

GENERAL NOTES

1. THE SCOPE OF THE WORK SHALL CONSIST OF FURNISHING ALL THE LABOR, MATERIALS AND EQUIPMENT NECESSARY TO COMPLETE ALL THE WORK INDICATED ON THE DRAWINGS AND SPECIFICATIONS.

2. THE CONTRACTOR SHOULD MAKE SURE THAT THE TRADES WORK CONFORMS TO FEDERAL, STATE AND MUNICIPAL CODES AND ORDINANCES. THESE SHALL SUPERCEDE DRAWINGS, NOTES, AND DIMENSIONS IN ALL CASES. THE ARCHITECT SHALL BE NOTIFIED OF SUCH CHANGES BEFORE WORK IS STARTED. NON FAMILIARITY WITH GOVERNING RULES AND REGULATIONS SHALL NOT BE CAUSE FOR AN EXTRA COST. IN THE EVENT WORK HAS TO BE REPAIRED FOR NON-COMPLIANCE, THE CONTRACTOR SHALL BE HELD RESPONSIBLE IF HE HAS NOT NOTIFIED THE ARCHITECT.

3. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROCURING AND PAYING FOR ALL PERMITS, FILINGS, INSPECTIONS AND SING-OFF AND SHALL SUBMIT CERTIFICATES OF COMPLIANCE TO OWNER BEFORE INITIAL INSTALLATION.

4. THE CONTRACTOR MUST CAREFULLY EXAMINE THE CONTRACT DOCUMENTS AND BEFORE BIDDING MUST REQUEST IN WRITING ANY INTERPRETATION OR CORRECTION OF ANY AMBIGUITY, INCONSISTENCE, OMISSION OR ERROR.

5. THE CONTRACTOR SHALL CAREFULLY EXAMINE THE PREMISES BEFORE SUBMISSION HIS BID AND VERIFY ALL CONDITIONS AND DIMENSIONS ON JOB SITE AND NOTIFY THE ARCHITECT OF ANY DISCREPANCY

6. ALL BIDS SHALL INCLUDE TAXES, DELIVERY, AND INSTALLATION COST. BIDS SHALL ALSO INCLUDE OVERTIME WORK IF REQUIRED DUE TO THE NATURE OF THE JOB OR CLIENTS REQUEST.

7. ALL NOTES ON ALL DRAWINGS SHALL APPLY AND BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. ALL GENERAL NOTES SHALL APPLY TO SUBCONTRACTORS.

8. ALL MANUFACTURED PRODUCTS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS AND SHALL CONFORM TO ASTM STANDARDS

9. ALL WORK SHALL BE IN NEAT AND WORKMANLIKE MANNER AND TO THE HIGHEST STANDARDS OF CRAFTSMANSHIP BY JOURENMEN AND THEIR RESPECTIVE TRADES. ALL MATERIALS, EQUIPMENT AND FIXTURES SHALL BE NEW AND OF FIRST QUALITY.

10. ALL DIMENSIONS ARE FINISH TO FINISH UNLESS OTHERWISE NOTED.

11. NOTED DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL NOT SCALE DRAWINGS.

12. IN IN FIELD DIMENSIONS NECESSITATE ANY CHANGES OR MODIFICATIONS THEY MUST FIRST BE APPROVED BY THE ARCHITECT.

13. CONTRACTOR SHALL KEEP ALL WORK AREAS CLEAR OF ALL REFUSE RUBBISH AND DEBRIS.

14. THEN GENERAL CONTRACTOR MUST REVIEW AND CONFORM WITH THE BUILDING MANAGEMENT'S RULES AND REGULATIONS INCLUDING DELIVERIES, REMOVALS AND USE OF ELEVATORS

15. ALL WORK SHALL BE GUARANTEED FOR ONE YEAR AGAINST DEFECTIVE MATERIALS AND WORKMANSHIP. CONTRACTOR TO DELIVER COPIES OF ALL MANUFACTURERS WARRANTIES TO THE ARCHITECT AT THE TIME OF SUBMITTAL COMPLETION.

16. EACH CONTRACTOR SHALL COOPERATE, COORDINATE, SCHEDULE AND CONTROL HIS WORK WITH ALL TRADES WHOSE WORK ADJOINS, CONNECTS OR INTERFACES WITH HIS OWN AND WORK TOWARD THE HIGHEST STANDARDS OF EXCELLENCE AND WORKMANSHIP.

17. CONTRACTOR SHALL DELIVER THE PROJECT TO THE OWNER FOR ACCEPTANCE CLEAN AND READY FOR OCCUPANCY. ALL GLASS SHALL BE CLEANED AND POLISHED, FLOORS SWEEP BROOM CLEAN, CARPETS VACUUMED, FIXTURES WASHED AND WITH ALL LABELS REMOVED.

18. ALL MATERIALS AND EQUIPMENT SHALL MEET APPLICABLE STANDARDS AS REQUIRED BY ANSI, NEMA AND MUNICIPAL REGULATORY BODIES AND SHALL BE LISTED BY UL.

19. ANY DAMAGE TO EXISTING PARTITIONS, FLOORS AND CEILINGS OR ANY PART OF THE BUILDING OR EQUIPMENT CAUSED BY THE CONTRACTOR SHALL BE MADE GOOD AT NO ADDITIONAL EXPENSE TO THE OWNER.

20. CONTRACTOR SHALL MAINTAIN FREE AND UNOBSTRUCTED ACCESS TO MEANS OF EGRESS TO OUTSIDE OF THE BUILDING AT ALL TIMES DURING CONSTRUCTION

21. EXISTING SERVICES TO OTHER PARTS OF THE BUILDING ARE NOT TO BE DISRUPTED. IF A SHUT DOWN OF SERVICES IS REQUIRED FOR THE PROGRESS OF WORK THE CONTRACTORS SHALL DO SO IN A MANNER ACCEPTABLE TO THE OWNER'S REPRESENTATIVE. IS SO REQUIRED THIS WORK WILL BE DONE ON AN OVERTIME BASIS AND AT NO ADDITIONAL COST TO THE OWNER.

22. MATCH ALL EXISTING CONDITIONS AS THE RELATE TO FINISHES, LIGHTING, COURSGING, DIMENSIONS, HEIGHT, ALIGNMENT, ETC. MOVE AND RELOCATE ANY PARTITIONS, WIRING, PLUMBING AND DUCTWORK THAT MAY BE CONCEALED IN WALLS OR CEILINGS BEING REVISED TO PROVIDE A COMPLETE JOB IN ALL RESPECTS.

23. CONSTRUCTION OPERATIONS WILL BE CONFINED TO NORMAL WORKING HOURS AS ESTABLISHED BY THE BUILDING MANAGER.

24. THE CONTRACTOR SHALL OBTAIN A CONSTRUCTION PERMIT BEFORE COMMENCING THE WORK.

25. CUTTING OF STRUCTURAL WORK SHALL NOT BE PERMITTED UNDER ANY CIRCUMSTANCES.

26. THE ARCHITECT SHALL NOT HAVE CONTROL OR CHARGE OF AND SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR THE SAFETY ACTS OR OMISSIONS OF THE CONTRACTOR, SUB-CONTRACTOR OR ANY OTHER PERSON PERFORMING ANY OF THE WORK OR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

27. COMMENCEMENT OF THE WORK INDICATES THAT THE CONTRACTOR IS FAMILIAR WITH THESE DOCUMENTS AND AGREES TO ALL THE TERMS CONTAINED HERIEN.

28. DO NOT SCALE DRAWINGS, WHERE MISSING OR CONFLICTING DIMENSIONS OCCUR, CONTRACTOR SHALL CONTACT ARCHITECT WITHOUT DELAY FOR CLARIFICATION.

29. THE GENERAL CONTRACTOR AND ALL SUB-CONTRACTORS SHALL VERIFY ALL CONDITIONS, DETAILS AND DIMENSIONS BEFORE PROCEEDING WITH THE WORK. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES.

30. UNLESS OTHERWISE INDICATED IN THESE SPECIFICATIONS, THE CONTRACTOR, ALL SUB-CONTRACTORS AND SUPPLIERS SHALL PROVIDE GUARANTEES BASED ON INDUSTRY RECOGNIZED STANDARDS FOR THEIR PRODUCTS AND SERVICES. IN NO CASE SHALL THESE GUARANTEES REMAIN IN EFFECT FOR LESS THAN ONE YEAR FROM THE DATE OF THE SUBSTANTIAL COMPLETION.

31. IT IS INTENDED THAT ALL WORK BE OF FIRST QUALITY, AND ACCOMPLISHED IN A WORKMANLIKE MANNER BY SKILLED CRAFTSMAN USING ACCEPTED PRACTICES AND METHODS APPROPRIATE TO THE TRADES INVOLVED.

32. SUB-CONTRACTORS SHALL AT ALL TIMES KEEP THE PREMISES FREE FROM ACCUMULATIONS OF WASTE MATERIALS OR RUBBISH CAUSED BY HIS OPERATIONS. AT THE COMPLETION OF THE WORK, HE SHALL REMOVE ALL HIS WASTE MATERIALS OR RUBBISH CAUSED BY HIS OPERATIONS. AT THE COMPLETION OF THE WORK, HE SHALL REMOVE ALL HIS WASTE MATERIALS FROM ABOUT THE PROJECT AS WELL AS ALL HIS TOOLS, CONSTRUCTIONS EQUIPMENT, MACHINERY AND SURPLUS MATERIALS.

33. SUB-CONTRACTORS SHALL PROVIDE THE GENERAL CONTRACTOR WITH SUCH PLANS AND INFORMATION AS NEEDED FOR THE SCOPE OF THE WORK.

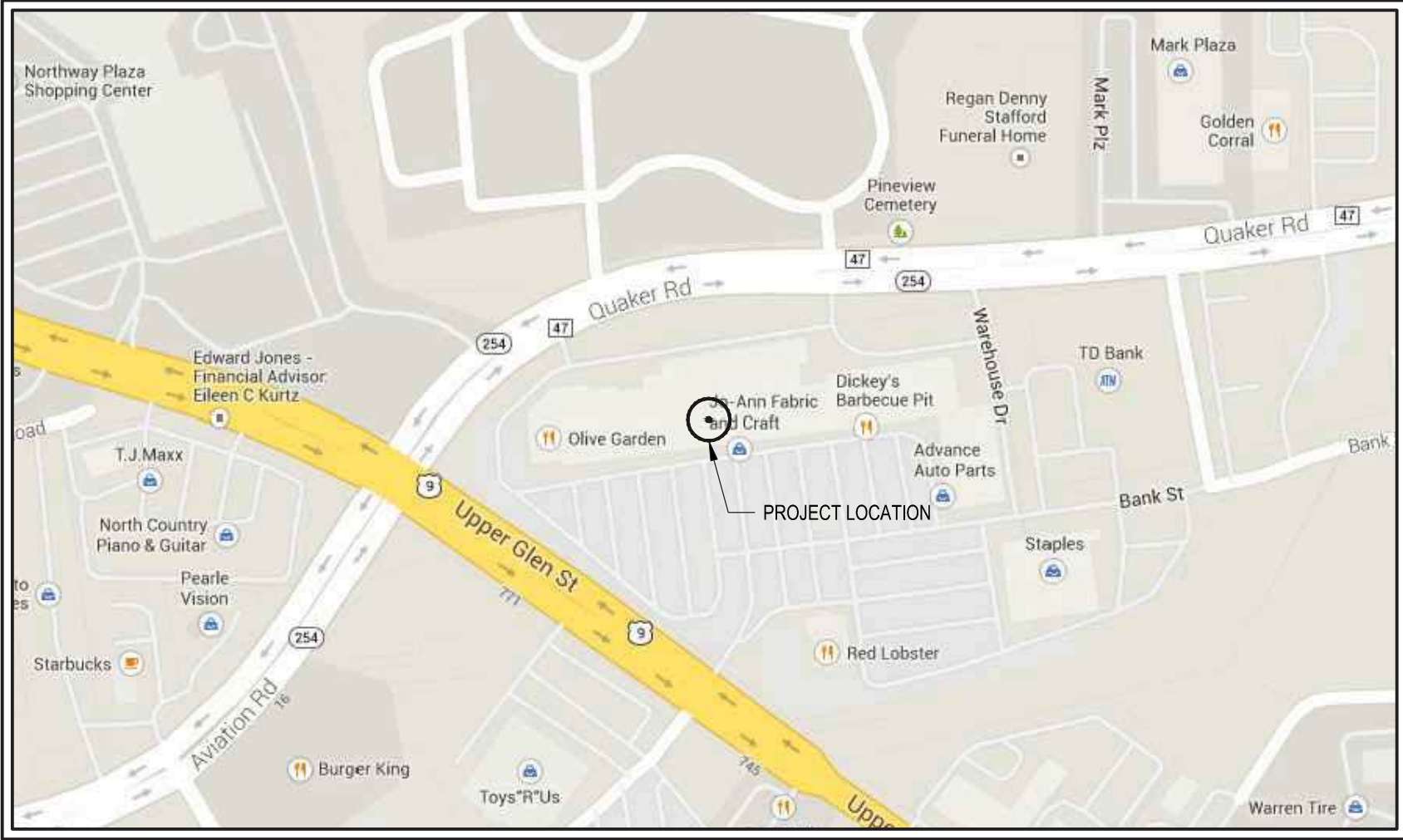
INTERIOR FIT-UP FOR:
SWEET FROG-QUEENSBURY

765 UPPER GLEN STREET, QUEENSBURY, NY

NOVEMBER 8, 2013



SITE LOCATION



DRAWING LIST

G100	Title Sheet
G101	Code Review & Wall Types
A100	Floor Plan
A700	Interior Elevations
A800	Reflected Ceiling Plan
A900	Schedules & Finish Plan
FA100	Fire Alarm Plans
FP100	Fire Protection Plans
EN100	Energy Compliance Plans
M001	Mechanical Symbols & Abbreviations
M100	HVAC Plans
P100	Plumbing Plans
P101	Plumbing Plans & Glycol Details

POWER AND COMMICATION NOTES:

1. ALL WORK SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AND ANY OTHER GOVERNING CODES AND STANDARDS HAVE JURISDICTION.

2. ALL ELECTRICAL EQUIPMENT SHALL BE GROUNDED IN ACCORDANCE WITH ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE.

3. CONTRACTOR SHALL PAY FOR AND SECURE ALL UNDERWRITER'S CERTIFICATIONS.

4. ALL WIRE AND CABLE SHALL BE 75 DEG. C XHHW COPPER FOR FEEDER WIRING. UNLESS OTHERWISE INDICATED ALL WIRE AND CABLE SHALL BE COPPER. ALL CIRCUIT RUNS CONTAIN 2 WIRES UNLESS OTHERWISE NOTED.

5. OUTLET DIMENSIONS WHEN GIVEN ARE TO CENTERLINE OF RECEPTACLE ELECTRICAL CONTRACTOR SHALL PERFORM ALL NECESSARY CUTTING AND CHASING RELATED TO ELECTRICAL WORK. NO EXPOSED CONDUITS OR WIRED WILL BE PERMITTED.

6. ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES AND ASSIST IN SCHEDULING HIS WORK IN ORDER TO COOPERATE WITH THE OTHER TRADES.

7. ALL TELEPHONE/ COMMUNICATIONS CABLES TO RUN IN CONDUIT AS REQUIRED BY CODE EXCEPT WHERE TEFLON CABLE IS USED.

8. ALL GANG WALL MOUNTED SWITCHES ELECTRICAL TELEPHONE OUTLETS SHALL BE PERFECTLY ALIGNED. OPENING CUT-OUTS SHALL BE PROPERLY TAPED AND SPACKLED FOR FLUSH WITH WALL COPPERPLATES.

9. FIXTURES, SWITCHES AND LAMPS SPECIFIED IN CABINETWORK SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. CUTOUTS IN THE CABINETWORK SHALL BE DONE BY THE CABINET CONTRACTOR. THE GENERAL CONTRACTOR IS TO COORDINATE THE WORK.

10. PROVIDE ALL TEMPORARY LIGHT AND POWER NECESSARY.

11. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS, MANUFACTURER'S LITERATURE, OPERATING AND INSTALLATION MANUALS FOR ALL EQUIPMENT, FIXTURES AND ACCESSORY ITEMS PROVIDED.

GENERAL DEMOLITION NOTES

1. OBJECTS SHOWN ON DEMOLITION PLANS WITH A "DASHED" LINE ARE TO BE REMOVED IN THEIR ENTIRETY BACK TO SOUND STRUCTURE. COORDINATE WITH ALL GENERAL DEMOLITION NOTES, KEYED DEMOLITION NOTES & STRUCTURAL DRAWINGS.

2. CONTRACTOR SHOULD NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES IN THE DRAWINGS REGARDING THE REMOVAL OF LOAD BEARING STRUCTURAL ELEMENTS NOT DOCUMENTED OR DETAILED.

3. COORDINATE ALL DEMOLITION WORK WITH OVERALL PROJECT PHASING AND SCOPE OF ALL NEW WORK.

4. COORDINATE ALL REMOVALS WITH ALL OTHER TRADES.

5. REMOVE ALL PLUMBING FIXTURES AND ASSOCIATED PIPING ONLY AFTER LINES HAVE BEEN ADEQUATELY CUT AND CAPPED. COORDINATE WORK WITH ALL TRADES.

6. CAP ALL ABANDONED PIPING AND CONDUIT TO PREVENT POSSIBLE PASSAGEWAYS FOR RODENTS, FIRE, OR GASES. COORDINATE WORK WITH ALL TRADES.

7. ALL FLOOR FINISHES SCHEDULED FOR REMOVAL SHALL BE REMOVED DOWN TO FLOOR FRAMING OR BASE SUB-FLOOR. ALL SUB-FLOORING TO RECEIVE NEW FLOORING SHALL BE STRIPPED OF ALL SEALANTS, MASTICS, GREASE, AND PAINT.

