



GENERATOR PROJECT

NORTH DYSART & ENCANTO

P829

FA-10107077

1551 NORTH DYSART ROAD
AVONDALE, AZ 85323



20830 N TATUM BLVD, 4TH FLOOR, PHOENIX AZ 85050

GENERAL DYNAMICS
Wireless Services

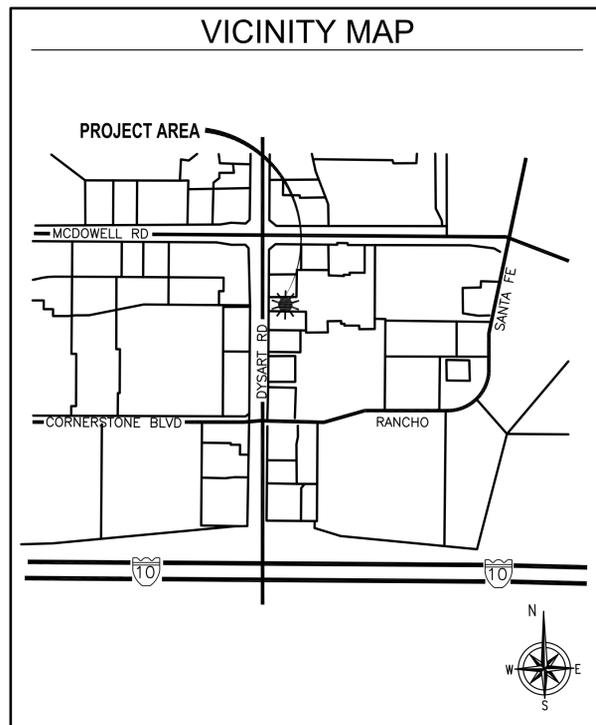
8220 E ROOSEVELT RD
SCOTTSDALE, ARIZONA 85257
PHONE: 480-391-2527

PLANS PREPARED BY:



PH: (602) 453-0050 FAX: (602) 453-0002

NO.	DATE	DESCRIPTION	BY:
A	11/06/12	ISSUED FOR REVIEW	TJ
B	09/05/13	ISSUED FOR REVIEW	LQN
C	10/07/13	ISSUED FOR LEASE APPROVAL	db
D	01/17/14	ZONING SUBMITTAL	HL
E	10/29/15	ZONING COMMENTS	BAK



CONSULTANT TEAM	
ARCHITECTURAL & ENGINEERING: RELIANT LAND SERVICES, INC. 3200 N HAYDEN RD, #205 SCOTTSDALE, AZ 85252 CONTACT: TATIANA JONES PHONE: (602) 453-0050	APPLICANT: AT&T MOBILITY 20830 N TATUM BLVD, 4TH FLOOR PHOENIX, AZ 85050 CONTACT: CARMELINA SCIGLIANO PHONE: (480) 515-7165
SAC/ZONING/PERMITTING: RELIANT LAND SERVICES, INC. 3200 N HAYDEN RD, #205 SCOTTSDALE, AZ 85252 CONTACT: CAROLE PARKS PHONE: (602) 453-0050	CONSTRUCTION: GENERAL DYNAMICS 8220 E ROOSEVELT RD. SCOTTSDALE, AZ 85257 CONTACT: KEN PRITCHETT PHONE: (713) 425-2459

APPROVALS			
THE FOLLOWING PARTIES HEREBY APPROVE AND ACCEPT THESE DOCUMENTS. ALL CONSTRUCTION DOCUMENTS ARE SUBJECT TO REVIEW BY THE LOCAL BUILDING DEPARTMENT AND ANY CHANGES AND MODIFICATIONS THEY MAY IMPOSE.			
	PRINT NAME	SIGNATURE	DATE
LAND OWNER	_____	_____	_____
AT&T MANAGER	_____	_____	_____
SITE ACQUISITION	_____	_____	_____
INTER CONNECT ENG.	_____	_____	_____
PLANNING	_____	_____	_____
CONSTRUCTION	_____	_____	_____
A & E	_____	_____	_____

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APPLICABLE CODES
2012 INTERNATIONAL BUILDING CODE 2012 NATIONAL ELECTRICAL CODE 2012 INTERNATIONAL MECHANICAL CODE 2012 INTERNATIONAL PLUMBING CODE 2006 INTERNATIONAL FIRE CODE

DEVELOPMENT SUMMARY	
NEW GENERATOR	
TYPE OF OCCUPANCY:	UNMANNED FACILITY
SITE ADDRESS:	1551 N DYSART ROAD AVONDALE, ARIZONA 85323
APN:	500-02-002-T
COUNTY:	MARICOPA COUNTY
JURISDICTION:	CITY OF AVONDALE
LATITUDE:	33° 28' 2.6" N
LONGITUDE:	112° 20.412' W
PROJECT AREA:	11'-0" X 15'-0"
EQUIPMENT ENCLOSURE:	EXISTING SHELTER
PROPERTY OWNER:	RICHARD & JUDY MINSHALL 1551 NORTH DYSART ROAD AVONDALE, ARIZONA 85323
EXISTING ZONING:	C-2
SCOPE OF WORK:	INSTALL NEW DIESEL GENERATOR WITH SUBBASE FUEL TANK ON NEW CONCRETE PAD. INTEGRATE EXISTING SERVICE WITH NEW GENERATOR

DRIVING DIRECTIONS

HEAD NORTHEAST ON N 46TH PL TOWARD E ROSE GARDEN LN
CONTINUE ONTO E ROSE GARDEN LN
CONTINUE STRAIGHT TO STAY ON E ROSE GARDEN LN
TURN RIGHT ONTO TATUM BLVD
USE THE RIGHT LANE TO TAKE THE RAMP ONTO AZ-101 LOOP W
MERGE ONTO AZ-101 LOOP W
TAKE EXIT 1A TO MERGE ONTO I-10 W TOWARD LOS ANGELES
TAKE EXIT 129 FOR DAYSART RD

DESTINATION WILL BE ON THE RIGHT

ACCESSIBILITY DISCLAIMER

THIS PROJECT IS AN UNOCCUPIED TELECOMMUNICATIONS FACILITY AND IS EXEMPT FROM DISABLED ACCESS REQUIREMENTS.

PROJECT WILL NOT RESULT IN ANY SIGNIFICANT LAND DISTURBANCE OR STORM WATER DRAINAGE ISSUES. NO SANITARY, POTABLE WATER OR TRASH DISPOSAL REQUIRED.

SITE INFORMATION:

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SHEET TITLE:

TITLE SHEET

SHEET NUMBER:

T-1

GENERAL NOTES

- PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING SUBCONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CONTRACTOR.
- ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. SUBCONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
- DRAWINGS PROVIDED HERE ARE NOT TO BE SCALED AND ARE INTENDED TO SHOW OUTLINE ONLY.
- UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
- THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
- IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE CONTRACTOR.
- SUBCONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER AND T1 CABLES, GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING AND TELCO PLAN DRAWING. SUBCONTRACTOR SHALL UTILIZE EXISTING TRAYS AND/OR SHALL ADD NEW TRAYS AS NECESSARY. SUBCONTRACTOR SHALL CONFIRM THE ACTUAL ROUTING WITH THE CONTRACTOR. ROUTING OF TRENCHING SHALL BE APPROVED BY CONTRACTOR
- THE SUBCONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT SUBCONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
- SUBCONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
- SUBCONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION.
- ALL CONCRETE REPAIR WORK SHALL BE DONE IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE (ACI) 301.
- ANY NEW CONCRETE NEEDED FOR THE CONSTRUCTION SHALL HAVE 4000 PSI STRENGTH AT 28 DAYS UNLESS OTHERWISE SPECIFIED. ALL CONCRETING WORK SHALL BE DONE IN ACCORDANCE WITH ACI 318 CODE REQUIREMENTS.
- ALL STRUCTURAL STEEL WORK SHALL BE DONE IN ACCORDANCE WITH AISC SPECIFICATIONS.
- CONSTRUCTION SHALL COMPLY WITH SPECIFICATION 24782-000-3APS-A00Z-00002, "GENERAL CONSTRUCTION SERVICES.
- SUBCONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS MUST BE VERIFIED. SUBCONTRACTOR SHALL NOTIFY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
- THE EXISTING CELL SITE IS IN FULL COMMERCIAL OPERATION. ANY CONSTRUCTION WORK BY SUBCONTRACTOR SHALL NOT DISRUPT THE EXISTING NORMAL OPERATION. ANY WORK ON EXISTING EQUIPMENT MUST BE COORDINATED WITH CONTRACTOR. ALSO, WORK MAY NEED TO BE SCHEDULED FOR AN APPROPRIATE MAINTENANCE WINDOW USUALLY IN LOW TRAFFIC PERIODS AFTER MIDNIGHT.
- SINCE THE CELL SITE MAY BE ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE REQUIRED TO BE WORN TO ALERT OF ANY DANGEROUS EXPOSURE LEVELS.

SITE WORK GENERAL NOTES:

- THE SUBCONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
- ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY CONTRACTOR. EXTREME CAUTION SHOULD BE USED BY THE SUBCONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. SUBCONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING & EXCAVATION.
- ALL SITE WORK SHALL BE AS INDICATED ON THE DRAWINGS AND PROJECT SPECIFICATIONS.
- IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
- ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF CONTRACTOR, OWNER AND/OR LOCAL UTILITIES.
- SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION.
- THE SUBCONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE AT&T MOBILITY SPECIFICATION FOR SITE SIGNAGE.
- THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE BTS EQUIPMENT AND TOWER AREAS.
- NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
- THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
- THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION.
- SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL JURISDICTION'S GUIDELINES FOR EROSION AND SEDIMENT CONTROL.

CONCRETE AND REINFORCING STEEL NOTES:

- ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 336, ASTM A184, ASTM A185 AND THE DESIGN AND CONSTRUCTION SPECIFICATION FOR CAST-IN-PLACE CONCRETE.
- ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS, UNLESS NOTED OTHERWISE.
- REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185 WELDED STEEL WIRE FABRIC UNLESS NOTED OTHERWISE. SPLICES SHALL BE CLASS "B" AND ALL HOOKS SHALL BE STANDARD, UNO.
- THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:

CONCRETE CAST AGAINST EARTH.....	3 IN.
CONCRETE EXPOSED TO EARTH OR WEATHER:	
#6 AND LARGER	2 IN.
#5 AND SMALLER & WWF.....	1 1/2 IN.
CONCRETE NOT EXPOSED TO EARTH OR WEATHER OR NOT CAST AGAINST THE GROUND:	
SLAB AND WALL	3/4 IN.
BEAMS AND COLUMNS.....	1 1/2 IN.
- A CHAMFER 3/4" SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNO, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.
- INSTALLATION OF CONCRETE EXPANSION/WEDGE ANCHOR, SHALL BE PER MANUFACTURER'S WRITTEN RECOMMENDED PROCEDURE. THE ANCHOR BOLT, DOWEL OR ROD SHALL CONFORM TO MANUFACTURER'S RECOMMENDATION FOR EMBEDMENT DEPTH OR AS SHOWN ON THE DRAWINGS. NO REBAR SHALL BE CUT WITHOUT PRIOR ENGINEERING APPROVAL WHEN DRILLING HOLES IN CONCRETE. EXPANSION BOLTS SHALL BE PROVIDED BY RAMSET/REDHEAD OR APPROVED EQUAL.
- CONCRETE CYLINDER TEST IS NOT REQUIRED FOR SLAB ON GRADE WHEN CONCRETE IS LESS THAN 50 CUBIC YARDS (UBC 1905.6.1.3) IN THAT EVENT THE FOLLOWING RECORDS SHALL BE PROVIDED BY THE CONCRETE SUPPLIER;

(A) RESULTS OF CONCRETE CYLINDER TESTS PERFORMED AT THE SUPPLIER'S PLANT,
(B) CERTIFICATION OF MINIMUM COMPRESSIVE STRENGTH FOR THE CONCRETE GRADE SUPPLIED.

FOR GREATER THAN 50 CUBIC YARDS THE GC SHALL PERFORM THE CONCRETE CYLINDER TEST.

