DIG.

70 PRINCE STREET
NEW YORK, NY 10012

NOTE:
THE SUBTENANT WHO WAS PREVIOUSLY ISSUED VIOLATION LETTER DOCKET # LPC-20-00435 IN 2019 HAS SINCE VACATED THE PREMISES AND DIG IS THE SOLE TENANT.

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PROPOSED WORK FOR DIG TENANT SPACE:

L000	COVER SHEET
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L005	EXTERIOR ELEVATIONS
L006	EXTERIOR ELEVATIONS
L007	PROPOSED DESIGN
L008	NEIGHBORHOOD PHOTOS
L009	SIGNAGE - PROPOSED DESIGN
L010	SIGNAGE - 'DIG.' SHOP DRAWING
L011	SIGNAGE - '70' SHOP DRAWING
L012	SIGNAGE - FLAG SHOP DRAWING
L013A-E	LIGHT FIXTURE SPECIFICATION

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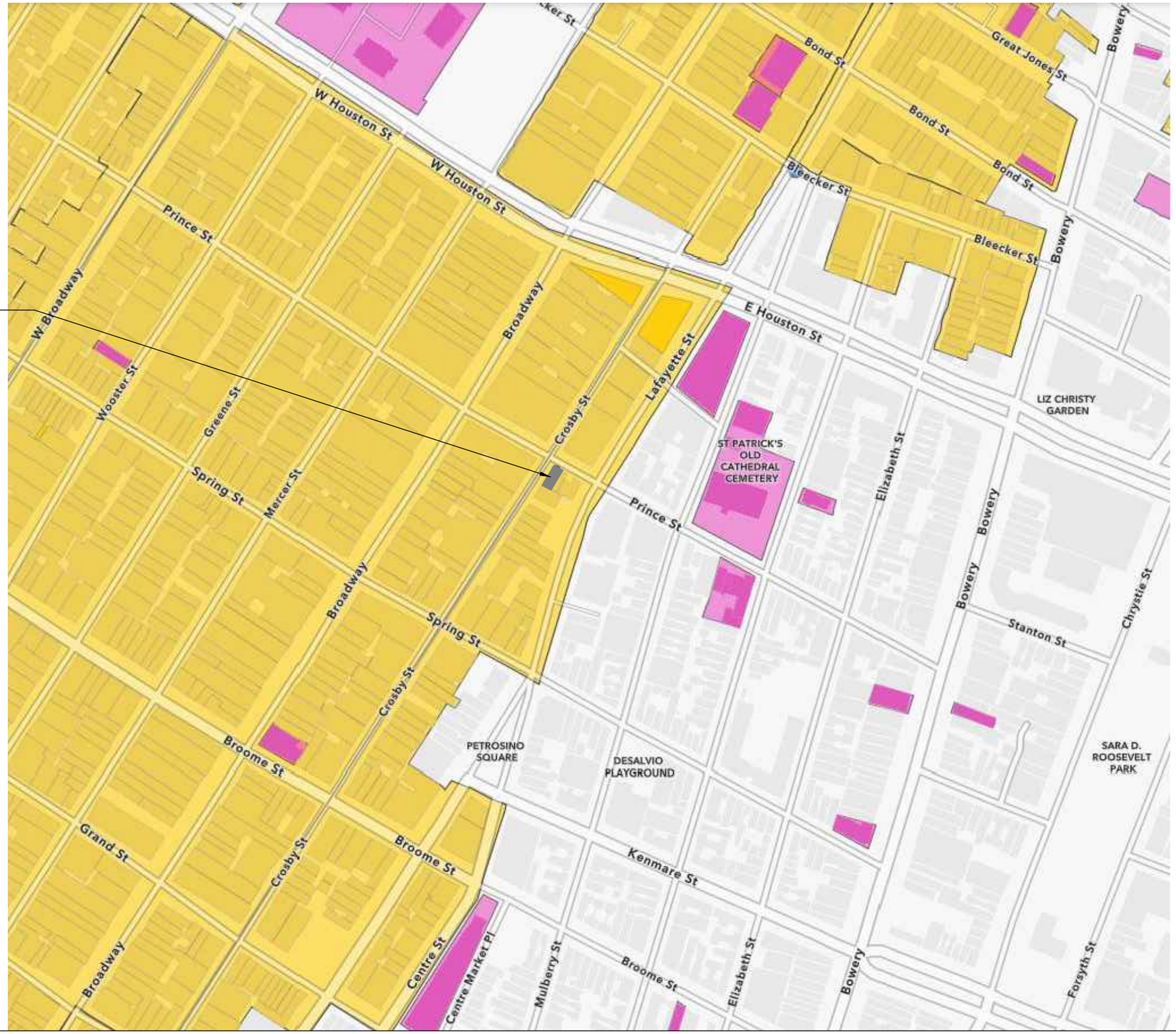
BUILDING IS LOCATED IN A
HISTORIC BUILDING DISTRICT



PRINCE ST
70 PRINCE STREET, NEW YORK, NY 10012

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SITE PLAN
Drawn by: AGB
BKA # 223252
Date: 09/09/2024

L001

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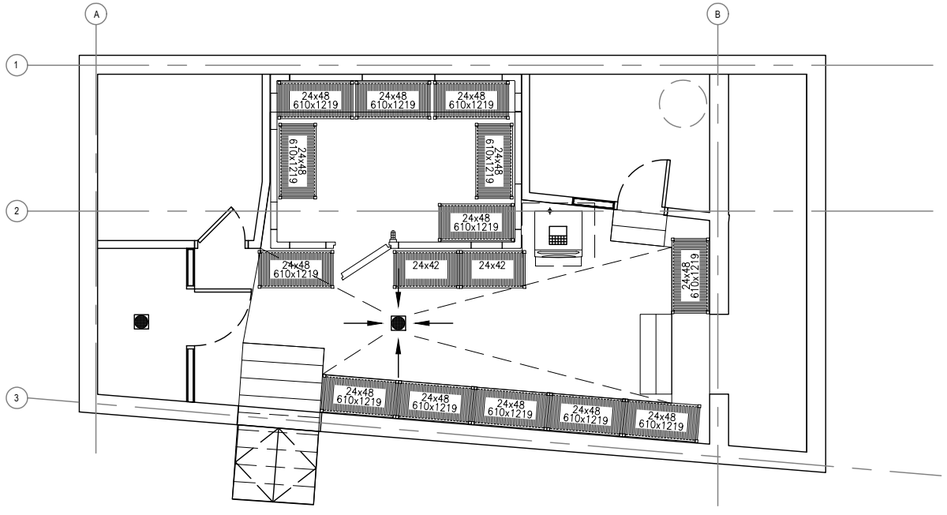
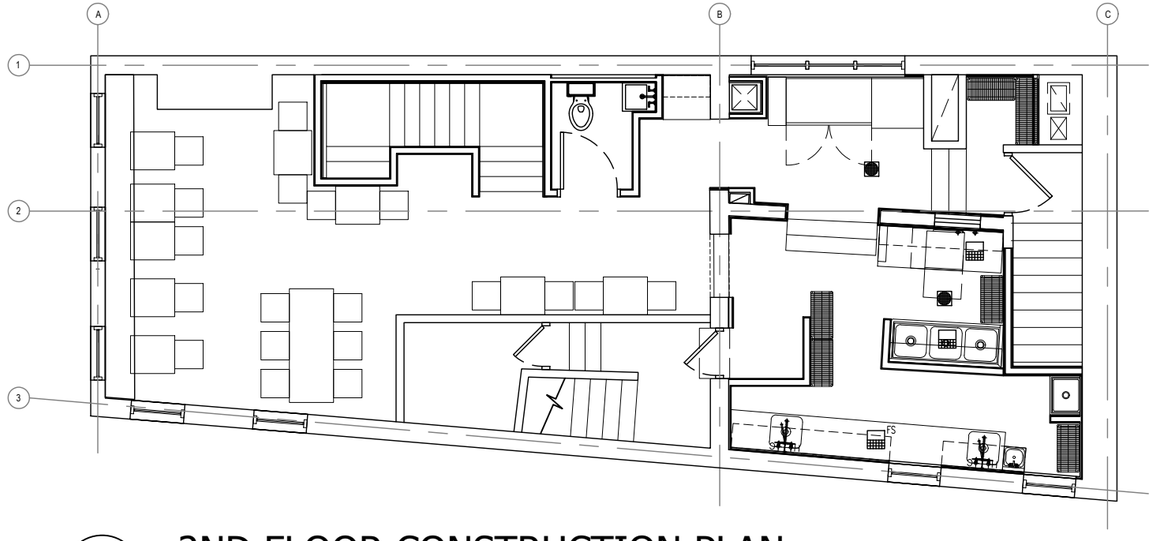


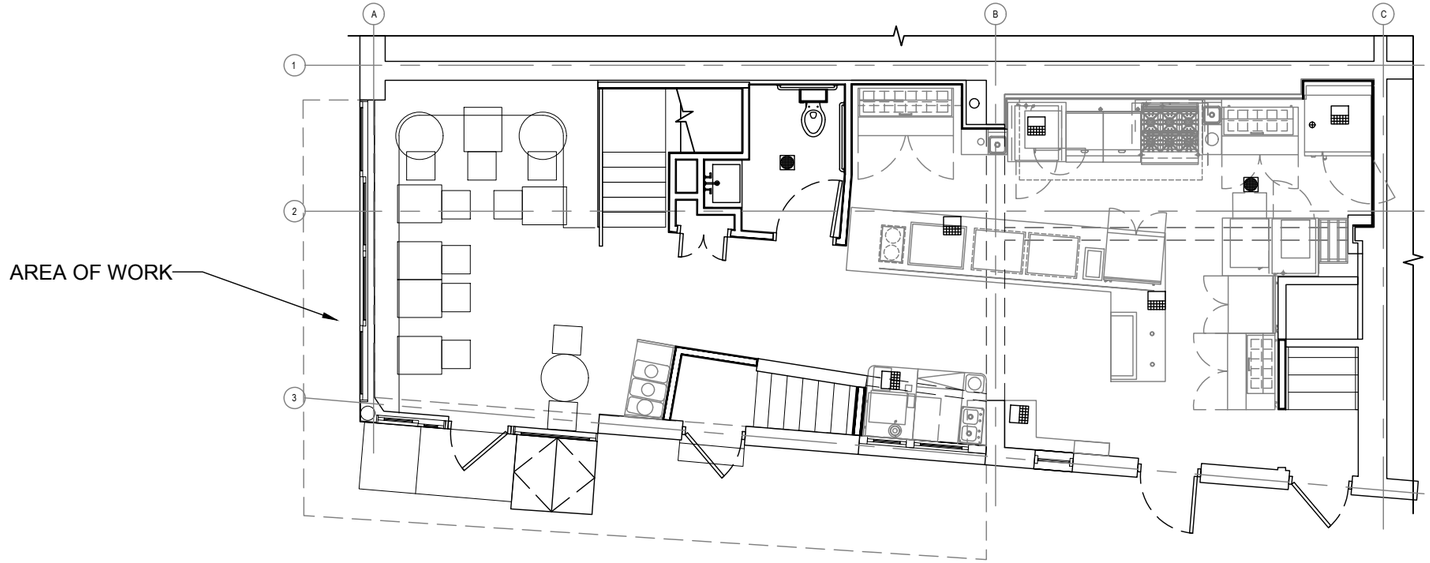
3 CELLAR CONSTRUCTION PLAN

Scale: 1/8" = 1'-0"



2 2ND FLOOR CONSTRUCTION PLAN

Scale: 1/8" = 1'-0"



1 1ST FLOOR CONSTRUCTION PLAN

Scale: 1/8" = 1'-0"

PRINCE ST

70 PRINCE STREET, NEW YORK, NY 10012

DIG

EXISTING FLOOR PLANS

Drawn by: AGB | BKA # 223252 | Date: 09/09/2024

L002

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PREVIOUS CONDITIONS PHOTOS
Drawn by: AGB BKA # 223252 Date: 09/09/2024

L003

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PRINCE ST
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EXISTING CONDITIONS PHOTOS
Drawn by: AGB BKA # 223252 Date: 09/09/2024

L004

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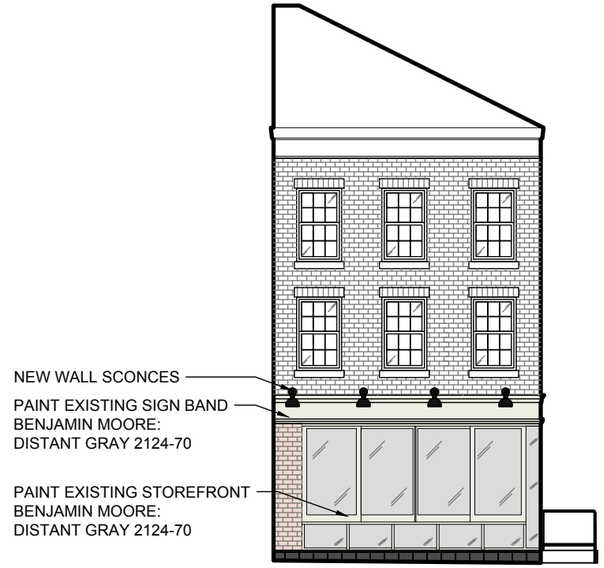
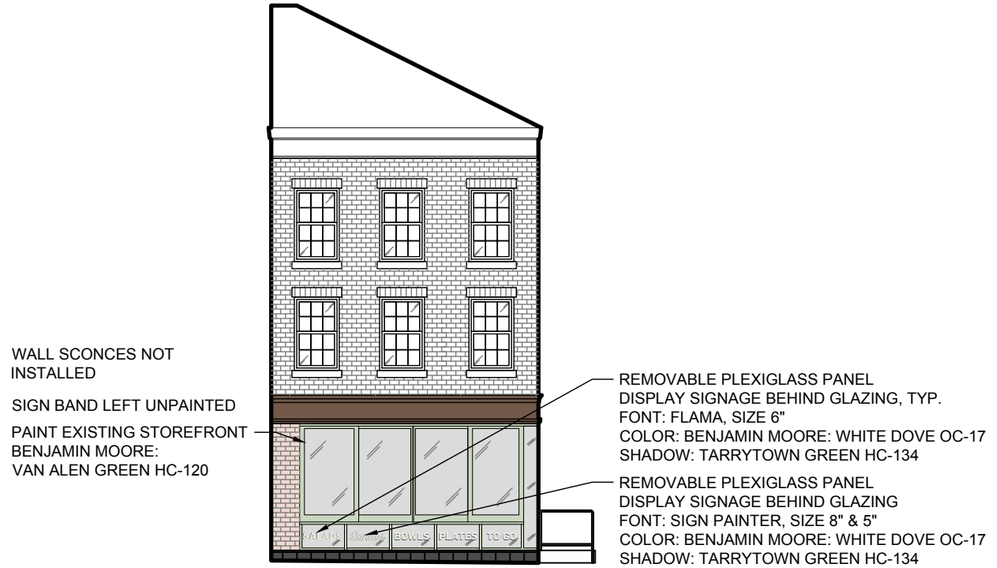
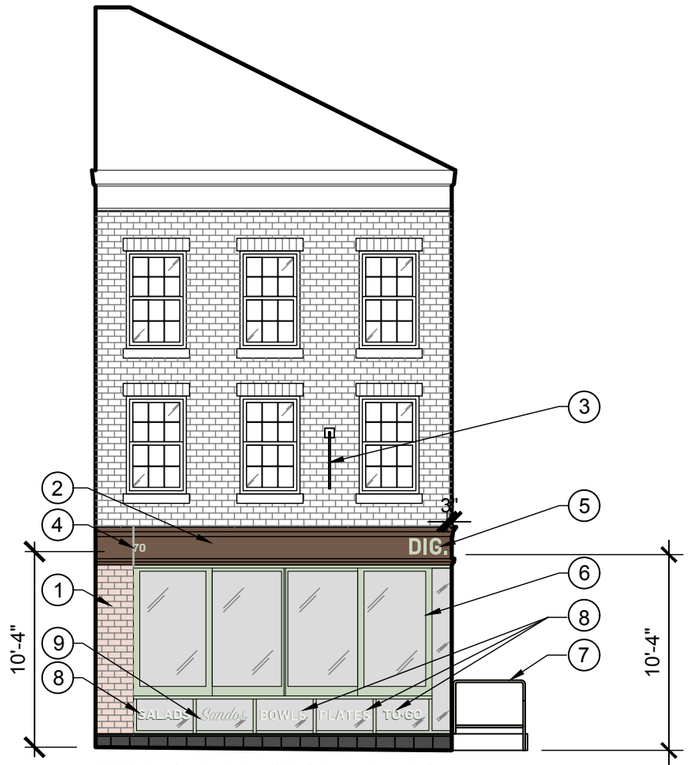


PREVIOUSLY APPROVED PRINCE ST ELEVATION



EXISTING PRINCE ST ELEVATION



PROPOSED PRINCE ST ELEVATION

FACADE KEY NOTES:

1. EXISTING BRICK TO REMAIN
2. EXISTING SIGN BAND TO REMAIN
3. EXTERIOR DOUBLE FACED PRINTED FLAG
4. 6"H PIN-MOUNTED "70" SIGNAGE ALIGN WITH EDGE OF STOREFRONT REINSTALLED
   COLOR: MINT
5. 10.4"H HALO-LIT SIGNAGE COLOR: MINT
6. EXISTING STOREFRONT TO REMAIN, PATCH & PAINT
   COLOR: BENJAMIN MOORE:
   VAN ALEN GREEN HC-120
7. PATCH & PAINT RAMP RAILING
   COLOR: BENJAMIN MOORE:
   VAN ALEN GREEN HC-120
8. REMOVABLE PLEXIGLASS PANELS TO DISPLAY SIGNAGE BEHIND GLAZING
   FONT: FLAMA, SIZE 6"
   COLOR: BENJAMIN MOORE: WHITE DOVE OC-17
   SHADOW: TARRYTOWN GREEN HC-134
9. REMOVABLE PLEXIGLASS PANELS TO DISPLAY SIGNAGE BEHIND GLAZING
   FONT: SIGN PAINTER, SIZE 8" & 5"
   COLOR: BENJAMIN MOORE: WHITE DOVE OC-17
   SHADOW: TARRYTOWN GREEN HC-134

PAINT COLORS

BENJAMIN MOORE
TARRYTOWN GREEN
HC-134

BENJAMIN MOORE
VAN ALEN GREEN
HC-120

BENJAMIN MOORE
WHITE DOVE
OC-17

PRINCE ST

70 PRINCE STREET, NEW YORK, NY 10012

DIG

EXTERIOR ELEVATIONS

Drawn by: AGB | BKA # 223252 | Date: 09/09/2024

L005

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PREVIOUSLY APPROVED CROSBY ST ELEVATION

EXISTING CROSBY ST ELEVATION

PROPOSED CROSBY ST ELEVATION

FACADE KEY NOTES:

1. EXISTING BRICK TO REMAIN
2. EXISTING SIGN BAND TO REMAIN
3. EXTERIOR DOUBLE FACED PRINTED FLAG
4. 6"H PIN-MOUNTED "70" SIGNAGE ALIGN WITH EDGE OF STOREFRONT REINSTALLED COLOR: MINT
5. 10.4"H HALO-LIT SIGNAGE COLOR: MINT
6. EXISTING STOREFRONT TO REMAIN, PATCH & PAINT COLOR: BENJAMIN MOORE: VAN ALEN GREEN HC-120
7. PATCH & PAINT RAMP RAILING
   COLOR: BENJAMIN MOORE: VAN ALEN GREEN HC-120
8. REMOVABLE PLEXIGLASS PANELS TO DISPLAY SIGNAGE BEHIND GLAZING
   FONT: FLAMA, SIZE 6"
   COLOR: BENJAMIN MOORE: WHITE DOVE OC-17
   SHADOW: TARRYTOWN GREEN HC-134
9. REMOVABLE PLEXIGLASS PANELS TO DISPLAY SIGNAGE BEHIND GLAZING
   FONT: SIGN PAINTER, SIZE 8" & 5"
   COLOR: BENJAMIN MOORE: WHITE DOVE OC-17
   SHADOW: TARRYTOWN GREEN HC-134
10. PATCH & PAINT RAMP PAINT CHECKER BOARD PATTERN 5"Hx4.5"W
    COLOR: BENJAMIN MOORE:
    VAN ALEN GREEN HC-120,
    WHITE DOVE OC-17
11. PATCH & PAINT HEADER CHECKER BOARD PATTERN 6.5"Hx5.5"W
    COLOR: BENJAMIN MOORE:
    VAN ALEN GREEN HC-120,
    WHITE DOVE OC-17
12. LIGHT FIXTURE, RBW : PASTILLE 1 DISC

PAINT COLORS

BENJAMIN MOORE
TARRYTOWN GREEN
HC-134

BENJAMIN MOORE
VAN ALEN GREEN
HC-120

BENJAMIN MOORE
WHITE DOVE
OC-17

PRINCE ST

70 PRINCE STREET, NEW YORK, NY 10012

DIG

EXTERIOR ELEVATIONS

Drawn by: AGB | BKA # 223252 | Date: 09/09/2024

L006

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FLAG POLE & DOUBLE FACED
PRINTED FLAG

6"H PIN-MOUNTED "70" SIGNAGE
REINSTALLED. COLOR: MINT

PATCH & PAINT
LOCATION: STOREFRONT
COLOR : BENJAMIN MOORE
VAN ALEN GREEN HC-120

REMOVABLE PLEXIGLASS PANELS TO
DISPLAY SIGNAGE BEHIND GLAZING
FONT: FLAMA, SIZE 6"
COLOR: BENJAMIN MOORE: WHITE
DOVE OC-17 SHADOW: TARRYTOWN
GREEN HC-134

REMOVABLE PLEXIGLASS PANELS TO
DISPLAY SIGNAGE BEHIND GLAZING
FONT: SIGN PAINTER, SIZE 8" & 5"
COLOR: BENJAMIN MOORE: WHITE
DOVE OC-17 SHADOW: TARRYTOWN
GREEN HC-134

10.4"H HALO-LIT SIGNAGE
COLOR: MINT

LIGHT FIXTURE, RBW : PASTILLE 1
DISC

PATCH & PAINT HEADER
CHECKER BOARD PATTERN 6.5"Hx5.5"W
COLOR: BENJAMIN MOORE:
VAN ALEN GREEN HC-120,
WHITE DOVE OC-17

PATCH & PAINT: RAMP RAILING
COLOR: BENJAMIN MOORE
VAN ALEN GREEN HC-120

PAINT CHECKER BOARD PATTERN 5"Hx4.5"W
COLOR: BENJAMIN MOORE:
VAN ALEN GREEN HC-120,
WHITE DOVE OC-17

236 LAFAYETTE ST, NEW YORK, NY 10012

54 PRINCE ST, NEW YORK, NY 10012

PRINCE ST

70 PRINCE STREET, NEW YORK, NY 10012

DIG

NEIGHBORHOOD PHOTOS

Drawn by: AGB | BKA # 223252 | Date: 09/09/2024

L007

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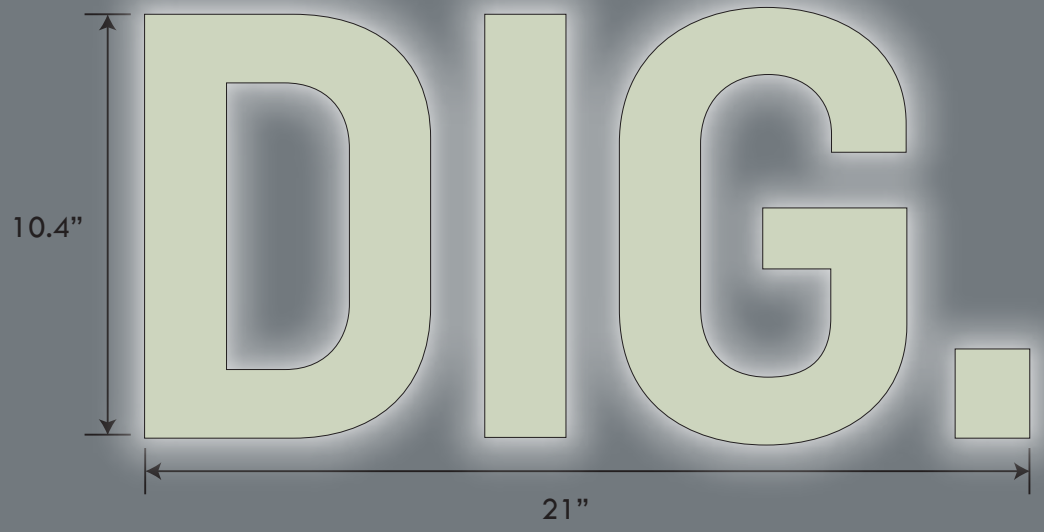
Exact locations of details illustrated in this drawing may vary from final fabrication and installation. These details can include neon unit sections, electrode placement, wires, support posts, etc.

LET THERE BE NEON
38 WHITE STREET • NYC 10013
212-226-4883
WWW.LETTHEREBENEON.COM

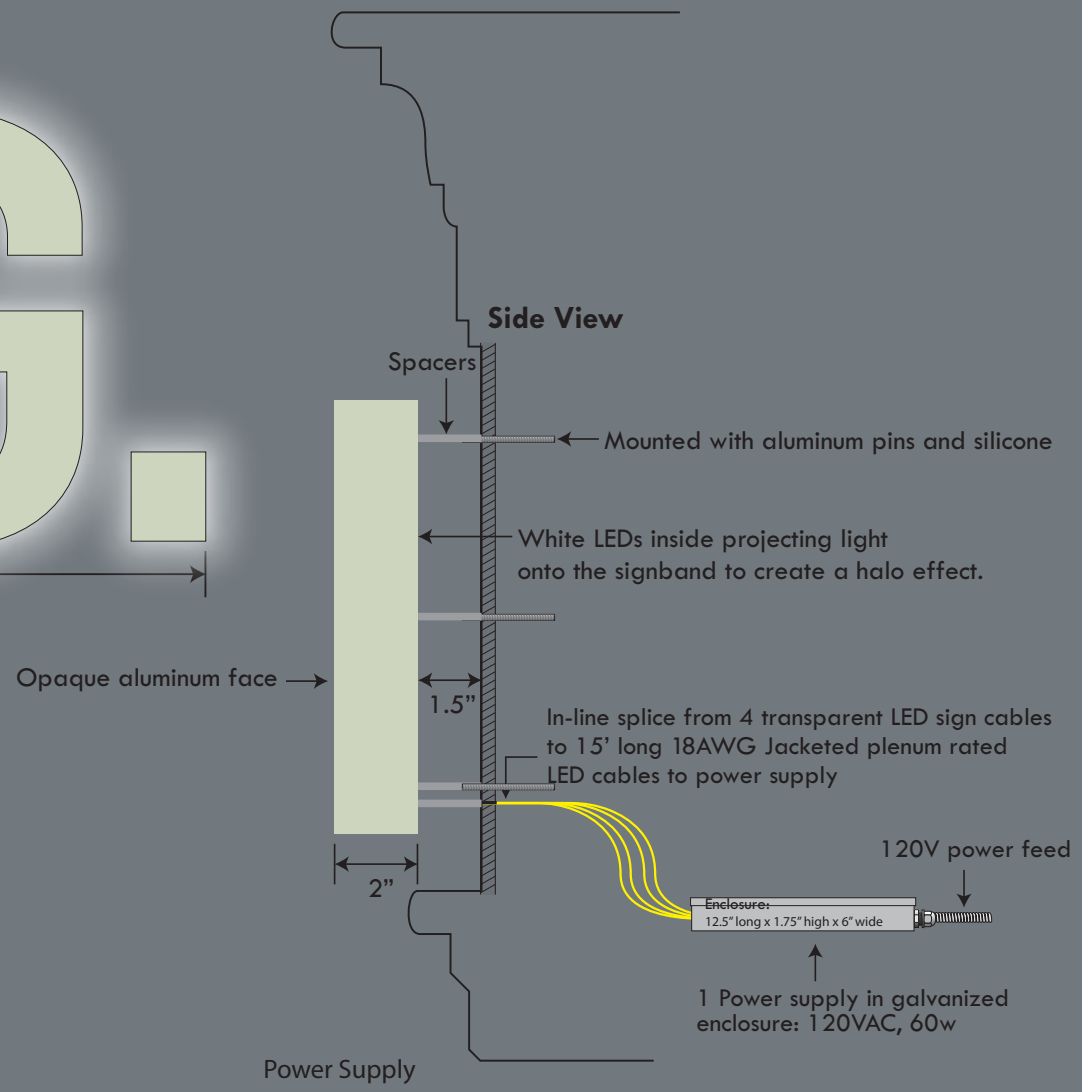
CLIENT	DATE	BY	REP
DIG.	12/7/2023	Hannah	Jeff
PROJECT		SCALE	PAGE#
70 Prince St		NTS	1 of 5

Exterior Halo Lit Pin-Mounted Reverse Channel Letters

Quantity 2



Van Alen Green



x_____ _____

APPROVED DATE

Exact locations of details illustrated in this drawing may vary from final fabrication and installation. These details can include neon unit sections, electrode placement, wires, support posts, etc.

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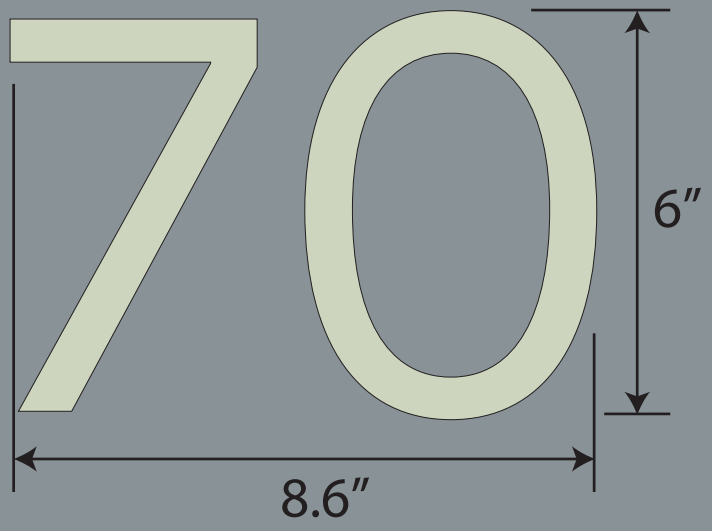
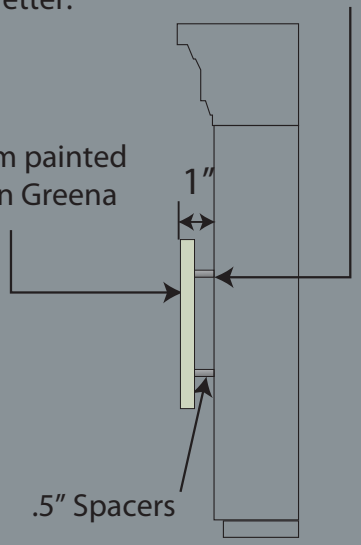
CLIENT	DATE	BY	REP
DIG.	11/15/2023 Gary 12/6/2023	Hannah	Jeff
PROJECT		SCALE	PAGE#
70 Prince St		NTS	2 of 5

1 set 1/2" flat cut stud mounted aluminum letters



10/24 aluminum studs pentrating
building 3" and set with silicone adhesive.
3 or more per letter.

.5" thick flat cut aluminum painted
Benjamin Moore Van Alen Greena



Van Alen
Green

x_____ _____
APPROVED DATE

Exact locations of details illustrated in this drawing may vary from final fabrication and installation. These details can include neon unit sections, electrode placement, wires, support posts, etc.

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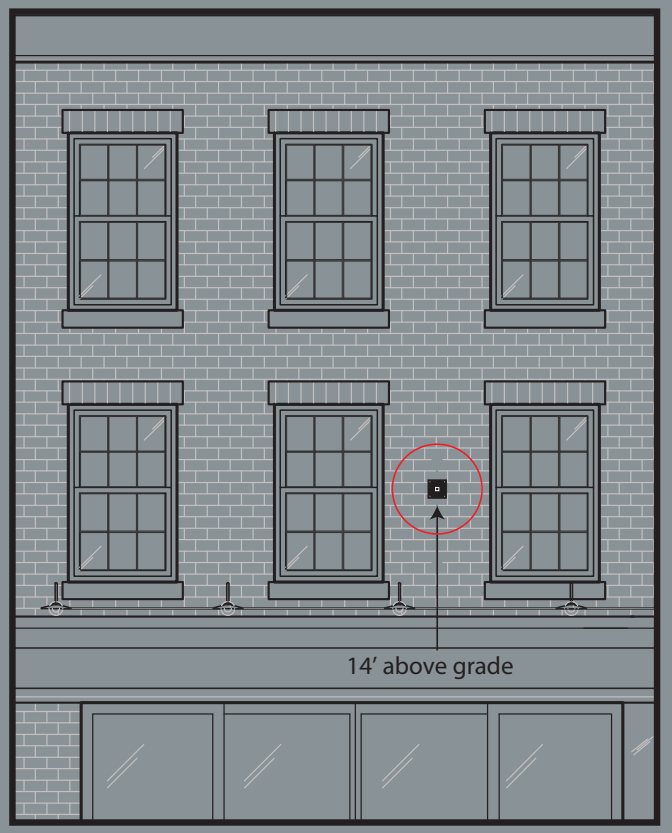
CLIENT	DATE	BY	REP
DIG.	12/6/2023	Gary	Jeff
PROJECT		SCALE	PAGE#
70 Prince St		NTS	3 of 5

Exterior Double Faced Printed Flag
Matte exterior vinyl



x_____ _____
APPROVED DATE

Exact locations of details illustrated in this drawing may vary from final fabrication and installation. These details can include neon unit sections, electrode placement, wires, support posts, etc.

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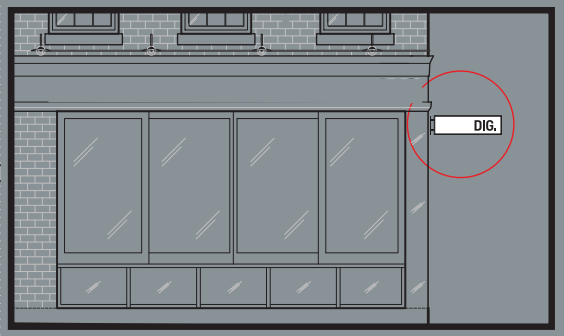
CLIENT	DATE	BY	REP
DIG.	12/6/2023 Hannah 12/7/2023	Gary	Jeff
PROJECT		SCALE	PAGE#
70 Prince St		NTS	4 of 5

Crosby St. Double Faced Non-illuminated Blade Sign

Aluminum with white faces, black frame and base
and black letters of high performance vinyl film

Crosby St. View

Prince St. View



x_____ _____
APPROVED DATE

Exact locations of details illustrated in this drawing may vary from final fabrication and installation. These details can include neon unit sections, electrode placement, wires, support posts, etc.

LET THERE BE NEON
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CLIENT	DATE	BY	REP
DIG.	12/6/2023	Gary	Jeff
PROJECT		SCALE	PAGE#
70 Prince St		NTS	5 of 5

Pastille 1 Disc

Sconces

50 Greene St
New York NY 10013
T +1 212 388 1621
sales@rbw.com

For 2D & 3D drawings of all products, including CAD, Revit and IES files, please visit rbw.com

Generate Date: Wed Nov 15 2023

DESCRIPTION

Pastille's design echoes the Art Deco sensibilities of Old Hollywood. The collection offers mix-and-match options for custom installation, including either a droplet profile or faceted pattern for the glass globe, with various finishes for an accent ring or backplate.

MATERIALS

Opal glass, aluminum or steel

COLLECTION NOTES

Custom hand painting and braille solutions are available for the Pastille collection. Inquire with sales@rbw.com.

PERFORMANCE

430 lm
Power Consumption 7.5W
Luminaire Watts 7.5W
57.5 lm/W
90 CRI

LED LIFESPAN

50k hours

PATENT FILE NUMBER

Patent Number D935,085,187451, 006433652-0001, GB90064336520002

CERTIFICATION

ADA Compliant

UL Listed

Suitable for Wet Locations

Suitable for Damp Locations

IP20

IP65

NOTE ON IMAGERY

All product photos are made using the correlated color temperature (CCT) of 2700k. The actual color temperature experienced within your environment may vary based on other light sources and materials present.

PRODUCT DIMENSIONS

7 dia x 4 in Depth

PRODUCT WEIGHT

1 lbs / 0.5 kg

DIMENSIONAL WEIGHT

7 lbs

YOUR PRODUCT CODE

PAS-1D-D-PC20-27-LV-IP20

Specification Logic

DIFFUSER STYLE (GLOBE)

Droplet	D
Faceted	F
Ribbed	R

BACKPLATE FINISH

Matte White	PC20
Matte Black	PC30
Silk Grey	PC25
Breccia	PC31
Vermilion	PC42
Polished Chrome	PF13
Satin Brass	PF17
Custom Powder Coated	PCXX

COLOR TEMPERATURE

2700K (warm white)	27
3000K (soft white)	30
3500K (neutral white)	35

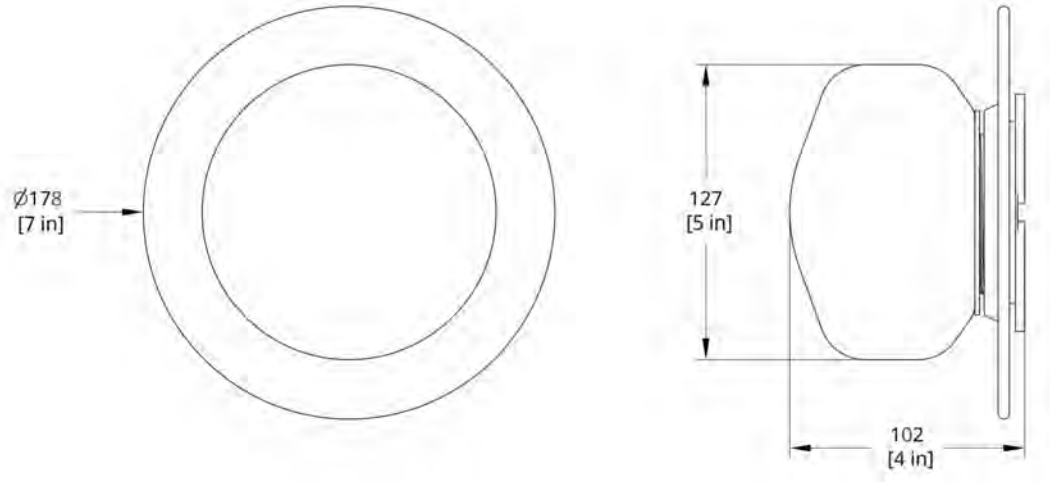
DIMMING / CONTROL / INPUT

Low Voltage (Driver required, driver not included)	LV
10% Dimming, TRIAC / Forward Phase Control, 120V Input	10_TRIAC_120V
1% Dimming, TRIAC / Forward Phase Control, 120V Input (Driver External)	1_TRIAC_120V
1% Dimming, 0-10V Control, 120V or 277V "Universal Input" (Driver External)	1_10V_UNV
0.1% Dimming, 0-10V Control, 120V or 277V "Universal Input" (Driver External)	0.1_10V_UNV

IP RATING

IP 20	IP20
IP 65	IP65

Drawings



PAS-1D Pastille Disc Sconce Dimension

BUILDING DEPARTMENT NOTES:

2014 – NYC BUILDING CODE
ALL WORK SHALL COMPLY WITH THE APPLICABLE SECTIONS OF THE BUILDING CODE, CITY OF NEW YORK, EFFECTIVE JANUARY 1, 2015 AND ALL AMENDMENTS AND RULES AND REGULATIONS OF THE DEPARTMENT OF BUILDINGS TO DATE. INSPECTIONS AND SIGN-OFF OF COMPLETED WORK SHALL BE MADE AS PER ARTICLE 28-116 OF THE GENERAL ADMINISTRATIVE PROVISIONS.

1. THE FOLLOWING SPECIAL INSPECTIONS ARE REQUIRED BY THE NYC BUILDING CODE FOR HVAC SYSTEMS:

   C. MECHANICAL SYSTEMS-BC 1704.16
   K. ENERGY CODE COMPLIANCE– BC 109.3.5
   L. FINAL-28-116.2.4.2 AND BC 109.5 AND DIRECTIVE 12 OF 1975

2. THE FOLLOWING PERIODIC SPECIAL INSPECTIONS ARE REQUIRED BY THE NYC BUILDING CODE FOR HVAC SYSTEMS:

   A. FIRE DAMPERS – BC 109.3.4
   B. ENERGY CODE COMPLIANCE– BC 109.3.5 II
      1.MECHANICAL AND SERVICE WATER HEATING INSPECTIONS
         a. SHUTOFF DAMPERS-IIB2
         b. HVAC AND SERVICE WATER HEATING EQUIPMENT-IIB3
         c. HVAC AND SERVICE WATER HEATING SYSTEM CONTROLS-IIB4
         d. HVAC INSULATION AND SEALING-IIB5
         e. MAINTENANCE INFORMATION-IID1

3. TESTS OF MECHANICAL SYSTEMS SHALL BE PERFORMED IN ACCORDANCE WITH SECTION MC 107 AND THE FOLLOWING SECTIONS OF THE NEW YORK CITY MECHANICAL CODE:

   B. VENTILATION SYSTEM BALANCING 403.3.4
   C. VENTILATION SYSTEM SERVING COMMERCIAL COOKING APPLIANCES – MC 507.16

4. THE OWNER SHALL ENGAGE THE SERVICES OF A PROFESSIONAL ENGINEER TO PROVIDE THE REQUIRED SPECIAL INSPECTIONS AND TESTS

   A. UPON COMPLETION OF THE VENTILATION SYSTEM:

      1) A TEST SHALL BE CONDUCTED IN THE PRESENCE OF AND UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER QUALIFIED TO CONDUCT SUCH TESTS. THE TESTS SHALL SHOW COMPLIANCE WITH THE CODE REQUIREMENTS FOR VENTILATION AND THE PROPER FUNCTIONING OF ALL SMOKE DETECTION, FIRE PROTECTION AND OPERATING DEVICES BEFORE THE SYSTEM IS APPROVED.
      2) THE LICENSED PROFESSIONAL ENGINEER WHO CONDUCTS THE TESTS SHALL FILE A CERTIFICATE AS TO WHETHER THE SYSTEM COMPLIES WITH THE APPLICABLE LAWS. THEY SHALL ALSO FILE WITH THIS CERTIFICATION A REPORT OF THE TEST. THE TEST AND REPORT SHALL BE MADE IN A MANNER SATISFACTORY TO THE OWNER.

5. THE FOLLOWING WORK ITEMS, COMPONENTS, MATERIALS, CAPACITIES, ETC. SHALL COMPLY WITH THE REFERENCED CODE OR STANDARD:

   A. STANDARDS OF HEATING – MC 309.1
   B. NOISE CONTROL –MC 926
   C. DUCT CONSTRUCTION, SUPPORT – MC 603
   D. AIR INTAKES, EXHAUSTS AND RELIES – MC 401.5
   E. AIR FILTERS-MC 605
   F. FIRE DAMPERS AND SMOKE DAMPERS AND SMOKE DETECTORS –MC 607
   G. MANUAL AND AUTOMATIC. FIRE AND SMOKE CONTROLS FOR AIR DISTRIBUTION SYSTEMS – MC 513
   I. PIPING AND INSULATION –MC 1201
   J. GAS FIRED EQUIPMENT – FUEL GAS CODE

6. MINIMUM TEMPERATURE TO BE MAINTAINED IN OCCUPIED SPACES DURING HEATING SEASON: 68 DEG F

7. VENTILATION FOR ALL AREAS SHALL COMPLY WITH MC 401.

8. A STATEMENT SHALL BE FILED BY THE OWNER OR TENANT IN POSSESSION THAT THE VENTILATING SYSTEM WILL BE KEPT IN CONTINUOUS OPERATION AT ALL TIMES DURING THE NORMAL OCCUPANCY OF THE STRUCTURE AS REQUIRED BY CODE MC 403.3

9. ALL FIRE DAMPERS SHALL BE ACCEPTED FOR USE BY THE NEW YORK CITY DEPARTMENT OF BUILDINGS SHALL BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH UL 555, STANDARD FOR FIRE DAMPERS AND CEILING DAMPERS.

10. COMBINATION FIRE/SMOKE DAMPERS AND SMOKE DAMPERS SHALL BE ACCEPTED FOR USE BY THE NEW YORK CITY DEPARTMENT OF BUILDINGS SHALL BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH UL 555S.

11. SMOKE DETECTORS, COMBINATION FIRE/SMOKE DAMPERS AND SMOKE DAMPERS SHALL BE INSTALLED AS REQUIRED TO CLOSE DAMPERS AND AUTOMATICALLY STOP THE FAN – MC 606

12. REFER TO ARCHITECTURAL DRAWINGS FOR REQUIRED FIRE RATED WALL AND SMOKE WALL CONSTRUCTION AND LOCATION.

13. THESE PLANS ARE APPROVED ONLY FOR THE WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

14. TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE (NYCECC) AS REQUIRED BY CHAPTER 1, SECTION 101.4."

15. TESTS OF SOUND POWER LEVEL OF MECHANICAL EQUIPMENT SHALL BE CONDUCTED AND RESULTS SUBMITTED WHERE WINDOWS OF A DWELLING UNIT ARE WITHIN 100 FEET OF EQUIPMENT. THE SOUND PRESSURE LEVEL SHALL NOT EXCEED THE LEVELS GIVEN IN MC 928.

16. PLANS, SPECIFICATIONS, AND SCHEDULES INDICATE INFORMATION AND MECHANICAL EQUIPMENT SIZING DETERMINED TO MEET DESIGN LOADS IN ACCORDANCE WITH THE PROCEDURES DESCRIBED IN ANSI/ASHRAE/ACCA STANDARD 183. THE DESIGN LOADS SHALL ACCOUNT FOR THE BUILDING ENVELOPE, LIGHTING, VENTILATION AND OCCUPANCY LOADS BASED ON THE PROJECT DESIGN

17. THIS PROJECT IS EXEMPT FROM SYSTEM COMMISSIONING AS PER THE REQUIREMENTS OF SECTION ECC C408 OF THE 2014 NYCECC. TOTAL CAPACITY OF ALL MECHANICAL SYSTEMS IS BELOW 480,000 BUT/H COOLING AND 600,000 BTU/H HEATING.

MECHANICAL LEGEND

SYMBOL	DEFINITION
⊠	SUPPLY DIFFUSER
◪	RETURN GRILLE OR REGISTER
	EXISTING WORK
	NEW WORK
	EXISTING TO BE REMOVED
	CONNECT NEW WORK TO EXISTING WORK
	ACOUSTICALLY LINED DUCTWORK
	VOLUME DAMPER
	DOOR LOUVER
	BRANCH DUCT WITH VOLUME DAMPER
	FLEXIBLE CONNECTOR
	UNDERCUT DOOR
TR	TOP REGISTER
CR	CEILING REGISTER
Ⓢ	SWITCH
Ⓣ	THERMOSTAT
(SD)	SMOKE DETECTOR
FSD	COMBINATION FIRE/SMOKE DAMPER
FD	FIRE DAMPER
AD	ACCESS DOOR
TO	TRANSFER OPENING
TR	TOP REGISTER
TD	TRANSFER DUCT
COD	CABLE OPERABLE DAMPER
CUH	CABINET UNIT HEATER
MD	MOTORIZED DAMPER
GF	GAS FURNACE
OAI	OUTSIDE AIR INTAKE
C.D	CONDENSATE DRAIN LINE
S.L	SUCTION REFRIGERANT LINE
L.L	LIQUID REFRIGERANT LINE

ABBREVIATIONS

F.D. & A.D.	FIRE DAMPER & ACCESS DOOR
S.D.	SMOKE DAMPER
A.D.	ACCESS DOOR
CFM	CUBIC FEET OF AIR PER MINUTE
B.T.U.	BRITISH THERMAL UNIT
O.E.D.	OPEN END DUCT
A.C.	AIR CONDITIONING UNIT
W.M.S.	WIRE MESH SCREEN
N.I.C.	NOT IN THIS CONTRACT
N.T.S.	NOT TO SCALE
M.B.H.	THOUSAND BTU'S PER HOUR
EF	EXHAUST FAN
TE	TOILET EXHAUST FAN
O.A.I.	OUTSIDE AIR INTAKE
G.P.M.	GALLONS PER MINUTE
CG	CEILING GRILLES
EA.	EACH
VD	VOLUME DAMPER
"C"	CONSTRUCTION CONTRACTOR
"E"	ELECTRICAL CONTRACTOR
"H"	HVAC CONTRACTOR
"P"	PLUMBING CONTRACTOR

NEW YORK CITY BUILDING DEPARTMENT APPROVAL NOTE:

THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATON SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

THIS OWNER SHALL SEEK THE SERVICES OF A PROFESSIONAL ENGINEER TO PERFORM AND CERTIFY ALL SPECIAL INSPECTIONS IN ACCORDANCE WITH THE 2014 NEW YORK CITY BUILDING CODE.

THIS OWNER SHALL SEEK THE SERVICES OF A PROFESSIONAL ENGINEER TO FILE AND OBTAIN ALL EQUIPMENT USE PERMITS FOR ANY AND ALL EQUIPMENT SPECIFIED ON THESE PLANS REQUIRING SUCH.

TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE (NYCECC) AS REQUIRED BY CHAPTER 1, SECTION 101.4."

MECHANICAL NOTES:

1. THE CONTRACTOR WILL BE HELD RESPONSIBLE TO HAVE VISITED AND EXAMINED THE PREMISES, PRIOR TO SUBMITTING HIS PROPOSAL, IN ORDER TO UNDERSTAND THE EXISTING CONDITIONS RELATED TO HIS WORK.

2. ALL VOLUME DAMPERS LOCATED ABOVE IN INACCESSIBLE CEILING SHALL BE CABLE OPERABLE FROM FACE OF AIR OUTLET.

3. DUCTWORK SHALL BE INSTALLED IN NEAT AND PROFESSIONAL MANNER AND CLEANED, ALL LABELS AND MARKINGS SHALL BE REMOVED FROM DUCTWORK.

4. ALL SHOP DRAWINGS AND ANY ADDITIONAL COORDINATION DRAWINGS AND SKETCHES OF ALL MECHANICAL ARE TO BE SUBMITTED FOR REVIEW AND APPROVAL.

5. THE INSTALLATION OF ALL TENANT IMPROVEMENTS SHALL PERMIT ADEQUATE ACCESSIBILITY TO ALL NEW AND EXISTING EQUIPMENT FOR PROPER MAINTENANCE.

6. ARCHITECT SHALL VERIFY ALL LOCATION OF RETURN AIR GRILLES, SUPPLY REGISTERS, SUPPLY DIFFUSERS AND THERMOSTATS.

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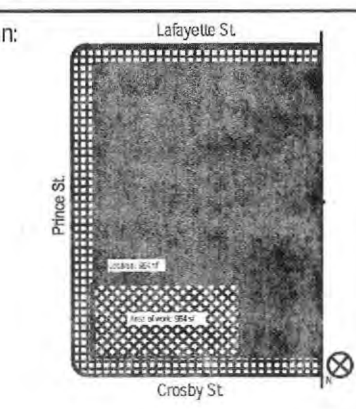
key plan:



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MECHANICAL NOTES AND LEGEND

drawing no.

M-201.00

SPLIT SYSTEM AIR COOLED AIR CONDITIONING UNIT (BASED ON: DAIKIN)

EVAPORATOR DATA

UNIT	SERVICE	TYPE	NOMINAL CAPACITY (TONS)	TOTAL CLG CAPACITY (BTUH)	TOTAL HTG CAPACITY (BTUH)	SUPPLY AIR (CFM)	OUTSIDE AIR (CFM)	ENTERING AIR DB (°F)	ENTERING AIR WB (°F)	ELECTRIC DATA VOLTS/PHASE/HERTZ	ELECTRIC DATA MCA	MODEL	WEIGHT (LBS)
AC-C	CELLAR	WALL MOUNTED	2.0	24,000	27,000	800	–	80	67	208/1/60	0.60	FXAQ24PVJU	31
AC-1-1	1ST FLOOR	WALL MOUNTED	1.5	18,000	20,000	600	–	80	67	208/1/60	0.50	FXAQ18PVJU	31
AC-1-2	1ST FLOOR	WALL MOUNTED	1.5	18,000	20,000	600	–	80	67	208/1/60	0.50	FXAQ18PVJU	31
AC-1-3	1ST FLOOR	CEILING SUSPENDED	1.0	12,000	13,500	400	270	80	67	208/1/60	0.38	FXMQ12PBVJU	62
AC-1-4	1ST FLOOR B.O.H.	WALL MOUNTED	1.5	18,000	20,000	600	–	80	67	208/1/60	0.50	FXAQ18PVJU	31
AC-1-5	1ST FLOOR B.O.H.	WALL MOUNTED	1.5	18,000	20,000	600	–	80	67	208/1/60	0.50	FXAQ18PVJU	31
AC-1-6	1ST FLOOR	WALL MOUNTED	1.0	12,000	13,500	400	–	80	67	208/1/60	0.40	FXAQ12PVJU	25
AC-2-1	2ND FLOOR	WALL MOUNTED	2.0	24,000	27,000	800	–	80	67	208/1/60	0.60	FXAQ24PVJU	31
AC-2-2	2ND FLOOR	WALL MOUNTED	1.0	12,000	13,500	400	–	80	67	208/1/60	0.40	FXAQ12PVJU	25
AC-2-3	2ND FLOOR	CEILING SUSPENDED	1.0	12,000	13,500	400	335	80	67	208/1/60	0.38	FXMQ12PBVJU	62
AC-2-4	2ND FLOOR B.O.H.	WALL MOUNTED	1.0	12,000	13,500	400	–	80	67	208/1/60	0.40	FXAQ12PVJU	25
AC-2-5	2ND FLOOR B.O.H.	WALL MOUNTED	1.0	12,000	13,500	400	–	80	67	208/1/60	0.40	FXAQ12PVJU	25

CONDENSER DATA (serves all units above)

UNIT NO.	CAPACITY (TONS)	LOCATION	ENTERING AIR TEMP. (°F)	TOTAL CLG CAPACITY (BTUH)	TOTAL HTG CAPACITY (BTUH)	CONDENSER ELECTRIC DATA VOLTS/HERTZ/PHASE	CONDENSER ELECTRIC DATA MCA	CONDENSER ELECTRIC DATA # OF COMP.	WEIGHT (LBS)	DIMENSIONS (HxWxD)	MODEL	IEER/COP (SEER/HSPF)	REMARKS
ACCU-1	14.0	3RD FLOOR ROOF SETBACK	95	156,000	176,000	208/3/60	61.9	2	780	67x49x30	REYQ168TTJU	20.75/3.55	HEAT RECOVERY UNIT

FURNISH AND INSTALL:
- –REMOTE MOUNTED TEMPERATURE SENSORS WHERE INDICATED
- –INDIVIDUAL 7DAY PROGRAMMABLE TYPE THERMOSTAT FOR EACH UNIT CONTROL
- –INTEGRAL/EXTERNAL CONDENSATE PUMP
- –STARTUP AND COMMISSIONING
- –INTERCONNECTING CONTROL WIRING FROM OUTDOOR TO INDOOR UNITS
- –MANUFACTURER'S EXPRESS REPORT PRIOR TO PURCHASE OR INSTALLMENT
- –PROVIDE WITH FAN COIL ADAPTER CARD TO ENABLE/DISBLE RESPECTIVE RADIATOR ZONE HEATING
- –MERV 13 FILTER ON DUCTED UNITS
- –(3) DX LINES FROM OUTDOOR UNIT
- –HEAT RECOVERY BRANCH SELECTOR VALVE BOX PER UNIT

EXHAUST FAN SCHEDULE

UNIT NO.	ROOMS SERVED	CFM	S.P. (IN. WG.)	ELEC. DATA HP/W	ELEC. DATA V/PH/Hz	DIMENSIONS LxWxH (IN)	OPERATING WEIGHT	MANUFACTURER	MODEL	REMARKS
TEF-1	TOILET EXHAUST FAN	200	0.25	1/40 HP	115/1/60	22ø x16	17 LBS	GREENHECK	G-085-E	ROOF MOUNTED
OAF-C	OUTSIDE AIR FAN	50	0.10	1/140 HP	208/3/60	16x12x12	26 LBS	GREENHECK	SQ-60-E	INLINE

NOTES:
1. EXHAUST FAN SHALL BE PROVIDED WITH A VARIABLE SPEED SWITCH. ALL DEVICES TO BE WIRED BY ELECTRICAL CONTRACTOR.
2. ALL EXHAUST FANS SHALL BE PROVIDED WITH BACKDRAFT DAMPERS.
3. TEF-1 SHALL BE PROVIDED WITH SPEED CONTROLLER AND TIME CLOCK SWITCH.
4. OAF-1 SHALL BE PROVIDED WITH SPEED CONTROLLER, TIME CLOCK SWITCH AND CO2 SENSOR FOR NORMAL OPERATION.

DIFFUSER, GRILLE & REGISTER SCHEDULE

APPLICATION	MFR	MODEL	NECK SIZE	CFM	REMARKS
SUPPLY	TITUS	OMNI	8"ø	0-175	12x12 FACE
SUPPLY	TITUS	OMNI	8"ø	0-200	24x24 FACE
SUPPLY	TITUS	OMNI	10"ø	201-300	24x24 FACE
SUPPLY	TITUS	OMNI	12"ø	301-401	24x24 FACE
SUPPLY	TITUS	OMNI	14"ø	401-500	24x24 FACE
SUPPLY	TITUS	OMNI	15"ø	501-700	24x24 FACE
RETURN/EXH.	TITUS	355RL	6x6	0-100	SEE NOTE No.2
RETURN/EXH.	TITUS	355RL	12x12	0-360	
RETURN/EXH.	TITUS	355RL	12x24	361-720	
RETURN/EXH.	TITUS	355RL	24x24	721-1400	
SUPPLY	TITUS	300RL	6x6	0-100	
SUPPLY	TITUS	300RL	10x6	101-200	
SUPPLY	TITUS	300RL	14x6	201-300	
SUPPLY	TITUS	300RL	24x6	301-450	
SUPPLY	TITUS	300RL	18x12	451-675	
SUPPLY	TITUS	300RL	24x12	676-900	
SUPPLY	TITUS	300RL	36x12	901-1100	
SUPPLY	TITUS	300RL	42x12	1101-1300	
SUPPLY	TITUS	300RL	48x12	1301-1500	

NOTES:
1. FURNISH AND INSTALL DIFFUSERS WITH EQUALIZING GRIDS AND OPPOSED BLADE DAMPERS.
2. MECHANICAL CONTRACTOR TO COORDINATE BOARDER TYPES WITH CEILING CONSTRUCTION.
3. REFER TO AIR OUTLET NOTES BELOW

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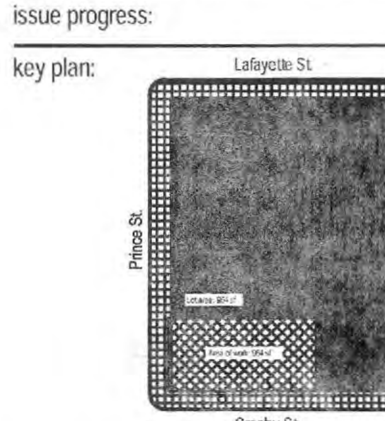

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checked by: TSF

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MECHANICAL SCHEDULES

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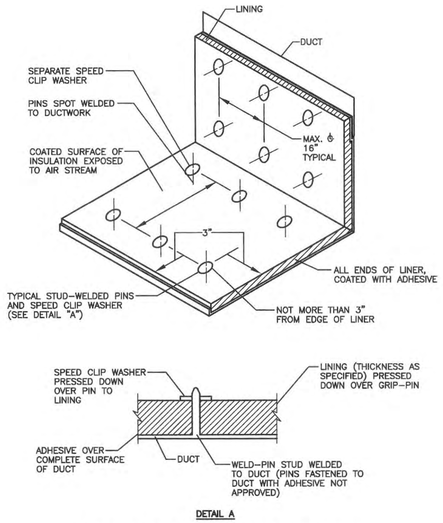
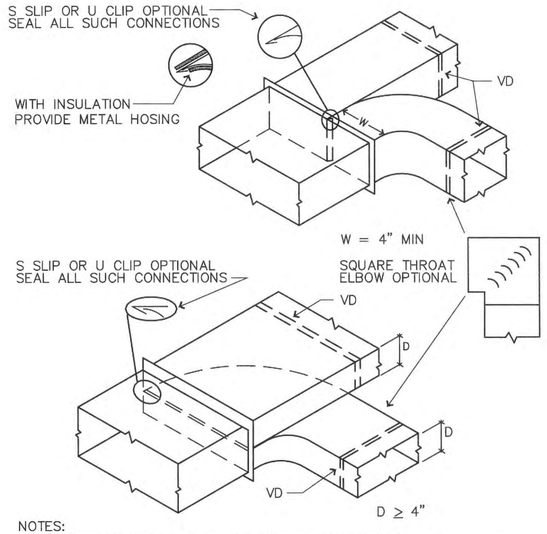


DETAIL A

SOUND LINING INSTALLATION DETAIL

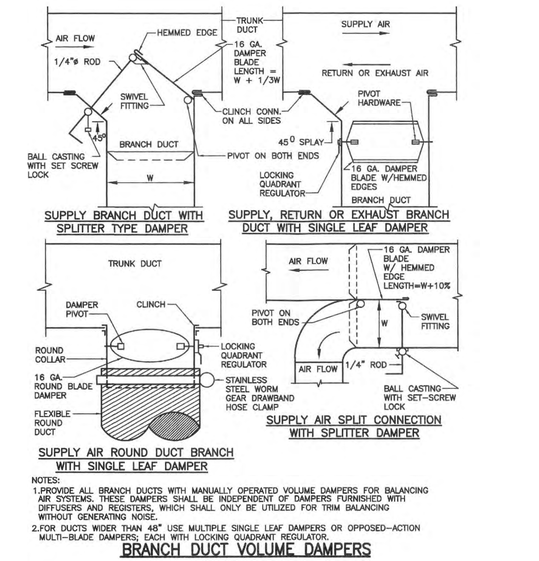
NOT TO SCALE



NOTES:
1 VOLUME CONTROL SHOULD BE BY BRANCH DAMPERS. IF SPLITTER INCLUDED IN DESIGN, SPLITTER LENGTH ≥ 1.5W OR 1.5D

PARALLEL FLOW BRANCHES

(NOT TO SCALE)



SUPPLY BRANCH DUCT WITH SPLITTER TYPE DAMPER

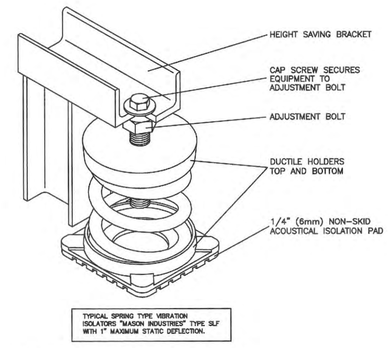
SUPPLY, RETURN OR EXHAUST BRANCH DUCT WITH SINGLE LEAF DAMPER

SUPPLY AIR ROUND DUCT BRANCH WITH SINGLE LEAF DAMPER

SUPPLY AIR SPLIT CONNECTION WITH SPLITTER DAMPER

NOTES:
1.PROVIDE ALL BRANCH DUCTS WITH MANUALLY OPERATED VOLUME DAMPERS FOR BALANCING AIR SYSTEMS. THESE DAMPERS SHALL BE INDEPENDENT OF DAMPERS FURNISHED WITH DIFFUSERS AND REGISTERS, WHICH SHALL ONLY BE UTILIZED FOR TRIM BALANCING WITHOUT GENERATING NOISE.
2.FOR DUCTS WIDER THAN 48" USE MULTIPLE SINGLE LEAF DAMPERS OR OPPOSED-ACTION MULTI-BLADE DAMPERS; EACH WITH LOCKING QUADRANT REGULATOR.

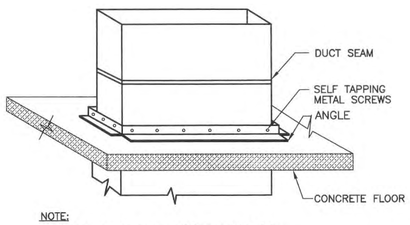
BRANCH DUCT VOLUME DAMPERS



TYPICAL SPRING TYPE VIBRATION ISOLATORS "MASON INDUSTRIES" TYPE SLF WITH 1" MAXIMUM STATIC DEFLECTION.

VIBRATION ISOLATOR DETAIL

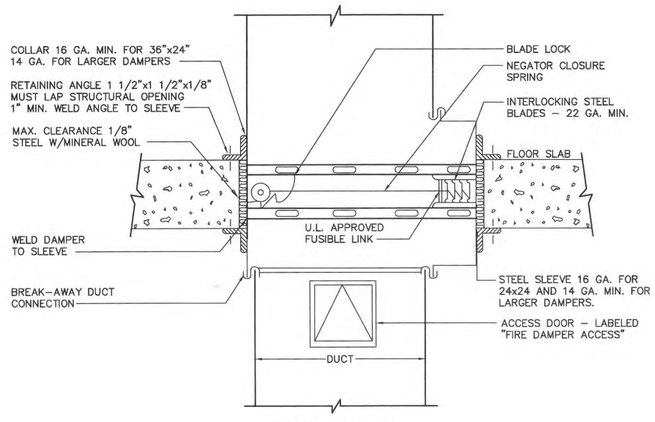
N.T.S.



NOTE:
1. ANGLES SHALL BE 1-1/2"X1-1/2"X1/8" UP TO DUCT SIZE 60"X30" AND
2. PROVIDE FIRE DAMPERS FOR ALL DUCTS PENETRATING RATED FLOOR SLABS.
3. ALL DUCT PENTRATIONS SHALL CONFORM TO ALL STATE, CITY, AND LOCAL HAVING JURISDICTION.

DETAIL OF DUCT FLOOR SLAB PENETRATION

NOT TO SCALE

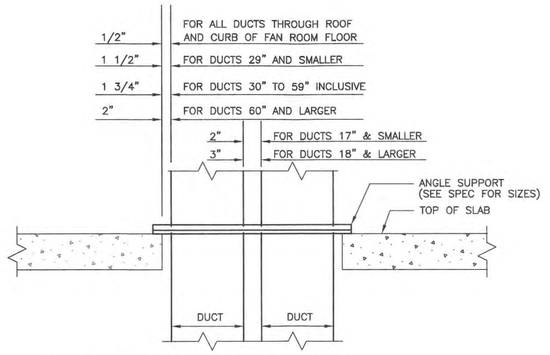


B.S.A. NO: 292-71-SA

NOTE:
1. DETAIL SHALL BE USED FOR REFERNCE ONLY. CONSULT MANUFACTUERER RECOMENDATION AND INSTALLATION INSTRUCTIONS FOR MOUNTING OF FIRE DAMPER.

HORIZONTAL FIRE DAMPER INSTALLATION DETAIL

NOT TO SCALE



NOTE: FOR RECTANGULAR DUCTS LARGER DIMENSION WILL GOVERN CLEARANCES

VERTICAL DUCT PENETRATION CLEARANCES AT FLOOR & ROOF OPENINGS

NOT TO SCALE

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071691
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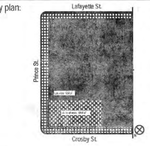

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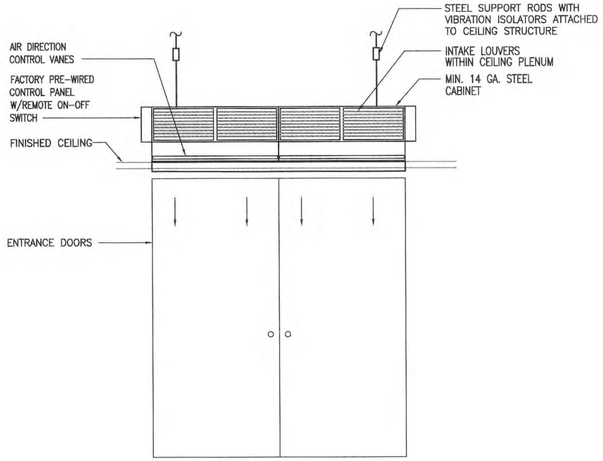
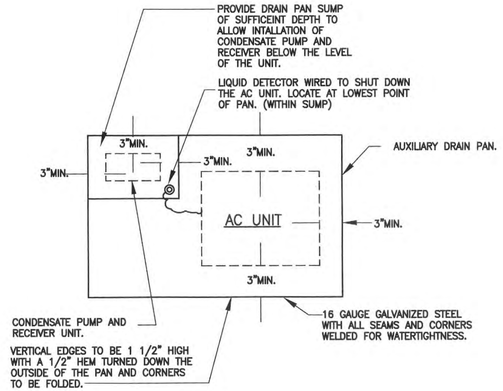


AIR CURTAIN FAN DETAIL

NOT TO SCALE

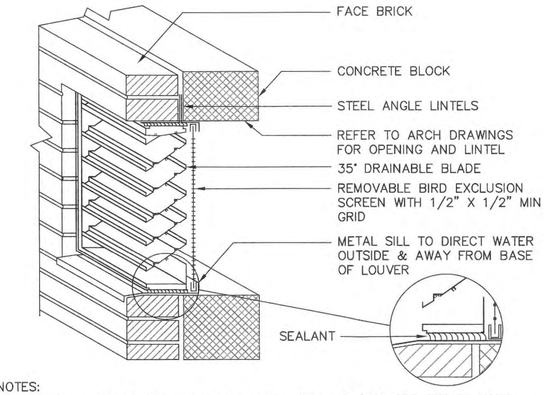


NOTES:

1. THIS DETAIL APPLIES TO AC UNITS WITH SEPARATE CONDENSATE PUMP/RECEIVER UNITS.
2. COORDINATE DIMENSIONS OF DRAIN PAN AND SUMP WITH THE ARRANGEMENT AND INSTALLATION REQUIREMENT OF THE AC UNIT, PUMP AND PIPING.
3. PROVIDE 3/4" PLUGGED DRAIN AT LOW POINT.

