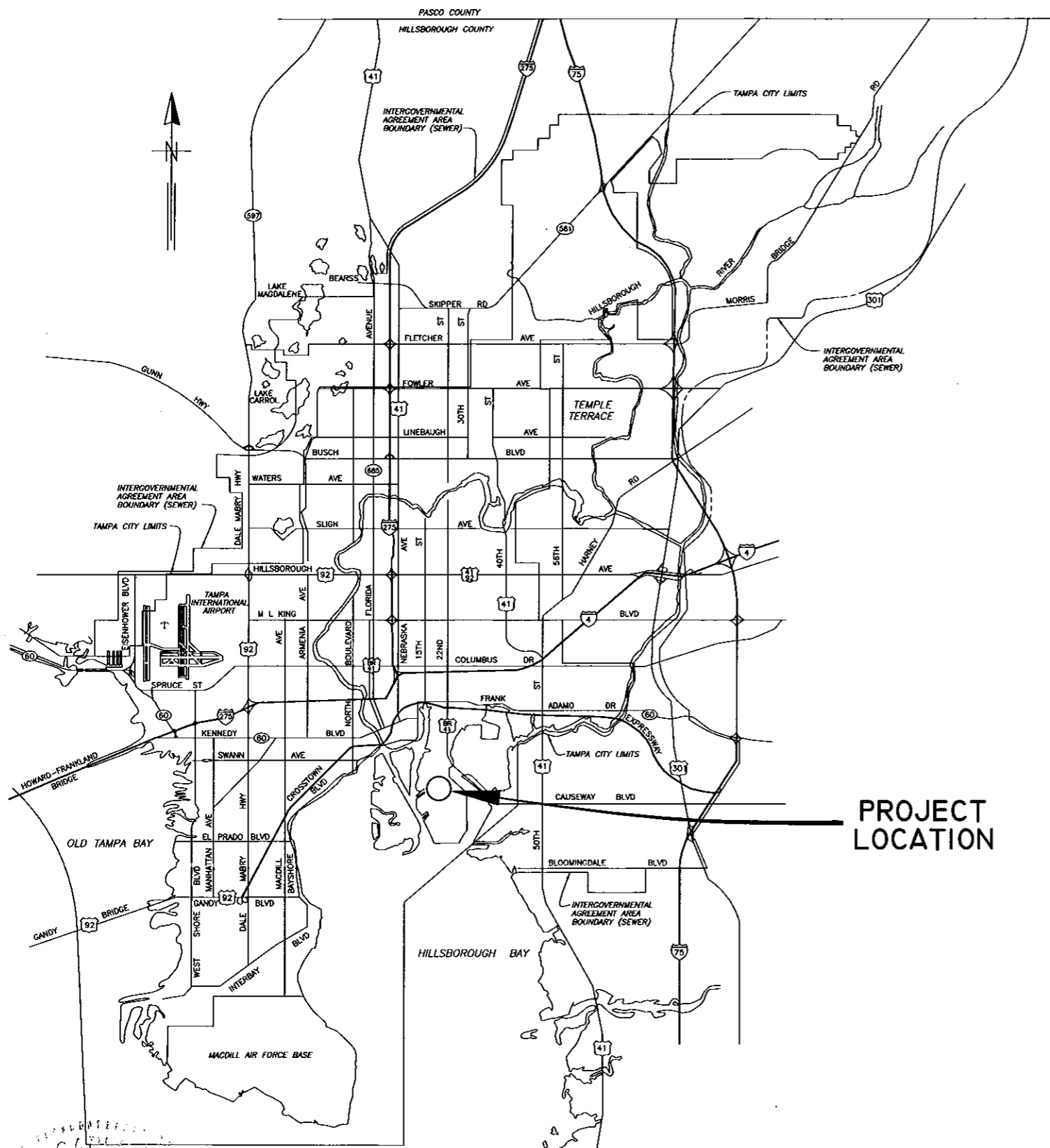


TPB8-026

LOCATION MAP



CITY of TAMPA



WASTEWATER DEPARTMENT

PLANS FOR

H.F.C. A.W.T.P.
ROOFING CONTRACT - F.Y. '08

CONTRACT No.8-C-00055

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Jacinto Carlos Ferras 8/20/08
JACINTO CARLOS FERRAS, P.E. #49454
DESIGN DIVISION HEAD
WASTEWATER DEPARTMENT

No.	DATE	REVISIONS
3		
2		
1		

DES: S.K.
DRN: BB
CKD: JF
DATE: 8/20/08

CITY of TAMPA
WASTEWATER DEPARTMENT

COVER SHEET

W.O. 8113
SHEET
1
OF 12

DEMOLITION NOTES:

1. REMOVE EXISTING ROOFING, INCLUDING BUT NOT LIMITED TO GRAVEL, BLOCKING, FLASHING, CANT STRIPS, METAL, WALKTREADS ETC.
2. REMOVE AND REPLACE ALL EXISTING ROOF VENTS AT EXISTING LOCATIONS. ROOF VENTS SHOULD BE PLACED AT HIGH POINTS OF SLOPED INSULATED CONCRETE.
3. PROVIDE PERIMETER PROTECTION AS REQUIRED FOR CONDITIONS AND IN COMPLIANCE WITH CODES, STANDARDS, ETC.
4. CONTRACTOR TO REMOVE ALL DEBRIS FROM THE PROJECT SITE AS REQUIRED TO MAINTAIN A SAFE AND ORDERLY WORKING ENVIRONMENT.
5. ASBESTOS - THE ROOF SYSTEMS CONTAIN NON-FRIABLE ASBESTOS-CONTAINING MATERIAL (ACM). SEE INCLUDED NESHAP SURVEY DATED AUGUST 4, 2008. THE PRESENCE OF ACM DOES NOT NECESSARILY MEAN THAT A HAZARD EXISTS; HOWEVER, A HAZARD MAY BE CREATED WHEN ACM IS DISTURBED AND ASBESTOS FIBERS BECOME AIRBORNE. THEREFORE, WORKERS MUST EXERCISE CAUTION AND BE WATCHFUL FOR MATERIALS THAT MIGHT CONTAIN ASBESTOS. AVOID DISTURBING ACM OR SUSPECTED ACM AS YOU CARRY OUT YOUR WORK.
6. ASBESTOS REMOVAL - THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER REMOVAL, HANDLING, AND DISPOSAL OF THE ASBESTOS CONTAINING ROOF MATERIALS AS SPECIFIED UNDER F.S. CHAPTER 469.002. SUPERVISORS AND/OR WORKERS MUST BE TRAINED IN ACCORDANCE WITH FLORIDA DEPARTMENT OF BUSINESS AND PROFESSIONAL REQUIREMENTS. ALL EMPLOYERS OF WORKERS WHO REQUIRE EMPLOYEES TO HANDLE ASBESTOS MUST COMPLY WITH OSHA ASBESTOS REGULATIONS (29 CFR PART 1910.1001 AND 1926.1101).
7. ASBESTOS REMOVAL NOTIFICATION - THE CONTRACTOR IS TO NOTIFY THE HILLSBOROUGH COUNTY ENVIRONMENTAL PROTECTION COMMISSION 10 DAYS PRIOR TO REMOVAL OF ANY ROOFING MATERIALS ON FDEP FORM 62-257.900(1), F.A.C.

INSTALLATION NOTES:

1. ENSURE THAT ALL SURFACES TO RECEIVE LIGHTWEIGHT INSULATING CONCRETE ARE FREE OF OIL, GREASE, PAINTS/PRIMERS, LOOSE MILL SCALE, DIRT, OR OTHER FOREIGN SUBSTANCES.
2. WITH THE ENGINEER PRESENT, EXAMINE SURFACES TO RECEIVE THE ROOF INSULATION SYSTEM AND DETERMINE THAT THE SURFACES ARE ACCEPTABLE PRIOR TO PLACEMENT OF THE LIGHTWEIGHT INSULATING CONCRETE SYSTEM.
3. FASTENERS FOR SHEET METAL INTO CONCRETE SUBSTRATE SHALL BE TAP-CON® TYPE, OR APPROVED EQUAL. NO EXPANSION OR EXPLOSIVE FASTENING SYSTEMS WILL BE ALLOWED.
4. ALL PROPOSED ROOFING SHALL CONFORM TO THE CURRENT FLORIDA BUILDING CODE REQUIREMENTS.

NOTE:

1. PHOTOS OF EXISTING ROOF CONDITIONS CAN BE VIEWED AT:
http://www.tampagov.net/dept_contract_administration/programs_and_srevicees/construction_project_bidding/index.asp

GENERAL NOTES -SCREEN & GRIT BUILDING AND METER VAULT No. 2:

1. REMOVE EXISTING BUILT UP ROOFING DOWN TO LIGHT WEIGHT INSULATING CONCRETE (LWIC) ROOF DECK.
2. INSPECT EXISTING LWIC ROOF DECK AND REPAIR AS REQUIRED PRIOR TO APPLICATION OF NEW ROOF SYSTEM.
3. INSTALL NEW SIPLAST ROOF SYSTEM PER SPECIFICATION.
4. INSTALL NEW 22 GAUGE STAINLESS STEEL FLASHINGS TO REPLACE EXISTING FLASHINGS.
5. INSTALL NEW 22 GAUGE STAINLESS STEEL COUNTER-FLASHING AT SKYLIGHTS.
6. REMOVE EXISTING ROOF DRAIN CLAMP RINGS AND STRAINERS AND REPLACE WITH NEW PARTS.
7. INSTALL NEW WALK PADS AS SHOWN ON THE PLANS.
8. FLASH 2 ROOF DRAINS ON UPPER ROOF ADJACENT TO CURBS PER PARAPRO FLASHING DETAIL, SHEET 10.
9. REMOVE EXISTING ROLL ROOFING INSTALLED OVER THE "DOG HOUSE" VENT COVERS. COVER THESE AREAS WITH A 40 MIL SELF ADHERING UNDERLAYMENT AND INSTALL AN ALUMINUM KYNAR 500 FINISHED METAL ROOF PANEL.
10. INSTALL STAINLESS STEEL FULL-CAP COPING (PER SMACNA GUIDELINES).
11. EQUIVALENT TORCH METHOD MAY BE USSED AT THE SCREEN AND GRIT AND METER VAULT No. 2 BUILDINGS.

