

UL Classified System
WL 2082

1 and 2 Hour Fire Rated Through Penetration Firestop for Single Plastic Pipe through Gypsum Walls using Fyre-CAN SLEEVE.

F-Rating = 1 and 2 Hr.
T-Rating = 1/4 Hr.

Drawing not to scale

1 Pre-Rated Gypsum Wallboard/Stud Wall Assembly
2 Plastic Pipe - A) Nom. 4" diam. (or smaller) Sch. 40 solid or cellular-core PVC pipe for use in open or closed piping systems.
B) Nom. 4" diam. (or smaller) Sch. 40 solid or cellular-core ABS pipe for use in open or closed piping systems.
3 Fyre-CAN SLEEVE - Intumescent device installed around pipe and tightened with a hose clamp. Prior to installation, the gypsum wall is notched on one side to allow insertion of the device with the hose clamp into the opening. See table below for system specifics:

Nom. Pipe Diam. (in.)	Device Size	Diam. of Opening (in.)	Annular Space (in.)
1 1/2	TS3	3 1/2	1 1/2
2	TS4	4 1/2	1 1/2
4	TS4	6 1/2	1 1/2

4A Packing Material (optional)- Foam backer rod firmly packed into opening as a permanent form.
4B TREMstop 1A - Min. 1/2" bead of sealant applied within annulus, flush with both sides of wall. Additional material installed such that a min. 5/8" crown is formed at the sleeve/wall and sleeve/pipe interfaces.

