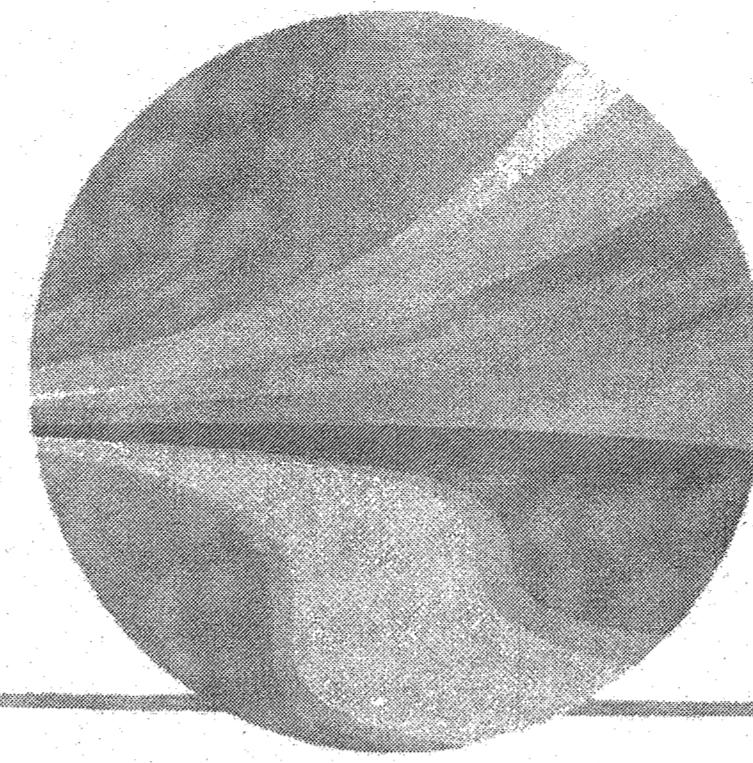


SHEET INDEX

SHEET # SHEET DESCRIPTION
1-3 Construction Plans



CLEARWATER

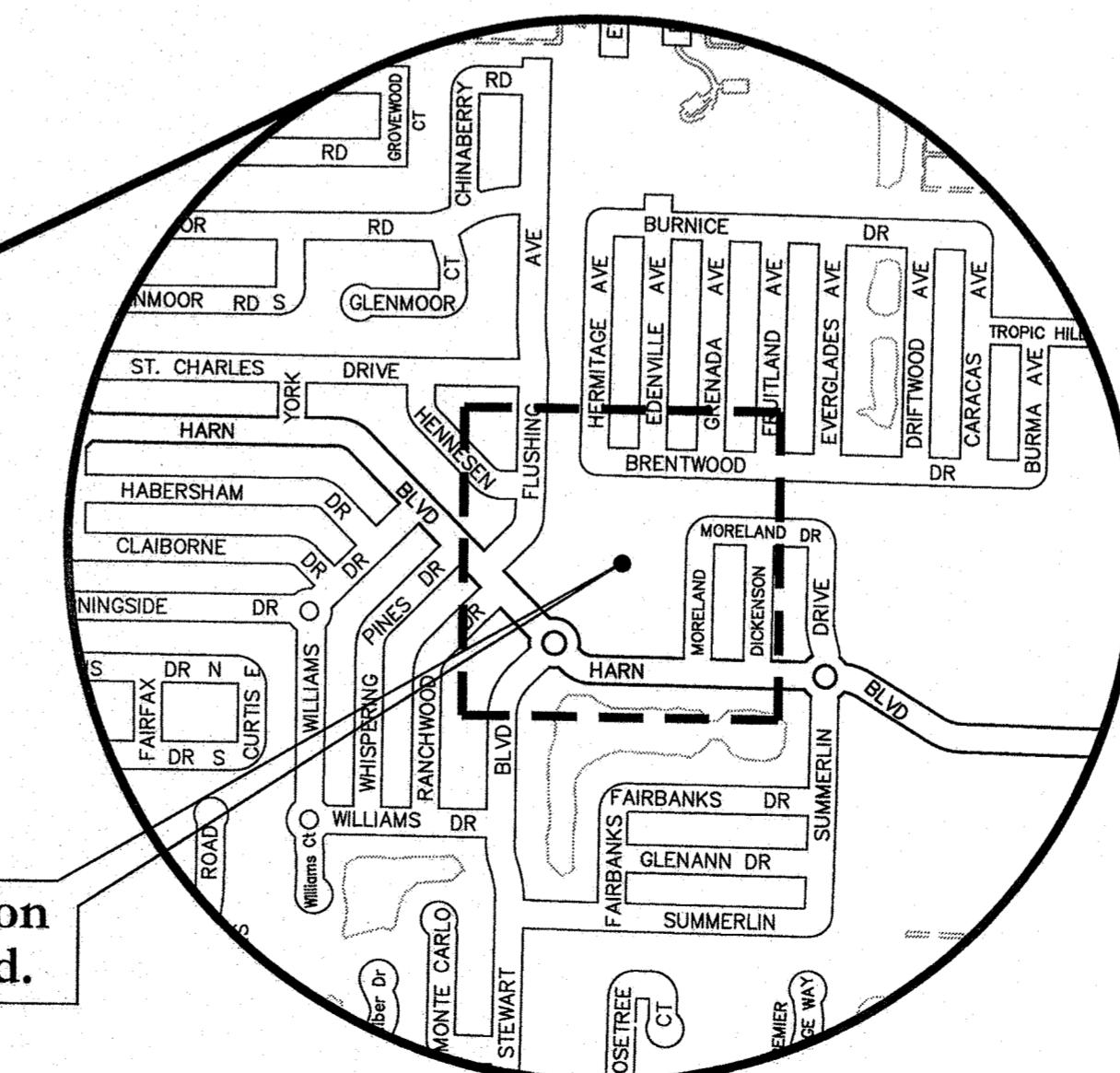
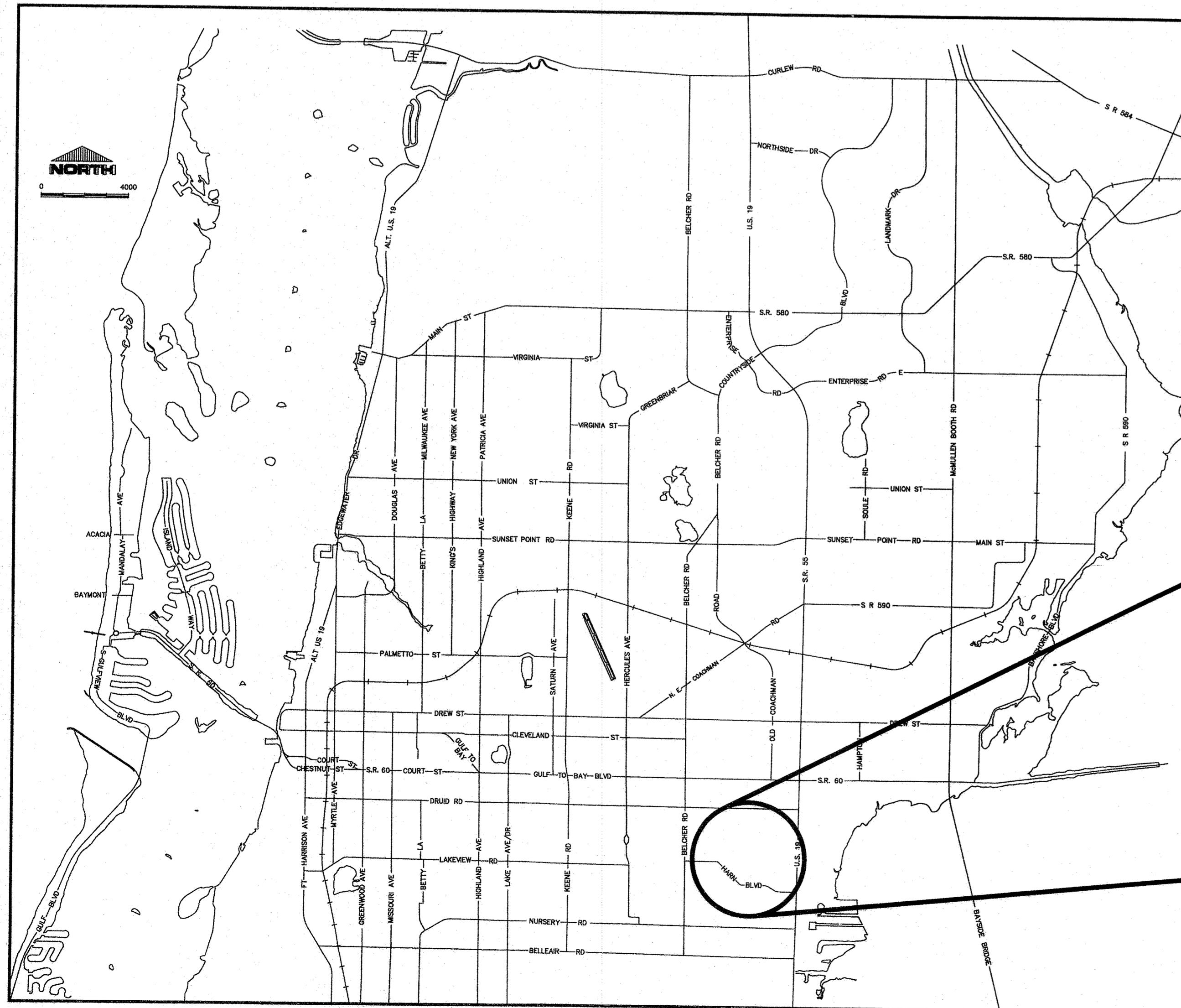
BRIGHT AND BEAUTIFUL • BAY TO BEACH

