

Jacky Clifford

16 Chestnut Street, Suite 220
Foxboro, MA 02035
Tel (508) 930-0974
Fax (774) 215-5423

Melanie Bachman
Acting Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Re: **Notice of Exempt Modification - Emergency Backup Generator**
22 WAYSIDE LANE, REDDING, CT 06892 (FA#10107968)

Dear Ms. Bachman:

American Telephone and Telegraph Company ("AT&T") currently maintains a wireless telecommunications facility at the above referenced address. AT&T's facility consists of antennas at the **The tower and AT&T's shelter are located within an existing, fenced-in compound area.** The shelter houses AT&T's equipment and space for a back-up generator. AT&T does not currently maintain a generator at this cell site.

In an effort to further enhance multiple tenants' network reliability, AT&T intends to modify its facility by installing a new **diesel-fueled generator outside** in a designated **4' x 8' ground space.** **The generator incorporates a built-in fuel tank as part of the unit. The diesel fuel tanks are double walled for added safety and will be filled by a licensed fuel filling company.** The proposed modification will **remain within the existing, fenced-in compound.** The new generator and tank will be surrounded by a security fence and gate and will be placed on a 4' x 8' concrete pad. (See Facility Compound Plan attached).

Please accept this letter as notification pursuant to R.C.S.A Section 16-50j-73, for construction that constitutes modification pursuant to R.C.S.A Section 16-50j-72(b)(2). In accordance with R.C.S.A Section 16-50j-73, a copy of this submission is being sent to the **Town of Redding.** A copy of this submission is also being sent to AP WIRELESS INFRASTRUCTURE PARTNERS LLC the property owner on which the tower is located.

AT&T's Proposed Wireless Modifications Constitute An "Exempt Modification"

The proposed modification to the above mentioned Facility constitutes an exempt modification of an existing facility provided for in R.C.S.A Section 16-50j-72(b)(2) and Council regulations promulgated pursuant thereto.

- 1) The proposed modification will not result in an increase in the height of the existing tower.

- 2) The generator and attached fuel tank will remain entirely within the limits of the leased area. The modifications therefore, will not require the extension of the boundary.
- 3) The proposed modification does not increase the noise levels at the boundary by six (6) decibels or more under normal conditions. Proposed modification is only used during emergency power failure.
- 4) The installation of a new generator and attached fuel tank will not change, in any way, radio frequency (RF) emissions at the facility.
- 5) The facility has received all municipal zoning approvals and building permits. (Regs., Conn. State Agencies Section 16-50j-72))

For all the foregoing reasons, American Telephone and Telegraph Company respectfully submits that the proposed modifications to the above-referenced telecommunications facility constitutes an exempt modification under R.C.S.A Section 16-50j-72(b)(2)

Respectfully submitted,

Jacky Clifford 508.446.1047

On behalf of AT&T

c/o Tower Resource Management, Inc.
16 Chestnut Street, Suite 220
Foxboro, MA 02035

cc: **Town of Redding, CT**

cc: AP WIRELESS INFRASTRUCTURE PARTNERS LLC- Property Owner

Exhibit 1

Site Plan



CONTRACTOR TO VERIFY EXISTING MUX LOCATION. IF MUX LOCATION IS OUTSIDE OF AT&T EQUIPMENT AREA, CONTRACTOR IS TO FIELD VERIFY THE PRESENCE OF EMERGENCY BACK-UP SERVICE TO THE MUX. IF EMERGENCY BACK-UP SERVICE IS NOT PRESENT, CONTRACTOR IS TO ROUTE NEW SERVICE FROM AT&T EQUIPMENT AREA.

NOTE:
A SITE VISIT/SURVEY WAS NOT CONDUCTED BY
ADVANCED ENGINEERING GROUP, P.C.
SITE INFORMATION AND PLANS ARE BASED UPON
INFORMATION PROVIDED BY CLIENT

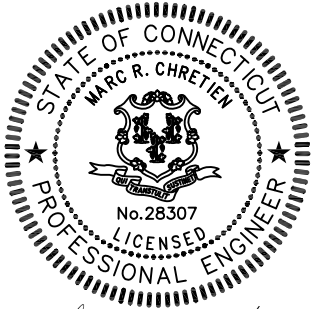
 **ADVANCED**
ENGINEERING GROUP, P.C.
Civil Engineering - Site Development
Surveying - Telecommunications
500 NORTH BROADWAY
EAST PROVIDENCE, RI 02914
PH: 401-354-2403 FAX:
401-633-6354

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SITE NUMBER:
10107968
SITE NAME:
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WAYSIDE LANE**
SITE ADDRESS:
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REDDING, CT 06892



Marc R. Chretien

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CHECKED BY:	SNA
DATE DRAWN:	12-30-13
JOB NO:	10107968

