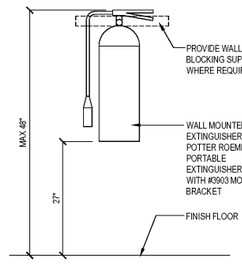


2 EXTINGUISHER DETAIL
1" = 1'-0"

KYSOR Panel Systems

February 16, 2017

RE: Kysor Panel Systems
Thermal Barrier Assurance
NC Review 2603.4

To Whom It May Concern:

Kysor Panel Systems has been manufacturing walk-in cooler and freezer panels for over fifty years. We have shipped these panels world wide - the United States, Canada, Mexico, Eastern Europe, the Pacific Rim and even the Artctic Circle!

Our walk-ins are designed per the customer's specifications and the requirements of the INTERNATIONAL BUILDING CODE and/or the STATE BUILDING CODE AMENDMENTS.

The panels are rated by the NATIONAL SANITATION FOUNDATION and accepted by the UNITED STATES DEPARTMENT OF AGRICULTURE.

The electrical wiring is listed and labeled per the requirements of UL 471, NFPA 70 and CSA C22.2.

We are approved in the CITY OF LOS ANGELES and accepted by MIAMI-DADE County after passing the rigorous hurricane testing requirements of the SOUTH FLORIDA BUILDING CODE.

Panel flammability has been tested, rated and labeled as meeting the requirements of ASTM E-84, ASTM E-1509, NFPA 286 and the STANDARD FOR INTERIOR FINISH TESTS. Test reports of our ASTM tests are attached documenting the compliance with the requirements for Class A rated room, smoke-developed index, flash ignition and self-ignition temperatures. The tests were performed by the panel coverings in 20 gauge which include G-mil vinyl and fiberglass reinforced plastic (FRP) in white and stainless steel. The tests were witnessed by Kysor Panel Systems, but when supplied by others and combined with the insulation provided per the ASTM testing waiver, passed compliance with the thermal barrier acceptance requirements set forth in section 2603.4.1.2 of the INTERNATIONAL BUILDING CODE. Additionally, our NFPA 286 test report documents compliance with section 2603.9 for special exception of our panels without a thermal barrier regardless of orientation.

Thank you in advance for your assistance in this matter. Please call with any questions or comments.

Sincerely,

Jerry D. Cox
Senior Engineer

COOLER PANELS MEET THE REQUIREMENTS OF SECTION 2603.4.1.2 AND 2603.9 OF FBC. THEREFORE FIRE SPRINKLERS ARE NOT REQUIRED.

RESTROOM PLUMBING FIXTURES

BUILDING OCCUPANCY CALCULATION = 75
38 FEMALE
37 MALE
WATER CLOSET: 1 PER 500
FEMALE = 38/500 = .076 = 1 FIXTURE
MALE = 37/500 = .074 = 1 FIXTURE
LAVATORIES: 1 PER 750
FEMALE = 38/750 = .05 = 1 FIXTURE
MALE = 37/750 = .049 = 1 FIXTURE

REQUIRED:		PROVIDED:	
WATER CLOSET (1:500)		WATER CLOSET (1:500)	
FEMALE	1	FEMALE	2
MALE	1	MALE	1
URINAL	0	URINAL	2
LAVATORY (1:750)		LAVATORY (1:750)	
FEMALE	1	FEMALE	3
MALE	1	MALE	3
JANITOR SINK	1	JANITOR SINK	1
DRINKING FOUNTAINS (1:1000)	1	DRINKING FOUNTAINS (1:1000)	2 (1 HI/ 1 LOW)

EGRESS CAPACITY

MAIN ENTRY DOOR WIDTH = 68"/.2" = 340 PERSONS
SECONDARY DOOR WIDTH = 34"/.2 = 170 PERSONS
TOTAL = 510 PERSONS

OCCUPANCY SIGNAGE NOTES:

SIGNS STATING THE MAXIMUM OCCUPANT CONTENT SHALL BE CONSPICUOUSLY POSTED IN EACH AREA OF ASSEMBLY, ASSEMBLY ROOM, OR ROOM USED FOR SIMILAR PURPOSE.