8. OWNER RESERVES THE RIGHT TO KEEP ANY ITEMS IDENTIFIED TO BE REMOVED AND SALVAGED. CONTRACTOR IS TO COORDINATE IDENTIFIED ITEMS WITH THE OWNER AT THE START OF EACH DEMOLITION PHASE. CAREFULLY REMOVE ITEMS TO LOCATION INDICATED BY OWNER.

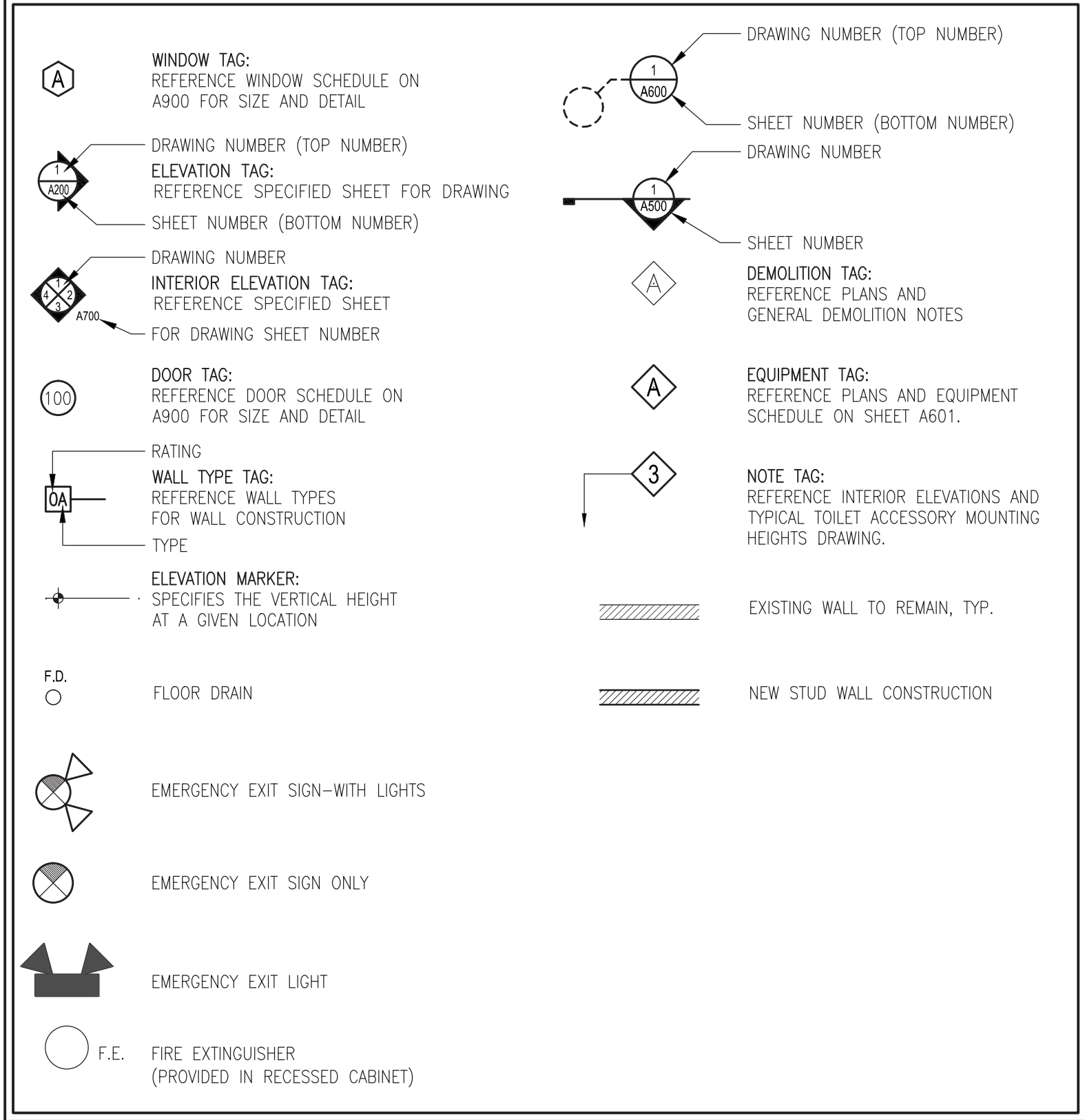
9. ANY ITEMS ENCOUNTERED IN THE DEMOLITION CONTAINING HAZARDOUS MATERIALS SHALL BE BROUGHT TO THE OWNERS ATTENTION, FOR PROPER REMOVAL AND DISPOSAL OF BY, THE OWNERS FORCES.

10. MAINTAIN A SECURE SITE DURING DEMOLITION PROCESS IN A MANNER TO BE APPROVED BY THE CITY DEPARTMENT OF PUBLIC WORKS. THIS SHALL INCLUDE MAINTENANCE AND PROTECTION OF TRAFFIC, PEDESTRIAN AND VEHICULAR. SUBMIT PLAN PRIOR TO MOBILIZATION.

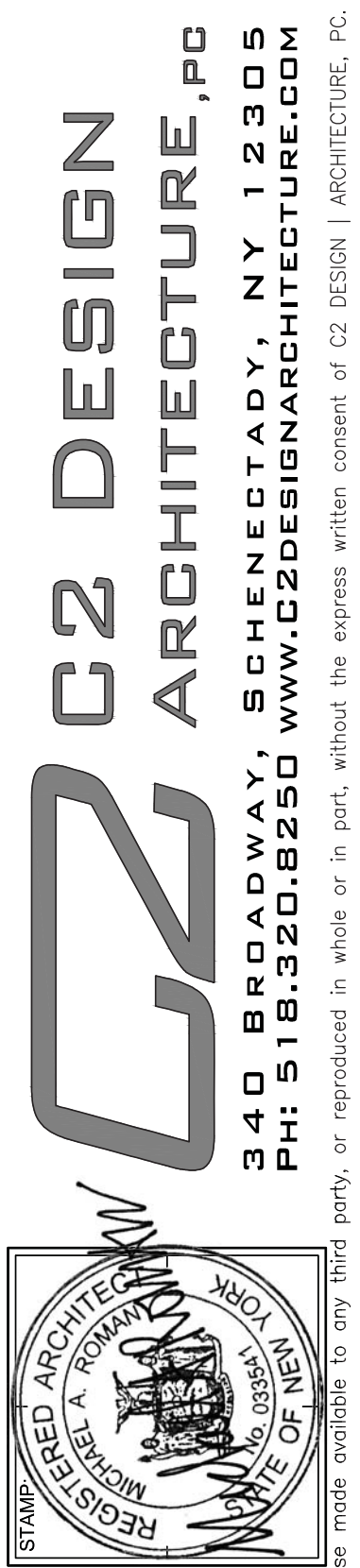
11. CONTRACTOR TO REMOVE ALL ELECTRICAL FIXTURES AND ASSOCIATES WIRING BACK TO SOURCE. COORDINATE WITH ALL TRADES AND MALL MANAGEMENT.

12. GENERAL CONTRACTOR TO PROVIDE DUMPSTERS THROUGH OUT CONSTRUCTION UNTIL TENANT IS OPEN FOR BUSINESS. THIS WILL BE AT LANDLORD DESIGNATED LOCATION.

DRAWING SYMBOL LEGEND



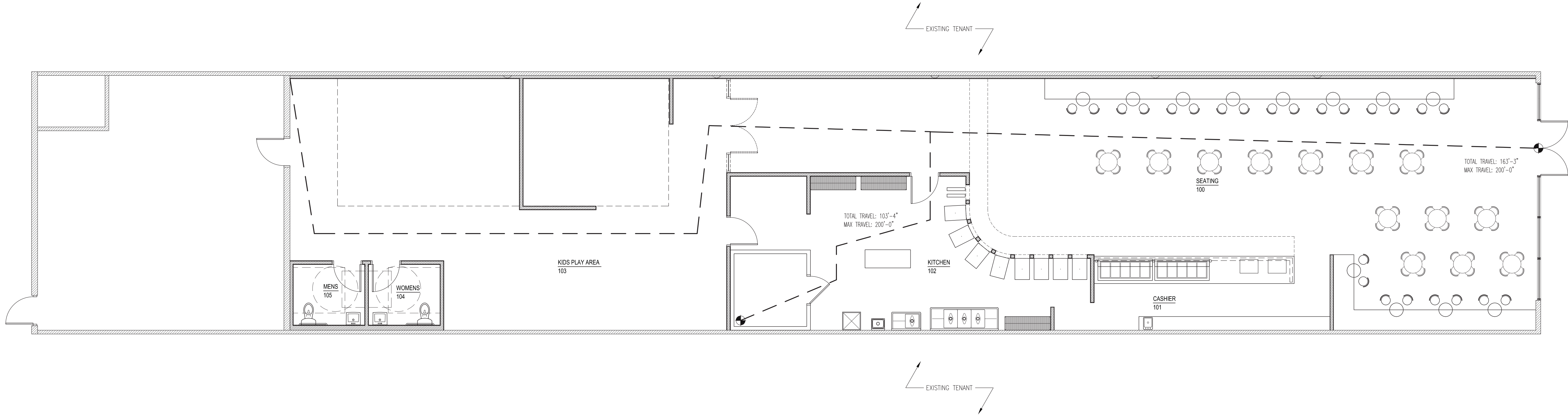
1
G100
Exterior Elevation - Front
SCALE: 3/16" = 1'-0"



CONSTRUCTION SET	
DATE:	
SUBMITTAL / REVISION	
No.	

SHEET TITLE:	Title Sheet
PROJECT:	Interior Fit-Up For: Sweet Frog-Queensbury 765 Upper Glen Street Queensbury, NY

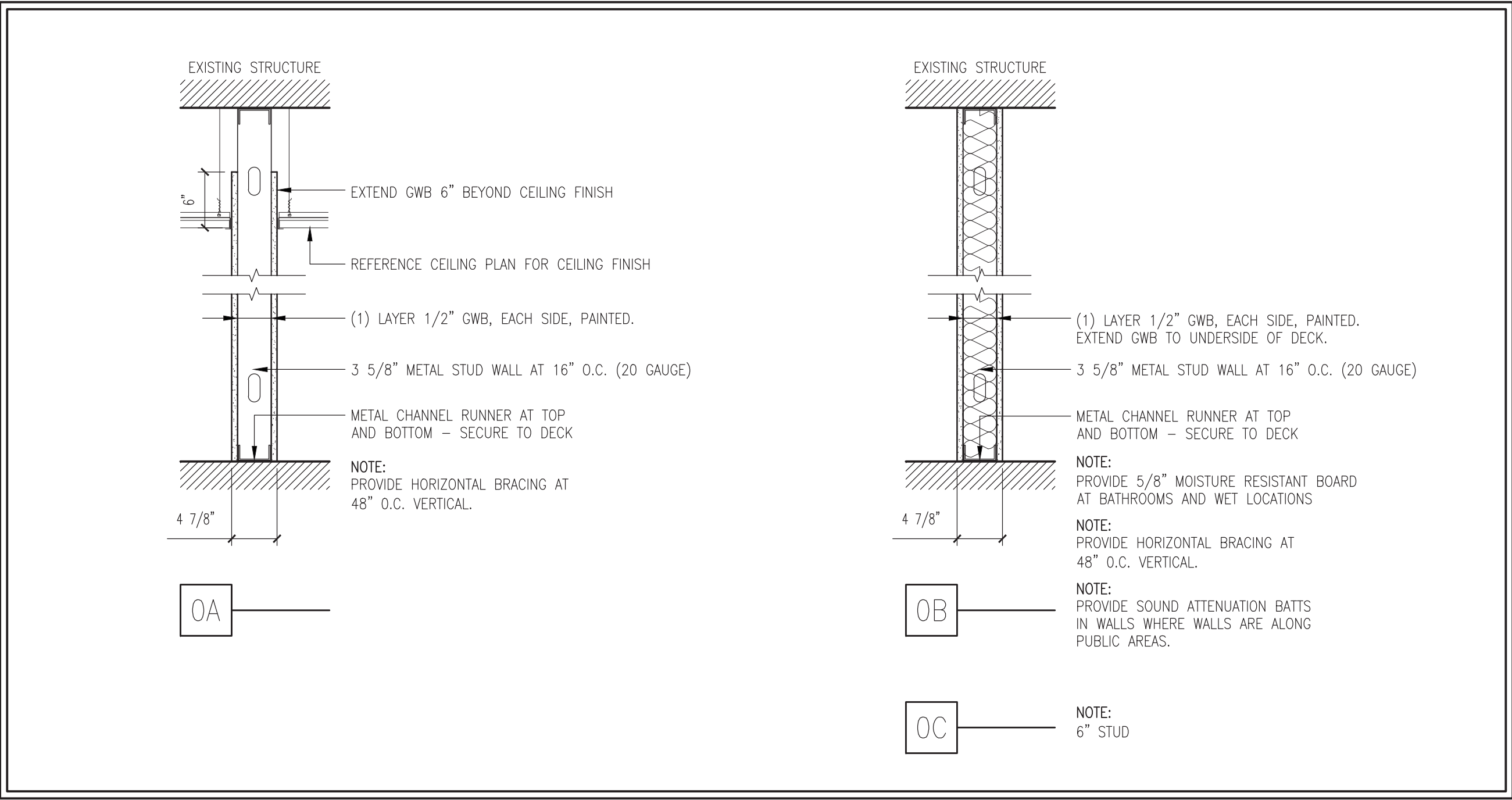
DRAWN BY:	C2 DESIGN
DATE:	11/08/2013
SCALE:	AS NOTED
JOB NO:	1331
SHEET:	G100



1 Life Safety Plan

SCALE: 3/16" = 1'-0"

WALL TYPES SCALE: 1"=1'-0"



CODE SUMMARY

TOPIC	REQUIRED	PROVIDED
BUILDING OCCUPANCY CLASSIFICATION:		
PRIMARY OCCUPANCY:	A-2	A-2
CONSTRUCTION TYPE:	IIB	IIB
ALLOWABLE BUILDING HEIGHT:	4	1
ALLOWABLE W/ SPRINKLER	1	0
TOTAL BUILDING HEIGHT:	5	1
ALLOWABLE BUILDING AREA:	9,500	4,665
ALLOWABLE W/ SPRINKLER	28,500	4,665
TOTAL BUILDING AREA:		4,665
OCCUPANT LOAD FACTOR:		
SEATING AREA	1147sf/15sf per person	76 actual
KIDS PLAY AREA	1013sf/15sf per person	68 actual
KITCHEN, CASHIER	765sf/100sf per person	8 actual
QUEUEING LINE	120sf/7sf per person	17 actual
	Total SF:3045 sf	234 actual
SEPARATION REQUIREMENTS:		
	REQUIRED	PROVIDED
BUILDING ELEMENT:		
STRUCTURAL FRAME:	0	0
BEARING WALLS:	0	0

TOPIC	REQUIRED	PROVIDED
NON-BEARING WALLS:	0	0
FLOOR CONSTRUCTION:	0	0
ROOF CONSTRUCTION:	0	0
TENANT A2 TO A2:	0	1
TENANT A2 TO OTHER:	1	1
EGRESS REQUIREMENTS		
	REQUIRED	PROVIDED
COMMON PATH OF TRAVEL:	75'-0"	35'-6"
MAX TRAVEL DISTANCE:	200'-0"	162'-3"
MAX W/ SPRINKLER	250'-0"	N/A
CORRIDOR RATING:	1	1
CORRIDOR W/ SPRINKLER	0	0
DEAD END:	20'-0"	N/A
NUMBER OF EXITS:		
TENANT 1:	2	2

Stamp: REGISTERED ARCHITECT, STATE OF NEW YORK, No. 10384, MORRIS A. ROMANOW

CONSTRUCTION SET

1

6/27/2013

REVISIONS TO CODE REVIEW

DATE:

No.

