

ADDENDUM NO. 4

08/09/24

Marianas High School Gym HVAC Project

NMHC IFB 2024-008

1. General: The following revisions, additions, corrections, and/or clarifications to the specifications shall apply to the work affected thereby. Careful note of the Addendum shall be taken into consideration by the bidder/contractor, and all trade affected shall be fully advised of the information contained herein. In the event of conflicts between the drawings, specifications and this Addendum, the content of this Addendum shall govern. All further conflicts in the work resulting from or caused by, the contents of this Addendum must be brought to the attention of the Contracting Officer for resolution. Failure to acknowledge this Addendum in accordance with the instructions, may subject your bid to rejection on the affected item(s)/services(s).

2. RFI from Chong's Corporation: NMHC Response

(Note: acknowledgement of addendums must be indicated in the bid proposal form.)

All other requirements of the Invitation For Bids (IFB) shall remain as stated

/s/

Jesse S. Palacios
Corporate Director

Northern Marianas Housing Corporation (NMHC)

Community Development Block Grant-Disaster Recovery (CDBG-DR)

Request for Information (RFI)

IFB / RFP 2024-008

Bidder/Proposer: Chong's Corporation

Date: 07/29/2024

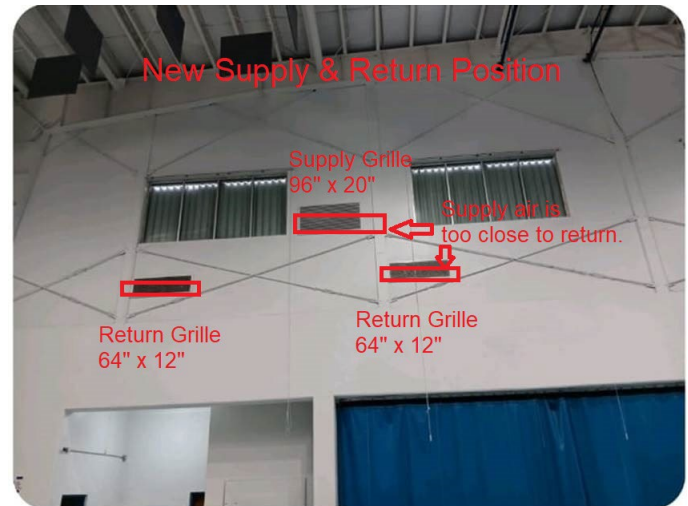
Project Name: Marianas High-School Gym HVAC Project

No. Question

1. PCU-4: Existing design has two (2) supply grilles, 54" x 16" each, and one (1) return grille 60" x 30".

The new design has one (1) supply grille, 96" x 20", and two (2) return grilles, 64" x 12" each, and the supply and return positions are switched.

The new supply opening of 96" x 20" will require cutting into the column. The new return openings of 2- 64" x 12" will require cutting into both the column and tension cables. **Please see attached pictures.**



Also, the new supply position is higher than the return positions. As such, the air circulation will take much longer time. Additionally, the new return positions are lower than supply, and too close. This will divert an amount of cool air into the return before it reaches the lower portion of the building.

RECOMMENDATION: Can we retain the existing supply and return positions?
Which were working properly for many years.

PEGS Response:

To minimize cost and avoid cutting into existing columns and tension cables, contractor to retain existing supply duct and return duct positions. However, please follow the revised supply and return duct layout as shown in attached Addendum No. 4 Drawings for the revised Sheets M-1 and M-5.

2. E-3: PCU-1, 2, 4: Seven (7) disconnect switches. Should be 600V. Not 250V.

PEGS Response:

The power service for A/C equipment is confirmed to be 480 volts 3 phase 60 hz. Therefore, all disconnect switches for all seven (7) disconnect switches shall be rated for 600 volts, not 250 volts.

3. Instruction to Bidders, 4. Preparation of Bids
C.24. Submittal Registry Log Template from Bidder

Question: No form/template included in the packet. Will the bidder be the one to furnish the form?

NMHC Response:

Bidders to provide their form/template for the Submittal Registry Log.

