQUIPMENT UNLESS OTHERWISE.
	20A, 125VAC 2P, 3W, GROUNDING TYPE, DUPLEX RECEPTACLE. FLUSH WALL MTD. 18" A.F.F. UNLESS NOTED OTHERWISE.
	20A, 125VAC, 2P, 3W, NEMA 5-20R INDICATES GROUND FAULT CIRCUIT INTERRUPTING RECEPTACLE. FLUSH WALL MTD. 18" A.F.F. UNLESS NOTED OTHERWISE. DEVICES LOCATED EXTERIOR TO THE BUILDING SHALL BE A LISTED WEATHER-RESISTANT TYPE.
	20A, 125VAC 2P, 3W, GROUNDING TYPE, DOUBLE DUPLEX RECEPTACLE. FLUSH WALL MTD. 18" A.F.F. UNLESS NOTED OTHERWISE.
	JUNCTION BOX LOCATION, SIZE AND TYPE AS REQUIRED.
	PHOTOCELL MOUNTED FACING NORTH. REFERENCE CONNECTION DIAGRAM FOR ADDITIONAL INFORMATION.
	CONTACTOR FOR EXTERIOR LIGHTING, KITCHEN HOOD CONTROL.
	TIMELOCK FOR INTERIOR LIGHTING
	20A, 120/277VAC SINGLE POLE TOGGLE SWITCH. FLUSH WALL MOUNTED 48" A.F.F. UNLESS NOTED OTHERWISE.
	LOW VOLTAGE MOMENTARY SWITCH FLUSH WALL MOUNTED 48" A.F.F. UNLESS NOTED OTHERWISE. REFERENCE WIRING DIAGRAM FOR ADDITIONAL INFORMATION.
	DIGITAL TIME SWITCH FOR AFTER HOURS CONTROL AS REQUIRED BY THE FLORIDA ENERGY CONSERVATION CODE. SWITCH SHALL BE PROGRAMMED FOR A MINIMUM OF 2 HOURS.
	DUAL TECHNOLOGY CEILING-MOUNTED 300' OCCUPANCY SENSOR. WATERPROOF CAT# 07-306. SEE LIGHTING CONTROL WIRING DIAGRAM FOR ADDITIONAL INFORMATION. MOUNT AT LOCATION AS INDICATED ON PLANS. ARROWS INDICATE DEVICE ORIENTATION. SENSOR SHALL BE ORIENTED AS INDICATED ON PLANS. DEVICE SHALL BE PROGRAMMED SUCH THAT BOTH TECHNOLOGIES ARE REQUIRED TO TURN LIGHTS ON AND SUCH THAT EITHER TECHNOLOGY SHALL "HOLD" LIGHTS "ON," "AUTOMATIC" OFF TIME DELAY DURATION SHALL BE 30 MINUTES MAXIMUM. SENSOR SHALL BE PROGRAMMED FOR "MANUAL ON," WHERE A DEVICE IS NOTATED WITH AN "A," IT SHALL BE PROGRAMMED FOR AUTOMATIC ON.
	POWER PACK RELAY FOR CONTROL OF LIGHTING CIRCUITS, EQUAL TO WATTSOPPER CAT# BZ-150. MOUNT DEVICE IN AN ACCESSIBLE LOCATION. SEE TYPICAL OCCUPANCY SENSOR WIRING DIAGRAM FOR REQUIREMENTS.

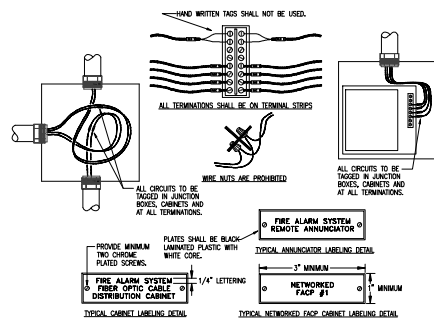
ELECTRICAL SYMBOL LEGEND CONTINUED	
	ADDRESSABLE INTELLIGENT FIRE ALARM SYSTEM CONTROL PANEL SURFACE MOUNTED - WITH 2 LINE CABLE CONNECTED TO TELEPHONE BACKSHAL.
	FIRE ALARM SYSTEM ADDRESSABLE PULL STATION - SEM FLUSH MOUNTED 48" A.F.F. TO TOP UNLESS NOTED OTHERWISE. DEVICES IN THE COMMINGHAM MARKED WITH A "X" SHALL BE PROVIDED WITH A STOPPER II COVER AND LIFT ACTUATING HORN.
	ADDRESSABLE INTELLIGENT CEILING MOUNTED FIRE ALARM SYSTEM PHOTOELECTRIC TYPE SMOKE DETECTOR WITH BASE.
	FIRE ALARM SYSTEM HORN / STROBE DEVICE SEM FLUSH WALL MOUNTED AT 84" A.F.F. OR 6" BELOW THE FINISHED CEILING WHOEVER IS LOWER, UNLESS NOTED OTHERWISE. CONDUIT RATING AS NOTED. ALL STROBES IN COMMON SPACES OR CORRIDORS SHALL BE SYNCHRONIZED. "WP" INDICATES WEATHERPROOF DEVICE MOUNTED TO WEATHERPROOF ENCLOSURE.
	FIRE ALARM SYSTEM VISUAL DEVICE SEM FLUSH WALL MOUNTED AT 84" A.F.F. OR 6" BELOW THE FINISHED CEILING WHOEVER IS LOWER, UNLESS NOTED OTHERWISE. CONDUIT RATING AS NOTED. ALL STROBES IN COMMON SPACES OR CORRIDORS SHALL BE SYNCHRONIZED. "WP" INDICATES WEATHERPROOF DEVICE MOUNTED TO WEATHERPROOF ENCLOSURE.
	ADDRESSABLE INTELLIGENT FIRE ALARM SYSTEM DUCT MOUNTED PHOTOELECTRIC SMOKE DETECTOR COMPLETE WITH HOUSING AND AIR SAMPLING TUBES. "S" DENOTES DETECTOR IN SUPPLY DUCT; "R" DENOTES DETECTOR IN RETURN DUCT.
	FIRE ALARM SYSTEM INTERFACE MODULE - MOUNTED AT EQUIPMENT.
	SPRINKLER SYSTEM FLOW SWITCH, FURNISHED AND INSTALLED BY FIRE PROTECTION (SPRINKLER) SYSTEM CONTRACTOR, AND CONNECTED TO FIRE ALARM SYSTEM CONTROL PANEL VIA AN ADDRESSABLE MONITOR MODULE BY FIRE ALARM SYSTEM CONTRACTOR.
	SPRINKLER SYSTEM TAMPER SWITCH, FURNISHED AND INSTALLED BY FIRE PROTECTION (SPRINKLER) SYSTEM CONTRACTOR, AND CONNECTED TO FIRE ALARM SYSTEM CONTROL PANEL VIA AN ADDRESSABLE MONITOR MODULE BY FIRE ALARM SYSTEM CONTRACTOR.
	ADDRESSABLE INTELLIGENT FIRE ALARM SYSTEM HEAT DETECTOR RATE OF RISE TYPE.
	FLUSH MOUNT, ADDRESSABLE, FIRE ALARM REMOTE ANNUNCIATOR PANEL.
	ADDRESSABLE MONITOR MODULE.
	DUPLEX VOICE/DATA OUTLET IN A 4" SQUARE BOX WITH SINGLE GANG EXTENSION RING. DEVICE MOUNTED 18" A.F.F. UNLESS NOTED OTHERWISE WITH 3/4" CONDUIT UP IN WALL TO 6" ABOVE CEILING AND OUT TO ABOVE ACCESSIBLE CEILING. PROVIDE WIRING AS REQUIRED TO TERMINATION POINT. COORDINATE TERMINATION POINT AND ALL REQUIREMENTS WITH UTILITY.
	CABLE TV OUTLET IN A 4" SQUARE BOX WITH SINGLE GANG EXTENSION RING. DEVICE MOUNTED 18" A.F.F. UNLESS NOTED OTHERWISE WITH 3/4" CONDUIT UP IN WALL TO 6" ABOVE CEILING AND OUT TO ABOVE ACCESSIBLE CEILING. PROVIDE WIRING AS REQUIRED TO TERMINATION POINT. COORDINATE TERMINATION POINT AND ALL REQUIREMENTS WITH UTILITY.

