MECHANICAL GENERAL NOTES	<b>MECHANICAL DEMOLITION NOTES</b>
ALL WORK AND MATERIALS SHALL BE PURCHASED AND INSTALLED IN ACCORDANCE WITH ALL NATIONAL & NEW YORK STATE CODES AND	1. CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION OF MECHANICAL EQUIPMENT AND MATERIAL RELATING TO THEIR RESPECTIVE TRADE.
EGULATIONS (AS WELL AS ALL APPLICABLE LOCAL CODES & REGULATIONS). HE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ALL HVAC WORK PROVIDED AND INSTALLED IN STRICT ACCORDANCE WITH SEISMIC EQUIREMENTS.	2. THE CONTRACTOR SHALL REMOVE, RELOCATE, REPLACE, ADJUST, ADAPT AND MODIFY EXISTING EQUIPMENT AND/OR SYSTEMS AS REQUIRED WHEN SUCH WORK IS UNCOVERED AND FOUND TO INTERFERE WITH COMPLETION OF WORK IN THIS
DO NOT SCALE FROM THESE DRAWINGS.	CONTRACT OR OTHER CONTRACT WORK. 3. EXECUTE THE DEMOLITION IN CAREFUL AND ORDERLY MANNER WITH THE LEAST
THE EXACT MOUNTING HEIGHTS AND LOCATIONS OF ALL HVAC EQUIPMENT SHALL BE FIELD VERIFIED AND COORDINATED WITH ALL OTHER MECHANICAL, ELECTRICAL, PLUMBING, FIRE SPRINKLER, ARCHITECTURAL AND STRUCTURAL SYSTEMS. DURING SHOP DRAWINGS SUBMISSIONS, SHOW ALL MOUNTING	POSSIBLE DISTURBANCE TO THE PUBLIC, EGRESS OR THE FUNCTIONING OF THE EXISTING BUILDING. 4. TAKE NECESSARY PRECAUTIONS TO PREVENT DUST AND DIRT FROM RISING BY
HEIGHTS OF DUCTWORK, UNITS, ETC.	WETTING DEMOLISHED DEBRIS. EXCESSIVE USE OF WATER WILL NOT BE PERMITTED.
VERIFY ALL EQUIPMENT VOLTAGES WITH THE ELECTRICAL DESIGN PRIOR TO ORDERING EQUIPMENT. PROVIDE PHASE LOSS PROTECTION FOR ALL POLY-PHASE MOTOR DEVICES.	5. PRIOR TO DEMOLITION, CONTRACTOR SHALL REVIEW WITH OWNER ALL MATERIALS TO BE REMOVED, SHOULD THE OWNER WANT TO KEEP ANY MATERIALS THE CONTRACTOR SHALL REMOVE AND DELIVER THE PARTS TO THE OWNER ON THE SITE WHERE SO DIRECTED. OTHERWISE ALL DEMOLISHED OR REMOVED MATERIALS SHALL
DUCTWORK SHALL BE CONSTRUCTED OF GALVANIZED SHEET STEEL IN STRICT	BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE AND BE DISPOSED OF IN A LEGAL MANNER.
COMPLIANCE WITH THE LATEST EDITION OF THE ASHRAE, NFPA, AND SMACNA GUIDE RECOMMENDATIONS. ALL DUCTS TO HAVE PITTSBURGH TYPE LOCK FOR LONGITUDINAL SEAMS AND DRIVE SLIP / "S" SLIP FOR TRANSVERSE JOINTS. "DUCT-MATE" JOINT SYSTEM IS ACCEPTABLE IN LIEU OF PRIOR SEAM SYSTEMS.	6. DEMOLITION SHALL INCLUDE REMOVAL OF ALL PARTS AND PIECES IN THEIR ENTIRETY BACK TO POINTS INDICATED OR IF NOT INDICATED BACK TO THEIR POINT OF SOURCE.
SIZES AS SHOWN INDICATE INSIDE CLEAR DIMENSIONS OF THE AIR PASSAGE. DUCTWORK SHALL BE FULLY INSULATED AS PER APPLICABLE CODES AND WRITTEN SPECIFICATIONS.	7. WHERE CONDITIONS PROHIBIT TOTAL REMOVAL OF THE WORK, THE REMAINING PORTION SHALL BE CUT FLUSH WITH THE SURROUNDING SURFACE AND BE CAPPED, PLUGGED OR SEALED AND THE SURROUNDING SURFACE SHALL BE REFINISHED IN AN
DUCT SIZES MUST BE VERIFIED FOR CLEARANCES AT THE JOB SITE PRIOR TO FABRICATION. DIMENSIONS MAY BE CHANGED TO ACCOMMODATE	APPROVED MANNER.
CONSTRUCTION AS LONG AS EFFECTIVE CROSS-SECTIONAL AREA IS MAINTAINED. DUCT TRANSITIONS SHALL BE CONSTRUCTED WITH A SLOPE OF 1" TO 4". ALL DEVIATIONS FROM ORIGINAL CONTRACT DRAWINGS SHALL BE REVIEWED BY ENGINEER DURING THE SHOP DRAWING PROCESS.	9. DO NOT REMOVE EXISTING STRUCTURAL WORK. DO NOT REMOVE OPERATIONAL ELEMENTS AND SAFETY-RELATED COMPONENTS IN A MANNER RESULTING IN A REDUCTION OF CAPACITIES TO PERFORM IN THE MANNER INTENDED OR RESULTING IN DECREASED OPERATIONAL LIFE, INCREASED
PROVIDE MANUAL BALANCING DAMPERS AS REQUIRED TO PROPERLY BALANCE EACH INDIVIDUAL AIR DISTRIBUTION SYSTEM. IF THE LOCATION OF THE	MAINTENANCE, OR DECREASED SAFETY. 10. REMOVALS, DISCONNECTIONS, AND RELOCATIONS SHALL BE
BALANCING DAMPER IS NOT DEFINED ON THE DRAWINGS, THE FOLLOWING MINIMUMS STANDARDS SHALL GOVERN. ALL SUPPLY, RETURN, AND EXHAUST MAIN BRANCHES FROM TRUNKS, EACH SPLIT AND ALL SUB- BRANCHES FROM MAIN SHALL INCORPORATE BALANCING DAMPERS.	PERFORMED BY WORKMEN SKILLED IN THE TRADE INVOLVED AND SHALL BE EMPLOYED BY A CONTRACTOR LICENSED IN THE TRADE INVOLVED. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ACCEPTED TRADE PRACTICES.
PROVIDE FLEXIBLE CONNECTORS AT ALL DUCT CONNECTIONS TO VIBRATING EQUIPMENT. THESE CONNECTORS SHALL BE INSTALLED IN CLOSE PROXIMITY	11. PROVIDE ADEQUATE TEMPORARY SUPPORT FOR WORK TO REMAIN, TO PREVENT FAILURE. DO NOT ENDANGER OTHER WORK.
TO SUCH EQUIPMENT. PROVIDE FIRE DAMPERS WITH RATED ACCESS DOORS AT ALL DUCT PENETRATIONS THROUGH FIRE RATED WALLS, SMOKE AND FIRE STOPPING, SHAFT, FLOORS, RATED CEILINGS AND PARTITIONS AS REQUIRED TO MAINTAIN	12. PROTECTION: PROVIDE ADEQUATE PROTECTION WHERE REQUIRED FOR THE PRESENT BUILDING AND ITS CONTENTS. TEMPORARY DUSTPROOF BARRIERS AND BARRICADES SHALL BE ERECTED WHERE REQUIRED FOR PROTECTION OF PERSONNEL, PROTECTION FROM DUST AND DIRT, FOR SECURITY, FIRE AND WEATHER PROTECTIVE REASONS.
ARCHITECTURAL FIRE RATINGS. REFER TO THE ARCHITECTURAL PLANS AND SPECIFICATIONS FOR LOCATIONS AND FIRE RATING REQUIREMENTS. CONTRACTOR MUST FULLY REVIEW ALL ARCHITECTURAL AND ENGINEERING DRAWINGS AND VISIT THE SITE PRIOR TO SUBMITTING THE BID. NO EXTRAS	13. CONTRACTOR SHALL TAKE EVERY PRECAUTION AGAINST FIRE BY EMPLOYING FIRE DEPARTMENT TYPE HOSES AND PORTABLE FIRE EXTINGUISHERS AS REQUIRED BY OSHA AND/OR THE OWNER'S INSURANCE UNDERWRITER.
WILL BE ALLOWED. ALL ACCESS DOORS REQUIRED IN GENERAL CONSTRUCTION ARE TO BE	14. BEFORE STARTING DEMOLITION OPERATIONS, PROVIDE THE NECESSARY PROTECTIVE DEVICES, WHERE REQUIRED, AND IN STRICT ACCORDANCE
PROVIDED AND INSTALLED BY THE CONTRACTOR. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY SIZE, TYPE AND LOCATION OF SUCH DOORS FOR PROPER ACCESS TO ALL CONCEALED HVAC EQUIPMENT, VALVES AND OTHER RELATED EQUIPMENT. THE CONTRACTOR SHALL IDENTIFY THESE	<ul> <li>WITH OSHA RULES AND REGULATIONS.</li> <li>14. USE TEMPORARY ENCLOSURES, OR OTHER SUITABLE METHODS TO LIMIT DUST AND DIRT RISING AND SCATTERING TO LOWEST PRACTICAL LEVEL. COMPLY WITH</li> </ul>
EQUIREMENTS ON A COORDINATED SHOP DRAWING PRIOR TO SYSTEM ABRICATION AND INSTALLATION.	GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION. 15. FIELD VERIFY DEMOLITION REQUIREMENTS AND EXISTING CONDITIONS. DEMOLITION
ALL CEILING MOUNTED EQUIPMENT MUST BE SUPPORTED DIRECTLY FROM BUILDING STRUCTURE WITH COMBINATION SPRING AND NEOPRENE-IN-SHEAR	NOTES ARE INDICATED IN NOTE FORM.
HANGERS AND ROD. PROVIDE SUPPLEMENTARY STEEL AS REQUIRED TO ADEQUATELY SUPPORT THE LOAD.	16. CONTRACTOR SHALL ESTABLISH A PATH OF TRAVEL AND TIME SCHEDULE FOR THE REMOVAL OF ALL DEBRIS AND WASTE, AND HAVE THIS APPROVED BY OWNER. CONTRACTOR IS TO ENSURE THAT ALL CORRIDORS AND PUBLIC AREAS BE KEPT FREE OF OBSTRUCTIONS, DEBRIS, AND ARE TO BE BROOM SWEPT CLEAN AT ALL TIMES.
ALANCING & TESTING COMPANY TO PERFORM THE AIR BALANCING WORK AND SSOCIATED SYSTEM AIR BALANCING REPORT. ALL WORK SHALL BE ERFORMED IN STRICT COMPLIANCE WITH ALL APPLICABLE CODES, EGULATIONS, PLANS AND WRITTEN SPECIFICATIONS. SUBMIT THE FINAL AIR	17. CONTRACTOR SHALL VISIT THE SITE AND BECOME INFORMED AS TO THE CONDITION OF THE PREMISES AND THE EXTENT AND CHARACTER OF WORK REQUIRED. NO ADDITIONAL COMPENSATION WILL BE APPROVED DUE TO FIELD CONDITIONS.
BALANCE REPORT TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO SUBSTANTIAL COMPLETION OF THE PROJECT, AS DETERMINED BY THE AND OWNER/CLIENT. THE AIR BALANCE REPORT MUST INCLUDE ALL SUPPLY, RETURN, & EXHAUST AIR TERMINALS, FRESH AIR (OUTSIDE AIR) INTAKE AND	NYSECC ENERGY COMPLIANCE
VENTILATION EXHAUST CFM RATES FOR ALL UNITS. ALSO INCLUDE ACTUAL SUPPLY & RETURN AIR VELOCITY & STATIC PRESSURE READINGS ALONG WITH ALL MOTOR AMPERAGES FOR ALL UNITS.	STATEMENT:
THE CONTRACTOR IS TO INCLUDE IN THEIR BID ALL LOW VOLTAGE CONTROL	
WIRING, THERMOSTATS, RELAYS, TRANSFORMERS, STARTERS ETC FOR A COMPLETE OPERATING CONTROL SYSTEM AS DESCRIBED IN THE SEQUENCE OF OPERATIONS, THE CONTRACTOR IS ALSO RESPONSIBLE FOR LINE VOLTAGE CONTROL FOR EXHAUST FANS CONTROLLED FROM LIGHT SWITCH AND	PER SECTION C101.7 OF THE 2020 NYSECC HISTORIC BUILDINGS ARE EXEMPT FROM THE REQUIREMENTS OF THE ENERGY CODE.
THERMOSTATS. ALL CONTROL WIRING IN THE AREAS THAT DO NOT HAVE DROPPED CEILINGS THE CONTRACTOR MUST PROVIDE ALL CONTROL WIRING CONDUIT. IN AREAS OF DROPPED CEILING PLENUM RATED CONTROL WIRING	
CAN BE RUN EXPOSED ABOVE CEILING. ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS/SPECIFICATIONS.	
20 NEW YORK STATE BUILDING CODE 20 NEW YORK STATE MECHANICAL CODE 20 NEW YORK STATE ENERGY CONSERVATION CODE	