GENERAL NOTES;

1. PRIOR TO SUBMISSION OF HIS BID, CONTRACTOR SHALL VISIT THE JOBSITE AND FAMILIARIZE HIMSELF WITH THE PROJECT AND THE SCOPE OF WORK.
2. PRIOR TO START OF WORK AND TO MINIMIZE DISRUPTION TO SCHOOL OPERATIONS, COORDINATE ALL HVAC WORK WITH THE SCHOOL MANAGEMENT AND MAINTENANCE DEPARTMENT PERSONNEL TO DETERMINE WHAT PHASE OF WORK IS PRIORITY.
3. CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMIT PRIOR TO CONSTRUCTION.
4. ALL WORK SHALL CONFORM TO THE 2012 EDITION OF THE INTERNATIONAL MECHANICAL CODE, INTERNATIONAL FIRE CODE, SMACNA STANDARDS AND NFPA 90 INCLUDING THE CNMI LOCAL DPW BUILDING SAFETY CODES.
5. CONTRACTOR SHALL FOLLOW ALL SAFETY REQUIREMENTS AS PROMULGATED BY OSHA ESPECIALLY FOR WORK INVOLVING HEIGHTS OVER 2 METERS FROM FINISH FLOOR OR GRADE.
6. EQUIPMENT CONFIGURATION VARIES BETWEEN DIFFERENT MANUFACTURERS. THE BASIS OF HVAC EQUIPMENT FOR THIS PROJECT IS LENNOX BRAND. OTHER ACCEPTABLE SUBSTITUTE INCLUDE TRANE, YORK, OR APPROVED EQUAL. HOWEVER, ANY NECESSARY CHANGES IN THE CONSTRUCTION TO FIT OR SUIT EQUIPMENT SUCH AS CHANGES TO PIPING SIZE, DUCTWORK CONNECTIONS, ELECTRICAL EQUIPMENT AND WIRING, PAD DIMENSIONS, INCLUDING CHANGES TO EQUIPMENT ROOM SIZE TO SUIT NEW EQUIPMENT SHALL BE DONE AT NO EXTRA COST TO THE GOVERNMENT.
7. PROVIDE 1" DUCT LINER TO RETURN DUCTWORK TO PREVENT REDUCE NOISE
8. SUPPLY AND RETURN DUCTWORK SHALL BE INSULATED WITH 1" THK FIBERGLASS INSULATION EXTERNALLY EXTERIOR SAD & RAD SHALL BE INSULATED WITH 2" THK FIBERGLASS STAINLESS STEEL JACKET.
9. COORDINATE WORK WITH PSS & SOLAR PANEL CONTRACTOR TO ENSURE NO DAMAGE TO EXSTG SOLAR PANELS ON ROOF.
10. DUCT DIMENSION SHOWN IS NET INSIDE DIMENSION INCLUDE LINERTHICKNESS FOR TOTAL INSIDE DIMENSION

LEGEND

SYMBOL	ABBREV	DESCRIPTION		
—ACD—	ACD	AIR CONDITION DRAIN	RLA	RATED LOAD AMP
	MVD	MOTORIZED DAMPER	LRA	LOCKED ROTOR AMP
	OAD	OUTSIDE AIR DUCT	EER	ENERGY EFFICIENCY RATIO
	SAD	SUPPLY AIR DUCT	ESP	EXTERNAL STATIC PRESSURE
	RAD	RETURN AIR DUCT		DUCT SMOKE DETECTOR AT RETURN DUCT
	PCU	PACKAGED COOLING UNIT		
	T	THERMOSTAT @ 5'-0 AFF		
	CFM	CUBIC FEET PER MINUTE		
	TYP	TYPICAL		
	TV	TURNING VANES		
	SAR	SUPPLY AIR REGISTER		
	RAR	RETURN AIR REGISTER		
	AFF	ABOVE FIN. FLOOR		
	LSD	LINEAR SUPPLY DIFFUSER		
	EF	EXHAUST FAN		
	E	EXISTING		
	N	NEW		

DEMOLITION NOTES:

1. REMOVE AND REPLACE EXISTING PCU-1, PCU-2 & PCU-4. TURN OVER ALL EQUIPMENT REMOVED TO CONTRACTING OFFICER.
2. REMOVE AND REPLACE EXISTING SAD AND RAD INCLUDING SAR & RAR, AND SUPPORTS.
3. REMOVE AND REPLACE EXISTING SMOKE DETECTORS TO PCU-1 AND PCU-2.
4. PATCH ALL OPENINGS RESULTING FROM REMOVAL WORK THAT WILL NOT BE RE-USED, FINISH PAINT TO MATCH ADJACENT SURFACE.

