NOTES:
1. CONTROL PANEL, (OPTIONAL BATTERY CHARGER INSIDE).
2. 120V, 20A GFCI & 250V, 15A OUTLET (OPTIONAL).
3. CONNECTION POINTS FOR CONTROL WIRES PROVIDED IN THE LOW VOLTAGE CONNECTION BOX (USE LOW VOLTAGE STUB-UP AREA).
4. BATTERY (24 VOLT NEGATIVE GROUND SYSTEM).
5. MAIN LINE CIRCUIT BREAKER (MLCB), AC LOAD LEADS. (DIMENSIONS MAY VARY DUE TO UNIT CONFIGURATION)
6. CENTER OF GRAVITY AND WEIGHT MAY CHANGE DUE TO UNIT OPTIONS.

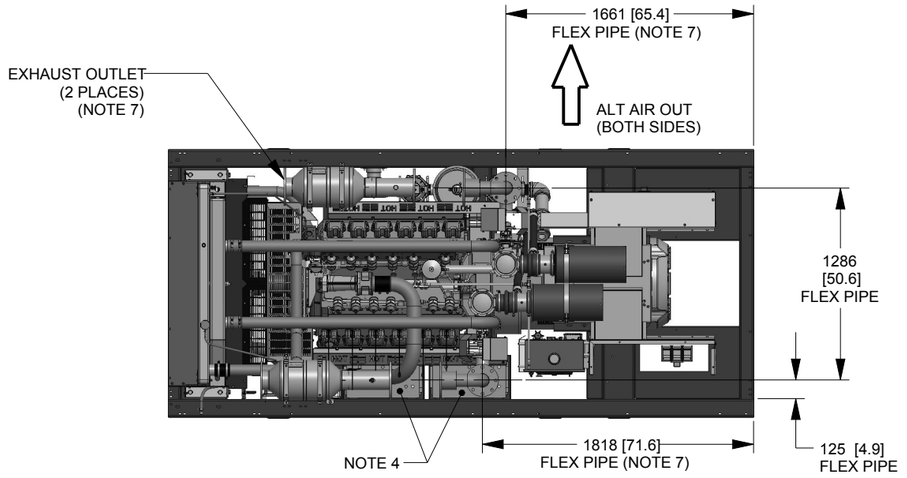
7. ENGINE SERVICE CONNECTIONS:
   INLET NATURAL GAS = 2" NPT FEMALE COUPLING(STAND OPT),3" NPT FEMALE COUPLING (LOW FUEL PRESSURE OPT)
   INLET DIESEL = N/A
   RETURN DIESEL = N/A
   OIL DRAIN = 1/2" NPT FEMALE COUPLING
   RADIATOR DRAIN = 1/2" NPT FEMALE COUPLING
   FLEX PIPE OUTLET = 3.5" O.D.
   CATALYST INLET/OUTLET = 5" O.D.
   ELBOW INLET = 3.5" O.D.
   ELBOW OUTLET = 5" O.D.