MORNINGSIDE ATHLETIC CENTER LIGHTING



PREPARED BY:

ADVANCED
ENGINEERING & DESIGN, INC.
CIVIL • MUNICIPAL • SITE DESIGN • PERMITTING • PLANNING
3931 68TH AVENUE NORTH • PINELANDS PARK, FL 33781 • Phone: 727.526.9158 • Fax: 727.527.9683 • www.aed-fl.com



CITY OFFICIALS

George N. Cretekos
Jay Polglaze
Dr. Bob Cundiff
David Allbritton
Hoyt Hamilton
William B. Horne II

Mayor
Councilmember
Councilmember
Councilmember
Councilmember
City Manager

Tara Kivett, P.E.
City Engineer

RECEIVED BY: S.L.
OCT 11 2019
PLANNING & DEVELOPMENT
CITY OF CLEARWATER

Tara Kivett
CITY ENGINEER TARA KIVETT, P.E. #86611

Approved For
Construction

Date Approved

10/11/19

2400 HARN BLVD
BCP2019-100448
MORNINGSIDE ATHLETIC CENTER LIGHTING
Zoning Open Space Recreation Atlas # 3098

City Project No. 19-0035-PR

SYMBOL LIST		
SYMBOL	DESCRIPTION	MOUNTING
(A)	LIGHT FIXTURE, CEILING TYPE LETTER INDICATES TYPE	SEE FIXTURE SCHEDULE
(A)	LIGHT FIXTURE, WALL BRACKET LETTER INDICATES TYPE	SEE FIXTURE SCHEDULE
[]	FLUORESCENT FIXTURE RECESSED IN CEILING	SEE FIXTURE SCHEDULE
[]	FLUORESCENT FIXTURE SURFACE MOUNT TO CEILING	SEE FIXTURE SCHEDULE
[]	SHADED FIXTURES ARE WIRED TO EMERGENCY GENERATOR	SEE FIXTURE SCHEDULE
[]	FLUORESCENT STRIP FIXTURE	SEE FIXTURE SCHEDULE
[]	EXIT FIXTURE, SHADING INDICATES SINGLE OR DOUBLE FACE	SEE FIXTURE SCHEDULE
(C)	POLE WITH TOP FIXTURE	SEE FIXTURE SCHEDULE
(C)	POLE WITH ARM MOUNTED FIXTURE	SEE FIXTURE SCHEDULE
[]	EMERGENCY BATTERY UNIT	SEE FIXTURE SCHEDULE
S	SWITCH, SINGLE POLE-LETTER INDICATES LIGHTS CONTROLLED	48" AFF OR AS NOTED
S	SWITCH, TWO POLE	48" AFF OR AS NOTED
S	SWITCH, THREE WAY	48" AFF OR AS NOTED
S	SWITCH, FOUR WAY	48" AFF OR AS NOTED
S	DIMMER SWITCH	48" AFF OR AS NOTED
S	SWITCH WITH FAN RELAY	48" AFF OR AS NOTED
S	SWITCH, KEY OPERATED	48" AFF OR AS NOTED
S	TIME DELAY SWITCH	48" AFF OR AS NOTED
S	SWITCH WITH PILOT LIGHT	48" AFF OR AS NOTED
O	SINGLE RECEPTACLE, 125V, 15A	18" AFF OR AS NOTED
O	DUPLEX RECEPTACLE, 125V, 15A	18" AFF OR AS NOTED
O	DUPLEX RECEPTACLE, 125V, 15A	6" ABOVE COUNTER
GFI	DUPLEX RECEPTACLE, 125V, 15A	18" AFF OR AS NOTED
GFI	DUPLEX RECEPTACLE, 125V, 15A	44" AFF OR AS NOTED
GFI	DUPLEX RECEPTACLE, 125V, 15A	18" AFF OR AS NOTED
GFI	DUPLEX RECEPTACLE, 125V, 15A (ONE-HALF BUTCHED)	18" AFF OR AS NOTED
O	EXISTING RECEPTACLE	AS NOTED
O	DUPLEX RECEPTACLE, 125V, 15A (FESTEBOX)	CONDUIT AND ON FLOOR SERVICE FITTING
O	DUPLEX RECEPTACLE, 125V, 15A	FLUSH WITH FLOOR
O	DUPLEX RECEPTACLE, 125V, 15A ISOLATED GROUND TYPE	18" AFF OR AS NOTED
O	DUPLEX RECEPTACLE, 125V, 15A ISOLATED GROUND TYPE	44" AFF OR AS NOTED
O	RECEPTACLE, 120-250V, 20A, 2P3U	18" AFF OR AS NOTED
O	QUADRUPLEX RECEPTACLE, 125V, 15A	18" AFF OR AS NOTED
O	QUADRUPLEX RECEPTACLE, 125V, 15A	44" AFF OR 6" ABOVE COUNTER
O	QUADRUPLEX RECEPTACLE, 125V, 15A (FESTEBOX)	CONDUIT AND ON FLOOR SERVICE FITTING
O	QUADRUPLEX RECEPTACLE, 125V, 15A (FLUSH FLOOR BOX)	FLUSH WITH FLOOR
O	RECEPTACLE, 120-250V, 30A, 2P4U (DRYER)	18" AFF OR AS NOTED
O	RECEPTACLE, 120-250V, 30A, 2P4U (RANGE)	18" AFF OR AS NOTED
O	SPECIAL RECEPTACLE AS NOTED	18" AFF OR AS NOTED
■	PANELBOARD 120/208V OR 120/240V	SEE PANEL SCHEDULE
■	PANELBOARD 277/480V	SEE PANEL SCHEDULE
□	DISCONNECT SWITCH SIZE/FUSE/* OF POLES	TOP 60° AFF OR AS NOTED
□	DISCONNECT SWITCH WITH MOTOR STARTER	TOP 60° AFF OR AS NOTED
□	MOTOR STARTER	AS NOTED
Sm	MOTOR STARTER SWITCH WITH OVERLOAD RELAYS AS REQUIRED	AS NOTED
○	MOTOR	AS NOTED
■	ELECTRIC DUCT HEATER	AS NOTED
○	OUTLET BOX WITH FLEXIBLE CONDUIT CONNECTION TO EQUIPMENT	AS NOTED OR REQUIRED
○	OUTLET, JUNCTION OR FULL BOX	AS NOTED OR REQUIRED
	DRIVEN GROUND UNLESS NOTED OTHERWISE	
—	CONDUIT CONCEALED IN CEILING SPACE OR WALL	NUMBER OF WIRES INDICATED AS FOLLOWS
—	CONDUIT IN FLOOR SLAB, CEILING SLAB OR UNDERGROUND	TWO WIRES
—	HOME RUN TO PANEL (HASH MARKS INDICATE NUMBER OF WIRES)	THREE WIRES
—	CONDUIT RUN EXPOSED	FOUR WIRES
—	ISOLATED NEUTRAL AND SEPARATE GROUND CONDUCTORS (CLEAN CIRCUIT)	GROUNDING CONDUCTORS NOT SHOWN EXCEPT FOR CLEAN CIRCUITS

○	CONDUIT RUN UP	AS SHOWN
●	CONDUIT RUN DOWN	AS SHOWN
③ ③ ③ ③	REFER TO LIKE NUMBERED NOTES	

FLOOR LEVEL WITHIN THE SPACE OR 6 INCHES BELOW THE CEILING.
NOTE - THE DEVICE SHALL BE PLACED 80 INCHES ABOVE THE HIGHEST
WHICHEVER IS LOWER.

