

PARKING SPACES
 Minimum FLD
 Average = 2.0
 Minimum = 1.0
 Maximum = 4.0
 Average FLD
 Average = 2.0
 Minimum = 1.0
 Maximum = 4.0

Luminaire Schedule

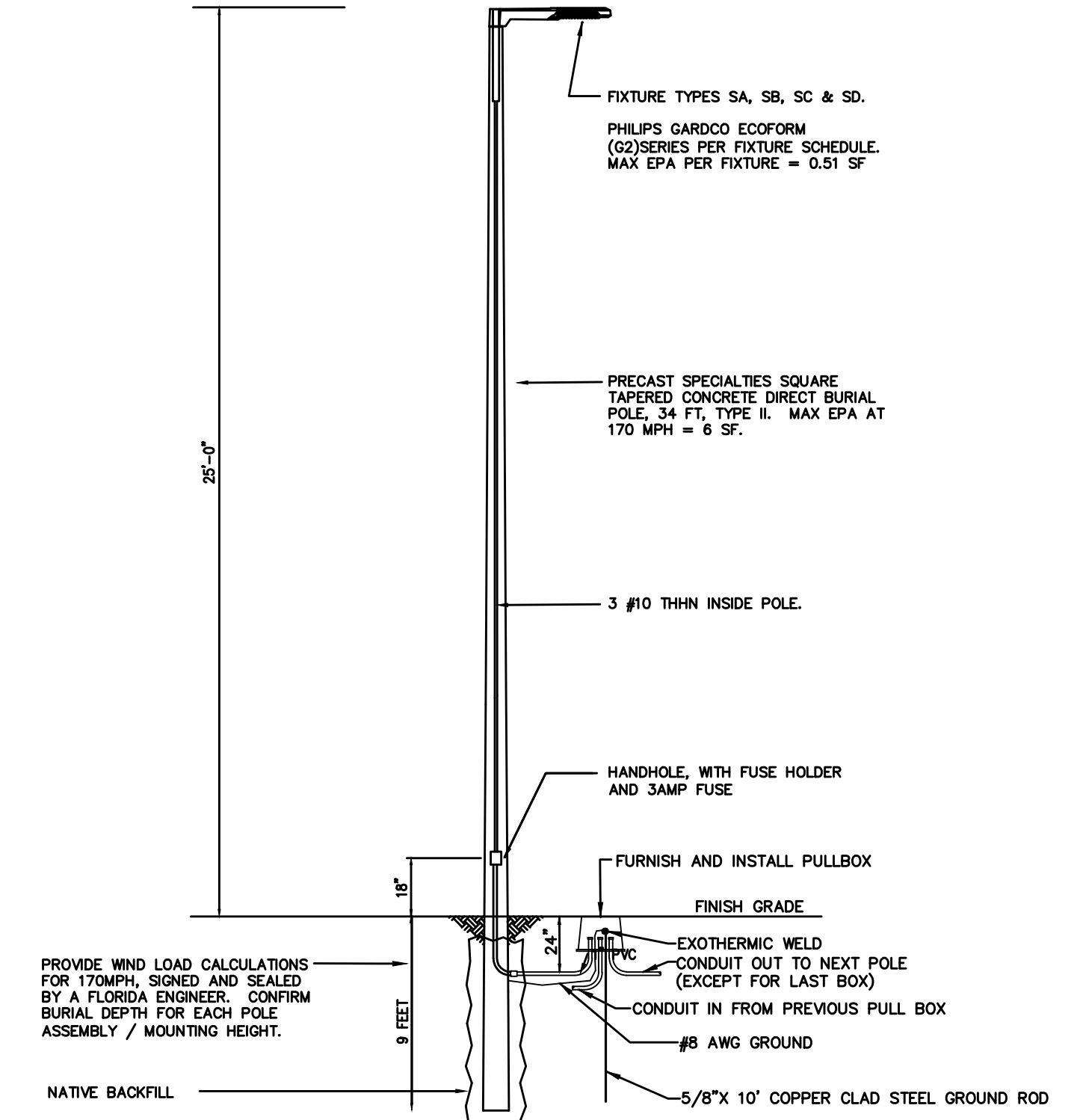
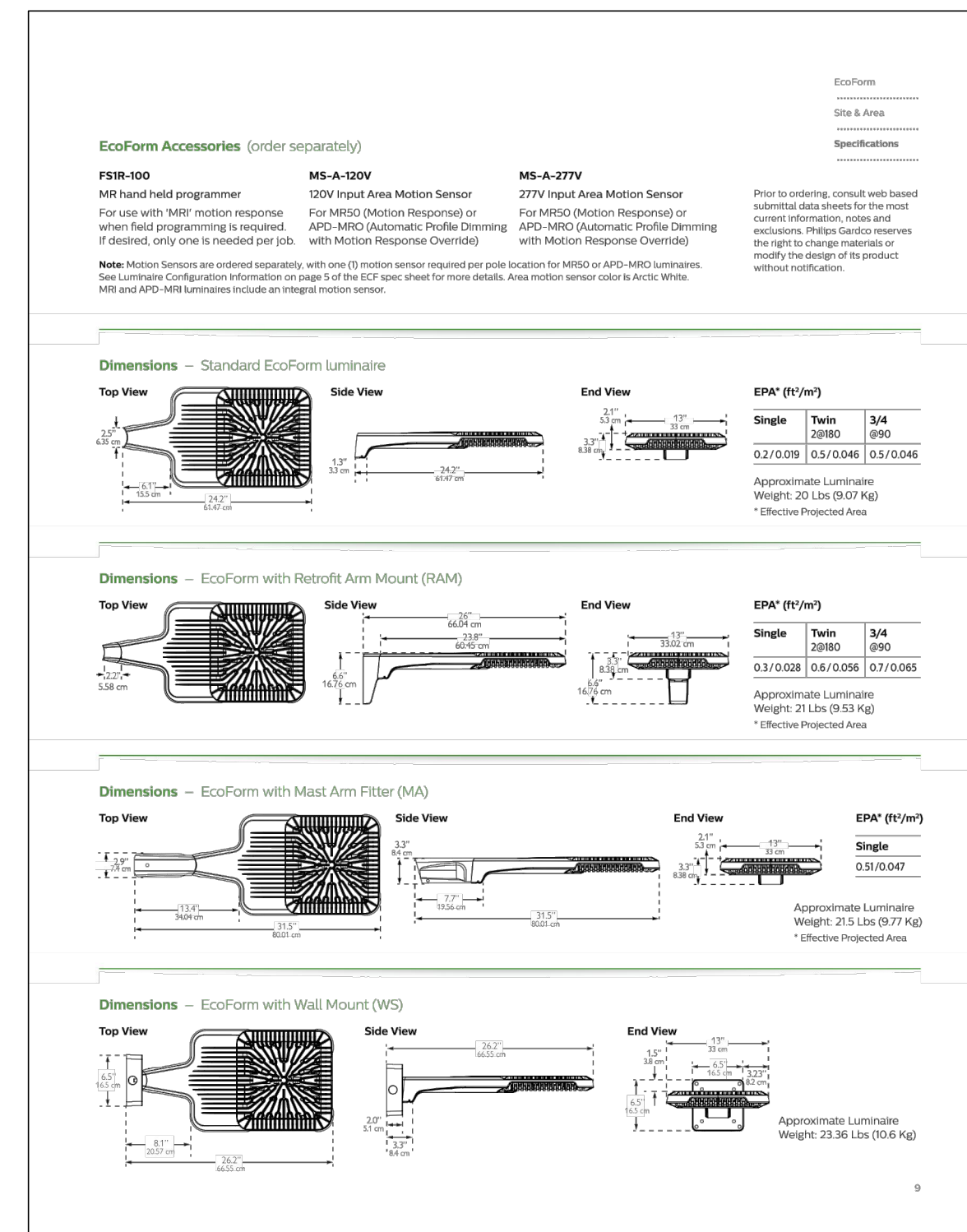
Project: FRESH WIND FRESH FIRE CHURCH 01-22-2018

