

LIGHTING LEGEND

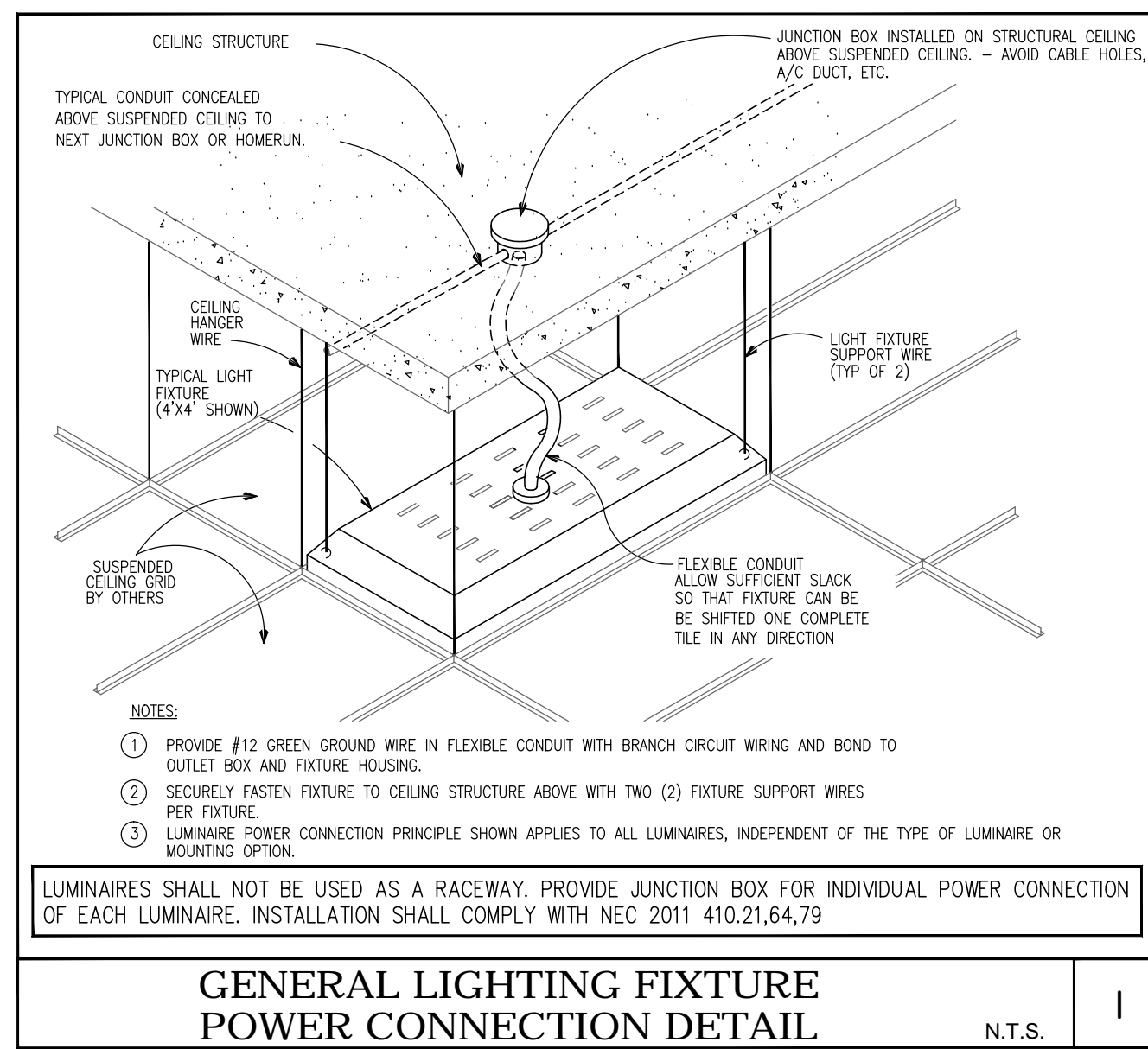
SYMBOL	DESCRIPTION
○	2'x4' FLUORESCENT LIGHT FIXTURE
◻	EMERGENCY LIGHT W/ BATTERY BACKUP FOR 90MIN. 2'x4' FLUORESCENT LIGHT FIXTURE
◻	EMERGENCY LIGHT W/ BATTERY BACKUP FOR 90MIN. 2'x2' FLUORESCENT LIGHT FIXTURE
○	RECESSED DOWNLIGHT
—	1'x4' FLUORESCENT LIGHT FIXTURE
○	WALL SCONCE LIGHT FIXTURE
—	4' LED LINEAR COVE LIGHT FIXTURE
⊗	EXIT SIGN WITH BATTERY BACK UP FOR 90 MIN. HATCH AREA INDICATES FACE OF SIGN. ARROW INDICATES EXIT DIRECTION
⊞	LIGHT SWITCH (+48" A.F.F. TO TOP. U.N.D)
⊞	3 WAY LIGHT SWITCH (+48" A.F.F. TO TOP. U.N.D)
⊞	1 POLE SWITCH, 20A, HP RATED
⊞	2 POLE SWITCH, 30A, HP RATED
⊞	DIMMER SWITCH (+48" A.F.F. TO TOP. U.N.D)
⊞	LV MOMENTARY PUSH BUTTON (+48" A.F.F. TO TOP. U.N.D)
⊞	PIP OCCUPANCY/VACANCY SENSOR WALL SWITCH EATON, MDL# OSW-P-120/277V OR APPROVED EQUAL (+48" A.F.F. TO TOP. U.N.D) *3" INDICATES 3-WAY SWITCH
⊞	DIGITAL PROGRAMMABLE TIME SWITCH WALL MOUNTED INTERMATIC, MDL# ST01, 120/277V OR APPROVED EQUAL *3" INDICATES 3-WAY SWITCH (+48" A.F.F. TO TOP. U.N.D)
⊞	ULTRASONIC CEILING MOUNT LV VACANCY SENSOR EATON VAC-U-1000-R *OR APPROVED EQUAL* 1000 SQ.FT. COVERAGE, 360DEG. FIELD
⊞	SWITCH PACK EATON SP20-MV 20A RATED RELAY WITH 15V OUTPUT TO VACANCY SENSORS *OR APPROVED EQUAL*
⊞	EXHAUST FAN (SEE MECHANICAL PLANS FOR SPECS)