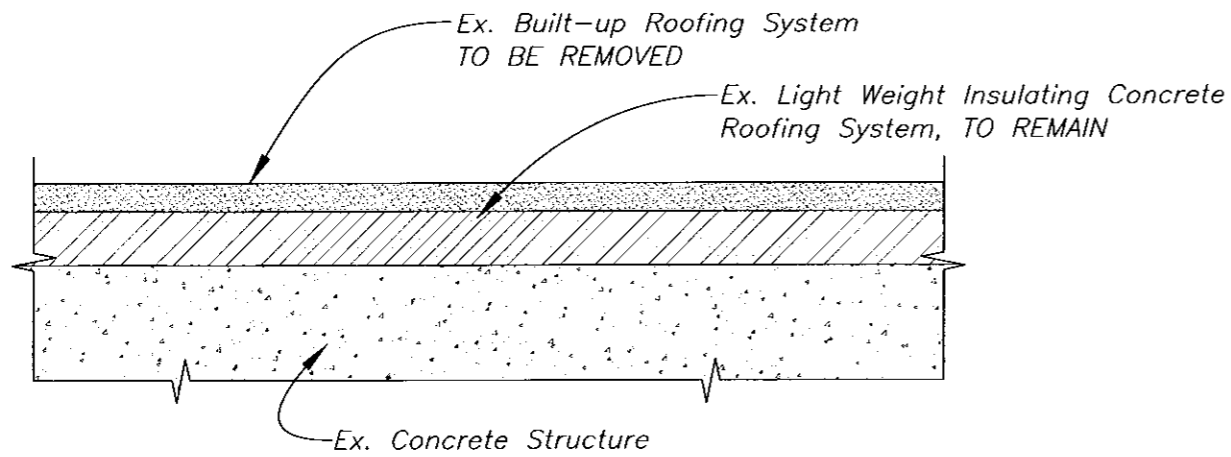
GENERAL NOTES - DIGESTER CONTROL BUILDING:

1. REMOVE EXISTING BUILT UP ROOFING AND INSULATION DOWN TO CONCRETE ROOF DECK.
2. INSTALL TEMPORARY ROOF PER SPECIFICATION.
3. INSTALL NEW LWIC PER SPECIFICATION.
4. INSTALL NEW SIPLAST ROOF SYSTEM PER SPECIFICATION.
5. INSTALL NEW 22 GAUGE STAINLESS STEEL FLASHINGS TO REPLACE EXISTING FLASHINGS.
6. REMOVE EXISTING ROOF DRAIN CLAMP RINGS AND STRAINERS AND REPLACE WITH NEW PARTS.
7. INSTALL NEW WALK PADS AS SHOWN ON THE PLANS.
8. INSTALL STAINLESS STEEL FULL-CAP COPING (PER SMACNA GUIDELINES).
9. INSTALL NEW EXPANSION JOINT PER ATTACHED DETAIL AT TANKS, SHEET 7.
10. NO FLAMES SHALL BE PERMITTED AT THIS BUILDING.
11. TORCH METHODS MAY NOT BE USED, ONLY COLD ADHESION.

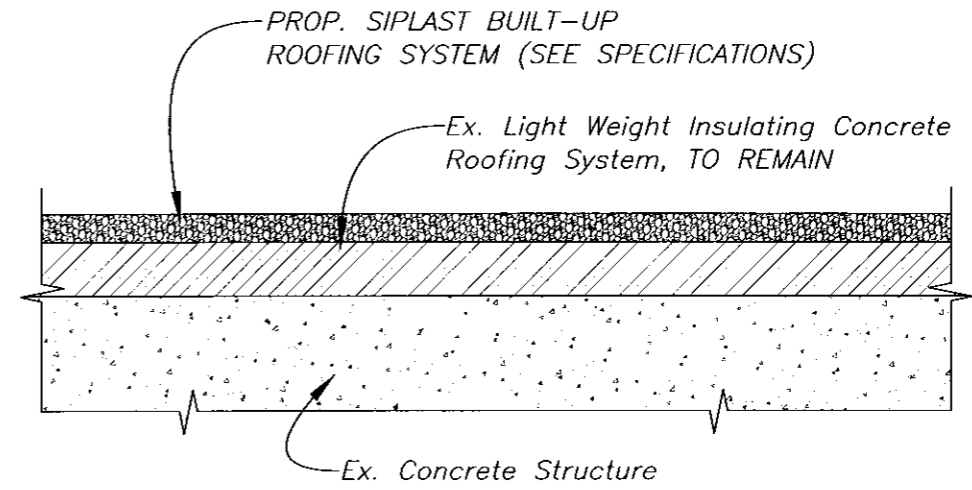
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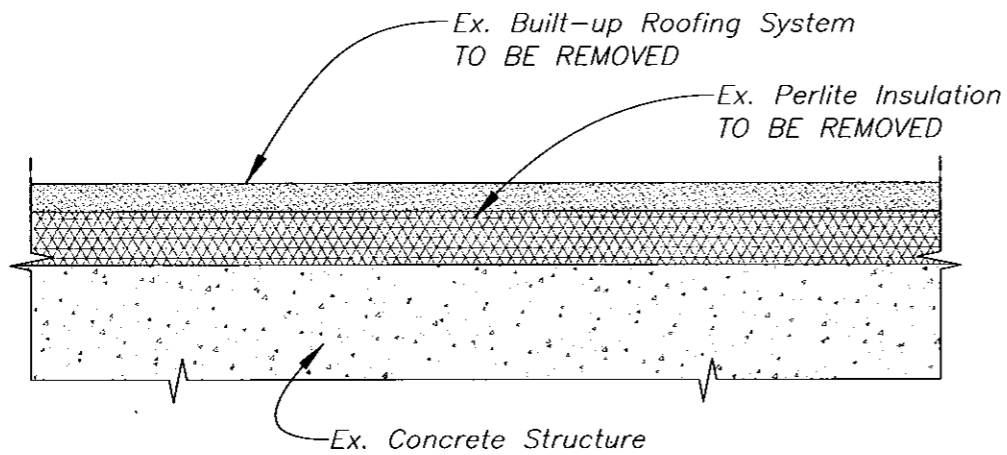
JACINTO CARLOS FERRAS, P.E. #49454 DESIGN DIVISION HEAD WASTEWATER DEPARTMENT	No.	DATE	REVISIONS	DES: S.K.	CITY of TAMPA HOWARD F. CURREN ADVANCED WASTEWATER TREATMENT PLANT	H.F.C. A.W.T.P. ROOFING CONTRACT - F.Y. '08 GENERAL NOTES	W.O. 8113
	3			DRN: BB			SHEET
	2			CKD: JF			3
	1			DATE: 8/20/08			OF 12



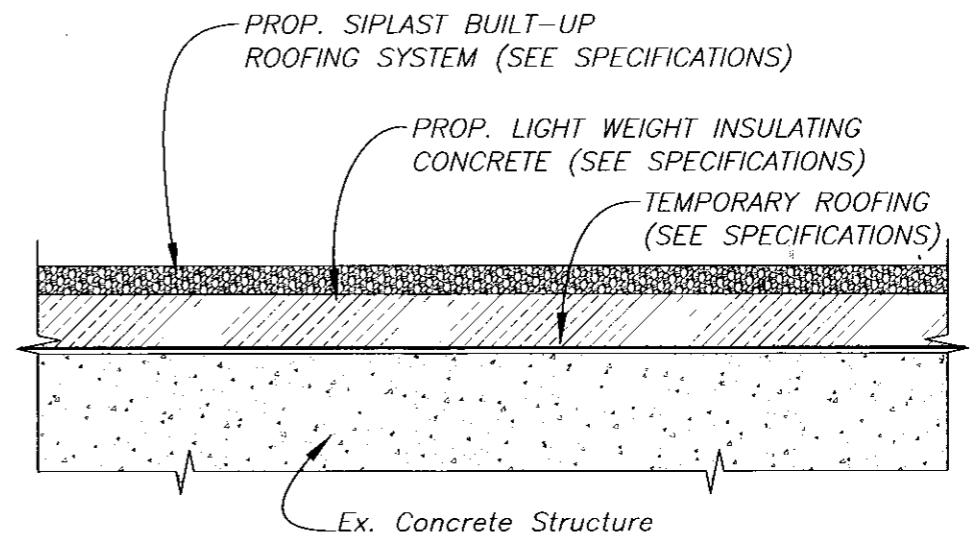
SECTION - SCREEN & GRIT BLDG. 005
EXISTING ROOFING SYSTEM
 NOT TO SCALE



SECTION - SCREEN & GRIT BLDG. 005
PROPOSED ROOFING SYSTEM
 NOT TO SCALE



DIGESTER CONTROL BLDG. "C"
EXISTING ROOFING SYSTEM
 NOT TO SCALE



DIGESTER CONTROL BLDG. "C"
PROPOSED ROOFING SYSTEM
 NOT TO SCALE

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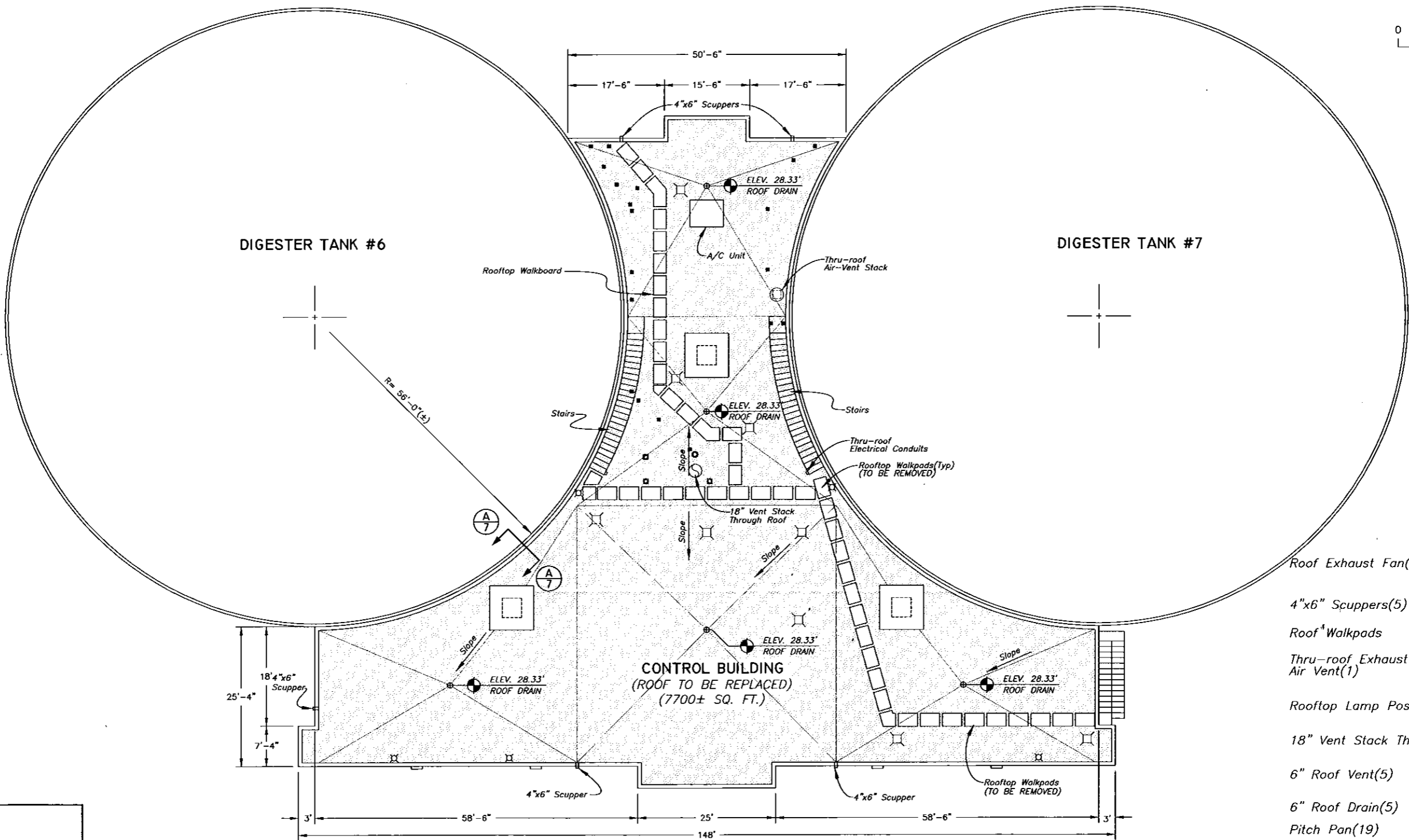
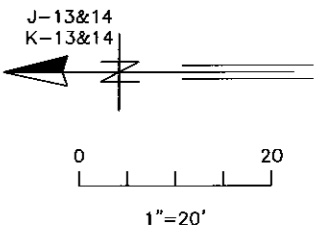
JACINTO CARLOS FERRAS, P.E. #49454
 DESIGN DIVISION HEAD
 WASTEWATER DEPARTMENT