INFORMATION



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VIF

**HVAC SYMBOL LIST IDENTIFIER** DESCRIPTION 2 EXISTING DUCTWORK OR 5///////5 PIPING TO BE REMOVED EXISTING DUCTWORK OR PIPING TO REMAIN DOUBLE-LINE AND SINGLE-LINE RECTANGULAR DUCT, FIRST 24X12 NUMBER INDICATES SIDE IN VIEW IN INCHES, SECOND NUMBER INDICATES SIDE IN DEPTH IN INCHES FLEXIBLE DUCTWORK REGULAR SUPPLY AIR DUCT ><(UP AND DOWN) REGULAR RETURN AIR DUCT (UP AND DOWN) REGULAR EXHAUST AIR DUCT >< (UP AND DOWN)  $\overline{}$ REGULAR OUTSIDE AIR DUCT  $\checkmark$ (UP AND DOWN) VOLUME DAMPER — VD — — — BD BACKDRAFT DAMPER -<u>BAR</u>S MOTOR OPERATED DAMPER /xxx EQUIPMENT TAG XX 🕈 EQUIPMENT NUMBER XXX X-XXX - DETAIL TAG/CALL OUT TAG MECHANICAL SHEET NUMBER (T) THERMOSTAT EXHAUST GRILLE REFER TO SUPPLEMENTAL F# FIGURE INDICATED BY NUMBER (I.E. F2 REFERS TO FIGURE 2)

