

PROCUREMENT DIVISION

PUBLIC SERVICES BUILDING 2051 Kaen Road | Oregon City, OR 97045

INVITATION TO BID #2019-09 ROOF TOP UNIT RENOVATION PROJECT RESPONSE TO CLARIFYING QUESTIONS#1 March 28, 2019

Note that these are questions submitted by interested firms to the above referenced solicitation. The below answers are for clarification purposes only and in no way alter or amend the BID as published.

1. What is the age of the building and is there known asbestos?

<u>Answer:</u> The building was built in 1985 according to the County's plans and there is no known asbestos that the County is aware of.

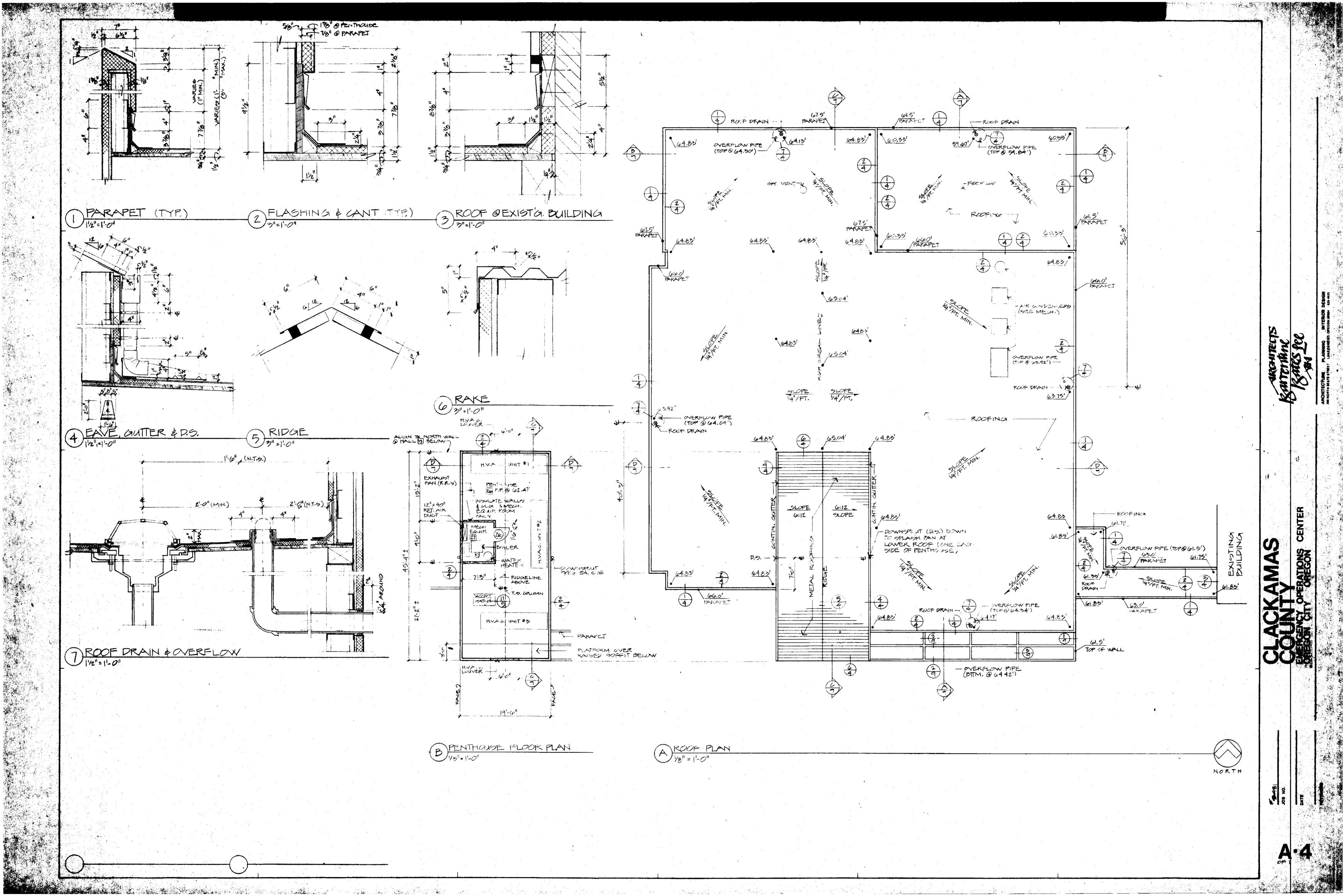
2. Who will be responsible for wrapping the curbs on the roof?