Symbol	Qty	Label	Description	Lumens/Lamp	LLD	LDD	BF	LLF	Lum. Watts	Total Watts
SA	2	SA	PHILIPS GARDCO ECF-S-64L-900-NW-G2-S POLE MOUNT 25' AFG	N.A.	0.900	0.900	1.000	0.810	181.1	362.2
SB	1	SB	PHILIPS GARDCO ECF-S-32L-700-NW-G2-2-HIS POLE MOUNT 25' AFG	N.A.	0.900	0.900	1.000	0.810	74.1	74.1
SC	4	SC	PHILIPS GARDCO ECF-S-48L-1A-NW-G2-4-HIS POLE MOUNT 25' AFG	N.A.	0.900	0.900	1.000	0.810	161	644
SD	6	SD	PHILIPS GARDCO ECF-S-48L-1A-NW-G2-3-HIS POLE MOUNT 25' AFG	N.A.	0.900	0.900	1.000	0.810	161	966

Calculation Summary

Project: FRESH WIND FRESH FIRE CHURCH 01-22-2018

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
EGRESS 1	Illuminance	Fc	2.26	3.1	1.1	2.05	2.82
EGRESS 2	Illuminance	Fc	2.00	2.7	1.4	1.43	1.93
NORTH PROPERTY LINE	Illuminance	Fc	0.17	0.4	0.0	N.A.	N.A.
SOUTH PROPERTY LINE	Illuminance	Fc	0.39	0.5	0.0	N.A.	N.A.
DRIVES	Illuminance	Fc	2.54	4.8	0.5	5.08	9.60
PARKING SPACES	Illuminance	Fc	2.70	4.8	1.2	2.25	4.00



LIGHT POLE DETAIL "SA", "SB", "SC", & "SD" N.T.S.

