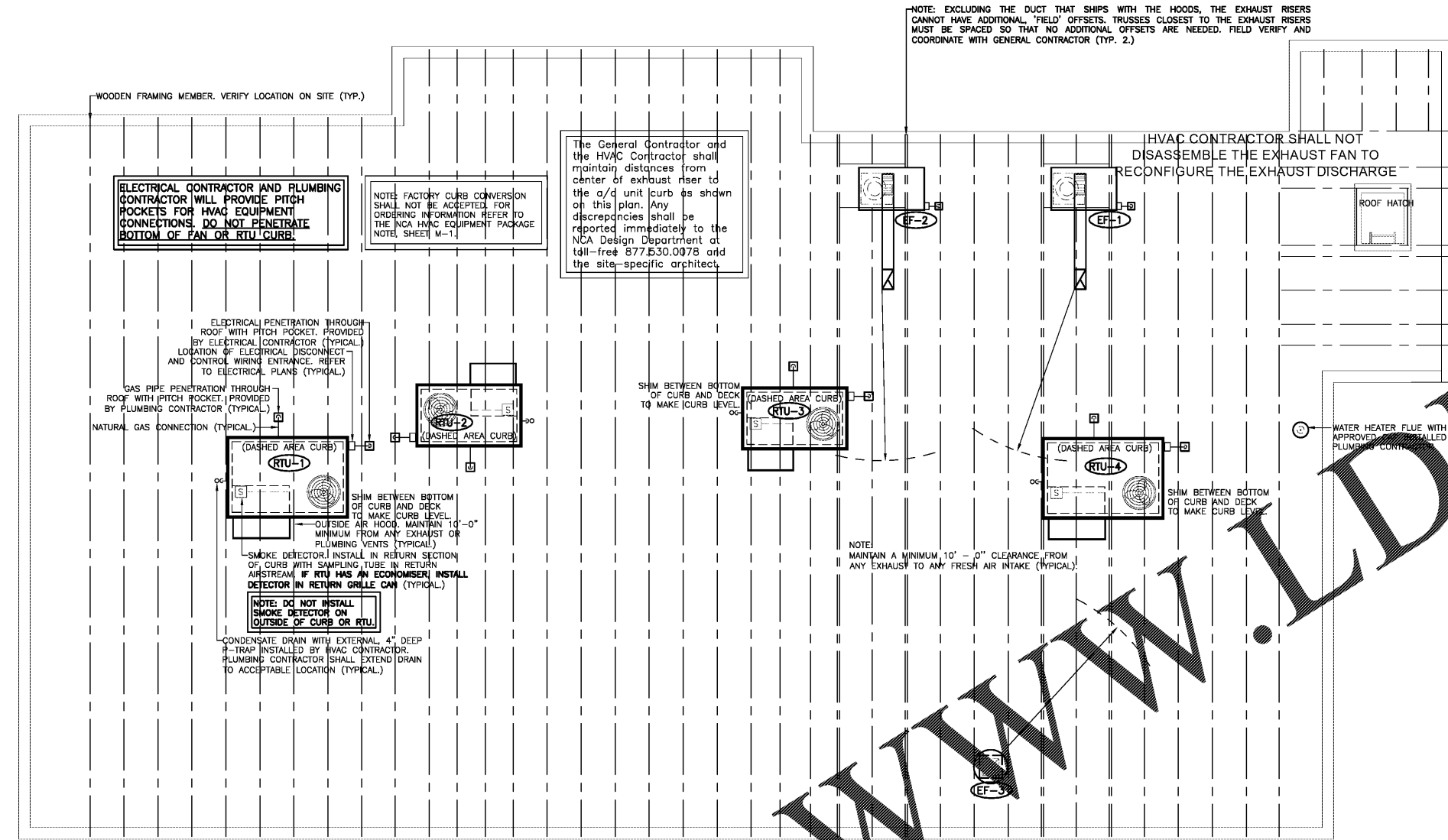


DRAWING INFORMATION		
DATE	DESCRIPTION	BY
01-07-18	FOR CONSTRUCTION	KM

N - C - A
CONSULTANTS / GROUP

4585 140TH AVE. NORTH, SUITE #1001
CLEARWATER, FLORIDA
PHONE: (877) 530-0078
CALL NCA MARKETING FOR PRICING
NCA JOB# 19-107



NOTE: EXCLUDING THE DUCT THAT SHIPS WITH THE HOODS, THE EXHAUST RISERS CANNOT HAVE ADDITIONAL 'FIELD' OFFSETS. TRUSSES CLOSEST TO THE EXHAUST RISERS MUST BE SPACED SO THAT NO ADDITIONAL OFFSETS ARE NEEDED. FIELD VERIFY AND COORDINATE WITH GENERAL CONTRACTOR (TYP. 2.)

