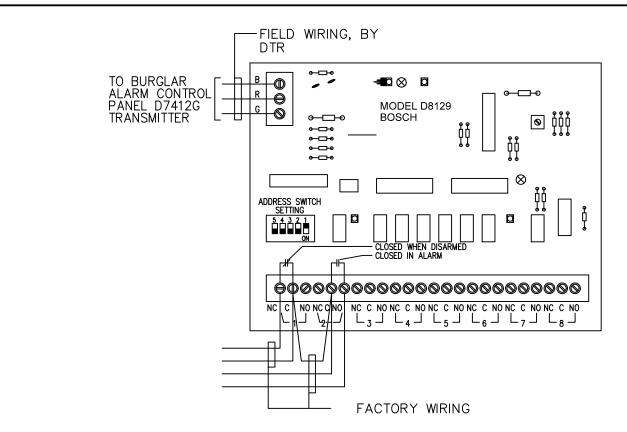


PHOTOCELL INSTALLATION DETAIL (FOR G.E.)

NOT TO SCALE

- 1. ELECTRICAL CONTRACTOR MUST INSTALL PHOTOCELL (G.E. AND SQ."D") AS SHOWN ON THE DETAIL.
- 2. NOT USED.
- 3. PHOTOCELL SENSOR EYE MUST BE INSTALLED ON THE ROOF FACING NORTH.
- 4. PHOTOCELL EYE MUST NOT FACE ARTIFICIAL LIGHT SOURCES (SUCH AS STREETLIGHTS, ETC.).
- PHOTOCELL SENSOR IS MOISTURE SENSITIVE. CONNECTIONS MUST BE TIGHTENED PROPERLY. THE WHOLE ASSEMBLY MUST BE WATERTIGHT.
- CONDUIT WITH PHOTOCELL SENSOR WIRING SHALL PENETRATE ROOF VIA SATELLITE ANTENNA PORTAL. PROPER CONDUIT SUPPORT IS EXTREMELY IMPORTANT.
- PHOTOCELL SENSOR WIRING MUST NOT SHARE THE SAME CONDUIT WITH POWER WIRING.



BOSCH D8129 RELAY MODULE NOT TO SCALE

TESTING

3 E2.1C

- THE FOLLOWING TEST MUST BE PERFORMED BY ELECTRICAL CONTRACTOR:
- 1. PHARMACY OVERRIDES CHECK THAT LOCAL OVERRIDES AND OVERRIDE PUSHBUTTON ON PANEL "LP-SP" DOOR WORKS.
- 2. OVERRIDES OTHER THAN PHARMACY CHECK THAT OVERRIDE WORKS.

3. <u>SECURITY INTERLOCK</u>

- INITIAL CONDITIONS: - OVERRIDE PUSHBUTTONS/SWITCHES ON PANEL "LP-SP" DOOR SHALL BE OFF.
- ALL THE LIGHTS INSIDE THE STORE SHALL BE ON. ALL EXTERIOR LIGHTS SHALL BE OFF (EXCEPT LIGHTS ON CIRCUIT 14 COULD BE ON IF IT IS DARK OUTSIDE). ACTIONS:
- DISCONNECT WIRE ON TERMINAL "NC" (RELAY 1) IN D8129 RELAY MODULE **RESULTS:**
- ALL INTERIOR LIGHTS (EXCEPT NIGHT LIGHTS) SHALL TURN

4. <u>SECURITY INTERLOCK</u>, (CONT'D.) INITIAL CONDITIONS:

- WIRE ON TERMINAL "NC" IS STILL DISCONNECTED AND ALL INTERIOR LIGHTS (EXCEPT NIGHT LIGHTS) ARE STILL OFF. ACTIONS:
- INSTALL JUMPER BETWEEN TERMINALS "C" AND "NO" (RELAY 2) IN D8129 RELAY MODULE. RESULTS:
- ALL INTERIOR LIGHTS AND ALL EXTERIOR LIGHTS MUST TURN ON. REMOVE JUMPER BETWEEN TERMINALS "C" AND "NO" (RELAY 2)
- 5. INTERLOCK WITH HONEYWELL CONTROLLER
- (APPLIES TO G.E. AND SQ. "D" ONLY) - HONEYWELL CONTROLLER: SET STAGE 1 DIAL AT #3 AND STAGE 2 DIAL AT #8.
- "SET/RUN" SWITCH MUST BE IN "RUN" POSITION. - SECURITY SYSTEM SHALL BE DISARMED.