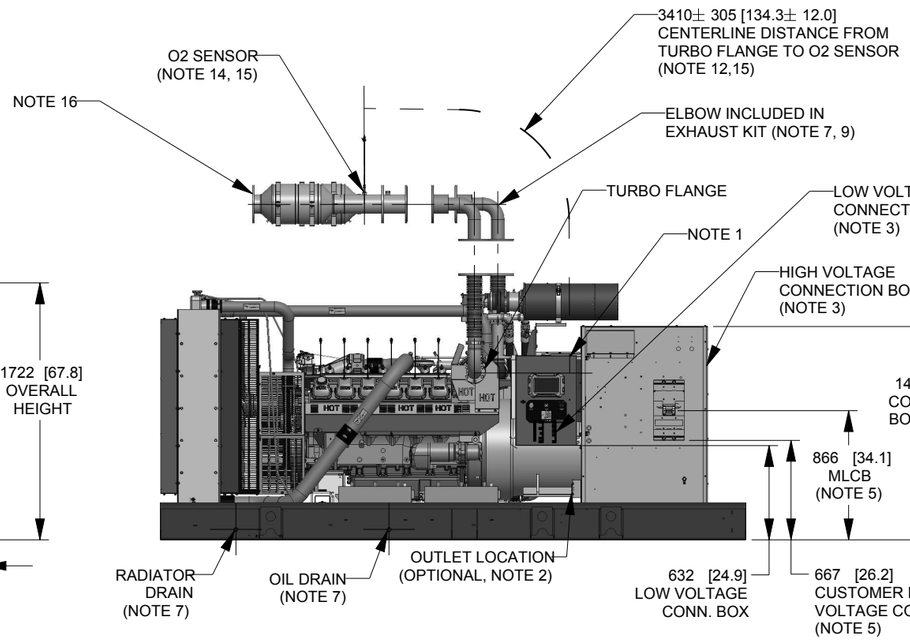
***** SEE GENERATOR SIZING GUIDE FOR FUEL PIPE SIZING TO SUIT APPLICATION *****

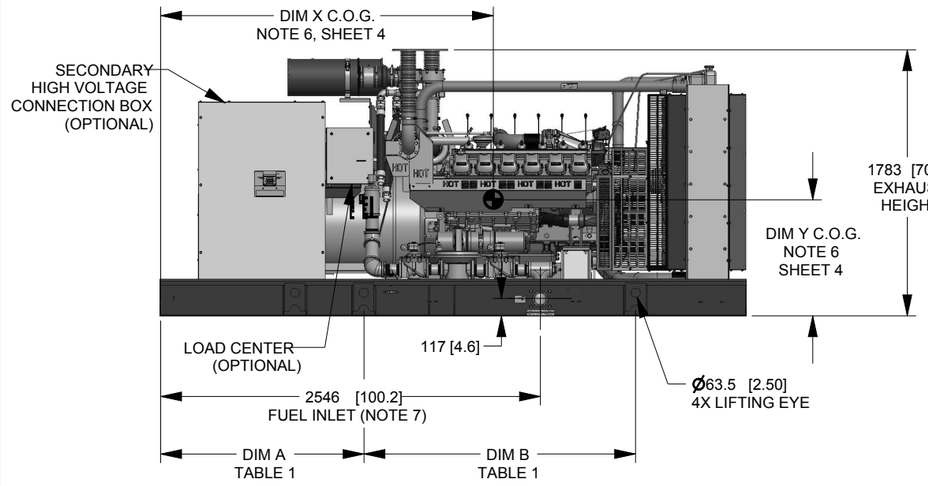
TABLE 1		
DIM	OPEN SET, L1A, L2A ENCLOSED	L3A ENCLOSED
A	1363 [36.7]	731 [28.8]
B	1820 [71.7]	2815 [110.8]

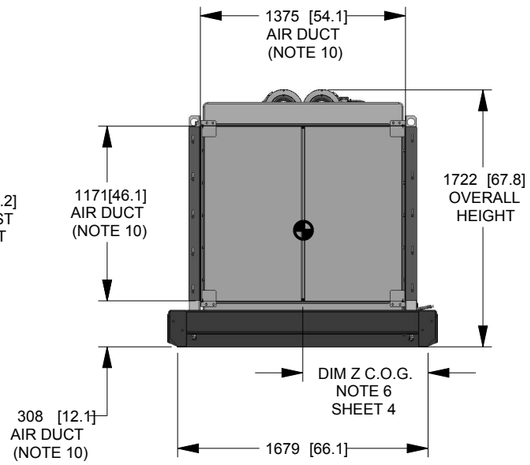
8. AUXILARY AC CONNECTION FOR UNIT OPTIONS ARE LOCATED IN HIGH VOLTAGE CONNECTION BOX, UNLESS AN OPTIONAL LOAD CENTER IS INSTALLED.
9. EXHAUST PIPES MAY BE ROTATED TO ALLOW MUFFLER TO POINT OUT TO THE RIGHT OR LEFT SIDE OF GENERATOR. (MAY NOT APPLY TO ALL UNITS)
10. GENERATOR SET MUST BE INSTALLED SUCH THAT FRESH COOLING AIR IS AVAILABLE AND DISCHARGE AIR FROM THE RADIATOR IS NOT RECIRCULATED.
11. BOTTOM OF GENERATOR SET MUST BE ENCLOSED TO PREVENT PEST INTRUSION AND RECIRCULATION OF DISCHARGE AIR AND/OR IMPROPER COOLING AIR FLOW.
12. IF USED, INSTALL EXHAUST BLANKETS (SUPPLIED BY OTHERS) ALONG THIS LINE. O2 SENSOR TO BE PLACED THIS DISTANCE FROM THE TURBO FLANGE. BLANKETS MUST HAVE MINIMUM CONTINUOUS OPERATING TEMPERATURE OF 1500°F [816°C]. EXHAUST SYSTEM MAXIMUM BACK PRESSURE = 10" H2O POST SILENCER.
13. CONNECT THE OPEN SET EXHAUST PER NFPA 37
14. BLANKETS SHOULD NOT COVER OXYGEN SENSOR.
15. OXYGEN SENSOR MUST BE MOUNTED BETWEEN ENGINE OUTLET AND CATALYST INLET AS SHOWN. IF ELBOWS ARE REQUIRED, ONLY TWO ELBOWS MAY PER EXHAUST LINE MAY BE USED. OXYGEN SENSOR MUST BE LOCATED AT LEAST 508MM [20IN] DOWNSTREAM OF ANY ELBOW. PIPES WITH SMALLER DIAMETERS THAN THOSE OF THE PIPES PROVIDED MAY NOT BE USED.
16. CATALIZED SILENCER (FOR EPA UNITS) MUST BE MOUNTED IN DESCRIBED POSITION. FAILING TO FOLLOW THESE INSTRUCTIONS WHEN INSTALLING A CERTIFIED ENGINE IN A PIECE OF STATIONARY EQUIPMENT VIOLATES FEDERAL LAW 40 CFR 1068.105(b), SUBJECT TO FINES OR PENALTIES AS DESCRIBED IN THE CLEAN AIR ACT.
17. BOLTS OR STUDS USED TO MOUNT UNIT TO PAD SHALL BE 5/8 - 11 GRADE 5.