ELECTRICAL CONTRACTOR AND PLUMBING CONTRACTOR WILL PROVIDE PITCH POCKETS FOR HVAC EQUIPMENT CONNECTIONS. DO NOT PENETRATE BOTTOM OF FAN OR RTU CURB.

NOTE: FACTORY CURB CONVERSION SHALL NOT BE ACCEPTED FOR ORDERING INFORMATION REFER TO THE NCA HVAC EQUIPMENT PACKAGE NOTE, SHEET M-1.

The General Contractor and the HVAC Contractor shall maintain distances from center of exhaust riser to the a/c unit curb as shown on this plan. Any discrepancies shall be reported immediately to the NCA Design Department at toll-free 877.530.0078 and the site-specific architect.

HVAC CONTRACTOR SHALL NOT DISASSEMBLE THE EXHAUST FAN TO RECONFIGURE THE EXHAUST DISCHARGE

ELECTRICAL PENETRATION THROUGH ROOF WITH PITCH POCKET. PROVIDED BY ELECTRICAL CONTRACTOR (TYPICAL). LOCATION OF ELECTRICAL DISCONNECT AND CONTROL WIRING ENTRANCE. REFER TO ELECTRICAL PLANS (TYPICAL).

GAS PIPE PENETRATION THROUGH ROOF WITH PITCH POCKET. PROVIDED BY PLUMBING CONTRACTOR (TYPICAL). NATURAL GAS CONNECTION (TYPICAL).

SHIM BETWEEN BOTTOM OF CURB AND DECK TO MAKE CURB LEVEL TO MAKE CURB LEVEL. OUTSIDE AIR HOOD, MAINTAIN 10'-0" MINIMUM FROM ANY EXHAUST OR PLUMBING VENTS (TYPICAL).

SMOKE DETECTOR. INSTALL IN RETURN SECTION OF CURB WITH SAMPLING TUBE IN RETURN AIRSTREAM. IF RTU HAS AN ECONOMISER INSTALL DETECTOR IN RETURN GRILLE CAN (TYPICAL).

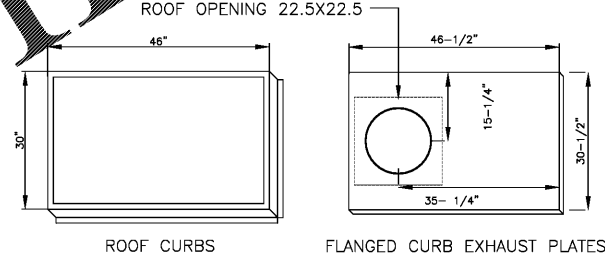
NOTE: DO NOT INSTALL SMOKE DETECTOR ON OUTSIDE OF CURB OR RTU

CONDENSATE DRAIN WITH EXTERNAL 4" DEEP P-TRAP INSTALLED BY HVAC CONTRACTOR. PLUMBING CONTRACTOR SHALL EXTEND DRAIN TO ACCEPTABLE LOCATION (TYPICAL).

SHIM BETWEEN BOTTOM OF CURB AND DECK TO MAKE CURB LEVEL.

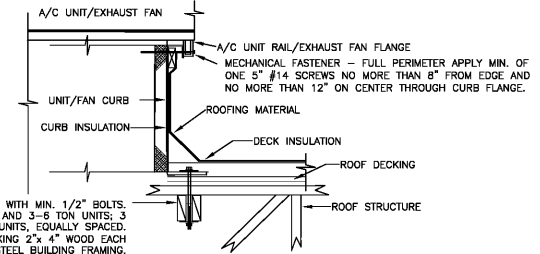
NOTE: MAINTAIN A MINIMUM 10'-0" CLEARANCE FROM ANY EXHAUST TO ANY FRESH AIR INTAKE (TYPICAL).