No.	DATE	REVISIONS
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CITY of TAMPA
 WASTEWATER DEPARTMENT

H.F.C. A.W.T.P. ROOFING CONTRACT - F.Y. '08
EXISTING & PROPOSED ROOFING SYSTEMS
EXISTING & PROPOSED SECTION VIEWS



LEGEND
Item(Quantity)

Roof Exhaust Fan(3)	
4"x6" Scuppers(5)	
Roof Walkpads	
Thru-roof Exhaust Air Vent(1)	
Rooftop Lamp Post(9)	
18" Vent Stack Through Roof(1)	
6" Roof Vent(5)	
6" Roof Drain(5)	
Pitch Pan(19)	
6" Gas, Down Through Roof(1)	
Thru-roof Air Vents(4) (In Pitch Pans)	

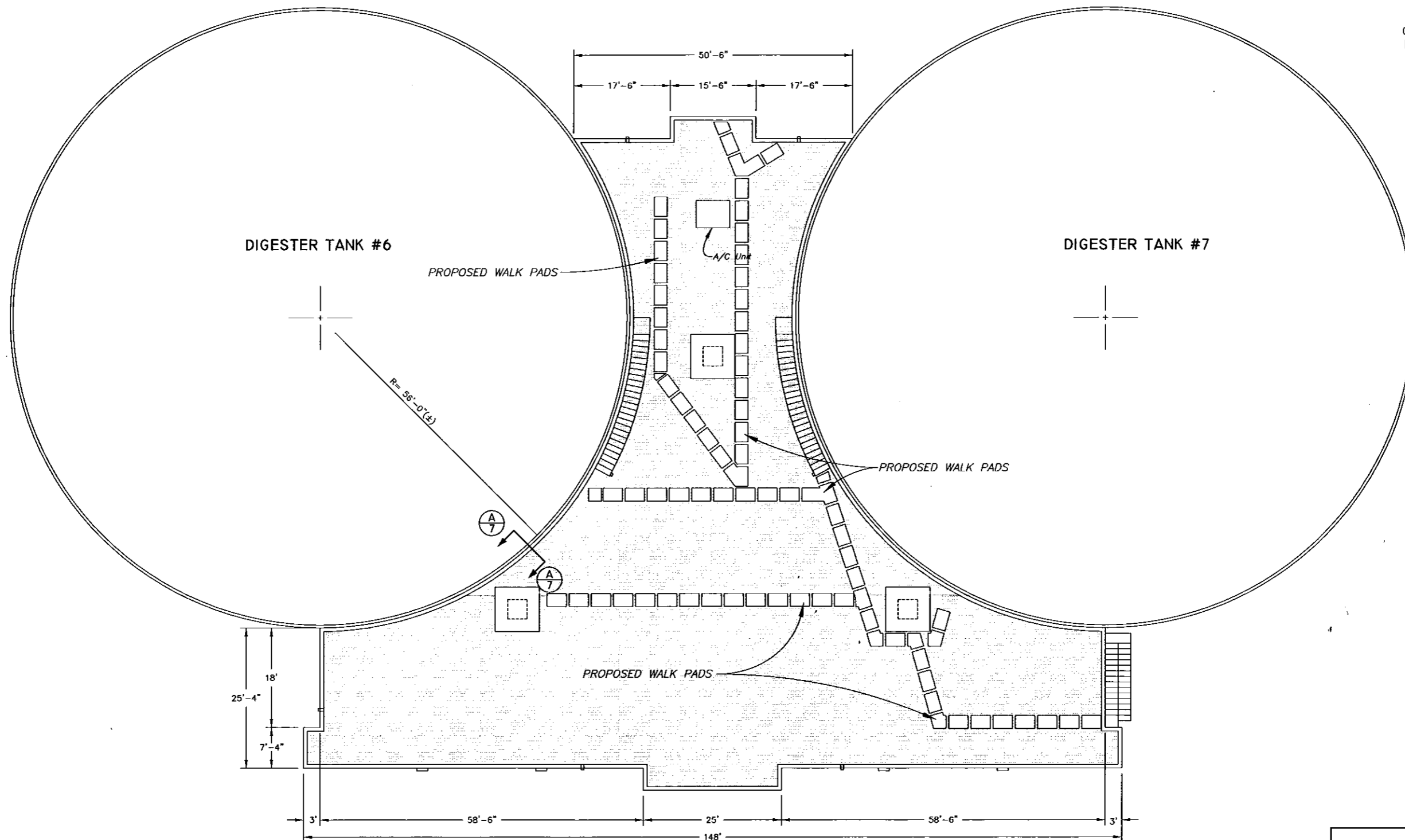
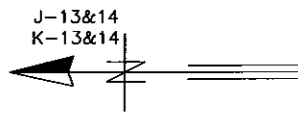
DIGESTER CONTROL BUILDING "C"
PLAN VIEW - EXISTING CONDITIONS

SCALE: 1" = 20'

NOTE:
ALL DIMENSIONS AND ROOFING PENETRATIONS SHALL BE FIELD-VERIFIED BY THE CONTRACTOR

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JACINTO CARLOS FERRAS, P.E. #49454 DESIGN DIVISION HEAD WASTEWATER DEPARTMENT	No.	DATE	REVISIONS	DES: S.K.	CITY of TAMPA HOWARD F. CURREN ADVANCED WASTEWATER TREATMENT PLANT	H.F.C. A.W.T.P. ROOFING CONTRACT - F.Y. '08 DIGESTER CONTROL BLDG. - EX. PLAN	W.O. 8113
	3			DRN: BB			SHEET
	2			CKD:			5
	1			DATE:			OF 12



DIGESTER CONTROL BUILDING "C"
PLAN VIEW - PROPOSED WALKPADS

SCALE: 1"= 20'

NOTE:
 TOTAL LINEAR FOOTAGE OF
 PROPOSED WALKPADS - 326'±

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JACINTO CARLOS FERRAS, P.E. #49454
 DESIGN DIVISION HEAD
 WASTEWATER DEPARTMENT

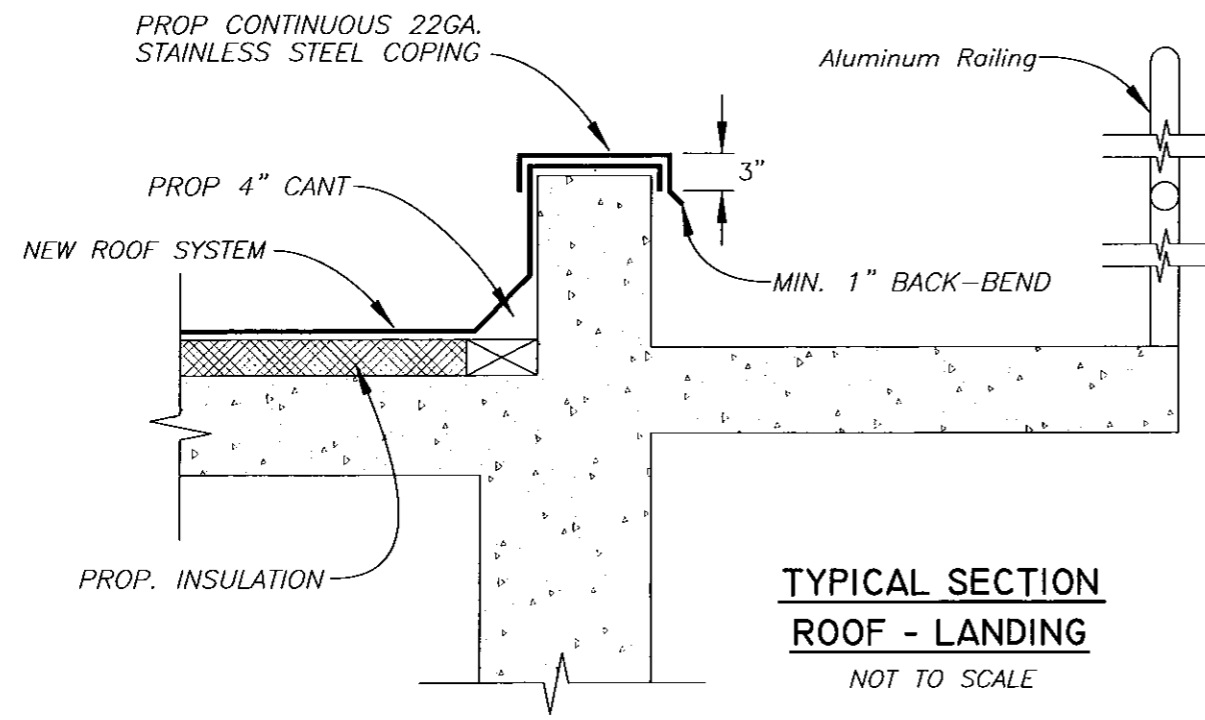
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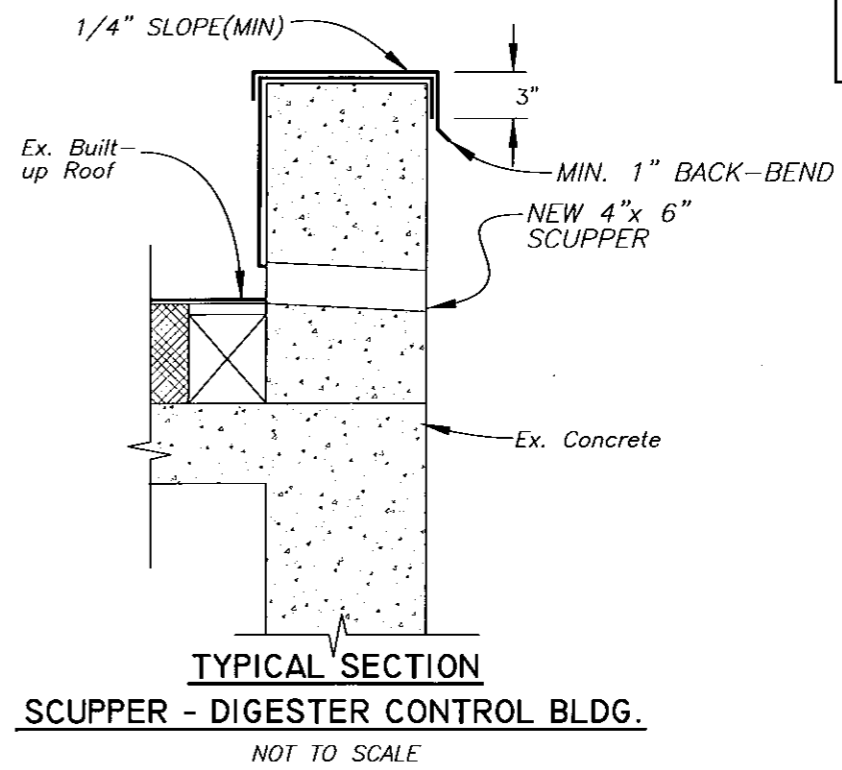
CITY of TAMPA
 HOWARD F. CURREN
 ADVANCED WASTEWATER TREATMENT PLANT