GROUNDING NOTES

- THE SUBCONTRACTOR SHALL REVIEW AND INSPECT THE EXISTING FACILITY GROUNDING SYSTEM AND LIGHTNING PROTECTION SYSTEM (AS DESIGNED AND INSTALLED) FOR STRICT COMPLIANCE WITH THE NEC (AS ADOPTED BY THE AHJ), THE SITE-SPECIFIC (UL, LPI, OR NFPA) LIGHTNING PROTECTION CODE, AND GENERAL COMPLIANCE WITH TELCORDIA AND TIA GROUNDING STANDARDS. THE SUBCONTRACTOR SHALL REPORT ANY VIOLATIONS OR ADVERSE FINDINGS TO THE CONTRACTOR FOR RESOLUTION.
- ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION, AND AC POWER GES'S) SHALL BE BONDED TOGETHER, AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.
- THE SUBCONTRACTOR SHALL PERFORM IEEE FALL-OF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR NEW GROUND ELECTRODE SYSTEMS. THE SUBCONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS. TESTS SHALL BE PERFORMED IN ACCORDANCE WITH 24782-000-3PS-EG00-0001, DESIGN & TESTING OF FACILITY GROUNDING FOR CELL SITES.
- METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BTS EQUIPMENT.
- EACH BTS CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, 6 AWG STRANDED COPPER OR LARGER FOR INDOOR BTS; 2 AWG STRANDED COPPER FOR OUTDOOR BTS.
- EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
- APPROVED ANTIOXIDANT COATINGS (I.E., CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
- ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED WITH STAINLESS STEEL HARDWARE TO THE BRIDGE AND THE TOWER GROUND BAR.
- ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
- MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
- METAL CONDUIT AND TRAY SHALL BE GROUNDED AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH 6 AWG COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
- GROUND CONDUCTORS USED IN THE FACILITY GROUND AND LIGHTNING PROTECTION SYSTEMS SHALL NOT BE ROUTED THROUGH METALLIC OBJECTS THAT FORM A RING AROUND THE CONDUCTOR, SUCH AS METALLIC CONDUITS, METAL SUPPORT CLIPS OR SLEEVES THROUGH WALLS OR FLOORS. WHEN IT IS REQUIRED TO BE HOUSED IN CONDUIT TO MEET CODE REQUIREMENTS OR LOCAL CONDITIONS, NON-METALLIC MATERIAL SUCH AS PVC PLASTIC CONDUIT SHALL BE USED. WHERE USE OF METAL CONDUIT IS UNAVOIDABLE (E.G., NON-METALLIC CONDUIT PROHIBITED BY LOCAL CODE) THE GROUND CONDUCTOR SHALL BE BONDED TO EACH END OF THE METAL CONDUIT.
- ALL TOWER GROUNDING SYSTEMS SHALL COMPLY WITH THE REQUIREMENTS OF ANSI/TIA 222. FOR TOWERS BEING BUILT TO REV G OF THE STANDARD, THE WIRE SIZE OF THE BURIED GROUND RING AND CONNECTIONS BETWEEN THE TOWER AND THE BURIED GROUND RING SHALL BE CHANGED FROM 2 AWG TO 2/0 AWG. IN ADDITION, THE MINIMUM LENGTH OF THE GROUND RODS SHALL BE INCREASED FROM 8 FEET TO 10 FEET.

PAINTING/PAINT:

- THE CONTRACTOR SHALL PREPARE SURFACES, FURNISH ALL PAINT, MATERIAL, LABOR AND EQUIPMENT REQUIRED FOR THE PAINTING OF ALL SURFACES AS REQUIRED.
- PAINTS TO BE APPLIED IN ALL WORKMANLIKE MANNER. UPON COMPLETION, REMOVE ALL MATERIALS AND DEBRIS CAUSED BY THIS CONTRACTOR, ALL HARDWARE, FLOORS, GLASS, FRAMES FIXTURES AND THE LIKE SHALL BE THOROUGHLY CLEANED OF PAINT.
- REGULATORY REQUIREMENTS:** ALL MATERIALS MUST COMPLY WITH AIR POLLUTION CONTROL REGULATIONS, SUCH AS L.A. COUNTY APCD RULE 1113 AND BAY AREA PCD REG. 3.
- ALL STEEL COLUMNS AND MISC. METALS SHALL BE PRIMED AND PAINTED.
- FIRE PREVENTION:** TAKE EVERY PRECAUTION AT THE END OF THE DAY TO REMOVE OILY RAGS AND COMBUSTIBLE MATERIALS FROM THE SITE OR STORE IN METAL CONTAINER WITH TIGHT COVERS.
- FINAL TEXTURE AND COLOR PER OWNERS INSTRUCTIONS.
- SHOP PAINTING:** CONFORM TO AISC SPECIFICATION SEC M2 AND AISC CODE SEC. 6.5. DO NOT PRIME SURFACES TO BE FIREPROOFED IN CONTACT WITH CONCRETE, OR FIELD WELDED. STEEL WORK TO BE CONCEALED BY INTERIOR BUILDING FINISH OR TO BE IN CONTACT WITH CONCRETE DOES NOT REQUIRE PAINTING. ALL OTHER STEELWORKS SHALL BE GIVEN ONE COAT OF SHOP PAINT.



20830 N TATUM BLVD. 4TH FLOOR, PHOENIX AZ 85050

GENERAL DYNAMICS Wireless Services

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PLANS PREPARED BY:



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FA-10107077
1551 NORTH DYSART ROAD
AVONDALE, AZ 85323

SEAL:



SHEET TITLE:

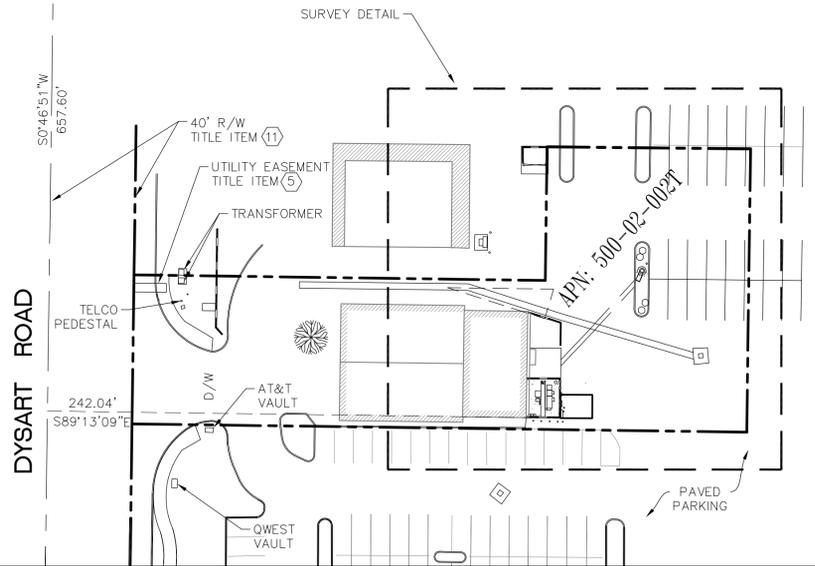
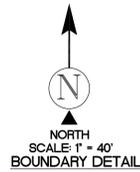
GENERAL NOTES & SPECIFICATIONS

SHEET NUMBER:

T-3

MCDOWELL ROAD

P.O.C.



LESSOR'S LEGAL DESCRIPTION

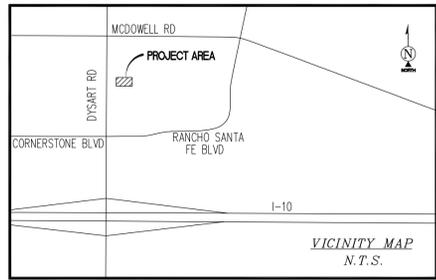
PARCEL 1: THAT PART OF LOT 4, SECTION 2, TOWNSHIP 1 NORTH, RANGE 1 WEST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA, DESCRIBED AS FOLLOWS: BEGINNING AT A POINT WHICH BEARS SOUTH 89° 33'00"EAST, 40.00 FEET AND SOUTH 00° 41'00"WEST, 531.25 FEET FROM THE NORTHWEST CORNER OF SAID LOT 4, SECTION 2; THENCE SOUTH 89° 33'00"EAST, 290.00 FEET PARALLEL TO AND 531.25 FEET SOUTH OF THE NORTH LINE OF SAID LOT 4, SECTION 2; THENCE SOUTH 00° 41'00"WEST, 133.11 FEET PARALLEL TO AND 330.00 FEET EAST OF THE WEST LINE OF SAID LOT 4, SECTION 2; THENCE NORTH 89° 19'51"WEST 290.00 FEET; THENCE NORTH 00° 41'00"EAST, 132.00 FEET, PARALLEL TO AND 40.00 FEET EAST OF THE WEST LINE OF SAID LOT 4, SECTION 2, TO THE POINT OF BEGINNING; EXCEPTING THEREFROM THAT PART MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCING AT THE NORTHWEST CORNER OF SAID SECTION 2; THENCE SOUTH 00° 41'00"WEST ALONG THE MONUMENT LINE OF DYSART ROAD, 531.25 FEET; THENCE SOUTH 89° 33'00"EAST TO THE EASTERLY RIGHT-OF-WAY LINE OF DYSART ROAD, 40.00 FEET AND THE TRUE POINT OF BEGINNING OF THIS DESCRIPTION; THENCE CONTINUING SOUTH 89° 33'00"EAST 290.00 FEET; THENCE SOUTH 00° 41'00"WEST 133.11 FEET; THENCE NORTH 89° 19'51"WEST, 43.00 FEET; THENCE NORTH 00° 41'00"EAST 52.00 FEET; THENCE NORTH 89° 19'00"WEST 53.00 FEET; THENCE NORTH 72° 28'00"WEST, 48.06 FEET; THENCE NORTH 89° 19' 00"WEST 148.00 FEET TO THE EASTERLY RIGHT-OF-WAY OF DYSART ROAD; THENCE NORTH 00° 41'00"EAST ALONG SAID RIGHT-OF-WAY, 66.00 FEET TO THE TRUE POINT OF BEGINNING OF THIS DESCRIPTION; AND EXCEPTING THEREFROM THAT PART MORE PARTICULARLY DESCRIBED AS FOLLOWS: THAT PART OF LOT 4, SECTION 2, TOWNSHIP 1 NORTH, RANGE 1 WEST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA, MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCING AT THE NORTHWEST CORNER OF SAID SECTION 2; THENCE SOUTH 00° 41'00"WEST ALONG THE WEST MONUMENT LINE OF SAID SECTION 2, A DISTANCE OF 531.25 FEET; THENCE SOUTH 89° 33'00" EAST, A DISTANCE OF 40.00 FEET TO A POINT ON THE EAST RIGHT-OF-WAY LINE OF DYSART ROAD AND THE POINT OF BEGINNING; THENCE CONTINUING SOUTH 89° 33'00"EAST, A DISTANCE OF 194.00 FEET; THENCE SOUTH 00° 41'03"WEST, A DISTANCE OF 62.80 FEET; THENCE NORTH 89° 19'00"WEST, A DISTANCE OF 194.00 FEET; THENCE NORTH 00° 41'00"EAST, A DISTANCE OF 62.00 FEET TO THE POINT OF BEGINNING. PARCEL 2: THAT PART OF LOT 4, SECTION 2, TOWNSHIP 1 NORTH, RANGE 1 WEST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA, MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCING AT THE NORTHWEST CORNER OF SAID SECTION 2; THENCE SOUTH 00° 41'00"WEST ALONG THE WEST MONUMENT LINE OF SAID SECTION 2, A DISTANCE OF 531.25 FEET; THENCE SOUTH 89° 33'00" EAST, A DISTANCE OF 40.00 FEET TO THE EAST RIGHT-OF-WAY LINE OF DYSART ROAD, A DISTANCE OF 62.00 FEET TO THE POINT OF BEGINNING; THENCE SOUTH 89° 19' 00"EAST, A DISTANCE OF 194.00 FEET; THENCE NORTH 00° 41'03"EAST, A DISTANCE OF 62.80 FEET TO A POINT ON THE NORTH LINE OF THE PARCEL DESCRIBED IN DOCKET 11032, PAGE 500 OF OFFICIAL RECORDS; THENCE SOUTH 89° 33'00"EAST A DISTANCE OF 96.00 FEET ALONG SAID NORTH LINE TO THENCE SOUTH 00° 41'00"WEST, A DISTANCE OF 133.11 FEET; THENCE NORTH 89° 19'51"WEST, A DISTANCE OF 43.00 FEET; THENCE NORTH 00° 41'00"EAST, A DISTANCE OF 52.00 FEET; THENCE NORTH 89° 19'00"WEST, A DISTANCE OF 53.00 FEET; THENCE NORTH 72° 28'00"WEST, A DISTANCE OF 48.05 FEET; THENCE NORTH 89° 19'00"WEST, A DISTANCE OF 148.00 FEET TO THE EAST RIGHT-OF-WAY LINE OF DYSART ROAD; THENCE NORTH 00° 41'00" EAST, A DISTANCE OF 4.00 FEET TO THE POINT OF BEGINNING.

