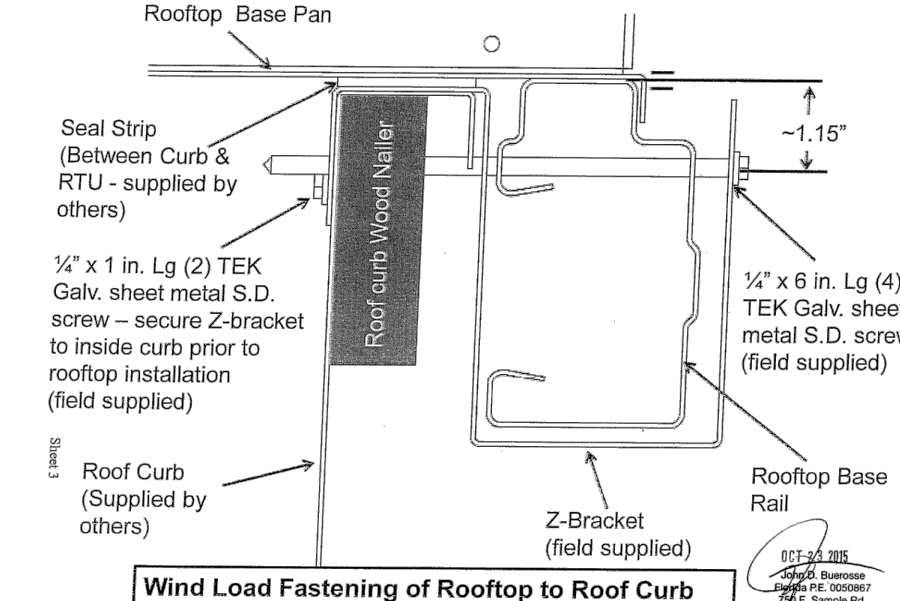
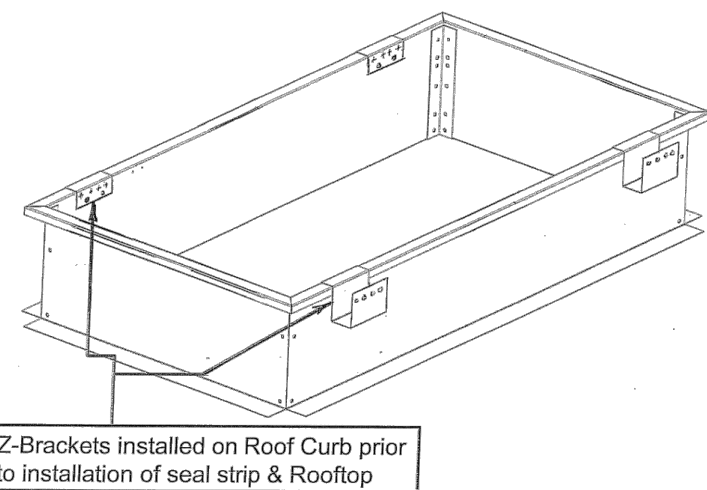
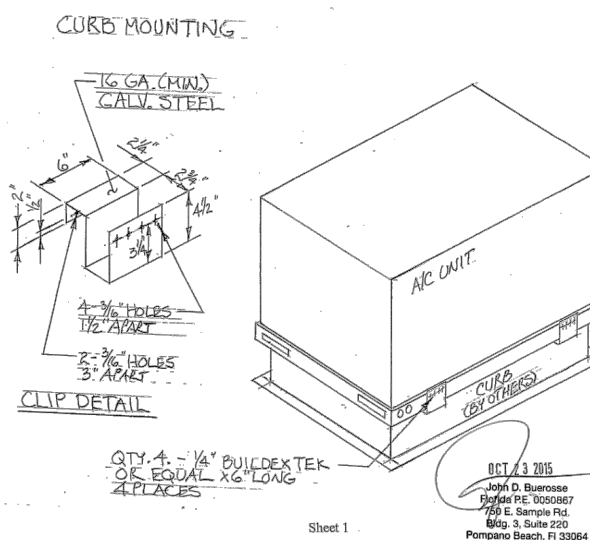