- SYMBOLS NOTES:**
- ALL OUTLETS SHALL BE FLUSH MOUNTED.
 - MOUNTING HEIGHTS ARE FROM THE CENTER LINE OF THE DEVICE.
 - ALL SINGLE GANG AND TWO GANG DEVICES SHALL USE A 4" SQ. BOX WITH EXTENSION RING.
 - ALL MULTI-GANG DEVICES SHALL USE A COMMON COVER PLATE.
 - CLOSERS FOR ALL DEVICES (S, SWITCHES, RECEPTACLES, TELEPHONE OUTLETS, ETC.) AND THEIR COVERPLATES SHALL BE DETERMINED BY THE ARCHITECT, UNLESS NOTED OTHERWISE.
 - A.F.F. INDICATES MOUNTING HEIGHT ABOVE FINISHED GRADE.
 - A.F.F. INDICATES MOUNTING HEIGHT ABOVE FINISHED FLOOR.
 - DO NOT INSTALL OUTLETS BACK TO BACK.
 - ALL 120V 20A CIRCUITS EXCEEDING 80'-0" IN LENGTH SHALL UTILIZE #10 WIRE.
 - ALL 120V 20A CIRCUITS EXCEEDING 140'-0" IN LENGTH SHALL UTILIZE #8 WIRE.
 - "PROVIDE" INDICATES THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL.

LIGHTING FIXTURE SCHEDULE				
MARK	LAMPS	MOUNTING	MANUFACTURER	CATALOG NUMBER
E11	2W LED'S	CEILING/WALL	EMERG-LITE	WPMENSRNR
L4A LAE	39W LED	RECESSED	LITHONIA	LITHONIA EPAL-214-6000-800R-35K-MINI-ZI-WOLT-E10WCP LITHONIA EPAL-214-6000-800R-35K-MINI-ZI-WOLT-E10WCP
L4S LAE	45W LED	RECESSED	LITHONIA	LITHONIA EPAL-214-6000-800R-35K-MINI-ZI-WOLT-06A24 LITHONIA EPAL-214-6000-800R-35K-MINI-ZI-WOLT-E10WCP-06A24
L4E LAE	55W LED	RECESSED	LITHONIA	LITHONIA EPAL-114-6000-800R-35K-MINI-ZI-WOLT-06A14 LITHONIA EPAL-114-6000-800R-35K-MINI-ZI-WOLT-E10WCP-06A14
L47	55W LED	SUSPENDED	LITHONIA	LITHONIA EPAL-214-6000-800R-35K-MINI-ZI-WOLT-SUSPENSION KIT
W1	17.7W LED	WALL	LITHONIA	FMVSL 24N 30K MWOLT
W2	17.7W LED	WALL	LUMINAIRE	TSL9 24N 40W FAW 35K CLK MWOLT
W3	36W LED	WALL	LITHONIA	ZL10-L48-5000-FST-120-33K-800R-WH
W4	41W LED	WALL	LITHONIA	ZL10-L24-3500-FST-120-33K-800R-E7W-WH
L01 L01E	22.5W LED	RECESSED	LITHONIA	LDN6 35/20-106-AR-LSS-120-021-TRW LDN6 35/20-106-AR-LSS-120-021-TRW-E10WCP
H01	55W LED	CEILING/WALL	EMERG-LITE	LITHONIA WSRLED-P3-40K-SR4-120
EPL	39W LED	ELEVATOR PIT	LITHONIA	LITHONIA FEM-L48-LPPL1-MD-MWOLT-G210-35K-BOCR-STSL-WATER TIGHT HUGS
SL	9.6	RECESSED	GOYHAM	EV08H-35/10-DFFAM-SMG-120-EZ1
HD	10.4	RECESSED	LITHONIA	LDN6 40/10-106-AR-LSS-120-010-TRW



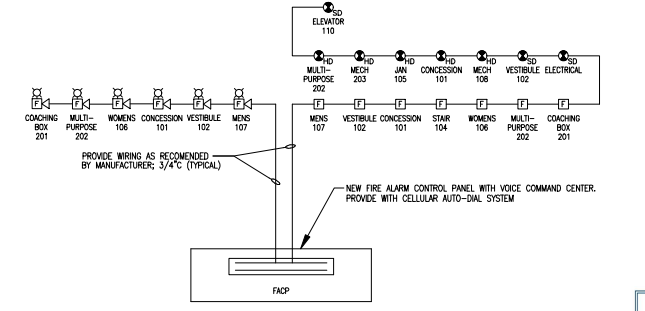
FIRE ALARM SYSTEM RISER DIAGRAM - RECREATION BLDG
NOT TO SCALE



FIRE ALARM SYSTEM LABELING DETAIL
NOT TO SCALE

FIRE ALARM SYSTEM GENERAL NOTES:

- VERIFY EXACT NUMBER OF DEVICES FROM FLOOR PLAN, NOT RISER DIAGRAM.
- THE NAC CIRCUITS ARE SHOWN DIAGRAMMATIC. MAXIMUM NUMBER OF DEVICES ON ANY CIRCUIT IS LIMITED. PROVIDE ADDITIONAL HARDWARE AS REQUIRED.
- SLC LOOP TO CONNECT ALL FIRE ALARM SYSTEM DEVICES FROM FLOOR PLANS. PROVIDE ADDITIONAL LOOPS AS REQUIRED.
- BATTERY CABINETS AND NAC EXPANDERS SHALL BE LOCATED BELOW OR ADJACENT TO FIRE ALARM CONTROL PANEL.
- ALL FIRE ALARM WORK SHALL BE PERFORMED BY QUALIFIED PERSONNEL AS DEFINED IN NFPA 72 (LATEST EDITION). SHOP DRAWINGS SHALL COMPLY WITH NFPA 72 SECTION.
- SPlicing OF FIRE ALARM WIRING IS STRICTLY PROHIBITED.
- UPON PROJECT COMPLETION THE CAMPUS WIDE FIRE ALARM SYSTEM SHALL BE RE-CERTIFIED AND TESTED. PROVIDE WITH A RECEIPT OF COMPLETION AS REQUIRED IN NFPA 72.
- THE FIRE ALARM INSTALLER SHALL BE LICENSED AS A CERTIFIED FIRE ALARM CONTRACTOR. THE CONTRACTOR MUST HAVE A NEET LEVEL III TECHNICIAN IN A POSITION OF RESPONSIBILITY, AND THE LICENSE SHALL BE ISSUED IN THE NAME OF THE CERTIFICATE HOLDER AND THE CONTRACTOR. TECHNICIANS WORKING FOR THE CERTIFIED CONTRACTOR MUST HOLD A CURRENT NEET LEVEL II, OR EQUIVALENT, CERTIFICATION. CONTRACTORS WISHING TO BID ON FIRE ALARM WORK SHALL SHOW EVIDENCE AT THE PRE-BID CONFERENCE THAT HE/SHE MEETS THE CERTIFICATION REQUIREMENTS AND HOLDS A PERMIT ISSUED BY THE STATE OF ALABAMA FIRE MARSHAL.
- THE FIRE ALARM SYSTEM SHALL BE MONITORED BY AN APPROVED SUPERVISING STATION IN ACCORDANCE WITH NFPA 72. AUTOMATIC TELEPHONE DIALING DEVICES USED TO TRANSMIT AN EMERGENCY ALARM SHALL NOT BE CONNECTED TO ANY FIRE DEPARTMENT TELEPHONE NUMBER UNLESS APPROVED BY THE FIRE CHIEF.



FIRE ALARM SYSTEM RISER DIAGRAM - RESTROOM BLDG
NOT TO SCALE

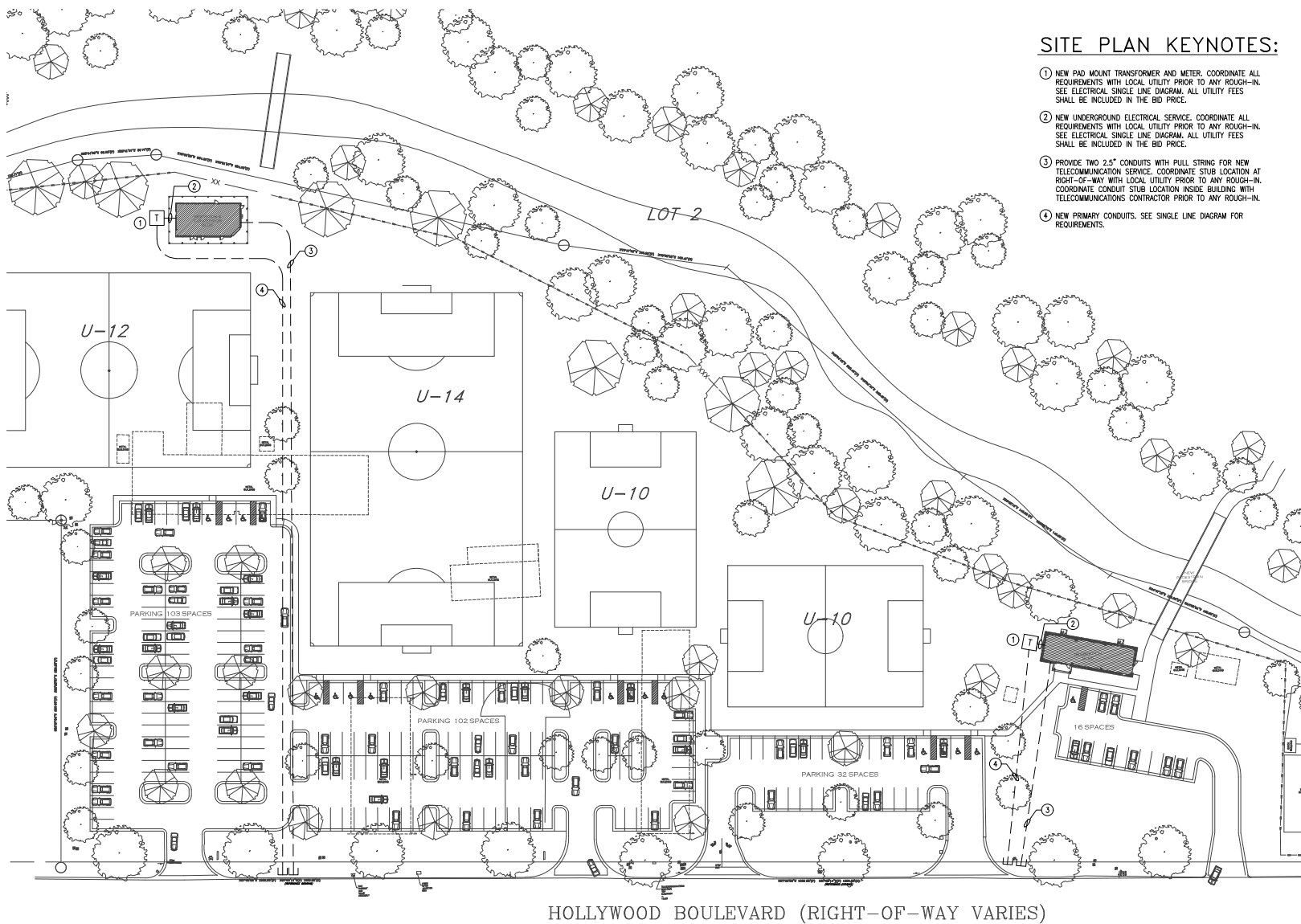
H.M. YONGE & ASSOCIATES, INC.
CONSULTING ENGINEERS • EST. 1988
1615 GREGORY STREET
BRONCKS, FLORIDA 32609
PHONE: (850)434-2660