DETAIL OF AUXILIARY DRAIN PAN FOR AC UNITS.

NOT TO SCALE



NOTES:

1 OVERALL SIZE OF OPENING SHOULD BE 1/4" AND 1/2" GREATER IN BOTH DIRECTIONS THAN EXTERNAL DIMENSIONS OF LOUVER FOR SIZES ≤ 48" AND > 48", RESPECTIVELY

2 MAX LOUVER WIDTH ≤ 5FT, USE MULLION CONNECTED SECTIONS FOR GREATER WIDTHS

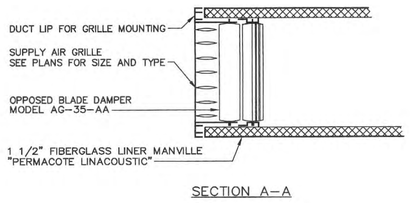
3 CAULK AND SEAL AROUND PERIMETER OF LOUVER SECTION AT WALL

4 PROVIDE ALUMINUM OR GALV EXPANDED BIRD EXCLUSION SCREEN ON INSIDE (OR OUTSIDE) OF LOUVER. (MIN FREE AREA 80% OF GROSS AREA) ATTACH TO OUTSIDE IF BLADE SEPARATION IS > 2 1/2"

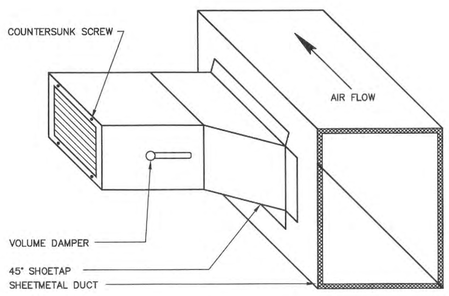
5 CONSTRUCT EXTRUDED LOUVER OF NON-FERROUS CORROSION RESISTANT MATERIAL AND SECURE WITH SS OR ALUMINUM FASTENERS

STATIONARY LOUVER IN MASONRY WALL

NOT TO SCALE



SECTION A-A

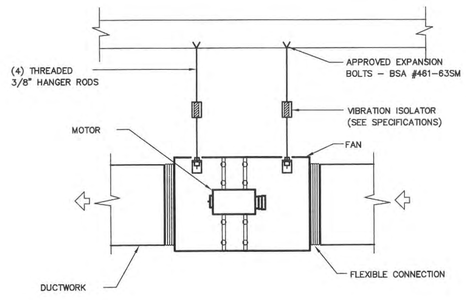


SIDEGRILLE INSTALLATION DETAIL

NOT TO SCALE

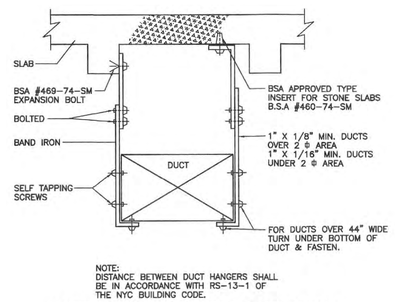
FLEXIBLE CONNECTION

NOT TO SCALE



INLINE FAN HANGING SUPPORT DETAIL

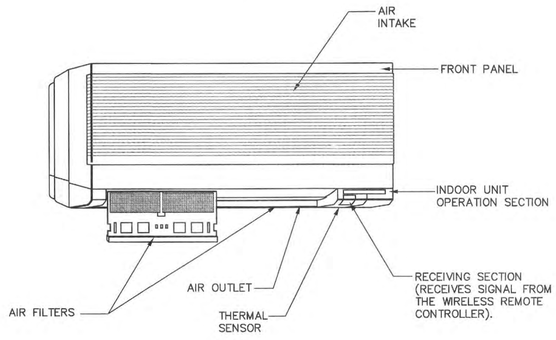
MAXIMUM WGT. = 150 lbs.



NOTE:
DISTANCE BETWEEN DUCT HANGERS SHALL BE IN ACCORDANCE WITH RS-13-1 OF THE NYC BUILDING CODE.

METHOD OF HANGING DUCTWORK

NOT TO SCALE



WALL MOUNTED AHU DETAIL

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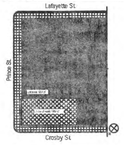

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MECHANICAL DETAILS

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1. GENERAL CONDITIONS

A. THE APPLICABLE PROVISIONS OF THE GENERAL CONSTRUCTION SPECIFICATIONS SHALL APPLY TO THE FOLLOWING SPECIFICATION ARTICLES.

B. CONTRACTOR TO ADHERE TO ALL BUILDING STANDARDS AND BUILDING CONSTRUCTION SPECIFICATIONS AND DETAILS.

2. NOTICE TO BIDDERS

A. THE SPECIFICATIONS AND DRAWINGS ARE INTENDED TO SERVE JOINTLY AS A BASIS UPON WHICH THE CONTRACTOR SHALL SUBMIT A CONTRACT PRICE FOR THE MATERIAL AND LABOR PROVISIONS.

B. WHEN CONFLICTS OCCUR IN THE SPECIFICATIONS OR IN THE DRAWINGS, OR BETWEEN EITHER, THE ITEMS OF GREATER QUANTITY OR HIGHER COST SHALL BE PROVIDED.

C. THE CONTRACTOR SHALL PROVIDE ALL ITEMS OF LABOR OR MATERIALS NOT SPECIFICALLY INDICATED, BUT REQUIRED TO COMPLETE THE INTENDED INSTALLATIONS.

D. THE CONTRACTOR SHALL COORDINATE HIS WORK OR ADJUST SAME TO THAT OF OTHER TRADES, IN ORDER THAT CONFLICTS IN SPACE LOCATIONS DO NOT OCCUR.

E. THE WORK UNDER THIS CONTRACT SHALL BE PERFORMED SIMULTANEOUSLY WITH THE WORK OF OTHER TRADES, SO AS NOT TO DELAY THE OVERALL PROGRESS OF WORK.

F. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR HIS WORK WITH IT'S COMPLETION AND FINAL ACCEPTANCE AND SHALL REPLACE ANY OF THE SAME WHICH MAY BE DAMAGED, LOST OR STOLEN, WITHOUT ADDITIONAL COST TO THE OWNER.

G. ALL DUCTWORK AND PIPING IS SHOWN DIAGRAMMATICAL AND DOES NOT SHOW ALL OFFSETS, DROPS AND RISES OF RUNS. THE CONTRACTOR SHALL ALSO ALLOW IN HIS PRICE FOR REMOVAL AND REROUTING OF NEW AND EXISTING DUCTWORK AND PIPING TO AVOID OBSTRUCTIONS. EXACT LOCATIONS SUBJECT TO APPROVAL OF ARCHITECT. MAINTAIN MAXIMUM PIPE AND DUCT ELEVATIONS.

H. REMOVAL AND RELOCATION OF CERTAIN EXISTING WORK WILL BE NECESSARY FOR THE PERFORMANCE OF THE GENERAL WORK. ALL EXISTING CONDITIONS CANNOT BE COMPLETELY DETAILED ON THE DRAWINGS. THE CONTRACTOR SHALL SURVEY THE SITE AND INCLUDE ALL CHANGES IN MAKING UP THE WORK PROPOSAL.

I. SUBMISSION OF A PROPOSAL SHALL BE CONSTRUED AS EVIDENCE THAT A CAREFUL EXAMINATION OF THE PORTIONS OF THE EXISTING BUILDING EQUIPMENT, ETC., WHICH AFFECT THIS WORK AND THE ACCESS TO SUCH SPACES HAS BEEN MADE AND THAT THE CONTRACTOR IS FAMILIAR WITH EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT THE EXECUTION OF THE WORK. LATER CLAIMS SHALL NOT BE MADE FOR LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN DURING SUCH AN EXAMINATION.

3. OPERATING AND MAINTENANCE INSTRUCTIONS

A. AFTER FINAL TEST AND ADJUSTMENTS FULLY INSTRUCT OWNER'S OPERATING PERSONNEL IN ALL DETAILS OF OPERATION FOR EQUIPMENT INSTALLED. A SIGNED RECEIPT WHICH SHALL BE OBTAINED FROM THE OPERATOR SHALL BE CONSTRUED AS EVIDENCE THAT INSTRUCTIONS WERE SATISFACTORY.

B. FURNISH TWO (2) COPIES OF WRITTEN DESCRIPTIONS OF ALL SYSTEMS COVERING ALL MANUAL OPERATING PROCEDURES, AUTOMATIC CONTROL DESCRIPTIONS AND AUTOMATIC CONTROL TEMPERATURE AND PRESSURE SETTINGS. WRITTEN DESCRIPTIONS SHALL INCLUDE LUBRICATION SCHEDULES, PARTS LIST, PERFORMANCE SERVICE FOR EQUIPMENT, FILTER SIZE/QUANTITY SCHEDULE, ETC. WHEN MANUFACTURERS' STANDARD INSTRUCTIONS ARE UTILIZED, THEY SHALL BE CLEARLY MARKED IN INDICATE APPLICABILITY.

4. SHOP DRAWINGS AND EQUIPMENT SUBMISSIONS

A. PRIOR TO SHIPMENT OF EQUIPMENT OR START OF INSTALLATION OF SYSTEM COMPONENTS, SUBMIT THE FOLLOWING FOR APPROVAL:

1) A MINIMUM OF FOUR (4) SETS OF DETAILED CONSTRUCTION SHOP DRAWINGS FOR DUCTWORK LAYOUT, PIPING LAYOUT, EQUIPMENT AND SYSTEMS. DRAWINGS SHALL INDICATE ALL DIMENSIONS, MATERIALS OF CONSTRUCTION AND METHODS OF ASSEMBLY.

2) EQUIPMENT SUBMITTALS FOR ALL EQUIPMENT, ASSOCIATED DEVICES AND MATERIALS INDICATING CAPACITIES AND PERFORMANCE DATA.

3) SHEET METAL SHOP DRAWINGS SHALL BE AT A MINIMUM OF 3/8" = 1'-0" SCALE. THESE SHOP DRAWINGS SHALL BE USED AS THE COORDINATION DRAWINGS FOR ALL TRADES.

4) IN LETTER FORM, MANUFACTURER'S NAMES FOR ACCESSORIES AND INCIDENTALS NOT COVERED BY SHOP DRAWINGS.

5) ELECTRIC WIRING DIAGRAMS AND AUTOMATIC CONTROL DIAGRAMS AND SEQUENCE OF OPERATION. THE WIRING DIAGRAMS MUST BE COMPLETE AND COORDINATED WITH THE EQUIPMENT ACTUALLY INSTALLED.

5. RECORD DRAWING

A. REPRODUCIBLE RECORD DRAWINGS SHALL BE SUPPLIED UPON WHICH CORRECTIONS SHALL BE MADE TO PROVIDE AN ACCURATE AND COMPLETE RECORD OF THE WORK AS INSTALLED.

6. APPROVALS AND SUBSTITUTIONS

A. IT IS THE INTENT OF THESE SPECIFICATIONS THAT WHEREVER A MANUFACTURER IS SPECIFIED AND SUBSTITUTIONS ARE MADE, THEY SHALL CONFORM IN ALL RESPECTS TO THE SPECIFIED ITEM. CRITERIA AS DELINEATED FOR EQUIPMENT SHALL BE INTERPRETED AS MINIMUM PERFORMANCE REQUIREMENTS.

B. BASE ALL BIDS ON THE EQUIPMENT AND MANUFACTURERS LISTED. IF SUBSTITUTION IS PROPOSED, MAKE APPLICATION TO THE OWNER IN WRITING STATING THE COST DIFFERENTIAL INVOLVED.

7. PERFORMANCE TESTS

A. UPON COMPLETION OF THE INSTALLATION, TEST AND BALANCE ALL EQUIPMENT AND SYSTEMS UNDER FIELD OPERATING CONDITIONS TO DEMONSTRATE IT'S COMPLIANCE WITH SPECIFICATION REQUIREMENTS.

B. SHOULD ANY PART OF THE SYSTEM FAIL TO MEET THE CONTRACT REQUIREMENTS, ADJUST, REPAIR OR REPLACE ALL DEFECTIVE OR INOPERATIVE PARTS AND AGAIN CONDUCT THE COMPLETE PERFORMANCE TEST.

C. SUBMIT TEST RESULTS TO THE OWNER AND ENGINEER.

8. TESTING, ADJUSTMENTS AND BALANCING

A. AIR SYSTEM BALANCING SHALL BE PERFORMED BY AN INDEPENDENT CERTIFIED TESTING AND BALANCING FIRM WITH A MINIMUM OF FIVE YEARS' EXPERIENCE. SUBMIT EVIDENCE OF QUALIFICATIONS.

B. MAKE ALL REQUIRED ADJUSTMENTS OF AIR SYSTEM DEVICES UNTIL ALL SPECIFIED PERFORMANCES ARE MET. PROVIDE VOLUME DAMPERS AS REQUIRED FOR FINAL BALANCING OF AIR SYSTEMS.

C. BALANCE ALL SUPPLY, RETURN FRESH AIR INTAKE AND EXHAUST DUCTWORK TO THE QUANTITIES INDICATED ON THE DRAWINGS WITH FOLLOWING TOLERANCES:

1) FANS – DESIGN VOLUME PLUS 5%.

2) LEAKAGE – 5% MAXIMUM.

3) OUTLETS – DESIGN VOLUME PLUS 5%.

D. WHEN BALANCING AIR CONDITIONING SYSTEMS AND FANS, CONTRACTOR WILL FURNISH AND INSTALL THE REQUIRED PULLEYS, SHEAVES AND BELTS TO OBTAIN THE DESIGN AIR QUANTITIES AND OPERATING STATIC PRESSURE.

9. VERIFYING EXISTING CONDITIONS, REMOVALS AND ALTERATION

A. THE CONTRACTOR SHALL VISIT THE PREMISES TO DETERMINE EXISTING CONDITIONS AND COMPARE SAME WITH DRAWINGS AND SPECIFICATIONS AND SATISFY HIMSELF OF ALL CONDITIONS PRIOR TO THE SUBMISSION OF A BID PROPOSAL. NO ALLOWANCES WILL BE MADE FOR THE FAILURE TO COMPLY WITH THESE REQUIREMENTS AND A BID PROPOSAL SHALL BE CONSTRUED AS EVIDENCE HE HAS DONE SO.

10. CODES, PERMITS AND INSPECTIONS

A. ALL WORK SHALL MEET OR EXCEED LATEST REQUIREMENT OF NATIONAL, STATE, COUNTY, MUNICIPAL AND OTHER AUTHORITIES EXERCISING JURISDICTION OF THE WORK OF THIS PROJECT.

B. ANY PORTION OF THE WORK WHICH IS NOT SUBJECT TO APPROVAL OF AN AUTHORITY HAVING JURISDICTION SHALL BE PROVIDED IN ACCORDANCE WITH NATIONAL FIRE PROTECTION ASSOCIATION REQUIREMENTS.

C. COMPLY WITH APPLICABLE UTILITY COMPANY RULES AND REGULATIONS.

D. COMPLY WITH OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA) REQUIREMENTS.

E. SECURE PERMITS AND INSPECTION CERTIFICATES AND TRANSMIT SAME TO THE OWNER AT THE COMPLETION OF THE WORK.

11. CODE APPROVAL

A. UPON COMPLETION OF THIS VENTILATING SYSTEM, A TEST SHALL BE CONDUCTED IN THE PRESENCE AND UNDER THE DIRECTION OF A LICENSED AND PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT BEFORE THE SYSTEM IS APPROVED.

B. THE LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT WHO CONDUCTS THE TEST SHALL CERTIFY THAT THE SYSTEM COMPLIES WITH APPLICABLE LAWS. HE SHALL ALSO FILE WITH THIS CERTIFICATION A REPORT OF THE TEST. THE TEST AND REPORT SHALL BE MADE IN A MANNER SATISFACTORY TO THE SUPERINTENDENT.

C. A STATEMENT SHALL BE FILED BY THE OWNER THAT THE SYSTEM OF VENTILATION WILL BE KEPT IN CONTINUOUS OPERATION AT ALL TIMES DURING NORMAL OCCUPANCY OF THE STRUCTURE THAT'S PROVIDED IN THE APPLICABLE SECTIONS OF THE CODE.

D. ALL FIRE DAMPERS SHALL BE TYPE APPROVED BY THE BOARD OF STANDARDS AND APPEALS.

E. VENTILATION SYSTEM INSTALLED WILL COMPLY WITH RULES OF THE DEPARTMENT OF THE BUILDING IN EFFECT.

12. GUARANTEE AND SERVICE

A. THE CONTRACTOR SHALL GUARANTEE AND SERVICE THE ENTIRE INSTALLATION FOR A PERIOD OF ONE YEAR FROM THE DATE OF THE FINAL ACCEPTANCE OF THE INSTALLATION.

B. THE CONTRACTOR SHALL, DURING THE PERIOD OF THE GUARANTEE, REPLACE OR REPAIR AT HIS OWN EXPENSE ANY PIECE OF EQUIPMENT AND/OR MATERIAL WHICH IS FOUND TO BE DEFECTIVE. THE REPLACEMENT OR REPAIR SHALL BE PERFORMED THE SAME DAY OF NOTIFICATION IN AN EMERGENCY FASHION WHEN NOTIFIED BY THE OWNER OR AUTHORIZED REPRESENTATIVE. THE CONTRACTOR SHALL ALSO REPAIR ALL DAMAGE TO SURROUNDING WORK CAUSED BY THE FAILURE, REPAIR OR REPLACEMENT OF DEFECTIVE EQUIPMENT.

C. ALL REFRIGERATION COMPRESSORS SHALL HAVE A FACTORY GUARANTEE INCLUDING PARTS AND LABOR FOR FIVE YEARS TOTAL.

D. THE FINAL ACCEPTANCE WILL BE MADE AFTER THE CONTRACTOR HAS ADJUSTED HIS EQUIPMENT, BALANCED THE VARIOUS SYSTEMS, DEMONSTRATED THAT IT FULFILLS THE REQUIREMENT OF THE DRAWINGS AND SPECIFICATIONS, AND HAS FURNISHED ALL THE REQUIRED CERTIFICATES OF INSPECTION AND APPROVALS.

13. WORK INCLUDED UNDER OTHER SECTIONS OF WORK

A. ITEMS OF WORK WHICH SHALL BE INCLUDED UNDER OTHER SECTIONS OF WORK ARE AS FOLLOWS:

1) REPAIR OF FIREPROOFING DAMAGED DURING THE INSTALLATION OF HANGERS FOR DUCTWORK AND PIPING.

2) PROVISION OF ELECTRICAL DISCONNECT SWITCHES OR FUSES.

3) ELECTRICAL WIRING FOR POWER, AUTOMATIC, SAFETY AND INTERLOCKING CONTROLS.

4) PROVISION OF DUCT MOUNTED SMOKE DETECTORS (TO BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR).

5) FINISH PAINTING OF EQUIPMENT (EXCEPT FACTORY SUPPLIED AND SPECIFIED).

6) CONCRETE FOUNDATIONS, BASES OR CURBS.

14. SHEET METAL DUCTWORK

A. ALL DUCTWORK, DAMPERS AND ALL AUXILIARY DEVICES AND WORK NECESSARY TO MAKE THE VARIOUS AIR CONDITIONING AND VENTILATING SYSTEMS COMPLETE AND READY FOR SATISFACTORY OPERATION SHALL BE FURNISHED AND INSTALLED.

B. ALL LOW PRESSURE DUCTS SHALL BE GALVANIZED STEEL (24 GAUGE MINIMUM), EXCEPT WHERE OTHERWISE SPECIFIED, WITH GAUGES, BRACING AND CONSTRUCTION IN ACCORDANCE WITH THE LATEST SMACNA DUCT MANUAL STANDARDS. DRIVE SLIPS AND SNAP LOCK CONNECTIONS ARE NOT PERMITTED. TOTAL AIR VOLUME FOR LOW PRESSURE DUCT SYSTEMS SHALL BE AT LEAST 95% OF FAN SUPPLY WHEN MEASURED BY DUCT TRAVERSES TAKEN WITH A PITOT TUBE AND WATER MANOMETER.

C. ALL LOW PRESSURE SUPPLY, RETURN AND EXHAUST DUCTWORK SHALL BE FABRICATED IN ACCORDANCE WITH SMACNA STANDARDS FOR 2" WG CONSTRUCTION.

D. PROVIDE MANUAL DAMPERS IN EACH SPLIT OR TAP CONNECTION TO TRUNK DUCTS FOR BALANCING PURPOSES, EACH PROVIDED WITH OPERATOR AND LOCKING DEVICE. INSTALL DIVERTING VANES AT BRANCHES CONNECTED INTO THE MAIN WITHOUT A NECK.

E. PROVIDE FUSIBLE LINK FIRE DAMPERS AT LOCATIONS SHOWN ON DRAWINGS AND WHERE NECESSARY TO COMPLY WITH LOCAL OR OTHER AGENCIES OR JURISDICTIONS REQUIRING THEIR INSTALLATIONS AND IN COMPLIANCE WITH THEIR CONSTRUCTION REQUIREMENTS. FUSIBLE LINK FIRE DAMPERS SHALL BE AS MANUFACTURED BY RUSKIN MFG. CO., MODEL NO. 1BD2, TYPE "B" (BSA 292-72-SA) OR APPROVED EQUAL. FUSIBLE LINK DAMPERS SHALL BE UL RATED STEEL CURTAIN TYPE WITH RECESSED FRAMES.

F. PROVIDE HANGERS AND FASTENINGS ADEQUATE TO INSURE PERMANENT STABILITY AND IN COMPLIANCE WITH LOCAL CODE REQUIREMENTS. WHERE REQUIRED, PROVIDE SUPPLEMENTARY STEEL ANGLES OR CHANNELS. DO NOT HANG OR SUPPORT ONE DUCT FROM ANOTHER.

G. ALL 90 DEGREE ELBOWS ARE TO BE FULL RADIUS THROAT AND HEEL. IF SQUARE ELBOW IS USED DUE TO LIMITED SPACE, TURNING VANES, DOUBLE AIRFOIL TYPE WILL BE USED. ALL TRANSITIONS, OFFSETS, DROPS OR RAISES ARE TO HAVE RADIUS TYPE LAYOUT. NO SHARP ANGLED FITTINGS (MORE THAN 15 DEGREES) SHALL BE USED.

H. DUCTWORK LAYOUTS AND ROUTES AS SHOWN ON THE DRAWING ARE SCHEMATIC; THEREFORE, CHANGES IN DUCT SIZES AND/OR LOCATIONS SHALL BE MADE WHERE NECESSARY TO CONFORM TO SPACE CONDITIONS OR OBTAIN MAXIMUM HEADROOM CONDITIONS WITHOUT ADDITIONAL COST TO THE OWNER.

I. AIR DIFFUSERS AND GRILLES SHALL BE LOCATED IN CONFORMANCE TO ARCHITECTURAL REFLECTED CEILING PLANS, WHERE SO INDICATED.

J. WHERE DUCTS ARE REQUIRED TO BE REMOVED, ALL OPENINGS IN REMAINING DUCTS SHALL BE CAPPED AIRTIGHT.

K. WHERE DUCTS ARE SHOWN TO BE ACOUSTICALLY LINED, THE SIZES SHOWN ON THE PLANS SHALL BE THE CLEAR INSIDE DIMENSIONS WHEN LINING IS TO BE PROVIDED.

L. ALL LOW PRESSURE DUCTWORK WITH A STATIC PRESSURE OF 2 INCHES WATER GAUGE OR LESS SHALL BE SEALED WITH DUCT SEALANT TO MAINTAIN A LEAKAGE RATE OF NO GREATER THAN 5 PERCENT OF AIR VOLUME. APPLY DUCT SEALANT TO ALL TRANSVERSE SEAMS AND JOINTS.

M. WHERE THE TRADE ELECTS TO USE "DUCT-MATE" FOR JOINTS OR SIMILAR PRODUCT, PVC CLIPS ARE NOT PERMITTED (USE METAL) AND ALL CORNERS SHALL BE BOLTED (BOLTLESS CONNECTORS ARE NOT PERMITTED) EXCEPT WHERE LOCAL CODES PERMIT DUCT-MATE JOINTS AS BREAKAWAY CONNECTION AT FIRE DAMPERS. ONLY GASKETS MANUFACTURED BY DUCT-MATE ARE ACCEPTABLE.

N. WHERE SHOWN ON DRAWINGS AND UNLESS OTHERWISE SPECIFIED, OUTDOOR LOUVERS TO BE PROVIDED AS MANUFACTURED BY ARROW LOUVER AND DAMPER CO. OR CONSTRUCTION SPECIALTIES. LOUVERS SHALL BE AN EXTRUDED ALUMINUM STRUCTURE WITH AN ANODIZED ALUMINUM MILL FINISH OR FINISH AS SPECIFIED BY THE BUILDING MANAGEMENT. LOUVERS ARE ALSO TO BE PROVIDED WITH 1/2" WIRE MESH ALUMINUM BIRD SCREENS. ALL LOUVER SECTIONS NOT IN USE SHALL BE BLANKED-OFF WITH AN INSULATED SHEET METAL PANEL.

O. AUTOMATIC DAMPERS REQUIRING MODULATING CONTROL SHALL BE RUSKIN DAMPER CO., MODEL CD60 OPPOSED BLADE DAMPER. DAMPER BLADES TO BE CONSTRUCTED OF 14 GAUGE GALVANIZED STEEL. BLADES TO BE ROLLED FORMED AIR FOIL TYPE ENGINEERED FOR MINIMUM AIR LEAKAGE WITH RUSKIPRENE SEALS FITTED INTO MECHANICALLY LOCKED GROOVE INSERTS IN BLADE EDGE. JAMB SEALS SHALL BE FLEXIBLE METAL, COMPRESSION TYPE TO PREVENT LEAKAGE BETWEEN BLADE DAMPER AND FRAME. DAMPER BLADE BEARINGS SHALL BE OF STAINLESS STEEL SLEEVE. DAMPERS SHALL BE CERTIFIED THAT LEAKAGE SHALL NOT EXCEED 1% WITH THE DAMPER CLOSED AND HOLDING 5" W.G. PRESSURE ACROSS THE FACE.

15. GRILLES, REGISTERS AND DIFFUSERS – GENERAL

A. FURNISH AND INSTALL ALL METAL DIFFUSERS, GRILLES AND REGISTERS AS INDICATED ON DRAWINGS. ALL SIZES, AIR DISTRIBUTION PATTERNS AND AIR VOLUME CAPACITIES SHALL BE AS SPECIFIED ON THE DRAWINGS.

B. AIR SUPPLY REGISTERS SHALL BE PROVIDED WITH ADJUSTABLE FACE LOUVERS PARALLEL TO THE LONG DIMENSION. PROVIDE KEY OPERATED OPPOSED BLADE DAMPERS FIXEDLY ATTACHED TO THE GRILLES.

C. AIR RETURN GRILLES AND REGISTERS SHALL BE PROVIDED WITH FIXED FACE LOUVERS PARALLEL TO THE LONG DIMENSION AND SET AT 45 DEGREE ANGLE. FOR REGISTERS, PROVIDE KEY OPERATED OPPOSED BLADE DAMPERS FIXEDLY ATTACHED TO THE GRILLES.

D. ALL AIR OUTLETS SHALL BE STEEL AND SHALL BE FACTORY PAINTED WITH ACRYLIC WHITE ENAMEL PAINT FINISH OR OTHER COLOR AS DIRECTED BY ARCHITECT.

E. ALL CEILING TYPE AIR DIFFUSERS SHALL BE PROVIDED WITH EQUALIZING DEFLECTOR AND VOLUME DAMPERS.

F. WHERE INDICATED ON DRAWINGS, REGISTERS INDICATED AS UNDERWRITERS' APPROVED SHALL BE FURNISHED WITH A FUSIBLE LINK SELF-CLOSING REGISTER HAVING FUSIBLE LINK APPROVED BY UNDERWRITERS' LABORATORIES.

G. A SCHEDULE OF DIFFUSERS, GRILLES AND REGISTERS WITH MANUFACTURERS' MODELS, SIZES, ACCESSORIES, FINISHES, ETC., SHALL BE SUBMITTED FOR APPROVAL PRIOR TO RELEASE FOR FABRICATION AND DELIVERY.

16. INSULATION REQUIREMENTS

A. INSULATION SHALL BE APPLIED TO DUCTWORK OF MATERIALS AS SPECIFIED HEREIN AND FOR APPLICABLE SYSTEMS OF THIS PROJECT.

B. INSULATION SHALL BE CONTINUOUS THROUGH WALL AND SLAB OPENINGS.

C. INSULATION OF COLD SURFACES WHERE VAPOR BARRIER JACKETS ARE SPECIFIED SHALL BE APPLIED WITH AN UNBROKEN VAPOR SEAL. HANGERS AND SUPPORTS THAT ARE SECURED TO COLD SURFACES SHALL BE ADEQUATELY INSULATED TO PREVENT CONDENSATION.

D. WHERE INSULATION IS SPECIFIED FOR PIPING, INSULATE SIMILARLY ALL CONNECTIONS, VENTS, DRAINS, FLANGES, FITTINGS, VALVES, TANKS, PUMP CASINGS AND OTHER PARTS OF THE SYSTEM SUBJECT TO HEAT GAIN OR LOSS AND TO PREVENT CONDENSATION.

E. NOTE THAT EQUIPMENT CASINGS, WHICH ARE INTERNALLY AND ACOUSTICALLY INSULATED, NEED NOT BE INSULATED IN THE EXTERIOR. ACOUSTIC LINED SUPPLY DUCTWORK SHALL BE INSULATED EXTERNALLY IN ADDITION TO ACOUSTIC LINING.

F. DUCTWORK INSULATION

1) ALL NEW AND EXISTING SHEET METAL SUPPLY DUCTWORK SHALL BE INSULATED WITH 1-1/2" THICK FLEXIBLE DUCT INSULATION, 0.75 LB/CU.FT. DENSITY WITH A MAX. K FACTOR OF .30 AT 75° MEAN TEMPERATURE, WITH REINFORCED FOIL FACED, FLAME RESISTANT, ALUMINUM FOIL VAPOR BARRIER. INSULATION AND FACING WILL HAVE A COMBINED FLAME SPREAD RATING NO GREATER THAN 25 AND SMOKE DEVELOPED RATING NOT EXCEEDING 50. ALL INSULATION SHALL BE SECURED WITH DUCT ADHESIVE AND SEEMS SEALED BY TWO-INCH SEALING LIP WITH ADHESIVE AND FASTENED WITH 16 GAUGE RUST RESISTANT WIRE OR FIBERGLASS CORD ON 12" CENTERS. ON DUCTS OVER 24" WIDE, WELDED PINS AND CLIPS SHALL BE USED ON THE UNDERSIDE FOR FASTENING INSULATION.

2) FRESH AIR INTAKE, MIXED AIR DUCTWORK AND LOUVER BLANK-OFF PANELS SHALL BE INSULATED WITH RIGID DUCT INSULATION 4.2 LBS/CU.FT. DENSITY WITH A MAX. K FACTOR OF .24 AT 75 DEGREE MEAN TEMPERATURE WITH WHITE VINYL FOIL BARRIER FACING. INSULATION AND FACING WILL HAVE A COMBINED FLAME SPREAD RATING NO GREATER THAN 25 AND SMOKE DEVELOPED RATING NOT EXCEEDING 50. INSULATION SHALL BE IMPALED OVER WELDED PINS WITH CLIPS FIRMLY EMBEDDED INTO INSULATION. ALL JOINTS AND CLIPS SHALL BE SEALED WITH MATCHING STRIPS OF VINYL COATED VAPOR BARRIER LAMINATE SIMILAR TO OWENS CORNING 24 ASJ FOR DUCTS.

G. PIPING INSULATION

1) CONDENSATE DRAIN PIPING SHALL BE INSULATED WITH 1" THICK MOLDED GLASS FIBER WITH A MAXIMUM K FACTOR OF .24 AT 75 DEGREE F MEAN TEMPERATURE AND FACTORY APPLIED VAPOR BARRIER JACKET. INSULATION AND JACKET WILL HAVE A COMBINED FLAME SPREAD RATING NO GREATER THAN 25 AND SMOKE DEVELOPED RATING NOT EXCEEDING 50.

2) ALL PIPING INSULATION TO BE INSTALLED WITH LONGITUDINAL LAP AND VAPOR BARRIER JOINT SEAL STRIPS WITH ADHESIVE OR SELF-SEALING LAPS. FITTINGS AND VALVES SHALL BE INSULATED WITH MOLDED FITTINGS MITERED SEGMENTS OR COMPRESSED BLANKET INSULATION. ALL EXPOSED PIPING SHALL HAVE FACTORY ATTACHED PRE-SIZED GLASS CLOTH COVERED VAPOR BARRIER JACKET. EXPOSED PIPE FITTINGS SHALL BE FINISH WITH OPEN WEAVE FABRIC AND TWO COATS OF VAPOR BARRIER COATING.

3) FITTINGS AND VALVES SHALL BE INSULATED WITH SEGMENTS OF THE MOLDED INSULATION OR MOLDED FIBERGLASS FITTINGS WIRED SECURELY IN PLACE. FLANGES SHALL BE INSULATED WITH SECTIONAL PIPE INSULATION EXTENDING A MINIMUM OF 1" BEYOND THE END OF THE BOLTS. BOLT AREA TO BE FILLED WITH MINERAL WOOD CEMENT. THICKNESS OF FITTINGS, VALVE AND FLANGE INSULATION SHALL BE SAME AS ADJOINING PIPE INSULATION. CONCEALED FITTINGS, ETC., MAY BE INSULATED WITH 1 LB. FIBERGLASS BLANKET WRAPPED FIRMLY UNDER COMPRESSION, 2 TO 1 AND SECURED WITH COPPER-CLAD WIRE.

4) INSULATION PIPE HANGER SHIELD SHALL BE INSTALLED AT HANGERS FOR INSULATED PIPING. SHIELD LENGTH AND MINIMUM SHEET METAL GAUGE SHALL CONFORM TO THE FOLLOWING SCHEDULE:

PIPE SIZE	SHIELD LENGTH	MINIMUM GAUGE
1/2" TO 1-1/2"	4"	16
2" TO 6"	6"	20

H. ACOUSTICAL TREATMENT

1) FURNISH AND INSTALL ACOUSTICAL LINING IN DUCTWORK PLENUMS AND CASINGS AS SHOWN ON THE DRAWINGS AND AS SPECIFIED HEREIN.

2) ACOUSTICAL LINING WILL BE AS MANUFACTURED BY OWENS CORNING. FIBERGLASS DUCT LINER WILL BE A 1-1/2 LBS. PER CU.FT. DENSITY SEMI-RIGID GLASS FIBER BOARD WITH BINDER COAT ON AIR SIDE, MAXIMUM K FACTOR OF 0.24 AT 75 DEGREES F MINIMUM FOR USE AT AIR VELOCITIES UP TO 6000 FPM. ACOUSTICAL LINING WILL HAVE A FLAME SPREAD RATING NO GREATER THAN 25 AND SMOKE DEVELOPED RATING NOT EXCEEDING 50. BINDER COAT TO BE BLACK FOR DETECTION OF DAMAGE TO BINDER SURFACE.

3) INSTALL LINER IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. COMPLETELY COVER ALL PORTIONS OF DUCTWORK PLENUMS AND CASINGS WITH APPROVED ADHESIVE. INSTALL LINER WITH ALL TRAVERSE JOINTS NEATLY BUTTED WITH NO INTERRUPTIONS OR GAPS. COVER ALL EXPOSED EDGES, JOINTS, MECHANICAL FASTENERS AND ANY DAMAGED AREAS WITH ADHESIVE. ADDITIONALLY, SECURE LINER WITH APPROVED MECHANICAL FASTENERS INSTALLED IN ACCORDANCE WITH SMACNA DUCT LINER APPLICATION STANDARD.

4) ALL AIR CONDITIONING SUPPLY AIR DUCTWORK SHALL BE ACOUSTICALLY LINED FOR A MINIMUM DISTANCE OF 15 FEET DOWNSTREAM OF A FAN DISCHARGE WITH A MINIMUM OF ONE-INCH THICK ACOUSTICAL LINING.

5) ALL RETURN/EXHAUST FANS SHALL BE ACOUSTICALLY LINED FOR A MINIMUM DISTANCE OF 15 FEET OF THE FAN'S INTAKE AND DISCHARGE OPENINGS WITH A MINIMUM OF ONE INCH THICK ACOUSTICAL LINING.

17. ELECTRICAL WIRING AND WIRING DIAGRAMS

A. ELECTRICAL WIRING FOR POWER, AUTOMATIC TEMPERATURE, SAFETY AND INTERLOCKING CONTROLS FOR MOTORS, MOTOR STARTER AND OTHER ELECTRICAL APPARATUS AND DEVICES SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR UNDER ANOTHER DIVISION OF CONTRACT WORK.

B. THE MECHANICAL CONTRACTOR SHALL PREPARE AND SUBMIT FOR APPROVAL TERMINAL POINT TO TERMINAL POINT, COMPLETELY COORDINATED AND INTEGRATED WIRING DIAGRAMS FOR ALL WIRING REQUIRING FIELD INSTALLATIONS BY THE ELECTRICAL CONTRACTOR, AS A SUBCONTRACT TO THE MECHANICAL CONTRACTOR.

C. SPECIFIC WIRING DIAGRAMS OF FACTORY INSTALLED EQUIPMENT WIRING SHALL ALSO BE SUBMITTED FOR APPROVAL AND FURNISHED TO THE ELECTRICAL CONTRACTOR FOR HIS INSTALLATION REQUIREMENTS AND OTHER USES.

18. MOTOR STARTERS AND CONTROL DEVICES

A. FURNISH TO THE ELECTRICAL CONTRACTOR WHO SHALL ERECT AND WIRE SUITABLE STARTING AND CONTROL EQUIPMENT FOR ALL MOTORS.

B. MOTOR STARTERS SHALL BE CUTLER HAMMER, WESTINGHOUSE OR ALLEN BRADLEY MANUFACTURER, SUITABLE FOR WALL OR ANGLE IRON FRAME MOUNTING.

C. GENERAL NOTES:

1) ALL STARTERS FOR MOTORS LESS THAN 1/2 HP SHALL BE 120 VOLT, SINGLE PHASE, 60 CYCLE, A.C. SERVICE. MANUAL STARTERS WITH OVERLOAD PROTECTION AND LOCKOUT TYPE DISCONNECT SWITCH OR BREAKER MAY BE USED TO CONTROL SUCH MOTORS, EXCEPT WHERE INTERLOCKS OR AUTOMATIC CONTROLS ARE REQUIRED. IN SUCH CASES, MAGNETIC ACROSS- THE-LINE STARTERS SHALL BE FURNISHED.

2) ALL COILS, CORES, RESISTANCE, INSULATION CONTACTS, TRIPPERS, ETC., OF STARTERS AND RELAYS SHALL BE OF THE APPROVED TYPE. ALL PARTS SUBJECT TO WEAR, ARCING, ETC., SHALL BE RENEWABLE.

3) ALL WIRING, STARTERS, SWITCHES, ETC., SHALL BE IN FULL ACCORDANCE WITH ALL LOCAL AND INSURANCE UNDERWRITERS' CODE REQUIREMENTS.

4) FURNISH DETAILED COMPOSITE WIRING DIAGRAMS FOR THOSE INSTALLING ELECTRICAL WORK, AND FURNISH SUCH OTHER INFORMATION NECESSARY TO INSURE THE PROPER CONNECTION, OPERATION AND CONTROL OF MOTORIZED EQUIPMENT, INCLUDING INTERLOCKS, AUTOMATIC OR SAFETY CONTROLS AND AUXILIARY CIRCUITS.

19. VIBRATION ISOLATION SYSTEMS

A. ALL ROTATING, REVOLVING OR RECIPROCATING EQUIPMENT, INCLUDING PIPING CONNECTIONS TO THIS EQUIPMENT SHALL BE FURNISHED WITH SPRING-TYPE VIBRATION ISOLATORS, TO PREVENT THE TRANSMISSION OF OBJECTIONAL NOISES, SOUND OR VIBRATIONS TO THE OCCUPIED SPACES AND TO THE BUILDING STRUCTURES. STAINLESS STEEL BRAIDED FLEXIBLE HOSE CONNECTORS SHALL BE INSTALLED AT INLET AND DISCHARGE CONNECTIONS TO ALL PUMPS. SPRING-TYPE HANGERS SHALL BE PROVIDED FOR PIPING FOR A DISTANCE OF 20 FEET UP AND DOWNSTREAM OF ALL SUCH EQUIPMENT.

B. VIBRATION ISOLATORS FOR FLOOR OR CEILING SUPPORTED EQUIPMENT SHALL HAVE A MAXIMUM LATERAL MOTION UNDER EQUIPMENT START-UP OR SHUT-DOWN CONDITIONS OF 1/4". MOTIONS IN EXCESS SHALL BE RESTRAINED BY SPRING TYPE MOUNTINGS.

C. CEILING-HUNG FANS AND EQUIPMENT:

1) PROVIDE SPRING HANGER ROD ISOLATORS. STEEL COMPRESSION SPRING AND NEOPRENE SOUND PAD WITHIN A STEEL RETAINER BOX. SIMILAR TO MASON INDUSTRIES, INC., TYPE SLF, SLR, OR PCHS.

2) ONE (1) IN. MINIMUM STATIC DEFLECTION, 1/2 IN. MINIMUM RESERVE DEFLECTION, FACTORY-PRELOADED TO 75% OF A RATED LOAD.

3) PROVIDE SUPPLEMENTAL STEEL AS REQUIRED WHERE EQUIPMENT OR STRUCTURE CANNOT SUPPORT POINT LOADS.

D. FLOOR MOUNTED EQUIPMENT HAVING INTERNAL ISOLATION:

1) PROVIDE 3/4 IN. THICK NEOPRENE ACOUSTICAL BASE PADS OF WAFFLE CONSTRUCTION. SIMILAR TO MASON INDUSTRIES INC. TYPE SUPER W PADS.

2) 50 PSI MAXIMUM LOADING. PROVIDE STEEL BEARING PLATE TO DISTRIBUTE LOAD WHERE REQUIRED.

3) ALL FLOOR MOUNTED EQUIPMENT SHALL BE ERECTED ON 4" STEEL REINFORCED CONCRETE PADS OVER THE COMPLETE FLOOR AREA OF THE EQUIPMENT, UNLESS INDICATED TO THE CONTRARY ON THE DRAWINGS.

4) VIBRATION ISOLATOR SHALL BE PROVIDED BY EITHER OF THE FOLLOWING MANUFACTURERS:

A) MASON INDUSTRIES
B) VIBRATION ELIMINATOR CO.
C) CONSOLIDATED KINETICS CO.

20. PIPING INSTALLATIONS AND REQUIREMENTS

A. FURNISH AND INSTALL PIPING WHICH IS SCHEMATICALLY INDICATED AND SIZED ON DRAWINGS. PIPING TO BE INSTALLED TO MEET SPECIFIED HEADROOM OR FIELD CONDITIONS. PIPING SHALL CONFORM TO LATEST ASME CODES FOR PRESSURE PIPING.

B. PROVIDE PROPER PROVISION FOR EXPANSION AND CONTRACTION IN PIPE WORK TO PREVENT UNDUE STRAINS ON PIPING OR APPARATUS CONNECTED.

C. FURNISH AND INSTALL PIPING HANGERS, SUPPORTS, ANCHORS AND GUIDES HAVING A BUILT-IN SAFETY FACTOR OF FIVE (5); IN CONFORMANCE TO THE LATEST ANSI B31.9 CODE FOR PRESSURE PIPING AND MSS STANDARD PRACTICE SP-58 AND SP-69. ALL HANGER SPECIFICATIONS SHALL BE FURNISHED WITH ZINC CHROMATE PRIME PAINT FINISH.

D. SUPPORT HANGERS FROM BUILDING STEEL FRAMING WITH APPROVED TYPE CLAMP INSERT. PROVIDE ADDITIONAL STEEL SUPPORTS BETWEEN EXISTING FRAMING MEMBERS AS REQUIRED. ALL PIPE HANGING RODS, INSERTS AND CLAMPS SHALL BE U.L. APPROVED FOR THEIR RESPECTIVE USES. DO NOT HANG PIPING FROM OTHER PIPING.

E. PROVIDE PIPE HANGERS WITH SHIELDS ON ALL INSULATED PIPING.

F. UNLESS OTHERWISE SPECIFICALLY APPROVED, HANGER SIZE AND SPACING SHALL BE AS FOLLOWS:

COPPER TUBING

PIPE SIZES	MAXIMUM HANGER SPACING	MINIMUM ROD SIZES
1/2" TO 1-1/4"	6 FT. O.C.	3/8"

THE ABOVE HANGER SPACINGS APPLY TO STRAIGHT RUNS OF PIPE ONLY. AT POINTS WHERE VALVES, SPECIALTIES OR BRANCH CONNECTIONS ARE LOCATED, ADDITIONAL HANGERS OR SUPPORTS SHALL BE USED TO PROPERLY SUPPORT THE LOAD.

21. SLEEVES AND ESCUTCHEONS FOR PIPING

A. PIPE PENETRATIONS THROUGH MASONRY/CONCRETE WALLS, FLOORS, ROOF CONSTRUCTION AND FRAMED PARTITIONS SHALL HAVE A TRIM OPENING CUT NOT GREATER THAN NECESSARY FOR THE INSTALLATION OF A SLEEVE SECURED THEREIN. THE SPACE BETWEEN THE PIPE AND ITS SLEEVE SHALL NOT EXCEED ONE-HALF INCH.

B. SLEEVES SHALL BE FLUSH WITH THE FINISHED WALL OR PARTITION SURFACE.

C. ANNULAR SPACES BETWEEN PIPING AND SLEEVES OR CORE DRILLED FLOOR OPENINGS SHALL BE PACKED WITH MINERAL WOOL AND SEALED TO RETAIN THE FIRE INTEGRITY OF THE WALLS, PARTITIONS AND FLOORS WITH A NON-HARDENING COMPOUND SIMILAR TO DUXSEAL AS MANUFACTURED BY THE J.M. CLIPPER CORPORATION.

D. SLEEVES FOR PIPING THROUGH MASONRY WALL SHALL BE SCHEDULE 40, STANDARD GALVANIZED STEEL PIPE; IN FRAMED PARTITIONS SHALL BE 18 GAUGE SHEET METAL. THE SPACE BETWEEN THE PIPE AND ITS SLEEVE SHALL NOT EXCEED ONE-HALF (1/2) INCH.THE SLEEVE SHALL BE FLUSH WITH THE FINISHED WALL SURFACES.

E. PIPING IN EXPOSED AREAS, PASSING THROUGH WALLS, FLOORS OR CEILINGS SHALL BE FITTED WITH CHROMIUM-PLATED CAST BRASS ESCUTCHEONS WITH FASTENING SET SCREWS.

22. PIPING MATERIALS AND FITTINGS

A. PIPING MATERIALS AND FITTINGS SHALL BE PROVIDED IN ACCORDANCE WITH THE FOLLOWING SCHEDULE:

SERVICE	PIPING MATERIAL	FITTINGS
REFRIGERANT	HARD TEMPER COPPER TYPE "L"	WROUGHT COPPER BRAZED
DOMESTIC COLD	85% RED BRASS	BRASS SCREWED
CONDENSATE DRAIN LINES	HARD TEMPER COPPER TYPE "L" ASTM B-88	WROUGHT COPPER SOLDER ANSI B16.18

23. REFRIGERANT PIPING

A. ALL REFRIGERANT TUBING SHALL BE TYPE AC&R CLEANED, DEHYDRATED AND CAPPED COPPER. TUBE SIZES SHOWN ARE OUTSIDE DIAMETERS. ALL FITTINGS ARE TO BE WROUGHT COPPER TYPE WHICH MEET ANSI B16.22 SPECIFICATIONS AND COMPLY WITH ASTM TEST PROCEDURES. ALL JOINTS ARE TO BE BRAZED WITH SILFOS-5 OR EQUIVALENT. AFTER PIPING IS COMPLETED, SYSTEM IS TO BE PRESSURE TESTED FOR LEAKS. THE PIPING MUST BE PRESSURE TESTED WITH NITROGEN TO 550 PSI AND HELD FOR 24 HOURS. THEN WHEN THE SYSTEM IS READY TO BE EVACUATED, IT MUST BE EVACUATED TO 1000 MICRONS, BROKEN WITH NITROGEN AND THEN ALL THE WAY DOWN TO 500 MICRONS OR BELOW AND HELD THERE. IF VACUUM LEVEL RISE EXCEEDS THE LIMIT, THE SYSTEM SHOULD BE CHECKED FOR SMALL LEAKS, REPAIRED AND RETESTED.

B. DURING BRAZING OPERATIONS, FLOW AN INERT GAS SUCH AS NITROGEN THROUGH THE REFRIGERATION PIPING SYSTEM TO PREVENT SCALING AND CONTAMINATION OF INTERNAL PIPING WALLS.

C. TRAPS ARE TO BE PROVIDED AT THE BASE OF ALL SUCTION GAS RISERS TO INSURE THE POSITIVE RETURN OF OIL TO THE COMPRESSOR. OIL TRAPS SHALL BE CONSTRUCTED AS SHALLOW AS POSSIBLE TO MINIMIZE THE TRAPPED VOLUME TO AVOID THE CREATION OF LARGE SLUGS OF LIQUID.

D. INVERTED TRAPS SHALL BE INSTALLED AT THE TOP OF EACH SUCTION OR HOT GAS RISER TO CHECK THE BACKFLOW OF OIL DOWN THE RISER FROM THE HORIZONTAL RUN DOWNSTREAM.

E. WHENEVER THE LIFT OF A RISER WILL EXCEED APPROXIMATELY 20 FEET, PROVIDE INTERMEDIATE TRAPS TO ALLOW THE OIL TO TRAVEL UP IN STEPS.

F. ALL REFRIGERANT LINES EXPOSED TO OUTDOOR ELEMENTS AND ALL SUCTION LINES THROUGHOUT SHALL BE WRAPPED IN 1" THICK AMRMAFLEX INSULATION. ALL JOINTS SHALL BE MITERED AND TAPED TO ENSURE PROPER VAPOR SEAL. ALL SEAMS ARE TO BE GLUED WITH MANUFACTURER'S RECOMMENDED ADHESIVE.

G. PROVIDE ADEQUATELY SIZED REFRIGERANT LINE FILTER DRIERS AS REQUIRED.

H. REFRIGERANT PIPING TO BE INSTALLED AND SIZED IN ACCORDANCE TO EQUIPMENT MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR TO SUBMIT LAYOUT OF REFRIGERANT PIPING TO BE INSTALLED IN FIELD. INDICATE ACTUAL ROUTE, LENGTHS, ELBOWS, DEVICES AND EQUIPMENT FOR VERIFICATION OF PIPE SIZE AND INSTALLATION.

24. CONDENSATE DRAIN PUMPS

A. AT EACH NEW AC UNIT, THIS CONTRACTOR SHALL FURNISH AND INSTALL ONE (1) LITTLE GIANT CONDENSATE PUMP, MODEL NO. VCM-20LS WITH INTEGRAL FLOAT ALARM SWITCH AND INTEGRAL 1-GALLON RECEIVER. CAPACITY SHALL BE 25 GPH AT 20 FT. OF HEAD. ELECTRICAL CHARACTERISTICS – 115 V/1 PHASE, 1/30 HP MOTOR, 1.5 AMPS. MECHANICAL CONTRACTOR SHALL FURNISH ALARM BELL AND SILENCER SWITCH. LOW VOLTAGE TRANSFORMER BY ELECTRICAL CONTRACTOR. PUMP ALARM BELL TO BE WIRED BY ELECTRICAL CONTRACTOR.

REMOTE ALARM MODULE SHALL BE SIMILAR TO GOLDLINE TEMPERATURE CONTROLS, RAM-2, 24 VAC ANNUNCIATOR MODULE MANUFACTURED BY INDEPENDENT ENERGY, INC.

B. CONTROL SEQUENCE AS FOLLOWS:

WHEN WATER IN RECEIVER RISES TO DANGEROUS LEVEL, THE FLOAT SWITCH IS ACTIVATED, CAUSING A.C. UNIT SERVED BY PUMP TO SHUT DOWN AND AUDIBLE ALARM TO BE SOUNDED.

NEW YORK CITY BUILDING DEPARTMENT APPROVAL NOTE:

THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICAITON SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

THIS OWNER SHALL SEEK THE SERVICES OF A PROFESSIONAL ENGINEER TO PERFORM AND CERTIFY ALL SPECIAL INSPECTIONS IN ACCORDANCE WITH THE 2014 NEW YORK CITY BUILDING CODE.

THIS OWNER SHALL SEEK THE SERVICES OF A PROFESSIONAL ENGINEER TO FILE AND OBTAIN ALL EQUIPMENT USE PERMITS FOR ANY AND ALL EQUIPMENT SPECIFIED ON THESE PLANS REQUIRING SUCH.

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architecture & design

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project:

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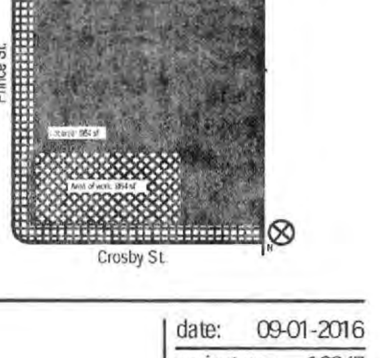

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project no.:	16247
drawn by:	TSF
checked by:	TSF

sheet title:

MECHANICAL SPECIFICATIONS

drawing no.

M-205.00

HOOD INFORMATION – Job#2783130

HOOD NO.	TAG	MODEL	LENGTH	MAX. COOKING TEMP.	EXHAUST PLENUM: TOTAL EXH. CFM	RISER(S): WIDTH	RISER(S): LENG.	RISER(S): HEIGHT	RISER(S): DIA.	RISER(S): CFM	RISER(S): S.P.	HOOD CONSTRUCTION	HOOD CONFIG.: END TO END	HOOD CONFIG.: ROW
1		5424 ND-2	9' 7.00"	600 Deg.	2300	10"	22"	4"		2300	-0.722"	430 SS Where Exposed	ALONE	ALONE
2		5424 ND-2	4' 2.00"	450 Deg.	833	9"	8"	4"		833	-0.500"	430 SS Where Exposed	ALONE	ALONE

PATENT NUMBERS

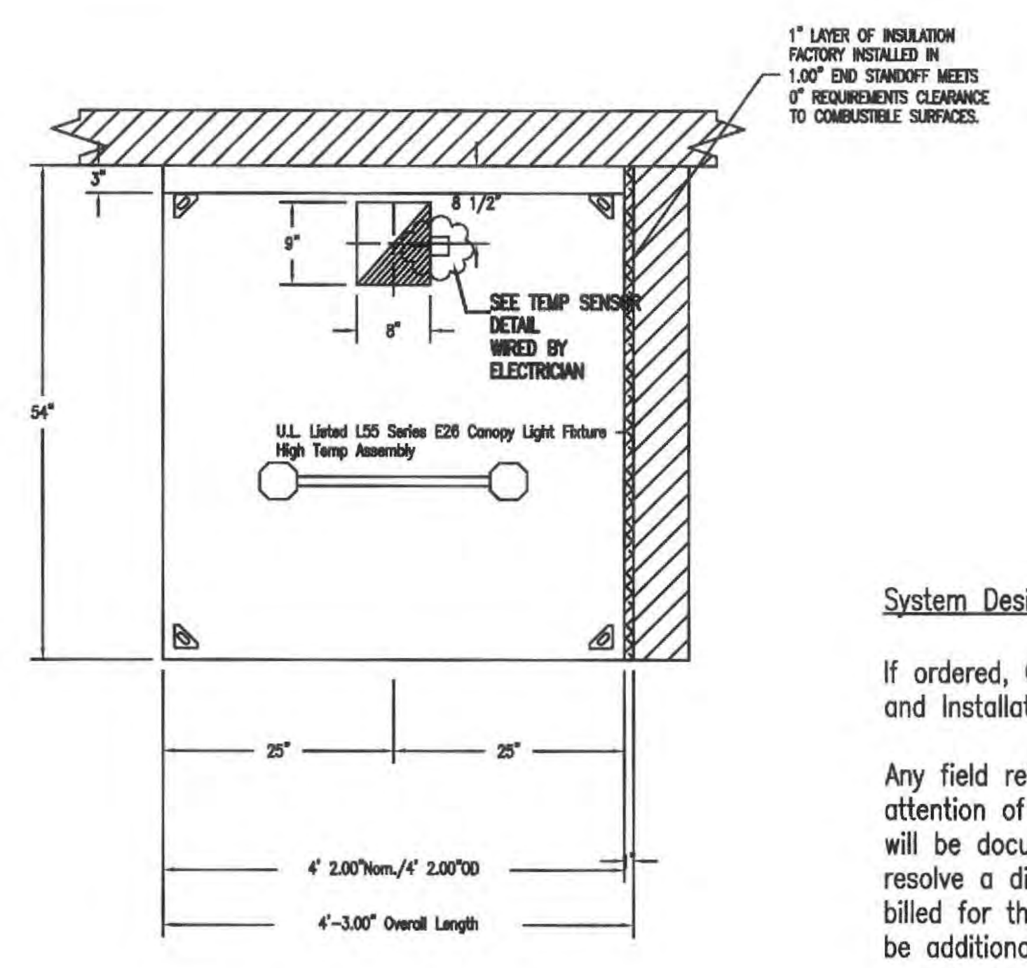
Exhaust Hoods ND-2/BD-2/SND-2 (Canada) – CA Patent 2520435 C

HOOD INFORMATION

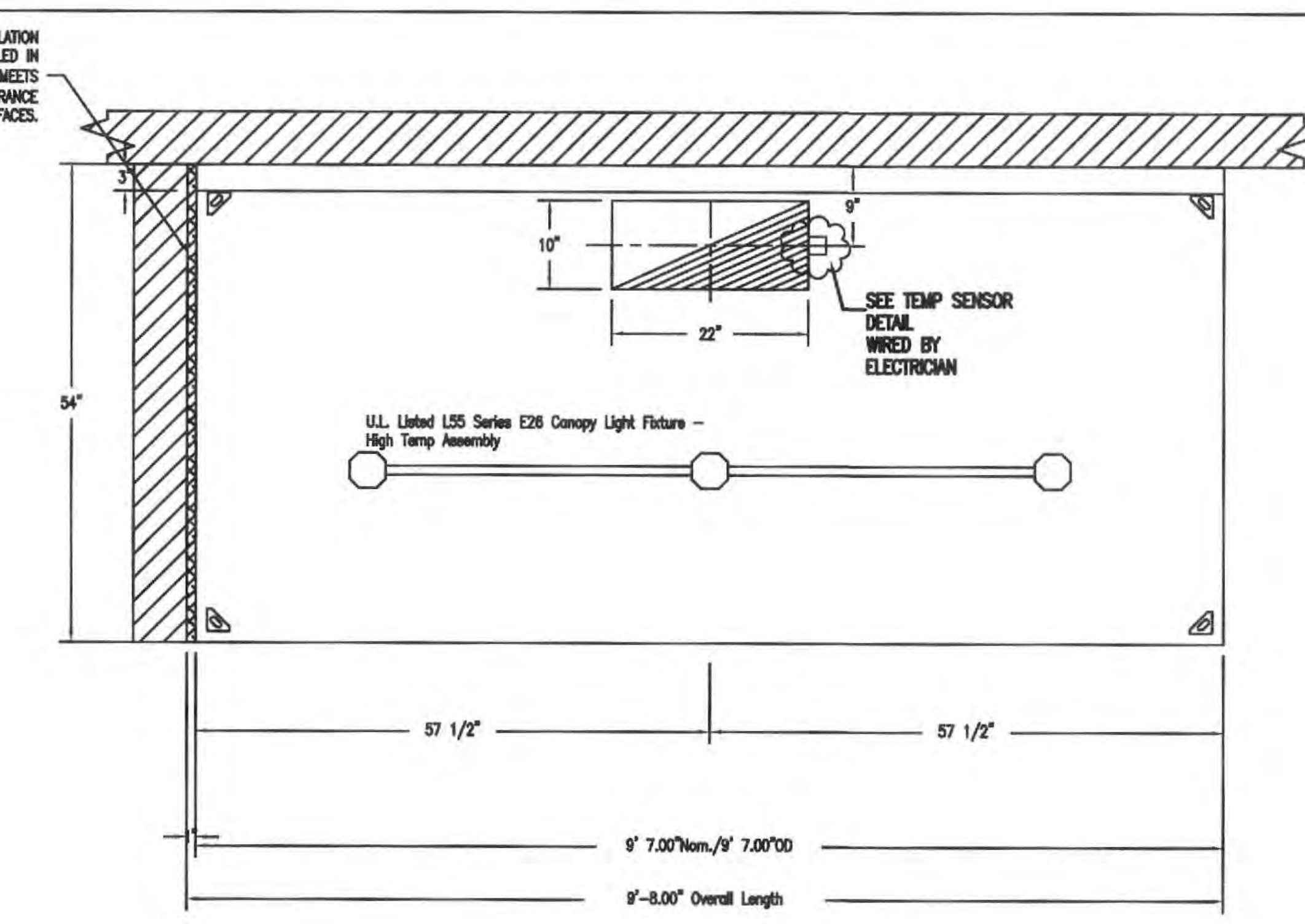
HOOD NO.	TAG	FILTER(S): TYPE	FILTER(S): QTY.	FILTER(S): HEIGHT	FILTER(S): LENGTH	FILTER(S): EFFICIENCY @ 9 MICRONS	LIGHT(S): QTY.	LIGHT(S): TYPE	LIGHT(S): WIRE GUARD	UTILITY CABINET(S): LOCATION	UTILITY CABINET(S): SIZE	FIRE SYSTEM: TYPE	FIRE SYSTEM: SIZE	ELECTRICAL: MODEL #	SWITCHES: QUANTITY	FIRE SYSTEM PIPING	HOOD HANGING WGHT
1		Captrate Solo Filter	7	20"	16"	93% See Filter Spec.	3	L55 Series E26	NO							YES	547 LBS
2		Captrate Solo Filter	3	20"	16"	93% See Filter Spec.	2	L55 Series E26	NO							YES	298 LBS

HOOD OPTIONS

HOOD NO.	TAG	OPTION
1		FIELD WRAPPER 18.00" High Front, Left, Right
		BACKSPLASH 80.00" High X 116.00" Long 430 SS Vertical
		LEFT SIDESPLASH 80.00" High X 54.00" Long 430 SS Vertical
		LEFT END STANDOFF (FINISHED) 1" Wide 54" Long Insulated
		INSULATION FOR TOP OF HOOD
		NYC CONSTRUCTION
2		FIELD WRAPPER 18.00" High Front, Left
		BACKSPLASH 80.00" High X 51.00" Long 430 SS Vertical
		RIGHT SIDESPLASH 80.00" High X 54.00" Long 430 SS Vertical
		RIGHT END STANDOFF (FINISHED) 1" Wide 54" Long Insulated
		INSULATION FOR TOP OF HOOD
		NYC CONSTRUCTION



PLAN VIEW – Hood #2
4' 2.00" LONG 5424ND-2



PLAN VIEW – Hood #1
9' 7.00" LONG 5424ND-2

SPECIFICATION: CAPTRATE GREASE-STOP SOLO FILTER

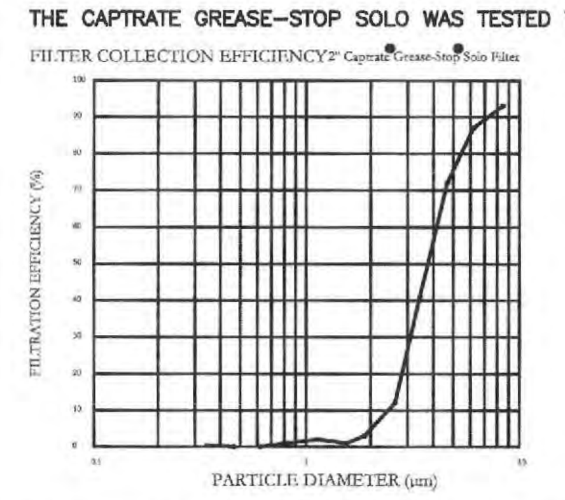
THE CAPTRATE GREASE-STOP SOLO FILTER IS A SINGLE-STAGE FILTER FEATURING A UNIQUE S-BAFFLE DESIGN IN CONJUNCTION WITH A SLOTTED REAR BAFFLE DESIGN, TO DELIVER EXCEPTIONAL FILTRATION EFFICIENCY.

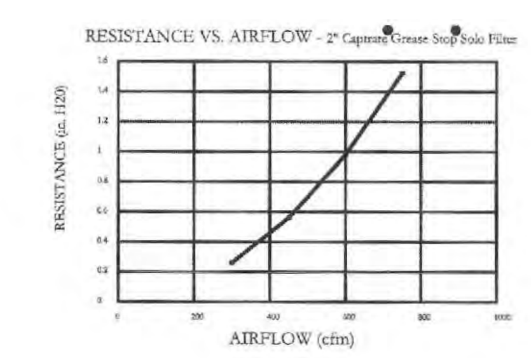
FILTER IS STAINLESS STEEL CONSTRUCTION, AND SIZED TO FIT INTO STANDARD 2-INCH DEEP HOOD CHANNEL(S).

UNITS SHALL INCLUDE STAINLESS STEEL HANDLES AND A FASTENING DEVICE TO SECURE THE TWO COMPONENTS WHEN ASSEMBLED.

GREASE EXTRACTION EFFICIENCY PERFORMANCE SHALL REMOVE AT LEAST 75% OF GREASE PARTICLES FIVE MICRONS IN SIZE, AND 90% GREASE PARTICLES SEVEN MICRONS IN SIZE AND LARGER, WITH A CORRESPONDING PRESSURE DROP NOT TO EXCEED 1.0 INCHES OF WATER GAUGE.

THE CAPTRATE GREASE-STOP SOLO WAS TESTED TO ASTM STANDARD ASTM F2519-05.