CARRIER: Chassis #1 and #2
48/50TC and 50TCQ size 04 (min) through 07 (max)
48/50CC, 50RQ, 48/50BC, 50RQ, and 48/50CC size 04 (min) through 06 (max)
Each package air conditioning unit listed above conforms to the Florida Building Code 5th Edition (2014) requirements for installation including High Velocity Hurricane Zone (HVHZ) Risk Category IIHV Building (V = through), exposure category "C", and insulation height up to and including 65 feet above grade. Wind case is as follows (Chassis 2) 74.3/37 x 44.6/37 x 41.0/37 ft.

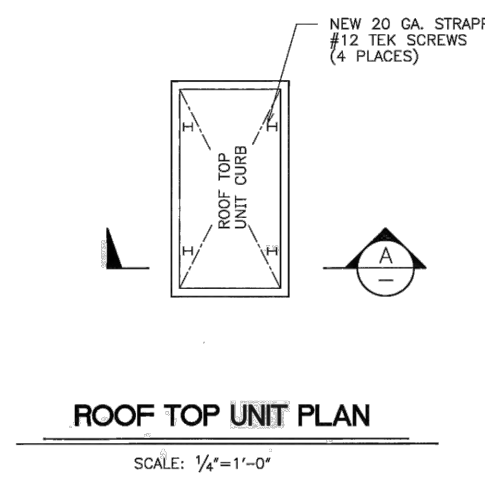
ALLOWABLE DESIGN PRESSURES FOR THE UNIT ITSELF:
Design Lateral Pressure = 197.18 lbf/ft²
Design Uplift Pressure = 95.44 lbf/ft²

Chassis # 1 & 2 UTC Corporate Rooftops to Roof Curb

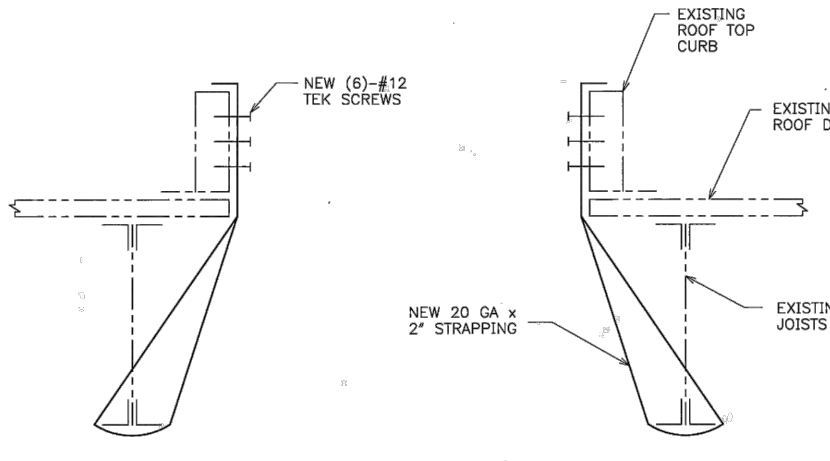


ROOF TOP UNIT ANCHOR DETAIL W/ CURB ATTACHED TO STEEL BELOW

NO SCALE



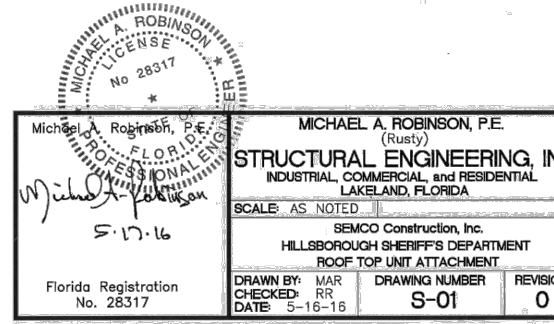
SCALE: 1/4"=1'-0"



