Salt Lake City Department of Airports

SALT LAKE CITY **INTERNATIONAL AIRPORT**

CONSTRUCTION DOCUMENTS

NATIONAL WEATHER SERVICE BUILDING GENERATOR & UPS REPLACEMENT

PROJECT NO. 54 8201 1826



MAYOR OF SALT LAKE CITY **ERIN MENDENHALL** EXECUTIVE DIRECTOR OF AIRPORTS **BILL WYATT**

ENGINEERING DIVISION SALT LAKE CITY INTERNATIONAL AIRPORT

P.O. BOX 145550 SALT LAKE CITY, UTAH 84114-5550

ROBERT S. BAILEY. PE **CIVIL ENGINEERING MANAGER**

DATE

DRAWING EGOO PROJECT 54 8201 182 1 OF 13 SHEET



GENERAL PROJECT NOTES			ELECTRICAL SYMBOL SCHEDULE	<u>E GENE</u>	RAL N	OTE
CTOR SHALL FOLLOW THE PANELBOARD SCHEDULES AS INDICATED IN THE DRAWINGS. NO DEVIATION WILL BE THOUT WRITTEN APPROVAL FROM THE ELECTRICAL ENGINEER.			TLETS, DEVICES, AND EQUIPMENT AT HEIGHTS INDICATED BELOW, UNLE O OTHERWISE, HEIGHTS ARE GIVEN FROM FINISHED FLOOR TO CENTER			VISE OI
M THE CONTRACTOR SHALL INSTALL THE WIRE SIZE AS CALLED OUT ON THE DRAWINGS. HOWEVER, THE R IS RESPONSIBLE TO ENSURE THE WIRE IS SIZED LARGE ENOUGH TO ALLOW FOR VOLTAGE DROP.	2. WHERE O REQUIRE		TS, DEVICES, AND EQUIPMENT ARE NOTED BY SUBSCRIPTS, REFER TO A S.	\BBREVIA ⁻	FION SCHE	EDULE
DRAWINGS ARE BASED ON INFORMATION PROVIDED ON EXISTING AS-BUILT DRAWINGS AND FIELD SURVEY. THE R TO FIELD VERIFY ALL EXISTING CONDITIONS, MATERIALS, FINISHES, AND DIMENSIONS BEFORE AND AFTER CONSTRUCTION. THE CONTRACTOR TO VERIFY ALL EXISTING ELECTRICAL UTILITIES PRIOR TO DEMOLITION OR	3. NOT ALL E	ELECT	RICAL SYMBOLS MAY BE USED.			
		,	GEAR AND CONTROL SYM	1BOLS		J
CTOR SHALL ENSURE THAT ALL AREAS OUTSIDE OF CONSTRUCTION AREA ARE KEPT CLEAN AND CLEAR OF DEBRIS ICTIONS AT ALL TIMES.	SYMBOL	DE{	SCRIPTION		MOUN	ITING
RUCTURAL ELEMENTS PRIOR TO CUTTING AND CORE DRILLING. STRUCTURAL STEEL SHOULD BE LOCATED BY USING	\$ ⊤		UAL STARTER WITH THERMAL OVERLOAD(S)		AT EQU	JIPMEN
ICTIVE TESTING PROCEDURES SUCH AS GROUND PENETRATING RADAR (RADIO FREQUENCY) OR OTHER APPROVED	ф Ъ					
			FUSED DISCONNECT SWITCH			60" 60"
ND DEVICES ASSUMED TO CONTAIN HAZARDOUS MATERIALS ARE TO BE DISPOSED OF AT A FACILITY THAT IS Y STATE AND FEDERAL ENVIRONMENTAL AGENCIES TO ACCEPT THESE ITEMS FOR DISPOSAL BY THE PROJECT			UIT BREAKER AND ENCLOSURE			60"
R. MATERIALS TO BE REMOVED FROM THE PROJECT SITE FOR DISPOSAL ARE TO BE REPACKAGED IN THE OF THE REPLACEMENT LIGHTING TUBE BOXES TO HELP ENSURE AGAINST DAMAGE AND BREAKAGE.						AT +72"
ANIZED RIGID STEEL CONDUIT WHERE CONDUIT IS SUBJECT TO VEHICULAR DAMAGE (0-10' AFF) AND WHERE IT IS POTENTIAL DAMAGE OR WEATHER.			TING AND APPLIANCE PANELBOARD (FLUSH-MOUNTED)			AT +72" AT +72"
ERMEDIATE JUNCTION / PULLBOXES AS REQUIRED BY NEC CODE.		P0W	ER DISTRIBUTION PANELBOARD/AUTOMATIC TRANSFER SWITCH			11 +72
J TAPE FOR ALL RACEWAY EXCEEDING 100' PRIOR TO WIRE PULLS. MARK AS-BUILT DRAWINGS WITH RACEWAY			ELECTRONIC SYSTEM GENERA	L SYMI	30LS	
	SYMBOL		DESCRIPTION	MOU	NTING	
INIMUM OF 7 DAY NOTICE FOR ALL UTILITY AND DISTRIBUTION BOARD SHUTDOWNS. COORDINATE WITH THE OWNER.			ELECTRONIC SYSTEM PANELBOARD	тор	AT 72"	
R SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL SAFETY AND ENVIRONMENTAL REGULATIONS.			(SURFACE MOUNT)		1172	ELE
CTOR SHALL CONFINE CONTRACTOR'S EMPLOYEES AND EQUIPMENT TO THE PROJECT WORK AREA.	г PAN	IEL		1		
RS REQUIRING DIMENSIONS NOT NOTED, SHALL CONTACT THE ENGINEER FOR SUCH INFORMATION PRIOR TO 3 WITH THE WORK IN QUESTION. MOST, BUT NOT ALL UNDERGROUND UTILITIES ARE SHOWN IN THEIR APPROXIMATE 1 THE DRAWINGS.		ΊE	ELECTRONIC SYSTEM PANELBOARD (FLUSH MOUNT)	TOP	AT 72"	S'
CTOR SHALL INFORM ALL UTILITY OWNERS 48 HOURS PRIOR TO ANY EXCAVATION THAT MIGHT AFFECT THESE			BRANCH CIRCUITING SYM	IBOLS		
DAMAGE TO EXISTING UTILITIES IS CAUSED AS A RESULT OF THE CONTRACTOR'S OPERATIONS, THE UTILITIES SHALL ELY REPAIRED TO THE SATISFACTION OF THE OWNER AT THE EXPENSE OF THE CONTRACTOR. PROVIDE POTHOLING	SYMBOL	T	DESCRIPTION			
ESSARY TO DETERMINE EXISTING UTILITY LOCATIONS.		1	CIRCUIT, 2 WIRE BRANCH CIRCUIT HOME RUN TO PANEL		ARROW OF CIRC	
F BY THE CONTRACTOR. THE COSTS FOR EXCAVATING, HAULING, AND DISPOSING OF THE EXCAVATED MATERIAL CLUDED IN THE CONTRACT UNIT PRICE FOR EACH TYPE OF EXCAVATION IDENTIFIED AS AN ITEM OF WORK IN THE ID SCHEDULE.		2	CIRCUIT, 3 WIRE BRANCH CIRCUIT HOME RUN TO PANEL		AND/OR GREATE	NDICAT R SWITC
CTOR SHALL MAINTAIN A BROOM CLEAN CONDITION ON ALL PUBLIC AND AIRPORT ROADS USED FOR THE R'S HAULING OPERATION. THE CONTRACTOR SHALL REPAIR AND RESTORE THE ROAD SURFACE, IF DAMAGED AS A CONTRACTOR'S OPERATIONS, TO THE SAME CONDITION AS EXISTED PRIOR TO THE START OF CONSTRUCTION AT CTOR'S OWN EXPENSE. ANY DAMAGE TO AIRPORT APRONS, RUNWAYS, OR TAXIWAYS AS A RESULT OF R'S OPERATIONS, WILL ALSO BE REPAIRED IN A LIKE MANNER.	┤╫╼╼╼	- 3	CIRCUIT, 4 WIRE BRANCH CIRCUIT HOME RUN TO PANEL		LONG C LINES IN CONDUC RUNS.	NDICAT ICTORS
CTOR SHALL MEET ALL OPERATING REQUIREMENTS OF THE CONSTRUCTION SAFETY AND SECURITY COMPLIANCE THE SLCIA (LATEST EDITION). CONTRACTOR TO SUBMIT A FOD (FOREIGN OBJECT DEBRIS) PLAN MINIMUM OF 72 R TO CONSTRUCTION.			ULTIPLE WIRE BRANCH CIRCUITING BETWEEN FIXTURES, WITCHES, DEVICES, ETC.		GROUNI GROUNI REQUIR SPECIFI	ICTORS ID CONI RED AS
CTOR SHALL ADHERE TO ALL COUNTY, CITY, STATE AND AIRPORT TRAFFIC REGULATIONS CONCERNING THE USE OF ROADS FOR HAULING.		<u> </u>				
ROUND CONDUITS ENTERING EQUIPMENT, JUNCTION BOXES, AND LIKE SYSTEMS INSIDE OR OUTSIDE SHALL BE I AN APPROVED MATERIAL OR FITTING IN COMPLIANCE WITH NEC ARTICLE 300.5(G) AND CONTRACT DOCUMENTS.	o	+	RANCH CIRCUITING (U.N.O.) TURNED UP OR TOWARDS OBSERVER.		<u> </u>	
HROAT CONNECTORS OR PLASTIC BUSHINGS SHALL BE UTILIZED FOR ALL CONDUIT SIZES USED ON THIS PROJECT.			WAY FROM OBSERVÈR.		<u> </u>	
NEUTRAL CONDUCTOR WILL BE PROVIDED FOR ALL CIRCUITS.	<u></u>	BF	RANCH CIRCUITING (U.N.O.) CONTINUATION		<u> </u>	
CTOR SHALL LABEL ALL ELECTRICAL EQUIPMENT AS IT IS CALLED OUT N THE SPECIFICATIONS.			ONDUIT STUB-IN		<u> </u>	
CTOR SHALL PATCH, REPAIR, AND SEAL OF ALL PENETRATIONS TO THE EXISTING STRUCTURE AND INCLUDING ANY		IN	ICOMING SERVICE			
NG DAMAGE.	Ū	JL	JNCTION BOX			BSCRIP OOR BO
MOLITION NOTES:						
LLY NOTED OTHERWISE, REMOVE ALL ELECTRICAL ITEMS SHOWN IN DARK & DASHED LINES. ITEMS SHOWN IN LIGHT & /ITH ABBREVIATION (E) ARE TO REMAIN. DEMOLITION ITEMS ARE SHOWN TO GIVE A BASIC DESCRIPTION OF THE ITION WORK, BUT MAY NOT BE INCLUSIVE. PROVIDE DEMOLITION WORK IN ACCORDANCE WITH THE FOLLOWING						
REMOVE ANY/ALL FIXTURES, DEVICES, EQUIPMENT, ETC. REQUIRED FOR PROPER COMPLETION OF THE WORK OR NOT.						
E, AND/OR RECONNECT ANY/ALL FIXTURES, DEVICES, EQUIPMENT, ETC. THAT FOR ANY REASON OBSTRUCTS						

. LEAVE ALL EXISTING FIXTURES, DEVICES, EQUIPMENT, ETC. IN PORTIONS OF THE SITE NOT BEING REMODELED, IN WORKING CONDITION. RESTORE ALL INTERRUPTED BRANCH CIRCUITS, FEEDERS, ETC.

