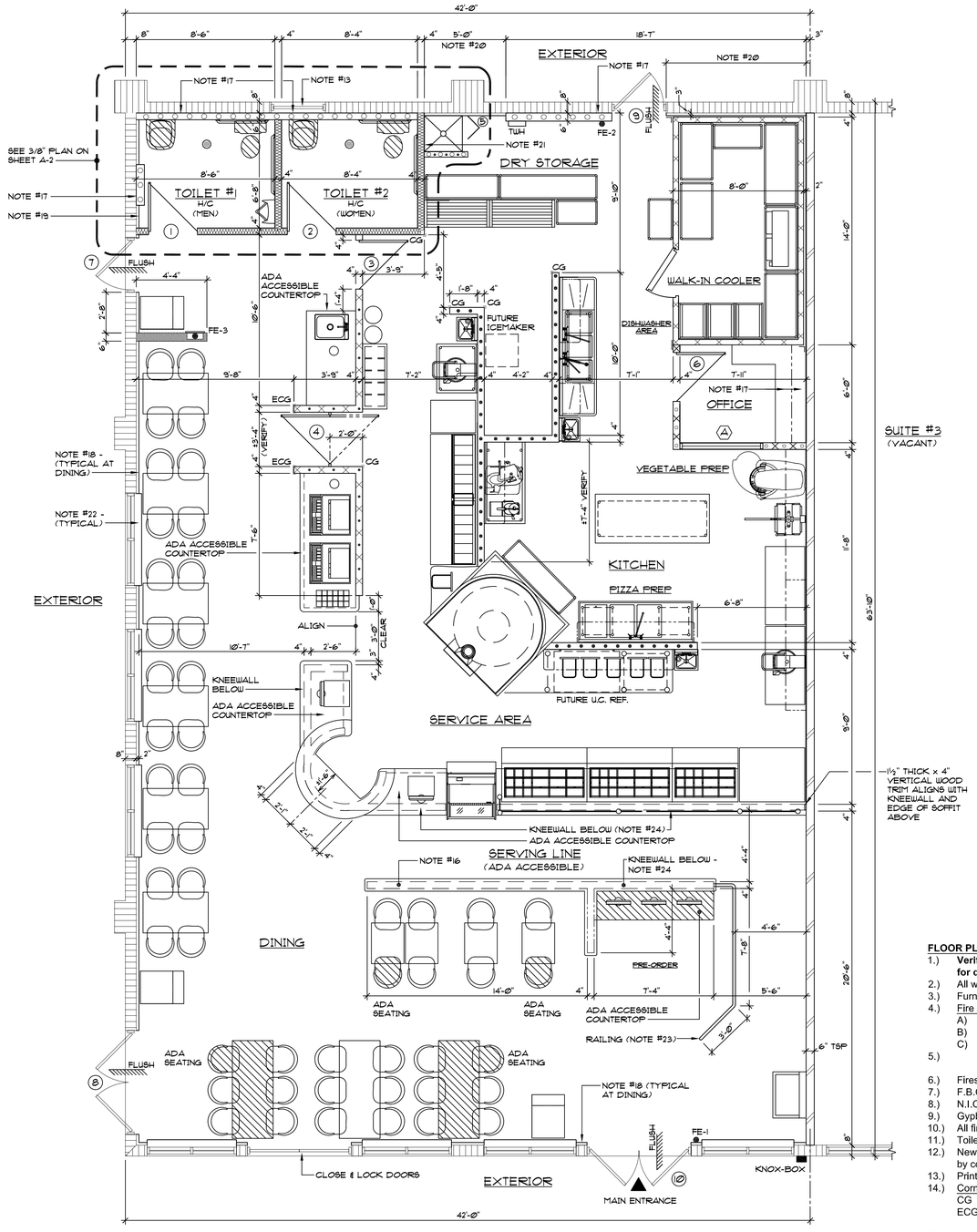
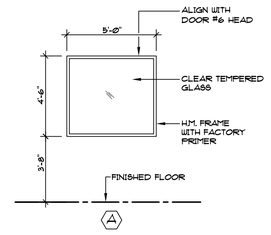


FLOOR PLAN

1/4" = 1'-0"



INTERIOR WINDOW ELEVATION

1/4" = 1'-0"

NOTES:

1.) Finish hollow metal per Door Schedule Note #1.

DOOR SCHEDULE

MK	SIZE T x W x H	DOOR PANEL MATERIAL	DOOR PANEL FINISH	FRAME MATERIAL	FRAME FINISH	HDWR. GROUP	FIRE RATING	GLASS	REMARKS
1	1 3/4" x 3'-0" x 8'-0"	S.C. FL. UD.	PL. LAM.	H.M.	PAINT	1	—	—	
2	1 3/4" x 3'-0" x 8'-0"	S.C. FL. UD.	PL. LAM.	H.M.	PAINT	1	—	—	
3	3'-0" x 7'-0"	ALUM. ALLOY	PL. LAM.	H.M.	PAINT	BY MANUF.	—	PLASTIC	NOTE #17
4	3'-0" x 7'-0"	ALUM. ALLOY	PL. LAM.	H.M.	PAINT	BY MANUF.	—	PLASTIC	NOTE #17
5	1 3/4" x 3'-0" x 8'-0"	S.C. FL. UD.	PAINT	BY MANUF.	—	BY MANUF.	—	—	BI-FOLD
6	1 3/8" x 2'-0" x 8'-0"	S.C. FL. UD.	PL. LAM.	H.M.	PAINT	6	—	PLASTIC	
7	EXIST. 3'-0" x 8'-0"	ALUM/GLASS	ESP	ALUM.	ESP	7	—	EXISTING	STOREFRONT, NOTE #14
8	EXIST. PR. 3'-0" x 8'-0"	ALUM/GLASS	ESP	ALUM.	ESP	7	—	EXISTING	STOREFRONT, NOTE #14
9	EXIST. 3'-0" x 8'-0"	ALUM/GLASS	ESP	ALUM.	ESP	EXISTING	—	EXISTING	
10	EXIST. 3'-0" x 8'-0"	ALUM/GLASS	ESP	ALUM.	ESP	EXISTING	—	EXISTING	STOREFRONT, NOTE #5

HARDWARE GROUPS:

Group No. 1
2 pair butts
1 swing door operator (Note #16)
1 thumbturn latch with "occupied/un-occupied sign"
1 - 6" high clear plastic kickplate
3 silencers at jamb
1 S/S push plate
1 S/S pull plate
1 wall stop

Group No. 6
1 ½ pair butts
1 entrance lockset (free inside)
1 closer
3 silencers at jamb
1 - 6" high clear plastic kickplate
1 wall stop

Group No. 7
Existing storefront
New panic hardware

DOOR SCHEDULE NOTES:

1.) Finish interior hollow metal with 2 coats S/W Industrial Enamel B54 on touched up metal primer (verify sheen with tenant).
2.) New butts shall be 4 ½" X 4 ½", Butts shall not be painted. 1279 interior without closer and BB1279 interior with closer.
3.) Wall stops shall be Hagar 236 (630 finish). Floor stops shall be Hager 243 (626 finish).
4.) Silencers shall Hager 307D at hollow metal frames.
5.) Interior door closers shall be LCN 1461 with FC option or Sargent 1431 Series.
6.) Push and pull plates shall be Hager 4" X 16". Pulls shall be Hager 4" X 16" Trimco, Ives & Rockwood are approved equals.
7.) All hardware shall be A.D.A. approved, conform to Chapter 553, Part 5 of Florida Statutes and NFPA 101 approved.
8.) Hollow metal frames shall be 16 gage, paintable galvanized steel, knock down units. Frames shall be Fleming "I" series or approved equal. Finish shall be factory primer.
9.) Interior doors shall be Maiman "LFDL" low pressure decorative laminate thermally fused flush wood doors. Door and edge finish shall be wood grain pattern.
10.) Keying shall be 6 Master keys for all Master or Grandmaster groups and 2 change keys per lock with a maximum of 4 keys for keyed alike sets.
11.) Submit door, frame, hardware and paint shop drawings to architect prior to construction.
12.) Equal substitution will be considered. Submit proposed substitutions to architect prior to bid.
13.) **Verify hardware finish with owner prior to bid and construction.**
14.) **Panic hardware not required per 2012 NFPA 101 12.2.2.2.3 and 12.2.2.2.4 for less than 100 occupants. Panic hardware required per 2014 FBC-B 1008.1.10 for occupant load of 50 or more. Post signs on Doors #7 & 8 stating: "Doors shall remain unlocked during business hours" as directed by Fire Department.**
15.) **Panic hardware not required at main entrance per 2014 FBC-B 1008.1.10 "Exception in compliance with 1008.1.9.3 (Item #2).**
16.) Stanley "Magic Force" full energy, semi-recessed unit with swing-guard sensor, SU-100 Activation and two HC/PTO square press switches. Furnish and install all material and labor for a complete installation. Unit shall be ADA compliant. Submit shop drawings to architect for review.
17.) Doors #3 & 4 shall be Ellason SP-8 with 9" X 14" plastic window, two 18" high S/S kickplates, hinge system and plastic laminate finish (color selected by owner).

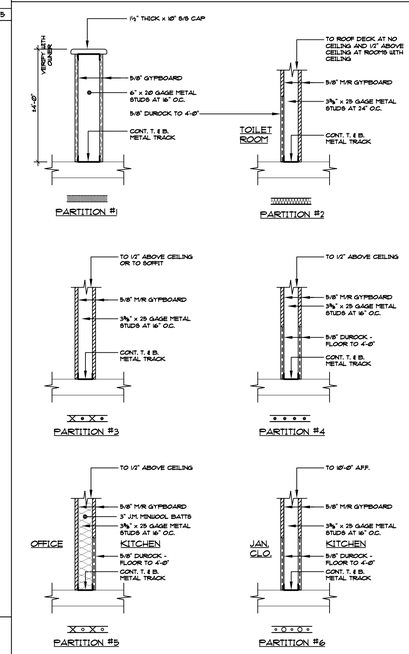
INDEX TO DRAWINGS

FLOOR PLAN NOTES:

1.) **Verify all dimensions/conditions in field and coordinate with equipment supplier for dimensions prior to construction.**
2.) All work shall conform to applicable national, state, and local codes.
3.) Furnish and install all material, fasteners, etc. and labor for a complete installation of all work.
4.) Fire Extinguisher Schedule:
A) FE-1: Larsen MP-5 (2A10BC) with #1521 wall bracket.
B) FE-2: Larsen MP-10 (4A80BC) with #5525 wall bracket (kitchen).
C) FE-3: Larsen MP-5 (2A10BC) with 2409-5R cabinet (semi-recessed).
5.) Furnish and install solid wood blocking for shelves, plumbing fixtures, accessories, cabinets, moldings, trim, equipment, cabinets and shelving.
6.) Firestop all partitions at ceiling with continuous metal track.
7.) F.B.O. denotes "items furnished by owner and installed by contractor".
8.) N.I.C. denotes "items not in contract".
9.) Gypboard shall be finished to Level 4.
10.) All firestops shall be U.L. or G.A. approved
11.) Toilet Room finishes shall comply with 2014 FBC 1210.1 and 1210.2 for surrounding material.
12.) New Knox-box shall be Knox Company #3200 TS - Furnished and Installed by contractor. Mounting height shall have box key at maximum 52" above walkway.
13.) Print inside of glass flat black.
14.) Corner Guards:
CG - 90° corner guard - 4" x 4" x 18 gage s/s x 96" long (Bottom at top of base).
ECG - End wall corner guard - 18 gage s/s x 96" long (Bottom at top of base). Unit shall fit over partition with wall finish.
15.) Countertops at Pre-Order Area, Serving Line and Service Area (to Dining Area) shall be ADA accessible at maximum 34" A.F.F. and NSF approved.
16.) 1 ½" thick X 8" wide stainless steel countertop on kneewall. Top of kneewall = 4'-0" A.F.F.
17.) Furnish and install R=4.2 rigid insulation at inside of CMU walls from floor to underside of roof deck behind chase partition.
18.) ⅝" gypboard on ¾" metal furring at 24" o.c., with R = 4.2 insulation, from floor to underside of roof deck at all exterior walls of Dining Area.
19.) ⅝" M/R gypboard on ¾" metal furring from floor to ½" above ceiling, with R=4.2 insulation from floor to underside of roof deck at Toilet Room.
20.) ⅝" Dur-Rock from floor to 4'-0" A.F.F. with ⅝" M/R gypboard above to ½" above ceiling at Kitchen and 10'-0" A.F.F. at Janitor Closet with R=4.2 insulation from floor to underside of roof deck.
21.) ⅝" Dur-Rock from floor to 4'-0" with ⅝" M/R gypboard above to 10'-0" A.F.F.
22.) Furnish and install solid surface window sills. Material shall me minimum ½" thick with 1 ½" dropped front/routed edge. Material allowance = $10.00/lineal foot.
23.) 36" high aluminum railing with anodized finish. Allowance = $100.00/lineal foot for material and installation. Design by owner.
24.) Kneewall construction: 1 layer ⅝" M/R gypboard each side 3⅝" X 25 gage metal studs at 16" o.c. to height required or noted.
25.) ADA seating exceeds 5% of total seats per 2014 FBC-A Section 226.

LEGEND

EXISTING EXTERIOR CMU OR CONCRETE WALL
NEW DOOR
EXISTING DOOR
HANDICAPPED PLUMBING FIXTURE
FE FIRE EXTINGUISHER
NEW TWO HOUR TENANT SEPARATION PARTITION - SEE SECTION A/A5



PARTITION ELEVATIONS

NO SCALE

PROJECT DATA AT THIS TENANT:

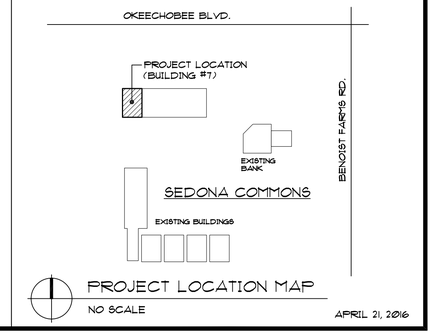
CONSTRUCTION TYPE:	TYPE 5B, UNPROTECTED, UNSPRINKLED.
FLOOR AREA	= 2,680 S.F.
OCCUPANT LOAD = 80	7 - 1,364 S.F. KITCHEN (1/200 S.F.) 73 - 1,100 S.F. UNCONCENTRATED ASSEMBLY (1/15 S.F.)
OCCUPANCY	= ASSEMBLY (A-2)
EXITS	= TWO REQUIRED PER TABLE 1015.1
FIRE RATED CORRIDORS	= N/A PER TABLE 1018.1
MAXIMUM DEAD END	= 20 FEET PER 1018.4
MAXIMUM TRAVEL	= 200 FEET PER TABLE 1016.2
MAXIMUM COMMON TRAVEL	= 75 FEET PER 1014.3

CODE REFERENCES:

2014	Florida Building Code
2014	Florida Building Code - Existing Building
2014	Florida Building Code - Plumbing
2014	Florida Building Code - Mechanical
2014	Florida Building Code - Energy
2014	Florida Building Code - Accessibility
2012	NFPA 101
2011	NEC (NFPA 72)
2012	Florida Fire Prevention Code
2014	**FLORIDA BUILDING CODE - LEVEL 3 ALTERATIONS**

SEATING CAPACITY = 50

PUBLIC WATER & SEWER AT THIS PROJECT



PROJECT LOCATION MAP

NO SCALE

APRIL 21, 2016

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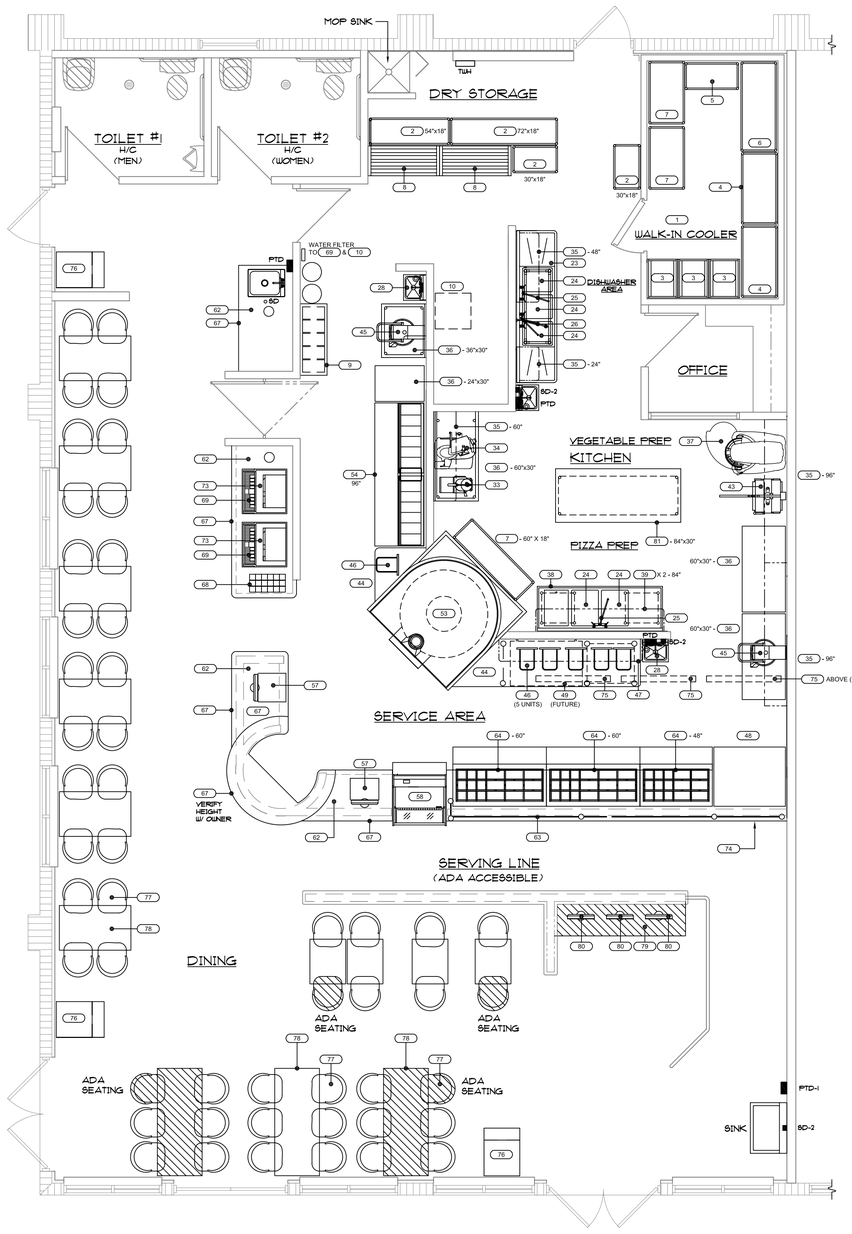
INTERIOR IMPROVEMENTS

FIRED UP PIZZA

8170 OKEECHOBEE BLVD. - SUITES 1 & 2
SEDONA COMMONS - BUILDING #7
WEST PALM BEACH, FLORIDA

DRAWN	GWT
CHECKED	KUOPPALA
DATE	APRIL 21, 2016
SCALE	AS NOTED
COMM. NO.	16-07
SHEET	A-1
OF	5 SHEETS



EQUIPMENT PLAN

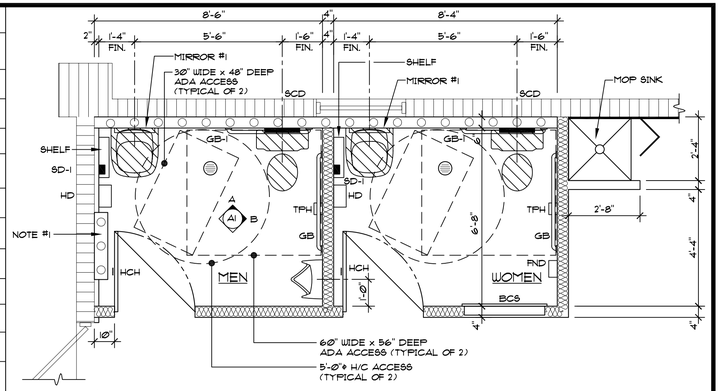
1/4" = 1'-0"