SECTION

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

NOTES:
1. DESIGN CONFORMS WITH 2014 FBC, 5TH EDITION CRITERIA FOR 150 MPH WIND FORCES PER ASCE 7-10 MINIMUM DESIGN LOADS FOR BUILDINGS & OTHER STRUCTURES.
2. WIND EXPOSURE FACTOR 'K' COEFFICIENT = 0.18
3. INTERNAL PRESSURE COEFFICIENT = ±0.18
4. COMMENTS/LOADING 2.35 TYP.
5. RISK CATEGORY II.



ALTERNATE ROOF TOP UNIT ANCHOR DETAIL

NO SCALE

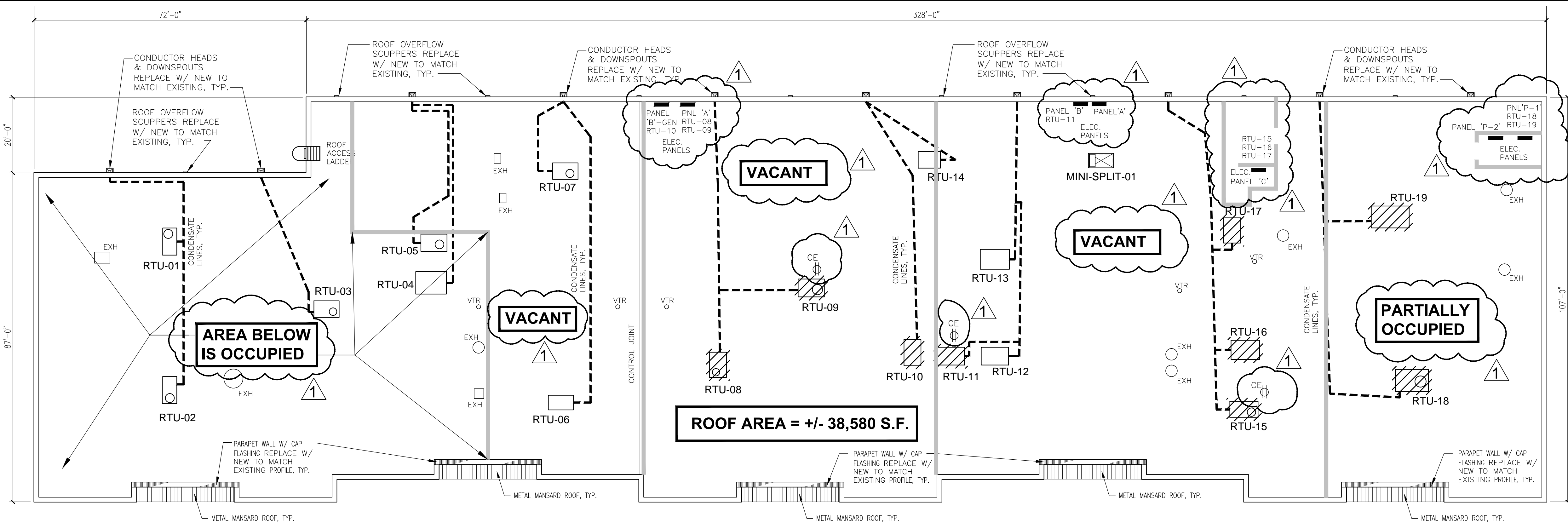
NOTE:

ROOF TOP UNIT REPLACEMENT IS FOR RTUs 08, 09, 10, 11, 15, 16, 17, 18 & 19 ONLY.
UNITS IN SHADED AREAS SHALL NOT BE REPLACED AT THIS TIME.

