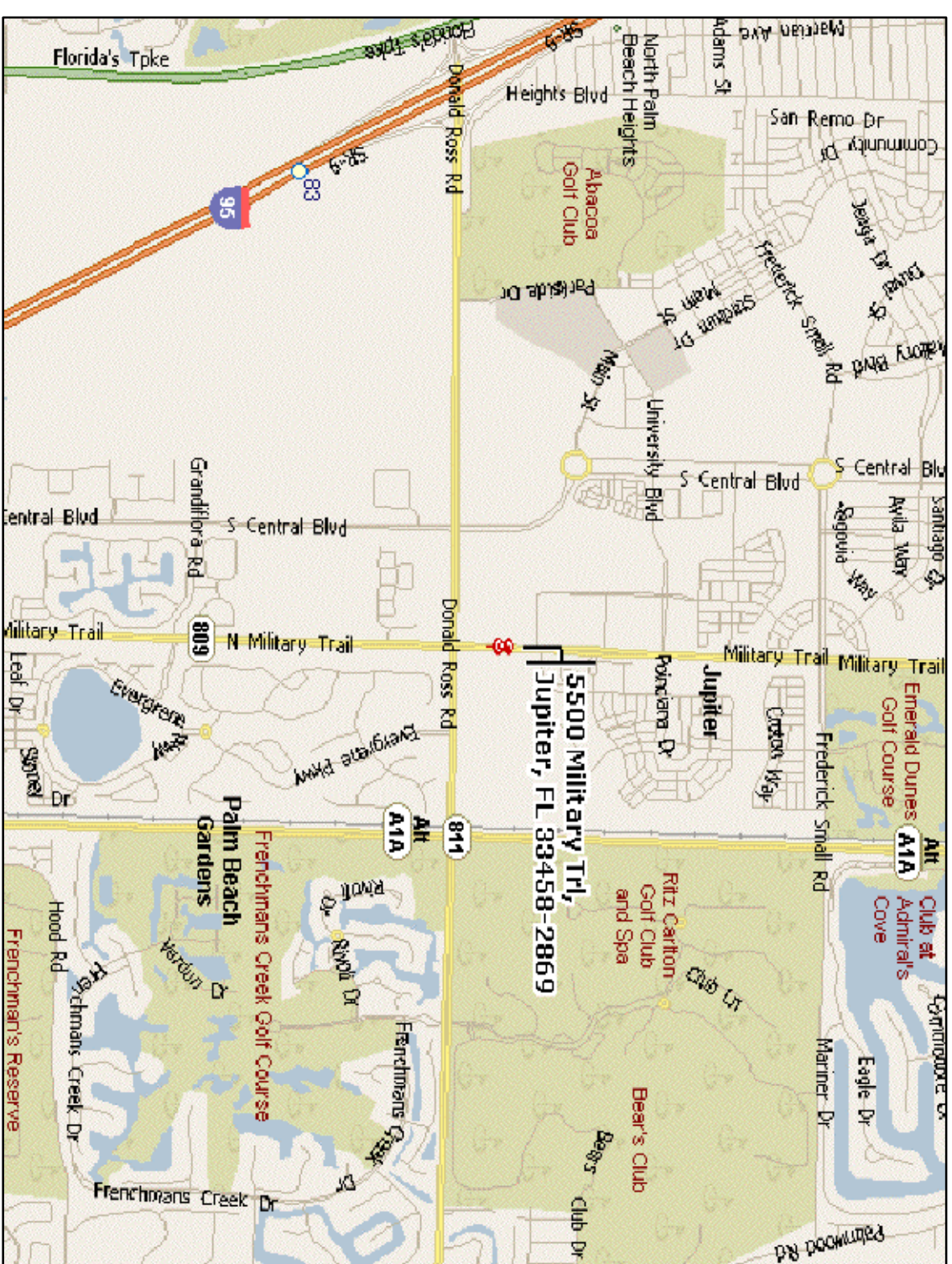


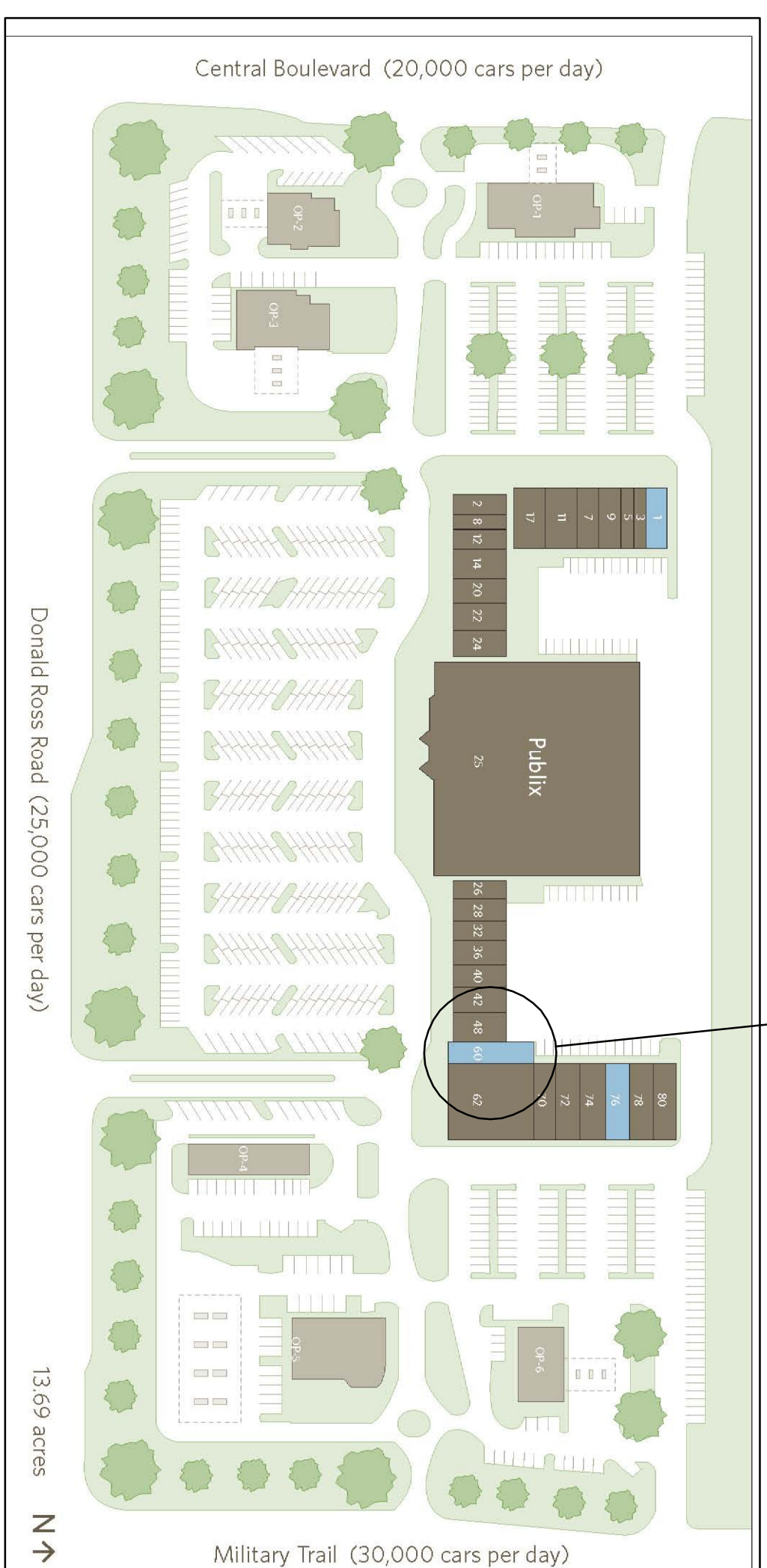
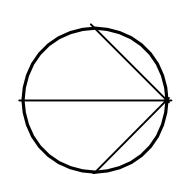
Red Mango

Abacoa Plaza

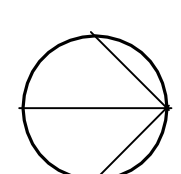
5430 North Military Trail, Suite 60 Jupiter, Florida



1 LOCATION MAP
NTS



1 PROJECT LOCATION
NTS



LIST OF DRAWINGS

ARCHITECTURAL

- A0 COVER SHEET
- G10 RESPONSIBILITY SCHEDULE, MANUFACTURERS LIST
- A21 DEMOLITION PLAN, FLOOR PLAN
- A22 EQUIPMENT PLAN AND SCHEDULE
- A23 REFLECTED CEILING PLAN, FLOOR FINISH PLAN
- A24 INTERIOR ELEVATIONS
- A25 WALL TYPES, DOOR SCHEDULE
- LS21 LIFE SAFETY PLAN

PLUMBING

- P21 SANITARY AND WATER PLAN
- P22 SANITARY AND WATER RISERS
- P31 PLUMBING DETAILS

MECHANICAL

- AC-1 AIR CONDITIONING PLAN
- AC-2 MECHANICAL SPECIFICATIONS AND DETAILS

ELECTRICAL

- E21 POWER PLAN, LIGHTING PLAN, LIGHTING SCHEDULE
- E31 PANEL SCHEDULES, DETAILS

FIRE SPRINKLER

THE CONTRACTOR IS TO HAVE FIRE PROTECTION SHOP DRAWINGS AND HYDRAULIC CALCULATIONS PREPARED FOR SUBMITTAL TO LOCAL PERMITTING JURISDICTION FOR REVIEW PRIOR TO ANY FIRE PROTECTION WORK.

FIRE ALARM

THE CONTRACTOR TO HAVE FIRE ALARM SHOP DRAWINGS PREPARED FOR SUBMITTAL TO LOCAL PERMITTING JURISDICTION FOR REVIEW PRIOR TO ANY FIRE ALARM WORK.

Revisions:

No.	Description

Content:
Cover Sheet

Dwg#:

Date: 12/28/10

Proj. No. 109

Sheet No.

A0

RESPONSIBILITY SCHEDULE

ITEMS	OWNER		REMARKS
	EXIST	G.C.	
1 PERMITS, TAXES AND UTILITIES			
2 INSPECTIONS AND COORDINATION			
3 DEMOLITION			
4 CLEANUP			
5 REPAIRS/WORK			
6 FOUNDATION			
7 FLOOR CONCRETE			
8 DEMOLITION			
9 INTERIOR SPACE			
10 PARTITIONING			
11 PARTITIONING			
12 PARTITIONING			
13 ELECTRICAL SYSTEMS FROM ABOVE WORK			
14 ELECTRICAL SYSTEMS FROM ABOVE WORK			
15 TELEPHONE CABLE FROM BUILDING TELEPHONE ROOM			
16 HVAC			
17 ROOF TOP UNITS			
18 ROOF TOP UNITS			
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ALTERNATE PRICING:

CONTRACTOR SHALL INCLUDE SEPARATE LINE ITEM PRICING FOR THE FOLLOWING ITEMS

MANUFACTURERS LIST

- 01 **3M**
1700 EAST BROAD CORP/ROCK CENTER
SUITE 500
1700 EAST BROAD, LITTLE ROCK, AR 72202
P: 501.656.3244
F: 501.656.3244
E: 3M@3M.COM
- 02 **ASTRODOME CEILING**
MONTY L. GILLESPIE
P: 813.882.5464
- 03 **ATCO COM FABRICS INC.**
59 W. F. LANGSTON AVE
CHICKENAU, OH 43021
P: 614.892.8800
E: INFO@ATCO.COM
- 04 **BAHRELE**
6337 NORTH PARK AVE
P: 416.469.8866
F: 416.469.8866
E: INFO@BAHRELE.COM
- 05 **BEHRELE**
3800 CHRYSLER DR
P: 800.888.4468 EXT 216
E: SALES@BEHRELE.COM
BRYAN WALZ
- 06 **BRITON**
8998 DOVERSHIRE DR
P: 807.246.8800
BOB BRITON
- 07 **CEMENT BOARD**
11711 FRI 79496
P: 800.888.4468 EXT 216
E: SALES@BEHRELE.COM
BRYAN WALZ
- 08 **CEMENT BOARD**
316 WESTERN ROW RD.
P: 413.481.2514
E: INFO@CEMENTBOARD.COM
- 09 **CEMENT BOARD**
316 WESTERN ROW RD.
P: 413.481.2514
E: INFO@CEMENTBOARD.COM
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RESPONSIBILITY NOTES

A. ANY ITEM SHOWING ON DRAWINGS AS NEW CONSTRUCTION, BUT NOT SPECIFICALLY ADVERTISED IN RESPONSE, SHALL BE ASSIGNED TO GENERAL CONTRACTOR FOR INSTALLATION.
B. IF SCOPE OF RESPONSIBILITY ON SCHEDULE IS IN CONFLICT WITH DRAWINGS AND SPECIFICATIONS, GENERAL CONTRACTOR MUST NOTIFY THE ARCHITECT AND NOTIFY MANUFACTURER.

STANDARD
CONTRACT DOCUMENTS
FOR ARCHITECTURAL
FIRM USE
A

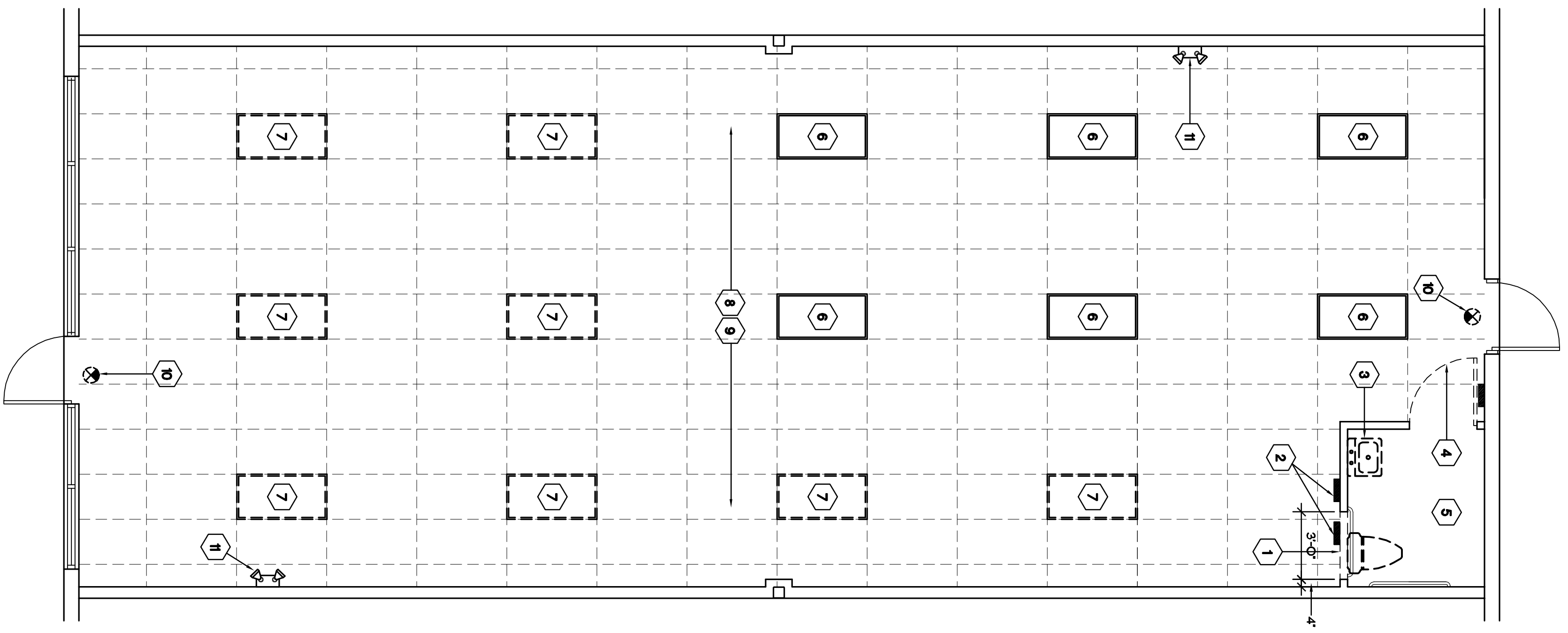
Red Mango

Abacoa Plaza
5430 North Military Trail, Suite 60
Jupiter, Florida

Revisions:

Content:
Demolition Plan
Floor Plan

Dwg:
Date: 12/28/10
Proj. No. 109
Sheet No. A2.1

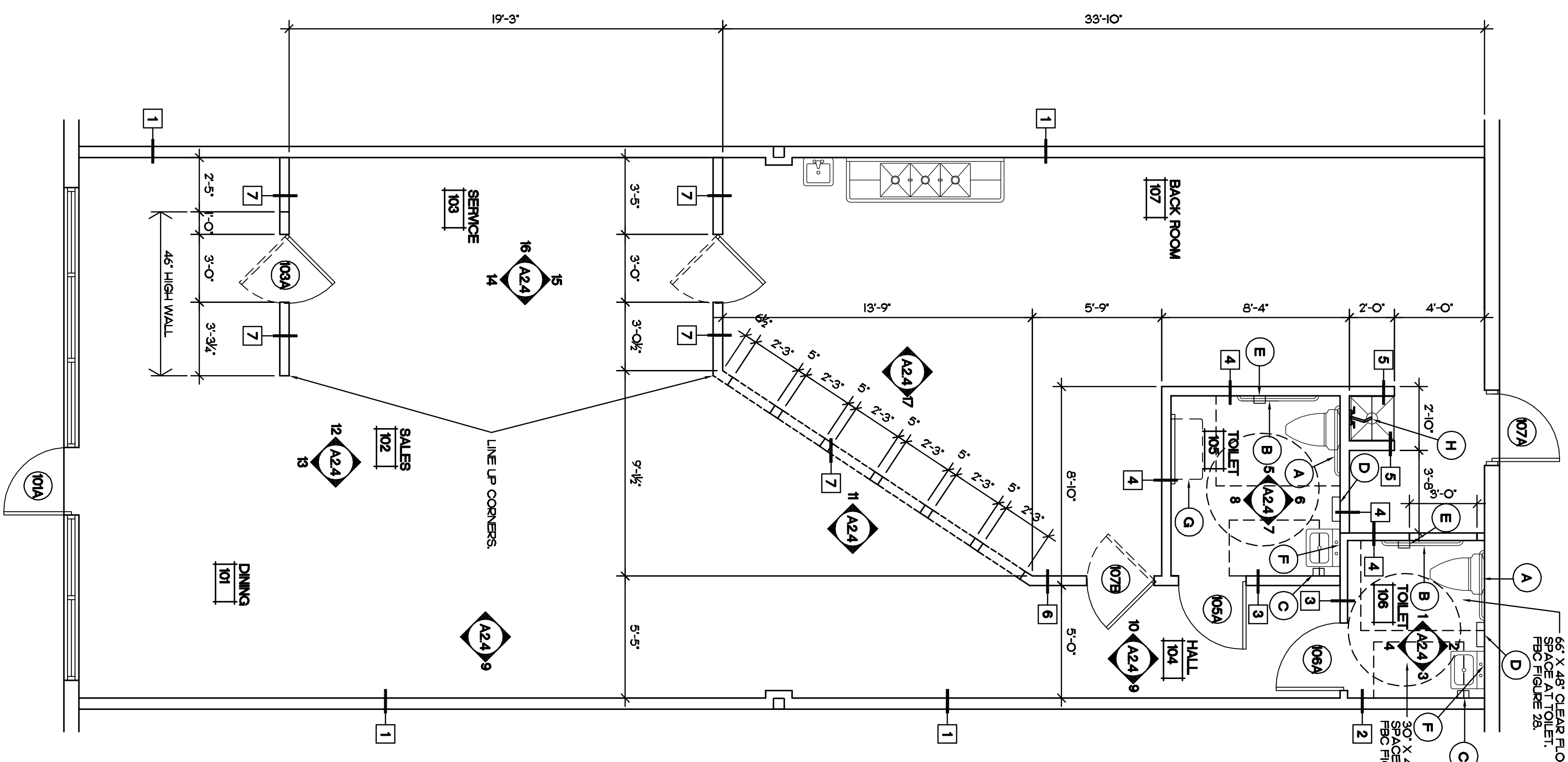


DEMOLITION NOTES

1. THE CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS AFFECTING THE PROJECT INCLUDING ACCESS TO INSTALLATION AREA AS WELL AS REMOVE ANY OBSTACLES TO THE PROJECT AND SPECIFIED ITEMS AND ALL THE SITE CONDITIONS SHALL BE REPORTED TO THE ARCHITECT PRIOR TO BIDDING.
2. CONTRACTOR SHALL PATCH, REPAIR AND REPAIR ALL SUBSTRATES AND SURFACES FOR NEW FINISHES AS REQUIRED.
3. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION TO BE CONDUCTED IN A SAFE MANNER INCLUDING PROPER SEQUENCE OF REMOVAL AND DISCONNECTION OF UTILITIES.
4. PROPER CARE AND ADEQUATE PROTECTION SHALL BE PROVIDED FOR ALL AREAS NOT REQUIRING DEMOLITION.
5. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING DUMPSTERS AND MAKING ARRANGEMENTS FOR PLACEMENT OF THESE DUMPSTERS FOR DAILY CLEANUP. COORDINATE THE LOCATION OF THESE DUMPSTERS WITH THE ARCHITECT AND REPORTS SHALL BE REMOVED FROM THE SITE AT THE END OF EACH SHIFT OR MORE FREQUENTLY AS NECESSARY FOR SAFE OPERATIONS. DO NOT DISTURB THE EXISTING STRUCTURE UNLESS NOTED OTHERWISE.
6. REMOVE AND GET PROPERLY TERMINATE ALL PLUMBING LINES, ELECTRICAL WIRING AND CONDUIT NOT CALLED FOR REUSE.
7. THE GENERAL CONTRACTOR SHALL NOTIFY THE PROJECT ARCHITECT OF ANY UNOCCUPIED JOB CONDITIONS THAT MAY AFFECT THE PROJECT COSTS AND OR SCHEDULE.
8. CONTACT WITH INFECA 24H.
9. THE DEMOLITION OF EXISTING AND/OR THE STOCKING OF NEW BUILDING MATERIALS AND SUPPLIES SHALL NOT INTERFERE OR HINDER WITH ACCESS TO OR EXIT FROM THE STRUCTURE.

