

GLENN R. RAHN, ARCHITECT

7580 48th St SE

Grand Rapids, MI 49512

(P) 616-634-2253 (F) 616-803-1012

glenn@rdc-llc.co

May 18, 2016

Grove City Ohio
Grove City Planning Commission
Development Department
4035 Broadway
Grove City, OH 43123
614-277-3004

Re: Narrative description of the Marco's Pizza Pick-Up window project located at 3057 Turnberry Court Grove City, OH 43123.

This narrative is written for the purpose of the Special Use Permit needed to utilize the existing pick-up window at 3057 Turnberry Court Grove City, OH 43123. It is not for any other parts of the project, which is a tenant finishes in the existing space which was an old Italian/Pizza Restaurant. It is only to describe the purpose of the existing pick-up window.

The project will involve no alterations to the existing pick-up window nor any alterations to the existing road way that serves this pick-up window. The current window was previously approved for the use we are intending for it when it was being used by the previous tenant.

The scope of work will only be to clean up and repair as needed the existing pick-up window. There will not be any additional signs or menu boards installed. People will call in their order and then let the staff know that they intend to pick up their order using the pick-up window. There will not be any orders taken at this window since it is only for pick up.

That is the complete description of the project and hope this serves the requirement of sending a description of the project. If more is needed, please contact either myself or my Project Manager, Ed Braden at 616-238-3324, ed@accurateretailservices.com.

Sincerely,



Glenn R. Rahn
Architect

Cc: Ed Braden, Owner, Landlord





Grove City, OH

SCHEDULE OF RESPONSIBILITY

NOTE: TYPICAL BUILD OUT SCHEDULE OF RESPONSIBILITY SHOWN FOR REFERENCE ONLY. ITEMS LISTED BELOW ARE SUBJECT TO CHANGE PER LEASE AGREEMENT AND EXISTING CONDITIONS. A LOCATION - SPECIFIC SCHEDULE SHOULD APPEAR ON THE COVER SHEET OF THE CONSTRUCTION DOCUMENTS.

		EXISTING TO REMAIN	FURNISH / INSTALL	CONTRACTOR	MARCO'S OWNER	VENDOR
FLOOR WORK AND DEMO	SAWCUT SLAB FOR NEW IN-FLOOR PLUMBING		•	•		
	REPAIR, LEVEL AND SLOPE FOR FINISHES/TRANSITIONS		•	•		
	REMOVE EXISTING INTERIOR WALLS/FINISHES, IF ANY		•	•		
FLOOR COVERING	CERAMIC TILE, BASE AND GROUT		•	•		
	QUARRY TILE, BASE AND GROUT		•	•		
DEMISING WALLS	FRAMING		•	•		
	U.L. PENETRATION CAULKING AT RATED ASSEMBLIES		•	•		
	INSTALL GYP. / FIRE RATED PLYWOOD ON WALLS		•	•		
STOREFRONT	DOORS		•	•		
	PATCH/REPAIR EXISTING & FINISH TO MATCH EXISTING NEW PICKUP WINDOW		•	•		
SIGNAGE	EXTERIOR SIGN (SEPARATE PERMIT)			•	•	
	MENU BOARDS			•	•	
	INTERIOR WALL GRAPHICS			•	•	
INTERIOR PARTITIONS	FRAMING, FIRE RATED PLYWOOD & GYP. BOARD		•	•		
	F.R.P. PANELS		•	•		
	WAINSCOTS AND TILE WALL		•	•		
	PAINTING OR STAINING		•	•		
	GYP. BOARD CEILING AND SOFFIT		•	•		
	LAY-IN CEILING w/ SUSPENSION SYSTEM		•	•		
	DOORS, FRAMES, & HARDWARE		•	•		
MENU BOARD SOFFIT		•	•			
FURNISHING / EQUIPMENT	MILLWORK VERIFY WITH OWNER PRIOR TO BIDDING			•	•	
	COUNTERS VERIFY WITH OWNER PRIOR TO BIDDING			•	•	
	FURNITURE			•	•	
	KITCHEN EQUIPMENT EXHAUST HOOD			•	•	
HVAC	R.T.U. or FURNACE & COND. w/ SUSPENSION / MOUNTING		•	•		
	WIRING AND CONNECTIONS		•	•		
	DUCTWORK, DAMPERS & GRILLES		•	•		
	THERMOSTATS & CONTROLS		•	•		
	CONTROL WIRE (LOW VOLTAGE) TOILET EXHAUST FAN		•	•		
PLUMBING	WATER SERVICE TO SPACE		•	•		
	WATER PIPING IN SPACE		•	•		
	FINAL CONNECTIONS		•	•		
	HVAC CONNECTIONS		•	•		
	GAS PIPING		•	•		
	WATER HEATER		•	•		
	PLUMBING FIXTURES GREASE INTERCEPTOR		•	•		
ELECTRICAL	ELECTRICAL SERVICE TO SPACE		•	•		
	ELECTRICAL PANEL OR PANELS		•	•		
	TELEPHONE PANELS		•	•		
	EQUIPMENT ROUGH-IN & FINISH		•	•		
	LIGHT FIXTURES, MOUNTING ACCESSORIES, & LAMPS		•	•		
	EXIT/EMERGENCY LIGHT SYSTEM		•	•		
	ALARM SYSTEM		•	•		
	P.O.S. CONDUIT, JACKS, & CABLE (CAT5e)		•	•		
	P.O.S. EQUIPMENT INSTALLATION		•	•		
	LED TV'S LOW VOLTAGE WIRING, BOXES, CONDUITS & COVER PLATES PUNCH DOWN BLOCK AND DATA RACK		•	•		

Sheet Index

- T101 TITLE SHEET
- A101 ARCHITECTURAL FLOOR PLAN
- A201 EQUIPMENT PLAN & SCHEDULE
- A301 FINISH SCHEDULE
- A401 INTERIOR FINISH ELEVATIONS
- A402 TYP. RESTROOM PLAN & EXTERIOR ELEVATIONS
- M101 MECHANICAL PLAN
- M102 HOOD PLAN AND DETAILS
- E101 ELECTRICAL POWER PLAN
- E102 ELECTRICAL SPECIFICATIONS
- P101 PLUMBING PLAN
- P102 PLUMBING DETAILS

Code Review Summary

- Building Code: 2011 Ohio Building Code, with 3/15/2013 update
- Accessibility: 2009 ICC A117.1. Accessible and Usable Buildings and Facilities
- Mechanical Code: 2011 Ohio Mechanical Code
- Electrical Code: 2014 NFPA 70, National Electrical Code
- Energy Code: 2009 International Energy Conservation Code or 2007 ASHRAE 90.1
- Fire Alarm Code: 2010 NFPA 72, National Fire Alarm Code
- Sprinkler Code: 2010 NFPA-13 Standard for the Installation of Sprinkler Systems;
- Certain instances allow the use of 2010 NFPA 13R and NFPA 13D
- Fuel Gas Code: 2009 International Fuel Gas Code
- Flood Damage Prevention Regulations: 2011 Ohio Building Code and Miami County Zoning

MARCO'S PIZZA: 1,886 SF. Leasable; 1,780 SF gross occupiable
 USE GROUP: BUSINESS, B (A-2 UNDER 50 PEOPLE)
 OCCUPANCY LOAD:
 KITCHEN OCCUPANCY LOAD: 1,134/200 SFPP = 6 people
 SEATING OCCUPANCY LOAD: 472 SQ FT/ 15 SFPP = 32 people
 OCCUPANCY LOAD TOTAL = 38 people
 MAXIMUM OF 5 EMPLOYEES AT ANY ONE TIME



Project General Notes

- ALL WORK SHALL CONFORM TO THE CODES LISTED HEREIN, AND ALL OTHER APPLICABLE CODES, STANDARDS, AND REGULATIONS OF THE CITY.
- IT IS INTENDED THAT A COMPLETE OCCUPIABLE BUILDING PROJECT IS PROVIDED.
- THE GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION (A.I.A. 1997 EDITION) ARE A PART OF THESE CONTRACT DOCUMENTS. A COPY IS ON FILE AT THE ARCHITECT'S OFFICE.
- DO NOT SCALE THESE DRAWINGS. VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD. ANY DISCREPANCIES IN THESE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO SUBMISSION OF BID IN THE FORM OF A "REQUEST FOR INFORMATION". FAILURE TO DO SO WILL BE AT THE EXPENSE OF THE CONTRACTOR
- ALL PROPOSED SUBSTITUTIONS SHALL BE APPROVED BY THE CONSTRUCTION MANAGER, IN WRITING, PRIOR TO INSTALLATION
- G.C. IS RESPONSIBLE FOR SUBMITTAL, PAYING FEES AND OBTAINING ALL PERMITS ASSOCIATED WITH THE PROJECT. THIS INCLUDES, BUT IS NOT LIMITED TO ELECTRICAL, MECHANICAL, PLUMBING, ENCROACHMENT PERMIT, ETC. G.C. REQUIRED TO PAY FOR TEMPORARY FACILITIES FEES AS REQUIRED TO COMPLETE THE WORK IN A TIMELY MANNER.
- ALL ABBREVIATIONS INCLUDED FOLLOW INDUSTRY STANDARDS. CONTACT ARCHITECT IF ANY ABBREVIATIONS ARE NOT CLEAR.
- THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL CONDITIONS AND DIMENSIONS. ANY DISCREPANCIES BETWEEN THE EXISTING CONDITIONS AND THESE PLANS SHALL BE REPORTED TO THE ARCHITECT PRIOR TO SUBMISSION OF BID. A SUBMISSION OF BID SHALL IMPLY THAT THE CONTRACTOR HAS ACCEPTED THE DRAWINGS AND EXISTING CONDITIONS HAVING BEEN FIELD VERIFIED BY SAME.
- NOTE TO BIDDERS, PLANS WITH THE LAST DATE STATING PERMITS ARE TO BE CONSIDERED FOR BIDDING PURPOSES AND ADDITIONAL INFORMATION FROM THE MUNICIPALITIES MAY BE ADDED TO THE PLANS PRIOR TO THEM BEING ISSUED FOR CONSTRUCTION. SUCCESSFUL BIDDER IS RESPONSIBLE TO CONTACT THE ARCHITECT PRIOR TO COMMENCING CONSTRUCTION TO OBTAIN THE APPROVED SET OF PLANS.
- SITE SUPERINTENDENT MUST BE PRESENT THE FIRST DAY ANY SUBCONTRACTOR IS ONSITE TO ENSURE SCOPE OF WORK IS UNDERSTOOD AND FOLLOWED.

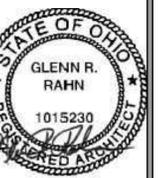


7580 48th Street, S.E.
 Grand Rapids, Mi. 49512
 P. 616.634.2253
 Glenn@rdc-llc.com

3057 Turnberry Ct
 Grove City, OH 43123

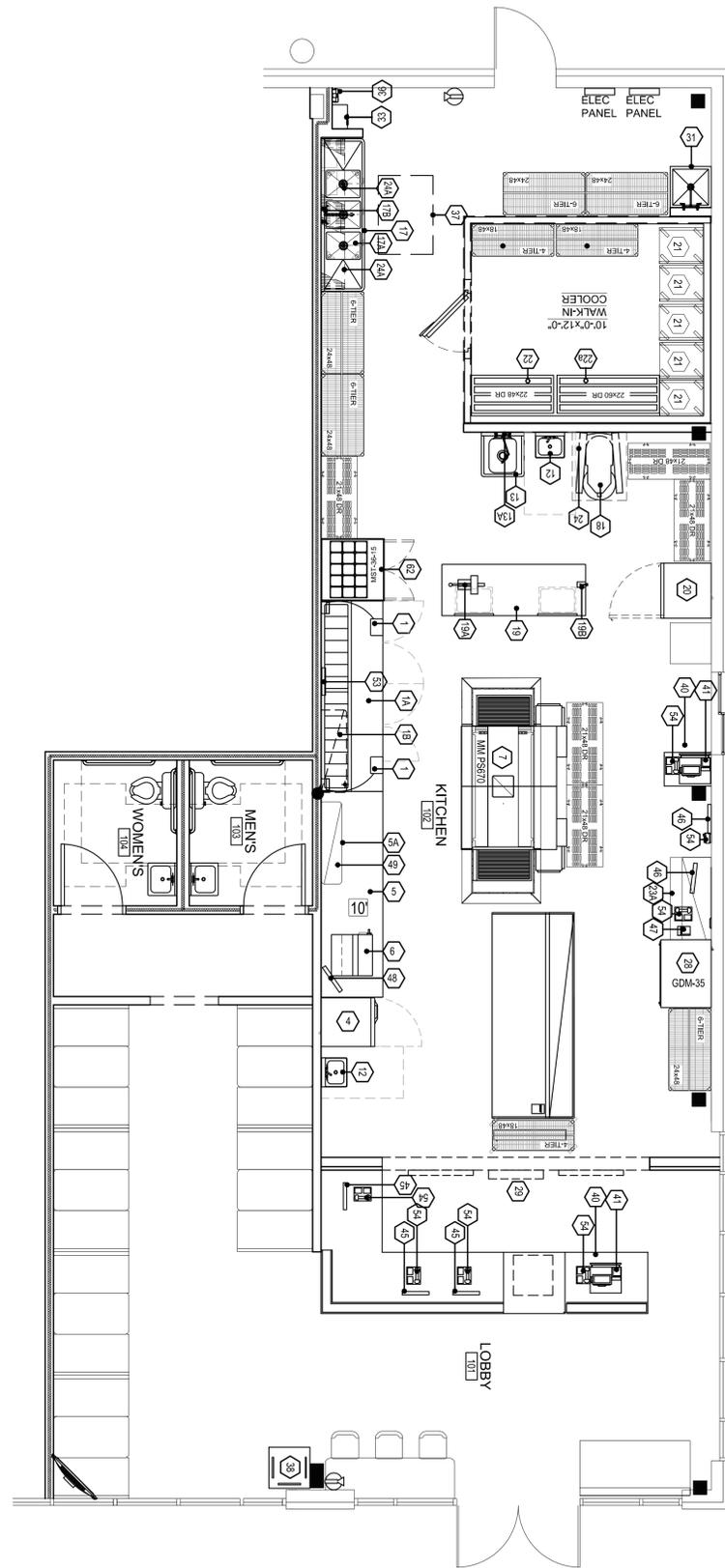


DATE ISSUED FOR:
 03.09.2016 REVIEW
 04.21.2016 Per City



THIS DRAWING IS THE SOLE PROPERTY OF RETAIL DESIGN CONSULTANTS LLC AND IS A COPYRIGHTED DOCUMENT AND IS NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN CONSENT.