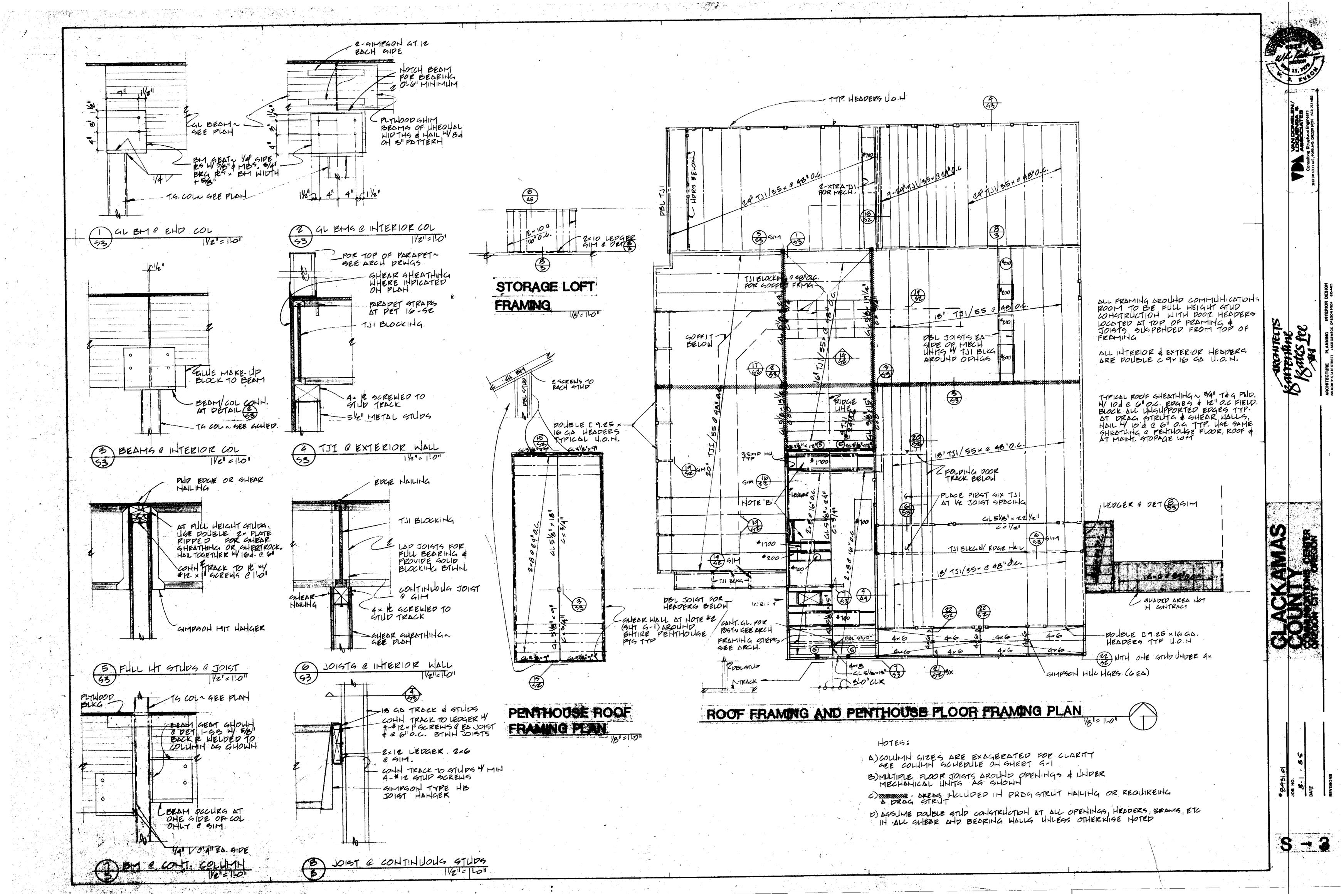
<u>Answer:</u> Since the roof curbs for the new units will be built by the Facilities construction crew, the County, will have a roofing contractor come in to wrap the curbs.