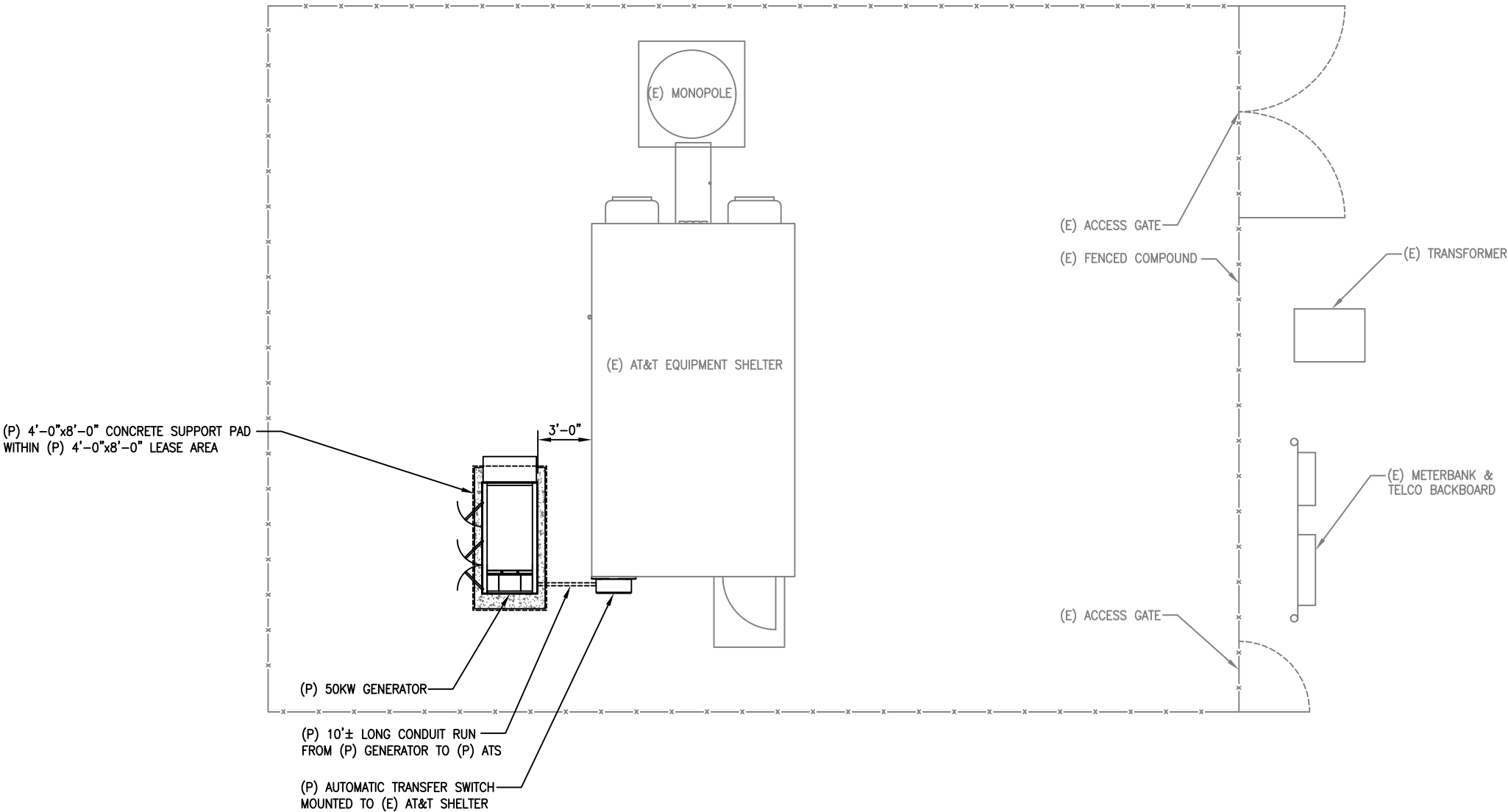
SHEET TITLE:

COMPOUND PLAN

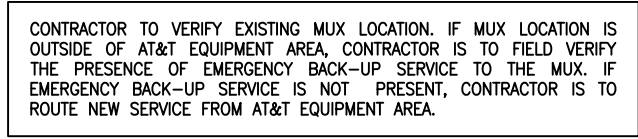
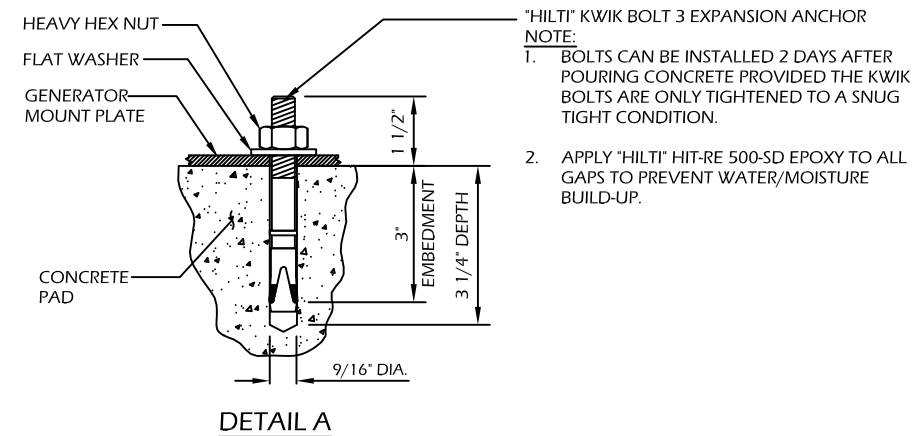
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A-1