ADDITIONAL NOTES:
FOR WEIGHT AND CENTER OF GRAVITY DATA SEE NOTE 6, AND SHEET 4.









DRAWING CREATED FROM PRO/ENGINEER 3D FILE. ECO MODIFICATION TO BE APPLIED TO SOLID MODEL ONLY.

208V & 240V STANDARD AND UPSIZED ALTERNATOR
400V, 480V & 600V UPSIZED ALTERNATOR

DIMENSIONS ARE IN MILLIMETERS [INCHES]

INSTALLATION DRAWING

ELECTRONICALLY APPROVED
INSIDE WINDCHILL

GENERAC

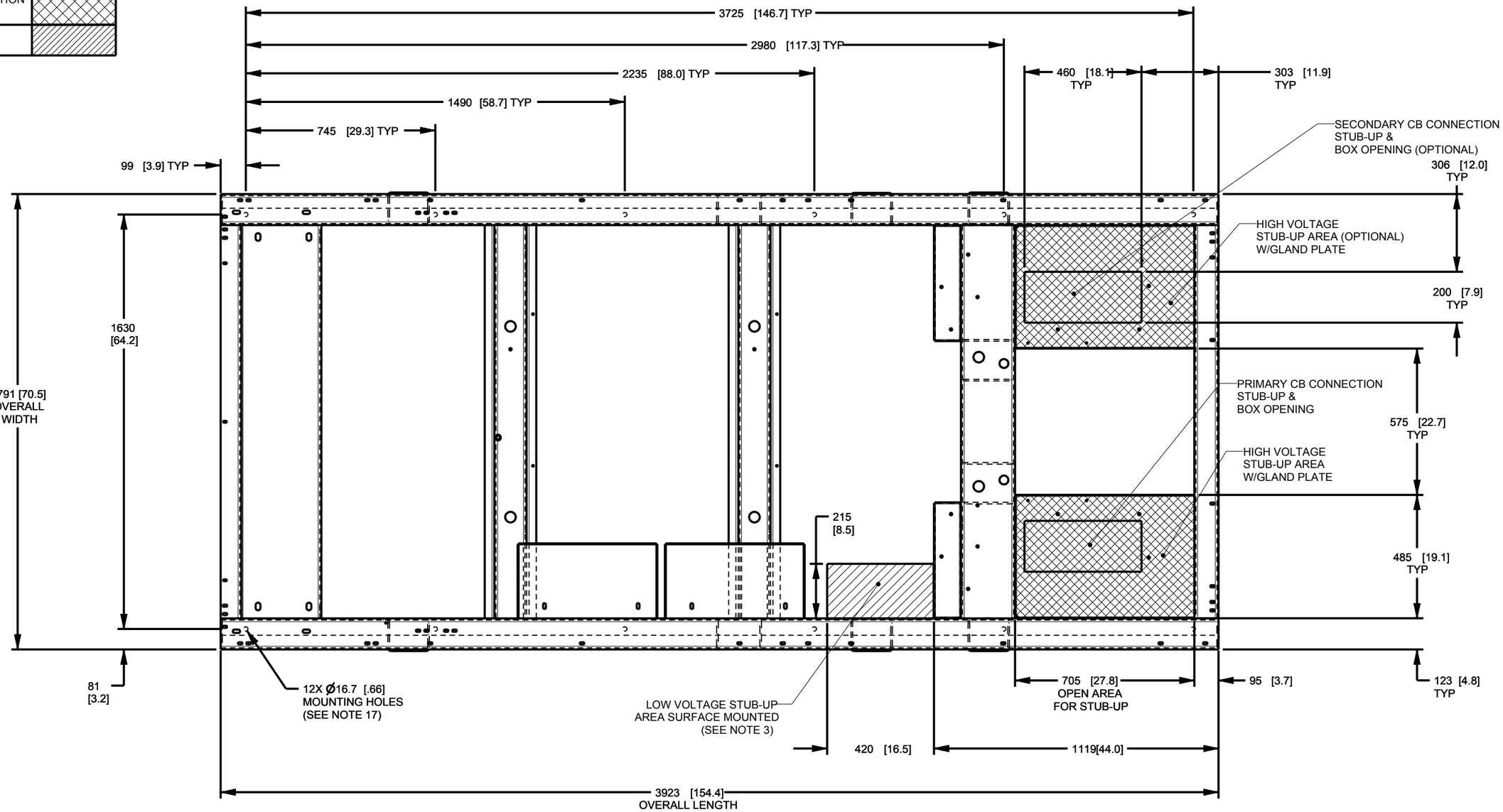
TITLE
OPEN SET G21.9L
60Hz:SG350,SG400,SG450,PG315,PG360,PG405
50Hz:SG280,SG320,SG360,PG252,PG288,PG324

