## **AMHI WELLNESS CENTER ROOF REPLACEMENT BUREAU of GENERAL SERVICES** AUGUSTA, MAINE



LOCATION MAP



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**ALLIED PROJECT #19-104** 

ISSUED FOR BID ~ **06 MAY 2022 ~ NOT** FOR CONSTRUCTION

SHEET No.	
G-000	
RD100	
R-100	
R-500	

		DATE	05-06-2022					
	ISSUE	DESCRIPTION	ISSUED FOR BID					
DRAWINGS								
SHEET TITLE								
COVER SHEET			٠					
DEMOLITION PLAN								
ROOF PLAN							 	
ROOF DETAILS			•					





	1		2	3	4
				7	
F	Roof Demoli	FION NOTES			
- F	ROOF COMPO	SITION (APPROXIMATELY 6.200 SF GYM ROOF	: 7.000 SF LOW ROOFS)		
_	1.	STONE BALLAST			
	2. 3.	EPDM MEMBRANE TAPERED INSULATION TO DRAIN INSULATION	CKICKETS (DEPTH VARIES)		
	4. 5.	2 LAYERS 2.2" POLYISOCYANURATE INSULATI VAPOR BARRIER	ON		
	6.	1-1/2" METAL ROOF DECK (20 GAGE)			
<u>D</u>	DEMO NOTES				EXISTING THE
	1 REMOV	E STONE BALLAST, EPDM ROOFING IN ITS EN INTIRETY DOWN TO METAL DECKING. REMOV	TIRETY. REMOVE INSULATION 'E PT PLATES.		OVERFLOW SCUPPEF REMOVE/REPLA(
[	2 REMOV	E/POWERWASH/STORE CONCRETE WALKWA	Y MATS FROM ROOF.		WALL SCUPP
[	3 REMOV	E INTERIOR EXPOSED PARAPET SIDE-WALL FI	LASHING FLUSH TO BLOCK		
	BENEA	TH METAL CAP.			
Γ	4 CUT EF	DM MEBRANE 6 INCHES ABOVE ADJACENT RC ALL TO UNDERSIDE OF FLASHING (DO NOT RE	)OF SURFACE AND PEEL UP MOVE EPDM UP TO		
	FLASHI EXISTII	NG). MAINTAIN IN PLACE UNTIL REPLACEMEN NG (LIFTED) EPDM TO SIDEWALL AND LAP (ADI	T EPDM APPLIED. ADHERE HERE OVER PROPOSED		
_	VERTIC	AL EPDM WALL APPLICATION.			
Ľ	5 REMOV WALL.	E PERIMETER METAL FLASHING AND PT PERIM	METER PLATES OVER TOP OF		
Γ	6 REMOV	E/STORE/REINSTALL MECHANICAL VENTS FOR	R MEMBRANE INSTALLATION.		
Γ	7 REMOV	E VENT PIPE BOOT.			
Γ	8 RAKE A	ND REPOINT MASONRY WITHIN 2 FEET OF CO	RNER, THIS FACE, FULL		
- г			DECK		
Ľ	DISH A	VD COUNTERWEIGHT SYSTEMS ONCE ROOFIN	IG COMPLETE.		
Ľ	11 REMOV BOARD	E/REINSTALL ROOF DRAINS TO FACILITATE V/ AND INSULATION. REMOVE/EXTEND ROOF IN	APOR BARRIER, GYPSUM RAIN PIPING LENGTH TO		
	FACILI1 2'0" X 2	ATE ANY CHANGE IN DRAIN ATTACHMENT HE 0" X 2" DEEP SUMP AT EACH ROOF DRAIN, EX	IGHT DIFFERENTIAL. DEVELOP TENDING INTO METAL DECK AS		
	REQUIE TO FAC	LED. REMOVE THRU-WALL SCUPPER ASSEMBLILITATE PROPOSED REPLACEMENT SYSTEM.	Y AND PIPING AS REQUIRED		EXISTING TH
Ŀ	12 REMOV	E PT BLOCKING EITHER SIDE OF ROOF EXPAN	ISION JOINT.		OVERFLOW SCUPPE REMOVE/REPLA
ے ۲	13 REMOV	E CURB AND PT PLATES DOWN TO DECK.			WALL SCUPF
Ľ	14 FAN CL	RB TO REMAIN.			
Ľ	15 DEMO	MASONRY TO FACILITATE INSTALLATION OF S	UPPLEMENTAL ZINC-TIN ALLOY-		
_	SEE DE	TAIL C1/R-500	TERMINATION AT SIDE WALL.		
[1	16 REMOV	E EPDM ON SIDE WALL AND TOP OF WALL. R	EMOVE PT PLATES.		
1	17 CUT EF	DM AT BASE OF HVAC UNIT CURB TO ALLOW I LATION TO WRAP UP CURB WALL WHILE USIN	FOR PROPOSED EPDM G FLAP OF EXISTING TO LAP		
	OVER A	ND ADHERE TO NEW EPDM			
				<b></b>	j
				///////////////////////////////////////	
				4	
	i				
C	1	ROOF DEMOLITION PL	_AN	 	
1/8" =	- 1'-0"				





