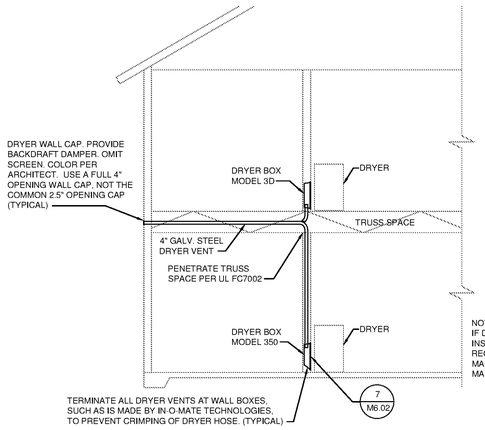
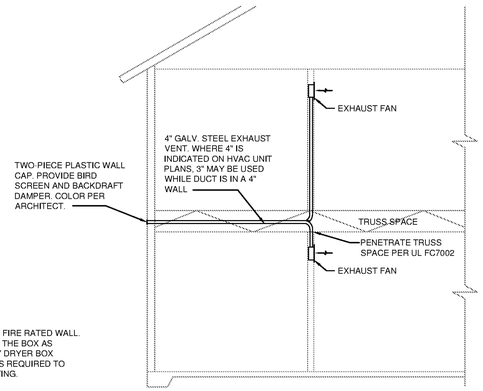


NOTE:
IF DRYER BOX IS IN FIRE RATED WALL, INSULATE AROUND THE BOX AS RECOMMENDED BY DRYER BOX MANUFACTURER AS REQUIRED TO MAINTAIN FIRE RATING.