Code Review, Life Safety, and Wall Types

Interior Fit-Up For:

Sweet Frog-Queensbury

765 Upper Glen Street

Queensbury, NY

DRAWN BY: C2 DESIGN

DATE: 11/08/2013

SCALE: AS NOTED

JOB NO: 1331

SHEET: G101

C2 DESIGN

ARCHITECTURE, PC

340 BROADWAY, SCHENECTADY, NY 12305

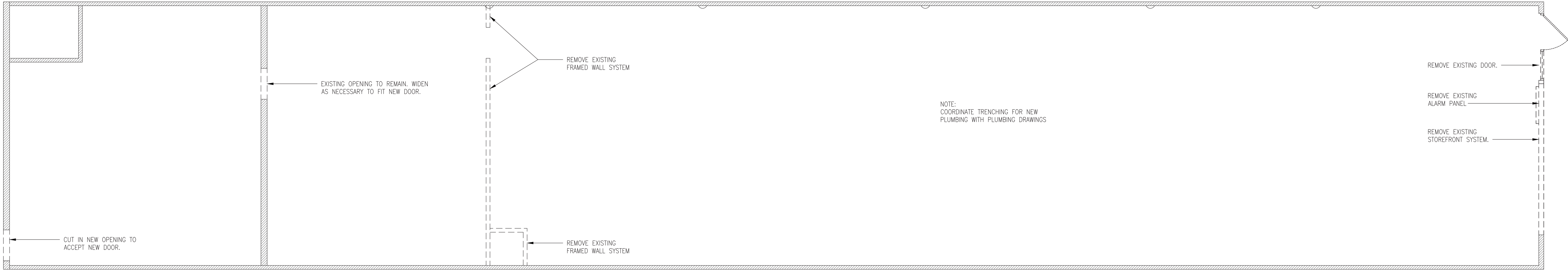
PH: 518.320.8250

WWW.C2DESIGNARCHITECTURE.COM

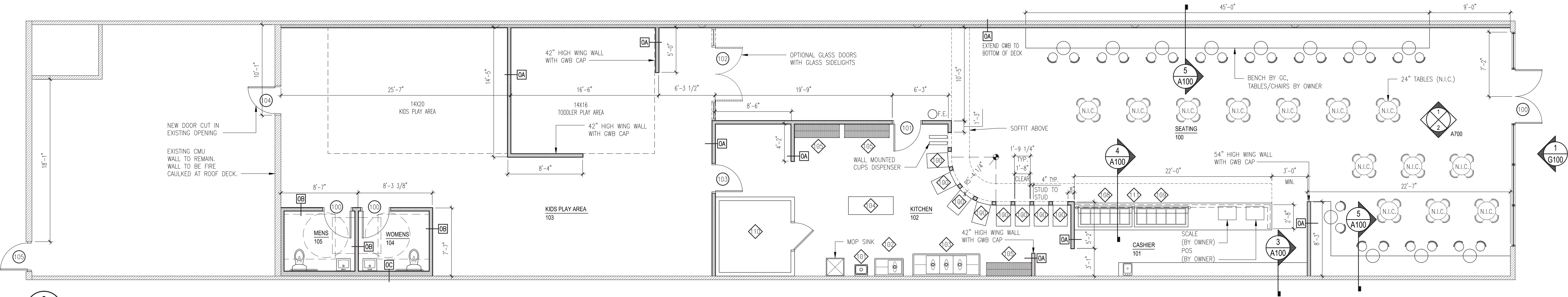
Copyright © 2013, C2 DESIGN

PLOT DATE: 11/8/2013 11:40 AM

PLOTTED BY: Joseph Eads



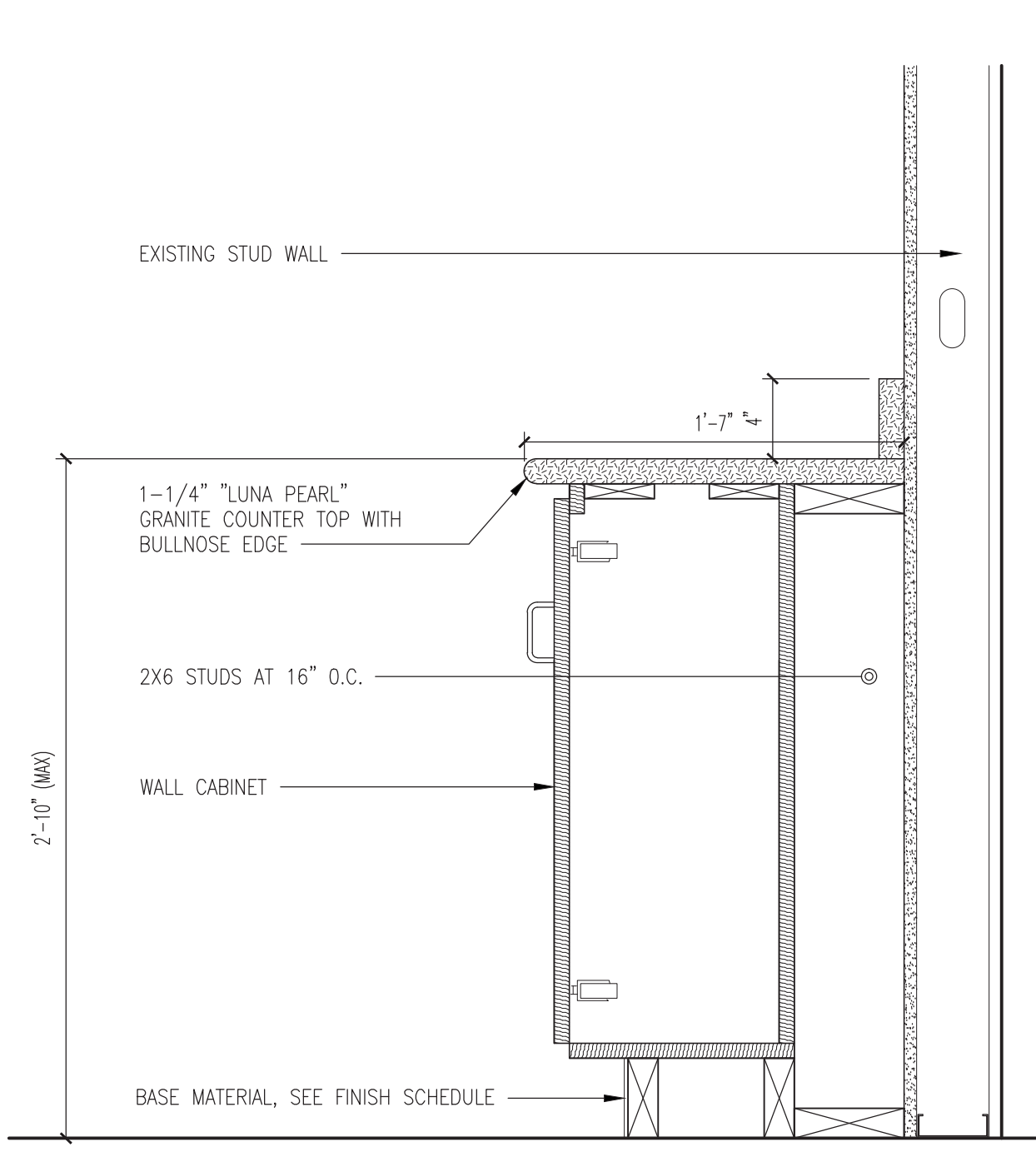
1 Demolition Plan
A100 SCALE: 3/16" = 1'-0"



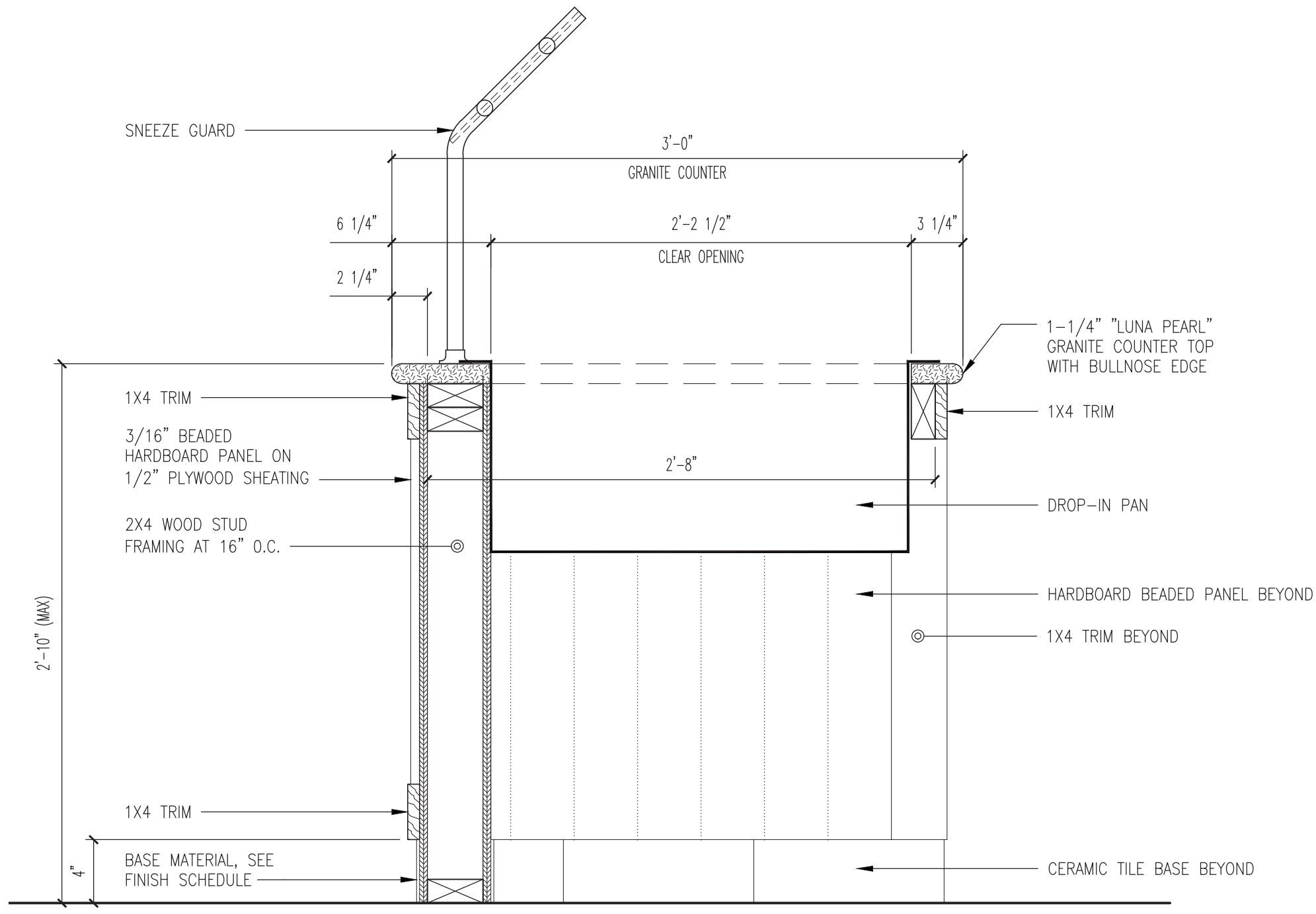
2 Ground Floor Plan
A100 SCALE: 3/16" = 1'-0"

NOTE:
ALL DIMENSIONS ARE STUD TO STUD FOR NEW CONSTRUCTION UNLESS EXISTING WALLS ARE INSTALLED WHICH DIMENSION WOULD BE TO FACE OF GWB

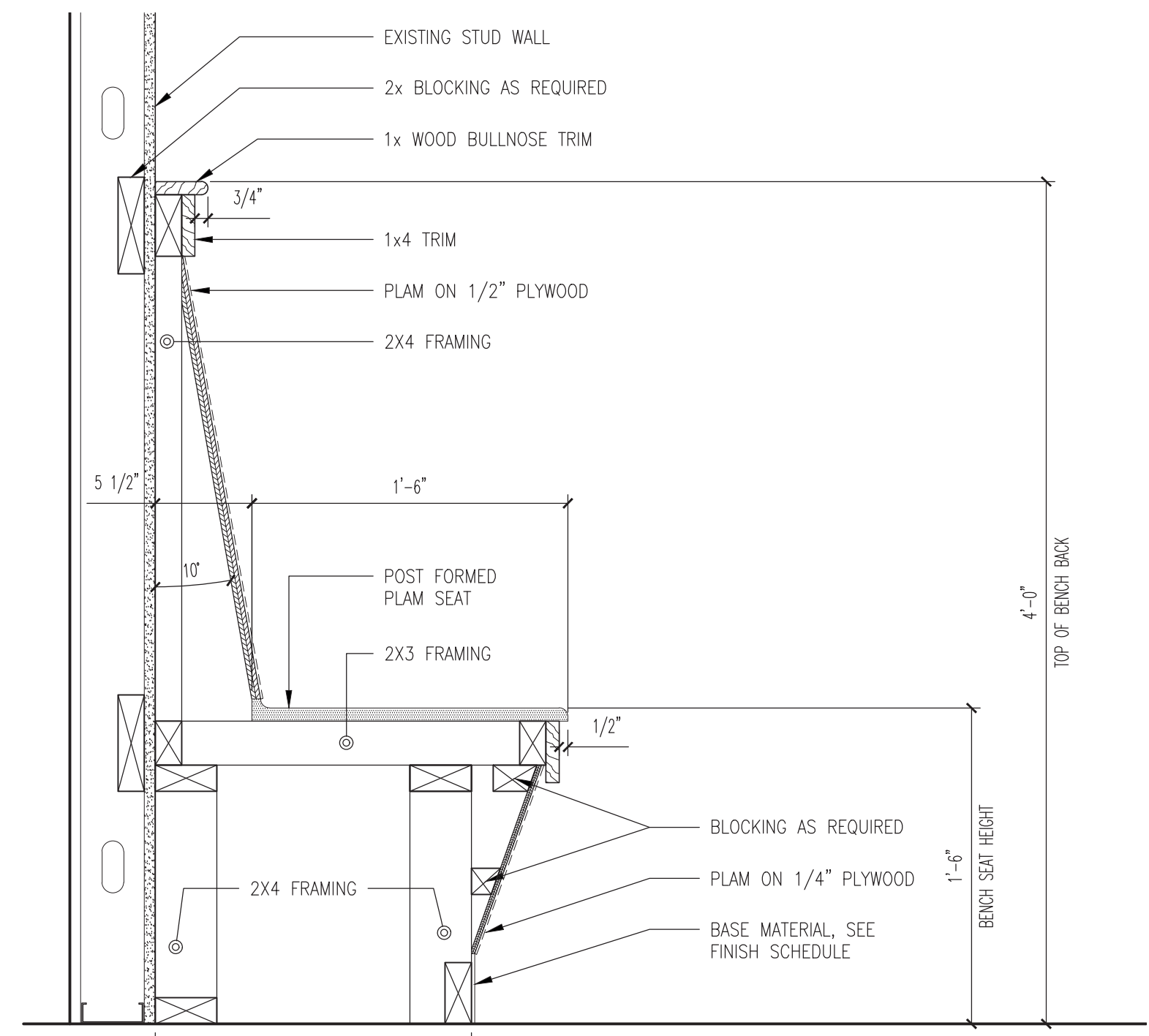
Equipment Schedule		
Item	Description	Specification
01	YOGURT MACHINE	STOELTING MODEL F231
02	HANDSINK	ADVANCE TABCO 7-PS-40
03	SINGLE COMPARTMENT PREP SINK	ADVANCE TABCO FC1-1818-L
04	90" 3 COMPARTMENT SINK	ADVANCE TABCO FC3-1824-18RL
05	STAINLESS STEEL TABLE	ADVANCE TABCO SAG 245
06	18" DEEP WIRE SHELVING	BY OWNER
07	NOT USED	NOT USED
08	NOT USED	NOT USED
09	FIVE PAN DROP IN COOL BAR	APW WYCOTT CW-5
10	FIVE PAN DROP IN DRY BAR	APW WYCOTT ICP-500
11	COOLER, WALK-IN	NORLAKE KOLD LOCKER 8X8
12	SNEEZE GUARD	ADM SNEEZEGUARDS ES-31 OR APPROVED EQUAL PER NYS CODE



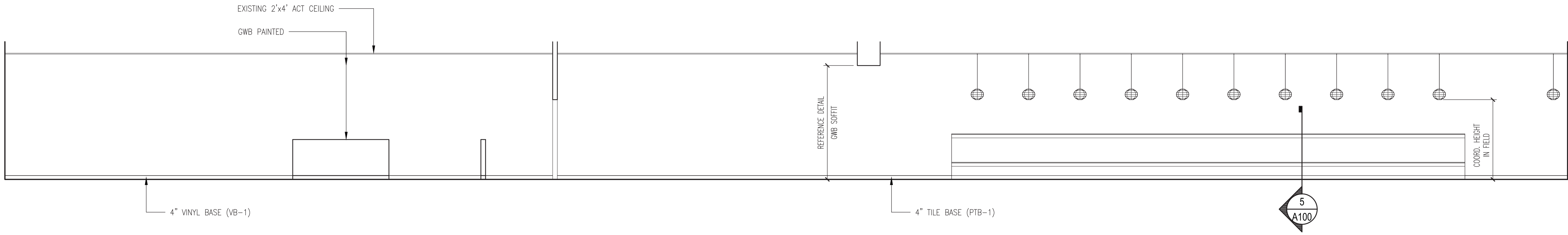
3 Section Thru Cashier Area Cabinet
A100 SCALE: 1 1/2" = 1'-0"



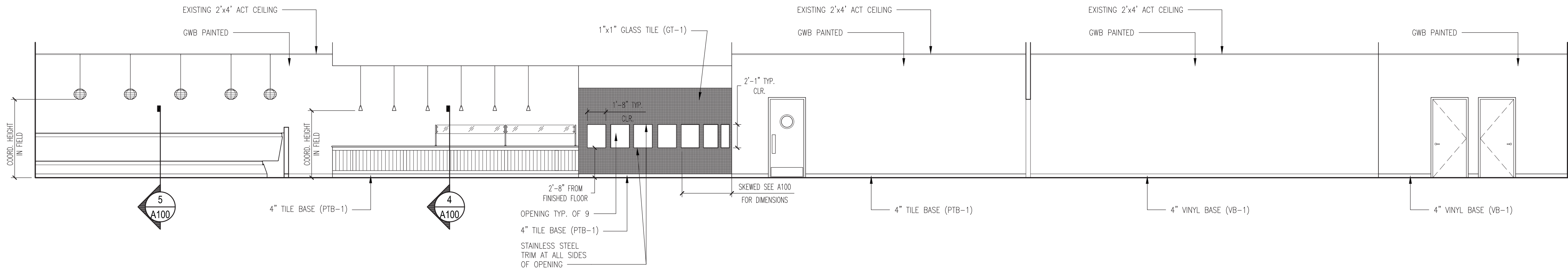
4 Section Thru Toppings Bar
A100 SCALE: 1 1/2" = 1'-0"