5. REMOVE AND DISPOSE OF ALL RACEWAYS, CONDUCTORS, BOXES, DEVICES, EQUIPMENT, ETC. THAT ARE NOT TO BE REUSED.

6. COORDINATE WITH OWNER WHAT EQUIPMENT SHOULD BE DISPOSED OF AND WHAT EQUIPMENT IS TO BE RETURNED TO OWNER.

REVISIONS				
REMARKS	BY	APV	DESIGNED	YN
			DRAWN	<u>YN</u>
			CHECKED	AR
			DATE	10/31/2022



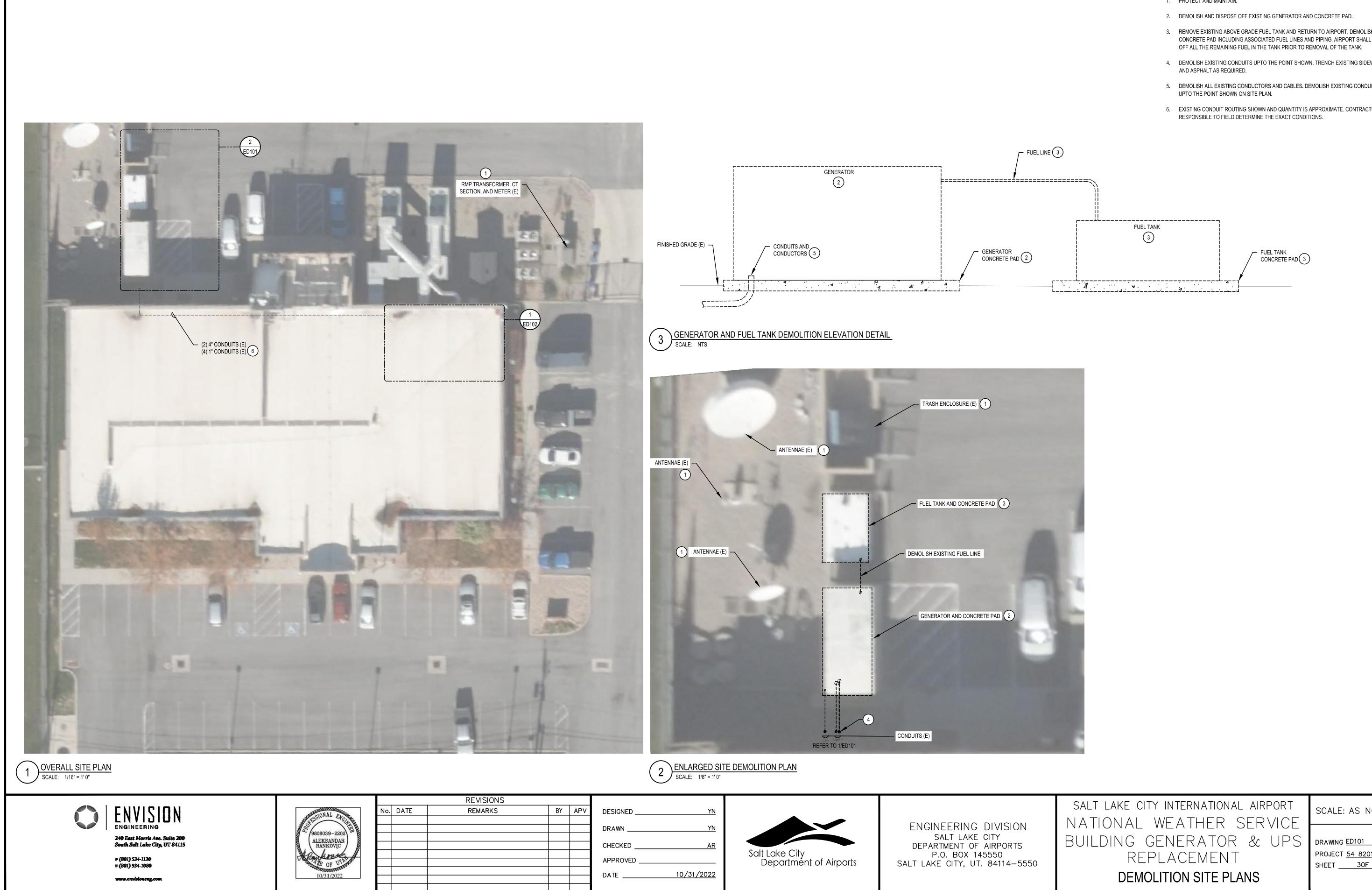
ENGINEERING DIVISION SALT LAKE CITY DEPARTMENT OF AIRPORTS P.O. BOX 145550 SALT LAKE CITY, UT. 84114–5550

		1			
<u>ES</u>			ELECTRIC	CAL SHE	ET INDEX
ON THE	DRAWINGS.		G001 COVER SHEET G100 SYMBOLS, INDEX, AND VICINITY M.	AP	
LE FOR I	DEFINED		D101 DEMOLITION SITE PLANS D102 DEMOLITION FLOOR PLANS		
			S101ELECTRICAL SITE PLANSS102ELECTRICAL FLOOR PLANS		
		EF	P501 DETAILS P502 SCHEDULES P801 DEMOLITION ONE-LINE DIAGRAM		
G IENT	REMARKS		P802 NEW ONE-LINE DIAGRAM P803 SWITCHOVER PLANS		
			MECHANICAL LEGEND, SYMBOLS,MECHANICAL PLANS	AND ABBRE∖	/IATIONS
72"	20"W X 6"D				
72"	20"W X 6"D		ABBREVI		
72"			NOTE: NOT ALL A		
		A A ADJ	ABOVE COUNTER AMP OR AMPS ADJACENT	ISO KVA KW	ISOLATED KILO VOLT AMPERES KILOWATTS
	REMARKS	AFF	ABOVE FINISHED FLOOR	LFMC	LIQUID-TIGHT METAL CONDUIT
		AHJ AL	AUTHORITY HAVING JURISDICTION	LFNC MCA	LIQUID-TIGHT NONMETAL CONDUIT MINIMUM CIRCUIT AMPS
ELECTRO	NIC SYSTEMS MAY INCLUDE BUT	BAS C	BUILDING AUTOMATION SYSTEM	MLO N.C.	MAIN LUGS ONLY NORMALLY CLOSED
	OT SPECIFICALLY LIMITED TO, NE, DATA, TELEVISION, LIGHTING	СВ	CIRCUIT BREAKER	N.I.C.	NOT IN CONTRACT
CONTROL	, CLOCKS, FIRE ALARM, ACCESS	CKT C.O.'S	CIRCUIT CONVENIENCE OUTLETS	N.L. N.O.	NIGHT LIGHT NORMALLY OPEN
	ROL, SECURITY, CCTV, SOUND M, NURSE CALL, OR INTERCOM.	CU	COPPER	0.C.	ON CENTER(S)
- / /	,	EA ELEC	EACH ELECTRICAL	OCP QTY	OVER CURRENT PROTECTION QUANTITY
		EM	EMERGENCY	R	REMOVE
		EMT ENT	ELECTRIC METALLIC TUBING ELECTRIC NONMETALLIC TUBING	REQ. RMC	REQUIREMENTS RIGID METAL CONDUIT
REN	IARKS	EQUIP	EQUIPMENT	RNC	RIGID NONMETALLIC CONDUIT
	OF ARROWS INDICATES NUMBER	EWC E, EX	ELECTRIC WATER COOLER EXISTING	RR SS	REMOVE AND RELOCATE SURGE SUPPRESSION
'S REQUI	RED.	EXP	EXPLOSION PROOF	SCP	SECURITY CONTROL PANEL
	S: NUMBER OF SHORT CROSS	FA FACP		TR TYP	
	JMBER OF PHASE, TRAVELER, CONDUCTORS REQUIRED IF	FLA	FIRE ALARM CONTROL PANEL FULL LOAD AMPS	TVSS	TYPICAL TRANSIENT VOLTAGE SURGE SUPPRESSOR
HAN 1 (C		FMC	FLEXIBLE METAL CONDUIT	UF	UNDER FLOOR
	NUMBER OF LONG CROSS	FOB GND	FREIGHT ON BOARD GROUND CONDUCTOR	UG U.N.O.	UNDERGROUND UNLESS NOTED OTHERWISE
ATES NU	JMBER OF NEUTRAL	HOA	HAND-OFF-AUTO	W/	WITH
IKS REQU	JIRED FOR MULTI-WIRE HOME	HP IG	HORSE POWER ISOLATED GROUND	WP XFMR	WEATHER PROOF TRANSFORMER
		IMC	INTERMEDIATE METAL CONDUIT		
	D AND ISOLATED GROUND JIPMENT GROUND AND ISOLATED	INS	INSULATED		
	ORS ARE NOT SHOWN, BUT ARE				
AS NOTE TIONS.	D ON THE DRAWINGS OR IN THE				
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CA	P AND MARK				
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Mol		4			
	NT AS NOTED. NDICATES TO PROVIDE A				
	TH BLANK COVERPLATE				
		_			

SALT LAKE CITY INTERNATIONAL AIRPORT NATIONAL WEATHER SERVICE BUILDING GENERATOR & UPS drawing <u>eg100</u> REPLACEMENT PROJECT <u>54 8201</u> SHEET 20F 1 SYMBOLS, INDEX, AND VICINITY MAP

SCALE: AS NOTED

PROJECT <u>54 8201 1826</u> SHEET 20F 13



REVISIONS			
REMARKS	BY	APV	

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	AR
APPROVED	
DATE	10/31/2022



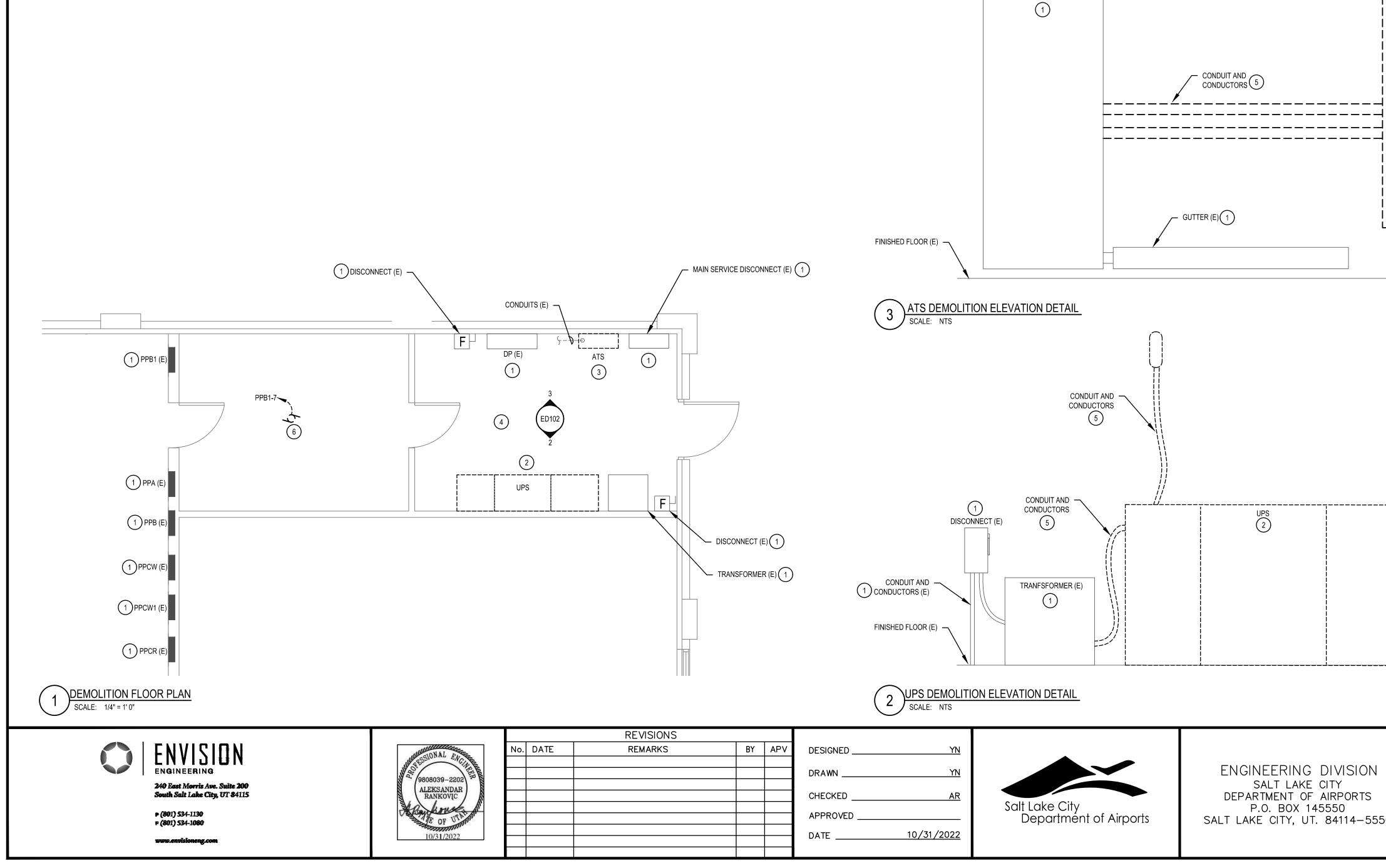


KEYED NOTES: (#)

- 1. PROTECT AND MAINTAIN.
- 2. DEMOLISH AND DISPOSE OFF EXISTING GENERATOR AND CONCRETE PAD.
- 3. REMOVE EXISTING ABOVE GRADE FUEL TANK AND RETURN TO AIRPORT. DEMOLISH CONCRETE PAD INCLUDING ASSOCIATED FUEL LINES AND PIPING. AIRPORT SHALL DRAIN OFF ALL THE REMAINING FUEL IN THE TANK PRIOR TO REMOVAL OF THE TANK.
- 4. DEMOLISH EXISTING CONDUITS UPTO THE POINT SHOWN. TRENCH EXISTING SIDEWALK
- 5. DEMOLISH ALL EXISTING CONDUCTORS AND CABLES. DEMOLISH EXISTING CONDUITS
- 6. EXISTING CONDUIT ROUTING SHOWN AND QUANTITY IS APPROXIMATE. CONTRACTOR IS RESPONSIBLE TO FIELD DETERMINE THE EXACT CONDITIONS.