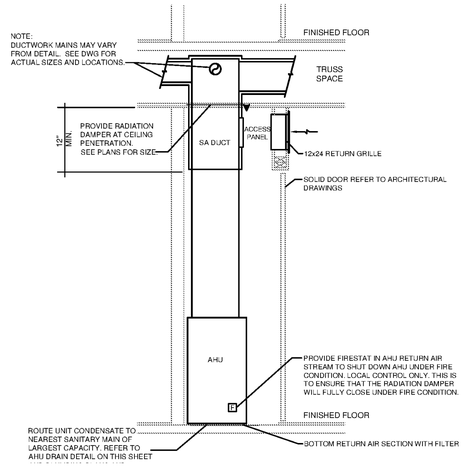
1 TYPICAL DRYER VENTING DETAIL

NO SCALE



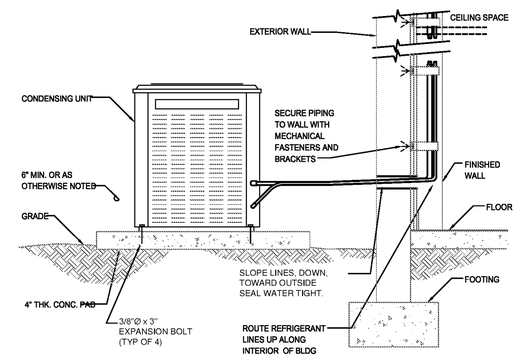
2 TYPICAL EXHAUST VENTING DETAIL

NO SCALE



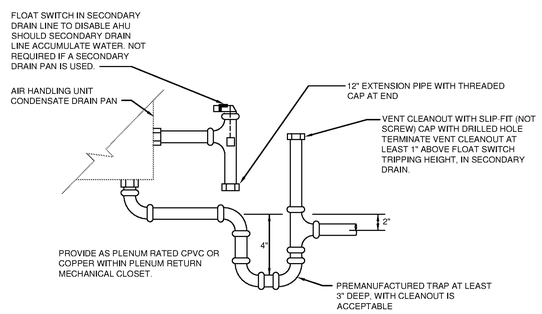
3 TYPICAL AHU AT LIVING UNIT

NO SCALE



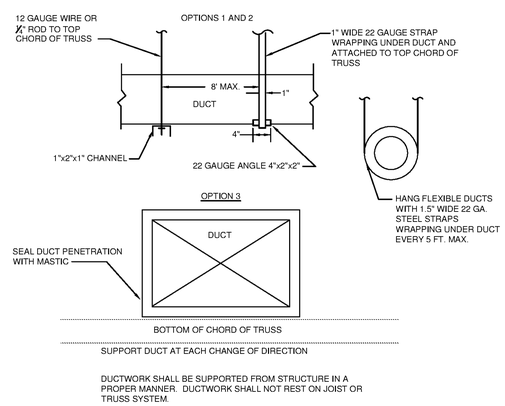
4 CONDENSING UNIT DETAIL

NO SCALE



5 TYPICAL AHU DRAIN DETAIL

NO SCALE

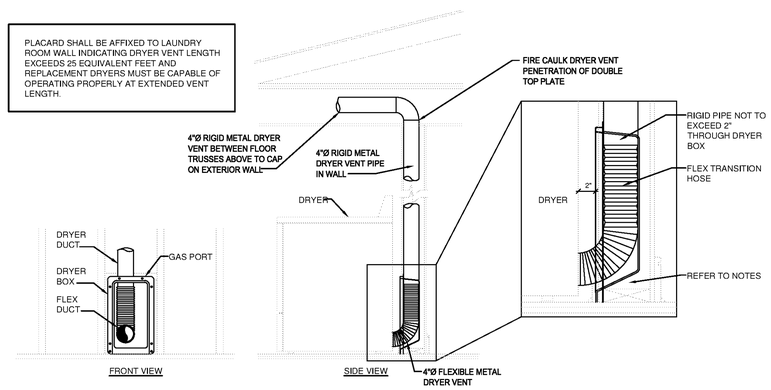


DUCTWORK SHALL BE SUPPORTED FROM STRUCTURE IN A PROPER MANNER. DUCTWORK SHALL NOT REST ON JOIST OR TRUSS SYSTEM.

6 TYPICAL DUCT SUPPORT DETAIL

NO SCALE

PLACARD SHALL BE AFFIXED TO LAUNDRY ROOM WALL INDICATING DRYER VENT LENGTH EXCEEDS 25 EQUIVALENT FEET AND REPLACEMENT DRYERS MUST BE CAPABLE OF OPERATING PROPERLY AT EXTENDED VENT LENGTH.



DRYER BOX INSTALLATION

DRYER VENTING: MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR RUNNING ALL DUCTWORK FROM THE DRYER EXHAUST SYSTEM. ALL CONCEALED DRYER DUCTING MUST BE RIGID METAL (GALVANIZED OR ALUMINUM) MINIMUM OF 4" IN DIAMETER, SMOOTH 30 GA. CLEAN, UNOBSTRUCTED, FRICTIONLESS DUCTS (NO FLEXIBLE DUCT ALLOWED IN CONCEALED AREAS). SEAL ALL JOINTS WITH FOIL BACKED PRESSURE SENSITIVE DUCT TAPE MEETING THE REQUIREMENTS OF UL 181. DUCT JOINTS SHALL BE INSTALLED SO THAT THE MALE END OF THE DUCT POINTS IN THE DIRECTION OF THE AIRFLOW. DO NOT USE RIVETS OR SCREWS IN THE JOINTS OR ANYWHERE ELSE IN THE DUCT AS THESE WILL ENCOURAGE LINT COLLECTION.

DRYER BOX RECEPTACLE SHALL BE METAL AND BE INSTALLED AS LOW AS POSSIBLE AS TO PERMIT THE PROPER AND SAFE COLLECTION OF THE DRYER TRANSITION HOSE. DRYER BOX SHOULD BE RESTING ON THE BOTTOM PLATE AND BE LOCATED AT OR NEAR THE CENTERLINE OFT HE PROPOSED DYER APPLIANCE. RIGID DUCT SHOULD PENETRATE DYER BOX PORT 2 INCHES TO PROVIDE FOR FUTURE CONNECTION AND STORAGE OF TRANSITION HOSE. BASEBOARD SHALL BE "SUTTED" UP TO THE FIXED EXTENSION RIM AND SLIGHTLY BACK-CUT. DRYER BOX SHOULD BE CAULKED AND THEN PAINTED WITH THE TRIM PAINT. FOR USAGE IN A ONE-HOUR WALL ASSEMBLY, UL REQUIRES THAT BATT INSULATION BE STUFFED AROUND THE DRYER BOX AND IN THE ENTIRE WALL CAVITY CELL.