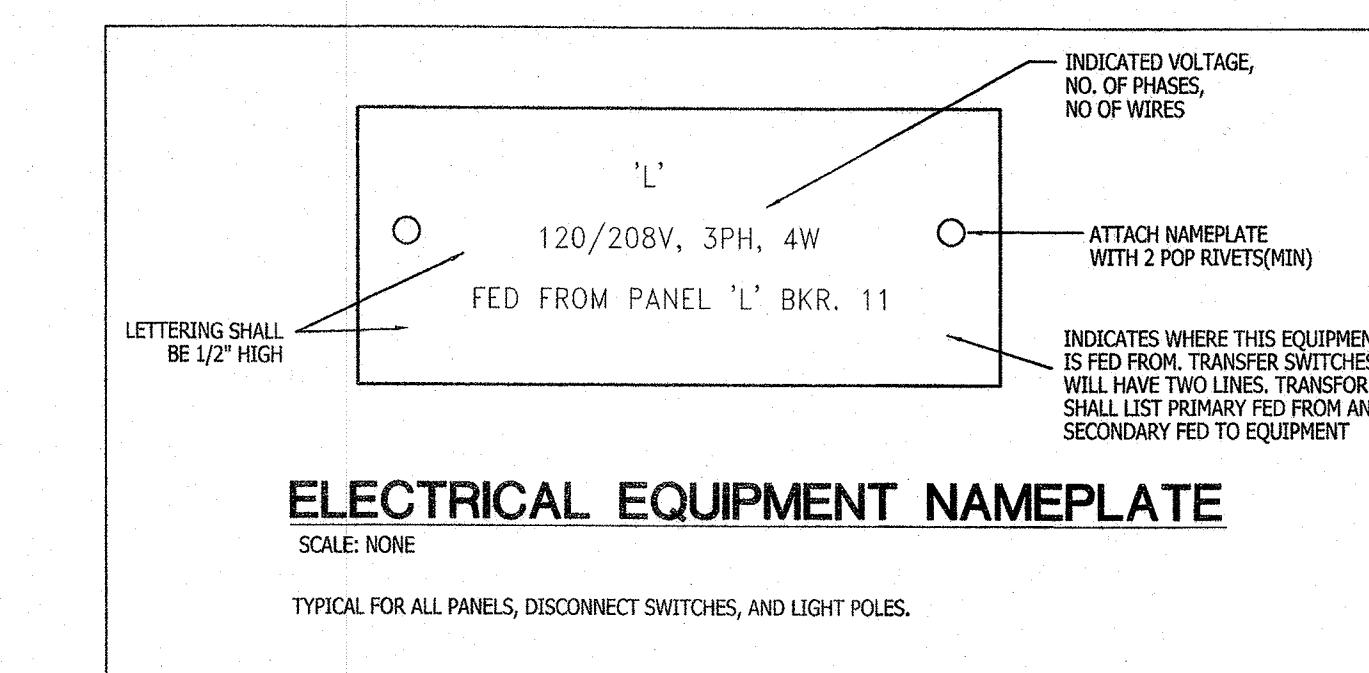
ABBREVIATIONS

AFC - AVAILABLE FAULT CURRENT
AFF - ABOVE FINISHED FLOOR
AHU - AIR HANDLING UNIT
BGS - BELOW GROUND SURFACE
C - CONDUIT
CW - COOL WHITE
DACP - DOOR ALARM CONTROL PANEL
DN - DOWNSPOUT
EF - EXHAUST FAN
EG - EQUIPMENT GROUND
ENCL - ENCLOSURE
EWU - ELECTRIC WATER COOLER
EWH - ELECTRIC WATER HEATER
EXP - EXPANSION PROOF
FCU - FAN COIL UNIT
FH - FRACTIONAL HORSE POWER
FLA - FULL LOAD AMPERES
G - GROUND
GFI - GROUND FAULT INTERRUPTER
HD - HIGH INTENSITY DISCHARGE
HORIZONTAL
IG - ISOLATED GROUND
L - LIGHT
LG - LIGHTING
HVAC - HEATING, VENTILATING, AIR CONDITIONING
JB - JUNCTION BOX
LRA - LOCKED ROTOR AMPERES
MCB - MAIN CIRCUIT BREAKER
MLO - MAIN LINES ONLY
N - NEUTRAL
NL - OUTLET
OB - OUTLET BOX
PB - PUSHBUTTON
PS - PAY STATION
RECEPT - RECEPTACLE
SF - SPECIFICATIONS
SPEC - SPECIFICATIONS
SPECIFICATIONS
SMOKE - SMOKE/EMERGENCY CALL SYSTEM
WIRELESS
TTB - CABLE TV TERMINAL BOARD
TBT - TELEPHONE TERMINAL BOARD
TVB - TELEVISION TERMINAL BOARD
VERT - VERTICAL
WEATHERPROOF
WW - WARM WHITE
XMR - TRANSFORMER

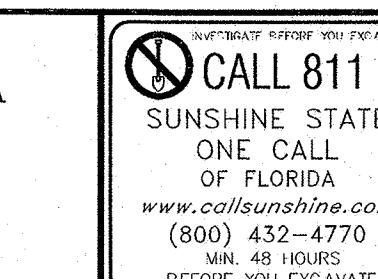
SYMBOL LIST

SYMBOL	DESCRIPTION	MOUNTING
△	TELEPHONE OUTLET (VOICE)	18" AFF OR AS NOTED
▲	TELEPHONE OUTLET (VOICE)	54" AFF OR AS NOTED
▲	TELEPHONE OUTLET (VOICE)	44" AFF OR AS 6" ABOVE COUNTER
▲	TELEPHONE OUTLET (VOICE)	IN FLOOR BOX
▲	COMBO VOICE/DATATV OUTLET W/ COVER PLATE (SEE PLANS)	18" AFF OR AS NOTED
▲	FIRE FIGHTER TELEPHONE JACK	54" AFF OR AS NOTED
○	COMMUNICATION OUTLET	18" AFF OR AS NOTED
□	SOUND SYSTEM CEILING MOUNTED SPEAKER	RECESS FLUSH IN CEILING
□	SOUND SYSTEM VOLUME CONTROL SWITCH	48" AFF OR AS NOTED
□	SOUND SYSTEM MICROPHONE	18" AFF OR AS NOTED
□	PAGING OUTLET	18" AFF OR AS NOTED
□	SOUND SYSTEM WALL MOUNTED SPEAKER	16" AFF OR AS NOTED
TVB	CABLE TV TERMINAL BOARD	AS NOTED
TTB	TELEPHONE TERMINAL BOARD	AS NOTED
TVB	TELEVISION TERMINAL BOARD	AS NOTED
TVB	TELEVISION MONITOR	AS NOTED
TVB	CLOSED CIRCUIT TELEVISION CAMERA	AS NOTED
■	FIRE ALARM MANUAL FULL STATION	48" AFF OR AS NOTED
■	FIRE ALARM SPEAKER/FLASHING LIGHT COMBINATION SIGNAL	20" AFF OR AS SEE NOTE BELOW
M	MINI FIRE ALARM SPEAKER/FLASHING LIGHT COMBINATION SIGNAL	20" AFF OR AS SEE NOTE BELOW
■	FIRE ALARM FLASHING LIGHT SIGNAL	20" AFF OR AS SEE NOTE BELOW
○	FIRE ALARM SMOKE DETECTOR	ON CEILING OR AS NOTED
○	FIRE ALARM SMOKE DETECTOR (WALL MOUNTED)	WALL MTD. 6" BELOW CLG.
○	WALL MOUNTED SMOKE DETECTOR WITH SOUNDER BASE	WALL MTD. 6" BELOW CLG.
○	FIRE ALARM HEAT DETECTOR	ON CEILING OR AS NOTED
FACP	FIRE ALARM CONTROL PANEL	60" AFF TO TOP OR AS NOTED
FAA	FIRE ALARM ANNUNCIATOR	60" AFF TO TOP OR AS NOTED
○	FLOW AND TAMPER SWITCH	AS NOTED
□	DUCT DETECTOR REMOTE TEST/ RESET SWITCH	48" AFF OR AS NOTED
○	DUCT TYPE SMOKE DETECTOR	IN HVAC DUCTWORK
○	SMOKE DAMPER	IN HVAC DUCTWORK
□	RELAY	AS NOTED
■	MAGNETIC DOOR HOLDER	12" AFF OR AS NOTED
■	EXTERIOR F/A AUDIO SIGNAL	90" AFF OR AS NOTED
○	ELECTRIC WATER GONG	AS NOTED
□	PUSH BUTTON	48" AFF OR AS NOTED
□	KEYPAD	48" AFF OR AS NOTED
□	MAG-LOCK CONTACT	AS NOTED