T101



1 EQUIPMENT PLAN
A201 SCALE: 1/4" = 1'-0"

STANDARD EQUIPMENT SCHEDULE

NO	MANUFACTURER	MODEL	DESCRIPTION	VOLTS	Ø	RATED AMP	K.W.	H.P.	CONN.	C.W.	H.W.	WASTE	GAS	BTU/HR.
1	DORAN SCALE	72120V	Doran 940 SCALE/PORTION/DIGITAL	115										
1A	RANDELL	8411NMP	PIZZA PREP TABLE REFRIGERATED W/GARNISH CHEESE GRATES W/CUTOUT FOR DIGITAL SCALE	115	1	12.8		1/2	PLUG					
1B	BK RESOURCES	BRW-S-168	S/S WALL SHELF (16'x48")											
2	FALLEN OAKS CABINETS	CUSTOM	SALES & PHONE COUNTER											
2A	THUNDER GROUP OR EQ	VARIIES	SALES & PHONE COUNTER CABINETS											
3	BK RESOURCES	WT-2430B	18GA. S/S 24"x30" FOOD PREP TABLE	115	1	7.9		1/3	5-15P					
4	TRUE	T-2526M-R (or L)	UPRIGHT REFRIGERATED DOUGH PROOFER (Hinged right or left depending on floor plan)	115	1	9.8		1/2	PLUG					
5	Advance Tabco	16GA. S/S PIZZA STRETCH TABLE (157"x86")	16GA. S/S PIZZA STRETCH TABLE (157"x86")											
5A	BK RESOURCES	WS-1648	18GA. S/S WALL SHELF (48"x16")	115	1	9.8		1/2	PLUG					
6	SOMERSET	CDR-500	DOUGH ROLLER / SHEETER											
7	MIDALEBY MARSHALL	MM P8670	CONVEYOR OVEN-DOUBLE DECK (2 CONNECTIONS FOR GAS & ELECTRIC)	(2) 208	(2) 1	(2) 12.0		(2) 2.4	DIRECT				2"	5170,000btu
8	HALTON	UT-145-1	CONVEYOR OVEN EXHAUST SYSTEM - TYPE 1 - VERIFY WITH HOOD DRAWINGS											
8B	LOREN COOK	XRLD-141-WJ	EXHAUST FAN	CFMS - 875	115	1	10.6	3/4	DIRECT					
9	ELKAY SSP	CUSTOM	96" CUT TABLE BASE W/ CASTERS											
10	ELKAY SSP	CUSTOM	96" CUT TABLE TOP											
11	ELKAY SSP	CUSTOM	CUTTING TABLE OVERSHELF											
12	BK RESOURCES	HS-012	S-S HAND SINK (*OWNER PROVIDES PAPER TOWEL AND SOAP DISPENSERS)							1/2"	1/2"	1-1/2" DR		
13	BK RESOURCES	SSK-001	S-S ONE COMPARTMENT SINK W/ BASKET DRAIN							1/2"	1/2"	INDIRECT		
13A	KROWN METAL	12-808	FAUCET											
14	McGUINN	OD1613P	SAFE											
15	HATCO	GRA-72-03	FOOD WARMER (INCLUDED IN ITEM NO. 9, IN BURKETT PACKAGE) (COD AND PLUG BY OWNER)	120	1	12.3	2.1		PLUG					
16	KOLPAK	CUSTOM	WALK-IN COOLER (*VERIFY W/ WALK-IN DRAWINGS)											
16A/B	KOLPAK	CUSTOM	CONDENSER AND OUTSIDE UNIT											
17	BK RESOURCES	BKS-3-2030-14-24	THREE COMPARTMENT SINK WITH 18" LEFT & RIGHT DRAIN BOARDS 108" LENGTH											
17A	BK RESOURCES	LWR-1	BASKET DRAIN / LEVER TWIST WASTE											
17B	DORMANT	P-WSSB-AF-12	PRE RINSE ASSEMBLY 12" SPOUT											
18	HEBERT	H860	MIXER 60 QUART WITH DOUGH HOOK						PLUG @ 48" AFF	5/8"	5/8"			
19	Advance Tabco Model	GLG-308	108" S/S TABLE w/ 2 EA. DRAWER 15" x 20" x 6"											
19A	NEMCO	N5520AAN-6	EASY SLICER MANUAL											
19B	EDLUND	1S	MANUAL CAN OPENER											
20	ELECTROLUX KELVINATOR	HCS220RH4	REACH-IN FREEZER W/ CASTERS BY OWNER	120	1	2.3		1/2	PLUG					
21	Advance Tabco	PRCS-2-5W	BUN SHEET PAN RACK, 21a BEEN SUBSTITUTED w/ AN ADDITIONAL ITEM 21											
22	Burket Broadline Equipment	NO28002	DUNNAGE RACK, WELDED TUBULAR ALUMINUM, 20", 21" x 48" x 12"											
22B	CAMBRID	DRS60121	SOLID POLYETHYLENE DUNNAGE RACK: 21" W x 60" L x 12" H											
23	THUNDER GROUP	CMSV2408	WIRE SHELVING 24X36 5 TIER											
23A	BK RESOURCES	WT-2430B	DRIVERS STATION 24X36											
23B	THUNDER GROUP	CMSV1436	WIRE SHELVING 14X36 3 TIER											
23C	THUNDER GROUP	CMSV1848	WIRE SHELVING 18X48 (HOT BAG RACK, ROUTING TABLE OR STORAGE) 6 TIER											
24	THUNDER GROUP	CMSV1448	14" X 48" WALL SHELVING (MIXER SHELF)											
24A	THUNDER GROUP	EPOXY	14"x42" WALL SHELVING (2-COMPARTMENT SINK SHELF)											
25	THUNDER GROUP	CUSTOM	ROUTING STATION W/ CASTERS NSF											
25A	HATCO	GRA-60	OVERHEAD FOOD WARMER	120V	1	7.9			PLUG					
26	THUNDER GROUP	CUSTOM	WALK-IN SHELVING Shelving, Wire, 24" x 36", heavy duty, green epow finish											
27	LARSSENS	SLB	WALL HUNG DRY CHEMICAL FIRE EXTINGUISHER PER CODE, MINIMUM SIZE 3A-40BC											
28	TRUE	GDM-2314143	MERCHANDISER REFRIGERATOR (SINGLE SWDR GDM-23 OR DOUBLE SLDR GDM-41 OR DOUBLE SWDR-43)	115	1	7.2			PLUG					
29	HOWARD CO		MENU BOARDS AND ILLUMINATED LOGO											
30	AMERICAN T AND S	ATS3030BK	FOUR TOP TABLE, 30" x 30", BASE, (4) CHAIRS EA. (MODEL #93-16)											
30A	AMERICAN T AND S	ATS3048BK	FOUR TOP TABLE, 30" x 48", BASE, (4) CHAIRS EA. (MODEL #93-16)											
31	ADVANCED TOBACO		MOP SINK (*Installed by general contractor)							1/2"	1/2"			
32	REINERMADE OR EQUIVALENT	RM1992	MOP / BROOM RACK											
33	RINNAI	SIE PLUMBING	SEE PLUMBING SHEET FOR EQUIPMENT SPECIFICATIONS											3/4" 199,000btu
34	THUNDER GROUP	CMSV1848	6 TIER 18" X 48" TO BE USED WITH CHECK, CORPORATION HOT BAG SYSTEM											
35	READY ACCESS	131 BI-PARTING	(18" x 31" SERVICE OPENING), OR CUSTOM, OR EQUAL, AUTOMATIC DEFROST, AIR CURTAIN OPTIONAL											
36	3M PURIFICATION INC	CFS-22	WATER FILTER (FOR VEGETABLE SINK AND SODA FOUNTAIN ONLY)											
37	SCHER BY PC	SIE PLUMBING	SEE PLUMBING SHEET FOR EQUIPMENT SPECIFICATIONS											3 OR 4"
38	AMERICAN T AND S	TR-1	TRASH TRAY RECEPTACLE											
39	AMERICAN T AND S	91316	BAR HEIGHT CHAIRS											
40	PVRIMONT		TERMINAL 1 (VERIFY MECHANICALS W/ OWNER)	120	1				PLUG					
41	PVRIMONT		RECIPT PRINTER (VERIFY MECHANICALS W/ OWNER)	120	1				PLUG					
42	PVRIMONT		REPORT PRINTER (VERIFY MECHANICALS W/ OWNER)	120	1				PLUG					
43	PVRIMONT		TERMINAL 2 (VERIFY MECHANICALS W/ OWNER)	120	1				PLUG					
44	PVRIMONT		TERMINAL 3 (VERIFY MECHANICALS W/ OWNER)	120	1				PLUG					
45	PVRIMONT		TERMINAL 4 (VERIFY MECHANICALS W/ OWNER)	120	1				PLUG					
45b	PVRIMONT		TERMINAL 4 (VERIFY MECHANICALS W/ OWNER)	120	1				PLUG					
45c	PVRIMONT		TERMINAL 4 (VERIFY MECHANICALS W/ OWNER)	120	1				PLUG					
46	PVRIMONT		TERMINAL MAIN (VERIFY MECHANICALS W/ OWNER)	120	1				PLUG					
47	PVRIMONT		DRIVERS PRINTER (VERIFY MECHANICALS W/ OWNER)	120	1				PLUG					
48	PVRIMONT		STRETCH COMPUTER (VERIFY MECHANICALS W/ OWNER)	120	1				PLUG					
49	PVRIMONT		STRETCH PRINTER (VERIFY MECHANICALS W/ OWNER)	120	1				PLUG					
50	PVRIMONT		CUT PRINTER (VERIFY MECHANICALS W/ OWNER)	120	1				PLUG					
51	PVRIMONT		OFFICE COMPUTER (VERIFY MECHANICALS W/ OWNER)	120	1				PLUG					
52	PVRIMONT		OFFICE PRINTER (VERIFY MECHANICALS W/ OWNER)	120	1				PLUG					
53	PVRIMONT		MAKELINE COMPUTER (VERIFY MECHANICALS W/ OWNER)	120	1				PLUG					
54	BY OTHERS		PHONE SYSTEM											
55-56	BY OTHERS		SPARE NUMBER NOT USED											
57	BY OTHERS FUTURE	CUSTOM	DRINK STATION CASE WORK											
57a	BY OTHERS FUTURE		SODA FOUNTAIN											
57b	MANITOWOC FUTURE	IY-0224A	ICE MACHINE	115	1	11.3								
58	BY OTHERS	CUSTOM	COUNTER AT STOREFRONT AND SIDE WALL											
59	FAX MACHINE		BY OWNER											
60	SAFE		BY OWNER											
61	OVERHEAD IN 4" PVC FOR FUTURE SODA LINES		BY OTHERS											

*ALL FAUCETS TO HAVE WORST BLADE HANDLES
 *GC TO PROVIDE WOOD BLOCKING AS REQUIRED @ WALL MOUNTED ACCESSORY LOCATIONS
 *THE FIXTURES AND ACCESSORIES LISTED ABOVE CONFORM TO MARCOS PIZZA CORPORATE QUALITY STANDARDS. EQUIVALENT MANUFACTURERS ARE ACCEPTABLE
 *AT OWNERS DISCRETION EXISTING FIXTURES AND ACCESSORIES CAN REMAIN IF, AFTER INSPECTION BY A QUALIFIED CONTRACTOR IT IS FOUND THAT THEY MEET OR EXCEED MARCOS QUALITY STANDARDS
 *INSTALL PER ADA 419.4 AND OR ICC ALL EXPOSED LAVATORIES, DRAIN, PIPING, HOT/COLD STOPS AND SUPPLIES
 *PROTECTORS SHALL CONFORM TO UPC IAPMO PS 94-2001A AND A.S.T.M. E84-01 FLAME SPREAD REQUIREMENT
 *PROTECTORS WILL CONSIST OF CLOSED-CELL PVC WITH ANTI-FUNGAL, AND ANTI-MICROBIAL PROPERTIES WITH (NON-SEWED) HEAT-WELDED CONSTRUCTION
 *PROTECTORS WILL BE A ONE-PIECE UNIVERSAL FIT JACKET WITH SMOOTH AND SOFT TEXTURE
 *PROTECTORS MUST HAVE PVC VELCRO FASTENERS ADHERED WITH (NON-SEWED) HEAT WELDED BONDING TO ALLOW FOR CUSTOM TRIMMING
 *PROTECTOR MUST HAVE PVC VELCRO FASTENERS FOR FULL ENCLOSURE AND SHALL HAVE WEEP-HOLE AT BOTTOM OF J-BEND TO PROVIDE FOR CONDENSATION DRAINAGE AND AIR CIRCULATION
 *PROTECTORS SHALL BE SECURED BY HEAVY-DUTY INTERLOCKING SNAP FASTENERS FOR PERMANENT SAFE-FIT OPTION TO DEFER THEFT AND/OR INJURY
 *MANUFACTURER PLUMBEREX INC. BRAND HANDY-SHIELD™ SAFETY COVERS OR EQUIVALENT
 *ALL HAND SINKS IN KITCHEN TO HAVE SPLASH GUARDS

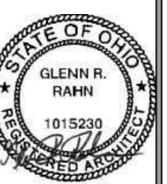


7580 48th Street, S.E.
Grand Rapids, MI 49512
P. 616.634.2253
Glenn@rdc-llc.com

3057 Turnberry Ct
Grove City, OH 43123

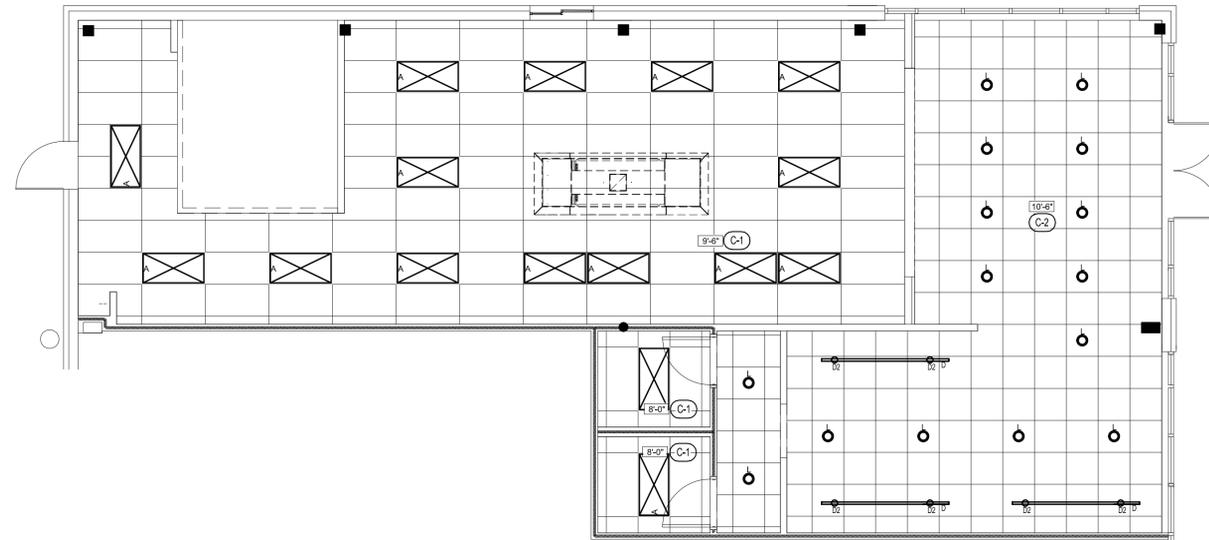


DATE ISSUED FOR:
03.09.2016 REVIEW
04.21.2016 Per City

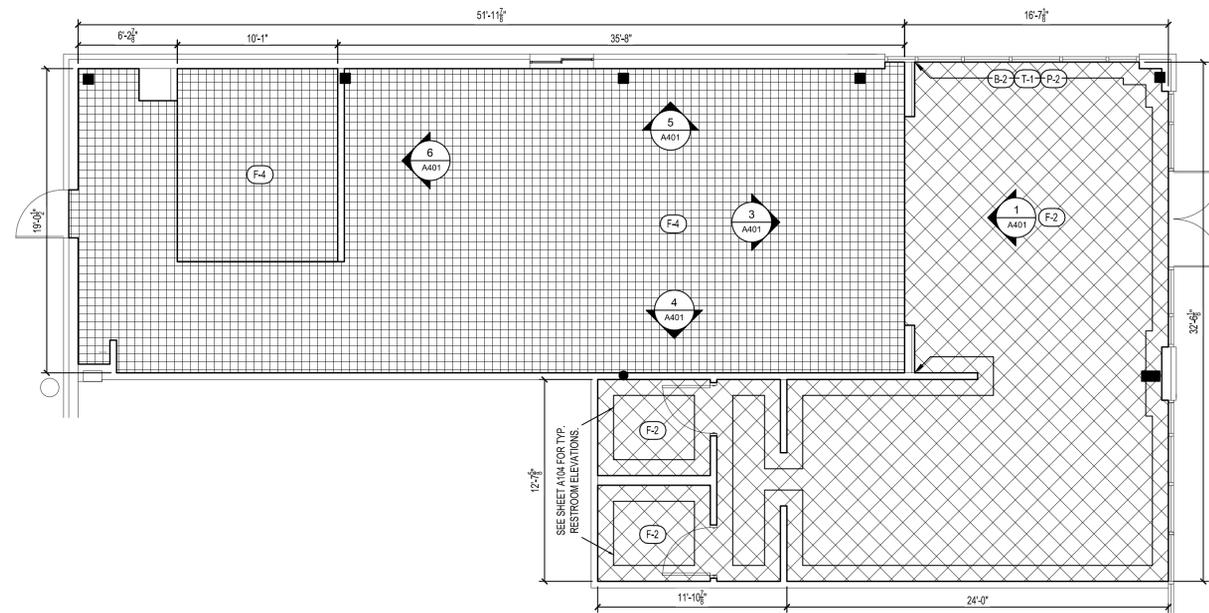


THIS DRAWING IS THE SOLE PROPERTY OF RETAIL DESIGN CONSULTANTS LLC AND IS A COPYRIGHTED DOCUMENT AND IS NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN CONSENT.

A201



2 REFLECTED CEILING PLAN
A301 SCALE: 3/16" = 1'-0"



1 FINISH FLOOR PLAN
A301 SCALE: 3/16" = 1'-0"

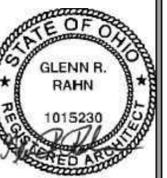
FINISH SCHEDULE			
TAG	MANUFACTURER	SIZE	DESCRIPTION
B-2	MARAZZI TILE	13"x13" CUT IN HALF	LOBBY BASE TILE - VESALE STONE, GLAZED PORCELAIN #UF2M RUST. INSURE FINISHED SIDE IS EXPOSED, INSTALL WITH ALUMINUM TOP TRIM PROVIDED BY CONTRACTOR - SCHLUTER SCHIENE-RADIUS. GROUT TO MATCH LATICRETE #66 CHESTNUT BROWN
B-3	MARAZZI TILE	6"x6"	KITCHEN BASE TILE - QUARRY BASICS, PURITAN GRAY #507. GROUT TO MATCH LATICRETE #24 NATURAL GRAY
C-1	VINYL FACED GYP BOARD PANELS	2'-0"x4'-0"	KITCHEN CEILING - VINYL FACED GYP BOARD PANELS 15/16" WHITE COMMERCIAL GRADE GRID
C-2	USG	2'-0"x2'-0"	LOBBY CEILING - USG, "RADAR CLIMAPLUS" TAUPE-107, (2"x2"x5/8"), ITEM #2220. TO BE USED WITH USG, DX24, TAUPE-107 GRID. USE RUSTOLEUM-PAINTER'S TOUCH - 240253 "FOSSIL" TO PAINT DIFFUSERS
F-2	MARAZZI TILE	13"x13" or 20"x20"	LOBBY FLOOR TILE - VESALE STONE, GLAZED PORCELAIN #UF2M RUST. GROUT TO MATCH LATICRETE #66 CHESTNUT BROWN
F-3	MARAZZI TILE	6"x6"	KITCHEN FLOOR TILE - MAYFLOWER RED #310. GROUT WITH LATICRETE #58 TERRA COTTA
F-4	MARAZZI TILE	6"x6"	KITCHEN FLOOR TILE - QUARRY BASICS, PURITAN GRAY #507. GROUT TO MATCH LATICRETE #24 NATURAL GRAY
G-1	GRANITE		ORDER COUNTER GRANITE - IF INSTALLED, UBA TUBA, TAN BROWN, or TROPIC BROWN
G-2	GRANITE		TABLE TOP GRANITE - IF INSTALLED, TROPIC BROWN, TAN BROWN
L-1	FORMICA		CASEWORK LAMINATE - FORMICA "LABRADOR GRANITE" MATTE FINISH - #3692-58
L-2	FORMICA		CASEWORK LAMINATE - FORMICA "SELECT CHERRY" ARTISAN FINISH - #7759-43
L-3	FORMICA		WALL LAMINATE - F.R.P. - MARLITE, "IVORY P140" WITH MATCHING IVORY PVC TRIM. TOP EDGE TO BE 48" A.F.F. IN RESTROOM, FULL HEIGHT IN BACK OF HOUSE.
P-2	SHERWIN WILLIAMS		WALL PAINT - WALL TO BE VVC OR KNOCKDOWN TEXTURE EGGSHELL FINISH INTERIOR LATEX - #0012 EMPIRE GOLD PAINT
P-3	SHERWIN WILLIAMS		WALL PAINT - #SW 6120 - BELIEVABLE BUFF
P-4	SHERWIN WILLIAMS		RESTROOM DOOR FRAME PAINT - #SW 6116 - TATAMI TAN
S-1	OWENS CORNING		STONE VENEER - COUNTRY LEDGE STONE - COLOR, CARMEL. AS REQUIRED W/LOCAL HEALTH DEPARTMENT APPROVED SEALER
T-1	WAINSCOT PANELS		WAINSCOT - CLEAR GRAIN V-GROVE WAINSCOT PANEL RESEMBLING 1x4 T&G. CHAIR RAIL AND RESTROOM DOOR STAINED TO MATCH WAINSCOT. COLOR TO MATCH MINWAX RED MAHOGANY #225. START WAINSCOT 1" AFF. (4" - 6" WIDE WOOD FLOORING WITH A CLEAR GRAIN CAN BE SUBSTITUTED.)
W-1	MARAZZI TILE	13"x13"	RESTROOM WALL TILE - (FROM TOP OF BASE TILE TO 48" A.F.F.) VESALE STONE, GLAZED PORCELAIN #UF2M RUST. GROUT TO MATCH LATICRETE #66 CHESTNUT BROWN
CHAIR RAIL A 1"x6" CHAIR RAIL CONSISTING OF CLEAR STAINABLE WOOD IS REQUIRED. VINYL COATED TRIM IS NOT ACCEPTABLE. STAIN TO MATCH WAINSCOT. INSTALL WITH BOTTOM AT 28" A.F.F.			
SEATING ALL CHAIRS, BENCHES AND BAR STOOLS WILL BE A BLACK LADDER BACKED CHAIR WITH TUBE STEEL LADDER RUNGS. BANDED BACKS ARE NOT ACCEPTABLE DUE TO EASE OF BENDING. THE SEATS WILL BE SOLID WOOD (NO PLYWOOD) OR CUSHIONED SEATS. CUSHIONS WILL BE BLACK WITH A MINIMUM RATING OF 1,200.00 DOUBLE RUBS.			
TABLE TOPS OPTION 1 - WOOD BUTCHER BLOCK WITH DARK STAIN. OPTION 2 - GRANITE TABLE TOPS USING GRANITE LISTED ABOVE OPTION 3 - PLASTIC LAMINATE TOPS USING AN OAK HALF ROUND NOSING AND FORMICA "LABRADOR GRANITE" MATTE FINISH #3692-50			
BLINDS IF BLINDS ARE NECESSARY MATCH PHIFER SHEARWEAVE 4100 PEBBLESTONE 10% OPEN WITH STAINLESS STEEL CHAN AND BRONZE CHILD SAFETY DEVICE.			
TV MONITORS NATIONAL ACCOUNT WITH NEC. THE MONITORS ARE COMMERCIAL GRADE THAT CARRY A 3yr WARRANTY.			
CLASS B FLAME SPREAD: ALL INTERIOR WALL AND CEILING FINISHES TO CONFORM TO IBC (CODE REFERENCED ON T101) 803 CLASS B FLAME SPREAD AND ASTM E 84. VINYL AND RUBBER COVE BASE ARE NOT PERMITTED. ONLY B-2 OR B-3 ARE PERMITTED.			