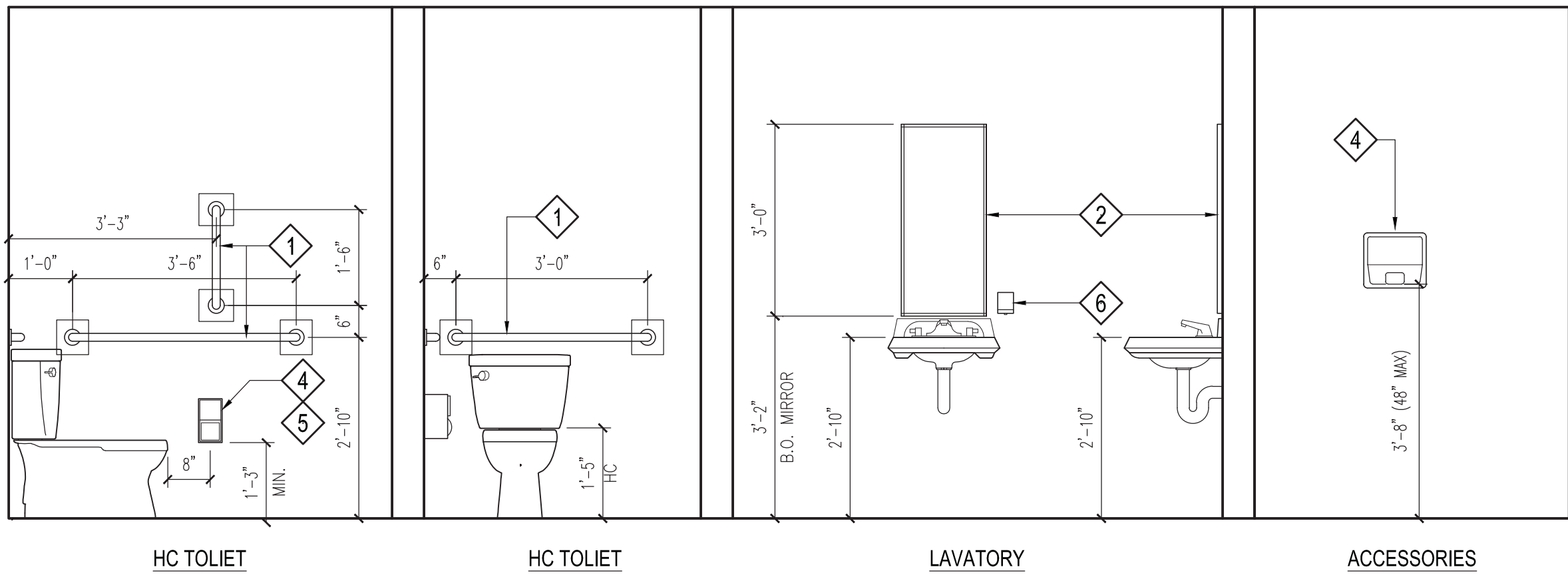
5 Bench Section Detail
A100 SCALE: 1 1/2" = 1'-0"



1
A700 Interior Elevation - North
SCALE: 3/16" = 1'-0"



2
A700 Interior Elevation - South
SCALE: 3/16" = 1'-0"



3
A700 Typical Mounting Heights
SCALE: 1/2" = 1'-0"

Toilet Accessory Legend	
1	STAINLESS STEEL GRAB BARS
2	GLASS MIRROR (SECURED TO WALL)
3	HAND DRYER - XLERATOR MODEL XL-GR
4	TOILET PAPER HOLDER/DISPENSER
5	SANITARY NAPKIN DISPOSAL (WOMENS ONLY)
6	WALL MOUNTED STAINLESS STEEL SOAP DISPENSER
NOTES:	
1. PROVIDE ADDITIONAL BLOCKING/REINFORCEMENT IN WALL FRAMING FOR ALL ACCESSORIES AND TOILET PARTITIONS.	
2. PROVIDE COAT HOOKS ON INTERIOR OF ALL DOORS.	
3. PROVIDE S.S. WALL MOUNTED SOAP DISPENSER AT EACH SINK LOCATION.	
4. TOILETS FIXTURES TO BE FLOOR MOUNTED	
5. SINKS TO BE WALL MOUNTED, HC COMPLIANT	

CONSTRUCTION SET	
DATE:	
NO.	
SUBMITTAL / REVISION	

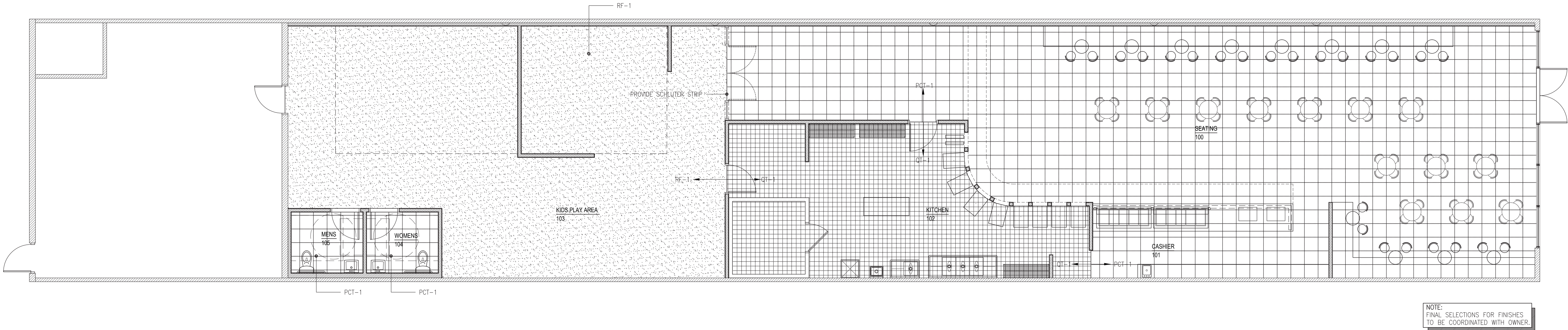
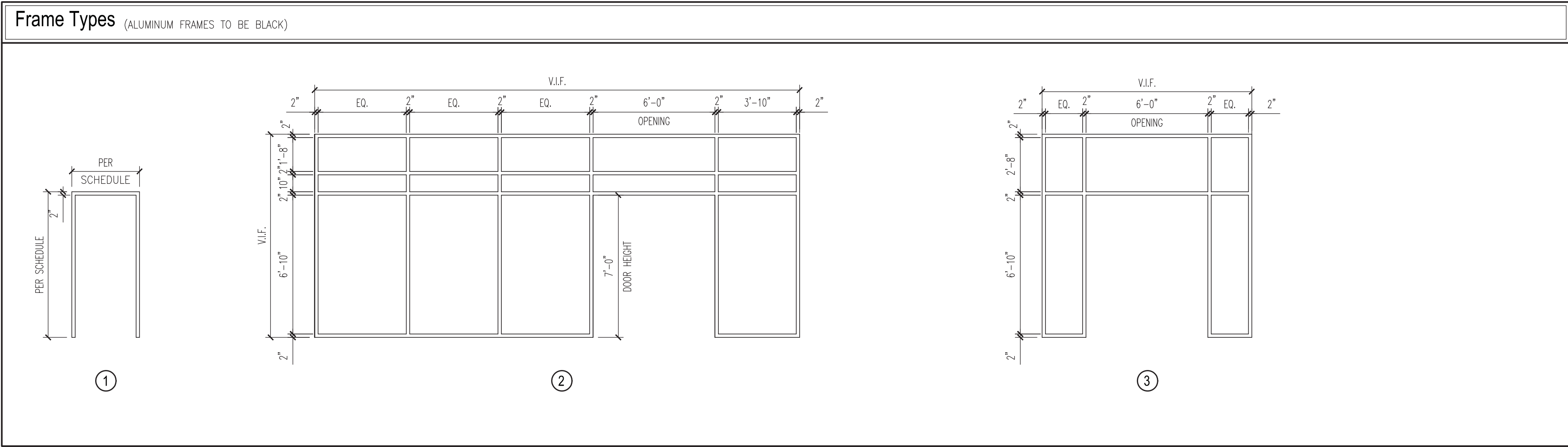
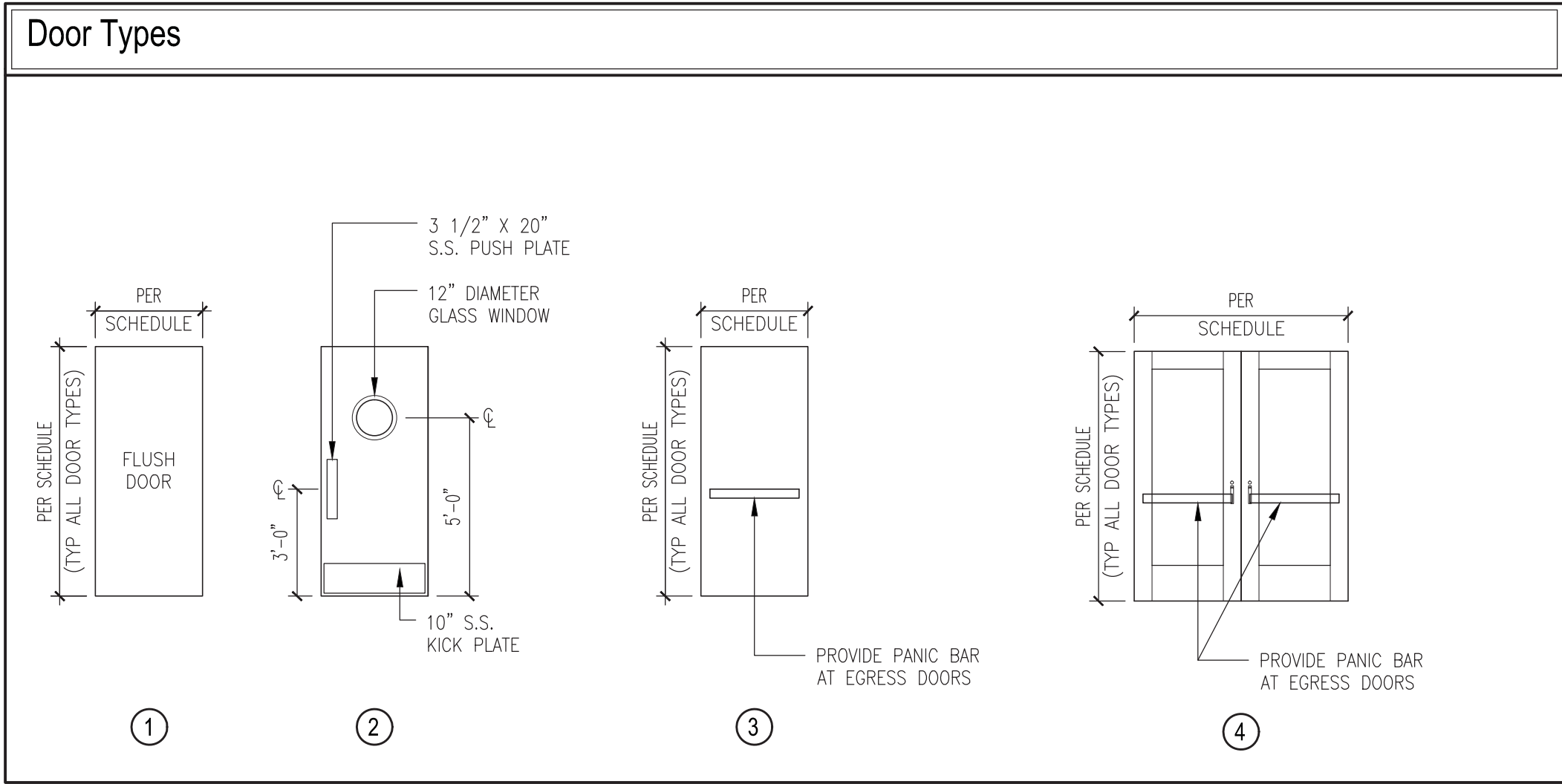
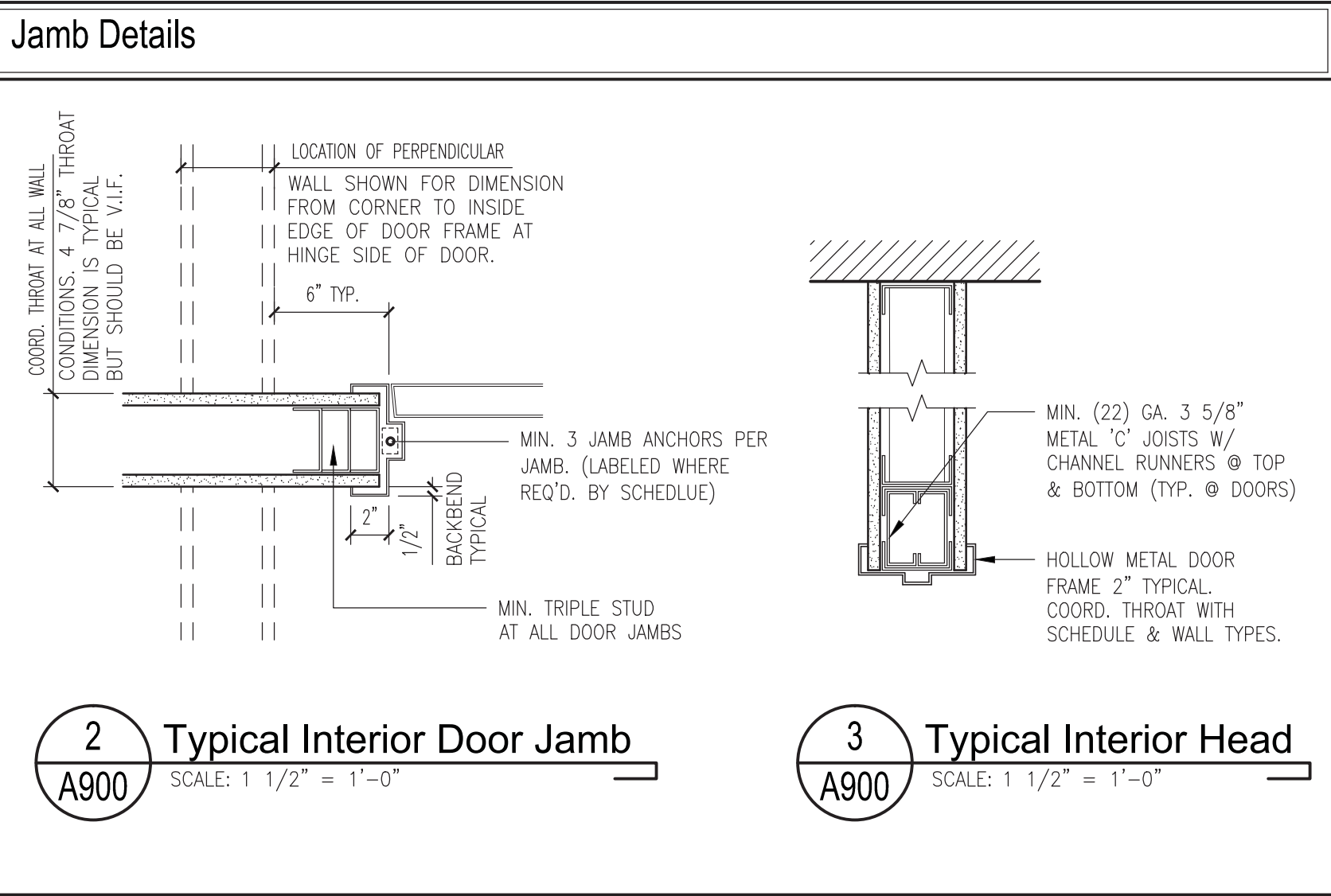
SHEET TITLE:	Interior Elevations
PROJECT:	Interior Fit-Up For: Sweet Frog-Queensbury 765 Upper Glen Street Queensbury, NY

DRAWN BY:	C2 DESIGN
DATE:	11/8/2013
SCALE:	AS NOTED
JOB NO:	1331
SHEET:	A700

Door Schedule													
Door No.	DOOR							FRAME			COMMENTS	NOTES	
	Height	Width	Thk	Mat.	Fin.	Type	Glz.	Mat.	Fin.	Type			
100	7'-0"	(2) 3'-0"	1 3/4"	ALUM	BLACK	4	TEMPERED	AL	BLACK	2	VERIFY HEIGHT AND WIDTH OF STOREFRONT SYSTEM IN FIELD		
101	6'-8"	3'-0"	1 3/4"	FRP	FRP	1		HM	PT	1			
102	7'-0"	(2) 3'-0"	1 3/4"	ALUM	BLACK	4	TEMPERED	AL	BLACK	3			
103	6'-8"	3'-0"	1 3/4"	FRP	FRP	1		HM	PT	1			
104	6'-8"	3'-0"	1 3/4"	HM	PT	3		HM	PT	1	PROVIDE 45 MINUTE RATED DOOR		
105	6'-8"	3'-0"	1 3/4"	HM	PT	3		HM	PT	1			

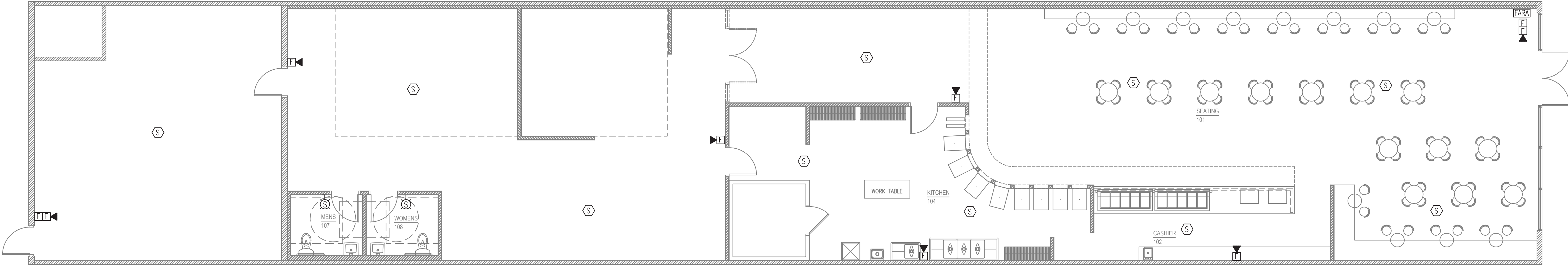
Finish Schedule							
ROOM NO.	ROOM NAME	Floor	Base	Walls	Ceiling	COMMENTS	NOTES
100	SEATING	PCT-1	PTB-1	PAINT	ACT	COORD. PAINT COLORS WITH OWNER	
101	CASHIER	PCT-1	PTB-1	PAINT	ACT	COORD. PAINT COLORS WITH OWNER	
102	KITCHEN	QT-1	QTB-1	PAINT	ACT	COORD. PAINT COLORS WITH OWNER	
103	KIDS PLAY AREA	RF-1	VB-1	PAINT	ACT	COORD. PAINT COLORS WITH OWNER	
104	WOMENS	PCT-1	PTB-1	PAINT	ACT	COORD. PAINT COLORS WITH OWNER	
105	MENS	PCT-1	PTB-1	PAINT	ACT	COORD. PAINT COLORS WITH OWNER	