DATE SHEET ON SHEET: 02/28/23
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DRAWN: TAD
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SHEET NUMBER
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JENKINS ENGINEERING, INC.
1000 N. W. 10TH AVENUE, SUITE 138
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FAX: 800.878.8444
JETA@JENKINS.COM
C.O.A. NO. 9927

FT WALTON BEACH PARK
HOLLYWOOD BLVD.,
FT. WALTON BEACH • FLORIDA

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SITE PLAN KEYNOTES:

- ① NEW PAD MOUNT TRANSFORMER AND METER. COORDINATE ALL REQUIREMENTS WITH LOCAL UTILITY PRIOR TO ANY ROUGH-IN. SEE ELECTRICAL SINGLE LINE DIAGRAM. ALL UTILITY FEES SHALL BE INCLUDED IN THE BID PRICE.
- ② NEW UNDERGROUND ELECTRICAL SERVICE. COORDINATE ALL REQUIREMENTS WITH LOCAL UTILITY PRIOR TO ANY ROUGH-IN. SEE ELECTRICAL SINGLE LINE DIAGRAM. ALL UTILITY FEES SHALL BE INCLUDED IN THE BID PRICE.
- ③ PROVIDE TWO 2.5" CONDUITS WITH PULL STRING FOR NEW TELECOMMUNICATION SERVICE. COORDINATE STUB LOCATION AT RIGHT-OF-WAY WITH LOCAL UTILITY PRIOR TO ANY ROUGH-IN. COORDINATE CONDUIT STUB LOCATION INSIDE BUILDING WITH TELECOMMUNICATIONS CONTRACTOR PRIOR TO ANY ROUGH-IN.
- ④ NEW PRIMARY CONDUITS. SEE SINGLE LINE DIAGRAM FOR REQUIREMENTS.

①
E1.0

 NORTH

ELECTRICAL SITE PLAN
SCALE: 1" = 40'

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REGISTRATION NO. 00001806-0001
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MECHANICAL ENGINEER THOMAS T. YARGHESE, P.E. FLORIDA REG. NO. 69970
ELECTRICAL ENGINEER AMOR T. YARGHESE, P.E. FLORIDA REG. NO. 78313

H.M. YONGE AND ASSOC. JOB# 21-174

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FAX: 888.782.6260

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C.O.A. NO. 5927

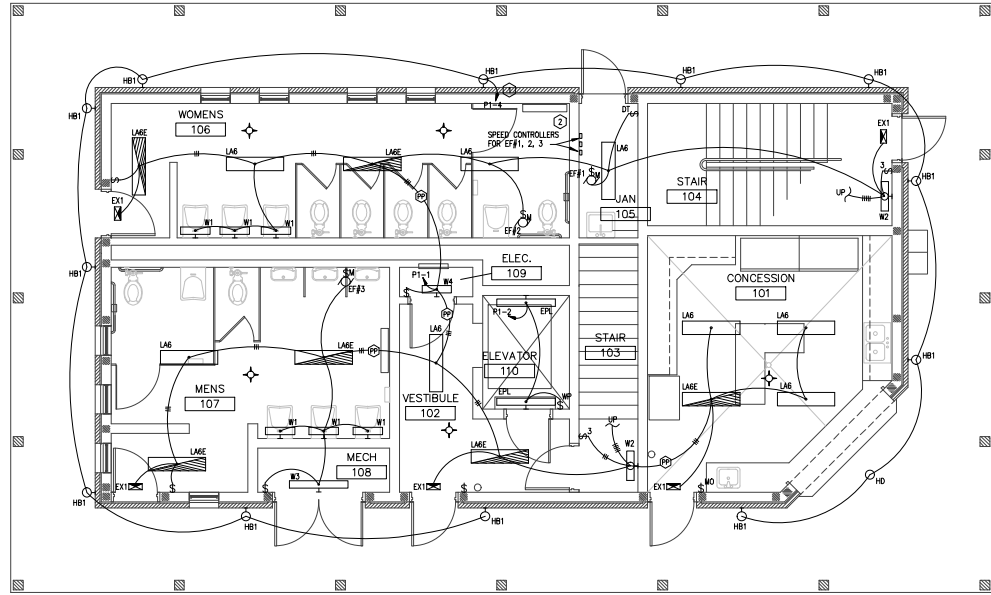


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HOLLYWOOD BLVD.
FT. WALTON BEACH • FLORIDA

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JOB:	
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DRAWN:	TAD
DATE ONE EACH ON ORIGINAL:	
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DRAWING NUMBER	
SHEET NUMBER	E1.0



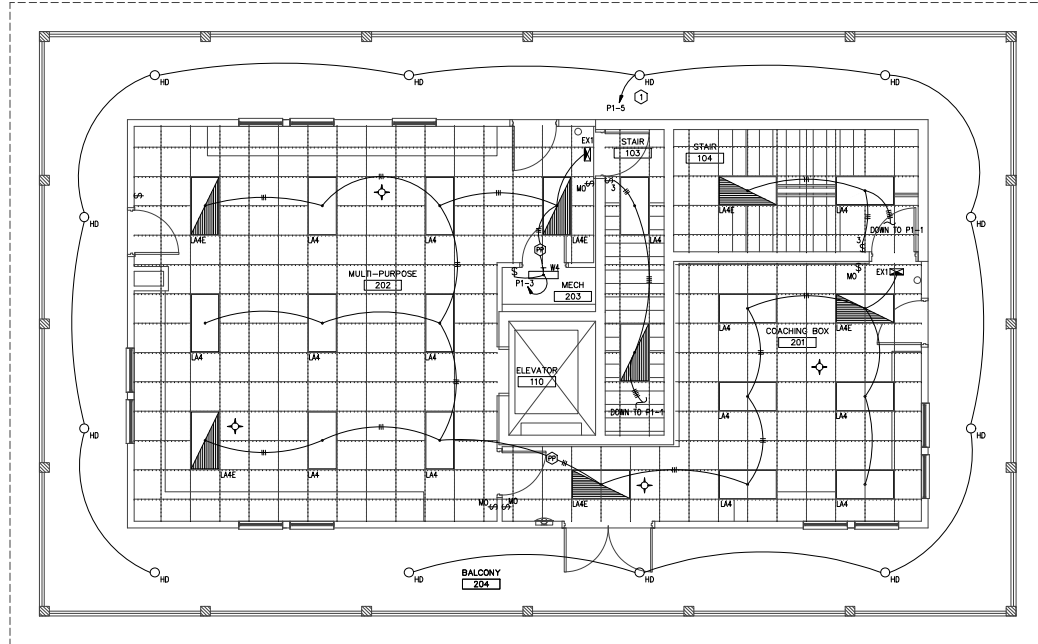
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E2.1