KITCHEN EQUIPMENT SCHEDULE

ITEM	DESCRIPTION	PLUMBING CW	PLUMBING HW	PLUMBING W	PLUMBING V	PLUMBING IW	GAS PIPE	GAS MBTU	ELECTRICAL VOLTS	ELECTRICAL HP	ELECTRICAL KW	ELECTRICAL A	REMARKS
1	WALK IN COOLER								208/1 110			9 4	COMPRESSOR EVAPORATOR
2	WIRE SHELVING												AT DRY STORAGE, SIZES AS SHOWN
3	MOBILE PAN RACK												AT W/I COOLER
4	WIRE SHELVING												AT WALK -IN COOLER, SIZES BY OTHERS
5	WIRE SHELVING												AT WALK-IN COOLER, SIZES BY OTHERS
6	WIRE SHELVING												AT WALK-IN COOLER, SIZES BY OTHERS
7	WIRE SHELVING												AT WALK-IN COOLER, SIZES BY OTHERS
8	DUNNAGE RACK												
9	BAG-IN-BOX/SODA								110		20		
10	FUTURE ICE MAKER WITH FILTER	¾"				½"			110 208/1		12 12		FILTERED WATER REMOTE COMPRESSOR ON ROOF
23	S/S 3 COMPARTMENT SINK	½"	½"	2"	2"								3 BOWLS AT 16" x 20" 2 DRAIN BOARDS AT 24"
24	#23 LEVER WASTE				2"								
25	3 COMPARTMENT SINK FAUCET	½"	½"										
26	SINK RINSE FAUCET	½"	½"										
28	HAND SINK WITH FAUCET	½"	½"	2"	2"								WALL HUNG
29	S/S TABLE WITH UNDER SHELF												DRAWER - 108" x 30"
33	FOOD PROCESSOR								120	1		10	TABLE TOP
34	MEAT SLICER								120	½		5	TABLETOP
35	WALL MOUNT S/S SHELVES												SIZES PER PLAN
36	S/S TABLE												SIZES PER PLAN
37	FLOOR MIXER								208/3	2.7		10	
38	S/S TABLE WITH SINK	½"	½"	2"	2"								
39	WALL MOUNT S/S SHELVES												2 SHELVES
43	DOUGH DIVIDER ROUNDER								208/3	½		8	FLOOR MOUNT
44	S/S TABLE WITH POT RACK												
45	PIZZA DOUGH PRESS								120			13	TABLETOP
46	PIZZA PAN RACK												
48	S/S TABLE												48" LONG
49	U.C. REFRIGERATOR								120			5	48" LONG (FUTURE)
53	OVEN								208/1 110			15 5	POWER PER PLANS
54	REFRIGERATED PIZZA PREP TABLE								120	½		12	83" LONG
56	SERVICE COUNTER												
57	P.O.S. SYSTEM AT SERVICE COUNTER								120			2	ISOLATED GROUND
58	SELF SERVE CASE								120			15	SELF CONTAINED - 39" LONG
62	BASE CABINETS - MILLWORK												NOTE #3
63	SNEEZE GUARD												
64	COLD FOOD WELL								120	½		9	SELF CONTAINED - VERIFY SIZES WITH OWNER
67	S/S COUNTERTOP ON MILLWORK (62)												NOTE #3
68	CONDIMENTS												
69	SODA DISPENSER								120			2	
73	ICE CUBER WITH FILTER	¾"				½"			120 208/1			2 12	FILTERED WATER REMOTE CONDENSER ON ROOF
74	S/S COUNTERTOP KNEEWALL												
75	MENU BOARD								120			6	
76	WASTE RECEPTACLE												
77	CHAIRS												
78	TABLES & BASES												
79	S/S SERVICE COUNTER												PRE-ORDER AREA
80	P.O.S. SYSTEM AT PRE-ORDER AREA								120			2	ISOLATED GROUND
81	S/S TABLE W/POT RACK												DRAWER - 84" x 36"

EQUIPMENT SCHEDULE NOTES:

1.) Equipment shall be furnished by tenant and drop-shipped to job site. Tenant's supplier's shall uncrate and install equipment. Contractor shall make all final connections to equipment.
2.) Equipment numbers 11-22, 27, 30-32, 40-42, 47, 50-52, 55, 59-61, 65, 66 & 70-72 NOT USED.
3.) Coordinate design with owner prior to bidding.

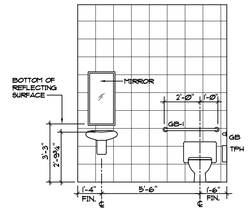


TOILET #1 & 2 PLAN

3/8" = 1'-0"

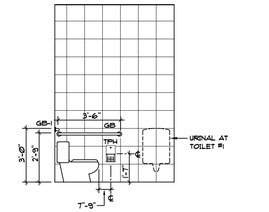
NOTES:

1.) Chase partition around existing electrical splice box & conduits.



A/A1 TOILET #1 & 2 - NORTH WALL

1/4" = 1'-0"



B/A1 TOILET #1 & 2 - EAST WALL

1/4" = 1'-0"

ACCESSORY SCHEDULE

MARK	DESCRIPTION	NOTES
GB	1 ½" ø x 42" S/S UNIT - B6806	TOP @ 33" A.F.F.
GB-1	1 ½" ø x 36" S/S UNIT - B6806	TOP @ 33" - 36" A.F.F.
FND	BOBRICK B270	TOP @ 44" A.F.F. FOR H/C
PTD	BOBRICK B262	TOP @ 68" A.F.F.
PTD-1	BOBRICK B262	BOTTOM @ 40" A.F.F MAXIMUM FOR H/C
SD	BOBRICK B8226 W/ 6" SPOUT	COUNTERTOP MOUNT
SD-1	BOBRICK B2112	BOTTOM AT 44" A.F.F. MAXIMUM FOR H/C
SD-2	BOBRICK B2112	BOTTOM AT 46" A.F.F. (AT KITCHEN & DINING)
TPH	BOBRICK B2882	DOUBLE ROLL - HEIGHT PER ELEVATIONS
HCH	BOBRICK B6827	MOUNT ON DOOR
MIRROR #1	BOBRICK B293 - 24" WIDE X 36" HIGH	BOTTOM OF REFLECTING SURFACE @ 39 ½" A.F.F. FOR H/C
SHELF	BOBRICK B295 X 18"	MOUNT BELOW SD-1
HD	GLOBAL GX1C - SATIN CHROME	1,500 WATTS @ 120 VOLT - ADA - RECESS KIT - CONTROL AT MAXIMUM 44" A.F.F.
BCT	BOBRICK/KOALA BEAR #KB110-SSRE	BOTTOM OF TABLE @ 35" A.F.F. (BABY CHANGING TABLE) RECESSED

TOILET ACCESSORY SCHEDULE NOTES:

1.) Equal substitutions are permitted. Submit shop drawings to Architect prior to construction.
2.) Furnish and install solid wood blocking for toilet accessories.

ROOM FINISH SCHEDULE

ROOM TITLE	FLOOR	BASE	WALLS MAT.	WALLS FINISH	CEILING MAT.	CEILING FINISH	CEILING HEIGHT	REMARKS
DINING	CONCRETE (1)	6" VINYL (4)	GYPBOARD	PAINT (7)	JOIST/DECK	PAINT (12)	VARIES	
KITCHEN	TILE (2)	6" TILE (5)	GYPBOARD	FRP (8)	AC. TILE (10)	PLASTIC	9'-11"	WALL TILE PER NOTE #8 AT EAST PARTITION IN LIEU OF FRP
OFFICE	TILE (2)	6" TILE (5)	GYPBOARD	PAINT (7)	AC. TILE (10)	PLASTIC	9'-11"	
TOILET #1	TILE (3)	6" TILE (6)	GYPBOARD	TILE (9)	AC. TILE (11)	—	9'-11"	
TOILET #2	TILE (3)	6" TILE (6)	GYPBOARD	TILE (9)	AC. TILE (11)	—	9'-11"	
SERVING AREA	TILE (2)	6" TILE (5)	GYPBOARD	TILE (9)	AC. TILE (10)	PLASTIC	9'-11"	

ROOM FINISH SCHEDULE NOTES:

1.) Color integral in concrete (allowance = $15.00/yard above standard concrete). Seal cured slab (allowance = $4.00/S.F.).
2.) Quarry/ceramic/porcelain tile: Allowance = $10.00/s.f. for material and installation with epoxy grout and grout release sealer.
3.) Ceramic/porcelain tile: Allowance = $8.00/s.f. for material and installation with epoxy grout and grout release sealer.
4.) 6" high vinyl base with coved bottom (Roppe, Armstrong, or equal).
5.) 6" high quarry/ceramic/porcelain tile to match floor tile with coved bottom & top. Allowance = $7.00/lineal foot for material and installation.
6.) 6" high ceramic/porcelain tile to match floor tile with coved bottom and straight top. Allowance = $7.00/lineal foot for material and installation.
7.) Gypboard paint shall be 1 coat Pro-Mar 200 sealer undercoat and 2 coats low sheen finish Pro-Mar 200 on gypboard, by Sherwin Williams.
8.) NUDO FRP liner panels (0.090") with joint strips from top of base to ceiling. (Caulk bottom joint).
9.) Ceramic/porcelain tile on partitions: Allowance = $7.00/S.F. for material and installation.
10.) Acoustical tile shall be National Gypsum Hi-Strength Tile (2' X 2') with Armstrong 15/16" 'XL' Prelude grid (USDA accepted for food service areas).
11.) Acoustical tile ceiling shall be Armstrong Cortega #704 (2' X 2' X 5/8" angled tegular edge) with 15/16" 'XL' Prelude grid.
12.) Metal paint shall be 1 coat Kembond HS and 2 coats Waterborne Acrylic Dry Fall by Sherwin Williams. Sheen selected by owner.
13.) All painted wall shall have sprayed primer and sprayed/backrolled finish coats.
14.) Contractor shall prepare surfaces & install finish material per manufacturer's written instructions.
15.) Materials specified are performance specifications. Substitutions shall be approved by architect prior to bid.
16.) Furnish and install all material, accessories, and labor for a complete installation.
17.) Toilet Room finishes shall conform to 2014 FBC 1210.2 for surrounding materials.
18.) Finishes shall be Class 'B' at exits and exit accesses and Class 'C' at other spaces per 2014 FBC Table 803.9. Wall and ceiling finishes shall be Class 'A' or 'B' at exits and exit accesses, with Class 'C' at other spaces per 2012 NFPA 101 12.3.3. Floor finishes shall be Class I or II at exits and exit accesses per 2012 NFPA 101 12.3.3.5.
19.) All soffit and bulkheads shall be primed/painted up to roof deck.
20.) Furnish 2% extra stock of all materials for owner's use.
21.) **Furnish A.D.A. approved transition strips between all dis-similar flooring and elevation changes.**
22.) **NO CHINESE GYPBOARD PERMITTED.**
23.) **All exposed ducts, grilles, conduits, etc. at Dining Area/Serving Line shall be primed and painted.**

APRIL 21, 2016

REVISIONS	BY

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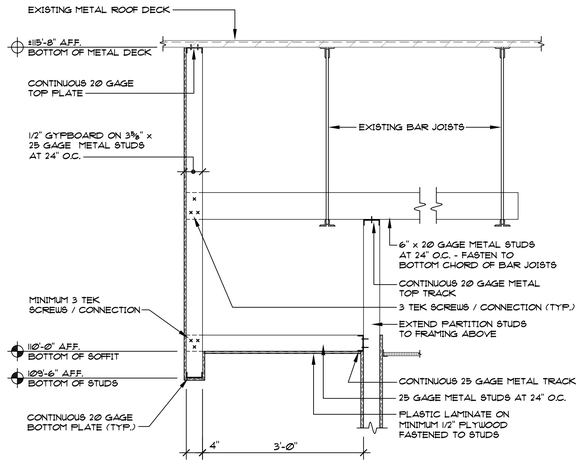
INTERIOR IMPROVEMENTS

FIRED UP PIZZA

8170 OKEECHOBEE BLVD. - SUITES 1 & 2
SEDONA COMMONS - BUILDING #7
WEST PALM BEACH, FLORIDA

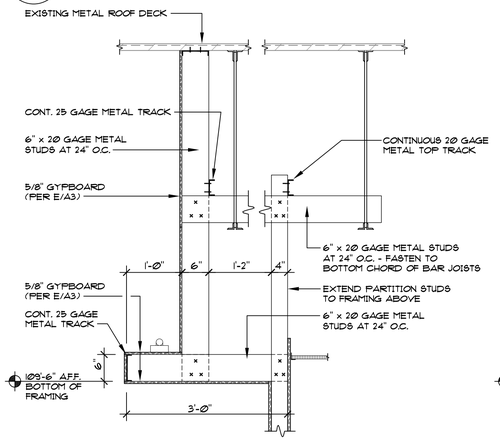
DRAWN	GWT
CHECKED	KUOPPALA
DATE	APRIL 21, 2016
SCALE	AS NOTED
COMM. NO.	16-07
SHEET	A-2
OF	5 SHEETS

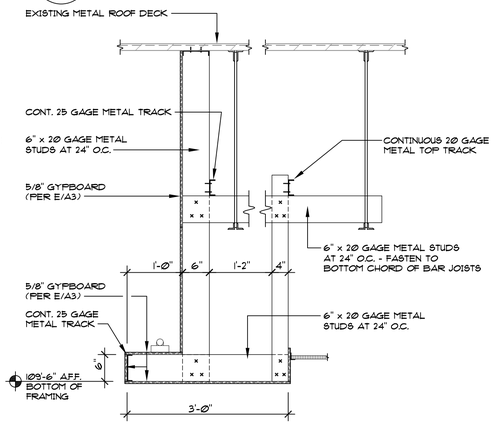


A/A3 NOT USED

B/A3 SECTION AT SOFFIT

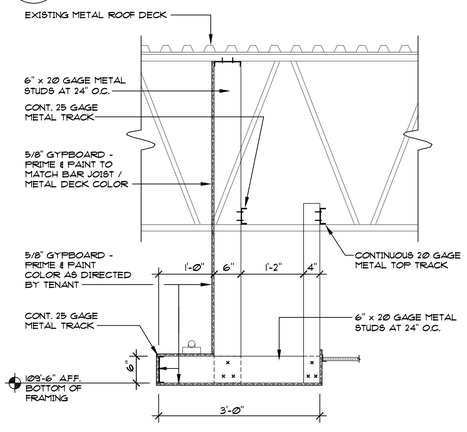
3/4"=1'-0"





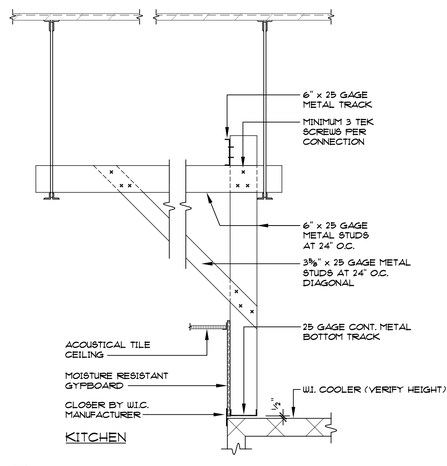
C/A3 SECTION AT SOFFIT

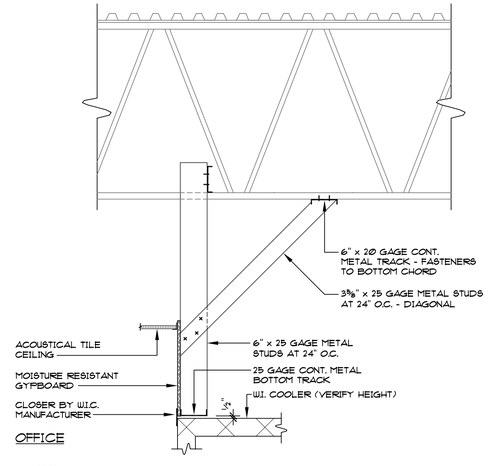
3/4"=1'-0"



D/A3 SECTION AT SOFFIT

3/4"=1'-0"





E/A3 SECTION AT SOFFIT

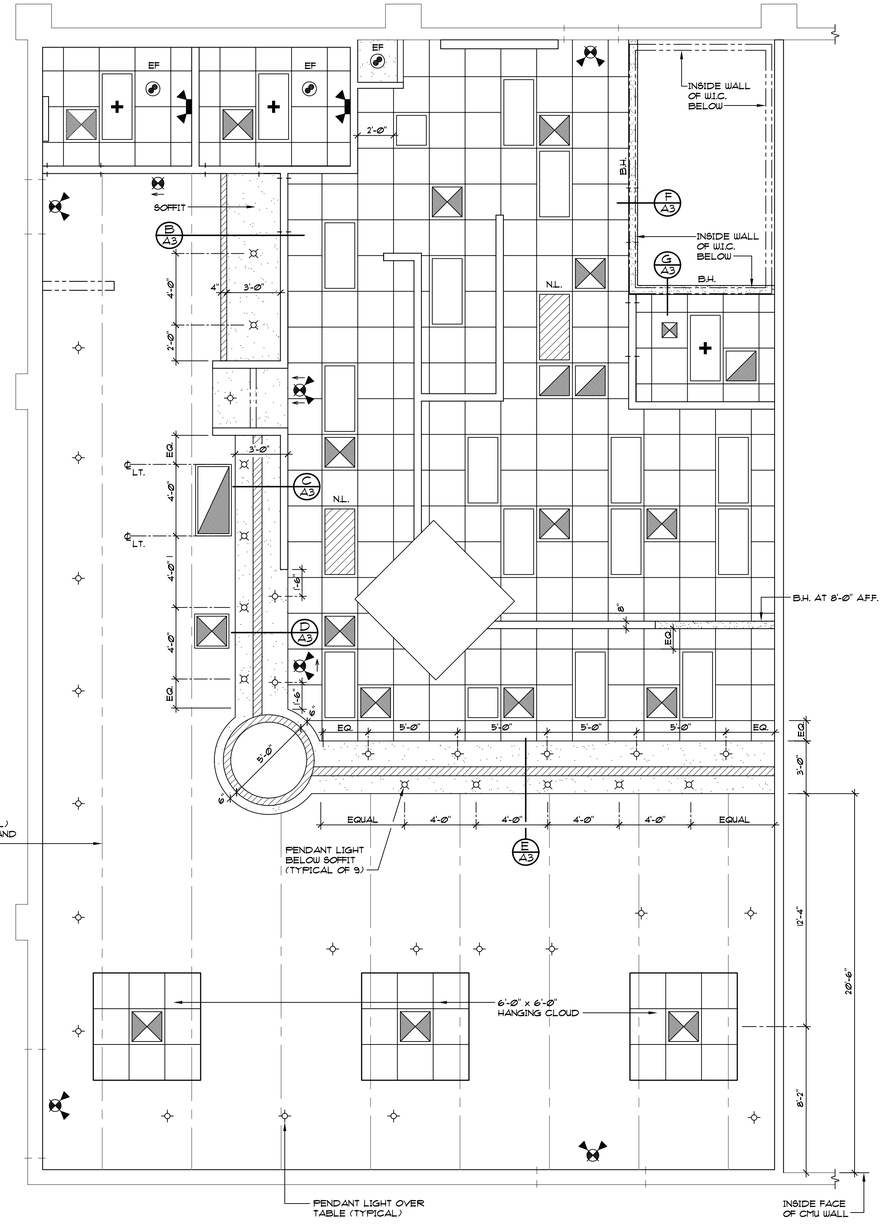
3/4"=1'-0"

F/A3 SECTION AT BULKHEAD

3/4"=1'-0"

G/A3 SECTION AT BULKHEAD

3/4"=1'-0"



REFLECTED CEILING PLAN

1/4" = 1'-0"

REFLECTED CEILING PLAN NOTES:

1.) No fire sprinklers at this project.
2.) + denotes center of room and starting location of grid.
3.) Areas above acoustical tile ceiling are not return air plenums.
4.) Metal roof deck has insulation and built-up roof above from shell construction.
5.) Clouds shall be 6' X 6' X 6" Armstrong Square units with Axiom Profile Trim, 15/16" Prelude XL grid and #704 Cortega Angled Tegular tiles with all accessories for a complete installation. Mounting height = 12'-0" A.F.F. Color selected by owner.