**HVAC ABBREVIATIONS IDENTIFIER** DESCRIPTION AC CFM DIRECT EXPANSION AIR CONDITION UNIT CUBIC FEET PER MINUTE COND CONDENSATE CONDENSING UNIT CU CUH CABINET UNIT HEATER DRY BULB DB DN DOWN EXHAUST AIR EA EXHAUST FAN EF EG EXHAUST GRILLE ELECTRIC UNIT HEATER EUH ENERGY EFFICIENCY RATIO EER EG EXHAUST GRILLE FAI FRESH AIR INTAKE GC GENERAL CONTRACTOR MBH THOUSAND BTU PER HOUR PLUMBING CONTRACTOR PC RG **RETURN GRILLE** RTU ROOFTOP UNIT SA SUPPLY AIR SD SUPPLY DIFFUSER TYP. TYPICAL

VERIFY IN FIELD

### **SCOPE OF WORK**

DEMOLITION

- REMOVE TWO (2) EXISTING THRU WALL AC UNITS AS INDICATED. REMOVE ONE (1) EXISTING ROOFTOP FAN AND ASSOCIATED DUCTWORK,
- CONTROLS AND ACCESSORIES. REMOVE TWO (2) EXISTING LOUVERS AS INDICATED. 4. REMOVE ONE (1) EXISTING GRAVITY VENTILATOR AS INDICATED.

CONSTRUCTION

1. PROVIDE ONE (1) EXHAUST FAN AS INDICATED. 2. PROVIDE ONE (1) NEW RAIN RESISTANT LOUVER AS INDICATED.



# **TABLE 1: ENERGY CODE ANALYSIS TABLE FOR MECHANICAL SYSTEMS**

(PER 2020 NYS ENERGY CODE)							
ITEM DESCRIPTION					OTATION		
UNIT TAG	EQUIPMENT TYPE	PROPOSED VALUE	MINIMUM EFFECIENCY	CODE PRECRIBED VALUE AND CITATION	CITATION	SUPPORTING DOCUMENTATION	
SHUTOFF DAMPER	S	GRAVITY/BACKDRAFT DAMPERS PROVIDED IN LIEU OF MOTORIZED DAMPER MOTORIZED DAMPERS PER EXCEPTIONS 1 AND 3	-	BACDRAFT DAMPER INSTALLED AT EXHAUST OPENINGS	C403.7.7	MECHANICAL SCHEDULES AND PLANS	
DUCT LEAKAGE		SMACNA HVAC DUCT LEAKAGE TEST		SMACNA HVAC DUCT LEAKAGE TEST	PER C403	MECHANICAL DWGS. & SPECS	

## **TABLE 2: ENERGY CODE COMPLIANCE INSPECTIONS FOR MECHANICAL SYSTEMS**

	(IIB - MECHANICAL AND SERVICE WATER HEATING INSPECTIONS)							
INSPECTION TEST FREQUENCY REFERENCE STANDARDS INSPECTION DESCRIPTION ECC.								
IIB2	SHUT-OFF DAMPERS	AS REQUIRED DURING INSTALLATION	APPROVED CONSTRUCTION DOCUMENTS	DAMPERS FOR STAIR AND ELEVATOR SHAFT VENTS AND OTHER OUTDOOR AIR INTAKES AND EXHAUST OPENINGS INTEGRAL TO THE BUILDING ENVELOPE SHALL BE VISUALLY INSPECTED TO VERIFY THAT SUCH DAMPERS, EXCEPT WHERE PERMITTED TO BE GRAVITY DAMPERS, COMPLY WITH APPROVED CONSTRUCTION DRAWINGS. MANUFACTURER'S LITERATURE SHALL BE REVIEWED TO VERIFY THAT THE PRODUCT HAS BEEN TESTED AND FOUND TO MEET THE STANDARD.	NYSECC C403.2.4.4, OR ASHRAE 90.1-6.4.3.4			
IIB3	HVAC AND SERVICE WATER HEATING EQUIPMENT	PRIOR TO FINAL MECHANICAL AND CONSTRUCTION INSPECTION	APPROVED CONSTRUCTION DOCUMENTS	EQUIPMENT SIZING, EFFICIENCIES AND OTHER PERFORMANCE FACTORS OF ALL MAJOR EQUIPMENT UNITS, AS DETERMINED BY THE APPLICANT OF RECORD, AND NO LESS THAN 15% OF MINOR EQUIPMENT UNITS, SHALL BE VERIFIED BY VISUAL INSPECTION AND, WHERE NECESSARY, REVIEW OF MANUFACTURER'S DATA. POOL HEATERS AND COVERS SHALL BE VERIFIED BY VISUAL INSPECTION	NYSECC C403.2, C404.2, C404.7, C406.2			
IIB4	HVAC AND SERVICE WATER HEATING SYSTEM CONTROLS	AFTER INSTALLATION AND PRIOR TO FINAL ELECTRICAL AND CONSTRUCTION INSPECTION, EXCEPT THAT FOR CONTROLS WITH SEASONALLY DEPENDENT FUNCTIONALITY, SUCH TESTING SHALL BE PERFORMED BEFORE SIGN-OFF FOR ISSUANCE OF A FINAL CERTIFICATE OF OCCUPANCY	APPROVED CONSTRUCTION DOCUMENTS INCLUDING CONTROL SYSTEM NARRATIVES	NO LESS THAN 20% OF EACH TYPE OF REQUIRED CONTROLS AND ECONOMIZERS SHALL BE VERIFIED BY VISUAL INSPECTION AND TESTED FOR FUNCTIONALITY AND PROPER OPERATION. SUCH CONTROLS SHALL INCLUDE, BUT ARE NOT LIMITED TO, THERMOSTATIC AND ECONOMIZER CONTROLS	NYSECC C403.2.4, C403.2.5.1, C403.2.11, C403.3, C403.4, C404.3, C404.6, C404.7			