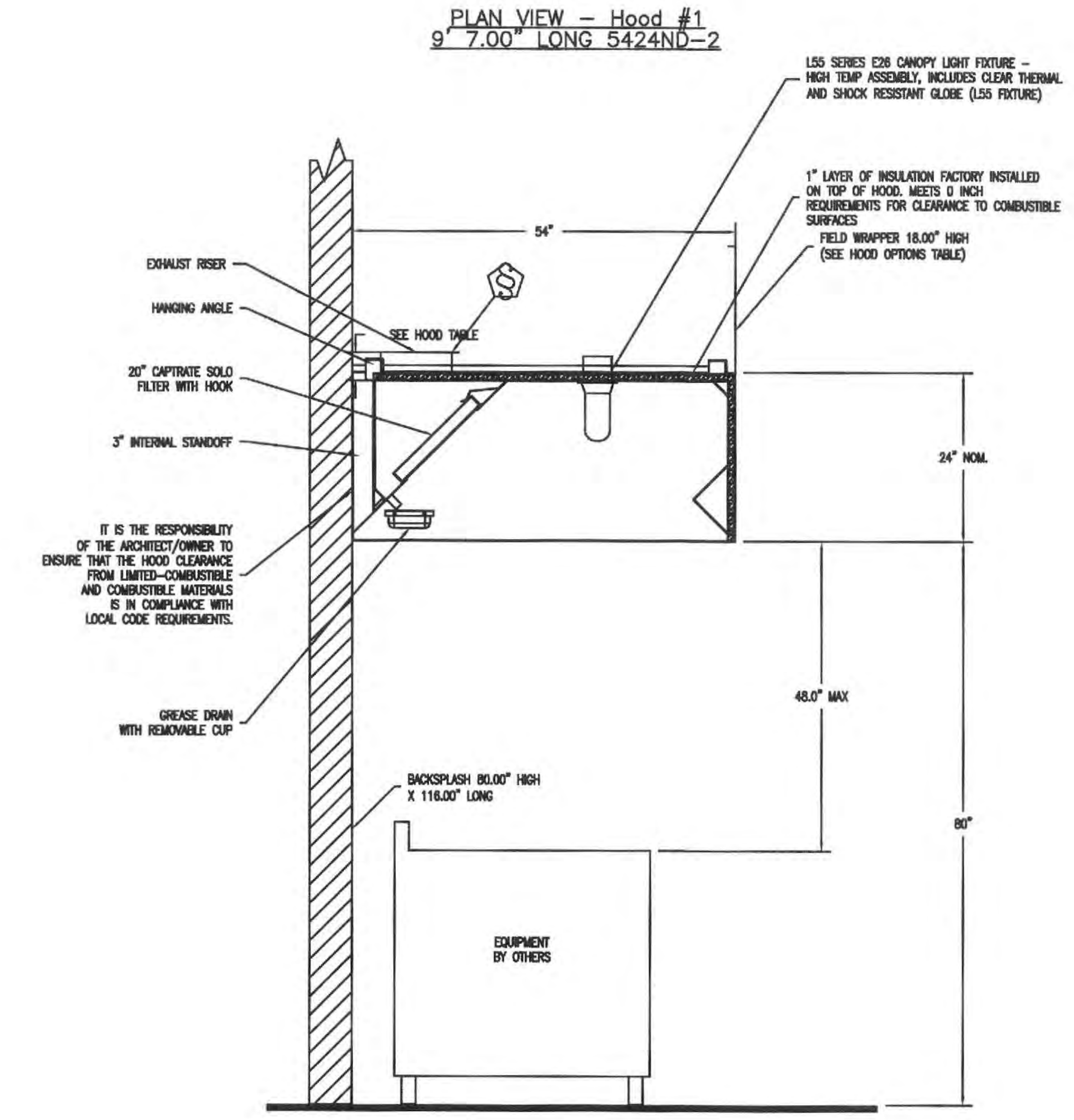
CAPTRATE FILTERS ARE BUILT IN COMPLIANCE WITH:.
NFPA #96
NSF STANDARD #2
UL STANDARD #1046
INT. MECH. CODE (IMC)
ULC-S649

System Design Verification (SDV)

If ordered, CAS Service will perform a System Design Verification (SDV) once all equipment has had a complete start up per the Operation and Installation Manual. Typically, the SDV will be performed after all inspections are complete.

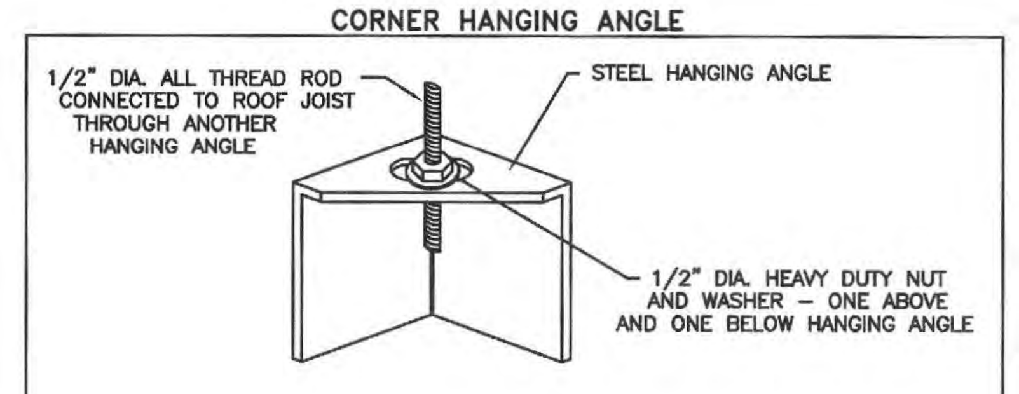
Any field related discrepancies that are discovered during the SDV will be brought to the attention of the general contractor and corresponding trades on site. These issues will be documented and forwarded to the appropriate sales office. If CAS Service has to resolve a discrepancy that is a field issue, the general contractor will be notified and billed for the work. Should a return trip be required due to any field related discrepancy that cannot be resolved during the SDV, there will be additional trip charges.

During the SDV, CAS Service will address any discrepancy that is the fault of the manufacturer. Should a return trip be required, the general contractor and appropriate sales office will be notified. There will be no additional charges for manufacturer discrepancies.

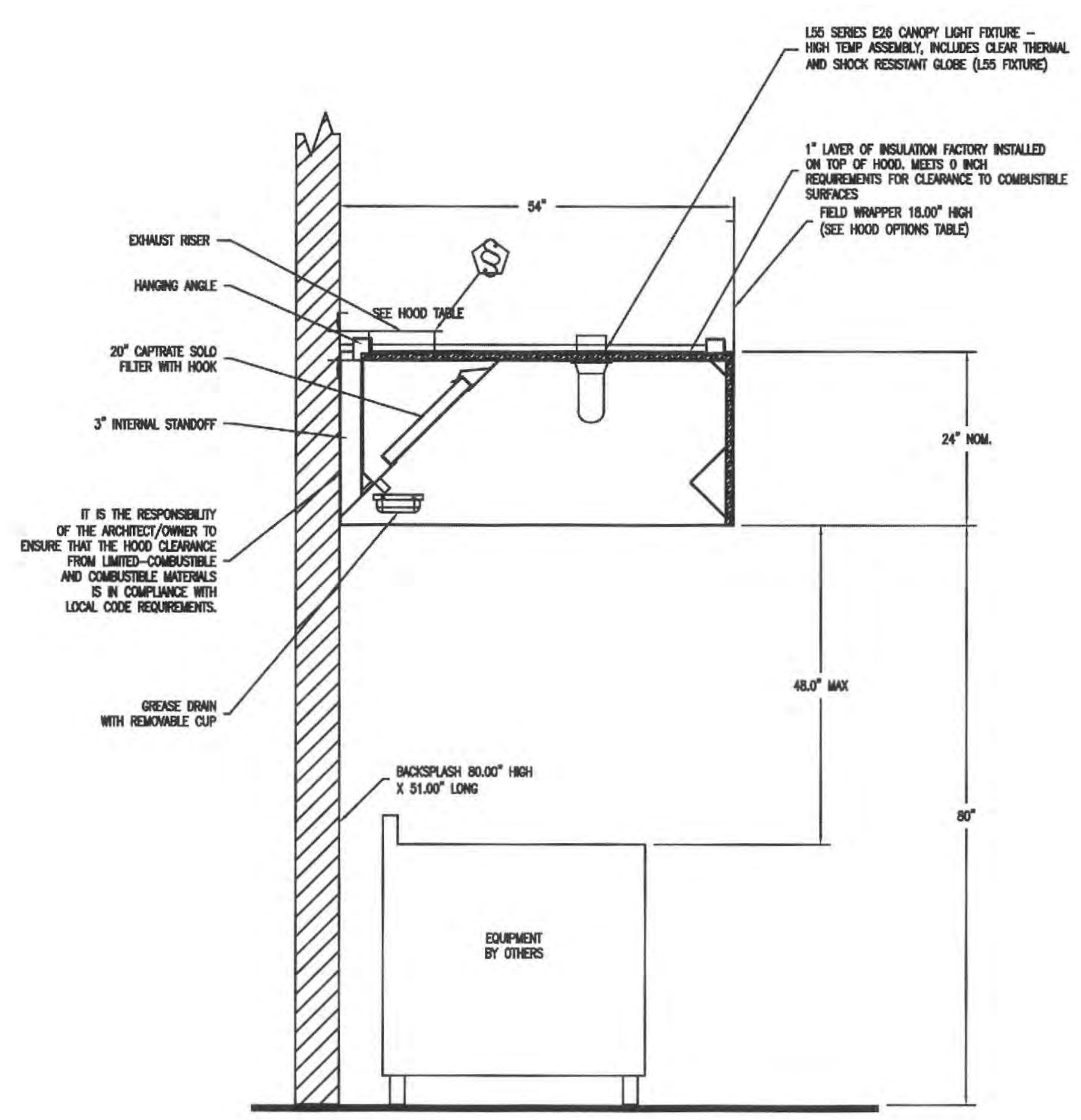


SECTION VIEW – MODEL 5424ND-2
HOOD – #1

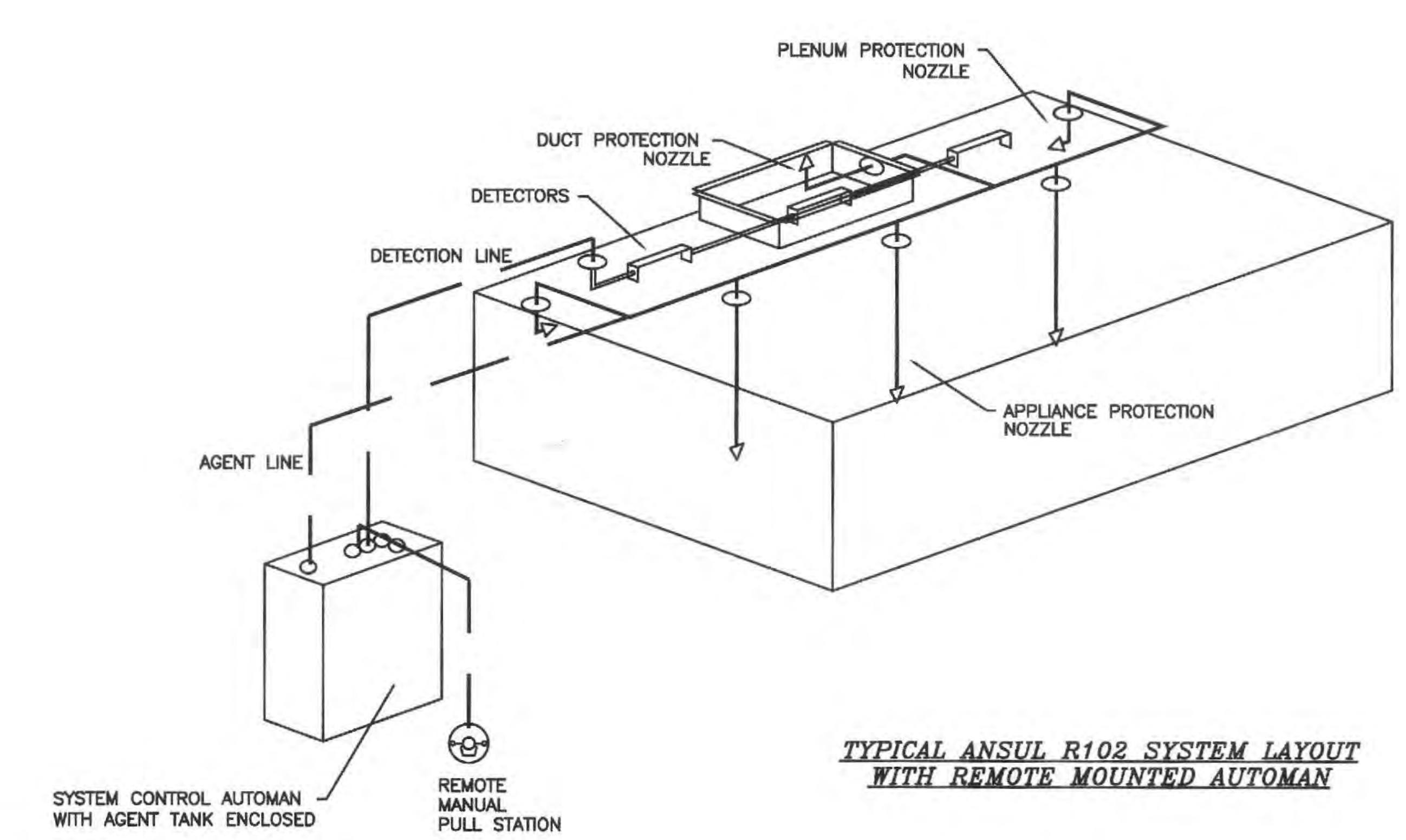
CORNER HANGING ANGLE



ROD, NUTS, AND WASHERS TO BE SUPPLIED BY INSTALLING CONTRACTOR HANGING ANGLE IS PRE-PUNCHED AT FACTORY



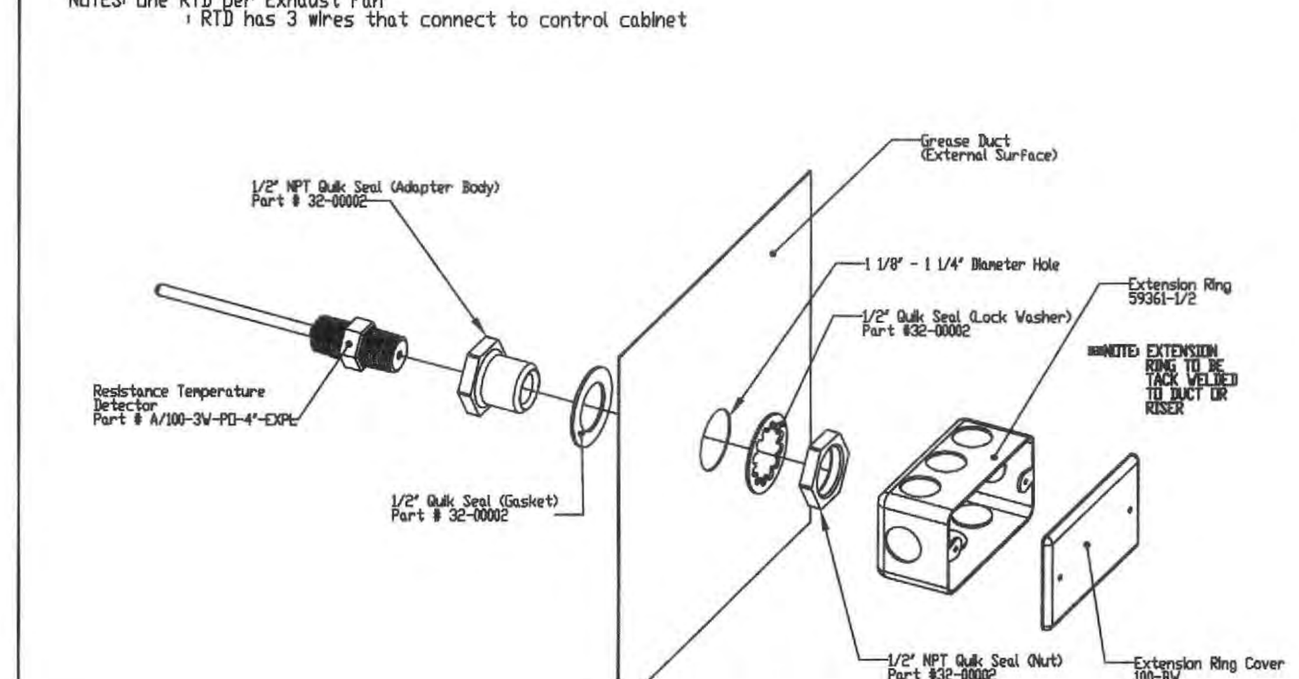
SECTION VIEW – MODEL 5424ND-2
HOOD – #2



TYPICAL ANSUL R102 SYSTEM LAYOUT
WITH REMOTE MOUNTED AUTOMAN

RTD SENSOR INSTALLATION (IF NOT FACTORY INSTALLED)

NOTES: One RTD per Exhaust Fan
: RTD has 3 wires that connect to control cabinet



REVISIONS	
DESCRIPTION	DATE:
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△	
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CAPTIVEAIRE
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Dig Inn – 70 Prince Street
NEW YORK, NY, 10018

DATE: 10/26/2016
DWG.#: 2783130
DRAWN BY: RDC–17
SCALE: 3/4" = 1'–0"
MASTER DRAWING
SHEET NO. 1

architect/designer:

garrett singer
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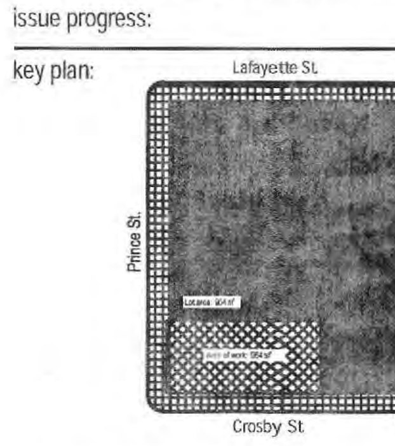

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checked by: TSF

sheet title:

KITCHEN EXHAUST SYSTEM SPECIFICATIONS

drawing no.

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SUPPLY FANS – Job#2783130

FAN UNIT NO.	TAG	FAN UNIT MODEL #	CFM	ESP.	RPM	H.P.	B.H.P.	#	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS.)	SONES
1	MUA-1	USB130D-RM	1780	1.200	1695	1.000	0.7440	3	208	3.1	1659 FPM	175	15.6
2	MUA-2	USB110D-RM	750	1.000	1515	1.000	0.2470	3	208	3.1	1157 FPM	151	9.1

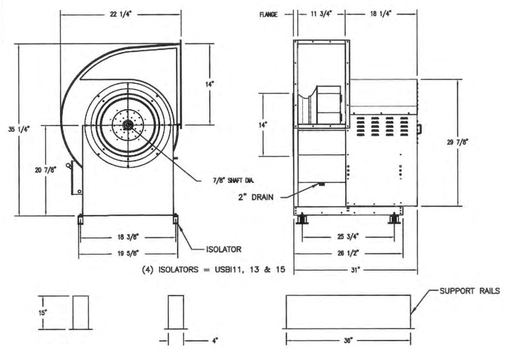
FAN OPTIONS

FAN UNIT NO.	TAG	OPTION (Qty. – Descr.)
1	MUA-1	1 – BI13 – Inlet Connection Standard 14" Flanged Grease Duct.
		1 – Utility Set – Spring Vibration Isolators – B10 Thru B11 / Equivalent Sized Utility Set – Indoor/Outdoor use.
		1 – BI – Discharge Orientation Horizontal Upper Right – CW Inlet Side.
2	MUA-2	1 – BI11 – Inlet Connection Standard 12" Flanged Grease Duct.
		1 – BI – Discharge Orientation Horizontal Upper Right – CW Inlet Side.
		1 – Utility Set – Spring Vibration Isolators – B10 Thru B11 / Equivalent Sized Utility Set – Indoor/Outdoor use.

CURB ASSEMBLIES

NO.	ON FAN	WEIGHT	ITEM	SIZE
1	# 1	38 LBS	Curb	4.000"W x 36.000"L x 15.000"H
2	# 2	38 LBS	Curb	4.000"W x 36.000"L x 15.000"H

FAN #1 USB130D-RM – EXHAUST FAN



FEATURES:

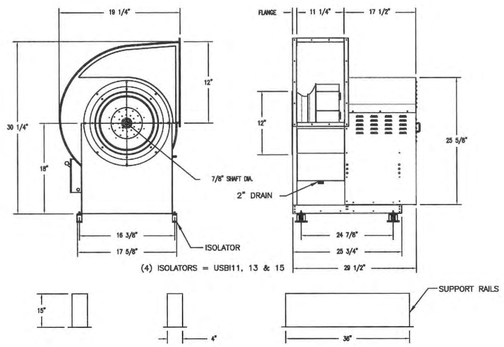
- ROOF MOUNTED FANS
- RESTAURANT MODEL
- UL705
- UL762
- HIGH HEAT OPERATION DIRECT DRIVE 350°F (176°C)
- HIGH HEAT OPERATION BELT DRIVE 350°F (176°C)
- HEAT SLINGER
- GREASE CLASSIFICATION TESTING
- 2" DRAIN
- MOTOR WEATHER COVER
- FULLY SEALED SCROLL HOUSING
- SCROLL ACCESS DOOR
- FLANGE 1 1/4" – 11 THRU 20.
- FLANGE 2" – 24 THRU 36.

OPTIONS

BI13 – INLET CONNECTION STANDARD 14" FLANGED GREASE DUCT,
UTILITY SET – SPRING VIBRATION ISOLATORS – B10 THRU B11 / EQUIVALENT SIZED
UTILITY SET – INDOOR/OUTDOOR USE.
BI – DISCHARGE ORIENTATION HORIZONTAL UPPER RIGHT – CW INLET SIDE.

NORMAL TEMPERATURE TEST DIRECT DRIVE
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 350°F (176°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

FAN #2 USB110D-RM – EXHAUST FAN



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- MOTOR WEATHER COVER
- FULLY SEALED SCROLL HOUSING
- SCROLL ACCESS DOOR
- FLANGE 1 1/4" – 11 THRU 20.
- FLANGE 2" – 24 THRU 36.

OPTIONS

BI11 – INLET CONNECTION STANDARD 12" FLANGED GREASE DUCT.
BI – DISCHARGE ORIENTATION HORIZONTAL UPPER RIGHT – CW INLET SIDE.
UTILITY SET – SPRING VIBRATION ISOLATORS – B10 THRU B11 / EQUIVALENT SIZED
UTILITY SET – INDOOR/OUTDOOR USE.

NORMAL TEMPERATURE TEST DIRECT DRIVE
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 350°F (176°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

REVISIONS

DESCRIPTION	DATE

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Dig Inn – 70 Prince Street
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MASTER DRAWING
SHEET NO. 2

architect / designer:

garrett singer
architecture & design

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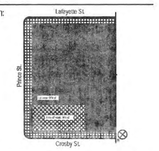

seal:

STATE OF NEW YORK NICHOLAS J. TUCCI 071681 LICENSED PROFESSIONAL ENGINEER

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drawn by:	TSF
checked by:	TSF

sheet title:

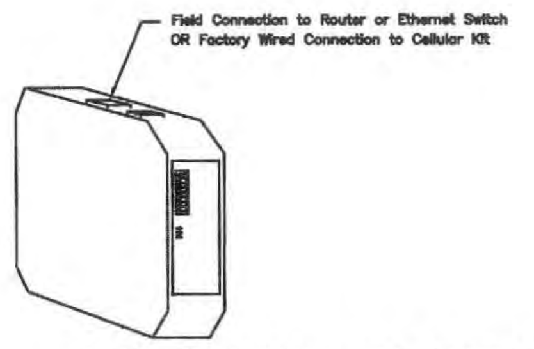
KITCHEN EXHAUST SYSTEM SPECIFICATIONS

drawing no.

M-302.00

ELECTRICAL PACKAGES – Job#2783130

NO.	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED				
				LOCATION	QUANTITY		TYPE	ϕ	H.P.	VOLT	FLA
1		DCV-2111	Wall Mount In SS Box	SS Wall Mount Box	1 Light 1 Fan	Smart Controls DCV	Exhaust	3	0.500	208	2.0
							Exhaust	3	2.000	208	8.3
							Supply	3	2.000	208	8.3



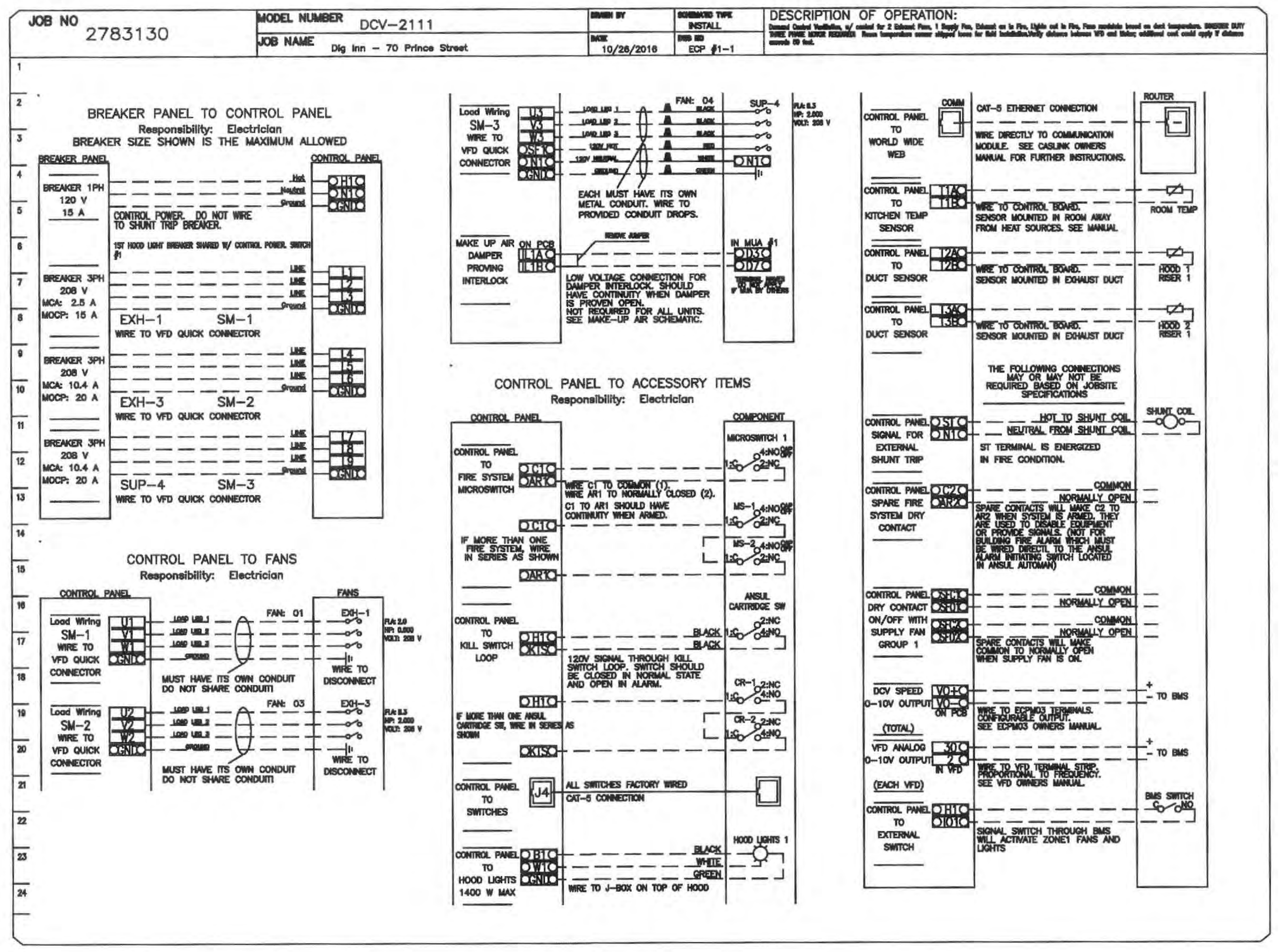
CASlink Monitor and Control

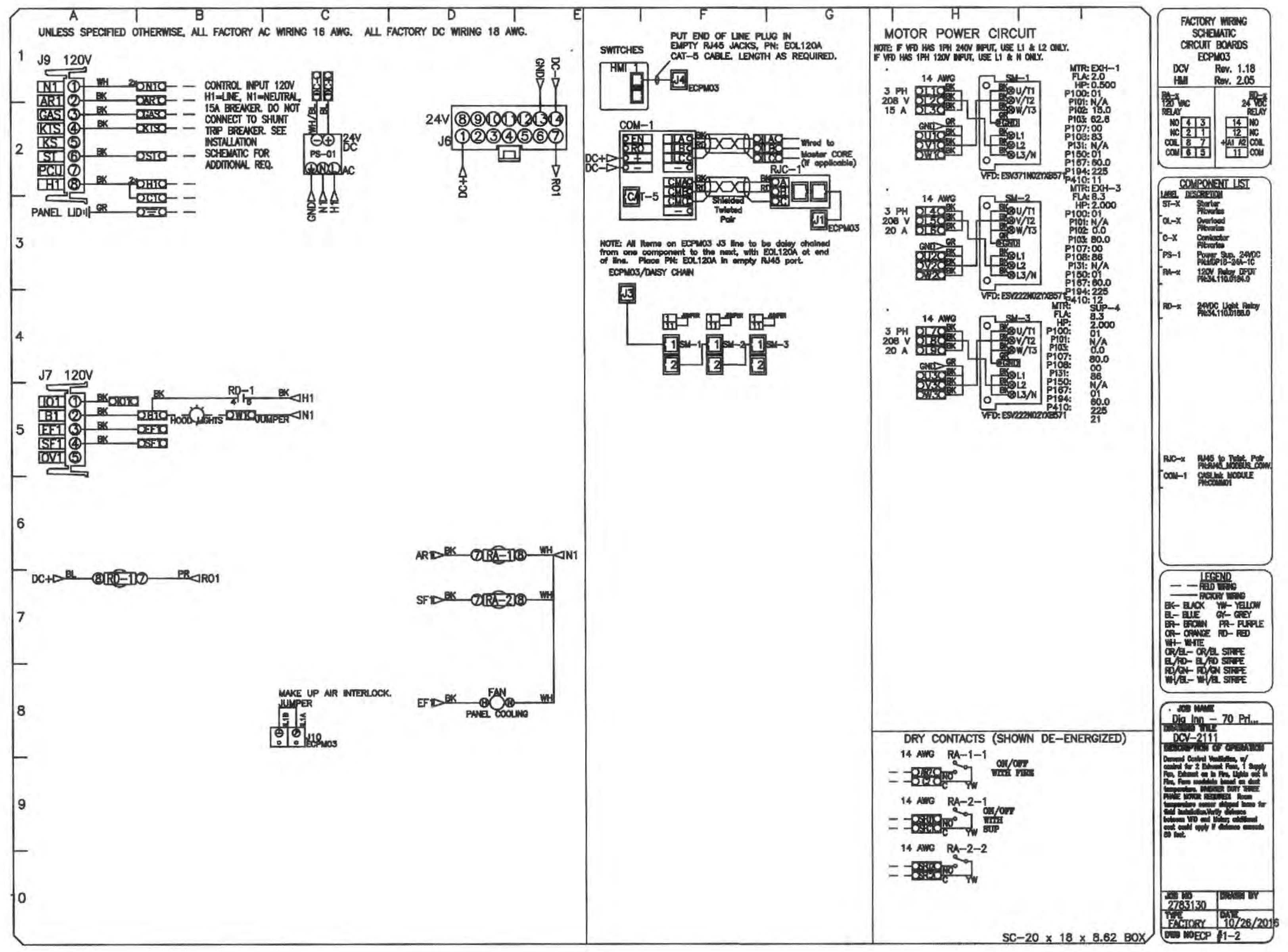
- Hood control panel to support communications to cloud-based Building Management System.
- Hood Control Panel to allow cloud-based Building Management System to monitor real time parameters outlined as MONITOR in the points list.
- Hood Control Panel to allow cloud-based Building Management System to control parameters outlined as CONTROL in the points list.

MONITORING AND CONTROL POINTS LIST

DCV Packages	Function
Room Temperature	MONITOR
Duct Temperature(s)	MONITOR
MUA Discharge Temperature	MONITOR
Kitchen RTU Discharge Temperature	MONITOR
Fan Speed	MONITOR
Fan Amperage	MONITOR
Fan Power	MONITOR
VFD Faults	MONITOR
Controller Faults	MONITOR
Fan Faults	MONITOR
Fan Status	MONITOR
PCU Faults	MONITOR
PCU Filter Clog Percentages	MONITOR
Fire Condition	MONITOR
CORE Fire System	MONITOR
Building Pressures	MONITOR
Prep Time Button	MONITOR & CONTROL
Fans Button	MONITOR & CONTROL
Lights Button	MONITOR & CONTROL
Wash Button	MONITOR & CONTROL

SC Packages	Function
Room Temperature(s)	MONITOR
Duct Temperature(s)	MONITOR
MUA Discharge Temperature	MONITOR
Kitchen RTU Discharge Temperature	MONITOR
Controller Faults	MONITOR
Fan Faults	MONITOR
Fan Status	MONITOR
PCU Faults	MONITOR
PCU Filter Clog Percentages	MONITOR
Fire Condition	MONITOR
CORE Fire System	MONITOR
Building Pressures	MONITOR
Fans Button(s)	MONITOR & CONTROL
Lights Button(s)	MONITOR & CONTROL
Wash Button	MONITOR & CONTROL

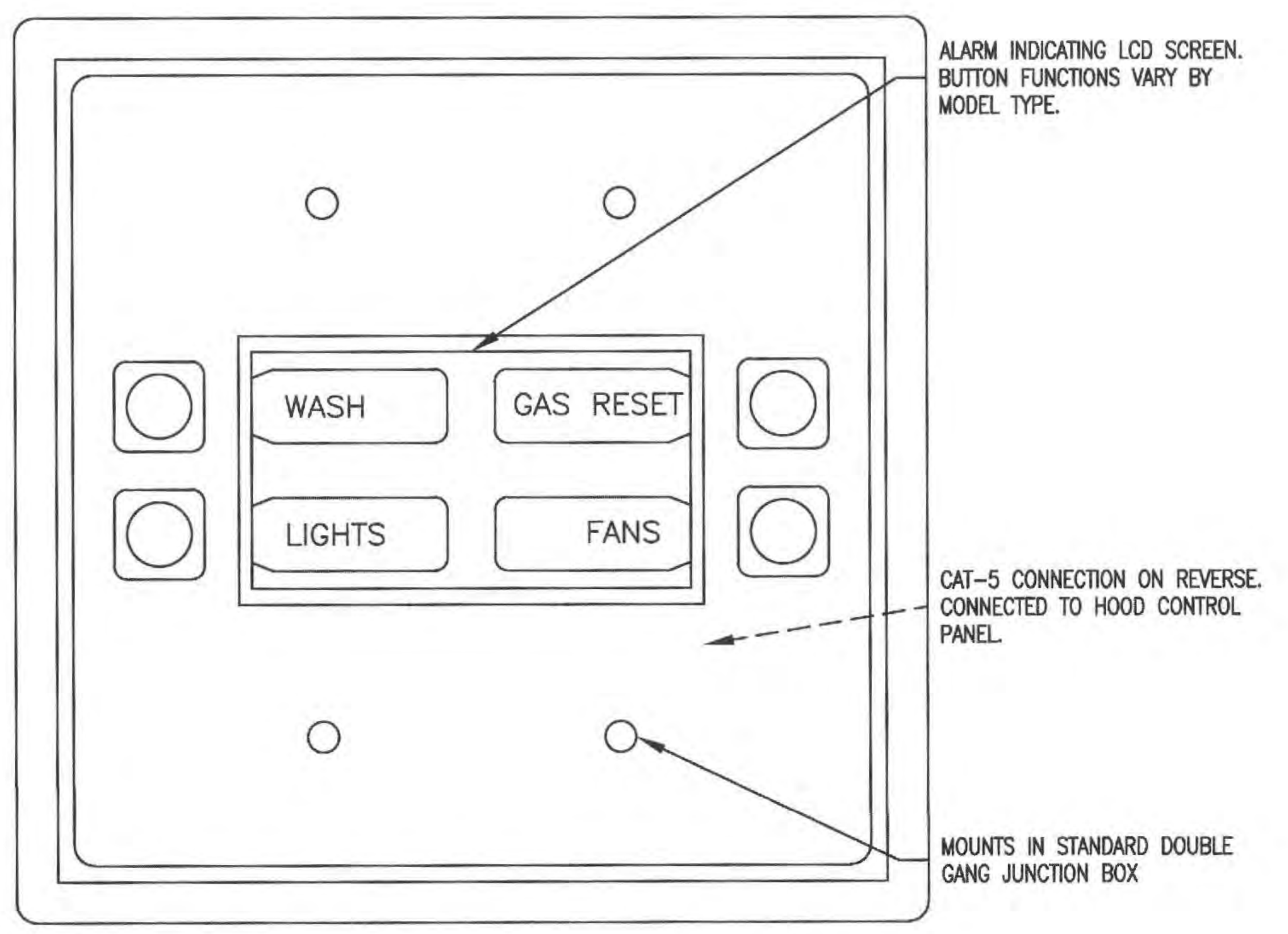


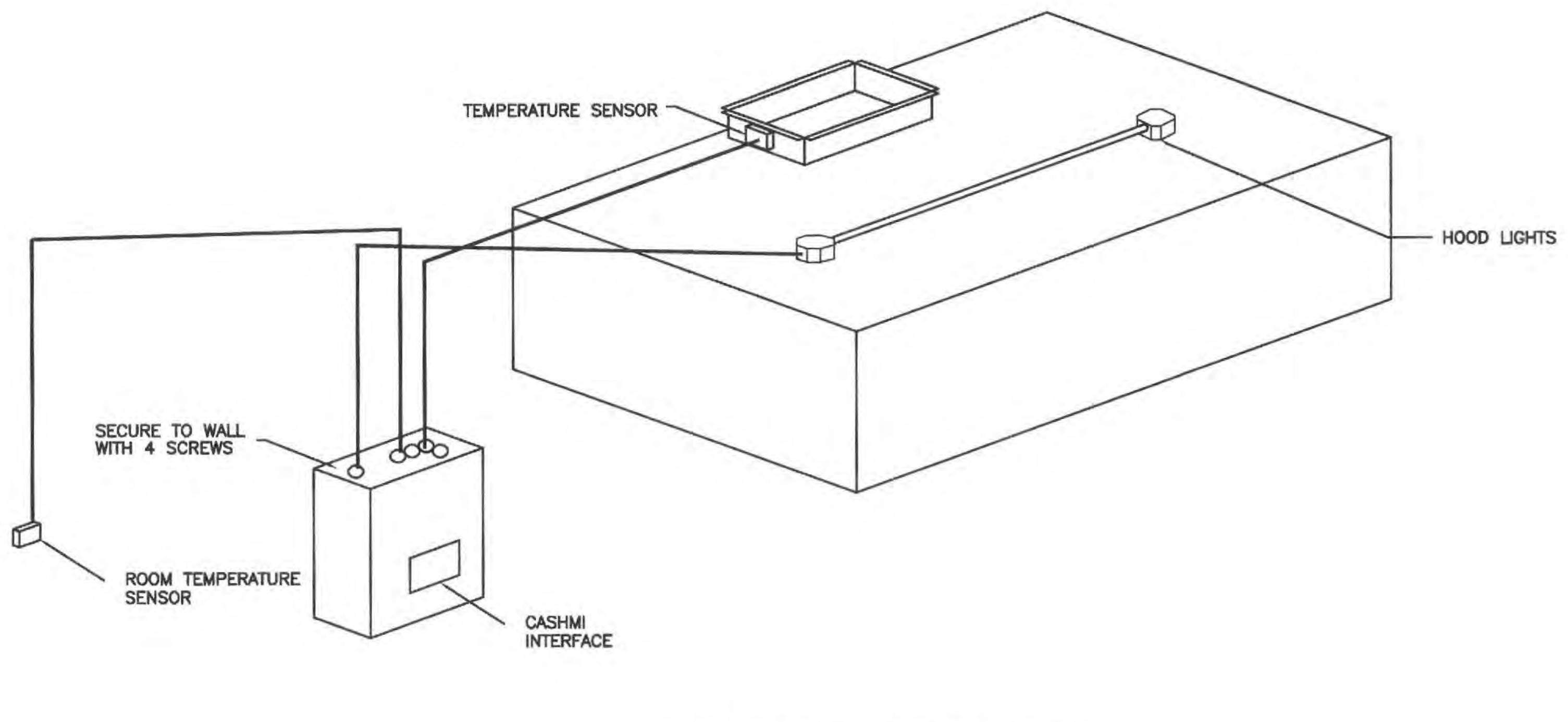


******ATTENTION ELECTRICIAN******

LOAD SIDE WIRING FOR EACH FAN MUST BE RUN IN SEPERATE CONDUIT FROM EMS SYSTEM TO EACH FAN ON ROOF.

ELECTRICAL PANEL CONTROL INTERFACE





WALL MOUNTED CONTROL CENTER

REVISIONS

	DESCRIPTION	DATE:
△		
△		
△		
△		

CAPTIVEAIRE

NYC OFFICE

154 Grand Street, New York, NY, 10013 PHONE: (646) 723-3365 FAX: (646) 403-4230 EMAIL: reg17@captiveaire.com

www.captiveaire.com

Dig Inn – 70 Prince Street

NEW YORK, NY, 10018

DATE: 10/26/2016

DWG.#: 2783130

DRAWN BY: RDC-17

SCALE: 3/4" = 1'-0"

MASTER DRAWING

SHEET NO. 3

architect/designer:

garrett singer

architecture & design

8 east palisade avenue, loft A
englewood, new jersey 07631
t 201.541.2400 f 201.541.4199
garrettsinger.com

consultants:

Structural:

MEP:

TSF Engineering, P.C.
200 Park Ave. South, NY, NY 10003
T 212.253.7303
F 212.253.6512

Food Service:

project:

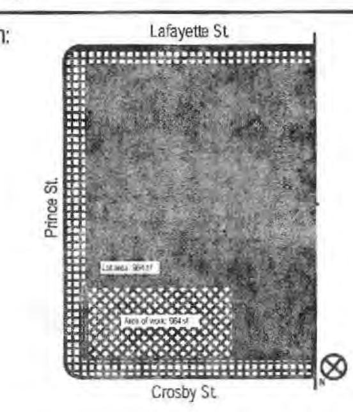
Dig Inn

70 Prince St.
New York, NY 10012

11/28/16	ISSUED
09/23/16	ISSUED FOR FILING/BID

issue progress:

key plan:



seal:

STATE OF NEW YORK · NICHOLAS P. TUCCI · 071681 · LICENSED PROFESSIONAL ENGINEER

date: 09-01-2016
project no.: 16247
drawn by: TSF
checked by: TSF

sheet title:

KITCHEN EXHAUST SYSTEM SPECIFICATIONS

drawing no.

M-303.00

Dig Inn

ALTERATION II

70 Prince St. New York, NY 10012

(Block: 496 / Lot 7501 / Map 12C / BIN 1007557)

Issued for DOB Filing

Building Information

Name of Project: Dig Inn
Address: 70 Prince St., NY, NY 11012 BIN: 1007557
Proposed Use: Restaurant
Owner Rep: Peter Hoffman Phone #: 917-496-6448
Owned By: 105 Crosby Condo ☐ City/County ☒ Private ☐ State
Owner Address: 70 Price St. New York NY 10012
E-mail address: backfortywest@gmail.com

Building Code Jurisdiction:

City of New York-Prior to 1968

☐ New Construction ☐ Renovation (Existing Bldg.) ☐ Upfit ☒ Alteration ☐ Reconstruction

Building Data

Existing Certificate of Occupancy: # 112423
Proposed Occupancy: No Change
Proposed Max No. Of Occupancy: No Change
Construction Type: ☒ Class 3 No Fire Proof

Mixed Construction: ☐ No ☒ Yes
Sprinklers: ☐ No ☒ Yes
Fire District: ☐ No ☒ Yes
Building Height: 30'-0" Number of Stories: 3

(Building height and number of stories per NYC C of O #112423)

Life Safety System Requirements

Emergency Lighting:	☐ No	☒ Yes
Exit Signs:	☐ No	☒ Yes
Smoke Detection Systems:	☐ No	☒ Yes**
Panic Hardware:	☐ No	☒ Yes ☐ Yes, not req.

Zoning Analysis

Block No.: 496
Lot No.: 7501
Zoning Dist.: M1-5B
Overlays: None
Map No.: 12C
Lot Area.: 964 SF

Proposed Use Group: No change
Landmark: ☐ No ☒ Yes

Occupant Load Area Calculations as per 1968 BC Table 6-2

Room	sq.ft.	occupancy	net area per occ. per sf occupants	actual proposed occupants	
1st Floor					
	415	Kitchen	200	2	2
	236	Retail	25	9	9
	157	Dining	12	13	13
2nd Floor					
	309	Dining	12	25	22
	85	Retail	25	3	3
	297	Kitchen	200	1	1
Total allowed per sq.ft.				53	
Total Proposed Occupancy					50

Travel Distances as per 1968 BC Table 6-1

(Determination of Exit and Access Requirements)

First floor	Sprinklered**
Primary path	
Maximum Travel Distance	150'
Actual	55'-4"
Second floor	Sprinklered**
Primary path	
Maximum Travel Distance	150'
Actual	70'-10"

Special Inspections

Fire-Resistance Rated Construction - BC 1704.27

Progress Inspections

Fire-Resistance Rated Construction - BC 110.3.4
Final - BC 110.5

Energy Inspections

Interior Lighting Power
Lighting Controls
Exit Signs

Number of Fixtures per NYC Plumbing Code 2014 :

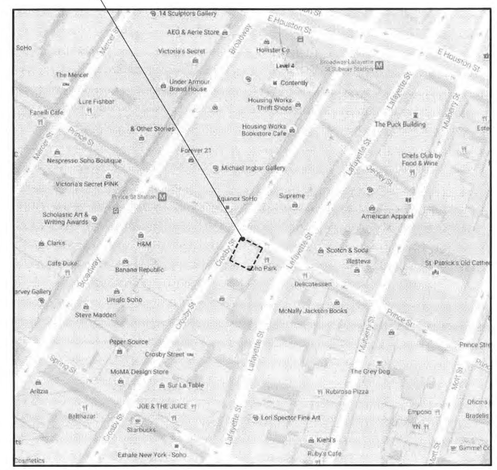
	Required	Provided
ADA Single Occupant Toilet room	1 WC/1 Lav	1 WC/1 Lav
Combined employee/ customer restroom	1 WC/1 Lav	1 WC/1 Lav

Drawing Index

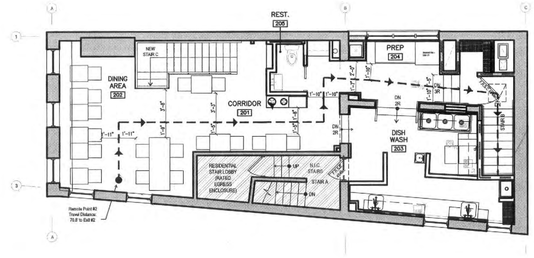
S = Issued
R = Issued & Revised

			11/15/2016	12/8/2016	2/8/2017	2/27/2017	3/24/2017	
Architectural	T-001	Title Sheet	S	R	R	S	S	
	T-002	Notes & Legend	S	S	R	S	S	
	T-003	Responsibility Matrix	S	S	R	S	S	
	T-004	Flood Zone	S	S	R	S	S	
	DM-101	Demolition Plans	S	R	R	R	S	
	A-101	Construction Plans	S	R	R	R	R	
	A-102	Finish Plans	S	R	R	R	R	
	A-103	Reflected Ceiling Plans	S	R	R	R	S	
	A-104	Roof Plan	S	S	R	S	S	
	A-105	Low Voltage Plan	S	R	R	S	S	
	A-201	Interior Elevations	S	R	R	S	R	
	A-202	Exterior Elevations	S	R	R	S	S	
	A-203	Building Sections	S	R	R	S	S	
	A-204	Building Sections	S	R	R	S	S	
	A-205	Interior Elevations			S	S	R	
	A-301	Details	S	R	R	R	S	
	A-302	Firestopping and UL Specification	S	S	R	S	S	
	A-303	Details	S	R	R	S	S	
	A-304	Partition Types			S	S	S	
	A-401	Enlarged Restroom Plans & Elevations	S	R	R	S	R	
	A-402	Enlarged Stair Plan, Sec & Details	S	R	R	S	S	
	A-403	Enlarged Stair Details & Sections		R	R	S	S	
	A-404	Enlarged Window Wall			S	S	S	
	A-405	Enlarged Glass interior partition & Glass railing					S	
	A-501	Millwork - Garbage Station	S	R			R	
	A-502	Millwork - Waiter-Bus Station	S	R	R	S	R	
	A-503	Millwork - Coffee Counter	S	R	R	S	R	
	A-504	Millwork - Pick Up Shelves & Counter	S	S	R	S	R	
	A-505	Millwork - Suspended Shelves & Counter	S	R	R	S	R	
	A-506	Millwork - Service Counter	S	R	R	S	R	
	A-507	Millwork - Service Counter Sections	S	R	R	S	S	
	A-508	Millwork - Service Counter - Sections	S		R	S	S	
	A-509	Millwork - 2nd Fl. Waiter Station			S	S	R	
	A-601	Door Schedule	S	R	R	S	S	
	A-602	Door and Widow Details			S	S	S	
	A-701	Equipment Plan & Schedule	S	S			S	
Structural	S-001.00	Mechanical General Notes	S	S	R			
	S-002.00	Mechanical Plan, Elevation, Sections & Notes	S	S	R			
Mechanical	M-101.00	Cellar & 1st Floor Mechanical Plan	S	S	R			
	M-102.00	2nd Floor & Roof Mechanical Plan	S	S	R			
	M-201.00	Mechanical Notes & Legend	S	S	R			
	M-202.00	Mechanical Schedules	S	S	R			
	M-203.00	Mechanical Details	S	S	R			
	M-204.00	Mechanical Details	S	S	R			
	M-205.00	Mechanical Specifications	S	S	R			
	M-301.00	Kitchen Exhaust System Specifications	S	S	R			
	M-302.00	Kitchen Exhaust System Specifications	S	S	R			
	M-303.00	Kitchen Exhaust System Specifications	S	S	R			
Electrical	E.101.00	1st & 2nd Floor Electrical Lighting Plans	S	S	R			
	E.102.00	1st & 2nd Floor Electrical Power Plans	S	S	R			
	E.103.00	Cellar, 1st & 2nd Floor Electrical Power Plans	S	S	R			
	E.104.00	Electrical Details	S	S	R			
	E.105.00	Electrical Riser & Schedules	S	S	R			
	E.106.00	Electrical Symbols & Notes	S	S	R			
	E.107.00	Electrical Specifications	S	S	R			
Plumbing	P-101.00	Cellar & 1st Floor Plumbing Plan	S	S	R			
	P-102.00	Second Floor Plumbing Plan	S	S	R			
	P-201.00	Plumbing Gas Riser Diagram	S	S	R			
	P-202.00	Plumbing Water Riser Diagram	S	S	R			
	P-203.00	Plumbing Sanitary Riser Diagram	S	S	R			
	P-301.00	Plumbing Details	S	S	R			
	P-302.00	Plumbing Specifications	S	S	R			
Food Service	K-1.00	Equipment Plan				S		
	K-2.00	Plumbing Rough-In Plan				S		
	K-3.00	Electrical Rough-In Plan				S		
	K-3.00	Special Conditions				S		

70 Prince St.
Area Of Work

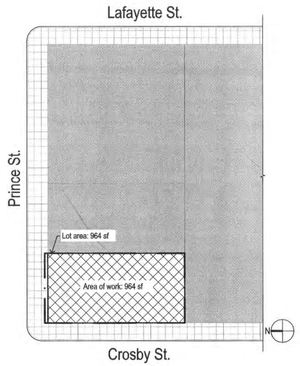


04 Location Map
Scale: N.T.S

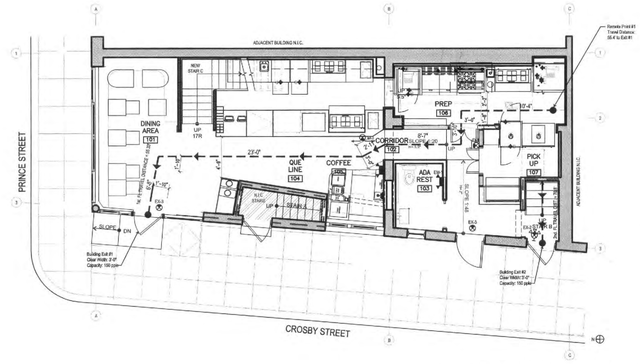


Egress Plan Legend:
- Wall Mounted Emergency Light
- Exit Sign Ctrl Light Combo - 3 head
- Exit Sign Ctr Light Combo - 3 head
- Remote Point
- Direction Indicator
- Primary Path

03 2nd Floor Egress Plan
Scale: 1/8" = 1'-0"



02 Plot Plan
Scale: N.T.S.



01 1st Floor Egress Plan
Scale: 1/8" = 1'-0"

architect / designer:

garrett singer
architecture & design

8 east palisade avenue, loft A
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t.201.541.2400 f.201.541.4199
garrettsinger.com

consultants:

Structural:

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124 Servistar Street
Brooklyn, NY 11220
T 917.378.9376 F 516.908.4506

MEP:

TSF Engineering, P.C.
230 Park Ave. S. Suite 916
New york new york 10003
T 212.253.7303 f 212.253.6512

Food Service:

project:

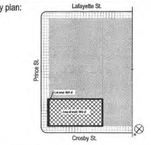
Dig Inn

70 Prince St.
New York, NY 10012

03/24/17	Reissued Bid Set - Revision No. 3
02/27/17	Reissued Bid Set - Revision No. 2
02/08/17	Issue Bid Set - Addendum 1
12/08/16	Issue Bid Set - Revision No. 1
11/15/16	Issue Bid Set

issue progress:

key plan:



seal:

date: 12-08-2016
project no.: 16-17
drawn by: --
checked by: --

sheet title:

Title Sheet

drawing no.

T-001.00

General Notes

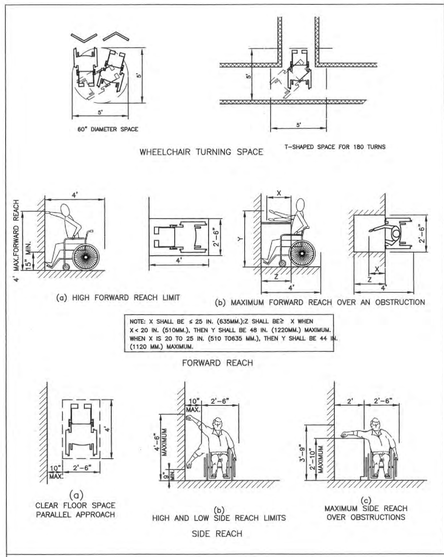
1. All work to be in accordance with any governmental authority having jurisdiction over the project, including the rules and regulations of the city of New York.
2. All work to be in accordance with the rules and regulations of the landlord, including the hours of work, maintaining services to other tenants, access or egress by other tenants and in general not create dirt, dust, noise or other inconveniences for the other tenants of the building.
3. Plumbers and electricians must be licensed by the city of New York.
4. General contractor and sub-contractors must file applications to obtain permits and approvals for their own work and provide to the owner copies of permits prior to start of work and copies of approvals prior to final payment.
5. All plumbing and electric unused and/or related to the former use of the space, shall be removed and capped. all other building services to remain as is, except as required to be modified and restored for the completion of this project.
6. General contractor and sub-contractors shall examine the site before submitting his or her bid proposal, to determine the capability of the existing services including by not limited to hot water, cold water, waste lines, gas service, panels, switches, etc. no additional cost shall be paid by the owner to upgrade these services unless it is indicated on the initial bid proposal.
7. Plumber and electrician to provide temporary services as required for the completion of this project for all trades.
8. These drawings must not be scaled. written dimensions take precedence and shall be verified by the contractor on the job site.
9. General contractor and/or any sub-contractor shall notify the architect of any discrepancies prior to proceeding with any work.
10. All contractors to provide shop drawings to the architect for approval, prior to fabrication and/or installation.
11. HVAC, plumber, electrician shall provide their own cutting, protection, and/or opening of existing walls/floors/ceilings/etc. for their rough in and/or removal work.
12. General contractor and sub-contractors shall provide certificates of insurance naming the owner and landlord for workers' compensation, disability and $5,000,000 liability insurance including completed operations.
13. All work shall be guaranteed against all defects in materials and/or workmanship for a period of one year from date of completion.
14. All wood to be used shall be fire retardant treated wood in accordance with section c27-328 of the NYC building code.
15. All deviations in the scope of work or field condtions will be submitted to the architect for written approval prior to any work to be carried out.
16. No chopping or channeling of the structure or floor slabs during this alteration unless otherwise specified.
17. No rerouting or moving any riser during this alteration.
18. The drawing shall be read in conjunction with Food Service, structural,mechanical,plumbing,electrical and other consultants drawings and specifications and with such other written instructions or sketches as may be issued during the course of the contract. any discrepancy shall be reported to the superintendent and garrett singer architect,pc before proceeding with any work.
19. Contractor shall carefully examine all preparatory work by other trades, structural supports, adjacent construction, both as indicated on Architect's plans, other contractors details, conditions at site and shall report to the Architect in writing any condition which in his opinion, would prevent the satisfactory execution or affect the permanency of work under this contract. The execution of work under this contract shall not be preceded with until all unsatisfactory preparatory or contiguous work has been corrected. Failure to make such an examination and report will be construed as an acceptance by this contractor of all preparatory and contiguous work and later claims will not relieve this contractor from responsibility.
20. All material including, but not limited to, fittings, fixtures, pipes, conduits, wiring, etc, to meet Landlord standards. Substitutions need to be approved before installation.
21. Contractor to coordinate shutdowns of building electrical, plumbing, sprinkler, HVAC, and Fire Alarm systems and receive approval before commencing any work on a daily basis. Hot Work permits to be secured from the Landlord's office of Fire Safety any Hot Work, including, but not limited to, Welding, Soldering, Brazing, Grinding, etc.

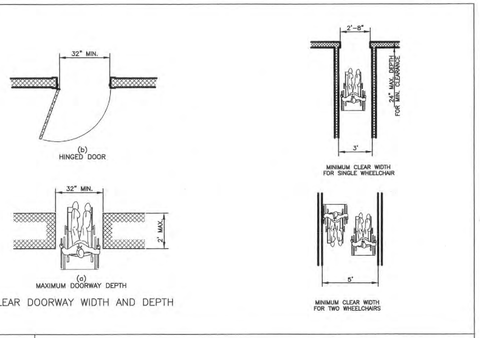
Tenant Safety Notes:

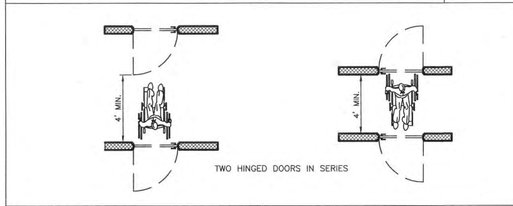
1. General: All Work to be completed in accordance with New York City Building Code, Article 19, and regulations of all other agencies having jurisdiction.
2. Means of Egress: All existing means of egress for tenants of the building to be maintained clear and free of all obstructions, such as building materials, tool, etc.
3. Fire Safety:
   - A. All Building materials which are stored at the site or any area of the building are to be stored in locked area. Access to area to be controlled by the owner, or General Contractor.
   - B. All Materials to be stored in a orderly fashion.
   - C. All flammable materials to be kept tightly sealed in their respective manufactures' containers. such materials are to be kept away from heat.
   - D. All flammable materials to be used and stored in an adequately ventilated space.
   - E. All Electrical power to be shut off where there are exposed conduits.
   - F. All Electrical power in the construction area to be shut off after working hours.
   - G. Contractor, at all times, to ensure there is no natural gas leakage in the buildings, or any flammable gas to be used during construction.
4. Dust Control:
   - A. Debris, dirt and dust to be kept to a minimum and confined to the immediate construction area.
   - B. Contractor to insulate construction area from occupied building area by means of temporary partitions or heavy weight drop cloths.
   - C. Debris, dirt and dust to be cleaned up and cleared from the building site periodically to avoid excessive accumulation.
5. Noise after Hours:
   - A. Construction operations will be confined to normal working hours: 8am to 6pm, Monday thru Friday, except legal holidays.
   - B. Contractor must obtain written permission from all affected parties to work other then regular hours..
6. Construction operations will not involve interruption of heating, water, or electrical service to other tenants.
7. Construction work will be confined to the store interior, and will not create dust, dirt, or other such inconveniences to the other tenants within building.

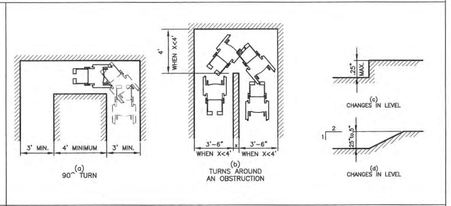
Drawing Legend

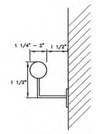
- Existing Construction to Remain
- Existing Fire-Rated Construction to Remain
- Existing Construction to be Demolished or Re-used
- New Construction
- (3) Door Tag
- ROOM 237 — Room Name & Number
- F.R.S.C — Fire Rated Self Closing Door (90 min.)
- 4 A-201 2 — Elevation Number, View Direction, Page Number — Elevation View Tag
- 04 A-501 — Section/Detail Number, Section/Detail Direction, Page Number — Detail/Section Tag
- GYP 10'-0" — Ceiling Material, Ceiling Height — Ceiling Tag
- 12 — Equipment Tag
- XX — Keynote/Finish Symbol
- B — Wall Detail Tag
- 2HR — Fire Stopping Symbol
- Wall Blocking
- Ceiling Height Change
- 01 Building Section, Scale: 1/8" = 1'-0" — Drawing Title and Scale
- Floor Finish Transition Symbol
- 03 A-205 — Detail Bubble
- Third Floor 0'-0" — Elevation Height Tag

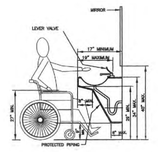


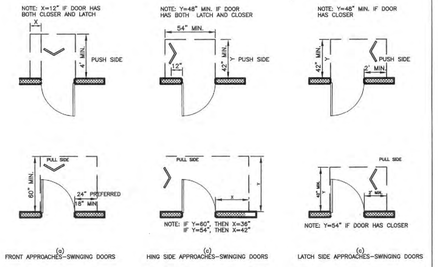


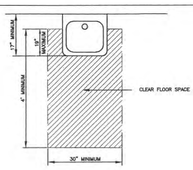


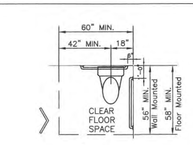


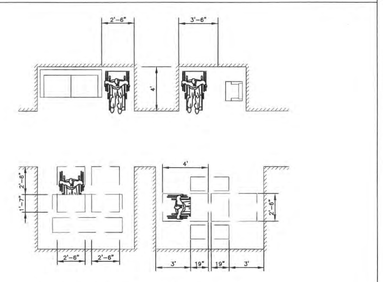












NOTE

1) W.C. FLUSH LEVER TO BE LOCATED ON OPEN SIDE (APPROACH SIDE) OF W.C.
2) INSTALL TOILET TISSUE DISPENSER BELOW GRAB BARS.

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Food Service:

project:

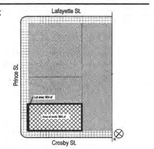
Dig Inn

70 Prince St.
New York, NY 10012

03/24/17	Reissued Bid Set - Revision No. 3 (3)
02/27/17	Reissued Bid Set - Revision No. 2 (2)
02/08/17	Issue Bid Set - Addendum 1
12/08/16	Issue Bid Set - Revision No. 1 (1)
11/15/16	Issue Bid Set

issue progress:

key plan:



seal:

date: 12-08-2016
project no.: 16-17
drawn by: --
checked by: --

sheet title:

Notes & Legend

drawing no.

T-002.00

General Construction

Item	GC		KES		OWNER	
	Furnish	Install	Furnish	Install	Furnish	Install
Interior Partitions	●	●				
Gyp Board Soffits, Ceilings	●	●				
Suspended Ceilings	●	●				
Doors & Hardware	●	●				
Insulation	●	●				
Fire Proofing	●	●				
Construction Barrier	●	●				
Paint	●	●				
Graphics		●			●	
Finishes	●	●				
Tile	●	●				
Wood Paneling	●	●				
BOH Fl.	●	●				
FOH Fl.	●	●				
Storefront System	●	●				
Glazing	●	●				
Staintless Steel Paneling	●	●				
Wall Blocking	●	●				
Cement Board	●	●				
Structural Steel	●	●				
Exhaust Hood	●	●				
Glass Partition	●	●				
Glazing	●	●				
Steel Frame	●	●				
Signage	●	●				

FFE

Item	GC		KES		OWNER		OTHER	
	Furnish	Install	Furnish	Install	Furnish	Install	Furnish	Install
Cabinetry & Millwork	●	●						
Dining Tables					●	●		
Dining Seating					●	●		
Dining Banquette		●						
Office Shelving	●	●						
Bookshelf	●	●						
Service Line	●	●						

KITCHEN

Item	GC		KES		OWNER		OTHER	
	Furnish	Install	Furnish	Install	Furnish	Install	Furnish	Install
Kitchen Equipement			●	●				
Walk In Box			●	●				
FRP	●	●						
Beer / Wine			●	●				
Staintless Steel Paneling	●	●						
Ansul		●					●	●
Coffee Equipment		●					●	●
Dishwasher		●					●	●
Kitchen Hoods	●	●						

MECHANICAL

Item	GC		KES		OWNER		LL		OTHER	
	Furnish	Install	Furnish	Install	Furnish	Install	Furnish	Install	Furnish	Install
Wall Penetrations	●	●								
Structural Support	●	●								
HVAC Units	●	●								
Exhasut Fan units	●	●								
Ductwork	●	●								
Thermostats	●	●								
Registers	●	●								
Mua and Exhaust	●	●								

ELECTRICAL

Item	GC		KES		OWNER		LL		OTHER	
	Furnish	Install	Furnish	Install	Furnish	Install	Furnish	Install	Furnish	Install
Dimming	●	●								
Meter	●	●								
Telephone	●	●								
Light Fixtures	●	●								
POS		●			●					
Kitchen Equipment Connect		●								
A/V	●	●								
Electric Service	●	●								

PLUMBING

Item	GC		KES		OWNER		LL		OTHER	
	Furnish	Install	Furnish	Install	Furnish	Install	Furnish	Install	Furnish	Install
Water Meter	●	●								
Water Heater	●	●								
Kitchen Eq. Sinks		●	●	●						
Kitchen Eq. Faucets		●	●	●						
Water Filters	●	●								
Floor Sinks	●	●								
Floor Drains	●	●								
Grease Trap	●	●								
Water Service	●	●								
Mop Sink	●	●								
Restroom Fixtures	●	●								

SPECIALTY

Item	GC		KES		OWNER		LL		OTHER	
	Furnish	Install	Furnish	Install	Furnish	Install	Furnish	Install	Furnish	Install
Security System	●	●								
Audio System	●	●								
Safe					●				●	
Wi-Fi		●			●					
Menu Board		●			●					
Toilet Accessories	●	●								
Art		●			●					
Mirrors	●	●								

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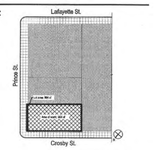

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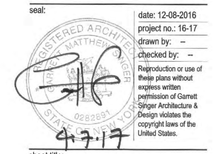

date: 12-08-2016
project no.: 16-17
drawn by: --
checked by: --

sheet title:

Responsibility Matrix

drawing no.

T-003.00

Flood Zone Statements

1. Flood statement:

Property is not in Special Flood Hazard Area.

LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A	No Base Flood Elevations determined.
ZONE AE	Base Flood Elevations determined.
ZONE AH	Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
ZONE AO	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR	Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
ZONE A99	Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V	Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X — Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X — Areas determined to be outside the 0.2% annual chance floodplain.

ZONE D — Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

- 1% annual chance floodplain boundary
- 0.2% annual chance floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
- 513 — Base Flood Elevation line and value; elevation in feet*
- (EL 987) — Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the National Geodetic Vertical Datum of 1929

- A — A — Cross section line
- 23 — 23 — Transect line
- 87°07'45", 32°22'30" — Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
- 2°76°000'N — 1000-meter Universal Transverse Mercator grid values, zone 18
- 600000 FT — 5000-foot grid ticks: New York State Plane coordinate system, Long Island zone (FIPSZONE 3104), Lambert Conformal Conic projection
- DX5510 × — Bench mark (see explanation in Notes to Users section of this FIRM panel)
- ●M1.5 — River Mile

MAP REPOSITORY
Refer to listing of Map Repositories on Map Index

INITIAL NFIP MAP DATE
June 28, 1974

FLOOD HAZARD BOUNDARY MAP REVISIONS
June 11, 1976

FLOOD INSURANCE RATE MAP EFFECTIVE
November 16, 1983

FLOOD INSURANCE RATE MAP REVISIONS
September 5, 2007 - to change Special Flood Hazard Areas, to reflect updated topographic information, and to update map format

To determine if flood insurance is available in this community, contact your Insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 500'

250 0 500 1000 FEET

150 0 150 300 METERS

70 Prince St.
Area of Work

70 Prince St.
Area of Work

NFIP NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0201F

FIRM

FLOOD INSURANCE RATE MAP

CITY OF
NEW YORK,
NEW YORK
BRONX, RICHMOND, NEW YORK,
QUEENS, AND KINGS COUNTIES

PANEL 201 OF 457

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
NEW YORK, CITY OF	360497	0201	F

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
3604970201F

MAP REVISED
SEPTEMBER 5, 2007

Federal Emergency Management Agency

NFIP NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0201G

FIRM

FLOOD INSURANCE RATE MAP

CITY OF,
NEW YORK
NEW YORK
BRONX, RICHMOND, NEW YORK,
QUEENS, AND KINGS COUNTIES

PANEL 201 OF 457

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
NEW YORK, CITY OF	360497	0201	G

PRELIMINARY
DECEMBER 5, 2013

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
3604970201G

MAP REVISED

Federal Emergency Management Agency

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Food Service:

project:

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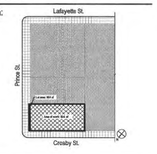
11/15/16	Issue Bid Set

issue progress:

key plan:



seal:

date:	12-08-2016
project no.:	16-17
drawn by:	--
checked by:	--

sheet title:

Flood Zone

drawing no.