Finish Schedule Legend	
Finish No.	FINISH SELECTION DETAILS
PT-1	BENJAMIN MOORE PAINT, COLOR BY OWNER
PT-2	BENJAMIN MOORE PAINT, COLOR BY OWNER
PT-3	BENJAMIN MOORE PAINT, COLOR BY OWNER
PCT-1	18X18 CERAMIC TILE SELECTED BY OWNER
PTB-1	4X18 CERAMIC TILE BASE (CUT FROM FIELD TILE SET WITH FACTORY EDGE UP)
QT-1	6X6 QUARRY TILE SELECTED BY OWNER
PCB-1	COVE BASE TO MATCH TILE SELECTED BY OWNER
QTB-1	QUARRY TILE BASE TO MATCH SELECTED TILE BY OWNER
RF-1	RUBBER FLOOR TO BE SELECTED BY OWNER
GT-1	1X1 MOSAIC TILE



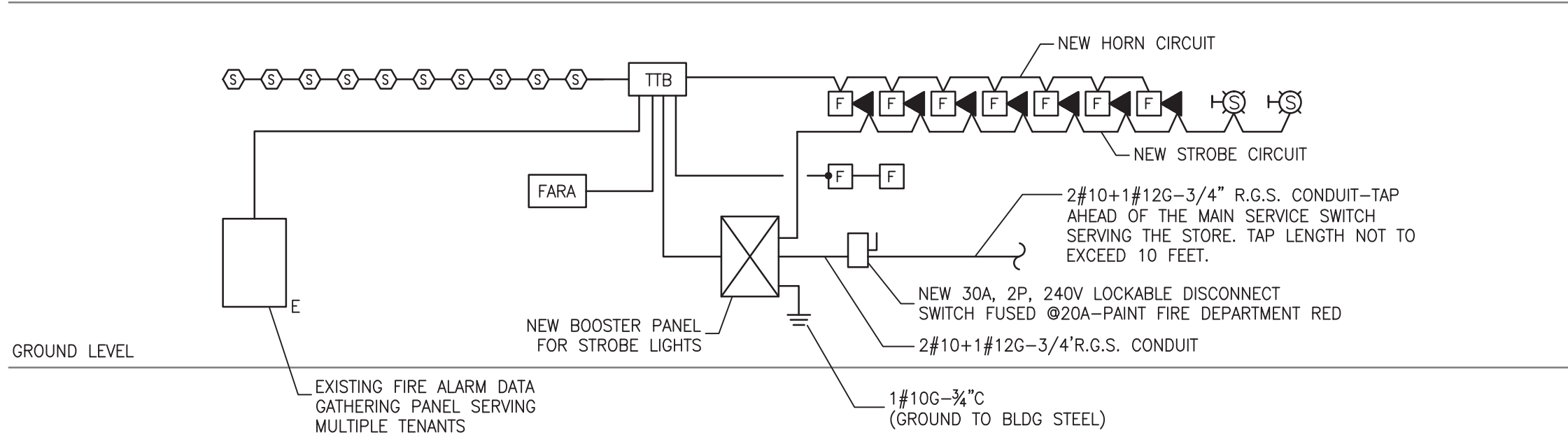


1 Fire Alarm Demolition Plan
SCALE: 3/16" = 1'-0"



2 Fire Alarm Construction Plan
SCALE: 3/16" = 1'-0"

FIRE ALARM LEGEND	
SYMBOL	DESCRIPTION
	COMBINATION FIRE ALARM HORN-STROBE
	FIRE ALARM STROBE LIGHT
	FIRE ALARM PULL STATION
	IONIZATION TYPE SMOKE DETECTOR
	FIRE ALARM REMOTE ANNUNCIATOR
	TRANSMISSION TERMINAL BOX
	DENOTES EXISTING



FIRE ALARM RISER DIAGRAM:
N.T.S.

GENERAL NOTES:

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH NFPA-70, AND NFPA-72.
- ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THE COMPLETE FIRE ALARM SYSTEM. INSTALLATION. SYSTEM SHALL COMPLY WITH ALL CURRENT APPLICABLE CODES, INCLUDING LOCAL LAWS PER AUTHORITY HAVING JURISDICTION. FIRE ALARM INSTALLATION SHALL CONFORM TO BUILDING STANDARDS. COORDINATE ALL WORK WITH BUILDING MANAGEMENT, BASE BUILDING FIRE ALARM SYSTEM VENDOR AND OTHER TRADES.
- PROVIDE AUDIBLE AND VISIBLE FA DEVICES AS INDICATED ON THE DRAWINGS. VISIBLE DEVICES SHALL BE MIN 15 CANDELA, CANDELA LEVEL AND LAYOUT SHALL BE IN ACCORDANCE WITH NFPA REQUIREMENTS.
- COORDINATE DEVICE LOCATIONS WITH AIR DISTRIBUTION SYSTEM DESIGN, AND ADA REQUIREMENTS.
- ALL ENCLOSURES, CONDUIT BODIES AND THEIR COVERS CONTAINING FIRE ALARM SYSTEM CONDUCTORS SHALL BE PAINTED RED.
- PROVIDE FIRE ALARM SMOKE DETECTOR, STROBE LIGHT, SPEAKER UNITS AND OTHER DEVICES AS INDICATED ON THE PLAN. EXACT LOCATION OF DEVICES SHALL BE COORDINATED WITH ARCHITECTS AND FIELD CONDITIONS.
- FIRE ALARM SPEAKER, STROBE AND COMBINATION SPEAKER-STROBE SHALL BE WHITE HOUSING SIMILAR TO BASE BUILDING SYSTEM TYPE. STROBE LIGHTS SHALL MATCH BASE BUILDING SYSTEM CAPABLE OF DELIVERING 100,000 PEAK CANDLE POWER, 24/12 VDC, 90 MA AND SYNCHRONIZED TYPE. THE LAMP SHALL BE A XENON STROBE TYPE.
 - THE LENS SHALL BE UNFILTERED OR CLEAR FILTERED WHITE LIGHT.
 - THE MAXIMUM PULSE DURATION SHALL BE TWO-TENTHS OF ONE SECOND (0.2 SEC) WITH A MAXIMUM DUTY CYCLE OF 40 PERCENT.
 - OPERATING VOLTAGE OF SPEAKER UNITS SHALL BE COMPATIBLE WITH EXISTING BASE BUILDING FIRE ALARM SYSTEM. EXTEND SYSTEM ZONE OR ADDRESSABLE CIRCUITS WITH TYPE AND SIZE MATCHING THE EXISTING SYSTEM.
 - ALL CABLES SHALL BE TYPE "FPLP" HAVING 150C AND COMPLY CABLE SIZE AND CONFIGURATION (SHIELDED/NON) SHALL MATCH EXISTING.
- PROVIDE ADDITIONAL STROBE POWER SUPPLIES AND SYNCHRONIZING HARDWARE FOR NEW STROBES.
- DEVICES AND CONNECTIONS SHOWN ARE FOR INFORMATION ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY THE AS-BUILT CONDITIONS PRIOR TO THE START OF ANY WORK.
- CONTRACTOR SHALL VERIFY ALL WIRING WITH BASE BUILDING FIRE ALARM VENDOR AND OBTAIN WIRING DIAGRAMS BEFORE PROCEEDING WITH THE START OF ANY WORK. DO NOT SPLICE FIRE ALARM CONDUCTORS. IF EXISTING WIRING IS NOT LONG ENOUGH TO REACH NEW LOCATION PULL NEW WIRE OR PROVIDE NEW CONDUIT AND WIRING TO SUIT FIELD CONDITIONS.
- ALL EQUIPMENT SHALL BE COMPATIBLE WITH BASE BUILDING SYSTEM AND UL LISTED AND IN COMPLIANCE WITH ADA REQUIREMENTS. FINAL CONNECTIONS ARE TO BE DONE BY ELECTRICAL CONTRACTOR UNDER THE SUPERVISION OF BASE BUILDING FIRE ALARM VENDOR. PROVIDE ADEQUATE SLACK FOR TERMINATIONS.
- PROVIDE FAN SHUT DOWN CAPABILITY FOR ALL ROOFTOP SYSTEMS. CONTRACTOR SHALL PROVIDE NECESSARY CONTROLS, OUTPUT POINTS, RELAYS, WIRING, POWER, ETC AS PART OF THIS FIRE ALARM SYSTEM SUCH THAT UPON ACTIVATION OF ANY SMOKE DETECTOR, ALL RTU SYSTEMS SHUT DOWN. PROVIDE CONTROL AND MONITORING FOR ALL RELAYS.
- PROVIDE ALL REQUIRED EXPANSION PANELS, PC BOARDS, POWER SUPPLIES, BATTERIES, FUSE OUTLITS AND BRANCH CIRCUITS, ETC. FOR A COMPLETE AND OPERATION FIRE ALARM SYSTEM. SPEAKERS AND STROBES SHALL BE WIRED ON ALTERNATING A-B CIRCUITING IN ALL AREAS.
- PERMITS, STANDARDS AND APPROVALS: OBTAIN PERMISSION FROM BUILDING MANAGEMENT FOR CONNECTIONS OF TENANT SPEAKER LOOPS TO EXISTING BUILDING ALARM SPEAKER LOOPS ON THE FLOORS. ALL ROUTING AND TERMINATIONS OF CABLES SHALL BE DIRECTED AND APPROVED BY BUILDING MANAGEMENT. NO TERMINATIONS SHALL BE MADE WITHOUT PRIOR APPROVAL OF BUILDING MANAGEMENT. ELECTRICAL CONTRACTOR SHALL INCLUDE ALL FEES, COSTS, ETC. FOR FILING, APPROVALS, FINAL CONNECTIONS, SYSTEM REPROGRAMMING, PRE-TESTING AND FIRE DEPARTMENT TESTING AND SIGNOFF.
- AFTER WORK IS COMPLETED AND TESTED, CONTRACTOR SHALL CALL FOR INSPECTION BY THE AHJ. ANY AND ALL ITEMS LISTED IN LETTER OF DEFECT SHALL BE REPAIRED AND RESPONDED TO ACCORDINGLY AT NO ADDITIONAL COST TO OWNER INCLUDING PROVIDING "AS BUILT" PLANS AND RISER DIAGRAMS.



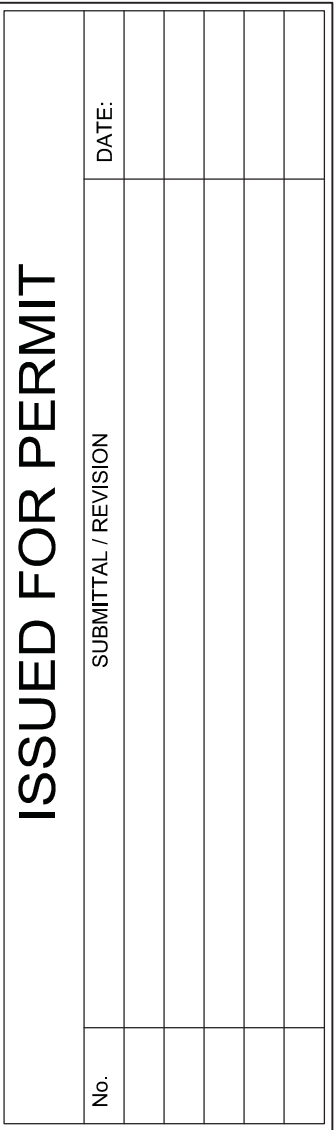
ISSUED FOR PERMIT	
DATE:	
SUBMITTAL / REVISION	
No.	

Fire Alarm Plans	
Interior Fit-Up For	
Sweet Frog-Queensbury	
765 Upper Glen Street	
Queensbury, NY	
SHEET TITLE:	
PROJECT:	

DRAWN BY:	FUSION SYSTEMS
DATE:	11/8/2013
SCALE:	AS NOTED
JOB NO:	A131016.00
SHEET:	
FA100	



11. EQUIVALENT FITTING LENGTHS USED IN HYDRAULIC CALCULATIONS SHALL BE IN ACCORDANCE WITH NFPA STANDARD NO. 13 AND FACTORY MUTUAL 0.5 2-8N.
 - A. WHEREVER FITTINGS ARE USED IN CONJUNCTION WITH LICHTWALL PIPE, EQUIVALENT FITTING LENGTHS INDICATED IN NFPA-13 SHALL BE INCREASED BY 39%.
12. MAXIMUM FLOW VELOCITY SHALL NOT EXCEED 32 F.P.S.
13. WATER SUPPLY INFORMATION TO BE VERIFIED BY FLOW TEST.
 - A. STATIC PRESSURE: - 125 PSI
14. ALL AUTOMATIC SPRINKLER HEADS, PIPE FITTINGS, PIPE HANGERS, AUTOMATIC CONTROL VALVES AND MANUAL CONTROL VALVES SHALL BEAR FACTORY MUTUAL APPROVAL AND SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
15. ALL EXPOSED PIPE, FITTINGS, HANGERS AND SUPPLEMENTARY STEEL SHALL BE PAINTED AND LABELED.
16. ENDS OF ALL CROSS MAINS SHALL BE PROVIDED WITH THREADED FLUSHING CONNECTION NO MORE THAN 2 INCHES IN DIAMETER.
17. PROVIDE AUXILIARY DRAINS FOR ALL BELOW DUCT SPRINKLERS AND OTHER TRAPPED SECTIONS. PIPING TO ONE SINGLE SPRINKLER IS EXCLUDED.
18. PROVIDE FLUSHING CONNECTIONS WHERE REQUIRED BY NFPA AND F.M.
19. MAKE ANY NECESSARY TEMPORARY CONNECTIONS BETWEEN EXISTING AND NEW WORK TO MAINTAIN CONTINUOUS SERVICE OF ALL EXISTING TENANT SYSTEMS. COORDINATE WITH OWNER PRIOR TO PERFORMING ANY SYSTEM SHUTDOWNS.
20. ALL SPRINKLER PIPING CONCEALED ABOVE SUSPENDED CEILING SHALL BE SUITABLE FOR INSTALLATION IN A RETURN AIR PLENUM.



SHEET TITLE:	Fire Protection Plans
PROJECT:	Interior Fit-Up For Sweet Frog-Queensbury Queensbury, NY 765 Upper Glen Street

DRAWN BY:	FUSION SYSTEMS
DATE:	11/6/2013
SCALE:	AS NOTED
JOB NO:	A131016.00
SHEET:	FP100

2009 IECC

Section 1: Project Information

Project Type: **Alteration**
Project Title : Sweet Frog-Queensbury

Construction Site:
765 Upper Glen Street
Queensbury, NY

Owner/Agent:

Designer/Contractor:

Section 2: General Information

Building Location (for weather data):
Climate Zone:
Building Space Conditioning Type(s):
Vertical Glazing / Wall Area Pct.:

Warren, New York
6a
Nonresidential
10%

Activity Type(s)
Tenant Space (Retail)

Floor Area
3850

Section 3: Requirements Checklist

Envelope PASSES						
Climate-Specific Requirements:						
Post-Alteration Assembly	R-Value		Proposed		Max. Allowed	
	Cavity	Cont.	U-Factor	SHGC	U-Factor	SHGC
Exterior Wall 1: Concrete Block®, Partially Grouted, Cells Empty, Furring: Metal, Exemption: Framing cavity not exposed.	---	---	---	---	---	---
Window 1: Metal Frame Curtain Wall/Storefront:Double Pane with Low-E, Clear	---	---	0.450	0.400	0.450	0.400
Door 1: Glass (> 50% glazing):Metal Frame, Entrance Door, Entrance Door	---	---	0.600	0.400	0.800	0.400
Exterior Wall 2: Concrete Block®, Unreinforced, Cells Empty, Furring: Metal, Exemption: Framing cavity not exposed.	---	---	---	---	---	---
Door 2: Insulated Metal, Swinging	---	---	0.600	---	0.700	---
Roof 1: Insulation Entirely Above Deck, Exemption: Neither sheathing nor insulation is exposed.	---	---	---	---	---	---
Floor 1: Other Floor, Exemption: Framing cavity not exposed. (a)	---	---	---	---	---	---

(a) 'Other' components require supporting documentation for proposed U-factors.

- Air Leakage, Component Certification, and Vapor Retarder Requirements:**
- ☐ 1. All joints and penetrations are caulked, gasketed or covered with a moisture vapor-permeable wrapping material installed in accordance with the manufacturer's installation instructions.
 - ☐ 2. Windows, doors, and skylights certified as meeting leakage requirements.
 - ☐ 3. Component R-values & U-factors labeled as certified.
 - ☐ 4. No roof insulation is installed on a suspended ceiling with removable ceiling panels.
 - ☐ 5. 'Other' components have supporting documentation for proposed U-factors.
 - ☐ 6. Insulation installed according to manufacturer's instructions, in substantial contact with the surface being insulated, and in a manner that achieves the rated R-value without compressing the insulation.
 - ☐ 7. Stair, elevator shaft vents, and other outdoor air intake and exhaust openings in the building envelope are equipped with motorized dampers.

Project Title: Sweet Frog-Queensbury
Data filename: P:\2013\A131016.00-Sweet Frog Queensbury\02 - Calculations & Info\HVAC\A131016-Comcheck Calc.cck

Report date: 11/04/13
Page 1 of 7

- ☐ 8. Cargo doors and loading dock doors are weather sealed.
- ☐ 9. Recessed lighting fixtures installed in the building envelope are Type IC rated as meeting ASTM E283, are sealed with gasket or caulk.
- ☐ 10. Building entrance doors have a vestibule equipped with self-closing devices.