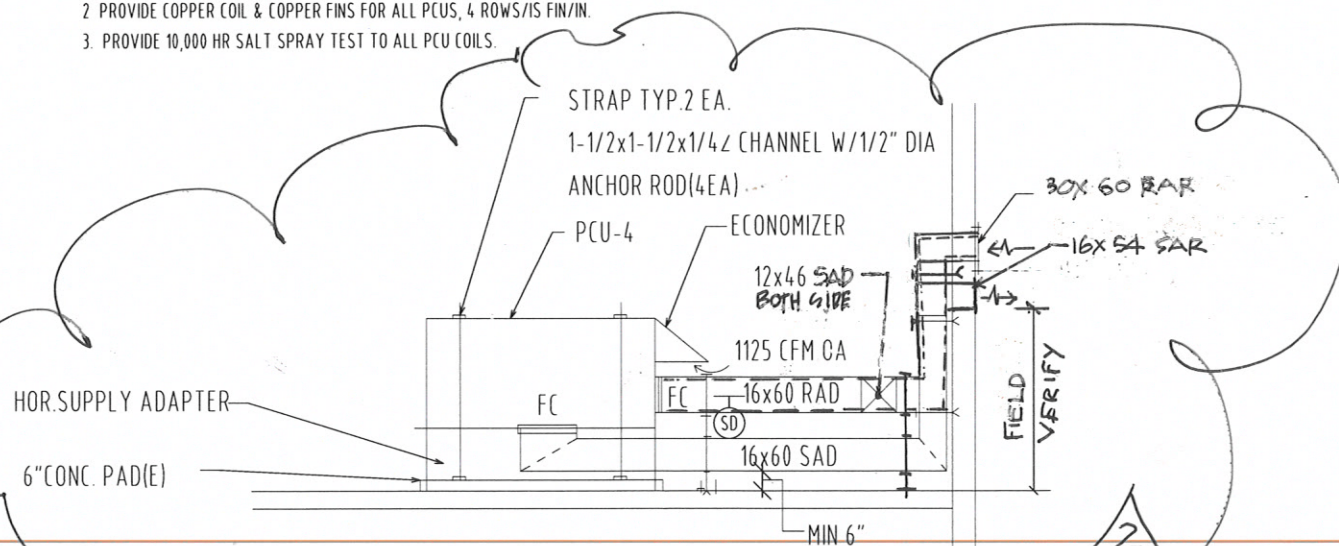
PACKAGED COOLING UNITS SCHEDULE

QTY	MARK	AREA SERVED	SUPPLY AIR (CFM)	OUTSIDE AIR (CFM)	ESP IN IN. WG.	CAPACITY-BTUH		AIR TEMP ENT. EVAP.		AIR TEMP ENTERING CONDENSER °F DB	REFRIGERANT	EER MIN.	EVAP FAN MOTOR HP	COMP. MOTOR RLA	COND. FAN MOTOR FLA	MERV	POWER SUPPLY CHARACTERISTICS			OPERATING WEIGHT LBS.	REMARKS
						TOTAL	SENSIBLE	"F DB	"F DB								VOLTS	PHASE	HERTZ		
1	PCU-1	ISELOBBY	4000	750	0.50	121,700	82,000	80	68	95	R-410A	12.2	3	14.1	2.8	8	460	3	60	1162	BASE BID
2	PCU-2	CONF/CLASS	1600	350	0.50	54,850	34,000	80	68	95	R-410A	13.7	1.5	6.5RLA	1.4	8	460	3	60	764	BASE BID
4	PCU-4	COURT	8800	1125	0.50	251,700	191,800	79	67	95	R-410A	12.2	7.5	RLA=26.7	8.4	8	460	3	60	2010	BASE BID