SCALE: AS NOTED

PROJECT <u>54 8201 1826</u> SHEET _____ 3OF 13

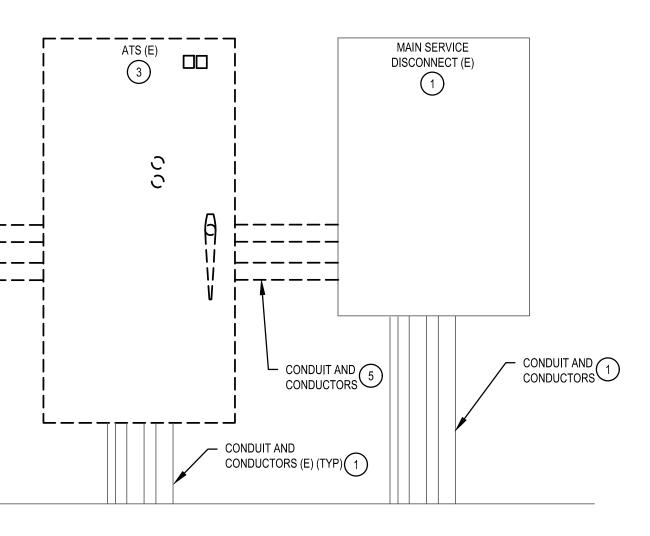


F DISCONNECT TRANSFORME		DISCOL CONDUIT AND CONDUCTORS (E) FINISHED FLOOR (E)	CONDUIT AND CONDUCTORS TRANFSFORMER (E) 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			
VISIONS MARKS BY	APV	DESIGNEDYN			SALT LAKE CITY INTERNATIONAL AIRPORT NATIONAL WEATHER SERVICE	SCALE: AS NOTE
		DRAWNYN CHECKEDAR APPROVED DATE10/31/2022	Salt Lake City Department of Airports	ENGINEERING DIVISION SALT LAKE CITY DEPARTMENT OF AIRPORTS P.O. BOX 145550 SALT LAKE CITY, UT. 84114–5550	BUILDING GENERATOR & UPS REPLACEMENT DEMOLITION FLOOR PLANS	DRAWING <u>ED102</u> PROJECT <u>54 8201 182</u> SHEET <u>40F 13</u>

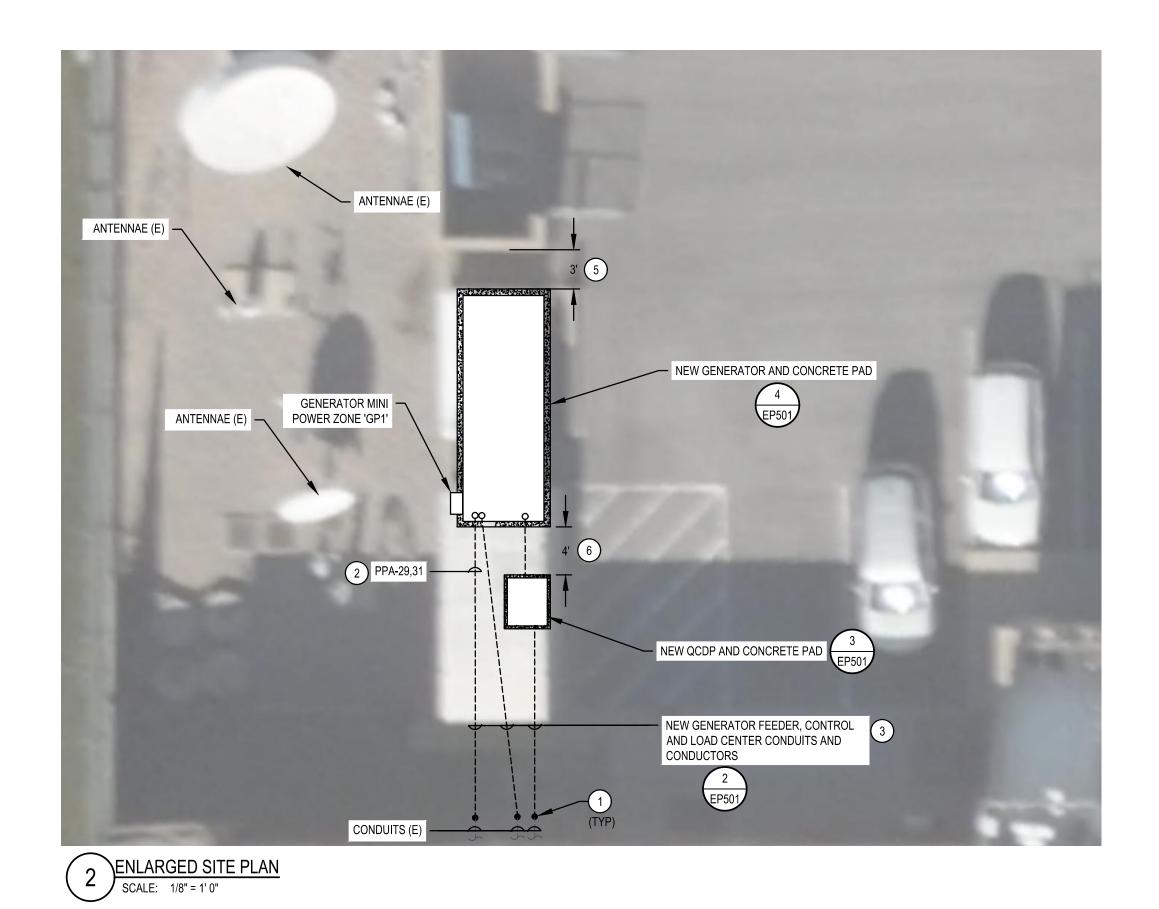
DP (E)

KEYED NOTES: (#)

- 1. PROTECT AND MAINTAIN.
- 2. DEMOLISH EXISTING BYPASS CABINET, UPS, AND BATTERY CABINET.
- 3. DEMOLISH EXISTING ATS.
- 4. PROTECT AND MAINTAIN ALL ELECTRICAL, LIGHTING, FIRE ALARM, SECURITY, AND OTHER EQUIPMENT AND DEVICES IN THIS SPACE UNLESS SHOWN OTHERWISE.
- 5. DEMOLISH EXISTING CONDUIT AND CONDUCTORS.
- 6. EXISTING TRANSFER FAN IS BEING DEMOLISHED. REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION. DEMOLISH EXISTING CONDUCTORS BACK TO SOURCE, PROTECT AND MAINTAIN EXISTING RACEWAY AND BOXES.







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			DATE 10/	31/2022	



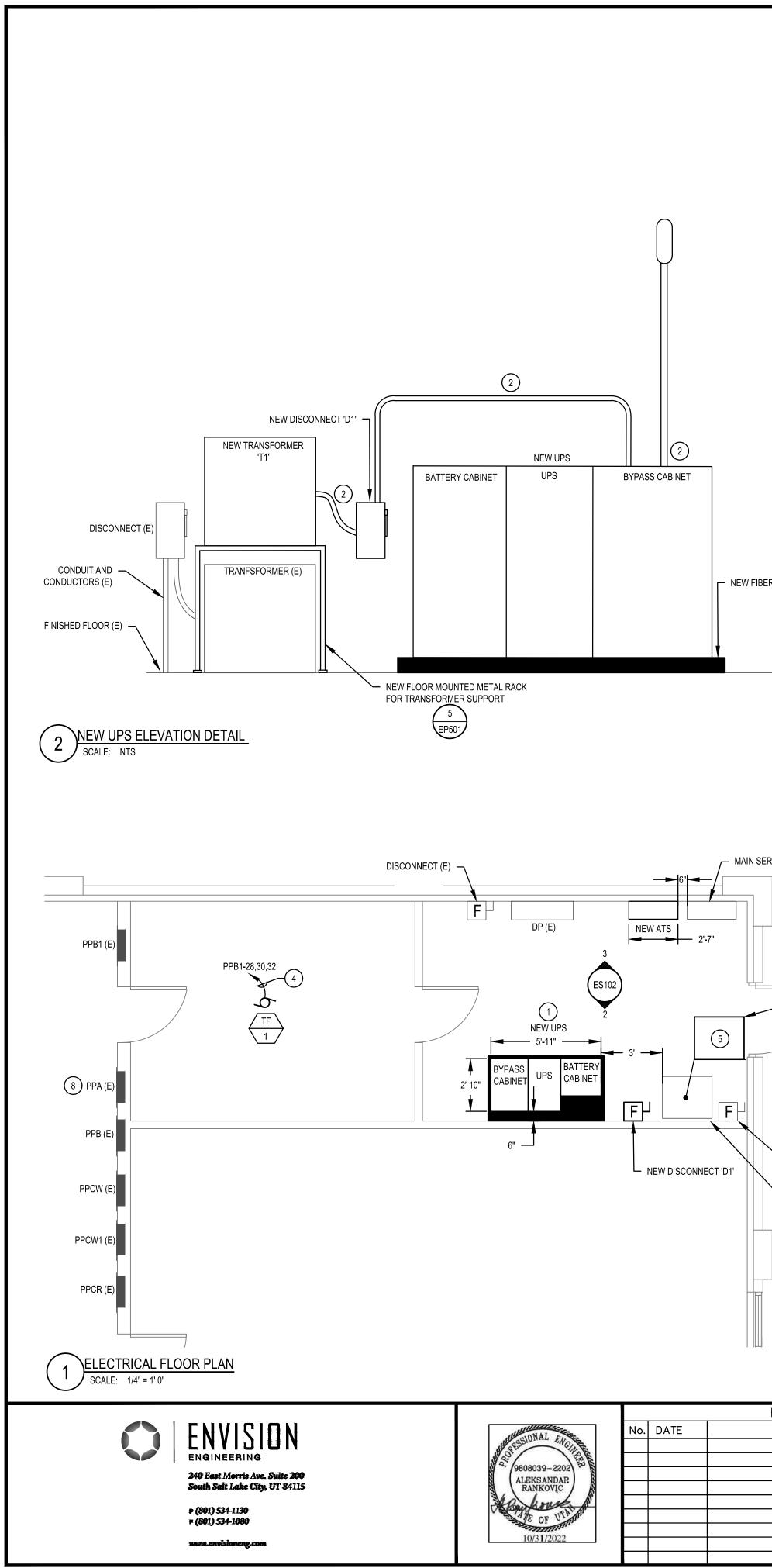
ENGINEERING DIVISION SALT LAKE CITY DEPARTMENT OF AIRPORTS P.O. BOX 145550 SALT LAKE CITY, UT. 84114–5550 KEYED NOTES: (#)

- 1. INTERCEPT EXISTING CONDUITS AND EXTEND CONDUITS AS SHOWN TO THE NEW GENERATOR AND QCDP. PATCH AND REPAIR EXISTING SIDEWALK AND ASPHALT TO RESTORE IT TO ORIGINAL CONDITION.
- 2. EXTEND MINI POWER ZONE PRIMARY CONDUCTORS THROUGH EXISTING AND NEW RACEWAYS TO PANEL SHOWN FOR FEEDING GENERATOR LOAD CENTER.
- 3. REFER TO ONE-LINE DIAGRAM FOR CONDUIT AND CONDUCTOR SIZES.
- 4. CONTRACTOR SHALL MANDREL ALL THE EXISTING CONDUITS PRIOR TO PULLING ANY CONDUCTORS/CABLES OR PERFORMING ANY WORK TO DETERMINE IF THE CONDUITS ARE RE-USABLE. IF DETERMINED NOT RE-USABLE , CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER IN CHARGE.
- 5. MAINTAIN A MINIMUM OF 3' DISTANCE BETWEEN THE EXISTING TRASH ENCLOSURE WALL AND EDGE OF GENERATOR CONCRETE PAD.
- 6. MAINTAIN A MINIMUM OF 4' DISTANCE BETWEEN THE NEW QCDP AND NEW GENERATOR

SALT LAKE CITY INTERNATIONAL AIRPORT NATIONAL WEATHER SERVICE BUILDING GENERATOR & UPS DRAWING ES101 REPLACEMENT ELECTRICAL SITE PLANS