T-004.00

Demolition Plan General Notes:

A During the course of demolition, if asbestos is present, contractor is to notify the Owner & Owner's architect immediately. Asbestos investigation is required prior to the commencement of any work and is to be filed with the NYC DOB.

B Verify all existing conditions prior to commencement of work and notify architect of any discrepancies.

C Contractor to remove all debris and rubbish from the project site on a regular basis. Debris shall be dumped only in approved dumping site. No asbestos removal to be conducted in this contract.

D Dust control: (1) debris, dirt, and dust to be kept to a minimum and confined to the immediate construction area.
(2) contractor to isolate construction area from occupied building areas by means of temporary partitions or heavy weight drop cloths.
(3) debris, dirt, and dust to be cleaned up and cleared from the building site periodically to avoid excessive accumulation.
(4) debris, dirt, and dust to be removed through store entrance.

E Do not demolish any load bearing walls, columns, or construction that will compromise the structural integrity of the structure or building. Notify the Architect with any structural issues arising from demolition.

F Remove and cap all existing electrical conduits throughout per electrical code requirements.

G Coordinate all demo work with MEP drawings.

H GC is to orderly stack on site, protect from damage, keep clean, and minimize damage to all areas, fixtures and materials.

I Notify the building if there is any connecting/disconnecting to/from existing building fire alarm or if any work will impact building fire alarm systems and devices.

J Demolition is not to disturb or block any means of egress, exit signage, emergency lighting, fire alarm and fire protection equipment. Demolition is not to disturb any adjacent tenants or utilities and is to follow landlord and building rules and regulations as required.

K Contractor to complete all demolition as noted in plans.

L Remove all existing dead pipes.

M Provide adequate temporary lighting and electrical power in all areas for all trades, throughout the duration of the job.

N Demolish all existing coolant piping and equipment that is not used for new installation.

O Demolish all existing un-used anchors, struts, straps, hangers, and hardware in floors, walls, and ceilings.

P Demolish all existing drain and vent piping that is unused.

Q Demolish all un-used fire alarm devices and cables throughout.

R Prepare building fire alarm panel for new installations.

S Demolish all existing damaged studs determined to be unusable for new installations

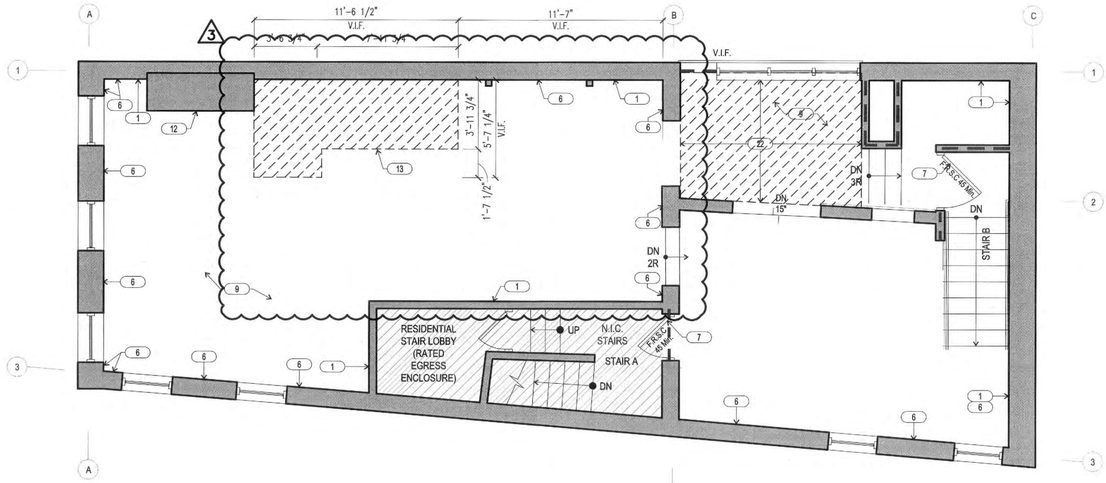
T Provide temporary water source & drain adequate for all trades, throughout duration of job.

Demolition Plan Key Notes

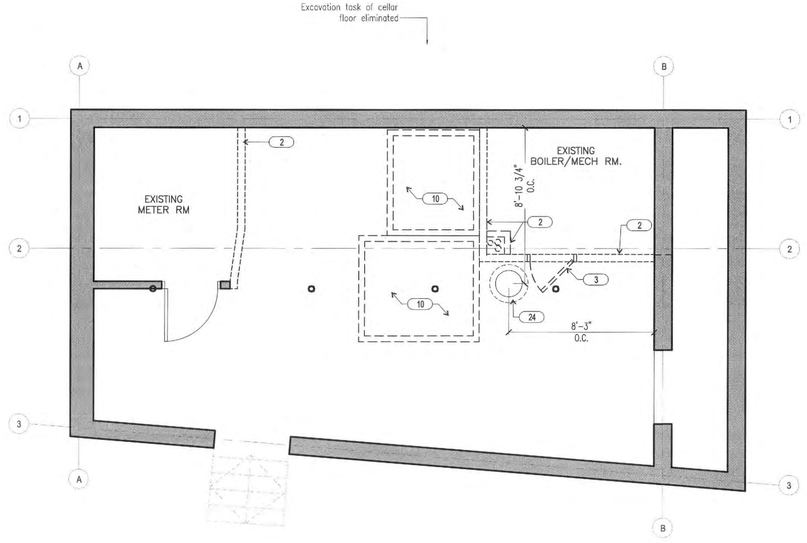
1 Existing rated demising wall to remain.
2 Remove existing interior, non-load bearing partition.
3 Remove existing door & door frame. Save & re-use door.
4 OPEN
5 Remove existing platform, patch and repair existing subfloor for new floor finish.
6 Expose and clean existing brick. Bring brick façade back to original conditions. Repaint and apply a clear breathable seal.
7 Existing fire-rated door to remain
8 Remove existing access hatch
9 Provide alternate price to remove ceiling assembly and replace with 2HR FR UL Assembly.
10 Remove existing walk-in-box
11 Canceled
12 Existing fireplace to remain
13 Remove existing subfloor and wood framing for stair opening. Opening dimensions shall be coorinated with stair drawings and structural details. GC responsible for opening size to accommodate the complete stair design and all finishes.
14 Canceled
15 Remove existing masonry fireplace, patch and repair existing masonry wall as required
16 Remove existing concrete curb, patch/repair floor as required.
17 OPEN
18 Remove existing grease trap.
19 Open
20 Remove existing floor sink.
21 Relocate existing plumbing riser and cap all access piping as required.
22 Remove existing sub floor and floor joists in its entirety. Prep area to receive new sub floor & joist. Provide temporary support as required prior to new construction. Revised height per 01/A-100
23 Remove existing floor finish. Existing sub floor to remain.
24 Excavate for location of ejector pit, coordinate with plumbing plans.
25 OPEN
26 Remove all stub-ups from existing floor. Patch & repair floor as required. Prep area to receive new finishes.
27 OPEN
28 OPEN
29 OPEN
30 Remove existing walk in gate.

Demolition Plan Legend:

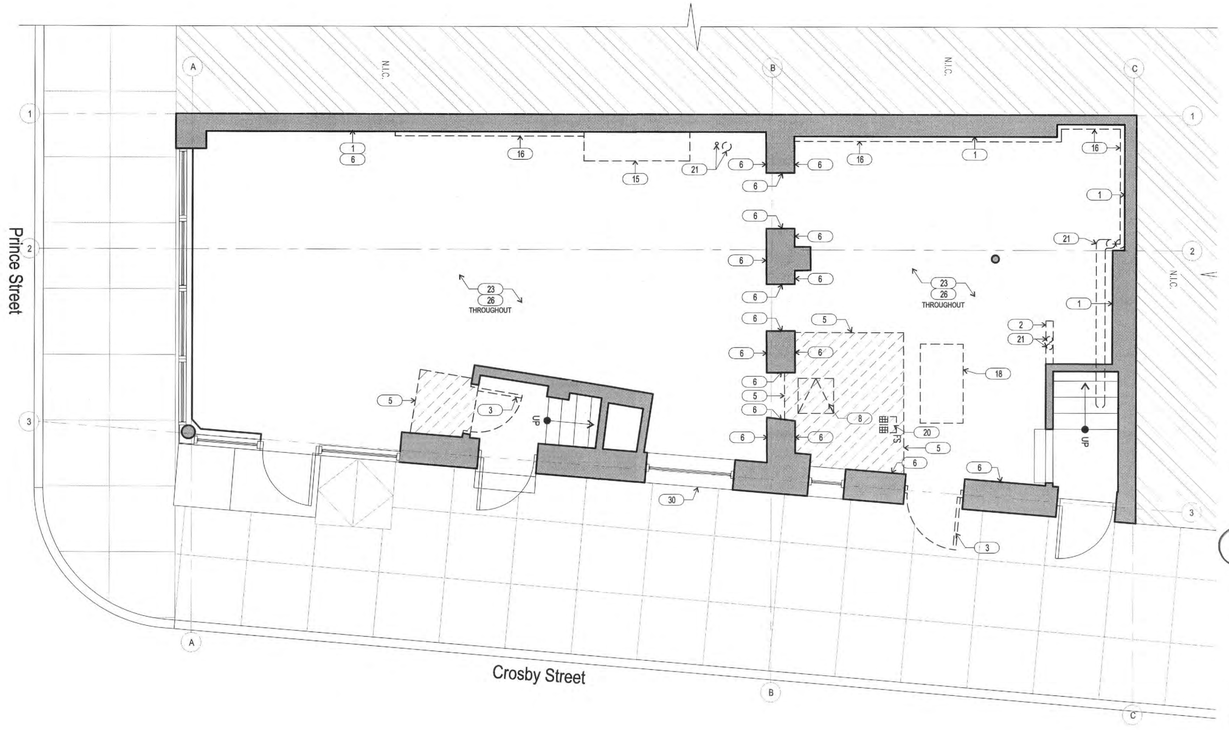
- Demolish
- Existing to remain
- Finish of new excavated floor
- Rough cut of existing concrete



03 2nd Floor Demolition Plan
Scale: 1/4" = 1'-0"



02 Cellar Demolition Plan
Scale: 1/4" = 1'-0"



01 1st Floor Demolition Plan
Scale: 1/4" = 1'-0"

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issue progress:

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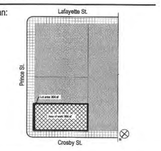


seal:

date: 12-08-2016
project no.: 16-17
drawn by: --
checked by: --

sheet title:

Demolition Plan

drawing no.

DM-101.00

Construction General Notes:

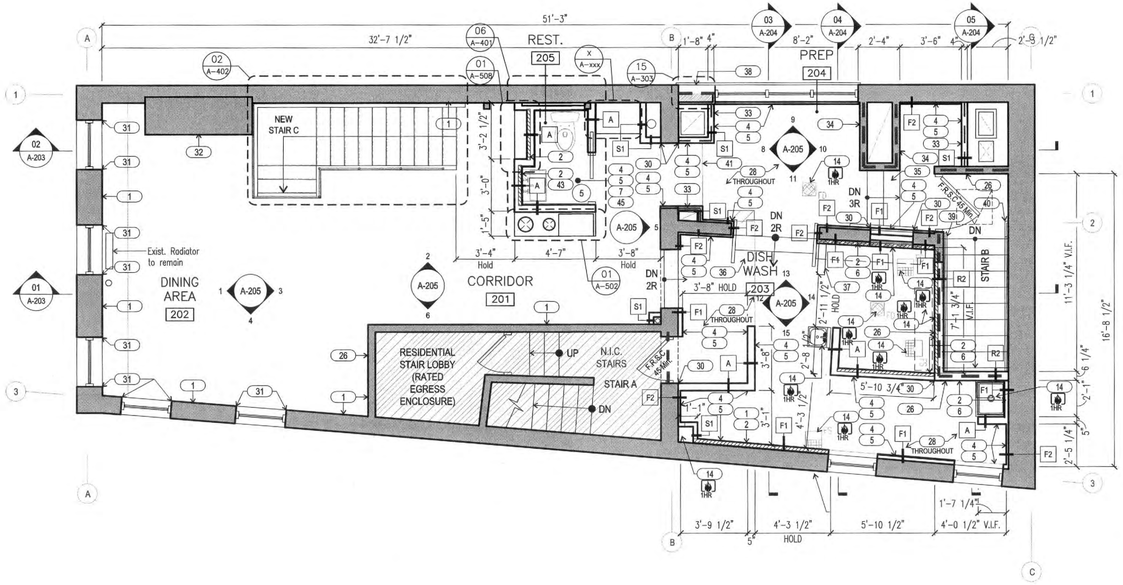
A	Coordinate layout installation of blocking and reinforcement in partitions for support of all kitchen equipment, millwork/cabinets, TVs, wall-mounted fans, lighting, large mirrors and artwork.
B	All existing & new penetrations of floor & ceiling slabs & demising walls are to be firestopped and are to conform with fire stopping details on A-302. Contractor to present means and methods with fire stopping product data prior to installation to architect for review. G.C. to notify a mininum of 48 hours in advance fire stopping is to be performed so that controlled inspector can be present to observe installation process.
C	Contractor must provide 24hr notice to the building for after-hours work.
D	New kitchen equipment, see Food Service drawing, A-701. Any discrepancies bring to the attention of the Architect prior to wall framing, floor framing, and roughing utility work
E	See finish schedule for floor finish application, A-102
F	Any floor work, the contractor must investigate the existing sub floor and repair existing conditions prior to installation of new flooring
G	Existing structural bldg components (columns, beams, trusses) to remain. Maintain or provide req'd rating as req'd by local codes

Construction Plan Key Notes:

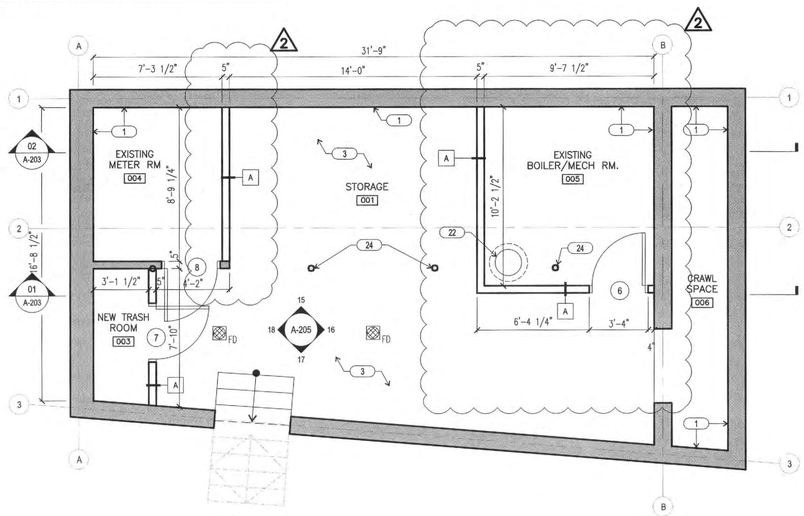
1	Existing demising/party wall to remain. Patch and repair as required. Uprgrade to 2hr enclosure where required.
2	Wall blkg to be 3/4" thick fire retardant plywood. All wall blocking shall be concealed and securely attached to wall framing with-in walls, behind gyp. Bd and/or finishes. Blocking lengths shown at a minimum, always extend past to the nearest stud in each direction. Coordinate w/ Food Service Drawings or Millwork for exact heights and locations. Refer to interior elevations and ADA mounting schedule and specs for additional information
3	OPEN
4	Provide continuous 12" high 5/8" Durock sheet @ base of wall. At existing walls attach Durock directly to wall see DTL 8/A-301
5	Full height moisture and mold resistant board. USG sheet rock brand mold tough gypsum panel 5/8" thick purple board
6	Provide full height 1/2" thick Durock cement board
7	Provide full wall depth & HT Batt Insulation
8	New wall mounted wood shelving to be anchored into existing masonry wall with masonry anchor bolts. Use Hilti epoxy embedded bolts if necessary
9	New floor sink w/ sanitary cove, see DTL 4/A-301
10	New floor drain, see DTL No. 10 & 15 on sheet A-301. Slope 1/16" per foot to drains
11	Millworker/Contractor to scribe & shim base as necessary to provide a level countertop
12	Relocate and re-use existing door in mechanical room
13	Line of new exhaust hood above. Coordinate with exhaust hood installer
14	New penetration for plumbing piping, install firestopping, see DTL No. 02 & 03 on sheet A-302.
15	Existing storefront to remain. Paint per elevations, Sheet A-202
16	G.C. to remove temporary construction barricade at completion of project. Coordinate timing of barricade with client.
17	Banquette provided by owner.
18	Furring raised off of floor to run gas pipe below, see detail 1/A-303
19	Milwork provided by owner.
20	Remove portion of sheetrock to install new concealed blocking. Replace sheetrock to maintain existing fire rated wall and soffit
21	Install cap at low height wall guard rail, see detail 8/A-303

Construction Plan Key Notes: Continued

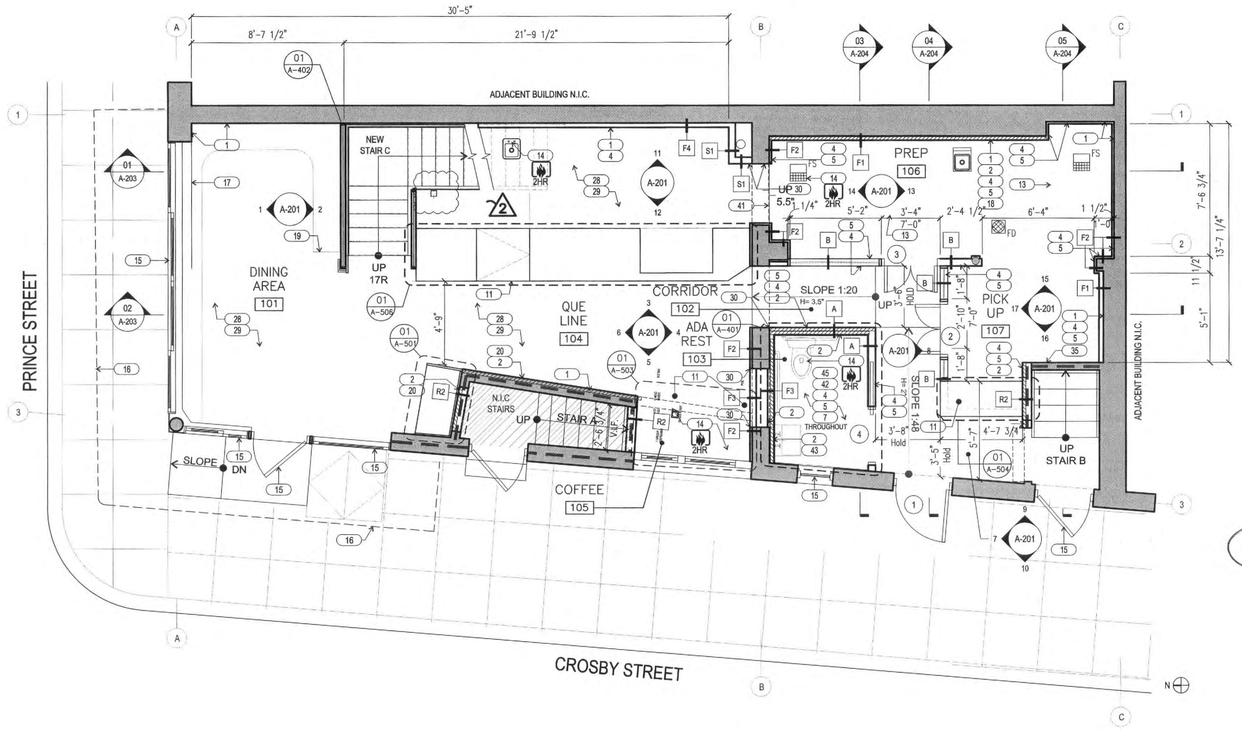
22	New ejector pit, refer to plumbing drawings for additional information
23	New railing
24	Existing columns and footings. Relocate as needed to match desired locations. Provide new columns and footings in place of existing columns where required. See structural plans for details.
25	Hatched area indicates portion of floor to be sloped with a slope of 1:20
26	Existing wall enclosure to be upgraded to a 2hr rated wall assembly (UL Design No.301)
27	New galvanized steel rail. Refer to 03-04/A-202. Color as indicated at A-202 and approved by Architect.
28	Provide alt price to remove existing sub and replace with (2) layers 1/2" tongue and groove plywood, staggered, installed perpendicular to joist.
29	Patch and repair existing sub-floor as required to make it acceptable for new proposed finished floor
30	Align new partition with finish of adjaced wall
31	Restore wood window trim, Refer to detail No. 05 on sheet A-602.00
32	Existing fireplace to remain, see A-201 for finishes
33	2 hour fire rated mechanical shaft, refer to M-102 for duct sizes
34	Existing shaft to remain, patch and repair to achieve 2 hour fire rating
35	Existing stair to remian, patch and repair as required.
36	New wood frame stairs. Refer to detail No. 14 on sheet A-301.00
37	New curb, see detail 7/A-303
38	Portion of window to be removed and patched up. Exterior façade to match exisiting. See detail No. 15 on sheet A-303.00.
39	Elongate existing rail to meet corner of walls
40	Elongate existing rail 12" beyond tread
41	Apply 3M Safety Walk slip resistance tape 600 series color: #630 safety yellow at floor change level (Typical)
42	New sub floor: (2) layers of 1/2 tongue and groove plywood, staggered, installed perpendicular to joist. Installed on existing joist.
43	G.C. to provide and install bracket for wall mounted sink support.
44	Existing radiators to remain.
45	G.C. to prepare plywood subfloor with heavy felet paper followed by exposed metal lath (2.5 ga screwed 12" o.c.)



03 2nd Floor Construction Plan
Scale: 1/4" = 1'-0"



02 Cellar Construction Plan
Scale: 1/4" = 1'-0"



01 1st Floor Construction Plan
Scale: 1/4" = 1'-0"

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Food Service:

project:

Dig Inn

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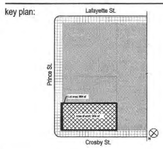
11/15/16	Issue Bid Set

issue progress:

key plan:



seal:

date: 12-08-2016
project no.: 16-17
drawn by: --
checked by: --

sheet title:

Construction Plan

drawing no.

A-101.00

Finish Plan General Notes:

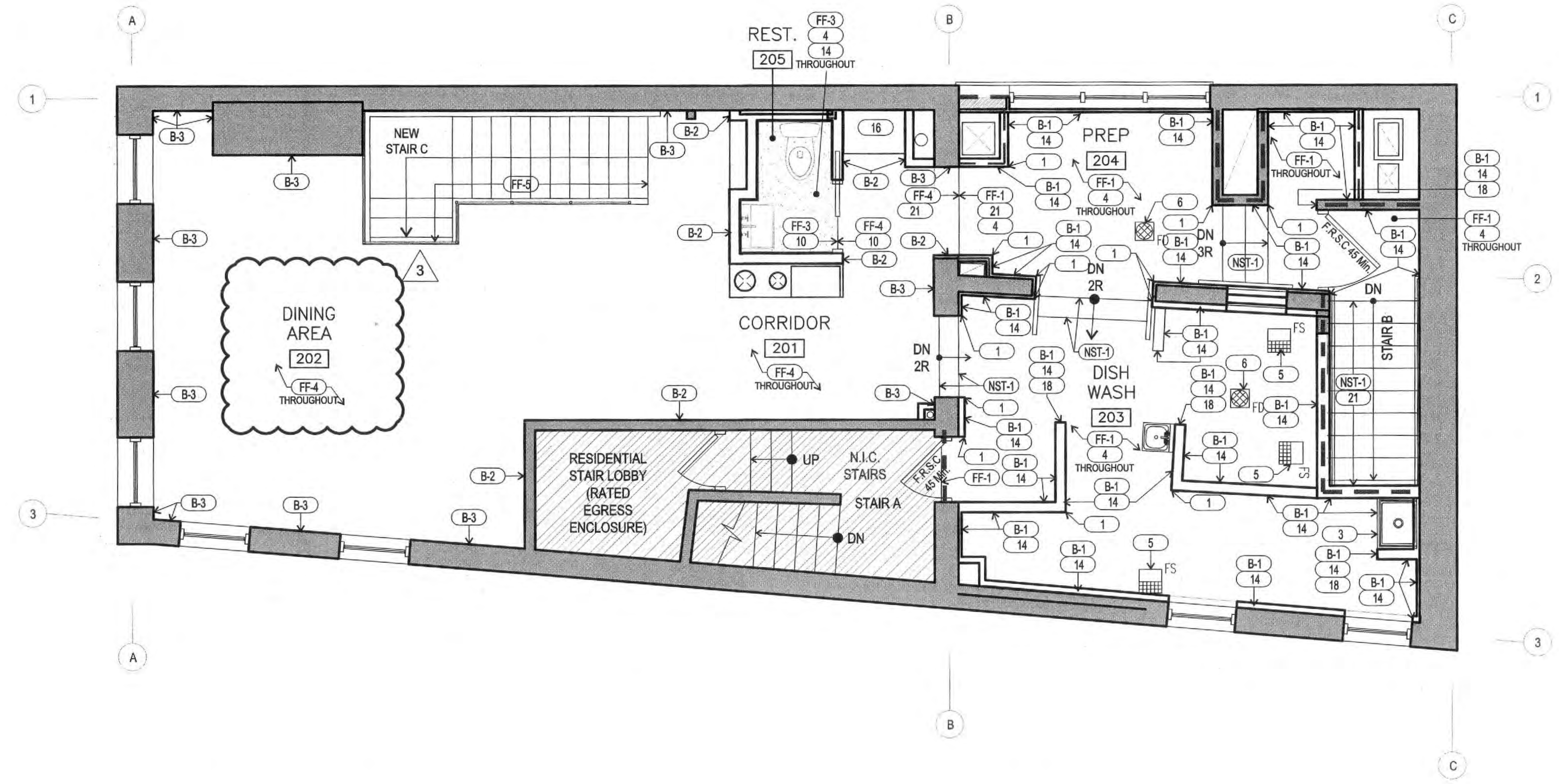
A. Finish Schedule is to be coordinated with finish plans and elevations. Should discrepancy occur contractor to issue the more expensive option. Also, prior to purchasing and preparation of work, contractor to bring to the Architect's attention the discrepancies

Finish Plan Key Notes:

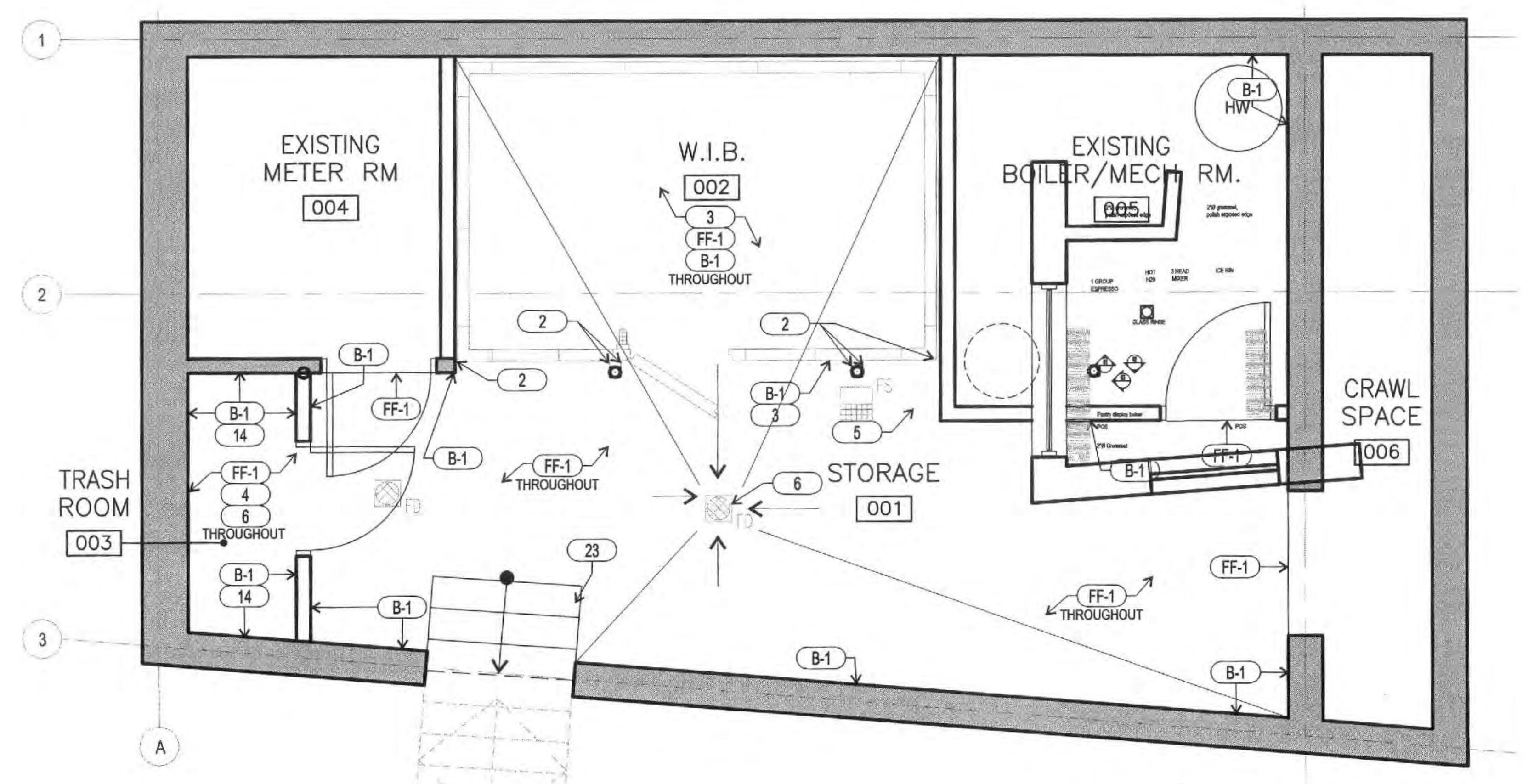
1. Floor to clg high typ 16 ga. 3" S/S corner guard
2. Floor to ceiling high S/S corner guard. (At gap between W.I.B. and wall, secure to wall & tight to W.I.B - V.I.F. gap size and size S/S corner guard accordingly)
3. Install finish floor after W.I.B. & mop sink are installed. Apply cove base up S/S wall of W.I.B. & mop sink.
4. Provide waterproof membrane
5. Floor sink location, see det. 04/A-301 for cove detail
6. Floor drain location, see det. 10/A-301. Slope 1/16" per foot to drains
7. Floor transition, Ceramic Tile to Exterior, see det. 05/A-301
8. Floor transition, Ceramic Tile to Quarry Tile, see det. 07/A-301
9. Floor transition, Bommanite to Ceramic Tile, see det. 06/A-301
10. Floor transition, Wood to Bommanite, see det. 20/A-301
11. Millworker/Contractor to scribe & shim base as necessary to provide a level countertop.
12. Floor transition, Wood to Quarry Tile, see det. 21/A-301
13. OPEN
14. Provide water proofing up wall 12". Refer to detail 08/A-301
15. Paint existing concrete base to match storefront
16. See A-502 for Millwork finishes
17. Provide steel shelving including steel standards, brackets and steel shelves; "FastTack" by Rubbermaid or equal.
18. Cap end partition with 8' high, typ. 16 ga. S/S guard
19. Install brass Schluter strip at outside corner condition
20. Tile floor pattern to align with demising wall and Crosby St.
21. Provide alt price for non slip tread
22. Raise finish floor to align with transition to FF-2
23. Apply 3M safety walk slip resistance tape 600 Series #630 Safety Yellow at nosing of new stair. (Typ.)

Finish Material List

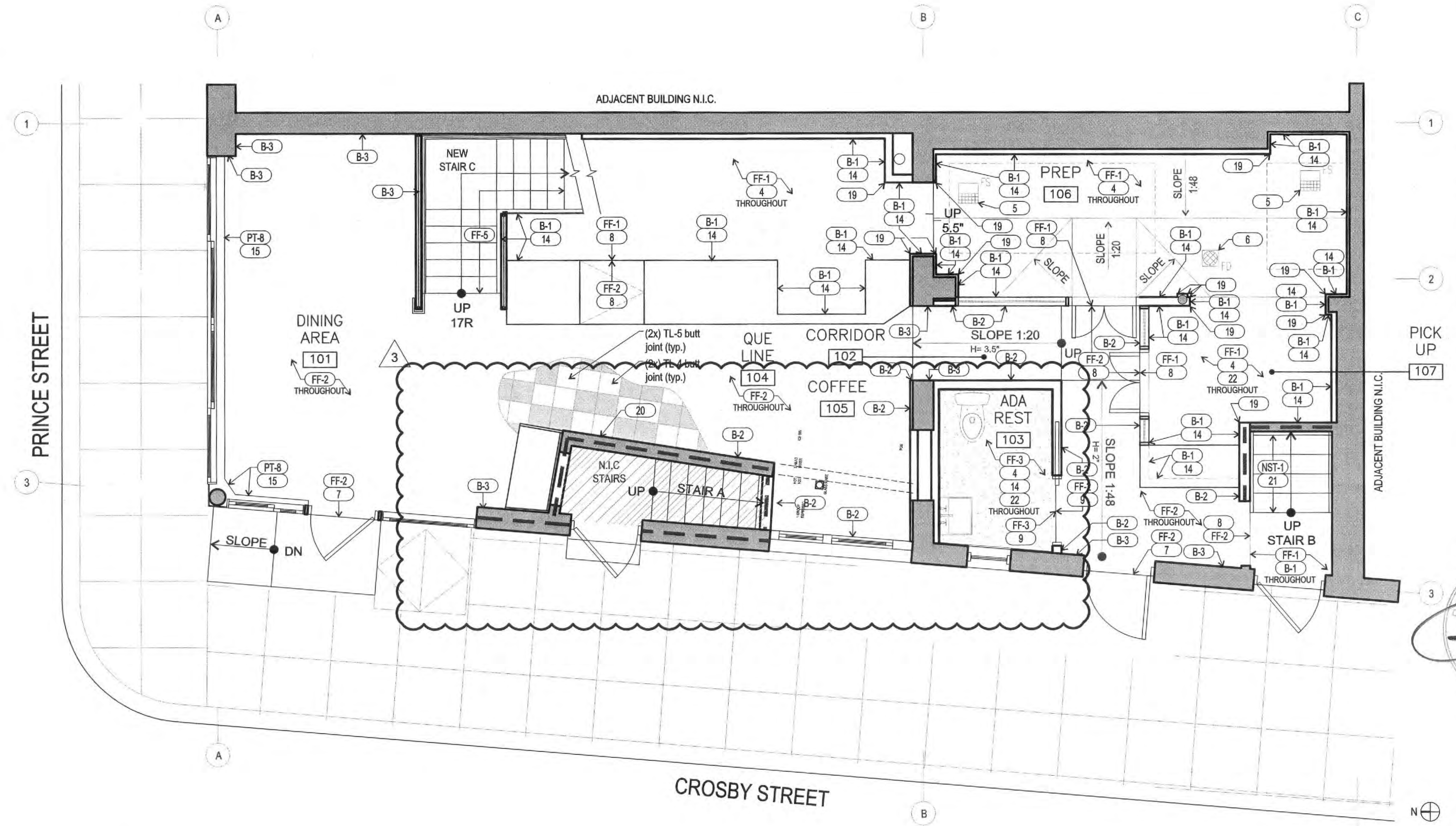
Item	Description	Manufacturer	Specification	Remarks	Finish Class	Contact	Contact:
ACT	Acoustic Ceiling Tile	Armstrong	Kitchen Zone - Smooth texture Lay In	Install with w/ Prelude 15/16" suspension system.			
B-1	Cove Base Tile	Daltile	Grey Paver - Q85 (Smooth Surface)	Cove base shall be installed flush with floor tile.			
B-2	Wood Base Moulding	Dykes Lumber (or Similar)	6" x 3/4" square profile	Painted PT-2			
B-3	Wood Base Moulding	Dykes Lumber (or Similar)	6" x 3/4" square profile	Painted PT-2			
B-4	Stone Base	Ceasarstone	5111 Statuario Nuovo	Honed			
B-5	Stone Base	Ceasarstone	5111 Statuario Nuovo	Honed			
B-6	Stone Base	Ceasarstone	5111 Statuario Nuovo	Honed			
B-7	Stone Base	Ceasarstone	5111 Statuario Nuovo	Honed			
FF-1	Paver Tile	Daltile	Grey Paver - Q85 (Smooth Surface)				
FF-2	Ceramic Tile	Casalgrande Padana	Marte - Granitogres (COLOR & FINISH TBD)	2 color pattern installed with no joint spacing per pattern on A-103			
FF-3	Marble Resin	Mariotti Tile	Calacatta	Honed Finish			
FF-4	Wood Floor	Existing		Sand and Refinish			
FF-5	Micro- Top	Bommanite	Nickel Gray				
FRP-1	Fiberglass reinforced plastic wall covering	Marlite	Standard FRP, P100 White	See axon for all required trim pieces, no exceptions allowed for trim components. Refer to 03/A-301	Class A		
PT-1	Plaster	USG, Keen Cement	White	Apply Thin coat to masonry, Consult architect for installation method.			
PT-2	Paint	Benjamin Moore	Flat - White, 54701	Flat Finish			
PT-2A	Paint	Benjamin Moore, DTM	Low Lustre - White, P2301	Low Lustre Finish			
PT-3	Paint	Tiger Drylac	RAL TBD - Color to match STN-3	Flat Finish			
PT-4	Paint	Tiger Drylac	RAL 7021 - Black	Flat Finish			
PT-5	Paint	Custom	White/Gray Faux Plaster Finish	Eggshell Finish		Oliphant Studio	Rentals@ostudio.com / (718) 497-4500
PT-6	Paint	Benjamin Moore	Super White / Int Room	Semi gloss			
PT-6A	Paint	Benjamin Moore DTM	Super White / Int Room	Semi gloss			
PT-7	Exterior Paint	Benjamin Moore	Distant Gray 2124-70	Semi Gloss (PAINT SAMPLE TO BE APPROVED BY CLIENT)			
PT-8	Paint	Benjamin Moore	Distant Gray 2124-70	Semi Gloss (PAINT SAMPLE TO BE APPROVED BY CLIENT)			
PT-9	Paint	Tiger Drylac	RAL TBD - Color to match STN-4	Flat Finish, Submit sample for final approval			
PT-10	Paint	Tiger Drylac	RAL 9003 - White	Flat Finish, Submit sample for final approval			
PT-11	Paint	Benjamin Moore	TBD - Color to match STN-4	Flat Finish, Submit sample for final approval			
PT-12	Paint	Benjamin Moore	TBD - Color to match STN-2	Flat Finish, Submit sample for final approval			
PT-13	Paint	Benjamin Moore	TBD - Color to match STN-3	Flat Finish, Submit sample for final approval			
PT-14	Paint	Tiger Drylac	RAL TBD - Color to match PT-7	Flat Finish, Submit sample for final approval			
STN-1	Stone Countertop	Ceasarstone	5111 Statuario Nuovo	Honed			
STN-2	Stone Countertop	Ceasarstone	5111 Statuario Nuovo	Honed			
STN-3	Stone Countertop	Ceasarstone	5111 Statuario Nuovo	Honed			
STN-4	Stone Countertop	Ceasarstone	5111 Statuario Nuovo	Honed			
SS-1	Stainless Steel						
TL-1	Wall Tile	Artistic Tile	White Ice Matte #U281 4-1/4"x4-1/4"	w/ GRT-1 (1/4" Seams)			
TL-2	Ceramic Wall Tile	Maiolica	Tender Gray 4"x10" malw761-410	Installed per A-401 w/ GRT-2 (1/8" Seams)			
TL-3	Ceramic Wall Tile	Daltile	Finesse Bright White 3"x6"	Installed per A-401 w/ GRT-2 (1/8" Seams)			
TL-4	Ceramic Tile	Casalgrande Padana	Marte - Granitogres (COLOR & FINISH TBD)	See A-103 for intallation			Provided by Client - Contact client for delivery
TL-5	Ceramic Tile	Casalgrande Padana	Marte - Granitogres (COLOR & FINISH TBD)	See A-103 for intallation			Provided by Client - Contact client for delivery
GRT-1	Grout	Laticrete	22 Midnight Gray	Apply with TL-1			
GRT-2	Grout	Laticrete	Sterlinf Silver	Apply with TL-2/3			
GL-1	Reeded Glass	Wolverine Glass	1/2" Reeded	1/2" Thick, GC to submit sample for approval			
NST-1	Non-slip tread	Amstep	Series 700	Anti-slip safety stair treads for renovating stairs			
MTL-1	Perforated Sheet	McNichols	18 Guage Galvanized, 1/2" round on 11/16" staggered	Painted PT-10			
WD-1	Tambour Sheet Half Round Slats	Omega National Products	Red Oak - NPSW15 O	See Millwork elevations for Paint color			
WD-2	Wood, White Oak	GC to select	1/2" Flat sawn white oak venneer on plywood or mdf core	Finished with Rubio Monocoat - Cotton White. GC to submit sample for approval.			



03 2nd Floor Finish Plan
Scale: 1/4" = 1'-0"



02 Cellar Finish Plan
Scale: 1/4" = 1'-0"



01 1st Floor Finish Plan
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11/15/16	Issue Bid Set

issue progress:

key plan: Lafayette St. Prince St. Crosby St.

seal:

date: 12-08-2016
project no.: 16-17
drawn by: --
checked by: --

sheet title:
Finish Plan

drawing no.
A-102.00

Reflected Ceiling Plan General Notes:

A Coordinate light fixture and sprinkler head with new air handler unit. See Mechanical & Sprinkler drawings.
B Fire suppression to be filed separately.
C Install acoustical ceiling tile (ACT-1) as per detail No. 13on sheet A-303.00
D Install suspended G.W.B. ceiling as per DTL 02/A-303
E Coordinate all work with MEP engineering drawings and documents.
F Contractor to confirm lighting fixture count with plan. Contractor to notify architect of any discrepancies. Confirm lighting locations with design/architect on site.
G Contractor to provide power and circuit for lights. Final locations to be coordinated in field.
H Provide independent support for light fixtures.
I All exposed conduit to be painted to match adjacent finish surface.
J Patch and repair existing plaster beam enclosures to accommodate new finishes
K All risers, exposed or concealed, piping, refrigerant lines and conduits to be coordinated with Architect prior to installation.

Reflected Ceiling Plan Key Notes

1 Existing ceiling to remain.
2 Line of kitchen exhaust hoods. Lighting provided by KES and installed by GC.
3 Pendant locations to align with center of tables.
4 KES to suply 4 jelly jar light fixtures. GC to install.
5
6 Suspended shelving provided byGC. GC to provide provide blocking per detail 02/A-505. GC to install shelving.
7
8 Install Suspended GWB ceiling per detail 02/A-303
9 Install GWB ceiling per detail 11/A-303.00.
10
11 Existing roll down fire gate to remain.
12 Install 2HR GWB ceiling per detail No. 12 on sheet A-303.00
13 New Soffit at Basement. Refer to detail No. 14 on sheet A-303.00
14 Dashed line indicates new 2hr rated stair enclosure above finished ceiliing.
15 New arch, see elevation 05/A-201
16 Wall mounted air handler, Coordinate with mechanical plans
17 Air curtain suspended above door with kindorf, see A-201 for mounting height and coordinate with Mech. Plans/specifications.
18 Glass smoke soffit
19 New Gypsum ceiling through out the underside of existing joists. Refer to 10/A-303.
20
21 Draft curtain of non-combustible material, at least 24" down from the ceiling to provide separation of the cooking facility from the dining space. Provide sprinkler heads constructed in accordance with the provisions of subchapter seventeen of the NYC DOB 1968 code. Sprinklers to be installed on the cooking facility side of the curtain, or any opening between the kitchen and dining space, sprinkler heads to be located within 24" of the curtain and spaced not more than 48" on center. See DTL 4/A-303
22 Draft curtain of non-combustible material, at least 24" down from the ceiling to provide separation of the cooking facility from the dining space. Provide sprinkler heads constructed in accordance with the provisions of subchapter seventeen of the NYC DOB 1968 code. Sprinklers to be installed on the cooking facility side of the curtain, or any opening between the kitchen and dining space, sprinkler heads to be located within 24" of the curtain and spaced not more than 48" on center. See DTL 16/A-303
23 Existing hatch to remain.
24 Fire rated penetration within mechanical shaft. See details A-302.
25 Soffit to align with bottom of tin ceiling
26 Existing tin ceiling to remain

Lighting Fixture Schedule

Type	Mounting	Manufacturer	Model No.	Description	Finish	Volt	Lamp No.	Lamp Watts	Lamp Type/Spec	Remarks	fixture/linear feet total	Bulbs total	total Watts	Vendor
A	Surface Mount	Lightology	Dau Spot Ceiling Flush Mount	Cube ceiling mount	White	120	1	75	Incandescent		33	33	2475	GC
B	Surface Mount	Lightology	Dau Spot Ceiling Flush Mount	Cube ceiling mount	White	120	1	75	Incandescent		30	30	2250	GC
C	Surface Mount	SLV	Enola_B Spot	No Trim Mono Point	White	120	1	6	LED		8	8	48	GC
C1	Surface Mount	Bitro	T-luxe Series TST	Linear Bar	White				LED	2700 K	30 LF			OTHER
H	Pendant	Hatco	DLH-775-RL	Heat Lamp	TBD	120	1	375			9	9	3375	KES
F	Pendant	Michele Varian	Pendant	Leather Pendant Light Tan		120	1	40	E26	Custom Stem to finish fixture at 8' AFF	12	12	480	GC
D	Surface Mount	Topaz	F-L14/32/850/D/HP-75	1' x 4' LED Panel	White	120	1	32	LED	Purhase with surface mount conersion Frame (#F-L1x4-FRAME)	7	7	224	GC
D-2	Wall Sconce	Restoration Hardware	1920S Essex Clear Crystal Rod Sconce		Gray Iron	120	1	60			6	6	360	GC
E	Sconce	School House Electric	Edward Sconce		Antique Black	120	1	40	LED		2	1	80	GC
Emergency Lighting														
EM 1	Wall Mount	Encore	6ELP-36-2-NY	Emergency Two Head Halogen	White	120	2	36	LED		7	14	252	GC
EM 2	Wall Mount	Encore	6ELP-36-3-NY	Emergency Three Head Halogen	White	120	3	36	LED		7	21	252	GC
EM 3	Ceiling Mount	Encore	EROB-636-3-NY	Emergency Three Head Halogen	White	120	3	36	LED		2	6	72	GC
EX2	Wall Mount	Encore	LC8-3-72	Exit Light combo Red Compact	White	120	3	36	LED		5	15	180	GC
EX 3	Varies	Encore	Uno Series	Exit sign	Glass	120	1	3	LED		7	7	21	GC

LIGHTING FIXTURES

D	2'x4' Lay-in Fluorescent Light
D/NL	2'x4' Lay-in Fluorescent with Night Light
D1	1'x4' Lay-in Fluorescent with Night Light
A	4" Recessed Down Light
B	6" Recessed Down Light
C	Surface mount Monopoint
C1	LED Dimmable Tape Light
D2	Wall Sconce
E	Wall Sconce
F	Pendant Light
H	Heat Lamp

EMERGENCY LIGHTING

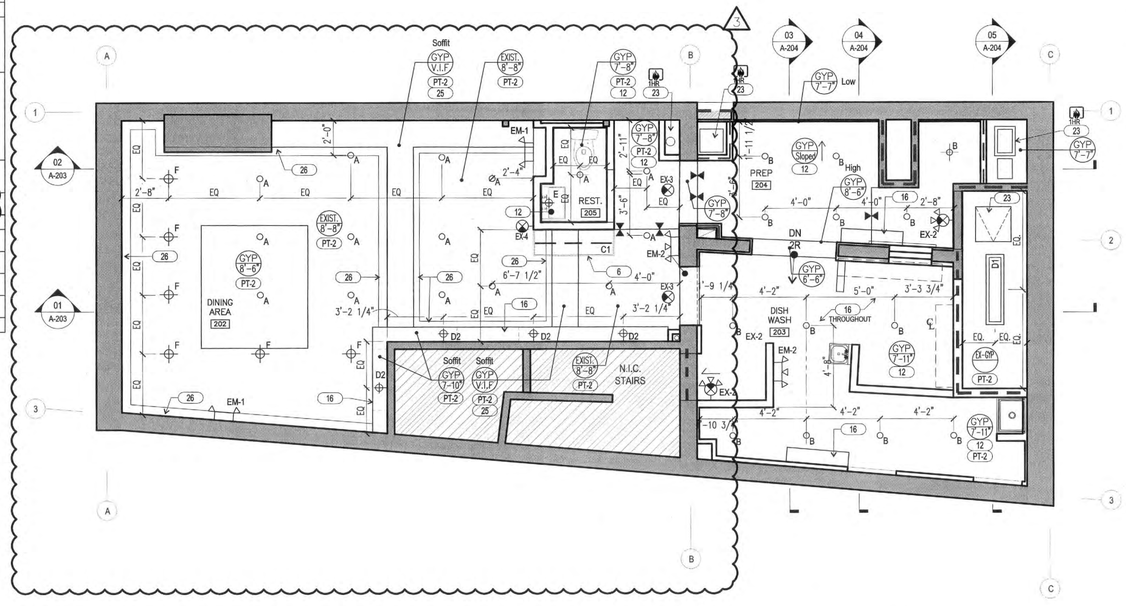
EX-1	Wall Mounted Exit Sign
EM-1	Wall Mounted Emergency Light
EM-2	Wall Mounted Emergency Light
EM-3	Recessed Emergency Light
EX-2	Wall Mounted Combo Exit Sign
EX-3	Ceiling Mounted Exit Sign
EX-4	Wall Mounted Exit Sign

SPRINKLER HEAD SCHEDULE

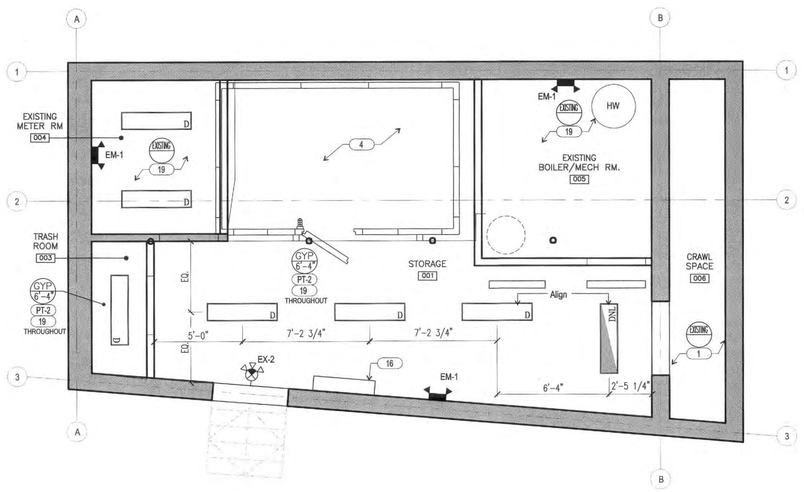
	Recessed Sprinkler
	Exposed Sprinkler
	Dry Sprinkler
	2X4 Acoustical Ceiling

HVAC SCHEDULE

	Exhaust Fan
	Gypsum Ceiling
	Q - Deck w/ Gypsum Ceiling below



03 2nd Floor Reflected Ceiling Plan
Scale: 1/4" = 1'-0"



02 Cellar Reflected Ceiling Plan
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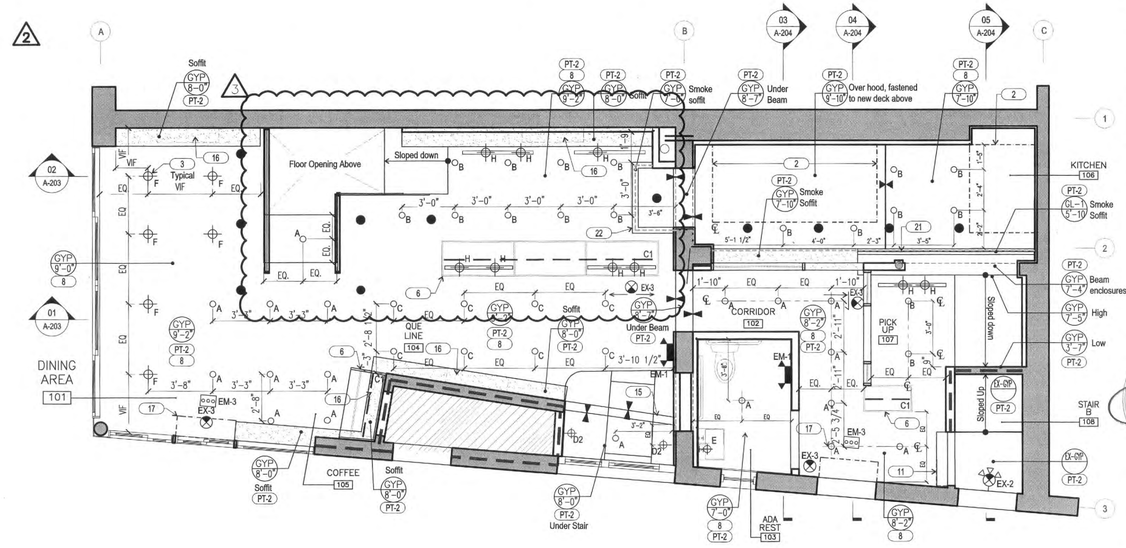

01 1st Floor Reflected Ceiling Plan
Scale: 1/4" = 1'-0"

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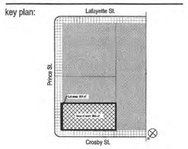
11/15/16	Issue Bid Set

issue progress:

key plan:



seal:

date: 12-08-2016
project no.: 16-17
drawn by: --
checked by: --

sheet title:

Reflected Ceiling Plan

drawing no.

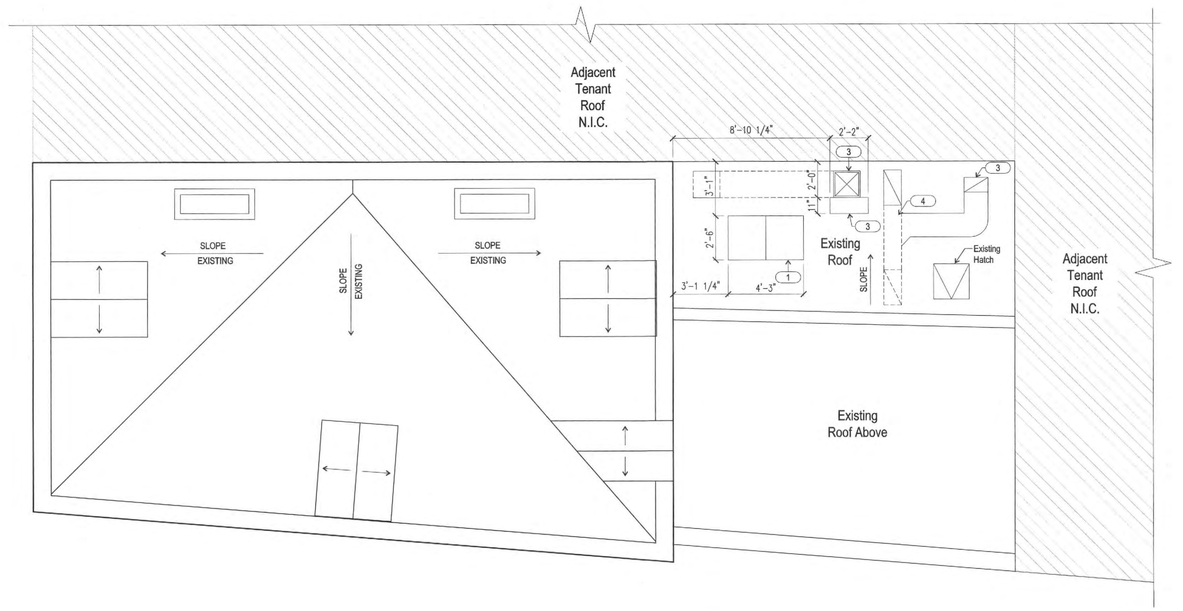
A-103.00

Roof Plan General Notes:

A	Coordinate all roofing penetrations with Mechanical Plans
B	Contractor must provide 24hr notice to the building for after-hours work.
C	Provide metal counter flashing and dall miscellaneous items and accessories as indicated.
D	All wood curbs, blocking, ect. Should be pressure treated wood.
E	All plumbing vents through roof are not shown. It's the contractors responsibility to flash as requiredto maintain fire-rated and apply to applicable codes.
F	Coordinate location of all mechanical with MEP drawings.

Roof Plan Key Notes:

1	New Air-Coole, split type condensing units. Install on new equipment curb per manufactuere's require,emts with vibration isolation.
2	New Make-Up air fan mounted on building setback roof with vibration isoliaton from new steel dunnage to be coordinated with structural engineer.
3	See Mechanical plans for penetration detail.
4	Existing exhaust duct to remain.



01 Roof Plan
Scale: 1/4" = 1'-0"

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project:

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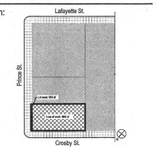
02/08/17	Issue Bid Set - Addendum 1
12/08/16	Issue Bid Set - Revision No. 1 (1)
11/15/16	Issue Bid Set

issue progress:

key plan:



seal:

REGISTERED ARCHITECT
MATTHEW
SINGER
026289
STATE OF NEW YORK
4.7.17

date: 12-08-2016
project no.: 16-17
drawn by: --
checked by: --

sheet title:

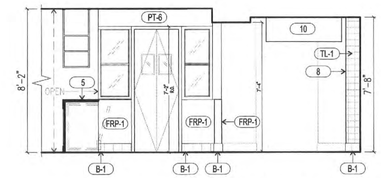
Roof Plan

drawing no.

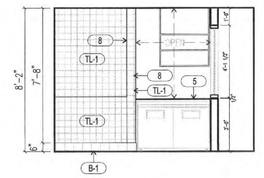
A-104.00

Interior Elevation Key Notes:

1	8'-0" high S/S corner guard
2	Wall blocking to be 3/4" thick fire retardant plywood. All wall blocking shall be concealed and securely attached to wall framing within walls (behing gyp. Board and/or finishes). Wall blocking lengths shown are minimum. Always extend wall blocking to next stud in each direction. Coordinate with food service and/or milwork drawings for exact heights and locations.
3	Millwork provided by GC, Installed by GC. See A-506 for details
4	Suspended shelf provided by GC, installed by GC. See A-506 for details
5	Shelving and Millwork provided by GC, Installed by GC. See A-504 for details
6	Millwork provided by GC, Installed by GC. See A-505 for details
7	Millwork provided by GC, Installed by GC. See A-503 for details
8	Install black Schluter strip to outside edge corner condition. See detail 02/A-303
9	OPEN
10	New hood, coordinate with exhaust hood installer
11	Suspended air curtain, GC. to coordinate installation
12	Exit sign mounted to ceiling
13	Metalwork to be provided by owner, GC. to install
14	Glass smoke screen, see det. 04/A-303
15	Millwork provided by G.C. See A-501 for details
16	Glass enclosure provided by G.C. See 01/A-405
17	Existing tin ceiling to remain
18	Railing provided by G.C. See 01/A-405



17 Interior Elevation
Scale: 1/4" = 1'-0"



16 Interior Elevation
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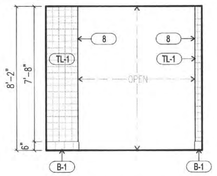
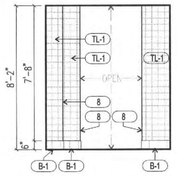
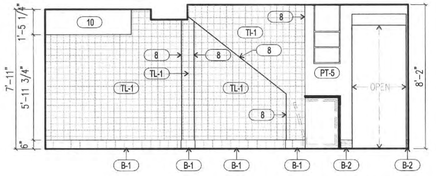


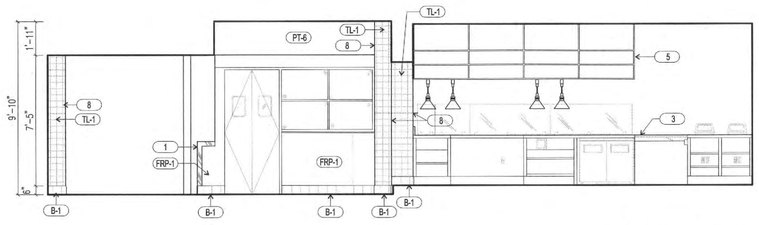
15 Interior Elevation
Scale: 1/4" = 1'-0"



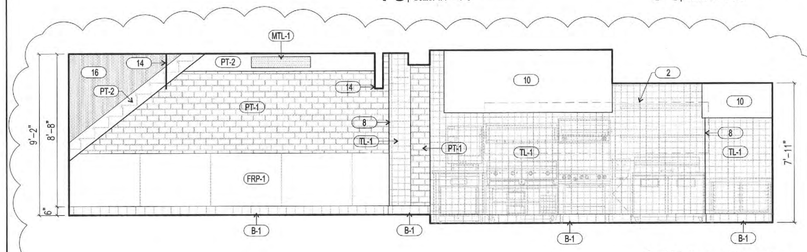
14 Interior Elevation
Scale: 1/4" = 1'-0"



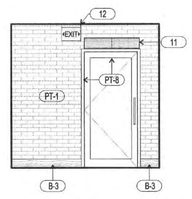
13 Interior Elevation
Scale: 1/4" = 1'-0"



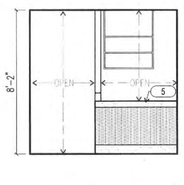
12 Interior Elevation
Scale: 1/4" = 1'-0"



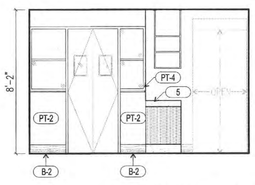
11 Interior Elevation
Scale: 1/4" = 1'-0"



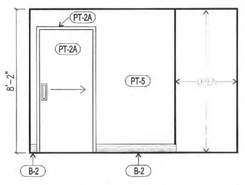
10 Interior Elevation
Scale: 1/4" = 1'-0"



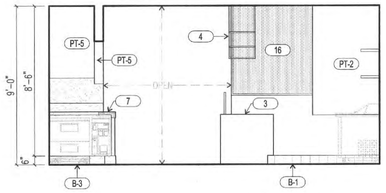
09 Interior Elevation
Scale: 1/4" = 1'-0"



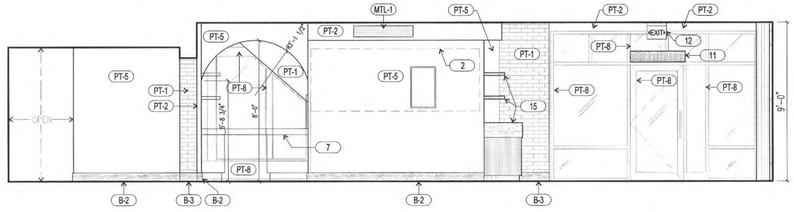
08 Interior Elevation
Scale: 1/4" = 1'-0"



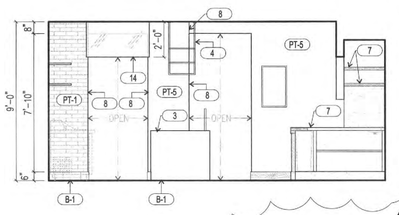
07 Interior Elevation
Scale: 1/4" = 1'-0"



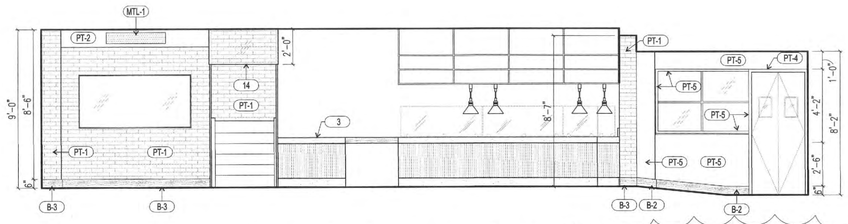
06 Interior Elevation
Scale: 1/4" = 1'-0"



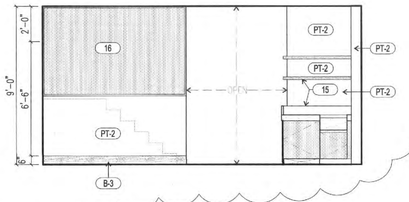
05 Interior Elevation
Scale: 1/4" = 1'-0"



04 Interior Elevation
Scale: 1/4" = 1'-0"



03 Interior Elevation
Scale: 1/4" = 1'-0"



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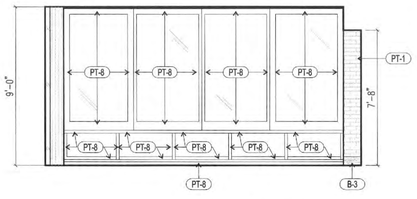
Scale: 1/4" = 1'-0"



01 Interior Elevation
Scale: 1/4" = 1'-0"

architect / designer:

garrett singer

architecture & design

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Food Service:

project:

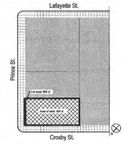
Dig Inn

70 Prince St.
New York, NY 10012

03/24/17	Reissued Bid Set - Revision No. 3
02/27/17	Reissued Bid Set - Revision No. 2
02/08/17	Issue Bid Set - Addendum 1
12/08/16	Issue Bid Set - Revision No. 1
11/15/16	Issue Bid Set

issue progress:

key plan:



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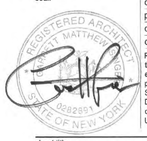

date: 12-08-2016
project no.: 16-17
drawn by: --
checked by: --

sheet title:

Interior Elevations

drawing no.

A-201.00

Exterior Elevation Key Notes:

1	Paint all existing storefront PT-7. Refer to Finsih Schedule
2	Door N.I.C. do not paint
3	OPEN
4	New wood frame and glass door to match existing storefront door. Wood frame to be painted PT-7
5	New wall sconces to replace existing sconces. Refer to reflective ceiling plan
6	OPEN
7	New galvanized 1 1/4" steel tube railing, Paint railing PT-7. Refer to Finish Schedule.
8	Door pull provided by G.C., See detail 01/A-602.00. Refer to hardware schedule
9	Existing louver to remain Paint PT-7
10	Remove existing metal door within exisiting rough opening.
11	New outside air louver to be painted to match the storefront PT-7
12	New frame for louver to match existing wood frame below.
13	Remove roll down gate.
14	Remove existing exhuast fan from within existing double hung window frame.