ISSUE DATE:	11/14/18		
SIZE B	CAGE NO N/A	DWG NO 10000037143	REV F
SCALE 1.000	WT-KG 0.000	SHEET 1 of 4	

RECOMENDED ELECTRICAL STUB-UP

(HIGH VOLTAGE STUB-UP)
AC LOAD LEAD CONDUIT FOR
PERMANENT MAGNET EXCITATION
CONNECTION BOX

(LOW VOLTAGE STUB-UP)



DRAWING CREATED FROM PRO/ENGINEER 3D FILE. ECO MODIFICATION TO BE APPLIED TO SOLID MODEL ONLY.

DIMENSIONS ARE IN MILLIMETERS [INCHES]

INSTALLATION DRAWING

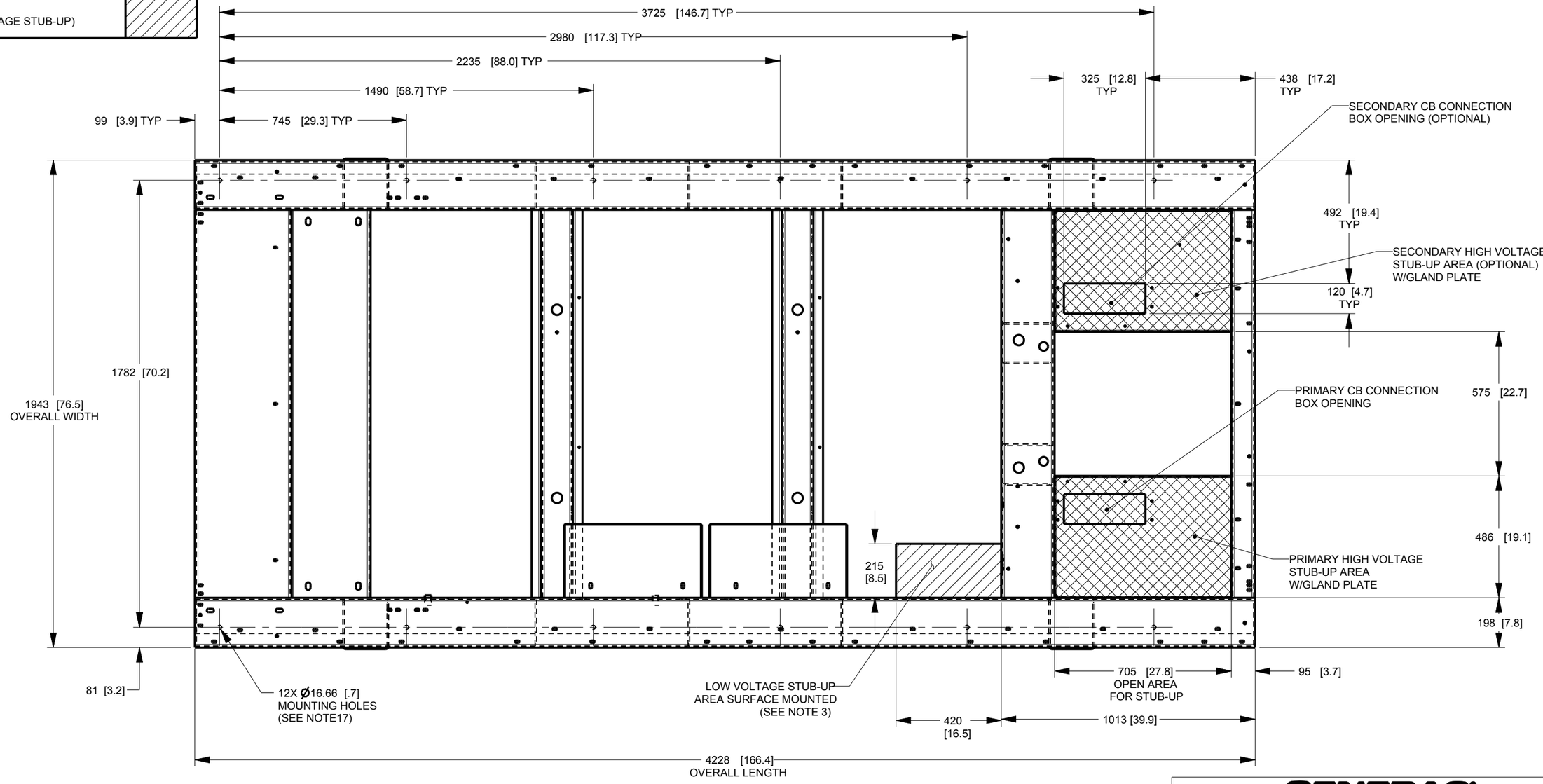
ELECTRONICALLY APPROVED
INSIDE WINDCHILL