SCHEDULE "B" NOTE

REFERENCE IS MADE TO THE TITLE REPORT ORDER #21302898, ISSUED BY FIRST AMERICAN TITLE INSURANCE COMPANY, DATED OCTOBER 29, 2015 4TH AMENDMENT. ALL EASEMENTS CONTAINED WITHIN SAID TITLE REPORT AFFECTING THE IMMEDIATE AREA SURROUNDING THE LEASE HAVE BEEN PLOTTED. NOTE: SCHEDULE B ITEMS 1-4, 6, 9-10, 13 AND 15-18 ARE NOT SURVEY MATTERS, ARE UNPLOTTABLE OR HAVE NO AFFECT ON THE LEASE AREA. (5) AN EASEMENT FOR ELECTRIC AND INCIDENTAL PURPOSES, RECORDED IN DOCKET 11058, PAGE 1146 OF OFFICIAL RECORDS AND MATTERS SET FORTH THEREIN. (PLOTTED) (7) AN EASEMENT FOR COMMON DRIVEWAY AND INCIDENTAL PURPOSES, RECORDED IN DOCKET 15346, PAGE 869 OF OFFICIAL RECORDS AND MATTERS SET FORTH THEREIN. (PLOTTED) 8. ANY ACTION THAT MAY BE TAKEN BY THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY TO ACQUIRE EASEMENTS, RIGHTS OF WAY, OR RESTRICTIVE RIGHTS FOR DRAINAGE AS DISCLOSED BY RESOLUTION RECORDED AS 1984-0324528, AND IN 1986-0124982, AND IN 1986-0372849, AND IN 1986-0386769, AND IN 1986-0685576 AND IN 2001-0725659 OF OFFICIAL RECORDS. (EXACT LOCATION IS INDETERMINATE) (11) EASEMENTS, RESTRICTIONS, RESERVATIONS, CONDITIONS AND SET-BACK LINES AS SET FORTH ON THE PLAT RECORDED IN BOOK 458 OF MAPS, PAGE 20, BUT DELETING ANY COVENANT, CONDITION OR RESTRICTION INDICATING A PREFERENCE, LIMITATION OR DISCRIMINATION BASED ON RACE, COLOR, RELIGION, SEX, HANDICAP, FAMILIAL STATUS OR NATIONAL ORIGIN TO THE EXTENT SUCH COVENANTS, CONDITIONS OR RESTRICTIONS VIOLATE 42 USC 3604(C). (PLOTTED) 12. A LEASE DATED MARCH 21, 2006, EXECUTED BY RICHARD MINSHALL AND JUDY MINSHALL AS LESSOR AND NEW CINGULAR WIRELESS PCS, LLC., A DELAWARE LIMITED LIABILITY COMPANY AS LESSEE, RECORDED MAY 10, 2003 AS 2006-0634155 OF OFFICIAL RECORDS. (EXACT LOCATION IS INDETERMINATE) (14) THE EFFECT OF A MAP PURPORTING TO SHOW THE LAND RECORDED IN BOOK 1076 OF SURVEYS, PAGE 29. (PLOTTED AS PARENT PARCEL)

LEASE AREA LEGAL DESCRIPTION

A PORTION OF LOT 4, SECTION 2, TOWNSHIP 1 NORTH, RANGE 1 WEST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCING AT THE APPARENT CENTERLINE INTERSECTION OF DYSART ROAD AND MCDOWELL ROAD, THENCE SOUTH 00°46'51" WEST ALONG THE APPARENT CENTERLINE OF DYSART ROAD, A DISTANCE OF 657.60 FEET; THENCE DEPARTING SAID CENTERLINE SOUTH 89°13'09" EAST, A DISTANCE OF 242.04 FEET TO THE POINT OF BEGINNING; THENCE NORTH 00°16'11" WEST, A DISTANCE OF 11.00 FEET; THENCE SOUTH 89°43'49" EAST, A DISTANCE OF 15.00 FEET; THENCE SOUTH 00°16'11" WEST, A DISTANCE OF 11.00 FEET; THENCE NORTH 89°43'49" WEST, A DISTANCE OF 15.00 FEET TO THE POINT OF BEGINNING. CONTAINING 165 SQUARE FEET MORE OR LESS. RESERVING NONEXCLUSIVE RIGHT OF USE ACROSS LESSOR'S PROPERTY FOR NECESSARY APPURTENANCES TO CONSTRUCT, OPERATE, AND MAINTAIN A COMMUNICATION FACILITY FOR ITEMS SUCH AS, BUT NOT LIMITED TO INGRESS, EGRESS, PARKING, VEHICULAR MANEUVERING, EQUIPMENT, AND UTILITIES.



DIRECTIONS TO SITE FROM SKY HARBOR AIRPORT: HEAD WEST ON I-10. TAKE EXIT 129/DYSART RD. TURN RIGHT ONTO DYSART ROAD.SITE IS ON RIGHT.

BASIS OF BEARING BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM ARIZONA STATE PLANE COORDINATE ZONE CENTRAL, DETERMINED BY GPS OBSERVATIONS.

SURVEYOR'S NOTES SURVEYOR HAS NOT PERFORMED A SEARCH OF PUBLIC RECORDS TO DETERMINE ANY DEFECT IN TITLE ISSUED. THE BOUNDARY SHOWN HEREON IS PLOTTED FROM RECORD INFORMATION AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTY.

UTILITY NOTES

SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS ARE DEFINITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT BLUE STAKE AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/ OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

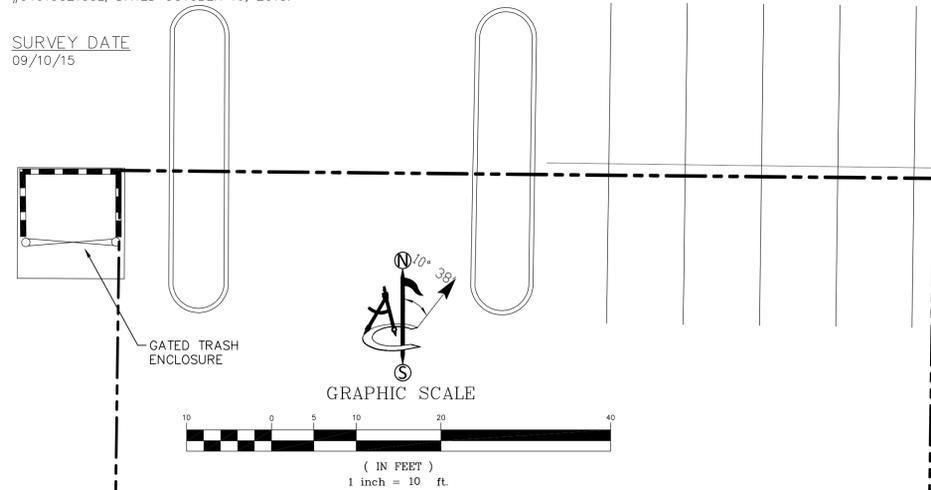
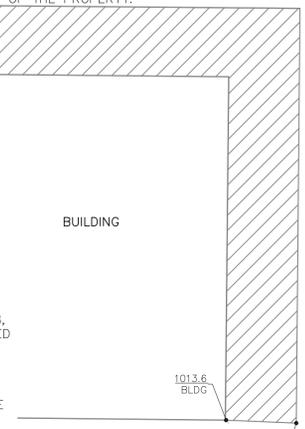
BENCHMARK

PROJECT ELEVATIONS ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS 'GEOID 09' MODELED SEPARATIONS TO ELLIPSOID HEIGHTS DETERMINED BY RAW STATIC GPS DATA PROCESSED ON THE NGS OPUS WEBSITE. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88.

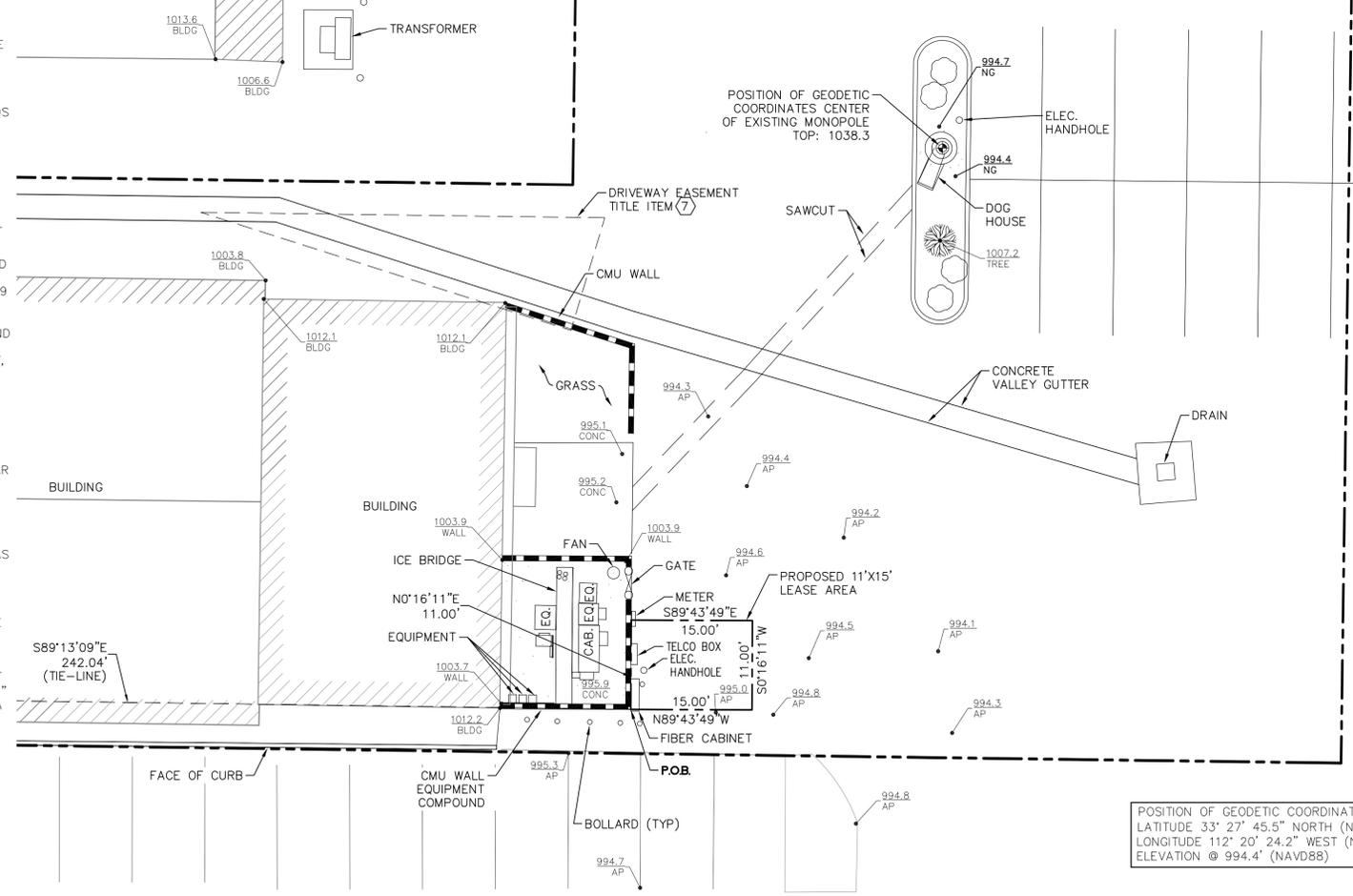
FLOOD_ZONE

THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD_ZONE "X" AREAS OF 500 YEAR FLOOD; 100-YEAR FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITHIN DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 100 YEAR FLOOD ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP(S), MAP ID #04013C2155L, DATED OCTOBER 16, 2013.

SURVEY DATE 09/10/15



LEGEND: BLDG TOP OF BUILDING, EQ. EQUIPMENT, CMU CONCRETE MASONRY UNIT, CONC CONCRETE, CAB CABINET, WALL TOP OF WALL, P.O.C. POINT OF COMMENCEMENT, P.O.B. POINT OF BEGINNING, POSITION OF GEODETIC COORDINATES SPOT ELEVATION, TREE, SHRUB, CMU WALLS, SUBJECT PROPERTY LINE, TIE LINES, LEASE AREA LIMITS



POSITION OF GEODETIC COORDINATES LATITUDE 33° 27' 45.5" NORTH (NAD83) LONGITUDE 112° 20' 24.2" WEST (NAD83) ELEVATION @ 994.4' (NAVD88)



12900 PARK PLAZA DRIVE CERRITOS, CA 90703

PROJECT INFORMATION: NORTH DYSART & ENCANTO 1551 NORTH DYSART ROAD AVONDALE, AZ 85323

ORIGINAL ISSUE DATE: 09/11/2015

Table with columns: REV., DATE, DESCRIPTION, BY. Row 1: 0, 09/11/2015, SUBMITTAL, CK. Row 2: 1, 11/11/2015, ADD TITLE, CK.