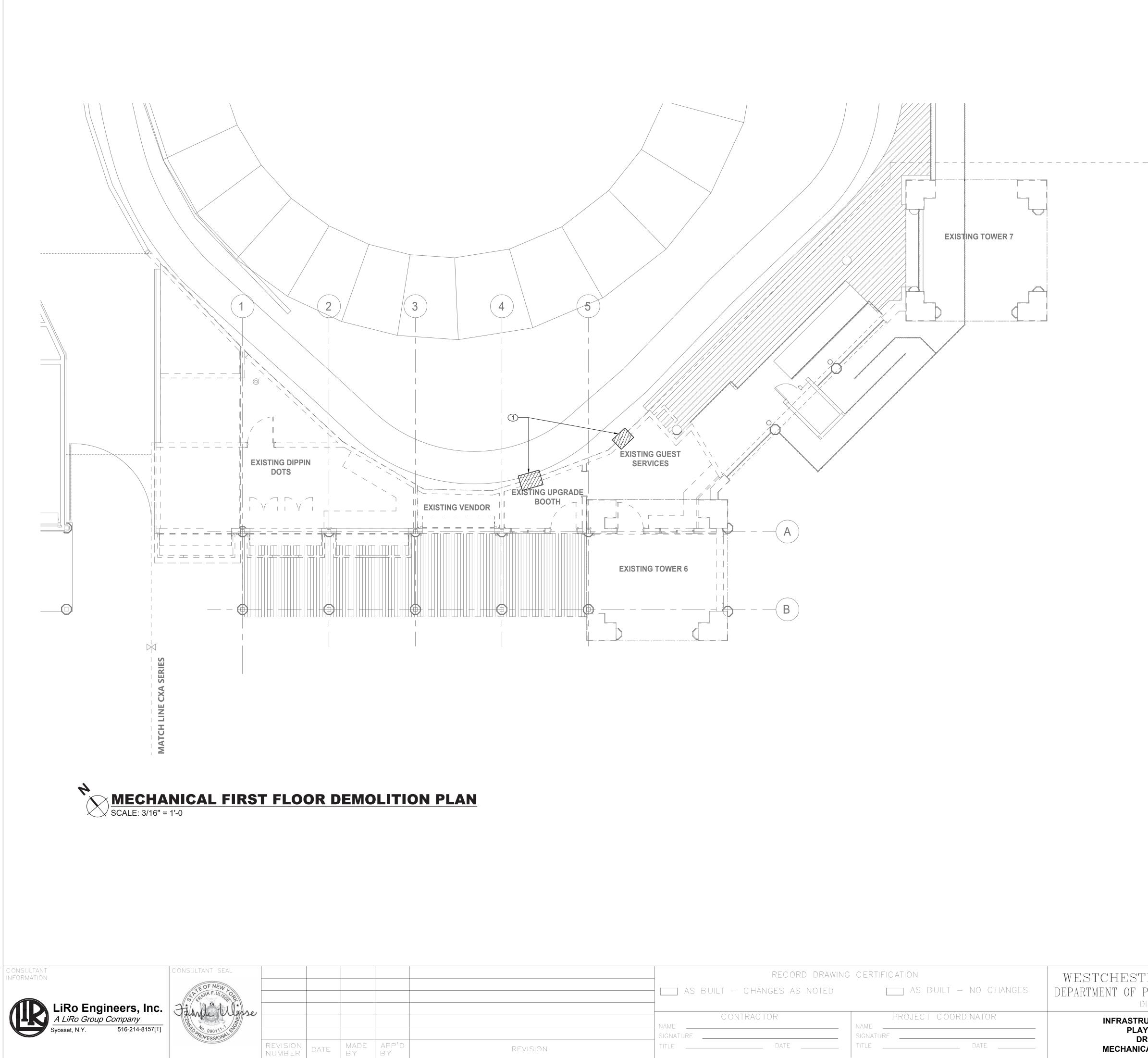
	RECORD DRAWING	CERTIFICATION	WESTCHESTER COUNTY, NEW YORK	CONTRACT SHEET NUMBER NUMBE	ER
	AS BUILT – CHANGES AS NOTED	AS BUILT – NO CHANGES	DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION	22-523 DCV-	M-01
	_		DIVISION OF ENGINEERING	DWG NO.: 468 of 664	
	CONTRACTOR PROJECT COORDINATOR		<b>INFRASTRUCTURE REHABILITATION - PHASE 3</b>	SCALE: AS INDICATED	
	SIGNATURE	NAME	PLAYLAND PARK, RYE, NEW YORK DRAGON COASTER VENDORS	DATE: 08/23/2022	
REVISION	TITLE DATE	TITLE DATE	MECHANICAL NOTES, SYMBOLS & LEGENDS	DPW FILE <b>1-118-M-1217-0</b> NUMBER	REV. <b>O</b> NO. <b>O</b>

MECHANICAL DRAWING LIST						
SHEET NO.	SHEET NAME	REVISON NO.	REVISION DATE			
DCV-M-01	MECHANICAL NOTES, SYMBOLS & LEGENDS	0	-			
DCV-M-11	MECHANICAL 1ST FLOOR DEMOLITION PLAN	0	-			
DCV-M-12	MECHANICAL ROOF DEMOLITION PLAN	0	-			
DCV-M-21	MECHANICAL 1ST FLOOR CONSTRUCTION PLAN	0	-			
DCV-M-22	MECHANICAL ATTIC CONSTRUCTION PLAN	0	-			
DCV-M-61	MECHANICAL SCHEDULES	0	-			
DCV-M-81	MECHANICAL DETAILS & CONTROLS	0	-			

# NATURAL VENTILATION SCHEDULE

SPACE DETAILS			DESIGN			
ROOM	AREA (SF)	4% FLOOR AREA (SF)	WINDOW FREE AREA (SF)	DOOR AREA (SF)	TOTAL OPENABLE AREA (SF)	NOTES
101 VENDOR SPACE	244	10	-	78	78	1,2
103 GUEST SERVICES	208	8	7	21	28	1,2
NOTES:						

1. NEW YORK STATE MECHANICAL CODE. 2. NATURAL VENTILATION OF AN OCCUPIED SPACE SHALL BE THROUGH WINDOWS, DOORS, LOUVERS, AND OTHER OPENINGS TO THE OUTDOORS. THE MINIMUM OPENABLE AREA TO THE OUTDOORS SHALL BE 4 PERCENT OF THE FLOOR AREA BEING VENTILATED.