Exceptions:
 - ☐ Building entrances with revolving doors.
 - ☐ Doors not intended to be used as a building entrance.
 - ☐ Doors that open directly from a space less than 3000 sq. ft. in area.
 - ☐ Doors used primarily to facilitate vehicular movement or materials handling and adjacent personnel doors.
 - ☐ Doors opening directly from a sleeping/dwelling unit.
 - ☐ Alteration projects that replace an existing door, provided, however, that existing vestibules (i.e., pre-alteration) are not removed.

Section 4: Compliance Statement

Compliance Statement: The proposed envelope alteration project represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed envelope alteration project has been designed to meet the 2009 IECC requirements in COMcheck Version 3.9.2 and to comply with the mandatory requirements in the Requirements Checklist.

Name - Title

Signature

Date

Project Title: Sweet Frog-Queensbury
Data filename: P:\2013\A131016.00-Sweet Frog Queensbury\02 - Calculations & Info\HVAC\A131016-Comcheck Calc.cck

Report date: 11/04/13
Page 2 of 7

2009 IECC

Section 1: Project Information

Project Type: **Alteration**
Project Title : Sweet Frog-Queensbury

Construction Site:
765 Upper Glen Street
Queensbury, NY

Owner/Agent:

Designer/Contractor:

Section 2: Interior Lighting and Power Calculation

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B x C)
Tenant Space (Retail)	3850	1.5	5775
		Total Allowed Watts =	5775

Section 3: Interior Lighting Fixture Schedule

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C x D)
Tenant Space (Retail 3850 sq.ft.)				
Linear Fluorescent 1: 48" T8 32W (Super T8): Electronic:	3	42	96	4032
Incandescent 1: Incandescent 100W:	1	7	100	700
LED 1: LED MR 8W:	1	20	8.5	170
Compact Fluorescent 1: Triple 4-pin 32W: Electronic:	1	9	32	288
			Total Proposed Watts =	5190

Section 4: Requirements Checklist

Interior Lighting PASSES		
Lighting Wattage:		
<input type="checkbox"/> 1. Total proposed watts must be less than or equal to total allowed watts.		
Allowed Watts	Proposed Watts	Complies
5775	5190	PASSES

- Controls, Switching, and Wiring:**
- ☐ 2. Daylight zones under skylights more than 15 feet from the perimeter have lighting controls separate from daylight zones adjacent to vertical fenestration.
 - ☐ 3. Daylight zones have individual lighting controls independent from that of the general area lighting.

Exceptions:
 - ☐ Contiguous daylight zones spanning no more than two orientations are allowed to be controlled by a single controlling device.
 - ☐ Daylight spaces enclosed by walls or ceiling height partitions and containing two or fewer light fixtures are not required to have a separate switch for general area lighting.
 - ☐ 4. Independent controls for each space (switch/occupancy sensor).

Exceptions:

Project Title: Sweet Frog-Queensbury
Data filename: P:\2013\A131016.00-Sweet Frog Queensbury\02 - Calculations & Info\HVAC\A131016-Comcheck Calc.cck

Report date: 11/04/13
Page 3 of 7

- ☐ Areas designated as security or emergency areas that must be continuously illuminated.
- ☐ Lighting in stairways or corridors that are elements of the means of egress.
- ☐ 5. Master switch at entry to hotel/motel guest room.
- ☐ 6. Individual dwelling units separately metered.
- ☐ 7. Medical task lighting or art/history display lighting claimed to be exempt from compliance has a control device independent of the control of the nonexempt lighting.
- ☐ 8. Each space required to have a manual control also allows for reducing the connected lighting load by at least 50 percent by either controlling all luminaires, dual switching of alternate rows of luminaires, alternate luminaires, or alternate lamps, switching the middle lamp luminaires independently of other lamps, or switching each luminaire or each lamp.

Exceptions:
 - ☐ Only one luminaire in space.
 - ☐ An occupant-sensing device controls the area.
 - ☐ The area is a corridor, storeroom, restroom, public lobby or sleeping unit.
 - ☐ Areas that use less than 0.6 Watts/sq.ft.
- ☐ 9. Automatic lighting shutoff control in buildings larger than 5,000 sq. ft.

Exceptions:
 - ☐ Sleeping units, patient care areas; and spaces where automatic shutoff would endanger safety or security.
- ☐ 10. Photocell/astronomical time switch on exterior lights.

Exceptions:
 - ☐ Lighting intended for 24-hour use.
- ☐ 11. Tandem wired one-lamp and three-lamp ballasted luminaires (No single-lamp ballasts).

Exceptions:
 - ☐ Electronic high-frequency ballasts; Luminaires on emergency circuits or with no available pair.

Section 5: Compliance Statement

Compliance Statement: The proposed lighting alteration project represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed lighting alteration project has been designed to meet the 2009 IECC, Chapter 8, requirements in COMcheck Version 3.9.2 and to comply with the mandatory requirements in the Requirements Checklist.

Name - Title

Signature

Date

Project Title: Sweet Frog-Queensbury
Data filename: P:\2013\A131016.00-Sweet Frog Queensbury\02 - Calculations & Info\HVAC\A131016-Comcheck Calc.cck

Report date: 11/04/13
Page 4 of 7

2009 IECC

Section 1: Project Information

Project Type: **Alteration**
Project Title : Sweet Frog-Queensbury

Construction Site:
765 Upper Glen Street
Queensbury, NY

Owner/Agent:

Designer/Contractor:

Section 2: General Information

Building Location (for weather data):
Climate Zone:

Warren, New York
6a

Section 3: Mechanical Systems List

Quantity	System Type & Description
1	HVAC System 1 (Single Zone) : Heating: 1 each - Central Furnace, Gas, Capacity = 130 kBtu/h Proposed Efficiency = 81.00% Et, Required Efficiency = 80.00% Et Cooling: 1 each - Rooftop Package Unit, Capacity = 52 kBtu/h, Air-Cooled Condenser Proposed Efficiency = 15.90 SEER, Required Efficiency = 13.00 SEER Fan System: Unspecified
1	HVAC System 2 (Single Zone) : Heating: 1 each - Central Furnace, Gas, Capacity = 49 kBtu/h Proposed Efficiency = 81.00% Et, Required Efficiency = 80.00% Et Cooling: 1 each - Rooftop Package Unit, Capacity = 41 kBtu/h, Air-Cooled Condenser Proposed Efficiency = 15.70 SEER, Required Efficiency = 13.00 SEER Fan System: Unspecified
1	HVAC System 3 (Single Zone) : Heating: 1 each - Central Furnace, Gas, Capacity = 81 kBtu/h Proposed Efficiency = 81.00% Et, Required Efficiency = 80.00% Et Cooling: 1 each - Rooftop Package Unit, Capacity = 41 kBtu/h, Air-Cooled Condenser Proposed Efficiency = 15.70 SEER, Required Efficiency = 13.00 SEER Fan System: Unspecified

Section 4: Requirements Checklist

- Requirements Specific To: HVAC System 1 :**
- ☐ 1. Equipment minimum efficiency: Central Furnace (Gas): 80.00 % Et (or 78% AFUE)
 - ☐ 2. Equipment minimum efficiency: Rooftop Package Unit: 13.00 SEER
- Requirements Specific To: HVAC System 2 :**
- ☐ 1. Equipment minimum efficiency: Central Furnace (Gas): 80.00 % Et (or 78% AFUE)
 - ☐ 2. Equipment minimum efficiency: Rooftop Package Unit: 13.00 SEER
- Requirements Specific To: HVAC System 3 :**
- ☐ 1. Equipment minimum efficiency: Central Furnace (Gas): 80.00 % Et (or 78% AFUE)
 - ☐ 2. Equipment minimum efficiency: Rooftop Package Unit: 13.00 SEER
- Generic Requirements: Must be met by all systems to which the requirement is applicable:**
- ☐ 1. Plant equipment and system capacity no greater than needed to meet loads

Project Title: Sweet Frog-Queensbury
Data filename: P:\2013\A131016.00-Sweet Frog Queensbury\02 - Calculations & Info\HVAC\A131016-Comcheck Calc.cck

Report date: 11/04/13
Page 5 of 7

- Exception(s):*
- ☐ Standby equipment automatically off when primary system is operating
 - ☐ Multiple units controlled to sequence operation as a function of load
 - ☐ 2. Minimum one temperature control device per system
 - ☐ 3. Minimum one humidity control device per installed humidification/dehumidification system
 - ☐ 4. Load calculations per ASHRAE/ACCA Standard 183.
 - ☐ 5. Automatic Controls: Setback to 55°F (heat) and 85°F (cool); 7-day clock, 2-hour occupant override, 10-hour backup
- Exception(s):*
- ☐ Continuously operating zones
 - ☐ 6. Outside-air source for ventilation; system capable of reducing OSA to required minimum
 - ☐ 7. R-5 supply and return air duct insulation in unconditioned spaces
 - ☐ R-8 supply and return air duct insulation outside the building
 - ☐ R-8 insulation between ducts and the building exterior when ducts are part of a building assembly
- Exception(s):*
- ☐ Ducts located within equipment
 - ☐ Ducts with interior and exterior temperature difference not exceeding 15°F.
 - ☐ 8. Mechanical fasteners and sealants used to connect ducts and air distribution equipment
 - ☐ 9. Ducts sealed: longitudinal seams on rigid ducts; transverse seams on all ducts; UL 181A or 181B tapes and mastics
 - ☐ 10. Hot water pipe insulation: 1.5 in. for pipes <=1.5 in. and 2 in. for pipes >1.5 in.
 - ☐ Chilled water/refrigerant/brine pipe insulation: 1.5 in. for pipes <=1.5 in. and 1.5 in. for pipes >1.5 in.
 - ☐ Steam pipe insulation: 1.5 in. for pipes <=1.5 in. and 3 in. for pipes >1.5 in.
- Exception(s):*
- ☐ Piping within HVAC equipment.
 - ☐ Fluid temperatures between 55 and 105°F.
 - ☐ Fluid not heated or cooled with renewable energy.
 - ☐ Piping within room fan-coil (with AHRI440 rating) and unit ventilators (with AHRI840 rating).
 - ☐ Runouts <4 ft in length.
 - ☐ 11. Operation and maintenance manual provided to building owner
 - ☐ 12. Thermostatic controls have 5°F deadband
- Exception(s):*
- ☐ Thermostats requiring manual changeover between heating and cooling
 - ☐ Special occupancy or special applications where wide temperature ranges are not acceptable and are approved by the authority having jurisdiction.
 - ☐ 13. Balancing devices provided in accordance with IMC (2006) 603.17
 - ☐ 14. Demand control ventilation (DCV) present for high design occupancy areas (>40 person/1000 ft2 in spaces >500 ft2) and served by systems with any one of 1) an air-side economizer, 2) automatic modulating control of the outdoor air damper, or 3) a design outdoor airflow greater than 3000 cfm.
- Exception(s):*
- ☐ Systems with heat recovery.
 - ☐ Multiple-zone systems without DDC of individual zones communicating with a central control panel.
 - ☐ Systems with a design outdoor airflow less than 1200 cfm.
 - ☐ Spaces where the supply airflow rate minus any makeup or outgoing transfer air requirement is less than 1200 cfm.
- ☐ 15. Motorized, automatic shutoff dampers required on exhaust and outdoor air supply openings
- Exception(s):*
- ☐ Gravity dampers acceptable in buildings <3 stories
 - ☐ 16. Automatic controls for freeze protection systems present
 - ☐ 17. Exhaust air heat recovery included for systems 5,000 cfm or greater with more than 70% outside air fraction or specifically exempted
- Exception(s):*
- ☐ Hazardous exhaust systems, commercial kitchen and clothes dryer exhaust systems that the International Mechanical Code prohibits the use of energy recovery systems.
 - ☐ Systems serving spaces that are heated and not cooled to less than 60°F.
 - ☐ Where more than 60 percent of the outdoor heating energy is provided from site-recovered or site solar energy.
 - ☐ Heating systems in climates with less than 3600 HDD.
 - ☐ Cooling systems in climates with a 1 percent cooling design wet-bulb temperature less than 64°F.
 - ☐ Systems requiring dehumidification that employ energy recovery in series with the cooling coil.
 - ☐ Laboratory fume hood exhaust systems that have either a variable air volume system capable of reducing exhaust and makeup air volume to 50 percent or less of design values or, a separate make up air supply meeting the following makeup air requirements:

Project Title: Sweet Frog-Queensbury
Data filename: P:\2013\A131016.00-Sweet Frog Queensbury\02 - Calculations & Info\HVAC\A131016-Comcheck Calc.cck

Report date: 11/04/13
Page 6 of 7

a) at least 75 percent of exhaust flow rate, b) heated to no more than 2°F below room setpoint temperature, c) cooled to no lower than 3°F above room setpoint temperature, d) no humidification added, e) no simultaneous heating and cooling.

Section 5: Compliance Statement

Compliance Statement: The proposed mechanical alteration project represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed mechanical alteration project has been designed to meet the 2009 IECC, Chapter 8, requirements in COMcheck Version 3.9.2 and to comply with the mandatory requirements in the Requirements Checklist.

Name - Title

Signature

Date

Section 6: Post Construction Compliance Statement

- ☐ HVAC record drawings of the actual installation, system capacities, calibration information, and performance data for each equipment provided to the owner.
- ☐ HVAC O&M documents for all mechanical equipment and system provided to the owner by the mechanical contractor.
- ☐ Written HVAC balancing and operations report provided to the owner.

The above post construction requirements have been completed.

Principal Mechanical Designer-Name

Signature

Date

Project Title: Sweet Frog-Queensbury
Data filename: P:\2013\A131016.00-Sweet Frog Queensbury\02 - Calculations & Info\HVAC\A131016-Comcheck Calc.cck

Report date: 11/04/13
Page 7 of 7

HVAC SYMBOLS:

	RECTANGULAR DUCT. (FIRST NUMBER IS SIDE SHOWN) DIMENSIONS IN INCHES
	12 INCH ROUND DUCT
	MOTORIZED DAMPER
	FLEXIBLE DUCT
	DUCT FLEXIBLE CONNECTOR (FC)
	DUCT DROPS AND RISES IN DIRECTION OF AIR FLOW
	RETURN DUCT TURNED UP OR DOWN (DASHED)
	SUPPLY DUCT TURNED UP OR DOWN (DASHED)
	EXHAUST DUCT TURNED UP OR DOWN (DASHED)
	ACOUSTICAL LINING (DUCT DIM. FOR NET FREE AREA)
	ROUND DUCT ELBOW DOWN
	ROUND DUCT ELBOW UP
	SQUARE TO ROUND TRANSITION
	CAP (DUCT AND/OR PIPE)
	INDICATES DUCT, PIPING, EQUIPMENT TO BE REMOVED.
	EXHAUST AIR
	RETURN AIR
	SUPPLY AIR
	VOLUME DAMPER
	FIRE DAMPER
	SMOKE DAMPER
	TAG NO.
	COMBINATION SMOKE/FIRE DAMPER
	TAG NO.
	RECTANGULAR ELBOW W/TURNING VANES
	DIRECTION OF AIR FLOW (IN)
	DIRECTION OF AIR FLOW (OUT)
	HUMIDISTAT OR HUMIDITY SENSOR
	THERMOSTAT (T*STAT) OR TEMP. SENSOR

PIPING SYMBOLS:

	UNION		ORIFICE FLOWMETER
	FLANGE		FLEXIBLE PIPE CONNECTOR
	PIPE ANCHOR		EXPANSION JOINT
	PIPE GUIDE OR SLEEVES		STEAM TRAP (FLOAT AND THERMOSTATIC INDICATED T.T., THERMOSTAT, B.T., BUCKET TRAP, T.D. THERMODYNAMIC TRAP)
	PIPE ELBOW TURNED DOWN		CONCENTRIC REDUCER/INCREASER
	PIPE ELBOW TURNED UP		ECCENTRIC REDUCER/INCREASER
	PIPING TEE-DOWN		HOSE BIBB
	PIPING TEE-UP		WALL HYDRANT
	PIPE RISER		DIRECTION OF FLOW
	FLOOR CLEAN OUT		FIRE DEPARTMENT CONNECTION
	CLEAN OUT		PUMP
	WALL CLEAN OUT		WATER HAMMER SUPPRESSER
	PIPE PITCHES DOWN		FINNED TUBE BASEBOARD
	GENERIC VALVE, SEE SPECIFICATIONS FOR TYPE		HUMIDIFIER
	GATE VALVE		DIFFERENTIAL PRESSURE TRANSMITTER
	BALL VALVE		SPRINKLER HEAD
	BUTTERFLY VALVE (MANUAL)		GAS TURRET
	2-WAY CONTROL VALVE		MEDICAL OXYGEN OUTLET
	3-WAY CONTROL VALVE		MEDICAL VACUUM INLET
	BALANCING VALVE (CIRCUIT SETTER)		MEDICAL AIR OUTLET
	CHECK VALVE		NITROUS OXIDE OUTLET
	PLUG VALVE		FLOW SWITCH
	GLOBE VALVE		PRESSURE GAUGE AND COCK
	NEEDLE VALVE		THERMOMETER AND WELL
	BACK FLOW PREVENTER		TEMPERATURE & PRESSURE TAP (PETE'S PLUG)
	SOLENOID VALVE		HOSE END DRAIN VALVE WITH CAP
	PRESSURE REDUCING OR REGULATING VALVE		
	PRESSURE RELIEF VALVE		
	STRAINER		
	STRAINER W/BLOWDOWN		
	MANUAL AIR VENT		
	AUTOMATIC AIR VENT		
	PRESSURE SWITCH		

ABBREVIATIONS:

AAV	AUTOMATIC AIR VENT	EA	EXHAUST AIR	PAE	PROCESS ACID EXHAUST
ACC	AIR COOLED CONDENSER	EF	EXHAUST FAN	PHE	PROCESS HEAT EXHAUST
ACU	AIR CONDITIONING UNIT	ENC	ENCLOSURE	PSE	PROCESS SOLVENT EXHAUST
AD	ACCESS DOOR	ER	EXHAUST REGISTER	PP	POLY-PROPYLENE
AE	ACID EXHAUST	(E)	EXISTING	PPE	PRE PURCHASED EQUIPMENT
AFF	ABOVE FINISHED FLOOR	EXIST.	EXISTING	PRS	PRESSURE REDUCING STATION
AFMS	AIR FLOW MEASURING STATION	FBO	FURNISHED BY OWNER	PRV	PRESSURE REDUCING VALVE
AHU	AIR HANDLING UNIT	FBP	FACE AND BYPASS	PVD	PNEUMATIC VOLUME DAMPER
ATC	AUTOMATIC TEMPERATURE CONTROL	FC	FLEXIBLE CONNECTION	(R)	REMOVE
AV	AIR VENT	FCO	FLOOR CLEANOUT	RA	RETURN AIR
BA	BREATHING COMPRESSED AIR	F.D.	FLOOR DRAIN	(REL.)	RELOCATED
BB	BASEBOARD	FD	FIRE DAMPER	RD	ROOF DRAIN
BDD	BACKDRAFT DAMPER	FG	FIBERGLASS	RF	RETURN FAN
BG	BLAST GATE	F & T	FLOAT AND THERMOSTATIC	RG	RETURN GRILLE
BFP	BACKFLOW PREVENTER	FO	FLAT OVAL	RHC	REHEAT COIL
BLDG	BUILDING	FRHB	FREEZE RESISTANT HOSE BIBB	RM	ROOM
BOD	BOTTOM OF DUCT	FTR	FINNED TUBE RADIATION	RPZ	REDUCED PRESSURE ZONE BFP
BOP	BOTTOM OF PIPE	FS	FLOW SWITCH	RR	RETURN REGISTER
BTU	BRITISH THERMAL UNIT	GC	GENERAL CONTRACTOR	RV	RELIEF VALVE
CBD	COUNTER BALANCED DAMPER	GPM	GALLONS PER MINUTE	SA	SUPPLY AIR
CD	CEILING DIFFUSER	H	HUMIDIFIER	SCV	SELF CONTAINED VALVE
CFF	CAPPED FOR FUTURE	HB	HOSE BIB	SD	SMOKE DETECTOR
CFM	CUBIC FEET PER MINUTE	HRU	HEAT RECOVERY UNIT	SF	SUPPLY FAN
CG	CEILING	HTR	HEATER	SG	SUPPLY GRILLE
CO	CLEANOUT	H & V	HEATING AND VENTILATION	SR	SUPPLY REGISTER
CONT	CONTINUATION	HVAC	HEATING, VENTILATING AND AIR CONDITIONING	SS	STAINLESS STEEL
COORD	COORDINATE	HW	HOT WATER	TE	TEMPERATURIZED ELEMENT (SENSOR)
CP	CONDENSATE PUMP & RECEIVER	HX	HEAT EXCHANGER	TG	TRANSFER GRILLE
CT	COOLING TOWER	IN WG	INCHES WATER GAUGE	TOD	TOP OF DUCT
CTE	CONNECT TO EXISTING	LD	LINED DUCT	TOP	TOP OF PIPE
CU	COPPER	MAU	MAKE UP AIR UNIT	TTS	TIGHT TO STEEL
CUH	CABINET UNIT HEATER	MAX	MAXIMUM	TV	TURNING VANE(S)
CV	CONTROL VALVE	MBH	1000 BTU/HR.	TYP	TYPICAL
CW	COLD WATER	ME	MECHANICAL ENGINEER	UH	UNIT HEATER
CW-P	CITY WATER-PROCESS	MFR	MANUFACTURER	UIC	UP IN CHASE
DC	DOUBLE CONTAINED	MIN	MINIMUM	UIW	UP IN WALL
DDC	DIRECT DIGITAL CONTROL	MD	MOTOR OPERATED DAMPER	UV	UNIT VENTILATOR
DIA	DIAMETER	MPV	MULTI-PURPOSE VALVE	VAV	VARIABLE AIR VOLUME BOX
DIC	DOWN IN CHASE	MTD	MOUNTED	VB	VACUUM BREAKER
DIW	DOWN IN WALL	MUA	MAKE UP AIR	VTR	VENT THRU ROOF
DN	DOWN	NPW	NON-POTABLE WATER	VD	MANUAL VOLUME DAMPER
DS	DOWNSPOUT	NTS	NOT TO SCALE	VCFF	VALVED AND CAPPED FOR FUTURE
DT	DROP AND TRANSITION	OA	OUTSIDE AIR	VFD	VARIABLE FREQUENCY DRIVE
DWG	DRAWING	OBD	OPPOSED BLADE DAMPER	VOC	VOLATILE ORGANIC COMPOUNDS
DWH	DOMESTIC WATER HEATER	OED	OPEN ENDED DUCT	W/	WITH
		P-#	PLUMBING FIXTURE TAG	WCO	WALL CLEANOUT
		PEA	ALKALI EXHAUST	WH	WALL HYDRANT
		PEH	HEAT EXHAUST		

PIPING SYSTEMS:

10:1 HF	10:1 HF	HCV	HOUSE CLEAN VACUUM	PW	POTABLE WATER
AV	ACID VENT	HG	HOT GAS	R	RELIEF LINE
AD	ACID DRAIN	HPS	HIGH PRESSURE STEAM	RL	REFRIGERANT LIQUID
AD	ACID DRAIN (BELOW SLAB)	HPR	HIGH PRESSURE CONDENSATE RETURN	RS	REFRIGERANT SUCTION
BA	BREATHING AIR	HWS	HOT WATER SUPPLY	SLD	MIXED SOLVENT DRAIN
CD	CONDENSATE DRAIN	HWR	HOT WATER RETURN	SV	SOLVENT
CDA	COMPRESSED DRY AIR	IAD	ISOPROPYL ALCOHOL DRAIN	SP	SPRINKLER
CHWS	CHILLED WATER SUPPLY	LP	LIQUID PROPANE GAS	TW	TEMPERED WATER
CHWR	CHILLED WATER RETURN	HLP	HIGH PRESSURE LIQUID PROPANE GAS	TWS	TEMPERED CHILLED WATER SUPPLY
CWS	CONDENSER WATER SUPPLY	LPS	LOW PRESSURE STEAM	TWR	TEMPERED CHILLED WATER RETURN
CWR	CONDENSER WATER RETURN	LPR	LOW PRESSURE RETURN	VAC	PLANT VACUUM
DB	DISTRIBUTION VALVE BOX	MA	MEDICAL AIR	ZB	ZONE VALVE BOX
DIS	DEIONIZED WATER SUPPLY	MPS	MEDIUM PRESSURE STEAM	TEMP	DOMESTIC HOT WATER (TEMP °F)
DIR	DEIONIZED WATER RETURN	MPR	MEDIUM PRESSURE RETURN	TEMP	RECIRC. DOMESTIC HOT WATER (TEMP °F)
EKCD	EKC DRAIN	MV	MEDICAL VACUUM	CW	DOMESTIC COLD WATER
ESW	EYEWASH	N2NP	NON-PROCESS NITROGEN	HW	DOMESTIC HOT WATER (120° F)
FCS	FREE COOLING SUPPLY	N2	PROCESS NITROGEN	RHW	RECIRCULATED DOMESTIC HOT WATER (120° F)
FCR	FREE COOLING RETURN	NG	NATURAL GAS	S, W or KW	S SANITARY, W WASTE & KW KITCHEN WASTE
FOS	FUEL OIL SUPPLY	HNG	HIGH PRESSURE NATURAL GAS	S, W or KW	S SANITARY, W WASTE & KW KITCHEN WASTE (EXIST.)
FOR	FUEL OIL RETURN	NO2	NITROUS OXIDE	SD	SD STORM DRAIN
FOV	FUEL OIL VENT	NEG. SOLV.	NEGATIVE SOLVENT DRAIN	SD	SD STORM DRAIN (EXIST.)
GCR	GRAVITY STEAM CONDENSATE RETURN	NPW	NON POTABLE COLD WATER	V	V SANITARY VENT
GLY	GLYCOL	O2	OXYGEN	V	V SANITARY VENT (EXIST.)
GV	GAS VENT	OFA	OIL FREE COMPRESSED AIR		
H	HYDROGEN	PCWR	PROCESS COOLING WATER RETURN		
H2O2	HYDROGEN PEROXIDE	PC	PUMPED STEAM CONDENSATE		
HCR	HOT/ CHILLED WATER RETURN	PD	PUMPED DISCHARGE		
HCS	HOT/ CHILLED WATER SUPPLY	POS. SOLV.	POSITIVE SOLVENT DRAIN		



ISSUED FOR PERMIT	DATE:	
	REVISION:	
	SUBMITTAL:	
	NO.	

SHEET TITLE:	MECHANICAL SYMBOLS AND ABBREVIATIONS
	PROJECT:
Interior Fit-Up For Sweet Frog-Queensbury 765 Upper Glen Street Queensbury, NY	

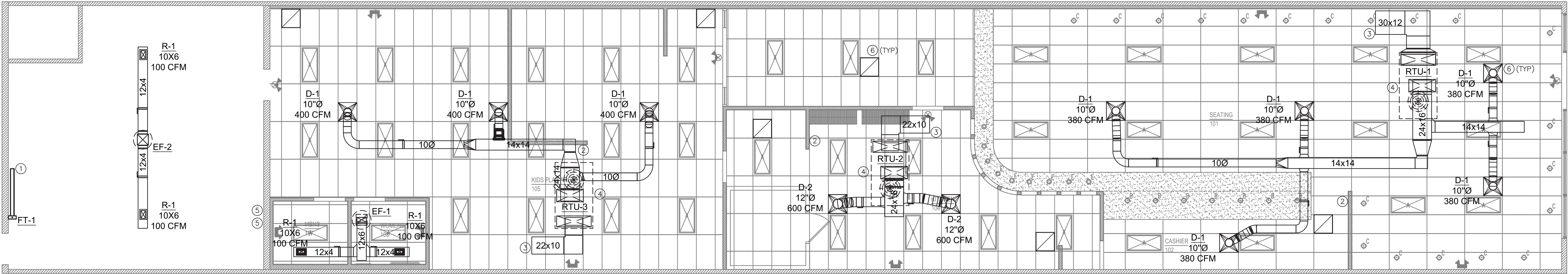
DRAWN BY:	FUSION SYSTEMS
DATE:	11/8/2013
SCALE:	NONE
JOB NO:	A131016.00
SHEET:	M001



DEMOLITION NOTES:

- 1 REMOVE EXISTING GAS FIRED UNIT HEATER, FLUE, AND ALL ASSOCIATED WIRING, CONTROLS, DEVICES, AND APPURTENANCES. PATCH ROOF OPENING TO MATCH EXISTING CONSTRUCTION.

1 Mechanical Demolition Plan
M100 SCALE: 3/16" = 1'-0"



2 Mechanical Construction Plan
M100 SCALE: 3/16" = 1'-0"

PACKAGED ROOFTOP AIR HANDLING UNIT SCHEDULE - DX/GAS																								
UNIT NO.	LOCATION	SERVICE	CFM STD AIR	MIN O.A. CFM	S.P. IN WG		FAN MOTOR		COOLING COIL					HEATING COIL			ELECTRICAL			MIN EER (AHR)	NOTES			
					EXT	TOTAL	RPM	HP	E.A.T.		L.A.T.		NOMINAL TONS	COOLING STAGES	ROWS AND CIRCUITS	E.A.T.	L.A.T.	OUTPUT	MIN GAS PRESS BEFORE REG			VOLTS	PHASE	MCA
									DB	WB	DB	WB				DEG F	DEG F	MBH						
RTU-1	ROOF	SEATING	1900	1200	1.0	2.0	1760	2	82.0	67.4	57.4	57.2	4	1	6/1	21.4	84.4	129.6	7"	480	3	18	13.6	3.4,5.7
RTU-2	ROOF	KITCHEN	1200	120	1.0	1.75	1760	1	76.1	63.3	51.4	51.2	3	1	6/1	62.3	99.8	48.6	7"	480	3	11	13.5	1.6,7
RTU-3	ROOF	KIDS PLAY AREA	1200	600	1.0	1.75	1760	1	80.5	66.4	54.1	54.3	3	1	6/1	31.5	93.9	81.0	7"	480	3	13	13.5	2.4,7
NOTES:																								
1. PROVIDE STANDARD GAS HEAT EXCHANGER W/SINGLE STAGE HEAT																								
2. PROVIDE ALUMINIZED GAS HEAT EXCHANGER W/2-STAGE HEAT																								
3. PROVIDE STAINLESS STEEL GAS HEAT EXCHANGER W/4-STAGE HEAT																								
4. PROVIDE POWER EXHAUST FAN																								
5. PROVIDE MODULATING ECONOMIZER																								
6. PROVIDE LOW AMBIENT COOLING CONTROL																								
7. PROVIDE MANUFACTURER PROGRAMMABLE UNITARY CONTROLLER AND INTEGRATED TEMPERATURE CONTROLS WITH REMOTE SENSOR																								

FAN SCHEDULE												
UNIT NO.	LOCATION	SERVICE	TYPE	CFM	S.P.	DRIVE	MOTOR				NOTES	DESIGN EQUIPMENT
							RPM	HP	VOLTS	PHASE		
EF-1	ROOF	TOILETS	DOWNBLAST	200	0.5	BELT	1508	1/6	120	1	HOA	1 COOK ACEB-70
EF-2	ROOF	STORAGE	DOWNBLAST	200	0.5	BELT	1508	1/6	120	1	HOA	1 COOK ACEB-70
NOTES:												
1. PROVIDE 12" ROOF CURB AND BACKDRAFT DAMPER												

CONSTRUCTION NOTES:

- NEW WALL MOUNTED ELECTRIC FINNED TUBE RADIATION, SIMILAR TO RAYWALL MODEL DBCT-6, 480V-3PH, 3kW. PROVIDE LINE VOLTAGE THERMOSTAT.
- LOCATE RTU THERMOSTAT PER OWNER DIRECTION.
- OPEN ENDED DUCT WITH WIRE MESH SCREEN
- PROVIDE 12" ROOF CURB AND FLEXIBLE DUCT CONNECTIONS AT UNIT. CONTRACTOR SHALL RETAIN THE SERVICES OF A STRUCTURAL ENGINEER TO DESIGN SUPPLEMENTAL STEEL SYSTEM ASSOCIATED WITH SUPPORT OF THE ROOFTOP EQUIPMENT. CONTRACTOR SHALL PROVIDE ALL REQUIRED LABOR MATERIALS, MEANS AND METHODS NECESSARY TO INSTALL ENGINEERED STRUCTURAL FRAMING AND DESIGN. COORDINATE WITH THE AHJ FOR PERMIT REQUIREMENTS, AND ANY SPECIAL INSPECTIONS..
- PROVIDE WALL MOUNTED PROGRAMMABLE TIMECLOCK IN STORAGE AREA FOR EXHAUST FANS
- SUPPLY DIFFUSERS EQUAL TO TITUS TMS. CEILING REGISTERS EQUAL TO TITUS 355RL WITH FIELD INSTALLED SHEETMETAL LIGHT SHIELD. ARCHITECT TO SELECT COLOR AND FINISH.

GENERAL NOTES:

- GENERAL NOTES, SYMBOL LIST AND DETAILS ARE APPLICABLE TO ALL HVAC/MECHANICAL DRAWINGS.
- DRAWINGS ARE DIAGRAMMATIC. DETERMINE LOCATIONS OF SYSTEMS AND COMPONENTS IN FIELD. RELOCATE EXISTING WORK THAT INTERFERES WITH WORK OF THIS CONTRACT.
- COORDINATE THIS WORK WITH THAT OF OTHER TRADES.
- MANUFACTURERS MODEL NUMBERS ARE SPECIFIED SOLELY TO ESTABLISH STANDARDS OF QUALITY FOR PERFORMANCE AND MATERIALS.
- PRODUCT INSTALLATION SHALL ADHERE TO MANUFACTURERS RECOMMENDATIONS.
- PROVIDE HANGERS, INSERTS, ANCHORS, SUPPLEMENTAL STEEL & SUPPORTS AS REQUIRED TO SUPPORT DUCTWORK, PIPING AND EQUIPMENT FROM STRUCTURE.
- SCHEDULE WORK OF THIS SECTION TO AVOID INTERFERING WITH EXISTING OPERATIONS IN THE FACILITY.
- COORDINATE ROOF PENETRATIONS WITH WORK OF OTHER SECTIONS AND WITH FLASHING REQUIREMENTS. MECHANICAL CONTRACTOR TO NOTIFY OWNER PRIOR TO STARTING WORK TO VERIFY COMPLIANCE WITH BOND AND WARRANTY OF EXISTING ROOF.
- RUN DUCTS AND PIPING CONCEALED, UNLESS OTHERWISE SPECIFIED AND CLEAR OF CEILING INSERTS.
- INSTALL THERMOSTATS 4'-6" ABOVE FINISHED FLOOR OR AS DIRECTED OTHERWISE BY ARCHITECT.
- STRUCTURAL WELDING SHALL BE CONTINUOUS 1/4" FILLET UNLESS REQUIRED OTHERWISE.
- AIR SYSTEMS REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF AIR DEVICES.
- INTERNAL AIRFLOW DIMENSIONS ARE SHOWN FOR DUCTS. INCREASE DUCT SIZE AS NECESSARY TO MAINTAIN FREE FLOW AREA INDICATED.
- USE FLAT TRANSVERSE SEAM FOR DUCTWORK WHERE SPACE AVAILABLE DICTATES.
- DIFFUSER SIZES SHOWN ARE NECK SIZES. REGISTERS AND GRILLE SIZES ARE NOMINAL.
- PROVIDE VOLUME DAMPERS OR OTHER APPROVED BALANCING DEVICES AT DUCT BRANCHES AND RUN OUTS, AND AT REGISTER GRILLE AND DIFFUSER NECKS IN SUPPLY, RETURN AND EXHAUST DUCTWORK WHETHER SHOWN OR NOT.
- DUCTWORK DOWNSTREAM OF ALL SUPPLY AIR FANS IN ROOFTOP UNITS SHALL BE ACOUSTICALLY LINED WITH 1" ACOUSTICAL LINING FOR A MINIMUM OF 15 FEET.
- PROVIDE 36" CLEARANCE IN FRONT OF ALL ELECTRIC CONTROL PANELS PER N.E.C. AND MFG. REQUIREMENTS.