7580 48th Street, S.E.
Grand Rapids, Mi. 49512
P. 616.634.2253
Glenn@rdc-llc.com

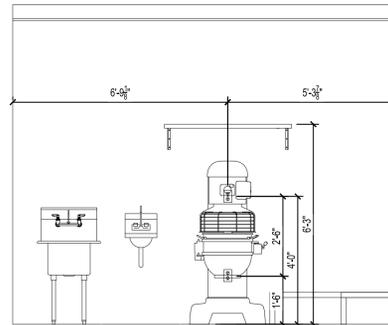


DATE ISSUED FOR:
03.09.2016 REVIEW
04.21.2016 Per City

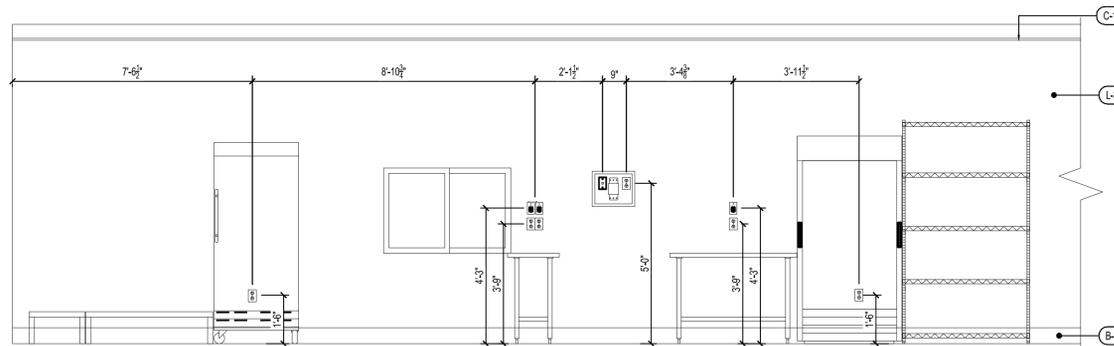


THIS DRAWING IS THE SOLE PROPERTY OF RETAIL DESIGN CONSULTANTS LLC AND IS A COPYRIGHTED DOCUMENT AND IS NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN CONSENT.

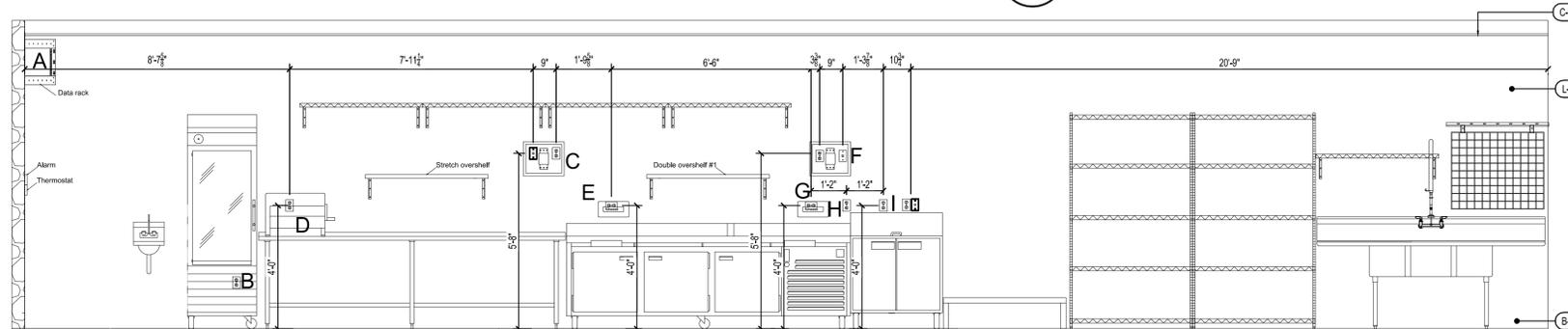
A301



6 CLEANUP/PREP WALL ELEVATION
A401 SCALE: 3/8" = 1'-0"



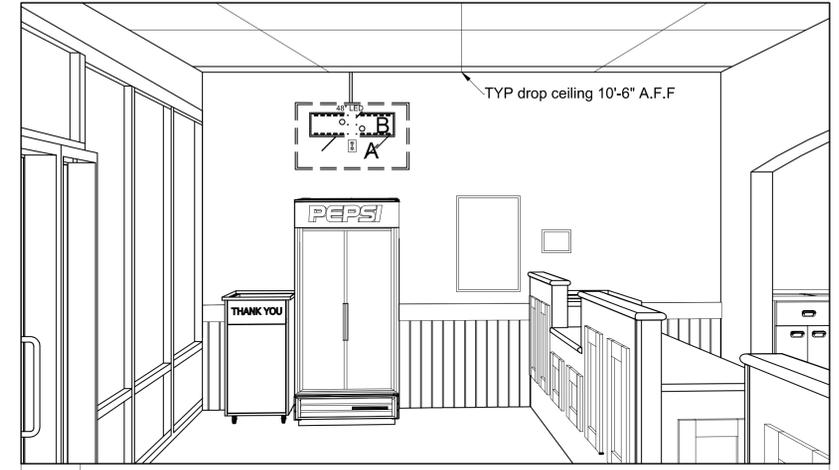
5 CLEANUP/PREP WALL ELEVATION
A401 SCALE: 3/8" = 1'-0"



- Outlet & Data Locations - *Very important: All height measurements are from existing concrete floor to bottom of box.
- A. Data Rack Outlets See back of arch elevation.
 - B. Proof Box
 - C. Stretch Table Monitor include data
 - D. Somerset Dough Sheeter
 - E. Cheese Scale Display #1 This outlet turned sideways.
 - F. Make Line Monitor include data
 - G. Cheese Scale Display #2 This outlet turned sideways.
 - H. Make Line Table
 - I. Sub Make Table
 - J. Make Line POS Quad outlet. include data.

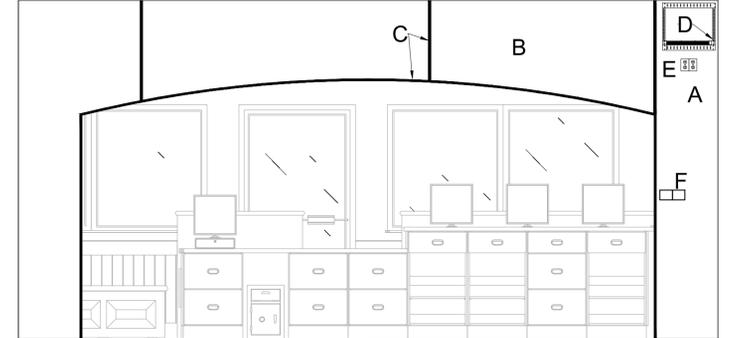
- Fixture locations - All heights are from finished floor
- Stainless Shelving Stretch overshelf 60" to top plane
Double overshelf #1 60" to top plane
Double overshelf #2 60" to top plane
* There should be 1" between shelf #1 & #2.
 - Smart Wall Grid 79" to bottom of support rail. Both rails are aligned with the outside edge of the 3C, leaving a gap in the middle for the sprayer.

4 MAKELINE WALL ELEVATION
A401 SCALE: 3/8" = 1'-0"



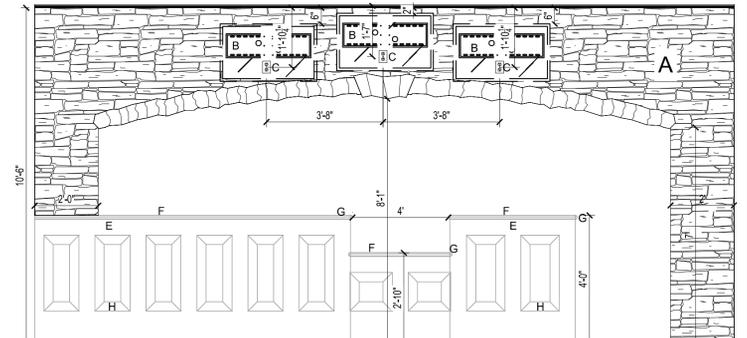
- TYP. Lobby detail
- A Receptacle for Lobby TV 96" A.F.F to bottom of box.
 - B Owner-supplied LED TV and wall mounts. Wall mount to be mounted 1.5" above receptacle on wall.

3 TYPICAL LOBBY TV ELEVATION
A401 SCALE: 1/2" = 1'-0"



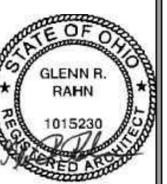
- A Contractor-supplied 5/8" FIRE RATED PLYWOOD floor to ceiling.
- B Contractor-supplied FRP.
- C Contractor-supplied vinyl trim (match FRP).
- D Owner-supplied data rack mounted 1" below drop ceiling.
- E Contractor-supplied quad electrical outlet mounted 22" below drop ceiling.
- F Contractor-supplied HVAC Thermostats mounted as close to arch opening as possible. (SEE M101 FOR MOUNTING HEIGHT)

2 TYP. REAR ARCH ELEVATION
A401 SCALE: 3/8" = 1'-0"



- A Dry-stacked stone archway provided by contractor.
- B Owner-supplied LED menu boards and wall mounts. Wall plate to be mounted to the arch wall 9-3/4" below drop ceiling.
- C Menu board duplexes. Top of outlets to be 20" below drop ceiling.
- D Owner-supplied internally-illuminated sign.
- E Front and back of wall units are covered with Wilsonart #7759-43 Select Cherry laminate.
- F Tops of wallcaps and countertops (work surfaces) are covered in Wilsonart #3692-58 Labrador Granite laminate.
- G Front edge trim is solid birch stained and cleared.
- H 1x4 solid birch frames. Stained and cleared.

1 TYP. COUNTER/ARCH ELEVATION
A401 SCALE: 3/8" = 1'-0"



DUCTWORK & AIR DISTRIBUTION NOTES

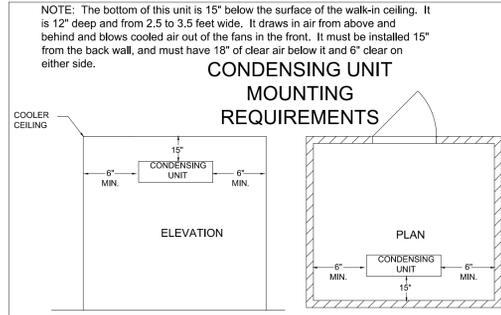
- ALL DUCTWORK SHALL BE INSTALLED STRAIGHT AND TRUE IN A QUALITY WORKMANLIKE FASHION.
 - ALL DUCTWORK SHALL CONFORM TO ASHRAE AND SMACNA STANDARDS WITH REGARDS TO DUCT GAUGES, TURNING VANES, THE INSTALLATION OF THE TURNING VANES AND/OR EXTRACTORS, AND MOUNTED AND BRACING.

RECTANGULAR DUCT CONSTRUCTION
GALVANIZED IRON PER SMACNA

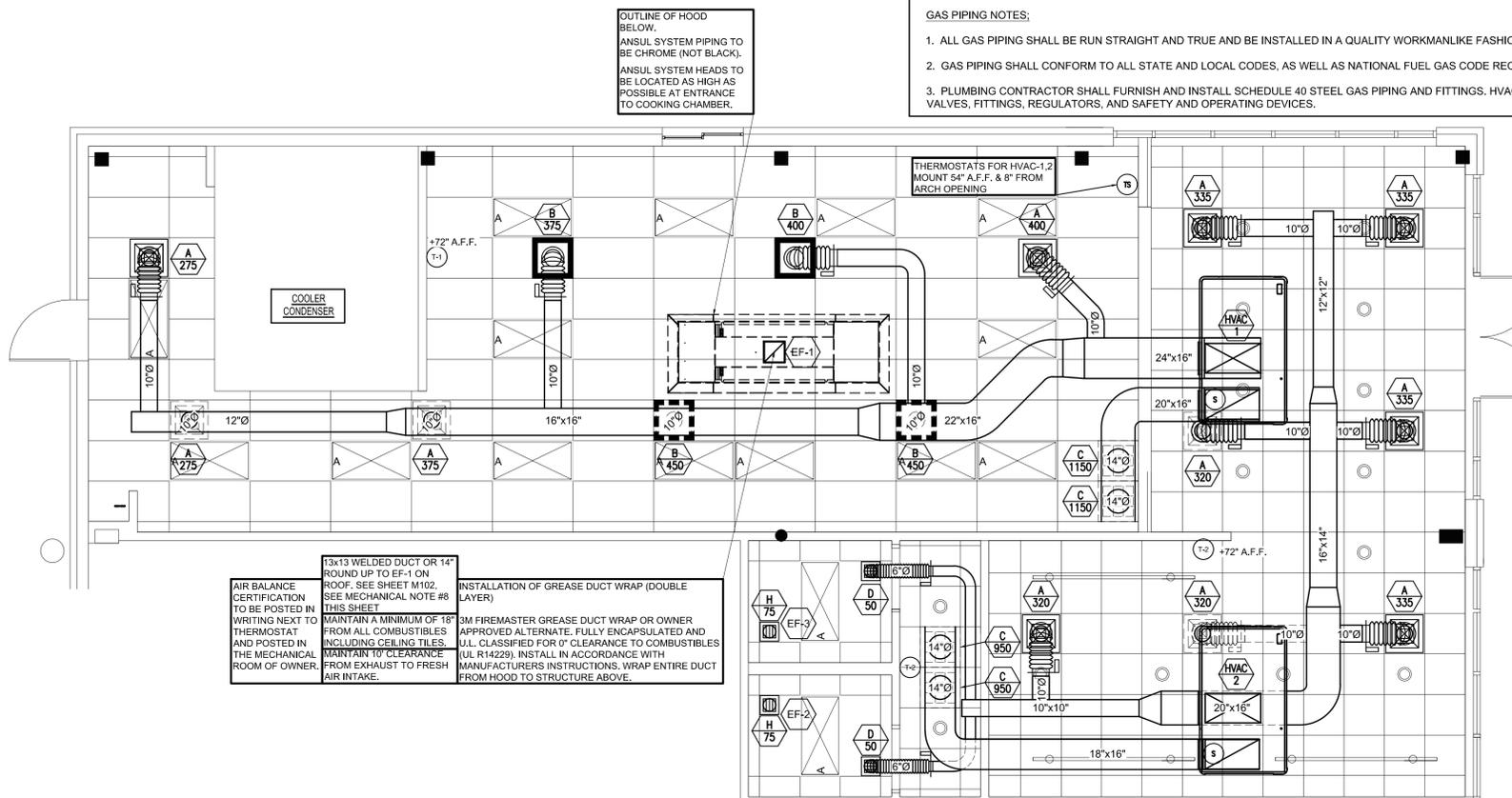
DUCT WIDTH IN INCHES	U.S. STD GAUGE	BRACING GALV. ANGLE	INCHES SPACING
1 - 12	26 Ga.	-	-
13 - 24	24 Ga.	-	-
25 - 30	24 Ga.	1 x 1 x 1/8	48
31 - 40	22 Ga.	1 x 1 x 1/8	48
41 - 60	22 Ga.	1 1/4 x 1 1/4 x 1/8	24
61 - 90	20 Ga.	1 1/2 x 1 1/2 x 1/8	24
91 - OVER	18 Ga.	1 1/2 x 1 1/2 x 1/8	24
 - STEEL OR ALUMINUM DUCTWORK SHALL CONFORM WITH DEPT. OF COMMERCE CHAPTER 63.29(3) AND 64.34(184), AS WELL AS SMACNA SEAL CLASS 'C'. FRESH AIR DUCTWORK AND ANY DUCTWORK EXTERIOR OF THE BUILDING SHALL BE INSULATED WITH MATERIAL NO LESS THAN R-9. SUPPLY-AIR DUCTWORK NOT IN THE CONDITIONED SPACE SHALL BE INSULATED WITH MATERIAL NO LESS THAN R-5.
 - THE HVAC CONTRACTOR SHALL CONSULT WITH THE GENERAL CONTRACTOR AND/OR THE BUILDING OWNER(S) TO DETERMINE THE EXACT LOCATION OF REGISTERS, GRILLES, AND DIFFUSERS. HVAC DRAWINGS INDICATE QUANTITIES AND AIR FLOW SPECIFICATIONS, HOWEVER, LOCATIONS ARE DIAGRAMMATIC.
 - THE HVAC CONTRACTOR SHALL BE RESPONSIBLE FOR BALANCING THE ENTIRE SYSTEM SO THAT THE SUPPLY AIR, RETURN AIR, EXHAUST AIR, AND FRESH AIR ARE WITHIN +5% OF THE AIR QUANTITIES SHOWN ON THE PLAN. THE HVAC CONTRACTOR SHALL FURNISH THE HVAC DESIGNER WITH TWO COPIES OF THE BALANCE DATA.
 - INSULATED FLEXIBLE SUPPLY AIR DUCT RUNS SHALL NOT EXCEED FIVE (5) FEET IN LENGTH.
 - HVAC CONTRACTOR SHALL FURNISH AND INSTALL PLEATED FILTERS WITH AN AVERAGE ARRESTANCE OF 85% OR GREATER, OR HIGHER EFFICIENT FILTER MEDIA TYPES. FILTERS SHALL BE EASILY ACCESSIBLE IN FILTER RACK OR FILTER GRILLES.
 - HVAC CONTRACTOR SHALL FIELD ROUTE DUCTWORK AS REQUIRED TO AVOID INTERFERENCE WITH SUSPENDED ACOUSTICAL CEILING HEIGHT. COORDINATE WITH GENERAL CONTRACTOR.
 - ALL ELECTRICAL FIXTURES SHALL BE PROVIDED BY THE ELECTRICIAN, AND INSTALLED BY THE ELECTRICAL CONTRACTOR, UNLESS OTHERWISE NOTED, SEE E101.
 - FOR SYMBOLS SHOWN IN LEGEND, BUT NOT ON THE PLAN, REFER TO THE MECH. AND ELEC. DRAWINGS.
 - EACH UNIT SHALL PROVIDE IONIZATION TYPE RETURN AIR DUCT SMOKE DETECTION.
 - SMOKE DETECTION SYSTEM WILL CONSIST OF IONIZATION TYPE SAMPLING TUBE, SMOKE DETECTOR WITH AUDIBLE ALARM, LED INDICATOR, AND MANUAL TEST/TRIP KEY.
- VENTING NOTES:**
- ALL GAS FIRED APPLIANCE VENTING SHALL COMPLY WITH STATE AND LOCAL CODES AND BE DONE IN A QUALITY WORKMANLIKE FASHION.
 - ALL VENTING SHALL STRICTLY COMPLY WITH MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS.
 - ALL FRESH AIR INTAKES SHALL BE A MINIMUM OF 10' AWAY FROM ANY EXHAUST VENT, SOIL VENT PIPE, OR GAS METER.
 - ALL GAS FIRED APPLIANCE VENTS SHALL BE A MINIMUM OF 10'-0" AWAY FROM ANY WINDOW, DOOR, OR BUILDING ENTRANCE AND MANUAL TEST/TRIP KEY.
- GAS PIPING NOTES:**
- ALL GAS PIPING SHALL BE RUN STRAIGHT AND TRUE AND BE INSTALLED IN A QUALITY WORKMANLIKE FASHION.
 - GAS PIPING SHALL CONFORM TO ALL STATE AND LOCAL CODES, AS WELL AS NATIONAL FUEL GAS CODE RECOMMENDATIONS.
 - PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL SCHEDULE 40 STEEL GAS PIPING AND FITTINGS. HVAC CONTRACTOR SHALL INSTALL ALL NECESSARY VALVES, FITTINGS, REGULATORS, AND SAFETY AND OPERATING DEVICES.

