



STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
PLANNING AND DESIGN DIVISION
1705 E. JACKSON STREET 4 NORTH
TAMPA, FLORIDA 33602
P: 813. 274. 8456 - F: 813. 274. 8080
URL: www.tampagov.net

James E. Jackson, Jr. AIA, NOMA
City Architect
Edward D. Rice, AIA
Project Architect
Kevin L. Henka, AIA
Project Architect
Thomas A. Hester, Sr., AIA, NOMA
Project Architect
David R. Pagitt
Supervisor, Architectural Drafting
Kinsey C. Tillman
Drafting Technician
Jerry P. Sanders
Drafting Technician
Byron K. Thomas, LEED AP
Drafting Technician

MEP CONSULTANT
GRINER ENGINEERING, INC.
1628 1st AVENUE NORTH
ST. PETERSBURG, FL 33713

STRUCTURAL CONSULTANT
BILLER REINHART
STRUCTURAL GROUP, INC.
4014 GUNN HWY. SUITE 248
TAMPA, FL 33713

CIVIL CONSULTANT
B M CIVIL LLC
12315 WYCLIFF PLACE
TAMPA, FL 33626

LANDSCAPE CONSULTANT
DAVID CONNER & ASSOCIATES
1503 W. SWANN AVENUE SUITE 255
TAMPA, FL 33606

FIRE STATION 23
20770 TROUT CREEK DR.
TAMPA, FL 33647

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SEAL

Jose A Rosario, P.E. FL. 74457

SCALE: N.T.S.

ELECTRICAL LIGHTING
FIXTURE SCHEDULE AND
CONTROL PANEL DETAILS

SHEET NUMBER

E5.1

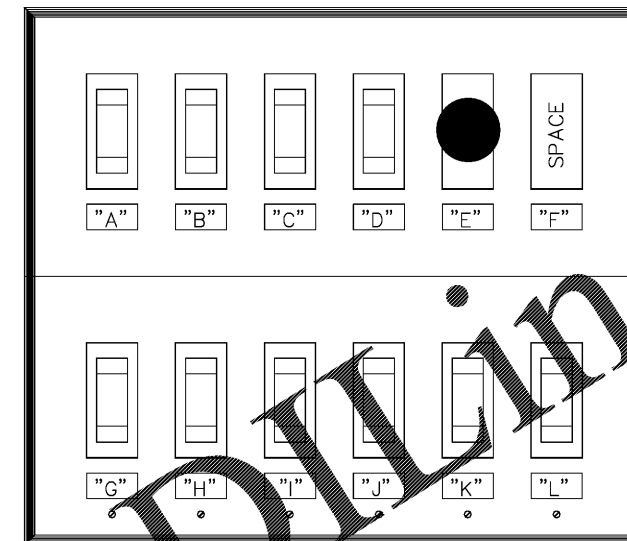
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FIRE STATION #23, TAMPA FLORIDA									
LIGHTING FIXTURE SCHEDULE									
TYPE	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	LAMPS		VOLTS	MOUNTING	REMARKS/PROVIDE	INPUT WATTS
				Qty	Type				
A	WILLIAMS	LT-22-L34/840-AF-DIM-UNV	LOW PROFILE LED 2x4 TROFFER	1	LED	120	RECESSED	1. UL LISTED FOR DAMP LOCATION	40
B	LUMINAIRE	VFP84-25W-4000K-120/277-OP-WHT-WET	RECESSED LUMINAIRE WITH ALL ALUMINUM CONSTRUCTION	1	LED	UNV	SURFACE	1. UL LISTED FOR WET LOCATION	50
D	WILLIAMS	BS100LED-4HT-HO-WT40-120/277	4' LED, DLC LINEAR AMBIENT LUMINAIRE, UV STABILIZED POLYCARBONATE DIFFUSER	1	LED	120	SURFACE	1. UL LISTED FOR DAMP LOCATION	50
F	WILLIAMS	39-4-L30/840-A-DIM-UNV	SURFACE MOUNT WRAP	1	LED	120	SURFACE	1. UL LISTED FOR DAMP LOCATION	25
F1	WILLIAMS	39-4-L52/840-A-DIM-UNV	SURFACE MOUNT WRAP	3	LED	120	SURFACE	1. UL LISTED FOR DAMP LOCATION	51
T	HYDREL	8100-P3-40K-MVOLT-WEL	LED FLOOD LIGHT	1	LED	120	GRADE	1. UL LISTED FOR WET LOCATION. 2. WIDE DISTRIBUTION.	129
X	BEGHELLI	VA5 R HT	THERMOPLASTIC EXIT SIGN, DAMP LOCATION		LED	120	SURFACE	1. UL LISTED FOR DAMP LOCATION	3
AA	PHILIPS	101L-16L-530-NW-G1-4-EBPC-UNV	EXTERIOR WALL MOUNTED LED LIGHT FIXTURE	1	LED	120	WALL	1. UL LISTED FOR WET LOCATION	52
BB	WILLIAMS	L60-L30C-840-CS-M-120/277-DIM	6" RECESSED DOWNLIGHT, DAMP LOCATION	1	LED	120	RECESSED	1. UL LISTED FOR DAMP LOCATION	64
DD	BEGHELLI OR EQUAL	BS100LED-4HT-HO-WT40-120/277	HIGH LUMINOUS EFFICIENCY PARABOLIC STEEL REFLECTOR, UV STABILIZED POLYCARBONATE DIFFUSER	2	LED	120	SURFACE		70