ISSUED FOR PERMIT	
DATE	
SUBMITAL / REVISION	
No	

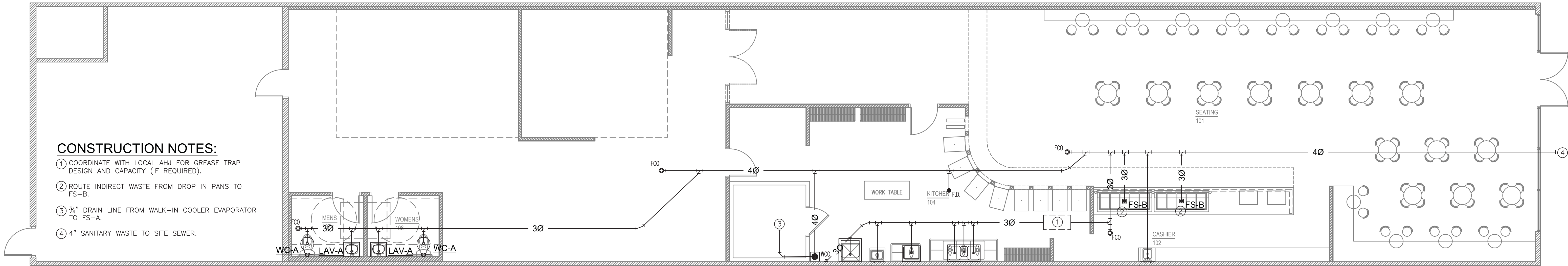
HVAC Plans	
Interior Fit-Up For	
Sweet Frog-Queensbury	
765 Upper Glen Street	
Queensbury, NY	

DRAWN BY:	FUSION SYSTEMS
DATE:	11/8/2013
SCALE:	AS NOTED
JOB NO:	A131016.00
SHEET:	M100



1 Plumbing Demolition Plan
P100

SCALE: 3/16" = 1'-0"



2 Plumbing Drain and Waste Plan
P100

SCALE: 3/16" = 1'-0"

GENERAL NOTES:

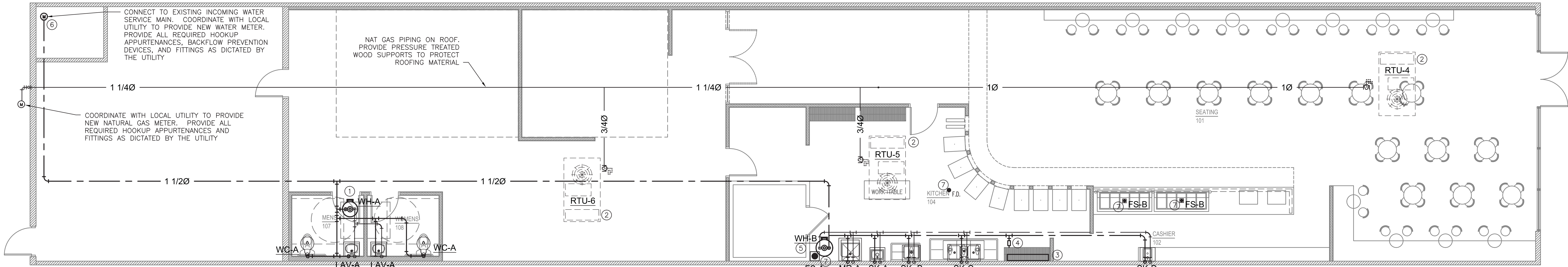
- VENT PIPING NOT SHOWN. CONTRACTOR SHALL PROVIDE VENT PIPING AS REQUIRED BY NY STATE PLUMBING CODE, AND ROUTE CONCEALED THROUGH ROOF. ALL PIPING ABOVE CEILING MUST BE PLENUM RATED (PVC IS PROHIBITED).
- NEITHER ACCURACY NOR COMPLETION OF UTILITY LOCATIONS SHOWN ON DRAWINGS IS GUARANTEED. DETERMINE EXACT LOCATIONS OF EXISTING UTILITY IN FIELD, WHETHER OR NOT SHOWN ON DRAWINGS. EXERCISE CAUTION AND IDENTIFY LOCATIONS OF UNMARKED UTILITY LINES AS NECESSARY TO PERFORM WORK OF THIS SECTION.
- ALL PLUMBING WORK SHALL BE IN ACCORDANCE WITH NY STATE PLUMBING CODE AND SUBJECT TO THE APPROVAL OF THE AHJ.
- IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO COORDINATE HIS WORK WITH THAT OF ALL OTHER TRADES, INCLUDING (BUT NOT LIMITED TO), ELECTRICAL, HVAC DUCT AND PIPING, SPRINKLER, PLUMBING STRUCTURAL AND GENERAL ARCHITECTURE.
- ANY INTERFERENCE SHALL BE BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER AND THE OWNER'S REPRESENTATIVE, AND SHALL BE RESOLVED PRIOR TO THE INSTALLATION OF THE WORK INVOLVED.
- NO WORK SHALL BE INSTALLED IN VIOLATION OF ANY GOVERNING CODES. ANY WORK SHOWN ON THE DRAWINGS WHICH IS IN VIOLATION OF SUCH CODES SHALL BE BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER AND THE OWNER'S REPRESENTATIVE AND SHALL BE RESOLVED PRIOR TO THE INSTALLATION OF THE WORK INVOLVED.
- ALL PIPING PENETRATING CEILING AND WALLS SHALL BE INSTALLED WITH CHROME (STAINLESS WHERE NOTED) PLATED ESCUTCHEONS AT THE PENETRATION. ALL PIPING PENETRATING EXTERIOR WALLS AND ROOFS SHALL BE FLASHED IN AN APPROVED MANNER AND SHALL BE SEALED WEATHER TIGHT. PIPING PENETRATING RATED PARTITIONS SHALL BE PROTECTED AS REQUIRED BY LOCAL CODE AUTHORITY. (SEE DETAILS)
- MANUFACTURER'S MODEL NUMBERS ARE SPECIFIED SOLELY TO ESTABLISH STANDARDS OF QUALITY FOR PERFORMANCE AND MATERIALS.
- PRODUCTION INSTALLATION SHALL ADHERE TO MANUFACTURERS' RECOMMENDATIONS.
- PROVIDE ACCESS PANELS FOR EQUIPMENT THAT REQUIRES PERIODIC SERVICE.
- TOPS OF ALL FLOOR DRAINS AND CLEANOUTS SHALL BE SET FLUSH WITH FINISHED FLOOR. ALL PIPING ABOVE GRADE SHALL BE PROPERLY SUPPORTED BY THE BUILDING STRUCTURE AND SHALL NOT REST ON CEILING STRUCTURE.
- CONTRACTOR SHALL COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL PLUMBING EQUIPMENT WITH THE ELECTRICAL DRAWINGS AND SHALL FURNISH EQUIPMENT WIRED FOR THE VOLTAGES SHOWN HEREIN.
- PROVIDE SHUTOFF VALVES ON ALL BRANCH PIPING AND ON ALL SUPPLIES TO INDIVIDUAL FIXTURES AND EQUIPMENT. PROVIDE BALL VALVES ON ALL WATER MAIN BRANCHES IN CORRIDORS AND WHERE INDICATED ON DRAWINGS. ALL VALVES SHALL BE ACCESSIBLE.
- COORDINATE ROOF PENETRATIONS WITH WORK OF OTHER SECTIONS AND WITH FLASHING REQUIREMENTS.
- RUN PIPING CONCEALED, UNLESS SPECIFIED OTHERWISE, AND CLEAR OF CEILING INSERTS.
- STRUCTURAL WELDING SHALL BE 1/4-INCH FILLET UNLESS REQUIRED OTHERWISE.
- PROVIDE CLAMPS, OFFSETS, EXPANSION JOINTS, ANCHORS AND GUIDES AS NECESSARY TO PREVENT STRESS ON PIPING.
- PROVIDE GAUGE FITTINGS AND THERMOMETER WELLS AT HOT WATER SUPPLY CONNECTIONS TO DOMESTIC HOT WATER HEATERS.
- VERIFY EXACT SIZES, LOCATIONS, INVERTS AND ELEVATIONS PRIOR TO RUNNING ANY PIPING. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF ALL FIXTURES AND EQUIPMENT.
- ALL GAS PIPING TO COMPLY WITH LOCAL AND STATE CODES.
- GAS PIPING AND SAFETY DEVICES SHALL CONFORM TO THE REQUIREMENTS OF NFPA 54 AND SHALL BE SUBJECT TO THE INSPECTION AND APPROVAL OF THE STATE REGULATORY BOARD.
- GAS PIPING SHALL BE TESTED ACCORDING TO THE STATE FUEL GAS CODE AND NATIONAL CODE PROVISIONS OF THE LOCAL PLUMBING INSPECTOR. IF INSPECTION OF THE TEST SHOWS DEFECTS, SUCH DETECTIVE WORK AND MATERIAL SHALL BE REPLACED AND INSPECTION AND TEST SHALL BE REDONE.
- PIPING SHALL NOT RUN OVER ELECTRICAL PANELS AND SHALL BE COORDINATED WITH WORK OF OTHER TRADES.



ISSUED FOR PERMIT	DATE:	
	SUBMITAL / REVISION	
	No.	

Plumbing Plans	Queensbury, NY
Interior Fit-Up For	
Sweet Frog-Queensbury	
765 Upper Glen Street	

DRAWN BY:	FUSION SYSTEMS
DATE:	11/8/2013
SCALE:	AS NOTED
JOB NO:	A131016.00
SHEET:	P100

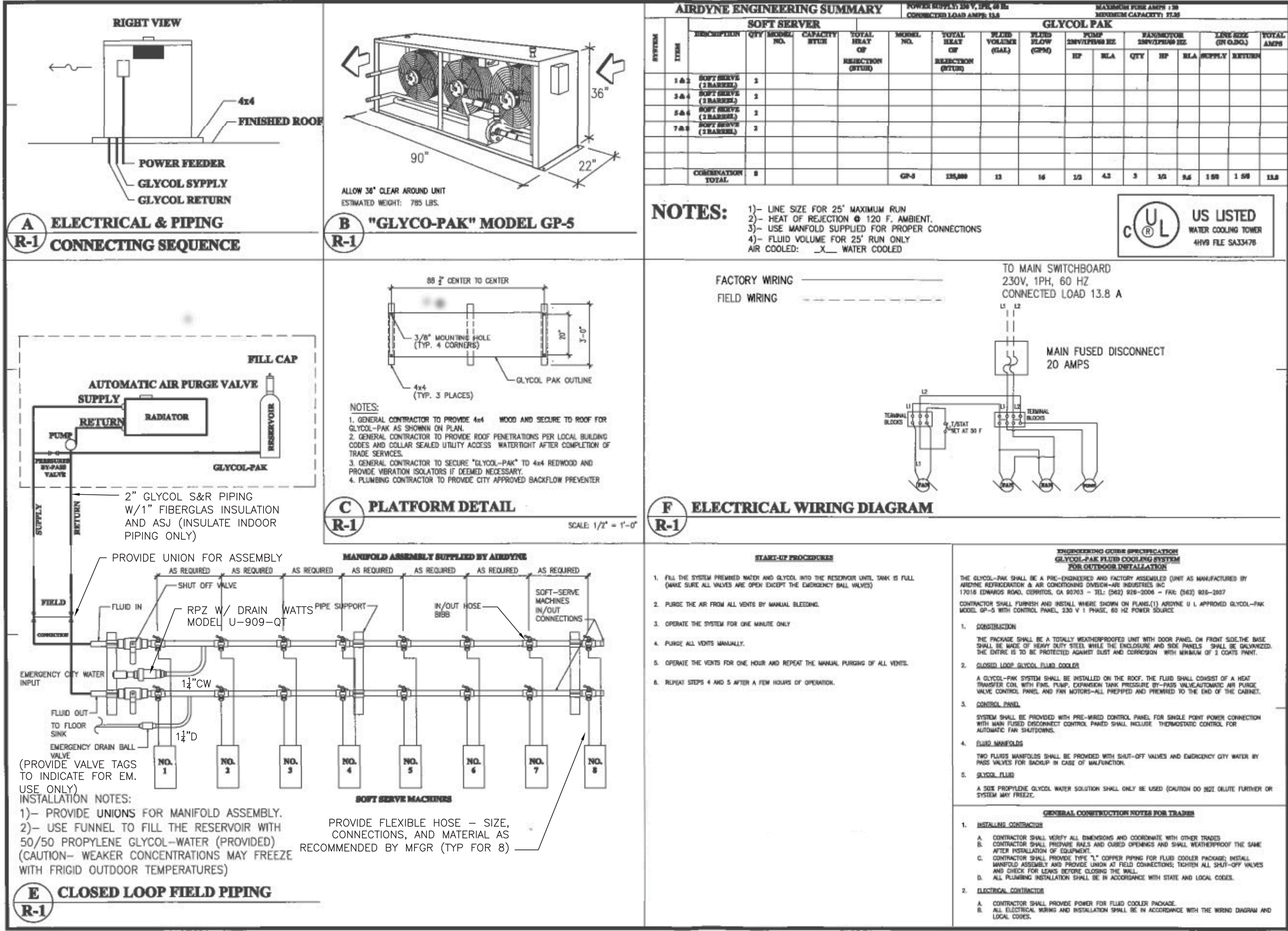


1 Plumbing Piping Plan
P101 SCALE: 3/16" = 1'-0"

FIXTURE AND EQUIPMENT CONNECTION SCHEDULE							REMARKS
ITEM NO.	DESCRIPTION	COLD WATER	HOT WATER	WASTE	INDIRECT WASTE	VENT	
WC-A	WATER CLOSET	1"	--	3"	--	2"	FLOOR MOUNT SENSOR FLUSHOMETER (COORDINATE WITH OWNER FOR SELECTION)
LAV-A	LAVATORY	1/2"	1/2"	1-1/2"	--	1-1/4"	WALL MOUNT ADA COMPLIANT LAVATORY W/ FAUCET (COORDINATE WITH OWNER FOR SELECTION)
FS-A	FLOOR SINK	--	--	4"	--	3"	12x12 FLOOR SINK W/8" SUMP DEPTH
FS-B	FLOOR SINK	--	--	2"	(FROM DROP-IN TRAYS)	1-1/2"	12x12 FLOOR SINK W/6" SUMP DEPTH
MR-A	MOP RECEPTOR	3/4"	3/4"	3"	--	2"	MOLDED BASIN W/ SERVICE SINK FAUCET (COORDINATE WITH OWNER FOR SELECTION)
SK-A	HAND SINK	1/2"	1/2"	1-1/2"	--	1-1/4"	SS SINK W/10x14x5 BOWL W/ FAUCET (COORDINATE WITH OWNER FOR SELECTION) AND THERMOSTATIC MIXING VALVE
SK-B	UTILITY SINK	1/2"	1/2"	1-1/2"	--	1-1/4"	SS SINK (1) 18x18 BOWL W/ FAUCET (COORDINATE WITH OWNER FOR SELECTION) AND THERMOSTATIC MIXING VALVE
SK-C	TRIPLE POT SINK	1/2"	1/2"	(3) 1-1/2"	--	(3) 1-1/4"	SS SINK (3) 18x18 BOWL W/ FAUCET (COORDINATE WITH OWNER FOR SELECTION) AND THERMOSTATIC MIXING VALVE
SK-D	HAND SINK	1/2"	1/2"	1-1/2"	--	1-1/4"	DROP-IN SS SINK W/ FAUCET (COORDINATE WITH OWNER FOR SELECTION) AND THERMOSTATIC MIXING VALVE

WATER HEATER SCHEDULE								
NO.	SERVICE	TYPE	KW INPUT	GALLONS/ HOUR RECOVERY	TEMP RISE DEG F	VOLUME (GAL)	ELECTRIC	DESIGN MAKE
WH-A	TOILET LAVS	ELECTRIC	1.5	8	80	19	480V	BRADFORD WHITE
WH-B	SERVICE AREA	ELECTRIC	6.0	25	100	50	480V	BRADFORD WHITE

- CONSTRUCTION NOTES:
- WH-A TO BE INSTALLED ABOVE SUSPENDED CEILING. PROVIDE FUNNEL DRAIN FOR T&P RELIEF VALVE AND ROUTE TO WASTE.
 - LOCATE PLUMBING VENTS ABOVE ROOF LINE MIN 10'-0" AWAY FROM RTU FRESH AIR INTAKE.
 - GLYCOL-PAK MANIFOLD, COORDINATE WITH OWNER FOR LOCATION PRIOR TO INSTALLATION. PROVIDE 3/4" CW SUPPLY W/ RPZ TO GLYCOL PAK MANIFOLD, AND 3/4" DRAIN FROM MANIFOLD TO FS-A. SEE DETAIL THIS SHEET.
 - RPZ FOR GLYCOL EMERGENCY CW FILL. PROVIDE 1-1/2" FUNNEL DRAIN FOR RPZ, AND ROUTE TO FS-A.
 - ROUTE WH-B T&P RELIEF VALVE DISCHARGE TO FS-B. FURNISH AND INSTALL 2 GAL EXPANSION TANK SUITABLE FOR POTABLE WATER.
 - COORDINATE WATER MAIN SHUTDOWN WITH OWNER PRIOR TO INSTALLATION OF NEW WATER METER.
 - FURNISH AND INSTALL TRAP PRIMERS AS REQUIRED BY LOCAL AHJ.



2 Glycol-Pak System Piping Details
P101 SCALE: NTS



ISSUED FOR PERMIT

DATE:	
SUBMITTAL / REVISION	
No.	