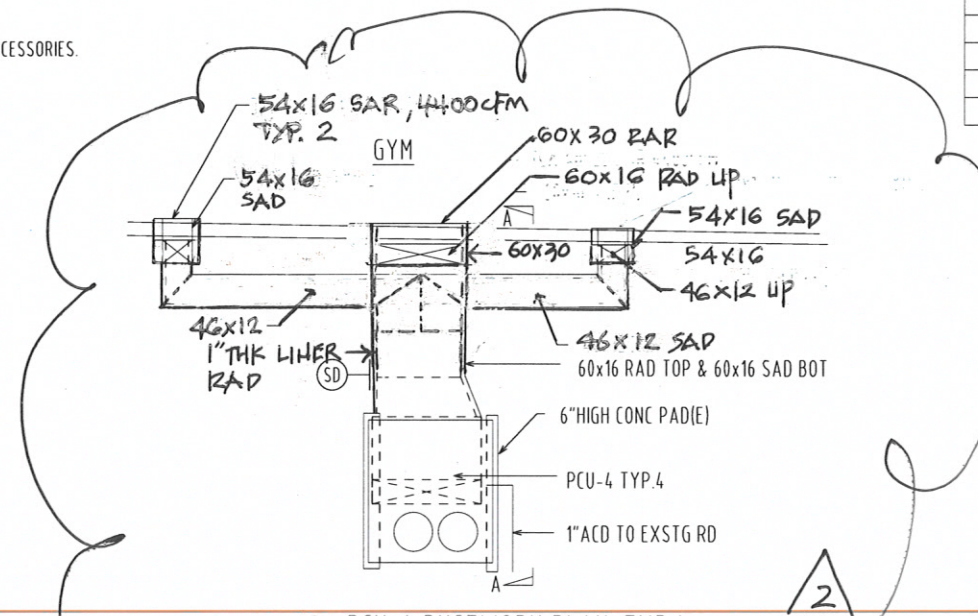
***NOTE:**

1. PCU UNIT SHALL BE COMPLETE WITH COILS, FILTERS, VIBRATION ISOLATORS, ECONOMIZER, VFD, UV LIGHTS, ELECTRONIC PROGRAMMABLE THERMOSTAT TIME GUARD AND STANDARD ACCESSORIES.
2. PROVIDE COPPER COIL & COPPER FINS FOR ALL PCUS, 4 ROWS/IS FIN/IN.
3. PROVIDE 10,000 HR SALT SPRAY TEST TO ALL PCU COILS.

QTY	MARK	CAP. CFM	SP. IN	WATT	VOLT	PH	HZ	REMARKS GREENNECK
4	EF-1	300	1/4	130	115	1	60	MO.SP127
4	EF-2	300	1/4	130	115	1	60	MO.SP127
4	EF-3	300	1/4	130	115	1	60	MO.SP127
1	EF-4	460	1/4	230	115	1	60	MO.SP155
1	EF-5	700	1/4	265	115	1	60	MO.SP155
2	EF-6	120	1/4	120	115	1	60	MO.SP117
1	EF-7	315	1/4	1/4HP	115	1	60	MO. SE1
1	EF-8	350	1/4	1/4HP	115	1	60	MO. SE1



1 SECTION A-A
M-1 SCALE: 3/16"=1'-0"



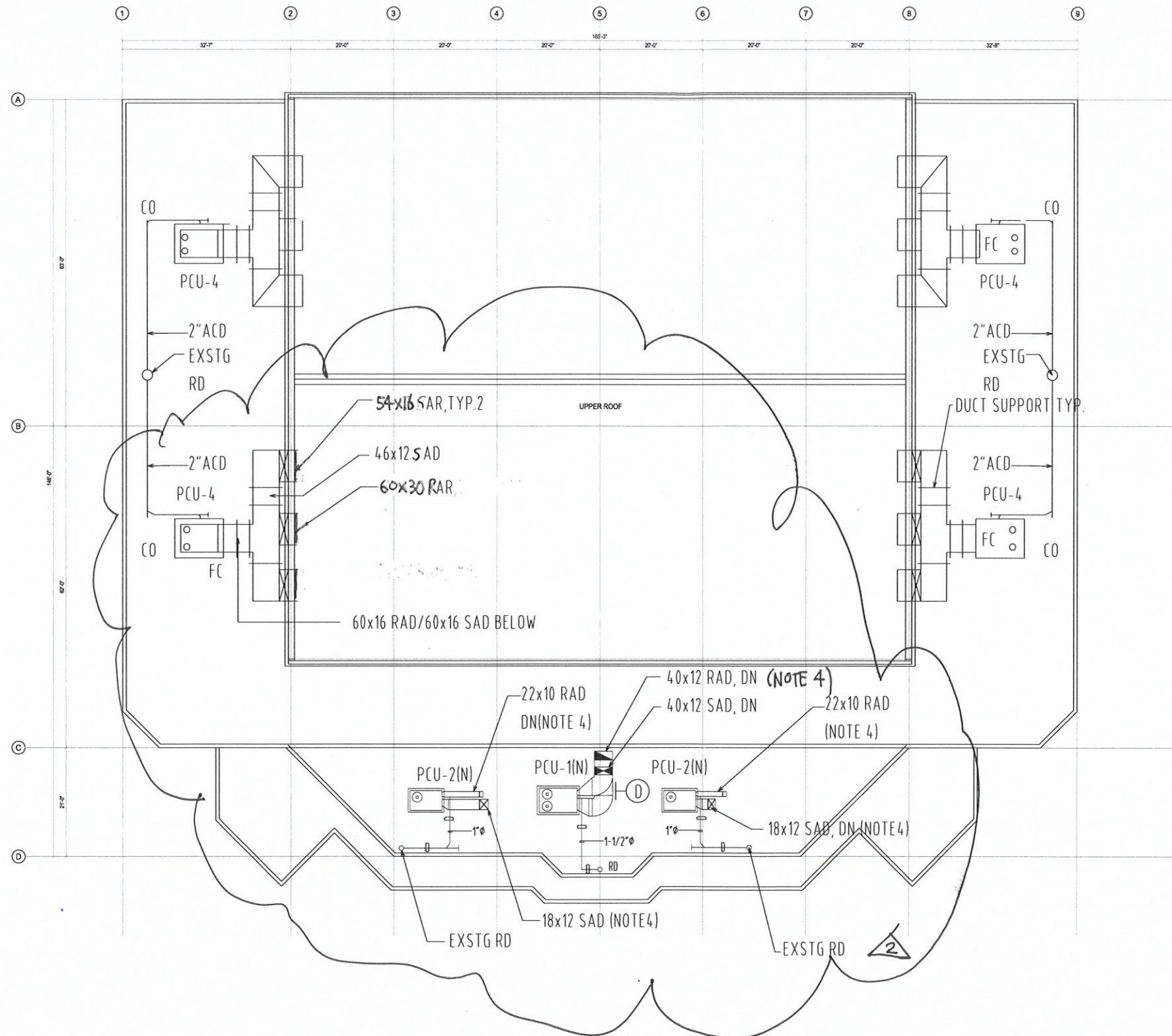
2 PCU-4 DUCTWORK PLAN, TYP.4
M-1 SCALE: 3/16"=1'-0"