		<u>1</u> <u>3</u>	4
G	RERO	OOFING/CONSTRUCTION SCOPE	
	1.	APPLY AIR/VABOR BARRIER, GYPSUM BOARD AND POLYISOCYANRUATE INSULATION MECHANICALLY FASTENED TO (E) 1-1/2" 20 GAGE METAL DECKING. REPLACE ALL	
	2.	BLOCKING AND COPING WOOD PLATES WITH KILN DRIED LUMBER. REPLACE METAL FASCIA.	
	3.	REMOVE DRAINS AND RAISE AS NECESSARY TO ALLOW FOR AIR/VAPOR BARRIER INSTALLATION, GYPSUM DECK BOARD AND MINIMUM 1" POLYISOCYANURATE	EXISTING THR WALL OVERFLOV
_	4.	INSULATION WITHIN THE REQUIRED 2 FT X 2 FT SQUARE SUMP CENTERED ON DRAIN VENT PIPES (TYPICAL): PROVIDE AN EPDM PIPE BOOT WITH MINIMUM CLEARANCE	SCUPPE
	5.	FROM ROOF SURFACE TO CLAMP OF NOT LESS THAN 8". SEE DETAIL A9/ R-500 LIFT/STORE/REPLACE VENT/FANS TO ALLOW REINSTALLATION OF CURB MEMBRANE	
	6.	AND MEMBRANE TIE-INS WITH EXISTING FIELD MEMBRANE. CUT MEMBRANE OF CURB AT ROOF LINE (ALL 4 SIDES OF UNIT) AND WRAP UP UNIT	PROVIDE TAPERE INSULATION FO
F	-	PRIOR TO INSTALLATION OF A NEW MEMBRANE CURB BASE APPLICATION. WHEN COMPLETE, ADHERE EXISTING MEMBRANE FLAP DOWN OVER NEW MEBRANE CURB FLASHING INSTALLATION.	AREA, REQUIRE AVERAGE R-3
	7.	REUSE EXISTING CONCRETE WALKWAY UNITS AND DISTRIBUTE ACCORDING TO PLAN LAYOUT. RETURN UNUSED CONCRETE WALKWAY UNITS TO OWNER.	
	8.	(E) ROOF FRAMING IS SLOPED, WITH TAPERED INSULATION PROVIDED FOR SLOPE- TO-DRAIN FLOW ON ROOFS.	
_	9.	PROVIDE 2X2 ADHERED RUBBER WALKWAY PADS BENEATH PERIMETER OF DISH COUNTERWEIGHT SYSTEM AND FOR EACH OF THE DUCT POST SUPPORT BASES	
	10.	2-LOCATIONS	
F			EXISTING THR WALL OVERFLOV
			SCUPPE
_			
D			
			F6 R-500
		R-500	
		R-500	
		F6	
		R-500	
С	C1	ROOF PLAN	
	1/8" = 1'-0"		
	STRUCTURAL NOTE	TES	
_	1. THIS BUILDII INTERNATIC (IEBC): ASCE	DING IS DESIGNED TO COMPLY WITH THE 2015 EDITIONs OF BOTH THE IONAL BUILDING CODE (IBC) AND INTERNATIONAL EXISTING BUILDING CODE CE 7-10 "MINIMUM DESIGN LOADS FOR BUILDINGS & OTHER STRUCTURES.	
	2. DEAD LOAD PLUS 5 PSF OTHER HUN	DS: DESIGN INCLUDES THE SELF WEIGHT OF STRUCTURAL COMPONENTS F ALLOWANCE FOR MISCELLANEOUS DUCTWORK, SPRINKLER PIPING AND ING ITEMS.	
	3. SNOW LOAD A. GRO B. FLAT	AD: IOUND SNOW LOAD Pg = 70 PSF AT ROOF SNOW LOAD Pf = 53.9 PSF	
в	C. SNO' D. SNO' E. SNO'	OW LOAD IMPORTANCE FACTOR         Is = 1.0           OW EXPOSURE FACTOR         Ce = 1.0           OW THERMAL FACTOR         Ct = 1.1	
	F. SNO 4. WIND LOAD: A. BASI	OW DRIFTING IN ACCORDANCE WITH ASCE7 D: SIC WIND SPEED V = 115 MPH	
	B. RISK C. Wint D. Wint	SK CATEGORY II ND EXPOSURE EXPOSURE C ND INTERNAL PRESSURE COEFFICIENT GCpi = ±0.18	
	E. ZONI F. DESI	NE "a" 8 FEET (GYM) 3 FEET (LOW ROOFS) SIGN WIND LOADS:	
_	Compor	onent and Cladding Ultimate Wind Pressures	
	Roof	Surface Pressure (psf)       vrea     10 sf       50 sf     100 sf       20 4     20 4	
I	Negative Zone Negative Zone Negative Zone	ie 1       -32.4       -30.4       -29.6         ie 2       -54.3       -40.9       -35.1       -35.1         ie 3       -81.7       -49.1       -35.1       -35.1         ie 0       16.0       16.0       16.0       16.0	
А	Positive All Zone		







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