H.F.C. A.W.T.P.
 ROOFING CONTRACT - F.Y. '08
 DIGESTER CONTROL BLDG PROP. WALKPADS

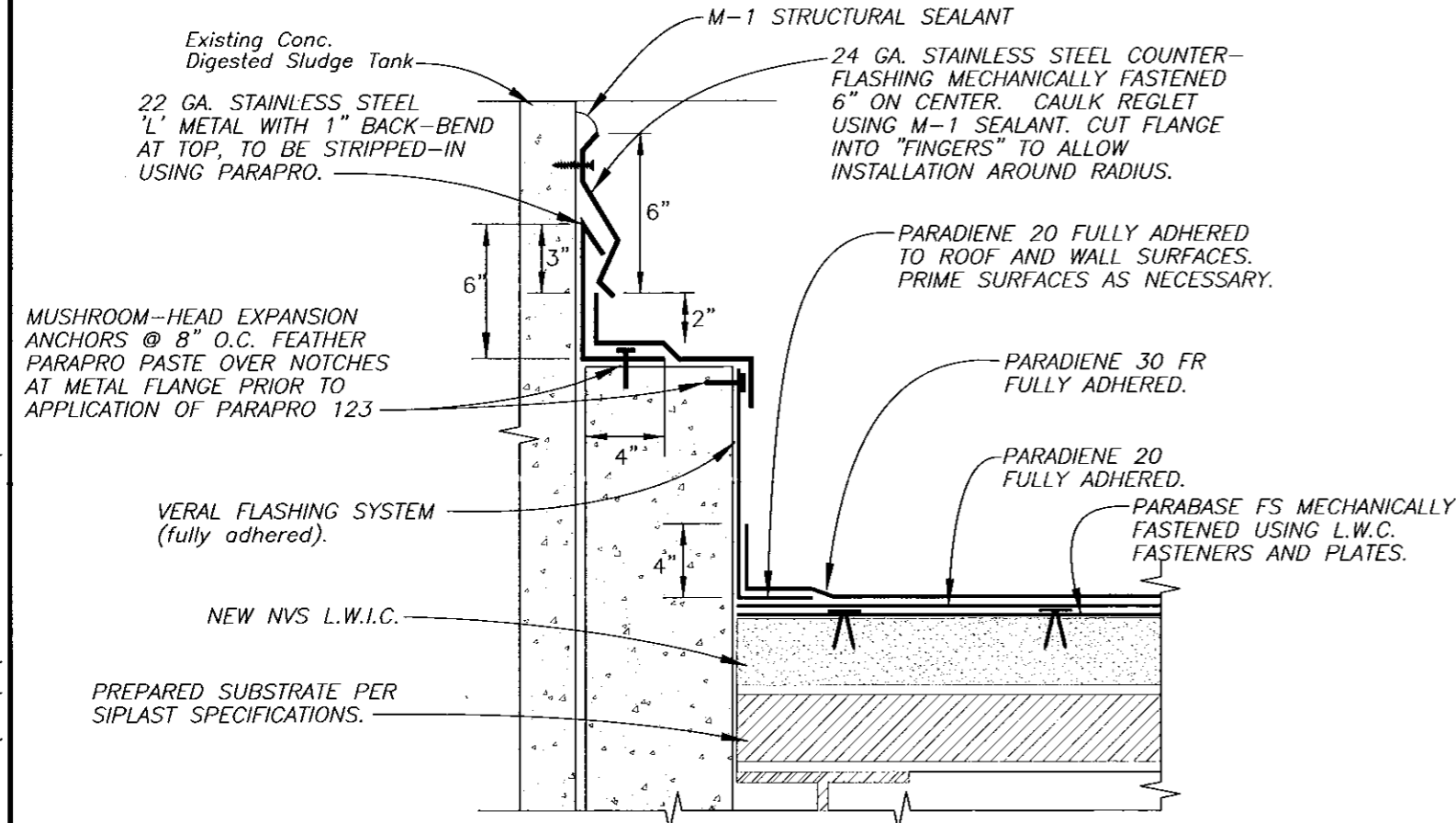
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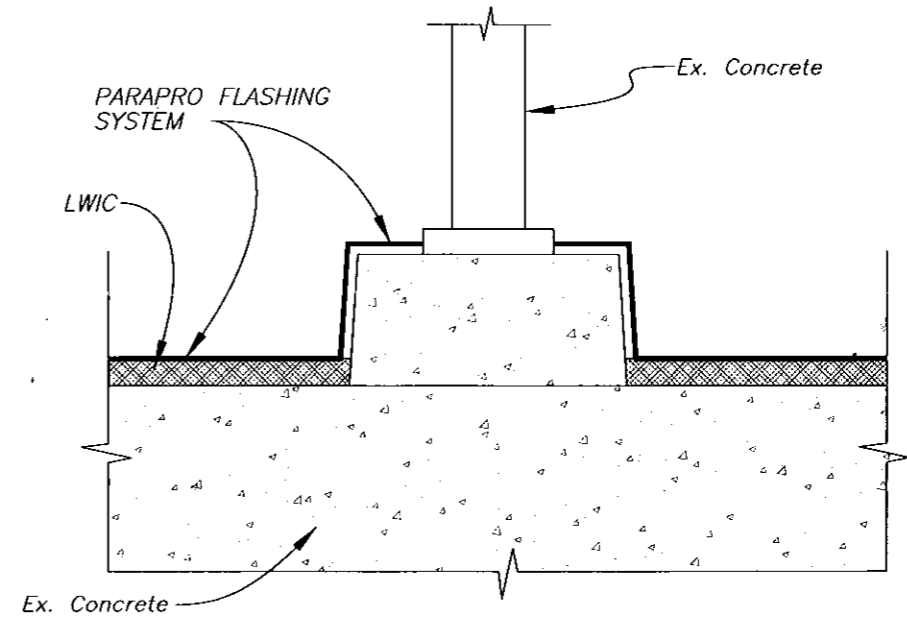
**TYPICAL SECTION
ROOF - LANDING**
NOT TO SCALE



**TYPICAL SECTION
SCUPPER - DIGESTER CONTROL BLDG.**
NOT TO SCALE



**SECTION A-5,6
EXPANSION JOINT COVER**
NOT TO SCALE

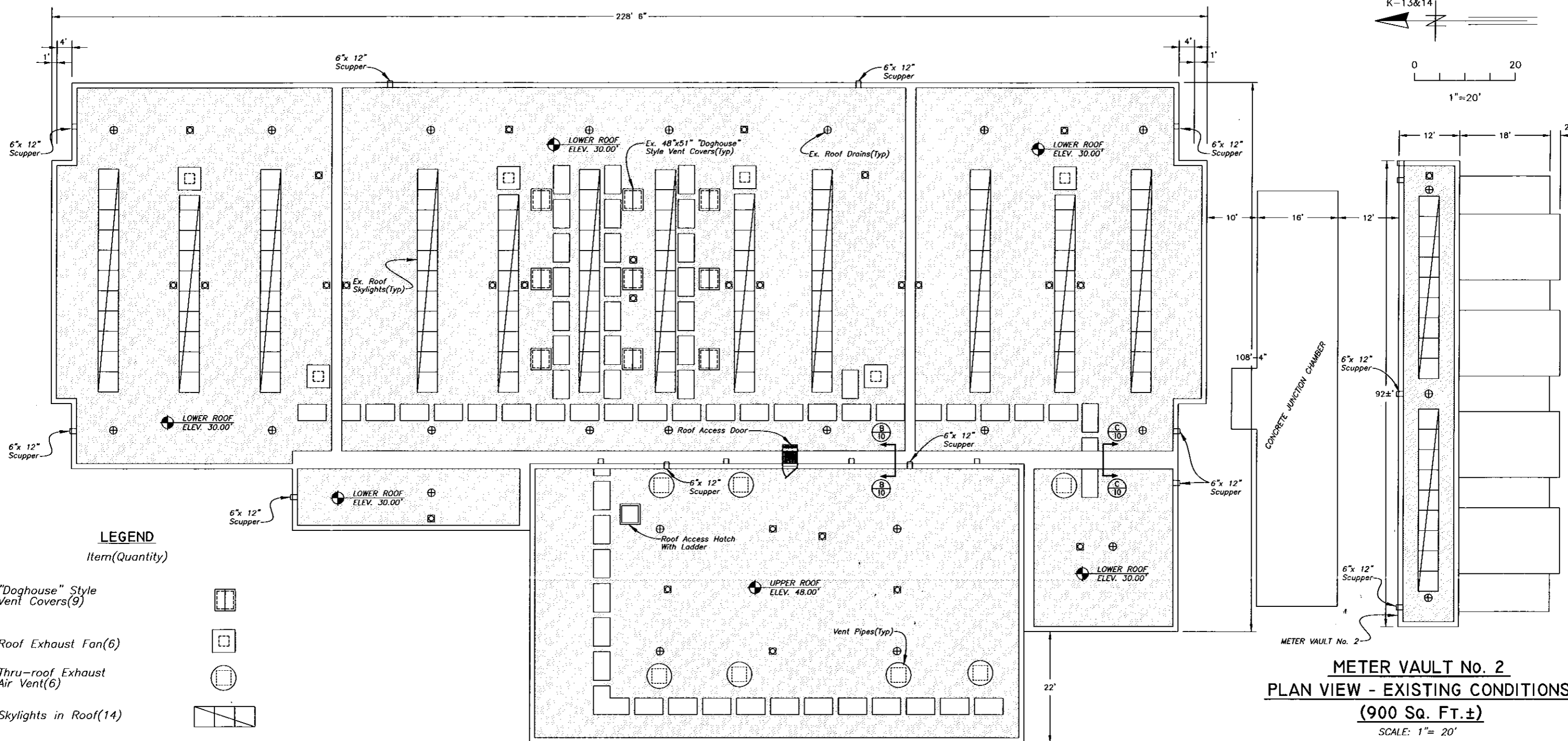
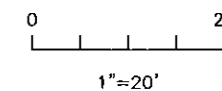
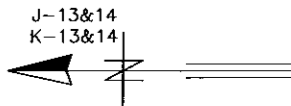


