EMERGENCY GENERATOR NOTES

I. SPECIFICATION
IT IS THE INTENT OF THIS SPECIFICATION TO SECURE A STANDBY GENERATOR
SYSTEM THAT HAS BEEN PROTOTYPE TESTED, FACTORY BUILT, PRODUCTION
TESTED, SITE TESTED, OF THE LATEST COMMERCIAL DESIGN, TOGETHER HITH
ALL ACCESSORIES INCESSORY FOR A COMPLETE INSTALLATION AS SHOWN ON
THE PLANS AND DRAWINGS, AND SPECIFICATIONS HERRIN. THE EQUIPMENT
SUPPLIED AND INSTALLED SHALL HEET THE REQUIRETINES OF THE HATIONAL
ELECTRICAL CODE, ALONG HITH ANALL THE THE REQUIRETINES OF THE HATIONAL
ELECTRICAL CODE, ALONG HITH SHALL DE HOL, OF CURRENT PRODUCTION OF A
NATIONAL FIRST HAHICH THANDACTURES THE GENERATOR AND CONTROLS.
TRANSFERS MITCH, AND SERVICE THE SOURCE REPROBABILITY OF STORY
MARRANTY, PARTS, AND SERVICE THROUGH A LOCAL REPRESENTATIVE WITH
FACTORY-TRAINED SERVICETION.

2. SUBHITTAL SALL INCLUDE PROTOTTYPE TEST CERTIFICATION AND SUBHITTAL SHALL INCLUDE PROTOTTYPE TEST CERTIFICATION AND SUBHITAL SALESSORIES TO LEE SUPPLIED SCHEMATIC HIGHER DIAGRAMS, PUPPLISON DEANINGS, AND INTERCONNECTION DIAGRAM'S IDENTIFYING EACH REQUIRED INTERCONNECTION DETRIFER OF SHITCH, AND THE REPOTE ANNUNCIATOR PANEL.

ANNUMENTALIA CARREL

3. TESTING

THERE SHALL BE THREE TESTS.

A DESIGN PROTOTYPE TEST, FINAL PRODUCTION TEST, AND SITE TEST.

PROTOTYPE TEST PROGRAM'S SHALL INCLUDE THE REQUIREMENTS OF NPA 100

AND THE FOLLOWING. MAXIFUM INC. HANDLING HOTOR STARTING (X/A) AT 165

INSTANTANEOUS VOLTAGE DIP, ALTERNATOR TEMPERATURE RISE BY EMBEDDED

THERECOOPLE AND RESISTANCE FILTING PER NETA NG-22 AND 16. 40,

VOLTAGE REGULATION AND GENERATOR TRANSIENT RESPONSE, FUEL

CONSUMPTION AT 25, 50, 76, AND FULL LODG, COMPLETE HARMONIC

ANALYSIS, SINGLE PHASE SHORT CIRCUIT TEST, ALTERNATOR COOLING AND

FULLY LORS COMPANIES AND STRESSES, BIDURANCE TESTING, COMPLETE

FREE OF HARMFUL TORSIONAL STRESSES,

FINAL PRODUCTION TEST WITH VARIOUS LOADS AND EXHAUST SYSTEM IN PLACE. TEST SHALL INCLUDE: SINGLE STEP PICKUP; TRANSIENT AND STEADY STATE GOVERNING, SAFETY SHUTDOWN DEVICE TESTING; VOLTAGE REGULATION, RATED POWER; MAXIMUM POWER;

RATED POWER, MANITUAL POWER,

SITE TEST. AN INSTALLATION CHECK, START-UP, AND BUILDING LOAD TEST
SHALL BE PERFORTED BY THE HANAFACTURER'S LOCAL REPRESENTATIVE.