ALL MOUNTING HEIGHTS SHOWN ARE TO THE CENTERLINE OF THE
DEVICE UNLESS NOTED OTHERWISE



CITY OF CLEARWATER, FLORIDA
ENGINEERING DEPARTMENT
100 S. MYRTLE AVE.
CLEARWATER, FL 33756



MANUFACTURER: SQUARE D
TYPE: MLO OR MCB: MCB
FEED: BOTTOM
LOCATION: SURFACE
MAIN WIRE: CU / AL WIRE: CU
ACR RATING: SEE RISER
FEEDER: 200 AMP
SPACES: 30
BREAKER OPTIONS:
EX: EXISTING BREAKER TO REMAIN
LCC: WIRE CIRCUIT THROUGH LIGHTING CONTACTOR CABINET
SEE RISER DIAGRAM FOR WIRE & CONDUIT SIZES
NEMA 3R RATED PANELBOARD

GKT NO.	LOAD	OPT	CODE	KVA	WIRE	BRKR	PHASE	BRKR	WIRE	KVA	CODE	OPT	LOAD	GKT NO.
1	PICNIC SHELTER	L	1.00	1.00	12	20	A	2P	10	1.76	L	EX	BB COURT NORTH POLE	2
3		EX	1.00	1.00	12	2P	B	2P	10	1.76	L	EX	BB COURT SOUTH POLE	4
5	AREASITE LIGHTING POLE	EX	1.00	1.00	12	20	A	2P	10	1.76	L	EX	BB COURT SOUTH POLE	6
7		LOC	0.72	0.72	8	20	A	2P	10	1.76	L	LOC	BB COURT SOUTH POLE	8
9	POLE #T1	LOC	0.72	0.72	10	20	A	2P	10	0.72	L	LOC	BB COURT SOUTH POLE	10
11		LOC	0.72	0.72	10	20	A	2P	10	0.72	L	LOC	BB COURT SOUTH POLE	12
13	POLE #T2A	LOC	0.72	0.72	10	20	A	2P	10	0.72	L	LOC	BB COURT SOUTH POLE	14
15		LOC	0.72	0.72	10	20	A	2P	10	0.72	L	LOC	BB COURT SOUTH POLE	16
17	POLE #T2B	LOC	0.72	0.72	10	20	A	2P	10	0.72	L	LOC	BB COURT SOUTH POLE	18
19		LOC	0.72	0.72	10	20	B	2P	10	0.72	L	LOC	BB COURT SOUTH POLE	20
21	POLE #T4	LOC	0.72	0.72	10	20	A	2P	10	0.72	L	LOC	BB COURT SOUTH POLE	22
23		LOC	0.72	0.72	10	20	B	2P	10	0.72	L	LOC	BB COURT SOUTH POLE	24
25	POLE #T5	LOC	0.72	0.72	12	2P	B	2P	10	0.72	L	LOC	BB COURT SOUTH POLE	26
27		LOC	0.72	0.72	12	2P	B	2P	10	0.72	L	LOC	BB COURT SOUTH POLE	28
29	POLE #T6	LOC	0.72	0.72	12	20	A	2P	10	0.72	L	LOC	BB COURT SOUTH POLE</td	