PLANS PREPARED BY:

GENERAL DYNAMICS Wireless Services 8220 E ROOSEVELT RD SCOTTSDALE, ARIZONA 85257 PHONE: 480-391-2527

CONSULTANT: Ambit CONSULTING 428 MAIN STREET SUITE 206 HUNTINGTON BEACH, CA 92648 (480)659-4072

DRAWN BY: CK CHK.: NS APV.: MF

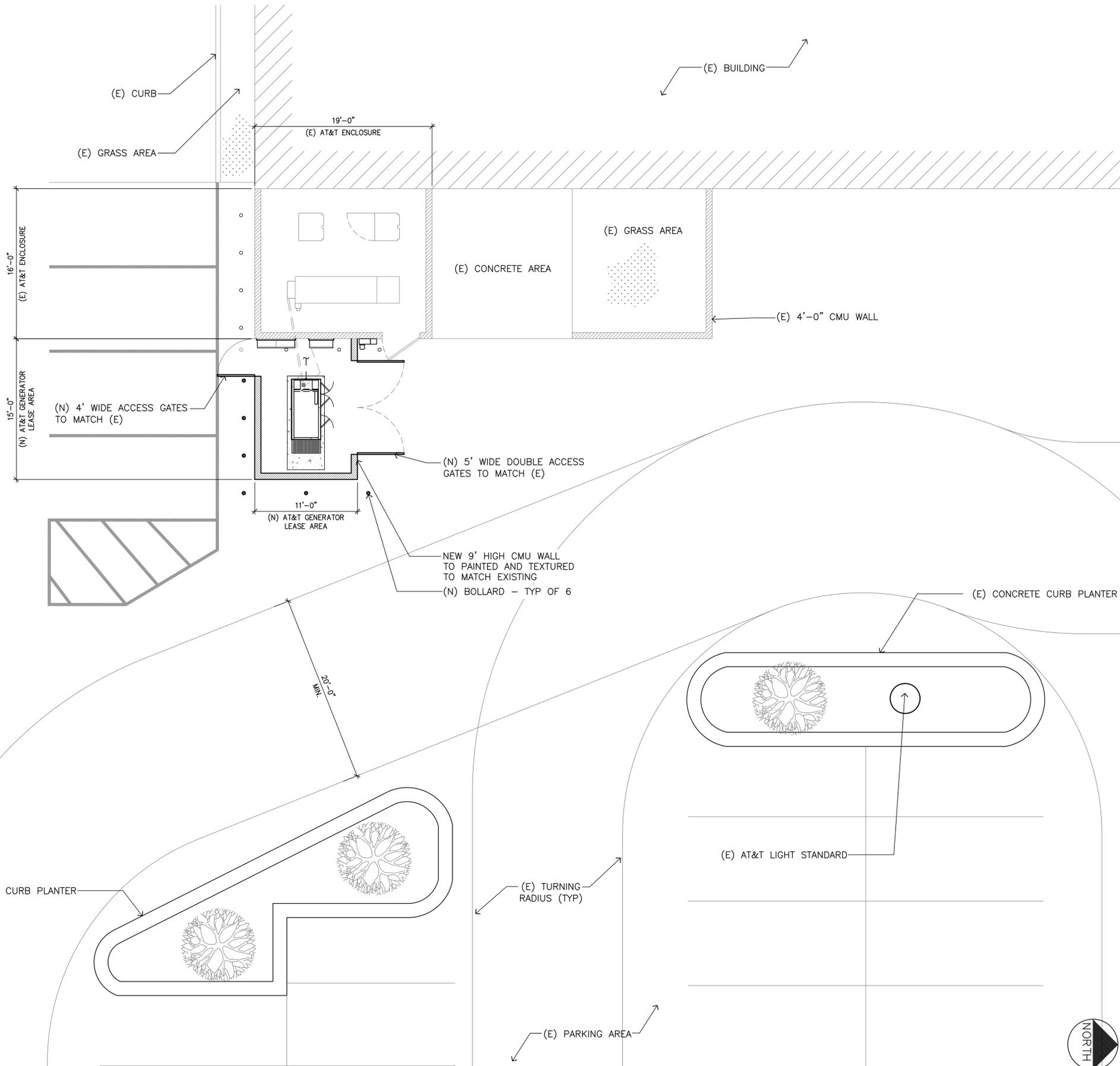
LICENSER: MATHIEW R. FORD REGISTERED LAND SURVEYOR No. 52961 State of Arizona, U.S.A. EXPIRES 12/31/17

SHEET TITLE: SITE SURVEY

SHEET NUMBER: LS-1

NOTE:
 THESE DRAWINGS WERE CREATED WITHOUT A SURVEY.
 a. ALL UTILITY LINES LESS THAN 69KV SHALL BE UNDERGROUND WITH THE FIRST PHASE OF DEVELOPMENT.
 b. ALL GROUND-MOUNTED EQUIPMENT SHALL BE SCREENED/CONCEALED FROM STREET VIEW.
 c. PLANTS LOCATED WITHIN REQUIRED AASHTO SIGHT VISIBILITY TRIANGLES SHALL BE PRUNED REGULARLY TO PERMIT UNOBSTRUCTED VISION. PLANTS MATERIALS SHALL BE MAINTAINED TO BE LOWER THAN 2' (SHRUBS) OR TALLER THAN 7' (BOTTOM OF TREE CANOPY).
 d. FUTURE DEVELOPMENT PADS WITHIN MASTER PLANNED DEVELOPMENTS SHALL BE COVERED WITH A MINIMUM OF 2" THICK DECOMPOSED GRANITE FOR DUST CONTROL AT TIME OF DEVELOPMENT.
 e. ALL DEVELOPMENTS SHALL BE MAINTAINED IN CONFORMANCE WITH THE APPROVED SITE PLAN AND LANDSCAPE PLAN. ANY CHANGES THERETO SHALL REQUIRE APPROVAL OF THE CITY OF AVONDALE.
 f. THIS PROJECT IS SUBJECT TO THE CURRENT AVONDALE GENERAL ENGINEERING REQUIREMENTS (AND MAG SUPPLEMENTAL REGULATIONS), COMMERCIAL/INDUSTRIAL/MULTI-FAMILY DESIGN MANUAL, ZONING ORDINANCE, GENERAL PLAN, AND ANY APPLICABLE SPECIFIC PLANS.

(E) PARKING AREA



20830 N TATUM BLVD, 4TH FLOOR, PHOENIX AZ 85050

GENERAL DYNAMICS
 Wireless Services

8220 E ROOSEVELT RD
 SCOTTSDALE, ARIZONA 85257
 PHONE: 480-391-2527

PLANS PREPARED BY:



3200 N HAYDEN RD, #205
 SCOTTSDALE, AZ 85252

PH: (602) 453-0050 FAX: (602) 453-0002

NO.	DATE	DESCRIPTION	BY:
A	11/06/12	ISSUED FOR REVIEW	TJ
B	09/05/13	ISSUED FOR REVIEW	LQN
C	10/07/13	ISSUED FOR LEASE APPROVAL	db
D	01/17/14	ZONING SUBMITTAL	HL
E	10/29/15	ZONING COMMENTS	BAK

SITE INFORMATION:
NORTH DYSART & ENCANTO
P829
FA-10107077
 1551 NORTH DYSART ROAD
 AVONDALE, AZ 85323



SHEET TITLE:
SITE PLAN

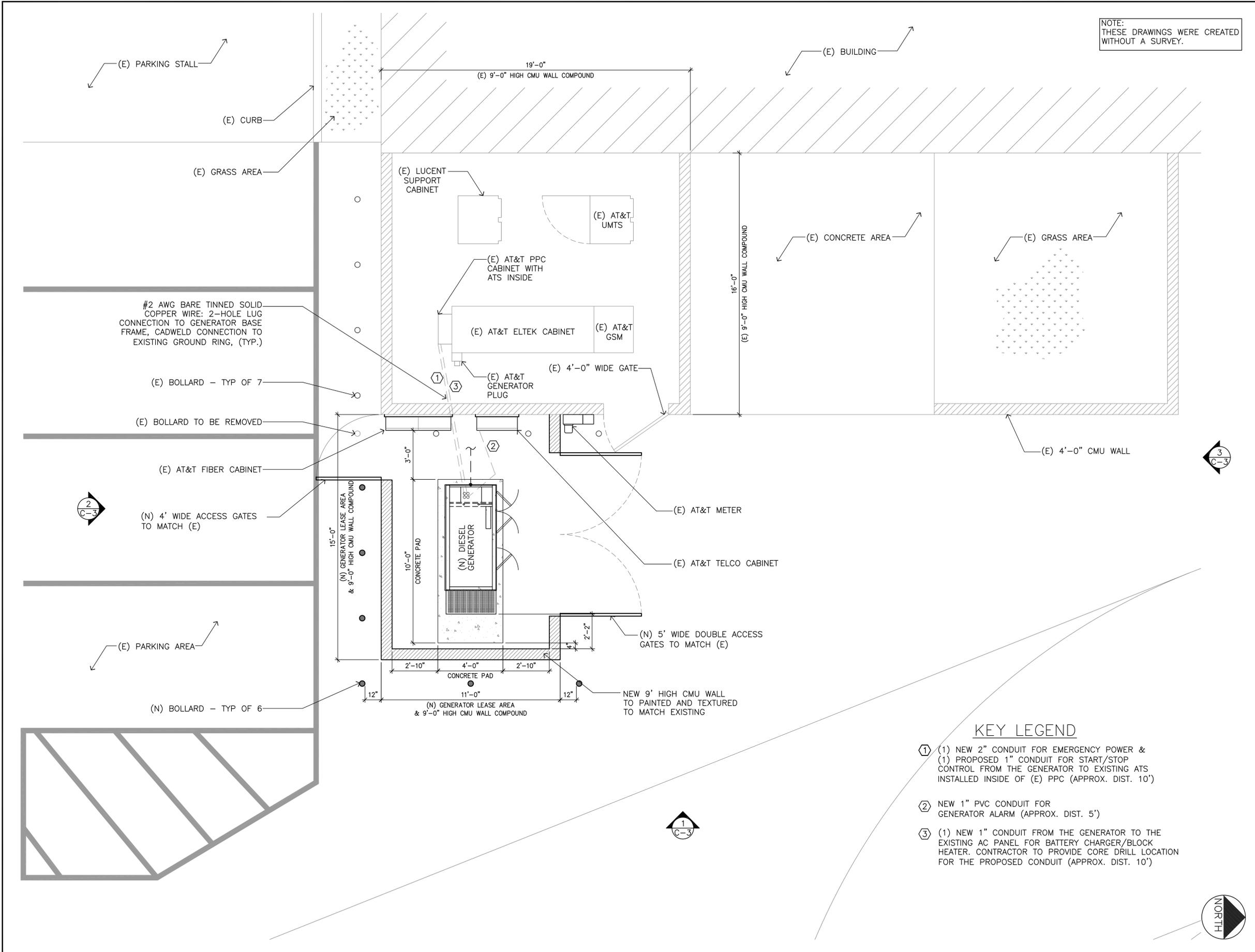
SHEET NUMBER:
C-1

SITE PLAN

SCALE: 3/16"=1'-0" 1



NOTE:
THESE DRAWINGS WERE CREATED
WITHOUT A SURVEY.



KEY LEGEND

- ① (1) NEW 2" CONDUIT FOR EMERGENCY POWER & (1) PROPOSED 1" CONDUIT FOR START/STOP CONTROL FROM THE GENERATOR TO EXISTING ATS INSTALLED INSIDE OF (E) PPC (APPROX. DIST. 10')
- ② NEW 1" PVC CONDUIT FOR GENERATOR ALARM (APPROX. DIST. 5')
- ③ (1) NEW 1" CONDUIT FROM THE GENERATOR TO THE EXISTING AC PANEL FOR BATTERY CHARGER/BLOCK HEATER. CONTRACTOR TO PROVIDE CORE DRILL LOCATION FOR THE PROPOSED CONDUIT (APPROX. DIST. 10')



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GENERAL DYNAMICS
Wireless Services

8220 E ROOSEVELT RD
SCOTTSDALE, ARIZONA 85257
PHONE: 480-391-2527

PLANS PREPARED BY:



PH: (602) 453-0050 FAX: (602) 453-0052

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C	10/07/13	ISSUED FOR LEASE APPROVAL	db
D	01/17/14	ZONING SUBMITTAL	HL
E	10/29/15	ZONING COMMENTS	BAK

SITE INFORMATION:

NORTH DYSART & ENCANTO
P829
FA-10107077
1551 NORTH DYSART ROAD
AVONDALE, AZ 85323

SEAL:



SHEET TITLE:

ENLARGED
SITE PLAN

SHEET NUMBER:

C-2



20830 N TATUM BLVD, 4TH FLOOR, PHOENIX AZ 85050

GENERAL DYNAMICS
Wireless Services

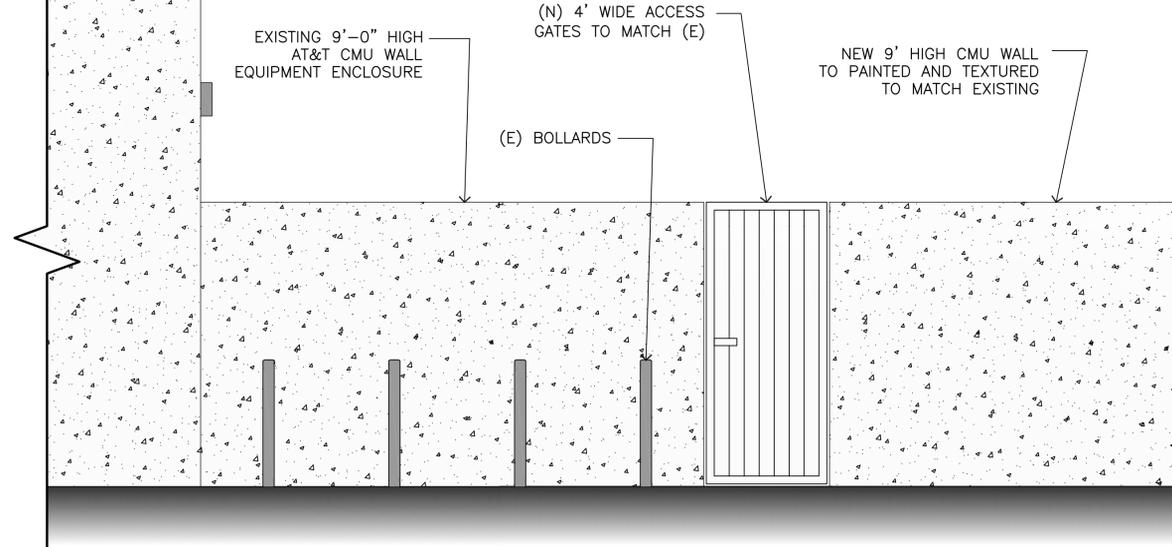
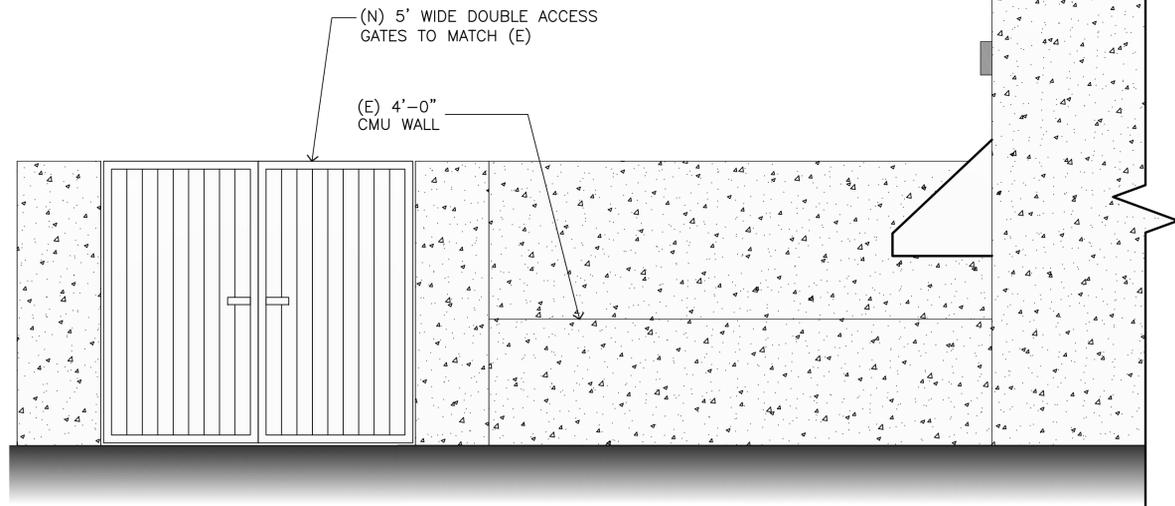
8220 E ROOSEVELT RD
SCOTTSDALE, ARIZONA 85257
PHONE: 480-391-2527

PLANS PREPARED BY:



PH: (602) 453-0050 FAX: (602) 453-0002

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NORTH ELEVATION

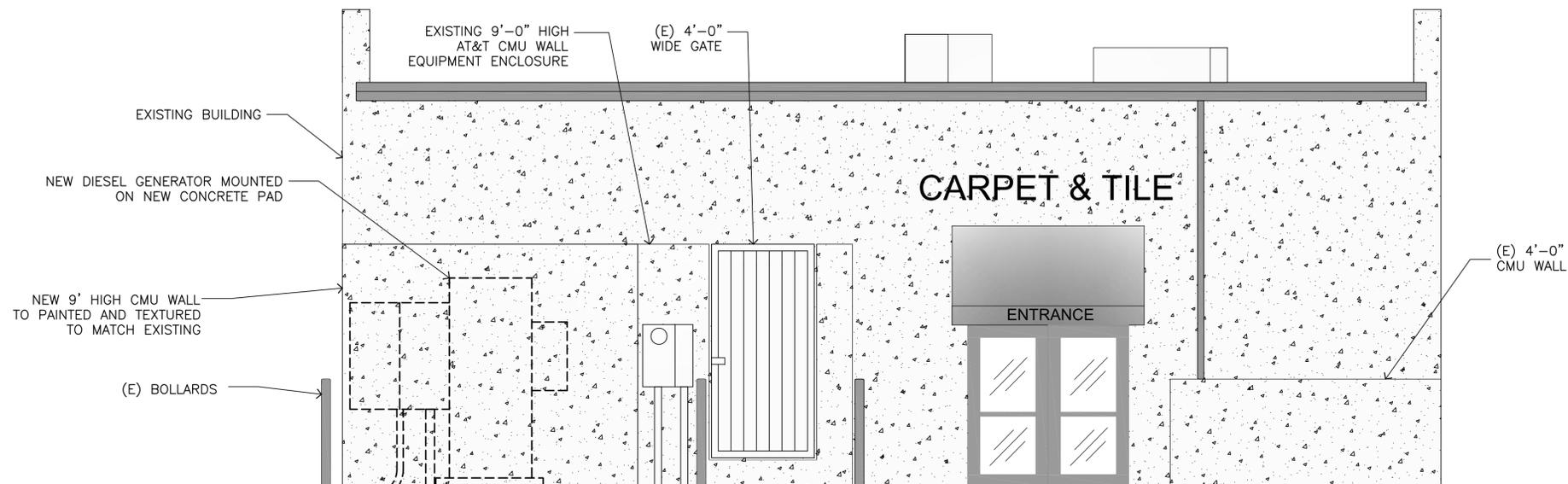
24"x36" SCALE: 3/8" = 1'-0"
11"x17" SCALE: 3/16" = 1'-0"

3

SOUTH ELEVATION

24"x36" SCALE: 3/8" = 1'-0"
11"x17" SCALE: 3/16" = 1'-0"

2



EAST ELEVATION

24"x36" SCALE: 3/8" = 1'-0"
11"x17" SCALE: 3/16" = 1'-0"

1

SITE INFORMATION:

NORTH DYSART & ENCANTO
P829
FA-10107077

1551 NORTH DYSART ROAD
AVONDALE, AZ 85323

SEAL:



SHEET TITLE:

ELEVATIONS

SHEET NUMBER:

C-3

0J4198



20830 N TATUM BLVD, 4TH FLOOR, PHOENIX AZ 85050

GENERAL DYNAMICS
Wireless Services

8220 E ROOSEVELT RD
SCOTTSDALE, ARIZONA 85257
PHONE: 480-391-2527

PLANS PREPARED BY:



PH: (602) 453-0050 FAX: (602) 453-0052

NO.	DATE	DESCRIPTION	BY
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D	01/17/14	ZONING SUBMITTAL	HL
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SITE INFORMATION:

NORTH DYSART & ENCANTO
P829
FA-10107077

1551 NORTH DYSART ROAD
AVONDALE, AZ 85323

SEAL:

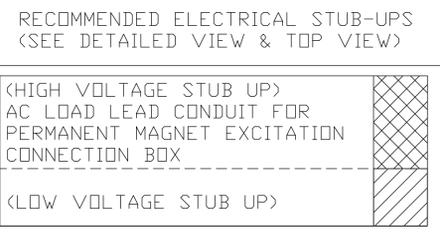
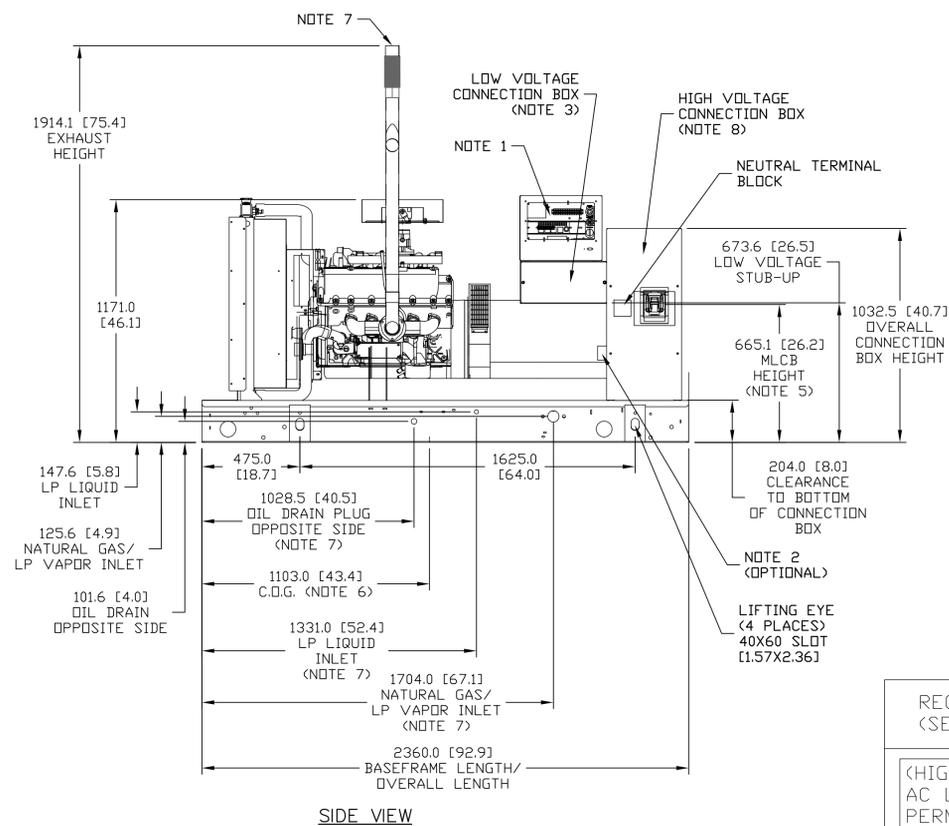
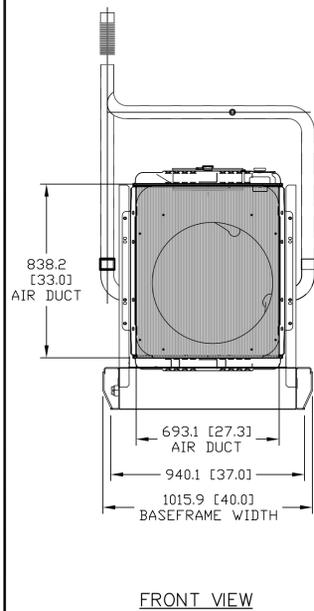
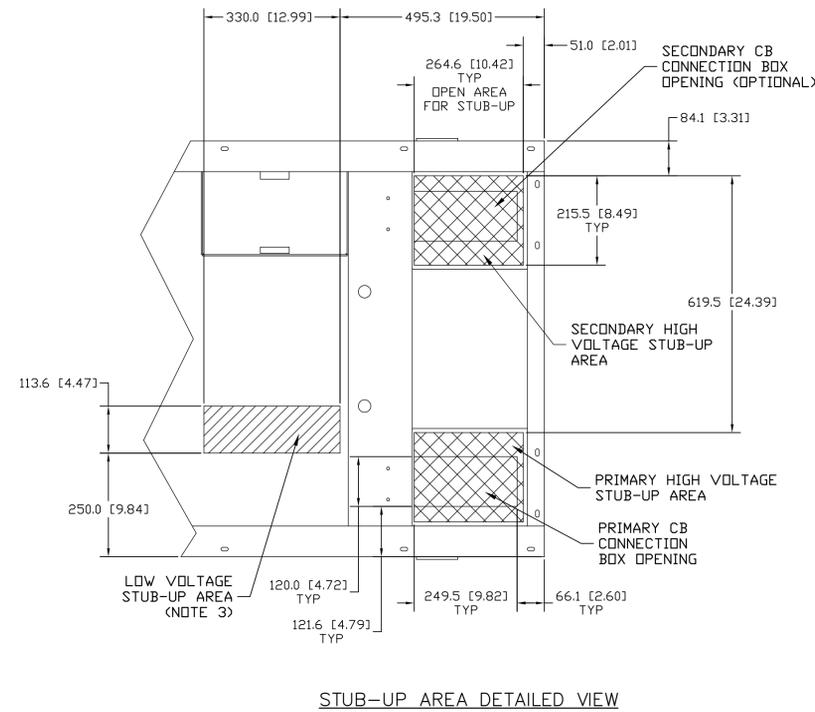
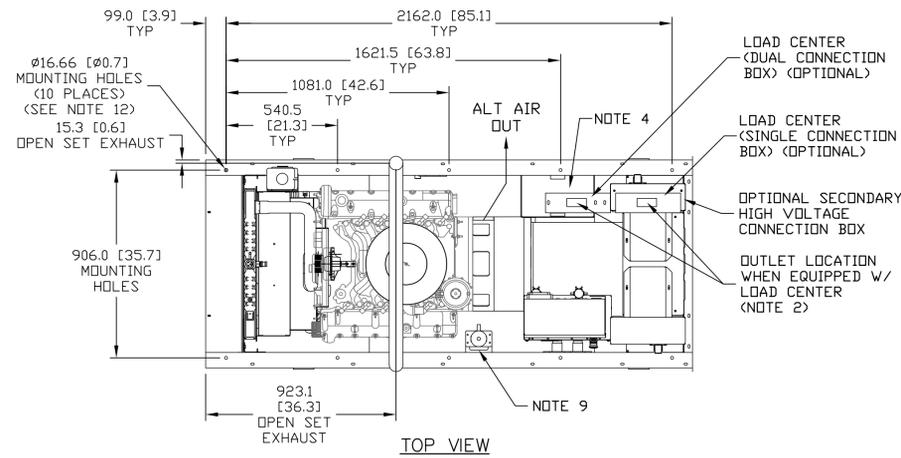