MECHANICAL NOTES

- A FIELD VISIT IS REQUIRED TO THE SITE TO VERIFY THE FIELD CONDITIONS AND LAYOUT OF EXISTING DUCTWORK. ALL WORK REQUIRED TO COMPLETE THE REWORK OF DUCTWORK IN THE SPACE SHALL BE INCLUDED IN THE BASE BID FOR THE PROJECT.
- ALL WORK AND MATERIALS SHALL COMPLY WITH GOVERNING CODES, SAFETY ORDERS AND REGULATIONS.
- OBTAIN AND PAY FOR ALL NECESSARY PERMITS, FEES AND INSPECTIONS REQUIRED BY GOVERNING AUTHORITIES.
- ALL FLEX DUCT SHALL BE UL 181 LISTED.
- ALL BRANCH DUCTS FEEDING INDIVIDUAL DIFFUSERS SHALL HAVE DAMPERS AT TAKEOFFS FOR AIR BALANCING. PROVIDE ACCESS PANELS TO DAMPERS AS MAY BE REQUIRED BY THE GENERAL TRADES CONSTRUCTION. SEE ARCHITECTURAL PLANS.
- ALL OUTSIDE AIR INTAKES SHALL BE A MINIMUM OF 10'-0" FROM EXHAUST FANS AND / OR VENTS.
- FINAL HVAC BALANCING SHALL BE PERFORMED BY THE HVAC CONTRACTOR AS A PART OF HIS BASE BID FOR THE PROJECT. IN WHEN REMOVING DIFFUSERS AND SHORTENING EXISTING DUCTING, MECHANICAL CONTRACTOR IS RESPONSIBLE FOR RE-BALANCING HVAC SYSTEM.
- MECHANICAL CONTRACTOR TO INSTALL DUCT WORK TO EF-1 AS SHOWN UNLESS APPROVED BY ARCHITECT AHEAD OF TIME.**
- SEE SHEET M102 FOR HOOD, WELDED DUCT, FIRE WRAP AND EXHAUST FAN. THE HOOD AND EF-1 ARE PROVIDED BY THE OWNER. INSTALLATION AND CONNECTION FOR PROPER OPERATION ARE BY THIS CONTRACTOR.
- EF-1 IS TO BE INSTALLED ON THE ROOF DIRECTLY ABOVE THE HOOD. PROVIDE A ROOF CURB DESIGNED FOR THE SLOPED ROOF. VERIFY ROOF PITCH AT ALL LOCATIONS.
- ALL EXHAUST AND VENTS SHALL BE A MINIMUM OF 10' TO PROPERTY LINES.



2 WALK IN COOLER DETAIL
M101 SCALE: 1/4" = 1'-0"



1 MECHANICAL PLAN
M101 SCALE: 1/2" = 1'-0"

DIFFUSER AND GRILLE SCHEDULE

SYMBOL	MAKE MODEL NO.	BOOT NECK	CEILING TYPE
A	PRICE SCD 4WAY W/ INSULATED BOOT	AS STATED	T-BAR
B	PRICE PDF PERFORATED W/ INSULATED BOOT & 2-WAY BLADES	AS STATED	T-BAR
C	PRICE RETURN AIR MODEL 80FF W/ INSULATED BOOT & REMOVABLE FILTER	AS STATED	T-BAR
D	PRICE 520 D W/ INSULATED BOOT	10"x10"	DRYWALL
H	PRICE 530 W/ INSULATED BOOT	10"x10"	DRYWALL

MECHANICAL SYMBOLS

	A/C UNIT NUMBER
	EXHAUST FAN NUMBER
	DIFFUSER TYPE INDICATES CFM QUANTITY
	HONEYWELL TEMPERATURE SENSOR (@ 54" A.F.F.) NUMBER INDICATES HVAC NUMBER
	SMOKE DETECTOR MOUNTED IN THE RETURN PLENUMS OF HVAC UNITS.
	FLEXIBLE DUCT STARTING COLLAR WITH VOLUME CONTROL DAMPER
	FLEXIBLE DUCT WITH INSULATION NUMBER DENOTES INSIDE DIAMETER
	EMERSON 1F97-1277 or EQUIVALENT HONEYWELL EQUIVALENT AUTOMATIC CHANGEOVER THERMOSTAT (NUMBER INDICATES HVAC NUMBER.)

AIR BALANCE SCHEDULE

Unit	S/A	R/A	O/A	EA	Pressure	Remarks
HVAC-1	3000	2000	1000		+1000	-
HVAC-2	2400	2200	200		+200	-
EF-1				1050	-1050	EXHAUST FAN (HOOD 1)
EF-2				75	-75	RESTROOM FAN
EF-3				75	-75	RESTROOM FAN
TOTAL	5400	4200	1200		+75	

EXHAUST FAN SCHEDULE

DESIG.	SERVES	CFM	SP	ELECT. DATA H.P. SERVICE	DRIVE	MANUF. / MODEL	WEIGHT (LBS)	REMARKS
EF-1	HOOD	1050	1	3/4 120v/1ph	BELT	ACCUREX	84	NEW
EF-2	RESTROOM	75	NA	120v/1ph	DD	BROAN - 75 CFM	NA	NEW
EF-3	RESTROOM	75	NA	120v/1ph	DD	BROAN - 75 CFM	NA	NEW

HVAC UNIT SCHEDULE

GENERAL	SUPPLY FAN				COOLING SECTION	HEATING SECTION NATURAL GAS		ELECTRICAL DATA			MAKE - MODEL	COMMENTS	WEIGHT (LBS)
	SUPPLY CFM	OUTSIDE AIR CFM	EXT. S.P. IN W.G.	SEER		TOTAL CAP.	INPUT BTUH	OUTPUT BTUH	MIN. CKT. AMPS.	M.O.P. AMPS.			
HVAC-1 NEW 7.5 TON RTU	3000	700	1.0	11.2	94,000	120,000	96,000	39.3	50	208/ 230 3PH	TRANE - YHC092E3R	PROVIDE WITH CURB & ECONOMIZER	847
HVAC-2 NEW 6 TON RTU	2400	500	1.0	13	62,300	80,000	64,000	36.5	50	208/ 230 3PH	TRANE - YHC072E3R	PROVIDE WITH CURB & ECONOMIZER	613

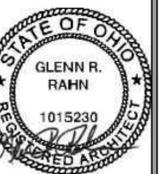


7580 48th Street, S.E.
Grand Rapids, MI, 49512
P. 616.634.2253
Glenn@rdv-llc.com

3057 Tumbery Ct
Grove City, OH 43123



DATE ISSUED FOR:
03.09.2016 REVIEW
04.21.2016 Per City



THIS DRAWING IS THE SOLE PROPERTY OF RETAIL DESIGN CONSULTANTS LLC AND IS A COPYRIGHTED DOCUMENT AND IS NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN CONSENT.

M101

MIDDLEBY – MARSHALL
OVEN PS-670

SELECT OPTIONS

NUMBER OF OVENS

- 1 OVEN
- 2 OVENS
- 3 OVENS

FRONT EYEBROW

- FRONT EYEBROW
- SIDE PANELS
QTY 4 430 S.S.
(UNINSULATED)

- CONTROL PANEL
(INCLUDES POWER
SUPPLY, OVEN
WIRING HARNESS AND
REAR CLOSURE
PANEL)

DUCT SHROUD
60" MAX

- FRONT & SIDES
- FRONT, REAR &
SIDES

- PAINTED FRONT END
PANELS
(BY OTHERS)

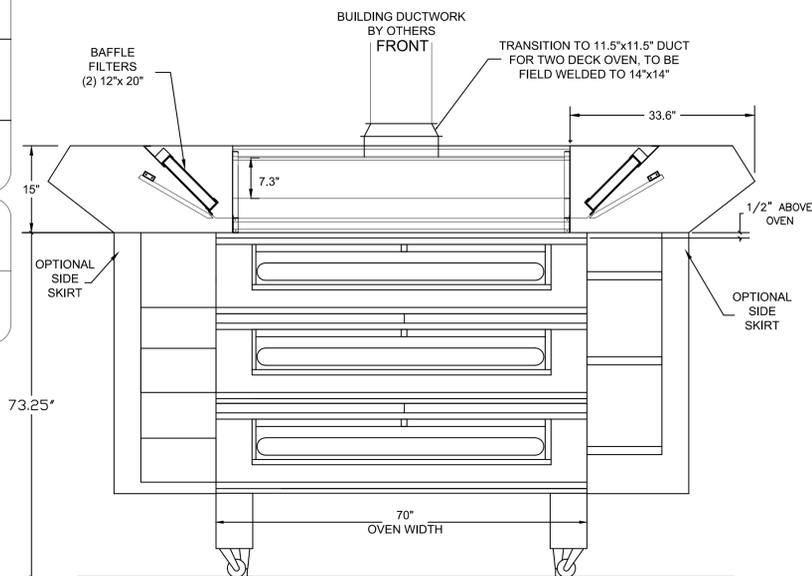
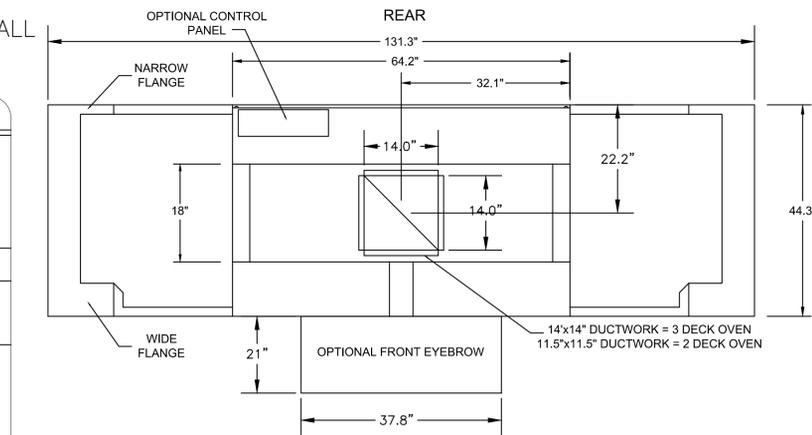
- ANSUL PRE-PIPE
PLENUM & DUCT
ONLY

ETL LISTING

101530594PRT-001A

HOOD TYPE

TYPE 1



PROJECT NAME: MM1 MIDDLEBY MARSHALL PIZZA HOOD
DRAWING NAME: MM1 FOR MIDDLEBY - MARSHALL OVEN PS-670-1,2,3
DATE: 07.24.15
SUBMITTAL #: U14-195-5
REVISION 11

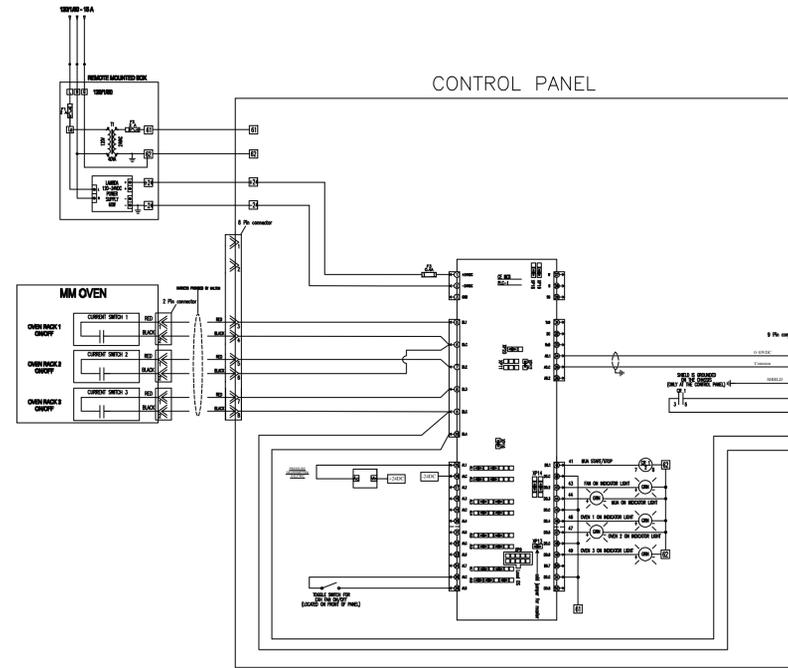
HOOD COEFFICIENT: 2315

EXHAUST INFORMATION

OVEN TYPE	DESIGN CFM W/SKIRTS	DUCT STATIC	DESIGN CFM W/O SKIRTS	DUCT STATIC	SIDE SKIRT HEIGHT
SINGLE DECK OVEN	750	.14"	750	.14"	20.5"
DOUBLE DECK OVEN	1050	.28"	1200	.36"	38.4"
TRIPLE DECK OVEN	1500	.57"	1750	.77"	58.4"



Halton



NOTE:
120V/1PH REQUIRED FOR CONTROL PANEL.
LOW VOLTAGE WIRING (0-10VDC PLUS SHIELD) MUST BE FIELD INSTALLED FROM CONTROL PANEL TO THE EXHAUST FAN AND TERMINATED AT BOTH ENDS. 2 STRANDS, 18 GAUGE MINIMUM SHIELDED, PLENUM RATED CABLE IS SUGGESTED.

EQUIPMENT SCHEDULE												
Direct Drive Upblast Centrifugal Roof Exhaust Fan MARK: EF-875												
Qty	Access Model	Volume (CFM)	Static (in wg)	FRPM	Operating Power (hp)	Weight (Lb.)	Size (in)	V/C/P	Encd.	Motor Speed	Winding	FLA
1	XRUD-141-VG	875	1	1,261	0.29	126	0.75	115/60/1	OP	1550	1	13.8

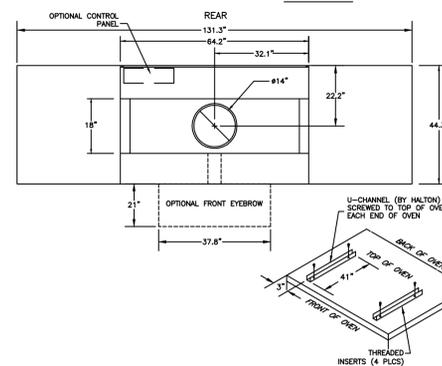
OPTIONS AND ACCESSORIES

UL/CUL 765 Listed - "Power Ventilators for Rest. Est. Appliances"
Switch, NEMA-3R, Toggle, Junction Box Mounted & Wired
Hinged Base (Attached)
Curb Seal (Attached)
Grease Trap (PN 475538)

- XRUD-141-VG EXHAUST FAN
- ALUMINUM HOUSING
 - BACKWARD INCLINED ALUMINUM WHEEL
 - ALUMINUM CURB CAP WITH PRE-PUNCHED MOUNTING HOLES
 - DRAIN TROUGH
 - MOTOR ISOLATED ON SHOCK MOUNTS
 - CORROSION RESISTANT FASTENERS

- GPF ROOF CURB
- WELDED 18 GA. GALVANIZED CONSTRUCTION
 - ROOF OPENING - THE MAXIMUM ROOF OPENING DIMENSION SHOULD NOT BE GREATER THAN THE ACTUAL TOP OUTSIDE DIMENSION MINUS 2".
 - THE ROOF OPENING MAY NOT BE THE STRUCTURAL OPENING DIMENSION.

NOTE: CONTROL PANEL ON REAR OF OVEN

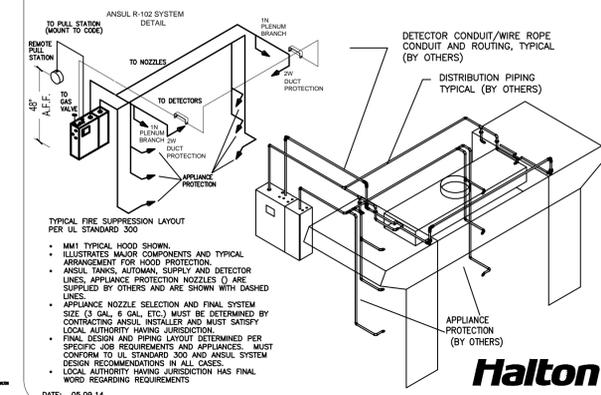


FIELD DUCTWORK BY OTHERS
WELD FIELD DUCT TO 14"Ø EXTENSION

HOOD TRANSITION DUCT

A manual pull station for the hood suppression system is to be installed a min. of 10' and no more than 20' from cooking operations, along the path of egress

ANSUL SYSTEM TO BE INSTALLED ONLY BY LOCAL CODE
TYPICAL SYSTEM LAYOUT

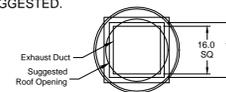


- TYPICAL FIRE SUPPRESSION LAYOUT PER UL STANDARD 300
- MM1 TYPICAL HOOD SHOWN
 - ILLUSTRATES MAJOR COMPONENTS AND TYPICAL ARRANGEMENT FOR HOOD PROTECTION.
 - ANSUL TANKS, AUTOMAN, SUPPLY AND DETECTOR LINES APPLIANCE PROTECTION NOZZLES () ARE SUPPLIED BY OTHERS AND ARE SHOWN WITH DASHED LINES
 - APPLIANCE NOZZLE SELECTION AND FINAL SYSTEM SIZE (3 GAL, 6 GAL, ETC.) MUST BE DETERMINED BY CONTRACTING ANSUL INSTALLER AND MUST SATISFY LOCAL AUTHORITY HAVING JURISDICTION.
 - FINAL DESIGN AND PIPING LAYOUT DETERMINED PER SPECIFIC JOB REQUIREMENTS AND APPLIANCES. MUST CONFORM TO UL STANDARD 300 AND ANSUL SYSTEM DESIGN RECOMMENDATIONS IN ALL CASES.
 - LOCAL AUTHORITY HAVING JURISDICTION HAS FINAL WORD REGARDING REQUIREMENTS

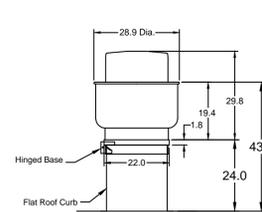
DATE: 05.09.14

GENERAL NOTES:

- DO NOT SCALE DRAWING, USE DIMENSIONS AS INDICATED.
- IT IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR TO OBTAIN ALL PERMITS AND APPROVALS FROM ALL STATE AND LOCAL OFFICIALS PRIOR TO PROCEEDING WITH INSTALLATION. THESE DRAWINGS ARE TO SERVE AS BASIC DESIGN ONLY AND ANY STATE OR LOCAL ORDINANCE WHICH IS MORE RESTRICTIVE SHALL PREVAIL.
- IT IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR TO CHECK BUILDING ACCESS AND FIELD CONDITIONS TO ALLOW FOR ADEQUATE CLEARANCES FOR THE EQUIPMENT TO BE BROUGHT IN AND INSTALLED.
- AIR INTAKES MUST BE NO CLOSER THAN 10 FEET FROM ANY EXHAUST OR VENT OUTLET.
- EXHAUST DUCTWORK TO BE CONSTRUCTED OF 16 GA. B.I. OR 18 GA STAINLESS STEEL AND CONTINUOUSLY WELDED. DUCT CLEAN OUTS SHALL BE PROVIDED AT EVERY CHANGE IN DIRECTION. INSTALLING CONTRACTOR SHALL VERIFY ANY REQUIREMENTS FOR INSULATION OF THE EXHAUST DUCT. EXHAUST FAN(S) SHALL EXTEND A MINIMUM OF 40 INCHES ABOVE ROOF SURFACE AND BE PROPERLY FLASHED TO ADJOINING MATERIAL.
- VERIFY ALL STRUCTURAL LOADS WITH ARCHITECT OF RECORD.
- THESE DRAWINGS ARE TO SERVE AS A BASIC DESIGN ONLY AND ANY STATE OR LOCAL ORDINANCE WHICH IS MORE RESTRICTIVE SHALL PREVAIL.
- IT IS THE RESPONSIBILITY OF THE OWNER/ARCHITECT TO ENSURE THE HOOD CLEARANCE FROM COMBUSTIBLES (AND NON OR LIMITED COMBUSTIBLES) IS IN COMPLIANCE WITH THE LATEST EDITION OF THE NATIONAL FIRE PROTECTION ASSOCIATION BULLETIN #96.
- FIRE SUPPRESSION SYSTEM, PROVIDED AND INSTALLED BY OTHERS.