NORTH

LIGHTING RESTROOM BUILDING FIRST FLOOR PLAN
SCALE: 1/4" = 1'-0"

ELECTRICAL LIGHTING KEYNOTES:

- ① HOMERUN SHALL BE ROUTED THROUGH ASTRONOMIC TIME CLOCK EQUAL TO INTERMITTENT ETROCK. COORDINATE THE SCHEDULE WITH OWNER. TIME CLOCK SHALL BE INSTALLED ADJACENT TO SERVING PANEL.
- ② SPEED CONTROLLERS TO BE WIRED UP TO ELECTRIC FANS. COORDINATE INSTALLATION WITH MECHANICAL.



2
E2.1

NORTH

LIGHTING RESTROOM BUILDING SECOND FLOOR PLAN
SCALE: 1/4" = 1'-0"



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 10005 W. WATSON BLVD. SUITE 138
 DEERFIELD BEACH, FLORIDA 33441
 PHONE 888.637.2448
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 C.O.A. NO. 9927



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 HOLLYWOOD BLVD.
 FT. WALTON BEACH • FLORIDA

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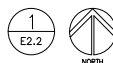
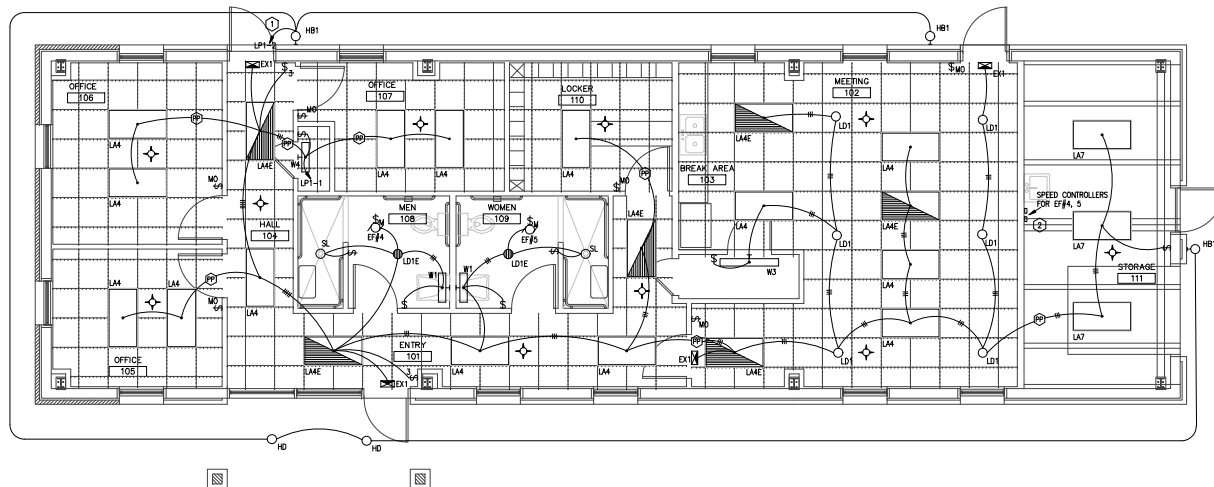
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 51 EAST GREGORY STREET
 BROWNSVILLE, FLORIDA 33002
 PHONE: (850)434-2660

REGISTRATION INFORMATION FOR H.M. YONGE
 MECHANICAL ENGINEER "YONGE H. YONGE", P.E. FLORIDA REG. NO. 32099
 MECHANICAL ENGINEER "THEODORE F. YONGE", P.E. FLORIDA REG. NO. 49950
 ELECTRICAL ENGINEER "ARTHUR T. VARGHESE", P.E. FLORIDA REG. NO. 78315

H.M. YONGE AND ASSOC. JOB# 21-174



1 LIGHTING RECREATION BUILDING PLAN
SCALE: 1/4" = 1'-0"

ELECTRICAL LIGHTING KEYNOTES:

- ① HOMERUN SHALL BE ROUTED THROUGH ASTRONOMIC TIME CLOCK EQUAL TO INTERMATIC STR8000. COORDINATE TIME SCHEDULE WITH OWNER. TIME CLOCK SHALL BE INSTALLED ADJACENT TO SERVING PANEL.
- ② SPEED CONTROLLERS TO BE WIRED UP TO ELECTRIC FANS. COORDINATE INSTALLATION WITH MECHANICAL.

JENKINS ENGINEERING, INC.
 1201 W. WALTON BLVD. SUITE 110
 FT. WALTON BEACH, FLORIDA 32548
 PHONE 850.837.2448
 FAX 850.837.2460



BY	DATE	REV	DESCRIPTION

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 HOLLYWOOD BLVD.
 FT. WALTON BEACH • FLORIDA

JOB: 02/29/23
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DRAWING NUMBER
 SHEET NUMBER
E2.2

H.M. YONGE & ASSOCIATES, INC.
 CONSULTING ENGINEERS, P. EST. 1958
 51 EAST GREGORY STREET
 BRONCKLES, FLORIDA 32009
 PHONE: (904)434-2660