DEMOLITION KEY NOTES

- 1 REMOVE EXISTING METAL STUD/GYPSUM BOARD WALL TO ACCOMMODATE 3'-0" X 3'-0" DOOR.
- 2 REMOVE TELEPHONE EQUIPMENT.
- 3 REMOVE EXISTING TOILET FIXTURES AND GRAB BARS.
- 4 REMOVE EXISTING DOOR AND FRAME.
- 5 REMOVE EXISTING FLOORING, BASE, CEILING AND LIGHT FIXTURES.
- 6 REMOVE LIGHT FIXTURE AND RAISE IN NEW CONSTRUCTION.
- 7 REMOVE EXISTING LIGHT FIXTURES.
- 8 REMOVE EXISTING CEILING TILE AND GRID, TYP.
- 9 REMOVE EXISTING CARPET FLOORING AND WALL BASE.
- 10 REMOVE EXISTING EXIT SIGN.
- 11 REMOVE EXISTING EMERGENCY LIGHTING FIXTURE.

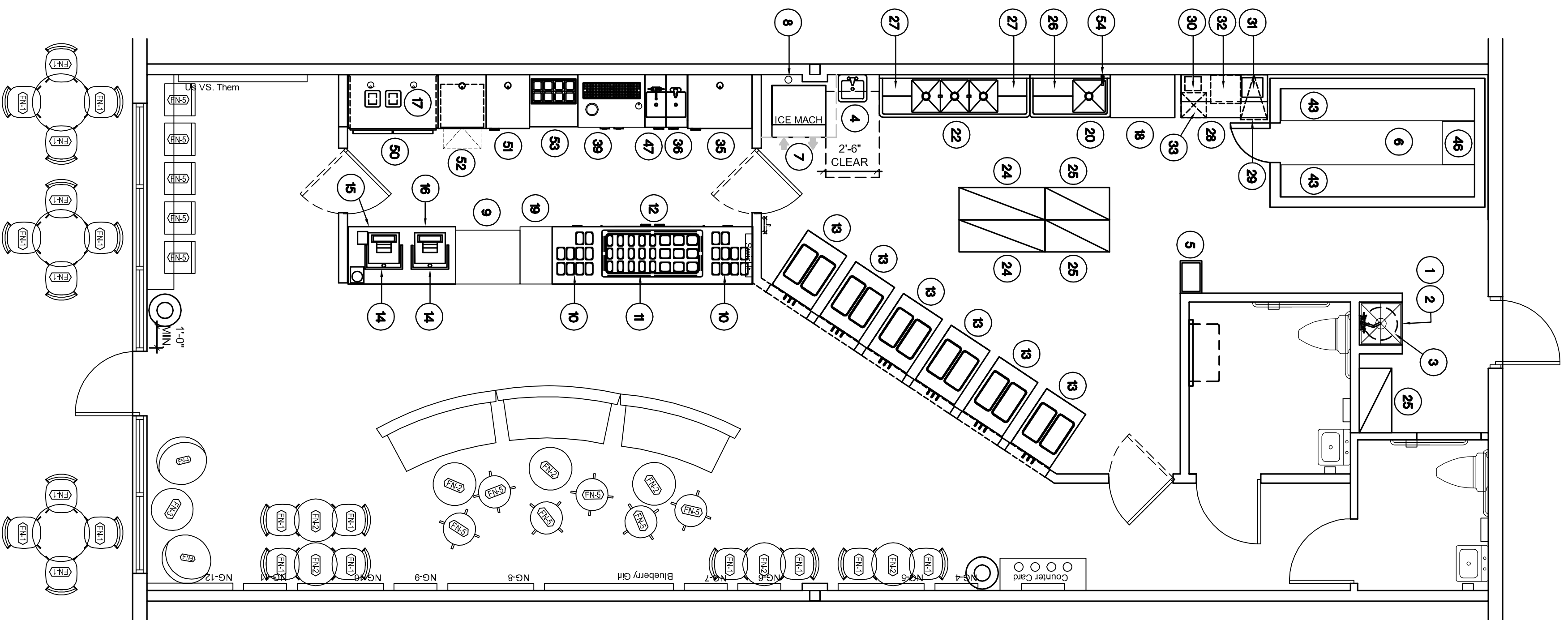


1 DEMOLITION PLAN
SCALE: 1/4"=1'-0"

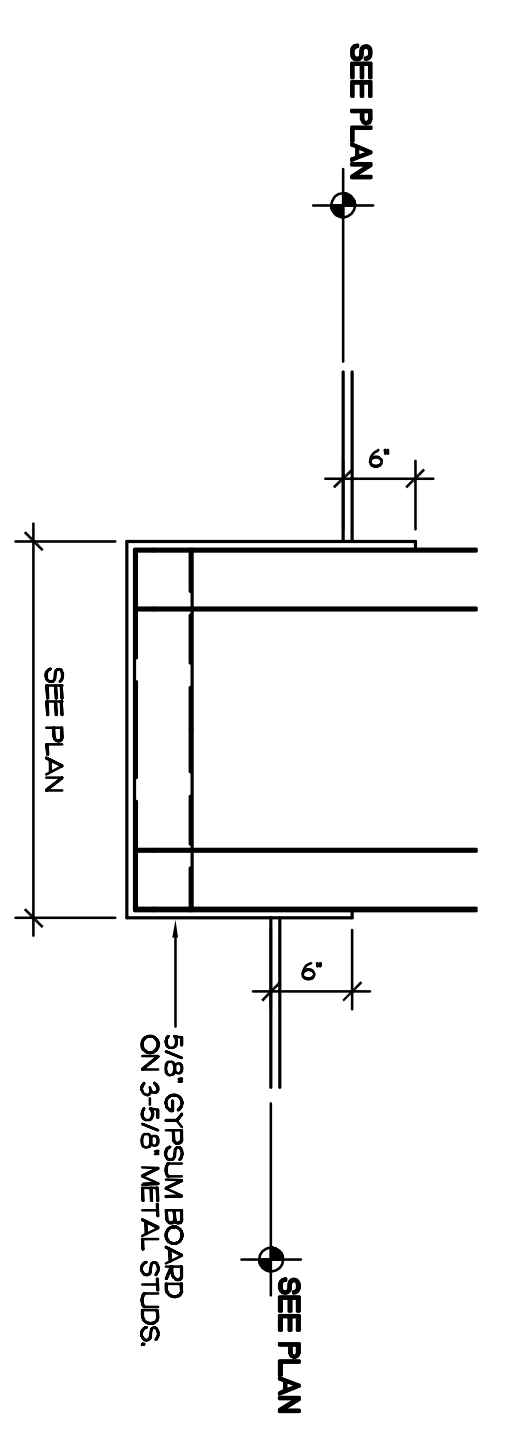
2 FLOOR PLAN
SCALE: 1/4"=1'-0"

EQUIPMENT LIST

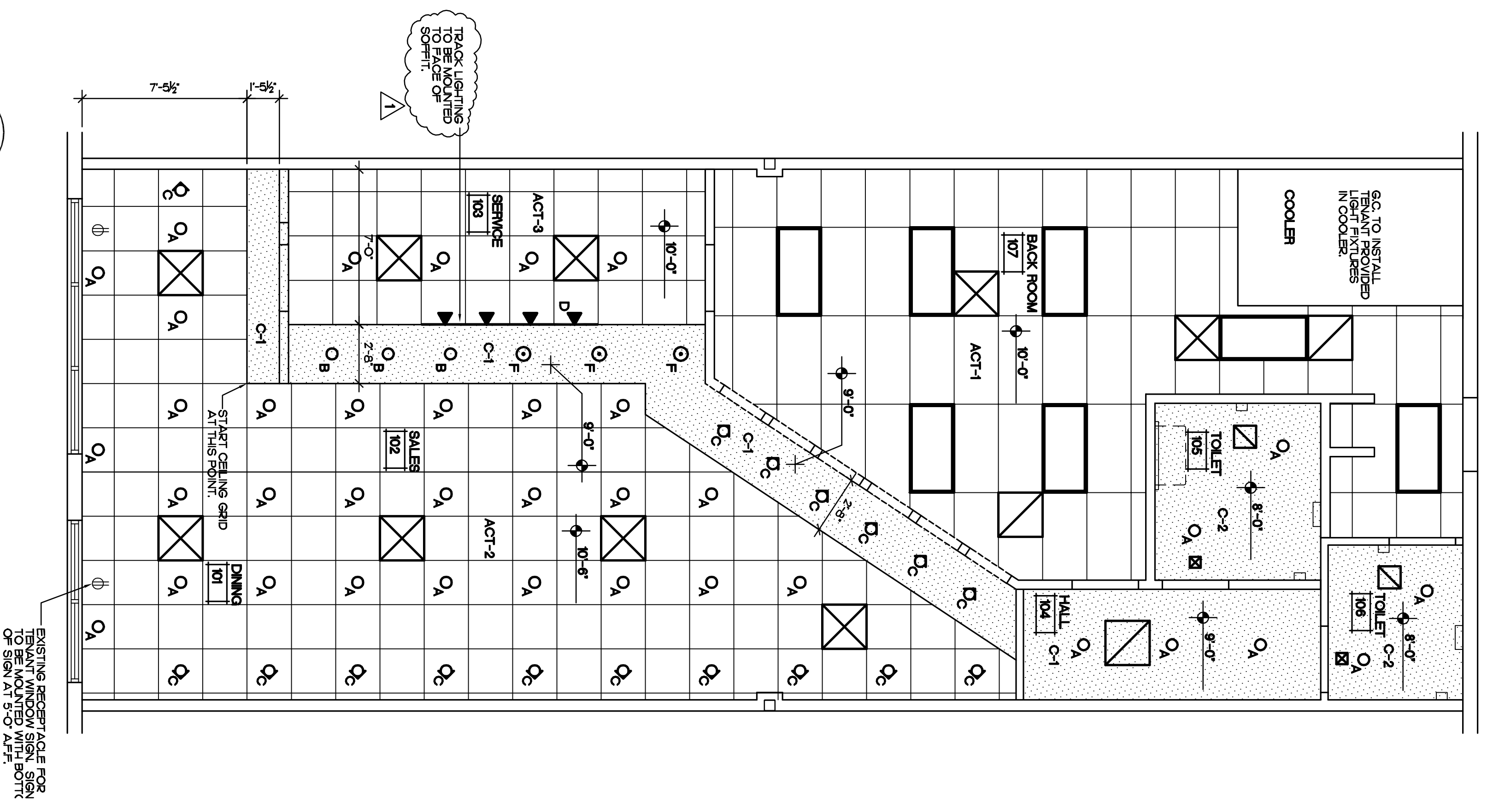
ITEM	DESCRIPTION	SIZE	MODEL	MANUFACTURER	RESPONSIBILITY	REMARKS	
1	MOP AND BROOM RACK	24"	B-223 X 24	BOBBICK	PROVIDED AND INSTALLED BY GC	-	
2	MOP SINK AND FALCET	24" X 24" X 10"	Z1996-24/24/30M	ZURN LC	PROVIDED AND INSTALLED BY GC	FALCET/COLUMN BREAKER SPOUT W/ TREADED OUTLET WALL BRACE AND PAL HOOK	
3	ELECTRIC WATER HEATER	SEE PLUMBING	SEE PLUMBING	SEE PLUMBING	PROVIDED AND INSTALLED BY GC	PROVIDE DRAIN PAN WITH OVERFLOW DRAINING PIPING TO MOP SINK	
4	HAND SINK W/ FALCET	30" X 20"	1060979	LOAD KING	PROVIDED BY RM AND INSTALLED BY RM	-	
5	TOWEL AND SOAP DISPENSERS	PROVIDED BY RM	PROVIDED BY RM	PROVIDED BY RM	PROVIDED AND INSTALLED BY RM	-	
6	METAL LOCKERS (6 TIER)	PROVIDED BY RM	PROVIDED BY RM	PROVIDED BY RM	PROVIDED AND INSTALLED BY RM	-	
7	WALK-IN COOLER	6' X 10'	ICELAZZO-A	ICE-O-MATIC	PROVIDED AND INSTALLED BY RM	GENERAL CONTRACTOR TO PROVIDE FINAL PLUMBING CONNECTIONS.	
8	AIR COOLED ICE MAKER AND BUILT-IN STORAGE BIN	17/5" X 24" X 39"	ICELAZZO-A	ICE-O-MATIC	PROVIDED AND INSTALLED BY RM	GENERAL CONTRACTOR TO PROVIDE FINAL PLUMBING CONNECTIONS.	
9	WATER FILTER	4" DIA. X 27"	E19234-01	EVER PURE	PROVIDED AND INSTALLED BY RM	GENERAL CONTRACTOR TO PROVIDE FINAL PLUMBING CONNECTIONS.	
10	GRAB N' GO CHEST	36" X 30" X 45"	THAC-36	TRIE	PROVIDED AND INSTALLED BY RM	CONTAINERS FIT IN TOWING BAR COUNTERTOP. MILKWORK VENDOR TO DIAPHERS FOR COUNTERTOP CUTOUS.	
11	DRY TOWING CONTAINERS	-	-	-	PROVIDED AND INSTALLED BY RM	INTERVAL WITH FITTURE SURROUND OF REFRIGERATED TOWING BAR.	
12	SNEEZE GUARD	-	-	-	REFER TO FITTURE PACKAGE	REFER TO FITTURE PACKAGE	
13	DROP-IN TOWING BAR	2466" X 563/4"	N81008	DELFIELD	-	FITS IN FITTURE SURROUND.	
14	SOFT SERVE FREEZER	39" X 25"	CT19	TAYLOR	PROVIDED AND INSTALLED BY TAYLOR	CONTRACTOR TO BE PRESENT DURING INSTALLATION OF EQUIPMENT.	
15	POS AND RECEIPT PRINTER	-	-	MICROS	PROVIDED AND INSTALLED BY MICROS	DSL SERVICE REQUIRED FOR INSTALLATION OF EQUIPMENT.	
16	POS CASH DRAWER	-	-	MICROS	PROVIDED AND INSTALLED BY MICROS	FITS UNDER COUNTER.	
17	POS COUNTER	32" X 72"	RM1-001-019-0000-A	LC INDUSTRIES	PROVIDED AND INSTALLED BY RM	-	
18	BLENDER	25" X 36"	PT-2456	-	PROVIDED AND INSTALLED BY RM	OR EQUAL AS APPROVED BY RED MANGO.	
19	STAINLESS STEEL WORK TABLE WITH UNDER SHELF	25" X 36"	-	-	LOAD KING	PROVIDED AND INSTALLED BY RM	-
20	FRONT LINE CABINET	18" X 32"	-	-	LOAD KING	PROVIDED AND INSTALLED BY RM	GENERAL CONTRACTOR TO PROVIDE FINAL PLUMBING CONNECTIONS.
21	I-COMPARTMENT SINK WITH DRAINBOARDS	24" X 45"	-	-	LOAD KING	PROVIDED AND INSTALLED BY RM	GENERAL CONTRACTOR TO PROVIDE FINAL PLUMBING CONNECTIONS.
22	BACKSLASH CONTROL VALVE W/ 8 SWIVEL SPOUT FALCET	-	-	-	FISHER	PROVIDED AND INSTALLED BY RM	GENERAL CONTRACTOR TO PROVIDE FINAL PLUMBING CONNECTIONS.
23	PRE-RINSE WITH 1/2 SWIVEL SPOUT FALCET	-	-	-	FISHER	PROVIDED AND INSTALLED BY RM	GENERAL CONTRACTOR TO PROVIDE FINAL PLUMBING CONNECTIONS.
24	SS 3-COMPARTMENT SINK WITH DRAINBOARDS EACH SIDE	24" X 64"	-	-	LOAD KING	PROVIDED AND INSTALLED BY RM	GENERAL CONTRACTOR TO PROVIDE FINAL PLUMBING CONNECTIONS.
25	ADJUSTABLE ZINC WIRE SHELVING	48" WIDE	-	-	METRO	PROVIDED AND INSTALLED BY RM	-
26	ADJUSTABLE ZINC WIRE SHELVING	36" WIDE	-	-	METRO	PROVIDED AND INSTALLED BY RM	-
27	SS WALL-MOUNTED SHELF	48" WIDE	-	-	METRO	PROVIDED BY RM	PROVIDED BY RM
28	SS WALL-MOUNTED SHELF	36" WIDE	-	-	METRO	PROVIDED BY RM	PROVIDED BY RM
29	MANAGERS DESK	48" WIDE	-	-	-	PROVIDED AND INSTALLED BY GC	-
30	2 DRAWER FILE CABINET W/ LOCK	-	-	-	-	PROVIDED AND INSTALLED BY GC	-
31	MUSIC PLAYER	-	-	-	-	PLAYER IS PROPRIETARY AND REQUIRED. SPEAKER AND AMP PREFERRED BUT NOT REQUIRED.	
32	PRINTER/FAX	-	-	-	-	PROVIDED AND INSTALLED BY FRANCHISEE	FITS ON SHELF ABOVE DESK.
33	DIGITAL VIDEO RECORDER	-	-	-	-	PROVIDED AND INSTALLED BY ADT	FITS ON SHELF ABOVE DESK.
34	CASH SAFE	-	-	-	-	PROVIDED AND INSTALLED BY ADT	FITS ON SHELF ABOVE DESK.
35	CABINET	36" WIDE	-	-	PROVIDED BY RM	FITS UNDER MANAGERS DESK.	
36	DROP-IN HAND SINK	24" X 30"	-	LC INDUSTRIES	PROVIDED AND INSTALLED BY RM	GENERAL CONTRACTOR TO PROVIDE FINAL PLUMBING CONNECTIONS.	
37	TOWEL DISPENSER	-	-	-	PROVIDED AND INSTALLED BY RM	GENERAL CONTRACTOR TO PROVIDE FINAL PLUMBING CONNECTIONS.	
38	SOAP DISPENSER	-	-	-	PROVIDED AND INSTALLED BY RM	GENERAL CONTRACTOR TO PROVIDE FINAL PLUMBING CONNECTIONS.	
39	DRAINBOARD MILLWORK	30" X 37"	-	-	PROVIDED AND INSTALLED BY RM	GENERAL CONTRACTOR TO PROVIDE FINAL PLUMBING CONNECTIONS.	
40	EPOXY COATED WIRE SHELVING	60" WIDE	-	NOBLAKE	PROVIDED AND INSTALLED BY RM	GENERAL CONTRACTOR TO PROVIDE FINAL PLUMBING CONNECTIONS.	
41	EPOXY COATED WIRE SHELVING	24" WIDE	-	NOBLAKE	PROVIDED AND INSTALLED BY RM	GENERAL CONTRACTOR TO PROVIDE FINAL PLUMBING CONNECTIONS.	
42	DROP-IN RINSE SINK	24" WIDE	-	-	PROVIDED AND INSTALLED BY RM	GENERAL CONTRACTOR TO PROVIDE FINAL PLUMBING CONNECTIONS.	
43	UNDERCOUNTER REFRIGERATOR	48" WIDE	TLC 48	TRIE	PROVIDED AND INSTALLED BY RM	GENERAL CONTRACTOR TO PROVIDE FINAL PLUMBING CONNECTIONS.	
44	STORAGE CABINET	24" X 30"	CRT 125	LC INDUSTRIES	PROVIDED AND INSTALLED BY RM	-	
45	ICE BIN	24" X 24"	SPE27	ICE-O-MATIC	PROVIDED AND INSTALLED BY RM	-	
46	TOWING BAR	24" X 24"	BRO5	BEVERAGE AIR	PROVIDED AND INSTALLED BY RM	-	
47	GLASS FILLER	-	-	T AND S BRASS AND BRONZE	PROVIDED AND INSTALLED BY RM	-	