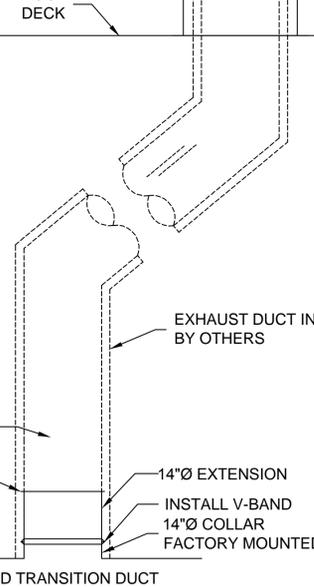


TOP VIEW



FRONT VIEW

ROOF DECK

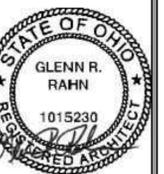


7580 48th Street, S.E.
Grand Rapids, MI, 49512
P. 616.634.2253
Glenn@rdv-llc.com

3057 Tumbery Ct
Grove City, OH 43123



DATE ISSUED FOR:
03.09.2016 REVIEW
04.21.2016 Per City



THIS DRAWING IS THE SOLE PROPERTY OF RETAIL DESIGN CONSULTANTS LLC AND IS A COPYRIGHTED DOCUMENT AND IS NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN CONSENT.

M102

Electrical Key Notes

- 2 POLE 30 AMP 250V, NEMA 1 DISCONNECT SWITCH FUSED PER UNIT NAMEPLATE. FINAL CONNECTION WITH SEAL-TITE.
- INDICATES (1) SWITCH FOR HOOD EXHAUST CONTROL AND (1) SWITCH FOR HOOD LIGHTING CONTROL. VERIFY EXACT LOCATION.
- NEW HVAC EQUIPMENT, COORDINATE EXACT LOCATION WITH MECHANICAL.
- PROVIDE ELECTRICAL CONNECTION TO NEW AND RELOCATED AIR HANDLING UNITS. NOT USED.
- INTERLOCK MECHANICAL UNITS WITH EF-1. (SEE SHEET M101 & M102 FOR MECHANICAL AND HOOD DWG'S)
- EXHAUST FAN TO BE POWERED FROM LOCAL LIGHTING CIRCUIT AND SWITCHED WITH LIGHTS.
- NOT USED.
- INSTALL OUTLET ABOVE STOREFRONT WINDOW.
- INSTALL CONDUITS AT WALKIN COOLER AND FREEZER PER NEC 300-7.
- REFER TO COMPUTER OUTLET DETAIL FOR NUMBER AND TYPE OF RECEPTACLES AT ALL POS/COMPUTER LOCATIONS.
- POWER & DATA IN POWER POLE TO CUT TABLE. FULL HEIGHT POWER POLE TO BE LOCATED AFTER CUT TABLE IS ON SITE.
- EXTERIOR SIGNAGE CIRCUIT ("J" BOX LOCATED UNDER SOFFIT, WIRE THRU TORK 7 DAY TIME CLOCK NEXT TO ELECTRICAL PANEL.
- MIXER RECEPTACLE TO BE MOUNTED AT 48" AFF.
- PIZZA OVEN REQUIRES A NEUTRAL AND GROUND WIRE GOING BACK TO PANEL.
- THE COOKING EQUIPMENT UNDER THE HOOD IS TO BE INTERLOCKED WITH THE KITCHEN HOOD EXHAUST FANS SO THE KITCHEN EQUIPMENT CANNOT OPERATE UNLESS THE HOOD EXHAUST FAN IS OPERATING.
- ALL ELECTRICAL EQUIPMENT LOCATED UNDER A TYPE 1 EXHAUST HOOD IS TO BE INTERLOCKED WITH THE ANSUL SYSTEM. WHEN THE ANSUL SYSTEM IS ACTIVATED THE ELECTRICAL EQUIPMENT LOCATED UNDER THE HOOD IS TO BE TURNED OFF (DE-ENERGIZED).
- NOT USED.
- PROVIDE NEMA-3R WATERPROOF DISCONNECT AND WIRING WHIP TO NEW CONDENSING UNIT.
- MOUNT TELEPHONE BOARD ABOVE ARCHWAY, BOARD EXTENDS PARTIALLY ABOVE THE CEILING.
- OVEN OUTLETS TO BE 14" FROM END OF WALL.

TYPE	MANUFACTURER	CATALOG NUMBER	VOLTS	WATTS	LAMPS	LAMP TYPE	MOUNTING	DESCRIPTION
AE	DAYBRITE	2XL64L55-4-UV	120	40	2	INTEGRATED LED	GRID	2X4 LAYIN LED LENSED TROFFER
AZ	DAYBRITE	2XL64L55-2-UV	120	32.8	NA	INTEGRATED LED	GRID	W/ 90 MINUTE BATTERY BACKUP
AD	DAYBRITE	S0R-643-REE	120	NA	NA	SEEBELOW	SUSPENDED	2X2 LAYIN LED LENSED TROFFER
DLAMP	PHILIPS	423491-11A19ENID2700DM61	120	11.0	LED	NA	NA	Table Top Red Pendant LAMP
DSADAPTER	LIGHTFOJLER	7598BK	120	NA	NA	GRID	GRID	Pendant Track Adapter
D1	LIGHTFOJLER	6001NBK	120	NA	NA	GRID	GRID	4 Track with Live End
D2	LIGHTFOJLER	6002NBK	120	NA	NA	GRID	GRID	8 Track with Live End
D3	LIGHTFOJLER	6003NBK	120	NA	NA <td GRID	GRID	8 Track with Joiner	
D3	LIGHTFOJLER	9021BK	120	NA	SEEBELOW	TRACK	TRACK	Incandescent PAR Track Head
D3LAMP	PHILIPS	432962-12PAR30SF252700AF50-B	120	12.0	LED	INTEGRATED LED	GRID	Mini Pendant Holder
D5	FORECAST	F5100-10W	120	NA	SEEBELOW	GRID	GRID	Mini Pendant Glass Shade (Red/Cirrus)
D5GLASS	FORECAST	F5103	120	NA	NA	NA	NA	Mini Pendant Glass Shade (Red/Cirrus)
D5LAMP	PHILIPS	423491-11A19ENID2700DM61(White)	120	11.0	LED	NA	GRID	LAMP
DSADAPTER	LIGHTFOJLER	7598BK	120	NA	NA	GRID	GRID	Pendant Track Adapter
L-FRAME	LIGHTFOJLER	1101LED09N271	120	21.0	NA	INTEGRATED LED	GRID	Uniframe 950 Lumens 2700K
L-TRIM	LIGHTFOJLER	1113CD	120	NA	NA	INTEGRATED LED	WALL	Semi Specular LED Downlight Trim
E1	CHLORIDE	VCRW	120	22.0	NA	INTEGRATED LED	WALL	Exit with Dual Head Emrgy (Remote/Capacity)
E2	CHLORIDE	VU-6	120	12.0	NA	INTEGRATED LED	WALL	Dual Head Emergency
E3	CHLORIDE	VW2RHP	120	126.4	NA	INTEGRATED LED	WALL/BDFIT	Dual Head Remote

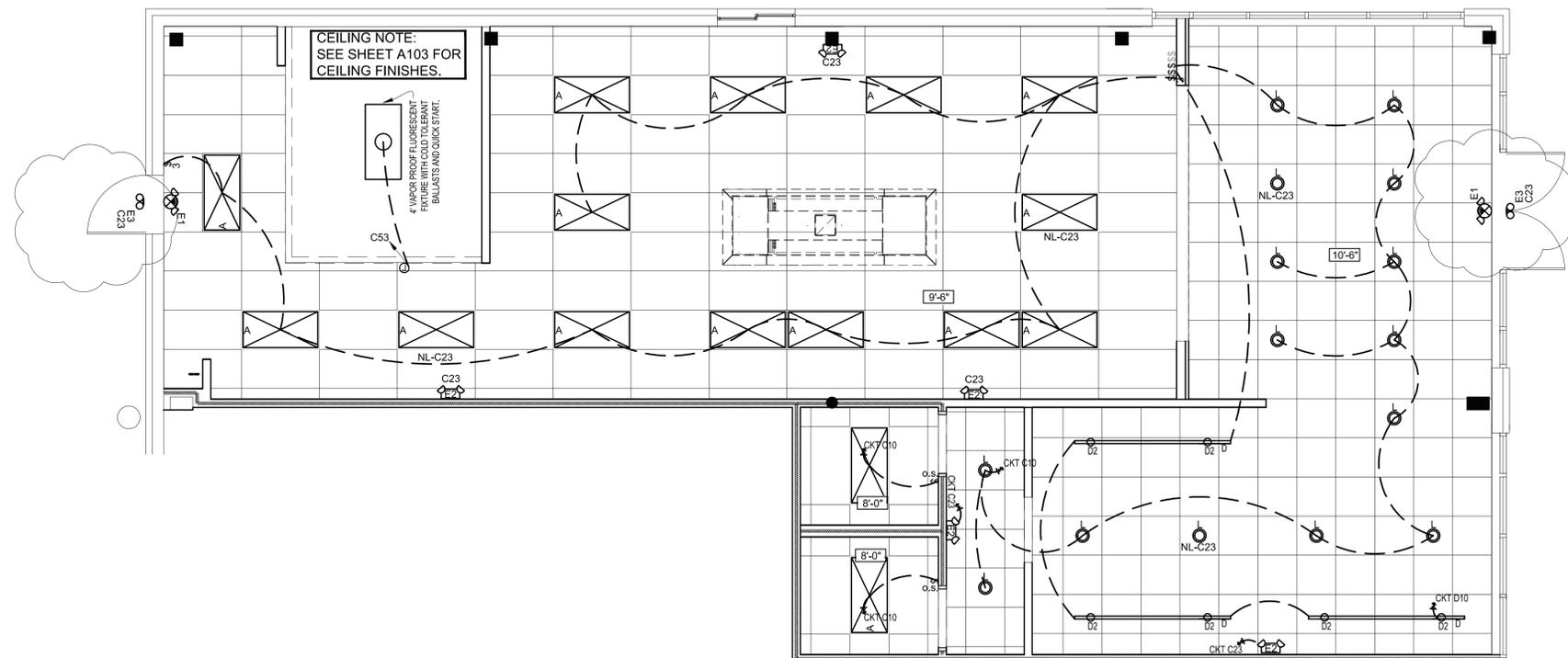
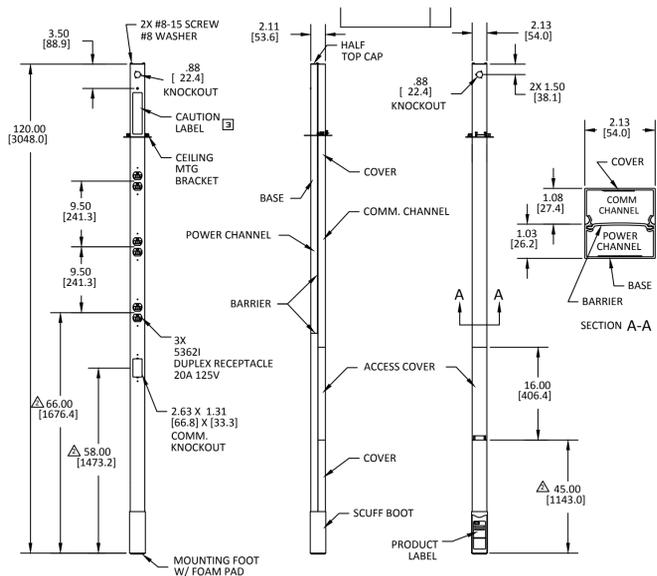
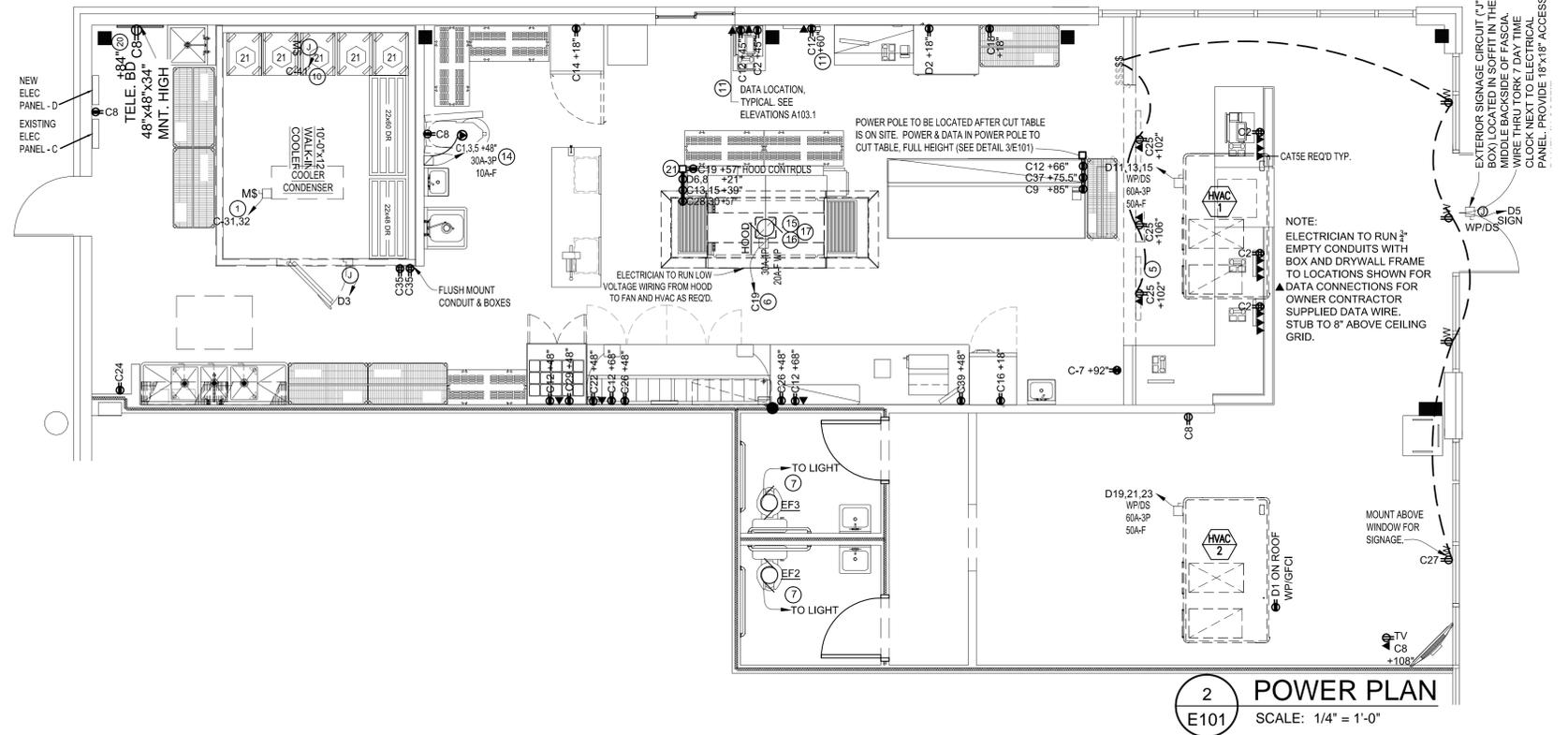
Electrical Symbol Legend

⊞	SINGLE POLE SWITCH 20A-120V M.H. 4-0" A.F.F.
⊞	DUPLEX RECEPTACLE 20A-120V - M.H. NO LESS THAN 15" A.F.F. UNLESS NOTED OTHERWISE. LUTRON CAR-15-GFTRH-WH GROUND FAULT INTERRUPTER OR EQUAL WITH LED INDICATOR.
⊞	DUPLEX RECEPTACLE SWITCHED W/ LIGHTS, MOUNT JUST ABOVE AND CENTERED ON WITHIN WINDOW 10'-0" A.F.F.
⊞	DUPLEX RECEPTACLE W/ COVER
⊞	JUNCTION BOX
⊞	FUSED DISCONNECT SWITCH, SIZE OF SWITCH AND FUSE AS INDICATED ON PLAN
⊞	MOTOR FRACTIONAL HP UNLESS INDICATED ON PLAN
⊞	QUAD PLEX RECEPTACLE W/ GROUND FAULT INTERRUPTER

NOTE: ALL OUTLETS IN KITCHEN AREA TO BE GFI PROTECTED UNLESS SPECIFICALLY NOTED OTHERWISE.

KITCHEN LIGHTING LEVELS

- ADJUST/ADD LIGHTS PER LOCAL CODE MINIMUM LIGHTING REQUIREMENTS ARE:
- AT LEAST 10 FOOT CANDLES (110 LUX) @ A DISTANCE OF 30 INCHES (75 CM) ABOVE THE FLOOR IN WALK-IN REFRIGERATION UNITS AND DRY FOOD STORAGE AREAS AND ROOMS DURING PERIODS OF CLEANING.
 - AT LEAST 50 FOOT CANDLES (540 LUX) AT A SURFACE WHERE FOOD IS PROVIDED FOR CONSUMER SELF SERVICE SUCH AS BUFFETS AND SALAD BARS OR WHERE FRESH PRODUCE OR PACKAGED FOODS ARE SOLD OR OFFERED FOR CONSUMPTION; INSIDE EQUIPMENT SUCH AS REACH IN AND UNDER COUNTER REFRIGERATORS; AT A DISTANCE OF 30 INCHES (75 CM) ABOVE THE FLOOR IN AREAS USED FOR HANDWASHING, WAREWASHING, AND EQUIPMENT AND UTENSIL STORAGE AND IN TOILET ROOMS.
 - AT LEAST 50 FOOT CANDLES (540 LUX) AT A SURFACE WHERE A FOOD EMPLOYEE IS WORKING WITH FOOD OR WORKING WITH UTENSILS OR EQUIPMENT SUCH AS KNIVES, SLICERS, GRINDERS, OR SAWS WHERE EMPLOYEE SAFETY IS A FACTOR.