	RECORD DRAWING	G CERTIFICATION	WESTCHESTER COUNTY, NEW YORK
	AS BUILT – CHANGES AS NOTED	AS BUILT – NO CHANGES	DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING
	CONTRACTOR NAMESIGNATURE	PROJECT COORDINATOR NAME SIGNATURE	INFRASTRUCTURE REHABILITATION - PHASE 3 PLAYLAND PARK, RYE, NEW YORK
REVISION	TITLE DATE	TITLE DATE	DRAGON COASTER VENDORS MECHANICAL FIRST FLOOR DEMOLITION PLAN

#### **GENERAL NOTES:**

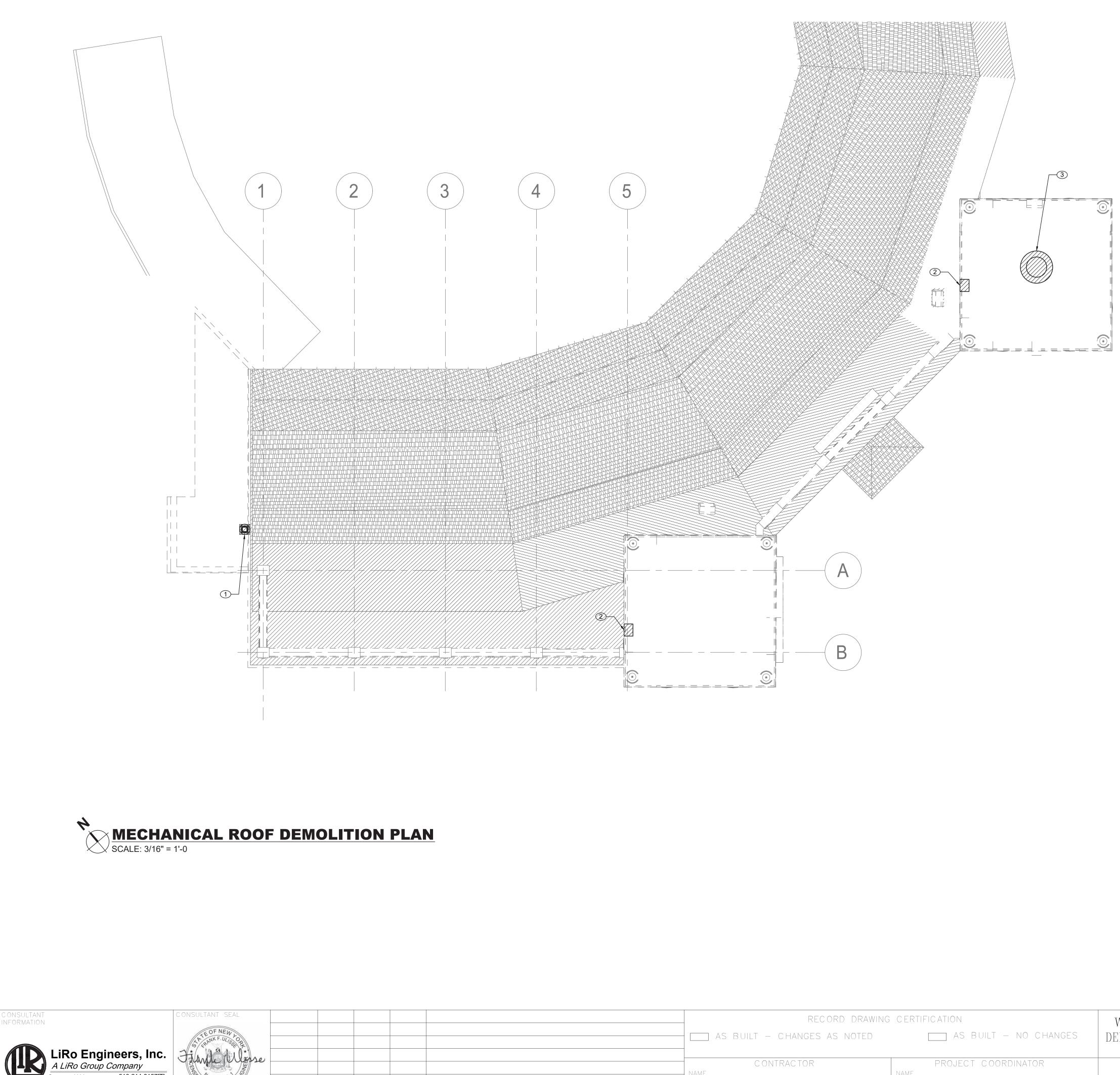
1. RETURN REMOVED EXISTING EQUIPMENT TO OWNER IF IT IS IN WORKING CONDITION.

CONTRACTOR TO COORDINATE WITH FACILITY WHEN WORKING AROUND OR ABOVE THE RIDE COMPONENTS, AND PROVIDE ALL NECESSARY MEASURES TO PROTECT THESE COMPONENTS PER THE REQUIREMENTS OF THE FACILITY.

#### **MECHANICAL DEMOLITION NOTES:**

1 REMOVE EXISTING THRU WALL AC UNIT. IF NO LONGER IN WORKING CONDITION, DISPOSAL SHALL BE IN ACCORDANCE WITH EPA REQUIREMENTS.

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22-523	22-523 <b>DCV-M-11</b>				
DWG NO.: 469 of 664					
SCALE: AS INDICATED					
DATE: 08/23/2022					
DPW FILE NUMBER 1-118-M	-1218-0	REV. NO.	0		



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REVISION DATE MADE APP'D NUMBER DATE BY BY

	_	RECORD DRAWIN	G CERTIF	ICATION	W
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	CONTF	RACTOR	NAME	PROJECT COORDINATOR	
REVISION	SIGNATURE	DATE	SIGNATUR TITLE	RE DATE	_

#### **GENERAL NOTES:**

1. RETURN REMOVED EXISTING EQUIPMENT TO OWNER IF IT IS IN WORKING CONDITION.

2. CONTRACTOR TO COORDINATE WITH FACILITY WHEN WORKING AROUND OR ABOVE THE RIDE COMPONENTS, AND PROVIDE ALL NECESSARY MEASURES TO PROTECT THESE COMPONENTS PER THE REQUIREMENTS OF THE FACILITY.

#### **MECHANICAL DEMOLITION NOTES:**

1 DEMOLISH EXISTING ROOF MOUNTED EXHAUST FAN AND ASSOCIATED DUCTWORK. COORDINATE REMOVAL OF ELECTRICAL POWER AND WIRING WITH ELECTRICAL CONTRACTOR.