LEGEND

- LIGHT IN ACOUSTICAL TILE CEILING
- SURFACE MOUNTED LIGHT
- EXIT LIGHT
- DUAL HEAD EMERGENCY LIGHT
- EXIT/EMERGENCY LIGHT
- NIGHT LIGHT
- SUPPLY AIR GRILLE
- RETURN AIR GRILLE
- EXHAUST GRILLE
- RECESSED HI-HAT OR PENDANT LIGHT

APRIL 21, 2016

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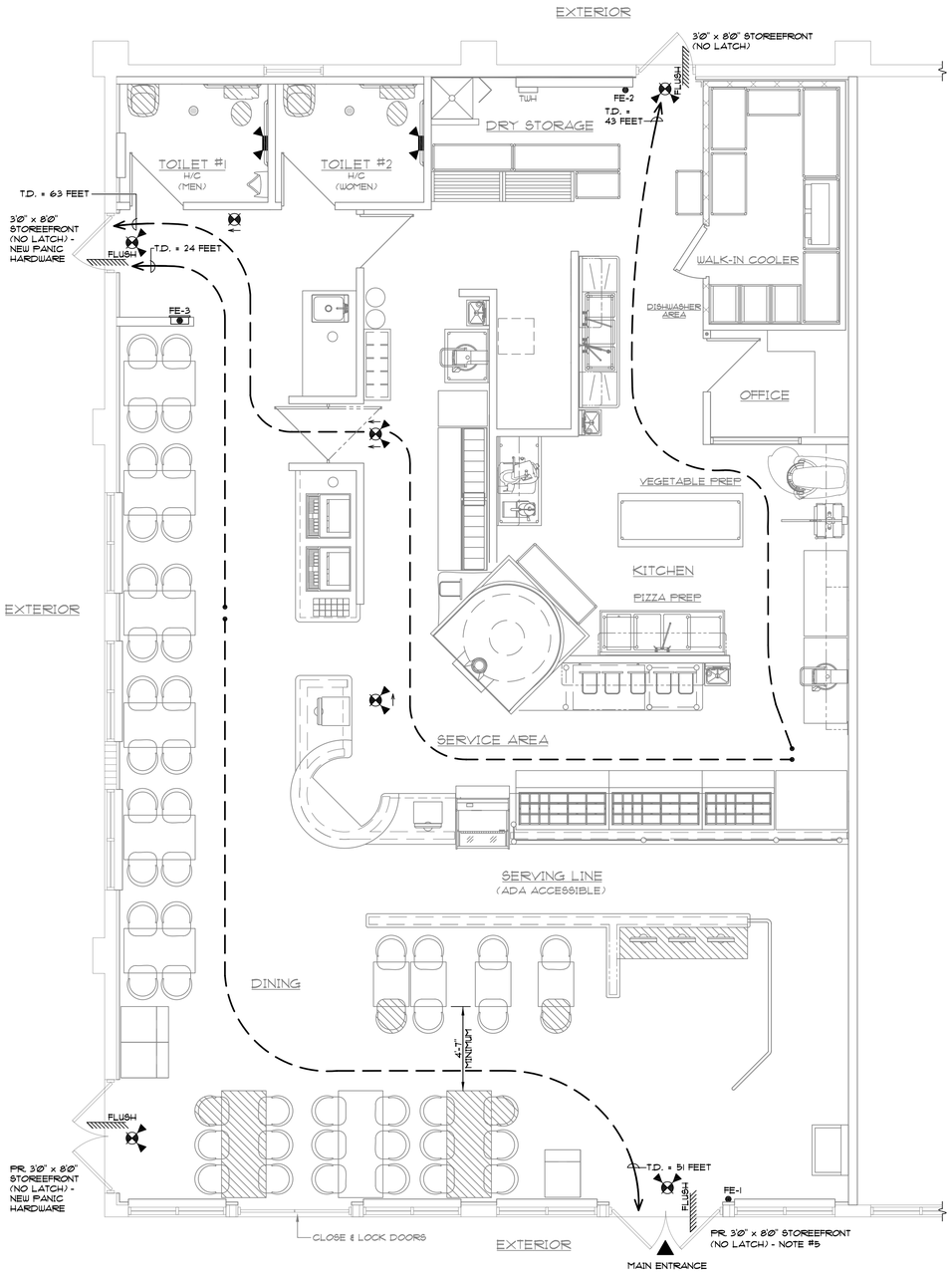
INTERIOR IMPROVEMENTS
FIRED UP PIZZA
8170 OKEECHOBEE BLVD. - SUITES 1 & 2
SEDONA COMMONS - BUILDING #7
WEST PALM BEACH, FLORIDA

DRAWN	GWT
CHECKED	KUOPPALA
DATE	APRIL 21, 2016
SCALE	AS NOTED
COMM. NO.	16-07
SHEET	A-3
OF	5 SHEETS



LIFE SAFETY PLAN

1/4" = 1'-0"

LIFE SAFETY NOTES:

1.) Exits calculated at 0.2" per occupant per 2010 FBC-B 1005.1. All doors are minimum 36" wide (34" clear). 34" X 0.2" = 231 occupants maximum permitted at 36" wide door. All egress doors are 36" wide units.
2.) No fire alarm system at this project.
3.) No fire sprinklers at this project.
4.) All exterior door are flush with adjacent, exterior walkway (no step).
5.) Panic hardware not required at main entrance per 2014 FBC-B 1008.1.10 "Exception" In compliance with 1008.1.9.3 (Item #2).

LIFE SAFETY LEGEND

- EXIT LIGHT
- DUAL HEAD EMERGENCY LIGHT
- EXIT/EMERGENCY LIGHT
- FIRE EXTINGUISHER

PROJECT DATA AT THIS TENANT:

CONSTRUCTION TYPE:	TYPE 5B, UNPROTECTED, UNSPRINKLED.
FLOOR AREA	= 2,680 S.F.
OCCUPANT LOAD = 80	7 - 1,364 S.F. KITCHEN (1/200 S.F.) 73 - 1,100 S.F. UNCONCENTRATED ASSEMBLY (1/15 S.F.)
OCCUPANCY	= ASSEMBLY (A-2)
EXITS	= TWO REQUIRED PER TABLE 1015.1
FIRE RATED CORRIDORS	= N/A PER TABLE 1018.1
MAXIMUM DEAD END	= 20 FEET PER 1018.4
MAXIMUM TRAVEL	= 200 FEET PER TABLE 1016.2
MAXIMUM COMMON TRAVEL	= 75 FEET PER 1014.3

CODE REFERENCES:

2014 Florida Building Code
2014 Florida Building Code - Existing Building
2014 Florida Building Code - Plumbing
2014 Florida Building Code - Mechanical
2014 Florida Building Code - Energy
2014 Florida Building Code - Accessibility
2012 NFPA 101
2011 NEC (NFPA 72)
2012 Florida Fire Prevention Code
2014 FLORIDA BUILDING CODE - LEVEL 3 ALTERATIONS

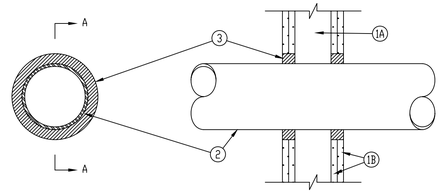
SEATING CAPACITY = 50

PUBLIC WATER & SEWER AT THIS PROJECT

WL 1054

System No. W-L-1054

F Ratings - 1 and 2 Hr (See Items 1 and 3)
T Rating - 0 Hr
L Rating At Ambient - Less Than 1 CFM/Sq Ft
L Rating At 400 F - 4 CFM/Sq Ft



SECTION A-A

1. Wall Assembly -- The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs -- Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 2-1/2 in. wide and spaced max 24 in. OC. When steel studs are used and the diam of opening exceeds the width of stud cavity, the opening shall be framed on all sides using lengths of steel stud installed between the vertical studs and screw-attached to the steel studs at each end. The framed opening in the wall shall be 4 to 6 in. wider and 4 to 6 in. higher than the diam of the penetrating item such that, when the penetrating item is installed in the opening, a 2 to 3 in. clearance is present between the penetrating item and the framing on all four sides.
   B. Gypsum Board* -- 5/8 in. thick, 4 ft wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 32-1/4 in. for steel stud walls. Max diam of opening is 14-1/2 in. for wood stud walls. The F Rating of the firestop system is equal to the fire rating of the wall assembly.

HILTI FIRESTOP SYSTEMS

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CLASSIFIED C UL US

WL 1054

System No. W-L-1054

F Ratings - 1 and 2 Hr (See Items 1 and 3)
T Rating - 0 Hr
L Rating At Ambient - Less Than 1 CFM/Sq Ft
L Rating At 400 F - 4 CFM/Sq Ft

2. Through-Penetrants -- One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. The annular space shall be min 0 in. to max 2-1/4 in. Pipe may be installed with continuous point contact. Pipe, conduit or tubing may be installed at an angle not greater than 45 degrees from perpendicular. Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:
   A. Steel Pipe -- Nom 30 in diam (or smaller) Schedule 10 (or heavier) steel pipe.
   B. Iron Pipe -- Nom 30 in. diam (or smaller) cast or ductile iron pipe.
   C. Conduit -- Nom 4 in diam (or smaller) steel electrical metallic tubing or 6 in. diam steel conduit.
   D. Copper Tubing -- Nom 6 in. diam (or smaller) Type L (or heavier) copper tubing.
   E. Copper Pipe -- Nom 6 in. diam (or smaller) regular (or heavier) copper pipe.
3. Fill, Void or Cavity Material* -- Sealant -- Min 5/8 in. thickness of fill material applied within the annulus, flush with both surfaces of wall. At the point or continuous contact locations between pipe and wall, a min 1/2 in. diam bead of fill material shall be applied at the pipe wall interface on both surfaces of wall .
   HILTI CONSTRUCTION CHEMICALS, DIV OF
   HILTI INC -- FS-One Sealant
*Bearing the UL Classification Mark

HILTI FIRESTOP SYSTEMS

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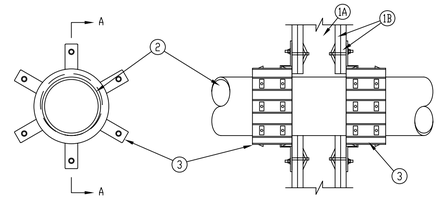
CLASSIFIED C UL US

WL 2078

System No. W-L-2078

F Ratings - 1 & 2 Hr (See Iten 1)
T Ratings - 1 & 2 Hr (see Item 1)



SECTION A-A

1. Wall Assembly - The fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL fire Resistance Directory and shall include the construction features noted below. The hourly F Rating and T Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed:
   A. Studs - Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 2-1/2 in. wide and spaced max 24 in. OC.
   B. Gypsum Board* - Nom 5/8 in. thick gypsum wallboard, as specified in the individual Wall and Partition Design. Max diam of opening is 7 in.
2. Through-Penetrants - One nonmetallic pipe, conduit or tubing to be installed within the firestop system. The annular space between pipe and periphery of opening shall be min 0 in. (point contact) to max 1/2 in. Pipe or conduit to be rigidly supported on both sides of the wall assembly. The following types and sizes of nonmetallic pipes may be used:

HILTI FIRESTOP SYSTEMS

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. March 22, 2004

WL 2078

System No. W-L-2078

F Ratings - 1 & 2 Hr (See Iten 1)
T Ratings - 1 & 2 Hr (see Item 1)

   A. Polyvinyl Chloride (PVC) Pipe - Nom 6 in. diam (or smaller) Schedule 40 solid-core or cellular core PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping system.
   B. Chlorinated Polyvinyl Chloride (CPVC) Pipe - Nom 6 in. diam (or smaller) SDR17 CPVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
   C. Acrylonitrile Butadiene Styrene (ABS) Pipe - Nom 6 in. diam (or smaller) Schedule 40 solid-core or cellular core ABS pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems
   D. Flame Retardant Polypropylene (FRPP) Pipe - Nom 6 in. diam (or smaller) Schedule 40 FRPP pipe for use in closed (process or supply) or vented (drain, waste or vent) piping system.
   E. Polyvinylidene Fluoride (PVDF) Pipe - Nom 4 in. diam (or smaller) PVDF pipe for use in closed (process or supply) or vented (drain, waste or vent) piping system.
3. Firestop Device* - Firestop Collar - Firestop collar shall be installed in accordance with the accompanying installation instructions. Collar to be installed and latched around the pipe and secured to both sides of the wall using the anchor hooks provided with the collar. (Minimum 2 anchor hooks for 1-1/2 and 2 in. diam pipes, 3 anchor hooks for 3 and 4 in. diam pipes, and 4 anchor hooks for 6 in. diam pipes). The anchor hooks are to be secured to the surface of wall with 3/16 2-1/2 in. long toggle bolts along with washers.
   HILTI CONSTRUCTION CHEMICALS, DIV OF
   HILTI INC - CP 643 50/1.5"N, CP 643 63/2"N, CP 643 90/3"N, CP 643 110/4"N or CP 643 160/6"N Firestop Collar
*Bearing the UL Classification Mark

HILTI FIRESTOP SYSTEMS

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CLASSIFIED

APRIL 21, 2016

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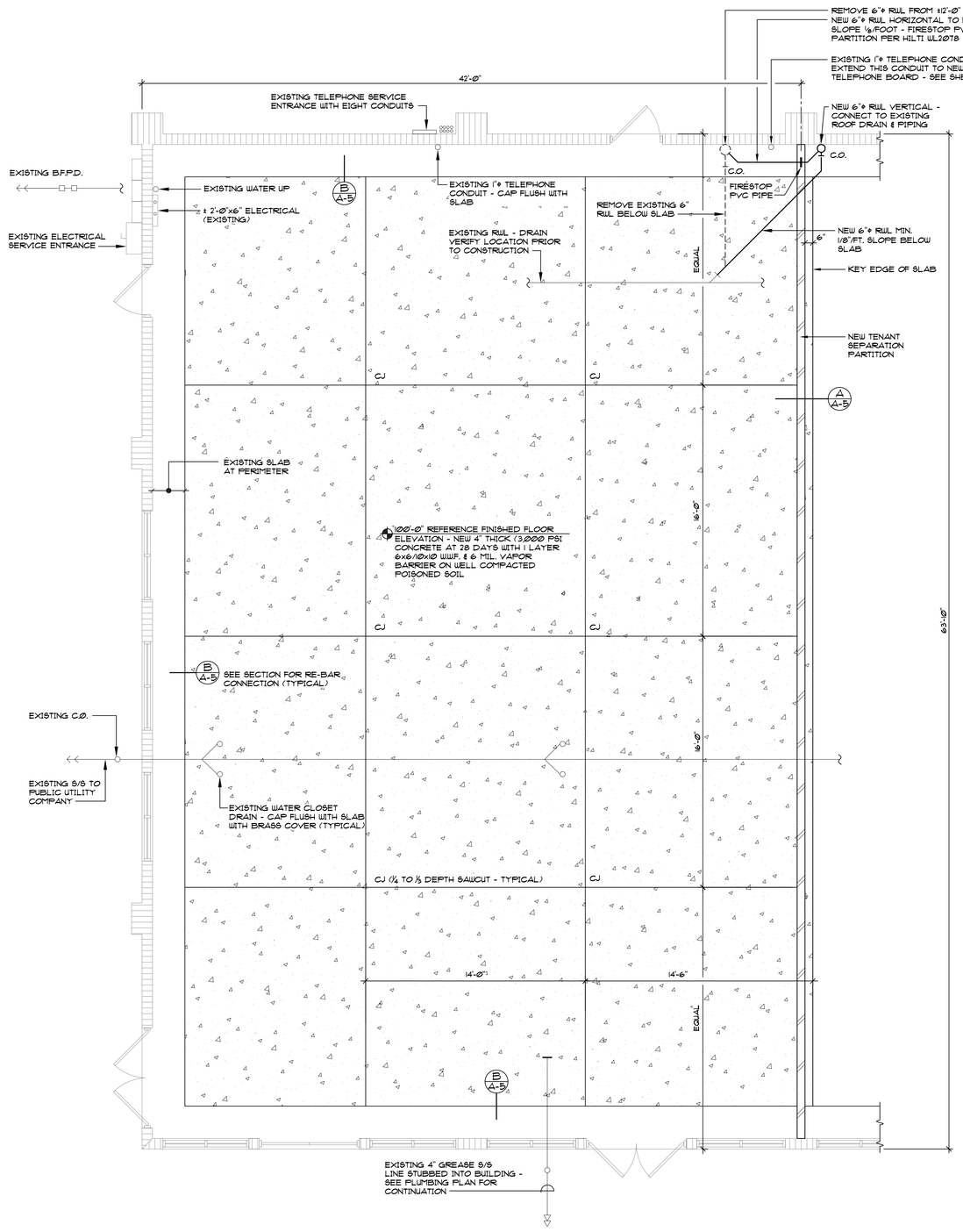
INTERIOR IMPROVEMENTS

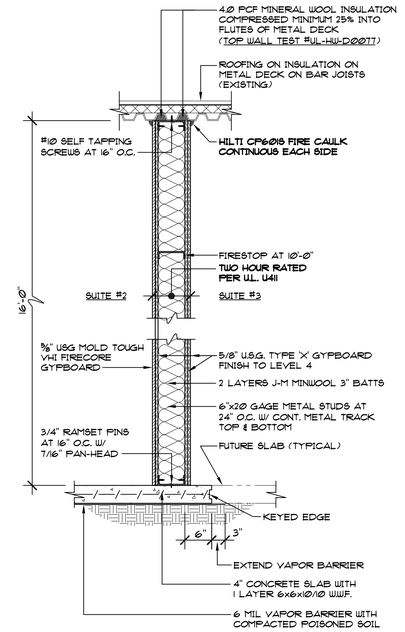
FIRED UP PIZZA

8170 OKEECHOBEE BLVD. - SUITES 1 & 2
SEDONA COMMONS - BUILDING #7
WEST PALM BEACH, FLORIDA

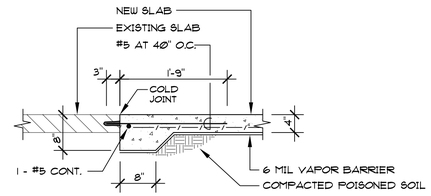
DRAWN	GWT
CHECKED	KUOPPALA
DATE	APRIL 21, 2016
SCALE	AS NOTED
COMM. NO.	16-07
SHEET	A-4
OF	5 SHEETS



A-5 FLOOR SLAB PLAN WITH UTILITIES
1/4" = 1'-Ø"



A A-5 SECTION AT TENANT SEPARATION PATITION
3/4" = 1'-Ø"



B A-5 SECTION
3/4" = 1'-Ø"

NOTES:
1.) Re-bar shall be grade 60 deformed.

APRIL 21, 2016

REVISIONS	BY

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INTERIOR IMPROVEMENTS
FIRED UP PIZZA
8170 OKEECHOBEE BLVD. - SUITES 1 & 2
SEDONA COMMONS - BUILDING #7
WEST PALM BEACH, FLORIDA

DRAWN	GWT
CHECKED	KUOPPALA
DATE	APRIL 21, 2016
SCALE	AS NOTED
COMM. NO.	16-07
SHEET	A-5
OF	5 SHEETS

GREASE INTERCEPTOR SIZING CALCULATION

SIZING FORMULA FOR RESTAURANTS AS PER FBC– PLUMBING TABLE 1003.5.1

(S) x (GS) x (HR/12) x (LF) = EFFECTIVE CAPACITY OF GREASE INTERCEPTOR IN GALLONS

WHERE,

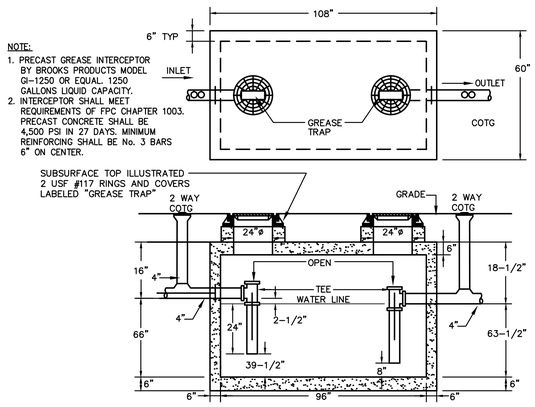
S = NUMBER OF SEATS IN DINING AREA
GS = GALLONS OF WASTE WATER PER SEAT
(USE 25 GALLONS FOR RESTAURANT WITH CHINA DISHES AND/OR AUTOMATIC DISHWASHER)
(USE 10 GALLONS FOR RESTAURANT WITH PAPER OR BASKETS AND NO DISHWASHER)
HR = NUMBER OF HOURS RESTAURANT IS OPEN
LF = LOADING FACTOR
(USE 2.00 INTERSTATE HIGHWAY; 1.50 OTHER FREEWAYS; 1.25 RECREATIONAL AREA;
1.00 MAIN HIGHWAY; 0.75 OTHER HIGHWAY)

CALCULATION:

S = 52 GS = 25 HR = 10 LF = 1.00

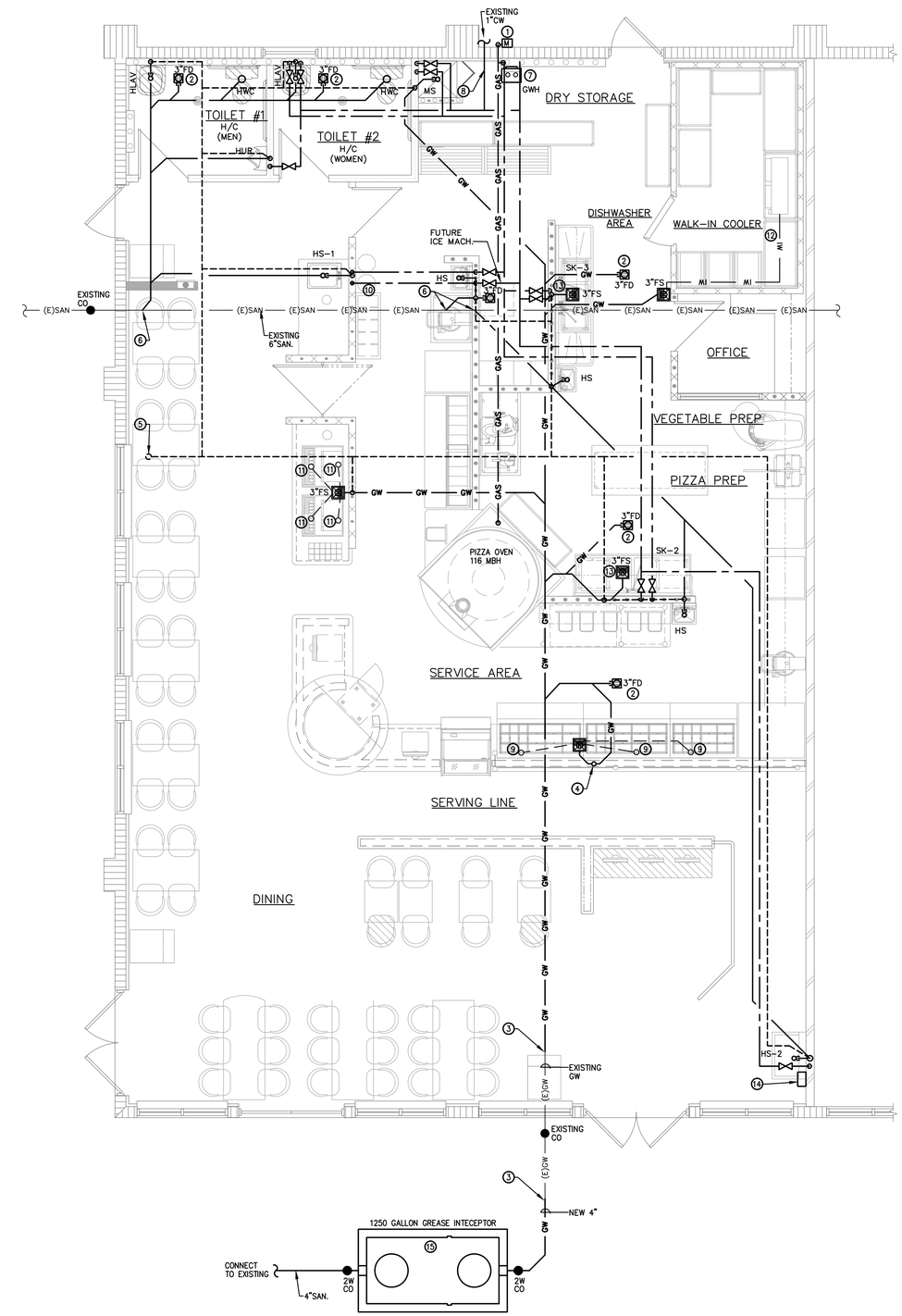
(52) x (25) x (10/12) x (1.00) = 1,079 GALLONS

TOTAL CAPACITY PROVIDED = 1,250 GALLONS



1250 GALLON GREASE INTERCEPTOR DETAIL

N.T.S.



PLAN KEY NOTES

1. NEW NATURAL GAS METER AND LOW PRESSURE REGULATOR. TOTAL LOAD: 316 MBH.
2. PROVIDE A 1/2" TRAP PRIMER LINE UNDERGROUND. ROUTE TO NEAREST SINK/LAV.
3. CONNECT TO EXISTING GREASE WASTE LINE. VERIFY EXACT LOCATION, SIZE AND INVERT IN THE FIELD PRIOR TO START OF WORK.
4. PROVIDE 1–1/2" STUDOR VENT IN HALF–WALL SPACE. PROVIDE A LOUVERED ACCESS PANEL.
5. CONNECT NEW 2" VENT LINE TO EXISTING. VERIFY EXACT LOCATION IN THE FIELD PRIOR TO START OF WORK.
6. CONNECT TO EXISTING SANITARY LINE. VERIFY EXACT LOCATION, SIZE AND INVERT IN THE FIELD PRIOR TO START OF WORK.
7. TANKLESS WATER HEATER MOUNTED ON WALL. ROUTE CONCENTRIC VENTING UP THRU THE ROOF. PROVIDE A HORIZONTAL OFFSET SO ROOF PENETRATION IS 3 FEET AWAY FROM PARAPET. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.
8. CONNECT TO EXISTING WATER LINE. VERIFY EXACT LOCATION AND SIZE IN THE FIELD PRIOR TO START OF WORK.
9. ROUTE 1" INDIRECT WASTE LINE FROM COLD PAN TO FLOOR SINK. PROVIDE AN AIR GAP. VERIFY INDIRECT WASTE SIZE WITH EQUIPMENT CONNECTION.
10. PROVIDE A 1/2" INLINE BACKFLOW PREVENTOR AND WATER FILTER PRIOR TO CONNECTION TO SODA EQUIPMENT.
11. ROUTE 3/4" INDIRECT WASTE LINE FROM SODA MACHINE TO FLOOR SINK. PROVIDE AN AIR GAP.
12. ROUTE 3/4" INDIRECT WASTE LINE FROM EVAPORATOR COIL TO FLOOR SINK. PROVIDE AN AIR GAP. VERIFY INDIRECT WASTE SIZE WITH EQUIPMENT CONNECTION.
13. ROUTE 1–1/2" INDIRECT WASTE LINE FROM SINK TO FLOOR SINK. PROVIDE AN AIR GAP.
13. ROUTE 1–1/2" INDIRECT WASTE LINE FROM SINK TO FLOOR SINK. PROVIDE AN AIR GAP.
14. ELECTRIC TANKLESS WATER HEATER MOUNTED ON WALL HIGH AT CEILING LEVEL AS PER DETAIL.
15. EXACT LOCATION SHALL BE COORDINATED IN THE SITE.

PLUMBING FLOOR PLAN

1/4" = 1'–0"

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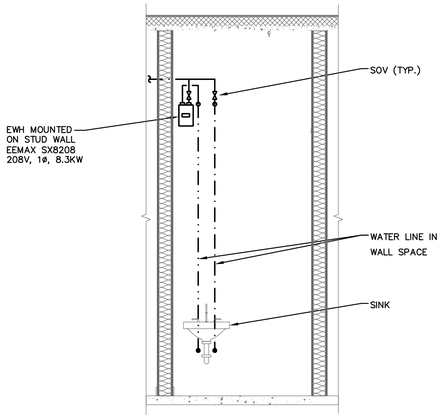
INTERIOR IMPROVEMENTS

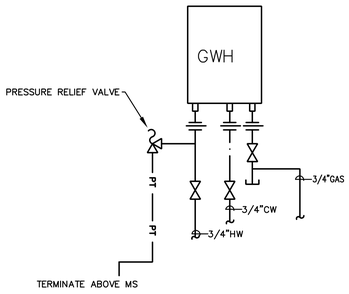
FIRED UP PIZZA

8170 OKEECHOBEE BLVD. – SUITES 1 & 2
SEDONA COMMONS – BUILDING #7
WEST PALM BEACH, FLORIDA

DRAWN	MB
CHECKED	MB
DATE	APRIL 26, 2016
SCALE	AS NOTED
COMM. NO.	16–07
SHEET	P–1
OF	1 3 SHEETS



TANKLESS WATER HEATER DETAIL
N.T.S.



TANKLESS GAS WATER HEATER DETAIL
N.T.S.

WATER HEATER SCHEDULE–GAS

DESIGNATION	MFG.	MODEL No.	BTU/HR		SET POINT (°F)
GWH	NORITZ	NC1991–DVC–NG	199,000		120

NOTES:
CONTRACTOR TO CONSULT MANUFACTURER FOR SPECIFIC INSTALLATION REQUIREMENTS
PROVIDE NEUTRALIZER KIT, ROUTE 3/4" DRAIN LINE TO MOP SINK.

PLUMBING FIXTURE LIST

AMERICAN STANDARD, ELKAY & ZURN PRODUCTS ARE LISTED. SUBMIT ALTERNATE FIXTURES FOR APPROVAL. COLOR IS WHITE UNLESS OTHERWISE NOTED.

ALL FIXTURES SHALL COMPLY WITH TABLE 604.4 OF F.B.C.–PLUMBING

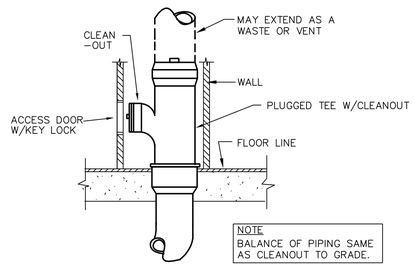
PROVIDE FIXTURES WITH REQUIRED STOP VALVES, FITTINGS, ACCESSORIES, SUPPORTS, ETC, AS REQUIRED FOR A COMPLETE FUNCTIONAL PLUMBING SYSTEM.

TAG	MFG.	MODEL	REMARKS
HLAV	AMERICAN STANDARD	0954.0000 6056.202	MURRO WALL HUNG HANDICAPPED LAVATORY PLUG–IN AC POWERED FAUCET, SELECTRONIC, 1.5 GPM VANDAL RESISTANT AERATOR, PROVIDE PROVIDE BROCAR TRAP–WRAP INSULATION. NO EXCEPTIONS MOUNT RIM AT MAX. 33.5" A.F.F. – ADA COMPLIANT.
HWC	AMERICAN STANDARD	241AA.104	HANDICAPPED TANK TYPE WATER CLOSET (1.28 GPF) CHAMPION 4 HET, ADA ELONGATED, 16–1/2"H PROVIDE ALTERNATE TANK CONFIGURATION WITH TRIP LEVER ON RIGHT SIDE WHERE REQUIRED. OLSONITE #95 SEAT.
HS			STAINLESS STEEL HAND WASH–UP SINK. WALL MOUNTED. TO BE PROVIDED BY OWNER AND INSTALLED BY PLUMBING CONTRACTOR.
SK–3			THREE COMPARTMENT SINK, TO BE PROVIDED BY OWNER AND INSTALLED BY PLUMBING CONTRACTOR.
SK–2			TWO COMPARTMENT SINK, TO BE PROVIDED BY OWNER AND INSTALLED BY PLUMBING CONTRACTOR.
MS	FIAT	MSB–2424	MOLDED STONE MOP BASIN, 830–AA FAUCET, 899–CC MOP HANGER,832–AA HOSE AND HANGER, MSG 2424 S.S. WALL GUARD
FD	ZURN	Z415BZ –NH–P	FLOOR DRAIN, DURA COATED CAST IRON BODY WITH BOTTOM OUTLET, POLISHED BRONZE ROUND LEVELING STRAINER TOP, NO HUB, 3"ø SIZE,
FS	ZURN	FD2378 –NH3–H	NO HUB FLOOR SINK, 8" X 8". 1/2 GRATE, CAST IRON BODY WITH A WHITE ACID–RESISTANT PORCELAIN ENAMEL INTERIOR COATING, AND AN ABS ANTI–SPLASH DOME STRAINER.
HUR	AMERICAN STANDARD SLOAN	6501.010 #180–1.0 ESS	HANDICAPPED WASHBROOK URINAL. TOP SPUD. 3/4" TOP SPUD, ZURN Z1221 CARRIER, PLATE TYPE SYSTEM. MOUNT RIM AT MAX. 17" A.F.F. – ADA COMPLIANT. HARDWIRED 1 GPF, ELECTRONIC SENSOR SOLENOID OPERATED OVERRIDE BUTTON.
HS–2	JUST	J–770–1–S JSGN–8–AC	STAINLESS STEEL SINK, FAUCET WITH PLUG IN POWER ADAPTER MOUNT RIM AT MAX. 33.5" A.F.F. – ADA COMPLIANT.
HS–1	ADVANCE TABCO	DI–1–208	STAINLESS STEEL SINK, K–614 SPLASH WRAP
	T&S BRASS	B–1110	DECK MOUNTED FAUCET

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	PIPE SIZE C.W.	H.W.	WASTE	TRAP	QTY	F.U.	TOTAL
HLAV	LAVATORY (HANDICAPPED)	1/2"	1/2"	2"	1–1/2"	2	1	2
HWC	WATER CLOSET (HANDICAPPED)	1/2"	–	3"	INT.	2	4	8
HS	HAND SINK	1/2"	1/2"	2"	1–1/2"	3	2	6
3C SK	3 COMPARTMENT SINK	1/2"	1/2"	1–1/2"I.W.		1	SEE FS	SEE FS
MS	MOP SINK	1/2"	1/2"	3"	3"	1	2	2
FD	FLOOR DRAIN			3"	3"	6	0	0
FS	FLOOR SINK			3"	3"	5	2	10
SK	SINK	1/2"	1/2"	2"	1–1/2"	1	2	2
HUR	URINAL (HANDICAPPED)	3/4"	–	2"	INT.	1	2	2
	TOTAL							32

NOTES:
1. ALL FIXTURES SHALL COMPLY WITH TABLE 604.4 (MAX. FLOW RATES), TABLE 604.5 (MIN. SIZES OF WATER SUPPLY), & TABLE 709.1 (MIN. SIZE OF TRAP) OF F.B.C.–PLUMBING



WALL CLEANOUT DETAIL
NOT TO SCALE

GENERAL PLUMBING NOTES

1. ALL WORK SHALL COMPLY WITH THE FLORIDA PLUMBING CODE–2014.
2. DO NOT SCALE DRAWINGS. VERIFY DIMENSIONS IN FIELD PRIOR TO COMMENCEMENT OF WORK. THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL LAYOUT OF PLUMBING SYSTEMS.
3. CONTRACTOR SHALL VISIT THE EXISTING SITE (IF APPLICABLE) PRIOR TO BIDDING AND SHALL INVESTIGATE ALL CONDITIONS THAT AFFECT HIS WORK; VERIFY LOCATIONS, SIZES, DIMENSIONS, AND INVERT ELEVATIONS OF ALL ON–SITE SANITARY SEWERS, STORM DRAINS, WATER MAINS AND NATURAL GAS MAINS, AND MAKE CERTAIN THAT ALL CONNECTIONS CAN BE MADE. THE CONTRACTOR SHALL MAKE THE ARCHITECT/ENGINEER AWARE OF ANY CONFLICTS.
4. CONTRACTOR SHALL REVIEW ARCHITECTURAL, STRUCTURAL, MECHANICAL AND OTHER DRAWINGS PRIOR TO BID AND SHALL COORDINATE ALL TRADES TO PROVIDE A COMPLETE PRODUCT TO AVOID CONFLICTS BETWEEN THE TRADES, AND TO DETERMINE WHICH TRADE IS TO PERFORM THE NECESSARY WORK. RESOLVE ALL QUESTIONS OR CONFLICTS WITH THE ENGINEER BEFORE ANY EQUIPMENT IS ORDERED, MATERIALS FABRICATED OR SYSTEMS INSTALLED. CONSULT THE ARCHITECT'S DRAWINGS FOR ALL GRADE AND FINISH FLOOR ELEVATIONS.
5. CONTRACTOR SHALL GUARANTEE THE INSTALLATION AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP WHICH MAY OCCUR UNDER NORMAL USAGE FOR A PERIOD OF ONE YEAR AFTER OWNER'S ACCEPTANCE. DEFECTS SHALL BE PROMPTLY REMEDIED WITHOUT COST TO THE OWNER.
6. CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, FEES, INSPECTION AND TESTS. CONTRACTOR SHALL OBTAIN PERMIT AND APPROVED SUBMITTALS PRIOR TO COMMENCEMENT OF WORK OR ORDERING EQUIPMENT. PLUMBING CONTRACTOR SHALL BE PRESENT FOR ALL INSPECTIONS OF HIS WORK BY REGULATORY AUTHORITIES.
7. CONTRACTOR SHALL PROVIDE RECORD DRAWINGS TO THE BUILDING OWNER AND ARCHITECT. DRAWINGS SHALL INCLUDE ALL ADDENDUM ITEMS, CHANGE ORDERS, ALTERATIONS, REROUTINGS, ETC.
8. CONTRACTOR SHALL PROVIDE INSURANCE FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK.
9. TRENCHING, BACKFILL AND CONCRETE WORK ASSOCIATED WITH PLUMBING SHALL BE PERFORMED IN ACCORDANCE WITH THE APPLICABLE SPECIFICATIONS.
10. CONTRACTOR SHALL PROVIDE AND INSTALL ALL SLEEVES THROUGH FLOORS AND WALLS PIPING THROUGH FLOORS SHALL BE SLEEVED, CAULKED AND FLASHED TO PREVENT LEAKAGE. SEAL ALL WALL PENETRATIONS WATERTIGHT WITH SILICONE CAULKING AND BACKER ROD, OR COVERED WITH ESCUTCHEON PLATES. IT SHALL ALSO BE THE RESPONSIBILITY OF THE PLUMBING SUBCONTRACTOR TO PROVIDE ALL LAYOUT, SLEEVING, CONCRETE CUTTING AND PATCHING, AND CONCRETE COREBORING AS REQUIRED TO COMPLETE ALL OF PLUMBING WORK. ALL LAYOUT OF REQUIRED CONCRETE CUTTING MUST BE APPROVED BY THE GENERAL CONTRACTOR PRIOR TO PLUMBING SUBCONTRACTOR'S EXECUTION OF SAME.
11. LAYOUT PIPES TO FALL (CONCEALED) WITHIN PARTITION WALL OR CHASES. NOTIFY ARCHITECT IF ADDITIONAL WALL SPACE IS REQUIRED. COORDINATE PIPE DROP WITH FOOTINGS, STRUCTURAL STEEL, FIRE RATED WALLS, WHICH MAY FALL BELOW PARTITION WALL OR CHASE. MAKE NECESSARY ADJUSTMENT TO PIPING TO AVOID CONFLICT WITH BUILDING OBSTRUCTIONS. CONSULT WITH ARCHITECT AND CONTRACT DOCUMENTS FOR LOCATION OF ALL RATED WALLS, CEILINGS, FLOORS AND ROOF. FURNISH AND INSTALL APPROPRIATE AND APPROVED FIRE BARRIER AT ALL PENETRATIONS. INSTALLATION SHALL BE PER MANUFACTURES SPECIFICATIONS.
12. CONTRACTOR SHALL PROVIDE PIPE HANGERS FOR ALL PIPING. HANGER RODS AND DEVICES SHALL BE USED FOR SUPPORT OF ALL PIPING. MAKESHIFT DEVICES WILL NOT BE ACCEPTABLE. HANGER DEVICES SHALL BE SIZED TO FIT AROUND INSULATION. PROVIDE GALVANIZED STEEL SADDLES AS REQUIRED. PIPING SUPPORT SPACING SHALL COMPLY WITH THE FLORIDA PLUMBING CODE–2014.
13. SANITARY, VENT PIPING AND DOMESTIC WATER PIPING SHALL BE TESTED IN ACCORDANCE WITH SECTION 312 OF THE FLORIDA PLUMBING CODE–2014.
14. DIELECTRIC COUPLINGS ARE REQUIRED BETWEEN ALL DISSIMILAR METAL IN PIPING AND EQUIPMENT CONNECTIONS.
15. MATERIALS AND EQUIPMENT SHALL BE NEW OF AMERICAN MANUFACTURER, FREE OF DEFECTS AND IT SHALL MEET THE REQUIREMENTS OF THE NATIONAL BOARD OF FIRE UNDERWRITERS, ASTM & ANSI SPECIFICATIONS WHERE SUCH EXIST, STANDARD AND LOCAL BUILDING CODES, AND SHALL BE SUITABLE FOR THE USE INTENDED.