PINEBROOKE BLDG – 4 PACKAGED ROOFTOP UNIT SCHEDULE

MARK	UNITS	RTU-01	RTU-02	RTU-03	RTU-04	RTU-05	RTU-06	RTU-07	RTU-08	RTU-09	RTU-10
NOMINAL TONS	TONS	10 TON	10 TON	6 TON	6 TON	3 TON	6 TON	6 TON	5 TON	5 TON	5 TON
TOTAL SUPPLY AIR	CFM										
STATIC PRESSURE (EXT / TOTAL)	IN. H O										
OUTSIDE AIR QUANTITY	CFM										
OUTSIDE AIR TEMPERATURE DBWB	"F / "F										
ENTERING TEMPERATURE DBWB	"F / "F										
COOLING COIL TOTAL CAPACITY (NET)	MBH										
COOLING COIL SENSIBLE CAPACITY (NET)	MBH										
LEAVING TEMPERATURE COOLING DBWB	"F / "F										
FILTERS	TYPE / EFF.										
ELECTRIC HEAT (MINIMUM)	KW	13.5 KW	13.5 KW	6.5 KW	6.5 KW	5.0 KW	4.0 KW	4.0 KW	12.1 KW	12.1 KW	12.1 KW
ELECTRIC HEAT (MINIMUM)	STEPS										
FAN MOTOR	BHP/HP										
ELECTRICAL CHARACTERISTICS	VI @ / HZ										
FAN ARRANGEMENT / TYPE	—										
MANUFACTURER	—	TRANE	TRANE	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER
MODEL	—	TSC120F30A	TSC120F3	50TC-A07	50TC-A07	50TC-A04	50TC-A07	50TC-A07	50TJ-006	50TJ-006	50TJ-006
SERIAL NUMBER	—	163411470L	16341146L	4915C86636	4915C86635	1613C63276	2313C75442	0812C65098	1200G21018	1200G21020	3100G21327
START AMPS	AMPS	60 AMPS	60 AMPS	40 AMPS	40 AMPS	35 AMPS	40 AMPS	40 AMPS	40 AMPS	35 AMPS	50 AMPS
CIRCUIT BREAKER AMPS	AMPS								60 AMPS	60 AMPS	50 AMPS
BREAKER WIRE SIZE	GA								#6	#6	#8
NOTES		1 YEAR OLD	1 YEAR OLD	2 YEARS OLD	2 YEARS OLD	3 YEARS OLD	3 YEARS OLD	5 YEARS OLD	17 YEARS OLD	17 YEARS OLD	17 YEARS OLD

MARK	UNITS	RTU-11	RTU-12	RTU-13	RTU-14	RTU-15	RTU-16	RTU-17	RTU-18	RTU-19	RTU-20
NOMINAL TONS	TONS	6 TON	6 TON	6 TON	5 TON	5 TON	3 TON	3 TON	12 1/2 TON	12 1/2 TON	RTU-20
TOTAL SUPPLY AIR	CFM										
STATIC PRESSURE (EXT / TOTAL)	IN. H O										
OUTSIDE AIR QUANTITY	CFM										
OUTSIDE AIR TEMPERATURE DBWB	"F / "F										
ENTERING TEMPERATURE DBWB	"F / "F										
COOLING COIL TOTAL CAPACITY (NET)	MBH										
COOLING COIL SENSIBLE CAPACITY (NET)	MBH										
LEAVING TEMPERATURE COOLING DBWB	"F / "F										
FILTERS	TYPE / EFF.										
ELECTRIC HEAT (MINIMUM)	KW	12.1 KW	10.6 KW	10.6 KW	5.0 KW	6.5 KW	6.5 KW	6.5 KW	27.0 KW	27.0 KW	
ELECTRIC HEAT (MINIMUM)	STEPS										
FAN MOTOR	BHP/HP										
ELECTRICAL CHARACTERISTICS	VI @ / HZ										
FAN ARRANGEMENT / TYPE	—										
MANUFACTURER	—	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	TRANE	TRANE	
MODEL	—	50TJ-006	RAS072H	RA072HOA	50TC-H06	50TH006	50TFF-004	50TFF-004	TCD150C300BB	TCD150C300BB	
SERIAL NUMBER	—	120G20968	C142782038	C132877290	1214C83032	2901G21692	2901G25737	2901G23059	P25104668D	7401012960	
START AMPS	AMPS	50 AMPS	50 AMPS	50 AMPS	50 AMPS	60 AMPS	60 AMPS	60 AMPS	110 AMPS	110 AMPS	
CIRCUIT BREAKER AMPS	AMPS	40 AMPS				40 AMPS	30 AMPS	30 AMPS	125 AMPS	125 AMPS	
BREAKER WIRE SIZE	GA	#8				#8	#8	#8	#1 COPPER	#1 COPPER	
NOTES		17 YEARS OLD	3 YEARS OLD	3 YEARS OLD	3 YEARS OLD	16 YEARS OLD	16 YEARS OLD	16 YEARS OLD	17 YEARS OLD	17 YEARS OLD	



