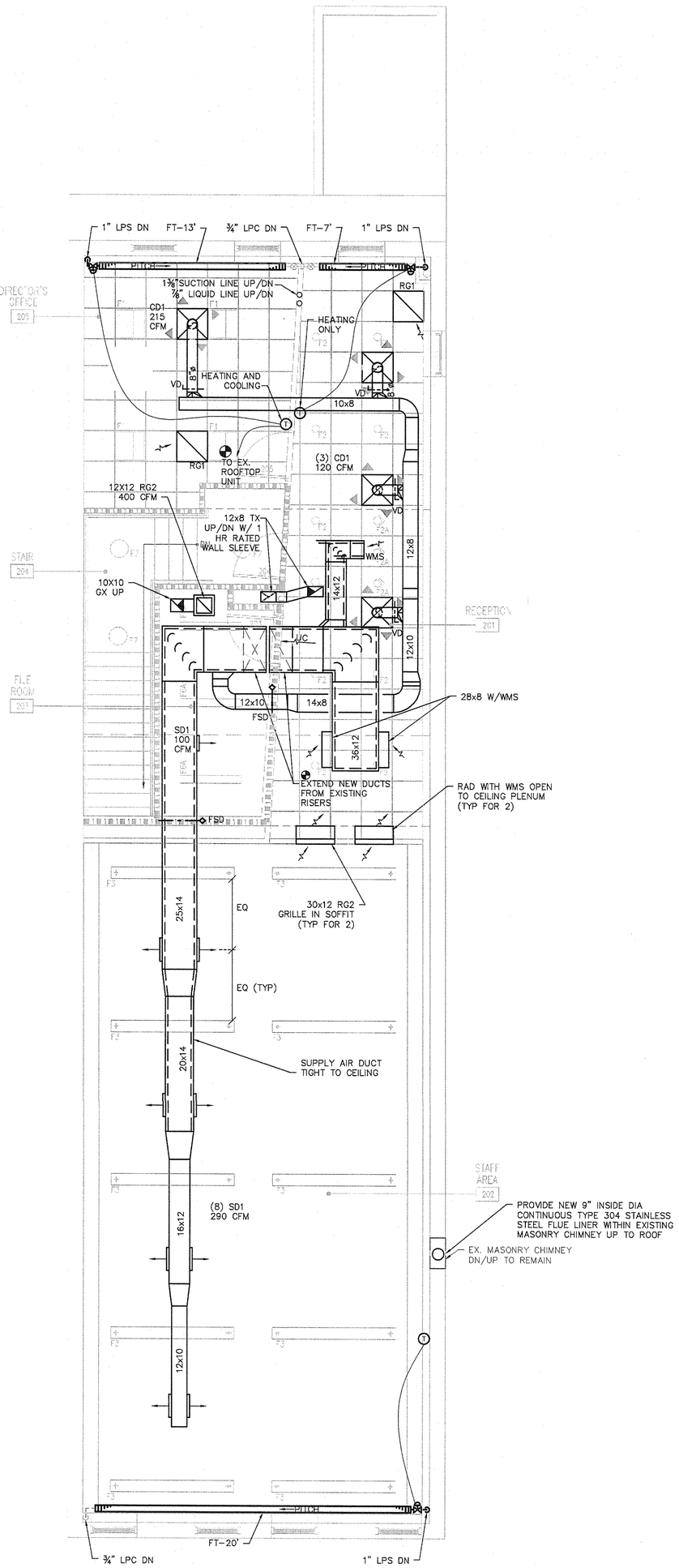