1

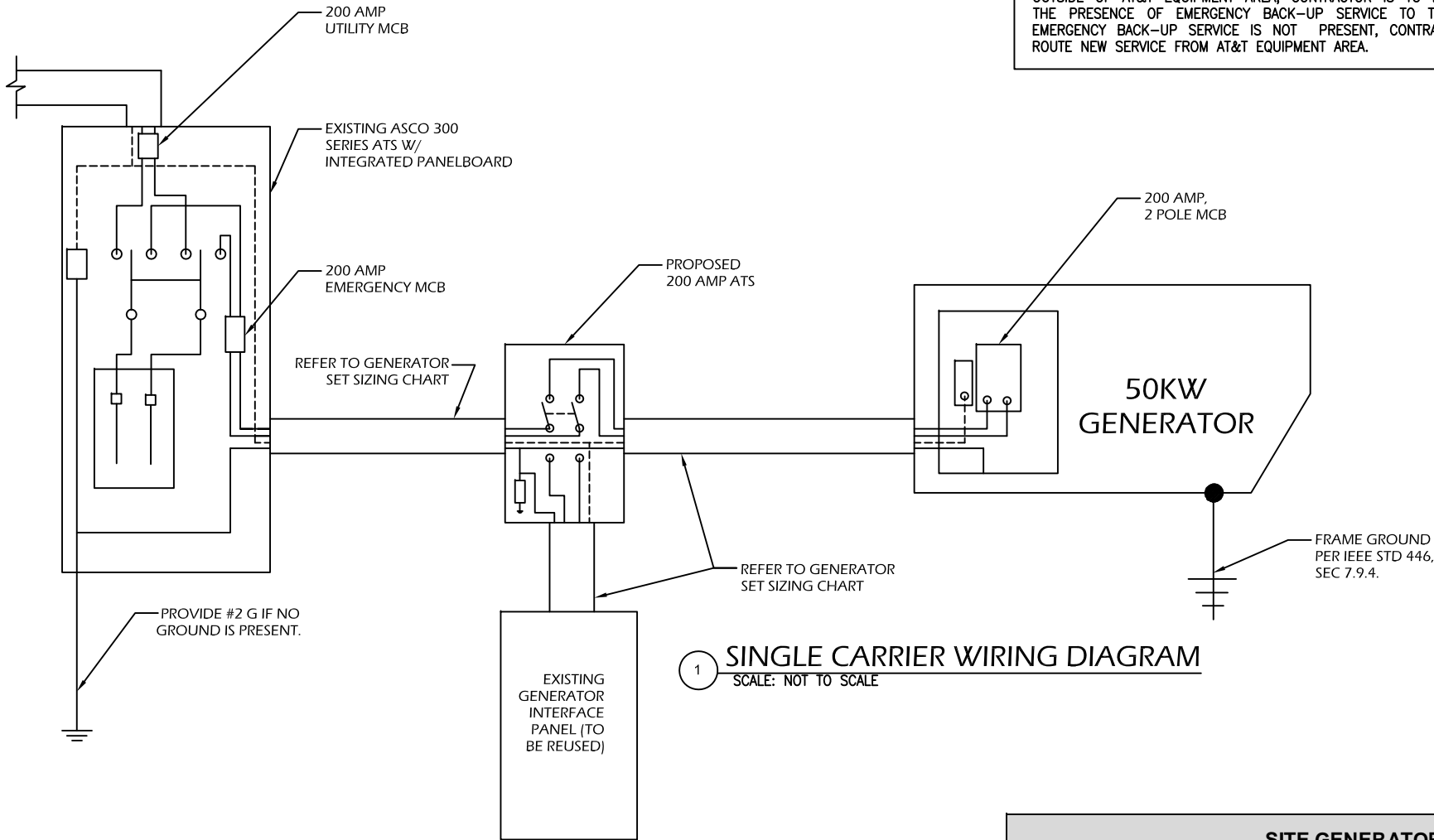


1 **COMPOUND PLAN**
SCALE: 1" = 8'-0"
0 4' 8' 16'



1. MAXIMUM DESIGN BASIC WIND SPEED (3-SECOND GUST):
155 MPH FOR GENERATOR MODELS SD050 AND SD080.

A-2



1 SINGLE CARRIER WIRING DIAGRAM
SCALE: NOT TO SCALE

FEEDER SIZING CHART FOR GENERATOR

GEN SET SIZE	VOLTS PHASE	PRIME RATING KW - AMPS	SIZE OF INLINE BREAKER (AT GENERATOR)	MAIN BREAKER SIZE SERVING ANCHOR TENANT:	FEEDER SIZES FROM GEN SET BREAKER TO DISTRIBUTION PANEL / ATS.
50KW	120/240V 1-PH	48KW - 200A	200A	200A 2-P C/B INTEGRAL TO GEN SET	3#3/0, 1#6G, IN 2" C

NOTES:

- SERVICE VOLTAGE FOR EACH CARRIER IS 120/240 1-PHASE, AND SERVICE SIZES ARE TYPICAL 200A PER CARRIER.
- DISTRIBUTION PANEL IS 800A, 120/240V 1-PHASE, WITH 200A C/B FOR THE LISTED CARRIER OUTPUT. PANEL HAS (3) 200A BREAKER SPACES FOR FUTURE CARRIERS.
- AUTOMATIC TRANSFER SWITCH (ATS) ARE 200A 2-POLES, 120/240V 1-PHASE WITH SOLID NEUTRAL PER CARRIER.
- ALL ELECTRICAL EQUIPMENT IS NEMA 3R RATED.
- THE GENERATOR ELECTRICAL LOADS ARE ADEQUATE FOR THE CONNECTED LOADS.
- ALL EQUIPMENT FURNISHED SHALL BE PROVIDED WITH EQUIPMENT RATED TO WITHSTAND FAULT CURRENT AVAILABLE AT PROJECT SITE.
- ALL WIRE AND PANEL BUSSING SHALL BE COPPER UNLESS ALLOWED ELSEWHERE IN THIS DOCUMENT SET, WIRE SIZES ARE BASED ON COPPER.
- A NEW SET OF PLANS WILL BE PROVIDED AND SUBMITTED FOR ADDITIONAL CARRIERS.
- ALL WORK SHALL CONFORM WITH THE CURRENT VERSION OF THE NEC AND ALL OTHER APPLICABLE CODES.
- FIRST OVER-CURRENT PROTECTION DEVICE IS INTEGRAL TO GENERATOR. FEEDER SIZES INDICATED IN TABLE ABOVE ARE DOWNSTREAM OF THE FIRST OVER-CURRENT PROTECTION DEVICE.
- INLINE BREAKER AT GENERATOR IS FACTORY INSTALLED, AND IS THE MANUFACTURER'S RECOMMENDED SIZE.

2 GENERATOR SET SIZING CHARTS

NOTES:

- ALL UNDERGROUND CABLE TO BE BURIED AT 36" MIN. SHIELD TAPED AT 12" AND STUBBED OUT OF GROUND IN SCH 40 PVC CONDUIT.
- LOW VOLTAGE CONTROL WIRE PROVIDED BY MONITORING PROVIDER IN SEPARATE 1/2" CONDUIT FROM ATS TO GENERATOR.
- BTS SITES: THE TENANT CONTRACTOR TO COMPLETE CUSTOMER ELECTRICAL CONDUIT TO CUSTOMER METER PER STANDARD COLLOCATION INSTALL.
- TENANT CONTRACTOR HAS NOTHING TO INSTALL OR COMPLETE FOR ATC SHARED GEN DURING CUSTOMER COLLOCATION ON TOWER.
- ALL CONDUCTORS ARE SIZED FOR COPPER, BUT ALUMINUM CONDUCTORS ARE ALLOWED FOR FEEDERS PROVIDED THEY ARE UPSIZED PER NEC TABLE 310.16.
- ALL ELECTRICAL WORK SHALL BE PER THE NATIONAL ELECTRICAL CODE (NFPA 70) AND ALL APPLICABLE LOCAL CODES.
- MAINTAIN 36" CLEAR WORKSPACE IN FRONT OF METER, TRANSFER SWITCH, GENERATOR, PANELS, ETC.
- 800A PANEL HAS A COMMON NEUTRAL BUS. NEUTRALS BACK TO EACH CARRIER METER ARE SIZED ACCORDING TO THE DISTRIBUTION PANEL BRANCH BREAKER RATING. NEUTRAL IS BONDED AT THE PRIMARY SERVICE MAIN BONDING JUMPER ONLY.
- GENERATOR CONTROLS AND SENSORS SHALL HAVE GFCI SENSING CAPABILITY PER NEC 700-6(D).

SITE GENERATOR CONTROL & ALARMS RECEPTACLE

Distributor for Deutsch connectors is LADD Industries. Contact: Melissa Watkins (800)-223-1236 melissaw@laddinc.com LADD website: LADD Industries- Deutsch IPD Electrical Connectors							
GENERATOR FUNCTION	DEUTSCH DTM0412PA-L012 SITE RECEPTACLE FOR GENERATOR ALARMS & CONTROL		CONNECTING CABLE			SITE CONNECTIONS	NOTES
	SOCKET PART #	PIN #	TYPE & PART #	SIZE	COLOR		
(CONTROL) AUTOMATIC START/STOP	# 16 AWG 1062-20-0122	1	SJTO (2 Conductor) ANIXTER #4BT-1602	#16 AWG	BLACK	AUTO TRANSFER SWITCH ENGINE CONTROL LEADS (FOR CINGULAR STANDARD: INTERSECT/ASCO USE TB #4 & #5 - SEE CONTROL WIRING WORKSHEET)	"CLOSE" = ENGINE START (NO)
	# 16 AWG 1062-20-0122	2		#16 AWG	WHITE		
(ALARM) GENERATOR RUNNING	# 22 AWG 0462-201-20141	3	(10 Conductor) BELDEN 8456	#22 AWG	BLACK	SITE EXTERNAL ALARM BLOCK (GENERATOR RUNNING-MAJOR)	"CLOSE" = ALARM (NO)
	# 22 AWG 0462-201-20141	4		#22 AWG	WHITE		
(ALARM) GENERATOR LOW FUEL	# 22 AWG 0462-201-20141	5		#22 AWG	RED	SITE EXTERNAL ALARM BLOCK (GENERATOR LOW FUEL-CRITICAL)	"CLOSE" = ALARM (NO)
	# 22 AWG 0462-201-20141	6		#22 AWG	GREEN		
(ALARM) GENERATOR FAIL - MAJOR [SHUTDOWN]	# 22 AWG 0462-201-20141	7		#22 AWG	BROWN	SITE EXTERNAL ALARM BLOCK (GENERATOR FAIL - CRITICAL)	"CLOSE" = ALARM (NO)
	# 22 AWG 0462-201-20141	8		#22 AWG	BLUE		
(ALARM) GENERATOR MISSING [THEFT]	# 22 AWG 0462-201-20141	9		#22 AWG	ORANGE	SITE EXTERNAL ALARM BLOCK (GENERATOR MISSING - MAJOR)	"OPEN" = ALARM (NC)
	# 22 AWG 0462-201-20141	10		#22 AWG	YELLOW		
(ALARM) GENERATOR WARNING - MINOR [NON-SHUTDOWN]	# 22 AWG 0462-201-20141	11		#22 AWG	PURPLE	SITE EXTERNAL ALARM BLOCK (GENERATOR WARNING - MAJOR)	"CLOSE" = ALARM (NO)
	# 22 AWG 0462-201-20141	12		#22 AWG	GRAY		
NA	WM-12S	RECEPTACLE WEDGE LOCK	NA	NA	NA	NA	NA