WATER PIPING SYSTEM NOTES

1. WATER PIPING SHALL BE COPPER TYPE "L".
3. ALL FIXTURES MUST BE PROVIDED WITH READILY ACCESSIBLE STOPS AND APPROPRIATELY MARKED ACCESS PANELS. COORDINATE LOCATIONS WITH GENERAL CONTRACTOR PRIOR TO INSTALLATION.
4. PROVIDE ANGLE STOPS ON ALL WATER SERVICE LINES TO FIXTURES FOR INDIVIDUAL SHUT–OFF.
5. DISINFECTION OF SYSTEM. AFTER CONSTRUCTION OR MAJOR REPAIR, THE INDIVIDUAL WATER SUPPLY SYSTEM SHALL BE PURGED OF DELETERIOUS MATTER AND DISINFECTED IN ACCORDANCE TO SECTION 610 FPC–2010.
6. ALL FIXTURES MUST BE PROVIDED WITH READILY ACCESSIBLE STOPS AND APPROPRIATELY MARKED ACCESS PANELS. COORDINATE LOCATIONS WITH GENERAL CONTRACTOR PRIOR TO INSTALLATION.
7. PROVIDE A WATER HAMMER ARRESTOR ON ALL WATER SUPPLY LINES SERVING FLUSH VALVE PLUMBING FIXTURES, SOLENOID VALVES, ETC. INCLUDING OTHER FIXTURES OR EQUIPMENT WITH QUICK CLOSING VALVES (ICE MAKERS, & DISHWASHERS). USE SIOUX CHIEF SHOCK ARRESTORS, P.D.I.#A ; 1/2"CONN., P.D.I.#B ; 3/4"CONN. P.D.I.#C ; 1"CONN.. APPROVED FOR INSTALLATION WITH NO ACCESS PANEL REQUIRED. CONFORMS WITH ANSI/ASSE 1010 STANDARDS.
8. PROVIDE AUTOMATIC TRAP PRIMER ON COLD WATER CONNECTION TO LAVATORY FIXTURE WITH COLD WATER TUBE TO FLOOR DRAIN AUXILIARY INLET FITTING. FLOOR DRAINS IN AREAS WHERE A LAVATORY (TRAP PRIMER) CONNECTION IS NOT AVAILABLE, PROVIDE A TRAP PRIMER DISTRIBUTION UNIT PRECISION PLUMBING PRODUCTS, MODEL PR–500 (OR APPROVED EQUAL) AND A SHUT–OFF VALVE IN ACCESSIBLE AREA.
9. ESCUTCHEONS SHALL BE CHROME PLATED BRASS WITH LOCKING SCREWS WHERE PIPES PASS THROUGH FINISHED WALLS.

SANITARY WASTE SYSTEM

1. SANITARY WASTE AND VENT PIPING SHALL BE SOLID WALL SCHEDULE 40 PVC. PIPING MATERIALS SHALL BEAR LABEL, STAMP, OR OTHER MARKINGS OF SPECIFIED TESTING AGENCY. INSTALLATION SHALL BE IN STRICT CONFORMANCE WITH MANUFACTURER'S REQUIREMENTS.
2. MAINTAIN A MINIMUM SLOPE OF 1/4" PER FOOT FOR DRAIN PIPING 2–1/2" OR LESS, AND 1/8" PER FOOT FOR PIPES 3" AND LARGER.
3. ALL VENT AND BRANCH VENT PIPES SHALL BE SO GRADED AND CONNECTED AS TO DRAIN BACK TO THE DRAINAGE PIPE BY GRAVITY.
4. EVERY DRY VENT SHALL RISE VERTICALLY TO A MINIMUM OF 6 INCHES ABOVE THE FLOOD LEVEL RIM OF THE HIGHEST TRAP OR TRAPPED FIXTURE BEING VENTED.
5. ALL INDIRECT WASTE PIPING SHALL DISCHARGE THROUGH AN AIR GAP INTO A WASTE RECEPTOR. ALL WASTE RECEPTORS SHALL BE TRAPPED & VENTED. ALL INDIRECT WASTE PIPING THAT EXCEEDS 24" IN DEVELOPED LENGTH MEASURED HORIZONTALLY OR 48" IN TOTAL DEV. LENGTH SHALL BE TRAPPED.

PLUMBING LEGEND

CO	CLEAN OUT
CW	DOMESTIC COLD WATER
HW	DOMESTIC HOT WATER
SAN	SANITARY
	BALL VALVE
VTR	VENT THRU ROOF
AAV	AIR ADMITTANCE VALVE
V.I.F.	VERIFY IN FIELD
WHA	WATER HAMMER ARRESTER– PDI #
SOV	SHUT–OFF VALVE
U.G.	UNDER GROUND
(E)	EXISTING
	POINT OF CONNECTION
	SANITARY SEWER PIPING
	VENT PIPING
	DOMESTIC COLD WATER PIPING
	HOT WATER PIPING
GW	GREASE WASTE PIPING
IW	IN–DIRECT WASTE PIPING

CONNECTION TO EXISTING PLUMBING SYSTEM NOTES

1. INSTALLATION OF WORK AND NEW CONNECTION TO EXISTING PLUMBING LINES SHALL BE MADE AT TIME WHICH WILL NOT INTERFERE OR INTERRUPT THE NORMAL BUILDING OPERATION.
2. EXACT LOCATIONS, SIZE, AND ELEVATION OF EXISTING PIPING SHALL BE FIELD VERIFIED BEFORE START OF ANY WORK. ACTUAL FIELD CONDITIONS MAY REQUIRE ADJUSTMENT OR MODIFICATION TO PROPOSED ROUGHING, LAYOUT, AND ROUTING OF PIPING, INCLUDING POINT OF CONNECTION TO EXISTING WORK OF ADEQUATE SIZE TO ACCOMMODATE NEW WORK.
3. PROVIDE NECESSARY ADJUSTMENT OF NEW INSTALLATION DUE TO INTERFERENCE WITH BUILDING CONDITIONS, INCLUDING WORK OF OTHER TRADES.
4. PIPING MATERIAL, VALVES, PIPE SUPPORTS, PIPE COVERING, ETC. USED IN THE INSTALLATION OF WORK OF THIS CONTRACT SHALL BE NEW AND SHALL MATCH EXISTING, PROVIDING SAME MEETS ALL APPLICABLE BUILDING AND PLUMBING CODES.
5. PROVIDE NEW PLUMBING ROUGHING WITH CONNECTIONS NECESSARY OR REQUIRED FOR PROPER FUNCTION OF PLUMBING EQUIPMENT.
6. EXISTING PIPING SHALL BE MODIFIED AND/OR REMOVED TO POINT THAT WOULD ACCOMMODATE CONNECTION OF NEW (WATER AND WASTE) PLUMBING ROUGHING.
7. ROUTING OF NEW PIPING AND POINT OF CONNECTION TO EXISTING PIPING IS BASED ON ASSUMPTION THAT PIPING IS AT LOCATION SHOWN ON PLAN.
8. PROVIDE NECESSARY TEST TO DETERMINE TIGHTNESS OF EXISTING AND NEW PLUMBING PIPING SYSTEMS. ALL LEAKS AND OPEN OUTLETS FOUND DURING TEST SHALL BE REPAIRED, CAPPED OR PLUGGED, PERFORM ADDITIONAL TEST UNTIL IT IS DETERMINED THAT THE PLUMBING PIPING SYSTEMS IS WATER TIGHT.
9. ALL OPENINGS, HOLES, ETC; MADE FOR THE REMOVAL OF PLUMBING PIPING, FIXTURES, ETC; SHALL BE PATCHED WITH MATERIAL TO MATCH EXISTING.
10. IF FIELD CONDITION FINDS THAT EXISTING SANITARY, VENT, HOT AND COLD WATER LINES CAN BE UTILIZED, CONNECT NEW SANITARY, VENT, HOT AND COLD WATER LINES TO EXISTING. MAKE NECESSARY ADJUSTMENTS TO ACCOMMODATE NEW SANITARY, VENT AND WATER LINES.

GAS SYSTEM NOTES

1. GAS PIPING SHALL BE SCHEDULE 40 GALV STEEL WITH MALLEABLE THREADED FITTINGS.
2. CONTRACTOR SHALL PAY ALL FEES AND OBTAIN ALL PERMITS REQUIRED FOR THE INSTALLATION OF GAS SERVICE TO BUILDING, SEPARATE GAS PERMIT WILL BE REQUIRED.
3. ALL NATURAL GAS LINES SHALL BE BLOWN CLEAN OF DEBRIS AND FOREIGN MATTER WITH COMPRESSED AIR PRIOR TO FINAL CONNECTION TO EQUIPMENT.
4. FROM GAS HEADER INSTALL PIPE DROP WITH A 6" LONG SEDIMENT TRAP. PROVIDE GAS SHUT OFF VALVE ACCESSIBLE FOR MANUAL SHUT–OFF OF GAS TO EQUIPMENT.
5. CONTINUE GAS SERVICE AND PROVIDE CONNECTION TO MAIN GAS SERVICE LINE.
6. LOCATION OF CONNECTION., INCLUDING GAS METER, MAIN SHUT–OFF VALVE, ETC., SHALL BE COORDINATED WITH LOCAL GAS COMPANY.
7. CONTRACTOR SHALL COORDINATE ALL OWNER SUPPLIED EQUIPMENT PIPING REQUIREMENTS PRIOR TO INSTALLATION OF PIPING SYSTEMS.
8. PROVIDE PIPE HANGERS FOR ALL PIPING. HANGER RODS AND DEVICES SHALL BE USED FOR SUPPORT OF ALL PIPING. MAKESHIFT DEVICES WILL NOT BE ACCEPTABLE. PROVIDE GALVANIZED STEEL SADDLES AS REQUIRED. PIPING SUPPORT SPACING SHALL COMPLY WITH THE FLORIDA PLUMBING CODE–2010, TABLE 308.5.
9. CONTRACTOR SHALL PROVIDE NECESSARY REGULATORS FOR EACH APPLIANCE TO DROP GAS LINE PRESSURE TO APPLIANCE'S REQUIREMENTS.

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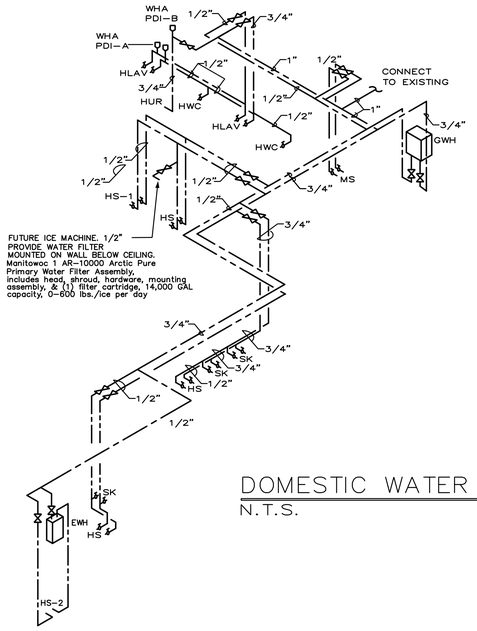
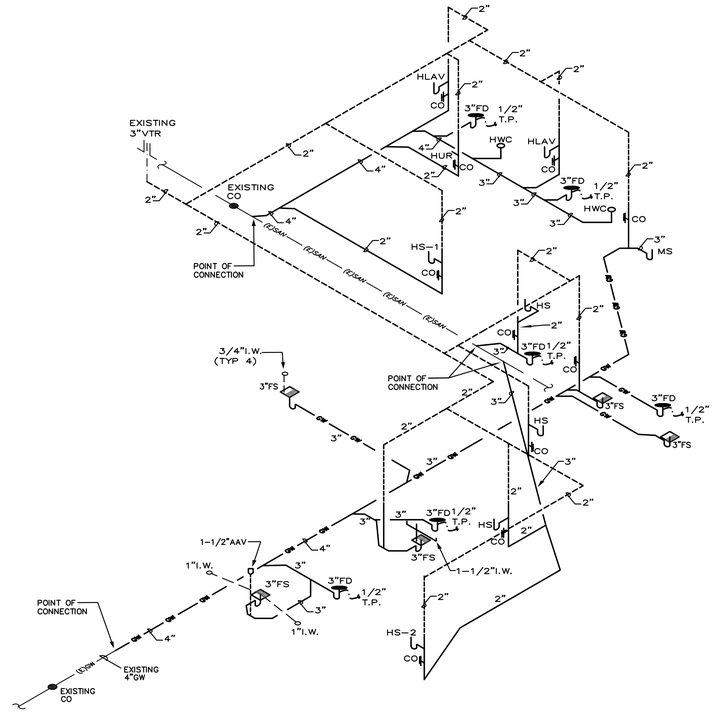
INTERIOR IMPROVEMENTS
FIRED UP PIZZA
8170 OKEECHOBEE BLVD. – SUITES 1 & 2
SEDONA COMMONS – BUILDING #7
WEST PALM BEACH, FLORIDA

DRAWN	MB
CHECKED	MB
DATE	APRIL 26, 2016
SCALE	AS NOTED
COMM. NO.	16–07
SHEET	P–2
OF	2 3 SHEETS



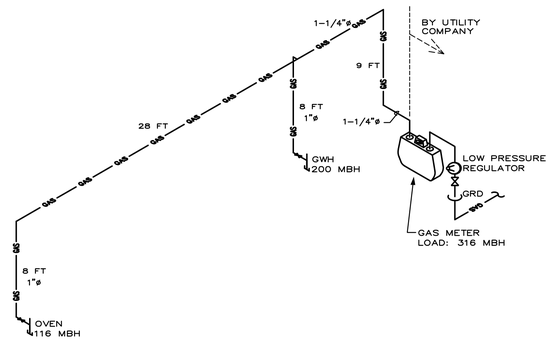
DOMESTIC WATER ISOMETRIC DIAGRAM

N.T.S.



SANITARY AND GREASE WASTE ISOMETRIC DIAGRAMS

N.T.S.



GAS SIZING BASED ON THE FOLLOWING:

1. FLORIDA BUILDING CODE- FUEL GAS	= TABLE 402.4(2)
2. PIPE MATERIAL	= SCHEDULE 40 METALLIC PIPE
3. GAS TYPE	= NATURAL
2. INLET PRESSURE	= 0.5 PSI OR LESS
3. PRESSURE DROP	= 0.5 INCH WATER COLUMN
4. SPECIFIC GRAVITY	= 0.6
5. MAXIMUM DEVELOPED LENGTH	= 46 FEET
6. TOTAL GAS LOAD	= 316 MBH

NATURAL GAS ISOMETRIC DIAGRAM

N.T.S.

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SEDONA COMMONS - BUILDING #7
WEST PALM BEACH, FLORIDA

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CHECKED	MB
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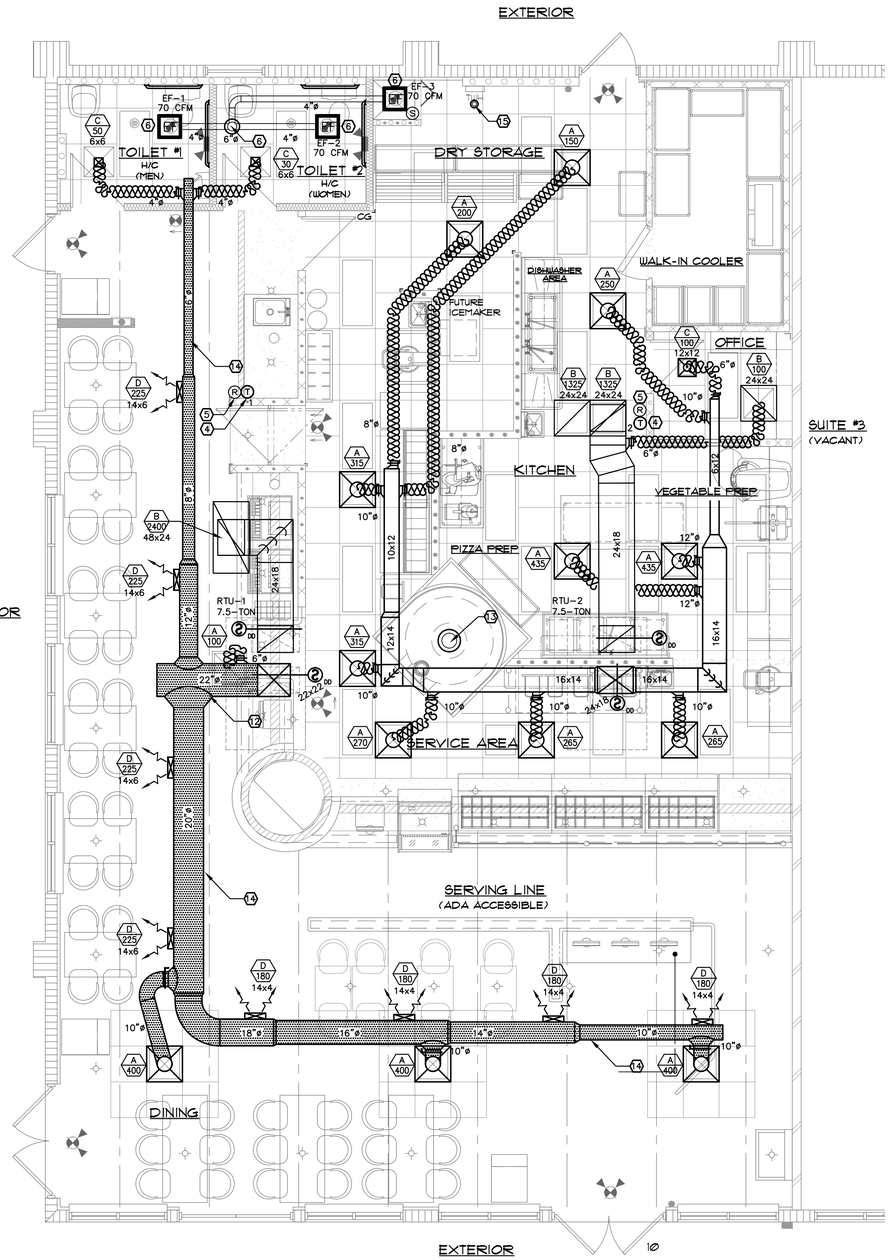
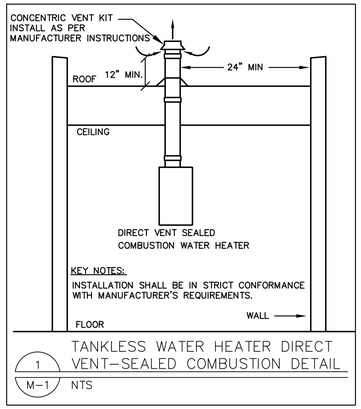
OF	3 3 SHEETS



MECHANICAL FLOOR PLAN

1/4" = 1'-0"



1 TANKLESS WATER HEATER DIRECT VENT-SEALED COMBUSTION DETAIL

M-1 NTS

PLAN KEY NOTES

1	NEW ROOFTOP UNIT TO BE MOUNTED ON EXISTING ROOF CURB.
2	MAINTAIN A MINIMUM OF 10 FEET CLEARANCE FROM OUTDOOR AIR INTAKE TO NEAREST EXHAUST OUTLET.
3	CONTRACTOR TO PROVIDE 3/4" PVC CONDENSATE CONNECTION FOR ROOFTOP UNIT. RUN ALONG SUPPORT STAND. SEE DETAIL M3-12. RUN CONDENSATE LINE TO ROOF DRAIN.
4	PROGRAMMABLE THERMOSTAT.
5	REMOTE TEST STATION FOR SMOKE DETECTOR.
6	CEILING MOUNTED EXHAUST FAN. PROVIDE 6"ø METAL EXHAUST AIR DUCT TO ROOF CAP.
7	PROVIDE FIBERGLASS SUPPLY AND RETURN DUCTWORK DOWN FROM ROOFTOP UNIT.
8	REFRIGERANT LINE ROOF SUPPORT. TYPICAL. SEE DETAIL M3-13.
9	NEW CONDENSING UNIT STAND FOR REFRIGERATION CONDENSING UNITS. SEE DETAILS SHEET M2-1 FOR CONNECTION OF CONDENSING UNITS TO NEW STANDS.
10	RUN REFRIGERANT LINES UP THROUGH ROOF CHASE TO ROOF MOUNTED CONDENSING UNITS.
11	SPIRAL DUCT MOUNTED SUPPLY GRILLE, DOUBLE DEFLECTION.
12	EXPOSED ROUND METAL DUCT WORK WITH INTERIOR LINED INSULATION.
13	PROVIDE 10" DOUBLE WALLED, TYPE B MATERIAL FLUE VENT, SIMILIAR TO SELKIRK MODEL R DIRECT VENT UL LISTED 103 HT, FROM PIZZA OVEN TO FLUE CAP. SEE PIZZA OVEN MANUFACTURER INSTALLATION INSTRUCTIONS. SIZE OF FLUE BASED ON FLORIDA COMMERICAL CODE-2014 TABLE G2428.2(1) FOR TYPE B DOUBLE-WALLED GAS VENT: - 116,000 BTUH GAS PIZA OVEN - HEIGHT FROM TOP OF FLUE VENT TO TOP OF ROOF = 17 FEET PLUS MINIMUM 3 FEET ABOVE ROOF = 20 FEET - PER FIGURE G2427.5.3, TERMINATE FLUE VENT AT 3 FEET ABOVE ROOF LEVEL. COMBUSTION AIR DUCT NOT REQUIRED BASED ON FUEL GAS FBC-2014 304.5.1. SEE TABLE BELOW.
14	COORDINATE EXPOSED DUCT HANGING HEIGHT WITH ARCHITECT PRIOR TO CONSTRUCTION AND INSTALLATION.
15	CONCENTRIC VENT PIPE FROM DIRECT VENT SEALED COMBUSTION WATER HEATER TO ROOF CAP. INSTALL AS PER MANUFACTURER'S INSTRUCTIONS.