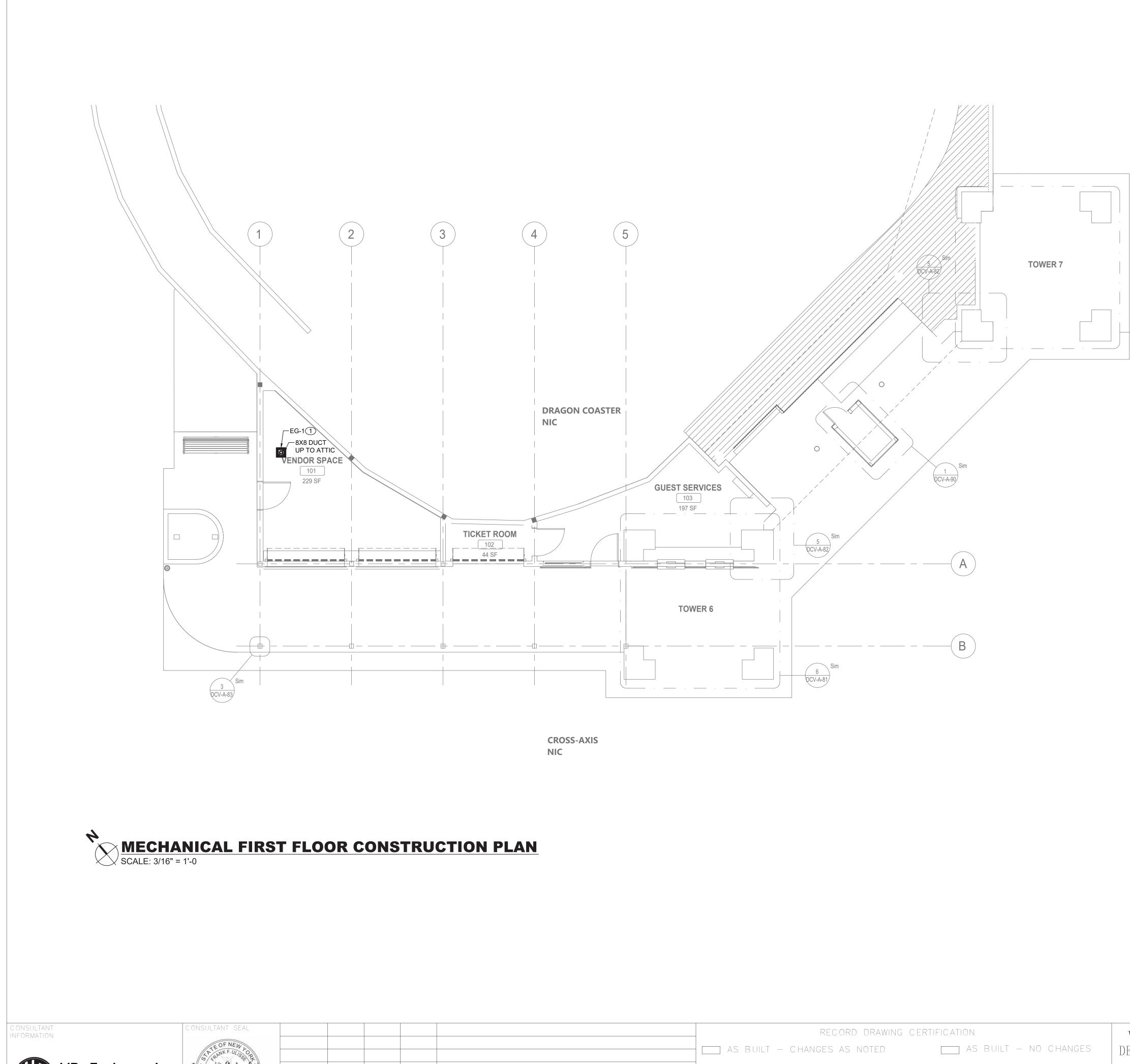
2 DEMOLISH EXISTING LOUVER.

3 DEMOLISH EXISTING GRAVITY VENTILATOR.

VESTCHESTER COUNTY, NEW YORK PARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING

> **INFRASTRUCTURE REHABILITATION - PHASE 3** PLAYLAND PARK, RYE, NEW YORK DRAGON COASTER VENDORS MECHANICAL ROOF DEMOLITION PLAN

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22-523	DCV-M-12
DWG NO.: 470 c	of 664
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REVISION DATE MADE APP'D NUMBER DATE BY BY

REVISION	NAME SIGNATURE DATE	NAME SIGNATURE TITLE	DATE	PLAYLAND PARK, RYE, NEW YORK DRAGON COASTER VENDORS MECHANICAL FIRST FLOOR CONSTRUCTION PLAN
	CONTRACTOR		f coordinator	<b>INFRASTRUCTURE REHABILITATION - PHASE 3</b>
	AS BUILT – CHANGES AS NOTE	D AS F	BUILT – NO CHANGES	DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING
	RECORD DRA	AWING CERTIFICATION		WESTCHESTER COUNTY, NEW YORK



#### **GENERAL NOTES:**

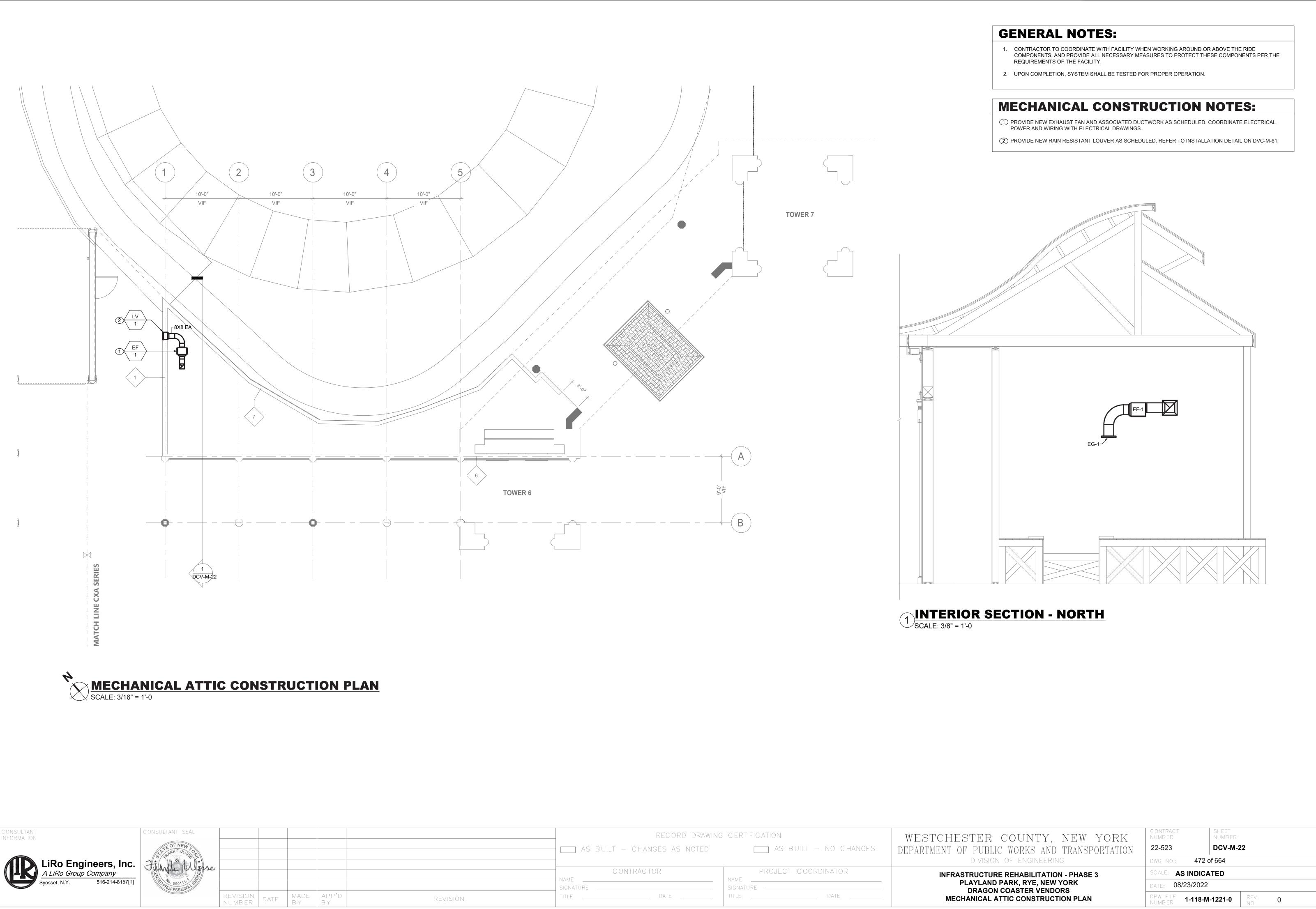
- 1. CONTRACTOR TO COORDINATE WITH FACILITY WHEN WORKING AROUND OR ABOVE THE RIDE COMPONENTS, AND PROVIDE ALL NECESSARY MEASURES TO PROTECT THESE COMPONENTS PER THE REQUIREMENTS OF THE FACILITY.
- 2. UPON COMPLETION, SYSTEM SHALL BE TESTED FOR PROPER OPERATION.