SCALE: AS NOTED

PROJECT <u>54 8201 1826</u> SHEET ______50F_13

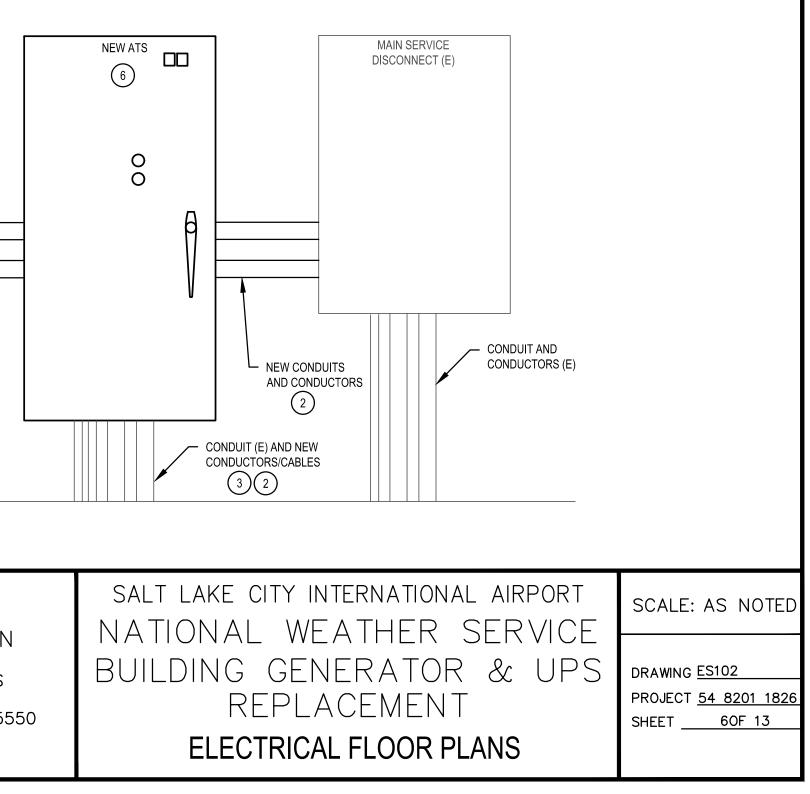


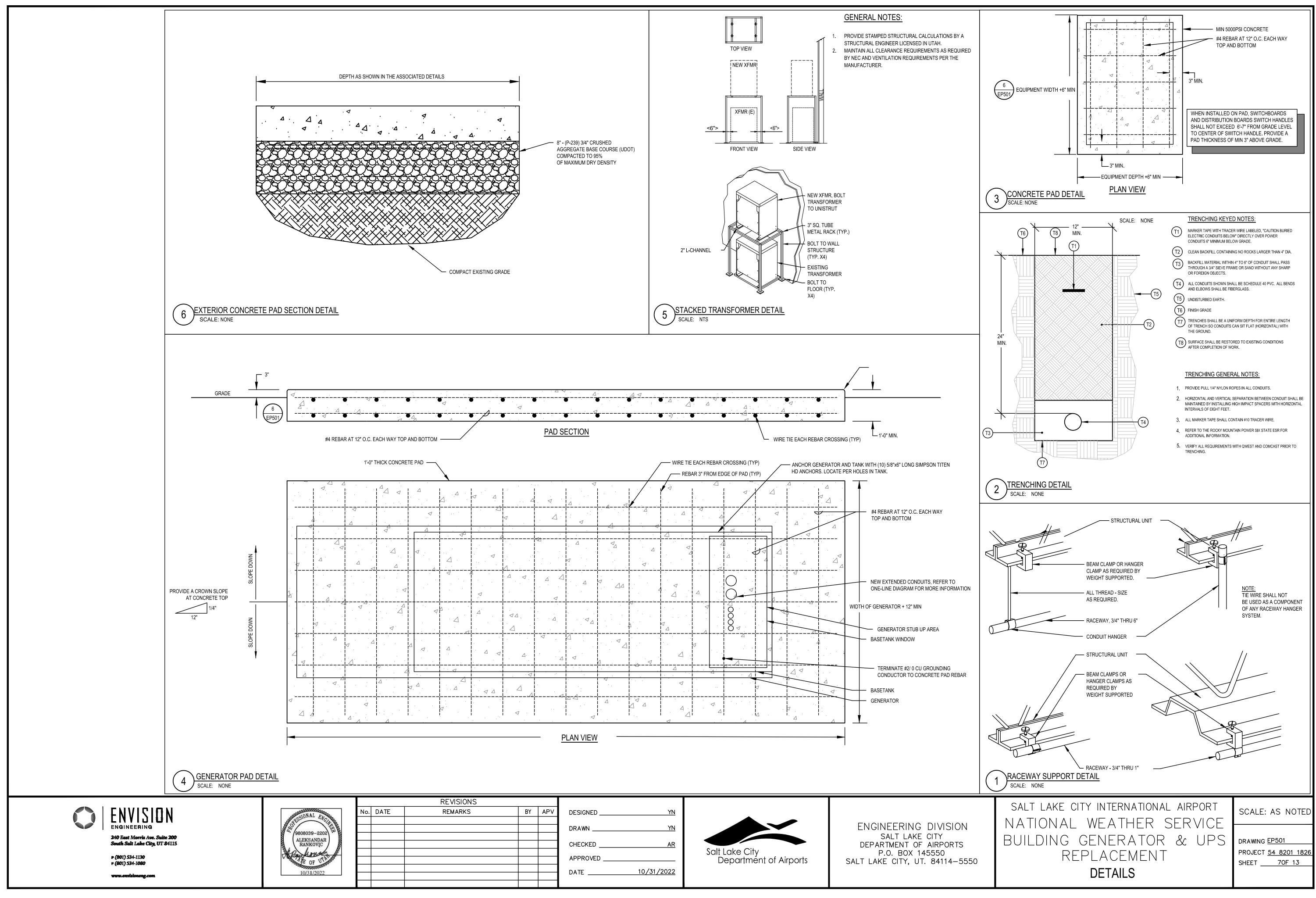
NEW TRANSFORMER 'T1'		DP (E)		
		-		NEW CONDUITS AND 2 CONDUCTORS
 DISCONNECT (E) TRANSFORMER (E) 				
				- GUTTER (E)
	3 NEW ATS ELEV	ATION DETAIL		
REVISIONS REMARKS BY APV	DESIGNEDYN DRAWNYN CHECKEDAR APPROVED DATE10/31/2022	Salt Lake City Department of	Airports	ENGINEERING DIVISION SALT LAKE CITY DEPARTMENT OF AIRPORTS P.O. BOX 145550 SALT LAKE CITY, UT. 84114–55

- MAIN SERVICE DISCONNECT (E)

KEYED NOTES: (#)

- 1. NEW UPS AND CONCRETE PAD SHALL NOT EXCEED THE DIMENSIONS SHOWN ON PLANS.
- 2. REFER TO ONE-LINE DIAGRAM FOR CONDUIT AND CONDUCTOR SIZES.
- 3. EXTEND EXISTING CONDUITS AS REQUIRED TO MAKE FINAL TERMINATIONS.
- 4. UTILIZE EXISTING CONDUIT AND PROVIDE NEW CONDUCTORS. REFER TO MECHANICAL EQUIPMENT SCHEDULE CONDUCTOR SIZES AND ADDITIONAL INFORMATION. EXTEND NEW CONDUIT AS REQUIRED FOR A COMPLETE INSTALLATION.
- 5. STACK NEW TRANSFORMER ON TOP OF THE EXISTING TRANSFORMER. DIV 26 CONTRACTOR SHALL PROVIDE STAMPED STRUCTURAL CALCULATIONS AND DRAWINGS FOR THE UNISTRUT RACK.
- 6. ATS SHALL BE MOUNTED ON A METAL SUPPORT CHANNEL SYSTEM TO BE A FEW INCHES AWAY FROM THE WALL AS PER THE MANUFACTURERS RECOMMENDATION FOR SUFFICIENT AIR FLOW AND CIRCULATION.
- 7. PROVIDE CUSTOM PRECAST FIBERGLASS POLYMER HOUSEKEEPING PAD BASETEK (OR APPROVED EQUAL) AS REQUIRED FOR THE NEW UPS. SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL. PAD SHALL BE ATLEAST 4" HIGH AND BOLTED THE EXISTING CONCRETE SURFACE AS PER MANUFACTURER'S RECOMMENDATION.
- 8. UTILIZE EXISTING 40A/2P BREAKER IN THE EXISTING PANELBOARD FOR FEEDING GENERATOR LOAD CENTER.





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DATE	10/31/2022

								EQU	IPME	ENT S	SCHE	EDULE	Ξ										
UNIT								CONDUIT		WIRES				STARTE	R/DISCONN	ECT NOTES						PANEL NAME:	GP1
NAME	DESCRIPTION	QTY	LOAD	TYPE	VOLTAGE	PHASE	AMPS	SIZE		E	Q. GND		STARTER	OCP	/FUSE	DISCONNE	CT		NOTES			MOUNTING: :	
									NO.	SIZE	SIZE	NOTE	SIZE	SIZE	POLES	SIZE	POLES	NEMA				ENCLOSURE: I	
TF-1	TRANSFER FAN	1	1.50	HP	208	3	6.90	3/4"	3	12	12	10B	NA	NA	NA	NA	NA	NA	UTILIZE EXISTING RACEWAY.			DOOR STYLE:	HINGED
SIZE ALL FUSES I	N ACCORDANCE WITH MANUFACTURER'S RECO	MMEND	ATIONS.																				
	STARTER / DISCONNECT NOTES:													INSTALLATI	ON NOTES						(EYED NOTE	CIRCUIT	DESCRIPTION
	MANUAL STARTER WITH THERMAL OVERLOAD						0	NON-FUSE				٨					TED UNDER D						RY CHARGER
	MANUAL STARTER WITH THERMAL OVERLOAD		CTION &					FUSED DIS				AB					NOTHER DIVIS						SPACE
-	LOW VOLTAGE RELAY / CONTACTOR FOR ATC							BREAKER				5				ONS UNDER I							SPACE
3	COMBINATION MAGNETIC STARTER / FUSED DI	SCONN	ECT					DIRECT CO				С					SION BUT INST	ALLED					TOTAL C
	COMBINATION MAGNETIC STARTER / MOTOR C							DUPLEX R				_							N/ISION				TOTAL ESTIMAT TOTAL ESTIMATED
	COMBINATION VARIABLE FREQUENCY DRIVE / I REDUCED VOLTAGE STARTER	NUTUR		RUIEUIC				SPECIAL F				D					TED UNDER A & CONNECTE						TOTAL LOTIMATED
	COMBINATION TWO-SPEED STARTER / FUSED [DISCON	INECT					TOGGLES			-	F				ONNECTING N		D DI DIVIO					
	COMBINATION TWO-SPEED STARTER / MOTOR			TOR (MCP)		17.	DUPLEX G	FCI RECE	EPTACLE	OUTLET										TYPE	LOAD CLASSIFICATION	CONNECTE
																					Р	SUB-PANEL	SUB-PAN
																					R	RECEPTACLES	-
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																					<u>C</u>		7 1 1 0
																					E	EQUIPMENT	7,140



240 East Morris Ave. Suite 200 South Salt Lake City, UT 84115

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		REVISIONS					
No.	DATE	REMARKS	BY	APV	DESIGNED <u>YN</u>		
					DRAWNYN		ENGINEERING DIVISION SALT LAKE CITY
					CHECKED AR	Salt Lake City	DEPARTMENT OF AIRPORTS P.O. BOX 145550
					APPROVED	Salt Lake City Department of Airports	SALT LAKE CITY, UT. 84114-5550
					DATE 10/31/2022		

<u>GENERAL NOTES:</u> 1. REFER TO ONE-LINE DIAGRAM FOR MINI POWER ZONE DETIALS.

MOTOR KITCHEN OTHER

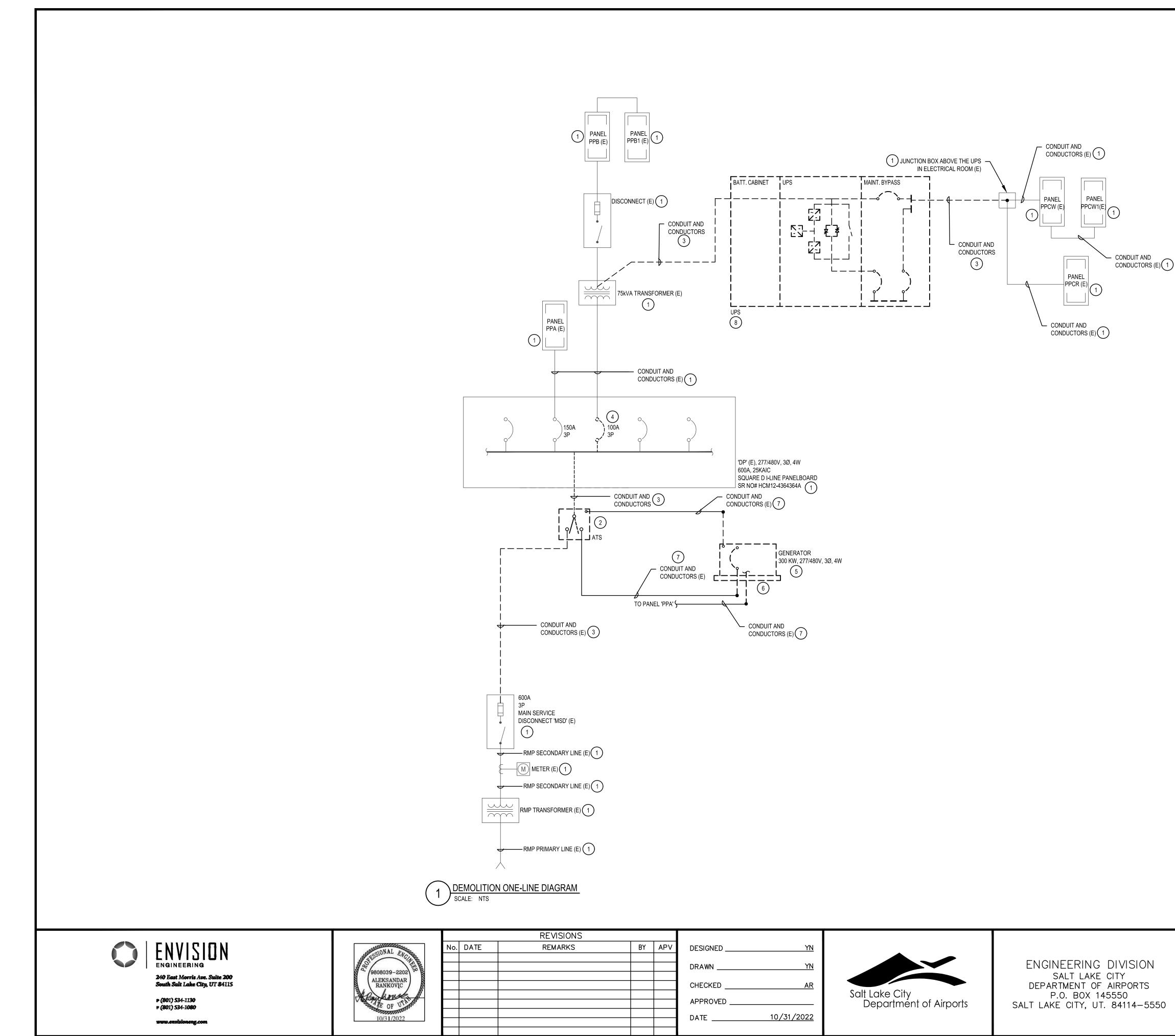
						PAN	IELB	OAR	D SC	HED	JLE						
	PANEL NAME: PPB1(EXISTIN MOUNTING: RECESSED ENCLOSURE: NEMA 1 DOOR STYLE: STANDARD	IG SQUA		Р	HASE: WIRE:	3 4	BUS MATERIAL: COPPER BUS RATING: 225 AMPS							TVSS: NONE NEUTRAL: 100% RATED BRANCH OCP TYPE: BOLT-ON CBs ISOLATED GROUND: NO			
KEYED			AKER	LOAD			CONN	ECTED LC	AD/PHAS	SE (VA)		CKT.	LOAD	BREA			KEYED
NOTE	CIRCUIT DESCRIPTION	AMPS	POLE	TYPE	#	ļ A	Ą	E	3	(2	#	TYPE	AMPS	POLE		NOTE
	EXISTING LOAD	20	1		1							2		20	1	EXISTING LOAD	
	EXISTING LOAD	20	1		3							4		20	1	EXISTING LOAD	
	EXISTING LOAD	20	1		5							6		20	1	EXISTING LOAD	
	EXISTING LOAD	20	1		7							8		20	1	EXISTING LOAD	
	EXISTING LOAD	20	1		9							10		20	1	EXISTING LOAD	
	EXISTING LOAD	20	1		11							12		20	1	EXISTING LOAD	
	EXISTING LOAD	20	1		13							14		20	1	EXISTING LOAD	
	EXISTING LOAD	20	1		15							16		20	1	EXISTING LOAD	
	EXISTING LOAD	20	1		17							18		20	1	EXISTING LOAD	
	EXISTING LOAD	20	1		19							20		20	1	EXISTING LOAD	
	EXISTING LOAD	20	1		21							22		20	1	EXISTING LOAD	
	EXISTING LOAD	20	1		23							24		20	1	EXISTING LOAD	
	EXISTING LOAD	20	1		25							26		20	1	EXISTING LOAD	
	EXISTING LOAD	20	1		27				829			28	М	20	3	TF-1	1
	EXISTING LOAD	20	1		29						829	30	M	-	-	-	
	SPACE	20	1		31		829					32	М	-	-	-	
	SPACE	20	1		33							34		-	-	SPACE	
	SPACE	20	1		35							36		-	-	SPACE	
	SPACE	20	1		37							38		-	-	SPACE	
	SPACE	20	1		39							40		-	-	SPACE	
	SPACE	20	1		41							42		-	-	SPACE	
	TOTAL CONNE			R PHAS		829		829		829	1				1 1		
	TOTAL ESTIMATED DE					1,0	36	1,0	36)36						
	TOTAL ESTIMATED DEMA						}				9	1					
				· · · · · - (-	1					
TYPE	LOAD CLASSIFICATION			ED LOA			AND FAC		EQTIN	IATED DE						PANEL TOTALS	
P	SUB-PANEL	+						OAD CLAS								FANEL IUTALO	
R	RECEPTACLES				JADS		JUIDIL			IN DELUV	V					TOTAL CONNECTED LOAD: 2,487 VA	
	LIGHTING						-			-						25% OF LARGEST MOTOR: 622 VA	
	CONTINUOUS						-			-					TOTAL		
E	EQUIPMENT		-				-			-			TOTAL ESTIMATED DEMAND LOAD: 3,109 VA TOTAL ESTIMATED DEMAND BALANCED CURRENT: 9 AMPS				
	MOTOR		2,487	7 \/A			- 100%			- 2,487 VA						DEMAND PHASE CURRENT: 9 AMPS	
K	KITCHEN		2,407	VA			100%			2,401 VA						DEMAND FRASE CORRENT. 9 AMPS	