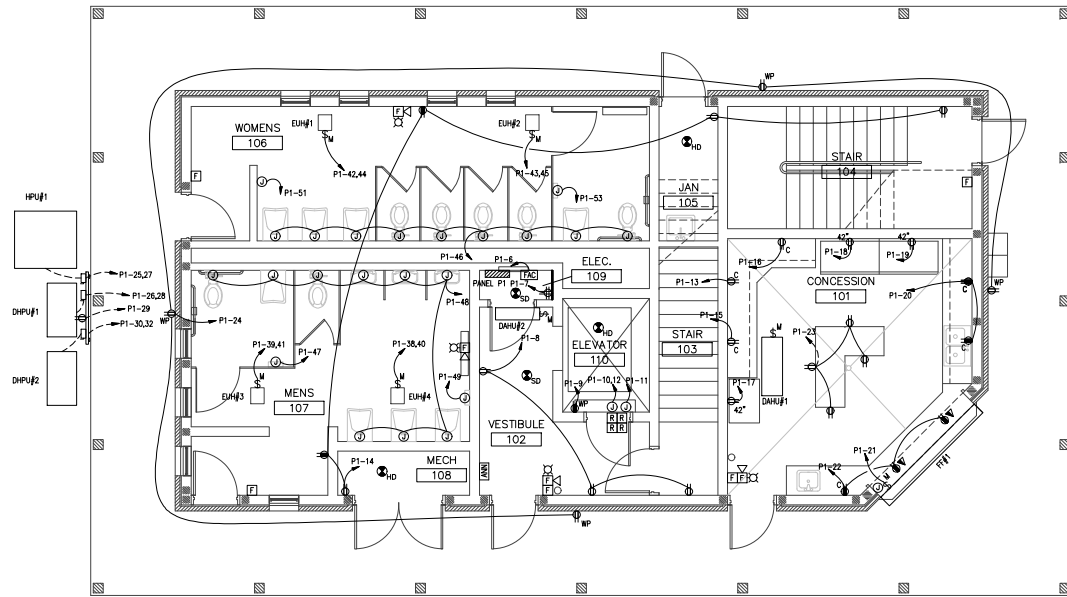
CERTIFICATION OF REGISTRATION FOR THE STATE OF FLORIDA
 MECHANICAL ENGINEER YONGE H. YONGE, P.E. FLORIDA REG. NO. 30299
 MECHANICAL ENGINEER THOMAS T. YONGE, P.E. FLORIDA REG. NO. 46950
 ELECTRICAL ENGINEER AMON T. YARGESE, P.E. FLORIDA REG. NO. 78313

H. M. YONGE AND ASSOC. JOB # 21-174

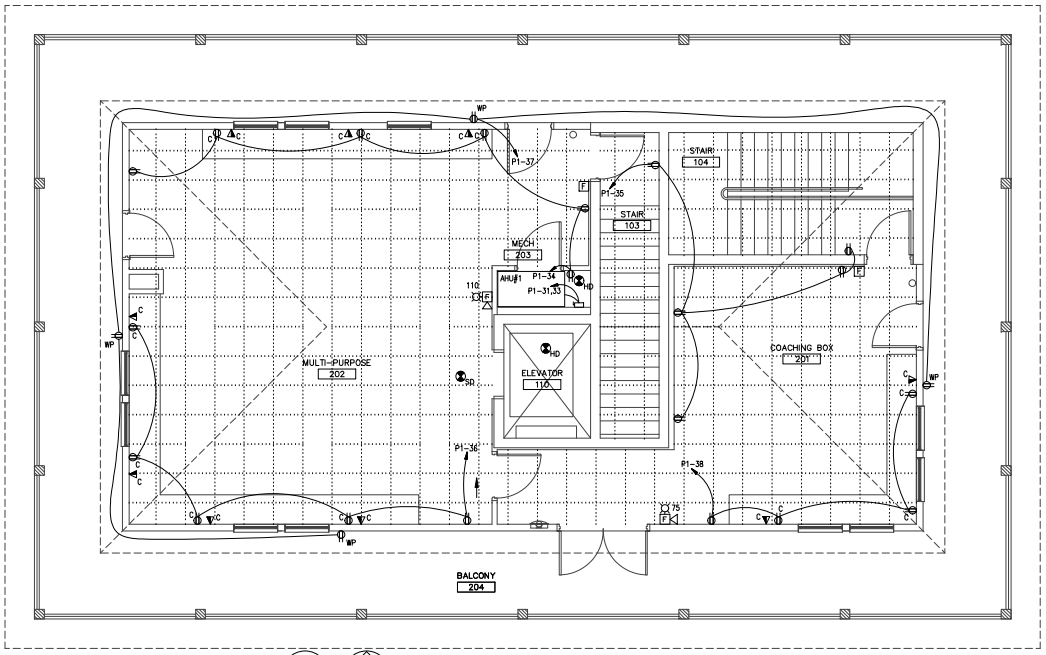
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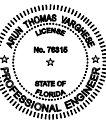


1
E3.1
NORTH
ELECTRICAL RESTROOM BUILDING FIRST FLOOR PLAN
SCALE: 1/4" = 1'-0"



2
E3.1
NORTH
ELECTRICAL RESTROOM BUILDING SECOND FLOOR PLAN
SCALE: 1/4" = 1'-0"

JENKINS ENGINEERING, INC.
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 Ft. Lauderdale, FL 33304
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 FAX: 561.537.2460
 jef@jml.com
 C.O.A. NO. 9927



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 HOLLYWOOD BLVD.
 FT. WALTON BEACH • FLORIDA

JOB: 02/29/23
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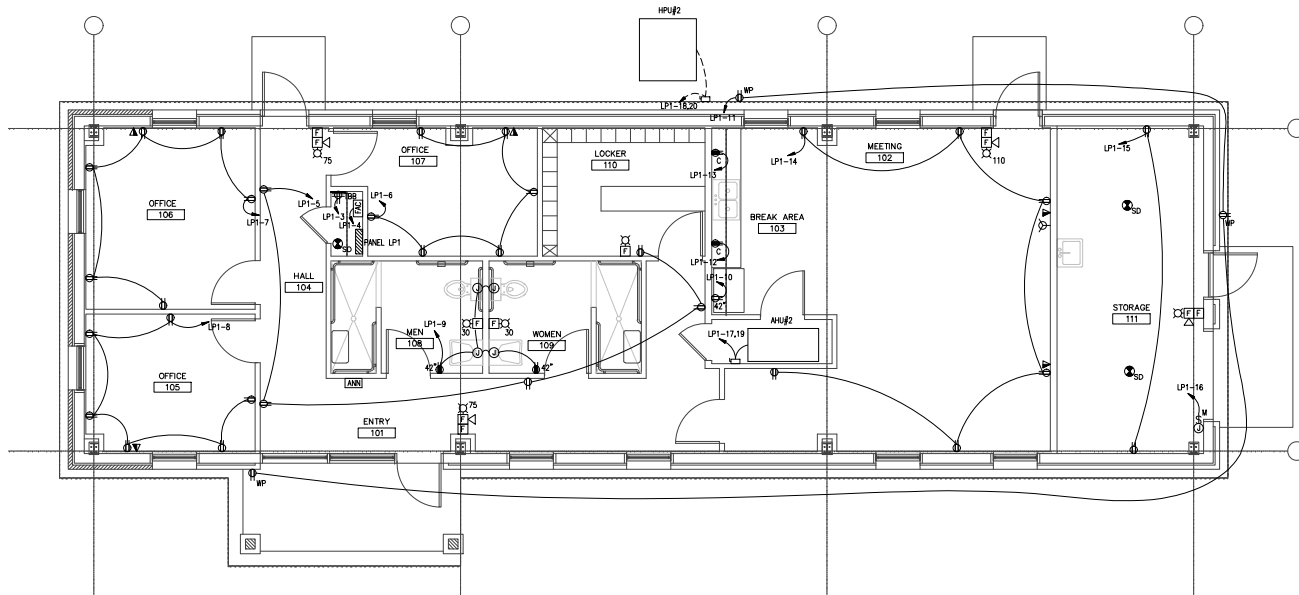
H.M. YONGE & ASSOCIATES, INC.
 CONSULTING ENGINEERS, P.C. EST. 1958
 51 EAST GREGORY STREET
 BROWARD COUNTY, FLORIDA 33002
 PHONE: (954)343-2660