### **MECHANICAL CONSTRUCTION NOTES:**

1 PROVIDE EXHAUST GRILLE AS INDICATED.



C ONTRAC T NUMB ER	SHEET NUMBER
22-523	DCV-M-21
DWG NO.: 471 c	of 664
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	SIGNATURE		SIGNATURE		
REVISION	TITLE	DATE	TITLE	DATE	

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TAG	MANUFACTURER	MODEL	LOCATION	SERVICE	TYPE	DRIVE	AIR FLOW	TSP	
IAG	MANUFACIURER	MODEL	LOCATION	SERVICE	TIPE	DRIVE	(CFM)	(IN. WG)	HP
EF-1	GREENHECK	CSP-A390-VG	VENDOR SPACE 101 ATTIC	VENDOR SPACE 101	CENTRIFUGAL	DIRECT	200	0.20	0.07
NOTES:			•						
1. PROVID	DE ALL CONTACTS,	RELAYS, AND DE	VICES NECESSARY FO	R BMS CONTROL OF FAI	NS PER SEQUENCE	OF OPERAT	FIONS.		
2. PROVID	DE WALL MOUNT SV	VITCH FOR EF-1, F	REFER TO CONTROLS.						
3. PROVID	DE THERMAL OVERL	OAD FOR ALL SIN	IGLE PHASE MOTORS.	à.					
4. PROVID	DE SALT WATER RE	SISTANT HI-PRO F	OLYESTER COATING F	OR ALL FANS.					
5. FAN SH	ALL BE FURNISHED	WITH NON FUSE	D DISCONNECT.						
03									
2				LOUV	ER SCH	EDUL	E		
1	Ĩ	ľ	1		1		<u> </u>	T	

LV-1	GREENHECK	ESD-635	EXHAUST	VENDOR SPACE ATTIC	ALUMINU
NOTES:			5) ()		

SERVICE

1. PROVIDE WITH ALUMINUM BIRD SCREEN AND BACKDRAFT DAMPERS.

TAG MANUFACTURER MODEL

# DIFFUSER SCHEDULE

TAG	MANUFACTURER	MODEL	SERVICE	NECK SIZE (IN)	FACE SIZE (IN)	MOUNTING	CFM	MAX PD (wg)
EG-1	TITUS	50F	GENERAL EXHAUST	8X8	11.75X11.75	LAY-IN / GYP	177-354	0.05
NOTES:	ia à	ē		a.	ಕೆ ಚ	5 × 2		ά.

LOCATION

1. COORDINATE AND CONFIRM CEILING AND/OR WALL MOUNT (T-BAR, SURFACE, REINFORCEMENT, ETC) WITH ARCHITECTURAL RCP AND WALL CONSTRUCT 2. PROVIDE WITH MOLDED INSULATION BLANKET.

3. INTEGRAL VOLUME DAMPERS NOT ACCEPTABLE. VOLUME DAMPERS PROVIDED BY MECHANICAL CONTRACTOR ON ALL RUN-OUTS. EXCEPTIONS REQUIRE APPROVAL WHEN REQUIRED. 4. PROVIDE ALL ALUMINUM CONSTRUCTION VERSION FOR GRDS LOCATED IN GYM, BATHROOM, LOCKER, SHOWER AREAS, AND IMAGING/MRI ROOMS.

C ONSULTANT INFORMATION



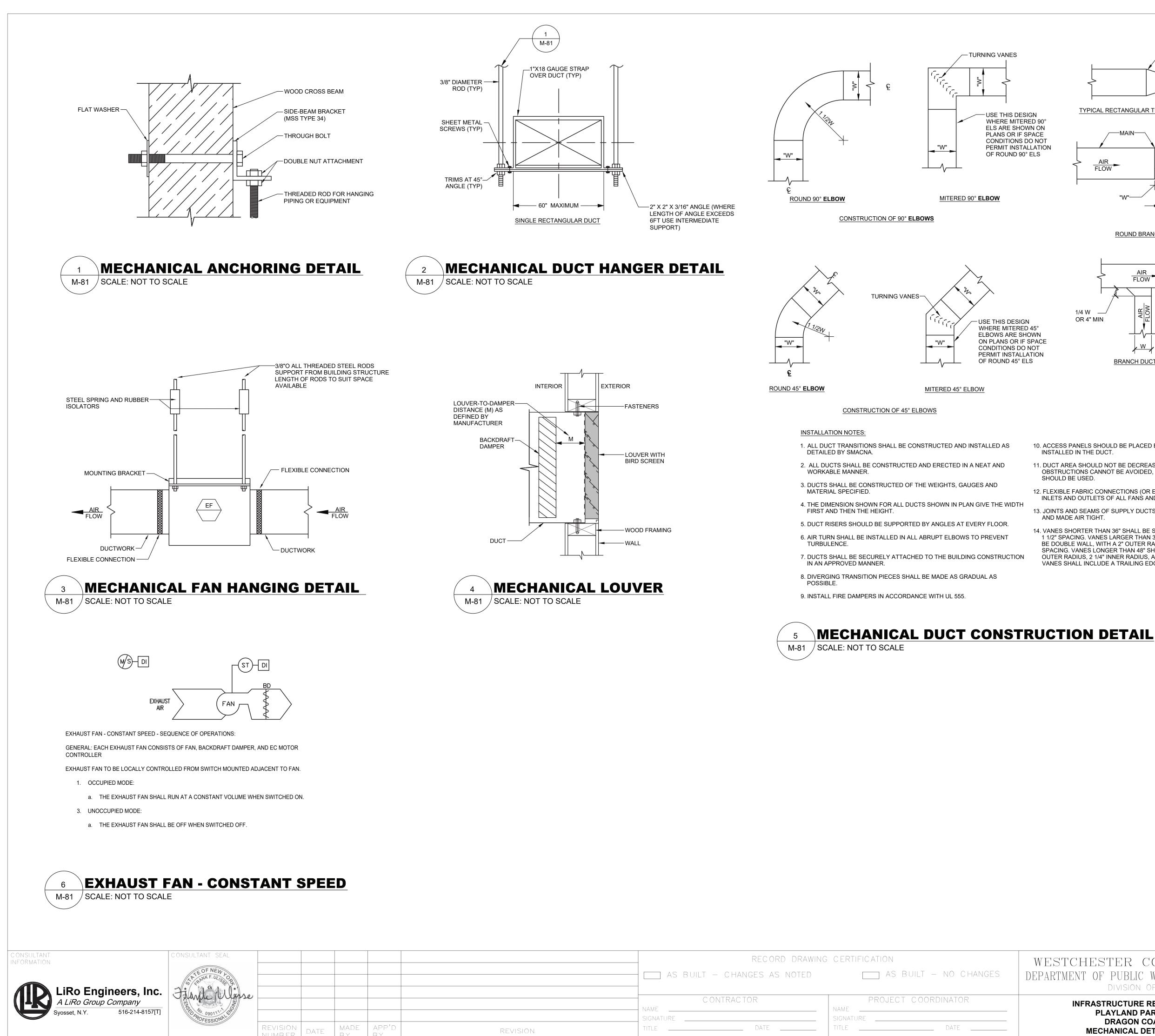
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REVISION NUMBER	DATE	MADE B Y	APP'D By	