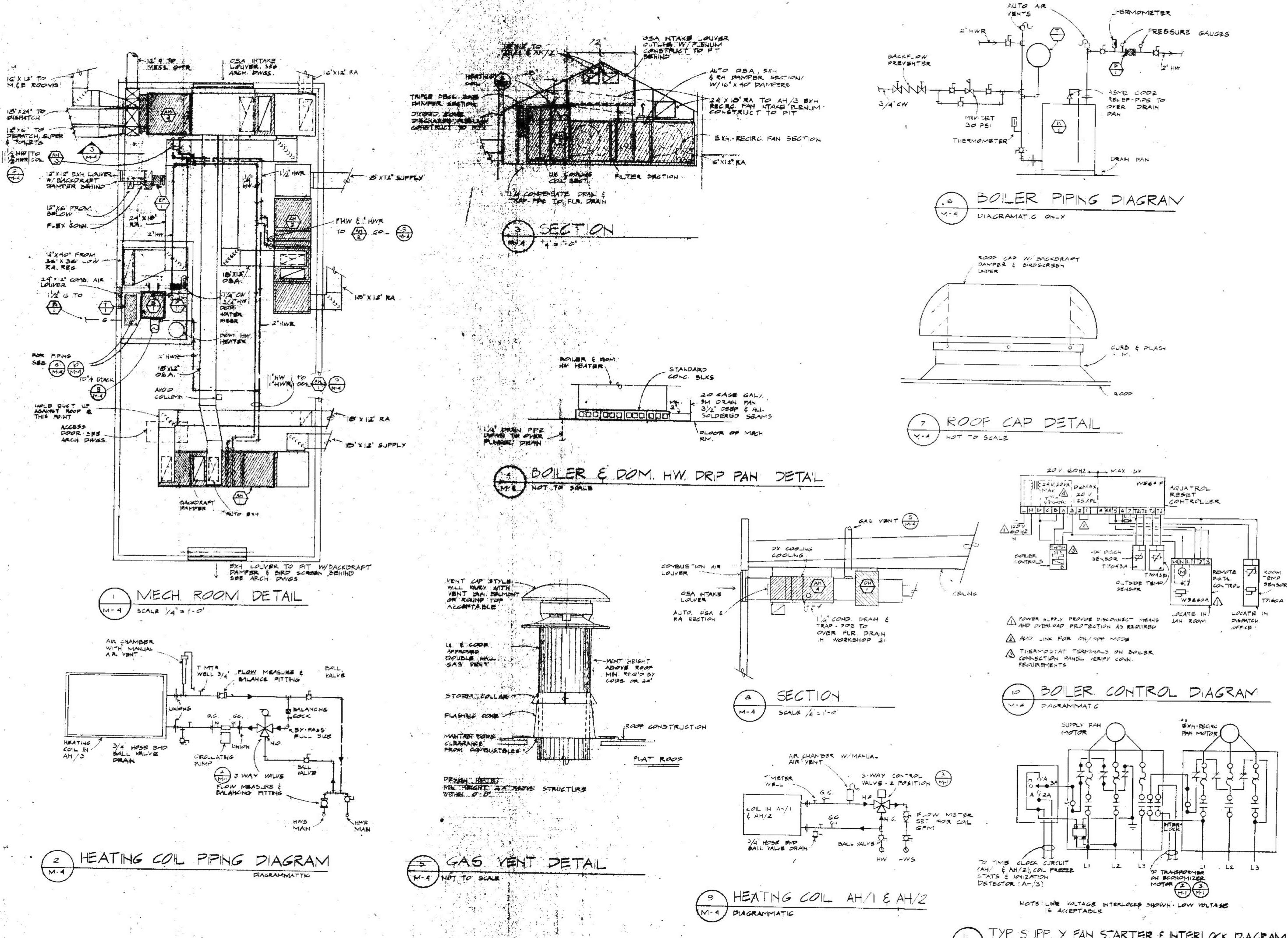
3. Can you please provide as-built, mechanical drawings and floor plans?

Answer: Yes, the as-built, mechanical drawings and floor plans are attached below.

End of Clarifying Questions#1







		(E)
MA	RK NUMBER	\oplus
FUE		HAT.
HON	1. BOILER HP.	9.7
GRC	SS OUTPUT (MEH)	323
TRI	M-HEATING WATER	30451
RK	TYPE	FORCED
PURNER	FIRING RATE (MPH)	399
3	FAN HE	1/6
OPE	RATING WEIGHT-LB	1700

AIR CONDENSER-COMPRESSOR

MARK NUMBER	(AC)		$\left< \frac{A^{c}}{3} \right>$
NOMINAL TONS	4	5	IQ
CAPACITY TO MATCH	AH/I	AH /2	AH/3
SUCTION TEMP ("F)	40"	40°	40.
COND. TEMP ("F)	95°	95'	95"
LOW AMBIENT CONTROL	NO	NO	YES