LIGHTING NOTES:

- EQUAL MANUFACTURER SHALL BE: LITHONIA LIGHTING, DAYBRITE LIGHTING, COOPER LIGHTING AND COLUMBIA LIGHTING.
- CONFIRM ALL CEILING TYPES, LOCATIONS AND MANUFACTURER MODEL NUMBERS PRIOR TO BID AND ORDERING.
- PROVIDE COMPLETE INDEPENDENT AND SECURE SUPPORT FROM THE BUILDING STRUCTURE FOR ALL LUMINAIRES. THE LUMINAIRES SHALL BE SUPPORTED FROM ALL CEILING TYPES.
- ALL LAMPS SHALL BE 90+ CRI AND 3500K OR AS NOTED.
- ALL FLUORESCENT BALLASTS SHALL BE PROGRAMMABLE/RAPID START "HIGH FREQ" ELECTRONIC WITH MAXIMUM 10% THD, FUSED AND UNIVERSAL VOLTAGE 120/277V, OSRAM/SYLVANIA.
- ALL METAL COMPONENTS OF THE LUMINAIRES SHALL BE FACTORY PAINTED AFTER FABRICATION.
- CONTRACTOR SHALL VERIFY ALL "TYPE, TRIMS AND LIGHT FIXTURE COLORS" WITH ARCHITECT AND OWNER PRIOR TO ORDERING.
- PROVIDE MINIMUM SIX (6) SETS OF SHOP DRAWINGS FOR BALLAST, LAMPS AND FIXTURES.
- ALL LAMPS SHALL BE CERTIFIED AS PASSING EPA "TOXICITY CHARACTERISTIC LEACH PROCEDURE", LOW MERCURY TYPE AS MANUFACTURED BY SYLVANIA OR PHILLIPS.
- PROVIDE 6 YEARS BALLAST AND 4 YEARS LAMP REPLACEMENT FACTORY WARRANTY.
- NOT USED.
- THE ABOVE LUMINAIRES IS PREDICATED ON PERFORMANCE AND DESIGNED TO MEET CERTAIN AESTHETIC CRITERIA.
- PROVIDE BALLAST AND LUMINAIRES WITH RF FILTER.
- "SUBSTITUTE" OR "EQUAL" LUMINAIRES, LAMPS, AND LAYOUTS NOTES:
 - ALL OF THE CRITERIA BELOW FOR SUBSTITUTE LUMINAIRES MUST BE SATISFIED. OTHERWISE THE ENGINEER WILL REJECT THE "SUBSTITUTE" OR "EQUAL" LIGHTING FIXTURES WITHOUT REVIEW.
 - ANY "SUBSTITUTE" OR "EQUAL" LUMINAIRES, LAMPS, LAYOUTS, LEVELS MUST NOT DEVIATE FROM PROVIDED.
 - ANY "SUBSTITUTE" OR "EQUAL" LUMINAIRES MUST BE SUBMITTED TO ENGINEER FOR APPROVAL AT LEAST TEN (10) DAYS PRIOR TO ACTUAL PROJECT BID DATE FOR PRELIMINARY APPROVAL.
 - THE ENGINEER MAY REQUIRE FROM THE CONTRACTOR TO SUBMIT TO ENGINEER FOR REVIEW AND APPROVAL THE LIGHTING PHOTOMETRICS WITH THE "SUBSTITUTE" OR "EQUAL" LUMINAIRES FOR ANY SPECIFIC ROOMS OR/AND AREAS OR FOR THE WHOLE PROJECT FOR VERIFICATION OF PERFORMANCE AND LIGHTING LEVELS. THE SUBMITTED LIGHTING PHOTOMETRIC PACKAGE SHALL INCLUDE THE MINIMUM ITEMS:
 - HARDCOPY OF THE LIGHTING PHOTOMETRIC.
 - ELECTRONIC (AUTOCAD FILE) OF THE LIGHTING PHOTOMETRIC.
 - MANUFACTURER CUT SHEETS OF THE LIGHTING FIXTURES, SUPPORT, AND LAMPS.