EACH VERTICAL RISER SHALL BE PROVIDED WITH A MEANS FOR CLEANOUT.

LENGTH OF CONCEALED RIGID METAL DUCTING SHALL NOT EXCEED 25 FEET. DEDUCT 5 FEET FROM THE ALLOWABLE LENGTH FOR EVERY 3.5" RADIUS 90 DEGREE ELBOW AND TWO AND A HALF FEET FOR EVERY 45 DEGREE FITTING. DRYER VENTING SHALL BE INDEPENDENT OF ANY OTHER SYSTEMS (CHIMNEYS OR EXHAUST VENTS). TERMINATION OF DRYER VENTING MUST BE TO THE EXTERIOR WITH A PROPER HOOD OR ROOF JACK EQUIPPED WITH A BACK-DRAFT DAMPER. SMALL ORIFICE METAL SCREENING SHOULD NOT BE PART OF THE HOOD OR ROOF JACK AS THIS WILL ACCELERATE LINT ACCUMULATION AND BLOCKAGE. THE CLEARANCE BETWEEN THE BOTTOM OF THE HOOD AND THE GROUND OR OTHER OBSTRUCTION. VERIFY MANUFACTURER'S RECOMMENDATIONS FOR ANY OTHER FACTORS.

RESIDENTIAL DRYER NOTE:

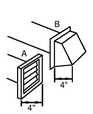
RESIDENTIAL ELECTRIC CLOTHES DRYERS SHALL BE RATED BY THE MANUFACTURER TO OPERATE WITH EXTENDED VENT LENGTHS IN EXCESS OF 25 FEET AND SHALL BE EQUAL TO ONE OF THE FOLLOWING:

GENERAL ELECTRIC: MODEL #GTD210ED/GD

7 TYPICAL DRYER VENT BOX DETAIL

NO SCALE

HOOD STYLES: A & B ARE RECOMMENDED



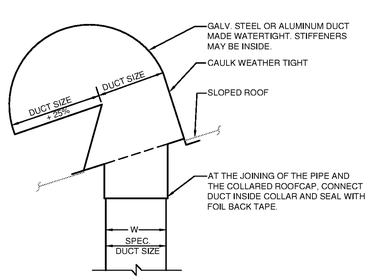
A. LOUVERED HOOD
B. BOX HOOD

NOTE: SIDE AND BOTTOM EXHAUST INSTALLATIONS HAVE A 90° TURN INSIDE THE DRYER. TO DETERMIN MAXIMUM EXHAUST LENGTH, ADD ONE 90° TURN TO THE CHART.

VENT SYSTEM CHART		
NUMBER OF 90° ELBOWS	TYPE OF VENT	BOX/LOUVERED HOODS
0	RIGID METAL	56 FT.
1	RIGID METAL	48 FT.
2	RIGID METAL	40 FT.
3	RIGID METAL	32 FT.

8 TYPICAL DRYER AND EXHAUST WALL CAP

NO SCALE



NOTES:

1. PRIME COAT AND PAINT TO MATCH ROOF COLOR.
2. PROVIDE FLASHING AND COUNTER FLASHING.
3. PROVIDE BIRD SCREEN AND OMIT BACKDRAFT DAMPER FOR BATH EXHAUST USE.

9 TYPICAL EXHAUST ROOF CAP DETAIL

NO SCALE

PHILLIPS

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CONSULTANT

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NORTH TERRACES
400 PERIMETER CENTER TERRACE
SUITE 650
ATLANTA, GA 30346

SEAL

ISSUE & REVISION RECORD

#	DATE	DESCRIPTION
	07/07/14	BID SET

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PROJECT

SPRINGS AT FREMAUX TOWN CENTER
SLIDELL, LA

CLIENT

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ISSUE DATE 07/07/14

DRAWN BY/CHECKED BY PEM

DRAWING TITLE MECHANICAL DETAILS - UNITS

SHEET NUMBER

M6.02

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