WATER HEATER FLUE WITH APPROVED PLUMBING CONTRACTOR



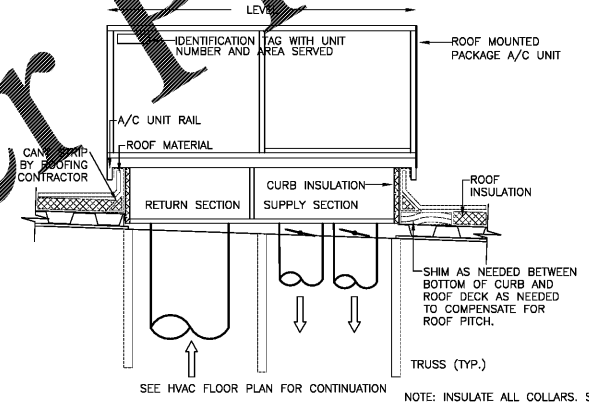
EXHAUST FAN CURB/CURB PLATE
NOT TO SCALE

ROOF PLAN - HVAC
SCALE 1/4" = 1'-0" WHEN PLOTTED 36" X 24"

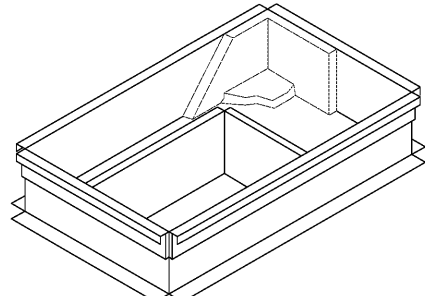


SECURE A/C CURB TO STRUT WITH MIN. 1/2" BOLTS. USE 2 PER SIDE FOR FANS AND 3-5 TON UNITS; 3 PER SIDE FOR 7.5-10 TON UNITS, EQUALLY SPACED. THE G.C. WILL PROVIDE BLOCKING 2" X 4" WOOD EACH SIDE OR WELDED ANGLE FOR STEEL BUILDING FRAMING. NOTE: DO NOT DRILL THROUGH ROOF FRAMING MEMBER.

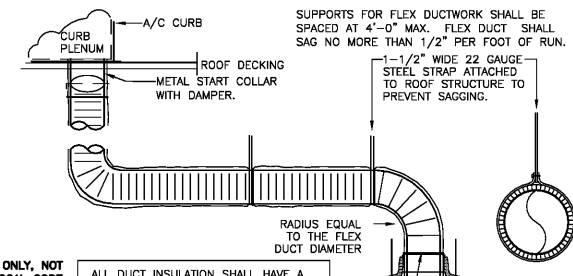
ACCEPTABLE FOR 140 MPH ZONE
ROOF EQUIP. CURB MOUNTING DETAIL
NOT TO SCALE



DUCT RISER/LEVELING DETAIL
NOT TO SCALE



FACTORY CURB CONVERSION SHALL NOT BE ACCEPTED.
NCA PLENUMIZED AC CURB DETAIL
NOT TO SCALE



NOTE: USE "FLEXIBLE DUCT" ONLY, NOT "FLEXIBLE CONNECTOR." IF LOCAL CODE LIMITS LENGTH OF FLEXIBLE DUCT, USE EXTERNALLY INSULATED SNAPLOCK PIPE TO FLEXIBLE DUCT, TO GRILLE/DIFFUSER

ALL DUCT INSULATION SHALL HAVE A MINIMUM INSULATING VALUE OF R-6.

U.L. NON-ASBESTOS INSULATING BLANKET BAND CLAMP AND TAPE

ALUMINUM DIFFUSER OR GRILLE AS SPEC.

DUCT SCHEDULE	
SIZE	GAUGE
6" - 8"	28
10" - 12"	26
14" - 16"	24
18" - 20"	22

FLEXDUCT CONNECTION/INSTALL DETAIL
NOT TO SCALE

Order Plans @

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HVAC ROOF PLANS AND HVAC DETAILS

M-2