CERTIFICATION OF REGISTRATION NO. 0024
 MECHANICAL ENGINEER YONGE H. YONGE, P.E. FLORIDA REG. NO. 30289
 MECHANICAL ENGINEER THOMAS T. YONGE, P.E. FLORIDA REG. NO. 40970
 ELECTRICAL ENGINEER AMAR T. YONGESE, P.E. FLORIDA REG. NO. 78315

H.M. YONGE AND ASSOC. JOB# 21-174

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100 - W. Lakes Ave., Suite 211714 at Dike Hamilton Park 3311610000 03/23/2023



1
E3.2
NORTH
ELECTRICAL RECREATION BUILDING PLAN
SCALE: 1/4" = 1'-0"



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 FAX: 888.637.2460
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 SHEET NUMBER
 E3.2

H.M. YONGE & ASSOCIATES, INC.
 CONSULTING ENGINEERS, P.C. EST. 1958
 51 EAST GREGORY STREET
 BROWARD COUNTY, FLORIDA 33002
 PHONE: (954) 434-2660

CERTIFICATION OF REGISTRATION FOR THE STATE OF FLORIDA
 MECHANICAL ENGINEER THOMAS W. JENKINS, P.E. FLORIDA REG. NO. 78316
 MECHANICAL ENGINEER THOMAS T. BUCHHEI, P.E. FLORIDA REG. NO. 69792
 ELECTRICAL ENGINEER AMOR T. VARGHESE, P.E. FLORIDA REG. NO. 78315

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100: 8/24/24/2024 11:19 AM Site Revision: Park/2117410/0000 02/29/23 10:58

MECHANICAL EQUIPMENT ELECTRICAL SCHEDULE table with columns for MARK, TYPE OF EQUIPMENT, VOLTAGE, MCA, MOOP, FEEDER, PANEL/CIRCUIT, DISCONNECT, NOTES.

- NOTES: 1. COORDINATE WITH THE MECHANICAL CONTRACTOR TO ENSURE ALL DISCONNECTS AND/OR VFD'S ARE PROVIDED AS REQUIRED. 2. PROVIDED WITH INTEGRAL DISCONNECT. 3. FIELD VERIFY SERVING PANEL LOCATION. SEE FLOOR PLAN. 4. INDOOR UNIT IS FED FROM OUTDOOR UNIT.

THE ELECTRICAL CONTRACTOR SHALL FIELD MARK ALL ELECTRICAL SERVICE EQUIPMENT WITH A CONSPICUOUS AND PERMANENT LABEL THAT INDICATES THE AVAILABLE FAULT CURRENT AS FOLLOWS PER NEC 110.24.

NOTE: ALL EQUIPMENT THAT IS LIKELY TO REQUIRE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE WHILE ENERGIZED SHALL BE PROVIDED WITH A LABEL IN ACCORDANCE WITH NEC 110.16. THE EQUIPMENT MANUFACTURER SHALL PROVIDE AN ARC FLASH HAZARD ANALYSIS TO DETERMINE THE LEVEL OF PERSONAL PROTECTIVE EQUIPMENT (PPE) REQUIRED FOR EACH PIECE OF EQUIPMENT. LABEL SHALL INCLUDE: 1. AT LEAST ONE OF THE FOLLOWING: A. AVAILABLE INCIDENT ENERGY AND THE CORRESPONDING WORKING DISTANCE B. MINIMUM ARC RATING OF CLOTHING C. REQUIRED LEVEL OF PPE D. HIGHEST HAZARD/RISK CATEGORY (ARC) FOR THE EQUIPMENT 2. NOMINAL SYSTEM VOLTAGE 3. ARC FLASH BOUNDARY

PANEL P1 SCHEDULE RESTROOM BLDG table with columns for QTY, LOAD DESCRIPTION, BREAKER POLE, AMP, KVA, BREAKER AMP POLE, LOAD DESCRIPTION, QTY, 19,312 SCA RATING, 22,000 AC RATING.

PANEL LP1 SCHEDULE RECREATION BLDG table with columns for QTY, LOAD DESCRIPTION, BREAKER POLE, AMP, KVA, BREAKER AMP POLE, LOAD DESCRIPTION, QTY, 16,253 SCA RATING, 22,000 AC RATING.

JENKINS ENGINEERING, INC. logo and contact information including address, phone, and website.

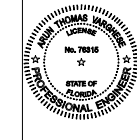
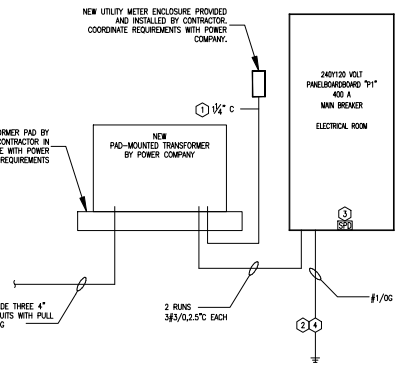
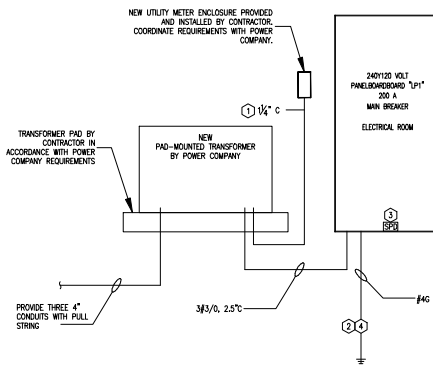


Table with columns for DATE, REV, DESCRIPTION.

FT WALTON BEACH PARK HOLLYWOOD BLVD. FT. WALTON BEACH - FLORIDA project information and drawing details including job number, date, designer, drafter, and sheet number.