1 EQUIPMENT PLAN
SCALE: 1/4" = 1'-0"

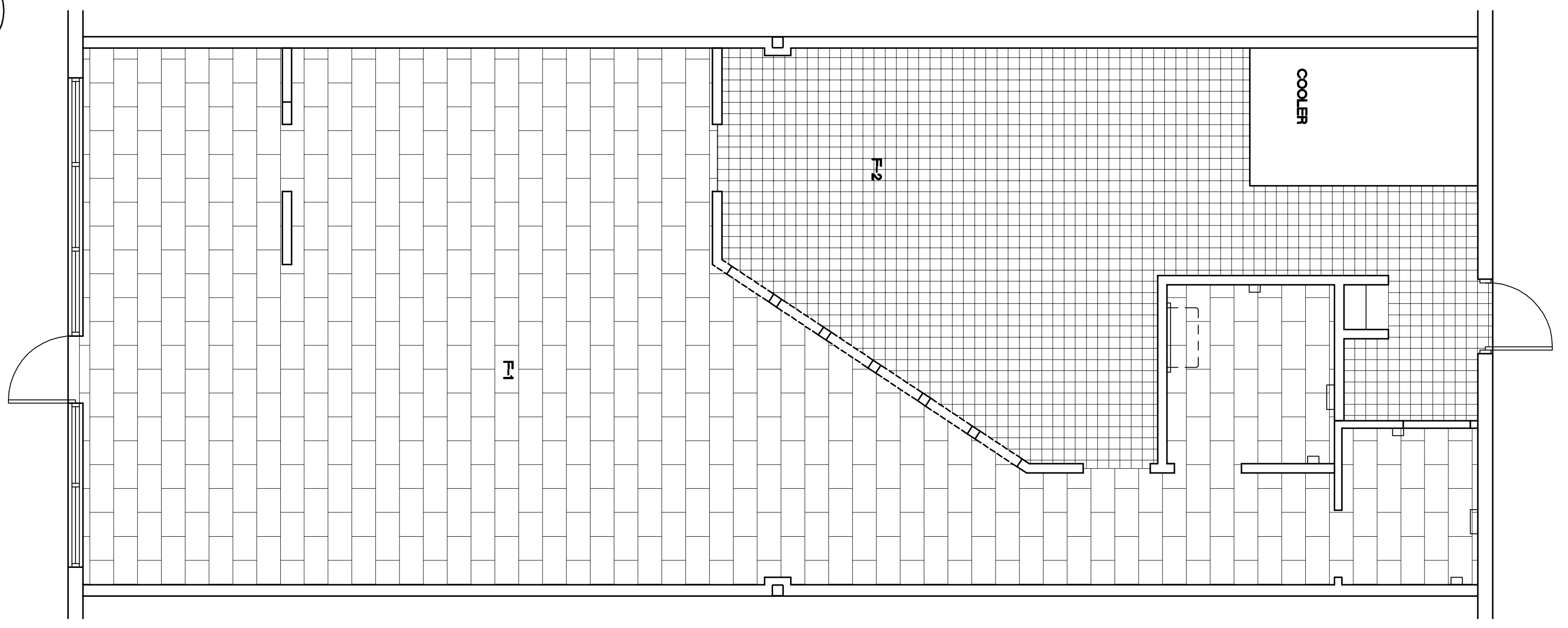


3 CEILING SOFFIT DETAIL
SCALE 3/4\"/>



1 REFLECTED CEILING PLAN
SCALE 1/4\"/>

CEILING FINISH SCHEDULE	
MARK	DESCRIPTION
C-1	GYPSUM BOARD FINISHED CEILING, PAINTED, P.T.1, BEYUAMIN MOORE RED #2000-OH-FLAT, SERVICE BAR SOFFIT.
C-2	GYPSUM BOARD FINISHED CEILING, PAINTED, P.T.3, BEYUAMIN MOORE OFFROAD WHITE #899-FLAT, TOILET ROOMS.
ACT-1	AMERITONS GEORGIAN 2 X 4 WHITE GYPSUM LAY-IN CEILING PANELS #793 WITH HIGH FINISH, 11\"/>
ACT-2	AMERITONS GEORGIAN 2 X 2 WHITE GYPSUM LAY-IN CEILING PANELS #764 WITH FINISHED PATTERN AND SQUARE GRID SUSPENSION SYSTEM 1516.
ACT-3	AMERITONS GEORGIAN 2 X 2 WHITE GYPSUM LAY-IN CEILING PANELS #764 WITH HIGH FINISH, 11\"/>



2 FLOOR FINISH PLAN
SCALE 1/4\"/>

FLOOR FINISHES		
MARK	MANUFACTURER	DESCRIPTION
F-1	DAI TILE	PORCELAIN TILE 12\"/>
F-2	DAI TILE	QUARRY TILE 6\"/>

1. GROUT JOINTS TO BE NO MORE THAN 1/8\"/>

2. PROVIDE QUARRY TILE BASE AT WALK-IN COOLER.

Revisions:
A 1/4/11

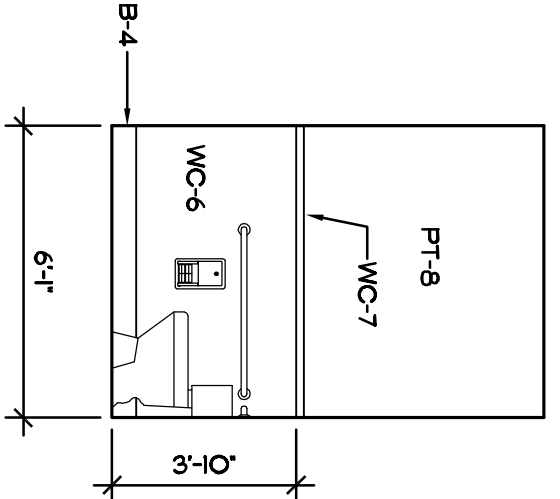
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Content:
Reflected Ceiling
Plan
Floor Finish Plan

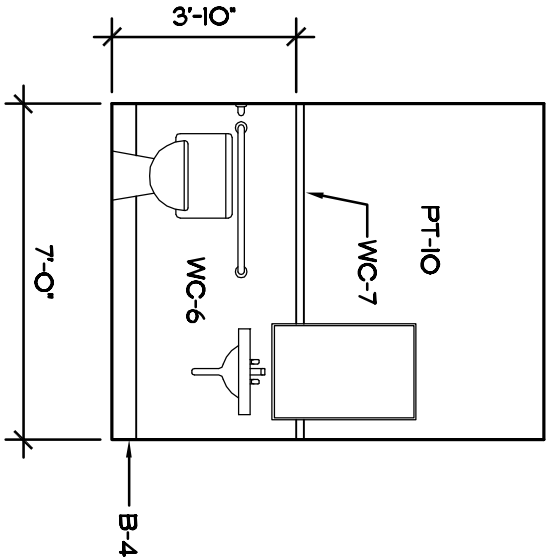
Date: 12/28/10

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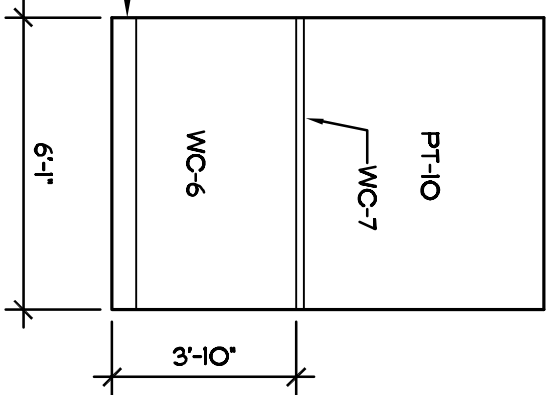
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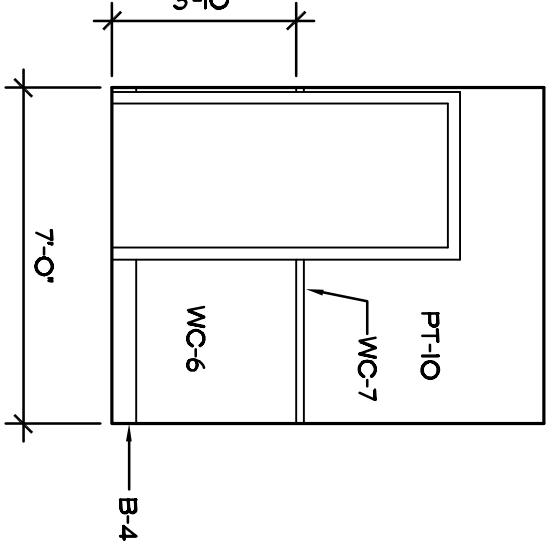
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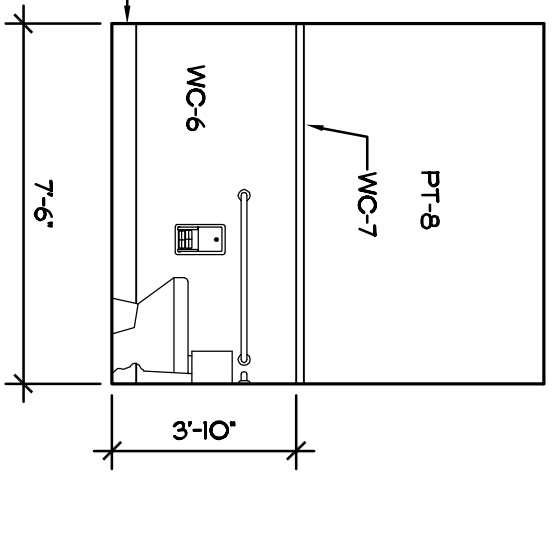
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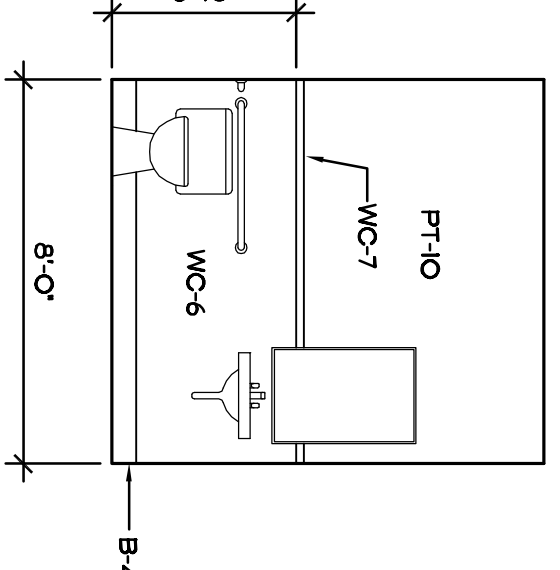
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SCALE 1/4"=1'-0"



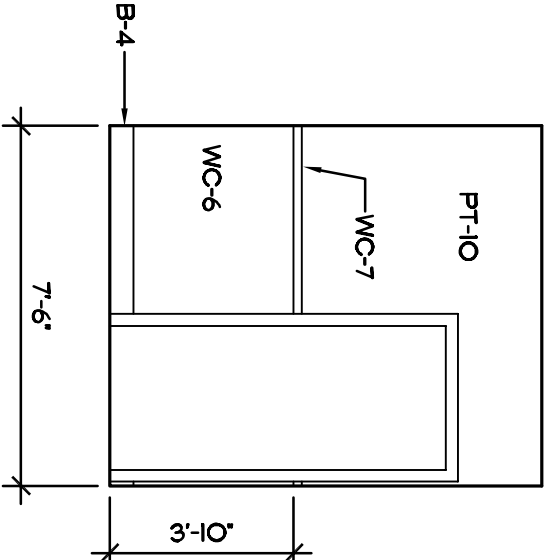
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SCALE 1/4"=1'-0"



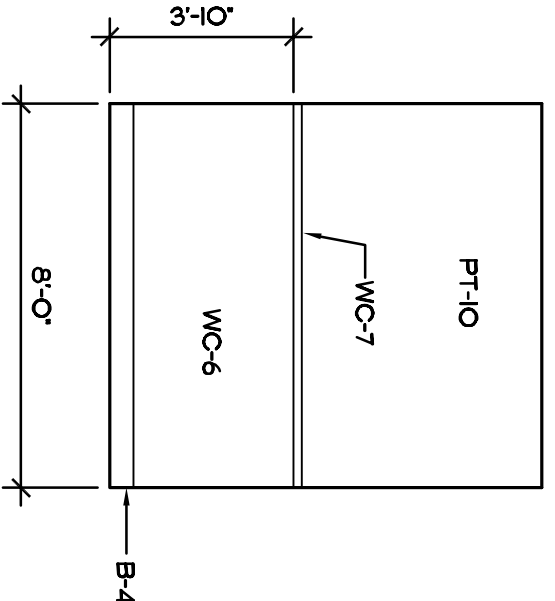
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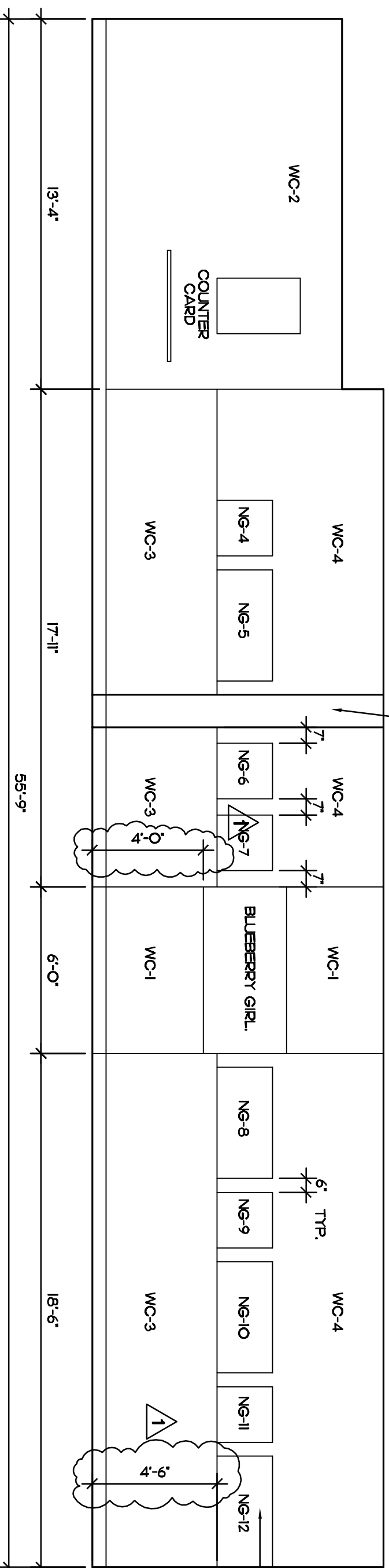
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SCALE 1/4"=1'-0"



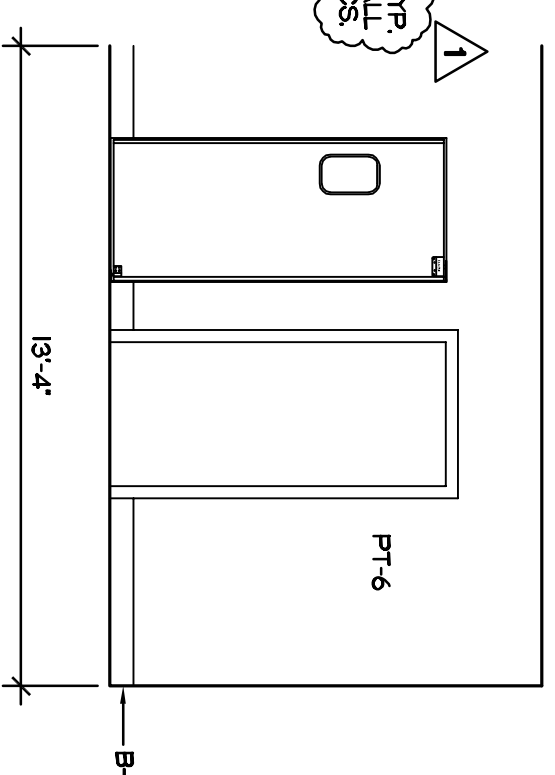
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SCALE 1/4"=1'-0"



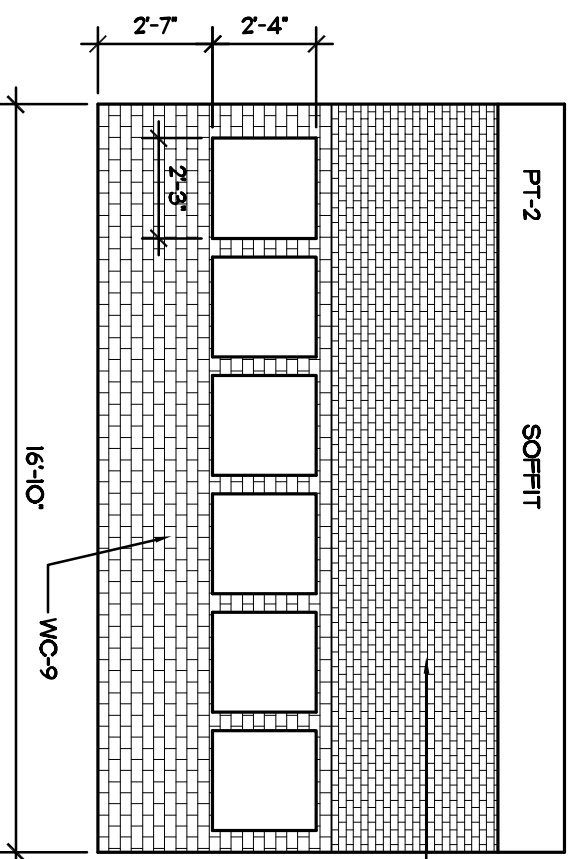
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INT. ELEVATION
SCALE 1/4"=1'-0"



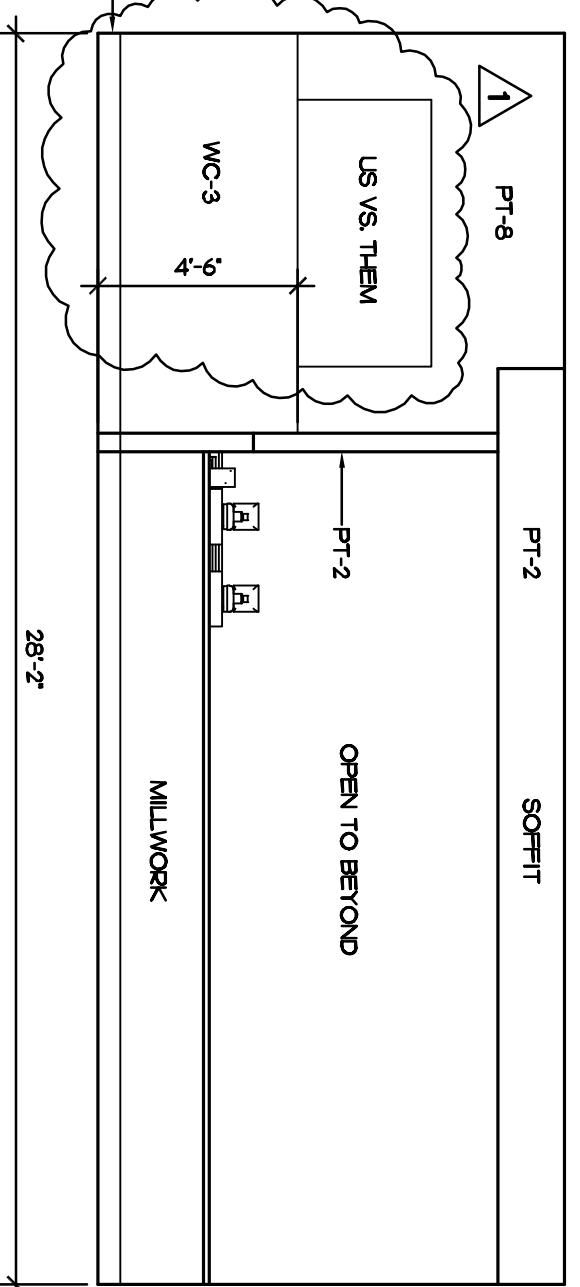
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SCALE 1/4"=1'-0"