SHEET TITLE:

GENERATOR
DETAILS

SHEET NUMBER:

C-4



WEIGHT DATA
OPEN SET: 875KG [1929LBS]
(SEE NOTE 6)

NOTE:

- CONTROL PANEL, (OPTIONAL BATTERY CHARGER INSIDE)
- 120V, 20A GFCI & 250V, 15A OUTLET (OPTIONAL)
- CONNECTION POINTS FOR CONTROL WIRES PROVIDED IN THE LOW VOLTAGE CONNECTION BOX (USE LOW VOLTAGE STUB UP AREA)
- BATTERY (12 VOLT NEGATIVE GROUND SYSTEM)
- MAIN LINE CIRCUIT BREAKER (MLCB), AC LOAD LEADS CONNECT DIRECTLY TO MLCB. (MLCB HEIGHT MAY VARY WITH CB SELECTION)
- CENTER OF GRAVITY AND WEIGHT MAY SHIFT SLIGHTLY DUE TO UNIT OPTIONS
- ENGINE SERVICE CONNECTIONS:
INLET L/P GAS = 1-1/4" NPT COUPLING
INLET L/P LIQUID = 1/4" NPT COUPLING
INLET NATURAL GAS = 1-1/4" NPT COUPLING
OIL DRAIN = 1/2" NPT COUPLING
EXHAUST OUTLET = 2.5" I.D.
- AUXILIARY AC CONNECTION FOR UNIT OPTIONS ARE LOCATED IN HIGH VOLTAGE CONNECTION BOX, UNLESS AN OPTIONAL LOAD CENTER IS INSTALLED
- BLOCK HEATER
- GENERATOR SET MUST BE INSTALLED SUCH THAT FRESH COOLING AIR IS AVAILABLE AND THAT DISCHARGE AIR FROM THE RADIATOR IS NOT RECIRCULATED
- CIRCUIT BREAKER
-AC LOAD LEADS CONNECT DIRECTLY TO BOTTOM OF BREAKER.
-REFER TO LUG SIZING CHART AVAILABLE ON GEN-CONNECT.
- MOUNTING BOLTS OR STUDS TO MOUNT UNIT TO CONCRETE PAD SHALL BE 5/8-11 GRADE 5. (USE STANDARD SAE TORQUE SPECS.)



20830 N TATUM BLVD, 4TH FLOOR, PHOENIX AZ 85050

GENERAL DYNAMICS
Wireless Services

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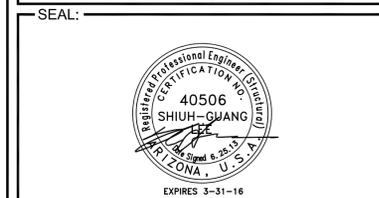
PLANS PREPARED BY:



PH. (602) 453-0050 FAX (602) 453-0052

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SITE INFORMATION:
NORTH DYSART & ENCANTO
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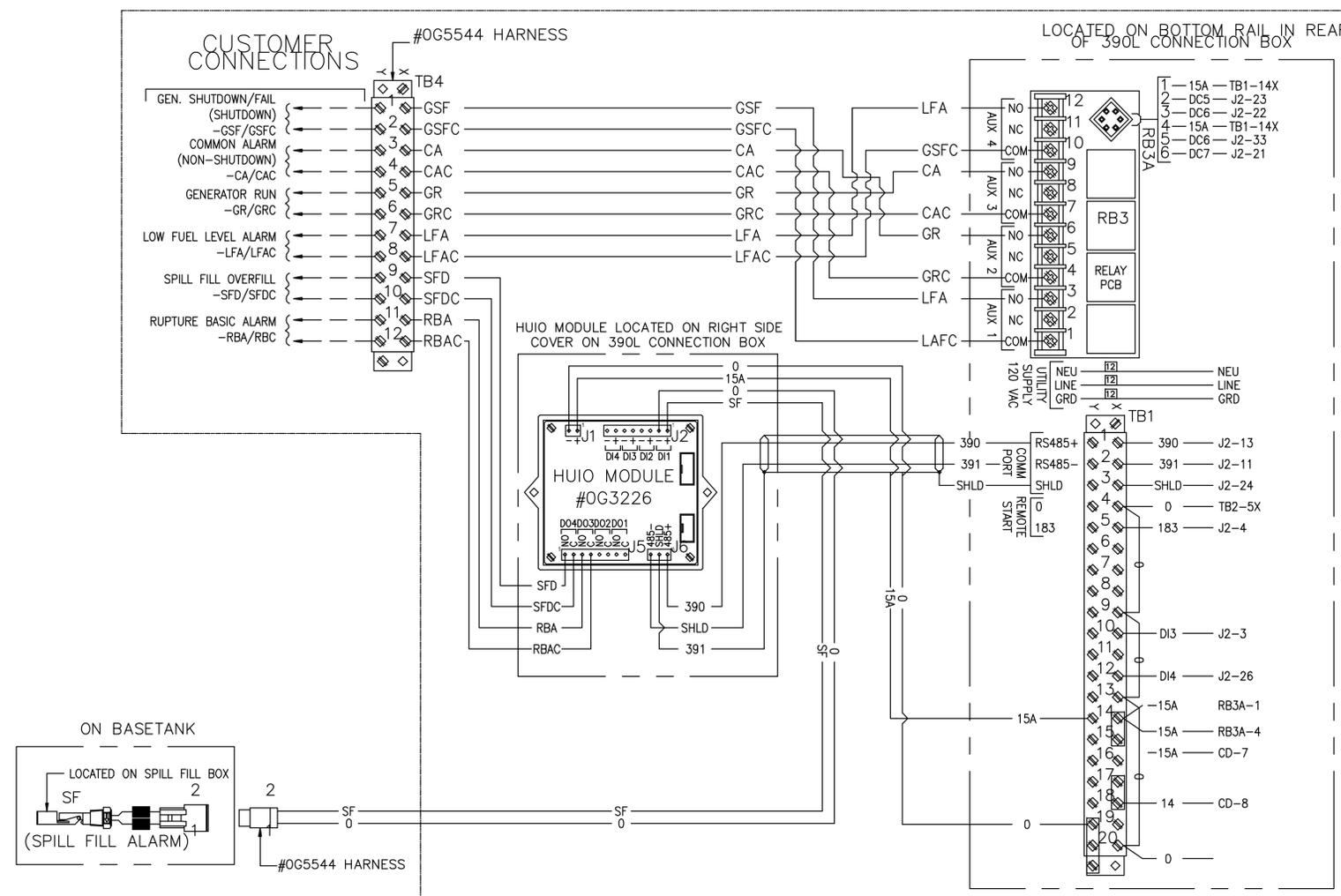
SHEET TITLE:
PANEL WIRE DIAGRAM AND ALARM ASSIGNMENTS

SHEET NUMBER:
C-5

SITE SPECIFIC CONSTRUCTION NOTES

- CONTRACTOR SHALL VERIFY THAT ALL FIELD CONDITIONS MATCH INFORMATION SHOWN ON THE DRAWINGS. ANY CONFLICTS SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER OR CONSTRUCTION MANAGER.
- NEW GENERATOR ALARM AND 120V CONDUITS SHALL USE EXISTING WALL SLEEVES FOR BUILDING ENTRY WHERE POSSIBLE. NEW 120V POWER CIRCUITS SHALL BE ROUTED TO THE EXISTING DISTRIBUTION PANEL AND 1 NEW 20A, 1-POLE CIRCUIT BREAKERS ADDED FOR THE BLOCK HEATER AND BATTERY CHARGER CIRCUITS AS REQUIRED. NEW ALARM CONDUIT AND WIRING SHALL BE ROUTED TO THE ALARM BLOCK(S).
- TERMINATION OF ALL ALARM WIRING, 2-WIRE START CIRCUIT, AND 120V POWER FOR BLOCK HEATER AND BATTERY CHARGER SHALL BE TERMINATED IN THE GENERATOR ENCLOSURE BY THE GENERATOR INSTALLER. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FLEX CONDUIT AND CONDUCTORS FOR TERMINATIONS TO THE GENERATOR AND INSIDE THE SHELTER AS REQUIRED. GENERATOR INSTALLER SHALL TERMINATE ALARM, 120V POWER AND FEEDER CONDUCTORS.
- GENERATOR NEUTRAL CONDUCTOR SHALL NOT BE BONDED TO GROUND AT THE GENERATOR. CONTRACTOR SHALL VERIFY THAT NEUTRAL TO GROUND BOND OCCURS ONLY AT THE SERVICE ENTRANCE DISCONNECT.
- CONTRACTOR SHALL PROVIDE A 10 PAIR SOLID 24 GAUGE CABLE, THAT SHALL BE RAN IN 1" CONDUIT TO THE ALARM BLOCK(S). A 15' BUNDLE SHALL BE NEATLY COILED AND LEFT FOR THE SITE TECHNICIAN TO TERMINATE AT THE EXISTING ALARM BLOCK(S).
- CONTRACTOR SHALL LABEL ALARM CONDUCTOR PAIRS AT BOTH ENDS (SEE WIRING DIAGRAM TO THE RIGHT ON THIS SHEET).

LOCATED WITHIN 390L CONNECTION BOX



WIRING DIAGRAM INSIDE OF GENERATOR

NTS



20830 N TATUM BLVD, 4TH FLOOR, PHOENIX AZ 85050

GENERAL DYNAMICS
Wireless Services

8220 E ROOSEVELT RD
SCOTTSDALE, ARIZONA 85257
PHONE: 480-391-2527

PLANS PREPARED BY:



PH: (602) 453-0050 FAX: (602) 453-0002

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A	11/06/12	ISSUED FOR REVIEW	TJ
B	09/05/13	ISSUED FOR REVIEW	LQN
C	10/07/13	ISSUED FOR LEASE APPROVAL	db
D	01/17/14	ZONING SUBMITTAL	HL
E	10/29/15	ZONING COMMENTS	BAK

SITE INFORMATION:

NORTH DYSART & ENCANTO
P829
FA-10107077

1551 NORTH DYSART ROAD
AVONDALE, AZ 85323

SEAL:



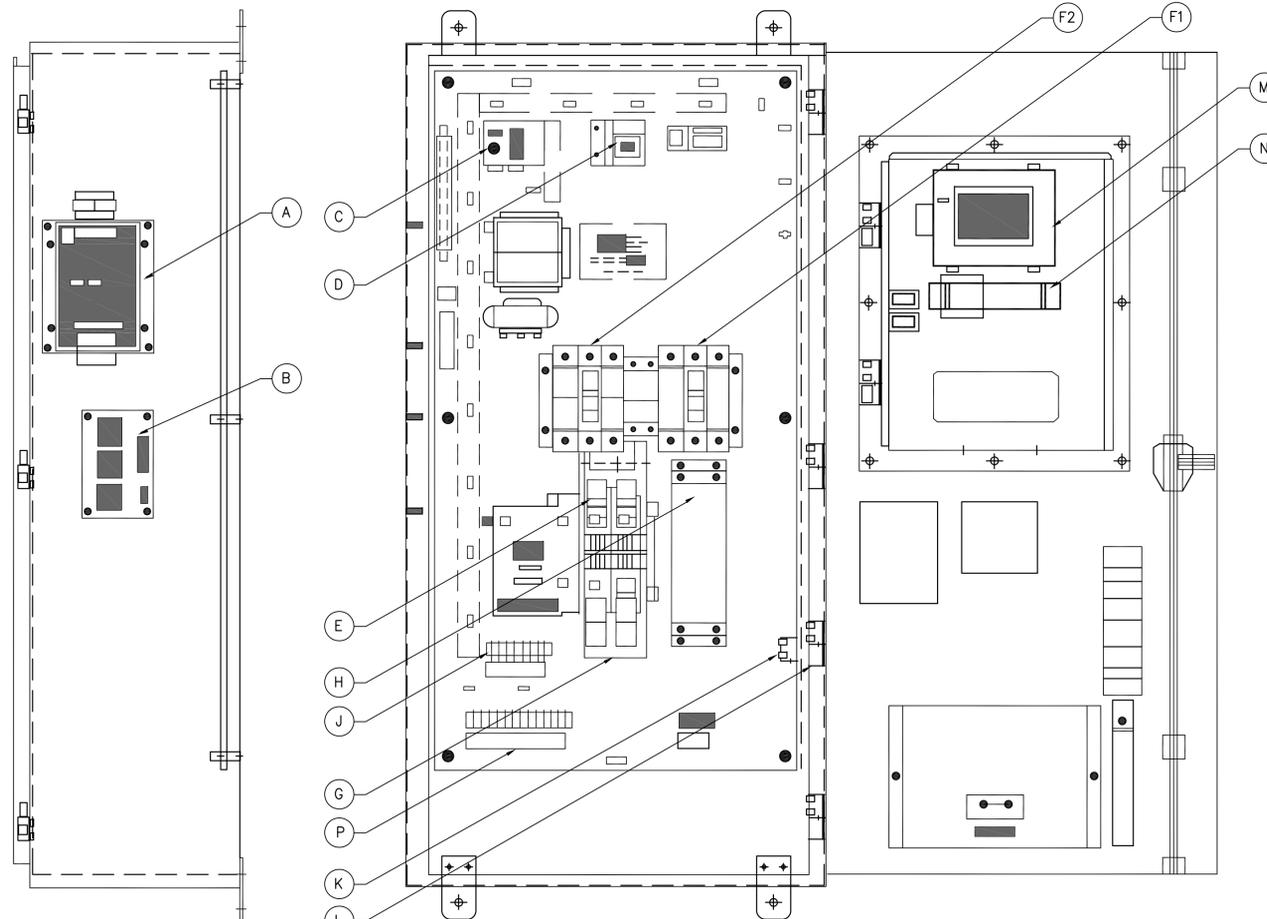
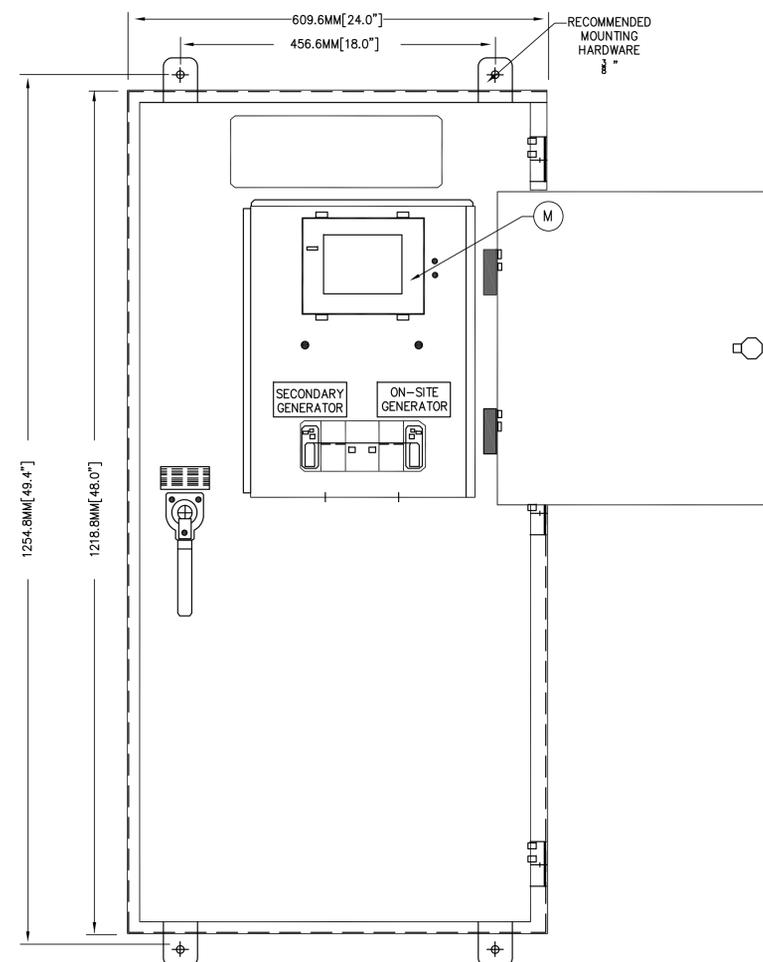
SHEET TITLE:

ATS DETAILS

SHEET NUMBER:

C-6

ATS INSTALLATION DRAWINGS



LEFT SIDE VIEW

FRONT VIEW

- A. ATS CONTROLLER
- B. CONTROL RELAYS
- C. BATTERY CHARGER
- D. MAINTENANCE DISCONNECT SWITCH
- E. UTILITY UN-GROUNDED CONDUCTOR CONNECTION
- F1. ON-SITE GENERATOR UN-GROUNDED CONDUCTOR CONNECTION
- F2. SECONDARY GENERATOR UN-GROUNDED CONDUCTOR CONNECTION
- G. LOAD UN-GROUNDED CONDUCTOR CONNECTION
- H. TVSS
- J. 120 VAC & 2WS CONNECTIONS
- K. NEUTRAL SUPPLY CONNECTIONS
- L. GROUND TERMINAL
- M. HMI
- N. HEATER (OPTIONAL)
- P. ANNUNCIATOR CONNECTIONS, SECONDARY GENERATOR



20830 N TATUM BLVD, 4TH FLOOR, PHOENIX AZ 85050

GENERAL DYNAMICS
Wireless Services

8220 E ROOSEVELT RD
SCOTTSDALE, ARIZONA 85257
PHONE: 480-391-2527

PLANS PREPARED BY:



PH. (602) 453-0050 FAX (602) 453-0002

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A	11/06/12	ISSUED FOR REVIEW	TJ
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EXPIRES 3-31-16

SHEET TITLE:

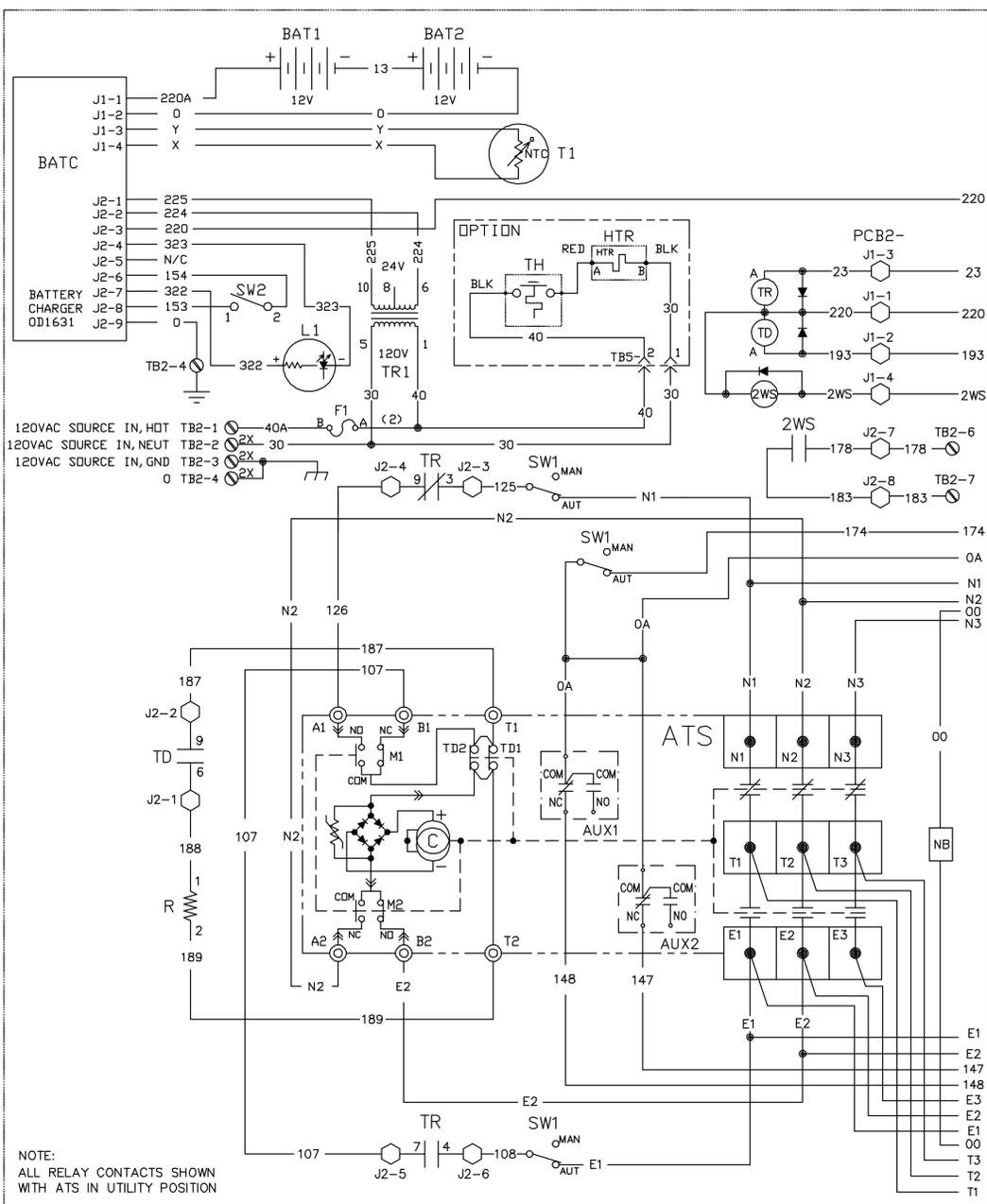
ATS SCHEMATIC
DIAGRAM

SHEET NUMBER:

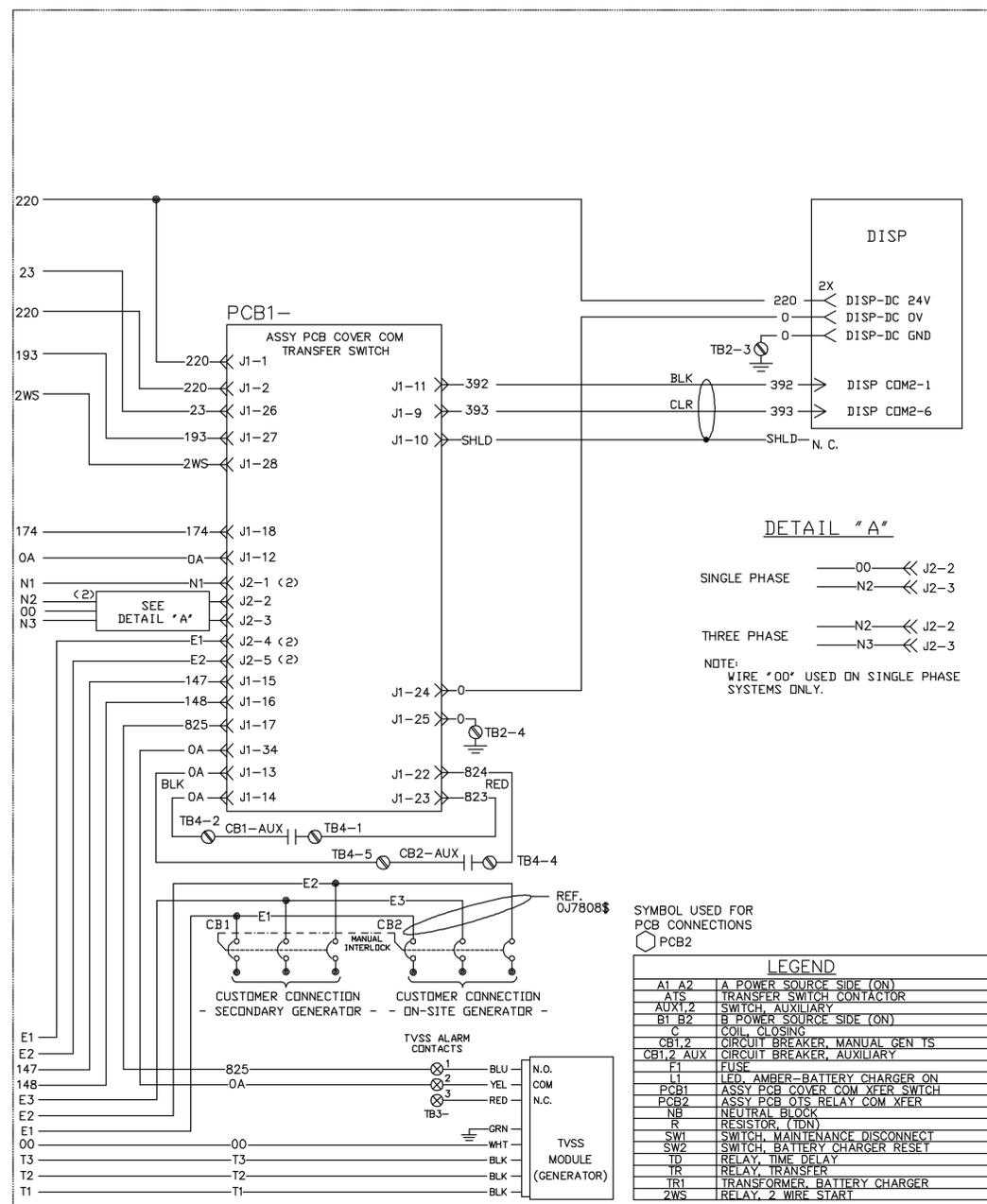
C-7

0J7611

SCHEMATIC - DIAGRAM



SCHEMATIC - DIAGRAM



EST. VT.	DATE	SCALE	PROJECT
FINL. DT.	04/11/12	1 = 1	SD TTS 120/208/240V W-SWITCH
DO NOT SCALE	DATE	SCALE	PROJECT
UNLESS OTHERWISE SPECIFIED	07/13/12	1 = 1	SD TTS 120/208/240V W-SWITCH
ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5-1994	DATE	SCALE	PROJECT
ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5-1994	07/13/12	1 = 1	SD TTS 120/208/240V W-SWITCH
ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5-1994	DATE	SCALE	PROJECT
ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5-1994	07/18/12	1 = 1	SD TTS 120/208/240V W-SWITCH