CONTROL PANEL DETAIL
NOT TO SCALE

CONTROL PANEL SCHEDULE

SWITCH DESIGNATION	SWITCH TYPE	DESIGNATION	NOTE
A	LOW VOLTAGE	EXTERIOR WALL PACK NORTH LIGHTS	
B	LOW VOLTAGE	EXTERIOR WALL PACK SOUTH LIGHTS	
C	LOW VOLTAGE	EXTERIOR SITE LIGHTS	
D	LOW VOLTAGE	MASTER OVERRIDE NORMAL LIGHTING	
E	20A-1P MAINTAINED CONTACT PUSH BUTTON WITH RED MUSHROOM HEAD	RESPONSE CALL BELLS	
F	SPACE		
G	20A-1P MOMENTARY CONTACT PUSHBUTTON	PROVIDE 120V CONNECTION TO FRONT OVERHEAD DOOR MOTOR STARTER "UP" CONTACT ONLY	
H	20A-1P MOMENTARY CONTACT PUSHBUTTON	PROVIDE 120V CONNECTION TO FRONT OVERHEAD DOOR MOTOR STARTER "UP" CONTACT ONLY	
I	20A-1P MOMENTARY CONTACT PUSHBUTTON	PROVIDE 120V CONNECTION TO FRONT OVERHEAD DOOR MOTOR STARTER "UP" CONTACT ONLY	
J	20A-1P MOMENTARY CONTACT PUSHBUTTON	PROVIDE 120V CONNECTION TO FRONT OVERHEAD DOOR MOTOR STARTER "UP" CONTACT ONLY	
K	20A-1P MOMENTARY CONTACT PUSHBUTTON	PROVIDE 120V CONNECTION TO FRONT OVERHEAD DOOR MOTOR STARTER "UP" CONTACT ONLY	
L	20A-1P MOMENTARY CONTACT PUSHBUTTON	PROVIDE 120V CONNECTION TO FRONT OVERHEAD DOOR MOTOR STARTER "UP" CONTACT ONLY	

CONTROL PANEL SCHEDULE
NOT TO SCALE

- CONTRACTOR SHALL COORDINATE THE FINAL LAYOUT AND REQUIREMENTS WITH OWNER PRIOR TO ROUGH-IN AND INSTALLATION.
- CONTROL PANEL SHALL BE FLUSH MOUNTED IN COUNTER TOP. COORDINATE WITH ARCHITECTURAL DETAILS AND OWNER.



GRINER ENGINEERING, INC.
1628 First Avenue North
St. Petersburg, Florida 33713
Phone: (727)-822-2335
Fax: (727)-821-3361
Certificate of Authorization #3173

Date: 06-15-2017
Drawn: HH
Designed: HH
EOR: JAR
Job no.: 17049

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