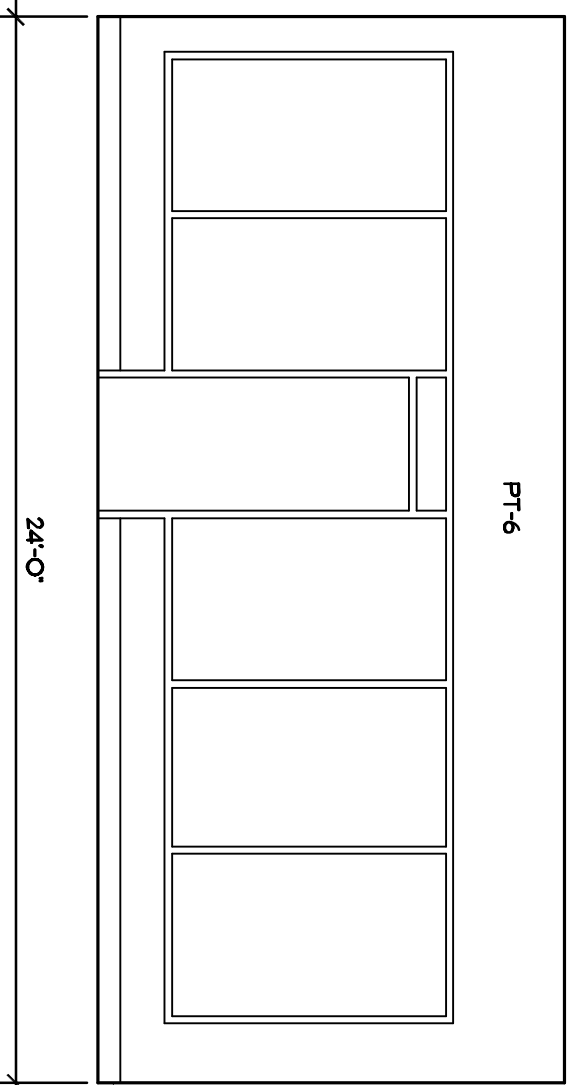
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SCALE 1/4"=1'-0"



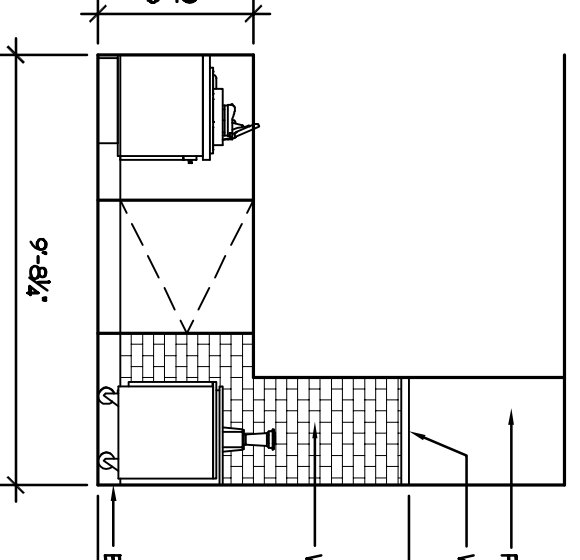
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SCALE 1/4"=1'-0"
NOTE: TO BE INSTALLED 3 ROWS ABOVE TOILET MACHINE OVERLAP



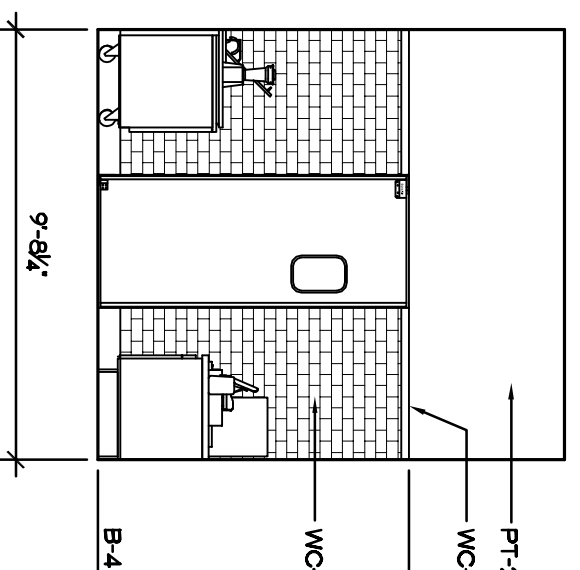
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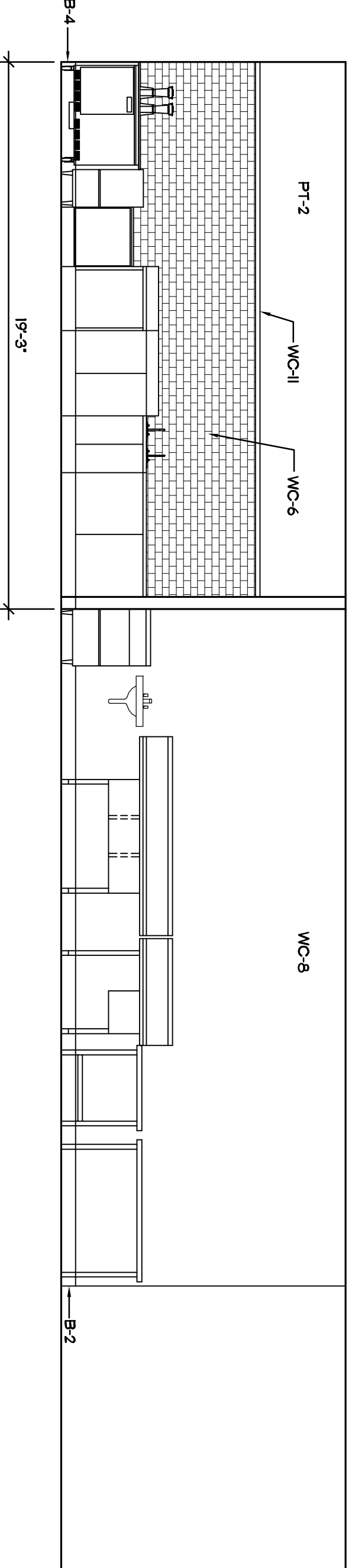
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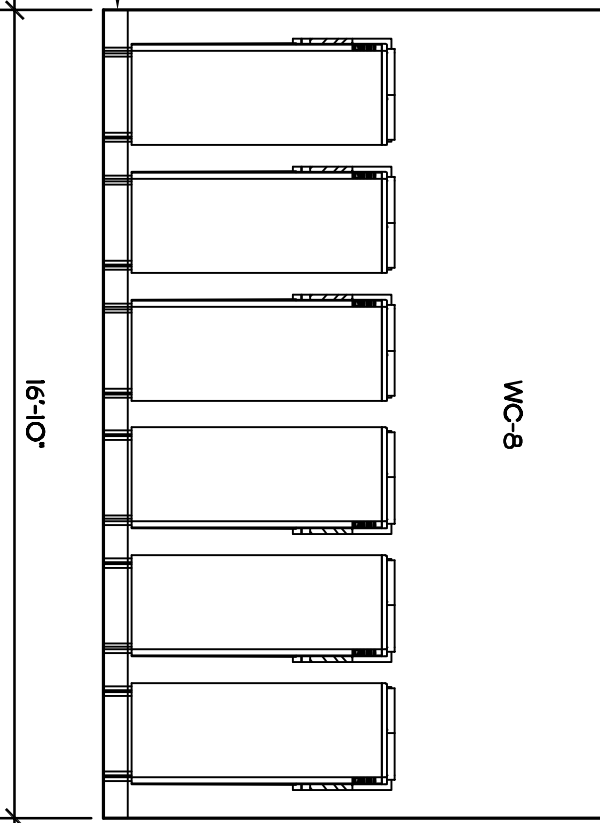
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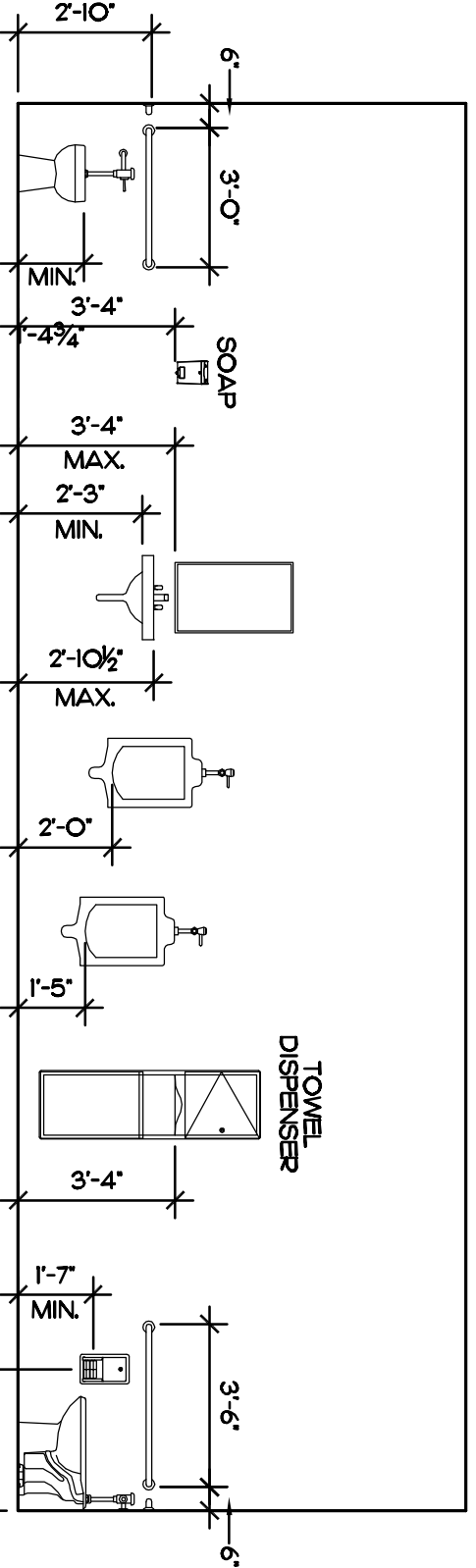
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SCALE 1/4"=1'-0"



16 INT. ELEVATION
SCALE 1/4"=1'-0"



17 INT. ELEVATION
SCALE 1/4"=1'-0"



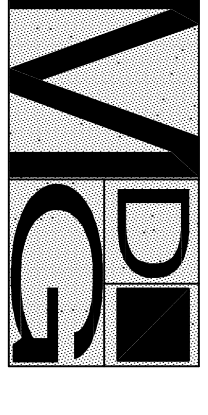
18 TYPICAL ACCESSIBLE MOUNTING HEIGHTS
SCALE 1/4"=1'-0"

ACCESSORIES LEGEND

MARK	MATERIAL	DESCRIPTION
A	3/6 SATIN FINISH GRAB BAR	BOBRICK B-5906 X 36
B	4/2 SATIN FINISH GRAB BAR	BOBRICK B-5906 X 42
C	SURFACE MTD. SOAP DISPENSER	BOBRICK B-4112
D	SURFACE MTD. TOWEL/WASTE	BOBRICK B-3699
E	TOILET TISSUE DISPENSER	BOBRICK B-4288
F	24" X 36" MIRROR	BOBRICK B-165 2436
G	DIAPER CHANGING STATION	KOALA CARE 18 100-01
H	MOP AND BROOM RACK	BOBRICK B-223 X 24

WALL AND BASE FINISHES LEGEND

MARK	MATERIAL	DESCRIPTION
PT-1	PAINT, FLAT FINISH	BERUJANNI MOORE RED 30000-10
PT-2	PAINT, ALBA SATIN FINISH	BERUJANNI MOORE RED 30000-10
PT-3	PAINT, FLAT FINISH	BERUJANNI MOORE OXFORD WHITE #869
PT-4	PAINT, FLAT FINISH	BERUJANNI MOORE RIALAL EARTH #1239
PT-5	PAINT, SEMI-GLOSS	BERUJANNI MOORE RIALAL EARTH #1239
PT-6	PAINT, ALBA SATIN FINISH	BERUJANNI MOORE RIALAL EARTH #1239
PT-7	PAINT, ALBA SATIN FINISH	BERUJANNI MOORE SOFT OLANOIS #013
PT-8	PAINT, SATIN FINISH	BERUJANNI MOORE MEDITERRANEAN SKY #1652
PT-9	PAINT, SEMI-GLOSS	BERUJANNI MOORE SOFT OLANOIS #013
PT-10	PAINT, SATIN FINISH	BERUJANNI MOORE OXFORD WHITE #869
PT-11	PAINT, FLAT FINISH	BERUJANNI MOORE BLACK #123-10
WC-1	PLASTIC LAMINATE	ABRODITE #F-301, CA, TATAMI HAWAII
WC-2	WALL COVERING	KNOLL TEXTILES LEDA WC 1033/5 STORM
WC-3	PLASTIC LAMINATE	WILSONART #7926-38 NEW AGE OAK FINE VELVET FINISH
WC-4	WALL COVERING	CONTRACT COVERING PAITTY MADDEN FLIP 4L*H8G-13 DOVE COBAN
WC-5	SOLID SURFACE	
WC-6	TILE 3' X 6'	
WC-7	TILE 2' X 6'	
WC-8	FRP	
WC-9	TILE 3' X 6'	
WC-10	TILE 1/2" X RANDOM LENGTH	
WC-11	ALUMINUM TRIM	
B-1	VINIT, 6" X 3/8"	JOHNSONITE MANDALAY MW-47-18, 47 BROWN
B-2	QUARRY TILE 6" X 6"	DAITILE ASHEN GRAY, 0703 03565
B-4	TILE 6" X 6"	DAITILE OUTLINE TILE TEC ACCOLOR XT, #927 LIGHT PEWTER GROUT LOUISVILLE TILE TEC ACCOLOR XT, #971 LIGHT PEWTER GROUT LOUISVILLE TILE TEC ACCOLOR XT, #971 LIGHT PEWTER



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architect
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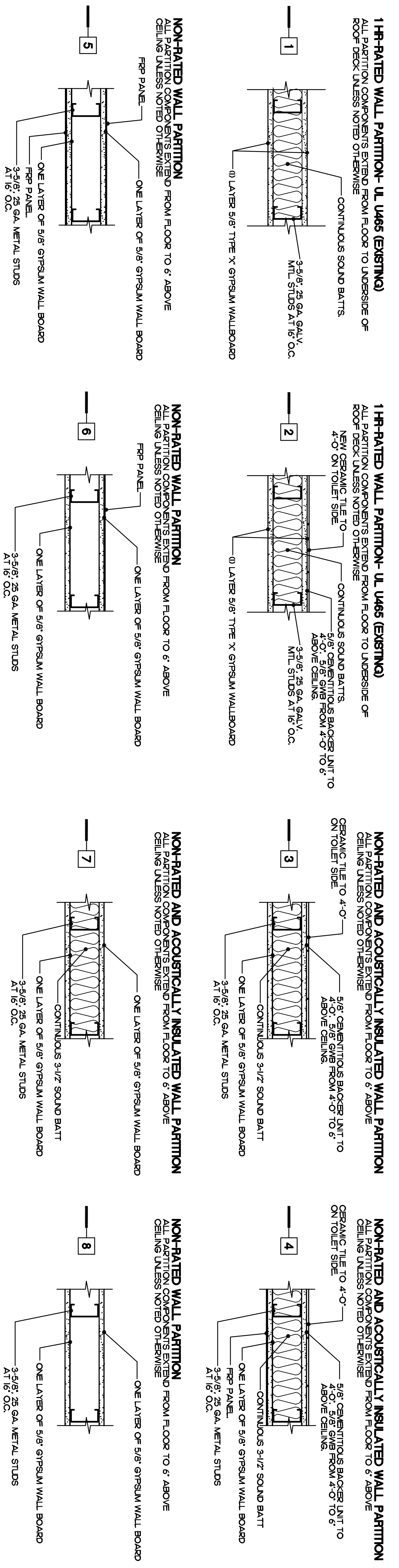
Red Mango
Abacoa Plaza
5430 North Military Trail, Suite 60
Jupiter, Florida

Revisions:
1/14/11

Content:
Wall Types
Door Schedule

Dwg:
Date: 12/28/10
Proj. No. 109
Sheet No.

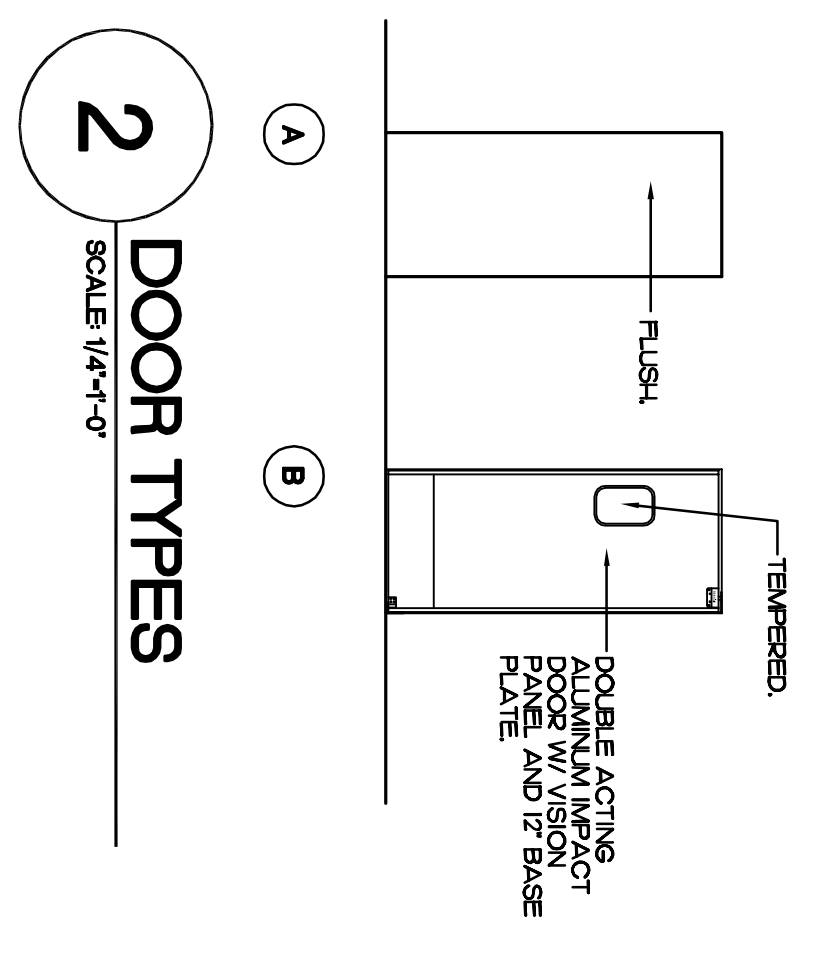
A2.5



1 WALL TYPES
SCALE 1/4"=1'-0"

DOOR SCHEDULE													
DOOR	LOCATION	DOOR			FRAME			DETAILS					
		TYPE	MAT.	SIZE	TYPE	MAT.	HEAD	JAMB	SILL	TRIM	HOUR SET	REMARKS	DOOR NOTES
IO1A	DINING IO1	-	AL/GL	3'-0" X 7'-0"	-	AL	-	-	-	-	1	EXISTING DOOR TO REMAIN	-
IO3A	SERVICE IO3	A	SCMD	3'-0" X 3'-0"	-	-	-	-	-	-	2	PLANO HINGE	-
IO3A	TOILET IO3	A	SCMD	3'-0" X 7'-0"	-	HM	-	-	-	-	2	-	-
IO7A	BACK ROOM IO7	-	HM	3'-0" X 7'-0"	-	-	-	-	-	-	3	EXISTING DOOR TO REMAIN	-
IO7B	BACK ROOM IO7	-	AL	3'-0" X 7'-0"	-	-	-	-	-	-	-	ELIASON EAST SWING DBL. ACTING LWP-3.	-
IO7C	BACK ROOM IO7	-	AL	3'-0" X 7'-0"	-	-	-	-	-	-	-	ELIASON EAST SWING DBL. ACTING LWP-3.	-