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SCOTTSDALE, ARIZONA 85257
PHONE: 480-391-2527

PLANS PREPARED BY:



PH: (602) 453-0050 FAX: (602) 453-0052

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SITE INFORMATION:

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P829
FA-10107077
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AVONDALE, AZ 85323

SEAL:



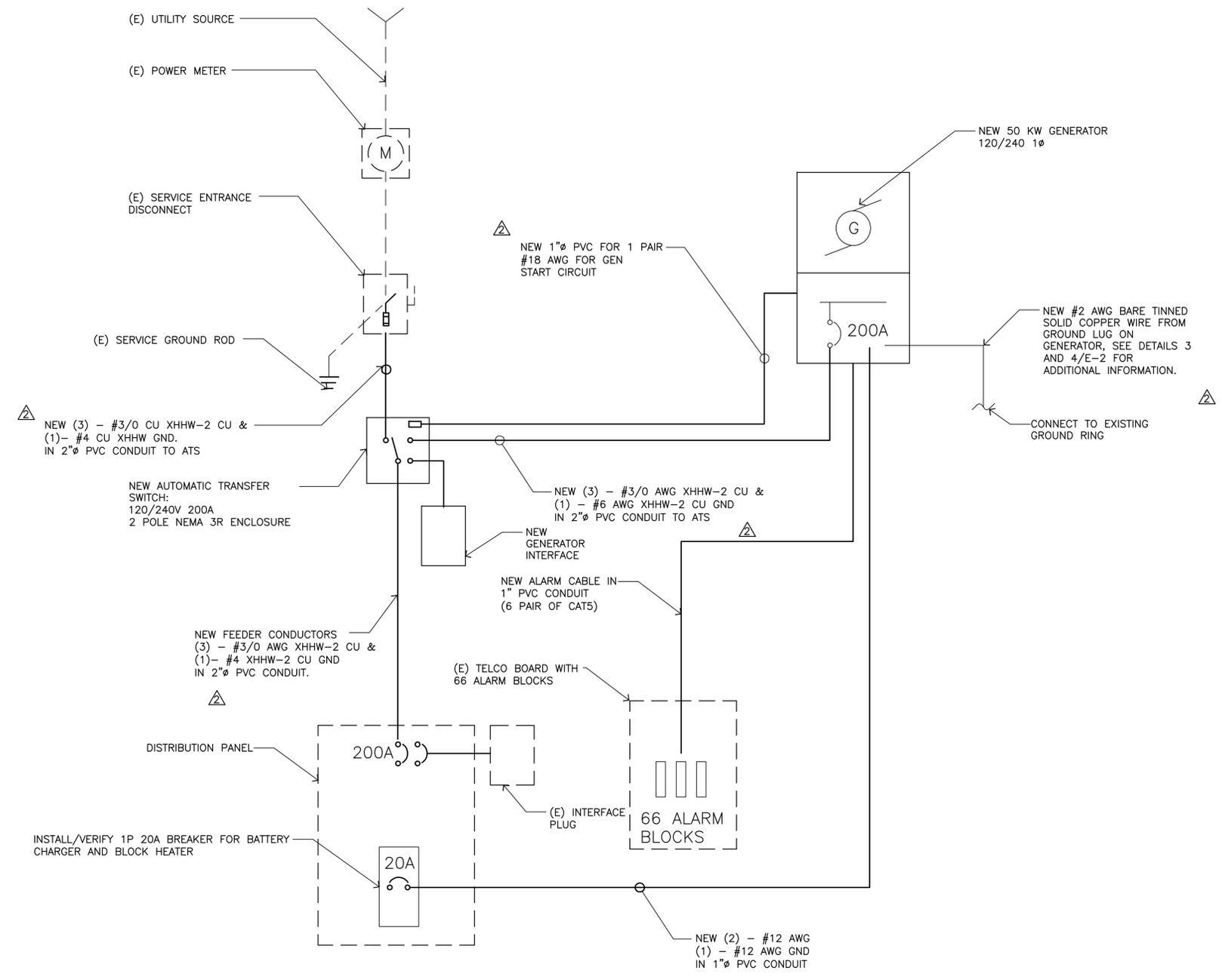
SHEET TITLE:

SINGLE LINE DIAGRAM

SHEET NUMBER:

E-1

- NOTES:
1. MODIFY BONDING AND GROUNDING AS NEEDED PER MANUFACTURE SPECIFICATIONS
 2. GENERATOR IS NON-SEPARATELY DERIVED SYSTEM
 3. PVC CONDUIT SHALL BE SCHEDULE 40 UNLESS NOTED OTHERWISE
 4. ITEMS SHOWN ON THE SINGLE-LINE DIAGRAM AS "DASHED" DENOTES EXISTING



SINGLE LINE DIAGRAM

SCALE:
N.T.S. 1



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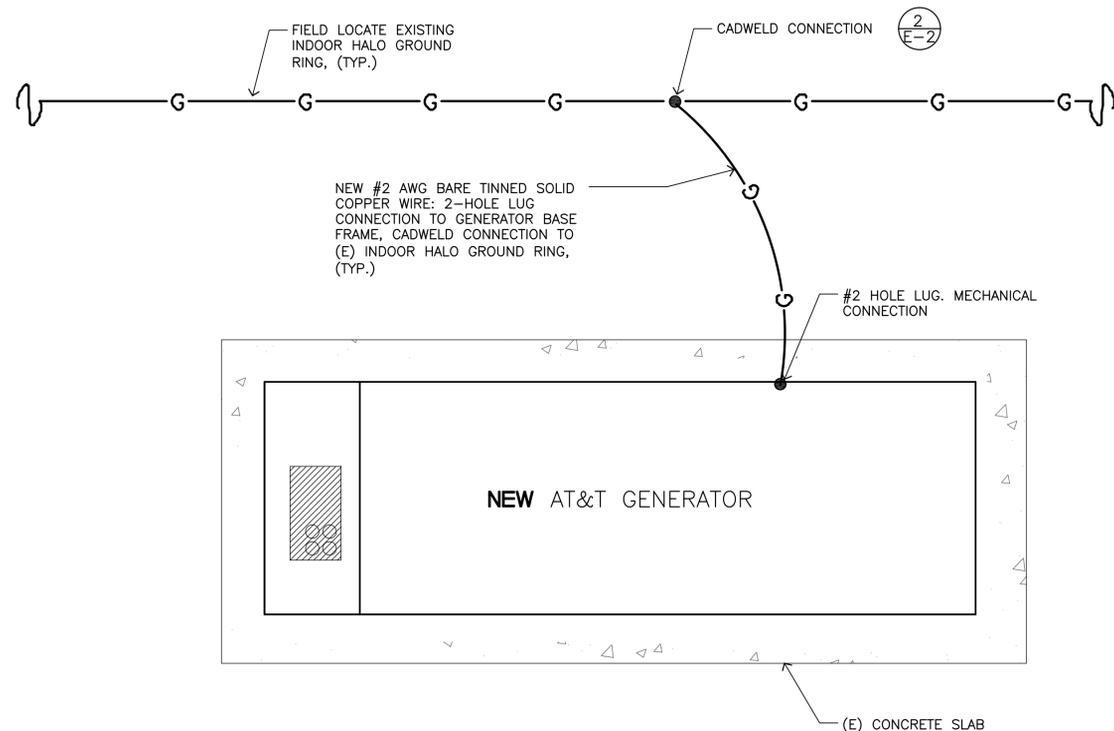


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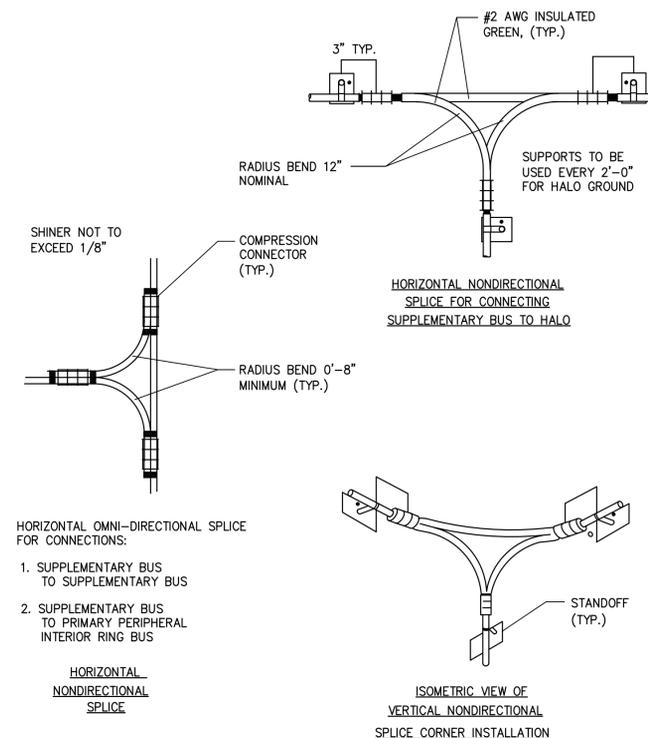
GROUNDING DETAILS

SHEET NUMBER:

E-2



NOTES:
*ROUTING OF CONDUIT IS FOR ILLUSTRATIVE PURPOSES ONLY
*ANY NEW CONDUIT SHOULD BE INSTALLED TO AVOID TRIP HAZARDS



HORIZONTAL OMNI-DIRECTIONAL SPLICE FOR CONNECTIONS:

- SUPPLEMENTARY BUS TO SUPPLEMENTARY BUS
- SUPPLEMENTARY BUS TO PRIMARY PERIPHERAL INTERIOR RING BUS

HORIZONTAL NONDIRECTIONAL SPLICE

ISOMETRIC VIEW OF VERTICAL NONDIRECTIONAL SPLICE CORNER INSTALLATION

GROUNDING PLAN

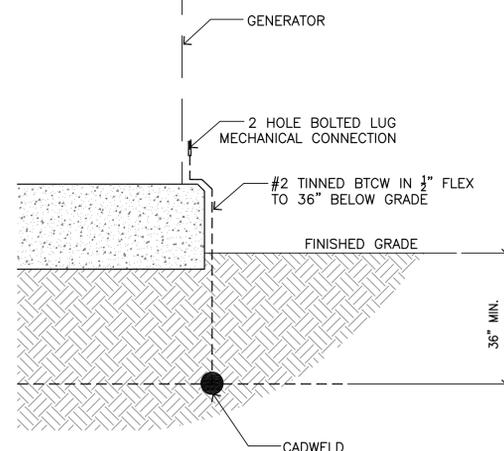
SCALE: 3
N.T.S.

HALO GROUND CONNECTION

SCALE: 1
N.T.S.

HUB GENSET ROOM SMOKE CRITICAL
HUB GENERATOR FAIL CRITICAL
HUB GENERATOR FUEL LEAK CRITICAL
HUB GENERATOR FUEL LOW CRITICAL
HUB GENERATOR MJ MAJOR
HUB GENERATOR MN MAJOR
HUB GENERATOR RUNNING MAJOR
HUB GENERATOR THEFT CRITICAL
HUB GENERATOR SHUT DOWN CRITICAL
HUB GEN TRASFER SW OPERATED CRITICAL
HUB GEN BATT CHARGER FAIL MAJOR

RBS GENSET ROOM SMOKE CRITICAL
RBS GENERATOR FAIL CRITICAL
RBS GENERATOR FUEL LEAK CRITICAL
RBS GENERATOR FUEL LOW CRITICAL
RBS GENERATOR MJ MAJOR
RBS GENERATOR MN MAJOR
RBS GENERATOR RUNNING MAJOR
RBS GENERATOR THEFT CRITICAL
RBS GENERATOR SHUT DOWN CRITICAL
RBS GEN TRASFER SW OPERATED CRITICAL
RBS GEN BATT CHARGER FAIL MAJOR



WIRING SCHEMATIC

SCALE: 5

GENERATOR GROUNDING

SCALE: 4

MECH. CONNECTION DET.

SCALE: 2