						PAN	IELB	OAR	D SC	HED	ULE						
	PANEL NAME: PPB1(EXISTIN MOUNTING: RECESSED ENCLOSURE: NEMA 1 DOOR STYLE: STANDARD	IG SQUA		F	PHASE: WIRE:	3 4				BUS M BUS	NS TYPE ATERIAL RATING RATING	COPF 225 A	MPS			TVSS: NONE NEUTRAL: 100% RAT BRANCH OCP TYPE: BOLT-ON ISOLATED GROUND: NO	
KEYED			AKER	LOAD					DAD/PHAS	<u> </u>		CKT.					KEYED
NOTE	CIRCUIT DESCRIPTION	_		TYPE		<i>I</i>	<u>\</u>		B		<u> </u>	#	TYPE	AMPS	POLE	CIRCUIT DESCRIPTION	NOTE
	EXISTING LOAD	20	1		1			_				2		20	1	EXISTING LOAD	
	EXISTING LOAD	20	1		3							4		20	1	EXISTING LOAD	
	EXISTING LOAD	20	1		5							6		20	1	EXISTING LOAD	
	EXISTING LOAD	20	1		7							8		20	1	EXISTING LOAD	
	EXISTING LOAD	20	1		9							10		20	1	EXISTING LOAD	
	EXISTING LOAD	20	1		11							12		20	1	EXISTING LOAD	
	EXISTING LOAD	20	1		13							14		20	1	EXISTING LOAD	
	EXISTING LOAD	20	1		15							16		20	1	EXISTING LOAD	
	EXISTING LOAD	20	1		17							18		20	1	EXISTING LOAD	
	EXISTING LOAD	20	1		19							20		20	1	EXISTING LOAD	
	EXISTING LOAD	20	1		21							22		20	1	EXISTING LOAD	
	EXISTING LOAD	20	1		23							24		20	1	EXISTING LOAD	
	EXISTING LOAD	20	1		25							26		20	1	EXISTING LOAD	
	EXISTING LOAD	20	1		27				829			28	М	20	3	TF-1	1
	EXISTING LOAD	20	1		29						829	30	М	-	-	-	
	SPACE	20	1		31		829					32	М	-	-	-	
	SPACE	20	1		33							34		-	-	SPACE	
	SPACE	20	1		35							36		-	-	SPACE	
	SPACE	20	1		37							38		-	-	SPACE	
	SPACE	20	1		39							40		-	-	SPACE	
	SPACE	20	1		41							42		-	-	SPACE	
	TOTAL CONNE	ECTED LO	DAD PE	R PHAS	E (VA):	829		829		829							
	TOTAL ESTIMATED DE					1,0	36		036		036						
	TOTAL ESTIMATED DEMA						9		9	· · · ·	9						
TYPE	LOAD CLASSIFICATION	CC		ED LOA			IAND FAC			IATED DE						PANEL TOTALS	
Р	SUB-PANEL	SUB-PANEL LOADS BROKEN OU			OUT BY L	OAD CLA	SIFICATIO	N BELOV	V								
R	RECEPTACLES	-			-			-						TOTAL CONNECTED LOAD: 2,487 VA			
L	LIGHTING						-	-				25% OF LARGEST MOTOR: 622 VA					
С	CONTINUOUS			•			-			- TOTAL			TOTAL	ESTIMATED DEMAND LOAD: 3,109 VA			
E	EQUIPMENT -				-			-		TOTAL ESTIMATED DEMAND BALANCED CURRENT: 9 AMPS							
M	MOTOR					2,487 VA	۱	MAXIMUM ESTIMATED DEMAND PHASE CURRENT: 9 AMPS									
К	KITCHEN		, ,				-			-							
	OTHER						-			-							

	MINI POWER ZONE SCHEDULE													
VOLTAGE: 240/120MAINS TYPE: PHASE: 1PHASE: 1BUS MATERIAL: WIRE: 3WIRE: 3BUS RATING: MCB RATING: MCB RATING:									COPP 100 AM	MPS			TVSS: NONE NEUTRAL: 100% RATE BRANCH OCP TYPE: BOLT-ON CI ISOLATED GROUND: NO	
	BREA		LOAD		CONN	ECTED LC	DAD/PHAS	SE (VA)			BREA			KEYED
	AMPS	POLE	TYPE	#		4		B	#	TYPE			CIRCUIT DESCRIPTION	NOTE
	20	1	E	1	720	3,210			2	E	40	2	COOLANT HEATERS	
	20	1	-	3			0	3,210	4	E	-	-	-	
	20	1	-	5	0				6	-	20	1	SPACE	
OTAL CONNEC TIMATED DEM ATED DEMAN	1AND LC	DAD PEF	R PHASE	E (VA):	3,9	930 930 93	3,2	210 210 27						
NECTED LOAD)		DEM	and F <i>i</i>	ACTOR	ESTIN	IATED DE	MAND					PANEL TOTALS	
B-PANEL LOAD	DS BRO	KEN OU	T BY LO	AD CL	ASIFICAT	ION BELC	W							
-				-			-						TOTAL CONNECTED LOAD: 7,140 VA	
-				-			-						25% OF LARGEST MOTOR: -	
									TOTAL	ESTIMATED DEMAND LOAD: 7,140 VA				
7,140 VA 100% 7,140 VA						L .		TOTAL I	ESTIMA [:]	TED DE	MAND BALANCED CURRENT: 30 AMPS			
· · ·								MAXIM	UM EST	IMATEC	DEMAND PHASE CURRENT: 33 AMPS			
-				-			-							

PANELBOARD NOTES: 1. PROVIDE NEW BREAKER OF SAME AIC RATING AND MANUFACTURER AS THE EXISTING PANELBOARD.

	SALT LAKE CITY INTERNATIONAL AIRPORT	SCALE: AS NOTED
	NATIONAL WEATHER SERVICE	
	BUILDING GENERATOR & UPS	DRAWING <u>EP502</u> PROJECT 54 8201 1826
0	REPLACEMENT	SHEET 80F 13
	SCHEDULES	



REVISIONS					
REMARKS	BY	APV	DESIGNEDYN		
			DRAWNYN		ENGINEERING DIVISION salt lake city
			CHECKED AR	Salt Lake City	DEPARTMENT OF AIRPORTS P.O. BOX 145550
			APPROVED	Salt Lake City Department of Airports	SALT LAKE CITY, UT. 84114–555
			DATE 10/31/2022		

GENERAL NOTES:

1. REFER TO SWITCHOVER PLANS FOR ADDITIONAL DETAILS.

KEYED NOTES: (#)

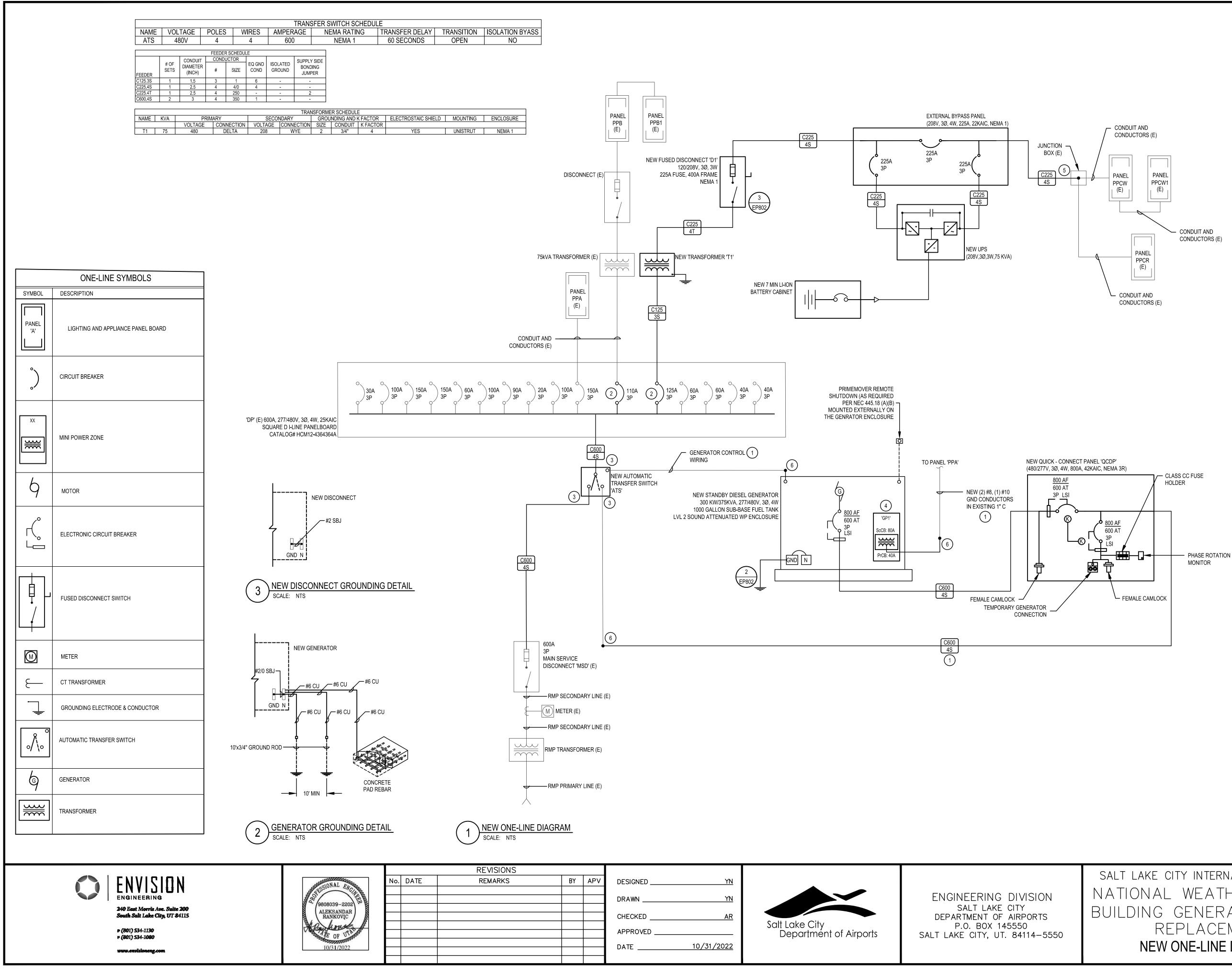
- 1. PROTECT AND MAINTAIN.
- 2. DEMOLISH EXISTING ATS AND ASSOCIATED CONTROL WIRING.
- 3. DEMOLISH EXISTING CONDUIT AND CONDUCTORS.
- 4. DEMOLISH EXISTING CIRCUIT BREAKER FEEDING THE TRANSFORMER AND RETURN TO OWNER.
- 5. DEMOLISH EXISTING GENERATOR. REMOVE ALL ASSOCIATED CONDUCTORS, CONTROL WIRING, BATTERY CHARGER AND OTHER ASSOCIATED EQUIPMENT.
- 6. DEMOLISH EXISTING CONCRETE PAD.
- 7. DEMOLISH EXISTING CONDUCTORS AND CONTROL CABLING. PROTECT AND MAINTAIN EXISTING CONDUITS FOR RE-USE.
- 8. DEMOLISH EXISTING BYPASS CABINET, UPS, AND BATTERY CABINET.