ELECTRICAL SPECIFICATIONS

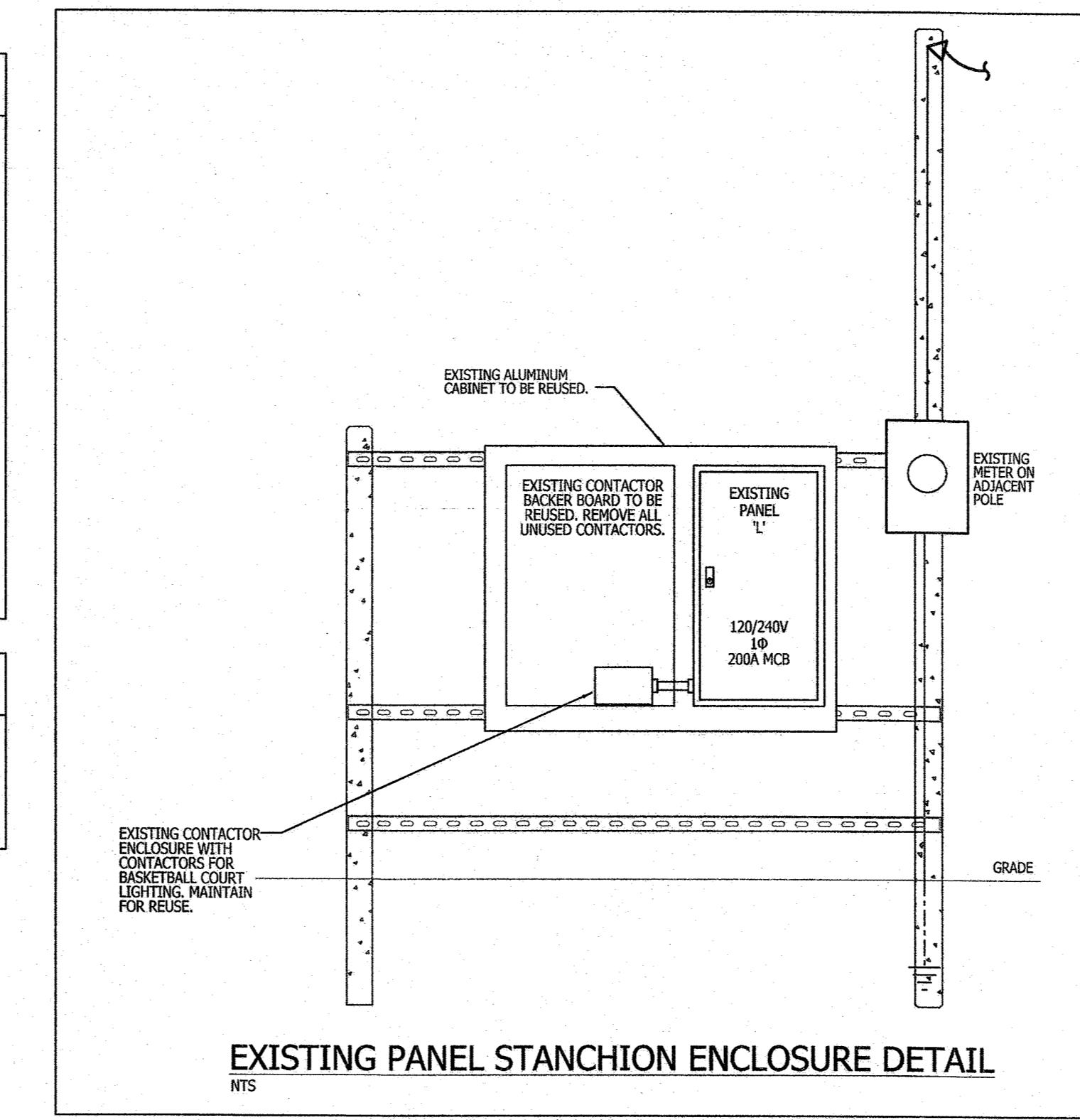
- THE WORK SUBJECT TO THESE SPECIFICATIONS SHALL BE IN CONFORMANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE. THE INSTALLATION SHALL ALSO COMPLY WITH ALL APPLICABLE RULES AND REGULATIONS OF LOCAL AND STATE LAWS AND ORDINANCES.
- ALL ELECTRICAL EQUIPMENT SHALL BE SPECIFICATION GRADE AND SHALL HAVE THE PROPER UL LABEL.
- ACCEPTABLE PANELBOARD MANUFACTURERS INCLUDE GENERAL ELECTRIC, SIEMENS AND CUTLER-HAMMER UNLESS OTHERWISE INDICATED. PROTECTIVE DEVICES SHALL BE MOUNTED WITH TOP OF CABINET OR ENCLOSURE 6'-6" ABOVE FINISHED FLOOR. SHALL BE PROPERLY ALIGNED, AND SHALL BE ADEQUATELY SUPPORTED INDEPENDENTLY OF THE CONNECTING RACEWAYS, ANY AND ALL STEEL CLOTHING SHALL BE PROVIDED BY THE CONTRACTOR. ALL EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR WHERE THE BUILDING STRUCTURE IS NOT SUITABLE FOR MOUNTING THE EQUIPMENT DIRECTLY THEREON UNLESS OTHERWISE INDICATED. ALL BRANCH CIRCUIT PROTECTIVE DEVICE ENCLOSURES SHALL BE NEMA TYPE I. GENERAL PURPOSE TYPE CIRCUIT PROTECTIVE DEVICES INSTALLED OUTDOORS OR EXPOSED TO THE WEATHER SHALL HAVE WEATHERPROOF ENCLOSURES, NEMA TYPE 3R OR TYPE 4.
- ALL 5A SPDT SWITCHES SHALL BE GENERAL DUTY TYPE. SWITCH MECHANISM TO PREVENT OPENING UNLESS SWITCH IS IN THE "OFF" POSITION. ALL ENCLOSURES SHALL BE PAINTED AND FINISHED TO RESIST RUSTING AND CORROSION. SWITCHES SHALL BE SQUARE-D, SIEMENS, GENERAL ELECTRIC OR CUTLER-HAMMER.
- CIRCUIT BREAKERS FOR MOUNTING IN HOUSE PANELBOARD SHALL BE BOLT-ON TYPE. MOLDED PLASTIC CASE, AIR CIRCUIT BREAKER TYPE. BREAKERS SHALL HAVE THERMAL MAGNETIC TRIP UNITS AND MULTI-POLE BREAKERS SHALL HAVE A COMMON TRIP BAR SO THAT THE TRIPPING OF ONE POLE WILL AUTOMATICALLY TRIP ALL POLES OF THE BREAKER. BREAKERS SHALL BE TRIP FREE AND TRIP INDICATING AND SHALL HAVE QUICK-MAKE, QUICK-BREAK CONTACTS.
- UPON COMPLETION OF WORK, CORRECT ALL PANELBOARD CIRCUIT DIRECTORY CARDS TO REFLECT AS-BUILT CONDITIONS. THE CONTRACTOR SHALL TURN OVER THE CIRCUIT DIRECTORY. DIRECTORY SHALL REFLECT RECORD CONDITIONS AND INCLUDE CIRCUIT NUMBER, TYPE AND LOCATION OF LOAD. A SET OF AS-BUILT DRAWINGS SHALL ALSO BE PREPARED AND TURNED OVER TO THE OWNER.
- UNLESS SPECIFICALLY NOTED ON DRAWINGS, RACEWAYS SHALL COMPLY WITH THE FOLLOWING: RACEWAYS EXPOSED TO THE WEATHER OR IN DAMP LOCATIONS, SHALL BE GROUTED AND WIREMEN'S CONNECTIONS. RACEWAYS SHALL BE PAINTED FOR RE-CONSTRUCTION, BUT A MINIMUM 1/2". FULL SIZE MC CABLE IS ACCEPTABLE IN DRY LOCATIONS. HOMERUNS TO PANELS SHALL BE IN CONDUIT.
- RACEWAYS RUN BELOW GRADE SHALL BE RIGID STEEL CONDUIT WITH A REDUNDANT GROUND PATH INCLUDED. RACEWAYS RUN EXPOSED ON BUILDING EXTERIOR SHALL BE RIGID STEEL CONDUIT.
- ALL METALLIC RACEWAYS SHALL BE MECHANICALLY AND ELECTRICALLY SECURE AT ALL JOINTS AND AT ALL BOXES, CABINETS, FITTINGS, AND EQUIPMENT.