3 SITE GENERATOR CONTROL & ALARMS RECEPTACLE

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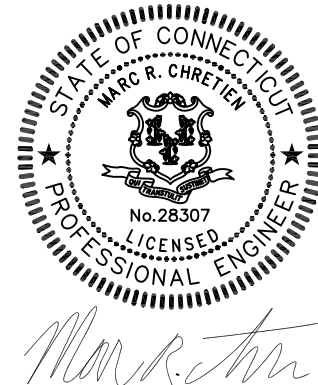
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Sabre Industries
13010 MORRIS ROAD, 6TH FLOOR, BLDG 1
ALPHARETTA, GA 30004

SITE NUMBER:
10107968

SITE NAME:
**REDDING
WAYSIDE LANE**

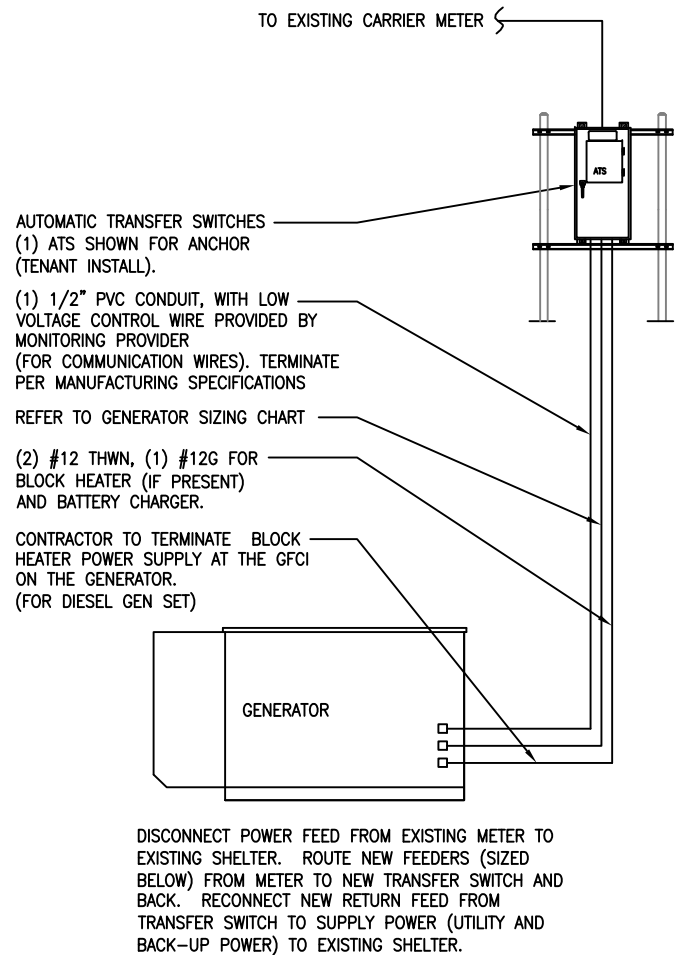
SITE ADDRESS:
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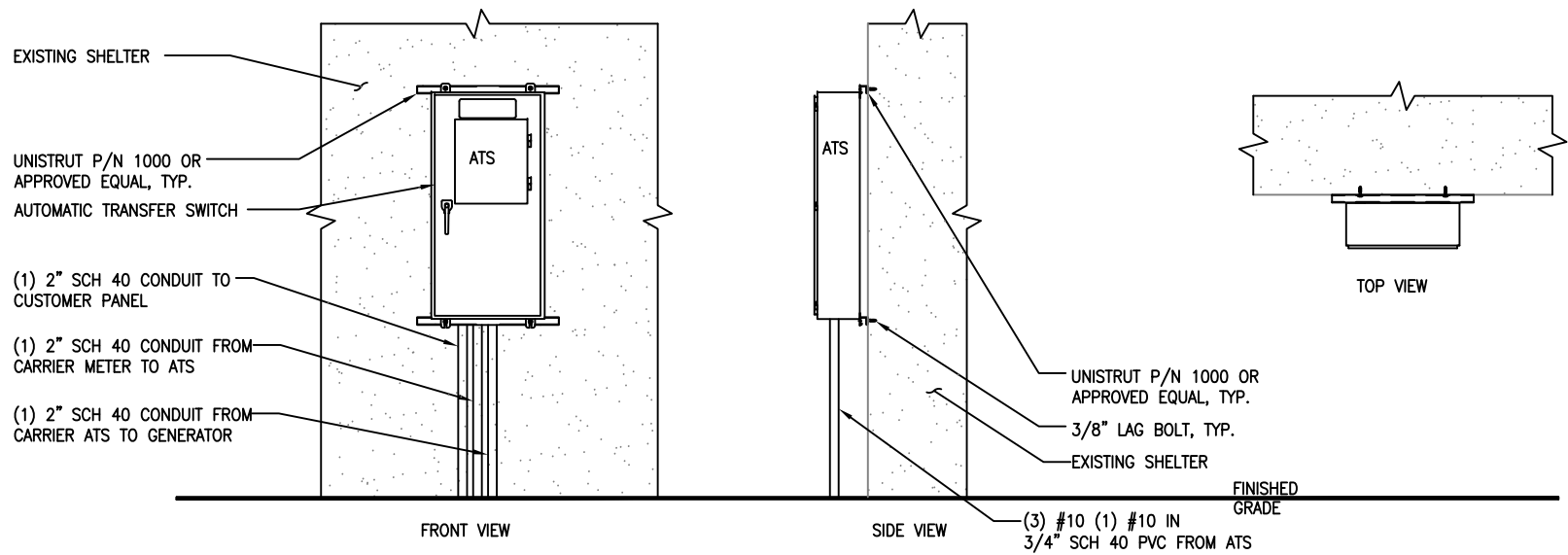
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DATE DRAWN:	12-30-13
JOB NO:	10107968
SHEET TITLE: WIRING DIAGRAM & SIZING CHARTS	
SHEET NUMBER: E-1	REV. # 1