NATURAL GAS PIZZA OVEN

COMBUSTION AIR CALCULATION

-KITCHEN

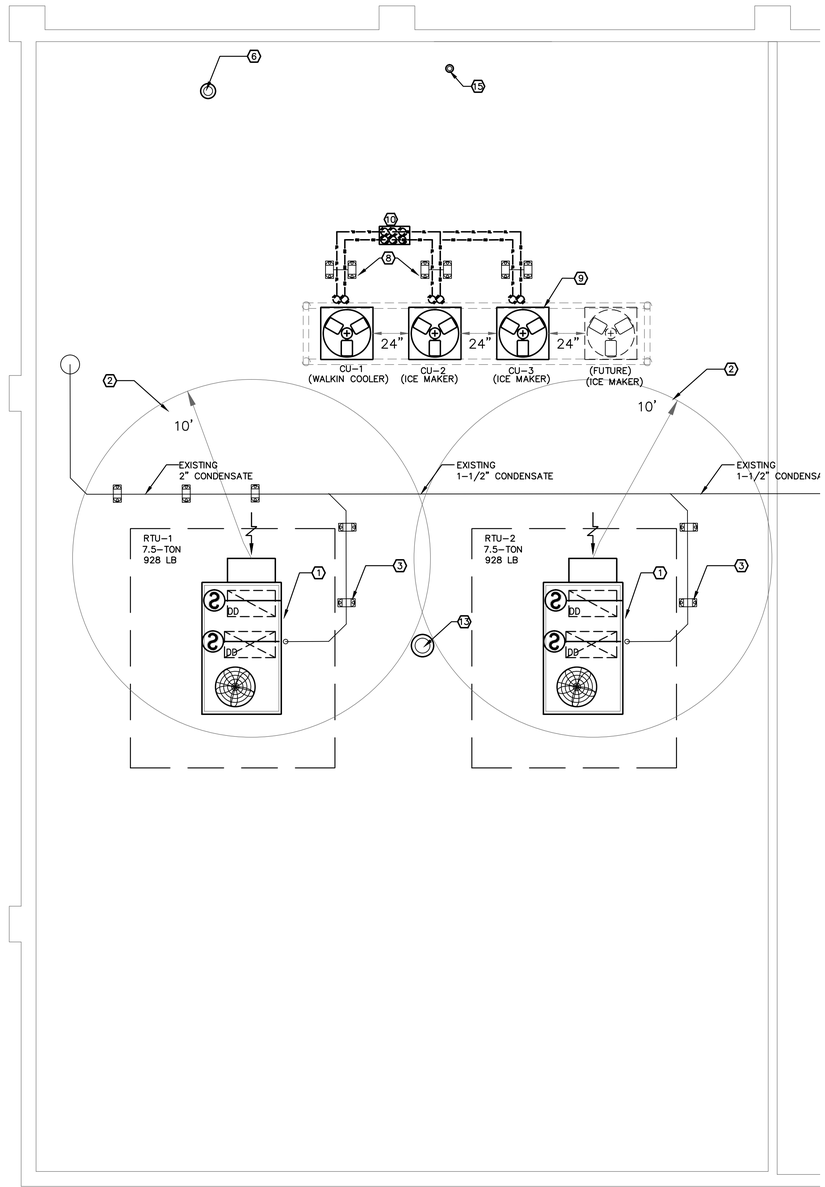
GAS PIZZA OVEN: 116,000 BTU/H

PER FUEL GAS FBC-2014 304.5.1:
COMBUSTION AIR VOLUME REQUIRED =
50 CU.FT./1,000 BTU/H = 5,800 CU.FT.

KITCHEN AREA = 1,259 SQ.FT.
KITCHEN CEILING HEIGHT = 10 FT

KITCHEN VOLUME = 1,259 SQ.FT. x
10 FT = 12,590 CU.FT.

COMBUSTION AIR VOLUME PROVIDED IS GREATER THAN THE REQUIRED.



MECHANICAL ROOF PLAN

1/4" = 1'-0"

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COMM. NO.	16-01
SHEET	M-1
OF	1 3 SHEETS

MECHANICAL A/C UNIT SCHEDULE

		RTU No. 1	RTU No. 2
SYMBOL			
LOCATION		ROOF	ROOF
E.E.R./I.E.E.R.		11.2/13.0	11.2/13.0
MAKE		TRANE	TRANE
MODEL		TSC-092F3	TSC-092F3
NOM. TONS		7.5	7.5
C.F.M.		3,000	3,000
EXT. S.P.		0.5"	0.5"
ENT. AIR TEMP.	DB °F	78.7	78.7
	WB °F	67.2	66.2
AMBIENT AIR °F		91.0	91.0
COOL CAP BTUH	SENSIBLE	72,400	72,400
	TOTAL (NET)	96,650	96,650
HEATING INPUT KW		13.5	6.8
HEATER AMPS		–	–
FAN MOTOR	HP	1.0	1.0
	F.L.A.	3.6	3.6
G.P.M.		–	–
COMPRESSOR MOTOR	NO.	2	2
	R.L.A. (EACH)	14.5/13.6	14.5/13.6
	L.R.A. (EACH)	98.0/83.0	98.0/83.0
CONDENSER FAN	NO.	1	1
	HP (EACH)	3/4	3/4
	F.L.A. (EACH)	4.0	4.0
VOLTS		208	208
PH		3	3
HZ		60	60
M.C.A.		51.4	39.3
M.O.C.P.		60	50
OUTSIDE SUPPLY AIR		600	300
WT LBS.		928	928
BASE UNIT DIMENSIONS W–D–H		53"x88.5"x47"	53"x88.5"x47"
REMARKS		1,2,3,4,5,6,7,8	1,2,3,4,5,6,7,8

1. UNIT TO BE MOUNTED ON EXISTING 14" ROOFTOP UNIT CURB, TRANE MODEL BAYCURB043, 7.5 TON STANDARD EFFICIENCY.
2. TRANE IS THE BASIS FOR DESIGN OR APPROVED EQUIVALENT.
3. ELECTRIC HEAT, 1 STAGE.
4. HEATER AND COMPRESSOR DOES NOT OPERATE CONCURRENTLY.
5. BALANCE OUTDOOR AIR INTAKE DAMPER TO AIR QUANITY SHOWN. PROVIDE MOTORIZED TWO–POSITION OUTDOOR AIR DAMPER TO OPEN WHEN RTU FAN ACTIVATED AND CLOSE WHEN RTU OFF TO COMPLY WITH FLORIDA BUILDING CODE.
6. PROVIDE PROGRAMMABLE ELECTRONIC THERMOSTAT AS SHOWN.
7. PROVIDE PHOTOELECTRIC SMOKE DETECTOR.
8. PROVIDE MANUFACTURER'S RECOMMENDED CLEARANCES FOR ROOFTOP UNIT.

NOTE: AIR CONDITIONING PACKAGE UNITS MAUFACTURED BY YORK, LENNOX, CARRIER WITH SAME VOLUME, EFFICIENCIES AND CAPACITIES ARE CONSIDERED EQUAL.

DUCT MATERIAL LEGEND

SYMBOL	MATERIAL	LINER	SMACNA PRESSURE CLASS	SMACNA SEAL CLASS
	FIBER GLASS	TYPE 475	1"WG	———
	DOUBLE–WALLED METAL	1–1/2"	2"WG	D
	FLEXIBLE	———	———	———
	METAL	1–1/2"	1"WG	D

EXHAUST FAN SCHEDULE

		EF–1,2	EF–3
SYMBOL			
LOCATION		CEILING	CEILING
SERVICE		RESTROOM	RESTROOM
MAKE		GREENHECK	GREENHECK
MODEL		SP–B80	SP–B80
BLOWER DATA	C.F.M.	70	70
	S.P.	0.35	0.35
	TYPE	CEILING EXHAUST	CEILING EXHAUST
	DRIVE	DIRECT	DIRECT
MOTOR DATA MECH	H.P.	54 WATTS	54 WATTS
	R.P.M.	900	900
MOTOR DATA ELEC	V	120	120
	PH	1	1
	HZ	60	60
WT LBS.		12	12
CONNECTION SIZE		6"ø	6"ø
SONES		2.6	2.6
REMARKS		BACKDRAFT DAMPER DISCONNECT SWITCH VIBRATION ISOLATORS. WALL/ROOF CAP INTERLOCK WITH MOTION SENSOR	BACKDRAFT DAMPER DISCONNECT SWITCH VIBRATION ISOLATORS. WALL/ROOF CAP INTERLOCK WITH WALL SWITCH

NOTE: MANUFACTURER MODELS WITH EQUIVALENT AIR FLOW QUANTITES AND FEATURES ARE ACCEPTABLE SUBSTITUTIONS.

AIR DISTRIBUTION SCHEDULE

SYMBOL	SERVICE	DESCRIPTION	MFG. MODEL NO.
A	CEILING SUPPLY REGISTERS	LOUVERED SUPPLY CEILING DIFFUSER. ALUMINUM CONSTRUCTION, FLUSH FACE PANEL FINISH SHALL BE WHITE ENAMEL. 24"x24" MODULE SIZE WITH ROUND NECK SIZES AS SHOWN ON PLANS.	TITUS INDUSTRIES INC. MODEL NO. TDCA–AA
B	RETURN CEILING DIFFUSER	LOUVERED RETURN CEILING GRILLE. ALUMINUM CONSTRUCTION, FLUSH FACE PANEL FINISH SHALL BE WHITE ENAMEL. 3/4" SPACING, SURFACE MOUNTED. 35° DEFLECTION.	TITUS INDUSTRIES INC. MODEL NO. 350–FL
C	CEILING SUPPLY REGISTERS	LOUVERED SUPPLY CEILING GRILLE. ALUMINUM CONSTRUCTION, FLUSH FACE PANEL FINISH SHALL BE WHITE ENAMEL. 3/4" SPACING, SURFACE MOUNTED. 35° DEFLECTION.	TITUS INDUSTRIES INC. MODEL NO. 301–FL
D	SPIRAL DUCT MOUNTED SUPPLY REGISTERS	SPIRAL DUCT MOUNTED SUPPLY GRILLE. ALUMINUM CONSTRUCTION FINISH SHALL BE WHITE ENAMEL. ADJUSTABLE BLADES, SURFACE MOUNTED. DOUBLE DEFLECTION. OPTIONAL EXTRACTOR.	TITUS INDUSTRIES INC. MODEL NO. S300–FL
E	RETURN SIDEWALL REGISTER	LOUVERED RETURN GRILLE. ALUMINUM CONSTRUCTION, FLUSH FACE PANEL FINISH SHALL BE WHITE ENAMEL. 3/4" SPACING, SURFACE MOUNTED. 35° DEFLECTION.	TITUS INDUSTRIES INC. MODEL NO. 350–FL

HVAC DESIGN REQUIRES	YES	NO
DUCT SMOKE DETECTOR	X	
FIRE DAMPERS		X
RADIANT DAMPER		X
FIRE RATED ENCLOSURE		X
FIRE RATED ROOF/FLOOR CEILING ASSEMBLY		X
FIRE STOPPING		X

EXHAUST AIR CALCULATION

AS PER FLORIDA MECHANICAL CODE, TABLE 403.3, EXHAUST AIR REQUIREMENTS ARE:

EF–1, 2 TOILETS

NUMBER OF FIXTURES = 1 TOILET
TOTAL EXHAUST AIR REQUIRED = 1 TOILET X (70 CFM/TOILET) = 70 CFM

OUTDOOR AIR CALCULATION

AS PER FLORIDA MECHANICAL CODE, TABLE 403.3, OUTDOOR AIR REQUIREMENTS ARE:

RTU–1

AREA SERVED = 1,405 SQ.FT.

(DINING)
TOTAL AREA = 1,258 SQ. FT.
TOTAL OCCUPANCY = 47 PEOPLE
TOTAL OUTSIDE AIR = 47 PEOPLE X (7.5 CFM PER PERSON) = 353 CFM
TOTAL OUTSIDE AIR = 1,258 SQ. FT. X (0.18 CFM/FT) = 226 CFM

TOTAL OUTSIDE AIR REQUIRED = 579 CFM
TOTAL OUTSIDE AIR PROVIDED = 600 CFM

RTU–2

AREA SERVED = 1,259 SQ.FT.

(KITCHEN)
TOTAL AREA = 957 SQ. FT.
TOTAL OCCUPANCY = 10 PEOPLE
TOTAL OUTSIDE AIR = 10 PEOPLE X (7.5 CFM PER PERSON) = 75 CFM
TOTAL OUTSIDE AIR = 957 SQ. FT. X (0.18 CFM/FT) = 172 CFM

(OFFICE)
TOTAL AREA = 55 SQ. FT.
TOTAL OCCUPANCY = 1 PEOPLE
TOTAL OUTSIDE AIR = 1 PEOPLE X (5 CFM PER PERSON) = 5 CFM
TOTAL OUTSIDE AIR = 55 SQ. FT. X (0.06 CFM/FT) = 3 CFM

(STORAGE)
TOTAL AREA = 247 SQ. FT.
TOTAL OUTSIDE AIR = 247 SQ. FT. X (0.12 CFM/FT) = 30 CFM

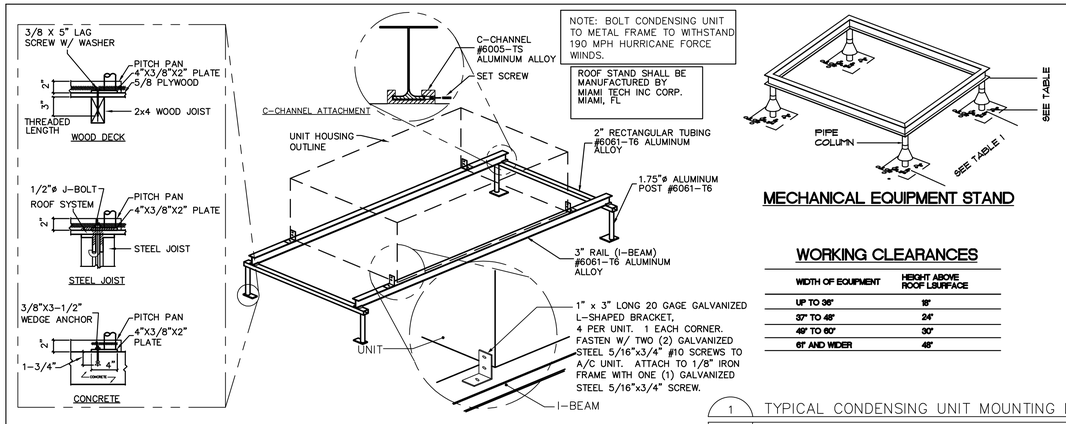
TOTAL OUTSIDE AIR REQUIRED = 285 CFM
TOTAL OUTSIDE AIR PROVIDED = 300 CFM

MECHANICAL NOTES

1. DO NOT SCALE THE DRAWINGS. REFER TO ARCHITECTURAL PLANS FOR ALL DIMENSIONS.
2. COORDINATE EXACT LOCATION OF ALL DIFFUSERS AND RETURNS WITH EXISTING REFLECTED CEILING PLAN.
3. ALL WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FLORIDA BUILDING AND MECHANICAL CODE FBC–2014–MECHANICAL, NFPA–90A, AND LOCAL CODE AMENDMENTS.
4. ALL DAMPER CONTROLS SHALL BE ACCESSIBLE.
5. ALL OUTSIDE AIR DUCTS OR INTAKES SHALL HAVE DAMPERS.
6. ALL VENTILATION DUCTS SHALL BE SHEET METAL, INSTALLED, SEALED AND SUPPORTED IN ACCORDANCE WITH THE LATEST EDITION "SMACNA" LOW VELOCITY DUCT CONSTRUCTION STANDARDS AND DETAILS ON THESE PLANS.
7. ALL EXHAUST DUCTS SHALL BE SHEET METAL, INSTALLED, SEALED AND SUPPORTED IN ACCORDANCE WITH THE LATEST EDITION OF "SMACNA" LOW VELOCITY DUCT CONSTRUCTION STANDARDS AND DETAILS ON THESE PLANS.
8. AIR CONDITIONING SUPPLY & RETURN DUCTS SHALL BE FIBERGLASS TYPE 800 EI INSTALLED, SEALED AND REINFORCED IN ACCORDANCE WITH THE LATEST EDITION OF "NAIMA" FIBROUS GLASS DUCT CONSTRUCTION STANDARDS AND DETAILS ON THESE PLANS. 0–1" STATIC PRESSURE CLASS, (+/–), UNLESS OTHERWISE NOTED. ALL DUCT IN ATTIC SPACE SHALL BE R–6.0 MINIMUM. DUCT WORK BETWEEN FLOOR OR CONDITIONED SPACE SHALL BE R–4.2 MINIMUM. FLEX DUCT R–4.2/6.0 SHALL BE USED IF THERE IS LIMITED SPACE.
9. FLEXIBLE DUCTS SHALL BE R–6.0 MINIMUM UL 181 CLASS 1 CONSTRUCTED WITH A POLYESTER LAMINATED SMOOTH INNER CORE THAT ENCAPSULATES A STEEL WIRE HELIX. THE DOUBLE CORE IS WRAPPED IN A THICK BLANKET OF FIBERGLASS INSULATION AND SHEATHED IN A REINFORCED METALLIZED POLYESTER JACKET.
10. REFRIGERANT PIPING SHALL BE COPPER, REFRIGERATION GRADE, SOFT TEMPER, SEALED AT THE MILL. INSULATE SUCTION PIPE INDOORS: WITH 3/8" IMCOA POLYOLEFIN INSULATION; OUTDOORS: 3/4" IMCOA POLYOLEFIN INSULATION. CIRCULATE DRY NITROGEN THROUGH PIPING WHEN SOLDERING. TEST FOR LEAKS PRIOR TO CHARGING SYSTEM WITH R–22 REFRIGERANT.
11. CONDENSATE DRAINS SHALL BE SCHEDULE 40 PVC PIPING OR COPPER IF LOCATED IN A RETURN AIR PLENUM. INTERIOR CONDENSATE DRAIN PIPING SHALL BE INSULATED WITH 1/2" ARMAFLEX SELF–SEAL.
12. EXPOSED ROUND METAL DUCT WORK SHALL BE LINED WITH CERTAINTEED TOUGHGARD "ULTRA" OR JOHNS–MANVILLE "SPIRACOUSTIC" DUCT LINER 1 (ONE) INCH THICK. ALL DROPS AND FITTINGS SHALL ALSO BE LINED.
13. AS PER 2014 FLORIDA BUILDING CODE–ENERGY CONSERVATION, SECTION 503.2.5.4, BOTH OUTDOOR AIR SUPPLY AND EXHAUST SYSTEMS SHALL BE EQUIPPED WITH DAMPERS THAT WILL AUTOMATICALLY SHUT WHEN THE SYSTEMS OR SPACES SERVED ARE NOT IN USE. VENTILATION OUTSIDE AIR DAMPERS SHALL BE CAPABLE OF AUTOMATICALLY SHUTTING OFF DURING PREOCCUPANCY BUILDING WARMUP, COOLDOWN, AND SETBACK, EXCEPT WHEN VENTILATION REDUCES ENERGY COSTS (E.G., NIGHT PURGE) OR WHEN VENTILATION MUST BE SUPPLIED TO MEET CODE REQUIREMENTS. MOTORIZED DAMPERS SHALL BE NOT LESS THAN A CLASS I LEAKAGE–RATED DAMPER WITH A MAXIMUM LEAKAGE RATE OF 4 CFM PER S.F. AT 1" W.G. WHEN TESTED IN ACCORDANCE WITH AMCA 500D.

MECHANICAL LEGEND

SYMBOL	DESCRIPTION
O.A.	OUTSIDE AIR
O.A.L.	OUTSIDE AIR LOUVER
R.A.	RETURN AIR
S.A.	SUPPLY AIR
T.A.	TRANSFER AIR
E.A.	EXHAUST AIR
C.F.M.	CUBIC FEET PER MINUTE
T	THERMOSTAT
H	HUMIDISTAT
SD	SMOKE DETECTOR
R	REMOTE TEST STATION
FD	UL LISTED FIRE DAMPER
VD	VOLUME DAMPER
BD	BACKDRAFT DAMPER
MVD	MANUAL VOLUME DAMPER
MOD	MOTOR OPERATED DAMPER
	TWIST–IN COLLAR WITH DAMPER
	CEILING DIFFUSER – SUPPLY AIR
	SIDE–WALL DIFFUSER – SUPPLY AIR
	TURNING VANES – SUPPLY AIR
	DISTRIBUTION TRIANGLE – SUPPLY AIR
	FIBERGLASS DUCTWORK – SUPPLY AIR
	EXISTING DUCT WORK
	EXISTING FLEXIBLE DUCT
	NEW METAL OUTDOOR AIR DUCT
EF	CEILING MOUNTED EXHAUST FAN



NOTE: BOLT CONDENSING UNIT TO METAL FRAME TO WITHSTAND 190 MPH HURRICANE FORCE WINDS.