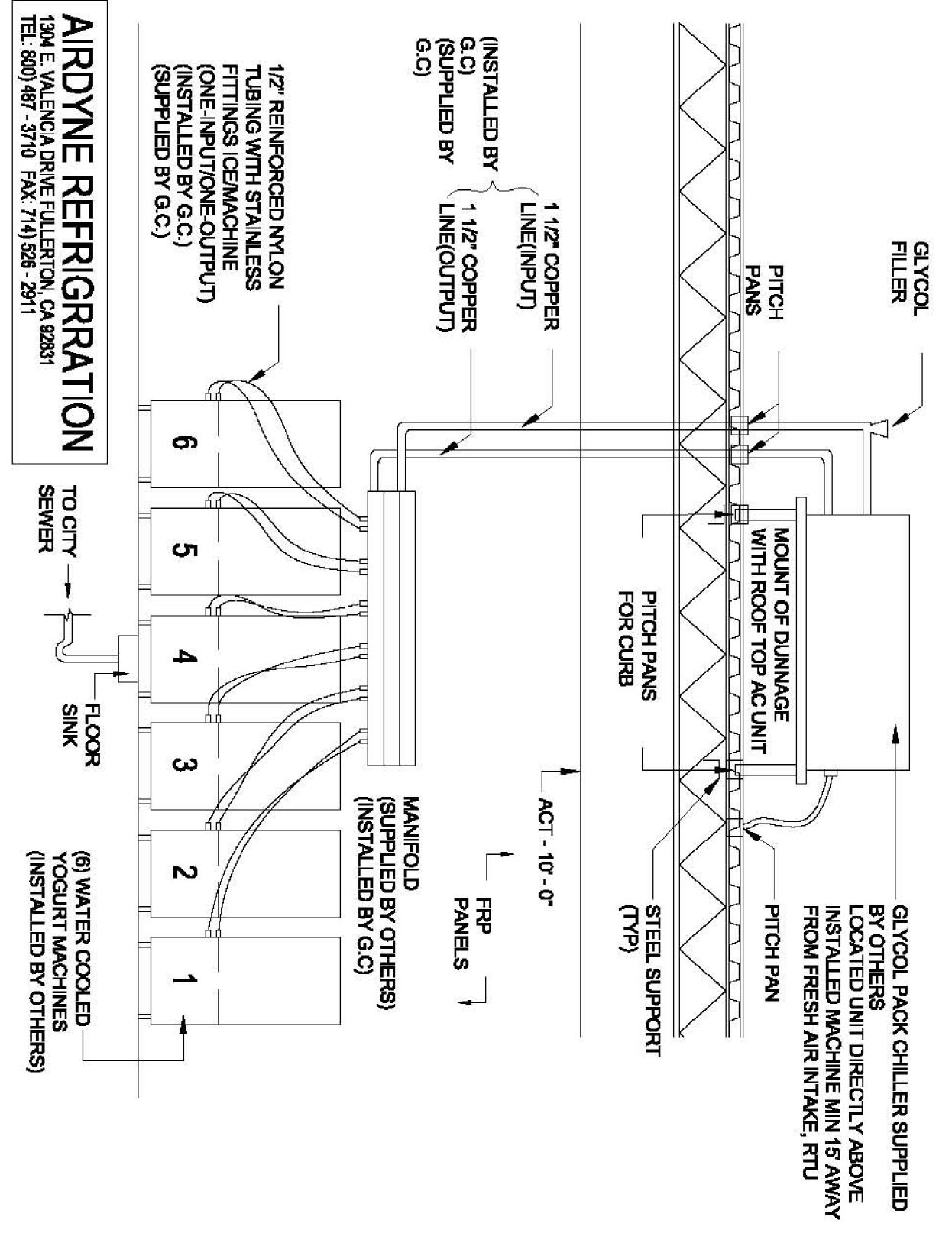
HARDWARE SCHEDULE			
SET	QTY.	DESCRIPTION	MANUFACTURER
1	1	C KETWAY EXISTING DOOR PULL	SCHLAGE
2	1/2	HINGES BR279, 4 X 4, US32D PUSHPLATE #4200-8-US28-3 1/2 X 12 PULL #1032Z-6-US-28-4M FLOOR STOP #FS7 US32D KNOPLATER #K400-SS20, 33"	HAEGAR IVES OR EQUAL SCHLAGE OR EQUAL IVES OR EQUAL IVES IVES LON OR EQUAL SCSLAGE SCSLAGE C KETWAY
3	1	EACH DOOR CLOSER W/ HOLD OPEN-1460 (ONE SIDED INDICATOR DEAD BOLT #507) C KETWAY	IVES



A2.5

AIR CONDITIONING LEGEND

	8 1/2" CD-A 200 CFM	CEILING DIFFUSER TYPE/ SIZE PATTERN/ CAPACITY
	24x24 RG-B	RETURN AIR GRILLE TYPE/ SIZE.
	12x10	RIGID DUCT & SIZE.
	10"	FLEXIBLE DUCT & SIZE.
	J	BALANCING DAMPER
	T	THERMOSTAT LOCATION
	→→→	TURNING VANES
	B	BACKDRAFT DAMPER



AIRDYNE ROOF TOP CHILLER
NTS

GENERAL NOTES

- EXIST. AC UNIT SHALL REMAIN. ALL EXISTING SUPPLY AND RETURN DUCTWORK AND AIR DISTRIBUTION DEVICES SHALL BE REMOVED AND NEW DUCTS AND DEVICES INSTALLED. REMOVE EXISTING THERMOSTAT AND INSTALL NEW THERMOSTAT AS SHOWN.
- CONFIRM EXACT LOCATION OF EXIST. UNIT AND DUCT ROOF PENETRATIONS BEFORE START OF CONSTRUCTION. ADJUST NEW DUCT LAYOUT IF REQUIRED BY EXIST. CONDITIONS AT NO ADDITIONAL COSTS TO THE OWNER. REBALANCE TOTAL SUPPLY AIR FLOW TO 2000 CFM. REBALANCE OUTDOOR AIR FLOW TO 315 CFM.
- INSTALL GRAVITY BACKDRAFT DAMPER IN RELIEF AIR DUCT.
- REMOVE EXIST. EXHAUST FAN AND EXHAUST DUCT. INSTALL NEW FAN AND DUCTWORK TO CONNECT TO EXIST. WALL MOUNTED EXHAUST LOUVER.
- ENERGY CALCS NOT REQUIRED. EXISTING AC UNIT REMAINS.

AIR CONDITIONING CONTROL SEQUENCE

1. A/C UNIT SHALL HAVE DIGITAL, PROGRAMMABLE THERMOSTAT LOCATED 4'-6" ABOVE FIN. FL. AS SHOWN ON THE DRAWINGS. THERMOSTAT SHALL HAVE THE FOLLOWING FEATURES:
1 DAY PROGRAMMING (ON-OFF, ETC.)
NIGHT SETBACK
HEATING & COOLING
ADJUSTABLE DEAD BAND
AUTOMATIC HEAT/COOL CHANGEOVER
MANUAL OVERRIDE (TEMPORARY UP TO 2 HOURS)
LOCKING KEYBOARD
DIGITAL TIME & TEMPERATURE DISPLAY
DUCT MOUNTED REMOTE TEMPERATURE SENSOR
EVAPORATOR FAN SHALL RUN CONTINUOUSLY WHENEVER SYSTEM IS PROGRAMMED TO RUN.

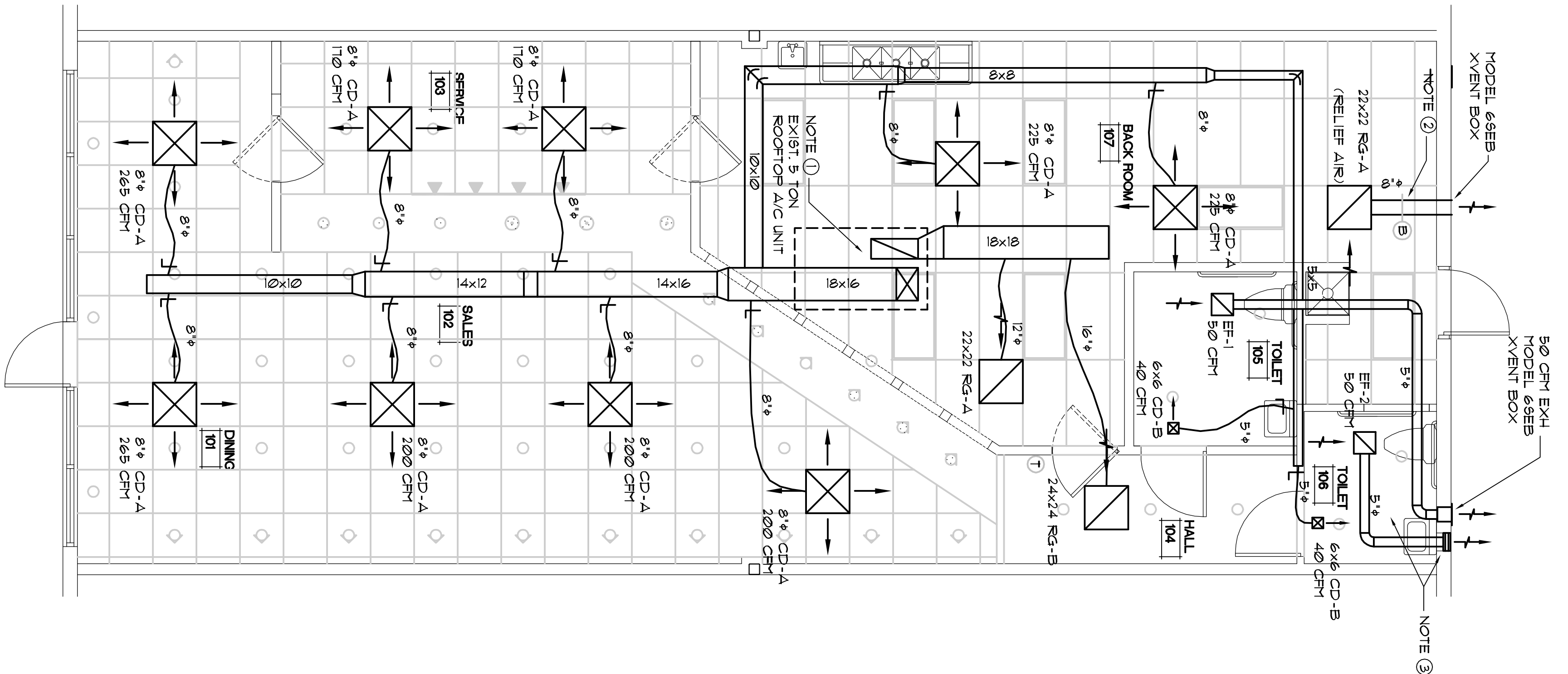
OUTDOOR AIR CALCULATION

BASED ON ASHRAE STD. 62.1-2001, TABLE 6-1

UNIT NO.	SPACE USE	OCC.	CFM/ OCC.	OCC.	SPACE AREA SF.	CFM/ SF.	AREA CFM	TOTAL CFM
AC-1	BACK ROOM	3	5	15	480 SF.	0.06	29	44
	SERVICE	2	5	10	370 SF.	0.06	22	32
	SALES	21	5	105	307 SF.	0.06	19	124
	DINING	10	15	15	220 SF.	0.18	40	115
	TOTAL O/A REQUIRED							315
	O/A PROVIDED							315
	EXHAUST AIR							100
	RELIEF AIR							215

PROJECT SPECIAL NOTES

- ALL ROOF PENETRATIONS MUST BE ACCOMPLISHED AT TENANT'S EXPENSE USING LANDLORD'S DESIGNATED ROOFING CONTRACTOR.
- ALL CONDENSATE TO BE PIPED OFF OF ROOF MEMBRANE INTO ROOF DRAINS/DOWNSPOUTS. PENETRATIONS BEFORE START OF CONSTRUCTION.



AIR CONDITIONING PLAN
SCALE 1/4"=1'-0"

SECTION 15200
AIR CONDITIONING
PART 1 - GENERAL

1201 SCOPE: The work covered by this section of the specifications consists of furnishing all plant, labor, equipment, appliances and materials, and in performing all operations in connection with the installation of an air conditioning system, complete, and in accordance with this section of the specifications and the applicable drawings, and subject to the terms and conditions of the contract.

1202 CODES AND STANDARDS: All work shall comply with the Florida Building Code 2001, Mechanical and all local addendum.

1203 CONTRACTOR'S GUARANTEE AND SERVICE: All equipment to be furnished under this section of the specifications shall be guaranteed for a period of one year unless noted otherwise.

PART 2 - PRODUCTS

2201 DUCTWORK: Supply and return air ductwork shall be fibrous glass. Outdoor air and exhaust ducts shall be galvanized steel. Rerouts to air distribution devices shall be flexible duct where shown.

- A. Steel Duct: Duct shall be constructed in accordance with latest edition of SMACNA HVAC Duct Construction Standards.
- B. Fibrous Glass Duct: Duct shall be R-6, with foil reinforced jacket, conforming with the latest edition of SMACNA Fibrous Glass Duct Construction Standards.
- C. Flexible Duct: Duct shall be UL Listed 18L Class 1, constructed of flexible fabric with spiral reinforcing wire and 1-1/2 inch thick fibrous glass insulation and reinforced with vapor barrier jacket.

2202 DUCT ACCESSORIES:

- A. Air Turning Vanes: Turning vanes shall consist of single thickness curved metal blades or vanes, arranged so as to permit the air to make abrupt turns without appreciable turbulence.
- B. Volume Control Dampers: Balancing dampers shall be the opposed blade type with a manually adjustable, locking quadrant control. Frame shall be 1/6 gauge galvanized steel channel, blades shall be 1/6 gauge galvanized steel. linkage shall be concealed in frame. Single blades shall be used on dampers 10 inches high or less. Shop-built volume dampers are not allowed. Provide 2 inch high standards to allow for duct insulation.

2203 AIR DISTRIBUTION DEVICES: Air distribution devices shall be the standard catalog product of the manufacturer, designed for air conditioning, under the conditions for which it is to be used. All devices shall have the nominal measurements indicated on the drawings and shall be designed to deliver the amount of air indicated on the drawings at the required throw.

All devices shall be listed and tested in accordance with acceptable industry standards and performance data shall be catalogued by the Manufacturer.

PART 3 - EXECUTION

3201 Equipment: All equipment shall be installed as detailed on the drawings and in conformance with the manufacturer's recommendations. Any deviations from drawings must be approved by the Owner's representative.

3202 Ductwork: All ductwork shall conform to the appropriate SMACNA construction standards. All turning vanes, splitter dampers, etc. shall be installed where indicated on the drawings. All ducts shall conform accurately to the dimensions indicated on the drawings and shall be straight and smooth on the inside with joints neatly finished. All duct dimensions refer to the net free interior dimensions.

Any changes necessary to clear obstructions shall be approved by the Engineer before fabrication. Ducts shall be securely anchored to the building in an approved manner and shall be completely free from vibration under all conditions of operation. Ductwork shall be airtight at static pressures indicated for the systems before being concealed.

3203 CLEANING AND ADJUSTING:

- A. Ducts, plenums and casings shall be thoroughly cleaned of all debris and blown free of all small particles of rubbish and dust before installing outlet faces. Equipment shall be wiped clean, with all traces of oil, dust, dirt or paint spots removed. Temporary filters shall be provided for all fans that are operated during construction after all construction dirt has been removed from the building, new filters shall be installed.

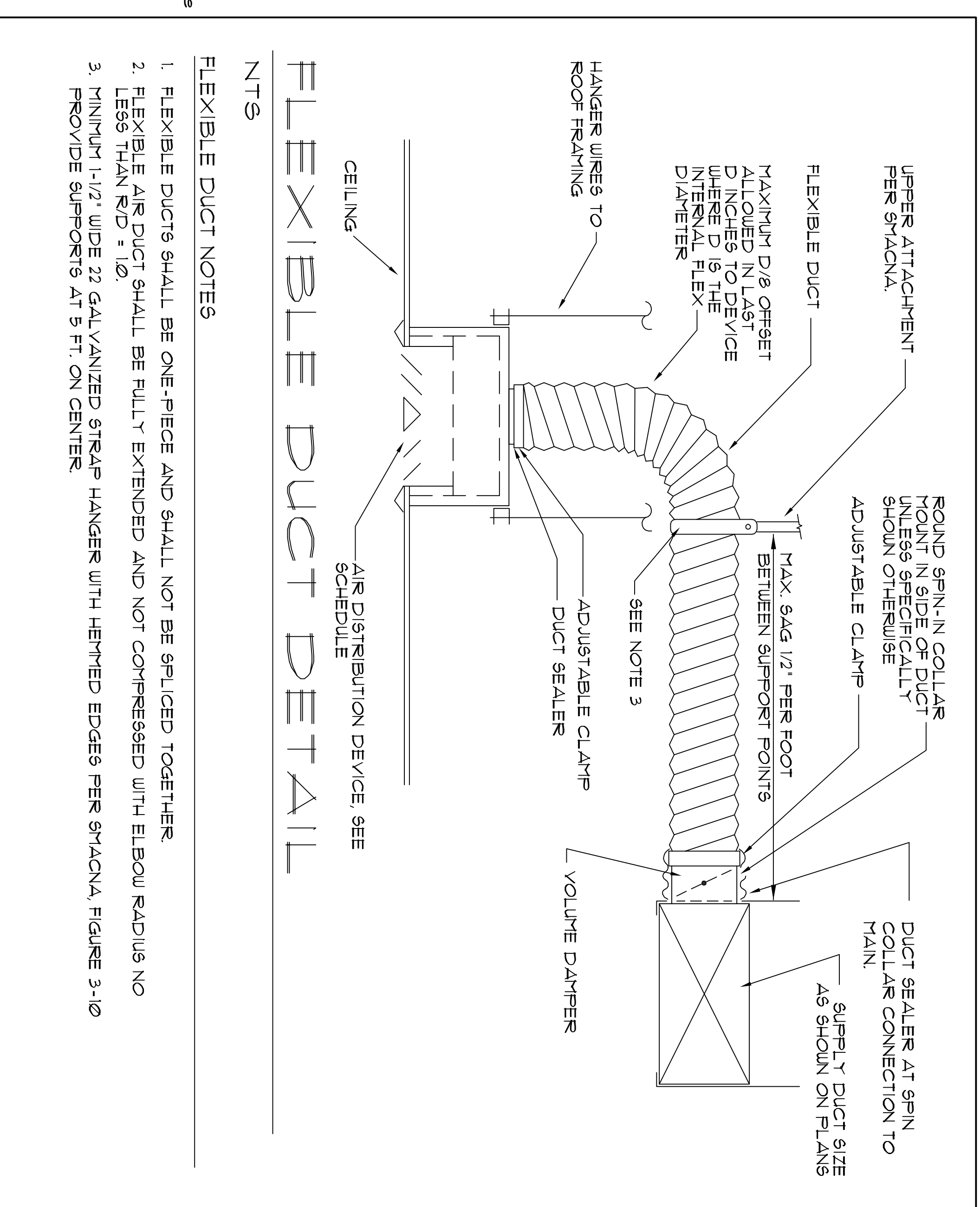
B. Bearings shall be properly lubricated with oil or grease as recommended by the manufacturer. Belts shall be tightened to proper tension. All control valves and other miscellaneous equipment requiring adjustment shall be adjusted to setting indicated by the manufacturer to meet specified conditions.

3204 BALANCING AND TESTING: All and ductwork fabricated at the job site shall be pressure tested for leaks before insulation is installed.

- A. Duct work shall be made substantially air-tight for the static pressure indicated for the system. Air leakage shall be noticeable by the sense of feeling or hearing.
- B. Air Flow:
 1. The systems shall be balanced so that the total supply air quantity to each space shall be within -5% to +10% of the design amount. Submit complete test and balance report.
 2. The pattern for all adjustable outlets shall be adjusted for proper distribution without drafts.

3205 OPERATING AND MAINTENANCE INSTRUCTIONS: Operation and maintenance instructions in printed form, for each major item of equipment, shall be furnished by the Contractor, together with approved wiring and control diagrams. All shall be bound in book form and three (3) copies shall be delivered to the Owner's representative.

END OF SECTION



FLEXIBLE DUCT NOTES

1. FLEXIBLE DUCTS SHALL BE ONE-PIECE AND SHALL NOT BE SPICED TOGETHER.
2. FLEXIBLE AIR DUCT SHALL BE FULLY EXTENDED AND NOT COMPRESSED WITH ELBOW RADIUS NO LESS THAN R/D = 10.
3. MINIMUM 1-1/2" WIDE 22 GALVANIZED STRAP HANGER WITH HEMMED EDGES PER SMACNA, FIGURE 3-10 PROVIDE SUPPORTS AT 5 FT. ON CENTER.