PEGS PROJECT MANAGERS
PLANNERS * ENGINEERS

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REVISION	REVISED SAD/RAD & SAR & RAR	RD	8/5/24
PROJECT OWNER: COMMONWEALTH OF THE NORTHERN MARIANA ISLANDS		APPROVED DATE	
PROJECT TITLE: PUBLIC SCHOOL SYSTEM MARIANAS HIGH SCHOOL GYM HVAC PROJECT		DATE	
LOCATION: SAIPAN, CNMI		DATE	


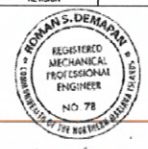
DESIGNED/DRAWN BY: - SHEET CONTENTS: LEGEND/GENERAL NOTES/ EQUIPMENT SCHEDULE, PCU DUCTWORK PLAN & SECT
CHECKED: - PRCL NO.: - SHEET NO./SHEETS: 6 OF 14
APPROVED: - DATE: JUNE 2024
SCALE: AS SHOWN



NOTES:

1. VERIFY SIZES OF EXISTING CONCRETE PAD FOR ALL PCUS. IF NEW PCU REQUIRE LARGER PAD, MAKE ADJUSTMENTS WITHOUT EXTRA COST TO PSS
2. PROVIDE NEW PCU, DUCTWORK, SUPPORTS, FC & DRAIN PIPING. INCLUDING DUCT & PIPING INSULATION
3. STRAP ALL PCU TO CONC. PAD
4. MIN. CLEARANCE OF SAD & RAD FROM ROOF IS 6" (LINER ON RAD, TYP. 2)
5. SEAL WATER TIGHT ALL DUCT PENETRATIONS THRU ROOF.
6. PROVIDE DUCT SMOKE DETECTOR TO RAD DUCT FOR PCU-1 & PCU-4.
7. DUCT WORK SIZES AND OUTLET SIZES ARE SAME FOR ALL PCU-4.
8. MODIFY EXISTING WALL OPENINGS FOR SAR & RAR FOR PCU-4.

1 ROOF AIR CONDITIONING PLAN
M-5 SCALE: 3/32"=1'-0"

 PROJECT MANAGERS PLANNERS * ENGINEERS	
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	PROJECT OWNER: COMMONWEALTH OF THE NORTHERN MARIANA ISLANDS PROJECT TITLE: PUBLIC SCHOOL SYSTEM MARIANAS HIGH SCHOOL GYM HVAC PROJECT LOCATION: SAIPAN, CNMI
DESIGNED/DRAWN BY: - CHECKED: - APPROVED: - SCALE: AS SHOWN	SHEET CONTENTS: ROOF AIR CONDITIONING PLAN PROJ. NO. - DATE: JUNE 2024 SHEET: M-5 10 OF 14