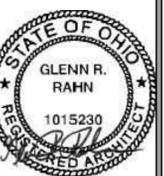


7580 48th Street, S.E.
Grand Rapids, MI 49512
P. 616.634.2253
Glenn@rdc-llc.com

3057 Turnberry Ct
Grove City, OH 43123

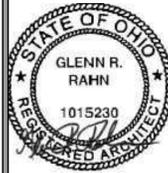
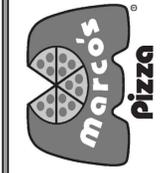


DATE ISSUED FOR:
03.09.2016 REVIEW
04.21.2016 Per City



THIS DRAWING IS THE SOLE PROPERTY OF RETAIL DESIGN CONSULTANTS LLC AND IS A COPYRIGHTED DOCUMENT AND IS NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN CONSENT.

E101



Plumbing Notes

- PIPE AND DUCT HANGERS SHALL BE UNISTRUT 2000 WITH 5/16" RODS AND LITCHFIELD CLIC SYSTEMS 316 S.S. ACCESSORIES. CLIC PIPE SUPPORT CLAMPS OR UNI-CUSHION CLAMPS. SIZE OF CLAMPS SHALL BE DETERMINED BY THE MANUFACTURER BASED ON THE TYPE AND LOAD OF EACH SYSTEM.
- ALL WATER PIPING SHALL BE TYPE 'L' COPPER ASTM B-88 HARD W/ ANSI B16.22 WROUGHT COPPER FITTINGS AND NONLEAD SOLDERED JOINTS. UNDERGROUND PIPING SHALL BE TYPE 'K' SOFT ASTM B-88 W/ NO JOINTS AND ROLLED RADIUS TURNS UNKINKED. PEX PIPING WITH ASSOCIATED FITTINGS IS THE PREFERRED PIPING TO BE USED WHERE ALLOWED BY STATE AND LOCAL CODE. VERIFY BEFORE PURCHASING OR INSTALLING.
- ALL GAS, VACUUM, AND COMPRESSED AIR PIPING SHALL BE SCHEDULE 40 ASTM A-120/53 W/ MALLEABLE IRON 125 LB. FITTINGS. ALL JOINTS SHALL BE TEFLON TAPE AND PIPING CAULKED.
- ALL GAS PIPING TO BE PROVIDED AND INSTALLED BY THE PLUMBING CONTRACTOR, COORDINATE EXACT LOCATIONS WITH MECHANICAL CONTRACTOR.
- ALL SANITARY SEWER SHALL BE CAST IRON SCHEDULED 40 HUBLESS CISPI STANDARD 301-78 ANY PIPING LOCATED EXPOSED OR IN A RETURN AIR PLENUM SPACE SHALL BE CAST IRON. VENT PIPING SHALL BE THE SAME MATERIAL AS SANITARY SEWER. SCHEDULE 40 PVC MAY BE USED WHERE ALLOWABLE BY STATE AND LOCAL CODE. VERIFY BEFORE PURCHASING OR INSTALLING. ALL INDIRECT WASTE MUST DISCHARGE THROUGH AN AIR GAP AT LEAST TWICE THE DIAMETER OF THE INDIRECT WASTE PIPE PER THE PLUMBING CODE.
- VALVES SHALL BE OF THE TYPE AND DESIGN FOR SERVICES BEING USED.
BALL - BRONZE BODY 125 LB. WOG NIBCO T OR S-80Y.
GATE - " S-111.
GLOBE - " S-211.
CHECK - " S-413-B.
GAS COCKS - " NORDSTROM 142.
OTHER APPROVED MANUFACTURERS ARE APOLLO, STICKHAM, GRINNELL, HAMMOND, WALWORTH, LUNKENHEIMER, CRANE OR MILWAUKEE. (OR EQUAL)
- INSULATION FOR PIPING SYSTEMS SHALL BE INSTALLED AS PER MANUFACTURERS INSTRUCTIONS AND RECOMMENDED INSTALLATION PROCEDURES.

WATER LINES - 1/2" CLOSED CELLED FOAM BY HALLSTEAD OR ARMAFLEX FRUL. OPTIONAL 1/2" FIBERGLASS ASTM C-547 W/ ASJ JACKET AND PRE MOLDED PVC FRUL FITTINGS BY KNAUF, OCF OR SCHUELLER. (OR EQUAL.)

STORM SEWER - SAME AS ABOVE.

CONDENSATE SHALL BE 3/4" FIBERGLASS OR PVC AND TO BE SUPPLIED AND INSTALLED BY PLUMBER - SAME AS ABOVE.
A) INSULATE ALL WATER LINES, COLD AND HOT, AND ALL HORIZONTAL STORM SEWER PIPING. B) ALL INSULATION SHALL HAVE A GALVANIZED SLEEVE WHEN RESTING ON THE INSULATION.
- ANY EXPOSED PIPING SHALL HAVE A CHROME ESCUTCHEON PLATE WHERE EXPOSED IN FINISH ROOMS. NO EXPOSED PVC TRAPS OR TAILS ARE ALLOWED. USE STAINLESS STEEL OR COPPER IN THE KITCHEN AND CHROMED BRASS OR PVC IN THE TOILET ROOM. ALL PIPES THAT PASS THROUGH A FIRE WALL SHALL BE CALKED AROUND PENETRATION W/ A FLAME RETARDENT UL SEALANT TO MAINTAIN RATINGS ON WALL. SILICONE CAULK ALL FIXTURES AROUND PERIMETER AFTER FINAL PAINTING OF WALLS.
- ALL PIPING SYSTEMS SHALL BE PRESSURE TESTED FOR 24 HOURS BEFORE FINAL CONNECTION TO EXISTING IN ACCORDANCE W/ CODES.
- ALL FIXTURES SHALL BE AS SHOWN ON THE DRAWINGS AS TO TYPE AND MATERIALS BY ELJER, KOHLER, CRANE, AMERICAN STANDARD, ZURN, WADE, JOSAM, DELANY, SLOAN, PRICE, MOEN, POWERS, SPEAKMAN, CHICAGO FAUCET, BEMIS, OLSONITE, FIAT. (OR APPROVED EQUAL.)

GAS PIPING:
1. ALL GAS PIPING SHALL BE RUN STRAIGHT AND TRUE AND BE INSTALLED IN A QUALITY WORKMANLIKE FASHION PROVIDED AND INSTALLED BY THE PLUMBER, COORDINATE WITH HVAC CONTRACTOR.
2. GAS PIPING SHALL CONFORM TO ALL STATE AND LOCAL CODES, AS WELL AS NATIONAL FUEL GAS CODE RECOMMENDATIONS.
3. PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL SCHEDULE 40 STEEL GAS PIPING AND FITTINGS. HVAC CONTRACTOR SHALL INSTALL ALL NECESSARY VALVES, FITTINGS, REGULATORS, AND SAFETY AND OPERATING DEVICES.

General Notes

- CONTRACTORS ARE TO REVIEW DRAWINGS, VISIT SITE TO DETERMINE EXTENT OF WORK INVOLVED, ADVISE ARCHITECT/ ENGINEER OF ANY DISCREPANCY BEFORE BIDDING THIS PROJECT.
- MECHANICAL CONTRACTOR IS RESPONSIBLE TO PROVIDE A WORKING SYSTEM. COMPLETE AND DEMONSTRATE TO THE OWNER THE WORKING SYSTEMS OF THE SYSTEMS. COMPLETION OF THE JOB WILL INCLUDE CLEAN UP OF ALL WORK PERFORMED BY THIS CONTRACTOR BEFORE FINAL PAYMENT FOR WORK COMPLETED IS PAID.
- ALL WORK IS TO COMPLY WITH ALL LOCAL AND STATE BUILDING CODES, N.E.C., PRESSURE PIPING, SMACNA, AND ASHRAE STANDARDS.
- DRAWINGS ARE TO SCALE AS INDICATED AND REPRESENTS A DIAGRAMMATIC OUTLINE OF WORK TO BE PERFORMED, BUT DO NOT REFLECT ALL INTERFERENCES THAT MAY ARISE IN CONCEALED AREAS THAT COULD NOT BE DETECTED DURING DESIGN OF THESE DOCUMENTS. CONTRACTORS ARE TO INCLUDE THESE CHANGES AS PART OF THEIR BID AND WILL NOT BE PAID ANY EXTRAS UNLESS TO DETERMINED TO BE A SIGNIFICANT CHANGE TO WARRANT A CHANGE ORDER AS DETERMINED BY THE ARCHITECT/ENGINEER.
- ALL WORK PERFORMED WILL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE BY OWNER WITH ANY ADDITIONAL WORK TO BE AT NO COST TO THE OWNER. ALL EQUIPMENT SHALL BE AS SPECIFIED.

Plumbing Fixture Schedule For Tile Floors

MARK	FITTURE	MANUFACTURER	CATALOG NO.	COLOR	WASTE SIZE	WATER		REMARKS	
						COLD	HOT		
WC-1	WATER CLOSET ADA COMPLIANT	KOHLER	K-3679-0 HIGHLINE K-202	WHITE	4"	1/2"	-	WHITE ELONGATED 16-1/2" HIGH BOWL, GRAVITY FEED 1.6 GAL PER FLUSH WITH OPEN FRONT SEAT	
LAV-1	ADA LAVATORY	KOHLER	GREENWICH K-202	WHITE	1-1/2"	1/2"	-	DELTA 541 FAUCET ON 4" CTRS. 0.5 GPM FLOW RESTRICTOR. GRID DRAIN. ADA COMPLIANT.	
MV-1	MIXING VALVE	WATTS	LFMV	-	-	1/2"	1/2"	MOUNT UNDER SINK AND SET TO 110° F MAX. (CONCENTRIC DIRECT VENT, SEALED COMBUSTION, 22,500 BTU/H MAX. GAS INPUT, 4 GPM DELIVERY @ 75° F RISE, SET UNIT @ 100° F. MAY SUBSTITUTE WITH NAVEEN MP-240 OR NORITZ NCC191) IF DR. POLISHED BRONZE TYPE 1" STRAINER, SEDIMENT BUCKET, VINDAL PROOF SCREENS. PROVIDE W/ TRAP PRIMER CONNECTION BY CODE.	
WD-1	WATER HEATER	RINNAI	INSTANT RUC-98	-	-	3/4"	3/4"	-	
FD-1	FLOOR DRAIN	ZURN	ZB415-OVP-Y	-	-	3" or 4"	-	-	
FS-1	FLOOR SINK	ZURN	ZB 1910	-	-	3" or 4"	-	8-1/2" SO. TOP. #2 DEEP. DOME STRAINER. HALF GRATE	
BV-1	BACKWATER VALVE	GATEY	4390	-	-	3"	-	PVC BACKWATER VALVE. ALTERNATE MANUFACTURER OF EQUAL PRODUCT OK.	
WCC-1	WALL CLEANOUT	ZURN	ZV 1446	-	-	LINE SIZE	-	ROUND, POLISHED CHROME COVER	
FCC-1	FLOOR CLEANOUT	ZURN	ZB 1400	-	-	LINE SIZE	-	ROUND, POLISHED BRONZE TOP.	
MS-1	MOP BASIN	FIAT	MSB2424	-	-	3"	1/2"	1/2"	FAUCET #833 AA VACUUM BREAKER, INTEGRAL STOPS, 8322AA HOSE AND BRACKET & 888CC MOP HANGER BRACKET. 50 GPM FLOW RATE 100 LB CAPACITY
GT-1	GREASE TRAP	SCHER	GB-75	-	-	4"	-	-	
HS-1	HANDSINK	KROWNE	HS-2	-	-	1-1/2"	-	1/2"	PROVIDED BY OWNER INSTALLED BY PLUMBER
3-COMP	3 COMPARTMENT SINK	JOHN BOOS	E358-18-12T18-X	SS	IND	1/2"	1/2"	-	PROVIDED BY OWNER INSTALLED BY PLUMBER
PS-1	PREP SINK	JOHN BOOS	E158-18-12-X	SS	IND	1/2"	1/2"	-	PROVIDED BY OWNER INSTALLED BY PLUMBER
WF-1	WATER FILTER	3-M	CFS-22	SS	-	3/4"	3/4"	-	PROVIDED BY OWNER INSTALLED BY PLUMBER
HD-1	HUB DRAIN	ZURN	Z-211-6	-	-	2"	-	-	PROVIDED BY OWNER INSTALLED BY PLUMBER

Plumbing Notes

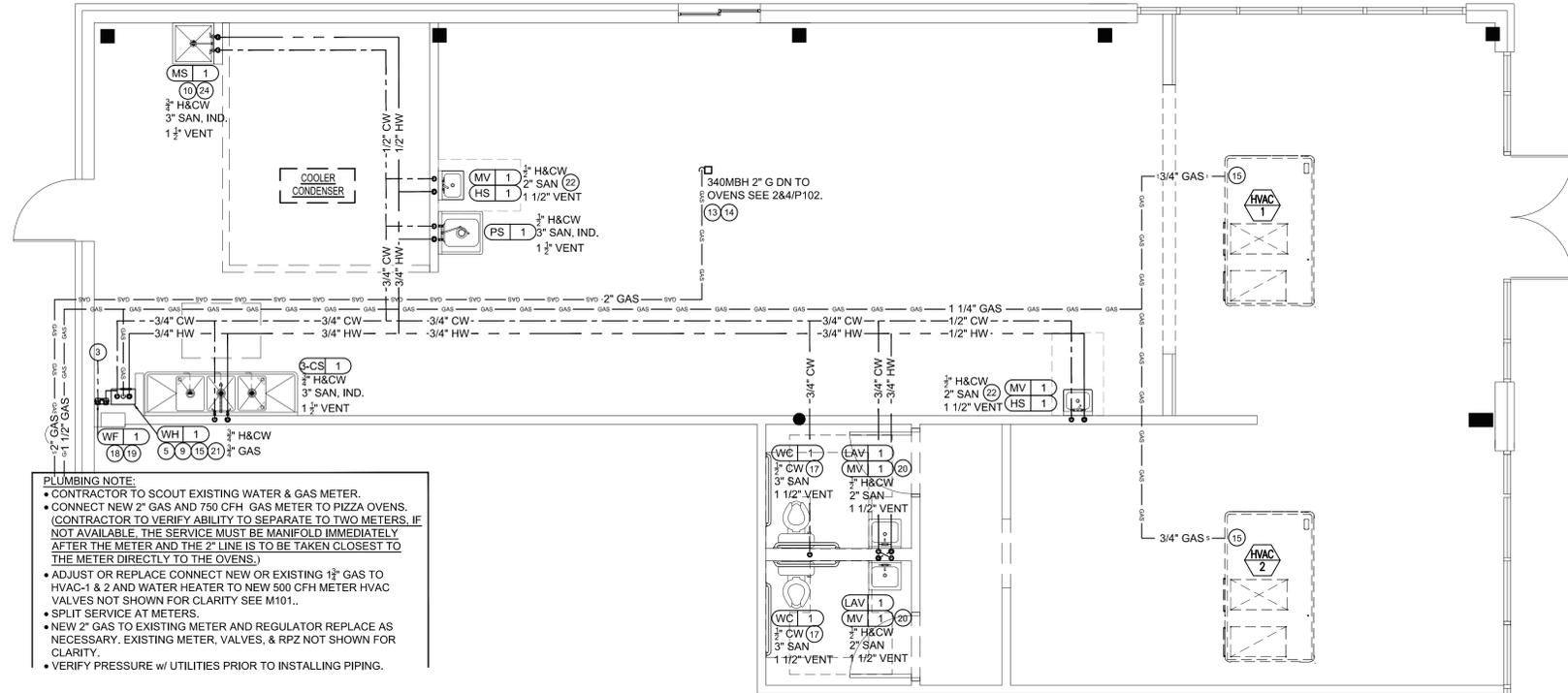
- RUN WATER AND VENT LINES BELOW BOTTOM OF EXISTING ROOF STRUCTURE.
- PLUMBING CONTRACTOR SHALL COORDINATE HIS CONTRACTED WORK WITH THE GENERAL, MECHANICAL, AND ELECTRICAL CONTRACTORS.

Pipe Legend

---	COLD WATER LINE
---	SANITARY SEWER (UNDERGROUND UNLESS OTHERWISE NOTED)
---	VENT
---	HOT WATER LINE

Key Notes

- FREEZER/REFRIGERATION EQUIPMENT IS FURNISHED WITH HEAD SINK IN CONDENSER. NO CONDENSATE LINES FROM EVAPORATORS ARE REQUIRED.
- PLUMBING CONTRACTOR SHALL PROVIDE (2) TIMES THE DIAMETER OF THE DISCHARGE PIPE OR A 2" MINIMUM AIR GAP ON ALL LINES DISCHARGING TO FLOOR SINK.
- PLUMBING CONTRACTOR TO SCOPE EXISTING WATER SUPPLY, GAS, PLUMBING & SEWAGE (PRIOR TO BIDDING) FOR EXISTING CONDITIONS & LOCATIONS. RUN NEW COLD WATER SUPPLY, SANITARY SEWER, AND GREASE AND CONNECT TO EXISTING.
- (3) 1/2" INDIRECT WASTE MANIFOLDED BY PLUMBING CONTRACTOR TO FLOOR SINK.
- REFER TO MECHANICAL DRAWING FOR WATER HEATER FLUE ROUTING.
- CONTRACTOR TO INSTALL TRAP PRIMER (TP) ON FLOOR DRAIN WHERE INDICATED.
- 1/2" INDIRECT WASTE ON ITEM PS (PREP SINK) EXTEND TO FS AS REQUIRED.
- CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE NEW GAS PIPING AND METER INSTALLATION WITH LOCAL UTILITY. PROVIDE GAS LINE TO GAS FIRED AIR CONDITIONING UNIT(S), WATER HEATER AND PIZZA OVEN(S). CONTRACTOR SHALL INCLUDE ALL FEES ASSOCIATED WITH NEW GAS PIPING.
- PLUMBING CONTRACTOR TO RUN 1" FILTERED SUPPLY FROM WF-1 TO WH-1 AND 3/4" HW FROM WH-1 TO SUPPLY ALL PLUMBING FIXTURES THAT REQUIRE HOT WATER.
- 3/4" HW & CW DOWN TO "PRE-RINSE ASSEMBLY" FOR 3 COMPARTMENT SINK.
- CONNECT EXISTING CW SERVICE WITH SHUT-OFF VALVE. CONTRACTOR TO VERIFY LOCATION AND SIZE OF EXISTING WATER SERVICE. CONFIRM METERING REQUIREMENTS WITH BUILDING AND UTILITY AND PROVIDE AND INSTALL APPROVED SUB-METER. COORDINATE BACKFLOW PREVENTION REQUIREMENTS WITH LOCAL AUTHORITY AND PROVIDE AND INSTALL APPROVED BFP AS REQUIRED.
- NOT USED.
- CONNECT NEW 2" GAS (340 MBH TOTAL) FROM NEW GAS DOWN TO CONVEYOR OVEN - DOUBLE DECK. REFER TO PIZZA OVEN GAS CONNECTION THIS SHEET (170 MBH EACH). COORDINATE EXACT LOCATION AND SIZE OF EACH CONNECTION WITH OVEN MANUFACTURER. PROVIDE GAS REGULATOR FOR OPERATION OF EQUIPMENT. THE CONTRACTOR INSTALLING THE GAS PIPING TO PROVIDE THE QUICK DISCONNECT TO MATE WITH THE CONNECTION PROVIDED BY THE OVEN MANUFACTURER.
- AUTOMATIC GAS SHUT-OFF VALVE PROVIDED AND INSTALLED BY P.C. INSTALL BELOW CEILING PER LOCAL FIRE MARSHAL REQUIREMENTS.
- PROVIDE GAS COCK, DIRT LEG ASSEMBLY, UNION AND GAS PRESSURE REGULATOR.
- PLUMBING CONTRACTOR TO VERIFY METER BANK LOCATION; GAS PIPE SIZE BASED ON THE FUEL GAS CODE LISTED ON THE COVER OF THESE DRAWINGS. USE TABLE 402.4(2), SCHEDULE 40 METALLIC PIPE, LESS THAN 2 PSI SYSTEM PRESSURE, 0.5" W.C. PRESSURE DROP.
- 3/4" CW TO WATER CLOSET.
- 1" CW DOWN TO WATER FILTER SYSTEM PROVIDED BY OWNER (CONNECT ALL PIPING / FIXTURES AFTER WATER FILTER SYSTEM TO PROVIDE FILTERED WATER TO ENTIRE SPACE SHOWN IN PLAN). PLUMBING CONTRACTOR TO ROUGH-IN AND CONNECT FILTER SYSTEM, PLUMBING CONTRACTOR TO RUN 3/4" HW FROM HW. SEE WATER PIPING PLAN AND ISOMETRIC FOR REMAINDER OF PIPING. WATER FILTER DESIGNED ON 1" CW SUPPLY, ADJUST AS REQUIRED BY SITE CONDITIONS.
- FURNISH AND INSTALL NEW TEMPERING VALVE BELOW SINK. SEE DETAIL ON P102.
- CONTRACTOR SHALL EXTEND WATER HEATER FLUE VENT CONDENSATE TO MOP SINK.
- 3" DIRECT WASTE FOR MOP SINK.
- 3/4" HW & CW TO MOP SINK.
- ASSUMED EXISTING 4" SANITARY TO REMAIN IN SERVICE. DETERMINE EXACT LOCATION, FLOW DIRECTION, AND DEPTH IN FIELD.