NOTES

1. NOT ALL SYMBOLS MAY APPEAR ON PLANS.
2. IF THERE IS NO DESIGNATION NEXT TO FIXTURE, THEN ASSUME IT IS A NEW FIXTURE. IF NOT EXISTING, LOCATE IT AS SHOWN ON PLANS.
3. PROVIDE A DISCONNECTING MEANS FOR ALL DOUBLE ENDED FLUORESCENT LAMPS WITH BALLAST AS PER NEC410.73(G).

DESIGNATION / DESCRIPTION

+84"	DENOTES HEIGHT ABOVE FINISHED FLOOR	UND	UNLESS NOTED DIFFERENTLY
AFG	ARC FAULT CIRCUIT INTERRUPT	NL	NIGHT LIGHT, UNSWITCHED 24HRS ON
GF	GROUND FAULT CIRCUIT INTERRUPT	T/S	TIME SWITCH
WP	WEATHER PROOF ENCLOSURE	PC	PHOTO CELL
IG	ISOLATED GROUND	LC	LIGHTING CONTACTOR
N	NEW FIXTURE	MWC	MINIMUM WORK CLEARANCE
R	RELOCATED FIXTURE	OCP	OVER CURRENT PROTECTION
E	INDICATES AN EXISTING FIXTURE TO REMAIN	CC	ON CENTER
T/L	TWIST LOCK	SW	SHOW WINDOW RECEPTACLE



LIGHTING LEVELS PER FBC 2014 Energy Conservation Chapter 4

BUILDING AREA METHOD

BUILDING AREA TYPE	AREA [sq.ft.]	MAX. LPD [VA/sq.ft.]	MAX LP [VA]	LP PROVIDED [VA]	LPD PROVIDED [VA/sq.ft.]
SCHOOL	8200	1.2	9840	9750	1.2