**TYPICAL SECTION
ROOFTOP LIGHT POLE**
NOT TO SCALE

NOTE:
REMOVE AND DISPOSE OF ALL METAL FLASHING, WOODEN CANT AND ADJACENT BELLOW MATERIAL PRIOR TO INSTALLATION OF NEW MATERIALS.

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JACINTO CARLOS FERRAS, P.E. #49454 DESIGN DIVISION HEAD WASTEWATER DEPARTMENT	No.	DATE	REVISIONS	DES: S.K.	CITY of TAMPA HOWARD F. CURREN ADVANCED WASTEWATER TREATMENT PLANT	H.F.C. A.W.T.P. ROOFING CONTRACT - F.Y. '08 DIGESTER CONTROL BLDG, DETAILS	W.O. 8113
	3			DRN: BB			SHEET
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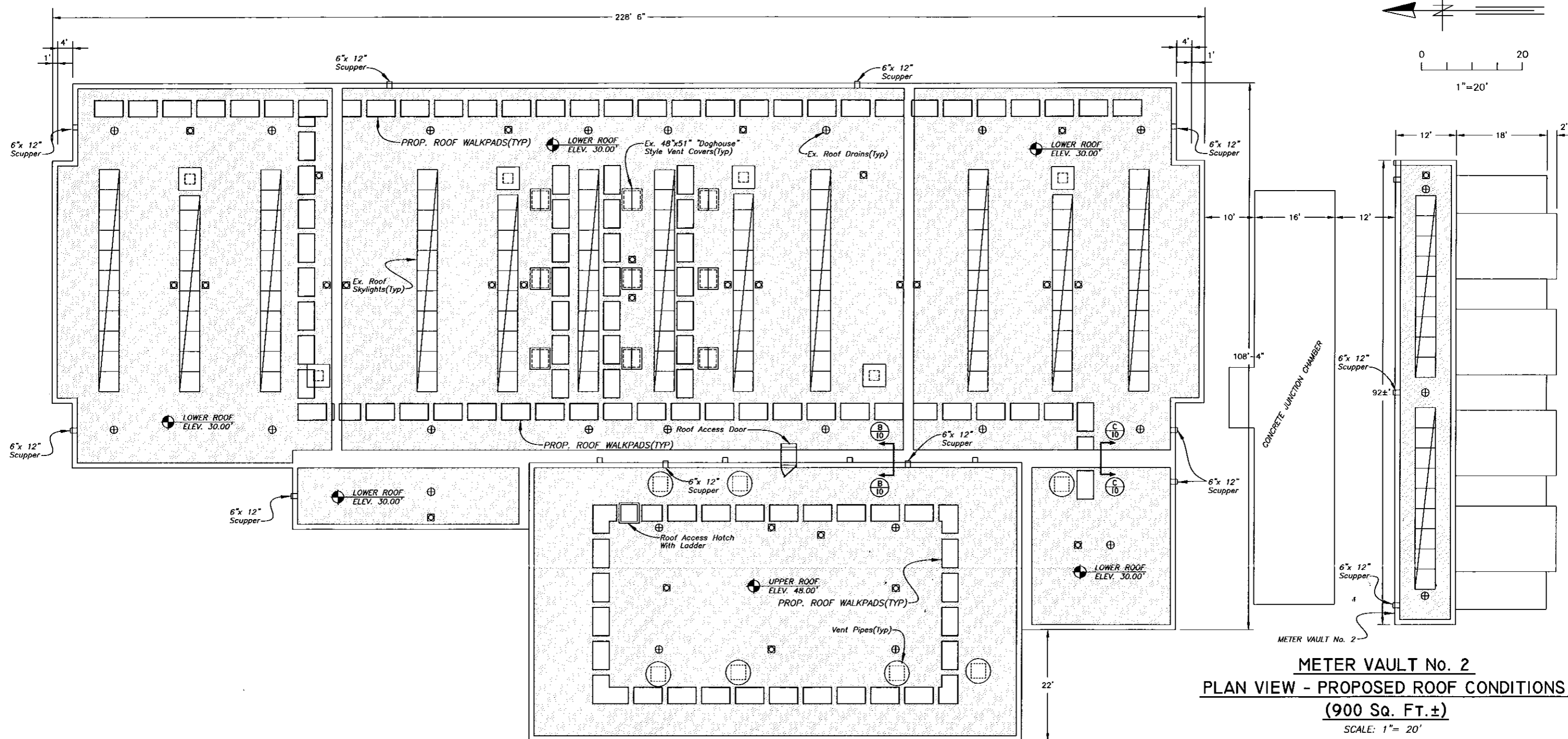
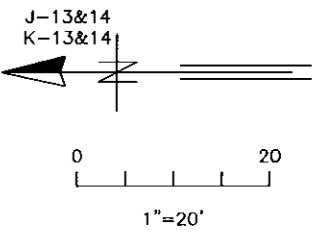
SCREEN AND GRIT BLDG 005
PLAN VIEW - EXISTING CONDITIONS
(24,000 Sq. Ft. ±)
 SCALE: 1" = 20'

METER VAULT No. 2
PLAN VIEW - EXISTING CONDITIONS
(900 Sq. Ft. ±)
 SCALE: 1" = 20'

NOTE:
 ALL DIMENSIONS AND ROOFING PENETRATIONS SHALL BE FIELD-VERIFIED BY THE CONTRACTOR

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JACINTO CARLOS FERRAS, P.E. #49454 DESIGN DIVISION HEAD WASTEWATER DEPARTMENT	No.	DATE	REVISIONS	DES: S.K.	CITY of TAMPA HOWARD F. CURREN ADVANCED WASTEWATER TREATMENT PLANT	H.F.C. A.W.T.P. ROOFING CONTRACT - F.Y. '08 SCREEN & GRIT BLDG. - EX. PLAN VIEW	W.O. 8113
	3			DRN: BB			SHEET
	2			CKD:			8
	1			DATE:			OF 12



SCREEN AND GRIT BLDG 005
PLAN VIEW - PROPOSED ROOF CONDITIONS
(24,000 Sq. Ft.±)
 SCALE: 1"= 20'

METER VAULT No. 2
PLAN VIEW - PROPOSED ROOF CONDITIONS
(900 Sq. Ft.±)
 SCALE: 1"= 20'

NOTE:
 ALL DIMENSIONS AND ROOFING PENETRATIONS SHALL BE FIELD-VERIFIED BY THE CONTRACTOR

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JACINTO CARLOS FERRAS, P.E. #49454
 DESIGN DIVISION HEAD
 WASTEWATER DEPARTMENT

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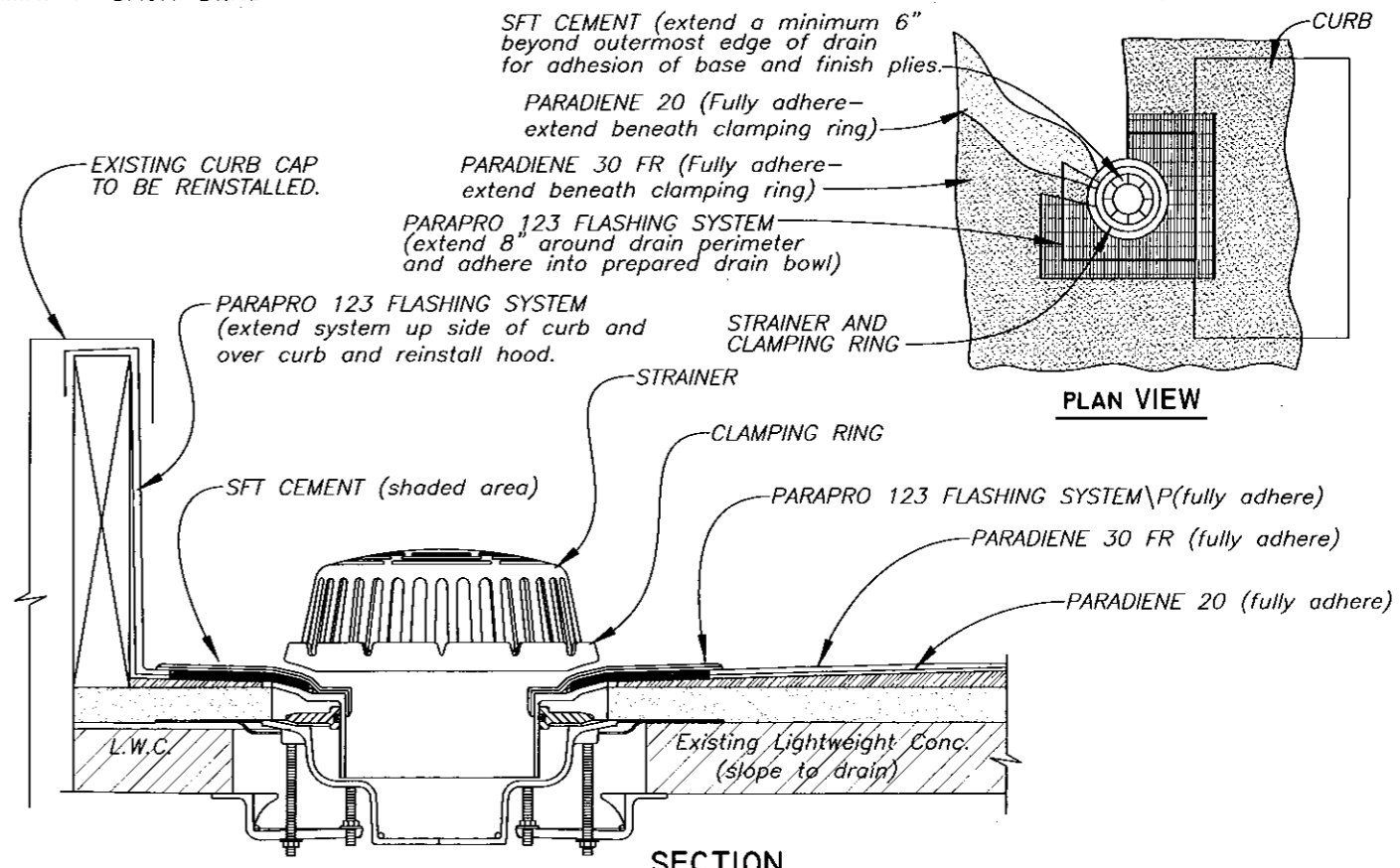
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CITY of TAMPA
 HOWARD F. CURREN
 ADVANCED WASTEWATER TREATMENT PLANT