PHOTOMETRIC ANALYSIS NOTES:

THIS PARKING AREA IS WITHIN THE CITY OF FORT PIERCE, AND IS SUBJECT TO LIGHTING REGULATIONS FOUND IN CHAPTER 22, ARTICLE IV, SECTIONS 22-58 AND 22-60 OF THE FORT PIERCE MUNICIPAL CODE.

22-58 CODE REQUIRES THE INTERIOR SIDEWALKS SHALL BE PROVIDED WITH A MINIMUM AVERAGE OF ONE FOOT-CANDLE. THIS PLAN PROVIDES DATA POINTS INSIDE AND ADJACENT TO INTERIOR SIDEWALKS THAT GENERALLY EXCEED 1 FOOT-CANDLE BUT NEVER EXCEED 3 FOOT-CANDLES. THIS PROVIDES CONFORMANCE WITH THE CODE MAXIMUM UNIFORMITY LIMIT OF 10:1 FOR SIDEWALKS.

22-60 (1) CODE REQUIRES THE OFF-STREET PARKING IN THIS CASE SHALL BE PROVIDED WITH A MINIMUM AVERAGE OF ONE FOOT-CANDLE ON THE PAVEMENT. THIS PLAN PROVIDES AN AVERAGE OF 2.7 FOOT-CANDLES IN THE PARKING AREAS. (2) THIS PLAN PROVIDES A UNIFORMITY RATIO OF 2.25 TO 1 IN THE PARKING AREAS, WHICH COMPLIES WITH CODE. (3) LIGHTING CONTROL IS BY ASTRONOMIC TIME CLOCK. THIS COMPLIES WITH CODE. (4) MAXIMUM SPILL AT THE NORTH AND SOUTH PROPERTY LINES IS 0.5 FC. THIS COMPLIES WITH CODE. IT IS PROPOSED THAT SPILL ONTO THE SIDEWALKS OF 25TH AND 26TH STREETS IMPROVES SAFETY AND IS NOT OBJECTIONABLE.

THE LIGHTING PLAN USES FULL CUTOFF FIXTURES MOUNTED AT HEIGHTS OF 25 FEET ON POLES, USING R2, R3, R4, AND R5 AREA DISTRIBUTIONS. FIXTURES ARE FULL-CUTOFF TYPE. LIGHTING TECHNOLOGY IS LED.

SITE PHOTOMETRIC ANALYSIS
 N.T.S.

Fort Pierce Engineering, Inc.
 Dependable Mechanical, Electrical & Plumbing Design & Plumbing Design
 C.A. No. 28173

315 South 7th Street
 Fort Pierce, FL, 34950
 Phone: 772 672-4636
 Fax: 772 672-4637

PROJECT NAME: FRESH WIND FRESH FIRE CHURCH
 PROJECT LOCATION: 25TH B. AVE. C FORT PIERCE, FL

CLIENT: ARCHITECTONIC INC. 806 DELAWARE AVE. FORT PIERCE, FLORIDA 34950

ENGINEER SEAL
 TIMOTHY C. TREWYN
 LICENSE No. 61580
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 Timothy C. Trewyn, PE
 P.E. No. 61580

THESE DOCUMENTS, ALONG WITH THE CONCEPTS AND OR REVISIONS HERETO, ARE THE PROPERTY OF FORT PIERCE ENGINEERING, INC. WHICH THEY ARE PREPARED UNDER CONTRACT AND ARE NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF FORT PIERCE ENGINEERING, INC. THE USER OF THESE DOCUMENTS SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AUTHORITIES. FORT PIERCE ENGINEERING, INC. SHALL BE HELD HARMLESS FROM ANY AND ALL LIABILITY TO THE USER OF THESE DOCUMENTS.

SHEET TITLE: SITE PHOTOMETRIC ANALYSIS
 ISSUE DATE: 01-26-2018
 DRAWN: JS/TCT
 APPROVED: TCT
 DRAWING NUMBER: E-1.2
 SHEET 1 OF 1
 17001-20