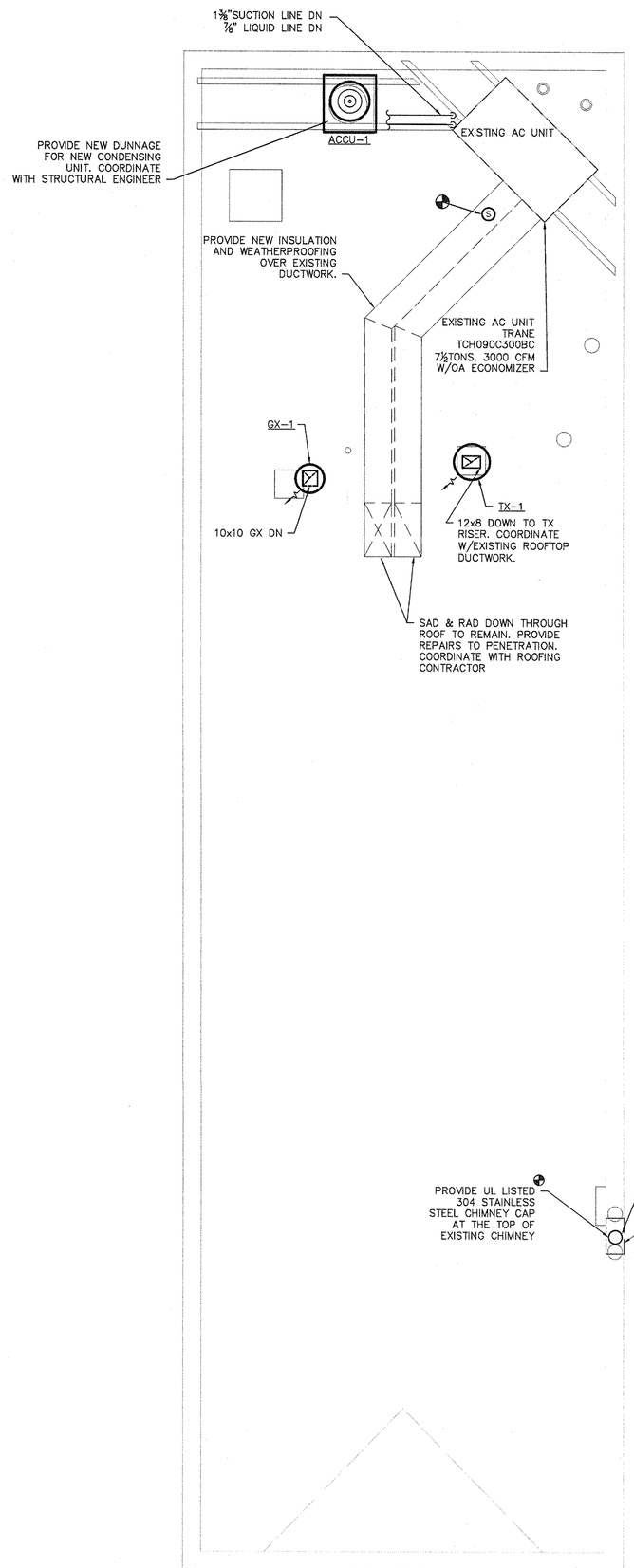