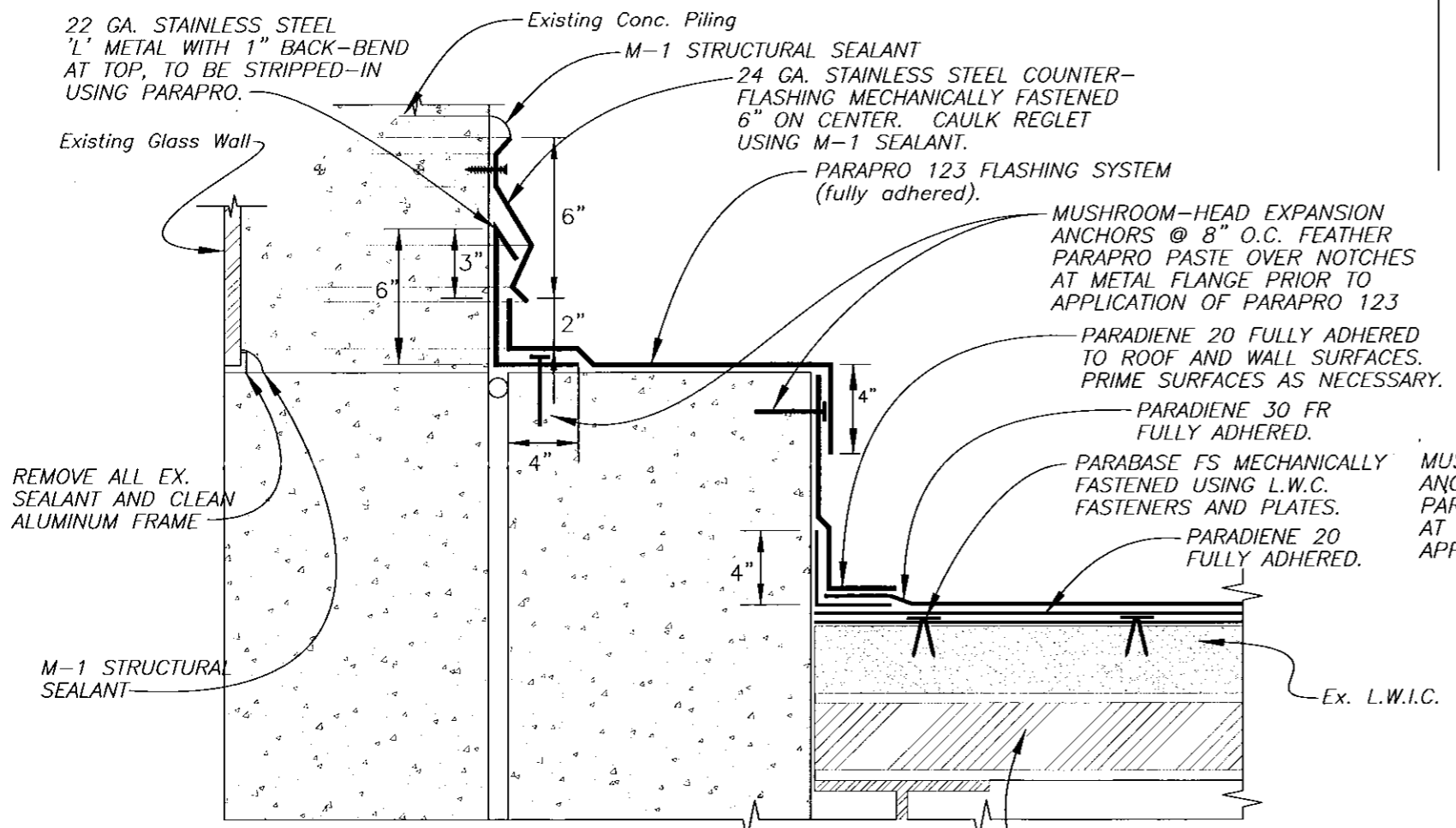
H.F.C. A.W.T.P.
 ROOFING CONTRACT - F.Y. '08
 SCREEN & GRIT BLDG. - PROP. PLAN & WALKPADS



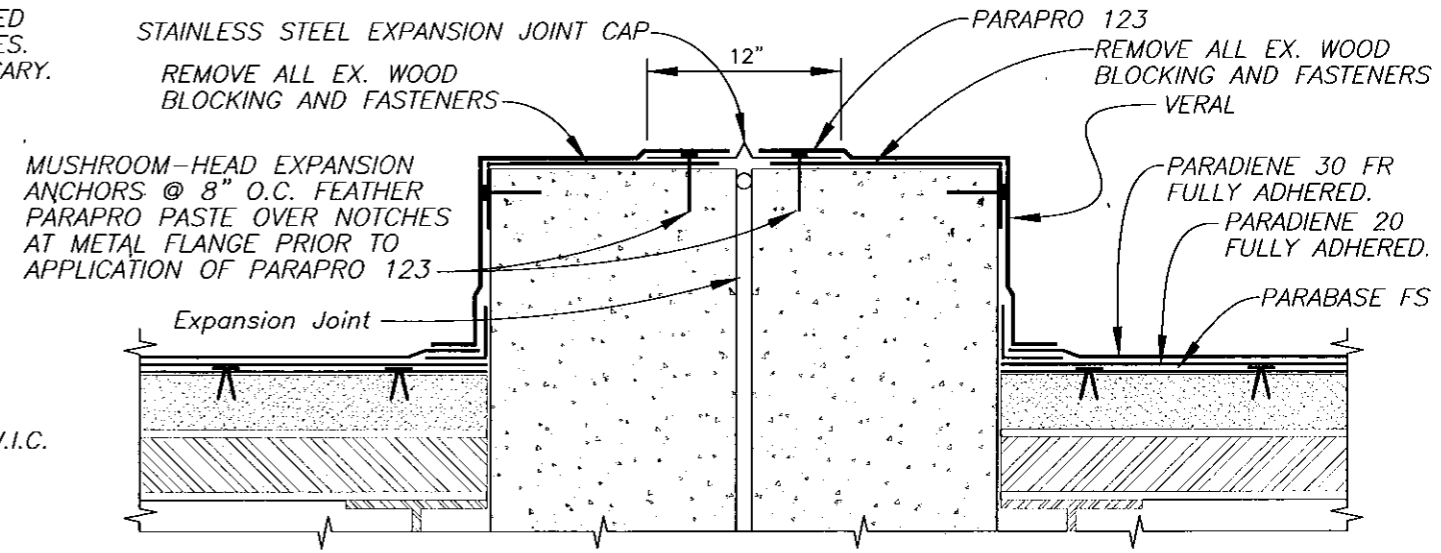
**TYPICAL SECTION
SKYLIGHT - SCREEN & GRIT BLDG.**
NOT TO SCALE



**SECTION
ROOF DRAIN - AGAINST CURB- UPPER ROOF**
NOT TO SCALE



**SECTION B-9
EXPANSION JOINT COVER AT COLUMNS**
NOT TO SCALE



**SECTION C-9
TYPICAL EXPANSION JOINT COVER**
NOT TO SCALE

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JACINTO CARLOS FERRAS, P.E. #49454
DESIGN DIVISION HEAD
WASTEWATER DEPARTMENT