01 Existing Exterior Elevation
Scale: 1/4" = 1'-0"

03 Existing Exterior Elevation
Scale: 1/4" = 1'-0"

02 Proposed Exterior Elevation
Scale: 1/4" = 1'-0"

01 Proposed Exterior Elevation
Scale: 1/4" = 1'-0"

architect / designer:

garrett singer
architecture & design

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Food Service:

project:

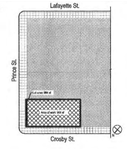
Dig Inn

70 Prince St.
New York, NY 10012

03/24/17	Reissued Bid Set - Revision No. 3 (3)
02/27/17	Reissued Bid Set - Revision No. 2 (2)
02/08/17	Issue Bid Set - Addendum 1
12/08/16	Issue Bid Set - Revision No. 1 (1)
11/15/16	Issue Bid Set

issue progress:

key plan:



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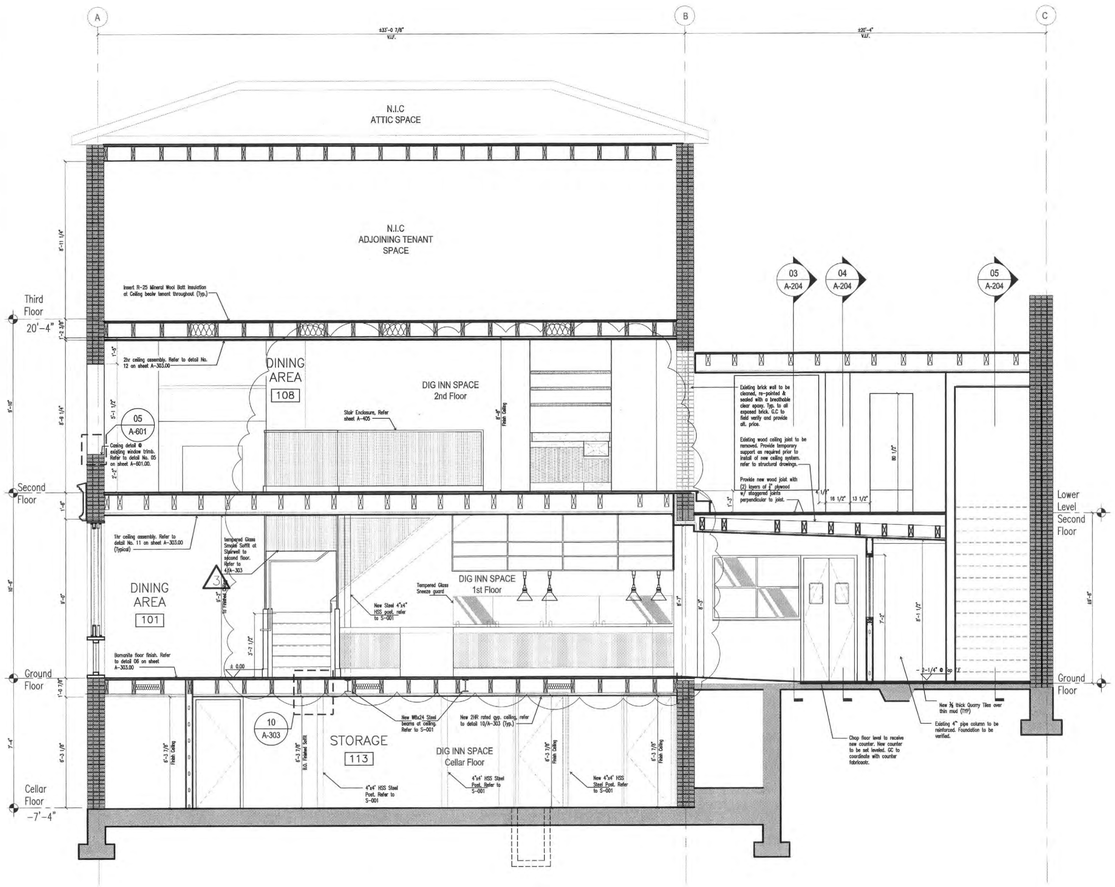
date: 12-08-2016
project no.: 16-17
drawn by: --
checked by: --

sheet title:

Exterior Elevations

drawing no.

A-202.00



02 Building Section
Scale: 1/4" = 1'-0"

01 Building Section
Scale: 1/4" = 1'-0"

architect / designer:

garrett singer
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Food Service:

project:

Dig Inn

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New York, NY 10012

03/24/17 | Reissued Bid Set - Revision No. 3
02/27/17 | Reissued Bid Set - Revision No. 2
02/08/17 | Issue Bid Set - Addendum 1
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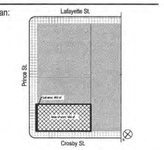
11/15/16 | Issue Bid Set

issue progress:

key plan:



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date: 12-08-2016
project no.: 16-17
drawn by: --
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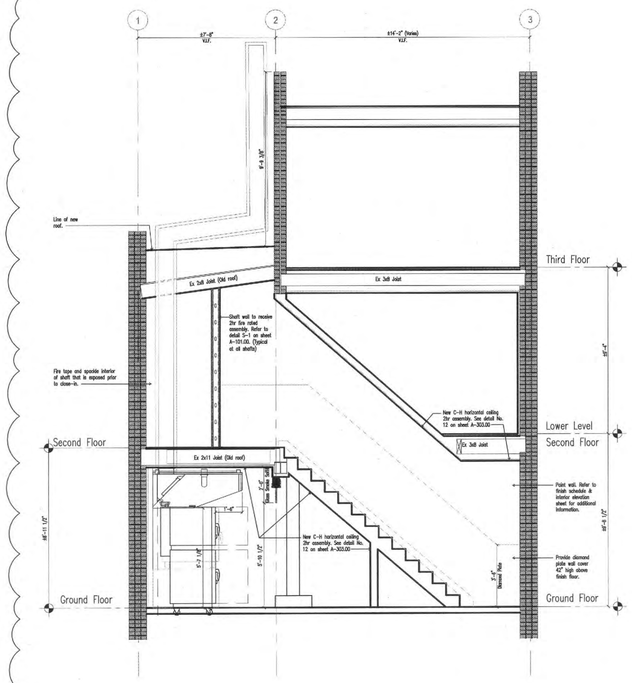
sheet title:

Building Section

drawing no.

A-203.00



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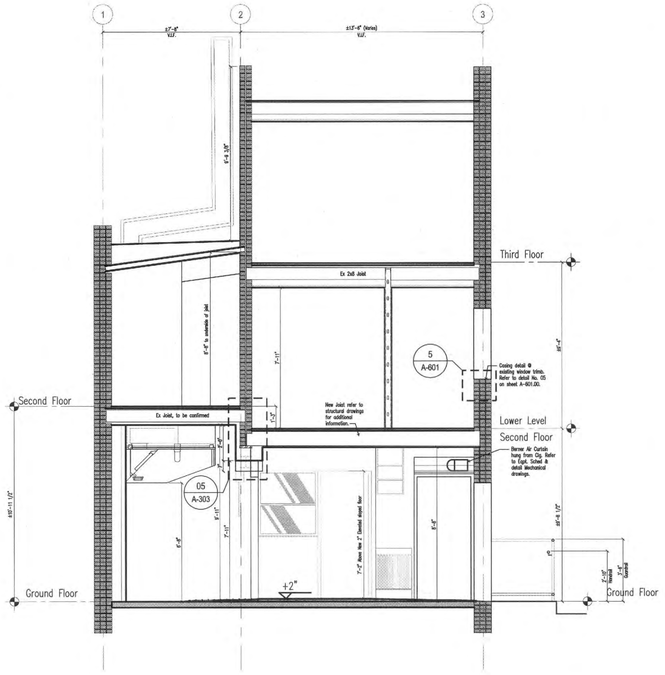
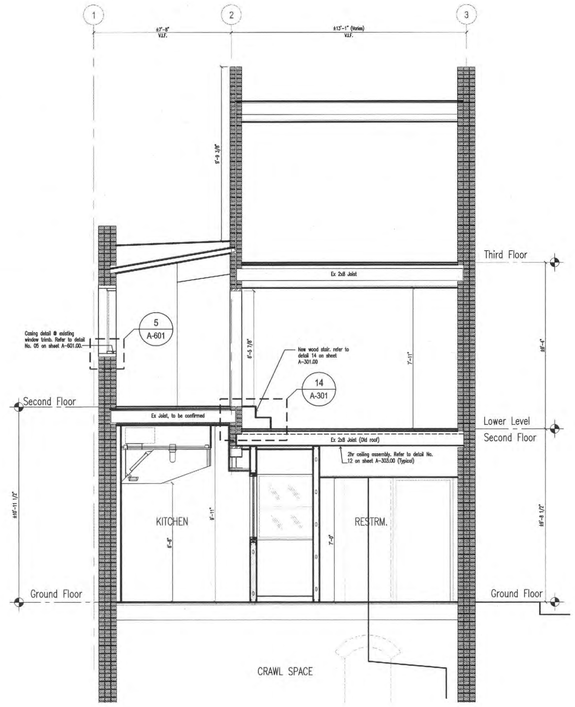
Scale: 1/4" = 1'-0"



04 Building Section
Scale: 1/4" = 1'-0"



03 Building Section
Scale: 1/4" = 1'-0"

architect / designer:

garrett singer
architecture & design

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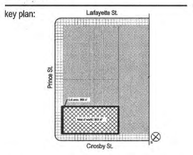
11/15/16	Issue Bid Set

issue progress:

key plan:



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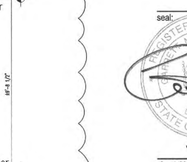


date: 12-08-2016
project no.: 16-17
drawn by: --
checked by: --

sheet title:

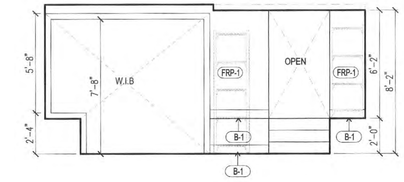
Building Section

drawing no.

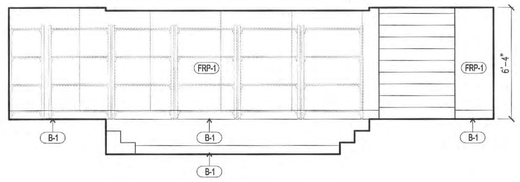
A-204.00

Interior Elevation Key Notes:

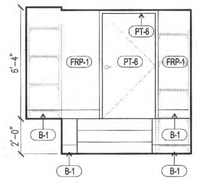
1	8'-0" high S/S corner guard
2	Wall blocking to be 3/4" thick fire retardant plywood. All wall blocking shall be concealed and securely attached to wall framing within walls (behing gyp. Board and/or finishes). Wall blocking lengths shown are minimum. Always extend wall blocking to next stud in each direction. Coordinate with food service and/or milwork drawings for exact heights and locations.
3	Millwork provided by GC, Installed by GC. See A-506 for details
4	Suspended shelf provided by GC, installed by GC. See A-506 for details
5	Shelving and Millwork provided by GC, Installed by GC. See A-504 for details
6	Millwork provided by GC, Installed by GC. See A-505 for details
7	Millwork provided by GC, Installed by GC. See A-503 for details
8	Install black Schluter strip to outside edge corner condition. See detail 02/A-303
9	OPEN
10	New hood, coordinate with exhaust hood installer
11	Suspended air curtain, GC. to coordinate installation
12	Exit sign mounted to ceiling
13	Metalwork to be provided by owner, GC. to install
14	Glass smoke screen, see det. 04/A-303
15	Millwork provided by G.C. See A-501 for details
16	Glass enclosure provided by G.C. See 01/A-405
17	Existing tin ceiling to remain
18	Railing provided by G.C. See 01/A-405



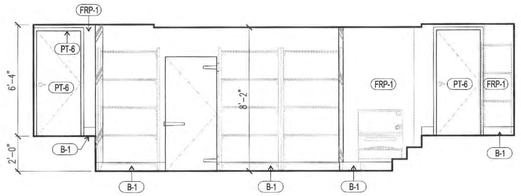
18 Interior Elevation
Scale: 1/4" = 1'-0"



17 Interior Elevation
Scale: 1/4" = 1'-0"



16 Interior Elevation
Scale: 1/4" = 1'-0"



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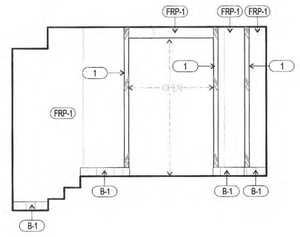
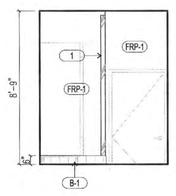
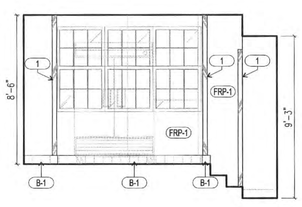
Scale: 1/4" = 1'-0"



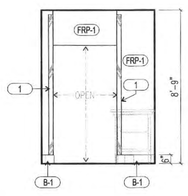
14 Interior Elevation
Scale: 1/4" = 1'-0"



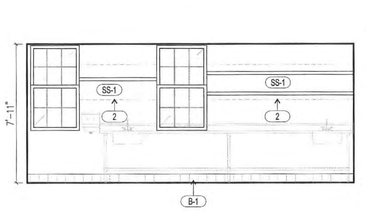
13 Interior Elevation
Scale: 1/4" = 1'-0"



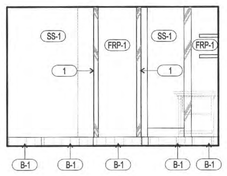
12 Interior Elevation
Scale: 1/4" = 1'-0"



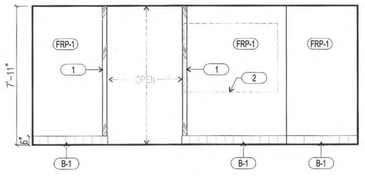
11 Interior Elevation
Scale: 1/4" = 1'-0"



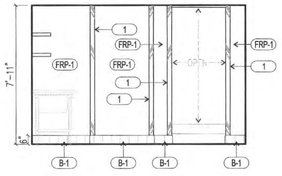
10 Interior Elevation
Scale: 1/4" = 1'-0"



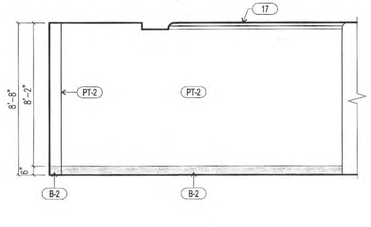
09 Interior Elevation
Scale: 1/4" = 1'-0"



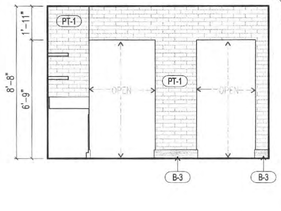
08 Interior Elevation
Scale: 1/4" = 1'-0"



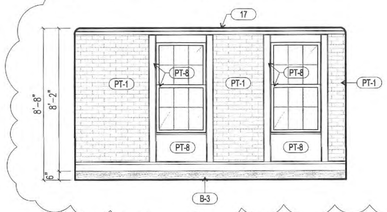
07 Interior Elevation
Scale: 1/4" = 1'-0"



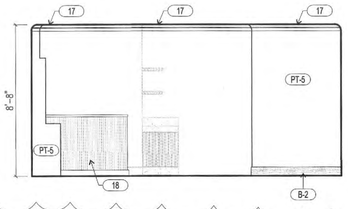
06 Interior Elevation
Scale: 1/4" = 1'-0"



05 Interior Elevation
Scale: 1/4" = 1'-0"



04 Interior Elevation
Scale: 1/4" = 1'-0"



03 Interior Elevation
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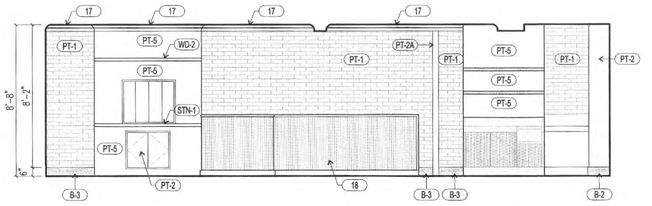
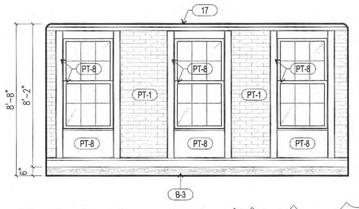


02 Interior Elevation
Scale: 1/4" = 1'-0"



01 Interior Elevation
Scale: 1/4" = 1'-0"

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architecture & design

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MEP:

TSF Engineering, P.C.
200 Park Ave. S. Suite 916
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Food Service:

project:

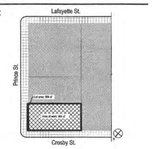
Dig Inn

70 Prince St.
New York, NY 10012

03/24/17	Reissued Bid Set - Revision No. 3
02/27/17	Reissued Bid Set - Revision No. 2
02/08/17	Issue Bid Set - Addendum 1
12/08/16	Issue Bid Set - Revision No. 1
11/15/16	Issue Bid Set

issue progress:

key plan:



seal:

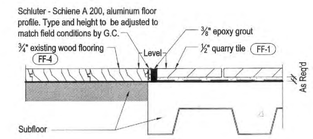
date: 12-08-2016
project no.: 16-17
drawn by: --
checked by: --

sheet title:

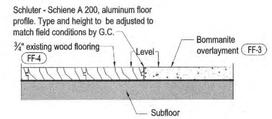
Interior Elevations

drawing no.

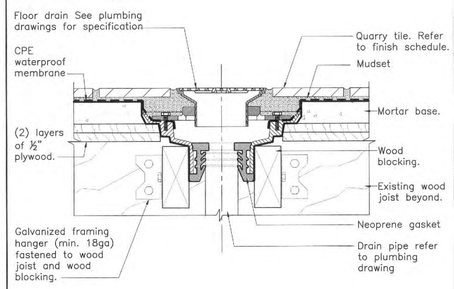
A-205.00



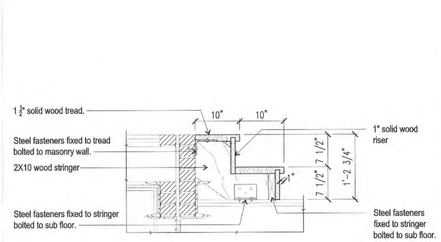
21 Wood to Quarry Tile
Scale: 3" = 1'-0"



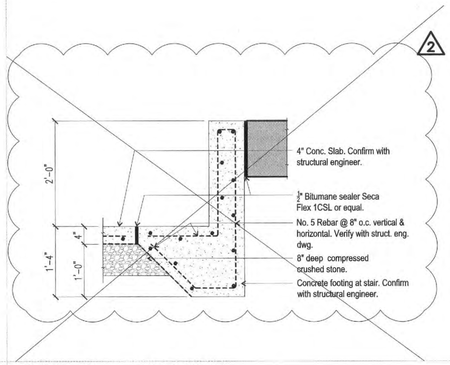
20 Wood to Bommanite
Scale: 3" = 1'-0"



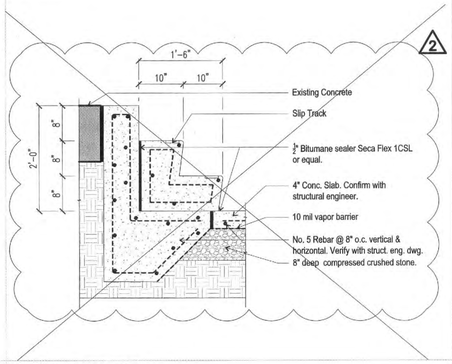
15 Floor Drain Installation & Waterproofing Detail
Scale: 3" = 1'-0"



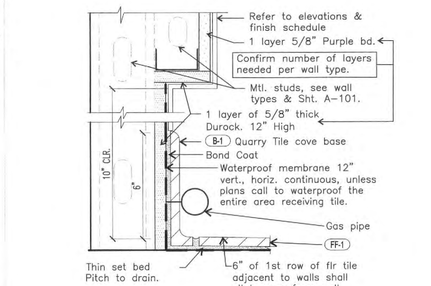
14 Wood Stair Detail
Scale: 3/4" = 1'-0"



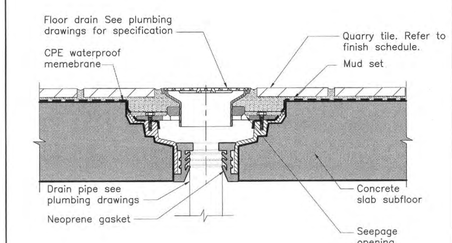
13 New Concrete Slab Detail
Scale: 3/4" = 1'-0"



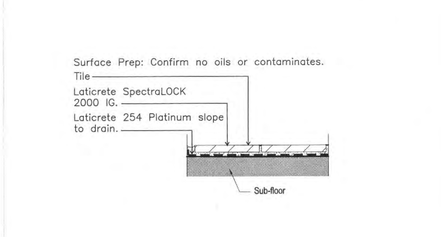
12 Concrete Stair
Scale: 3/4" = 1'-0"



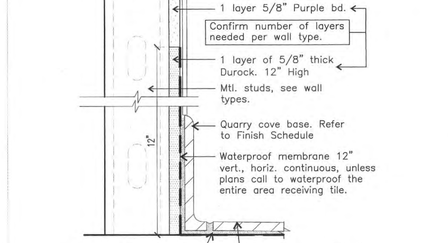
11 Raised Furring Detail
Scale: 3" = 1'-0"



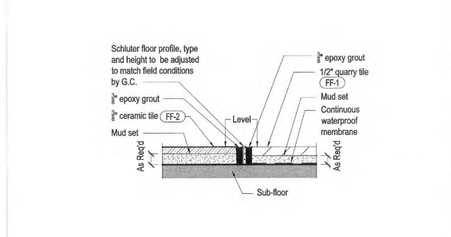
10 Floor Drain Installation & Waterproofing Detail
Scale: 3" = 1'-0"



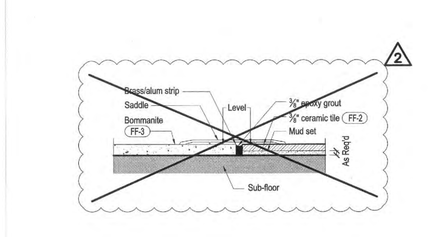
09 Typ. Waterproofing Detail
Scale: 3" = 1'-0"



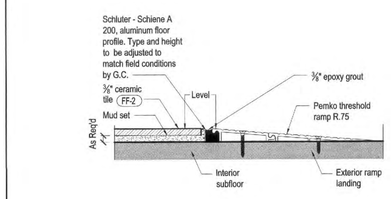
08 Base Detail
Scale: 3" = 1'-0"



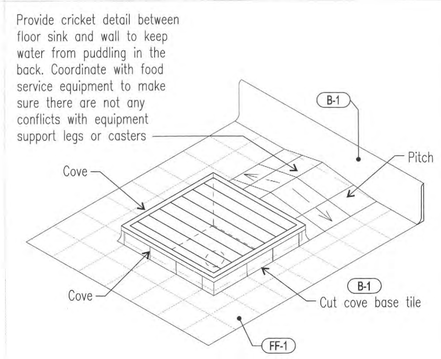
07 Ceramic Tile to Quarry Tile
Scale: 3" = 1'-0"



06 Bommanite to Ceramic Tile
Scale: 3" = 1'-0"



10 Floor Drain Installation & Waterproofing Detail
Scale: 3" = 1'-0"



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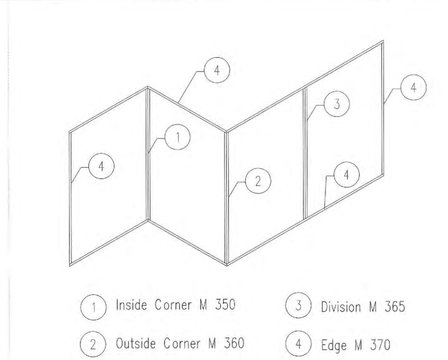
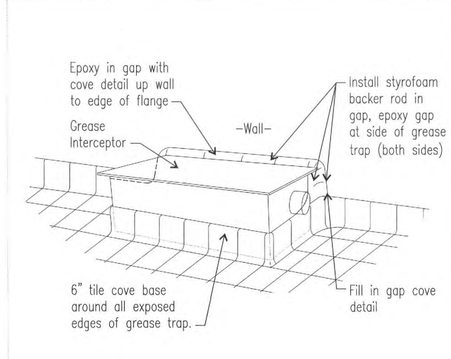
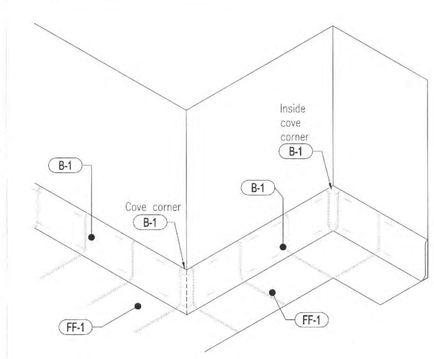
Scale: 3" = 1'-0"



08 Base Detail
Scale: 3" = 1'-0"



07 Ceramic Tile to Quarry Tile
Scale: 3" = 1'-0"



06 Bommanite to Ceramic Tile
Scale: 3" = 1'-0"

04 Axon: Sanitary Condition

03 F.R.P. Components & Conditions
Scale: N.T.S.

02 Grease Trap Quarry Tile Cove Detail
Scale: N.T.S.

01 Quarry Tile Cove Base Components
Scale: N.T.S.

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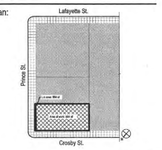
03/24/17	Reissued Bid Set - Revision No. 3 (3)
02/27/17	Reissued Bid Set - Revision No. 2 (2)
02/08/17	Issue Bid Set - Addendum 1
12/08/16	Issue Bid Set - Revision No. 1 (1)
11/15/16	Issue Bid Set

issue progress:

key plan:



seal:

date: 12-08-2016
project no.: 16-17
drawn by: --
checked by: --

sheet title:

Details

drawing no.

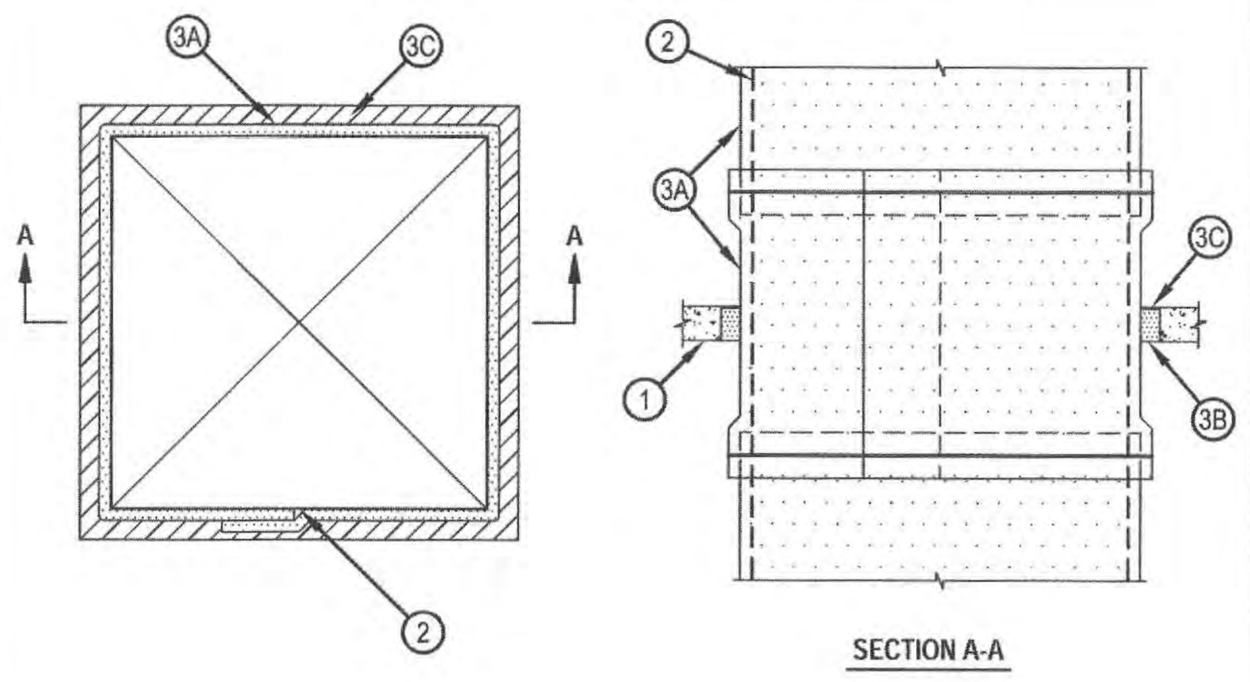
A-301.00

System No. C-AJ-7098

CAJ 7098

Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating - 2 Hr	F Rating - 2 Hr
T Rating - 2 Hr	FT Rating - 2 Hr
	FH Rating - 2 Hr
	FTH Rating - 2 Hr



1. Floor or Wall Assembly — Min 4-1/2 in. (114 mm) thick reinforced normal weight (140-150 pcf or 2240-2400 kg/m3) concrete floor or min 4-3/4 in. (121 mm) thick reinforced normal weight concrete wall. Wall may also be constructed of any UL Classified Concrete Blocks*. Max area of opening is 22.6 ft2 (2.1 m2) with max dimension of 57 in. (1.45 m).
   See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
2. Steel Grease Duct — Max 24 by 49 in. (0.61 by 1.24 m) by min 060 in. (1.5 mm) thick steel grease duct. One steel grease duct to be installed either concentrically or eccentrically within the firestop system. Duct to rigidly supported on both sides of floor or wall assembly.

HILTI Hilti Firestop Systems — Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. August 18, 2011 — Page: 1 of 2

System No. C-AJ-7098

CAJ 7098

Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating - 2 Hr	F Rating - 2 Hr
T Rating - 2 Hr	FT Rating - 2 Hr
	FH Rating - 2 Hr
	FTH Rating - 2 Hr

3. Firestop System — The firestop system shall consist of the following:
   A. Duct Wrap Materials* — Nom 1-1/2 in. (38 mm) thick ceramic blanket totally encapsulated within foil-scrim facers. The steel duct shall be wrapped with two layers of duct wrap installed in accordance with Grease Duct Assembly No. G-18. See Grease Duct Assemblies in Volume 2 of the Fire Resistance Directory. The annular space between the insulated duct and the periphery of the opening shall be a min of 1/2 in. (13 mm) to a max of 4-3/4 in. (121 mm).
   THERMAL CERAMICS INC — FireMaster FastWrap XL, FireMaster FastWrap+ or Pyroscat Duct Wrap XL.
   B. Packing Material — Min 4-1/4 in. (108 mm) thickness of unfaced scrap duct wrap material firmly packed into opening as a permanent form. Packing material to be recessed from the top surface of the floor or from both surfaces of wall as required to accommodate the required thickness of fill material.
   C. Fill Void or Cavity Material* — Sealant — Min 1/4 in. (6 mm) thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS ONE Sealant
   RECTORSEAL — 835+ Sealant
   SPECIFIED TECHNOLOGIES INC — Pensil 300 or SpecSeal Series SIL300 Sealant
   TREMCO INC — Fyre-Sil Sealant or Fyre-Sil S/L Sealant (for floor assemblies only)

*Bearing the UL Classification Mark

HILTI Hilti Firestop Systems — Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. August 18, 2011 — Page: 2 of 2

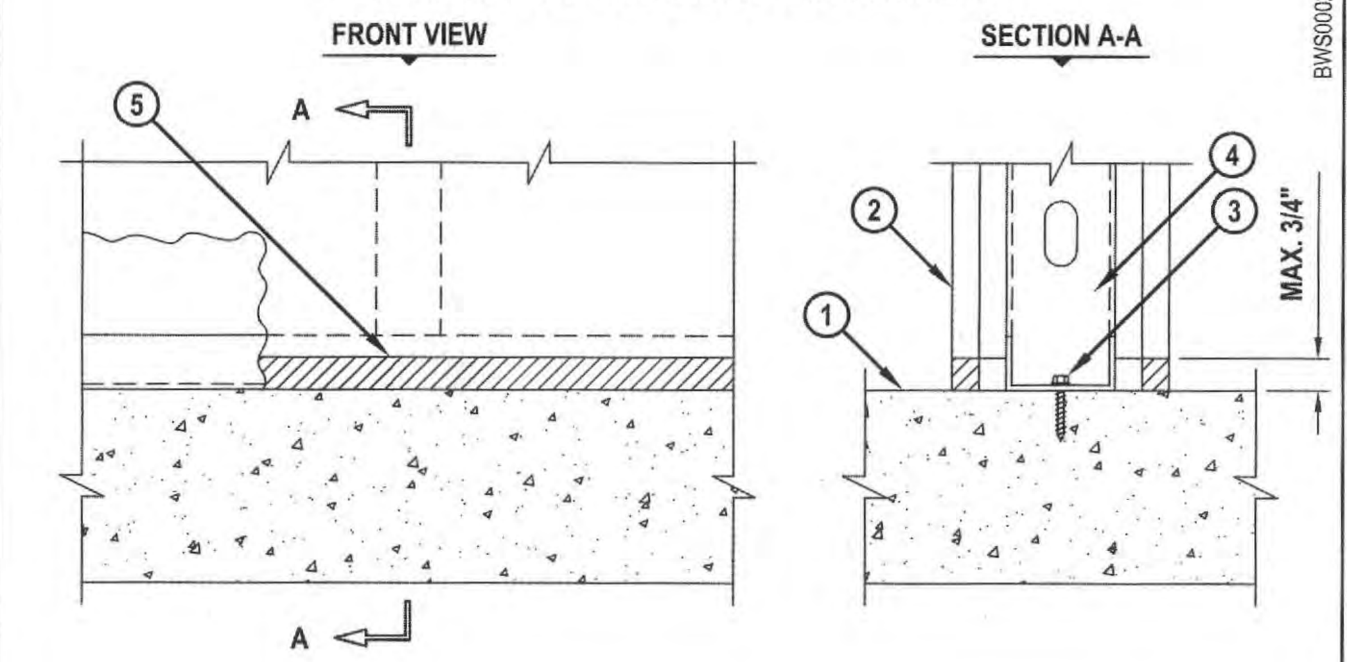
05 Grease Duct Penetrating at Concrete Wall and Floor
Scale: N.T.S.

UL/cUL SYSTEM NO. BW-S-0002

BOTTOM OF WALL JOINT : GYPSUM WALL ASSEMBLY

ASSEMBLY RATING = 1-HR. OR 2-HR. (DEPENDING ON RATING OF WALL AND FLOOR ASSEMBLY)
L-RATING AT AMBIENT - LESS THAN 1 CFM/LINEAR FOOT
L-RATING AT 400° F - LESS THAN 1 CFM/LINEAR FOOT

BWS0002c.063003



1. CONCRETE FLOOR ASSEMBLY (1-HR. OR 2-HR. FIRE-RATING) :
   A. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE FLOOR ASSEMBLY (MIN. 4-1/2" THICK).
   B. ANY UL/ULC CLASSIFIED PRE-CAST HOLLOW CORE CONCRETE FLOOR ASSEMBLY (MIN. 6" THICK).
2. GYPSUM WALL ASSEMBLY (UL/ULC CLASSIFIED U400 SERIES WALL) (1-HR. OR 2-HR. FIRE-RATING) (2-HR. SHOWN).
3. FLOOR RUNNER (MIN. 25 GA., 1-1/4" FLANGES) FASTENED TO TOP SURFACE OF CONCRETE FLOOR.
4. STEEL STUDS (MIN. 3-1/2" WIDE), NESTING IN AND RESTING ON FLOOR RUNNER.
5. MINIMUM 5/8" DEPTH HILTI CP 601S ELASTOMERIC FIRESTOP SEALANT, CP 606 FLEXIBLE FIRESTOP SEALANT, OR FS-ONE INTUMESCENT FIRESTOP SEALANT.

HILTI FIRESTOP SYSTEMS — HILTI, Inc. Tulsa, Oklahoma USA (918) 252-6000 — Sheet 1 of 1 — Scale 1/4" = 1" — Date June 30, 2003 — Drawing No. BWS 0002c

Saving Lives through Innovation and Education

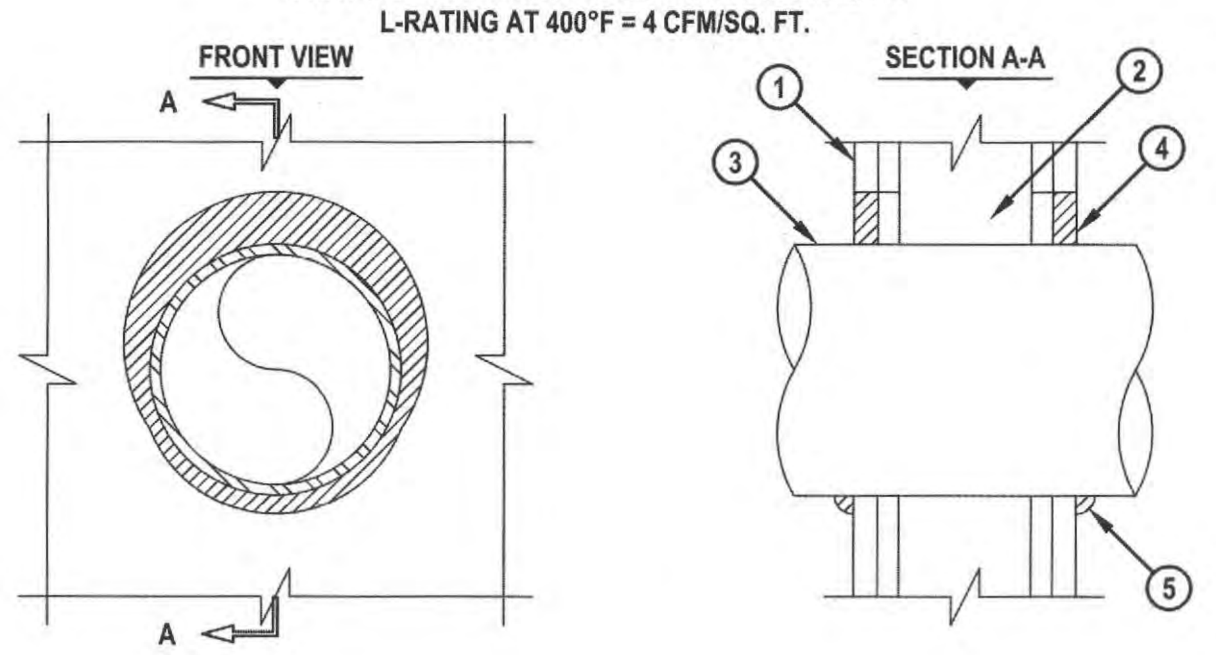
04 Through Penetration Fire Stop Detail - Bottom of Wall
Scale: N.T.S.

UL/cUL SYSTEM NO. W-L-1054

METAL PIPE THROUGH 1-HR. OR 2-HR. GYPSUM WALL ASSEMBLY

F-RATING = 1-HR. OR 2-HR.
T-RATING = 0-HR.
L-RATING AT AMBIENT = LESS THAN 1 CFM/SQ. FT.
L-RATING AT 400°F = 4 CFM/SQ. FT.

WL1054q.110602



1. GYPSUM WALL ASSEMBLY (UL/ULC CLASSIFIED U300 OR U400 SERIES) (1-HR. OR 2-HR. FIRE-RATING) (2-HR. SHOWN).
2. (NOT SHOWN). WOOD STUDS TO CONSIST OF NOMINAL 2" x 4" LUMBER. STEEL STUDS TO BE MINIMUM 2-1/2" WIDE.
3. PENETRATING ITEM TO BE ONE OF THE FOLLOWING :
   A. MAXIMUM 30" DIAMETER STEEL PIPE (SCHEDULE 10 OR HEAVIER).
   B. MAXIMUM 30" DIAMETER CAST IRON PIPE.
   C. MAXIMUM 6" NOMINAL DIAMETER COPPER PIPE.
   D. MAXIMUM 6" NOMINAL DIAMETER STEEL CONDUIT.
   E. MAXIMUM 4" NOMINAL DIAMETER EMT.
4. MINIMUM 5/8" DEPTH HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT.
5. MINIMUM 1/2" BEAD HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT AT POINT OF CONTACT.

NOTES : 1. MAXIMUM DIAMETER OF OPENING :
A. 32-1/4" FOR STEEL STUD WALLS.
B. 14-1/2" FOR WOOD STUD WALLS.
2. ANNULAR SPACE = MINIMUM 0", MAXIMUM 2-1/4".
3. PIPE MAY BE INSTALLED WITH CONTINUOUS POINT OF CONTACT.
4. PIPE MAY BE INSTALLED AT AN ANGLE NOT GREATER THAN 45° FROM PERPENDICULAR.

HILTI FIRESTOP SYSTEMS — HILTI, Inc. Tulsa, Oklahoma USA (918) 252-6000 — Sheet 1 of 1 — Scale 7/32" = 1" — Date Nov. 6, 2002 — Drawing No. WL 1054q

Saving Lives through Innovation and Education

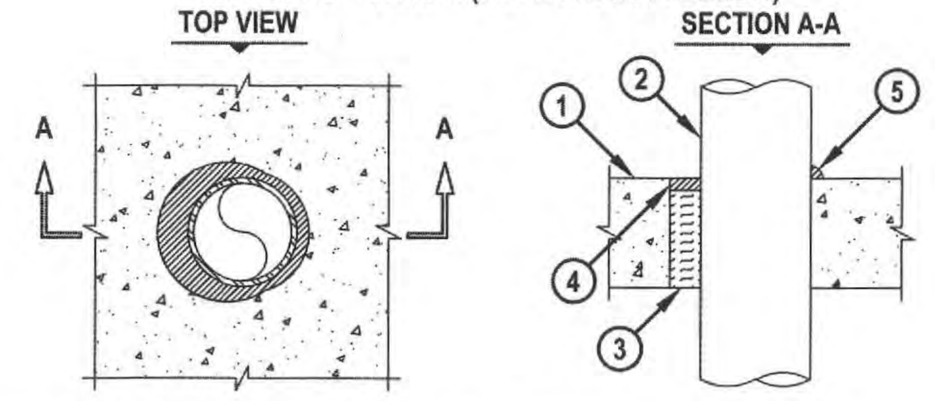
03 Metal Pipe Through Gypsum Wall
Scale: N.T.S.

UL/cUL SYSTEM NO. C-AJ-1149

METAL PIPE THROUGH CONCRETE FLOOR/WALL OR BLOCK WALL

F-RATING = 2-HR.
T-RATING = 0-HR.
L-RATING AT AMBIENT = LESS THAN 1 CFM/SQ. FT.
L-RATING AT 400° F = 4 CFM/SQ. FT.
W-RATING = CLASS I (SEE NOTE NO. 4 BELOW)

CAJ1149n.101804



1. CONCRETE FLOOR OR WALL ASSEMBLY (2-HR. FIRE-RATING):
   A. ANY LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE FLOOR OR WALL (MINIMUM 4-1/2" THICK).
   B. ANY UL/cUL CLASSIFIED CONCRETE BLOCK WALL.
2. PENETRATING ITEM TO BE ONE OF THE FOLLOWING:
   A. MAXIMUM 10" NOMINAL DIAMETER STEEL PIPE (SCHEDULE 10 OR HEAVIER).
   B. MAXIMUM 10" NOMINAL DIAMETER CAST IRON PIPE.
   C. MAXIMUM 4" NOMINAL DIAMETER COPPER PIPE OR TUBING.
   D. MAXIMUM 4" NOMINAL DIAMETER STEEL CONDUIT.
   E. MAXIMUM 4" NOMINAL DIAMETER EMT.
3. MINIMUM 3" THICKNESS MINERAL WOOL (MINIMUM 4 PCF DENSITY) TIGHTLY PACKED FOR NOMINAL 4" DIAMETER (AND SMALLER), AND MINIMUM 4" THICKNESS MINERAL WOOL (MINIMUM 4 PCF DENSITY) TIGHTLY PACKED FOR PIPES GREATER THAN NOMINAL 4" DIAMETER.
4. MINIMUM 1/2" DEPTH HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT, CP 601S ELASTOMERIC FIRESTOP SEALANT, CP 604 SELF-LEVELING FIRESTOP SEALANT, OR CP 606 FLEXIBLE FIRESTOP SEALANT.
5. MINIMUM 1/2" BEAD HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT, CP 601S ELASTOMERIC FIRESTOP SEALANT, OR CP 606 FLEXIBLE FIRESTOP SEALANT APPLIED AT POINT OF CONTACT. (NOT REQUIRED WHEN CP 604 SELF-LEVELING FIRESTOP SEALANT IS USED, ITEM NO. 4).

NOTES : 1. MAXIMUM DIAMETER OF OPENING = 12".
2. ANNULAR SPACE = MINIMUM 0", MAXIMUM 1-1/4".
3. MINIMUM 1/2" DEPTH HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT, CP 601S ELASTOMERIC FIRESTOP SEALANT, OR CP 606 FLEXIBLE FIRESTOP SEALANT IS REQUIRED ON BOTH SIDES OF A WALL ASSEMBLY.
4. W-RATING APPLIES ONLY WHEN CP 601S ELASTOMERIC FIRESTOP SEALANT OR CP 604 SELF-LEVELING FIRESTOP SEALANT IS USED.

HILTI FIRESTOP SYSTEMS — HILTI, Inc. Tulsa, Oklahoma USA (918) 252-6000 — Sheet 1 of 1 — Scale 9/64" = 1" — Date Oct. 18, 2004 — Drawing No. CAJ 1149n

Saving Lives through Innovation and Education

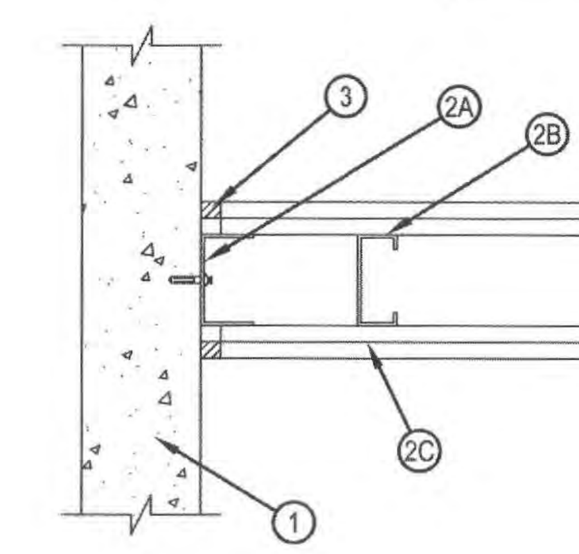
02 Through Penetration Fire Stop Detail - Concrete
Scale: N.T.S.

System No. WW-D-0040

WWD0040

Classified by Underwriters Laboratories, Inc. to UL 2079 and CAN/ULC-S115

ANSI/UL2079	CAN/ULC S115
Assembly Ratings — 1 and 2 Hr (See Item 2)	F Ratings — 1 and 2 Hr (See Item 2)
Nominal Joint Width - 3/4 In.	FT Ratings — 1 and 2 Hr (See Item 2)
Class II Movement Capabilities — 17% Compression or Extension	FH Ratings — 1 and 2 Hr (See Item 2)
L Rating At Ambient — Less Than 1 CFM/sq ft (See Item 3)	FTH Ratings — 1 and 2 Hr (See Item 2)
L Rating At 400 F — Less Than 1 CFM/sq ft (See Item 3)	Nominal Joint Width - 3/4 In.
	Class II Movement Capabilities — 17% Compression or Extension
	L Rating At Ambient — Less Than 1 CFM/sq ft (See Item 3)
	L Rating At 400 F — Less Than 1 CFM/sq ft (See Item 3)



HILTI Hilti Firestop Systems — Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. December 23, 2013 — Page: 1 of 2

System No. WW-D-0040

WWD0040

1. Concrete Wall Assembly — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) structural concrete. Wall may also be constructed of any UL Classified Concrete Blocks*.
   See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
2. Gypsum Wall Assembly — The 1 or 2 h fire rated gypsum board/steel stud wall assembly shall be constructed of the materials and in the manner specified in the individual U400, V400 or W400 Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
   A. Steel Runners — Runners of wall assembly shall consist of min No. 25 gauge galv steel channels sized to accommodate steel studs (Item 2B). Runner to be provided with 1-1/4 in. (32 mm) flanges. Runner secured to concrete wall assembly with steel concrete fasteners spaced 12 in. (305 mm) OC.
   B. Studs — Steel studs to be min 3-1/2 in. (89 mm) wide. Studs cut 1/2 to 3/4 in. (13 to 19 mm) less in length than assembly height with bottom nesting in and resting on floor runner and with top nesting in ceiling runner without attachment. First stud adjacent to concrete wall assembly located max 4 in. (102 mm) from wall face. Stud spacing not to exceed 24 in. (610 mm) OC.
   C. Gypsum Board* — For 1 hr assembly, one layer of 5/8 in. (16 mm) thick gypsum board is required in the individual Wall and Partition Design. For 2 hr assembly, two layers of 5/8 in. (16 mm) thick gypsum board are required in the individual Wall and Partition Design. Wall to be constructed as specified in the individual U400, V400 or W400 Series Design in the UL Fire Resistance Directory, except that a max 3/4 in. (19 mm) gap shall be maintained between the side of gypsum board and face of concrete wall assembly. The screws attaching the gypsum board to the first stud shall be located 4 in. (102 mm) from face of concrete wall assembly. Gypsum board not attached to side runner.
   The hourly fire rating of the joint system is equal to the hourly rating of the gypsum wall assembly.
3. Fill, Void or Cavity Material* - Sealant — Max separation between side of gypsum board and face of concrete wall assembly is 3/4 in. (19 mm). The joint system is designed to accommodate a max 17 percent compression or extension from its installed width. Min 5/8 in. (16 mm) thickness of fill material installed on each side of the wall between the side of the gypsum board and the face of the concrete wall assembly, flush with each surface of the gypsum wall.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP601S Elastomeric Firestop Sealant or CP606 Flexible Firestop Sealant or CFS-S SIL GG Sealant. L Ratings apply only when CP606 or CFS-S SIL GG Sealant is used.
4. Forming Material — (Optional, Not Shown) - Mineral wool insulation, fiberglass batt insulation or polyurethane/polyethylene foam backer rod. Forming material to be recessed from both surfaces of the 2 hr fire rated wall to accommodate the required thickness of fill material.

*Bearing the UL Classification Mark

HILTI Hilti Firestop Systems — Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. December 23, 2013 — Page: 2 of 2

01 Fire-Rated Gypsum Wall Board Joint at Concrete Wall
Scale: N.T.S.

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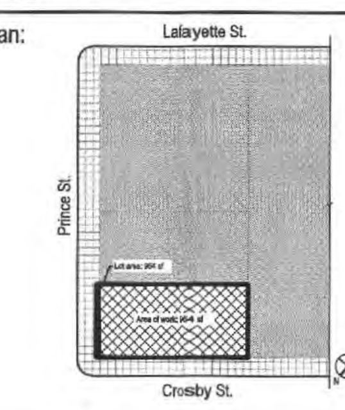
Food Service:

project:
Dig Inn
70 Prince St.
New York, NY 10012

03/24/17	Reissued Bid Set - Revision No. 3 (3)
02/27/17	Reissued Bid Set - Revision No. 2 (2)
02/08/17	Issue Bid Set - Addendum 1
12/08/16	Issue Bid Set - Revision No. 1 (1)
11/15/16	Issue Bid Set

issue progress:

key plan:



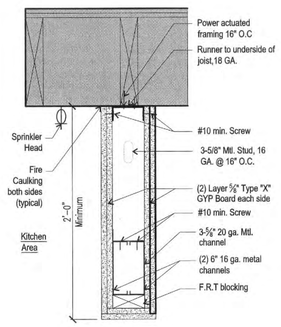
seal:

REGISTERED ARCHITECT GARRETT MATTHEW SINGER 028289 STATE OF NEW YORK
4.7.17

date: 12-08-2016
project no.: 16-17
drawn by: --
checked by: --

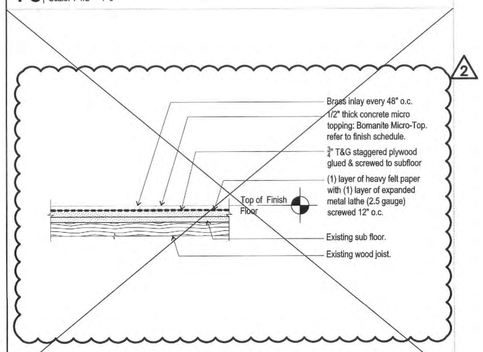
sheet title:
Firestopping & UL Specifications

drawing no.
A-302.00



NOTE:
Draft curtain of non-combustible material, at least 24" down from the ceiling to provide separation of the cooking facility from the dining space. Provide sprinkler heads constructed in accordance with the provisions of subchapter seventeen of the NYC DOB 1968 code. Sprinklers to be installed on the cooking facility side of the curtain, or any opening between the kitchen and dining space, sprinkler heads to be located within 24" of the curtain and spaced not more than 48" on center.

16 GWB Smoke Soffit Detail
Scale: 1-1/2" = 1'-0"



06 Bomanite Floor Finish
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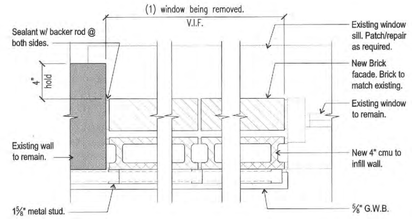
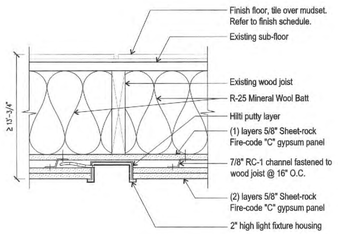
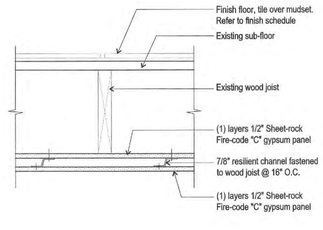


15 Window Infill Detail
Scale: 1-1/2" = 1'-0"



UL Design: No. L511 (2 Hour Rating)

12 Gypsum Ceiling Detail
Scale: 1-1/2" = 1'-0"



UL Design: No. L510 (1 Hour Rating)

11 Gypsum Ceiling Detail
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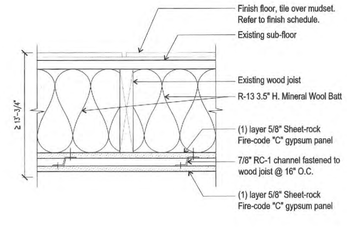

UL Design: No. L511 (2 Hour Rating)

10 Gypsum Ceiling Detail
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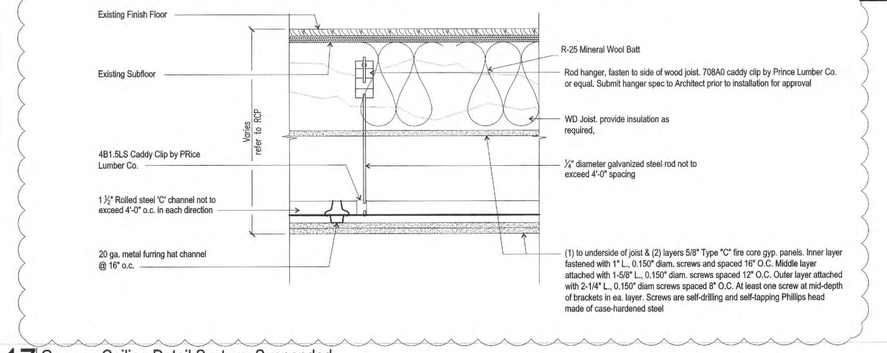
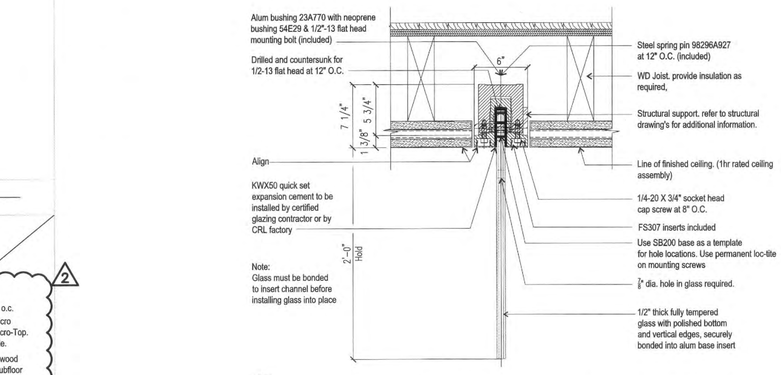
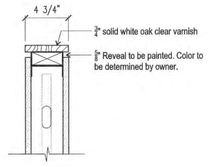


17 Gypsum Ceiling Detail System: Suspended
Scale: 1-1/2" = 1'-0" (3 Layers / 2HR. Rated)



NOTE:
Draft curtain of non-combustible material, at least 24" down from the ceiling to provide separation of the cooking facility from the dining space. Provide sprinkler heads constructed in accordance with the provisions of subchapter seventeen of the NYC DOB 1968 code. Sprinklers to be installed on the cooking facility side of the curtain, or any opening between the kitchen and dining space, sprinkler heads to be located within 24" of the curtain and spaced not more than 48" on center.

04 Smoke Soffit Detail
Scale: 1-1/2" = 1'-0"



08 Wood Rail Detail
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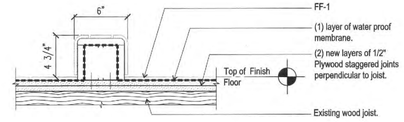

07 Curb Floor Detail
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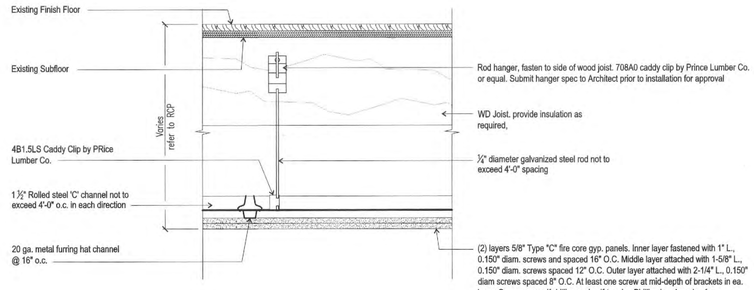

02 GWB Ceiling Detail System: Suspended
Scale: 1-1/2" = 1'-0"

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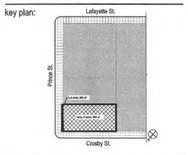
03/24/17	Reissued Bid Set - Revision No. 3
02/27/17	Reissued Bid Set - Revision No. 2
02/08/17	Issue Bid Set - Addendum 1
12/08/16	Issue Bid Set - Revision No. 1
11/15/16	Issue Bid Set

issue progress:

key plan:



seal:

date: 12-08-2016
project no.: 16-17
drawn by: --
checked by: --

sheet title:

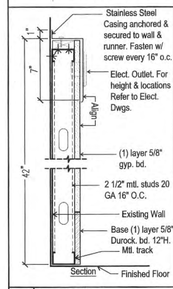
Details

drawing no.

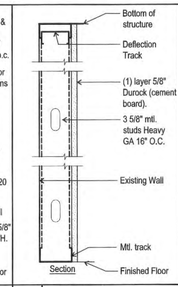
A-303.00

Partition Type Notes

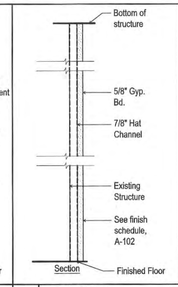
1. All anchors are to be submitted to Architect for approval prior to construction
2. Ref. Sheet A-102.00 for all finish materials
3. Ref. Sheet A-102.00 for all base materials
4. All partitions adjacent to hung clg, GWB shall extend full height to B.O. slab, unless otherwise specified.
5. All rated walls to comply w/ UL Design U404



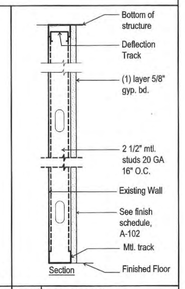
F4 | Low Wall_2-1/2" Furring



F3 | 3-5/8" Furring

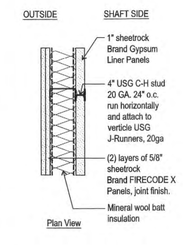


F2 | 7/8" Furring



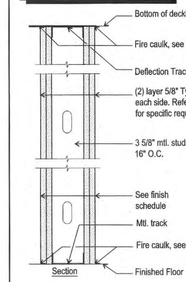
F1 | 2-1/2" Furring

UL Design: No. U-437 2 Hour Rating

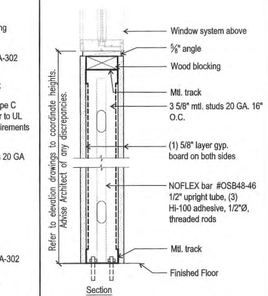


S1 | 2HR Rated Shaft

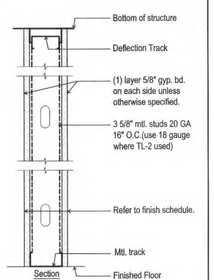
UL Design: No. U-404 2 Hour Rating



R2 | Rated - 2 Hour Wall



B | Low Height Non-Rated Wall



A | 5" Non-Rated Wall

Partition Types

01 Partiton Types
Scale: 1 1/2" = 1'-0"

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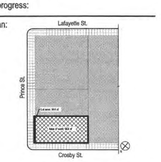
02/08/17	Issue Bid Set - Addendum 1
12/08/16	Issue Bid Set - Revision No. 1
11/15/16	Issue Bid Set

issue progress:

key plan:



seal:

date: 12-08-2016
project no.: 16-17
drawn by:
checked by:

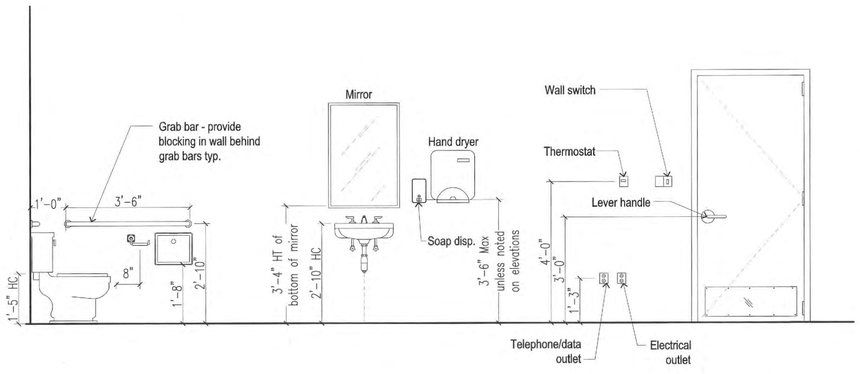
sheet title:

Partition Types

drawing no.

A-304.00

Mounting Heights for Accessibility



Restroom Key Notes:

1. 8'-0" high S/S corner guard
2. Wall blocking to be 3/4" thick fire retardant plywood. All wall blocking shall be concealed and securely attached to wall framing within walls (behind gyp. Board and/or finishes). Wall blocking lengths shown are minimum. Always extend wall blocking to next stud in each direction. Coordinate with food service and/or millwork drawings for exact heights and locations.
3. Black Schluter strip installed at outside corner
4. Wood Shelf secured to wall 2' O.C., refer to detail 11/A-401
5. Tile installed in vertical grid
6. Finish top edge of tile with black Schluter strip

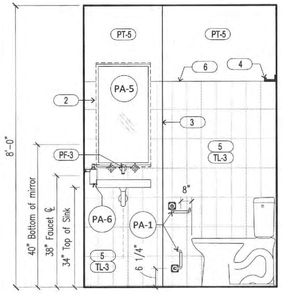
Plumbing Fixture Schedule

KEY	QTY	FIXTURE			FITTING			REMARKS
		TYPE	MANUFACTURE MODEL NO.	FINISH	TYPE	MANUFACTURE MODEL NO.	FINISH	
PF-1	2	Toilet	Toto - Drake ADA Compliant 1.6 GPF Elongated 2 Piece Toilet	Cotton	TBD	TBD	TBD	Install trip lever on approach side for ADA compliance
PF-2	1	ADA Sink	Ceramica - Urban Ceramica No Hole	White	TBD	TBD	TBD	
PF-3	2	Faucet	Kohler - Purist Two-Handle Cross 6-1/4" Reach Faucet (K-T14413-3-BN)	Brushed Nickel	TBD	TBD	TBD	
PF-4	1	Sink	Rejuvenation - Alape Bucket Sink	White	TBD	TBD	TBD	

Accessory Legend

SYMBOL	ITEM	MANUFACTURER	DESCRIPTION	REMARKS
PA-1	Toilet Paper Holder	Kohler	Purist Pivoting Toilet Tissue Holder - Brushed Nickel	Provided by contractor, Installed by GC. Provide 2 at each toilet, see elevation for mounting orientation. One is vertical and one is horizontal
PA-2	Grab Bars	Bobrick	1-½" (38mm) Diameter Brushed Nickel grab bars with snap flange. Refer to drawings for dimensions	Provided by contractor
PA-3	Coat Hook	Ferm Living	Brass Coat Hooks	Supplied by GC, installed by GC
PA-4	Hand Dryer	Dyson / Air Blade V	Hand Dryer	Provided by contractor
PA-5	Mirror	West Elm	Ledged Mirror	Provided by GC, installed by GC
PA-6	Soap Dispenser	Kohler	Purist Wall Mounted Soap Dispenser	Provided by contractor

11 Detail - Shelf
Scale: 1/2" = 1'-0"



10 Elevation
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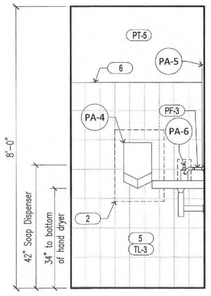

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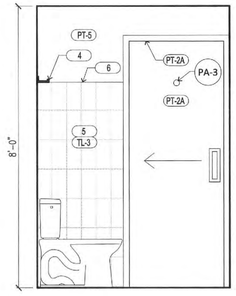

08 Elevation
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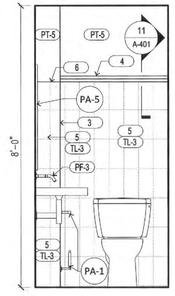
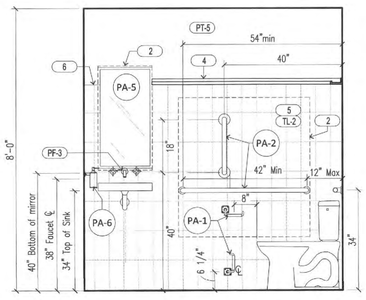


07 Elevation
Scale: 1/2" = 1'-0"

06 Plan
Scale: 1/2" = 1'-0"



05 Elevation
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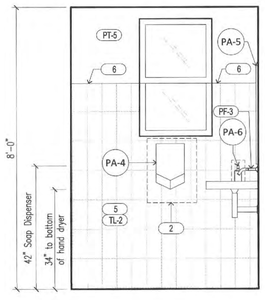

04 Elevation
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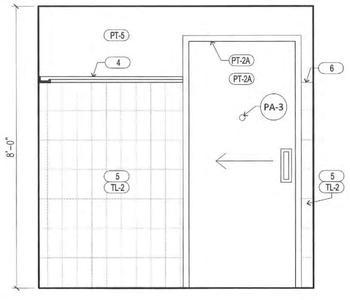

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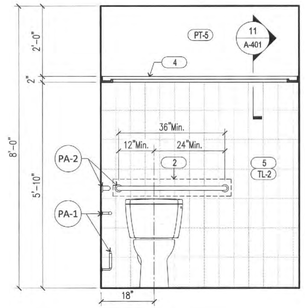

02 Elevation
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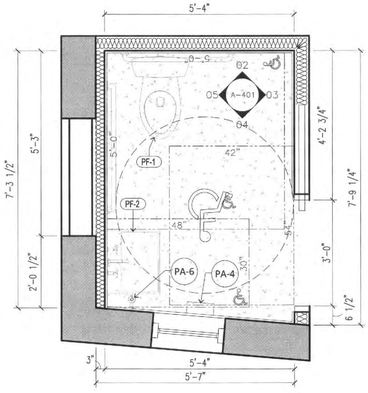

01 Plan
Scale: 1/2" = 1'-0"

3

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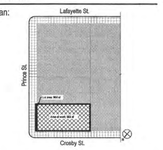
issue progress:

key plan:



seal:

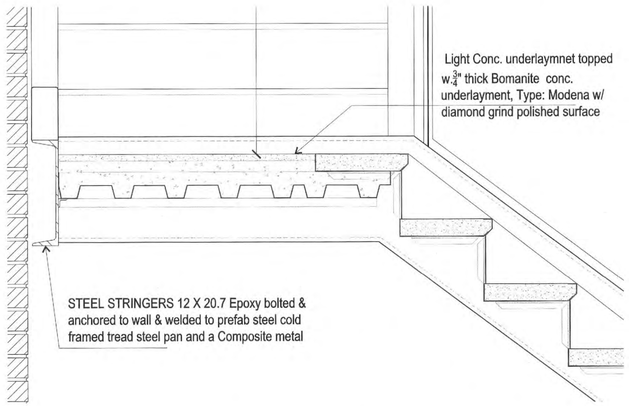
date: 12-08-2016
project no.: 16-17
drawn by: SG
checked by: --

sheet title:

Enlarged Restroom Plans & Elevations

drawing no.