SALT LAKE CITY INTERNATIONAL AIRPORT NATIONAL WEATHER SERVICE BUILDING GENERATOR & UPS DRAWING EP801 REPLACEMENT DEMOLITION ONE-LINE DIAGRAM

SCALE: AS NOTED

PROJECT <u>54 8201 1826</u> SHEET 90F 13

550



REVISIONS						
REMARKS	BY	APV	DESIGNED	YN		
			DRAWN	<u>YN</u>		ENGINEERING DIVISION salt lake city
			CHECKED	AR	Salt Lake City	DEPARTMENT OF AIRPORTS P.O. BOX 145550
			APPROVED		Salt Lake City Department of Airports	SALT LAKE CITY, UT. 84114-55
			DATE	10/31/2022		

GENERAL NOTES:

1. REFER TO SWITCHOVER PLANS FOR ADDITIONAL DETAILS.

KEYED NOTES: (#)

- 1. UTILIZE EXISTING CONDUITS AND EXTEND NEW CONDUITS AS SHOWN ON SITE PLAN
- 2. PROVIDE NEW CIRCUIT BREAKER IN EXISTING PANELBOARD OF SAME MANUFACTURER AND AIC RATING.
- 3. EXTEND CONDUIT AND CONDUCTORS AS REQUIRED FOR MAKING THE FINAL TERMINATIONS.
- 4. PROVIDE 480V:240V/1PHASE, 15KVA MINI POWER ZONE FOR FEEDING GENERATOR BATTERY HEATER. CHARGER AND OTHER GENERATOR CIRCUITS AS REQUIRED. MINI POWER ZONE SHALL BE LOCATED INSIDE/ON THE GENERATOR ENCLOSURE.
- 5. EXTEND NEW CONDUCTORS UPTO THE JUNCTION BOX SHOWN AND PROVIDE SPLICES FOR EXISTING CONDUCTORS.
- 6. INTERCEPT EXISTING CONDUIT AND EXTEND NEW CONDUIT AND CONDUCTORS AS SHOWN.

SELECTIVE COORDINATION REQUIRMENTS:

- 1. CONTRACTOR SHALL PROVIDE SELECTIVE COORDINATION STUDY FOR THE THE ENTIRE ELECTRICAL SYSTEM (ALL EQUIPMENT SHOWN ON ONE-LINE DIAGRAM).
- 2. THE SELECTIVE COORDINATION OF THE SYSTEM (DOWN TO THE SMALLEST OVERCURRENT PROTECTIVE DEVICE) SHALL BE COORDINATED TO A LEVEL OF 0.1 SECONDS FOR ALL NEW OVERCURRENT PROTECTIVE DEVICES AND TO THE EXTENT POSSIBLE FOR EXISTING OVERCURRENT DEVICES.
- 3. CONTRACTOR SHALL PROVIDE LSI BREAKERS OR BREAKERS WITH LARGER FRAMES AS NECESSARY TO ACHIEVE THE ABOVE STATED LEVEL OF COORDINATION.
- 4. CONTRACTOR IS RESPONSIBLE TO CONDUCT FIELD OBSERVATION AND GATHER ALL THE REQUIRED INFORMATION FOR THE STUDY (CONDUCTOR SIZES, BREAKER SIZES, FEEDER LENGTHS ETC.).
- 5. PROVIDE COORDINATION STUDY PRIOR TO RELEASING NEW EQUIPMENT.

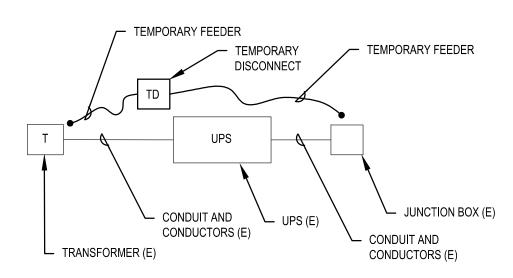
SALT LAKE CITY INTERNATIONAL AIRPORT NATIONAL WEATHER SERVICE BUILDING GENERATOR & UPS REPLACEMENT NEW ONE-LINE DIAGRAM

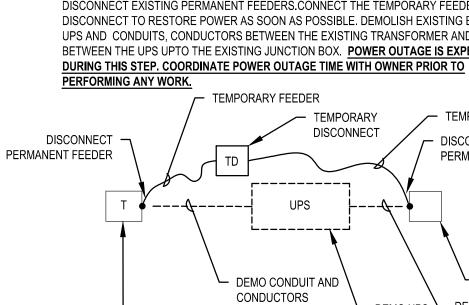
SCALE: AS NOTED

DRAWING EP802 PROJECT <u>54 8201 1826</u> SHEET 10 OF 13

UPS SWITCHOVER PLANS

STEP 1: PREPARE TEMPORARY FEEDERS AND TEMPORARY DISCONNECT FOR THE CONNECTION BETWEEN EXISTING TRANSFORMER AND JUNCTION BOX. NO POWER OUTAGE IS EXPECTED DURING THIS STEP.





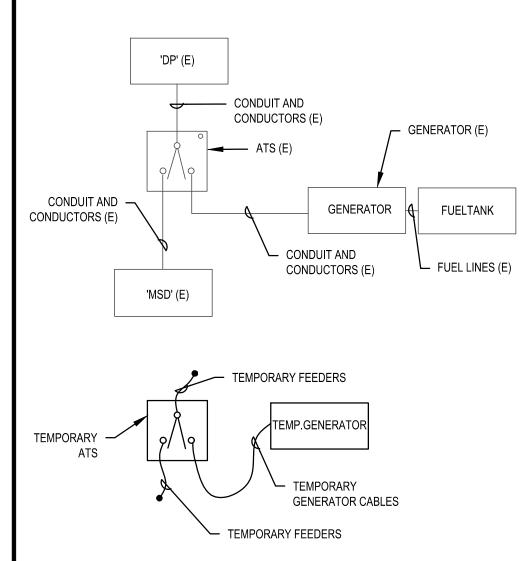
STEP 2:

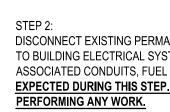
TRANSFORMER (E)

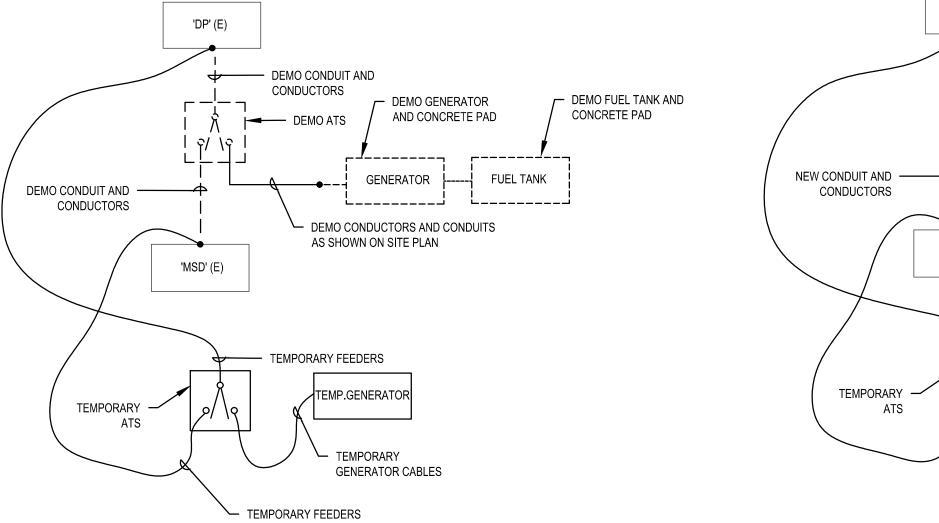
GENERATOR SWITCHOVER PLANS

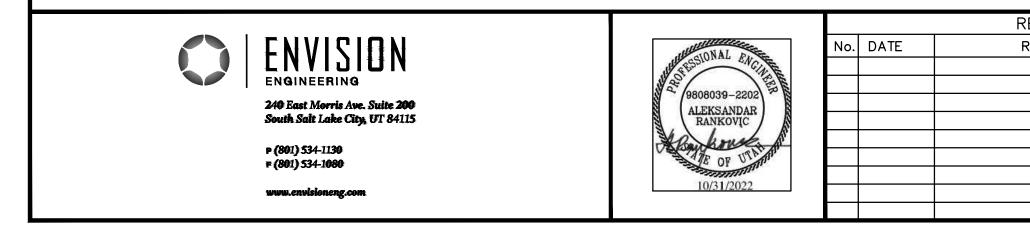
STEP 1

PREPARE TEMPORARY FEEDERS, ATS, AND TEMPORARY GENERATOR. TEMPORARY GENERATOR AND GENERATOR CABLES TO BE PROVIDED BY AIRPORT. FUEL TO BE PROVIDED BY CONTRACTOR. CONTRACTOR SHALL PROVIDE AT LEAST A WEEK NOTICE TO AIRPORT FOR MOVING THE GENERATOR TO SITE. NO POWER OUTAGE IS EXPECTED DURING THIS STEP.









DISCONNECT EXISTING PERMANENT FEEDERS.CONNECT THE TEMPORARY FEEDER AND DISCONNECT TO RESTORE POWER AS SOON AS POSSIBLE. DEMOLISH EXISTING EXISTING UPS AND CONDUITS, CONDUCTORS BETWEEN THE EXISTING TRANSFORMER AND UPS AND BETWEEN THE UPS UPTO THE EXISTING JUNCTION BOX. POWER OUTAGE IS EXPECTED

- DEMO UPS

- TEMPORARY

DISCONNECT

UPS

TEMPORARY FEEDER

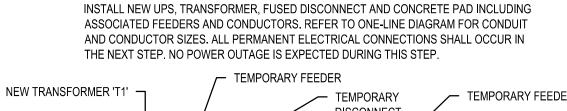
PERMANENT FEEDER

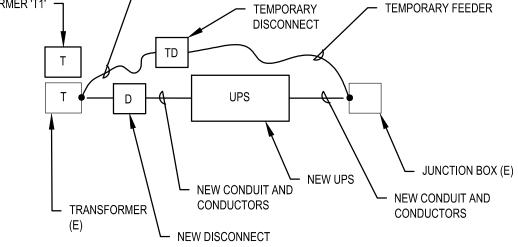
– JUNCTION BOX (E)

- DEMO CONDUIT AND

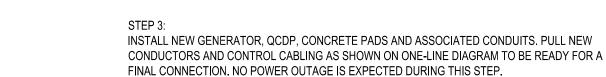
CONDUCTORS

- DISCONNECT

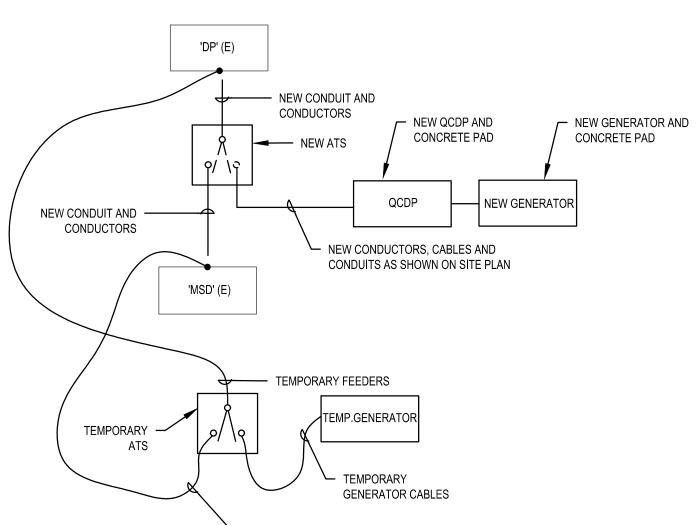




DISCONNECT EXISTING PERMANENT FEEDERS. CONNECT TEMPORARY GENERATOR AND ATS TO BUILDING ELECTRICAL SYSTEM. DEMOLISH EXISTING ATS, GENERATOR, FUEL TANK, AND ASSOCIATED CONDUITS, FUEL LINES , CONDUCTORS AS SHOWN. POWER OUTAGE IS EXPECTED DURING THIS STEP. COORDINATE POWER OUTAGE TIME WITH OWNER PRIOR T



STEP 3:



TEMPORARY FEEDERS

REVISIONS REMARKS BY APV DESIGNED _ YN ENGINEERING DIVISION DRAWN YN SALT LAKE CITY DEPARTMENT OF AIRPORTS P.O. BOX 145550 CHECKED AF Salt Lake City Department of Airports APPROVED SALT LAKE CITY, UT. 84114-5550 10/31/2022 DATE ____

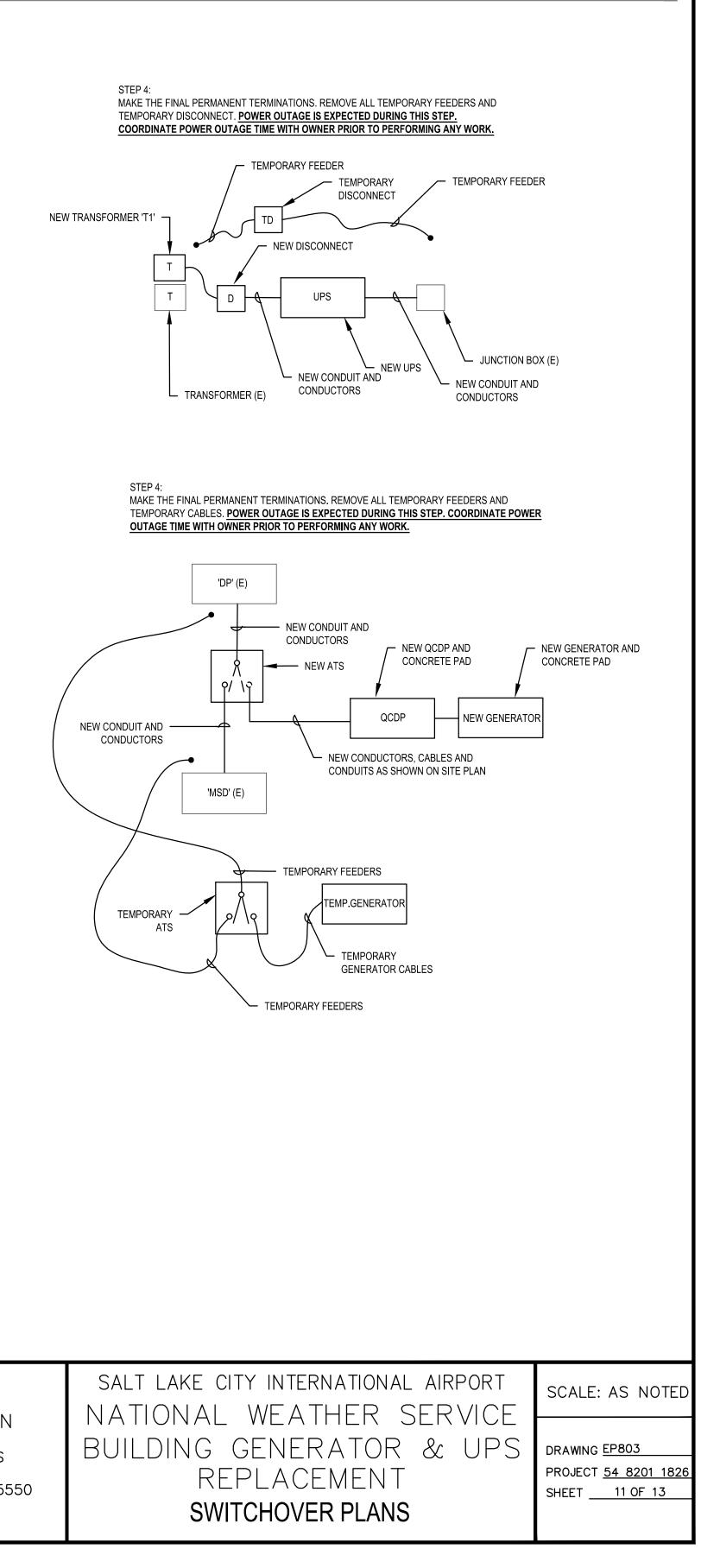
GENERAL NOTES:

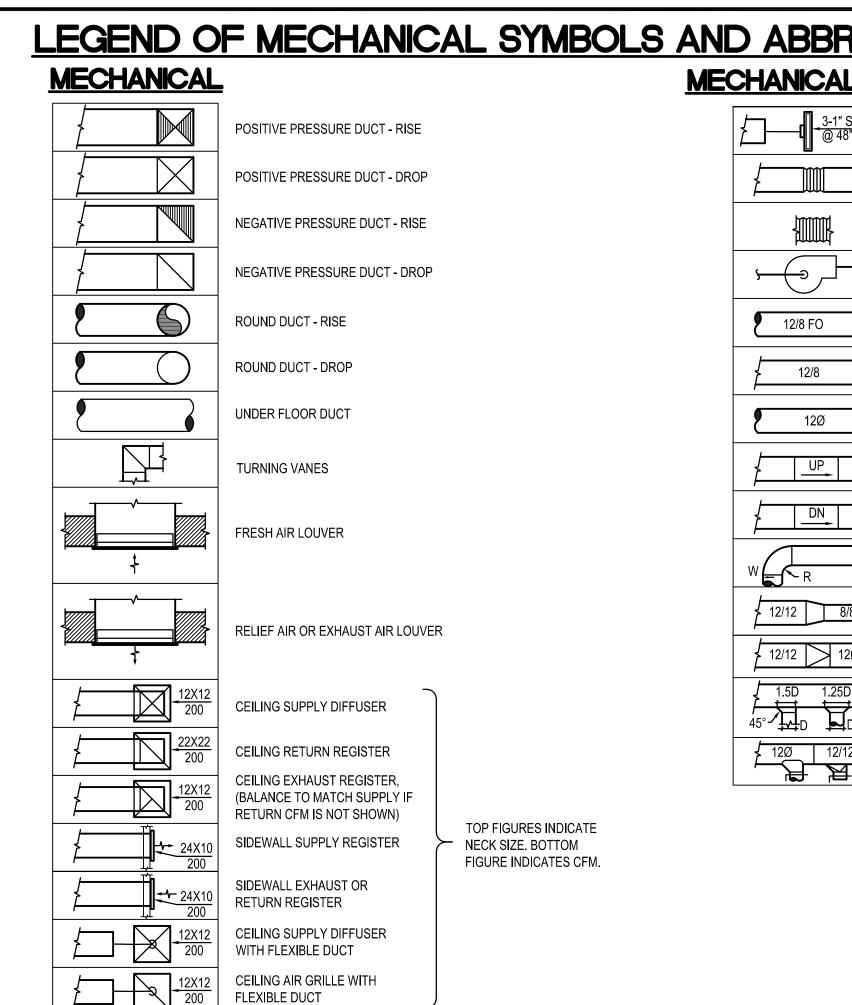
1. ALL POWER OUTAGES SHALL BE SCHEDULED WITH THE OWNER PRIOR TO A WEEK BEFORE THEY ARE PLANNED.

2. OWNER SHALL HAVE THE FINAL AUTHORITY TO POSTPONE ANY SCHEDULED POWER OUTAGES DURING A CRITICAL WEATHER EVENT.

3. ALL POWER OUTAGES SHALL BE LIMITED TO A MAXIMUM OF 6 HOURS.

4. ALL TEMPORARY EQUIPMENT SHOWN ON THE BELOW SWITCHOVER PLANS SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR WITH EXCEPTION TO THE TEMP GENERATOR AND TEMP GENERATOR CABLES (TO BE PROVIDED BY AIRPORT).





CEILING RETURN AIR GRILLE W/ SOUND BOOT

 $\left|\right\rangle$



ENVISION ENGINEERING 240 East Morris Ave. Suite 200 South Salt Lake City, UT 84115

p (801) 534-1130 f (801) 534-1080

www.envisioneng.com





,			
	No.	DATE	

REV	IATIONS				
		<u>CHANICAL CO</u>	<u>DNT.</u>	<u>SYMBOLS</u>	
" <u>SLOTS</u> 48" 400	LINEAR DIFFUSER WITH PLENUM AND FLEXIBLE DUCT CONNECTION. NO. OF SLOTS & SIZE OF SLOT ON TOP, ACT LENGTH AND CFM ON BOTTOM		MANUAL VOLUME DAMPER	<u>P-1</u>	PLUMBIN
	FLEXIBLE DUCT CONNECTION		FIRE DAMPER IN DUCT, W/ ACCESS PANEL REQD.	Ø	POINT OF
<u>.</u>	FLEXIBLE DUCT	FSD	COMBINATION FIRE/SMOKE DAMPER W/ ACCESS PANEL		SECTION
<u></u>	FAN	SD S	SMOKE DAMPER W/ ACCESS PANEL	M-101	OLOHON
	FLAT OVAL DUCT WITH FREE AREA DIMENSIONS SHOWN IN INCHES.		BACK DRAFT DAMPER	A	DETAIL T
}	RECTANGULAR DUCT WITH FREE AREA DIMENSIONS SHOWN IN INCHES.		ATC DAMPER	M101	
	ROUND DUCT WITH FREE AREA DIMENSIONS SHOWN IN INCHES.	AD	ACCESS PANEL IN DUCT OR PLENUM	EF 1	EQUIPME
\square	INCLINED RISE WITH RESPECT TO AIR FLOW 15°		HEATING OR COOLING COIL IN DUCT		KEYED N
	INCLINED DROP		SINGLE DUCT AIR TERMINAL BOX VARIABLE OR CONSTANT VOLUME. MIN. 1-1/2 TERMINAL INLET SIZE STRAIGHT DUCT AT TERMINAL INLET.		
	R/W=1. ROUND DUCT SIMILAR TO RECTANGULAR		4-WAY BLOW PATTERN		
8/8	RECTANGULAR TO RECTANGULAR OR ROUND TO ROUND DUCT TRANSFORMATION MAXIMUM 15° INCLUDED ANGLE EXCEPT WHERE SHOWN OTHERWISE.		3-WAY BLOW PATTERN		
12Ø	RECTANGULAR TO ROUND DUCT TRANSFORMATION		2-WAY BLOW PATTERN		
	TAP ENTRY AREA EQUALS 150% OF BRANCH AREA		2-WAY BLOW PATTERN		
	HIGH EFFICIENCY FITTING		1-WAY BLOW PATTERN		
		SD	DUCT SMOKE DETECTOR		

UNIT HEATER

(9) $\overline{(7)}$ 8 A)-STAIRS TO ROOF \square <u>(C</u>)– (D)- \square (E)-(F)---(F1)-8 6 9 7

REVISIONS	-				
REMARKS	BY	APV	DESIGNED <u>SR</u>		
			DRAWN JN CHECKED MJ APPROVED DATE <u>10/31/2022</u>	Salt Lake City Department of Airports	ENGINEERING DIVISIO SALT LAKE CITY DEPARTMENT OF AIRPORTS P.O. BOX 145550 SALT LAKE CITY, UT. 84114–5

NG FIXTURES

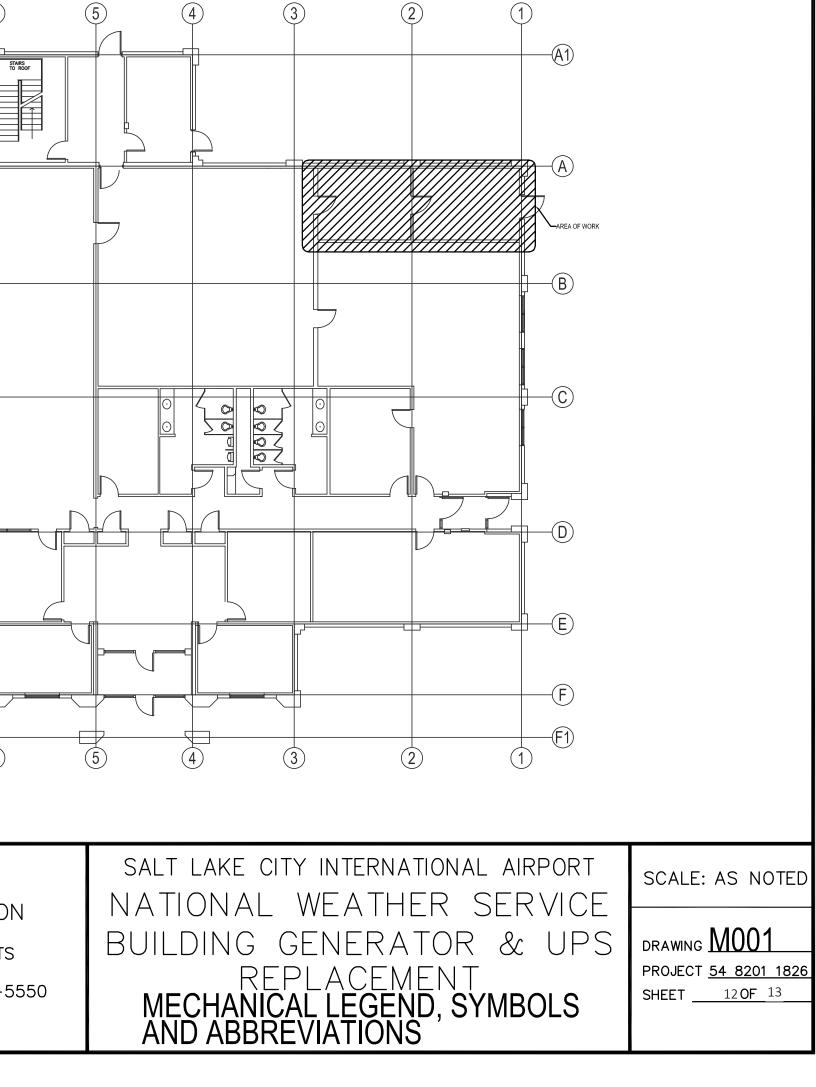
F CONNECTION

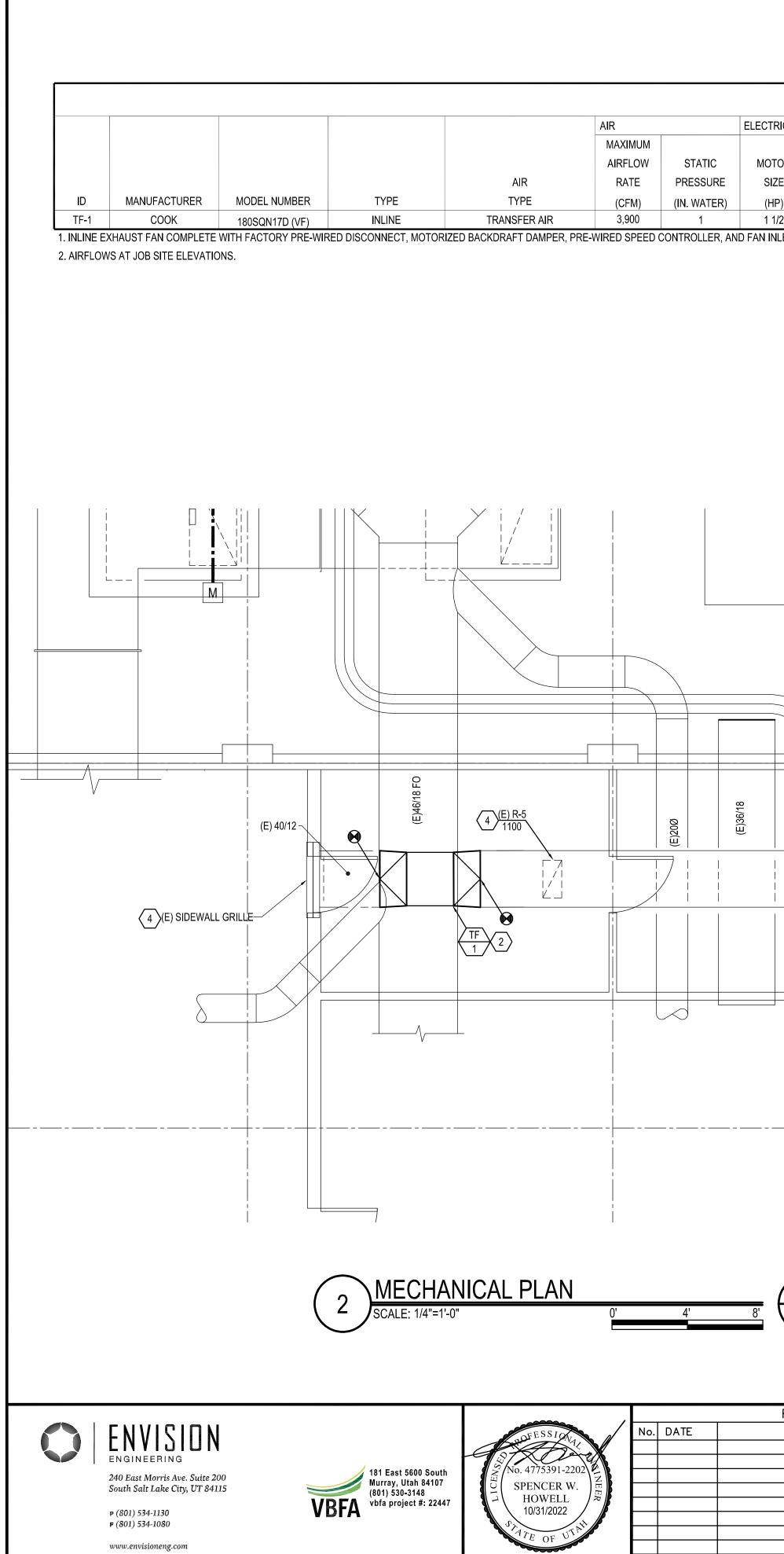
N TAG - TOP FIGURE IS SECTION NO. BOTTOM FIGURE IS SHEET NO.