2 WATER AND GAS PIPING PLAN
SCALE: 1/4" = 1'-0"

DRAINAGE FIXTURE UNITS TABLE

Plumbing Fixture	Drainage Fixture Units	Number of Fixtures	Total Drainage Units
Water Closet	4	2	8
Lavatories	1	2	2
Hand Sinks	2	2	4
Mop Sink	3	1	3
Floor Sink	3	3	9
Hub Drain	2	1	2
Floor Drain	2	2	4
			0
Total			32

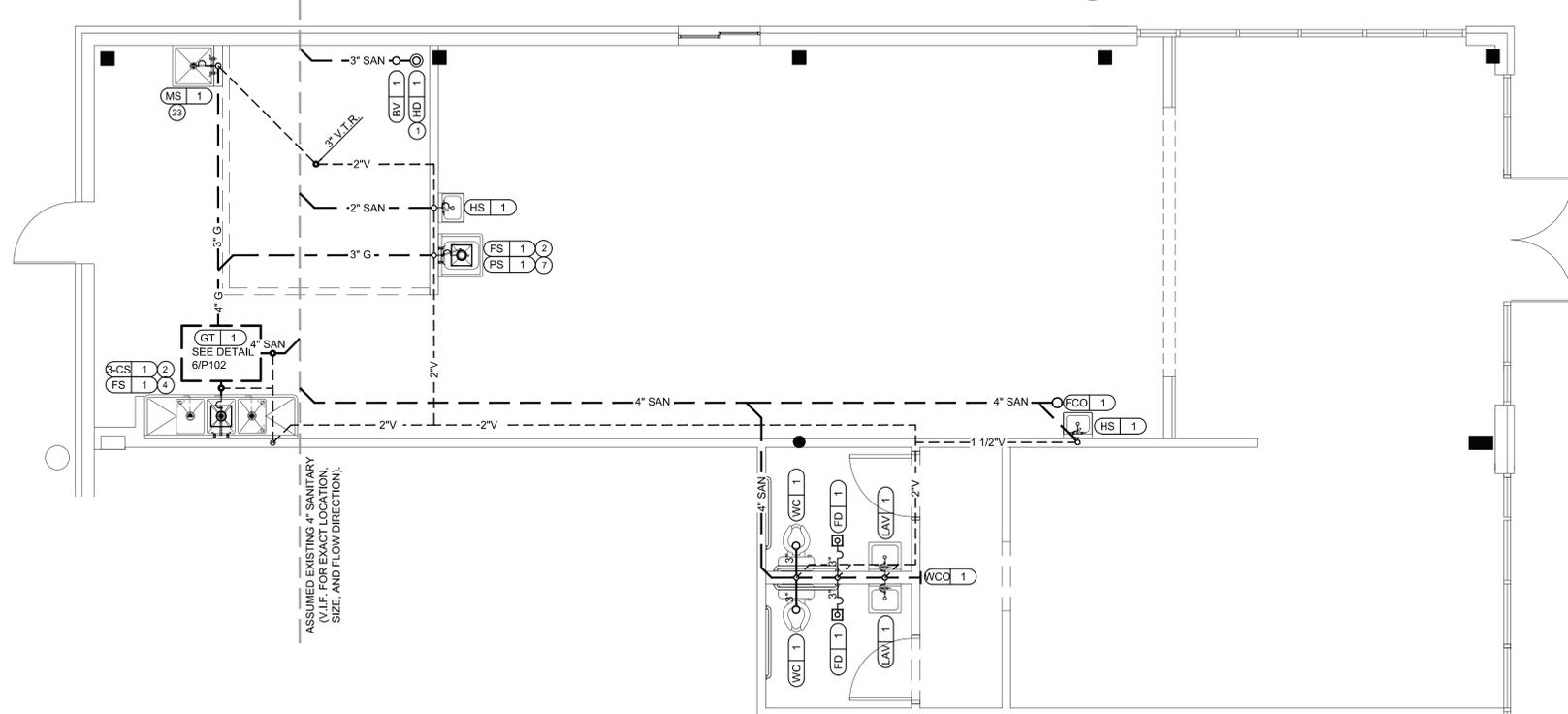
WATER FIXTURE UNITS TABLE

Plumbing Fixture	Water Fixture Units	Number of Fixtures	Total Water Fixture Units
Water Closet	2.5	2	5.0
Lavatories	1.0	2	2.0
Hand Sinks	1.0	2	2.0
Mop Sink	3.0	1	3.0
Prep Sink	3.0	1	3.0
3 Compartment Sink	4.0	1	4.0
			0.0
			0.0
Total			19.0

GAS LOAD TABLE

Gas Fixture	Unit MBH Load	Number of Fixtures	Total Connected MBH
Water Heater	199.0	1	199.0
Pizza Ovens	175.0	2	350.0
HVAC-1	120.0	1	120.0
HVAC-2	80.0	1	80.0
FUTURE OVEN	175.0	1	175.0
			0.0
Total			924.0

PIPE LENGTH TO MOST REMOTE APPLIANCE IS TO BE VERIFIED IN FIELD. GAS SUPPLY TO OVENS TO BE A MINIMUM OF 7" WATER COLUMN AT OVENS. P.C. TO VERIFY WITH GAS COMPANY

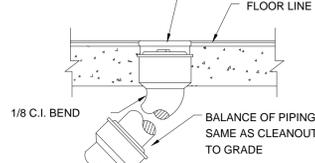


1 UNDERFLOOR PLUMBING PLAN
SCALE: 1/4" = 1'-0"

PLUMBING NOTE:
 • CONTRACTOR TO SCOUT EXISTING WATER & GAS METER.
 • CONNECT NEW 2" GAS AND 750 CFH GAS METER TO PIZZA OVENS. (CONTRACTOR TO VERIFY ABILITY TO SEPARATE TO TWO METERS, IF NOT AVAILABLE, THE SERVICE MUST BE MANIFOLD IMMEDIATELY AFTER THE METER AND THE 2" LINE IS TO BE TAKEN CLOSEST TO THE METER DIRECTLY TO THE OVENS.)
 • ADJUST OR REPLACE CONNECT NEW OR EXISTING 1/2" GAS TO HVAC-1 & 2 AND WATER HEATER TO NEW 500 CFH METER HVAC VALVES NOT SHOWN FOR CLARITY SEE M101.
 • SPLIT SERVICE AT METERS.
 • NEW 2" GAS TO EXISTING METER AND REGULATOR REPLACE AS NECESSARY. EXISTING METER, VALVES, & RP2 NOT SHOWN FOR CLARITY.
 • VERIFY PRESSURE W/ UTILITIES PRIOR TO INSTALLING PIPING.

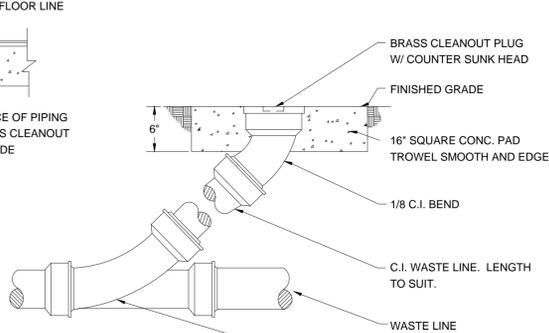
ASSUMED EXISTING 4" SANITARY (V.I.F. FOR EXACT LOCATION, SIZE, AND FLOW DIRECTION).

CLEANOUT AND ACCESS COVER. TOP OF COVER TO BE FLUSH W/ TOP OF FLOOR.



FLOOR CLEANOUT (FCO)

CLEANOUT NOT TO BE LOCATED IN CARPETED AREA.



7 (TYP.) FLOOR CLEANOUT (FCO) DETAIL
P102 SCALE: NONE

GREASE INTERCEPTOR CALCULATIONS

3-COMP SINK - 3 BOWL 18.00 X 18.00 X 12.00 (BOWL INSIDE DIMENSIONS) X 3 BOWLS = 11.664 CU IN.
CONVERSION TO GPM = 11.664/2.31 = 50.49 GPM (1 US GALLON REQUIRES A VOLUME OF 2.31 CU IN. OF WATER)
ALLOWANCE FOR DISPLACEMENT = 50.49 X .75 = 37.87 GPM (SINKS FILLED TO 75% DEPTH OF BOWL)

1-COMP SINK - 1 BOWL 18.00 X 18.00 X 12.00 (BOWL INSIDE DIMENSIONS) = 3.888 CU IN.
CONVERSION TO GPM = 3.888/2.31 = 16.83 GPM (1 US GALLON REQUIRES A VOLUME OF 2.31 CU IN. OF WATER)
ALLOWANCE FOR DISPLACEMENT = 16.83 X .75 = 12.62 GPM (SINKS FILLED TO 75% DEPTH OF BOWL)

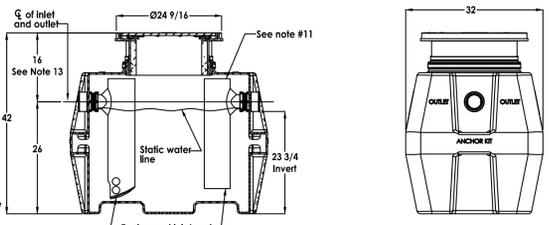
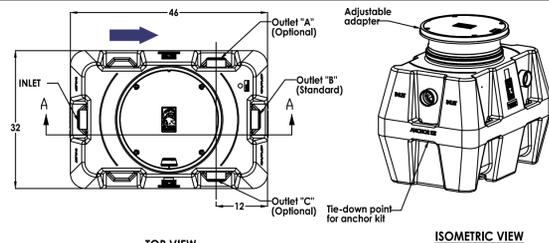
MOP SINK - CONTROLLED BY FAUCET - @ 60 PSI - HOT 2.16 GPM, COLD 1.84 GPM = 4 GPM TOTAL.

37.87 + 12.62 + 4 = 54.69 GPM REQUIRED FLOWRATE (MINIMUM) FOR GREASE TRAP.

GREASE TRAP SELECTED IS RATED AT 75 GPM.

- SPECIFICATIONS**
1. Inlet/Outlet Sch. 40, Plain End (No-Hub)
 2. Max flow rate: 75 GPM
 3. Liquid capacity: 125 Gallons
 4. Max grease capacity: 416 lbs. (84 Gallons)
 5. Max solids/sediment capacity: 19.2 Gallons
 6. Unit weight w/ lid covers: 130 lbs.
 7. composite cover (choose one).
 8. Maximum operating temperature 198 continuous.
 9. Seamless molded polyethylene tank.

- NOTES**
1. Listed by IAPMO to ASME grease interceptor standard #A112.14.3 and CSA 848.1
 2. Factory installed built-in flow control.
 3. For gravity drainage applications only.
 4. Do not use for pressure applications.
 5. Unit supplied with built-in adaptor for up to 6\"/>



SPECIFICATION SHEET

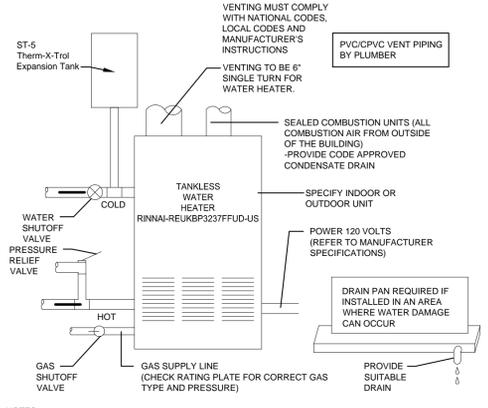
MODEL NUMBER: GB-75 PART NUMBER: 4045-001-XX

DESCRIPTION: 75 GPM POLYETHYLENE GREASE INTERCEPTOR

Schier Products
9500 Woodend Road
Edwardsville, KS 66111
Tel: 800-827-7119
Fax: 800-827-5464
www.schierproducts.com
Made in the U.S.A.

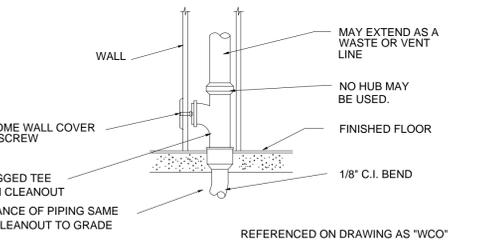
DWG BY: N.EBERT DATE: 07/02/2014 REV: 5 ECO: 1035

6 GREASE INTERCEPTOR DETAIL
P102 SCALE: NONE

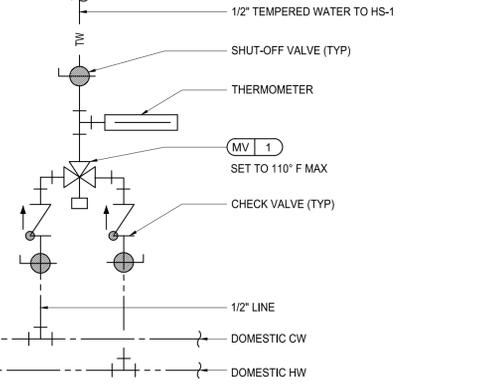


NOTES:
-WATER HEATER MUST BE INSTALLED TO CONFORM WITH CURRENT NATIONAL ELECTRIC CODE, NATIONAL FUEL GAS CODE, AND ANY APPLICABLE LOCAL PLUMBING, ELECTRICAL, HEATING AND AIR CONDITIONING CODES, AND MANUFACTURER INSTALLATION INSTRUCTIONS
-PROTECT HEATER FROM FREEZING
-SPECIFY NATURAL GAS OR PROPANE

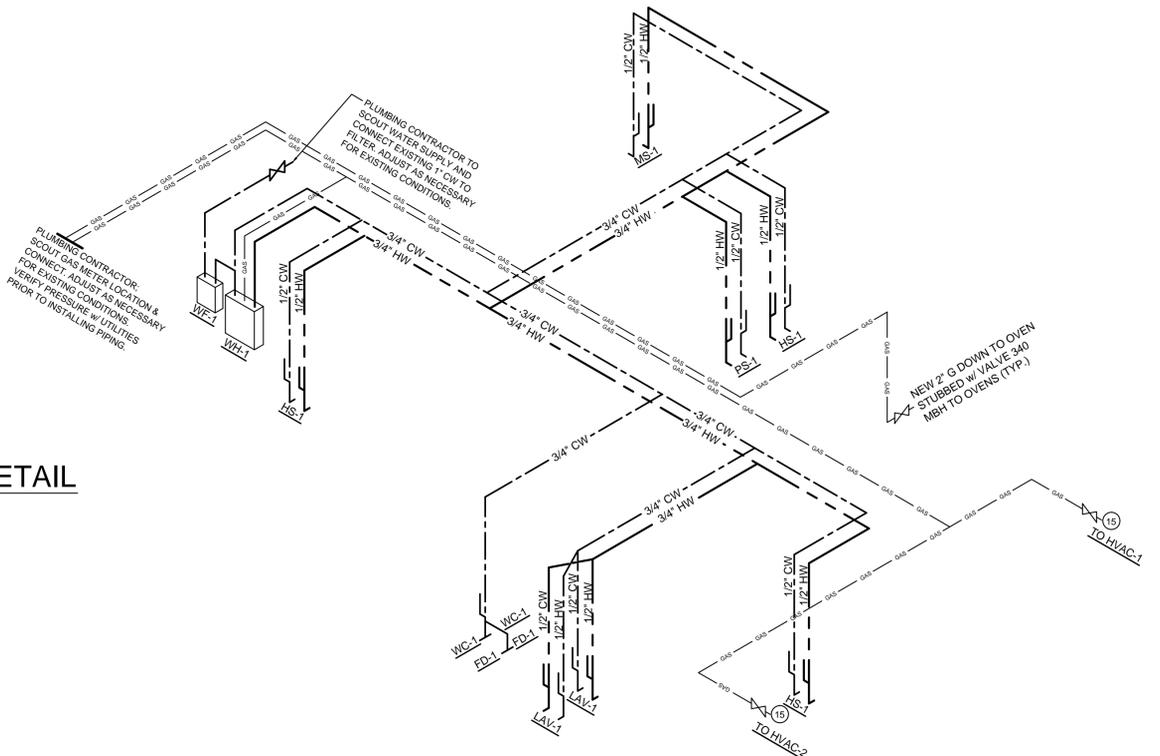
5 TANKLESS WATER HEATER DETAIL
P102 SCALE: NONE