- ALL RACEWAYS SHALL BE SECURELY SUPPORTED FROM THE BUILDING STRUCTURE.
- ALL RACEWAYS SHALL BE PROVIDED WITH AN EQUIPMENT GROUND CONDUCTOR.
- ALL BOXES SHALL BE RIDGELY MOUNTED AND SHALL BE EQUIPPED WITH SUITABLE SCREW FASTENED COVERS. OPEN KNOCK-OUTS OR HOLES IN BOXES SHALL BE PLUGGED WITH A SUITABLE BLANKING DEVICE.
- UNLESS OTHERWISE INDICATED, ALL CONDUCTORS SHALL BE COPPER NO. 12 AWG. MINIMUM OR SIZE AS SHOWN ON DRAWINGS. CONDUCTORS SHALL HAVE TYPE THHN/THWN INSULATION.
- SPICES, TAPS AND ATTACHMENT FITTINGS AND LUGS SHALL BE ELECTRICALLY AND MECHANICALLY SECURE AND SOLDERLESS FOR CONDUCTORS SIZES NO. 8 AWG AND LARGER. THERE SHALL BE PLENTY OF SLACK CABLE IN BOXES, OUTLETS AND CABINETS TO INSURE THAT THERE IS NO BINDING ON THE CONDUCTORS. ALL JUGGS SHALL BE OF THE CORRECT SIZE FOR THE CONDUCTORS INSTALLED AND IN NO CASE SHALL JUGGS BE PUT FROM CONDUCTOR TO CONDUCTOR OR FROM THE CONDUCTOR INTO A LUG. TAPE OF JOINTS SHALL BE WITH VINYL PLASTIC ELECTRICAL TAPE TO INSURE INSULATION STRENGTH EQUAL TO THAT OF THE CONDUCTORS JOINED.
- THE INTERIOR ELECTRICAL SYSTEMS SHALL BE COMPLETELY AND EFFECTIVELY GROUNDED AS REQUIRED BY THE NEC AND AS SPECIFIED HEREINAFTER.
- CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS.
- THE CONTRACTOR SHALL VERIFY ALL LOCATIONS WITH THE OWNER PRIOR TO INSTALLATION. THEY SHALL NOT BE CHARGED FOR MINOR LOCATION CHANGES PRIOR TO INSTALLATIONS. LOCATIONS ARE APPROXIMATE. (DO NOT SCALE DRAWINGS).
- THESE DRAWINGS ARE DIAGRAMMATIC AND SHOW GENERAL ELECTRICAL LAYOUTS FOR BIDDING PURPOSES ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PREPARE DETAILED SHOP DRAWINGS AND CONFIRM SPACE ALLOCATIONS.
- THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ALL DISCIPLINES FOR ELECTRICAL CONDUIT ROUTING AND EQUIPMENT PLACEMENT. AVOID INTERFERENCE WITH ARCHITECTURAL AND STRUCTURAL FEATURES SUCH AS BEAMS, FOOTINGS, WINDOWS, ETC. NOTIFY ARCHITECT/ENGINEER IMMEDIATELY OF ANY CONFLICTS.
- THE ELECTRICAL CONTRACTOR, AND THE GENERAL CONTRACTOR PROJECT MANAGER SHALL INSPECT AND REVIEW THE CONDITIONS, AND SHALL COORDINATE THEIR WORK SO AS TO PROVIDE ADEQUATE SPACE ALLOWANCE ABOVE CEILING FOR ALL TRADES.
- THE PLANS SHOW THE LOCATION OF ALL FIXTURES AND EQUIPMENT AND ARE INTENDED TO DEPICT THE GENERAL INTENT OF THE WORK IN SCOPE, LAYOUT AND QUALITY OF WORKMANSHIP. THEY ARE NOT INTENDED TO SHOW IN MINUTE DETAIL EVERY AND ALL ACCESSORY INTENDED FOR THE PURPOSE OF EXECUTION OF THE WORK, BUT SHALL BE UNDERSTOOD THAT SUCH DETAILS WILL BE PART OF THIS WORK.
- THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL A COMPLETE AND FUNCTIONAL ELECTRICAL SYSTEM INCLUDING CONTROLS AND CONNECTIONS TO NEW SERVICES, SUPPORTS, AND HARDWARE REQUIRED FOR THE SATISFACTORY OPERATION OF THE SYSTEM, WHETHER SPECIFICALLY SHOWN OR NOT ON THE DRAWINGS.