A-401.00



06 Stair Landing Detail
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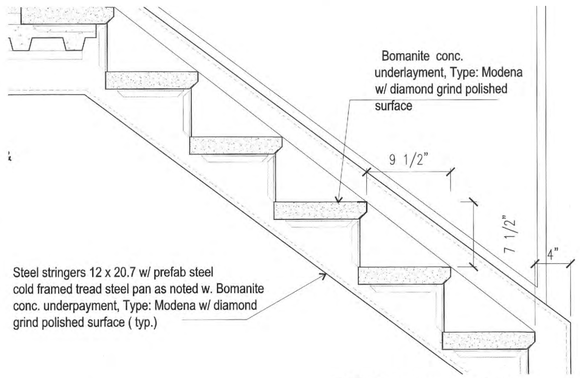
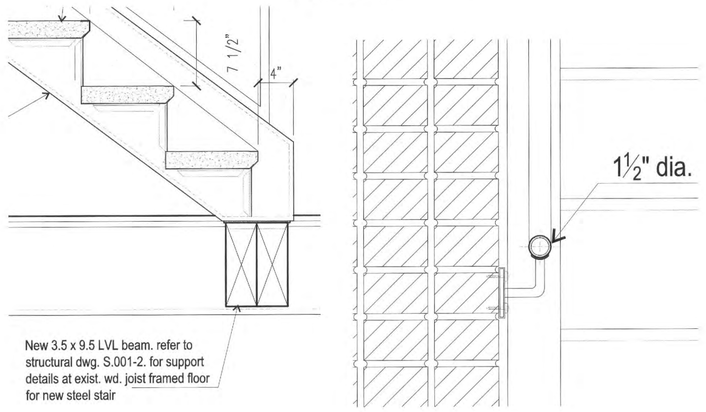
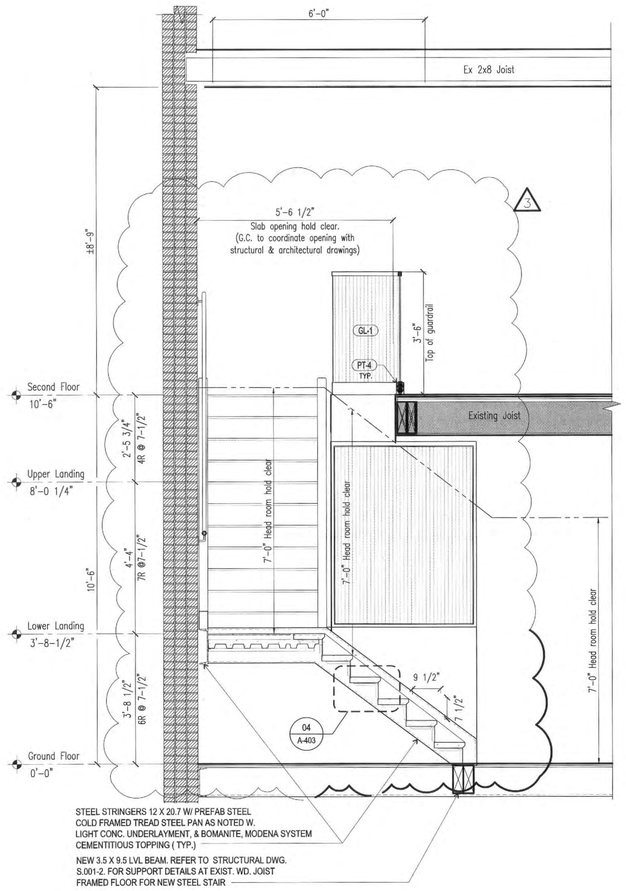


05 Stair Tread Detail
Scale: 1 1/2" = 1'-0"

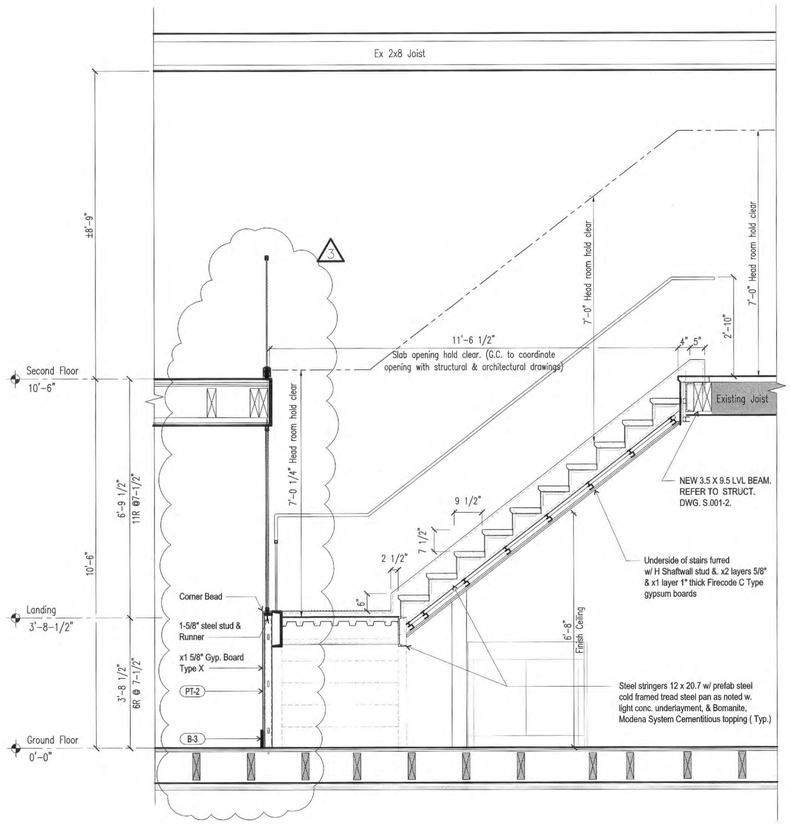


07 Stringer Connection @ Floor
Scale: 1 1/2" = 1'-0"

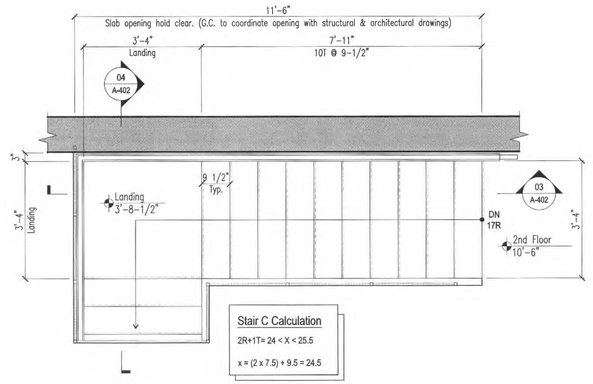
07 Handrail @ Stair
Scale: 3" = 1'-0"



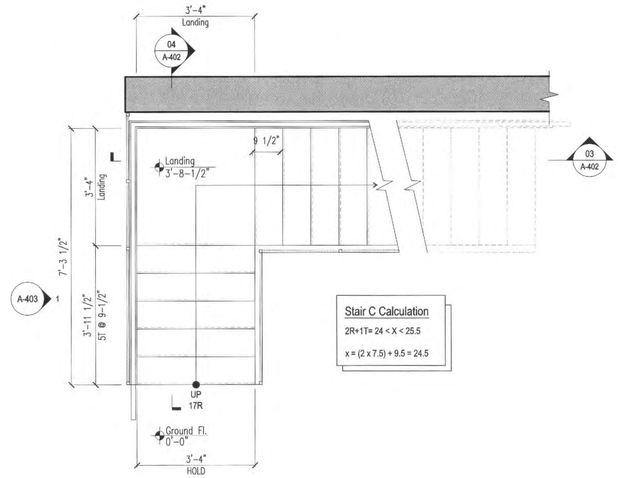
04 Stair Section
Scale: 1/2" = 1'-0"



03 Stair Section
Scale: 1/2" = 1'-0"



02 Enlarged Plan - Stair 'C' Second Floor
Scale: 1/2" = 1'-0"



01 Enlarged Plan - Stair 'C' First Floor
Scale: 1/2" = 1'-0"

architect / designer:
garrett singer
architecture & design
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Structural:
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Food Service:

project:

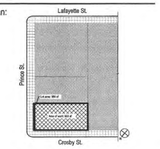
Dig Inn

70 Prince St.
New York, NY 10012

03/24/17	Reissued Bid Set - Revision No. 3
02/27/17	Reissued Bid Set - Revision No. 2
02/08/17	Issue Bid Set - Addendum 1
12/08/16	Issue Bid Set - Revision No. 1
11/15/16	Issue Bid Set

issue progress:

key plan:



seal:

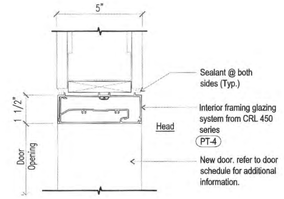
date: 12-08-2016
project no.: 16-17
drawn by: SG
checked by: --

sheet title:

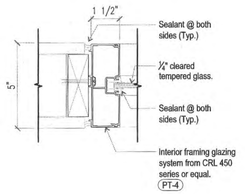
Enlarged Stair Plan, Sections & Details

drawing no.

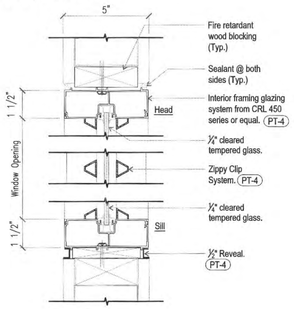
A-402.00



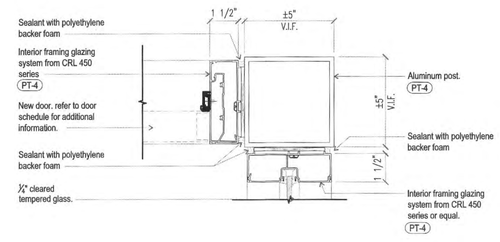
07 Door: Head Detail
Scale: 3" = 1'-0"



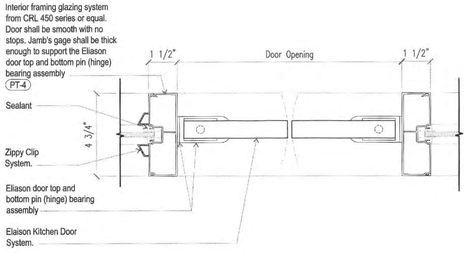
06 Window: Jamb Detail
Scale: 3" = 1'-0"



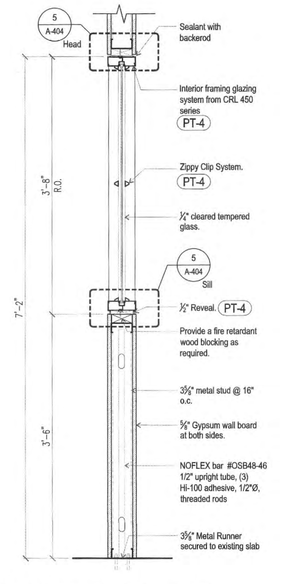
05 Window: Head/Sill Detail
Scale: 3" = 1'-0"



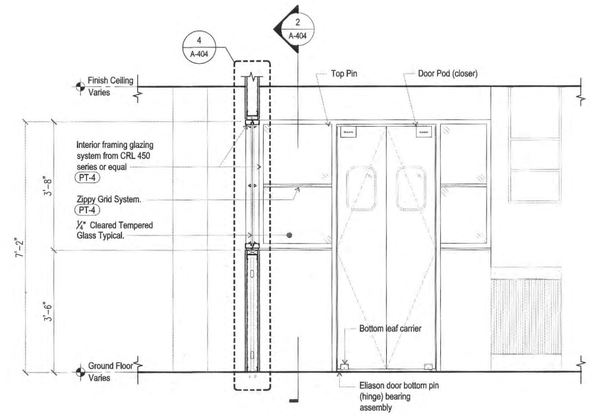
09 Door: Corner Jamb Detail
Scale: 3" = 1'-0"



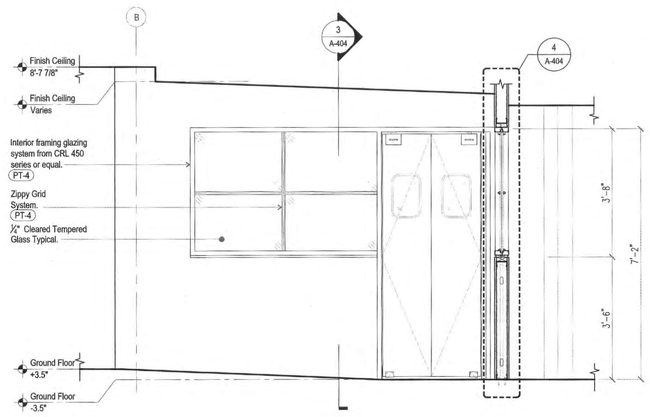
08 Door: Jamb Detail
Scale: 3" = 1'-0"



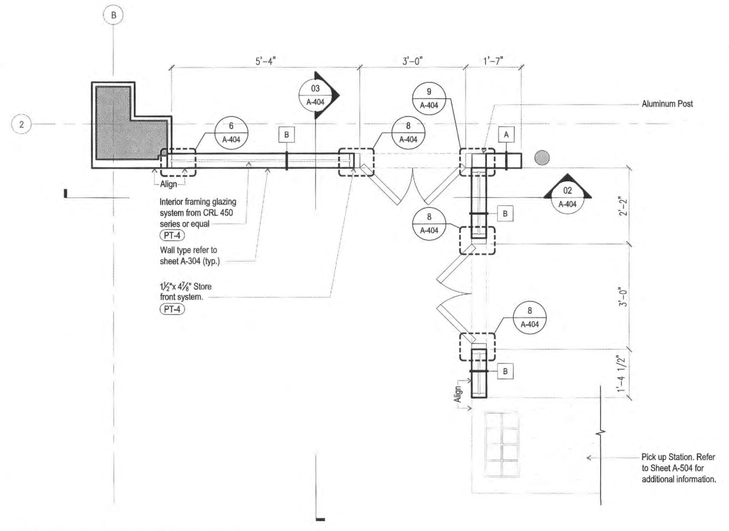
04 Section Detail: Window Wall
Scale: 1" = 1'-0"



03 Elevation: Window Wall
Scale: 1/2" = 1'-0"



02 Elevation: Window Wall
Scale: 1/2" = 1'-0"



01 Enlarge Plan: Window Wall
Scale: 1/2" = 1'-0"

architect / designer:

garrett singer
architecture & design

8 east palisade avenue, loft A
englewood, new jersey 07031
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garrettsinger.com

consultants:

Structural:

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MEP:

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200 Park Ave. S. Suite 916
New york new york 10003
T 212.253.7303 f 212.253.6512

Food Service:

project:

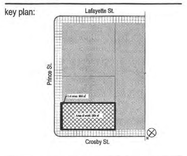
Dig Inn

70 Prince St.
New York, NY 10012

03/24/17	Reissued Bid Set - Revision No. 3
02/27/17	Reissued Bid Set - Revision No. 2
02/08/17	Issue Bid Set - Addendum 1
12/08/16	Issue Bid Set - Revision No. 1
11/15/16	Issue Bid Set

issue progress:

key plan:



seal:

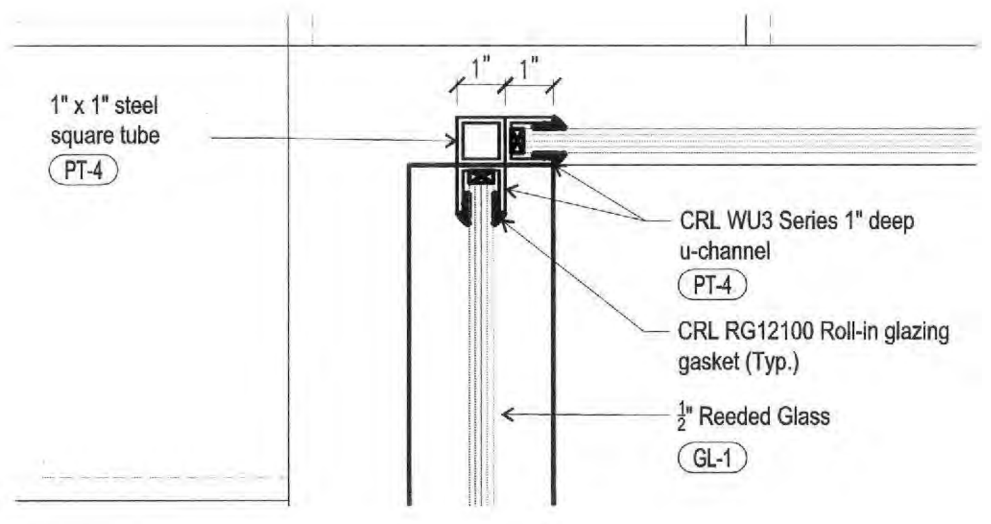
date: 12-08-2016
project no.: 16-17
drawn by:
checked by:

sheet title:

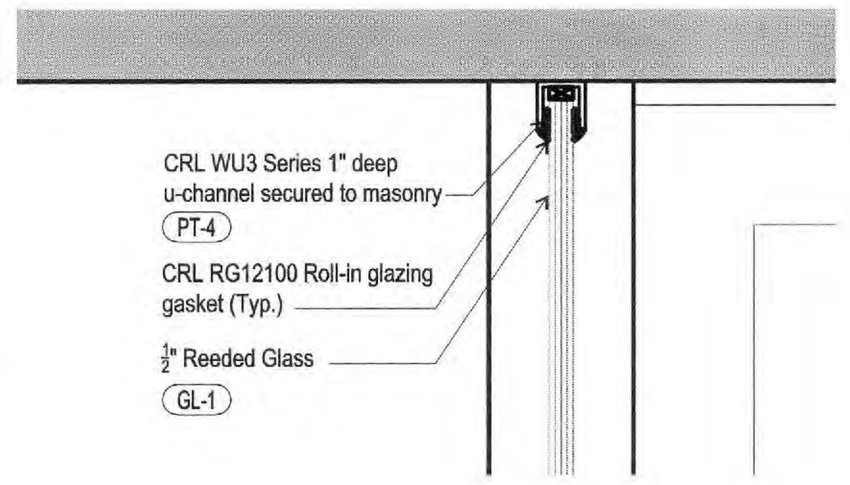
Enlarge Window Wall

drawing no.

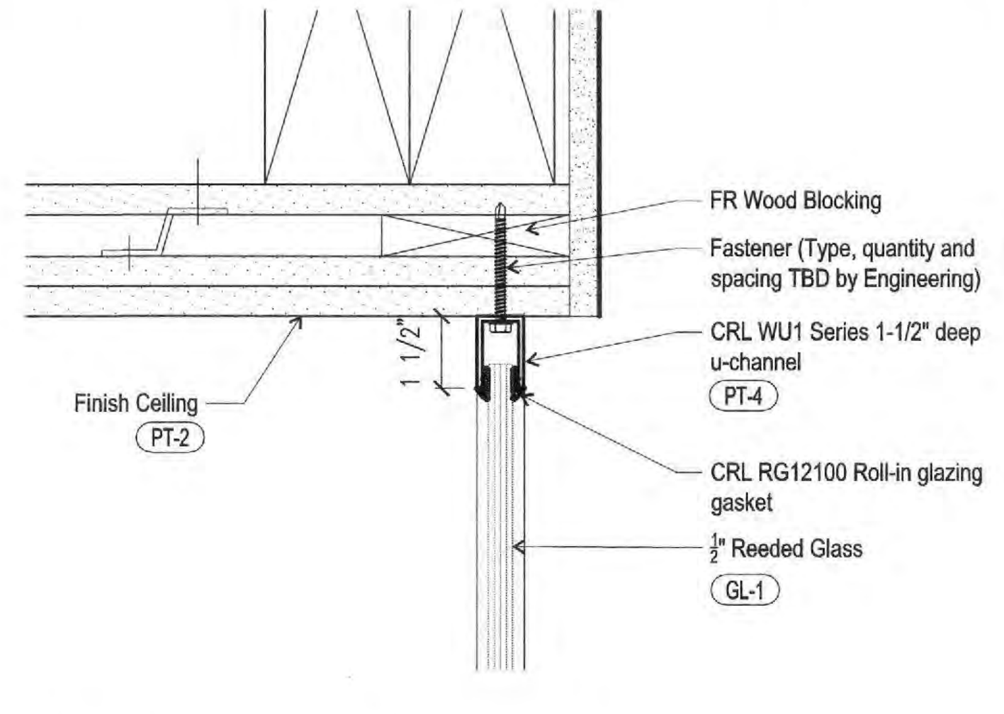
A-404.00



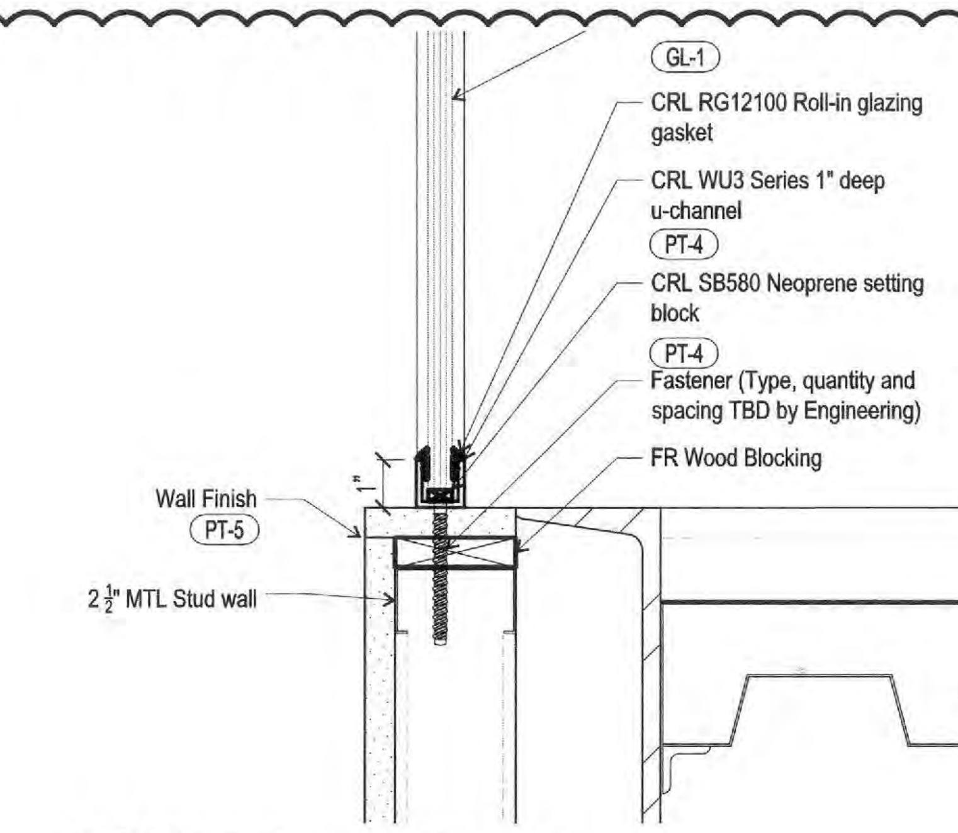
12 Stair Guard/Railing Elevation
Scale: 1/2" = 1'-0"



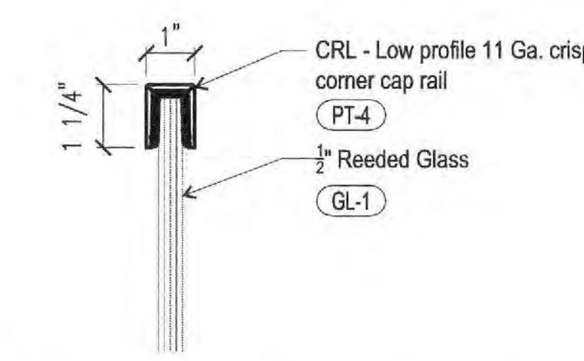
11 Stair Guard/Railing Elevation
Scale: 1/2" = 1'-0"



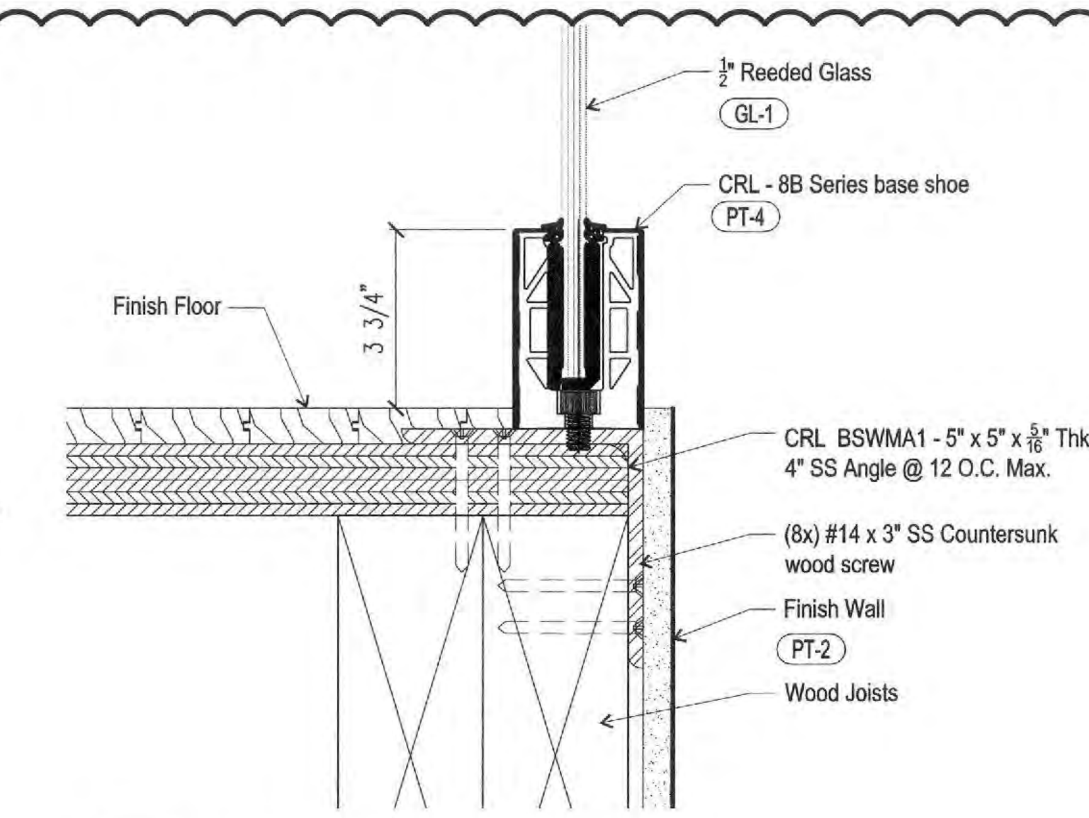
10 Stair Guard/Railing Elevation
Scale: 1/2" = 1'-0"



09 Stair Guard/Railing Elevation
Scale: 1/2" = 1'-0"



08 Stair Guard/Railing Elevation
Scale: 1/2" = 1'-0"

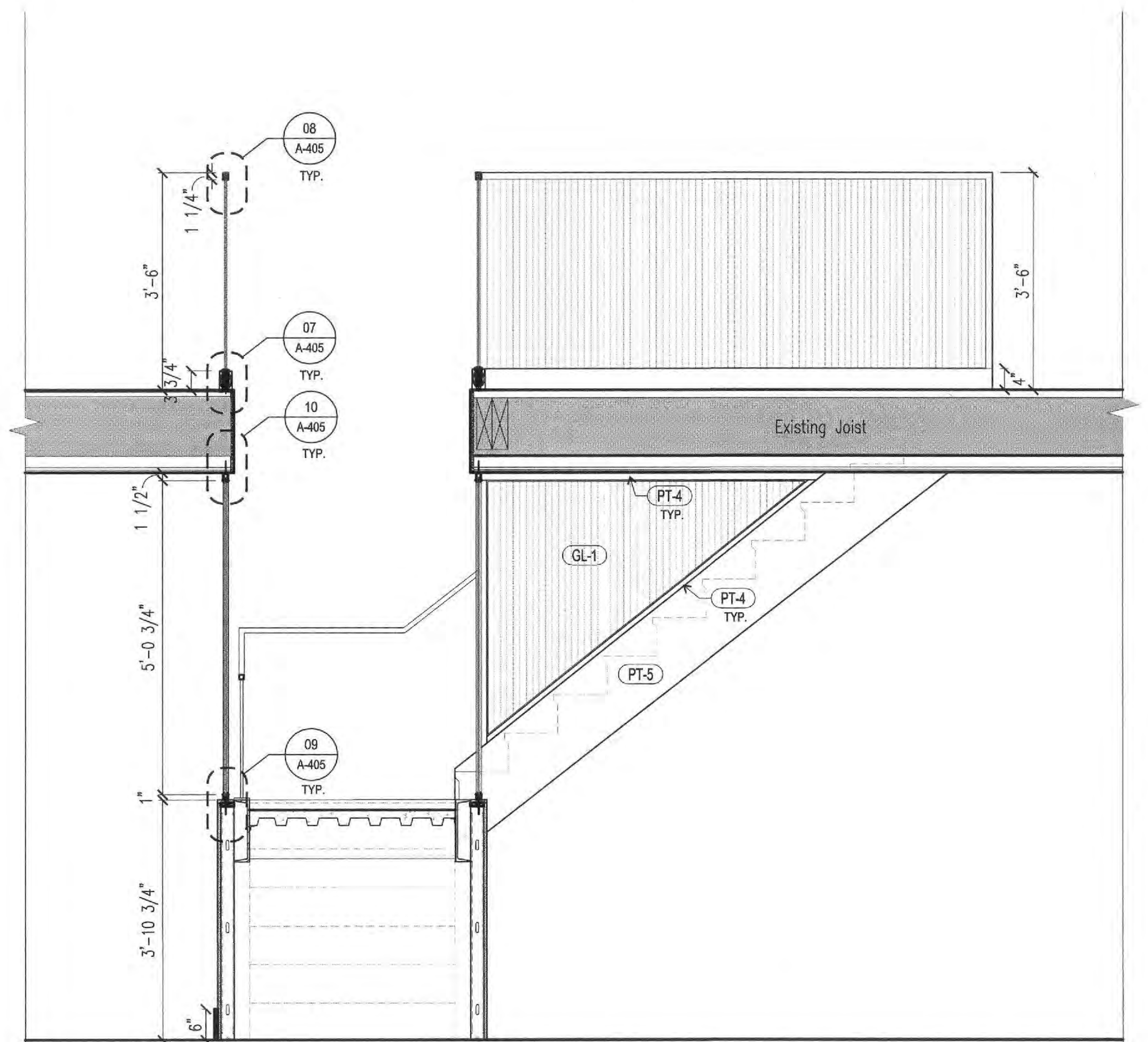


07 Stair Guard/Railing Elevation
Scale: 1/2" = 1'-0"

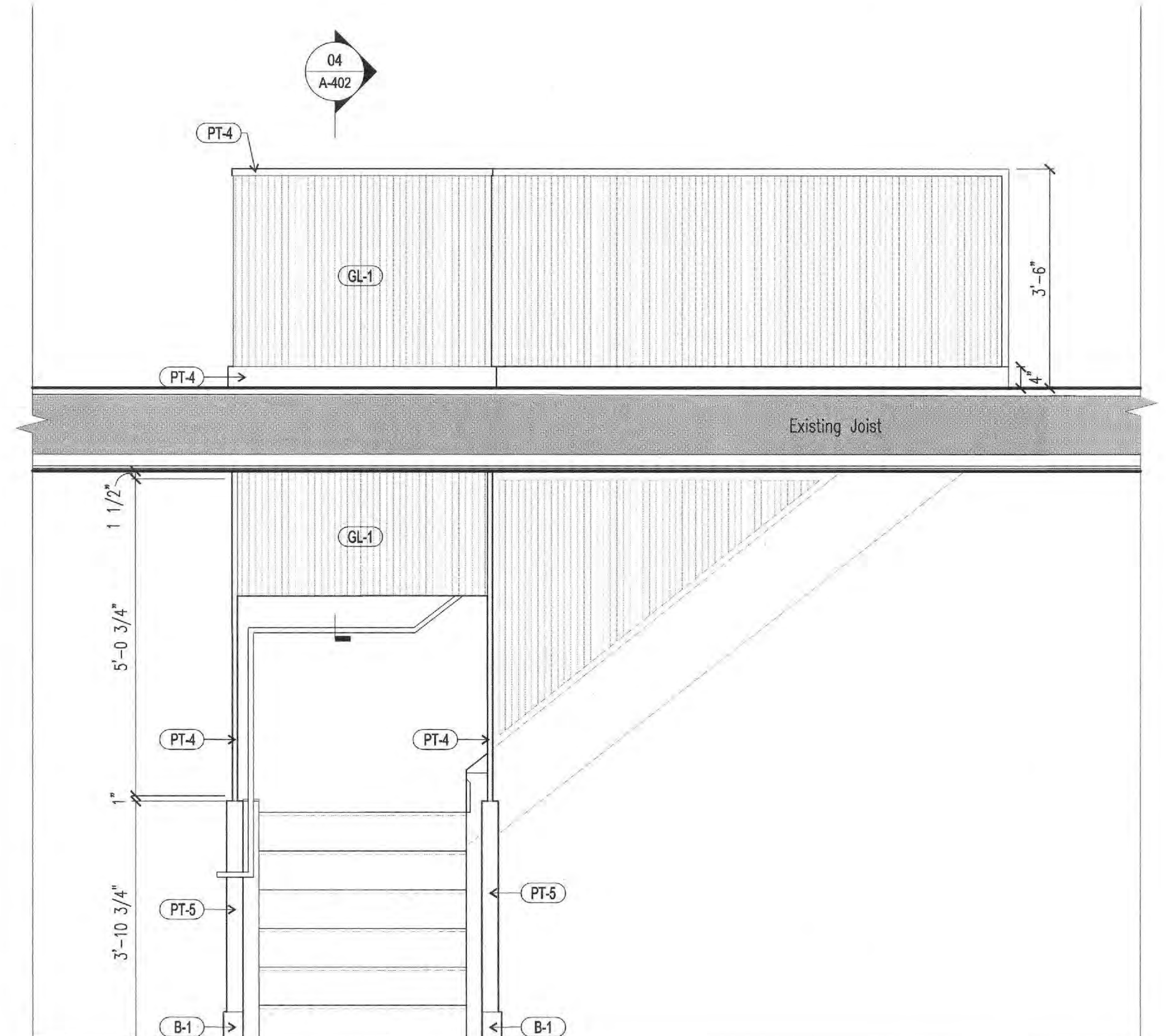
Millwork General Notes:

A GC to submit shopdrawings of all Millwork, Stairs and Stair details to Client and Architect for approval prior to fabrication

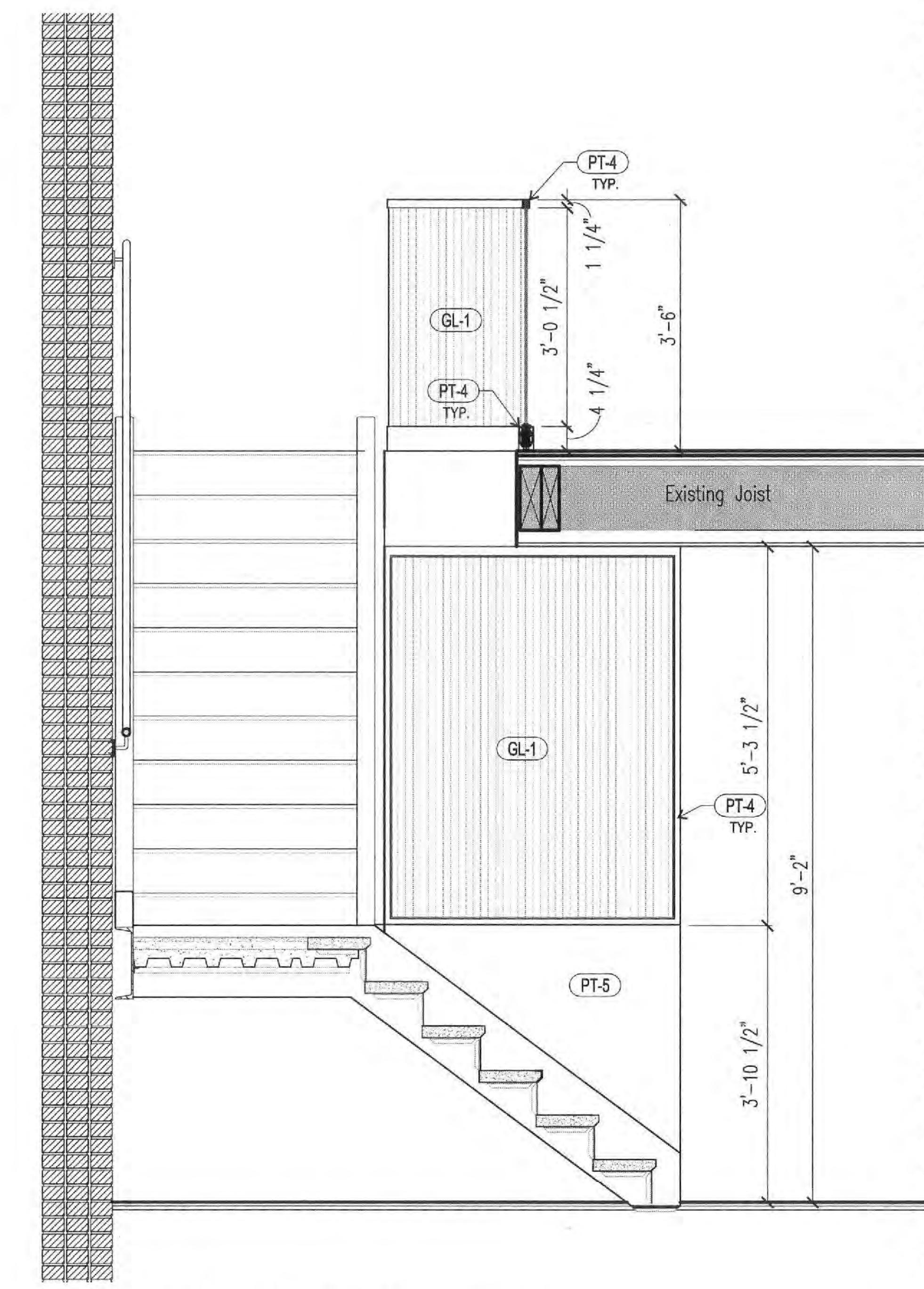
B GC to submit samples of all finishes to Client and Archtiect for approval prior to fabrication.



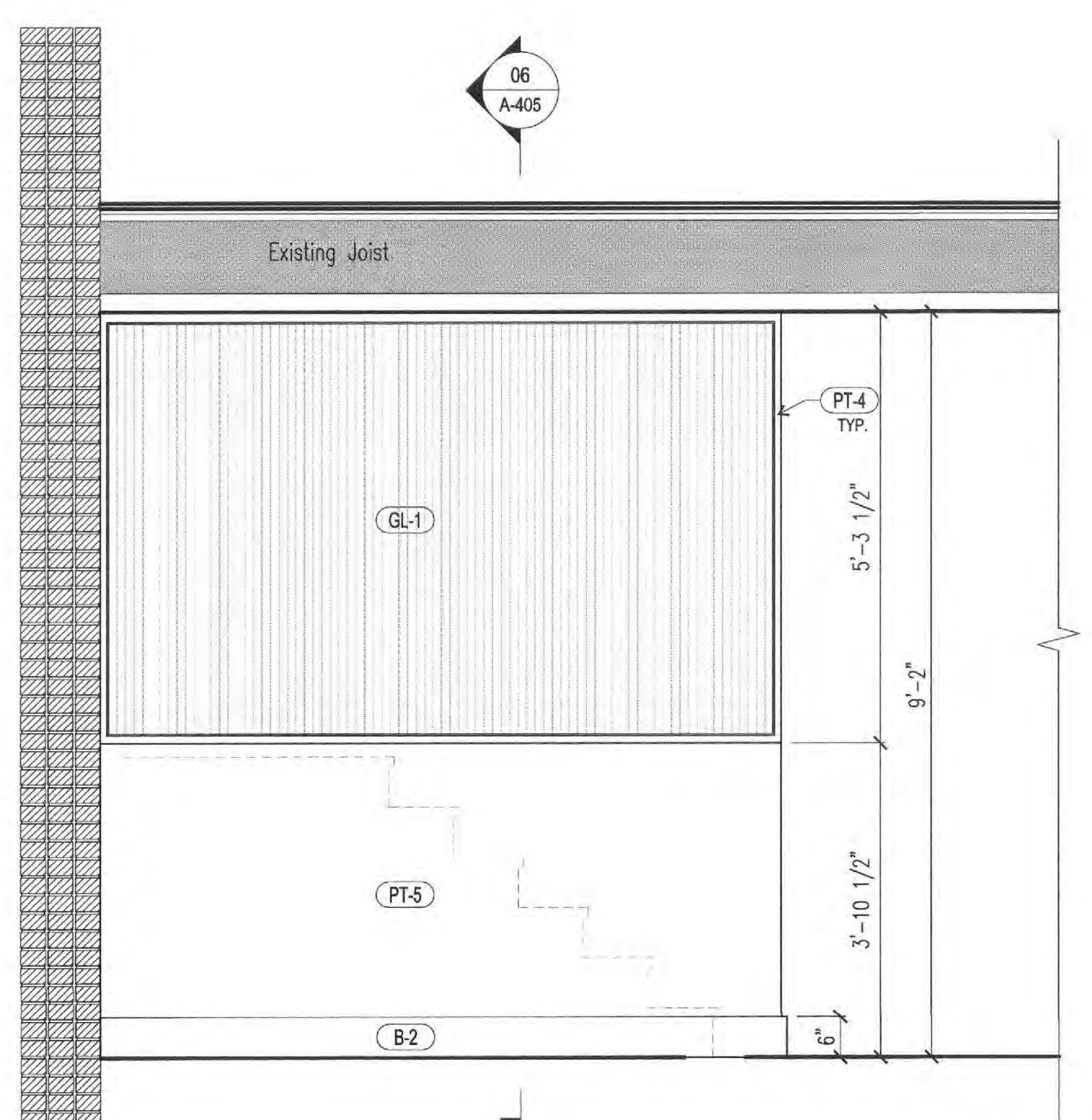
06 Stair Guard/Railing Elevation
Scale: 1/2" = 1'-0"



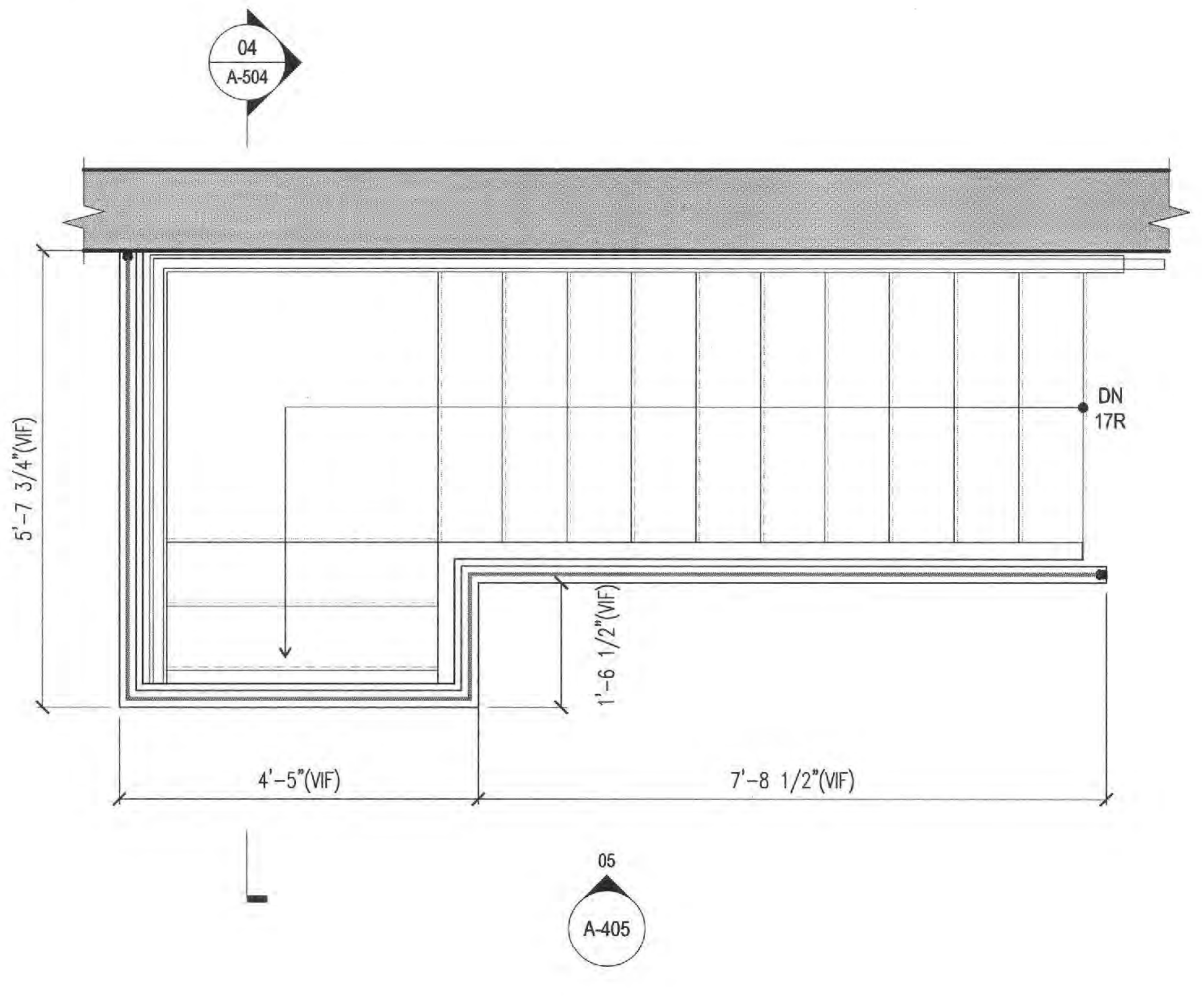
05 Stair Guard/Railing Elevation
Scale: 1/2" = 1'-0"



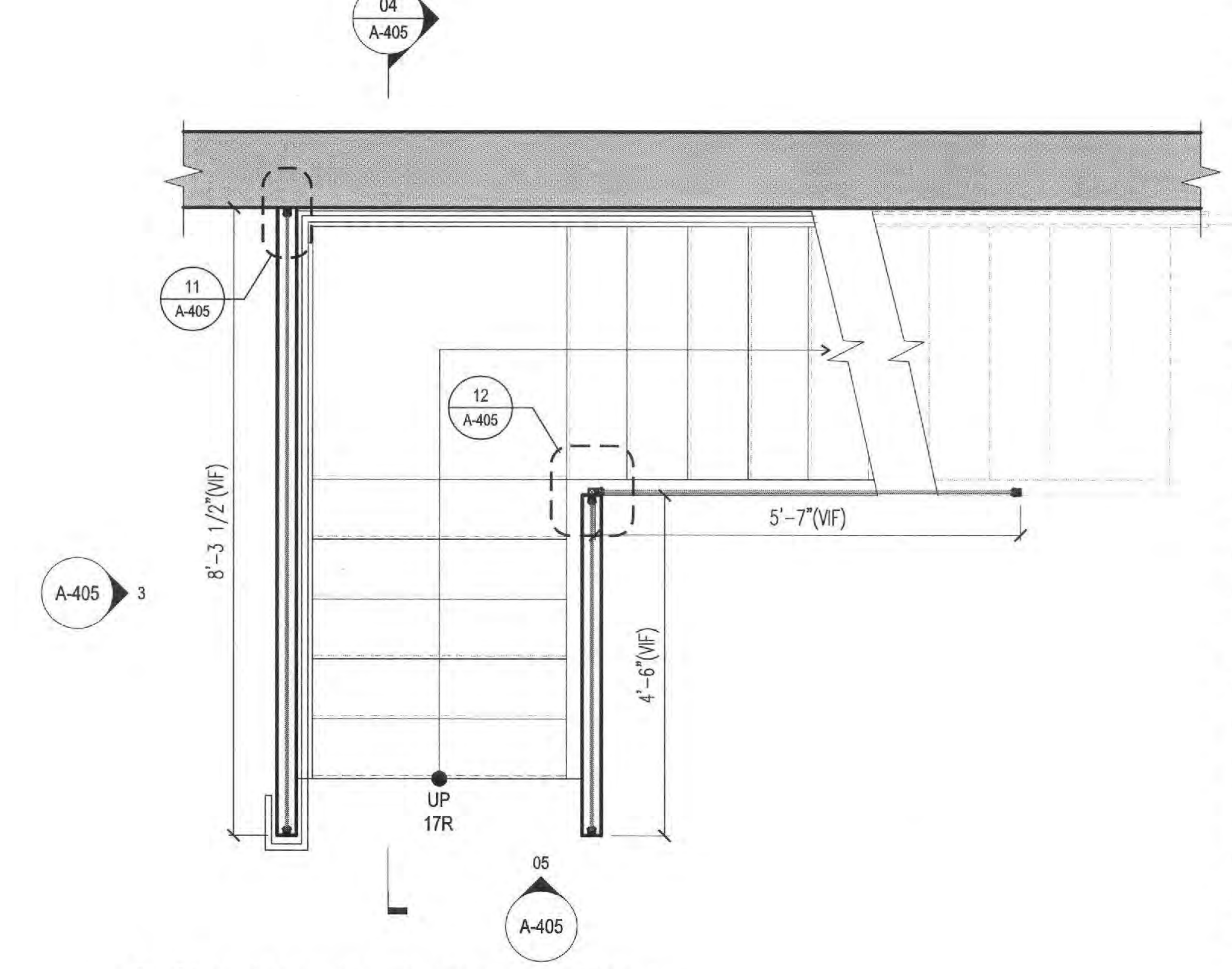
04 Stair Guard/Railing Elevation
Scale: 1/2" = 1'-0"



03 Stair Guard/Railing Elevation
Scale: 1/2" = 1'-0"



02 Stair Railing Plan - 2nd Floor
Scale: 1/2" = 1'-0"



01 Stair Enclosure Plan - 1st Floor
Scale: 1/2" = 1'-0"

architect / designer:

garrett singer
architecture & design

consultants:

Structural:

MEP:

Food Service:

project:

Dig Inn

70 Prince St.
New York, NY 10012

03/24/17	Reissued Bid Set - Revision No. 3
02/27/17	Reissued Bid Set - Revision No. 2
02/08/17	Issue Bid Set - Addendum 1
12/08/16	Issue Bid Set - Revision No. 1
11/15/16	Issue Bid Set

issue progress:

key plan:

seal:

date: 12-08-2016
project no.: 16-17
drawn by:
checked by:

4.7.17

sheet title:

Enlarged Stair Enclosure & Railing

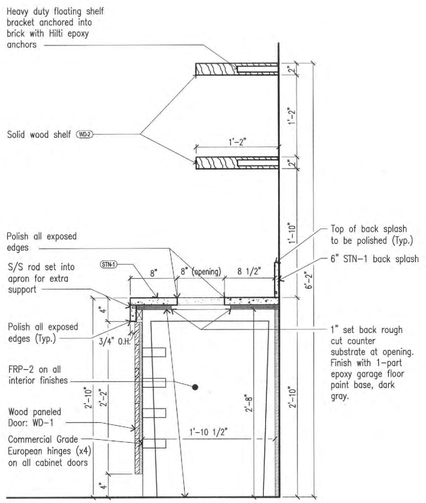
drawing no.

A-405.00

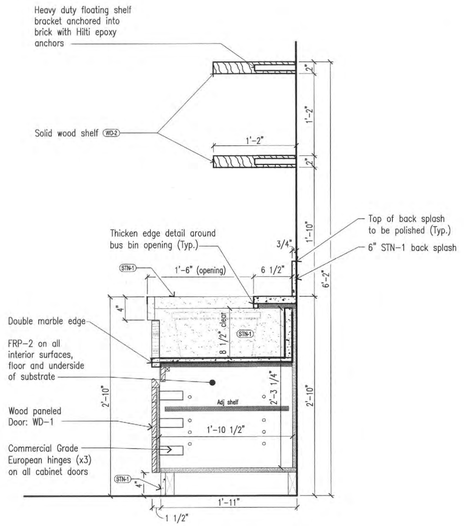
Millwork General Notes:

A GC to submit shopdrawings of all Millwork, Stairs and Stair details to Client and Architect for approval prior to fabrication

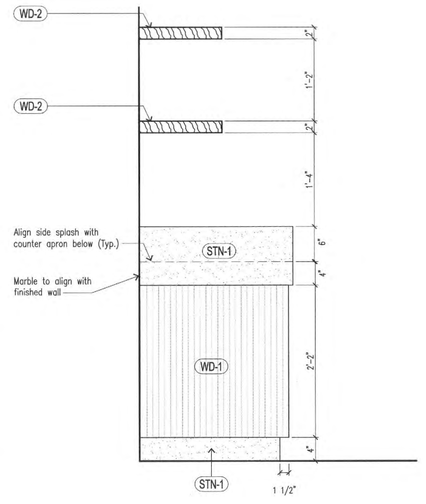
B GC to submit samples of all finishes to Client and Archtiect for approval prior to fabrication.



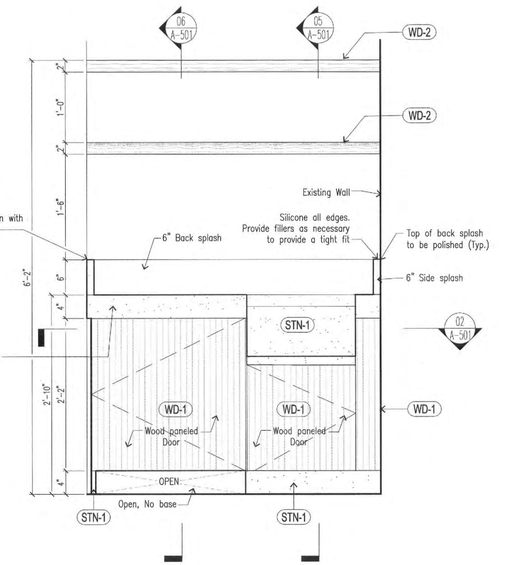
06 Section
Scale: 1" = 1'-0"



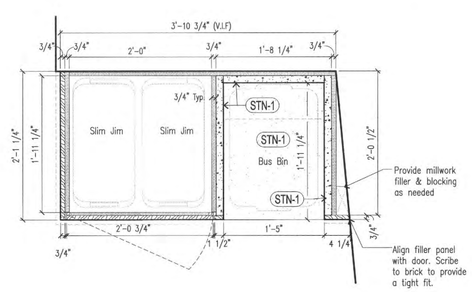
05 Section
Scale: 1" = 1'-0"



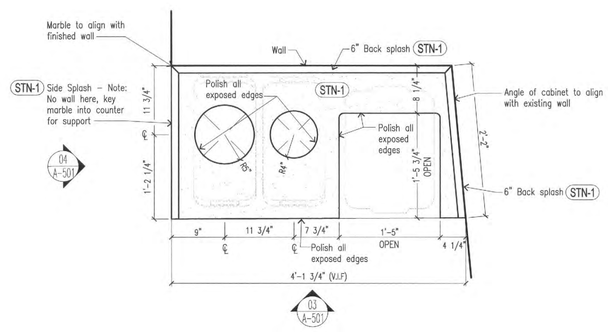
04 Side View
Scale: 1" = 1'-0"



03 Front View
Scale: 1" = 1'-0"



02 Plan Section
Scale: 1" = 1'-0"



01 Top View
Scale: 1" = 1'-0"

architect / designer:

garrett singer
architecture & design

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englewood, new jersey 07631
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MEP:

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Food Service:

project:

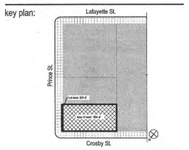
Dig Inn

70 Prince St.
New York, NY 10012

03/24/17	Reissued Bid Set - Revision No. 3
02/27/17	Reissued Bid Set - Revision No. 2
02/08/17	Issue Bid Set - Addendum 1
12/08/16	Issue Bid Set - Revision No. 1
11/15/16	Issue Bid Set

issue progress:

key plan:



seal:

date: 12-08-2016
project no.: 16-17
drawn by:
checked by:

sheet title:

Milwork Garbage Station

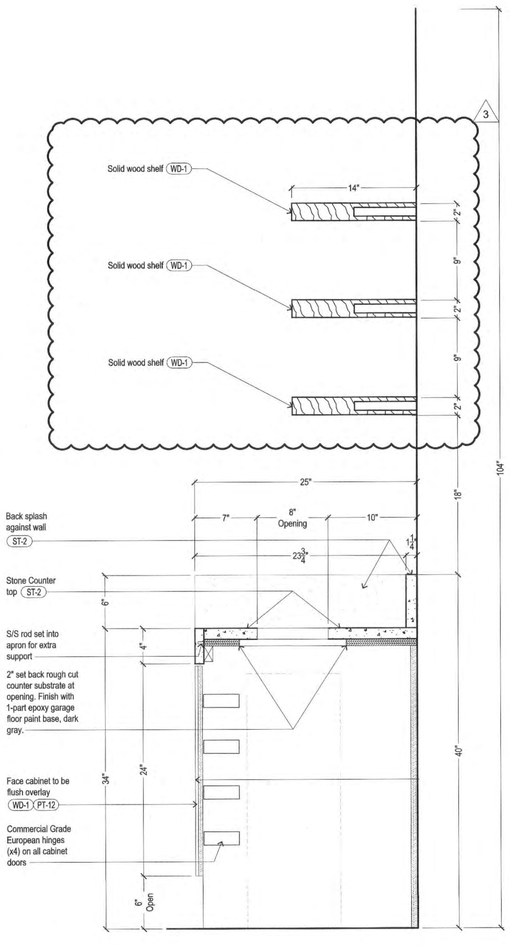
drawing no.

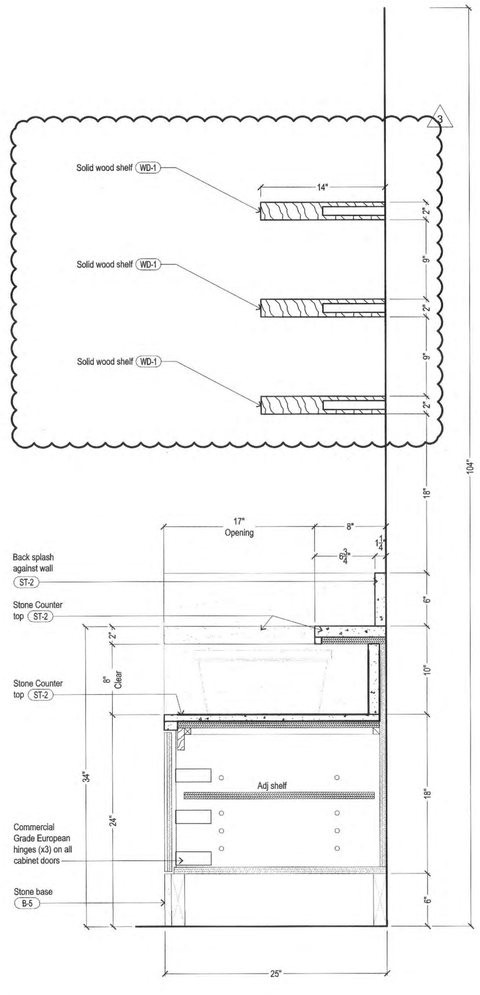
A-501.00

Millwork General Notes:

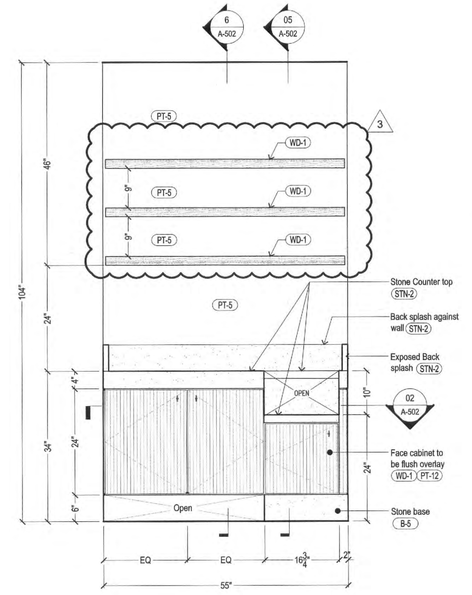
A GC to submit shopdrawings of all Millwork, Stairs and Stair details to Client and Architect for approval prior to fabrication

B GC to submit samples of all finishes to Client and Archtiect for approval prior to fabrication.

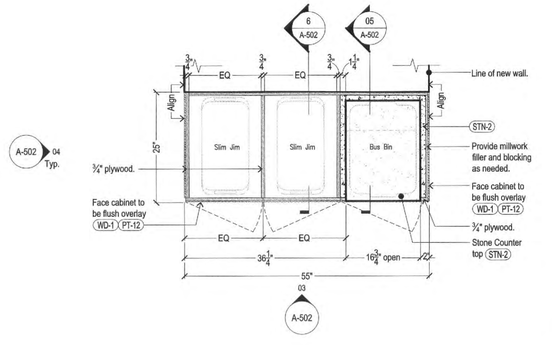




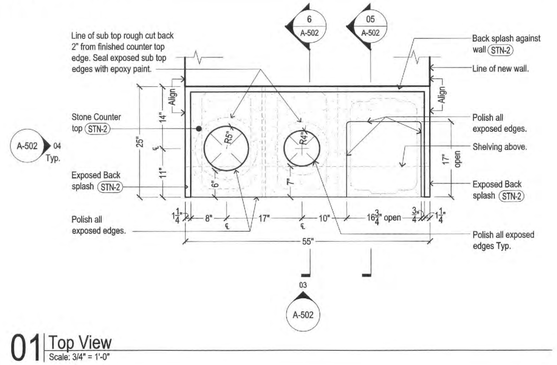
04 Side View: Elevation
Scale: 3/4" = 1'-0"



03 Front View: Elevation
Scale: 3/4" = 1'-0"



02 Top View: Section
Scale: 3/4" = 1'-0"



01 Top View
Scale: 3/4" = 1'-0"

architect / designer:

garrett singer
architecture & design

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consultants:

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MEP:

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New york, new york 10003
T 212.253.7303 f 212.253.6512

Food Service:

project:

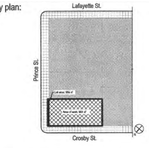
Dig Inn

70 Prince St.
New York, NY 10012

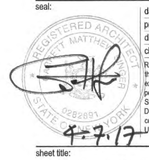
03/24/17	Reissued Bid Set - Revision No. 3 (3)
02/27/17	Reissued Bid Set - Revision No. 2 (2)
02/08/17	Issue Bid Set - Addendum 1
12/08/16	Issue Bid Set - Revision No. 1 (1)
11/15/16	Issue Bid Set

issue progress:

key plan:



seal:



date: 12-08-2016
project no.: 16-17
drawn by:
checked by:

sheet title:

Millwork Waiter/Bus Station

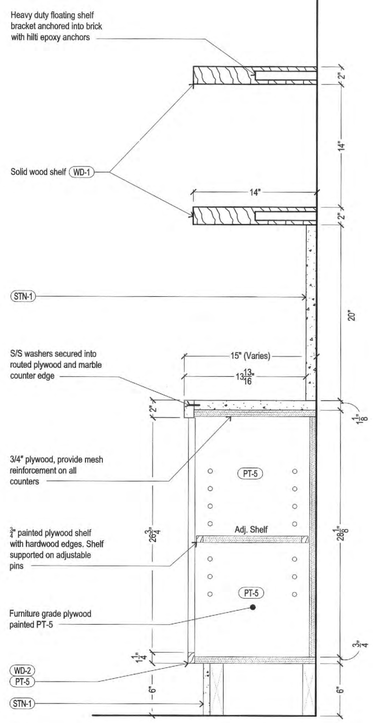
drawing no.

A-502.00

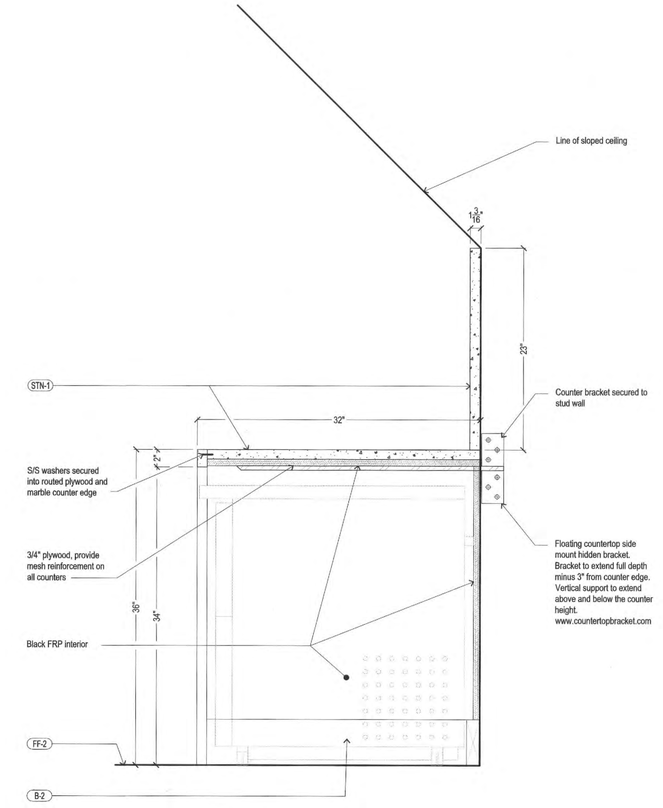
Millwork General Notes:

A GC to submit shopdrawings of all Millwork, Stairs and Stair details to Client and Architect for approval prior to fabrication

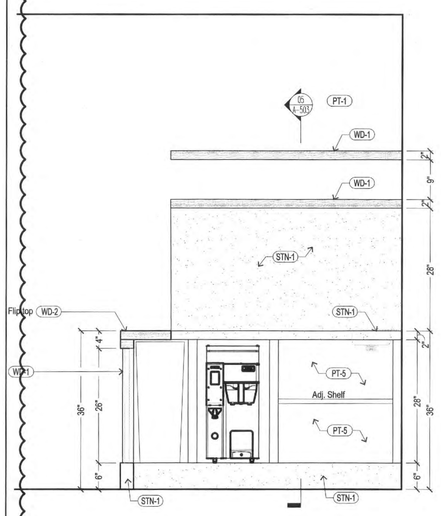
B GC to submit samples of all finishes to Client and Archtiect for approval prior to fabrication.



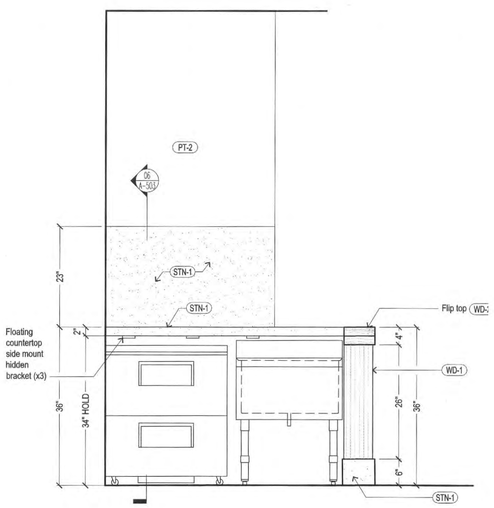
06 Section
Scale: 1-1/2" = 1'-0"



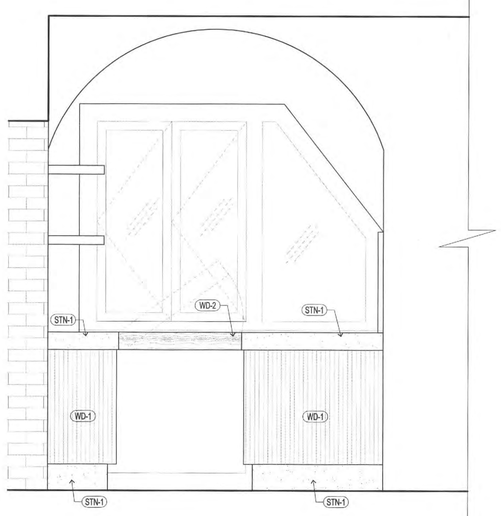
05 Section
Scale: 1-1/2" = 1'-0"



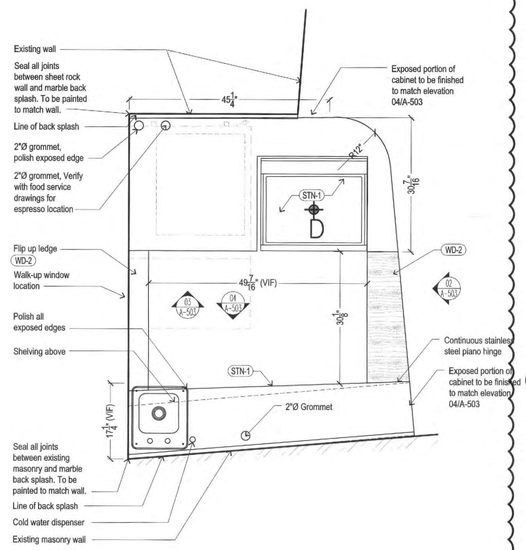
04 Side View
Scale: 3/4" = 1'-0"



03 Side View
Scale: 3/4" = 1'-0"



02 Front View
Scale: 3/4" = 1'-0"



01 Top View
Scale: 3/4" = 1'-0"

architect / designer:

garrett singer
architecture & design

6 east palisade avenue, loft A
englewood, new jersey 07631
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garrettsinger.com

consultants:

Structural:

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MEP:

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200 Park Ave. S. Suite 916
New york new york 10003
T 212.253.7303 F 212.253.6512

Food Service:

project:

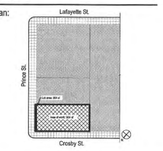
Dig Inn

70 Prince St.
New York, NY 10012

03/24/17	Reissued Bid Set - Revision No. 3 (3)
02/27/17	Reissued Bid Set - Revision No. 2 (2)
02/08/17	Issue Bid Set - Addendum 1
12/08/16	Issue Bid Set - Revision No. 1 (1)
11/15/16	Issue Bid Set

issue progress:

key plan:



seal:

date: 12-08-2016
project no.: 16-17
drawn by:
checked by:

sheet title:

Millwork - Coffee Counter

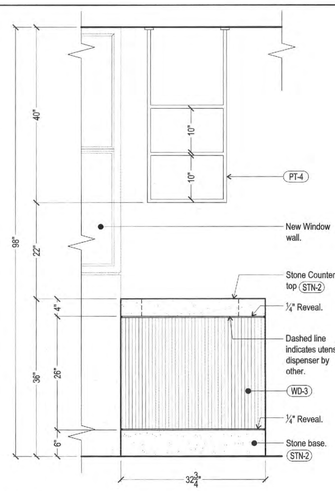
drawing no.