FAN SCHEDULE

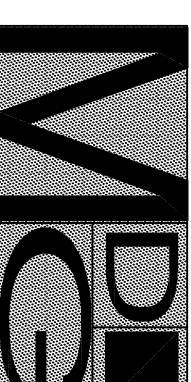
MARK	SERVICE	CAPACITY (CFM)	SP. (IN. WG.)	MOTOR HP.	ELEC. SERV. (V/F/H/Hz)	MAKE AND MODEL	MAX. SONES	REMARKS
EF-1	TOILET 105	50	0.25	45W	120/160	GREENHECK SP-B10-QD	2	① ②
EF-2	TOILET 106	50	0.25	45W	120/160	GREENHECK SP-B10-QD	2	① ②

- ① INTERNAL DISCONNECT METHOD
- ② FAN SPEED CONTROLLER

AIR DISTRIBUTION DEVICE SCHEDULE

MARK	DESCRIPTION	MAKE / MODEL	REMARKS
CD-A	CEILING DIFFUSER	TT1U3 T19A-AA	① ② ③
CD-B	CEILING DIFFUSER	TT1U3 TDC-AA	① ④
RG-A	RETURN AIR GRILLE	TT1U3 B0	① ②
RG-B	RETURN AIR GRILLE	TT1U3 B0	① ④

- ① WHITE FINISH
- ② 2"x2" LAY-IN FRAME
- ③ 8"ø NECK
- ④ FLAT FRAME



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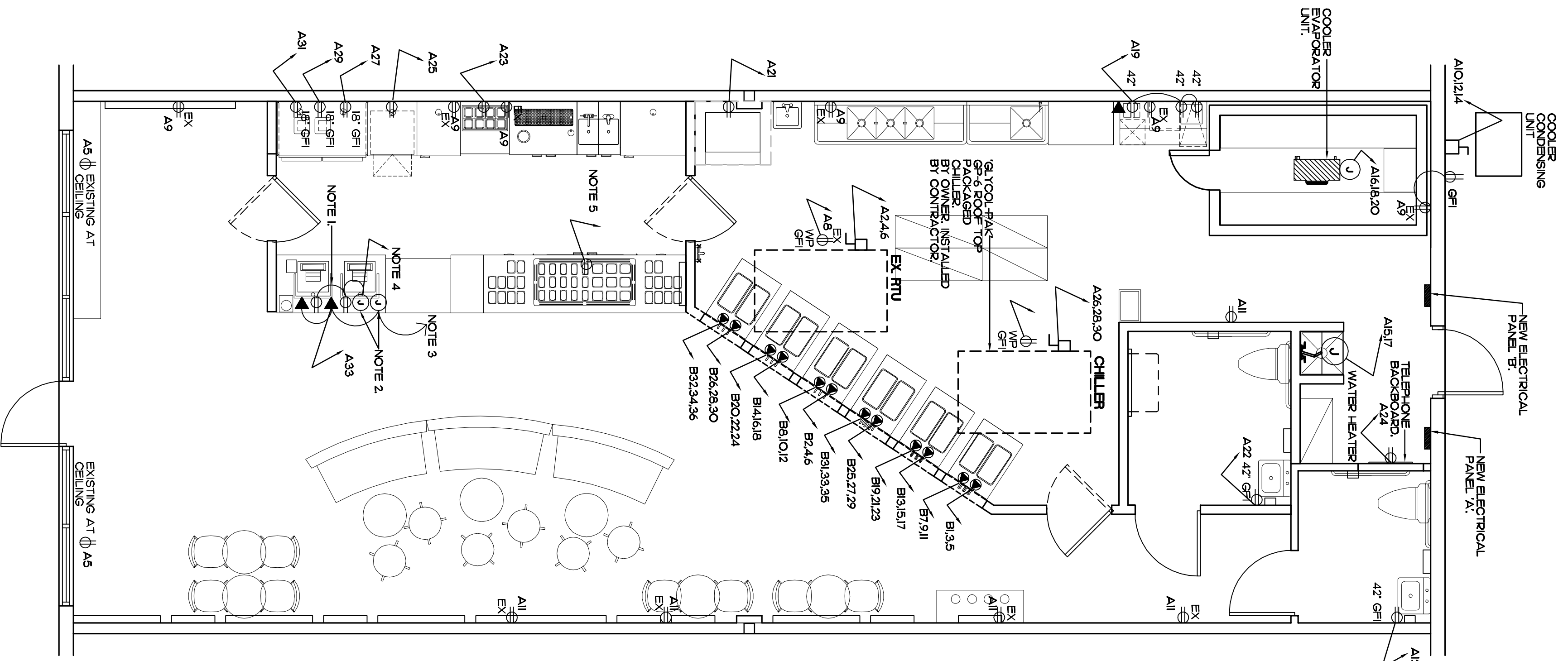
Michael Morel
Architect
A80013132

Content:
Specifications
and Details

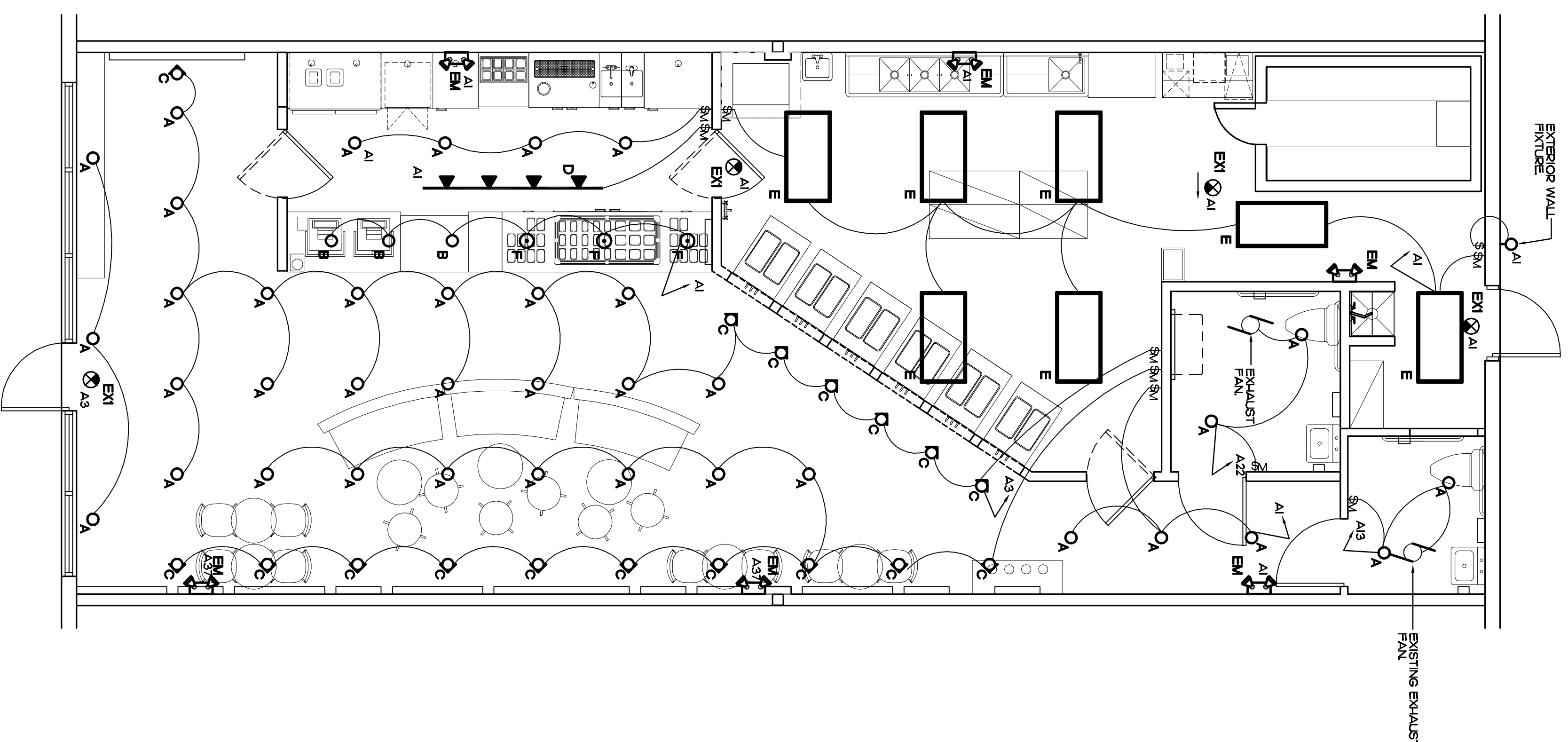
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Date: 12/28/10
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Sheet No.
AC-2

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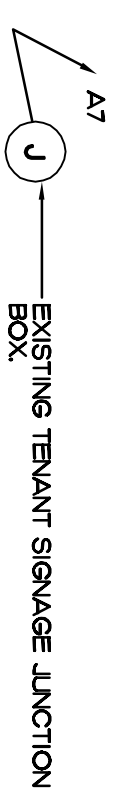


1 POWER PLAN
SCALE: 1/4"=1'-0"



2 LIGHTING PLAN
SCALE: 1/4"=1'-0"

LEGEND
 \$M OCCUPANCY MOTION SENSOR LUTRON MAESTRO 120V
 OR SIGNAL

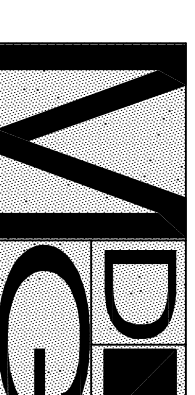


LIGHTING FIXTURE SCHEDULE			
MARK	MANUFACTURER	MODEL	DESCRIPTION
A	QREE	L96C-2R000RC6-S-2J4L76P-02R	6' 125W LED DOWNLIGHT
B	QREE	LRH-1/11' 14-15A/14	4' 11W LED DOWNLIGHT
C	QREE	LR6-GL24TRC6-S-124	12W ADJUSTABLE LED DOWNLIGHT
D	WAC	SF-99-WT/ST-1-WT/ST-8-WT	CYLINDER LOW VOLTAGE TRACK HEAD AND REMOTE TRANSFORMER, 200WATTS.
E	EXISTING		BASE EXISTING 2' X 4' FIXTURES
EM	ELITE	ELM-503-W	WHITE THERMOPLASTIC EXIT SIGN RED LETTERS
F	TECH	700F-BIZOC	12V LOW VOLTAGE PENDANT 75W WARM LAMP

SC TO PROVIDE AND INSTALL ALL LIGHTING. SC TO CONTACT RED MANGO'S LIGHTING CONSULTANT FOR PRICING OF ABOVE SPECIFIED FIXTURES.
 LIGHTING CONSULTANT:
 RED MANGO
 KELLY ELDRIDGE
 (561) 877-0773/9
 (3) 502-802-5119
 REDMANGO@COM-SERV.COM

POWER AND SYSTEMS NOTES

1. THERE IS A CHASE AT THE BACK OF THE POS STATION AND TOPPING BAR UNITS. REFER TO CUT SHEETS FOR MORE INFORMATION.
2. PROVIDE (2) JUNCTION BOXES ONE FOR POWER AND ONE FOR DATA/TELEPHONE FOR WHP CONNECTIONS TO POS UNITS AT CASHWAP.
3. SC TO PROVIDE (2) 1/2" O.D. CHASE AND WHP TERMINATIONS.
4. POS CASH REGISTER UNIT. PROVIDE (1) DEDICATED QUAD OUTLET FOR POWER, ONE DEDICATED PHONE OUTLET AND ONE DATA OUTLET TO EACH EQUAL. THE TOP OF THE PEBESTAL HOUSING SHALL NOT EXTEND MORE THAN 4" ABOVE FINISHED FLOOR. PROVIDE ALL REQUIRED PLATES FOR A FINISHED INSTALLATION.



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Revisions:
 1/14/11

Content:
 Power Plan
 Lighting Plan
 Lighting Schedule

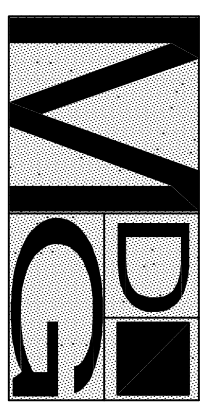
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Date: 12/28/10

Proj. No. 109

Sheet No.

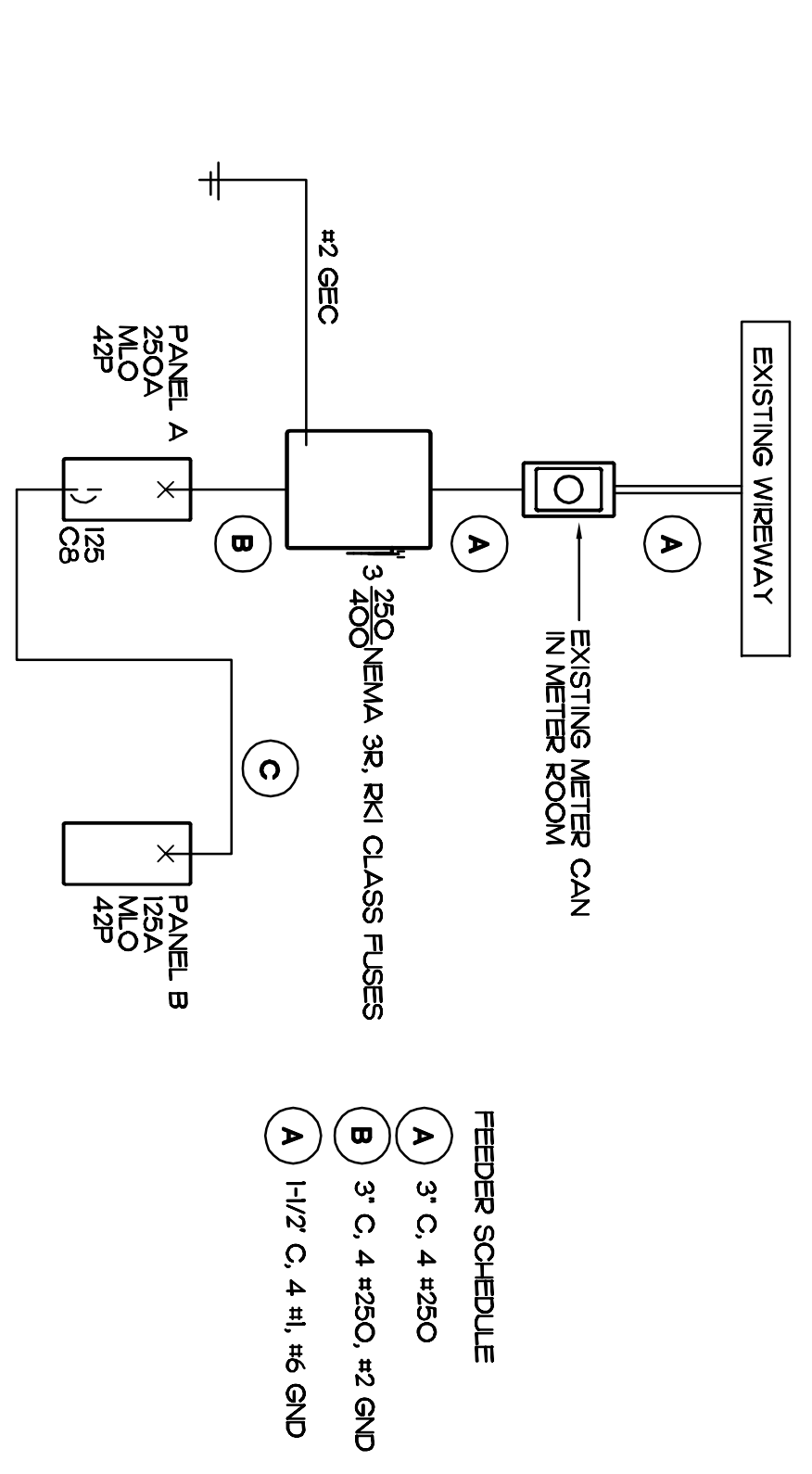
E2.1



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ELECTRICAL NOTES

- ALL FEEDER AND BRANCH CIRCUITS SHALL BE INSTALLED WITH AN EQUIPMENT GROUND SIZED PER NEC.
- SAFETY SWITCHES SHALL BE FUSED, HEAVY DUTY TYPE SQUARE D OR EQUAL. SWITCH ENCLOSURES SHALL BE NEMA TYPE 1 FOR INDOOR LOCATIONS AND NEMA TYPE 3R FOR OUTDOOR OR WET LOCATIONS.
- CONDUCTORS AND FEEDERS AND BRANCH CIRCUITS SHALL BE RATED 600V, SINGLE CONDUCTOR COPPER WITH THHN INSULATION.
- COORDINATE CIRCUIT BREAKERS TRIPPING, NCA AND DISCONNECT SWITCH FUSE TRIP RATING WITH THE MECHANICAL SUPPLIER.
- FLEX CONNECTIONS TO EQUIPMENT SHALL BE FLEXIBLE LIQUID TIGHT CONDUIT.
- ALL ELECTRICAL SYSTEMS SHALL BE INSTALLED ACCORDING TO THE LATEST NEC AND LOCAL CODES.
- GENERAL RECEPTACLES SHALL BE SPECIFICATION GRADE COPPING TYPE, TOTALLY ENCLOSED, DUPLEX RECEPTACLES RATED 20A, 150V, SEE NEBELL, LEVITON OR EQUAL.
- CIRCUIT BREAKERS SHALL BE 400V, THERMAL MAGNETIC, QUICK MAKE, QUICK BREAK, WOUND CASE AIR CIRCUIT BREAKERS WITH TRIP FREE OPERATION. INCORPORATING AN INTERNAL TRIP BAR AND A SINGLE EXTENSIBLE HANDLE. BREAKER RATINGS SHALL BE COORDINATED WITH THE INSTALLED SERVICE AND REAR TERMINAL BREAKERS SHALL BE RATED NOT LESS THAN THE AIC OF THE ELECTRICAL PANEL.
- CONDUITS MINIMUM SIZE 1/2"
- EMT, INSIDE BUILDING
- RIGID STEEL OR ALUMINUM EXPOSED OUTSIDE BUILDING
- UNDERGROUND TO ABOVE GROUND POSITION FROM PVC
- LIQUID TIGHT FLEXIBLE METAL FLEX CONNECTIONS TO EQUIPMENT.
- ALL MATERIALS SHALL BE UL APPROVED. INSTALLATION SHALL BE IN ACCORDANCE WITH THE NEC AND ALL LOCAL CODE REQUIREMENTS.
- COORDINATE TELEPHONE AND ELECTRIC SERVICE.
- PROVIDE A TYPEWRITTEN DIRECTORY FOR EACH PANEL.
- ASSURE THAT ALL REPAIRS OR SERVICE CONPLY WITH POWER COMPANY REQUIREMENTS. ALL EQUIPMENT NOT FURNISHED AND/OR INSTALLED BY THE POWER COMPANY SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
- FUSIBLE PANELS SHALL NOT protrude. THE DEPTH OF THE WALL SHALL BE CHECKED PRIOR TO ORDERING EQUIPMENT. SURFACE MOUNTED PANELS SHALL BE SECURED FIRMLY TO THE WALL.
- GUARANTEE WORKMANSHIP AND MATERIALS FOR ONE YEAR AFTER ACCEPTANCE OF JOB.
- VERIFY ALL EQUIPMENT FUSE/SIZES PRIOR TO ORDERING.
- PROVIDE FUSED DISCONNECT SWITCHES FOR HVAC EQUIPMENT. SIZE FUSE PER MANUFACTURER'S RECOMMENDATIONS.
- ELECTRICAL CONTRACTOR SHALL FURNISH ALL EQUIPMENT MATERIAL LABOR, ETC. NECESSARY TO PROVIDE A COMPLETE, WORKABLE AND CODE APPROVED ELECTRICAL SYSTEM.
- PER 13-413 REQUIREMENTS
- PER 13-413.1 REQUIREMENTS
- PER 13-413.1B(1) REQUIREMENTS
- PER 13-413.1B(2) REQUIREMENTS
- PER 13-413.1B(3) REQUIREMENTS
- PER 13-413.1B(4) REQUIREMENTS
- PER 13-413.1B(5) REQUIREMENTS
- PER 13-413.1B(6) REQUIREMENTS
- PER 13-413.1B(7) REQUIREMENTS
- PER 13-413.1B(8) REQUIREMENTS
- PER 13-413.1B(9) REQUIREMENTS
- PER 13-413.1B(10) REQUIREMENTS
- PER 13-413.1B(11) REQUIREMENTS
- PER 13-413.1B(12) REQUIREMENTS
- PER 13-413.1B(13) REQUIREMENTS
- PER 13-413.1B(14) REQUIREMENTS
- PER 13-413.1B(15) REQUIREMENTS
- PER 13-413.1B(16) REQUIREMENTS
- PER 13-413.1B(17) REQUIREMENTS
- PER 13-413.1B(18) REQUIREMENTS
- PER 13-413.1B(19) REQUIREMENTS
- PER 13-413.1B(20) REQUIREMENTS
- PER 13-413.1B(21) REQUIREMENTS
- PER 13-413.1B(22) REQUIREMENTS
- PER 13-413.1B(23) REQUIREMENTS
- PER 13-413.1B(24) REQUIREMENTS
- PER 13-413.1B(25) REQUIREMENTS
- PER 13-413.1B(26) REQUIREMENTS
- PER 13-413.1B(27) REQUIREMENTS
- PER 13-413.1B(28) REQUIREMENTS
- PER 13-413.1B(29) REQUIREMENTS
- PER 13-413.1B(30) REQUIREMENTS
- PER 13-413.1B(31) REQUIREMENTS
- PER 13-413.1B(32) REQUIREMENTS
- PER 13-413.1B(33) REQUIREMENTS
- PER 13-413.1B(34) REQUIREMENTS
- PER 13-413.1B(35) REQUIREMENTS
- PER 13-413.1B(36) REQUIREMENTS
- PER 13-413.1B(37) REQUIREMENTS
- PER 13-413.1B(38) REQUIREMENTS
- PER 13-413.1B(39) REQUIREMENTS
- PER 13-413.1B(40) REQUIREMENTS
- PER 13-413.1B(41) REQUIREMENTS
- PER 13-413.1B(42) REQUIREMENTS