OCCUPANCY CALCULATIONS PER NFPA 101 TABLE 7.3.1.2

BUILDING CODE:		TOTAL SQFT	PERSONS
	MERCANTILE 30 SQ.FT. PER OCCUPANT		
	MERCHANDISE	2,123	71
	SALES	198	7
	TAQUERIA	177	6
	CORRIDOR	85	3
	BEER CAVE	251	9
	TOTAL	2,834	96
	SUPPORT SPACES 300 SQ.FT. PER OCCUPANT		
	BACKROOM	475	2
	FREEZER	30	1
	COOLER	76	1
	COOLER VAULT	369	2
	UTILITY	272	1
	TOTAL	1,222	7
	BUSINESS 100 SQ.FT. PER OCCUPANT		
	OFFICE	45	1
	ASSEMBLY 15 SQ.FT. PER OCCUPANT		
	SEATING	232	16
	ELECTRICAL ROOM 300 SQ.FT. PER OCCUPANT	50	1
	TOTAL OCCUPANCY	4,383	121

OCCUPANCY CALCULATIONS

BUILDING CODE:		TOTAL SQFT	PERSONS
	MERCANTILE 60 SQ.FT. PER OCCUPANT		
	MERCHANDISE	2,123	36
	SALES	198	4
	TAQUERIA	177	3
	CORRIDOR	85	2
	BEER CAVE	251	5
	TOTAL	2,834	50
	SUPPORT SPACES 300 SQ.FT. PER OCCUPANT		
	BACKROOM	475	2
	FREEZER	30	1
	COOLER	76	1
	COOLER VAULT	369	2
	UTILITY	272	1
	TOTAL	1,222	7
	BUSINESS 100 SQ.FT. PER OCCUPANT		
	OFFICE	45	1
	ASSEMBLY 15 SQ.FT. PER OCCUPANT		
	SEATING	232	16
	ELECTRICAL ROOM 300 SQ.FT. PER OCCUPANT	50	1
	TOTAL OCCUPANCY	4,383	75