LIGHTS ON CIRCUIT #14) MUST BE OFF.

AND RESTORE WIRE ON TERMINAL "NC" (RELAY 1).

a. ACTIONS: COVER PHOTOCELL

UNCOVER PHOTOCELL

- (USE TWO GLOVES OR CARDBOARD BOX. MUST NOT USE TAPE!!!).
- RESULTS: - TIME BEFORE 7:30 AM - ALL OUTSIDE LIGHTS (EXCEPT
- TIME BETWEEN 7:30 AM-8:00 AM: CIRCUIT #14 MUST BE ON.
- PARKING LIGHTS (CIRCUITS 30/32 = GROUP 8) SHALL TURN ON.
- TIME AFTER 8:00 AM SIGNS, CANOPY, FLOODS AND THE REST OF THE PARKING LOT LIGHTS (ALL THE CIRCUITS, GROUPS #6, 7, 8, 9, 10, 12) MUST TURN ON.
- b. ACTIONS: WITH ALL EXTERIOR LIGHTS STILL ON DISCONNECT WIRE ON TERMINAL "NC" (RELAY 1) IN D8129 RELAY MODULE.

RESULTS: - SIGNS, CANOPY, FLOODS (GROUPS 7, 10, 12) MUST TURN OFF. - 15 MINUTES LATER ALL PARKING LOT LIGHTS (GROUPS 8 & 9)

MUST TURN OFF. - RESTORE WIRE ON TERMINAL "NC" (RELAY 1) IN D8129 RELAY MODULE.

FINAL HONEYWELL CONTROLLER ADJUSTMENT: (APPLIES TO G.E. AND SQ. "D" ONLY)

SETTING #3 FOR STAGE 1 DIAL (PARKING LOT) AND #8 FOR STAGE DIAL (SIGNS AND AWNING/CANOPY) MENTIONED ABOVE ARE PRELIMINARY. THE ACTUAL SETTINGS MUST BE DONE IN THE EVENING BEFORE DARK OR EARLY IN THE MORNING WHEN IT IS STILL DARK.

EVENING ADJUSTMENT:

- 1. REMOVE HONEYWELL CONTROLLER PLASTIC COVER (ONE SCREW). 2. SET "SET/RUN" SWITCH TO "SET" POSITION. SET BOTH DIALS (STAGE 1 AND STAGE 2) AT #1. BOTH RED LED'S SHALL BE ÒFF. ALL EXTERIOR LIGHTS SHALL BE OFF. 3. AT DUSK (APPROXIMATELY 100FC) SLOWLY ROTATE STAGE 2
- DIAL TOWARD BIGGER NUMBERS ÚNTIL RED LED BELOW DIAL TURNS ON. CHECK THAT ALL SIGNS AND AWNINGS/CANOPY LIGHTS ARE ON. 4. WAIT TILL IT GETS DARKER. AT APPROXIMATELY 20 FC SLOWLY ROTATE STAGE 1 DIAL TOWARDS BIGGER NUMBERS UNTIL RED
- LED BELOW DIAL TURNS ON. CHECK THAT ALL EXTERIOR LIGHTS ARE ON. 5. TURN "SET/RUN" SWITCH TO "RUN" POSITION AND REPLACE

PLASTIC CÓVER. MORNING ADJUSTMENT:

- 1. REMOVE HONEYWELL CONTROLLER PLASTIC COVER (ONE SCREW).
- 2. SET "SET/RUN" SWITCH TO "SET" POSITION. SET BOTH DIALS (STAGE 1 AND STAGE 2) AT #10. BOTH RED LED'S SHALL BE ÒN. ALL EXTERIOR LIGHTS SHÄLL BE ON. 3. WAIT TILL IT GETS BRIGHTER. AT LIGHT LEVEL SLIGHTLY HIGHER THAN 20 FC SLOWLY ROTATE STAGE 1 DIAL TOWARD SMALLER
- NUMBERS UNTIL RED LED BELOW TURNS OFF. CHECK THAT PARKING LOT, WALLPACKS, AND FLOODLIGHTS ARE OFF. 4. WAIT. AT LIGHT LEVEL SLIGHTLY HIGHER THAN 100FC SLOWLY ROTATE STAGE 2 DIAL TOWARD SMALLER NUMBERS UNTIL RED LED BELOW TURNS OFF. CHECK THAT ALL EXTERIOR LIGHTS
- 5. TURN "SET/RUN" SWITCH TO "RUN" POSITION AND REPLACE PLASTIC COVER.
- 6. <u>SALES AREA</u> (REFER TO GROUPS 1, 2 & 3 LOGIC, E2.1A) HE FOLLOWING: a. TIME: BEFORE 7:55 AM AND SECURITY SYSTEM IS DISARMED - ONLY "MAINTENANCE LIGHTS" - CIRCUITS (21,24,25) MUST BE ON. (EVERY OTHER FIXTURE IN SIX ROWS OF LIGHTS
- SPACED EVENLY). b. TIME: AFTER 7:55 AM - ALL THE SALES AREA AND THE REST OF GROUP 2 CIRCUITS MUST BE ON. c. TIME: 10:10 PM - 10:30 PM - ONLY SIX CIRCUITS.

(21,24,25,13,22,27) MUST BE ON (EVERY OTHER FIXTURE IN

- TWELVE ROWS OF LIGHTS SPACED EVENLY). ALL THE CIRCUITS OF GROUP 2 MUST BE OFF. d. TIME: AFTER 10:30 PM - ALL THE CIRCUITS TURN OFF EXCEPT GROUP #1.
- 7. PHARMACY (REFER TO GROUP 5 LOGIC, E2.1A) VERIFY THE FOLLOWING:
- a. TIME: BEFORE 7:55 AM PHARMACY LIGHTS (CIRCUITS 1, & 3) MUST BE OFF. b. TIME: AFTER 7:55 AM ALL PHARMACY LIGHTS MUST BE ON.

c. TIME: 10:30 PM - ALL PHARMACY LIGHTS MUST BE OFF.

GONDOLA RECEPTACLES VERIFY THE FOLLOWING:

- a. TIME: BEFORE 7:55 AM RECEPTACLES (CIRCUITS 25,27,29,31,33,35) MUST BE DE-ENERGIZED. b. TIMÉ: AFTER 7:55 AM - ALL RECEPTACLES CIRCUITS MUST
- BE ENERGIZED. c. TIME: 10:10 PM - ALL RECEPTACLE CIRCUITS MUST BE DE-
- ENERGIZED.

9. TEMPERATURE CONTROLLER:

- NOTES: 1. TORCH OR HEAT GUN MUST NOT BE USED TO WARM
- 2. HEATER MAY NOT TURN ON BECAUSE ITS THERMOSTAT SETTING IS TOO LOW (DURING THE TEST THERMOSTAT
- SETTING COULD BE RAISED TEMPORARILY). 3. SENSOR WARMING TAKES A FEW MINUTES.

ABBREVIATION: WH = WALL HEATERS

- EH = ENTRANCE HEATERTERMINAL "NC" = TERMINAL "NC" (RELAY 1) IN D8129 RELAY MODULE WARM SENSOR = SENSOR SHOULD BE WARMED WITH HANDS
- COOL SENSOR WITH SPRAY = SPRAY SENSOR WITH "COM-PONENT COOLER" (PURCHASE THROUGH RADIO SHACK) COOL SENSOR WITH ICE = USE CUP WITH ICE T = TEMPERATURE