NOTE: UTILITY POWER FEEDS SHALL BE CONNECTED TO THE TRANSFER SWITCH FROM THE LOAD SIDE OF THE EXISTING SERVICE DISCONNECT. NO MODIFICATIONS SHALL BE MADE ON THE LINE SIDE OF THE EXISTING SERVICE DISCONNECT.

CONTRACTOR TO VERIFY EXISTING MUX LOCATION. IF MUX LOCATION IS OUTSIDE OF AT&T EQUIPMENT AREA, CONTRACTOR IS TO FIELD VERIFY THE PRESENCE OF EMERGENCY BACK-UP SERVICE TO THE MUX. IF EMERGENCY BACK-UP SERVICE IS NOT PRESENT, CONTRACTOR IS TO ROUTE NEW SERVICE FROM AT&T EQUIPMENT AREA.



1 METER CONFIGURATION



2 ATS MOUNTING DETAIL
SCALE: NOT TO SCALE

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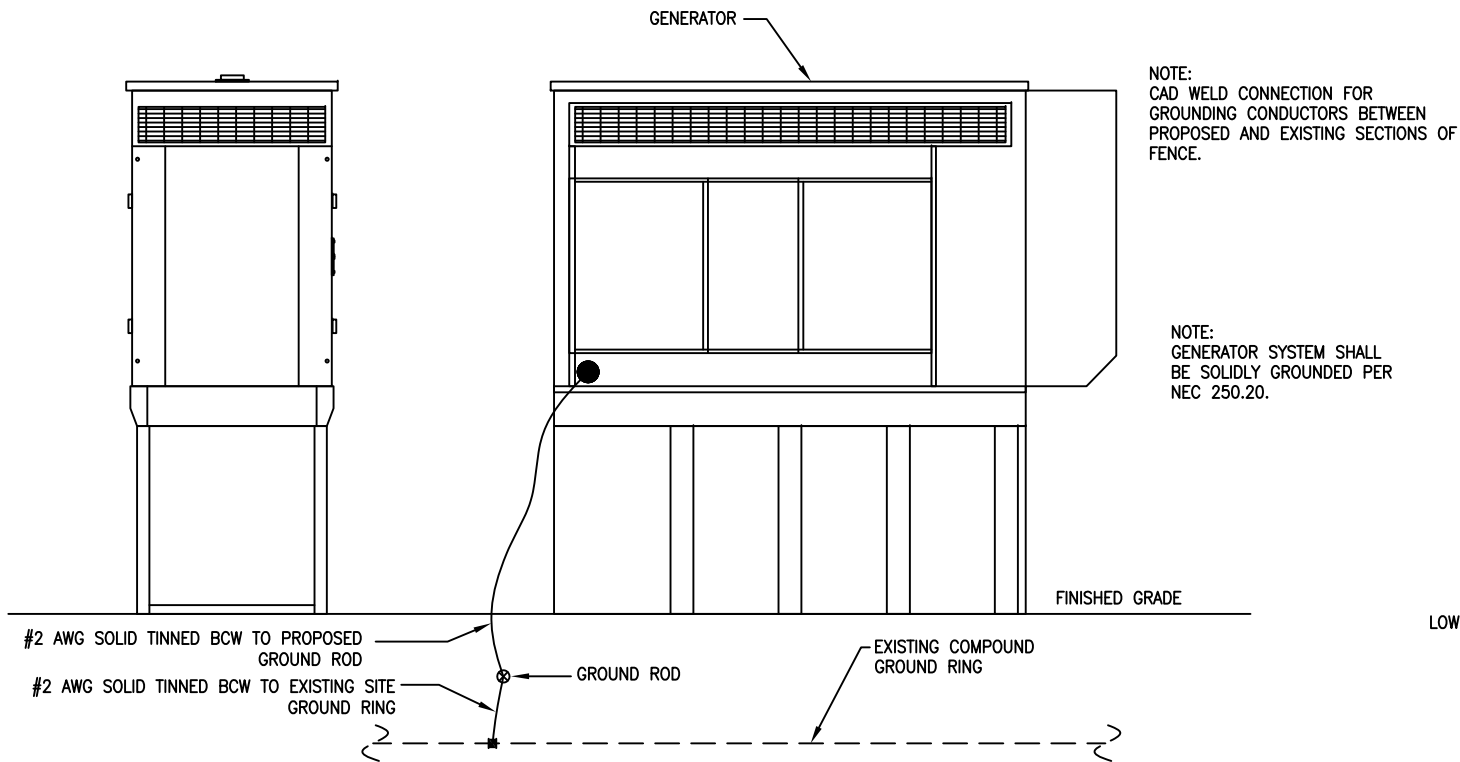
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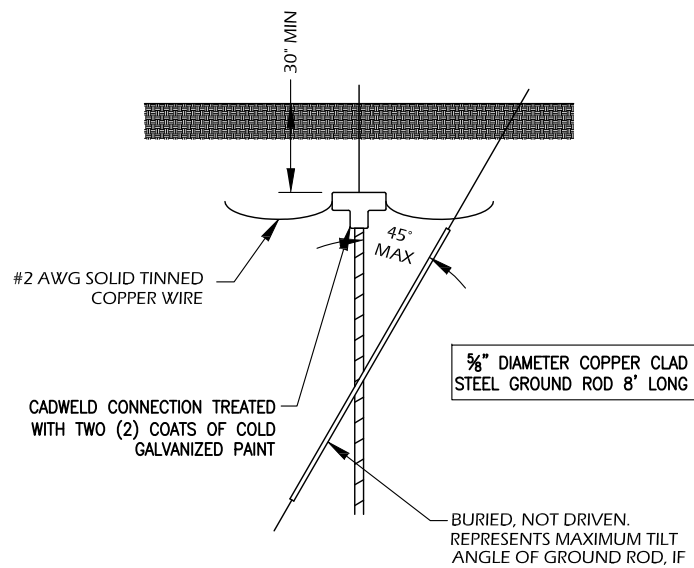
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WAYSIDE LANE**
SITE ADDRESS:
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REDDING, CT 06892

STATE OF CONNECTICUT
MARC R. CHRETIEN
No. 28307
LICENSED PROFESSIONAL ENGINEER
Marc R. Chretien

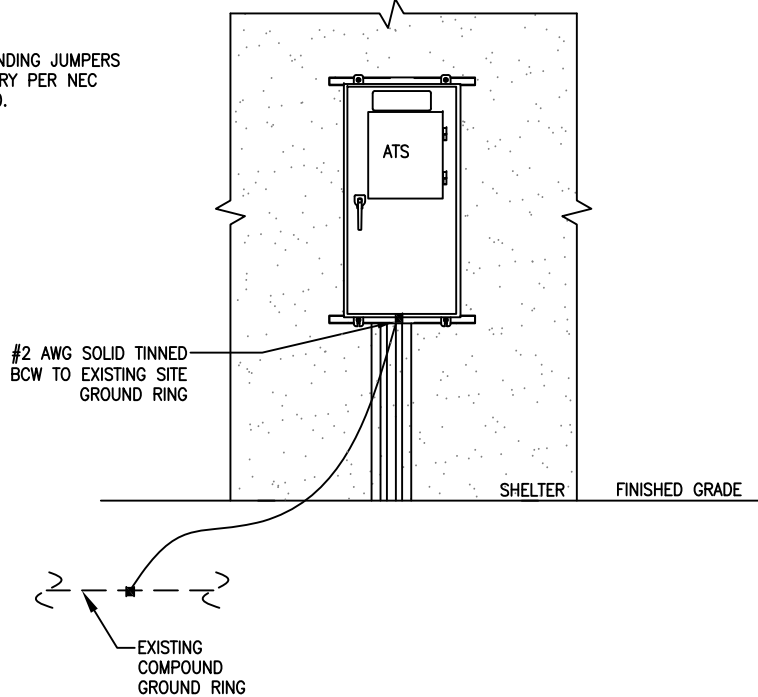
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JOB NO:	10107968
SHEET TITLE: ELECTRICAL & ATS MOUNTING DETAILS	
SHEET NUMBER: E-2	REV. # 1