ELECTRICAL ONE LINE DIAGRAM

PANEL 'A' SCHEDULE

200/120 VOLTS		3 PHASE		4 WIRE		250 AMP BUS		42 BRANCH POLES		FULL NEUTRAL		LOAD CALCS			
SRF/CIR	MTD	P	A	A	B	C	LOAD	A	P	TL	CKT	TL	CONN. LOAD	DEMAND	DEMAND LOAD
1	L	1	20	1.0	2.8		5-TON RTU (EXISTING)	4.0	3	A	2	M	1.25	1.00	1.00
3	L	1	20	1.0	2.8		WINDOW OUTLETS	4.0	3	A	4	M	1.25	1.00	1.00
5	L	1	20	1.2	1.2	0.5	2.8	4.0	3	A	6	H	1.00	1.00	0.00
7	L	1	20	1.2	1.2	0.9	5.6	2.0	1	R	8	A	8.42	8.42	0.00
9	R	1	20	1.2	1.2	0.9	5.6	6.0	3	P	10	P	89.452	1.00	99.452
11	R	1	20	1.5	5.6	0.9	5.6	6.0	3	P	12	H			
13	L	1	20	1.5	5.6	2.3	2.4	6.0	3	P	14	H			
15	P	2	30	2.3	2.4	2.3	2.4	3.0	3	P	16	A			329.63
17	P	3	30	1.0	2.4	1.4	1.5	3.0	3	P	18	L			
19	R	1	20	1.0	2.4	1.4	1.5	2.0	1	L	22	L			
21	R	1	20	1.0	2.4	1.4	1.5	2.0	1	P	24	R			
23	R	1	20	1.0	2.4	1.4	1.5	3.0	3	P	26	M			
25	R	1	20	1.0	2.4	1.4	1.5	3.0	3	P	28	H			
27	R	1	20	1.0	2.4	1.4	1.5	3.0	3	P	30	A			
29	R	1	20	1.0	2.4	1.4	1.5	3.0	3	P	32	A			
31	R	1	20	1.0	2.4	1.4	1.5	3.0	3	P	34	P			
33	R	1	20	1.0	2.4	1.4	1.5	3.0	3	P	36	P			
35	R	1	20	1.0	2.4	1.4	1.5	3.0	3	P	38	P			
37	L	1	20	1.0	2.4	1.4	1.5	3.0	3	P	40	P			
39	L	1	20	1.0	2.4	1.4	1.5	3.0	3	P	42	P			
41	L	1	20	1.0	2.4	1.4	1.5	3.0	3	P	44	P			
TOTAL PER PHASE													4.0	11.0	11.0
TOTAL CONNECTED LOAD													117.2	398.8	37.3

PANEL 'B' SCHEDULE

200/120 VOLTS		3 PHASE		4 WIRE		225 AMP BUS		42 BRANCH POLES		FULL NEUTRAL		LOAD CALCS			
SRF/CIR	MTD	P	A	A	B	C	LOAD	A	P	TL	CKT	TL	CONN. LOAD	DEMAND	DEMAND LOAD
1	P	3	20	1.5	1.5		SOFT SERVE	2.0	3	P	2	M	1.25	1.00	0.00
3	P	3	20	1.5	1.5		SOFT SERVE	2.0	3	P	4	M	1.25	1.00	0.00
5	P	3	20	1.5	1.5		SOFT SERVE	2.0	3	P	6	H	1.00	1.00	0.00
7	P	3	20	1.5	1.5		SOFT SERVE	2.0	3	P	8	A	1.00	1.00	0.00
9	P	3	20	1.5	1.5		SOFT SERVE	2.0	3	P	10	P	54.00	1.00	54.00
11	P	3	20	1.5	1.5		SOFT SERVE	2.0	3	P	12	P			
13	P	3	20	1.5	1.5		SOFT SERVE	2.0	3	P	14	P			
15	P	3	20	1.5	1.5		SOFT SERVE	2.0	3	P	16	P			
17	P	3	20	1.5	1.5		SOFT SERVE	2.0	3	P	18	L			
19	P	3	20	1.5	1.5		SOFT SERVE	2.0	3	P	20	L			
21	P	3	20	1.5	1.5		SOFT SERVE	2.0	3	P	22	R			
23	P	3	20	1.5	1.5		SOFT SERVE	2.0	3	P	24	R			
25	P	3	20	1.5	1.5		SOFT SERVE	2.0	3	P	26	M			
27	P	3	20	1.5	1.5		SOFT SERVE	2.0	3	P	28	H			
29	P	3	20	1.5	1.5		SOFT SERVE	2.0	3	P	30	A			
31	P	3	20	1.5	1.5		SOFT SERVE	2.0	3	P	32	A			
33	P	3	20	1.5	1.5		SOFT SERVE	2.0	3	P	34	P			
35	P	3	20	1.5	1.5		SOFT SERVE	2.0	3	P	36	P			
37	P	3	20	1.5	1.5		SOFT SERVE	2.0	3	P	38	P			
39	P	3	20	1.5	1.5		SOFT SERVE	2.0	3	P	40	P			
41	P	3	20	1.5	1.5		SOFT SERVE	2.0	3	P	42	P			
TOTAL PER PHASE													9.0	9.0	9.0
TOTAL CONNECTED LOAD													117.2	398.8	37.3

LOAD CALCS

HVAC AT 100%
LIGHTING (L1) 125% (77 X 1.25)
GENERAL POWER AT 100%
EQUIPMENT AT 100%
(77.5 X 0.85)
TOTAL DEMAND
L1 - 235A AT 708V/3 PH
A, 250A SERVICE IS PROVIDED.
64.81 KVA

5.42 KVA
9.63 KVA
16.0 KVA
50.66 KVA

Red Mango
Abacoa Plaza
5430 North Military Trail, Suite 60
Jupiter, Florida

Revisions:
Content:
Panel Schedules

Date: 12/28/10
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Sheet No. E3.1

CONNECT NEW 1" CW TO EXISTING
CW OF EQUAL OR GREATER SIZE
VERIFY SIZE AND LOCATION OF
CONSTRUCTION

EXISTING SHUT-OFF VALVE
WITH VALVE BOX

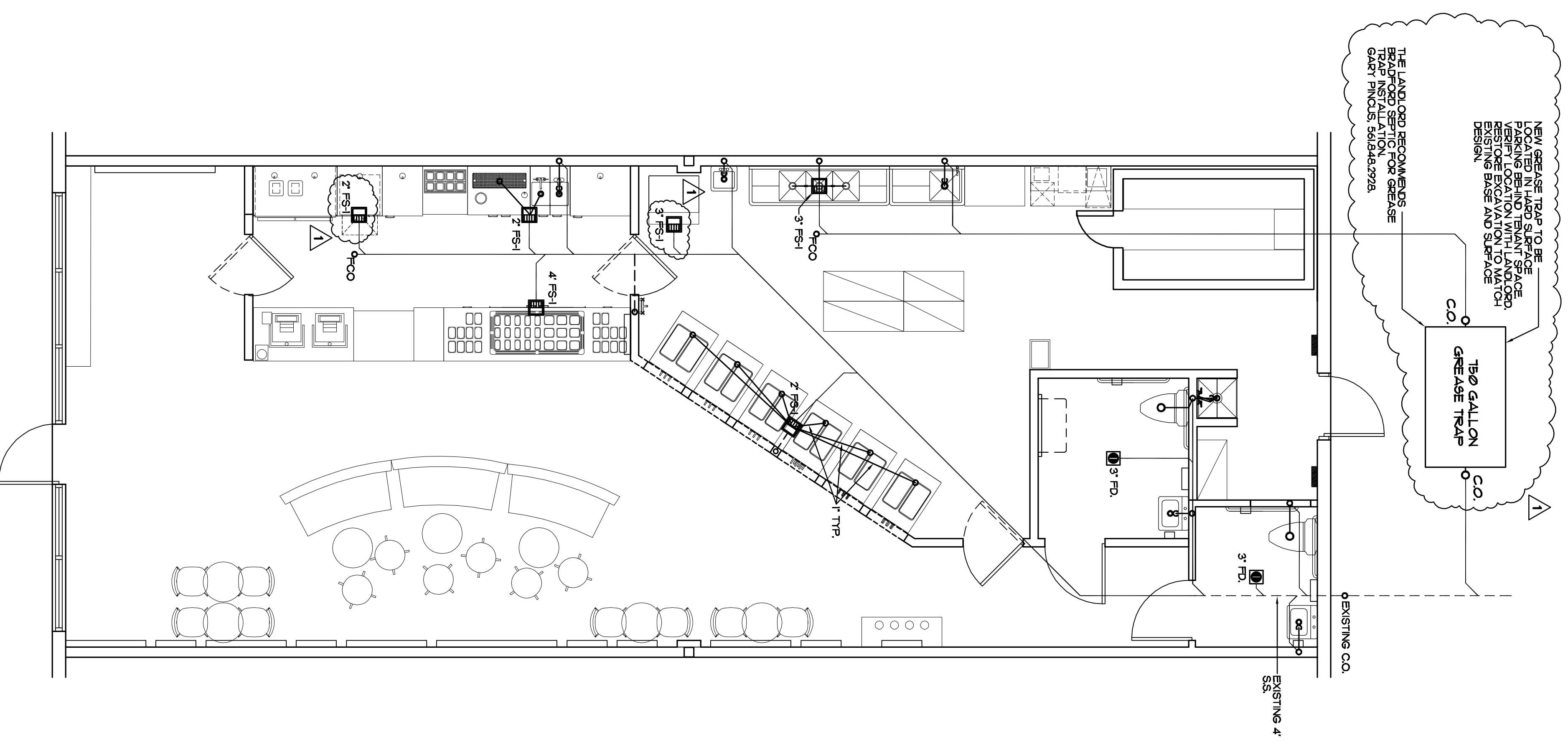
EXISTING CO.

EXISTING #

NEW GREASE TRAP TO BE
LOCATED IN LAND SURFACE
AREA IN LAND SURFACE
VERIFY LOCATION WITH LANDLORD,
RESTORE EXCAVATION TO MATCH
DESIGN
BASE AND SURFACE

THE LANDLORD RECOMMENDS
BRAND NEW 1" CW FOR GREASE
TRAP

750 GALLON
GREASE TRAP



CONNECT NEW 1" CW TO EXISTING
CW OF EQUAL OR GREATER SIZE
VERIFY SIZE AND LOCATION OF
CONSTRUCTION

EXISTING SHUT-OFF VALVE
WITH VALVE BOX

EXISTING CO.

EXISTING #

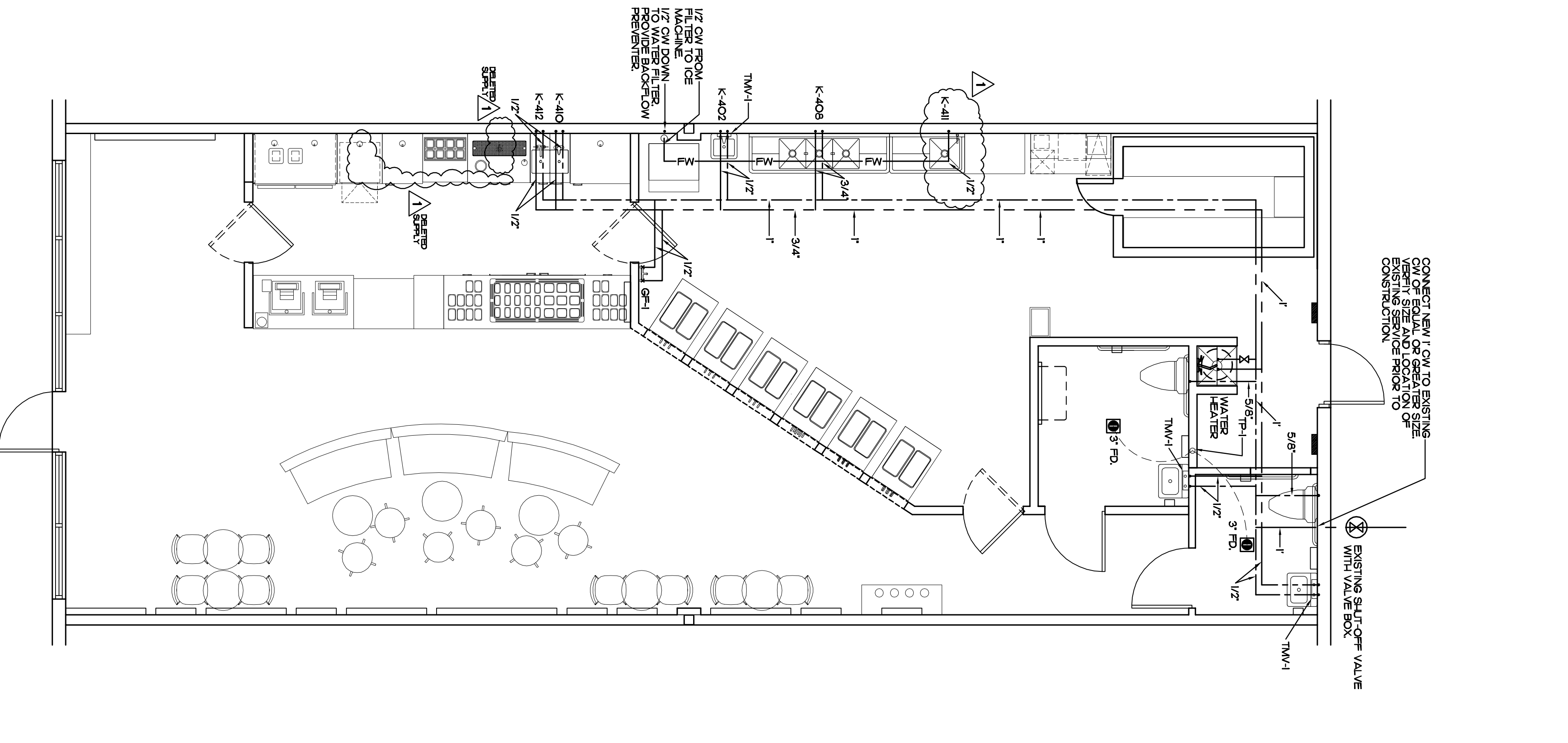
1/2" CW FROM
MACHINE
1/2" CW DOWN
TO WATER FILTER
REVENTER

TMW-1

WATER
HEATER

TMW-1

TMW-1



1

PLUMBING SANITARY PLAN

SCALE 1/4" = 1'-0"

2

PLUMBING WATER PLAN

SCALE 1/4" = 1'-0"

Red Mango
Abacoa Plaza
5430 North Military Trail, Suite 60
Jupiter, Florida

Revisions:
A 1/4/11

Content:
Plumbing Sanitary
Plan
Plumbing Water
Plan

Dwg:

Date: 12/28/10

Proj. No. 109

Sheet No.

P2.1

**SECTION B400
PLUMBING**

PART 1 - GENERAL

1.01 SCOPE: The work under this section of the specifications consists of furnishing all materials and equipment, labor and appurtenances, and performing all operations in connection with the construction and installation of the plumbing system as shown on the drawings and as specified.

PART 2 - PRODUCTS

2.01 WASTE AND VENT PIPE AND FITTINGS:

- A. General: Pipe and fittings shall be copper, PVC, or cast iron. One type of material shall be selected and used throughout the project, unless otherwise indicated on the drawings or approved by the Owner's representative. Copper piping systems may be used in combination with a cast iron piping system.
- B. Copper Tubing:
 - 1. Type "L" Pipe: Pipe shall conform to ASTM B-88, with brazed or solder-joint copper, brass or bronze fittings conforming to ANSI B16.23 or B16.22. Underground pipe shall be type "K".
 - 2. Grade DUV: Pipe shall be hard temper conforming to ASTM B-326, with solder-joint cast bronze fittings conforming to ANSI B16.23. Tubing larger than two inches shall be wrought copper fittings conforming to ANSI B16.23.
- C. Cast Iron Pipe:
 - 1. Hubless Cast Iron Soil Pipe: Pipe shall be service weight with neoprene gasket and stainless steel band and screw joining assemblies conforming to C1091 Standard 301. Use only above grade.
 - 2. Bell and Spigot Cast Iron Soil Pipe: Pipe shall be service weight, conforming to ASTM A-114 with single piece positive seal, elastomeric gaskets conforming to ASTM C-964.
- D. PVC Pipe: Pipe shall conform to ASTM D2665, PVC-DUV with solvent weld joints.

2.02 WATER PIPE AND FITTINGS: Pipe and fittings shall be copper "L" fittings conforming to ANSI B16.22 or B16.18.

- 2.03 VALVES:** All valves shall be domestically produced. Literature submitted for approval shall clearly indicate origin of manufacture.
 - A. Valves: All valves used for shut-off valves shall be ball valves, except where indicated otherwise.
 - B. Ball Valves: Valves shall be one piece carbon steel body full port with chrome plated ball and stem conforming to Federal Specification WLV-35.
 - C. Angle, Check, and Globe Valves: Angle, check and globe valves shall be one piece carbon steel body full port with chrome plated ball and stem conforming to Federal Specification WLV-35.
 - D. Combination Temperature-Pressure Relief Valve: Valve shall conform to specification ANSI Z112 and shall be ASTM rated.

2.04 MISCELLANEOUS PIPING MATERIALS:

- A. Pipe Hangers: Hangers shall be a standard commercial product, type as required for each particular application, conforming to Federal Specification WUH-111.
- B. Escalation Plates: Floor and ceiling escalation plates shall be split hinged, locking type. Plates shall be of pressed steel or copper with heavy coating of chromium.
- C. Solder: Solder for joints in copper piping shall be 95-5 antimony-5 tin, or other non-lead solder if approved by the Owner's representative.

2.05 WATER VALVES, ASSEMBLIES: Water hammer arresters shall be manufactured instead of air fabricated air chambers, and shall be constructed, sized, and installed in accordance with Standard FDI 141-201.

2.06 PLUMBING FIXTURES: Plumbing fixtures shall be as described on the drawings.

2.07 INSULATION:

- A. Hot Water Piping: Insulate all hot water pipe with 1-inch thick extruded polystyrene foam glass with foil, urea seal-sealing tape, and preformed plastic fitting covers installed in place.
- B. Condensate Drains: Insulate all condensate drains with 3/4-inch thick formed plastic insulation.

PART 3 - EXECUTION

3.01 INSTALLATION OF PIPE AND ACCESSORIES:

- A. General: Before being placed in position, pipe and fittings shall be examined carefully. All pipe shall be maintained in a clean condition.
- B. Copper Pipe: Shall be protected from contact with masonry or dissimilar metal. Dielectric fittings, to prevent electrolytic corrosion, shall be installed where copper pipe is connected to other pipe materials. Dielectric fittings shall be used where piping passes through masonry or concrete.
- C. Soil, Waste and Vent Lines:
 - 1. Soil, waste and vent lines shall be of the sizes shown on the drawings. All pipe shall be installed in accordance with finished roof. Vent flashing shall be one piece construction of four pound sheet, lead turned down into structure to effect a weather-tight seal. Flashing may be single piece or two-piece construction. Flashing shall be approved by the Owner's representative.
 - 2. Cleanout plugs indicated on the drawings shall be installed in accessible locations. All exposed locations shall be coordinated with Architect prior to installation. Cleanouts shall be installed in walls or floors to allow access to cleanouts. Cleanout plugs shall be brass with recessed type wrench flats and at intervals required by the Code, wherever shown on the drawing or not.
- D. Valves: Valves shall be accessible for operation and servicing. Valves concealed underground or by construction shall be accessible through an access panel. All valves shall be properly supported and installed as required by Listing Authority.

3.02 INSTALLATION OF PLUMBING FIXTURES: All fixtures shall be set firm and true, connected to all required piping services, ready for use. All fixtures shall be thoroughly cleaned and all paper and dirt removed therefrom.

All fixtures shall be finished and installed complete, together with all necessary supply and waste fittings, carriers, hangers, bolts, anchors and brackets as recommended by the manufacturer. All fixtures shall be properly connected to waste and water pipes in a permanent manner without damage to any adjoining work or finish. Connections shall be made in accordance with the manufacturer's instructions. All soil pipe shall be made gas and watertight with a one-piece special molded plastic gasket. All bulk material, including putty and plastic, shall not be used for gaskets. Floor drains shall be installed in accordance with the manufacturer's instructions. All brass work and specialty piping shall be done unless otherwise specified. Provide shut-off valves for all water supplies.

3.03 TESTS:

- A. Water Piping: Water piping shall be subjected to a hydrostatic pressure test of 100 pounds per square inch for a minimum of one hour. Tests shall be no less in pressure than the test.
- B. Sanitary Drainage Piping: Before the insulation is installed, sanitary drainage piping shall be tested and all lines filled with water to the roof and allowed to stand for at least 30 minutes without leakage. Test lines having cast iron tees are made in sections or by floors.