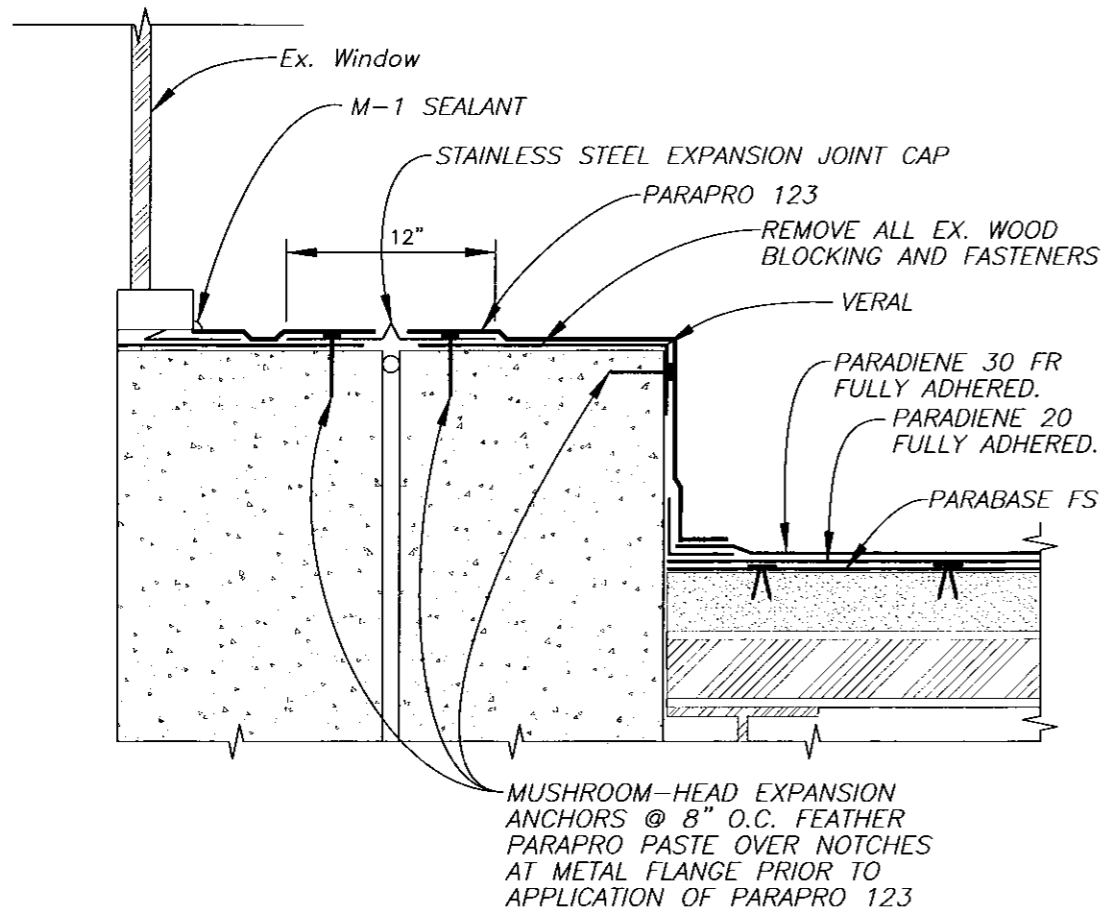
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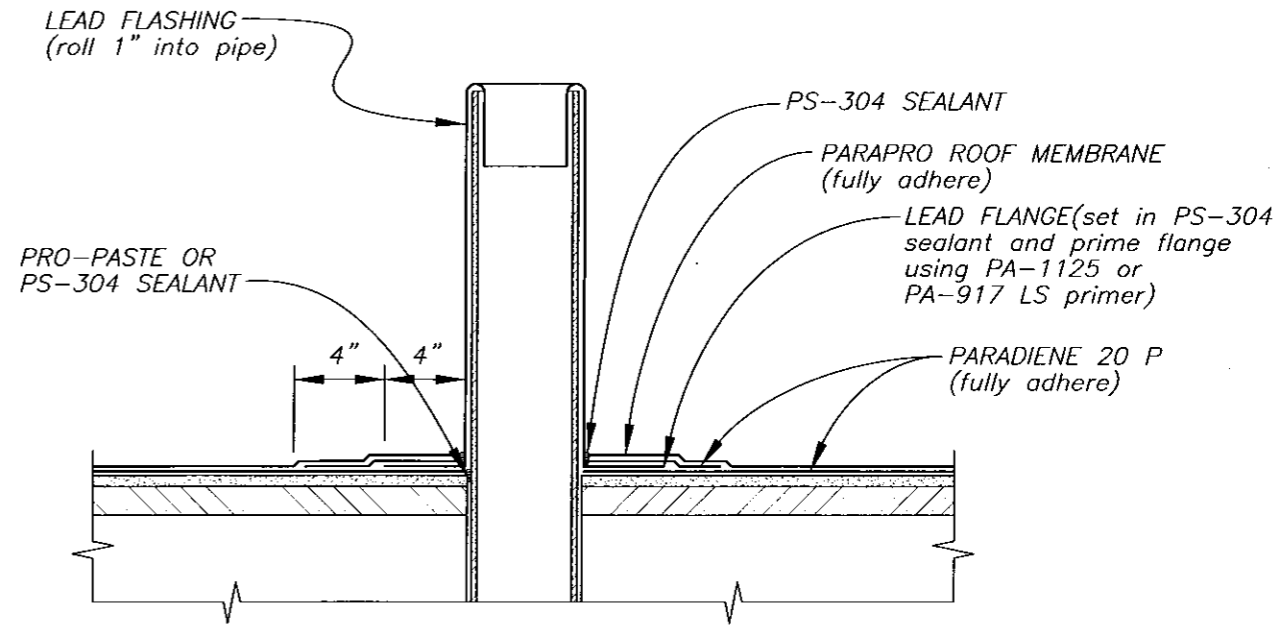
CITY of TAMPA
WASTEWATER DEPARTMENT

H.F.C. A.W.T.P.
ROOFING CONTRACT - F.Y. '08
TYPICAL SECTION DETAILS

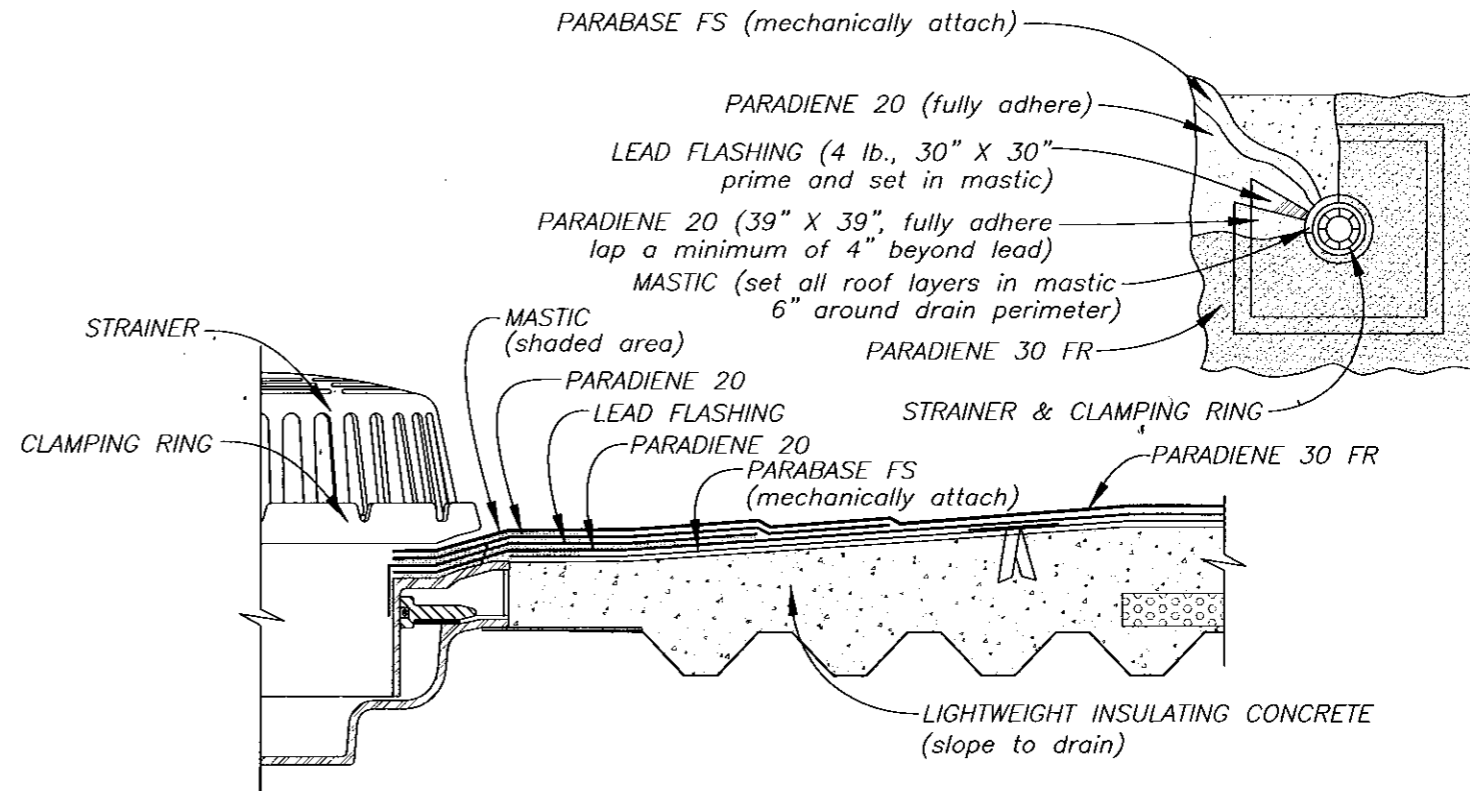
W.O. 8113
SHEET
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SECTION
TYPICAL EXPANSION JOINT COVER @ WINDOW
SCREEN & GRIT BUILDING
 NOT TO SCALE



TYPICAL VENT / WASTE STACK
 NOT TO SCALE



TYPICAL ROOF DRAIN
 NOT TO SCALE

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JACINTO CARLOS FERRAS, P.E. #49454
 DESIGN DIVISION HEAD
 WASTEWATER DEPARTMENT