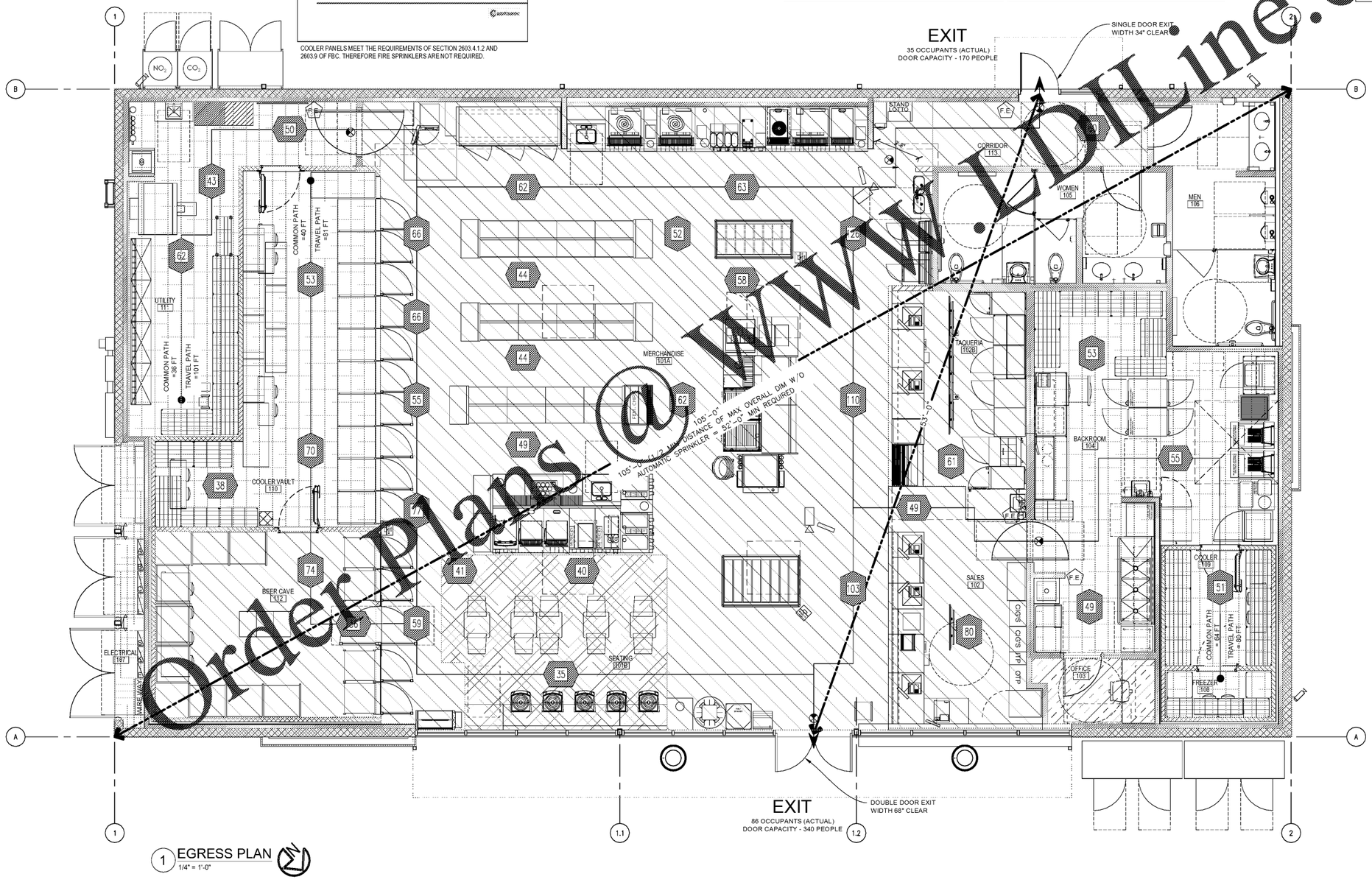
BUILDING CODE INFORMATION

BUILDING CODE:	FLORIDA BUILDING CODE, BUILDING, 6TH EDITION, 2017
	FLORIDA BUILDING CODE, ACCESSIBILITY, 6TH EDITION, 2017
	FLORIDA FIRE PREVENTION CODE, 6TH EDITION, 2017
	FLORIDA BUILDING CODE, MECHANICAL, 6TH EDITION, 2017
	FLORIDA BUILDING CODE, PLUMBING, 6TH EDITION, 2017
	FLORIDA ELECTRICAL CODE, 2008 EDITION W/2009 SUPPLEMENTS
	2014 NATIONAL ELECTRICAL CODE
	FLORIDA BUILDING CODE, ENERGY CONSERVATION, 6TH EDITION, 2017
	FLORIDA BUILDING CODE, FUEL GAS, 6TH EDITION, 2017
OCCUPANCY CLASSIFICATION:	MERCANTILE GROUP M
CONSTRUCTION TYPE:	TYPE VB
SPRINKLER:	NOT SPRINKLERED
TOTAL MAXIMUM OCCUPANT LOAD:	121 OCCUPANTS
EXITING REQUIREMENTS:	
7.5.1.3.3 OF NFPA 101 LIFE SAFETY CODE MERCANTILE AREA:	2 EXITS

*REFER TO SHEET A2.3 FOR ILLUMINATED EXIT SIGN LOCATIONS.

LEGEND

- XX — EGRESS PATH DIRECTION & WIDTH (INCHES)
- F.E. — EXTINGUISHER. SEE DETAIL 2/A1.5
- EXIT SIGN. RE: ELECTRICAL



1 EGRESS PLAN
1/4" = 1'-0"

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CLIENT NAME
BLACKFIN PARTNERS INVESTMENTS, INC.
4400 PGA BLVD, SUITE 600
PALM BEACH GARDENS, FL 33410

PROJECT NAME
7-ELEVEN #41795 - OCALA, FL
9000 BLOCK OF SE MARICAMP ROAD
OCALA, FL 34470

SHEET TITLE
EGRESS PLAN

STATE OF FLORIDA
JAROM WADE ARNOLD
AR0018446
REGISTERED ARCHITECT

RELEASE

PROJECT NO. 2390355
DATE 12/17/2020
DRAWN ZNR, AL
CHECKED Peter Cruz

A1.5

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