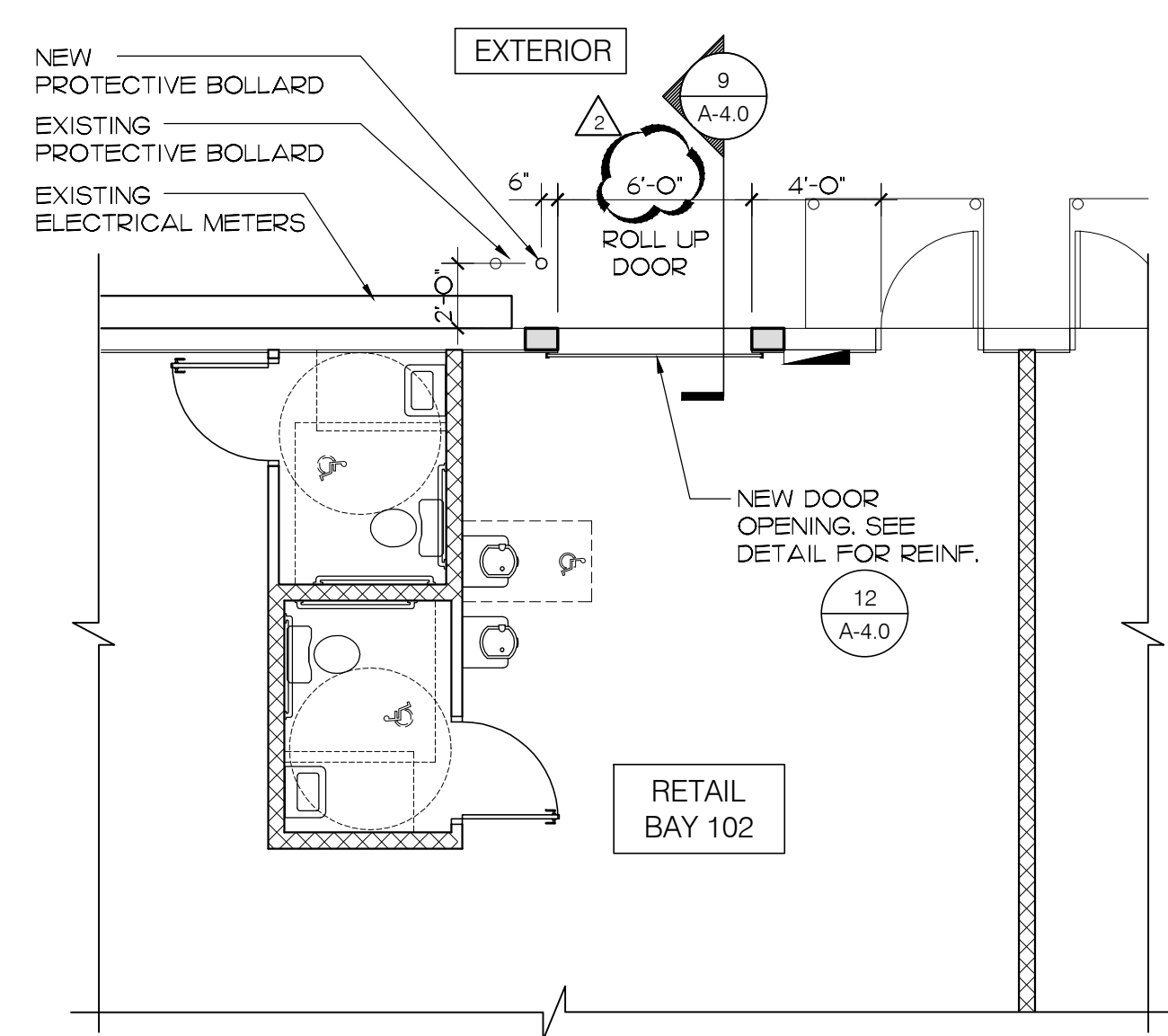
UL Classified System
WL 1158

1 or 2 Hour Fire Rated Through Penetration Firestop for Single Metallic Pipe through Gypsum Walls using TREMstop 1A.