1 SECOND FLOOR HVAC CONSTRUCTION PLAN

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



2 ROOF HVAC CONSTRUCTION PLAN

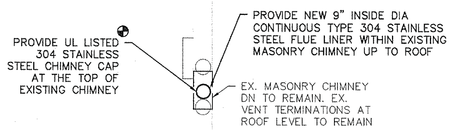
SCALE: 1/4"=1'-0"

ROOFTOP AC UNIT SCOPE NOTES:

1. PROVIDE FULL OVERHAUL EXISTING AC UNIT:
   - 1.1. PRESSURE TEST THE REFRIGERANT SYSTEM AND CHARGE THE SYSTEM WITH REFRIGERANT AND OIL
   - 1.2. CLEAN ALL COILS
   - 1.3. PROVIDE NEW FAN BELTS
   - 1.4. BALANCE FANS TO AIRFLOWS SHOWN
   - 1.5. PROVIDE NEW FILTERS
   - 1.6. PROVIDE NEW CONDENSATE PIPING WITH TRAP FROM COOLING COIL DRAIN PAN TO ROOF DRAIN
   - 1.7. LUBRICATE ALL FAN BEARINGS
   - 1.8. OPERATE THE UNIT IN COOLING AND HEATING MODES AND CHECK THE AMP DRAW TO VERIFY THAT IS WITHIN THE MANUFACTURER SPECIFICATION
   - 1.9. CHECK THE COOLING AND HEATING SUPPLY AIR TEMPERATURES TO VERIFY THAT IS WITHIN SPECIFICATION – COOLING SAT SHALL BE 55 DEGREES F, HEATING SAT SHALL BE 100 DEGREES F.
2. PROVIDE A LIST OF POSSIBLE PARTS TO BE REPLACED AND UNIT COSTS FOR EACH INCLUDING BUT NOT LIMITED TO:
   - 2.1. SUPPLY FAN MOTOR
   - 2.2. CONDENSER FAN MOTOR
   - 2.3. CONDENSER FAN BLADES
   - 2.4. COMPRESSORS (EACH SIZE)
   - 2.5. EVAPORATOR COIL
   - 2.6. CONDENSER COIL
   - 2.7. ELECTRIC HEATING COIL
   - 2.8. CONTROL PANEL
   - 2.9. REFRIGERANT TXV
   - 2.6. REFRIGERANT FILTER/DRYER
3. PROVIDE AN ALTERNATE COST TO REPLACE ENTIRE AC UNIT IN KIND

GENERAL NOTES:

1. PROVIDE CONTINUOUS 1 SQFT MIN RETURN AIR PATH FROM EACH SPACE TO RETURN DUCT SERVING THAT SPACE.
2. PROVIDE 1" ACOUSTICAL LINING 20' FROM ALL FANS AND AS SHOWN ON PLANS
3. CONTRACTOR SHALL CONDUCT A SMOKE TEST IN ACCORDANCE WITH THE REQUIREMENTS OF NYC BC CHAPTER 21, SECTION 2113.22. ON THE EXISTING CHIMNEY(S).
4. HEATING THERMOSTATS SHALL BE SET TO 5 DEG F LOWER THAN COOLING (AC UNIT) THERMOSTAT SETPOINT.



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.

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Project
BROOKLYN PHILHARMONIC MUSIC CENTER
299 DeGraw Street, Brooklyn, NY 11231

Prepared for
Brooklyn Philharmonic
55 Washington Street, Suite 656
Brooklyn, NY 11201

Contract No: 79.07250.09

HOK
1065 Avenue of the Americas
New York, NY 10018 USA
t +1 212 741 1200 f +1 212 633 1163

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NEW YORK CITY DEPARTMENT OF DESIGN + CONSTRUCTION

NYC Department of Design & Construction
30-30 Thompson Avenue, #5-076
Long Island City, NY 11101

Old Structures
Structural Engineers
111 Broadway, 14th Floor
New York, NY 10006

M-E Engineers
MEP Engineers
29 West 38th Street, 5th Floor
New York, NY 10018

Syska Hennessy Group
Lighting Consultant
11 West 42 Street
New York, NY 10036

Key Plan

BLOCK: 414
LOT: 61

Professional Seals

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It is a violation of the law of the State of New York for any person, unless acting under the direction of a licensed architect, to alter any item on these drawings.

No.	Issue Description	MM-DD-YYYY
1	ISSUED FOR FILING	06-14-2012
2	ISSUED FOR BID	07-20-2012

No.	Revision Description	MM-DD-YYYY

B-Scan

Drawn by AW Reviewed by EP
Project No 79.07250.09
Date June 1, 2011
CAPIS ID PV467BPHL

Sheet Title
SECOND FLOOR AND ROOF HVAC CONSTRUCTION PLANS

Sheet Number
M-102.00

Sheet 5 of 8
Original drawing is 42 x 30 Do not scale contents of this drawing