GENERAL NOTES

- CONTRACTOR SHALL INSTALL A GREEN EQUIPMENT GROUNDING WIRE IN ALL CONDUITS AND SHALL BOND THE GROUND WIRE TO ALL DEVICES AND ELECTRICALLY WIRED EQUIPMENT. BONDING SHALL BE INSTALLED IN ACCORDANCE WITH TABLE 250-122 OF THE NEC.
- PROVIDE SEPARATE NEUTRAL CONDUCTORS FOR ALL 120V SINGLE POLE CIRCUITS PER NEC ARTICLE 210.4. TYPICAL THROUGHOUT.
- ALL CIRCUITS SHOWN SHALL CONSIST OF ALL NEW MATERIALS (CONDUIT, CONDUCTORS, AND CIRCUIT BREAKERS).
- PANELBOARD SHALL HAVE TYPED LAMINATED CIRCUIT DIRECTORY.
- THE CONTRACTOR SHALL PROVIDE ALL ITEMS REQUIRED FOR A COMPLETE AND FULLY OPERATIONAL ELECTRICAL DISTRIBUTION SYSTEM.
- BIDDERS ARE TO VISIT THE SITE AND FAMILIARIZE THEMSELVES AS TO THE NATURE AND SCOPE OF THE WORK. THE SUBMISSION OF A BID WILL BE EVIDENCE THAT SUCH AN EXAMINATION HAS BEEN MADE. LATER CLAIMS FOR LABOR, EQUIPMENT OR MATERIALS REQUIRED, OR FOR DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN HAD AN EXAMINATION BEEN MADE, WILL NOT BE ALLOWED.
- COORDINATE WITH OTHER TRADES FOR ITEMS IN THEIR SCOPE OF WORK WHICH WOULD REQUIRE ELECTRICAL WORK DISCONNECTION, RECONNECTION, ETC. AND ARE NOT INDICATED ON THE ELECTRICAL PLANS.

PLAN KEYED NOTES

- PROVIDE CONDUIT AND WIRING REQUIRED TO POWER NEW POLES AS INDICATED ON PLANS.