THE BININEER, REGULAR OPERATORS AND THE MAINTENANCE STAPF SHALL

BE NOTIFIED OF THE TIME AND DATE OF THE STITE STAT. TEST SHALL

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COMPORTITY TO THE FAMURACTURER'S RECOMPENDATIONS, INDER THE

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SHALL INCLIDE, BUT NOT BE LIMITED TO, BLOCK HEATERS, BATTERY

CHARGER, GREENATOR STIPM HEATERS, RETOR ANNINGATOR, UNDER

START-UP MODE CHECK FOR ENHANCE LEAKS, PATH OF ENHANDS TARSING

AND STOPPING, VIDEATION DURING RUNNING, MORNAL AND ETHERBENCY

LINE-TO- LINE VOLTAGE, AND PHASE ROTATION, AUTOMICS ENGANT

STARTING, TRANSFER OF THE LOAD, AND AUTO- MATIC SHUTDON. PRIOR TO

THIS TEST, ALL TRANSFER FOR THE LOAD, AND AUTO- MATIC SHUTDON. PRIOR TO

THIS TEST, ALL TRANSFER OR THE LOAD, AND AUTO- MATIC SHUTDON. PRIOR TO

THIS TEST, ALL TRANSFER OR THE LOAD, AND AUTO- MATIC SHUTDON. PRIOR TO

THIS TEST, ALL TRANSFER OR THE LOAD, AND AUTO- MATIC SHUTDON. PRIOR TO

THIS TEST, ALL TRANSFER SHUTCH THISSES SHALL BE SET FOR PROPER

SYSTEM CORDINATION. BIGINE COOLANT TEMPERATURE, OIL PRESSURE, AND

BATTERY CHARGE LIVE ALONG MITH GENERATOR VOLTAGE, AMPERES, AND

PRECUENCY SHALL BE CONTICKED THROUGHOUT THE TEST. TH DETERNAL

LOAD BINK SHALL BE CONTICKED TO THE STETP IT IS SUPPRIORIS BUILDING

LOAD BINK SHALL BE CONTICKED TO THE STETP IT IS SUPPRIORIS BUILDING

RATING.

ATING.

4. MARRANTY AND MAINTENANCE THE GENERATOR SYSTEM SHALL BE MARRANTED BY THE MANUFACTURER FOR THO YEARS OR 4,000 HOURS, MHICKEYER CORIES FIRST, FROM THE DATE OF FINAL ACCEPTANCE. OPTIONAL FIVE YEAR MARRANTIES SHALL BE AVAILABLE UPON REQUEST. THE SERVICE CONTRACT SHALL INCLIDE THE FUNDISHING OF FACTORY TRAINED PRESONEL. NELTONE THE PROPERTY OF FACTORY TRAINED PRESONEL THE G. SUBSTITUTAL THAT THEY ARE REGULARLY PENGAGED IN A HANTITANACE CONTRACT PROPERTY OF MAINTENANCE CONTRACT THAT THE ANALYZE WAS RECOMPRISHED PERVENTIVE MAINTENANCE SERVICE ON THE EQUIPMENT FUNDISHED. THIS SERVICE CONTRACT SHALL INCLUDE OPERATION OF THE COMPIENT FUNDISHED. THIS SERVICE CONTRACT SHALL CONDITIONS, ADJUSTITION OF GENERATOR AND TRANSFER SHITCH CONTROLS AS REQUIRED AND CERTIFICATION IN THE CAMEST MAINTENANCE LOG OF REPAIRS HADE AND PROPER FUNCTIONING OF ALL BRAINE AND AUXILIARY SYSTEMS. THIS SERVICE CONTRACT SHALL BE REPOVIDED AT NO ADDITIONAL CHARGE FOR A PERIOD OF THM TEAMS FROM THE DATE OF FINAL ACCEPTANCE. AT THE CAMESO OFTION, THE SERVICE CONTRACT SHALL BE REPOVIDED AT NO ADDITIONAL THE CAMESO OFTION, THE SERVICE CONTRACT SHALL BE REPOVIDED AT NO ADDITIONAL THE CAMESO OFTION, THE SERVICE CONTRACT SHALL BE REPOVIDED AT NO ADDITIONAL THE CAMESO OFTION, THE SERVICE CONTRACT SHALL BE REPOVEDED AT NO ADDITIONAL CHARGE FOR A PERIOD OF THM TEAMS FROM THE DATE OF FINAL ACCEPTANCE. AT THE COMMESS OFTION, THE SERVICE CONTRACT SHALL BE REPOVEDED AT NO ADDITIONAL OWNER.

5. ACCEPTANCE HAND ACCURATE WHITH COSTS BEING FAILD BY THE COMES.

5. ACCEPTABLE MANUFACTURERS SHALL BE LIMITED TO THE FOLLOWING-KOHLER, CUMMINS, GENERAC, & CATERPILLAR.

KONLER, CUPTINIS, GENERAC, & CATERFILLAR.