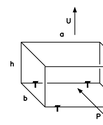
ROOF STAND SHALL BE MANUFACTURED BY MIAMI TECH INC CORP. MIAMI, FL

1 M–2 TYPICAL CONDENSING UNIT MOUNTING DETAIL
NTS

MECHANICAL EQUIPMENT STAND

WORKING CLEARANCES

WIDTH OF EQUIPMENT	HEIGHT ABOVE ROOF SURFACE
UP TO 36"	18"
37" TO 48"	24"
49" TO 60"	30"
61" AND WIDER	48"



WIND LOADS ARE BASED ON ASCE 7–2010 USING A BASIC WIND SPEED EQUAL TO 190 MPH, AN IMPORTANTANCE FACTOR OF 1.0, AND EXPOSURE "C".

A/C UNIT DATA
h = 33" = 2.8'
a = 43" = 3.6'
b = 31" = 2.6'
w = 291 lbs
n_{bolt} 4 (# of bolts)

WIND LOAD
ROOF ELEVATION: 60'
WIND PRESSURE @ H = 37.2 lbs/ft (gh) (190mph)
C_f = 1.62
$W_w = gh \times C_f = 60 \text{ lbs/ft}^2$

HORIZONTAL WIND FORCE
$P = W_w \times h \times a = 605 \text{ lbs/ft}^2$

UPLIFT WIND FORCE
$U = W_w \times b \times a = 562 \text{ lbs/ft}^2$

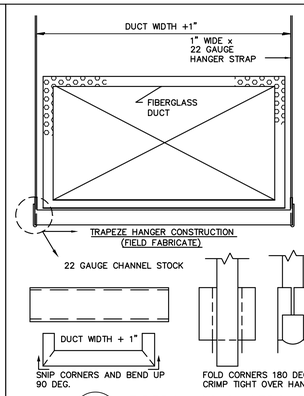
TOTAL LOAD ON CONNECTIONS
$T = [(P \times h/2 + U \times a/2) - w \times a/2] \times 1/a = 378 \text{ lbF}$

CHECK BOLT SHEAR
$V_{max} = P / n_{bolt} = 605 / 4 = 246 \text{ lbs}$

CHECK BOLT CAPACITY
$V_{max} = T / n_{bolt} = 378 / 4 = 95 \text{ lbs}$

USE FOUR (4) 5/16"x3/4" #10 PLATED SELF DRILLING SCREWS (PULL OUT = 250 lbs, SHEAR = 700 lbs)

AIR COOLED CONDENSER LOADS
N.T.S



2 M–2 FIBERGLASS DUCTBOARD HANGER DETAIL
NTS

HANGER SIZES FOR RECTANGULAR DUCTS (PER SMACNA FIBROUS GLASS DUCT CONSTRUCTION STANDARDS)

DUCT SIZE	HANGER	MAX. SPACING
48" AND LARGER WIDTH OR HEIGHT	1" x 22" GAGE STRAP	4'–0"
LESS THAN 48" WIDE AND LESS THAN 48" HIGH	1" x 22" GAGE STRAP	6'–0"
WIDTH BETWEEN 28" AND 48" AND GREATER THAN 16" HIGH	1" x 22" GAGE STRAP	6'–0"
LESS THAN 8" WIDE AND 16" HIGH	1" x 22" GAGE STRAP	8'–0"

CHANNEL SELECTION

IF TOTAL EXTENSION IS NOT GREATER THAN	MIN. CHANNEL GAGE	MIN. CHANNEL PROFILE
6"	24	3" X 1.5"
18"	22	3" X 2"
30"	18	3" X 2"

REVISIONS	BY

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INTERIOR IMPROVEMENTS
FIRED UP PIZZA
8170 OKEECHOBEE BLVD. – SUITES 1 & 2
SEDONA COMMONS – BUILDING #7
WEST PALM BEACH, FLORIDA

DRAWN	MB
CHECKED	MB
DATE	APRIL 26, 2016
SCALE	AS NOTED
COMM. NO.	16–07
SHEET	M–2
OF	2 3 SHEETS

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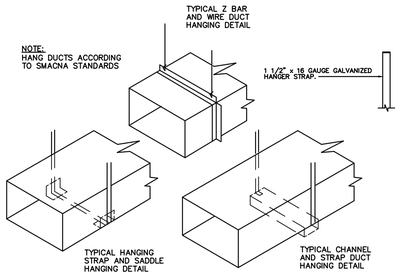
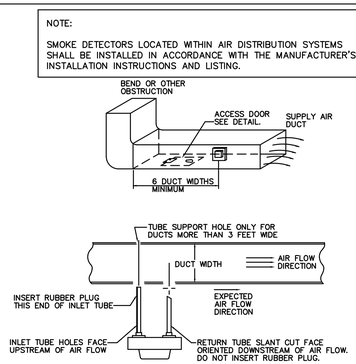
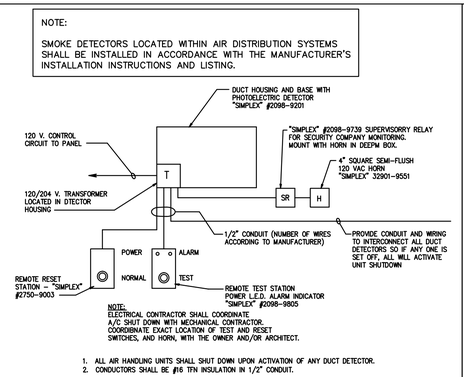


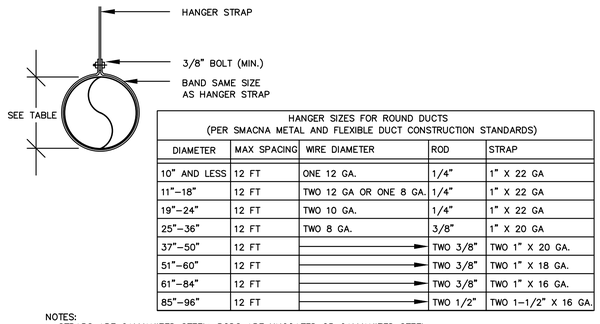
1 DUCT HANGING METHODS DETAIL
M-3 NTS



2 TYPICAL DUCT DETECTOR INSTALLATION
M-3 NTS



3 A/C UNIT DUCT DETECTOR DETAIL
M-3 NTS

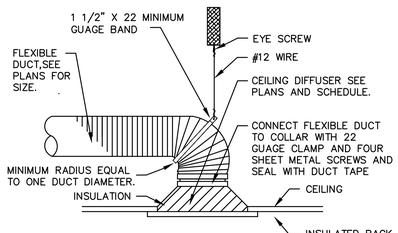


HANGER SIZES FOR ROUND DUCTS
(PER SMACNA METAL AND FLEXIBLE DUCT CONSTRUCTION STANDARDS)

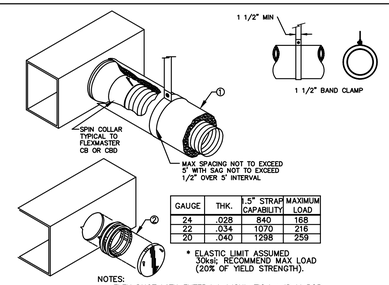
DIAMETER	MAX SPACING	WIRE DIAMETER	ROD	STRAP
10" AND LESS	12 FT	ONE 12 GA.	1/4"	1" X 22 GA
11"-18"	12 FT	TWO 12 GA OR ONE 8 GA.	1/4"	1" X 22 GA
19"-24"	12 FT	TWO 10 GA.	1/4"	1" X 22 GA
25"-36"	12 FT	TWO 8 GA.	3/8"	1" X 20 GA
37"-50"	12 FT	→	TWO 3/8"	TWO 1" X 20 GA.
51"-60"	12 FT	→	TWO 3/8"	TWO 1" X 18 GA.
61"-84"	12 FT	→	TWO 3/8"	TWO 1" X 16 GA.
85"-96"	12 FT	→	TWO 1/2"	TWO 1-1/2" X 16 GA.

NOTES:
- STRAPS ARE GALVANIZED STEEL: RODS ARE UNCOATED OR GALVANIZED STEEL.
- WIRE IS BLACK ANNEALED, BRIGHT BASIC OR GALVANIZED STEEL. ALL ARE ALTERNATES.
- TABLES ALLOW FOR CONVENTIONAL WALL THICKNESS, AND JOINT SYSTEMS PLUS 1 LB/SQ.FT. INSULATION WEIGHT.
- IF HEAVIER DUCTS ARE TO BE INSTALLED, ADJUST HANGER SIZES TO BE WITHIN THEIR LOAD LIMITS.

4 METAL ROUND DUCT HANGING DETAIL
M-3 NTS



5 DIFFUSER DETAIL
M-3 NTS

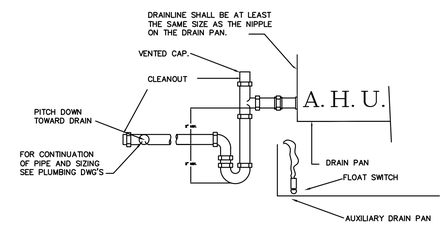


GAUGE	THK.	.5" STRAP CAPABILITY	MAXIMUM LOAD
24	.028	840	168
22	.034	1070	216
20	.040	1298	259

* ELASTIC LIMIT ASSUMED. 30lbs/ft RECOMMEND MAX LOAD (20% OF YIELD STRENGTH).

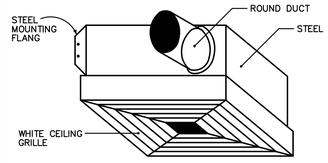
NOTES:
1. FLEX DUCT WITH EXTERNAL INSULATION AND VAPOR BARRIER JACKETING TYPICAL TO "FABRIFLEX"
2. "INSPECTOR SERIES" SPIN DOORS

6 SUPPORT REQUIREMENTS FOR FLEX DUCT
M-3 NTS



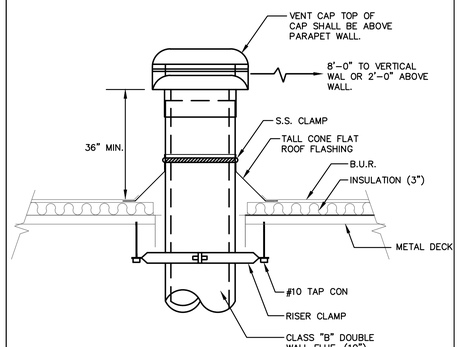
NOTE:
MECHANICAL CONTRACTOR WILL COORDINATE WITH PLUMBING CONTRACTOR CONDENSATE SYSTEM INSTALLATION (TO BE PROVIDED AND INSTALLED BY PLUMBING CONTRACTOR)

7 TYPICAL CONDENSATE DRAIN TRAP DETAIL
M-3 NTS



NOTES:
1. PROVIDE BACKDRAFT DAMPER W/ BIRDSCREEN
2. FLASH & SEAL WALL AND ROOF CAP
3. PROVIDE INTERNAL ISOLATION AND SOUND INSULATION
4. SUPPORT FAN FROM STRUCTURE
5. UNIT MOUNTED MOTION SENSOR.

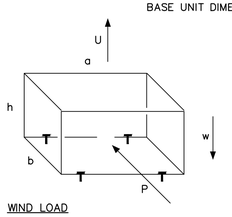
8 CABINET EXHAUST DETAIL
M-3 NTS



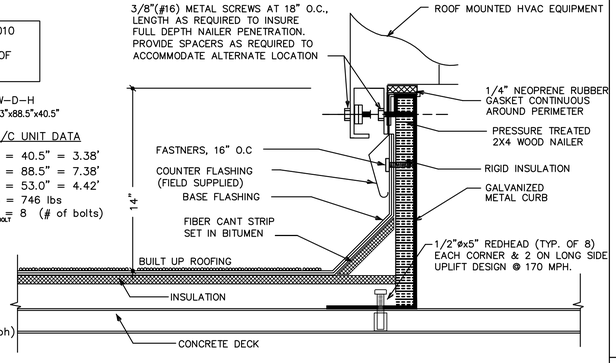
9 GAS FLUE CAP DETAIL
M-3 NTS

WIND LOADS ARE BASED ON ASCE 7-2010 USING A BASIC WIND SPEED EQUAL TO 190 MPH, AN IMPORTANTANCE FACTOR OF 1.0, AND EXPOSURE "C".

BASE UNIT DIMENSIONS W-D-H
53"x88.5"x40.5"



A/C UNIT DATA
h = 40.5" = 3.38'
a = 88.5" = 7.38'
b = 53.0" = 4.42'
w = 746 lbs
n_{BOLT} = 8 (# of bolts)



WIND LOAD
ROOF ELEVATION: 15'
WIND PRESSURE @ H = 37.2 lbs/ft²(gh) (190mph)
C_F = 1.21

W_w = gh x C_F = 45.0 lbs/ft²

HORIZONTAL WIND FORCE

P = W_w x h x a = 1,122 lbs/ft²

UPLIFT WIND FORCE

U = W_w x b x a = 1,467 lbs/ft²

TOTAL LOAD ON CONNECTIONS

T = [(P x h/2 + U x a/2) - w x a/2] x 1/a = 617 lbF

CHECK BOLT SHEAR

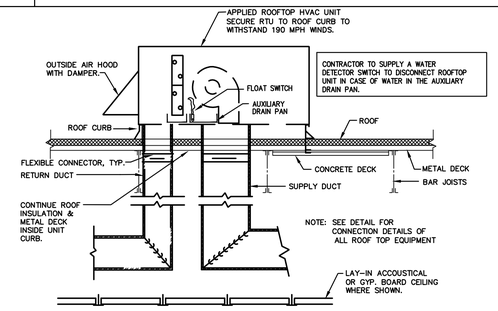
V_{BOLT} = P / n_{BOLT} = 1,122 / 8 = 140.3 lbs

CHECK BOLT CAPACITY

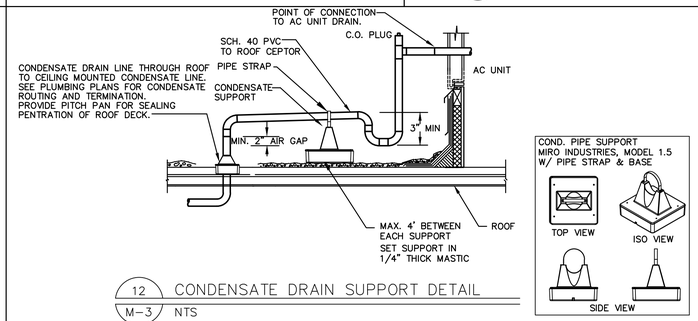
$V_{c_{BOLT}}$ = T / n_{BOLT} = 617/ 8 = 77.1 lbs

USE EIGHT (8) 3/8"x 1-1/2"METAL SCREWS (PULL OUT = 250 lbs, SHEAR = 700 lbs)

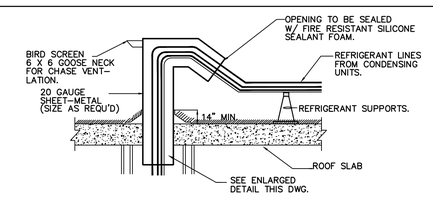
10 HVAC EQUIPMENT ROOF CURB MOUNTING DETAIL
M-3 NTS



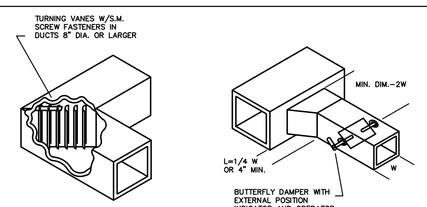
11 ROOFTOP PACKAGE UNIT DETAIL
M-3 NTS



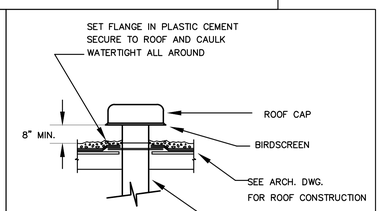
12 CONDENSATE DRAIN SUPPORT DETAIL
M-3 NTS



13 PIPING THROUGH ROOF DECK DETAIL
M-3 NTS



14 TYPICAL DUCT DETAIL
M-3 NTS



15 ROOF CAP DETAIL
M-3 NTS

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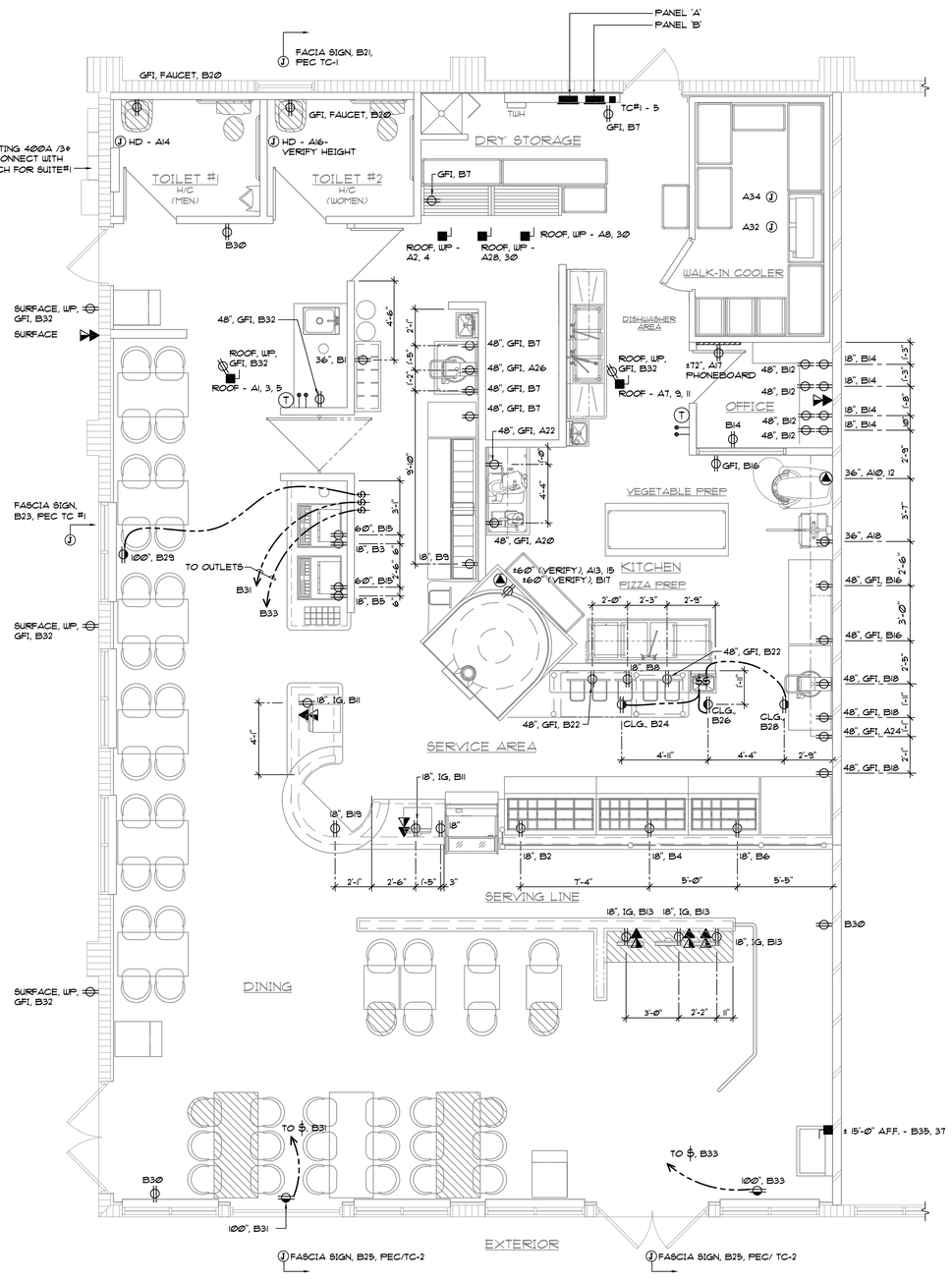
INTERIOR IMPROVEMENTS
FIRED UP PIZZA
8170 OKEECHOBEE BLVD. - SUITES 1 & 2
SEDONA COMMONS - BUILDING #7
WEST PALM BEACH, FLORIDA

DRAWN	MB
CHECKED	MB
DATE	APRIL 26, 2016
SCALE	AS NOTED
COMM. NO.	16-07
SHEET	M-3
OF	3 3 SHEETS



POWER PLAN

1/4" = 1'-0"

ELECTRIC LEGEND

- NEW QUADPLEX FLOOR OUTLET - GFI
- NEW DUPLEX OUTLET (TOP 1/2 SWITCHED)
- NEW DUPLEX OUTLET - 18" A.F.F. U.O.N. TO CENTER U.O.N.
- NEW QUADPLEX OUTLET - 18" A.F.F. U.O.N. TO CENTER U.O.N.
- NEW DATA JUNCTION BOX AT 18" A.F.F. U.O.N. WITH ¾" CONDUIT TO ABOVE CEILING AND PULL WIRE (IN FLOOR PIER PLAN).
- NEW TELEPHONE JUNCTION BOX AT 18" A.F.F. U.O.N. WITH ¾" ø CONDUIT TO ABOVE CEILING AND PULL WIRE (IN FLOOR PIER PLAN)
- JUNCTION BOX
- NEW SWITCH
- NEW DIMMER SWITCH
- NEW DISCONNECT (NEMA 3R AT EXTERIOR)
- NEW CABLE TV BOX WITH ¾"ø CONDUIT TO ABOVE CEILING, WITH PULL WIRE - VERIFY HEIGHT
- NEW THERMOSTAT
- NEW DUCT DETECTOR DEVICE
- SPEAKER AT CEILING ABOVE

NOTES: 1) HEIGHTS SHOWN ARE TO CENTER OF DEVICE.