3.04 DISINFECTION: All potable water piping shall be disinfected by a mixture containing no less than 26 pound of high-test calcium hypochlorite, or an equivalent amount of chlorinated lime (about two pounds) to each 1000 gallons of water, which provides no less than 50 mg/l of available chlorine. The disinfectant shall be added to the system and retained for not less than 2 hours. The system shall then be drained, flushed with potable water, and placed in service.

END OF SECTION

1.01 SCOPE: The work under this section of the specifications consists of furnishing all materials and equipment, labor and appurtenances, and performing all operations in connection with the construction and installation of the plumbing system as shown on the drawings and as specified.

PART 2 - PRODUCTS

2.01 WASTE AND VENT PIPE AND FITTINGS:

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- C. Cast Iron Pipe:
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 - 2. Bell and Spigot Cast Iron Soil Pipe: Pipe shall be service weight, conforming to ASTM A-114 with single piece positive seal, elastomeric gaskets conforming to ASTM C-964.
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2.02 WATER PIPE AND FITTINGS: Pipe and fittings shall be copper "L" fittings conforming to ANSI B16.22 or B16.18.

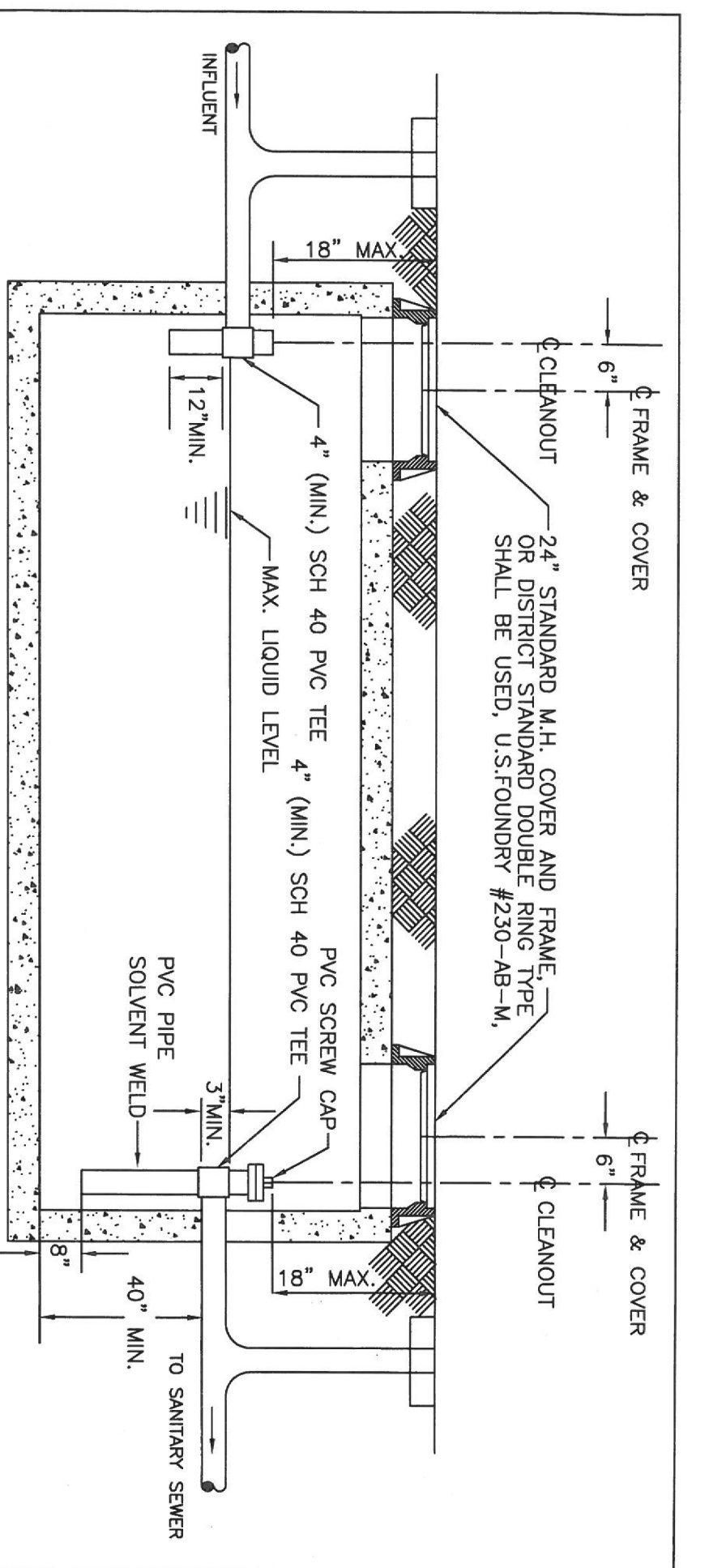
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 - B. Ball Valves: Valves shall be one piece carbon steel body full port with chrome plated ball and stem conforming to Federal Specification WLV-35.
 - C. Angle, Check, and Globe Valves: Angle, check and globe valves shall be one piece carbon steel body full port with chrome plated ball and stem conforming to Federal Specification WLV-35.
 - D. Combination Temperature-Pressure Relief Valve: Valve shall conform to specification ANSI Z112 and shall be ASTM rated.

2.04 MISCELLANEOUS PIPING MATERIALS:

- A. Pipe Hangers: Hangers shall be a standard commercial product, type as required for each particular application, conforming to Federal Specification WUH-111.
- B. Escalation Plates: Floor and ceiling escalation plates shall be split hinged, locking type. Plates shall be of pressed steel or copper with heavy coating of chromium.
- C. Solder: Solder for joints in copper piping shall be 95-5 antimony-5 tin, or other non-lead solder if approved by the Owner's representative.

2.05 WATER VALVES, ASSEMBLIES: Water hammer arresters shall be manufactured instead of air fabricated air chambers, and shall be constructed, sized, and installed in accordance with Standard FDI 141-201.

2.06 PLUMBING FIXTURES: Plumbing fixtures shall be as described on the drawings.

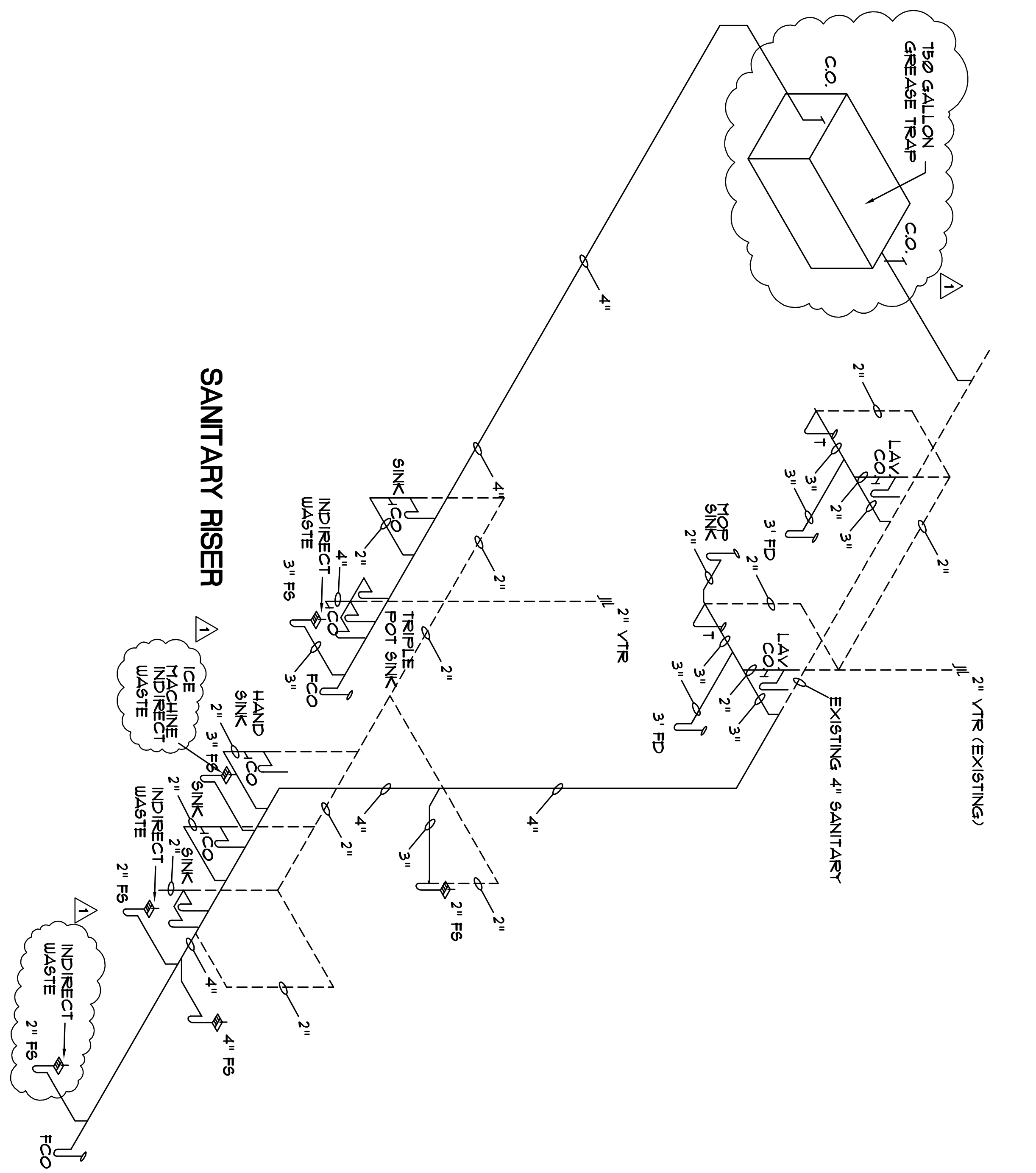
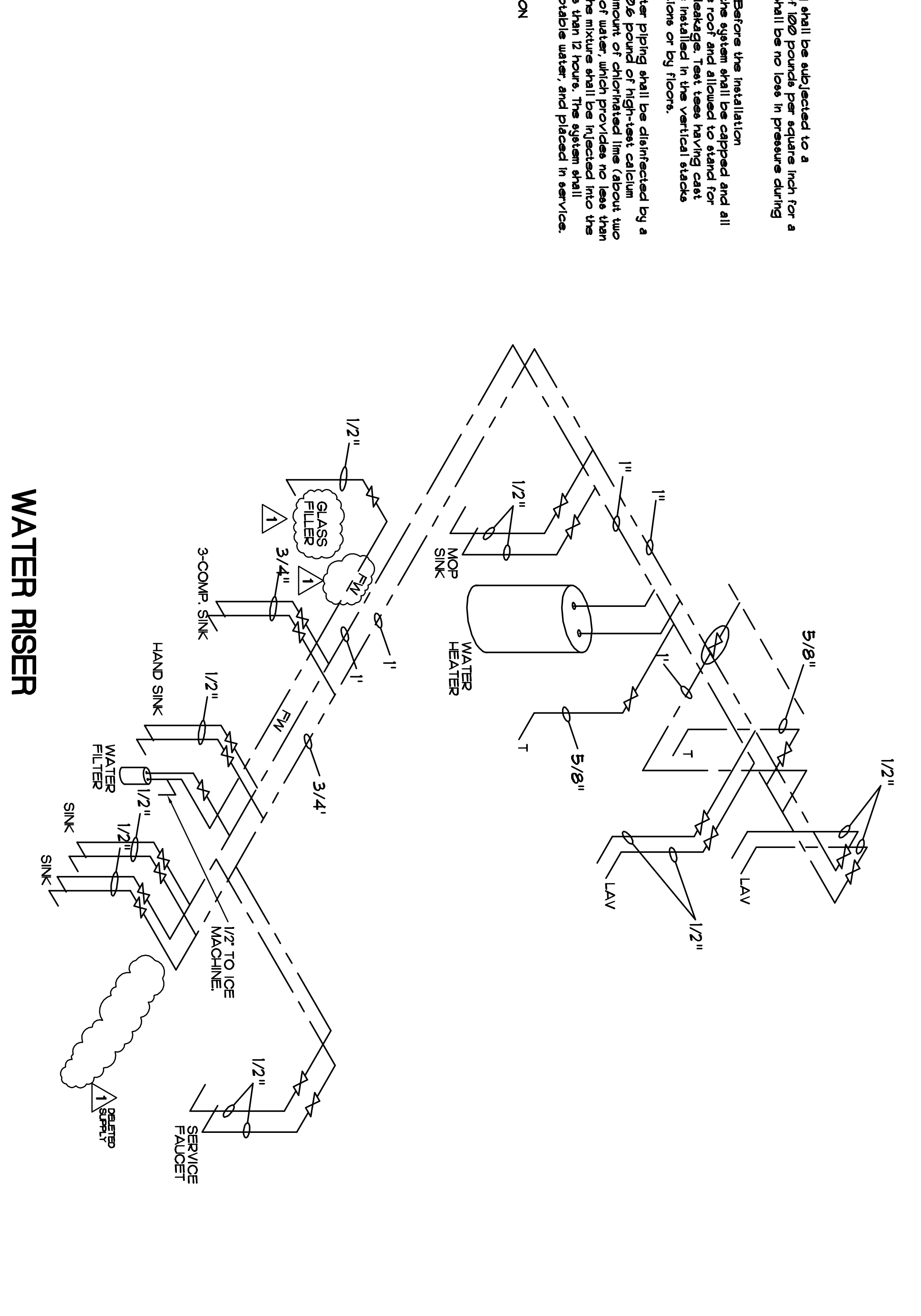


NOTES

1. EFFECTIVE SIZE OF INTERCEPTOR 750 GALS MIN & 1,250 MAX.
2. TANK TO BE DESIGNED TO RESIST FLOTATION WHEN EMPTY.
3. TWO-WAY CLEANOUTS WILL BE INSTALLED IMMEDIATELY UPSTREAM AND DOWNSTREAM OF ALL GREASE INTERCEPTORS. IF INSTALLED IN PAVED AREAS, A PROTECTIVE STANDARD CLEANOUT COVER WILL BE PROVIDED.
4. TANK(S) SIZING SHALL FOLLOW 2007 FL BDC CODE TABLE 1003.5.1.
5. ALL MATERIALS SHALL BE NEW AND CODE APPROVED.
6. ALL MANHOLE COVERS USED SHALL BE MARKED WITH "GREASE TRAP" LETTERING.
7. TANKS TO BE IN SERIES WHERE MULTIPLE UNITS ARE REQUIRED.

LOXAHATCHEE RIVER DISTRICT
GREASE INTERCEPTOR DETAIL

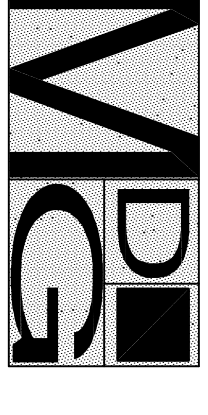
DATE	9/8/2	SD
REVISION	12/1/10	5
N.T.S.		



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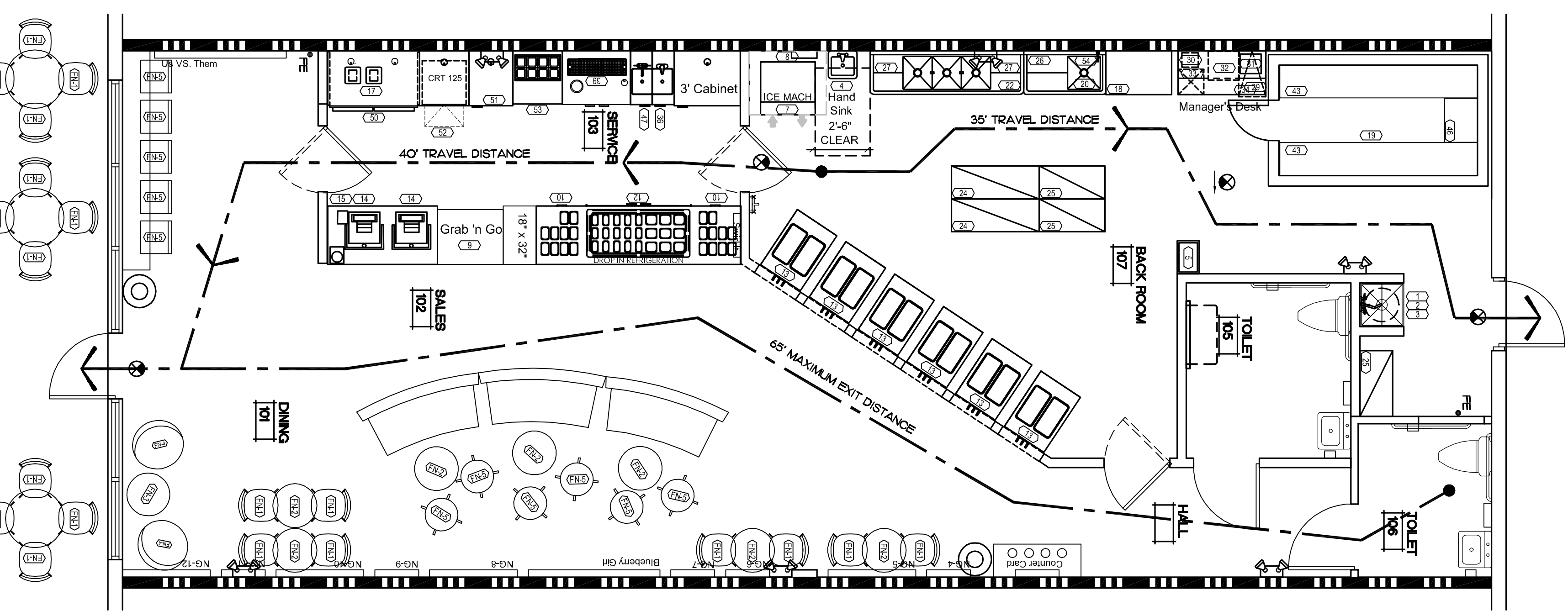
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Revisions:
A/14/11
Content:
Riser Diagrams
DWG:
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Michael Morel
Principal
AR0013132



1 LIFE SAFETY PLAN
SCALE: 1/4"=1'-0"

APPLICABLE CODES	FLORIDA BUILDING CODE 2007 ED., 2009 AMENDMENTS NFPA-70, 2005 ED., NFPA-72, 2002 ED., NFPA-101, 2003 ED., FLORIDA FIRE PREVENTION CODE
AGENCY HAVING JURISDICTION	TOWN OF PALM BEACH PALM BEACH COUNTY FIRE RESCUE
OCCUPANCY LOADS (IBC, TABLE 1004.12)	MERCANTILE GROUP M 30 SF/OCCUPANT
EXIT ACCESS TRAVEL DISTANCE (IBC, TABLE 1016.1)	SUB-OCCUPANCY W/O SPRINKLER SYS. W/ SPRINKLER SYS MERCANTILE GROUP M 150 250
CODE ANALYSIS	TYPE III B CONSTRUCTION SECTION 303 LEVEL 2 ALTERATION, IBC EXISTING BUILDING CODE, SECTION 304 SPRINKLERED, ONE FLOOR OCCUPANCY TYPE MERCANTILE GROUP M SQUARE FOOTAGES GROUP M 616 SF KITCHEN (FOOD PREP) 600 SF TOTAL SQUARE FEET 1476
TOTAL NUMBER OF OCCUPANTS	MERCANTILE 616/30 KITCHEN 600/100 TOTAL OCCUPANTS 29 95
EGRESS WIDTH PER OCCUPANT, 2	REQUIRED 7 INCHES PROVIDED 68 INCHES
MINIMUM NUMBER OF EXITS (SECTION 1016)	TABLE 1016.2, MERCANTILE OCCUPANCY CAN HAVE ONE EXIT WITH MAXIMUM 49 OCCUPANTS AND 75 FEET TRAVEL DISTANCE PROVIDED 2
REQUIRED SEPARATION OF OCCUPANCIES	TENANT SEPARATION- 1 HR.
REQUIRED PLUMBING FIXTURES (IBC PLUMBING TABLE 403.1)	MERCANTILE SEPARATE FACILITIES FOR FOOD SERVICE FACILITIES WHICH SEAT MORE THAN 10 PERSONS.
PLAN LEGEND	FE 5 L.B. ABC FIRE EXTINGUISHER WITH BRACKET. EXIT SIGN W/ BATTERY BACKUP. EMERGENCY LIGHT W/ BATTERY BACKUP. EXIT ACCESS TRAVEL PATH/DISTANCE 1-1/2" FIRE RATED WALL (EXISTING) ROOM GROSS SQ. FT. ROOM NET SQ. FT. ROOM NET SQ. FT. PER OCCUPANTS BY CODE

Red Mango
Abacoa Plaza
5430 North Military Trail, Suite 60
Jupiter, Florida

Revisions:
Content:
Life Safety Plan

Dwg:
Date: 12/28/10
Proj. No. 109
Sheet No. LS2.1