A-503.00

Millwork General Notes:

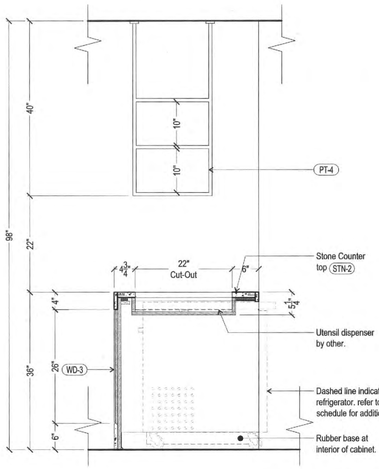
A GC to submit shopdrawings of all Millwork, Stairs and Stair details to Client and Architect for approval prior to fabrication

B GC to submit samples of all finishes to Client and Archtiect for approval prior to fabrication.



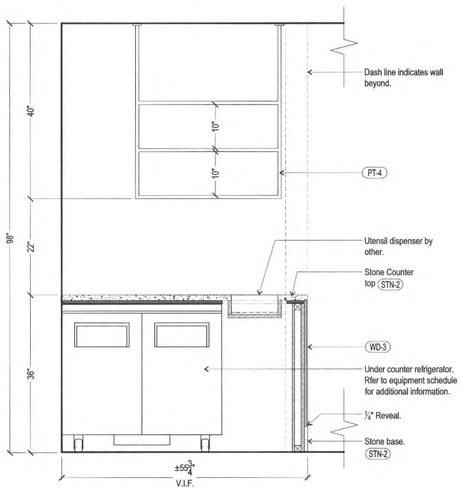
03 Side Elevation

Scale: 3/4" = 1'-0"



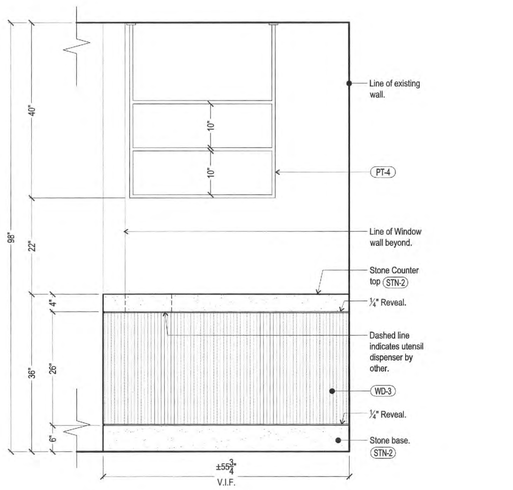
05 Section

Scale: 3/4" = 1'-0"



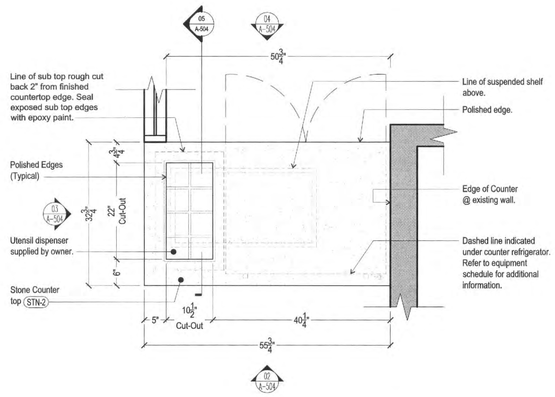
04 Rear Elevation/Section

Scale: 3/4" = 1'-0"



02 Front Elevation

Scale: 3/4" = 1'-0"



01 Top View

Scale: 3/4" = 1'-0"

architect / designer:

garrett singer
architecture & design

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garrett@sgnr.com

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MEP:

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New york new york 10003
T 212.253.7001 F 212.253.6512

Food Service:

project:

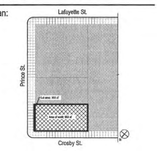
Dig Inn

70 Prince St.
New York, NY 10012

03/24/17	Reissued Bid Set - Revision No. 3 (3)
02/27/17	Reissued Bid Set - Revision No. 2 (2)
02/08/17	Issue Bid Set - Addendum 1
12/08/16	Issue Bid Set - Revision No. 1 (1)
11/15/16	Issue Bid Set

issue progress:

key plan:



seal:

REGISTERED ARCHITECT MATTHEW SINGER 026826 STATE OF NEW YORK

4.7.17

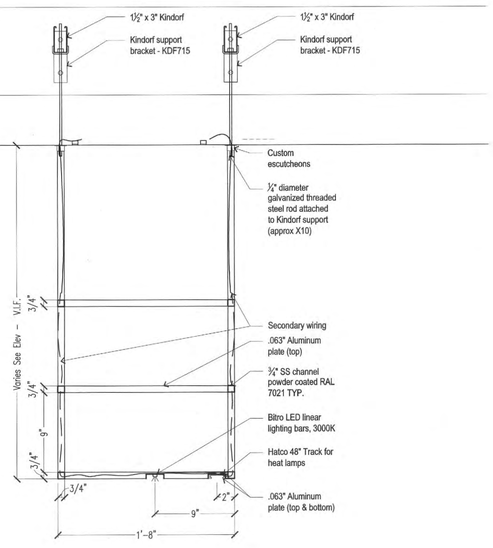
date: 12-08-2016
project no.: 16-17
drawn by:
checked by:

sheet title:

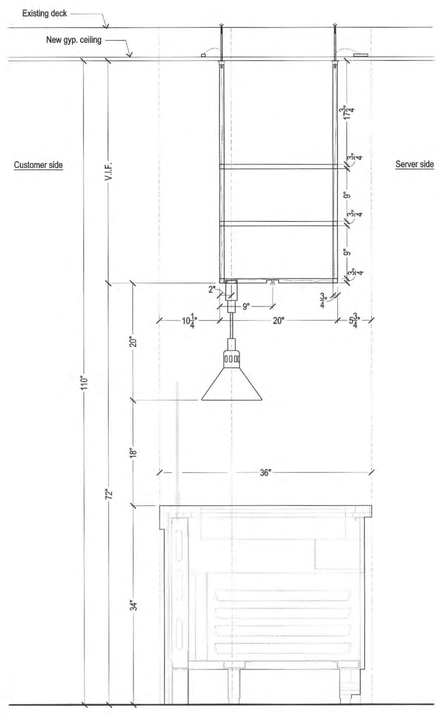
Millwork - Pick Up Shelves/Counter

drawing no.

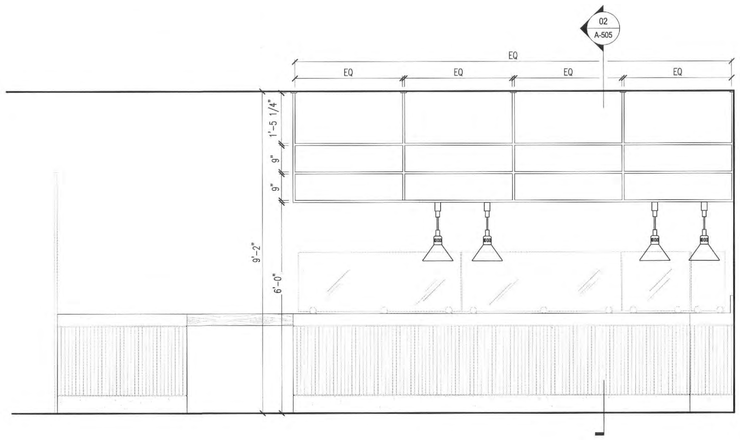
A-504.00



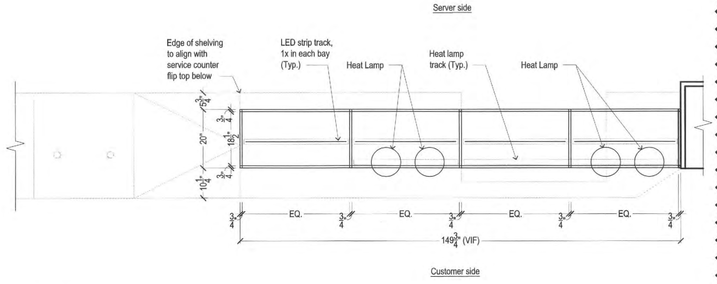
04 Detail
Scale: 1" = 1'-0"



02 Section
Scale: 1" = 1'-0"



03 Elevation
Scale: 1/2" = 1'-0"



01 Plan
Scale: 1/2" = 1'-0"

architect / designer:

garrett singer
architecture & design

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consultants:

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MEP:

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Food Service:

project:

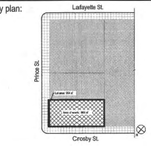
Dig Inn

70 Prince St.
New York, NY 10012

03/24/17	Reissued Bid Set - Revision No. 3 (3)
02/27/17	Reissued Bid Set - Revision No. 2 (2)
02/08/17	Issue Bid Set - Addendum 1
12/08/16	Issue Bid Set - Revision No. 1 (1)
11/15/16	Issue Bid Set

issue progress:

key plan:



seal:

date:	12-08-2016
project no.:	16-17
drawn by:	
checked by:	

sheet title:

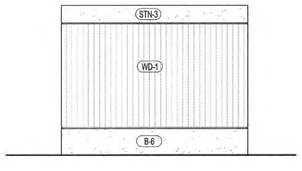
Suspended Shelving

drawing no.

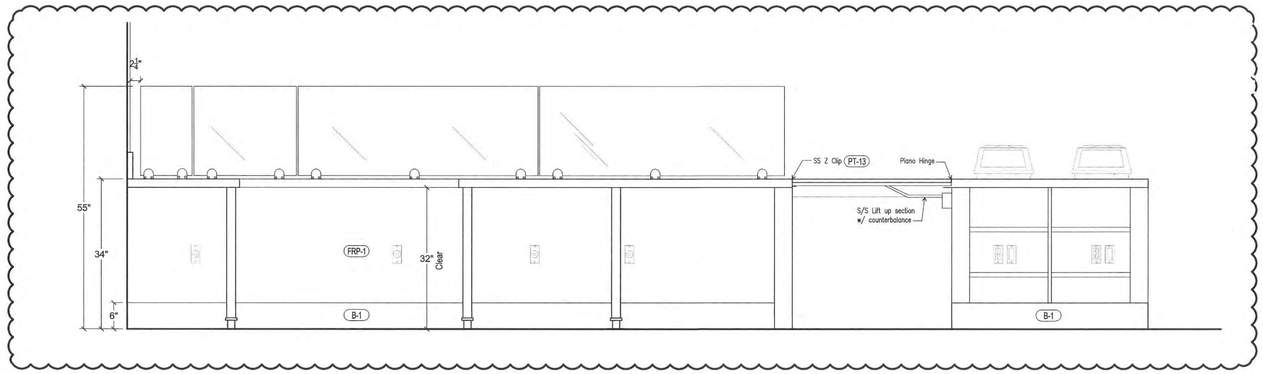
A-505.00

Millwork General Notes:

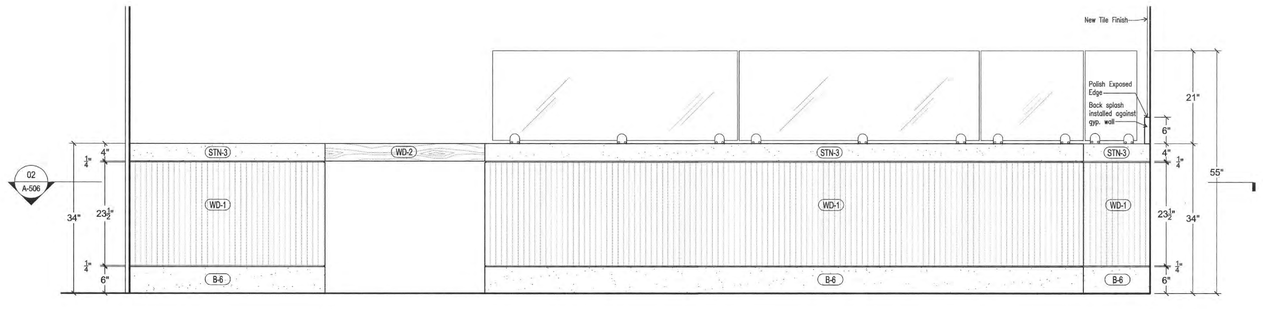
A	GC to submit shopdrawings of all Millwork, and details to Client and Architect for approval prior to fabrication
B	GC to submit samples of all finishes to Client and Archtiect for approval prior to fabrication.
C	Flanges for all drop-In ewuipment to be siliconed to countertop in field
D	J-Boxes provided in utility chase for electric, wiring by GC in field
E	Inform architect of any changes required dur to field conditions ASAP.
F	KES to confirm all cut out dimensions for kitchen equipent



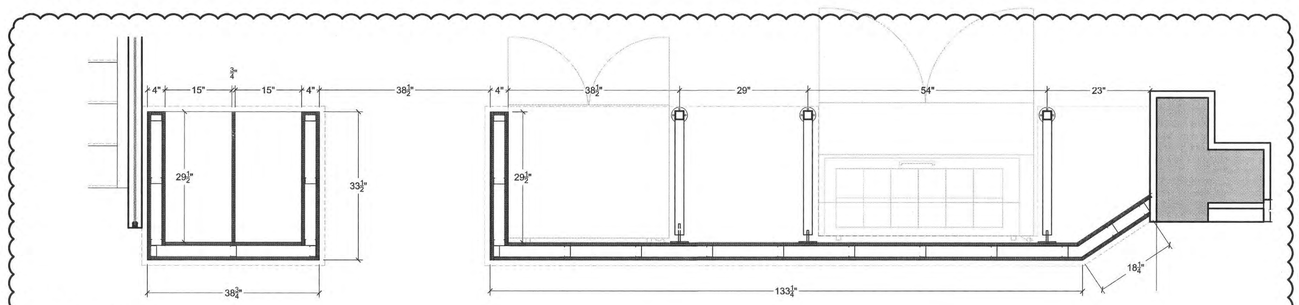
03 Side View
Scale: 3/4" = 1'-0"



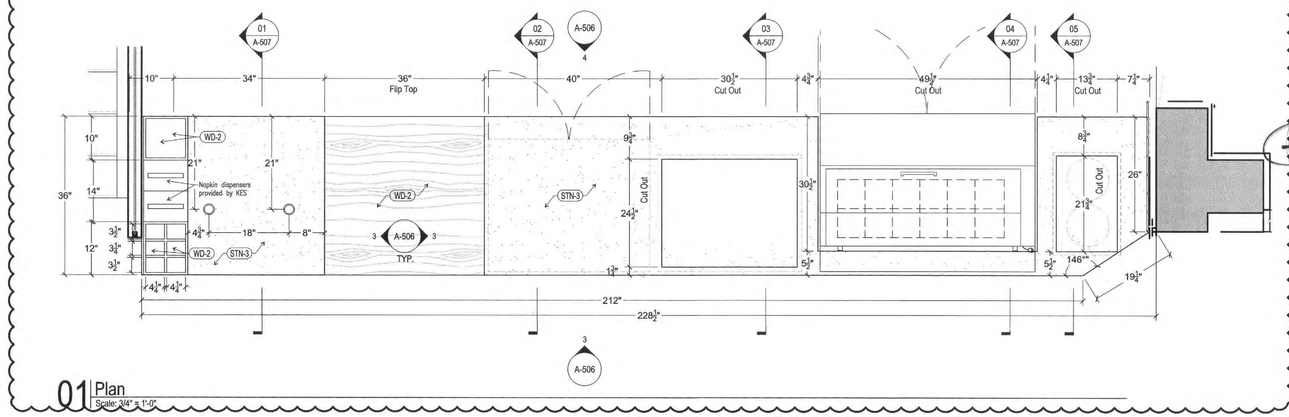
04 Rear View
Scale: 3/4" = 1'-0"



03 Front View
Scale: 3/4" = 1'-0"



02 Front View
Scale: 3/4" = 1'-0"



01 Plan
Scale: 3/4" = 1'-0"

architect / designer:

garrett singer
architecture & design

8 east palisade avenue, loft A
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MEP:

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New york new york 10003
T 212.253.7303 F 212.253.6012

Food Service:

project:

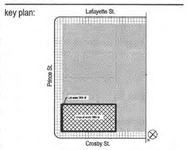
Dig Inn

70 Prince St.
New York, NY 10012

03/24/17	Reissued Bid Set - Revision No. 3
02/27/17	Reissued Bid Set - Revision No. 2
02/08/17	Issue Bid Set - Addendum 1
12/08/16	Issue Bid Set - Revision No. 1
11/15/16	Issue Bid Set

issue progress:

key plan:



seal:

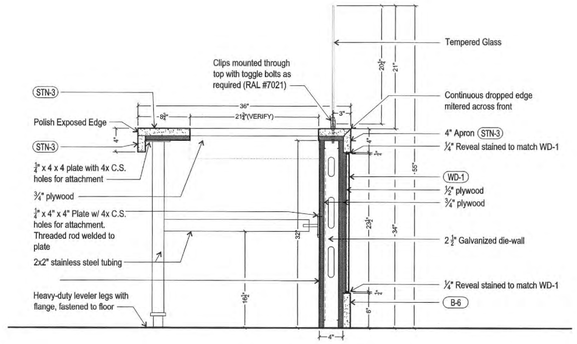
date: 12-08-2016
project no.: 16-17
drawn by:
checked by:

sheet title:

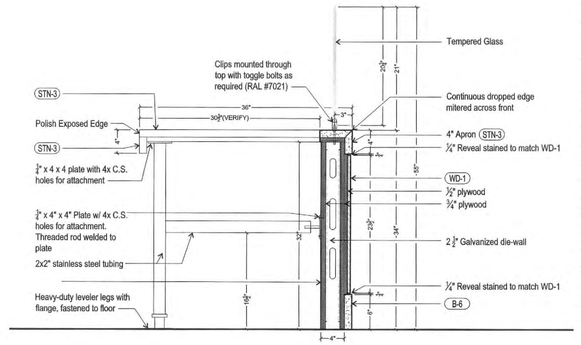
Counter
Plan & Elevations

drawing no.

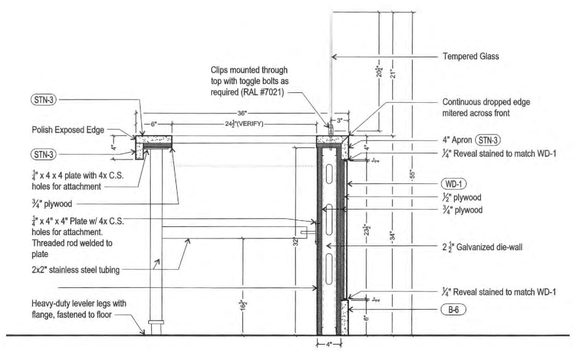
A-506.00



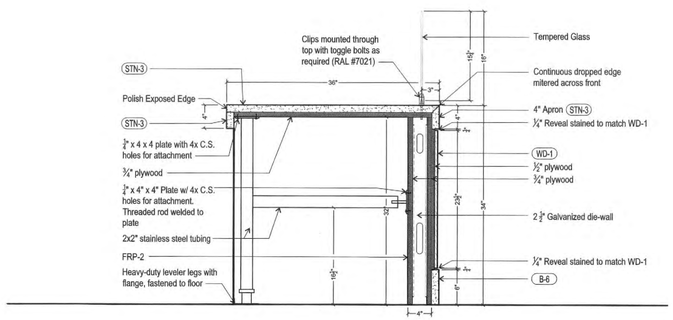
05 Section
Scale: 1" = 1'-0"



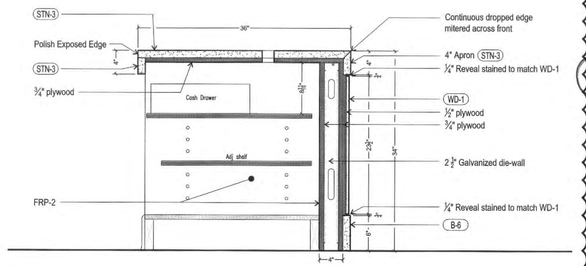
04 Section
Scale: 1" = 1'-0"



03 Section
Scale: 1" = 1'-0"



02 Section
Scale: 1" = 1'-0"



01 Section
Scale: 1" = 1'-0"

architect / designer:

garrett singer
architecture & design

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garrettsinger.com

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MEP:

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Food Service:

project:

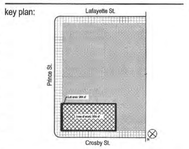
Dig Inn

70 Prince St.
New York, NY 10012

03/24/17	Reissued Bid Set - Revision No. 3 (3)
02/27/17	Reissued Bid Set - Revision No. 2 (2)
02/08/17	Issue Bid Set - Addendum 1
12/08/16	Issue Bid Set - Revision No. 1 (1)
11/15/16	Issue Bid Set

issue progress:

key plan:



seal:

date: 12-08-2016
project no.: 16-17
drawn by:
checked by:

sheet title:

Counter Sections

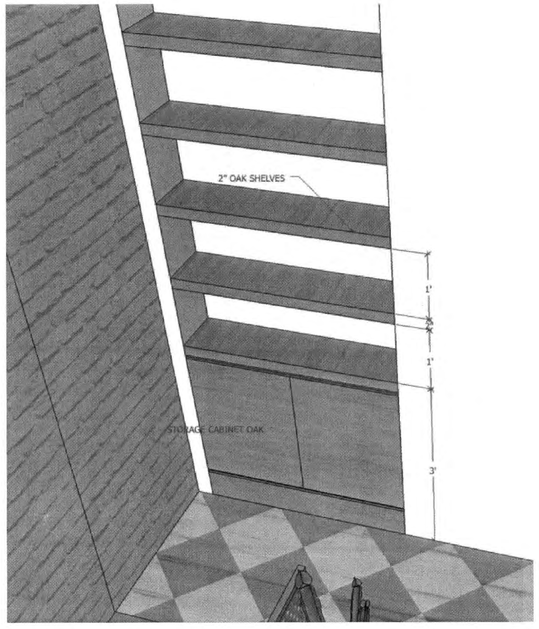
drawing no.

A-507.00

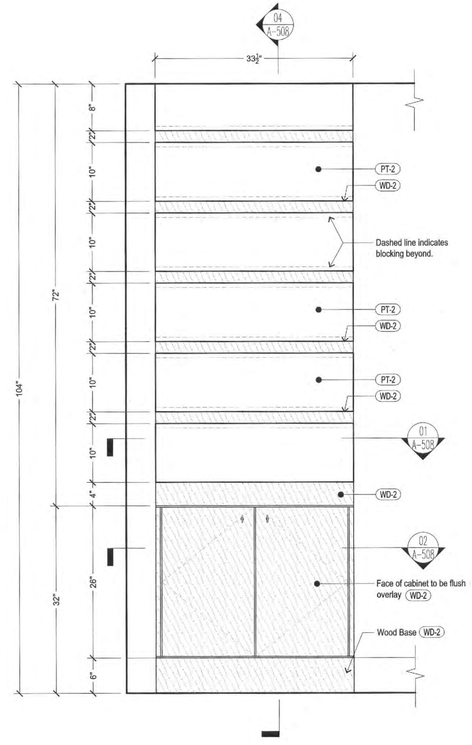
Millwork General Notes:

A GC to submit shopdrawings of all Millwork, Stairs and Stair details to Client and Architect for approval prior to fabrication

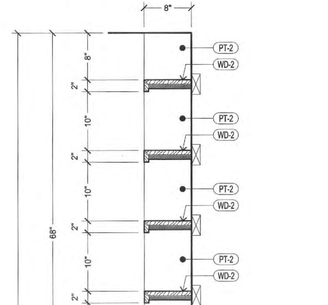
B GC to submit samples of all finishes to Client and Archtiect for approval prior to fabrication.



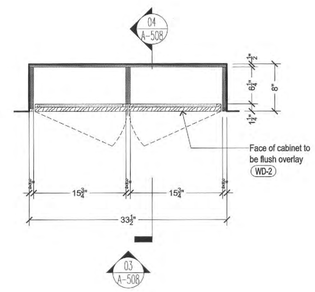
05 Rendering
Scale: NTS



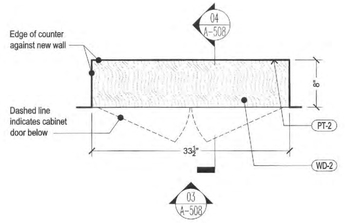
03 Front View
Scale: 1" = 1'-0"



04 Front View
Scale: 1" = 1'-0"



02 Top Section View
Scale: 1" = 1'-0"



01 Top View
Scale: 1" = 1'-0"

architect / designer:

garrett singer
architecture & design

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garrettsinger.com

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MEP:

TSF Engineering, P.C.
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New york new york 10003
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Food Service:

project:

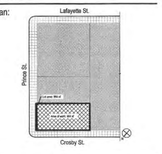
Dig Inn

70 Prince St.
New York, NY 10012

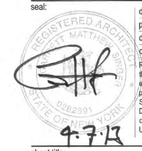
03/24/17	Reissued Bid Set - Revision No. 3	3
02/27/17	Reissued Bid Set - Revision No. 2	2
02/08/17	Issue Bid Set - Addendum 1	
12/08/16	Issue Bid Set - Revision No. 1	1
11/15/16	Issue Bid Set	

issue progress:

key plan:



seal:



date: 12-08-2016
project no.: 16-17
drawn by:
checked by:

sheet title:

Millwork - 2nd Fl. Shelves / Storage

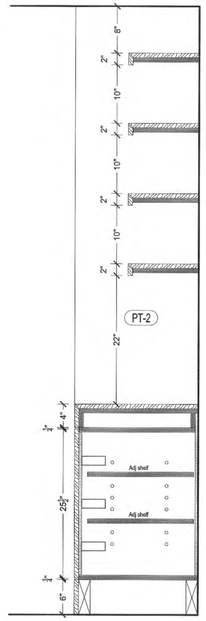
drawing no.

A-508.00

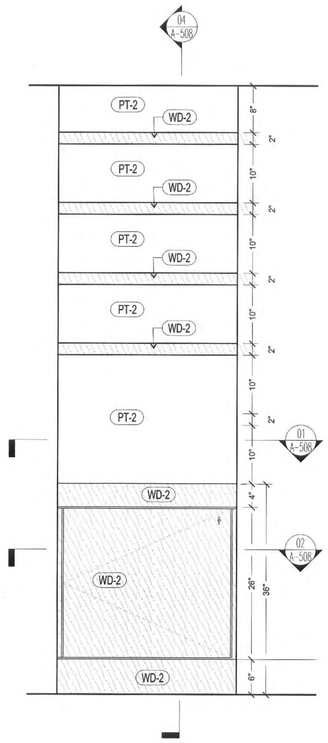
Millwork General Notes:

A GC to submit shopdrawings of all Millwork, Stairs and Stair details to Client and Architect for approval prior to fabrication

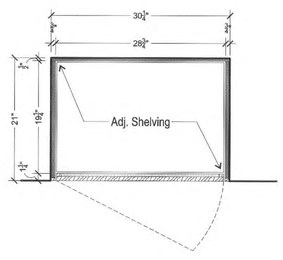
B GC to submit samples of all finishes to Client and Archtiect for approval prior to fabrication.



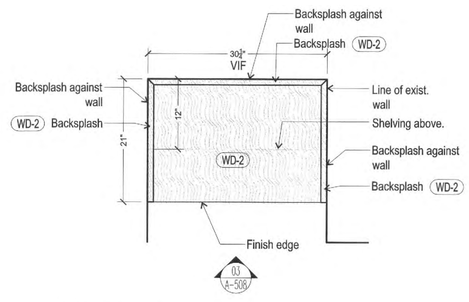
01 Front View
Scale: 1" = 1'-0"



01 Front View
Scale: 1" = 1'-0"



01 Top Section View
Scale: 1" = 1'-0"



01 Top View
Scale: 1" = 1'-0"

architect / designer:

garrett singer
architecture & design

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project:

Dig Inn

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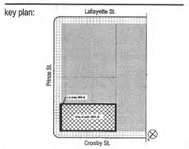
New York, NY 10012

03/24/17	Reissued Bid Set - Revision No. 3
02/27/17	Reissued Bid Set - Revision No. 2
02/08/17	Issue Bid Set - Addendum 1
12/08/16	Issue Bid Set - Revision No. 1
11/15/16	Issue Bid Set

issue progress:

key plan:



seal:

date: 12-08-2016
project no.: 16-17
drawn by:
checked by:

sheet title:

Millwork - 2nd Fl. Waiter Station

drawing no.

A-509.00

DOOR SCHEDULE GENERAL NOTES :

1. All door hardware to meet state and local accessibility requirements. Exit doors shall be operable from the inside without the use of a key or any special knowledge.
2. Provide door stops of appropriate type for all interior doors, match adjacent hardware.
3. Door closures shall be adjusted so that from an open position of 90 degrees, the time required to move the door to an open position of 12 degrees will be 5 seconds minimum.
4. Fire doors shall have the minimum opening force allowable by the appropriate administrative authority.
   The required force for pushing open or pulling open doors other than fire doors shall be as follows:
   Interior hinged door: 5.0lb (22.2N)maximum
   Sliding/Folding door: 5.0lb (22.2N)maximum
   Exterior hinged door: 7.5lb (22.2N)maximum
5. Panic hardware shall be provided as scheduled
6. The floor or landing shall not be more than ½" lower than the threshold of the doorway.
7. The bottom 10" of all doors except automatic doors, power assisted doors, and sliding doors shall have a smooth uninterrupted surface to allow the door to be opened by a wheelchair footrest without creating a trap or hazardous condition.
8. Maximum effort to operate doors shall not exceed 5.0lbs. for interior door.
9. All dimensions are for bidding purpose only. Contractor shall field verify all dimensions prior to fabrication.
10. Refer to fastening and bracing techniques on this sheet.
11. All closers, with standard non-hold open and hold open arms are shipped with self-drilling, self tapping and machine screws. Sleeve nuts(SN) shall be ordered by contractor as required.
12. Sleeve nuts and should be used on steel doors to prevent dimpling, or where proper door reinforcement has not been provided.
13. Closers and Control Devices shall be Norton 8500 series units. All closers shall be furnished with a pressure relief valve to protect the closer during both opening and closing cycles.
    1. Provide regular or parallel arm type units as required to mount closers out of public view.
    2. Provide closer/stop combination units where indicated on the hardware schedule Access-Free Manual Closer: Where manual closers are indicated for doors required to be accessible to the physically handicapped, provide adjustable units complying with ANSI A117.1 provisions for door opening force.

    Approved Equals: LCN"4040" series; Yale 3000 series
14. Locks shall be keyed and master-keyd to meet requirements of tenant and building. Contractor will check Building Manager for list of hardware keying contractors prior to BID List for the particular building involved.
    a. All cylinders are to be Schlage 5 or 6 pin, depending on building.
    b. All cylinders are to be master keyed to the building and floor master.
    c. All keys are to be tested and properly tagged after locksets are installed and to them being turned over to the Building Manager for acceptance.
15. All new standard HM doors: Door grade, standard duty, model 1, full flush design, min 18ga. cold rolled sheet face. painted. Hinge to have non-removable pin, NRP
16. All means of egress door opening hardware shall be operated by a single hand w/o means of tight grasping, pinching or twisting of the wrist. All doors equipped with panic hardware must maintain a 32" clear width. Max effort to operate doors shall not exceed: A) 8.5 L.B.F. (37.7N) for ext doors B) 5.0 L.B.F. (22.2)N for int doors

HARDWARE SETS :

H1. Entry

Provide each SGL door(s) with the following:

Qty		Description	Catalog Number	Finish	Mfr
1	EA	Hinge	PBB Hinges #CH51P	Satin Stainless Steel	PBB
1	EA	Entrance Lock	D9-60-606-RH-134-5301-D	Satin Brass	DORMA
1	EA	Closer	DS-8600	Satin Brass	DORMA
1	EA	Push	FII-DLGC3 - 36"	Brass	First Impressions
1	EA	Pull	FII-DLGC3 - 36"	Brass	First Impressions
1	EA	Kick plate	K1050 - 8" VIF	Powder coat - PT8	Rockwood
1	EA	Weather Stripping	429A	Gray	ZE

H2. Customer Restroom

Provide each SGL door(s) with the following:

Qty		Description	Catalog Number	Finish	Mfr
1	EA	ADA Pocket Door Pull	1069FP-	Black	Trimco
1	EA	Pocket Frame Set	2000 Series - 203068PF	NA	Johnson

H3. Passage

Provide each PR door(s) with the following:

Qty		Description	Catalog Number	Finish	Mfr
1 ½	PAIR	Hinge	ITBB81	SS Satin Finish	PBB
1	EA	Passage Latch	ND10S	626	SC
1	EA	Closer	4040 XPMC SCUSH	689	LCN
1	EA	Kick plate	8400 8" X 1" LDW	630	IVE
1	EA	Wall Holder	WS20	626	IVE
3	EA	Door Silencer	SR64		IVE

H4. Utility Room

Provide each PR door(s) with the following:

Qty		Description	Catalog Number	Finish	Mfr
1 ½	PAIR	Hinge	ITBB81	SS Satin Finish	PBB
1	EA	Storeroom Lock	ND80PD	626	SC
1	EA	Closer	4040 XPMC SCUSH	689	LCN
1	EA	Kick plate	8400 8" X 1" LDW	630	IVE
1	EA	Wall Holder	WS20	626	IVE
3	EA	Door Silencer	SR64		IVE

All entrance, managers office, Restroom, Storage and Electrical closets to receive cylinder that will accept Best 7 Pin interchangeable core.

DOOR SCHEDULE :

DOOR NO.	TYPE	LOCATION: KEY SIDE TO	LOCATION: FROM NON-KEYED SIDE	DOOR: SIZE	DOOR: MAT'L	DOOR: MANUFACTURE MODEL NO.	DOOR: FINISH	FRAME: TYPE DETAIL	FRAME: MATERIAL	HARD SET	FIRE RATING	REMARKS
01	B	Exterior	Corridor 102	3'-0" x 7'-0"	WD	Wood & Glass	Painted	DF-1	WD	H1	Not rated	
02	F	Corridor 102	Pick Up 107	3'-0" x 7'-0"	HM	Eliason SCP-3	SS	N/A	N/A	Provided by Manuf.	Not rated	
03	F	Corridor 102	Prep 106	3'-0" x 7'-0"	HM	Eliason SCP-3	SS	N/A	N/A	Provided by Manuf.	Not rated	
04	E	Corridor 102	ADA Restroom 103	3'-0" x 7'-0"	WD	Johnson Door Frame System	PT-2	X	WD	H2	Not rated	Pocket Door: Johnson Door Frame System, 2000 Series, 400lbs
05	E	Corridor 201	Restroom 205	3'-0" x 7'-0"	WD	Johnson Door Frame System	PT-2	X	WD	H2	Not rated	Pocket Door: Johnson Door Frame System, 2000 Series, 400lbs
06	N/A	Storage 001	Existing Boiler Room 005	Existing	HM	Relocated Door	N/A	N/A	HM	N/A	N/A	Re-Use Existing door
07	C	Storage 001	Trash Room 063	2'-10" x 6'-2" Height to be verified by GC at site (Typ.)	HM	Manufacture's standard hollow metal door	Painted	DF-1	HM	H3	Not rated	Verify height
08	C	Storage 001	Existing Meter Room 004	3'-0" x 6'-2"	HM	Manufacture's standard hollow metal door	Painted	DF-1	HM	X	Not rated	Re-Use Existing door
09	C	Storage 001	Ejector Pit Room 006	2'-10" x 6'-2" Height to be verified by GC at site (Typ.)	HM	Manufacture's standard hollow metal door	Painted	DF-1	HM	H3	Not rated	

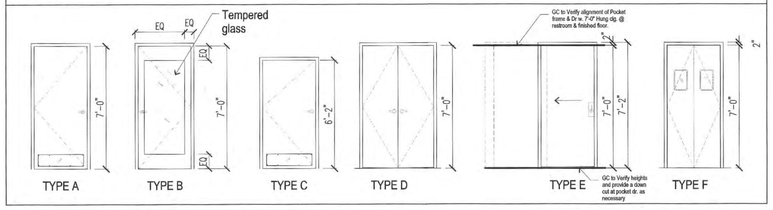
HARDWARE NOTES :

1. All hardware and closer's shall be listed by Underwriters Laboratories for labeled fire doors.

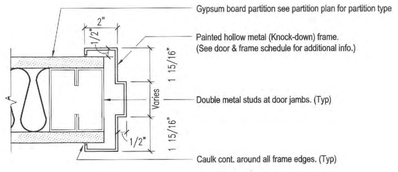
DOOR FRAME NOTES :

1. Anchor frame per details
2. Throat dimension is 1/16" larger each side of wall construction
3. Use anchors appropriate for the type of wall construction; a minimum of three (3) per jamb is required
4. Fill frame with mortar or plaster as used in wall

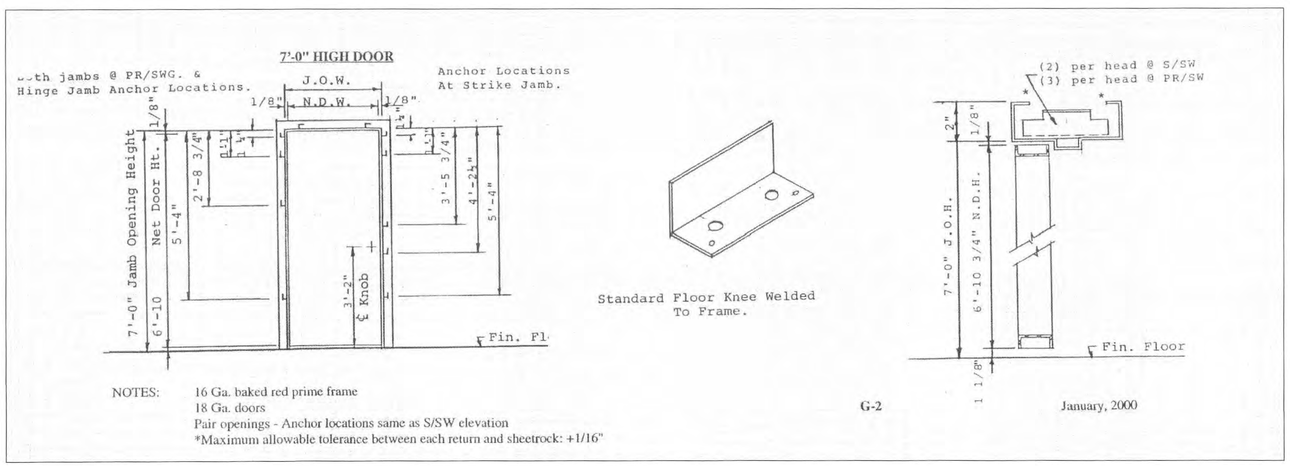
DOOR TYPES :

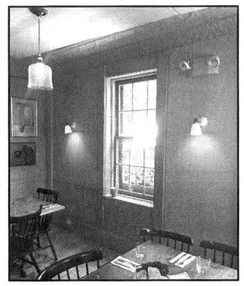


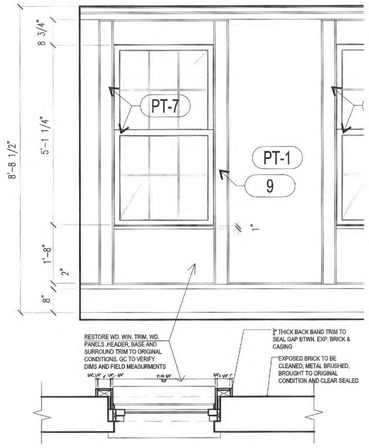
FRAME TYPES



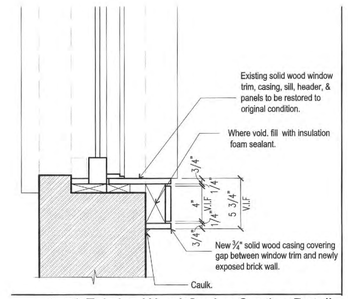
DF-1







02 Existing Wood Casing Plan Detail
Scale: 1 1/2" = 1'-0"



03 Existing Wood Casing Section Detail
Scale: 1 1/2" = 1'-0"

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Food Service:

project:

Dig Inn

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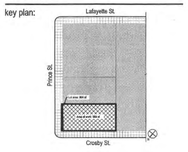
11/15/16	Issue Bid Set

issue progress:

key plan:



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project no.: 16-17
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checked by: --

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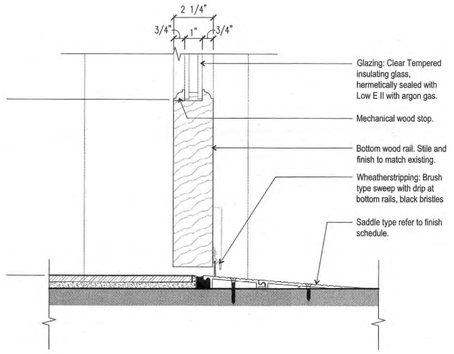
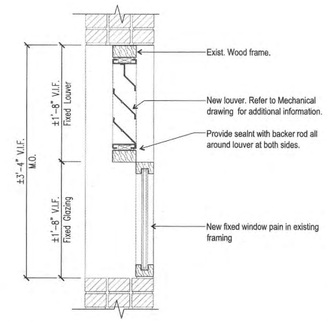
Door Schedule

drawing no.

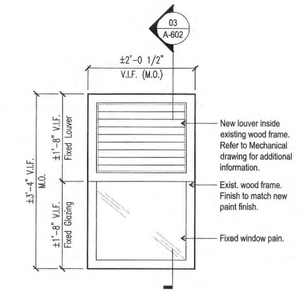
A-601.00



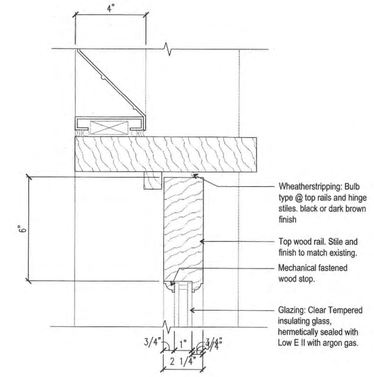
05 Wood Entry Door Bottom Rail Detail
Scale: 3" = 1'-0"



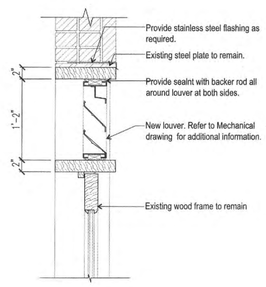
03 Window/Louver Section
Scale: 1" = 1'-0"



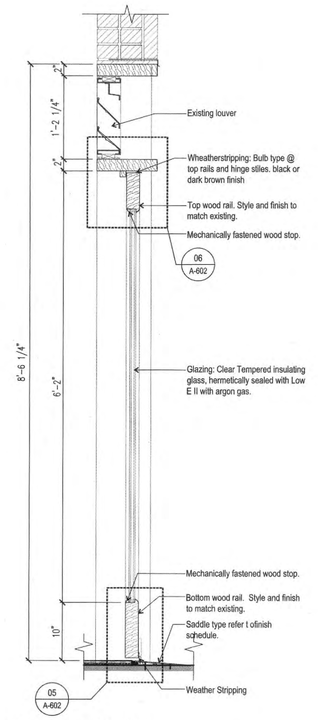
02 Wood Window Louver Elevation
Scale: 3/4" = 1'-0"



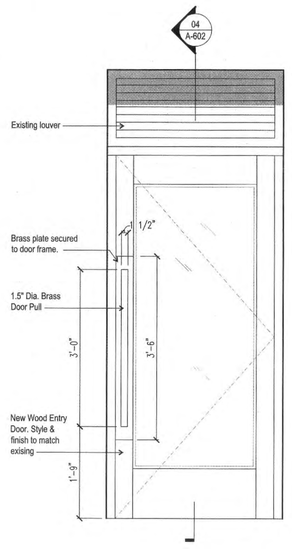
06 Wood Entry Door Head/Louver Detail
Scale: 3" = 1'-0"



08 Louver Detail
Scale: 1" = 1'-0"



04 Wood Entry Door Section
Scale: 1" = 1'-0"



01 Wood Entry Door Elevation
Scale: 3/4" = 1'-0"

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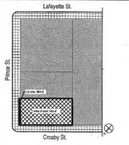
issue progress:

key plan:



seal:

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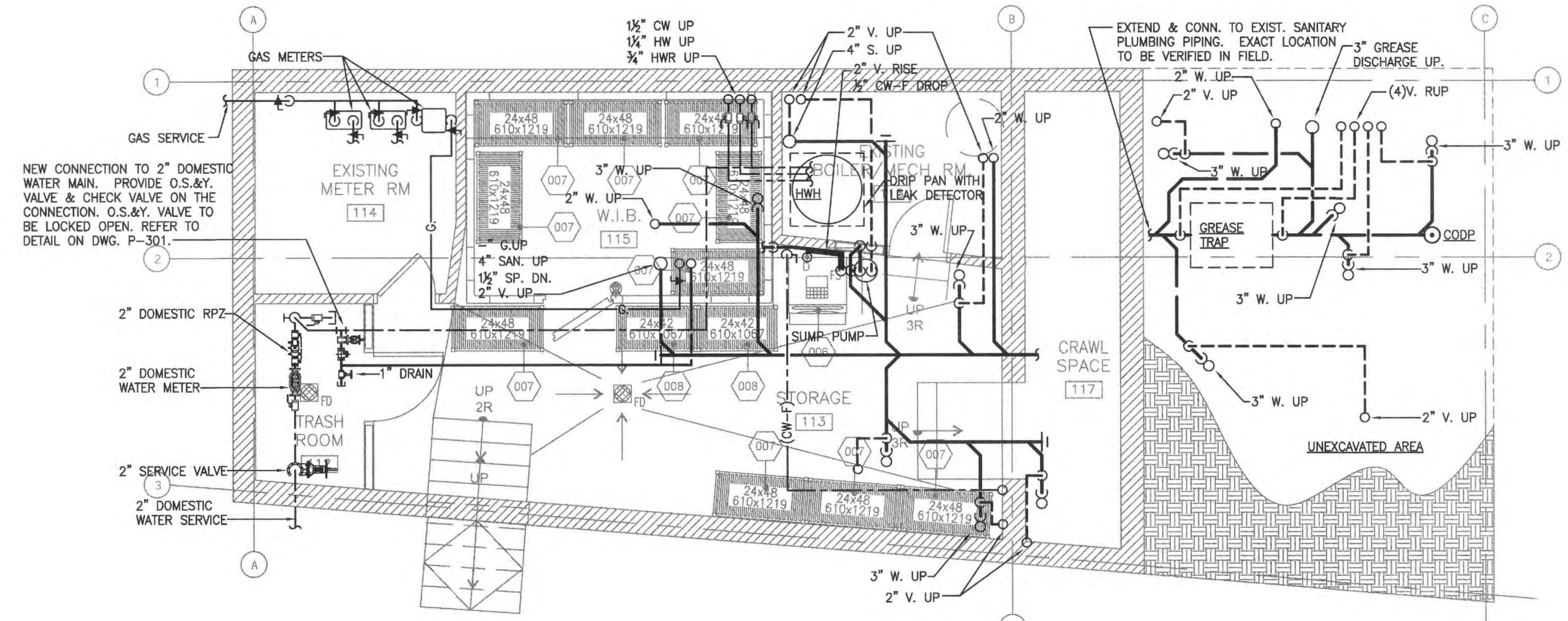
project no.: 16-17
drawn by:
checked by:

sheet title:

Door & Window Details & Elevations

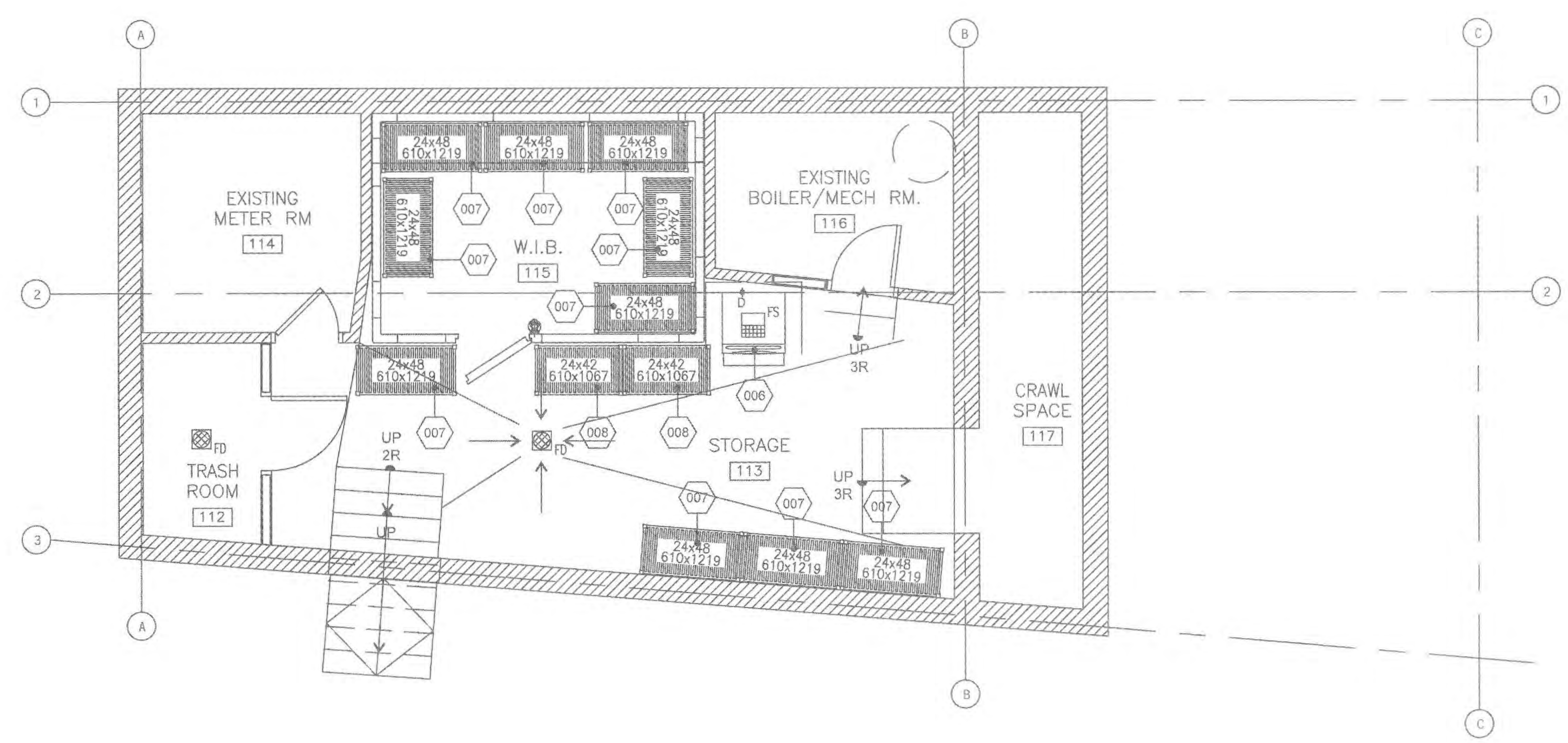
drawing no.

A-602.00



CELLAR PLUMBING PLAN

SCALE: ¼" = 1'-0"



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11/28/16	ISSUED
09/23/16	ISSUED FOR FILING/BID

issue progress:

key plan:

seal:

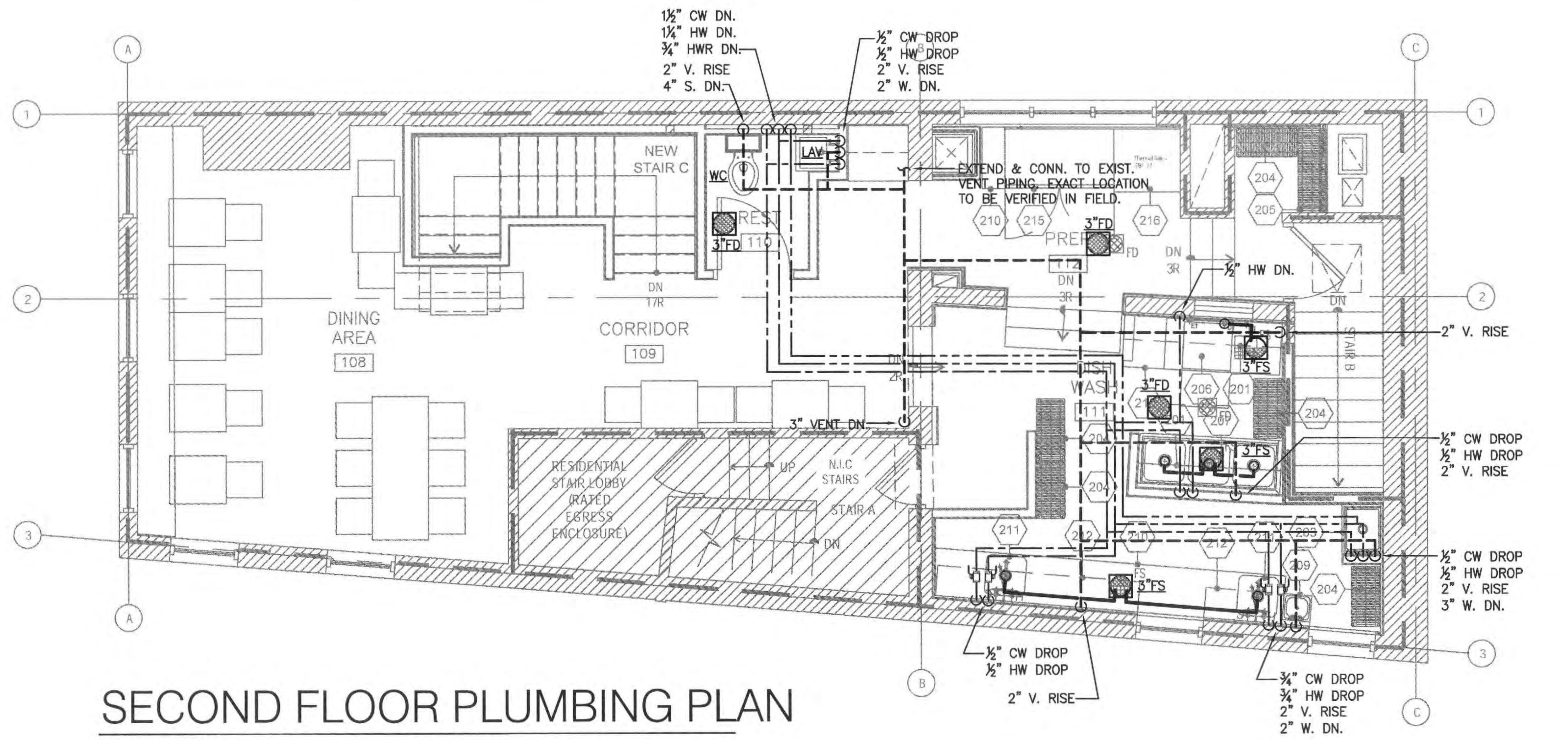
date:	09-01-2016
project no.:	16247
drawn by:	TSF
checked by:	TSF

sheet title:

UNDERGROUND PIPING & CELLAR PLUMBING PLANS

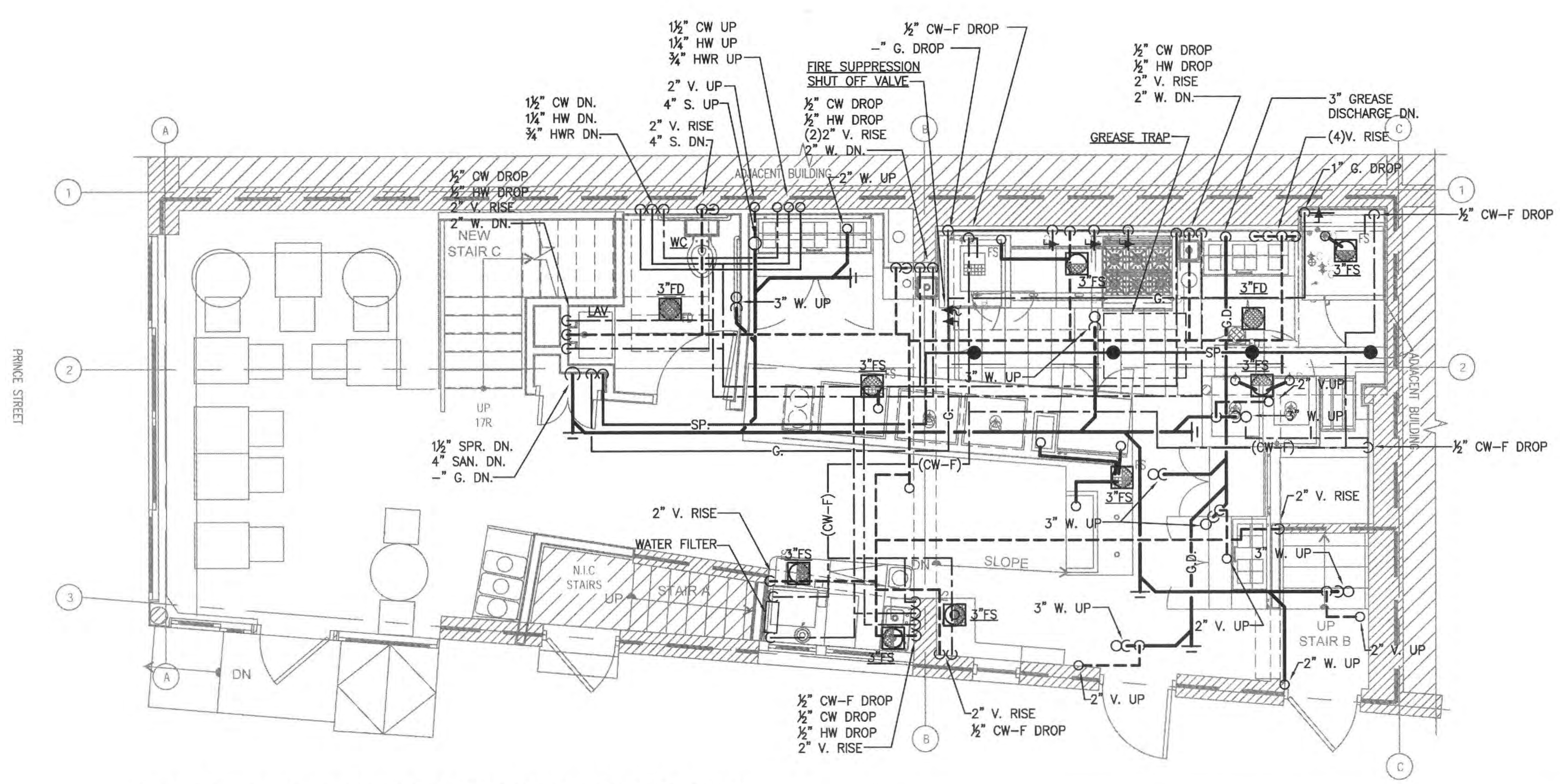
drawing no.

P-101.00



SECOND FLOOR PLUMBING PLAN

SCALE: ¼" = 1'-0"



FIRST FLOOR PLUMBING PLAN

SCALE: ¼" = 1'-0"

NOTE

1. PROVIDE A WATTS MODEL #USG-B-STRAINER MIXING VALVE AT EACH LAVATORY AND HAND SINK. SET OUTLET TEMPERATURE AT 115°F.

2. REFER TO ARCHITECTURAL DRAWINGS FOR EQUIPMENT LIST. PROVIDE ALL REQUIRED WATER SUPPLIES, INDIRECT WASTES, VALVES, PRESSURE REDUCING VALVES, VACUUM BREAKERS, ETC., THAT MAY BE REQUIRED.

CONTRACTOR NOTE

WATER METERS AND BACKFLOW PREVENTERS ARE SHOWN FOR INFORMATION ONLY. THE ACTUAL LOCATION, ELEVATION AND ALL OTHER INSTALLATION REQUIREMENTS SHALL CONFORM TO THE APPROVED APPLICATION FILED WITH THE NYC DEP CROSS-CONNECTION CONTROL UNIT.

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key plan:

seal:

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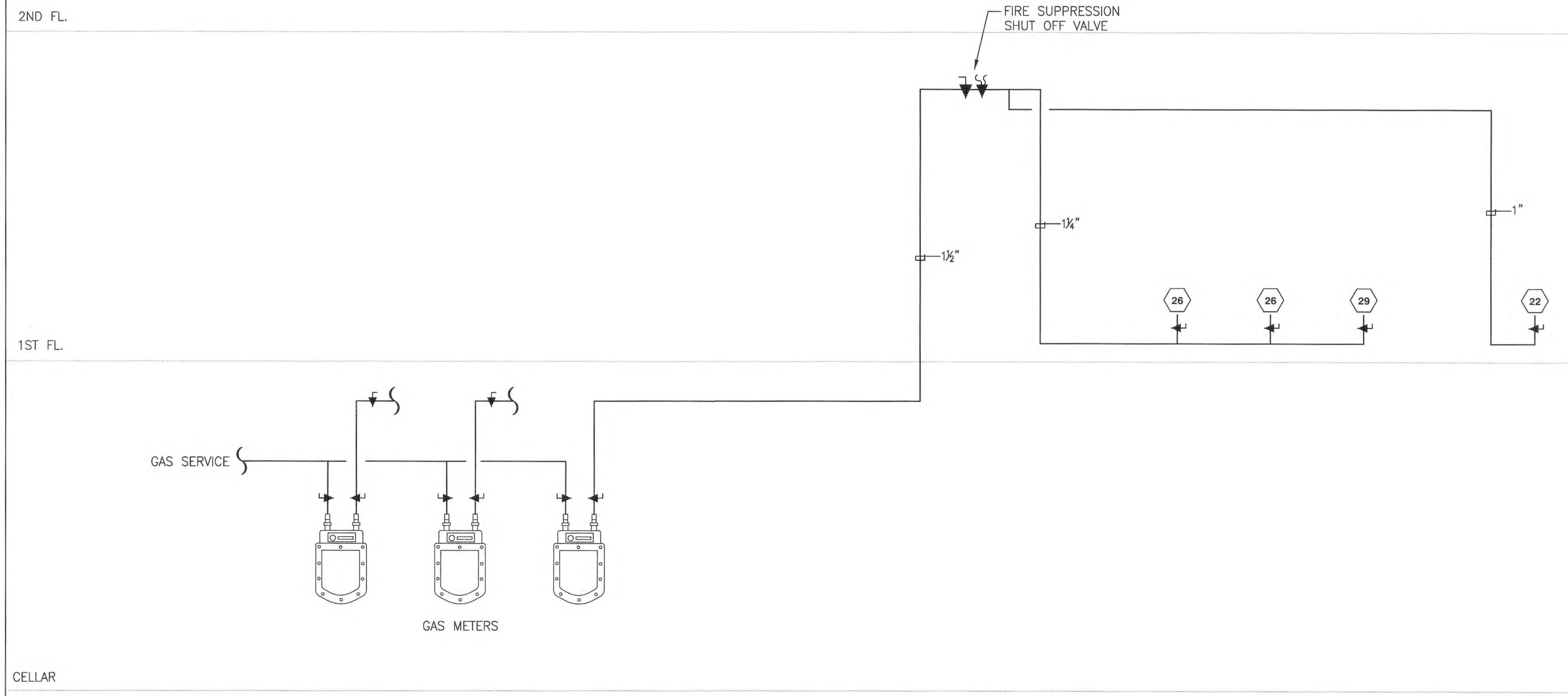
drawn by:	TSF
checked by:	TSF

sheet title:

1ST FLOOR & 2ND FLOOR PLUMBING PLANS

drawing no.

P-102.00



GAS RISER DIAGRAM
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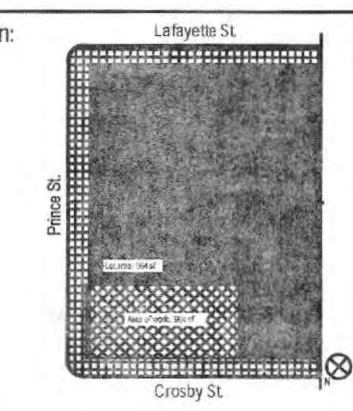

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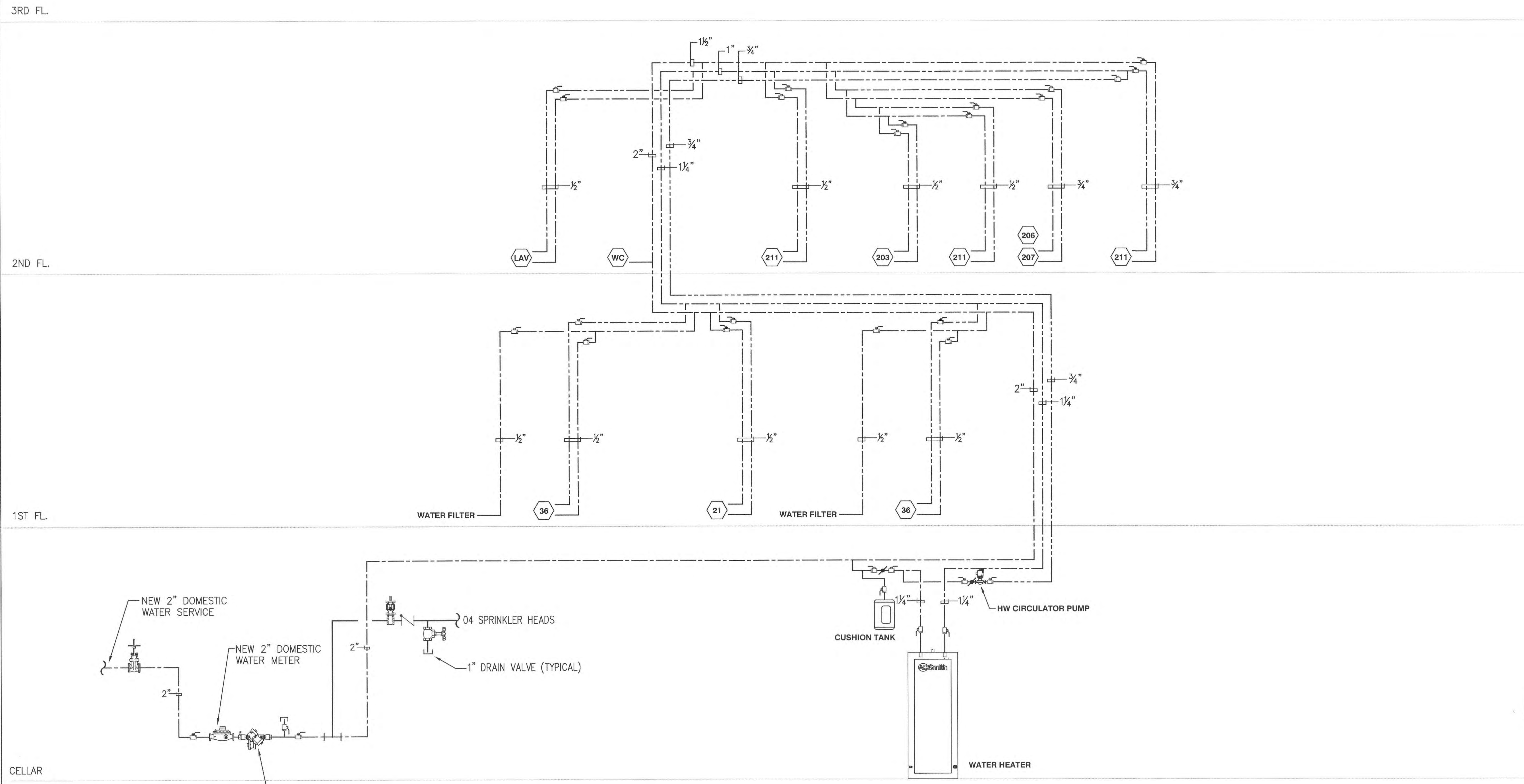
checked by:	TSF

sheet title:

GAS RISER DIAGRAM

drawing no.