ELECTRICAL NOTES:

1.) All electrical work shall comply with the 2014 Florida Building Code, and the 2011 National Electrical Code with local amendments.
2.) Provide typewritten panel directory to indicate panel circuiting.
3.) Verify proper disconnect switches for A/C units. Sized per nameplate.
4.) All electrical equipment exposed to the weather shall be weatherproof.
5.) The electrical sub-contractor shall be responsible for full coordination of this work with that of the general contractor and the other sub-contractors.
6.) Provide architect with as-built drawings.
7.) Provide a guarantee against defective workmanship, materials and equipment for a period of one year from the date of final acceptance by the owner.
8.) All power and control wiring shall be by the electrical sub-contractor. All wiring shall be in conduit. Control wiring as directed by A/C sub-contractor.
9.) Electrical contractor shall be responsible for all applicable fees, taxes, and permits.
10.) All wiring devices shall be U.L. listed and new.
11.) All conduit shall be Schedule 80 PVC where exposed to physical damage as required by code. EMT may be used indoors, where not subject to abuse. Schedule 40 PVC may be used underground and where not exposed to physical damage per Code.
12.) All wire shall be copper #12 and smaller shall be solid THWN. #10 and larger shall be stranded THWN. Control wiring shall be #14 THHN.
13.) IG denotes isolated ground.
14.) All circuit breakers shall be plug in type. Down stream circuit breakers shall be series rated with main breaker.
15.) Furnish service disconnects for all air-conditioning/mechanical units. Verify breaker sizes with mechanical contractor required sizes.
16.) W.P. denotes weatherproof. Weatherproof receptacle covers shall be equal to GE 9231-9 series.
17.) Install receptacles at 18" A.F.F. to center of box unless otherwise noted.
18.) All work shall be concealed unless otherwise noted.
19.) **'S'** denotes surface mounted outlet.
20.) All wiring shall be concealed unless otherwise noted.
21.) Burglar alarm system is not in contract. Coordinate all conduits and labeling of tenant's data system prior to construction.
22.) Switches and outlets, with covers, shall be "Standard" style. Color shall be white. Copper plates at Kitchen shall be brushed chrome.
23.) Contractor shall wire thermostats.
24.) GFI units shall have GFI feature built into unit.
25.) New phone board shall be ¾" X 24" X 36" fire retardant plywood. Top at 8'-11" A.F.F. Ground phone board per N.E.C. Conduit shall be 1"ø.
26.) Low voltage wiring for phones & data is not in contract (N.I.C.),
27.) Time clocks shall be Intermatic T100 series 40 AMP, Type 1 (110 Volt).
28.) Fascia sign company shall furnish/install PEC at signs. Verify locations in field prior to construction.
29.) **Coordinate all equipment electrical requirements with manufacturer prior to construction.**
20.) **NO FIRE ALARM AT THIS PROJECT.**

NEW PANELBOARD SCHEDULE 'A'

BUS AMP A	B	C	LOAD DESCRIPTION		POLE	TRIP	#		#	TRIP	POLE	LOAD DESCRIPTION		BUS AMP A	B	C
51			A/C #1	#6,3/4"	3	60	1		2	20	2	WIC. COMPRESSOR	#12,1/2"	12		
	51		---		---	---	3		4	---	---	---			12	
		51	---		---	---	5		6	20	2	ICEMAKER CONDENSER	#12,1/2"			11
39			A/C #2	#6,3/4"	3	50	7		8	---	---	---		11		
	39		---		---	---	9		10	20	2	DOUGH MIXER	#12,1/2"		10	
		39	---		---	---	11		12	---	---	---				10
15			PIZZA OVEN	#12,1/2"	2	25	13		14	20	1	HAND DRYER	#12,1/2"	10		
	15		---		---	---	15		16	20	1	HAND DRYER	#12,1/2"		10	
		6	PHONEBOARD	#12,1/2"	1	20	17		18	20	1	DOUGH MIXER	#12,1/2"			8
			PANEL 'B'	#3/0, 2"	3	200	19		20	20	1	FOOD PROCESSOR	#12,1/2"	10		
			---		---	---	21		22	20	1	SLICER	#12,1/2"		5	
			---		---	---	23		24	20	1	DOUGH PRESS	#12,1/2"			13
							25		26	20	1	DOUGH PRESS	#12,1/2"	13		
							27		28	20	2	ICE CONDENSOR	#12,1/2"		11	
							29		30	---	---	---				11
							31		32	20	1	W.I.C. FCU	#12,1/2"	12		
							33		34	20	1	W.I.C. LIGHTS	#12,1/2"		5	
							35		36	20	1	SPARE	#12,1/2"			
							37		38	20	1	SPARE	#12,1/2"			
							39		40	20	1	SPARE	#12,1/2"			

RATED VOLTAGE: ■ VERIFY 120/208 ☐ 120/240 ☐ 277/480 3 PHASE 4 WIRE POLES: ☐ 12 ☐ 20 ☐ 30 ■ 40
RATED AMPS: ☐ 100 ☐ 150 ☐ 200 ☐ 225 ■ 400 MOUNT: ☐ SURFACE ■ FLUSH
FULL NEUTRAL BUS ■ GROUND BUS ☐
☐ BOLT-IN TYPE ■ PLUG-IN TYPE FEED IS TO BE: ■ BOTTOM ☐ TOP
■ MAIN LUG ONLY ☐ MAIN CIRCUIT BREAKER _____ AMPS
All breakers must be rated to interrupt a short circuit ISC of 22,000 amps symmetrical (Series rated with main)
Approved Manufacturers-Square "D" or equal.

NEW PANELBOARD SCHEDULE 'B'

BUS AMP A	B	C	LOAD DESCRIPTION		POLE	TRIP	#		#	TRIP	POLE	LOAD DESCRIPTION		BUS AMP A	B	C
20			BAG-IN-BOX	#10,3/4"	1	30	1		2	20	1	DROP-IN COLD PAN	#12,1/2"	9		
	10		SODA DISPENSER	#12,1/2"	1	20	3		4	20	1	DROP-IN COLD PAN	#12,1/2"		9	
		10	SODA DISPENSER	#12,1/2"	1	20	5		6	20	1	DROP-IN COLD PAN	#12,1/2"			9
7.5			GFI RECEPTACLES	#12,1/2"	1	20	7		8	20	1	UC REF. (FUTURE)	#12,1/2"	5		
	12		RECEPTACLES	#12,1/2"	1	20	9		10	25	1	DISPLAY CASE	#12,1/2"		15	
		6	P.O.B. - IG	#12,1/2"	1	20	11		12	20	1	GENERAL RECEP.	#12,1/2"			6
6			P.O.B. - IG	#12,1/2"	1	20	13		14	20	1	GENERAL RECEP.	#12,1/2"	9		
	6		2 ICEMAKERS	#12,1/2"	1	20	15		16	20	1	GFI RECEPTACLES	#12,1/2"		6	
		5	PIZZA OVEN	#12,1/2"	1	20	17		18	20	1	GFI RECEPTACLES	#12,1/2"			6
5			RECEPTACLE	#12,1/2"	1	20	19		20	20	1	FAUCETS - GFI	#12,1/2"	6		
	10		FASCIA SIGN-NOTE #1	#12,1/2"	1	20	21		22	20	1	GENERAL RECEP. - GFI	#12,1/2"		3	
		10	FASCIA SIGN-NOTE #1	#12,1/2"	1	20	23		24	20	1	CEILING RECEPTACLES	#12,1/2"			6
10			FASCIA SIGN-NOTE #2	#12,1/2"	1	20	25		26	20	1	CEILING RECEPTACLES	#12,1/2"	6		
	10		FASCIA SIGN-NOTE #2	#12,1/2"	1	20	27		28	20	1	CEILING RECEPTACLES	#12,1/2"		6	
		10	SHOW-WINDOW	#12,1/2"	1	20	29		30	20	1	GENERAL RECEPTACLES	#12,1/2"			7.5
10			SHOW-WINDOW	#12,1/2"	1	20	31		32	20	1	GFI RECEPTACLES	#12,1/2"	6		
	10		SHOW-WINDOW	#12,1/2"	1	20	33		34	20	1	LIGHTS - T/C #3	#12,1/2"		8	
		38	TUH	#8,3/4"	2	40	35		36	20	1	LIGHTS - T/C #4	#12,1/2"			10
38			---		---	---	37		38	20	1	LIGHTS - T/C #5	#12,1/2"	10		
			SPARE	#12,1/2"	1	20	39		40	20	1	LIGHTS	#12,1/2"			10

RATED VOLTAGE: ■ VERIFY 120/208 ☐ 120/240 ☐ 277/480 3 PHASE 4 WIRE POLES: ☐ 12 ☐ 20 ☐ 30 ■ 40
RATED AMPS: ☐ 100 ☐ 150 ■ 200 ☐ 225 MOUNT: ☐ SURFACE ■ FLUSH
FULL NEUTRAL BUS ■ GROUND BUS ☐
☐ BOLT-IN TYPE ■ PLUG-IN TYPE FEED IS TO BE: ■ BOTTOM
■ MAIN LUG ONLY ☐ MAIN CIRCUIT BREAKER _____ AMPS
All breakers must be rated to interrupt a short circuit ISC of 22,000 amps symmetrical (Series rated with main)
Approved Manufacturers-Square "D" or equal - Load center

PANEL 'B' NOTES:
1.) THRU PEC & T/C #1.
2.) THRU PEC & T/C #2.

ELECTRICAL LOAD CALCULATIONS:

NEW PANEL 'A'

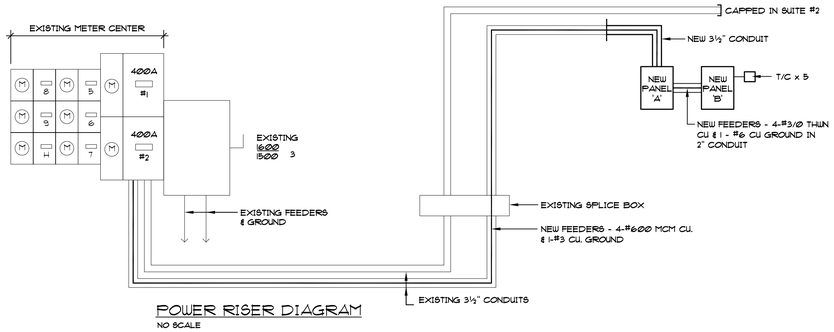
A/C #1	18,360 Watts
A/C #2	14,000
Pizza Oven	3,120
W.I. Cooler Compressor	2,500
Icemaker Compressor	2,300
Icemaker Compressor	2,300
Dough Mixer	7,000
2 Hand Dryers @ 1,200 Watts	2,400
Dough Divider	960
Slicer	600
2 Dough Presses @ 1,500 Watts	3,000
W.I. Cooler Evaporator & Lights	1,870
Phoneboard	720
Panel 'B'	44,975
TOTAL =	104,05 Watts
	360 = 289 AMPS

New Panel Shall Be 400 AMP/3ø

NEW PANEL 'B'

Bag-In- Box	2,400 Watts
Soda Dispenser - 2 @ 1,200 Watts	2,400
Prep table	1,440
POS	1,440
Icemakers - 2 @ 720 Watts	1,440
Pizza Oven Connection	600
Dedicated Receptacle	600
Fascia Signs - 4 @ 1,200 Watts	4,800
Show Windows - 3 @ 1,200 Watts	3,600
Drop-In Cold Pan - 3 @ 1,080 Watts	3,240
UC Refrigerator	600
Display Case	1,650
General Receptacles - 32 @ 180 Watts	5,760
Power Activated Faucets	720
Ceiling Receptacles - 3 @180 Watts	2,160
Lights - 3,300 Watts X 1.25	4,125
Tankless Water Heater	8,000
TOTAL =	44,975 Watts
	360 = 125 AMPS

New Panel Shall Be 200 AMP/3ø



POWER RISER DIAGRAM

NO SCALE

POWER RISER NOTES:
1.) Verify electrical service entrance, meter, and disconnect service prior to construction.
2.) Conduits not associated with this project not shown.

APRIL 21, 2016

REVISIONS	BY

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ARCHITECTS
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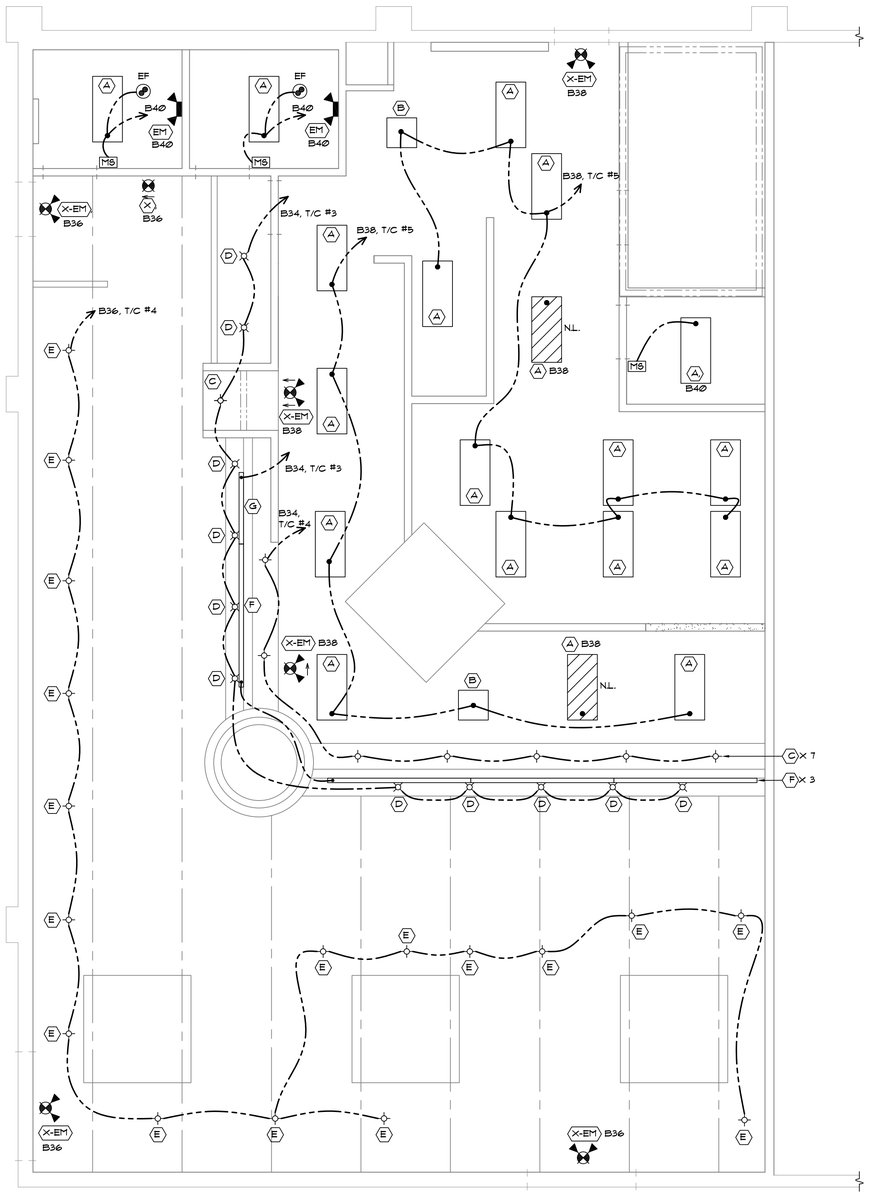
INTERIOR IMPROVEMENTS
FIRED UP PIZZA
8170 OKEECHOBEE BLVD. - SUITES 1 & 2
SEDONA COMMONS - BUILDING #7
WEST PALM BEACH, FLORIDA

DRAWN	GWT
CHECKED	KUOPPALA
DATE	APRIL 21, 2016
SCALE	AS NOTED
COMM. NO.	16-07
SHEET	E-1
OF	2 SHEETS



LIGHTING PLAN

1/4" = 1'-0"

LIGHT FIXTURE SCHEDULE

MARK	DESCRIPTION
A	CREE 24 - 40L - 35K - S (2' X 4' LED troffer) with 44W LED array, 3500K lamp, UNV (44 watts).
B	CREE 22-20L-35K-S (2' X 2' LED troffer) with 22 W LED array, 3500K lamp, UNV (22 watts).
C	CREE LR-6-DR1000-GU24/RC6 (6"ø LED downlight) with 13 W LED array, 3500K lamp - 120 V.
D	Pendant fixture furnished by owner. Bottom of fixture at minimum 7'-0" A.F.F. - Note #4 (50 watts maximum).
E	Pendant fixture furnished by owner. Bottom of fixture at minimum 7'-0" A.F.F. - Note #5 (50 watts maximum).
F	Lithonia TZL1N-L96-6000 LM-FST-MVOLT-35K-80CRI-WH - Mount on top of soffit - Note #6 (22 watts).
G	Lithonia ZL1N-L48-3500LM-FST-MVOLT-35K-80CRI-WH. Mount on top of soffit - Note #6 (22 watts).
X	Beghelli VA 4-R-SA exit sign with LED bulbs, 90 minute battery & white finish (2).
EM	Beghelli DECO 6 dual head emergency fixture with two 5.4 WATT bulbs, 90 minute battery & white finish (2).
X-EM	Beghelli APE-R-U-W-AT Exit/Emergency fixture with LED bulbs, 90 minute battery, white finish and side mount heads (2).

NOTES:
1.) Substitutions shall be approved by architect and owner prior to construction.
2.) Wire Exit and Emergency lights to general lighting circuit serving the area, ahead of switches.
3.) Motion sensors shall shut lights off after 30 minutes of no occupancy.
4.) Contractor shall install owner furnished light fixtures. Mount at soffit. Verify height with owner.
5.) Contractor shall install owner furnished light fixtures. Mount from roof structure. Verify height with owner.
6.) See Sections C, D, E/A-3.
7.) N.L. denotes night light - bulb always on.

MOTION SENSOR CHART:

MS (Wall)	Sensor Switch WSD-PDT: 48" A.F.F. to center (line voltage) - white.
MS#1 (CLG.)	Sensor Switch CMRB-10-PDT (line voltage) - white

NOTES:
1.) Wall mounted units shall be at 48" A.F.F.

ENERGY CODE COMPLIANCE NOTE (2014 FBC):

DRAWINGS:
Within 30 days after the date of system acceptance, record drawings of the actual installation shall be provided by the contractor to the building owner, including:
1.) A single-line diagram of the building electrical distribution system, and
2.) Floor plans indicating the location and area served for all distribution.

MANUALS:
An operating manual and maintenance manual shall be provided by the contractor to the building owner. The manuals shall include, at a minimum, the following:
1.) Submittal data stating equipment rating and selected options for each piece of equipment requiring maintenance.
2.) Operation manuals and maintenance manuals for each piece of equipment requiring maintenance. Required routine maintenance actions shall be clearly identified.
3.) Names and addresses of at least one qualified service agency.

VOLTAGE DROP:
1.) Branch circuit conductors are sized for maximum 3% at design load.
2.) Feeder conduits are sized for maximum 2% at design load.

LIGHTING:
1.) General lighting levels conform to 2014 FBC Table C405.5.2 (2)

APRIL 21, 2016

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INTERIOR IMPROVEMENTS

FIRED UP PIZZA

8170 OKEECHOBEE BLVD. - SUITES 1 & 2
SEDONA COMMONS - BUILDING #7
WEST PALM BEACH, FLORIDA

DRAWN	GWT
CHECKED	KUOPPALA
DATE	APRIL 21, 2016
SCALE	AS NOTED
COMM. NO.	16-07
SHEET	E-2
OF	2 SHEETS