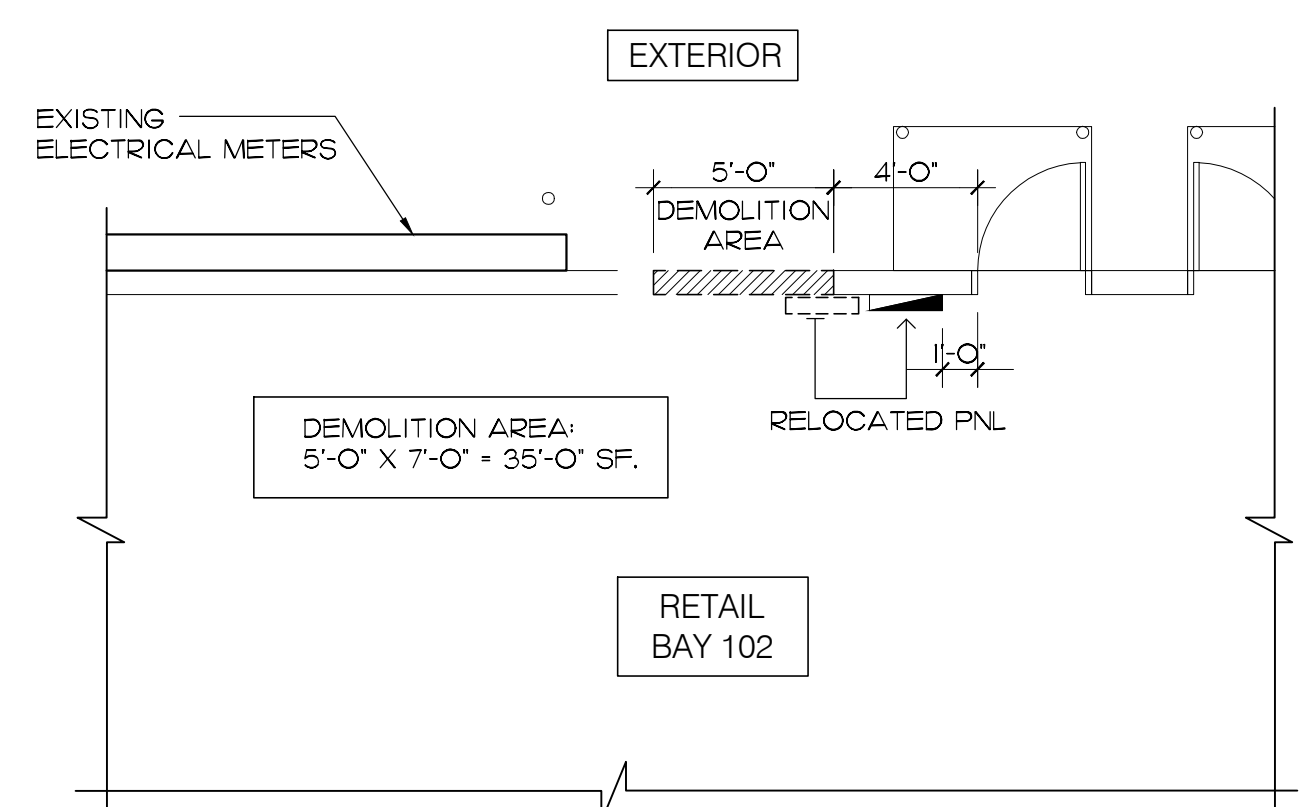
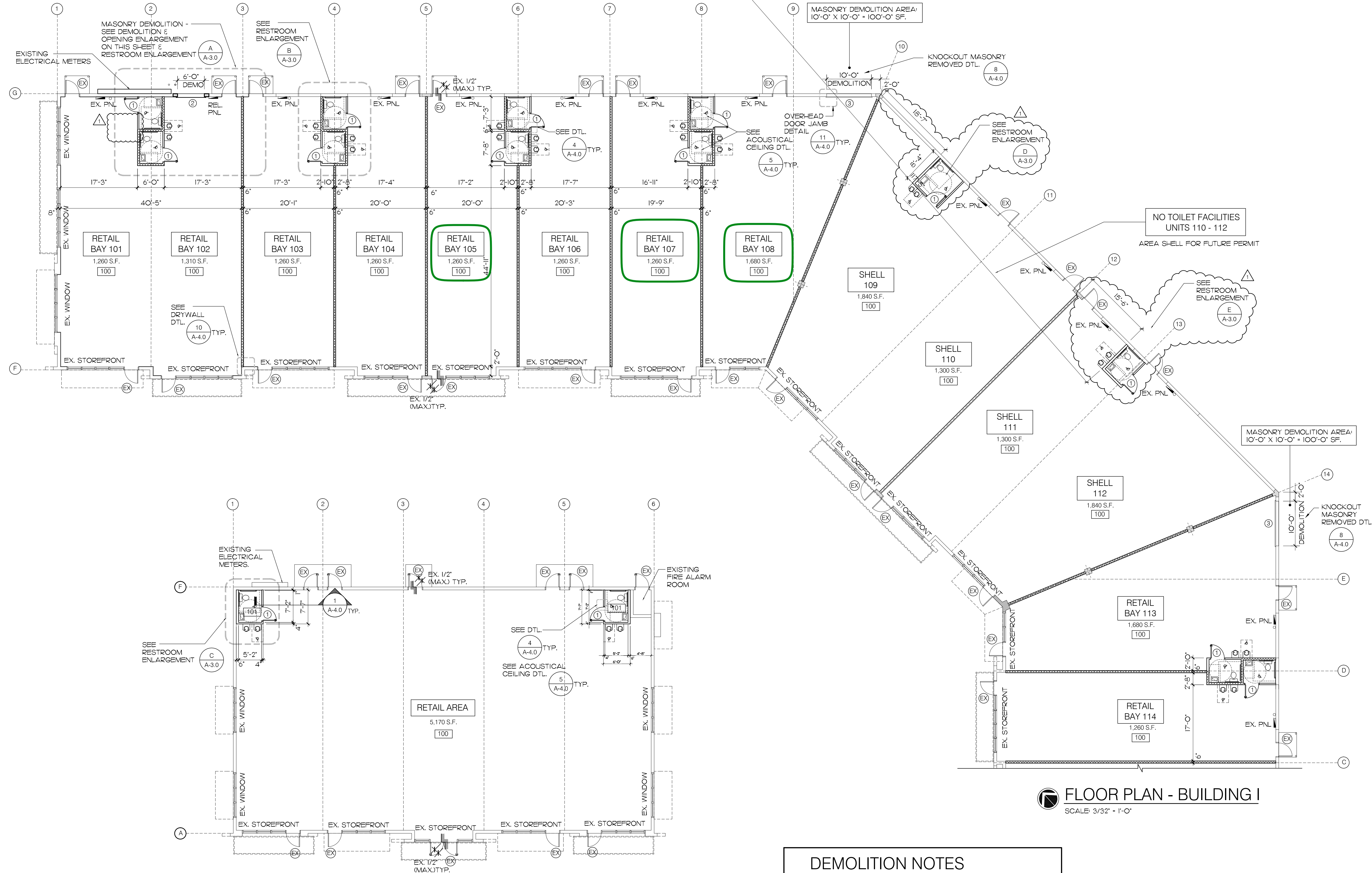
F-Rating = 1 and 2 Hr.
T-Rating = 1/4 Hr.