P-201.00



WATER RISER DIAGRAM

SCALE: N.T.S.

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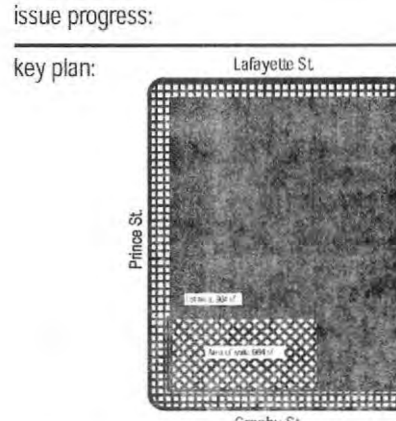

seal:

date:	09-01-2016
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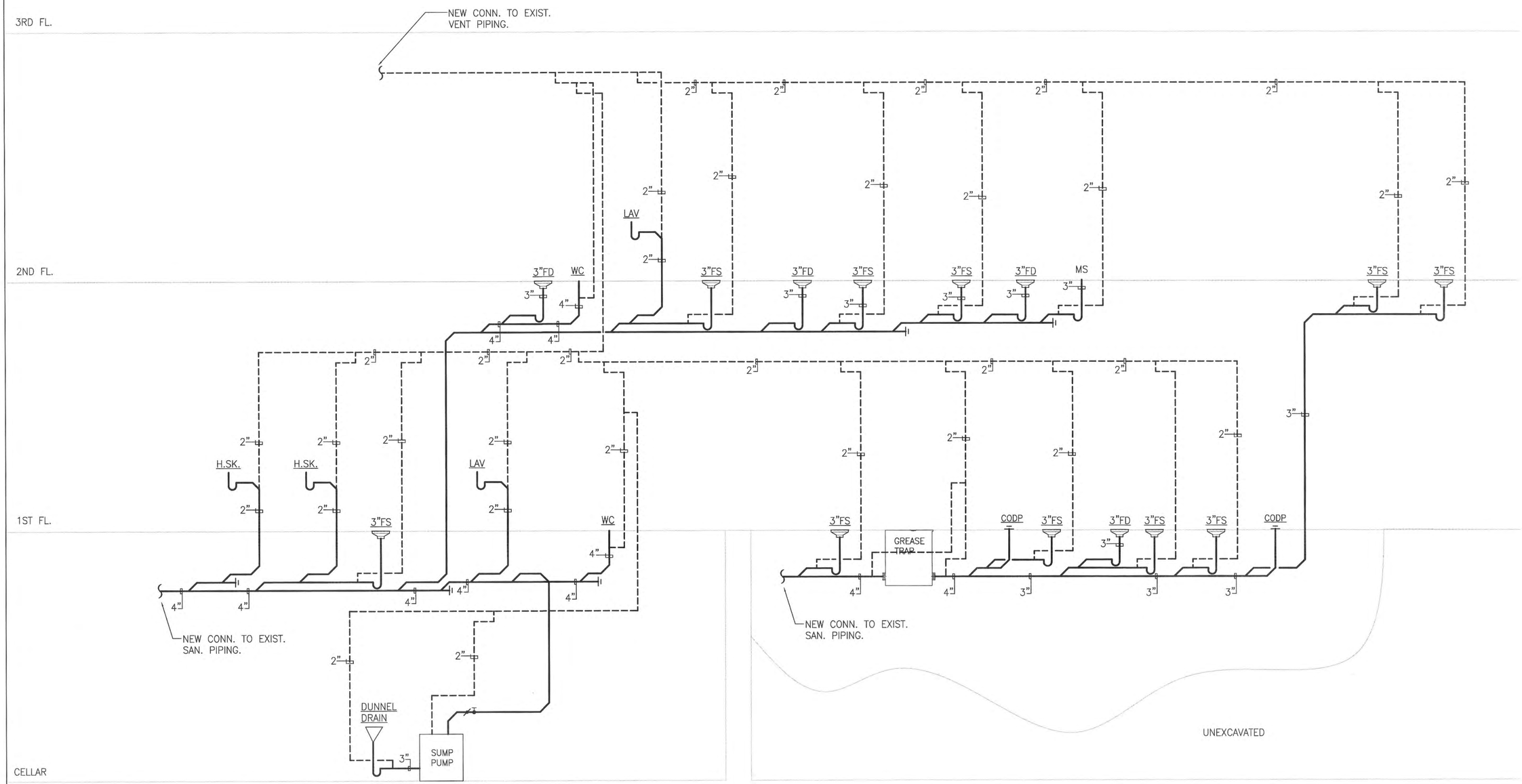
drawn by:	TSF
checked by:	TSF

sheet title:

WATER RISER DIAGRAM

drawing no.

P-202.00



SANITARY RISER DIAGRAM

SCALE: N.T.S.

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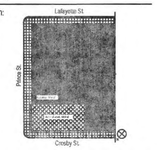

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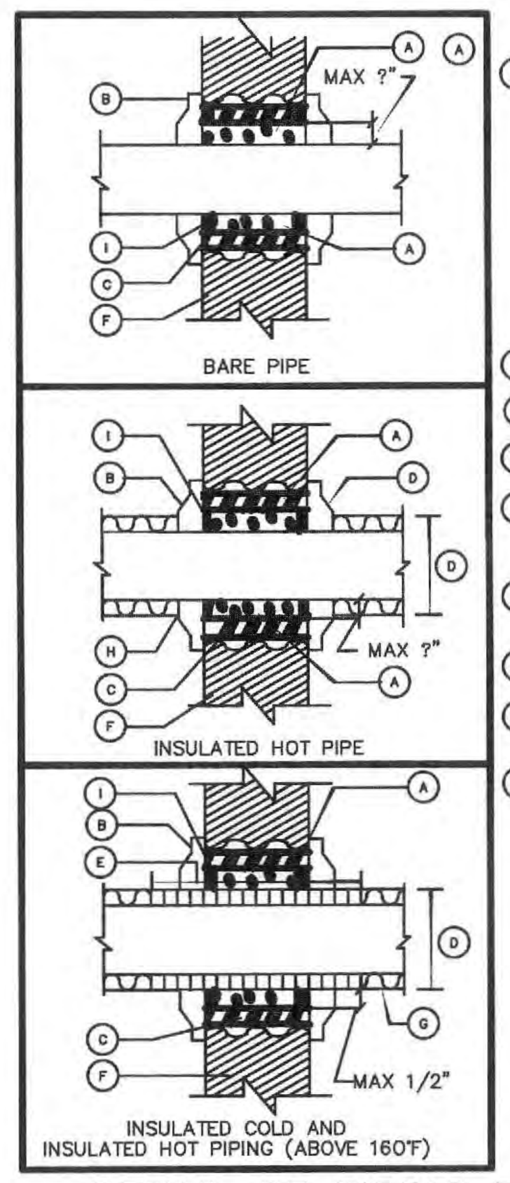
SANITARY RISER DIAGRAM

drawing no.

P-203.00



Ⓐ ALL SPACES PACKED FULL DEPTH WITH MINERAL WOOL OR OTHER EQUALLY APPROVED FIRE RESISTIVE MATERIAL (ASBESTOS OR FIBERGLASS SHALL NOT BE USED)

FIRE RESISTANT FOAM SEALANT CHASE FOAM CTC P2-855 (NYC MEA#58-79 M#1&11 MAY BE USED. INSTALLATION AS PER MANUFACTURER.

Ⓑ ESCUTCHEON BOTH SIDES

Ⓒ SLEEVE

Ⓓ DIAMETER OF INSULATED PIPE

Ⓔ ANHYDROUS CALCIUM SILICATE INSULATION THRU SLEEVE

Ⓕ FIRE RATED PARTITION WALL OR FLOOR

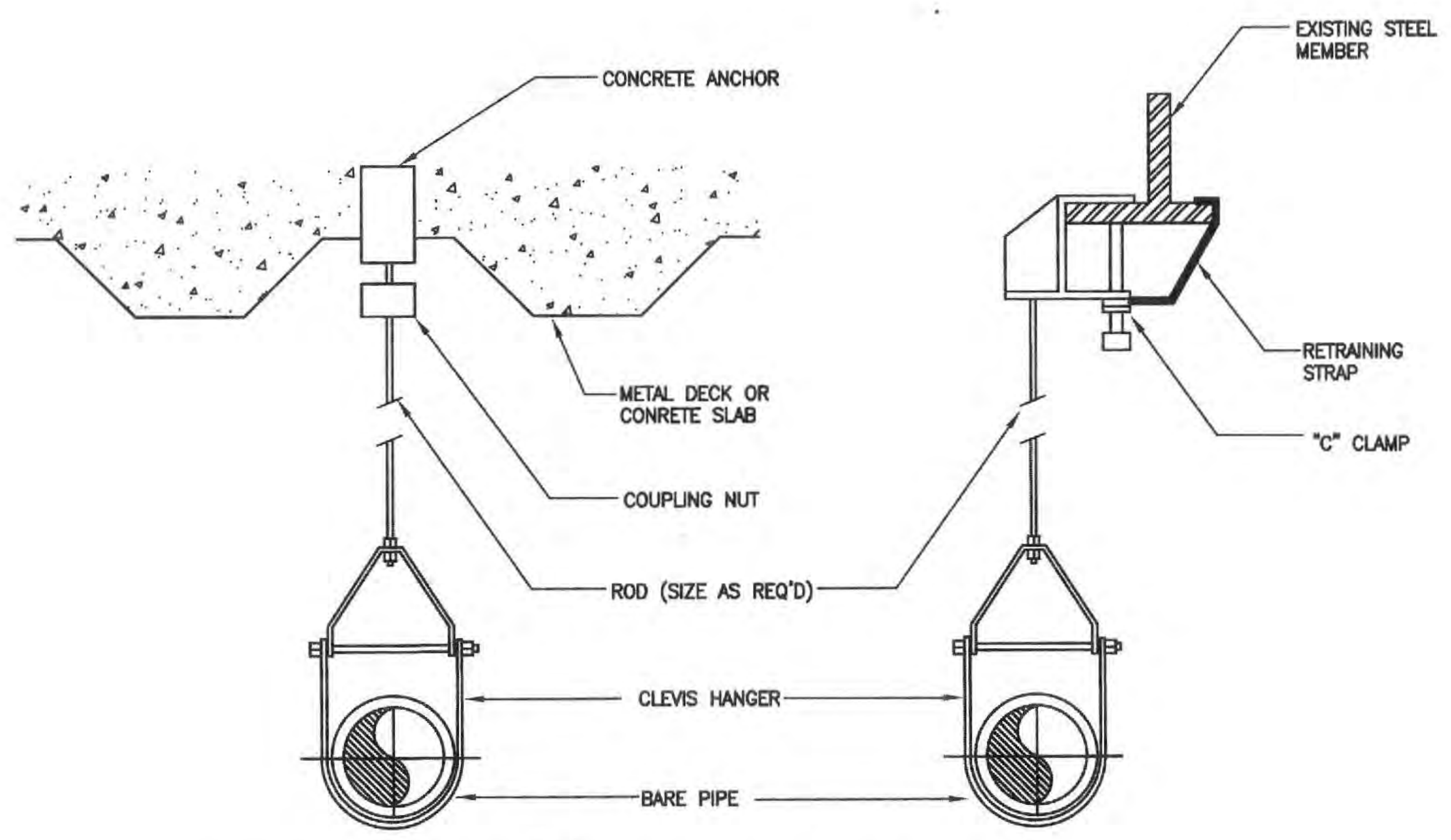
Ⓖ FIBERGLASS INSULATION

Ⓗ TERMINATE INSULATION AT ESCUTCHEON

Ⓘ 1/2" DEPTH FIRE STOP FINISH SEALANT

DETAIL OF PIPING PIERCING FIRE RATED PARTITIONS, WALLS AND FLOORS

NO SCALE

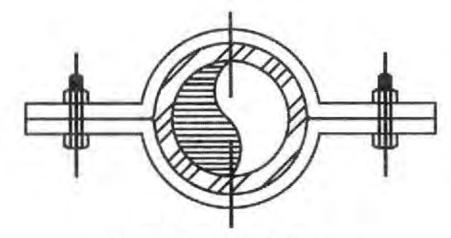


ROD SCHEDULE	
PIPE SIZE	ROD SIZE
1/2"	3/8"
3/4"	3/8"
1"	3/8"
1 1/4"	3/8"
1 1/2"	3/8"
2"	3/8"
2 1/2"	3/8"
3"	3/8"
4"	1/2"
5"	1/2"
6"	1/2"

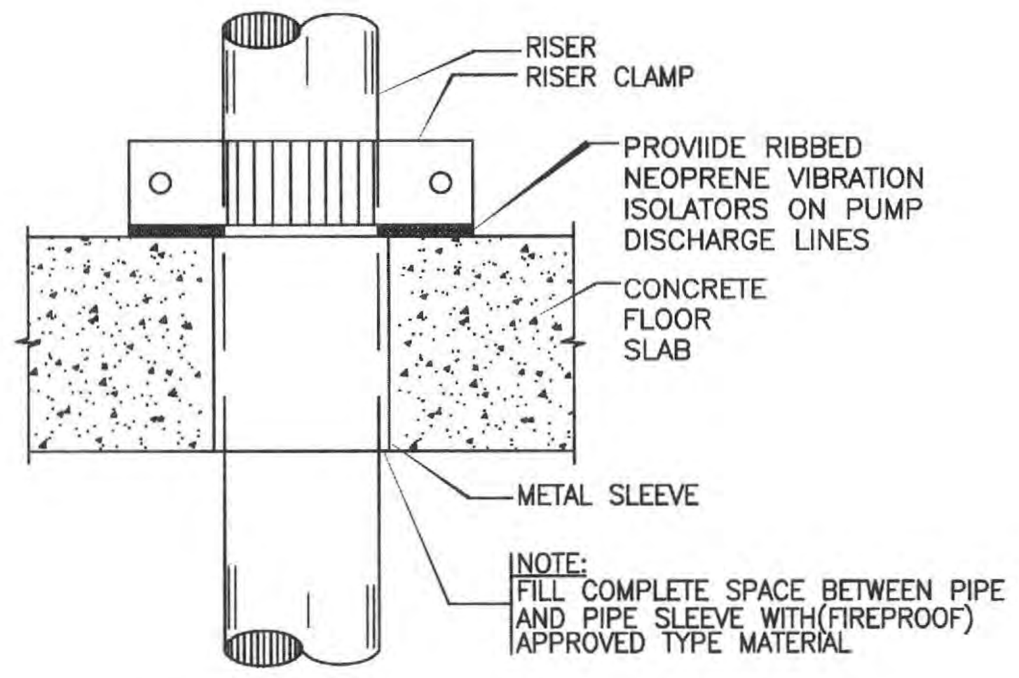
NOTE:
CLEVIS HANGERS REQUIRED ON PIPING LARGER THAN 1", GENERAL PURPOSE HANGERS MAY BE USED ON 1" PIPING ONLY.

HANGER DETAIL

NOT TO SCALE



PLAN VIEW



NOTE:
FILL COMPLETE SPACE BETWEEN PIPE AND PIPE SLEEVE WITH(FIREPROOF) APPROVED TYPE MATERIAL

TYPICAL RISER SUPPORT DETAIL

NO SCALE

KEY OF SYMBOLS

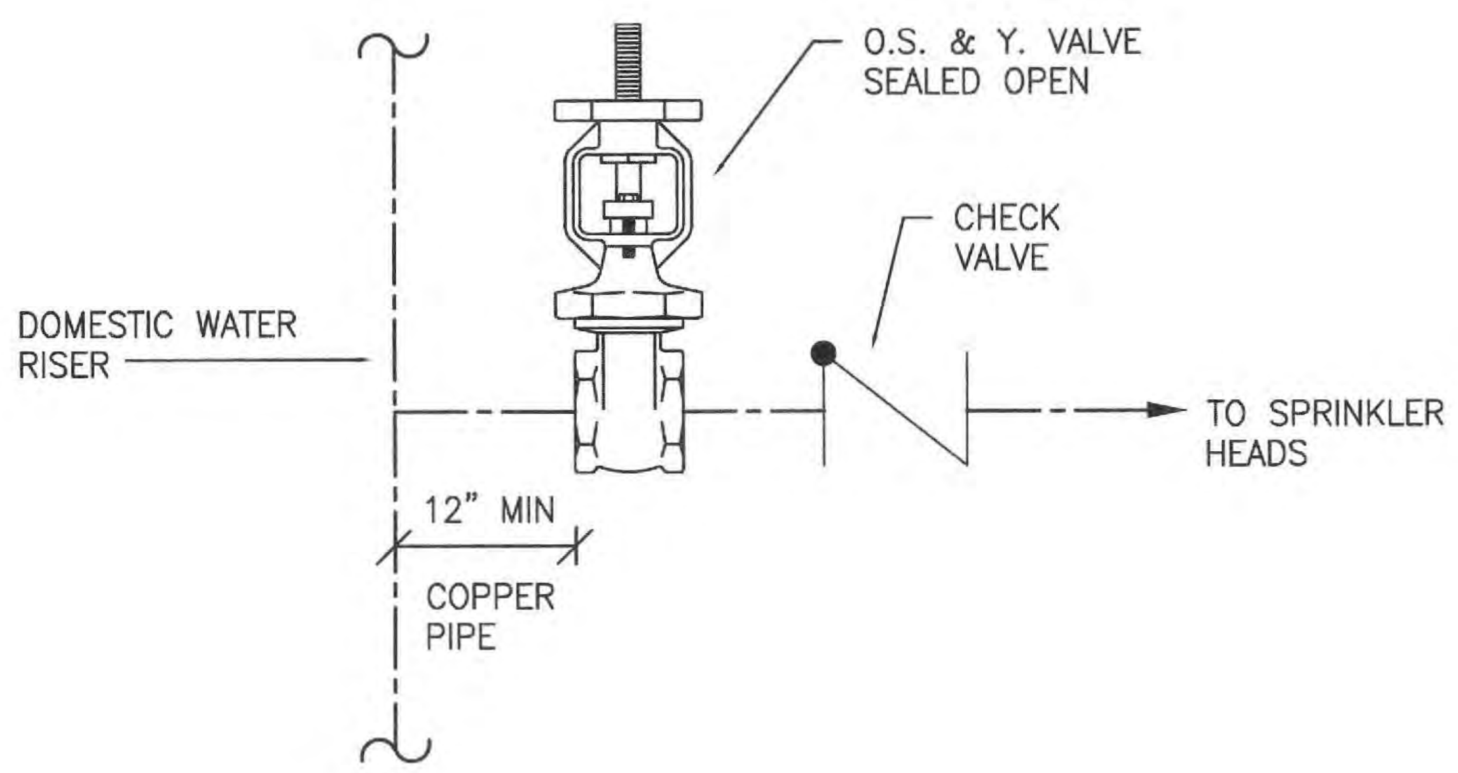
NOTE: THE KEY OF SYMBOLS INDICATED IS FOR CONVENIENCE ONLY AND ITEMS INDICATED ARE NOT NECESSARILY WITHIN THE SCOPE OF THE WORK.

SYMBOL	DESCRIPTION
(S)(W)	SOIL OR WASTE PIPING (S) (W)
(S)(W)	SOIL OR WASTE PIPING BELOW GROUND
L	LEADER (L) (LDR)
IW	INDIRECT WASTE
V	VENT PIPING
	EXISTING CW PIPING TO BE REMOVED
	EXISTING HW PIPING TO BE REMOVED
	EXISTING HWC PIPING TO BE REMOVED
GAS	EXISTING GAS PIPING TO BE REMOVED
(S)(W)	EXISTING SANITARY OR WASTE PIPING TO BE REMOVED
V	EXISTING VENT PIPING TO BE REMOVED
L	EXISTING STORM PIPING TO BE REMOVED
	EXISTING CW PIPING TO REMAIN
	EXISTING HW PIPING TO REMAIN
	EXISTING HWC PIPING TO REMAIN
GAS	EXISTING GAS PIPING TO BE REMAIN
(S)(W)	EXISTING SANITARY OR WASTE PIPING TO REMAIN
V	EXISTING VENT PIPING TO REMAIN
L	EXISTING STORM PIPING TO BE REMAIN
F	EXISTING FIRESTANDPIPE PIPING TO REMAIN
SP	EXISTING SPRINKLER PIPING TO REMAIN
	COLD WATER PIPING (C.W.)
	HOT WATER PIPING (H.W.)
	HOT WATER CIRCULATING PIPING (H.W.C.)
	GAS PIPING
	GATE VALVE (G.V.)
	LOCKSHIELD VALVE (GLOBE VALVE)
	PLUG COCK
	CHECK VALVE (C.V.)
	HOSE BIBB (H.B.) SILL COCK (S.C.)
	VACUUM BREAKER (V.B.)
	PRESSURE RELIEF VALVE PRESS. & TEMP. RELIEF VALVE
	PRESSURE REGULATING VALVE
	STRAINER
	"P" TRAP FOR LAV., SINK, ETC.
	CLEANOUT DECK PLATE (C.O.D.P.)
	SHOCK ABSORBER
	ANCHOR
	GUIDE
	PRESSURE GAUGE
	THERMOMETER
	TEMPERATURE REGULATOR
	WALL HYDRANT (W.H.)
	YARD HYDRANT (Y.H.) (D.H.)
	PIPING COVERED WITH ELECTRIC HEAT TRACING CABLE AND INSULATION
	UNION CONNECTION
	EXPANSION JOINT
	AUTOMATIC AIR VENT VALVE

STACK & RISER SYMBOLS

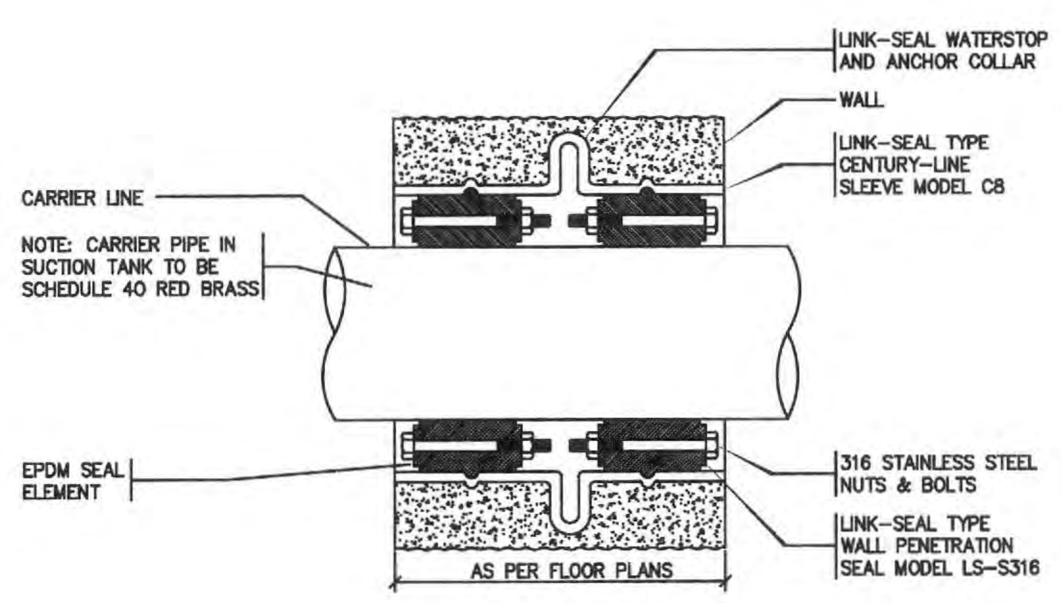
SYMBOL	DESCRIPTION
P	SOIL WASTE & VENT STACKS & WATER RISERS
L	STORM LEADER
G	GAS RISER

ABBREVIATION	MEANING
A.B.D.	AUTOMATIC BALL DRIP
A.D.	ACCESS DOOR
A. DR.	AREA DRAIN
B.T.	BATH TUB
C.D.	CANOPY DRAIN
C.F.H.	CUBIC FEET PER HOUR
C.F.M.	CUBIC FEET PER MINUTE
C.F.S.	CUBIC FEET PER SECOND
CLG.	CEILING
C.O.	CLEANOUT
C.O.D.P.	CLEAN OUT DECK PLATE
C.V.	CHECK VALVE
C.V.B.	CHECK VALVE BOX
D.I.	DROP INLET
D.F.	DRINKING FOUNTAIN
DN.	DOWN
EL.	ELEVATION
E.W.C.	ELECTRIC WATER COOLER
F.A.I.	FRESH AIR INLET
F.D.	FLOOR DRAIN
FL.	FLOOR
F.O.	FLOOR OUTLET
F.S	FLOOR SINK
F.U.	FIXTURE UNITS
FUN. DR.	FUNNEL DRAIN
F.V.	FLUSH VALVE FLUSHOMETER
G.V.	GATE VALVE
H.B.	HOSE BIBB
H.C.	HUNG CEILING
INV.	INVERT
LAV.	LAVATORY
MH.	MANHOLE
M.S.	MOP SINK
N.I.C.	NOT IN CONTRACT
O.S.&Y.	OUTSIDE SCREW & YOKE
P.C.	PLUG COCK
P.O.	PLUGGED OUTLET
R.P.B.	REDUCED PRESSURE BACKFLOW PREVENTER
R.D.	ROOF DRAIN
R.T.	RUNNING TRAP
R.V.	RELIEF VENT
S.P.O.	SOIL PLUGGED OUTLET
S.H.	SHOWER HEAD
SH.	SHOWER
SK.	SINK
S.S.	SERVICE SINK
S.E.	SEWAGE EJECTOR
T.D.	TERRACE DRAIN
T.E.	TERRACE ELEVATION
T.S.	TAMPER SWITCH
UR.	URINAL
U.O.S.W.	UNDER ANOTHER SECTION OF THE WORK
V. O.	VALVED OUTLET
V.T.R.	VENT THRU ROOF
V.P.O.	VENT PLUGGED OUTLET
W.C.	WATER CLOSET



SPRINKLER CONNECTION DETAIL

NOT TO SCALE

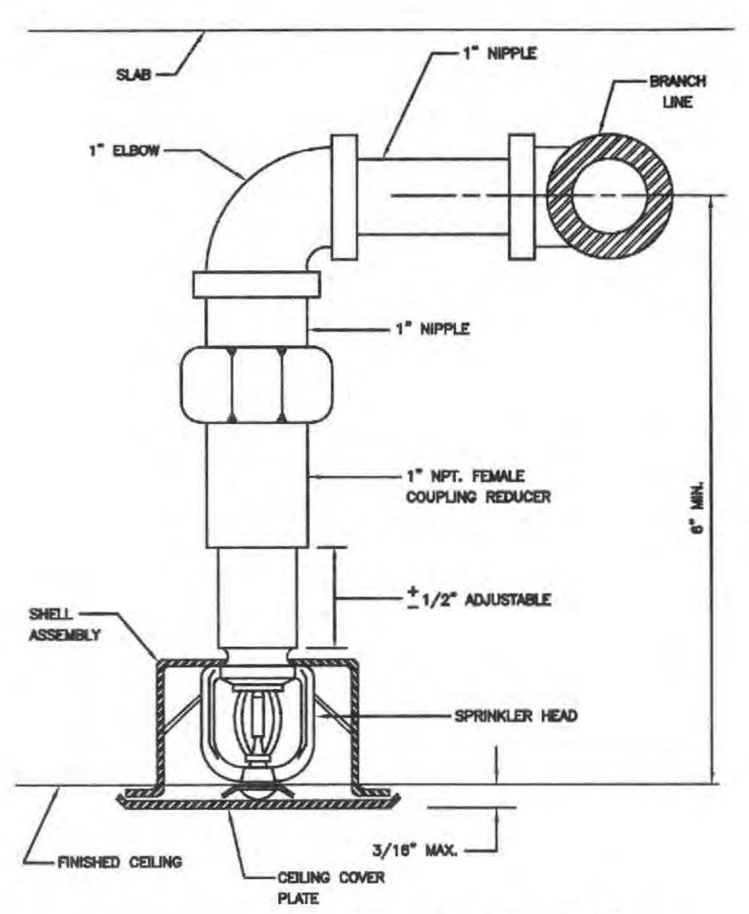


NOTE: WATER STOP AND SEAL ELEMENT SIZE TO BE AS PER MANUFACTURERS RECOMMENDATIONS, AND MATERIAL AND PIPE SIZE.

SCHEMATIC DETAIL WATERTIGHT SLEEVES THRU FOUNDATION WALLS

NO SCALE

MANUFACTURED BY CENTURY-LINE SLEEVE & LINK SEAL PIPE-THRU-WALL PENETRATION ASSEMBLY DETAIL THUNDERLINE CORPORATION, BELLEVILLE, MI 48111



CONCEALED SPRINKLER HEAD BRANCHLINE CONNECTION

NOT TO SCALE

architect / designer:

garrett singer
architecture & design

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Food Service:

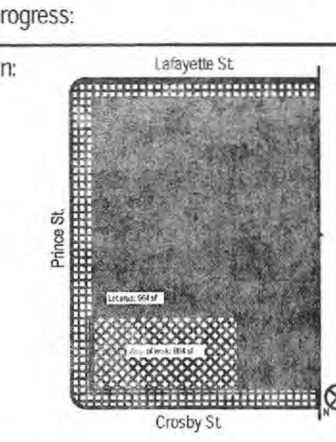
project:

Dig Inn
70 Prince St
New York, NY 10012

11/28/16	ISSUED
09/23/16	ISSUED FOR FILING/BID

issue progress:

key plan:



seal:

date: 09-01-2016
project no.: 16247
drawn by: TSF
checked by: TSF

sheet title:

PLUMBING DETAILS

drawing no.

P-301.00

PLUMBING SPECIFICATIONS

1. GENERAL
   A. THE APPLICABLE PROVISIONS OF THE GENERAL CONSTRUCTION SPECIFICATIONS SHALL BE ADHERED TO AND SHALL BE CONSIDERED A PART OF THESE SPECIFICATIONS.
   B. THE CONTRACTOR SHALL ADHERE TO ALL BUILDING RULES AND REGULATIONS, BUILDING STANDARDS, CONSTRUCTION SPECIFICATIONS AND DETAILS.
   C. EXAMINE THE ARCHITECTURAL DRAWINGS AND THE DRAWINGS OF ALL OTHER TRADES AND FIELD VERIFY THE LOCATION OF ALL EXISTING EQUIPMENT THAT AFFECTS THIS WORK.
   D. REPAIR OR REPLACE ALL EXISTING PIPING AND FIXTURES DAMAGED AS A RESULT OF PERFORMING THE WORK OF THIS CONTRACT. THE MATERIALS SHALL MATCH THE EXISTING AS CLOSE AS POSSIBLE.
   E. INSTALL ALL PLUMBING WORK IN STRICT ACCORDANCE WITH THE NEW YORK CITY BUILDING CODE AND CONFORM TO THE REQUIREMENTS ALL OTHER AUTHORITIES HAVING JURISDICTION.
   F. OBTAIN ALL NECESSARY PERMITS AND APPROVALS THAT ARE REQUIRED TO PERFORM THIS WORK.
2. NOTICE TO BIDDERS
   A. THE SPECIFICATIONS AND DRAWINGS ARE INTENDED TO SERVE JOINTLY AS A BASIS UPON WHICH THE CONTRACTOR SHALL SUBMIT A PRICE FOR THE MATERIAL AND LABOR PROVISIONS.
   B. WHEN CONFLICTS OCCUR BETWEEN THE SPECIFICATIONS AND THE DRAWINGS, THE ITEMS OF GREATER QUANTITY OR HIGHER COST SHALL BE PROVIDED.
   C. THE CONTRACTOR SHALL PROVIDE ALL ITEMS OF LABOR AND MATERIALS NOT SPECIFICALLY INDICATED, BUT REQUIRED TO COMPLETE THE INTENDED INSTALLATIONS.
   D. THE CONTRACTOR SHALL COORDINATE HIS WORK AND ADJUST SAME, AS REQUIRED, WITH THAT OF OTHER CONTRACTORS IN ORDER THAT CONFLICTS IN SPACE LOCATIONS DO NOT OCCUR.
   E. THE WORK UNDER THIS CONTRACT SHALL BE PERFORMED SIMULTANEOUSLY WITH THE WORK OF OTHER TRADES SO AS NOT TO DELAY THE OVERALL PROGRESS OF WORK.
   F. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR HIS WORK AND ITS COMPLETION, INCLUDING ITS FINAL ACCEPTANCE. ALL DAMAGED OR DEFECTIVE WORK SHALL BE REPAIRED OR REPLACED BY THIS CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
   G. THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT AND LOCATION OF ALL PIPING AND EQUIPMENT. THIS CONTRACTOR SHALL FURNISH ALL ADDITIONAL OFFSETS AND FITTINGS THAT MAY BE REQUIRED TO PERFORM THIS WORK.
   H. VISIT AND CAREFULLY EXAMINE THE EXISTING SPACE TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS AND DIFFICULTIES THAT MAY BE ENCOUNTERED. SUBMISSION OF A PROPOSAL SHALL BE CONSTRUED AS EVIDENCE THAT SUCH AN EXAMINATION HAS BEEN MADE, AND LATER CLAIMS FOR LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF SUCH DIFFICULTIES, WHICH COULD HAVE BEEN FORESEEN HAD SUCH AN EXAMINATION BEEN MADE, WILL NOT BE RECOGNIZED.
3. OPERATING AND MAINTENANCE INSTRUCTIONS
   A. AFTER FINAL TESTS AND ADJUSTMENTS, FULLY INSTRUCT OWNER'S OPERATING PERSONNEL IN ALL DETAILS OF OPERATION FOR EQUIPMENT INSTALLED.
   B. FURNISH TWO (2) COPIES OF OPERATING AND MAINTENANCE MANUALS FOR ALL EQUIPMENT. ALSO INCLUDE A PARTS LIST AND MAINTENANCE SCHEDULE.
4. SHOP DRAWINGS
   A. PRIOR TO PURCHASING ANY EQUIPMENT OR INSTALLING ANY SYSTEM COMPONENTS, SUBMIT THE FOLLOWING FOR REVIEW AND APPROVAL:
      1) A MINIMUM OF FOUR (4) SETS OF SHOP DRAWINGS INDICATING EXACT PIPING LAYOUT, SIZES, VALVES, EQUIPMENT LOCATIONS AND PIPING ELEVATIONS.
      2) EQUIPMENT SUBMITTALS INDICATING CAPACITIES AND PERFORMANCE DATA.
   B. PRIOR TO INSTALLING OR SUBMITTING FOR APPROVAL ANY PORTION OF THE WORK, COORDINATE THIS WORK WITH THE WORK OF ALL OTHER TRADES. AFFIX INDICATION OF THIS COORDINATION TO EACH SHOP DRAWING SUBMITTED FOR APPROVAL.
   C. USE OF THE CONTRACT DOCUMENTS AS SHOP DRAWINGS WILL NOT BE ACCEPTED.
5. RECORD DRAWINGS
   A. SUPPLY REPRODUCIBLE RECORD DRAWINGS INDICATING AN ACCURATE AND COMPLETE RECORD OF THE WORK AS INSTALLED.
   B. IN ADDITION TO THE REPRODUCIBLE DRAWINGS, PROVIDE AN AUTOCAD FILE FOR ALL WORK IN A DWG FORMAT.
6. TESTING
   A. TEST ALL PLUMBING PIPING IN ACCORDANCE WITH THE REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION.
   B. PERFORM TESTS ON ALL NEW WORK PRIOR TO CONCEALING SAME AND BEFORE INSULATION IS INSTALLED.
7. CLEANING
   A. AT THE COMPLETION OF THE WORK AND BEFORE FINAL INSPECTION IS MADE, THOROUGHLY CLEAN ALL FIXTURES, APPARATUS, APPURTENANCES, PIPING, BRASS AND CHROME WORK AND LEAVE SAME FREE FROM ALL MARKS, SCRATCHES, STAINS, ETC. REMOVE ALL TOOLS, DEBRIS, ETC., FROM THE PREMISES.
8. CLEANOUTS
   A. PROVIDE CLEANOUTS AT ALL CHANGES IN DIRECTION OF HORIZONTAL DRAINAGE PIPING. ALL CLEANOUT PLUGS ARE TO BE BRASS AND BE LUBRICATED WITH GRAPHITE BEFORE INSTALLATION.
   B. CLEANOUT DECK PLATES SHALL HAVE A SCORIATED NICKEL BRONZE TOP IN FINISHED AREAS AND A SCORIATED BRONZE TOP IN UNFINISHED AREAS. THE TOPS SHALL BE COMPATIBLE WITH THE SURROUNDING FINISHES.
9. PIPING AND FITTINGS
   A. CONFORM TO THE LATEST ASTM AND/OR FS STANDARDS.
   B. THE BUILDING STANDARDS SHALL TAKE PRECEDENCE OVER THESE SPECIFICATIONS.
   C. SOIL, WASTE AND STORM PIPING: NO-HUB STANDARD WEIGHT CAST IRON SOIL PIPE AND FITTINGS WITH CISPI STAINLESS STEEL CLAMPS OR SCHEDULE 40 GALVANIZED STEEL SCREW PIPE WITH GALVANIZED CAST IRON RECESSED PATTERN DRAINAGE FITTINGS ABOVE GROUND; SERVICE WEIGHT CAST IRON SOIL PIPE AND FITTINGS WITH GASKETED JOINTS FOR BURIED PIPING WITHIN THE BUILDING; EXTRA HEAVY CAST IRON SOIL PIPE AND FITTINGS WITH LEAD AND OAKUM JOINTS FOR BURIED PIPING OUTSIDE THE BUILDING.
   D. VENT PIPING: NO-HUB STANDARD WEIGHT CAST IRON SOIL PIPE AND FITTINGS WITH CISPI STAINLESS STEEL CLAMPS OR SCHEDULE 40 GALVANIZED STEEL SCREW PIPE WITH MALLEABLE IRON STEAM PATTERN FITTINGS FOR ABOVE GRADE INSTALLATIONS. SERVICE WEIGHT CAST IRON SOIL PIPE AND FITTINGS WITH GASKETED JOINTS FOR BURIED PIPING.
   E. DOMESTIC COLD, HOT AND HOT WATER CIRCULATION PIPING: TYPE "L" COPPER TUBING WITH WROT COPPER OR CAST BRONZE FITTINGS AND LEAD-FREE SOLDERED JOINTS. TYPE "K" COPPER TUBING SHALL BE USED FOR ALL BURIED WATER PIPING WITHIN THE BUILDING.
   F. EXPOSED WATER PIPING AT FIXTURES: CHROME PLATED RED BRASS, EXCEPT SUPPLY RISERS MAY BE CHROME PLATED FLEXIBLE COPPER.
   G. GAS PIPING: SCHEDULE 40 SEAMLESS BLACK STEEL PIPE WITH THREADED, MALLEABLE IRON FITTINGS FOR 4" AND SMALLER SIZES. GAS PIPING AND FITTINGS 5" AND LARGER SHALL HAVE WELDED JOINTS.
10. VALVES
    A. SHUT-OFF VALVES AND BALANCING VALVES 3" AND SMALLER: BRONZE BODY, UNION/THREADED END BALL VALVES, 600 WOG, APOLLO 70-100 SERIES.
    B. SHUT-OFF VALVES 4" AND LARGER SHALL BE OS&Y TYPE, IRON BODY, BRONZE MOUNTED, MILWAUKEE MODEL F2885M.
    C. CHECK VALVES 2" AND SMALLER: BRONZE BODY, SOLDER ENDS, MILWAUKEE MODEL 510. 2.5" AND LARGER: IBBM, FLANGED ENDS, MILWAUKEE MODEL F2974M.
    D. GAS VALVES: .75" BALL VALVES SHALL BE MILWAUKEE MODEL BB2-100. LUBRICATED PLUG VALVES 1" AND LARGER SHALL BE HOMESTEAD FIGURE 611 OR 612.
    E. PRESSURE REDUCING VALVES: PROVIDE CLA-VAL MODEL 990 ON ALL CONNECTIONS WHERE THE PRESSURE EXCEEDS 85 PSI.
11. WATER HAMMER ARRESTORS
    A. INSTALL WATER HAMMER ARRESTORS IMMEDIATELY ADJACENT TO ALL EQUIPMENT WITH QUICK-CLOSING SHUT-OFF VALVES. J. R. SMITH 5000 SERIES.
12. INSULATION
    A. COVER ALL WATER PIPING, DRINKING FOUNTAIN WASTES AND HORIZONTAL STORM WATER PIPING WITH .5" FIBERGLASS PIPE INSULATION, 7.25 LBS PER CUBIC FOOT DENSITY WITH A MAXIMUM K FACTOR OF 0.24 AT 75°F. PROVIDE INSULATION WITH A FACTORY APPLIED, ALL PURPOSE VAPOR BARRIER JACKET WITH A SELF-SEALING LAP. INSULATION SHALL HAVE A COMPOSITE FIRE AND SMOKE HAZARD RATINGS NOT TO EXCEED 25 FLAME SPREAD AND 50 SMOKE DEVELOPED.
    B. ALL FITTINGS, VALVES, AND ROOF DRAIN BODIES SHALL BE COVERED WITH A GLASS JACKET, OR APPROVED EQUAL, OF THE SAME THICKNESS AND DENSITY AS ON THE ADJACENT PIPES.
    C. SEAL ALL ENDS OF INSULATION WITH BENJAMIN FOSTER BF 30-35 SEALANT.
    D. PROVIDE RIGID HIGH TEMPERATURE HYDROUS CALCIUM SILICATE INSULATION, 12 LBS PER CUBIC FOOT, ON ALL WATER PIPING PASSING THROUGH FIRE-RATED WALLS OR FLOORS.
    E. INSULATION FOR WATER PIPING PROVIDED WITH AN ELECTRIC HEATING CABLE SHALL BE OF A THICKNESS AS RECOMMENDED BY THE MANUFACTURER, BUT NEVER LESS THAN 1" THICKNESS.
    F. PROVIDE INSULATION ON P-TRAPS OF ALL ADA LAVATORIES, SIMILAR TO TRAP WRAP.
13. SLEEVES
    A. PROVIDE SLEEVES FOR ALL PIPING PENETRATIONS THROUGH WALLS AND POURED FLOORS.
    B. SLEEVES TO HAVE AN INTERNAL DIAMETER 1" LARGER THAN THE OUTSIDE DIAMETER OF THE PIPE, INCLUDING INSULATION, UNLESS OTHERWISE NOTED HEREIN.
    C. CARRY INSULATION THROUGH PIPE SLEEVES.
    D. PROVIDE CAULKING BETWEEN PIPES AND PIPE SLEEVES AS FOLLOWS:
       1) FLOORS: OAKUM HEMP AND LEAD OR AS SPECIFIED FOR FIRE-RATED SHAFT WALLS BELOW.
       2) WATERPROOF WALLS: PERMANENT PLASTIC WATER-PROOF CAULKING COMPOUND, OR FIBERGLASS TO WITHIN .5" OF THE SURFACE AND FINISHED WITH CAULKING COMPOUND.
       3) FIRE-RATED SHAFT WALLS: MINERAL WOOL SEALED WITH JOHNS-MANVILLE "DUCKSEAL". INSTALL ESCUTCHEON WITH SET SCREW ON BOTH SIDES OF THE WALL.
14. HANGERS, ANCHORS AND INSERTS
    A. PROVIDE SUBSTANTIAL SUPPORT AND FASTENING FOR ALL EQUIPMENT AND PIPING. STRAP IRON OR PERFORATED STRAPS ARE NOT ACCEPTABLE. ATTACH SUPPORTS TO THE BUILDING STRUCTURE WITH BEAM CLAMPS, SHOT OR POURED INSERTS OR PHILLIPS, OR EQUAL, .75" EXPANSION BOLTS OR SHIELDS.
    B. PIPING IS TO BE SUPPORTED BY INDIVIDUAL CLEVIS TYPE HANGERS OR BY TRAPEZE HANGERS AT THE FOLLOWING INTERVALS:
       1) CAST IRON PIPE: EVERY 5'-0" AND ON BOTH SIDES OF EACH JOINT.
       2) COPPER AND STEEL PIPE 1.5" AND LARGER: AT 10'-0" INTERVALS.
       3) COPPER AND STEEL PIPE 1.25" AND SMALLER: AT 6'-0" INTERVALS.
       4) PROVIDE A SEPARATE SUPPORT FOR BRANCH PIPING 5'-0" AND LONGER.
    C. DO NOT SUPPORT PIPING FROM OTHER PIPING OR EQUIPMENT.
    D. SUPPORT VERTICAL LINES ADEQUATELY AT THEIR BASES BY A SUITABLE HANGER PLACED ON THE HORIZONTAL LINE NEAR THE BASE OF THE RISER. AN ADDITIONAL SUPPORT SHALL BE PLACED ON THE VERTICAL LINE AT EACH STORY.
    E. PROTECT INSULATED PIPES BY A SHEET STEEL INSERT AND PROVIDE A RIGID, HYDROUS CALCIUM SILICATE INSULATION INSERT AT THE HANGER.
15. CUTTING AND PATCHING
    A. DO NOT DISTURB ANY EXISTING STRUCTURE, PIPING OR OTHER WORK. WHERE CUTTING, DRILLING OR REMOVALS ARE REQUIRED IN EXISTING WALLS, FLOOR OR ROOF CONSTRUCTION, PERFORM THE WORK IN A MANNER THAT WILL SAFEGUARD AND NOT ENDANGER THE STRUCTURE OR ITS OCCUPANTS PRIOR TO ANY CUTTING OR REMOVALS. INVESTIGATE BOTH SIDES OF THE SURFACE INVOLVED AND DETERMINE THE EXACT LOCATION OF ADJACENT STRUCTURAL MEMBERS BY VISUAL EXAMINATION. ALL CUTTING AND PATCHING MUST BE COORDINATED BY THE GENERAL CONTRACTOR. REFER TO THE GENERAL CONSTRUCTION SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
    B. EMPLOY MAXIMUM USE OF CORE DRILLING FOR PENETRATIONS THROUGH THE EXISTING STRUCTURE. DO NOT JACK HAMMER OR USE ANY OTHER CHOPPING METHODS EXCEPT WHERE OR WHEN SPECIFICALLY APPROVED BY THE ARCHITECT.
16. DEMOLITION
    A. PROVIDE ALL MATERIALS, LABOR AND SUPERVISION REQUIRED TO REMOVE, RELOCATE AND ALTER THE EXISTING PLUMBING SYSTEMS ASP INDICATED ON THE CONTRACT DRAWINGS.
    B. PERFORM THE WORK AS SCHEDULED BY THE GENERAL CONTRACTOR OR CONSTRUCTION MANAGER. PLAN THE INSTALLATION OF NEW AND INTERIM WORK TO INSURE MINIMUM INTERFERENCE WITH THE REGULAR OPERATION OF THE EXISTING FACILITIES. SUBMIT TO THE OWNER FOR APPROVAL A DATE SCHEDULE OF REQUIRED SHUTDOWNS PRIOR TO PERFORMING THE WORK.
    C. THIS WORK INCLUDES DISCONNECTING PIPING AT STACKS OR RISERS AND CAPPING TO AVOID DEAD ENDS, RECONNECTING ALL SYSTEMS AS REQUIRED TO ASSURE CONTINUITY IN CIRCULATING OR SUPPLY LINES AND RAISING ALL PLUMBING LINES WHERE REQUIRED TO CLEAR NEW CEILING HEIGHTS.
    D. ALL BULK DEMOLITION CONCEALED IN CONSTRUCTION AND OTHERWISE BETWEEN REMOVAL POINTS DESCRIBED ABOVE WILL BE PROVIDED UNDER OTHER WORK.
    E. TURN OVER ALL FIXTURES, PIPING AND EQUIPMENT TO THE OWNER TO DISPOSE OF, OR AS OTHERWISE DIRECTED.
    F. PROVIDE INTERIM WORK, IF REQUIRED, FOR CONTINUED, UNINTERRUPTED SERVICE WHERE EXTENDED SHUTDOWN IS REQUIRED.
17. CROSS CONTAMINATION PROTECTION
    A. PROVIDE A WATTS MODEL 7C DUAL CHECK BACKFLOW PREVENTER ON HOT AND COLD WATER SUPPLIES TO EQUIPMENT SUCH AS COFFEE MAKERS, ICE MACHINES, DISHWASHERS, AND OTHER SIMILAR FOOD SERVICE EQUIPMENT.
    B. PROVIDE A DOUBLE CHECK VALVE ASSEMBLY, CONBRACO SERIES 40-100, ON EACH HOT OR COLD WATER SUPPLY TO MECHANICAL EQUIPMENT WHERE AN AIR GAP IS ATTAINED BUT IS LESS THAN TWO TIMES THE PIPE DIAMETER. PROVIDE A DOUBLE CHECK VALVE ASSEMBLY ON ALL COOLING TOWER MAKE-UP CONNECTIONS REGARDLESS OF THE AIR GAP DIMENSION.
    C. PROVIDE AN RPZ WHERE INDICATED ON THE PLANS (WILKINS MODEL 975XLT).
18. PLUMBING FIXTURES AND TRIM
    A. PROVIDE ALL PLUMBING FIXTURES COMPLETE WITH ALL SUPPLY FITTINGS, TRAPS, VALVES, CARRIERS, HANGERS AND APPURTENANCES NECESSARY FOR OPERATION. REFER TO THE PLUMBING FIXTURE SCHEDULE FOR FIXTURE SPECIFICATIONS. REFER TO THE ARCHITECTURAL DRAWINGS FOR FIXTURE SPECIFICATIONS NOT CONTAINED HEREIN.
    B. IF NOT SPECIFIED WITH THE FIXTURE, PROVIDE CHROME PLATED SUPPLIES THROUGH THE WALL, WHEEL HANDLE STOPS, AND FLEXIBLE SUPPLIE RISERS, TAIL PIECES, CAST BRASS P-TRAPS, WASTE TO WALL AND ESCUTCHEONS AS REQUIRED FOR A COMPLETE INSTALLATION. ALL EXPOSED TRIM IS TO BE CHROME PLATED. WHERE SHOWER BASES ARE TO BE ASSEMBLED ON SITE, PROVIDE A SUITABLE LEAD PAN BASE.
    C. ALL FIXTURES ARE TO BE IN COMPLIANCE WITH LOCAL, MUNICIPAL AND STATE HANDICAP REQUIREMENTS. IN GENERAL, ANSI A117.1 IS TO BE FOLLOWED. COORDINATE REQUIRED CLEARANCES BEFORE INSTALLATION.
    D. MOUNT ALL HANDICAP LAVATORIES, WATER CLOSETS AND DRINKING FOUNTAINS IN ACCORDANCE WITH GOVERNING BARRIER FREE LAWS.
    E. WHERE APPLICABLE, SEAL ALL FIXTURES TO WALLS AND FLOORS USING G. E. SILICONE SEALANT. MATCH SILICONE COLOR TO FIXTURE COLOR.
    F. PROVIDE AN ACCESSIBLY LOCATED STOP VALVE ON EACH WATER CONNECTION TO EACH FIXTURE WHETHER THE FIXTURE IS FURNISHED BY THIS CONTRACTOR OR BY OTHERS.
    G. CLEAN FIXTURES, TRIM AND STRAINERS USING MANUFACTURERS RECOMMENDED CLEANING METHODS AND MATERIALS.
19. ACCESS DOORS
    A. THIS CONTRACTOR SHALL PREPARE A LIST OF ALL ACCESS DOORS REQUIRED FOR OPERATION AND MAINTENANCE OF ALL CONCEALED EQUIPMENT, VALVES, CONTROLS, AND OTHER SIMILAR DEVICES, WHICH SHALL BE SUPPLIED TO THE GENERAL CONTRACTOR WHO SHALL FURNISH AND INSTALL SAME. ACCESS DOORS SHALL BE OF AN AMPLE SIZE (MINIMUM 12" X 12").
    B. IN ADVANCE OF CEILING INSTALLATIONS, SUITABLY FIELD TAG AND IDENTIFY ALL CONCEALED ITEMS THAT REQUIRE ACCESS DOOR PROVISIONS.
20. INDIRECT WASTE PIPING
    A. PROVIDE ALL REQUIRED INDIRECT WASTE PIPING. INDIRECT WASTE PIPING MATERIAL IS TO BE COPPER TUBING OR GALVANIZED STEEL AND IT SHALL BE ARRANGED TO CAUSE AS LITTLE CONGESTION BELOW EQUIPMENT OR IN CABINETS AS POSSIBLE. TERMINATE INDIRECT WASTE PIPING 1" ABOVE FLOOR DRAIN OR FLOOR SINK. CUT END OF PIPES AT 45° ANGLE.
21. HOSE BIBBS
    A. PROVIDE A SPEAKMAN MODEL SC-5911 CHROME PLATED BRASS HOSE BIBB COMPLETE WITH VACUUM BREAKER.
22. FLOOR DRAINS
    A. FLOOR DRAINS IN FINISHED AREAS ARE TO BE ZURN MODEL ZN-415, CAST IRON BODY WITH NICKEL BRONZE STRAINER. PROVIDE WITH A TRAP PRIMER CONNECTION.
    B. FLOOR DRAINS IN MECHANICAL ROOMS ARE TO BE ZURN MODEL Z-525, CAST IRON BODY AND GRATE.
    C. WHERE FLOOR DRAINS REQUIRE A FUNNEL TOP, PROVIDE ZURN MODEL Z-328 FUNNEL ASSEMBLY. THE FINISH OF THE FUNNEL ASSEMBLY IS TO MATCH THE FINISH OF THE GRATE.
23. TRAP PRIMERS
    A. TRAP PRIMERS SHALL BE MIFAB MODEL M2-500. TRAP PRIMERS SHALL BE PROVIDED FOR EACH FLOOR DRAIN.
24. HOT WATER HEATER
    A. AO SMITH DRE-120-36, 120 GALLON, 35 kW, 208V, 3-PHASE
25. EXPANSION TANK
    A. PROVIDE AMTROL MODEL ST-12-C EXPANSION TANK WHERE SHOWN ON PLANS.
26. GREASE TRAP
    A. ZURN Z1172-1000 100 GPM, 200 LBS GREASE CAPACITY.
27. HOT WATER CIRCULATOR
    A. BELL & GOSSETT MODEL NBF-12U/LW, 5 GPM @ 8'TDH, BRONZE BODY, LEAD-FREE. 55 WATTS, 115 VOLTS, 1 PHASE.

2014 NEW YORK CITY BUILDING DEPARTMENT PLUMBING NOTES

THE PLUMBING SYSTEMS (SANITARY, WASTE, VENT, WATER DISTRIBUTION AND GAS) AND ALL ASSOCIATED EQUIPMENT WILL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE FULL REQUIREMENTS OF THE NEW YORK CITY 2008 PLUMBING CODE.

1. THE SANITARY SYSTEM SHALL BE PROVIDED IN FULL ACCORDANCE WITH THE GENERAL PROVISIONS OF SECTION PC301
2. THE MATERIALS USED IN THE PLUMBING SYSTEMS WILL BE PROVIDED IN FULL ACCORDANCE WITH SECTIONS PC302 AND PC303
3. EQUIPMENT HOOK-UP AND THE JOINING WILL BE FULL COMPLIANCE WITH SECTIONS PC605 AND PC705
4. THE INSTALLATION OF FIXTURES WILL BE IN FULL ACCORDANCE WITH PC CHAPTER 4.
5. TRAPS FOR FIXTURES AND DRAIN LINES WILL BE PROVIDED AND CLEANOUTS INSTALLED IN FULL COMPLIANCE WITH SECTIONS PC412, PC708, AND PC CHAPTER 10.
6. VERTICAL AND HORIZONTAL PIPING WILL BE HUNG AND SUPPORTED AS DIRECTED IN SPECIFICATIONS AND WITH THE FULL COMPLIANCE WITH SECTION PC308.
7. THE WATER SUPPLY SYSTEMS OF THE SUBJECT BUILDING SHALL BE INSTALLED AND M MAINTAINED IN FULL COMPLIANCE WITH PC CHAPTER 6.
8. THE SANITARY DRAINAGE SYSTEM WILL BE SIZED AND INSTALLED IN FULL COMPLIANCE WITH PC CHAPTER 7.
9. THE VENT PIPING FOR THE SANITARY DRAINAGE SYSTEM OF THE SUBJECT BUILDING WILL BE INSTALLED IN FULL COMPLIANCE WITH SECTION PC702 & PC CHAPTER 9.
10. THE STORM DRAINAGE SYSTEM AND PIPING WILL BE INSTALLED IN FULL COMPLIANCE WITH PC CHAPTER 11.
11. GAS PIPING AND EQUIPMENT WILL BE INSTALLED IN FULL COMPLIANCE WITH THE NEW YORK CITY FUEL GAS CODE.
12. ALL TRENCHING SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION PC306.
13. RAT PROOFING SHALL BE IN ACCORDANCE WITH SECTION PC304.
14. TEMPORARY TOILET FACILITIES SHALL BE PROVIDED FOR WORKMAN AS PER SECTION PC311.

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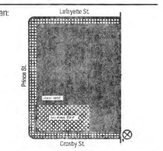
key plan:


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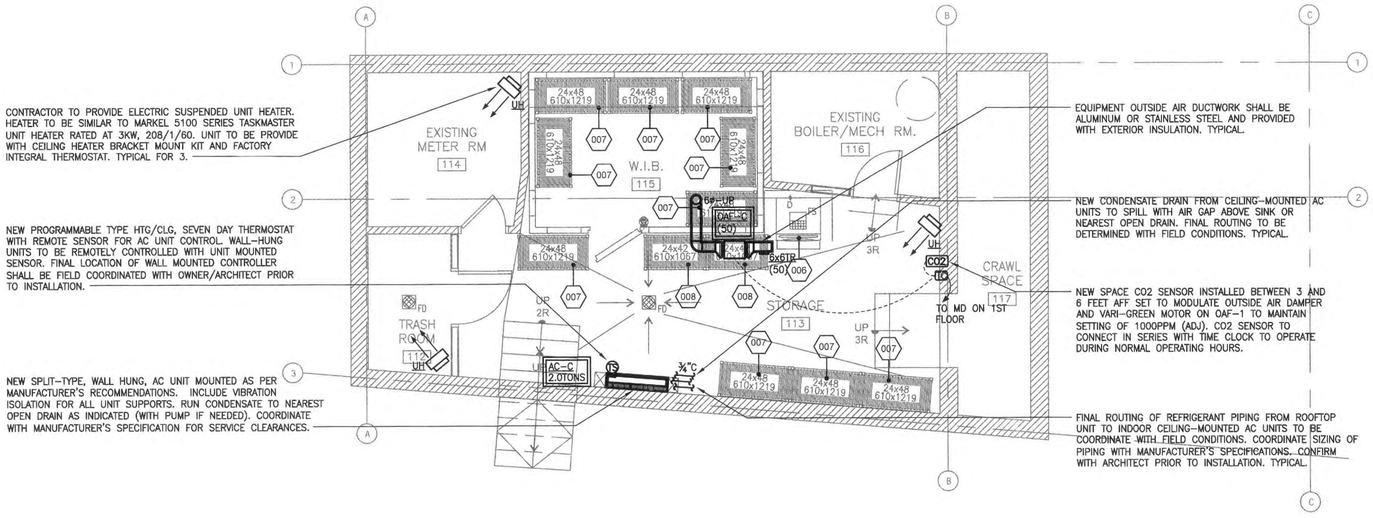

01 CELLAR MECHANICAL PLAN

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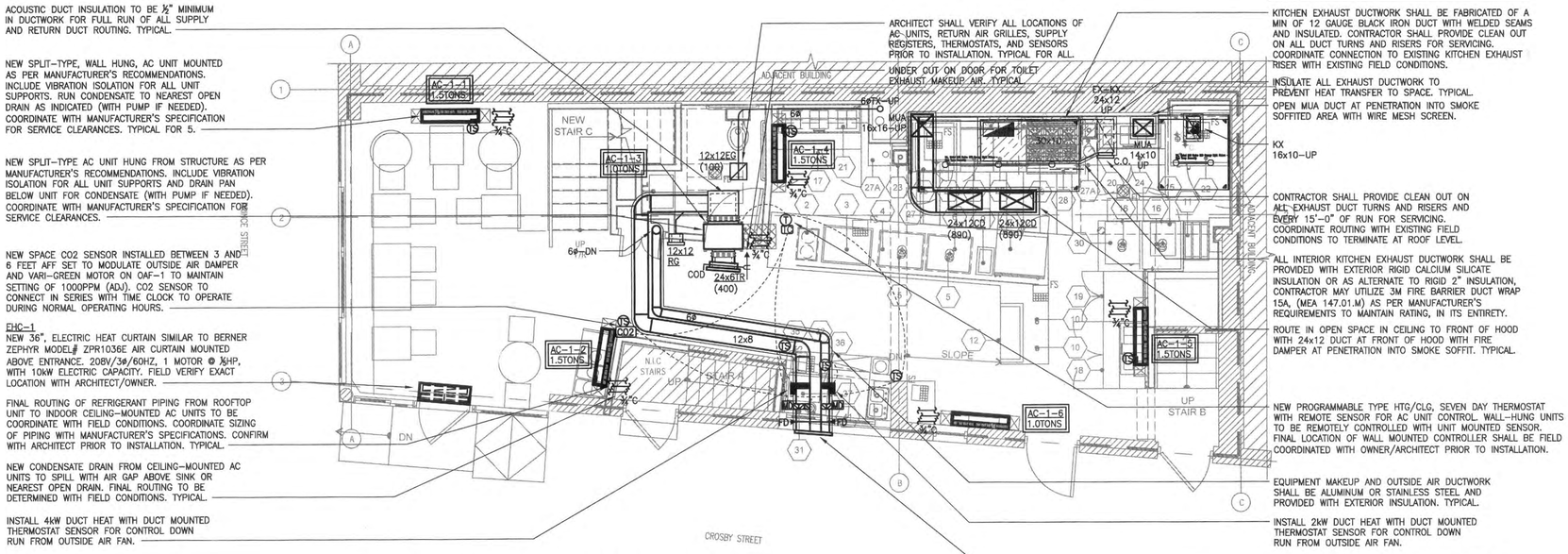

02 1ST FLOOR MECHANICAL PLAN

Scale: 1/4" = 1'-0"

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key plan:

seal:

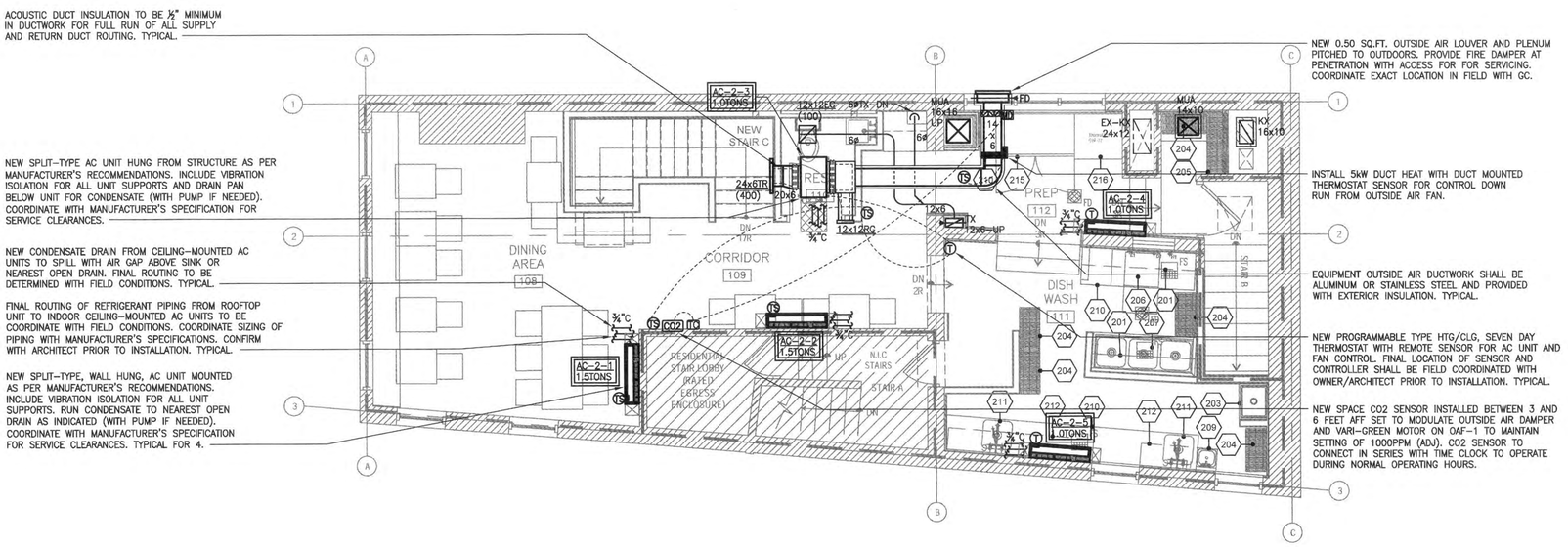
date:	09-01-2016
project no.:	16247
drawn by:	TSF
checked by:	TSF

sheet title:

CELLAR & 1ST FLOOR MECHANICAL PLAN

drawing no.

M-101.00



01 2ND FLOOR MECHANICAL PLAN
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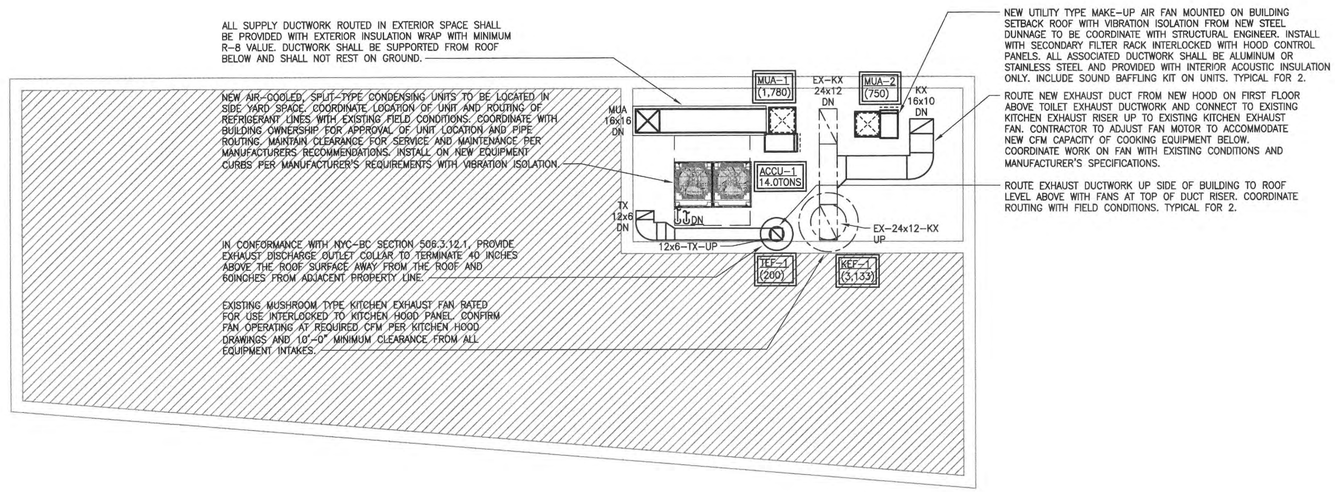

02 3RD FLOOR SETBACK AND ROOF PLAN
Scale: 1/4" = 1'-0"

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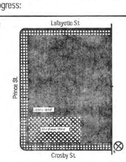
issue progress:

key plan:



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2ND FLOOR & ROOF MECHANICAL PLAN

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