AIR.	HANDLING	
EQL	JIPMENT	

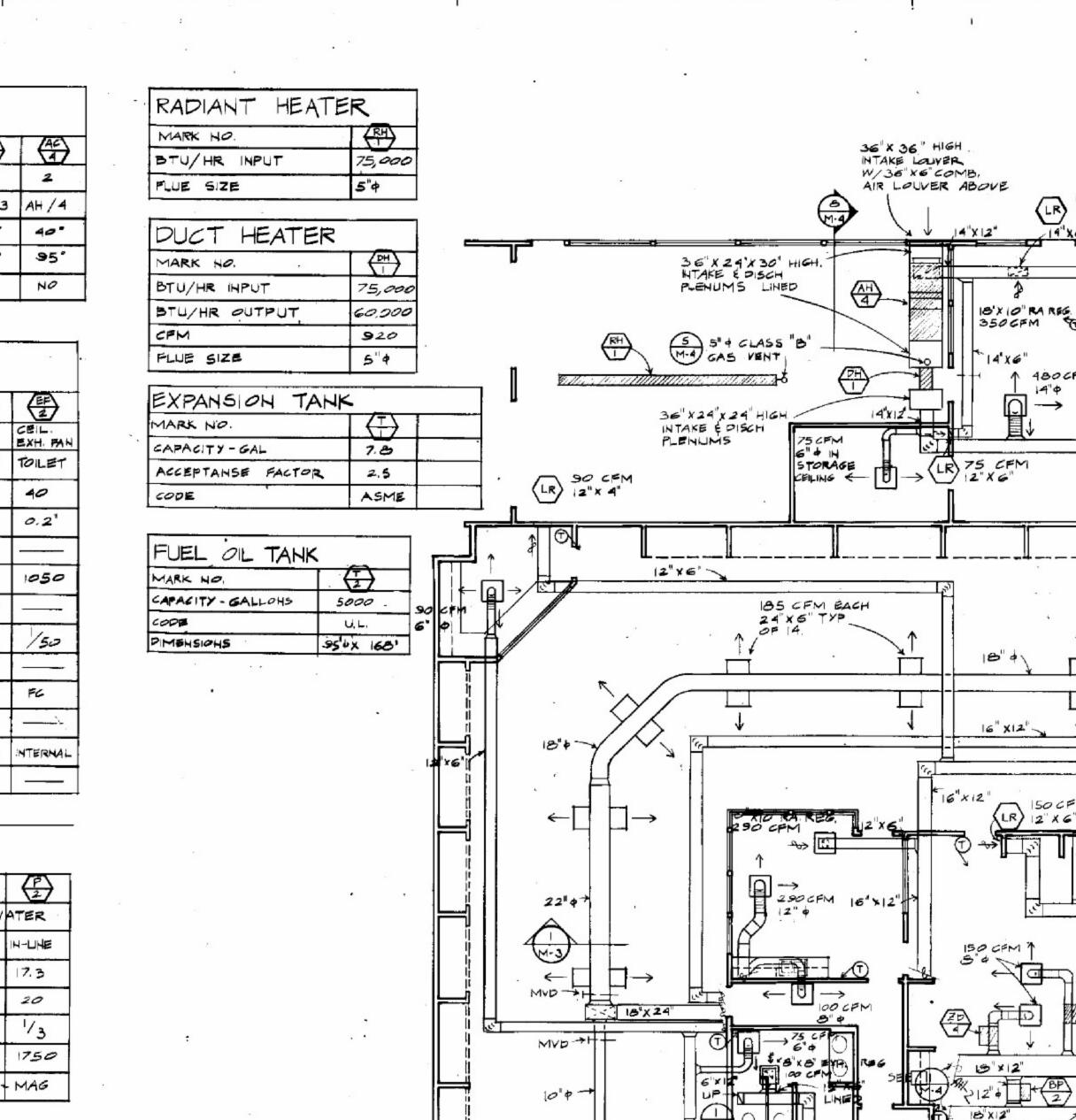
AIR HANDLING EQUIPMENT					
MARK NUMBER $\langle AH \\ I \rangle \langle AH \\ 2 \rangle \langle AH \\ 3 \rangle$				(AF)	
Т	YPE	SINGLE -	SINGLE-	MULT I-	SINGLE-
SYSTEM		OFFICE	EMERG	DISPATCH	MAINT.
	TOTAL CFM.	1320	0P.	4000	920
	MIN. 05A. %	10	10	10	10
	TSR (IN. H2O)	1.5	1.5	1.75	1.25
	OUTLET VEL. (fpm)	2315	2211	1717	2100
s		1777		894	
E	TTP SPEED (fpm)	1	1734.		1953
SECTI	Motor (HD	3785	3693		3730
		Mag		. 3	
FAN		MAG	MAG	MAG	MAG
	INTERNALLY & LATED	l	YES	YES	YES
	ARRANGEMENT	1	SINGLE	SINGLE	SINGLE
	WHEEL TYPE	FC	FC	FC	FL
j.	TOTAL OFM.	1320	1260	4000	$\downarrow - /$
Z	EXTERNAL 91, H20)		1/2'	1/2"	$\backslash/$
N-177-L	RPM.	871	853	561	-A
Ľ.	MOTOR HE	1/2	1/2'	1.5	$ / \rangle$
Ш.	WHEEL TYLE	FC	FC	FC	
ř	TYPE - DEFRA: ABLE	2	2	2	2"
ù,	MIN AREA - SQ.FT.	4 -	4	10	2
FILT					
	·				
	TO FIT UNIT			(AH 3	
1	MIN AREA (SQ.FT.)	2.63	2.63	5.01	$\setminus - 1$
	ENT. ANR (°F.)	60°	60	60	$\sqrt{7}$
	LVG. AIR (°E.)	1000	100	100	∇T
	TOTAL (MBH)	57	54	173	\square
	MIN. ROWS	2	2	2	V
5	MAX. FINS/INCH	8	8	8	Ť.
ŝ	MAX. FACE VELOCITY	500	480	720	
HEAT	AIR PRESS. LOSS (IN. H20)		0.14	0.3	-/-
ŧ	HW I'M	5.7	5.4	17.3	+
ł	HW ENI/LVG F	180	80	180	+
	HW AP FT	1.92	1.77	1.5	-+
ł	GAS HEAT	NO	NO	NO	(PH)
					VIZ.
	TO FIT UNIT			(AH) 3	
$\left \right $		2.63 80.965.1	2.63	7.7	1.35
		55%-+*	65.1	1651	IC CI
-	LVGAIR "FDB/"FWB			55 /54	55'/54
┦	TOTAL MBH		56.6	130.5	22.7
3	MIN, ROWS	4	4	4	4
	MAX. FINS/ INCH	0	8	8	ප
COLING	MAX. FACE VELOCITY (FPM)	500	480	519	371
3	MAX AIR PRESS LOSS (IN.Hat	0.68"	0.54"	0.6"	0.35"
-	Suction TEMP	40°.	40	40'	40'
	•				
ſ					