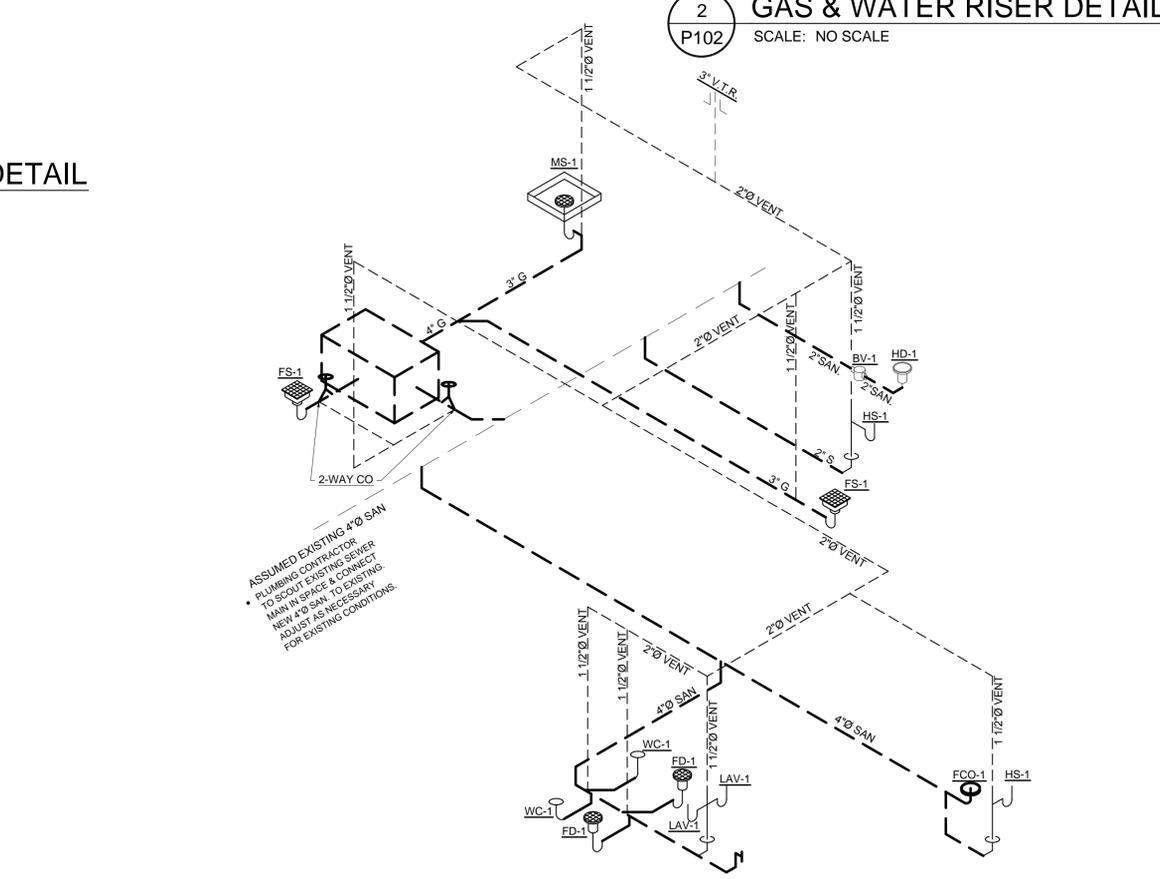
4 (TYP.) WALL CLEANOUT (WCO) DETAIL
P102 SCALE: NONE



3 MIXING VALVE
P102 SCALE: NO SCALE



2 GAS & WATER RISER DETAIL
P102 SCALE: NO SCALE



1 DRAINAGE RISER DETAIL
P102 SCALE: NO SCALE



7580 48th Street, S.E.
Grand Rapids, MI 49512
P. 616.634.2253
Glenn@rdc-llc.com

3057 Turnberry Ct
Grove City, OH 43123

DATE ISSUED FOR:
03.09.2016 REVIEW

04.21.2016 Per City



THIS DRAWING IS THE SOLE PROPERTY OF RETAIL DESIGN CONSULTANTS LLC AND IS A COPYRIGHTED DOCUMENT AND IS NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN CONSENT.

P102

ParcelID: 040-014277-00
TURNBERRY RETAIL CENTER

Map-Rt: 040-M084BC -001-00
3041-3043 TURNBERRY CT

Owner

Owner **TURNBERRY RETAIL CENTER**
LLC

Owner Address

Legal Description **3043 TURNBERRY COURT**
TURNBERRY COURT
DEVELOPMENT LOT 1

Calculated Acres **2.26**
 Legal Acres **2.263**

Tax Bill Mailing **TURNBERRY RETAIL CENTER**
LLC
1115 S 4TH ST
LOUISVILLE KY 40203-4100

[View Google Map](#)

Most Recent Transfer

Transfer Date **APR-25-2007**
 Transfer Price **\$750,000**

2015 Tax Status

Property Class **C - Commercial**
 Land Use **425 - NEIGHBORHOOD SHOPPING CENTER**
 Tax District **040 - CITY OF GROVE CITY**
 School District **2511 - SOUTH WESTERN CSD**
 City/Village **GROVE CITY**
 Township **JACKSON TWP**
 Appraisal Neighborhood **X8200**
 Tax Lien **No**
 CAUV Property **No**
 Owner Occ. Credit **2015: No 2016: No**
 Homestead Credit **2015: No 2016: No**
 Board of Revision **No**
 Zip Code **43123**

2015 Current Market Value

	Land	Improvements	Total

Base	754,100	365,900	1,120,000
TIF			
Exempt			
Total	754,100	365,900	1,120,000
CAUV	0		

2015 Taxable Value

	Land	Improvements	Total
Base	263,940	128,070	392,010
TIF			
Exempt			
Total	263,940	128,070	392,010

2015 Taxes

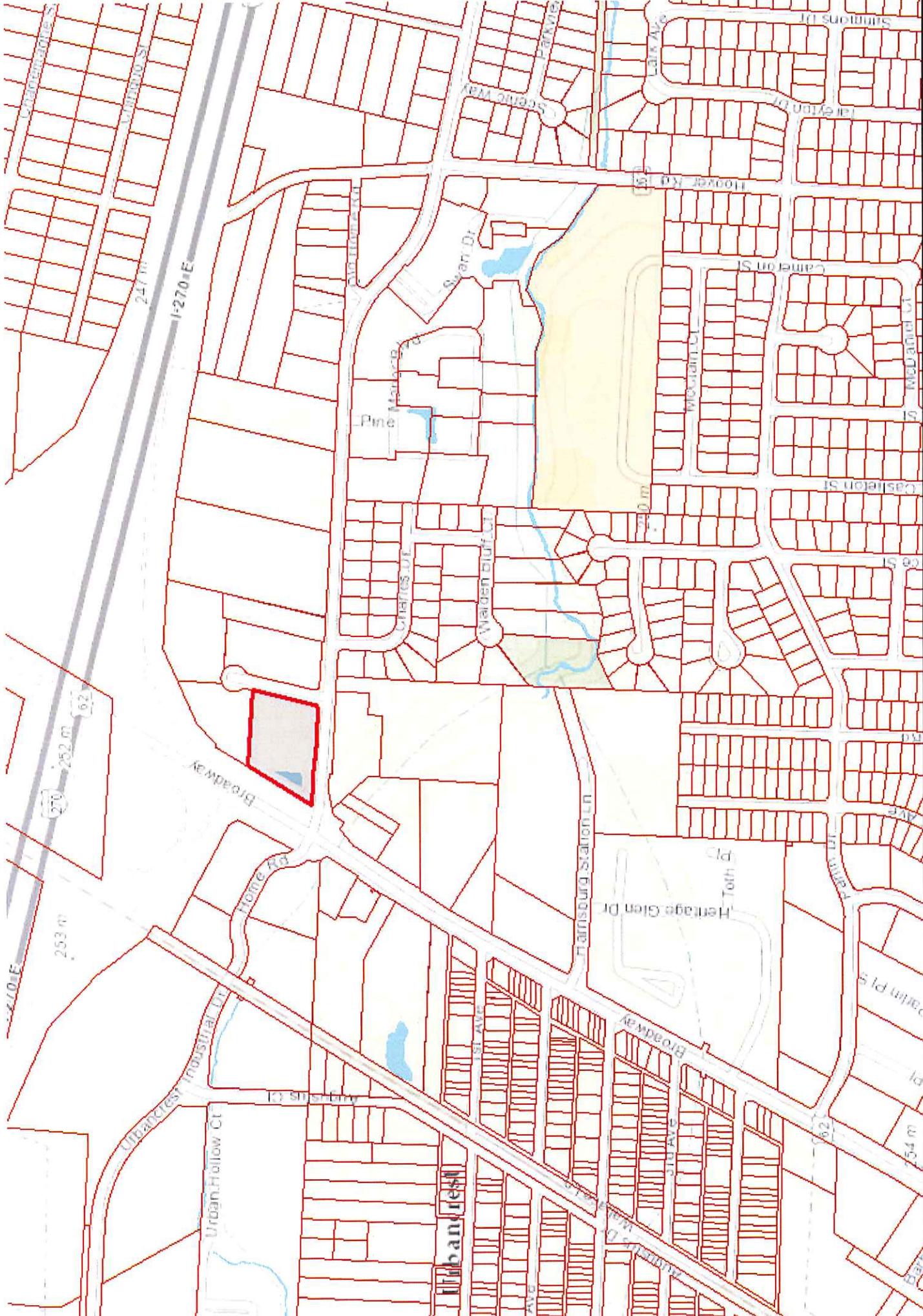
Net Annual Tax	Taxes Paid	CDQ
37,451.18	18,725.59	

Building Data

Yr Built	Eff Yr	Stry	Structure Type	Sq Ft	Grade
2007	2010	01	NBHD SHOPPING CENTER	12,600	GOOD QUALITY
Total:				12,600	

Site Data

Frontage	Depth	Acres	Historic District
		2.263	



ParcelID: 040-014277-00
TURNBERRY RETAIL CENTER

Map-Rt: 040-M084BC -001-00
3041-3043 TURNBERRY CT

Land Characteristics

Lot Type	Act Front	Eff Front	Eff Depth	Acres
S1-SQUARE FOOT				2.26

Site Characteristics

Property Status	Developed
Best Use Class	C - COMMERCIAL
Neighborhood	X8200
Elevation	Street Level
Terrain	Flat
Street / Road	Paved
Traffic	Normal
Irregular Shape	No
Excess Frontage	No
Alley	No
Sidewalk	No
Corner Lot	No
Wooded Lot	No
Waterfront	No
View	No

ParcelID: 040-014277-00
TURNBERRY RETAIL CENTER

Map-Rt: 040-M084BC -001-00
3041-3043 TURNBERRY CT

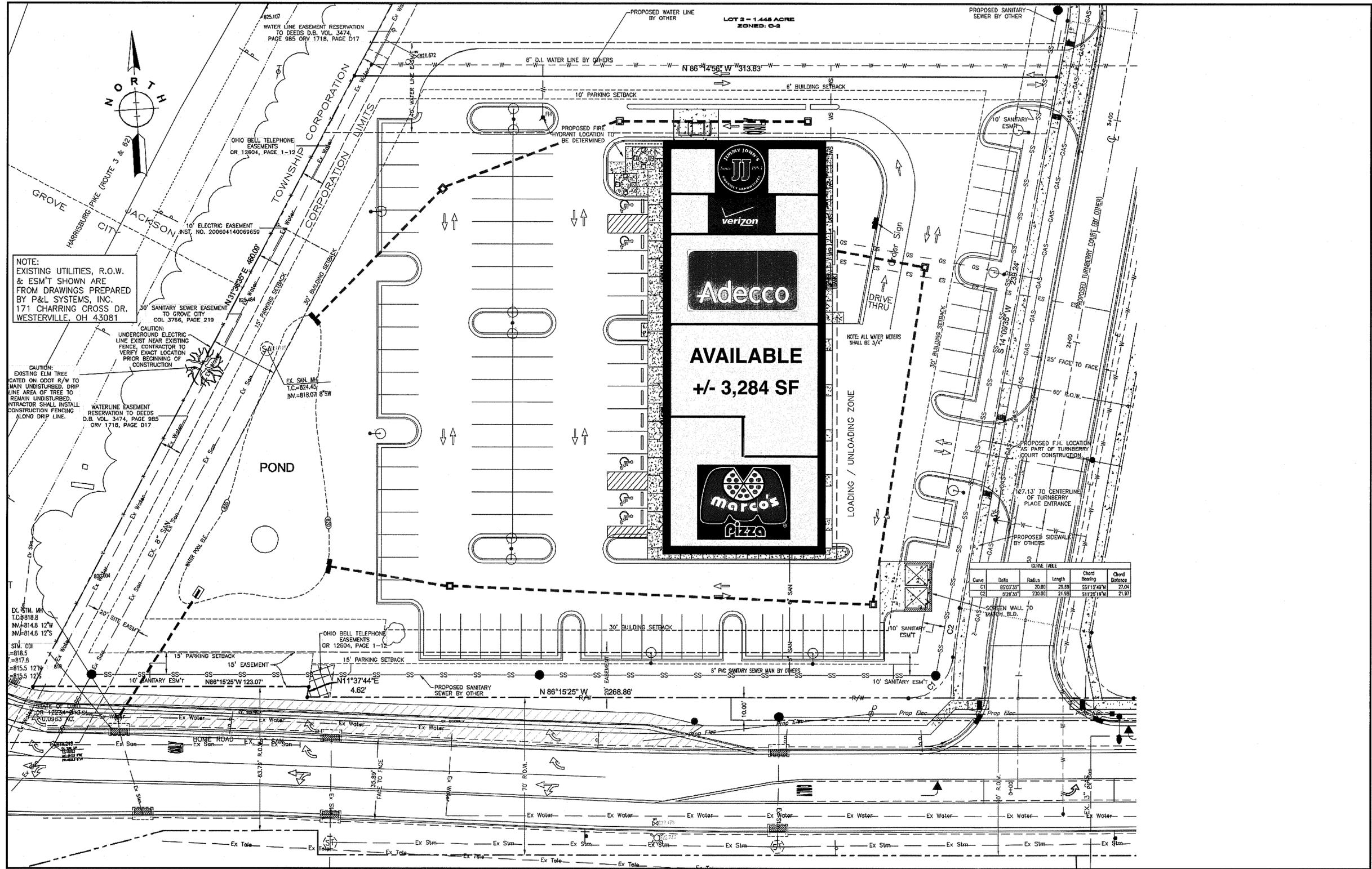
Commercial Building

Card Number	1
Building Address	3041 3043 TURNBERRY CT
Number Identical Buildings	1
Structure Type	NBHD SHOPPING CENTER
Stories	01
Gross Sq. Ft.	12,600
Number of Units	
Year Built	2007
Effective Year	2010
Year Remodeled	
Grade	B - GOOD QUALITY

Interior / Exterior Detail

Sketch ID	A0-1
Floor From - To	01 - 01
Use Code	RETAIL STORE
Wall Height	14
Exterior Wall Type	02 - FRAME
Construction Type	2 - FIRE RESISTENT
Construction Note	A)1SBR/S
Area (Sq Ft / Floor)	12,600
Condition	AVERAGE
Interior Finish	100
HVAC	NORMAL, CENTRAL AC
Lighting	NORMAL
Plumbing	NORMAL
Sprinkler	NONE

Turnberry Retail Center | Grove City, Ohio



Grove City Aerial Pick UP Window Existing



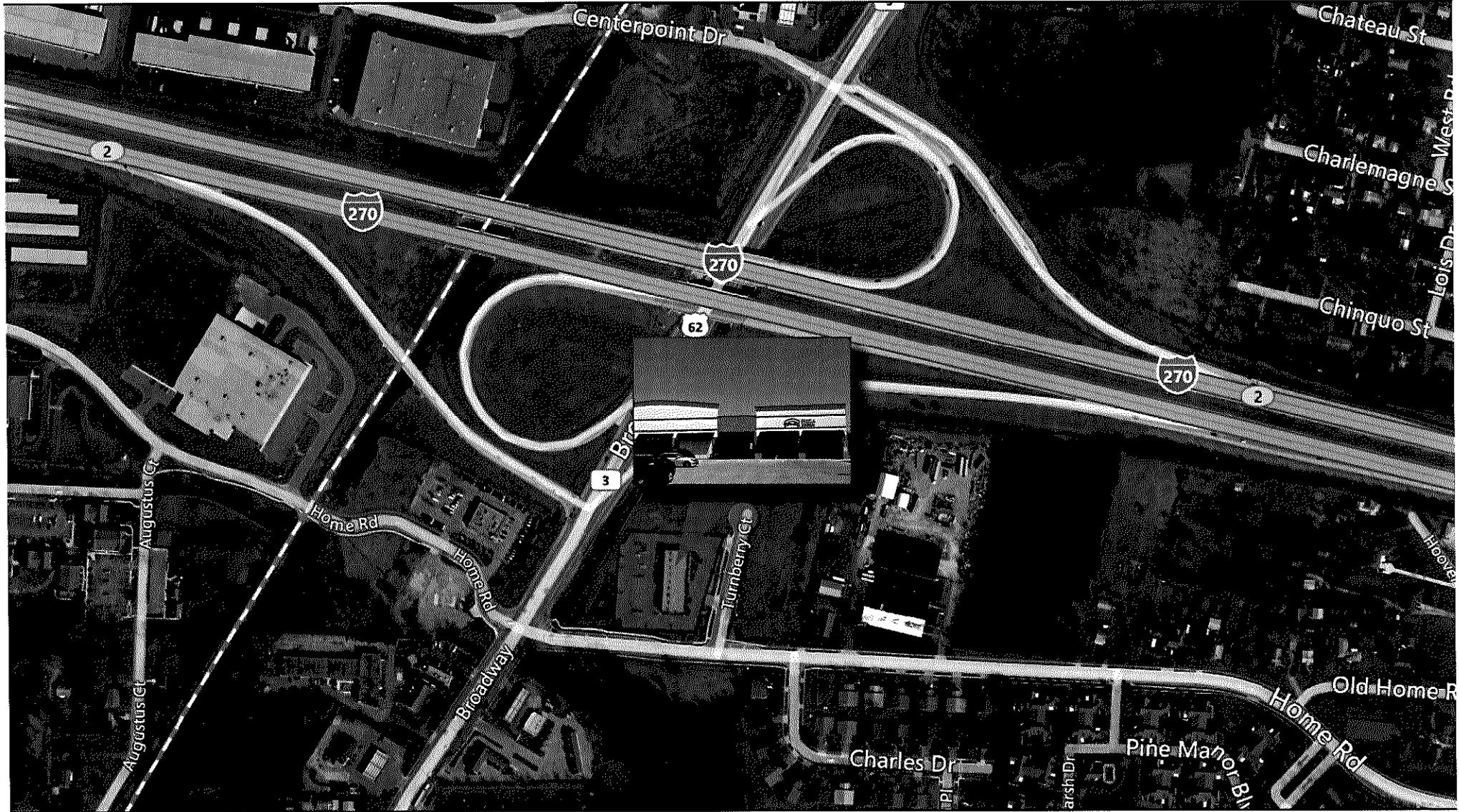
ParcelID: 040-014277-00
TURNBERRY RETAIL CENTER

Map-Rt: 040-M084BC -001-00
3041-3043 TURNBERRY CT

Sales Summary

Date	Grantee	Convey No	Inst Type	# of Parcels	Sale Price
APR-25-2007	TURNBERRY RETAIL CENTER	8451	GW	1	\$750,000
FEB-12-2007	HOME ROAD PROPERTIES LLC	PB70 PG067	PL	4	\$0

Turnberry Retail Center | Grove City, Ohio



Turnberry Retail Center | Grove City, Ohio