	FAN	FAN SCHEDULE		N SCHEDULE								
_	TYPE	DRIVE	AIR FLOW	TSP		ELEC	TRICA	L	OPERA		DIMENSIONS DxWxH	NOTES
	1165	DRIVE	(CFM)	(IN. WG)	HP	BHP	RPN	V-PH-H	the second second second		(IN)	NOTES
E 101	CENTRIFU	GAL DIRECT	200	0.20	0.07	0.03	887	115-1-6	60 24	,	12X14X11	1-5
		I		I		1						1
OF FA	NS PER SEQU	JENCE OF OPERA	TIONS.									
UV	ER SO	CHEDUL	.E									
	MATERIAL	FINISH TYPE	WIDTH (INCH	) HEIGHT	(INCH)	FREE AI VELOCIT (FPM)	TY	PRESSURE DROP (IN. WG)	MINIMUM FREE AREA (SQUARE FEET)	NOTES		
TIC	ALUMINUM	BAKED ENAMEL	12	12		1053		0.14	0.19	1		
	8	n.			22				10 (o		-	

	MAX VELOCITY (FPM)	MAX NC	NOTES
	600	20	1, 3, 4
T	ON BEFORE C	RDERING.	

REVISION	TITLE DATE	TITLE DATE	MECHANICAL SCHEDULES	DPW FILE <b>1-118-M-1222-0</b> REV. 0	
	SIGNATURE	SIGNATURE	PLAYLAND PARK, RYE, NEW YORK DRAGON COASTER VENDORS	DATE: 08/23/2022	
	C ONTRAC TOR	PROJECT COORDINATOR	<b>INFRASTRUCTURE REHABILITATION - PHASE 3</b>	SCALE: AS INDICATED	
			DIVISION OF ENGINEERING	DWG NO.: 473 of 664	
	AS BUILT – CHANGES AS NOTED	AS BUILT – NO CHANGES	DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION	22-523 <b>DCV-M-61</b>	
	RECORD DRAWIN	NG CERTIFICATION	WESTCHESTER COUNTY, NEW YORK	CONTRACT SHEET NUMBER NUMBER	



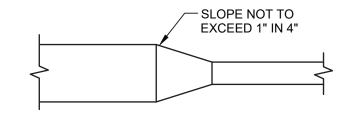
REVISION

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	CONTRACTOR NAMESIGNATURE	PROJECT COORDINATOR	
REVISION	TITLE DATE	TITLE DATE	



TYPICAL RECTANGULAR TRANSITION

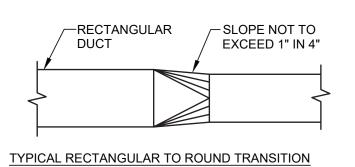
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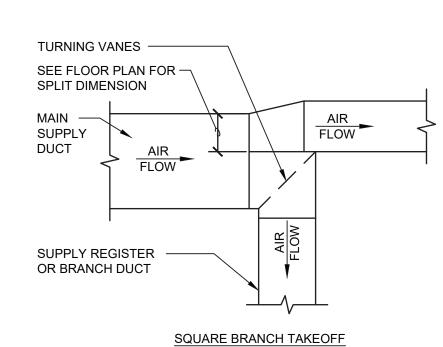
"W"—

AIR FLOW

1/4 W

OR 4" MIN





BRANCH DUCT TAKEOFF

ROUND BRANCH TAKEOFF

FLOW

CONSTRUCTION OF TAKEOFFS

BRANCH

– MAIN SUPPLY

DUCT

10. ACCESS PANELS SHOULD BE PLACED BEFORE AND/OR AFTER EQUIPMENT INSTALLED IN THE DUCT.

11. DUCT AREA SHOULD NOT BE DECREASED MORE THAN 10 PERCENT WHEN OBSTRUCTIONS CANNOT BE AVOIDED, AND THEN A STREAMLINED FITTING SHOULD BE USED.

12. FLEXIBLE FABRIC CONNECTIONS (OR EQUAL) SHOULD BE USED ON BOTH INLETS AND OUTLETS OF ALL FANS AND AIR HANDLING UNIT.

13. JOINTS AND SEAMS OF SUPPLY DUCTS SHALL BE FASTENED SECURELY AND MADE AIR TIGHT.

14. VANES SHORTER THAN 36" SHALL BE SINGLE WALL, WITH A 2" RADIUS AND 1 1/2" SPACING. VANES LARGER THAN 36" AND SHORTER THAN 48" SHALL BE DOUBLE WALL, WITH A 2" OUTER RADIUS, 1" INNER RADIUS, AND 2 1/8" SPACING. VANES LONGER THAN 48" SHALL BE DOUBLE WALL, WITH A 4 1/2" OUTER RADIUS, 2 1/4" INNER RADIUS, AND 3 1/4" SPACING. NO TURNING VANES SHALL INCLUDE A TRAILING EDGE.

ESTCHESTER COUNTY, NEW YORK ARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING

**INFRASTRUCTURE REHABILITATION - PHASE 3** PLAYLAND PARK, RYE, NEW YORK DRAGON COASTER VENDORS MECHANICAL DETAILS AND CONTROLS

C ONTRAC T NUMBER	SHEET NUMBER				
22-523	DCV-M-81				
DWG NO.: 474 c	of 664				
SCALE: AS INDICATED					
DATE: <b>08/23/2022</b>					
DPW FILE NUMBER 1-118-M	I-1223-0 REV. 0				