0' 16' 32'
SCALE: 1/16" =
GRAPHIC SCALE (IN FEET)

NORTH

APPROXIMATE POLE LOCATION.
VERIFY EXACT LOCATION WITH
MUSCO. TYPICAL FOR ALL POLES.

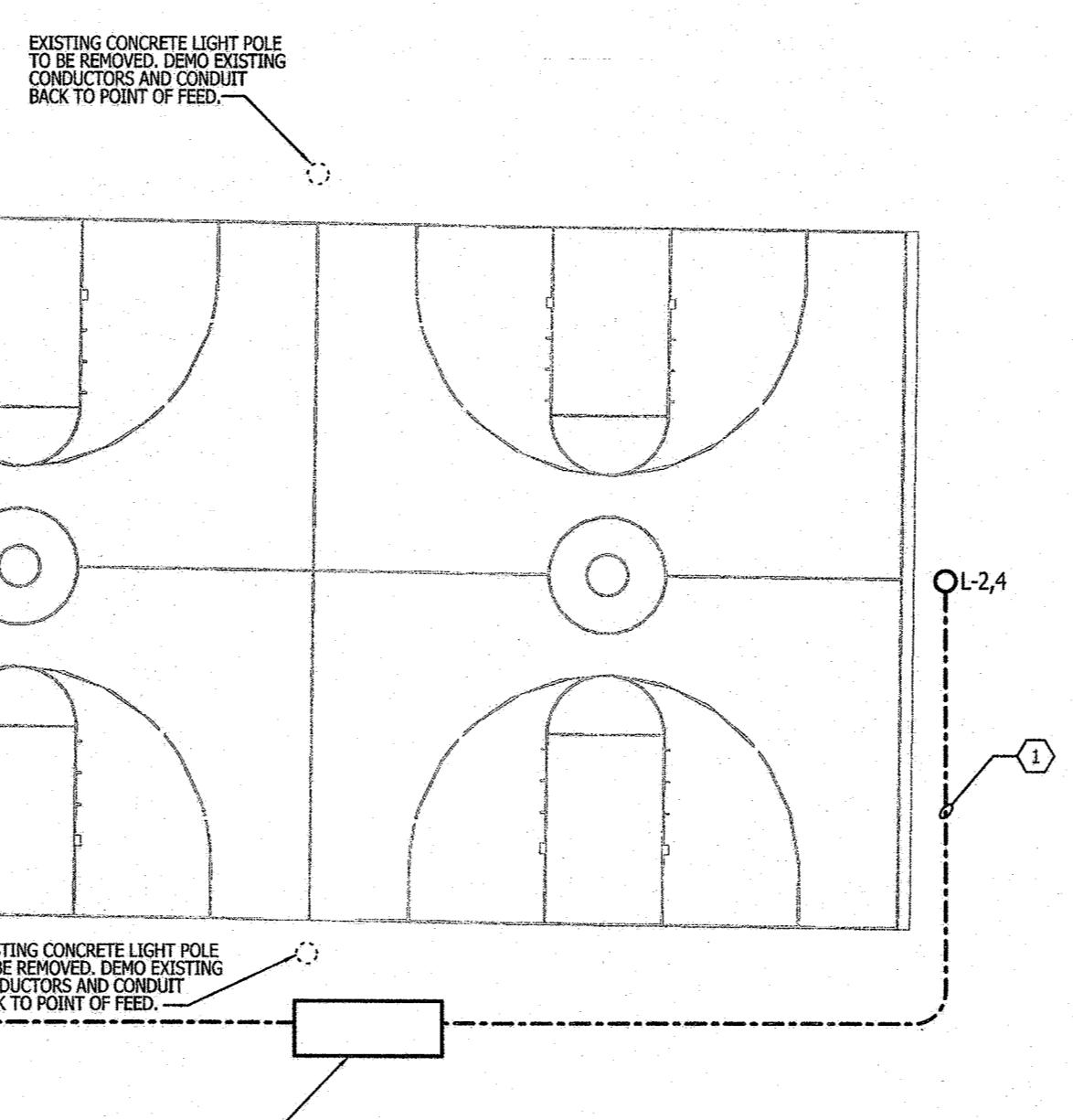
L-7,9

L-11,13

L-15,17

L-27,29

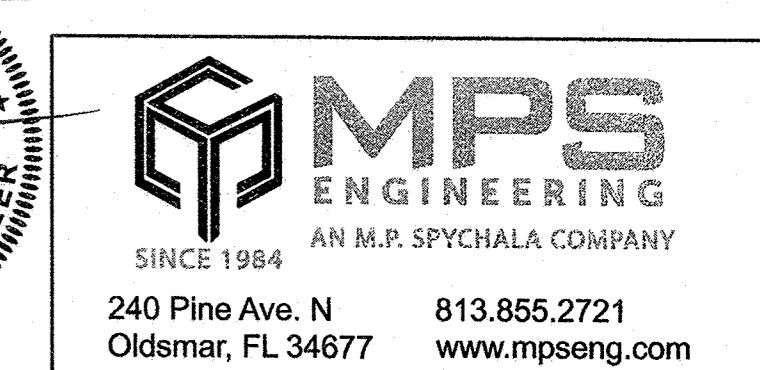
LIGHTING DESIGN FOR BOTH BASKETBALL AND
TENNIS COURTS ARE TO A MINIMUM OF 30 FC.



RECEIVED BY: CL.

OCT 11 2019

PLANNING & DEVELOPMENT
CITY OF CLEARWATER



RECORD DRAWINGS	DRAWN BY:	
SURVEYED BY:		
REVIEWED BY:		
PROJECT ENGINEER	DATE	
APPROVED BY:		
	DATE	
	REVISION	BY DATE

CITY OF CLEARWATER, FLORIDA
ENGINEERING DEPARTMENT
100 S. MYRTLE AVE.
CLEARWATER, FL 33756



MORNINGSIDE ATHLETIC CENTER LIGHTING

DRAWN BY: E11	FILED DRAWN: 05/17/19	SURVEYED BY: V.R.T. N / A
CONTRACT NO: 19-0035-PR	DATE DRAWN: 05/17/19	UNKNOWN BY: R.J.D.
JOB NO.: 219051	DESIGNED BY: R.J.D.	CHECKED BY: S.J.R.
APPROVED FOR CONSTRUCTION		
SHEET NO.: 1		