Drawing not to scale

1 Pre-Rated Gypsum Wallboard/Stud Wall Assembly
2 Metallic Pipe - A) Steel Pipe - 12" diam. (or smaller) Sch. 10 (or heavier) steel pipe.
B) Iron Pipe - 12" diam. (or smaller) cast or ductile iron pipe.
C) Copper Tubing - 4" diam. (or smaller) Type L (or heavier) copper tubing.
D) Copper Pipe - 4" diam. (or smaller) Regular (or heavier) copper pipe.
The annular space shall be min. 0" to max. 1" within the firestop system.
3 TREMstop 1A - Min. 1/2" thickness of sealant applied within opening. Min. 1/4" cant head of sealant to be applied at point contact.



OPENING ENLARGEMENT - BUILDING I
SCALE: 3/16" = 1'-0"



DEMOLITION ENLARGEMENT - BUILDING I
SCALE: 3/16" = 1'-0"

OCCUPANT LOAD & TOILET FACILITIES CALCULATIONS
(1004.1) (2010 F.B.C.) AND TABLE 403.1 (2010 F.F.P.C.)

BUILDING I
BAY 108 (LARGEST BAY)

	MERCANTILE (M)	1,600 SQ. FT./30	53.33	54 PERSONS	
				REQUIRED	PROVIDED
WATER CLOSET:	0.002 X 54 + 0.074	0.108	1		
LAVATORIES:	0.0013 X 54 + 0.0702	0.0702	1		
DRINKING FOUNTAIN:	0.001 X 54 + 0.054	0.054	2		
SERVICE SINK:	-	-	-		

OCCUPANT LOAD & TOILET FACILITIES CALCULATIONS
(1004.1) (2010 F.B.C.) AND TABLE 403.1 (2010 F.F.P.C.)

BUILDING II
SEPARATED FACILITIES FOR MERCANTILE LARGER THAN 3,000 S.F.

	MERCANTILE (M)	5,170 SQ. FT./30	172.33	173 PERSONS	
				REQUIRED	PROVIDED
WATER CLOSET:	0.002 X 173 + 0.345	0.345	2		
LAVATORIES:	0.0013 X 173 + 0.23	0.23	2		
DRINKING FOUNTAIN:	0.001 X 173 + 0.173	0.173	4		
SERVICE SINK:	-	-	-		

LEGEND

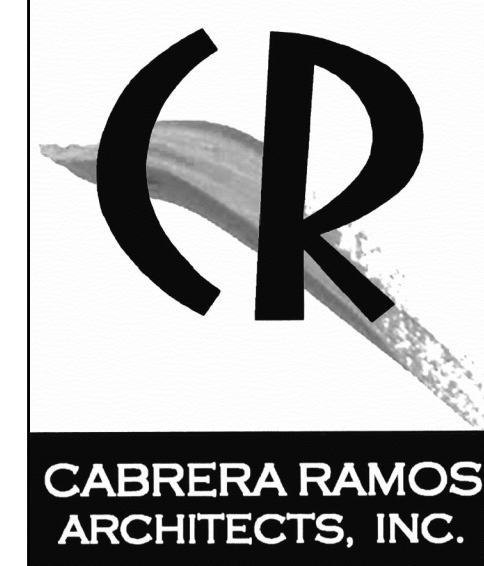
3/8" MTL. STUD NON RATED PARTITION	1 A-4.0
6" MTL. STUD RATED PARTITION	2 A-4.0
EXISTING CONCRETE BLOCK WALL	
THIS SYMBOL DENOTES 30" X 48" WHEELCHAIR CLEAR FLOOR SPACE.	
THIS SYMBOL DENOTES 60" X 48" WHEELCHAIR TURNING RADIUS.	

REVISIONS:

10/08/14	OWNER REVISION/COORDINATION
11/15/14	OWNER REVISION
01/16/15	BLDG DEPT COMMENTS

Lake Gardens Commercial Ctr.
Vanilla Shell T.I.

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DATE: 08-21-2014

DRAWN: MC JR.

CHECKED BY: MC SR.

JOB NO.: 1887-13

SEAL

SHEET NO.

A-2.0