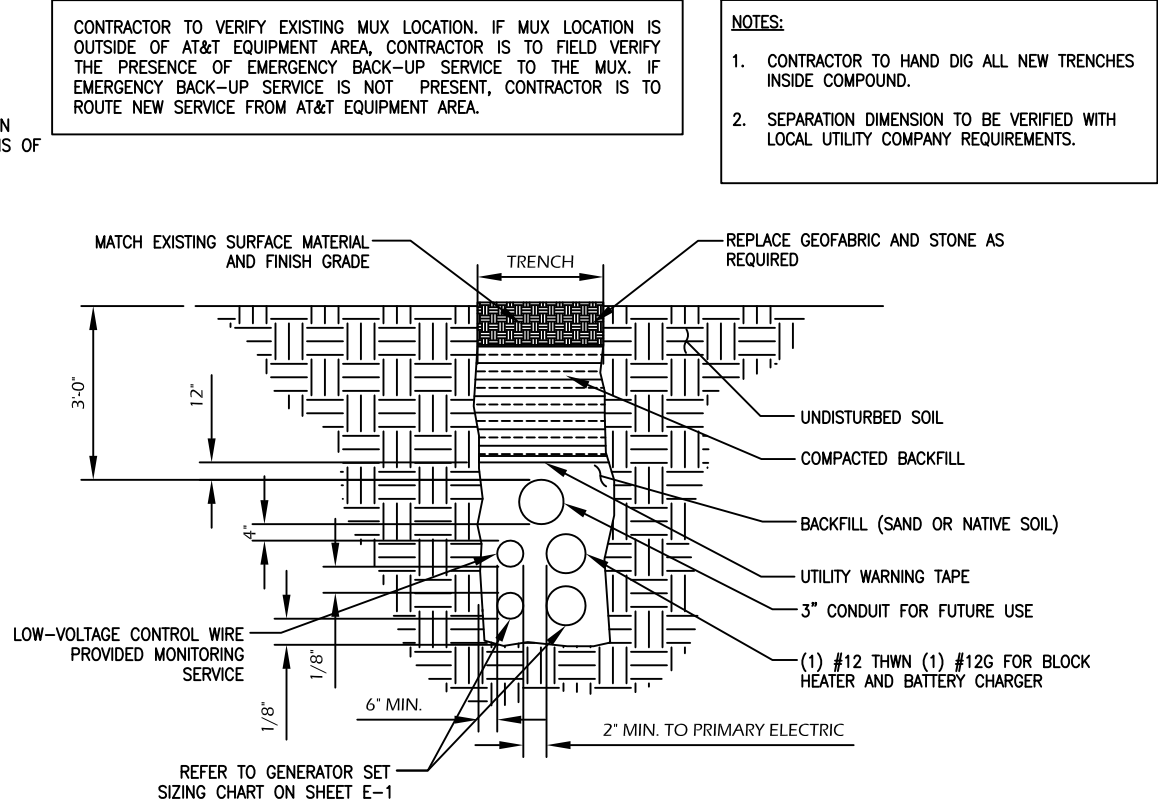
1 GENERATOR ELEVATION
SCALE: NOT TO SCALE



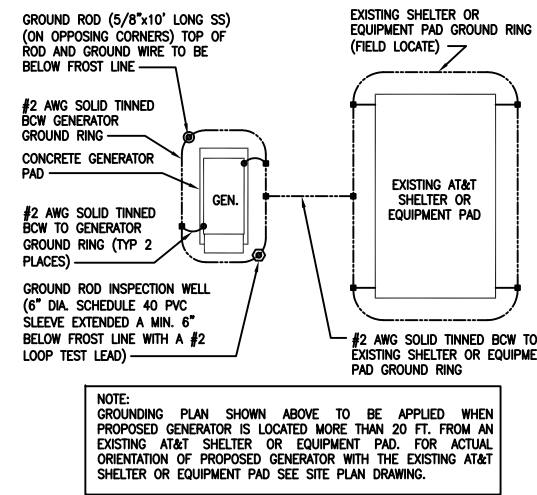
4 GROUND ROD DETAIL
SCALE: NOT TO SCALE



3 H-FRAME ELEVATION
SCALE: NOT TO SCALE



2 TRENCH DETAIL
SCALE: NOT TO SCALE



5 GENERATOR GROUND PLAN
SCALE: NOT TO SCALE

- NOTES:
- ELECTRICIAN SHALL VERIFY THAT GENERATOR IS INSTALLED SO THAT ELECTRICAL BACK-FEEDS ARE NOT POSSIBLE.
 - ELECTRICIAN SHALL VERIFY THAT GROUNDING IS INSTALLED SO THAT NO CIRCULATING CURRENTS ARE POSSIBLE BY FOLLOWING DETAIL 3 SO GROUNDING IS CONNECTED TO EXISTING TOWER GROUND FIELD.
 - ALL LIGHTNING GROUNDING SHALL BE FREE OF KINKS AND SHALL HAVE LONG RADIUS BENDS (MINIMUM 8").
 - ALL GROUNDING SHOULD BE INSTALLED PER CURRENT NEC, SECTION 250.
 - USE #2 AWG SOLID TINNED COPPER WIRE TO EXISTING (2) FENCE POSTS AND CADWELD FROM GENERATOR GROUND RING

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