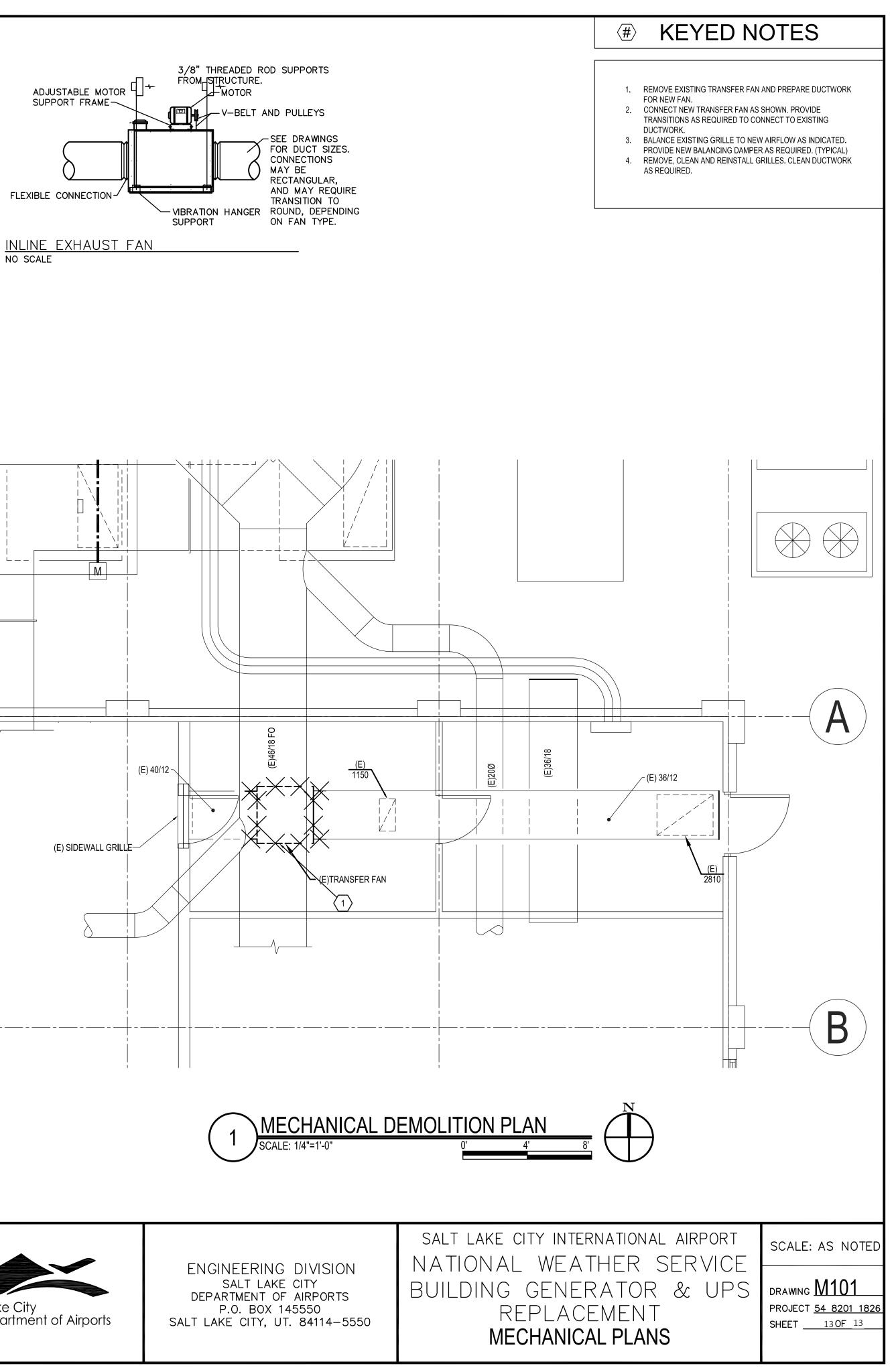
TAG - TOP FIGURE IS DETAIL NO. BOTTOM FIGURE IS SHEET NO.

ENT IDENTIFICATION

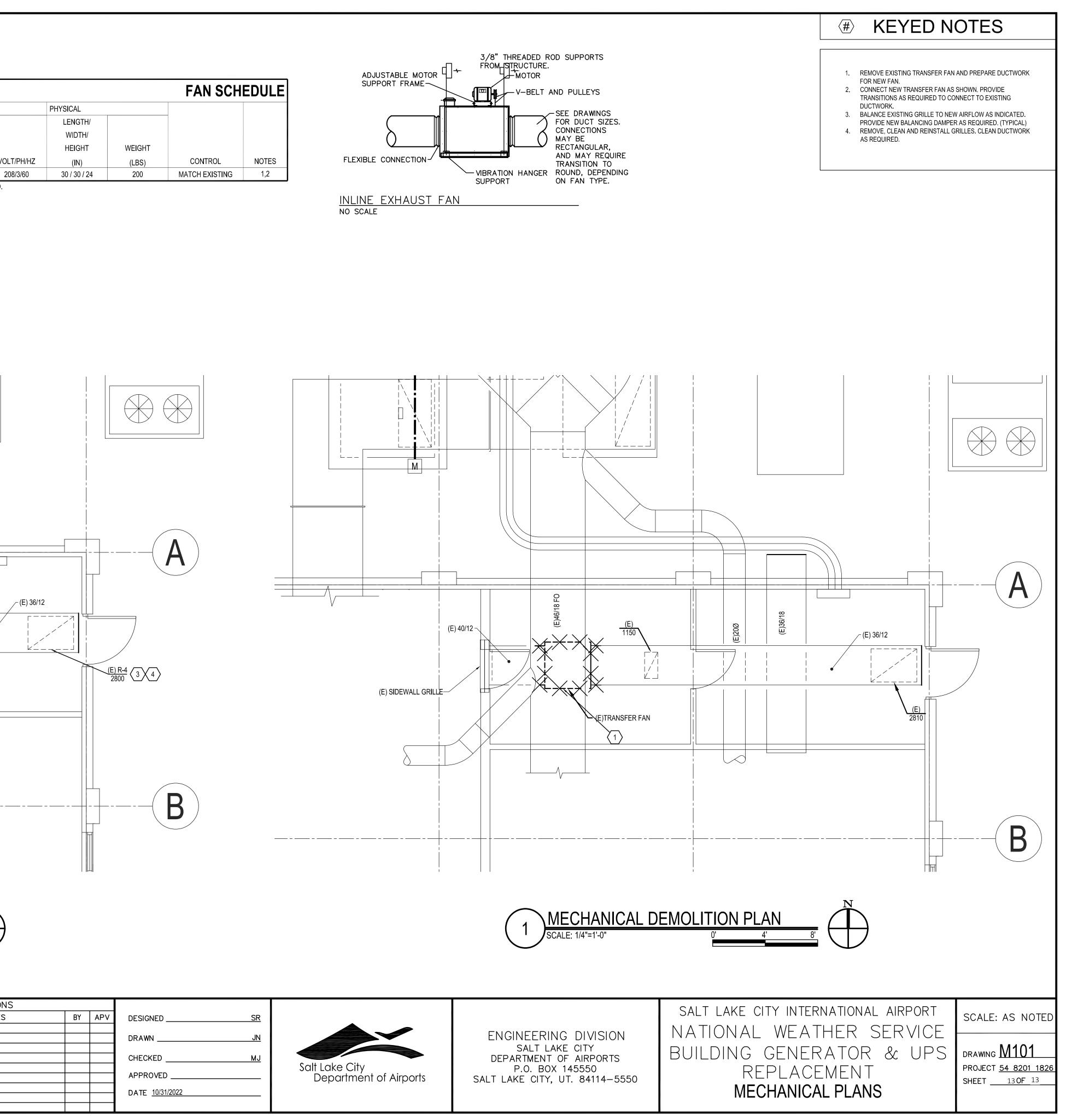
NOTE IDENTIFICATION

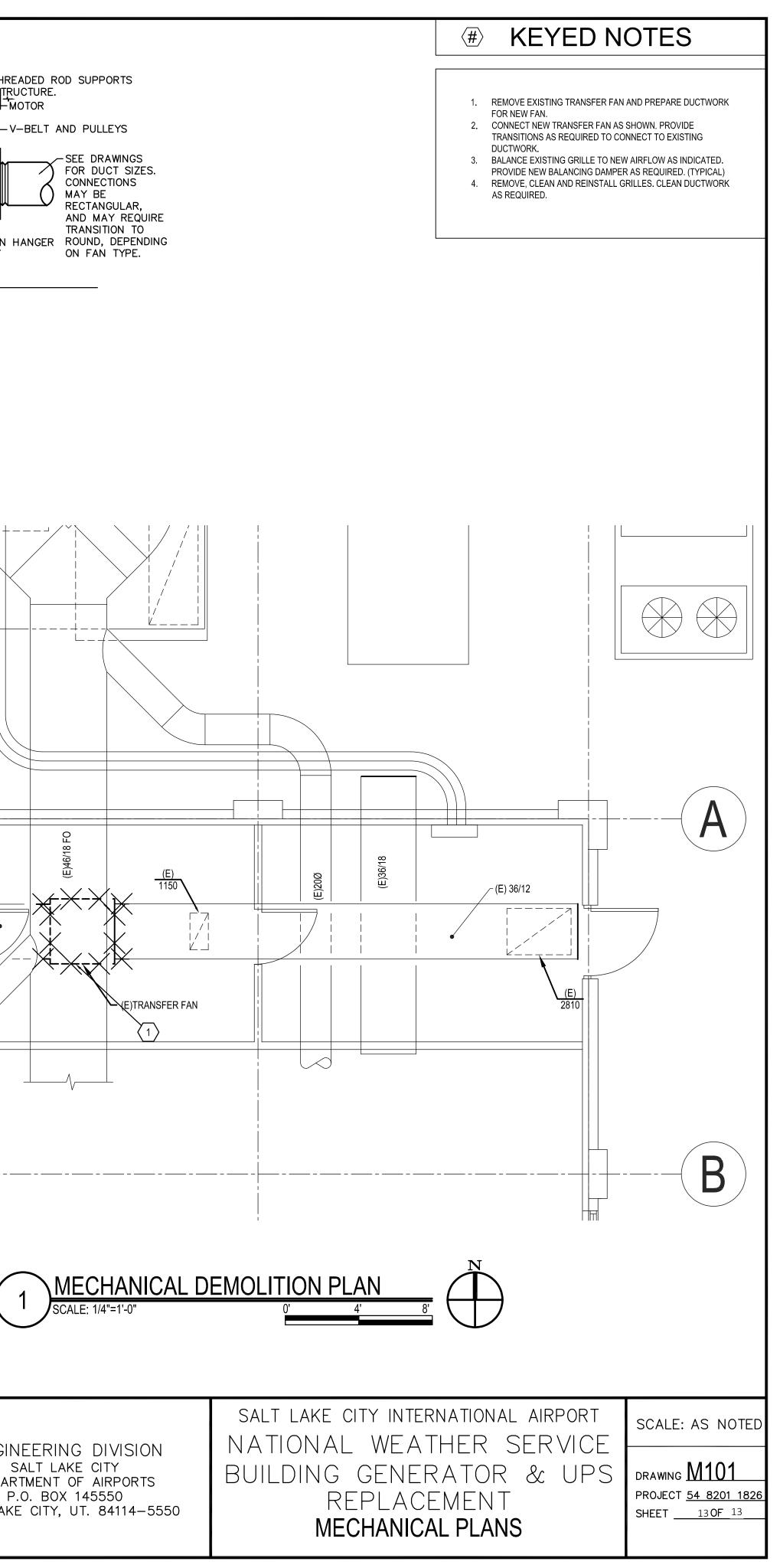






RICAL		PHYSICAL			
		LENGTH/			
OR		WIDTH/			
Έ		HEIGHT	WEIGHT		
^{>})	VOLT/PH/HZ	(IN)	(LBS)	CONTROL	NOTES
/2	208/3/60	30 / 30 / 24	200	MATCH EXISTING	1,2
LET GL	JARD.				





REVISIONS	
REMARKS	

DESIGNED	<u>SR</u>
DRAWN	JN
CHECKED	MJ
APPROVED	
DATE <u>10/31/2022</u>	