A. NON-24 HOUR STORE

- 1. OUTSIDE TEMPERATURE (SHOWN ON CONTROLLER DISPLAY) BELOW 25°F.
- a. WITH SECURITY DISARMED VERIFY THAT WH AND EH ARE ON. WARM SENSOR. VERIFY THAT WH AND EH TURN OFF (AT T ABOVE 50°F). ALLOW SENSOR TO COOL TO OUTSIDE TEMPERATURE (WATCH CONTROLLER DISPLAY).
- b. DISCONNECT WIRE ON TERMINAL "NC". VERIFY THAT WH AND EH (FOR STORE WITH VESTIBULE) ARE ON; EH FOR STORE WITHOÙT VESTIBULE SHALL BE OFF. WARM SENSOR. VERIFY THAT WH TURN OFF (AT T ABOVE 25°F) AND EH FOR STORES WITH VESTIBULES TURN OFF (AT T ABOVE
- RESTORE WIRE ON TERMINAL "NC".
- 2. OUTSIDE TEMPERATURE ABOVE 25°F BUT BELOW 50°F. a. WITH SECURITY DISARMED VERIFY THAT WH AND EH ARE ON. WARM SENSOR. VERIFY THAT WH AND EH TURN OFF (AT T ABOVE 50°F).
- ALLOW SENSOR TO COOL TO OUTSIDE TEMPERATURE. b. DISCONNECT WIRE ON TERMINAL "NC".
- 1. WH AND EH FOR STORE WITHOUT VESTIBULE ARE OFF; EH FOR STORE WITH VESTIBULE SHALL BE ON (IF T BELOW 32°
- FOR STORE WITH VESTIBULE WARM SENSOR AND VERIFY THAT EH TURN OFF (AT T ABOVE 32°F). COOL SENSOR WITH SPRAY.
- WH AND EH SHALL TURN ON. RESTORE WIRE ON TERMINAL "NC".
- 3. OUTSIDE TEMPERATURE ABOVE 50°F.
- a. WITH SECURITY DISARMED VERIFY THAT WH AND EH ARE OFF. b. DISCONNECT WIRE ON TERMINAL "NC" - VERIFY THAT WH AND EH ARE OFF. RESTORE WIRE ON TERMINAL "NC".
- c. COOL SENSOR WITH SPRAY. VERIFY THAT WH AND EH TURN ON. DISCONNECT WIRE ON TERMINAL "NC"- WH AND EH SHALL BE ON. RESTORE WIRE ON TERMINAL "NC".

B. 24 HOUR STORES 1. OUTSIDE TEMPERATURE ABOVE 50°F.

- a. WH AND EH SHALL BE OFF.
- b. COOL SENSOR WITH ICE. WH AND EH SHALL TURN ON (AT T BELOW 50°F).
- 2. OUTSIDE TEMPERATURE BELOW 50°F. a. WH AND EH SHALL BE ON.
- b. WARM SENSOR. WH AND EH SHALL TURN OFF (AT T ABOVE 50°F).

MOESER & ASSOCIATES **ARCHITECT**

NEW . . .

REMODEL RELOCAT

- DRAWINGS/SPECIFICATIONS BY: ☐ WALGREENS'
- LANDLORD'S CONSULTANT

OTHERS

- ALL CONSTRUCTION WORK, UNLESS NOTED OTHERWISE, BY:
- ☐ WALGREENS' CONTRACTOR ■ LANDLORD'S CONTRACTOR (TURNKEY CONSTRUCTION)

BUILDING

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	NEW SHELL ONLY \square

FISCAL 2007 CRITERIA - STORE #12326

DESCRIPTION

REVISIONS

CERTIFICATION AND SEAL

DATE BY

I HEREBY CERTIFY

THAT THIS PLAN AND

SPECIFICATION WAS

PREPARED BY ME

OR UNDER MY DIRECT

SUPERVISION AND THAT I

AM A DULY REGISTERED

ARCHITECT OR ENGINEER

UNDER THE LAWS OF THE

AS SIGNIFIED BY MY HAND

STATE OF MAINE

AND SEAL.

WALGREENS (NWC) WASHINGTON & ALLEN AVES. PORTLAND, MAINE

DRAWING TITLE

TESTING & MISCELLANEOUS ELECTRICAL DETAILS CADD PLOT: SCALE AS NOTED DRAWING NO.

	SCALE. 7.10 11012	
VOID PLOT:	DRAWN BY:TD	
	DATE: <u>3-26-09</u>	
RELEASED TO CONSTRUCTION	REVIEWED BY:	