EXISTING HVAC / ROOF PLAN - BLDG. 4

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

GENERAL WORK SCOPE

REMOVE AND DISCARD EXISTING ROOF TOP UNITS (RTU) PER SCHEDULE ABOVE AND PROVIDE REPLACEMENT RTU'S OF SAME TONNAGE AND CAPACITY AS WELL AS OTHER ELEMENTS LISTED IN TABLE ABOVE. REFER TO COMPLETE REQUEST FOR PROPOSAL (RFP) FOR OTHER REQUIREMENTS LISTED THEREIN.

GENERAL NOTES

- ALL DAMAGE TO EXISTING ROOF SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR AND TO THE COMPLETE SATISFACTION OF PROJECT MANAGER.
- ALL DAMAGE TO ANY EXISTING EQUIPMENT AND/OR MATERIALS TO REMAIN SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR AND TO THE COMPLETE SATISFACTION OF PROJECT MANAGER.
- A ROOF TOP UNITS SCHEDULED FOR REMOVAL SHALL DISCARDED AND HAULED AWAY, TYP.
- REFER TO UNIT/CURB DETAILS FOR ANCHORING DETAIL AS REQUIRED BY EXISTING CONDITION, TYP.

SYMBOL LEGEND

- EXISTING ROOF TOP UNITS TO REMAIN
- EXISTING ROOF TOP UNITS TO BE REMOVED AND DISPOSED. REPLACE WITH NEW LIKE UNIT PER SCHEDULE ABOVE
- EXISTING MECH. EXHAUST TO REMAIN, TYP.
- EXISTING PLUMBING VENT TO REMAIN, TYP.
- NEW CONVENIENCE ELECTRICAL OUTLET, TYP.
- EXISTING PVC CONDENSATE LINES TO BE REUSED AND RECONNECTED OR RECONFIGURED BASED ON UNIT DISCHARGE LOCATION, TYP.
- EXISTING SUITE SEPARATION WALL BELOW, TYP.



HILLSBOROUGH COUNTY
SHERIFF'S OFFICE

DAVID GEE, SHERIFF

2214 N. FALKENBURG RD.
TAMPA, FLORIDA 33619

WWW.HCSO.TAMPA.FL.US

PROJECT:
RENOVATION TO:
**PINEBROOKE
BUSINESS
PARK
BUILDING NO. 4**
1238 N. TECH BOULEVARD

PROJECT PHASE:
**CONSTRUCTION
DOCUMENTS**

PREPARED BY:
HILLSBOROUGH COUNTY SHERIFF'S OFFICE
**FACILITIES
MAINTENANCE
SECTION**

DRAWN BY:
a.cordova
ISSUE DATE:
08-18-2017
REVISIONS:

09-27-2017

SHEET NAME:
EXISTING
HVAC / ROOF PLAN
BLDG. 4
SHEET NUMBER:

A-1.0