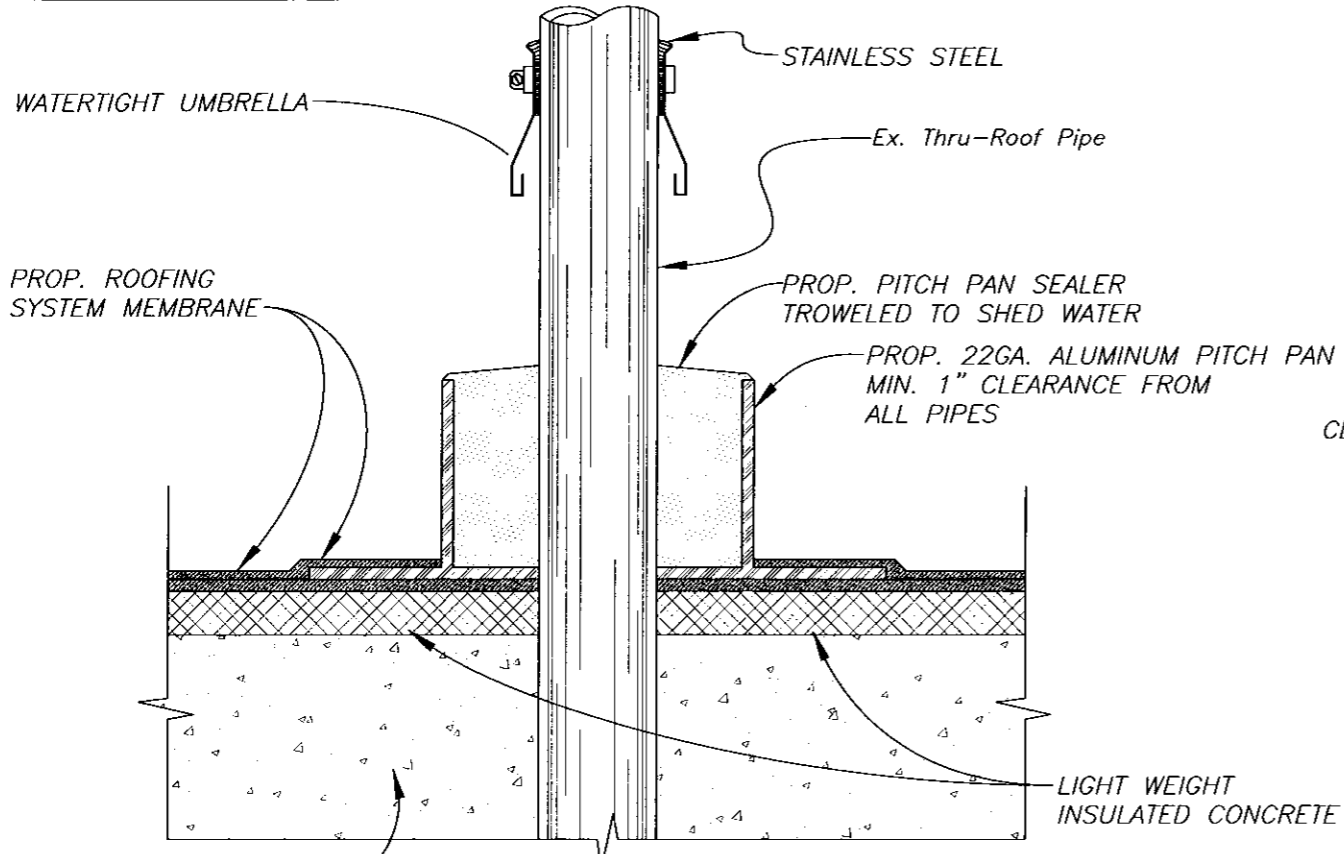
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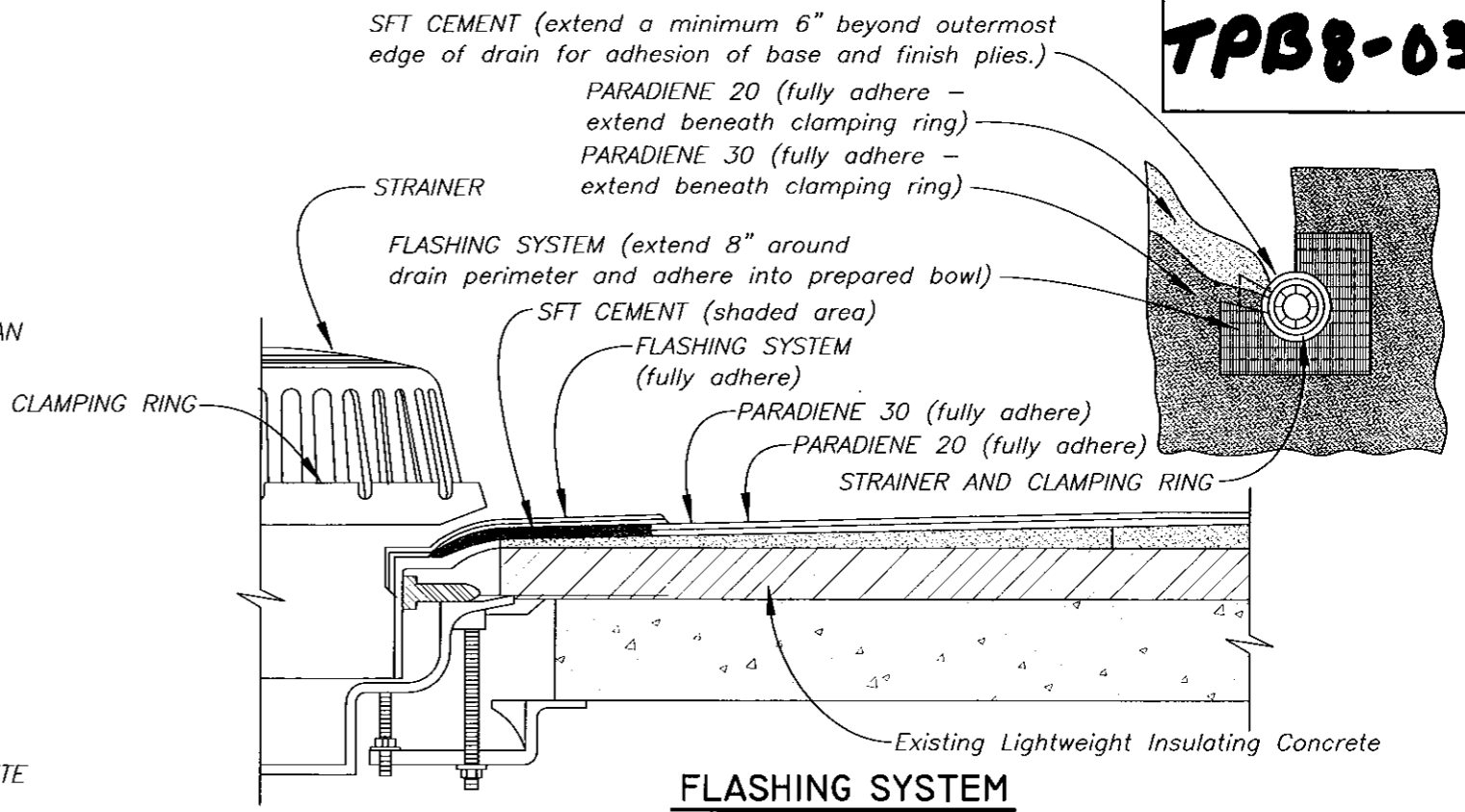
CITY of TAMPA
 WASTEWATER DEPARTMENT

H.F.C. A.W.T.P.
 ROOFING CONTRACT - F.Y. '08
 S/G WINDOW DETAIL / TYP. SECTION DETAILS

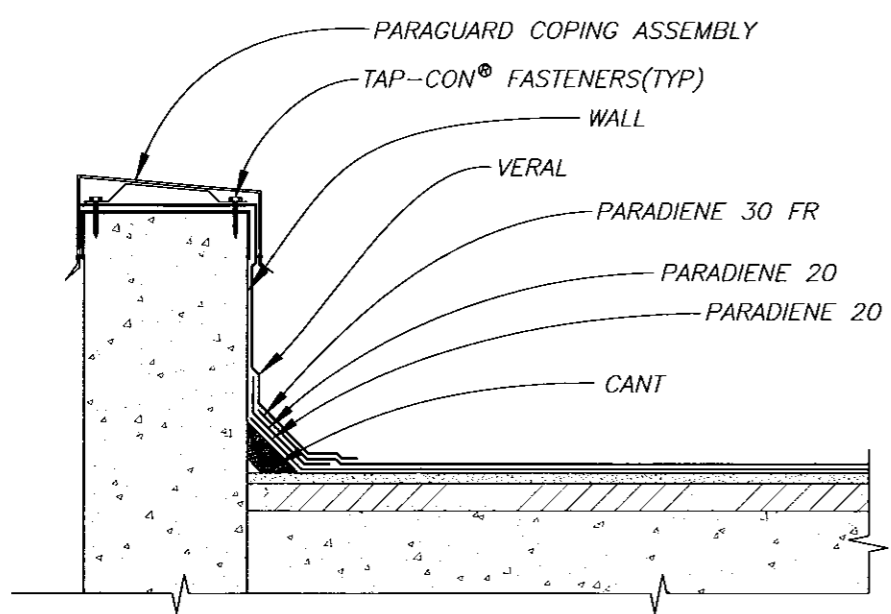
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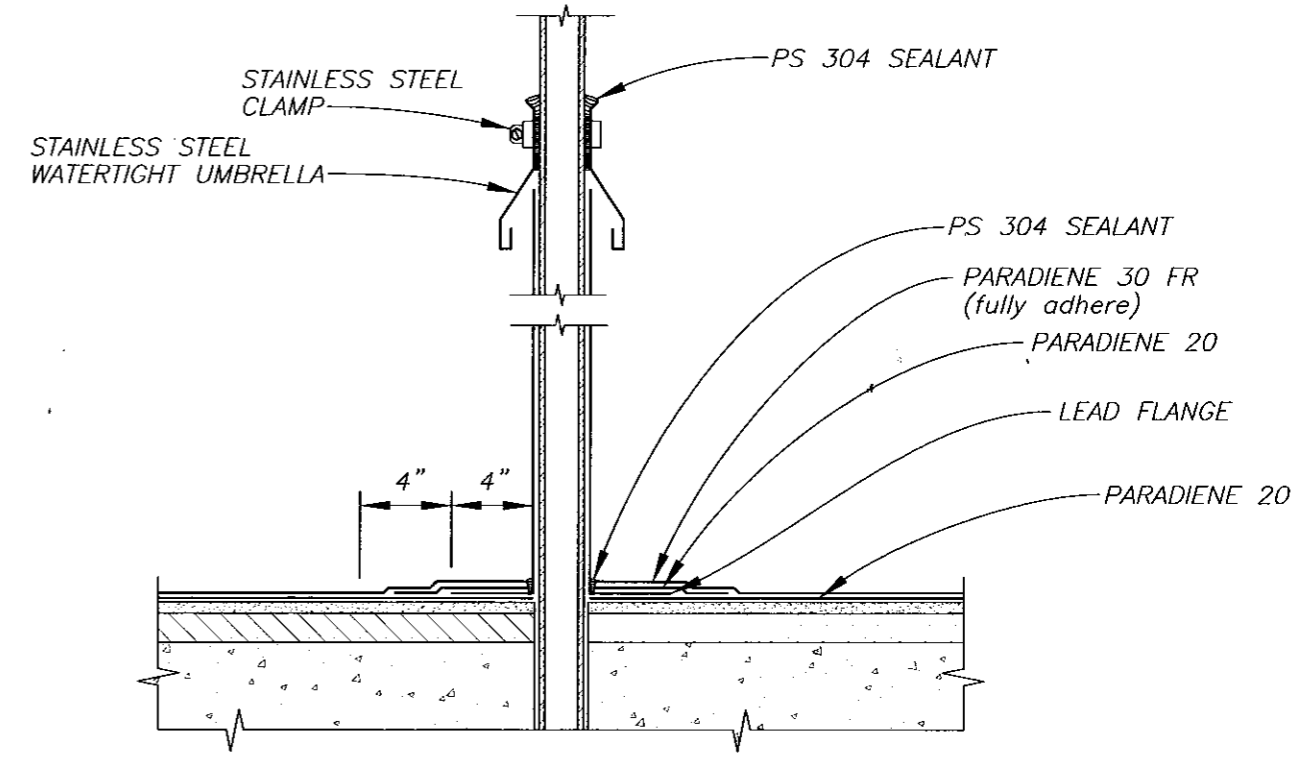
TYPICAL PITCH PAN
NOT TO SCALE



FLASHING SYSTEM
TYPICAL DRAIN CONDITION
NOT TO SCALE



SECTION AT PARAPET WITH PARAGUARD COPING
NOT TO SCALE



TYPICAL CONDUIT / SMALL PIPE PENETRATION
NOT TO SCALE

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JACINTO CARLOS FERRAS, P.E. #49454
DESIGN DIVISION HEAD
WASTEWATER DEPARTMENT

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CITY of TAMPA
WASTEWATER DEPARTMENT

H.F.C. A.W.T.P.
ROOFING CONTRACT - F.Y. '08
TYPICAL SECTION DETAILS