EXHAUST FANS	•
MARK HUMBER	(EP)
DESCRIPTION	UTIL. SET
SYSTEM	TOLET
CPM "	250
SP. (IN. H20)	3/8
OUTLET VELOCITY (FPM)	1040
RPM	1180
TIP SPEED (FPM)	2120
MOTOR (HP)	1/8
INTERLOCK WITH MARK	AH3
WHEEL TYPE	F6
DISCHARGE	VERT.
TYPE	SPIRING
DEFLECTION	1/2"

PUMPS		
MARK NUMBER	(P)	
SERVICE	HEAT'S W	
TYPE :	IN-LINE	
GPM .	28.4	
DISCHARGE HEAD (FT.)	35	
MOTOR (HP)	1/2	
RPM	1750	
STARTER	MAG	

.

VAV DAMPER AS	SEMB
MARK NUMBER	$\left< \frac{BP}{I} \right>$
TYPE	BY-PASS
CFM	1320
MAX. SYSTEM SP. "HZO	0.4"
SIZE	12'+
VELOCITY .	



 \bigcirc

BLY (BP) $\left< \frac{pp}{2} \right>$ (2P) BY-PASS ZONE ZONE ZONE ZONE ZOHE 1260 185 370 430 15: 930 0.4" -----12 0 0 0 84 4 " ک 6".1 12 4 835 830 _____ 1200 1370 1393

24"X6"HIGH Supply Outlet 122" & SA DUCT CEILING 24"X6" HIGH - SUPPLY OUTLET LOWER CEILING 4 LIGHT SOFFIT 5EE ARCH. DWG

SECTION SCALE 4 =1-0"

←

36"X 36" L.2" RA REG. SEE

5

PLAN HVAC

Ê

18"X12" SEE

50 CFM

185 CFM 6" 4 1

← 🔄

(LR) 150 CF

13X12"

CFM

280 CFM

SLALE 1/5"=1-0"