FOR THIS PROJECT THE EPERGENCY GENERATOR SHALL BE DIESEL

LOSKHYSSICH ALTERNATOR AT 400/2TIV 3-PHASE, A MIRE MITH (1) 1200 AND

(1) 200 AND AUTOMATIC TRANSFER SHITCHES, PROVIDE THE FOLLOWING

COPPONENTS AND ACCESSORES FOR EACH SILEMER ENABLAST CAP,

BATTERY, BATTERY RACK AND CABLES, FULL SOAND ATTENDATION

ANTHER CALLED, AND ACCESSORES AND CABLES, FULL SOAND ATTENDATION

HOWATON, CALLED, AND AND ALLES, FULL SOAND ATTENDATION

HOWATON, CALLED, AND ALLES, AND ALLES, PROVIDED AND ATTENDATION

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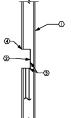
KYOLTAGE REGULATION, DESIGN MONITOR. REPORTE ANNOLATOR

PANEL, OVER VOLTAGE PROTECTION, PRE-HIGH ENGINE TEMPERATURE

SENDER AND LATP, PRE-CILE PRESSURE SHORE AND LAPP, AND LOW

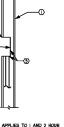
MATER LEVEL SENDER AND LAPP. THE COMPLETE INSTALLATION SHALL

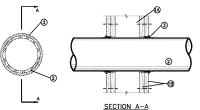
COMPLY INTERNATION AND SHALL LOAD RIM THE.





- (1) 1 OR 2 HOUR WALL ASSEMBLY EQUIVALENT TO UL300 OR UL400 SERIES.
- ② ELECTRICAL OUTLET BOX, NOT MORE THAN 100 SQUARE INCHES PER 100 SQUARE FEET WALL AREA.



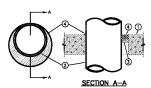


- WALL ASSEMBLY THE 1,2,3 OR 4 HOUR FIRE—RATED GYPSUM WALLBOARD/ STUD ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANINER DESCRIBED IN THE MONDOULA LODGO OR UNGO SERIES WALL OR PARTITION DESGRIS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:



SYSTEM WL1001

PENETRATION DETAIL



P SURFACE OF FLOOR OR BOTH

ISH WITH BOTTOM SURFACE OF FLOOR OR ONE N MARKING
RATINGS - 2 & 3 HR. (SEE ITEM 2A) PES, CONDUIT, AND DUCTS SHALL BE PROTECTED BY A A F RATING AT LEAST EQUAL TO THE REQUIRED FIRE OF THE ASSEMBLY BEING PENETRATED.

UL SYSTEM CAJ1001

PENETRATION DETAIL

NTS



WILSON AIR CENTER

NORTH

TERMIN

THE WILSON GROUP

CIVIL ENGINEER

TALBERT, BRIGHT & ELLINGTON

3525 WHITEHALL PARK DRIVE, SUITE 210 CHARLOTTE, NC 28273 (704) 426-6070 FIRM NO.: C-1163

STEWART

101 N. TRYON ST., SUITE 1400 CHARLOTTE, NC 28202 (704) 909-3523 FIRM NO.: C-1051

MECHANICAL, ELECTRICAL, PLUMBING & FIRE PROTECTION ENGINEER SABER ENGINEERING

> LANDSCAPE ARCHITECT URBAN DESIGN

PARTNERS

COMMUNICATIONS INFRASTRUCTURE DB CONSULTING 246 LOVES FARM ROAD BLACKSBURG, SC 29702 (704) 497-7228 FIRM NO. C-TBD

REVISIONS

DATE DECEMBER 7, 2018

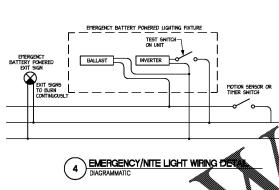
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SHEET TITLE **DETAILS**

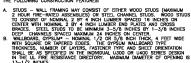
PROJECT NUMBER

SHEET NUMBER

E-302









(FORMERLY NO. 147-A) RATING - 1,2,3 & 4 HOUR