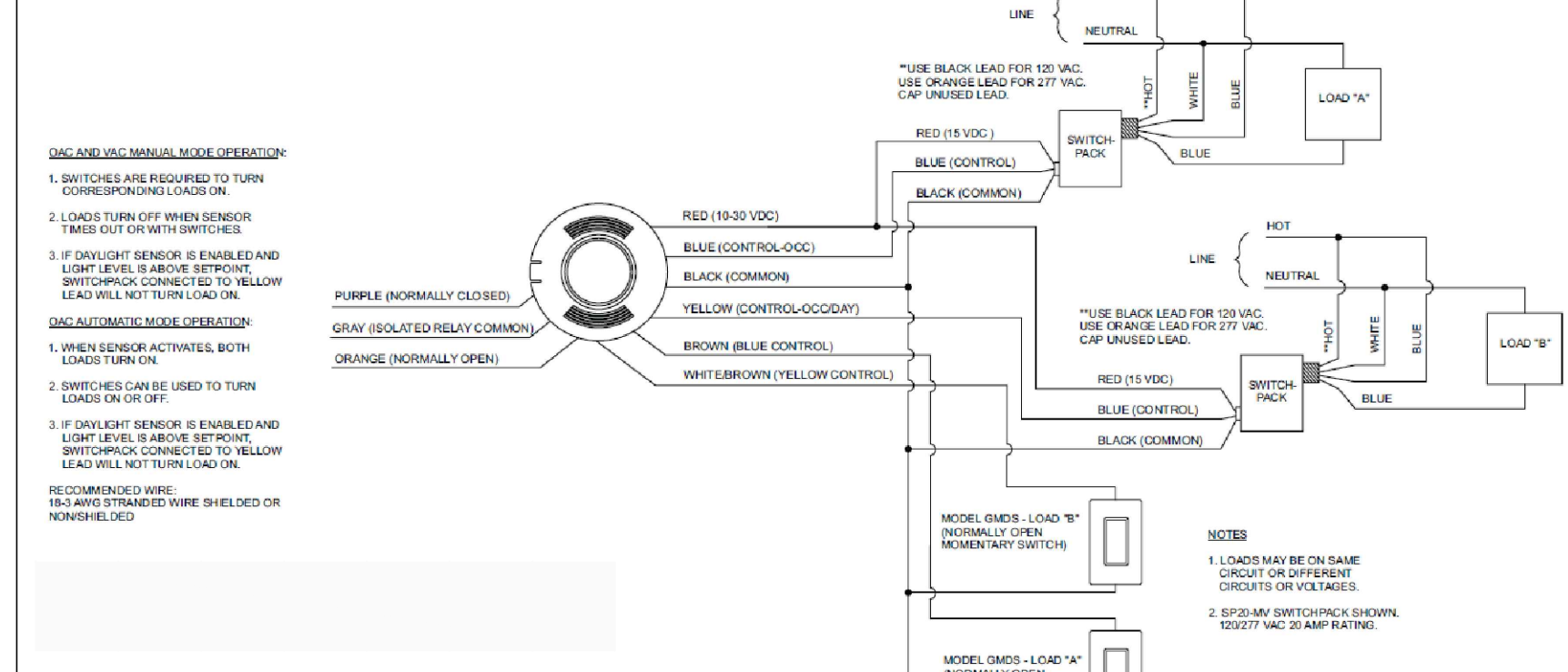
LP - LIGHTING POWER
LPD - LIGHTING POWER DENSITY
LP BASED ON NON-SIMULTANEOUS USER OPERATION, HIGHEST WATTAGE

FIRE ALARM LEGEND

SYMBOL	DESCRIPTION
PS	FIRE ALARM MANUAL PULL STATION.
V500	FIRE ALARM VOICE-STROBE COMBINATION. NUMBER ADJACENT TO DEVICE INDICATES THE DEVICE CANDELA RATING. TAMPER RESISTANT
S500	FIRE ALARM STROBE. NUMBER ADJACENT TO DEVICE INDICATES DEVICE CANDELA RATING. TAMPER RESISTANT
FACP	ADDRESSABLE FIRE ALARM CONTROL PANEL
FABP	ADDRESSABLE FIRE ALARM BOOSTER PANEL
ANN	ANNUNCIATOR PANEL
RPV	REMOTE PAGING UNIT
H	HEAT DETECTOR CEILING MOUNTED
⊞	PHOTOELECTRIC SMOKE DETECTOR
⊞	DUCT SMOKE DETECTOR
TRIA	REMOTE STATION FOR SMOKE DUCT DETECTOR TEST, RESET, & ANNUNCIATOR (+72" A.F.F. U.N.D)
---	FIRE ALARM SYSTEM RESPONSE WIRING
---	FIRE ALARM SYSTEM INITIATION WIRING

Wiring Diagrams

VAC-U-2000-R Model



OCCUPANCY SENSOR / SWITCH PACK WIRING DIAGRAM

NOTES:

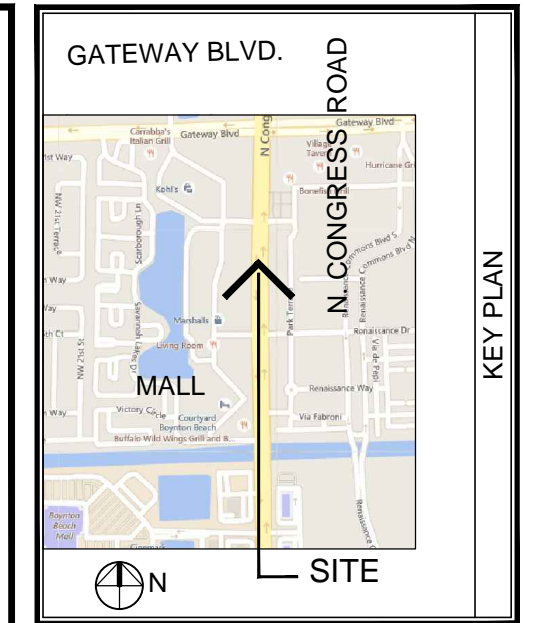
- THE OCCUPANT SENSOR MUST HAVE AN UNOBSTRUCTED VIEW OF THE ROOM. DO NOT MOUNT NEAR TALL CABINETS, SHELVES, INDIRECT HANGING FIXTURES, ETC.
- KEEP THE OCCUPANT SENSOR MIN. 6FT AWAY FROM AIR FLOW VENTILATION OUTLETS, WINDOWS, OTHER REFLECTIVE SURFACES, FANS.
- FIELD COORDINATE EXACT LOCATION PRIOR TO ROUGH IN.
- CLOSELY FOLLOW THE COVERAGE DIAGRAMS AND INSTALLATION GUIDELINES FROM MANUFACTURER.

LIGHTING FIXTURE SCHEDULE

FIXTURE ID	FIXTURE DESCRIPTION	MANUFACTURER DATA (OR APPROVED EQUAL)	VOLTAGE		LAMP		INPUT POWER [W]	MOUNTING / INSTALLATION (UNLESS NOTED DIFFERENTLY)	NOTES
			[V]	QTY.	COLOR	TYPE			
A	2'x4' FLUORESCENT TROFFER	HE WILLIAMS 50G S 24 332 S AF12125 HIEF EB3 UNV	120-277	3	835	32W/T8	85.0	CEILING / RECESSED	
AE	EMERGENCY 2'x4' FLUORESCENT TROFFER	HE WILLIAMS 50G S 24 332 S AF12125 HIEF EB3 UNV EM1400(TB)1	120-277	3	835	32W/T8	85.0	CEILING / RECESSED	EMERGENCY BALLAST
BE	EMERGENCY 2'x2' FLUORESCENT TROFFER	HE WILLIAMS 50F S 22 317 S AF12125 EB3 UNV EM1400(TB)1	120	3	835	17W/T8	48.0	CEILING / RECESSED - FLANGED	EM BALLAST FOR 2 LAMPS
C	6" LED DOWNLIGHT	HE WILLIAMS L60 L30C/835 CS/W DRV 277	277	1	835	38W/LED	41.0	CEILING / RECESSED	
CE	EMERGENCY 6" LED DOWNLIGHT	HE WILLIAMS LED60 CS OS30 835 DRV EM 277	277	1	835	38W/LED	41.0	CEILING / RECESSED	EMERGENCY LED DRIVER
D	COVE LIGHT FIXTURE	SSL CVLX4 120	120-277	TBD	840	LED	11W/FT	COVE LIGHT - LINEAR RUN	COLOR TBD
E	EXIT SIGN	BEGHELLI CYC SA LG X	120-277	1		LED		SURFACE	
F	1'x4' FLUORESCENT LIGHT FIXTURE	THOMAS FCN 232 EB	120	2	835	32W/T8	58.0	SURFACE	
G	6" CF DOWNLIGHT	HE WILLIAMS PH60 229Q CS EB2 UNV	120-277	2	835	26DTT	54.0	CEILING / RECESSED	
GE	EMERGENCY 6" CF DOWNLIGHT	HE WILLIAMS PH60 229Q CS EM94CG1 UNV	120-277	2	835	26DTT	54.0	CEILING / RECESSED	EMERGENCY BALLAST



1ST FLOOR LIGHTING AND FA PLAN
scale: 1/8" = 1'-0"



REVISION BLOCK

MARK	DESCRIPTION	DATE

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PROJECT IDENTIFICATION

JOB NUMBER	15118
SCALE	AS NOTED
PROJECT DATE	16.03.22
ISSUE DATE	
BID DATE	
DRAWN BY	DP
CHECKED BY	DP
DISCIPLINE	ELECTRICAL
PLAN TYPE	
SHEET NUMBER:	E-2

HEREBY CERTIFY THAT THESE PLANS WERE PREPARED BY ME OR UNDER MY SUPERVISION AND TO THE BEST OF MY KNOWLEDGE, COMPLY WITH ALL APPLICABLE CODES.

project no. 1626.00

seal

Dan Pienaru, PE
LICENSE No. 73022
STATE OF FLORIDA

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