SINGLE LINE DIAGRAM - RESTROOM BLDG NOT SO SCALE



SINGLE LINE DIAGRAM - RECREATION BLDG NOT SO SCALE

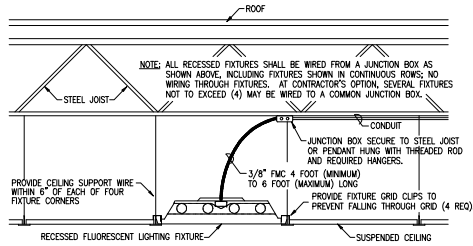
ELECTRICAL SPECIFICATIONS:

- 1. ALL ELECTRICAL WORK SHALL BE IN CONFORMANCE WITH THE NATIONAL ELECTRICAL CODE AND LOCAL CODES AND ORDINANCES. 2. ALL WIRING SHALL BE COPPER CONDUCTORS WITH TYPE THHN OR TYPE THW INSULATION RUN IN CONDUIT... 3. ALL MATERIALS SHALL BE NEW AND UL LISTED FOR THE APPLICATION. 4. PROVIDE TYPED PANELBOARD SCHEDULES IN ALL PANELBOARDS. 5. CONDUITS RUN CONCEALED IN THE HOLLOW SPACE OF NON-MASONRY WALLS OR ABOVE SUSPENDED CEILING SHALL BE EMP. FLEX... 6. CONDUITS USED FOR CONNECTION TO RECESSED LIGHTING FIXTURES SHALL BE FLEX NOT OVER 6 FEET IN TOTAL LENGTH... 7. LIGHTING FIXTURES SHALL BE INSTALLED PLUMB, SQUARE, AND LEVEL WITH THE CEILING, WALL AND IN ALIGNMENT WITH ADJACENT LIGHTING FIXTURES.

SINGLE LINE DIAGRAM KEYNOTES:

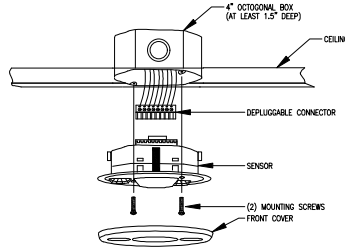
- 1. 1/2" CONDUIT WITH PULL STRING. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE UTILITY AND FURNISH METERING COMPONENTS AS REQUIRED. 2. GROUNDING ELECTRODE SYSTEM SHALL BE IN ACCORDANCE WITH NEC 2020 ARTICLE 250. 3. PROVIDE EXTERNAL, SERVICE ENTRANCE RATED, CATEGORY-C SURGE PROTECTION DEVICE, 10-MODE, 24KA PER PHASE. 4. PROVIDE TWO COPPER #4 3/4"x10" GROUND RODS SPACED 10FT APART. PROVIDE HIGH COMPRESSION DIRECT BURIAL HYDRONL CONNECTORS. THE GROUNDING ELECTRODE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH NEC ARTICLE #250.50. BOND TO BUILDING STEEL, GAS PIPING, WATER PIPING, AND REBAR SYSTEMS.

H.M. YONGE & ASSOCIATES, INC. CONSULTING ENGINEERS, P.E. EST. 1988 contact information including address and phone number.



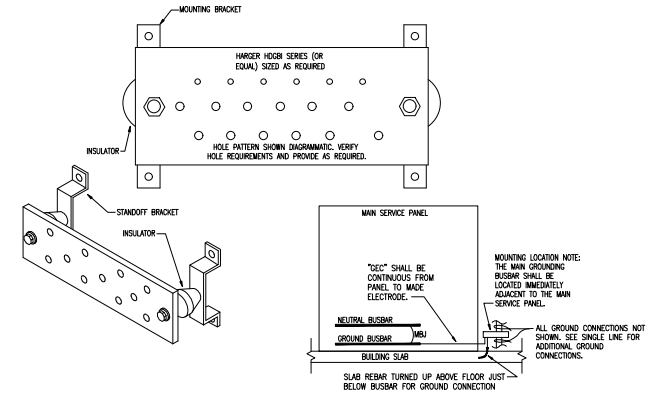
TYPICAL RECESSED FIXTURE INSTALLATION DETAIL

SCALE: NONE



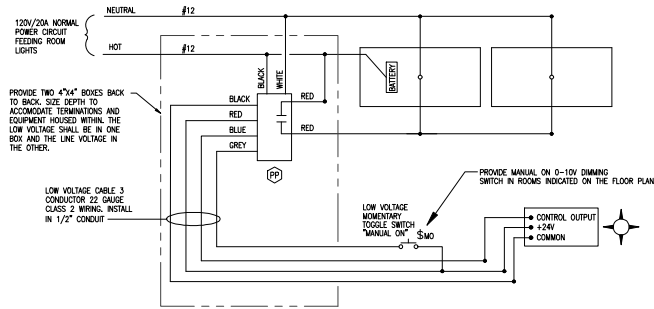
DUAL TECHNOLOGY MOUNTING
DETAIL - CEILING MOUNT

NOT TO SCALE



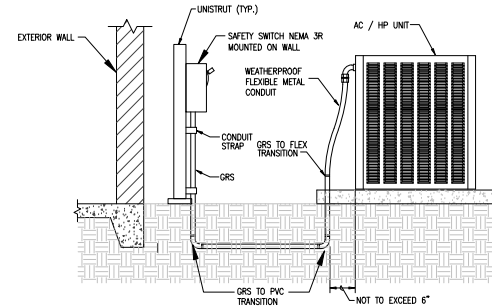
MAIN GROUNDING BUSBAR DETAIL

NOT TO SCALE



TYPICAL OCCUPANCY SENSOR WIRING DIAGRAM

NOT TO SCALE



TYPICAL EXTERIOR AC/HP ELECTRICAL CONNECTION DETAIL

NOT TO SCALE



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 FAX: 850.837.2460



NO.	DATE	DESCRIPTION

FT WALTON BEACH PARK
 HOLLYWOOD BLVD.
 FT. WALTON BEACH • FLORIDA

JOB: 02/29/23
 DATE: TAD
 DESIGNED: TAD
 DRAWN: TAD

H.M. YONGE & ASSOCIATES, INC.
 CONSULTING ENGINEERS, P. EST. 1958
 51 EAST GREGORY STREET
 BROWARD COUNTY, FLORIDA 33002
 PHONE: (954)343-2660

DATE ONE EACH ON ORIGINAL
 IF NOT ONE EACH ON THIS SHEET
 ADJUST SCALES ACCORDINGLY
DRAWING NUMBER
SHEET NUMBER
 E5.0