GENERAC

TITLE
L1A & L2A STUB UP VIEW G21.9L
60Hz:SG350,SG400,SG450,PG315,PG360,PG405
50Hz:SG280,SG320,SG360,PG252,PG288, PG324

ISSUE DATE:	11/14/18			
SIZE B	CAGE NO N/A	DWG NO 10000037143		REV F
SCALE 1.000	WT-KG 0.000	SHEET 2 of 4		

RECOMENDED ELECTRICAL STUB-UP	
(HIGH VOLTAGE STUB-UP) AC LOAD LEAD CONDUIT FOR PERMANENT MAGNUT EXCITATION CONNECTION BOX	
(LOW VOLTAGE STUB-UP)	



DRAWING CREATED FROM PRO/ENGINEER 3D FILE. ECO MODIFICATION TO BE APPLIED TO SOLID MODEL ONLY.

DIMENSIONS ARE IN MILLIMETERS [INCHES]

INSTALLATION DRAWING

ELECTRONICALLY APPROVED
INSIDE WINDCHILL

GENERAC

TITLE
L3A STUB-UP VIEW G21.9L
60Hz:SG350,SG400,SG450,PG315,PG360,PG405
50Hz:SG280,SG320,SG360,PG252,PG288,PG324

ISSUE DATE:	11/14/18				
SIZE	CAGE NO	DWG NO		REV
B	N/A	10000037143		F
SCALE 1.000	WT-KG 0.000	SHEET 3 of 4		

OPEN SET

MODEL	VOLTAGE	WEIGHT	CENTER OF GRAVITY DIM X	CENTER OF GRAVITY DIM Y	CENTER OF GRAVITY DIM Z
SG 350/400, PG 315/360/405	400V, 480V & 600V	3,312 kg [7,286 lbs]	1988 [78.3]	667 [26.3]	837 [33.0]
SG 280/320, PG 252/288					
SG 350/400, PG 315/360/405	208V & 240V	3,757 kg [8,265 lbs]	1895 [74.6]	660 [26.0]	837 [33.0]
SG 450	480V				
SG 450	208V, 240V	3,917 kg [8,617 lbs]	1861 [73.3]	657 [25.9]	837 [33.0]
SG 350/400	208V, 240V, 480V UPSIZED				
SG 450	600V	3,753 kg [8,257 lbs]	1896 [74.6]	660 [26.0]	837 [33.0]
SG 350/400	600V UPSIZE				
SG400/450	208V	3,923 kg [8,650 lbs]	1860 [73.2]	657 [25.9]	843 [33.2]
SG450	240V				

NOTE:
CENTER OF GRAVITY AND WEIGHT MAY CHANGE DUE TO UNIT OPTIONS.

STD ENCLOSURE, STEEL

MODEL	VOLTAGE	WEIGHT	CENTER OF GRAVITY DIM X	CENTER OF GRAVITY DIM Y	CENTER OF GRAVITY DIM Z
SG 350/400, PG 315/360/405	400V, 480V & 600V	4,305 kg [9,490 lbs]	2243 [88.3]	803 [31.6]	838 [33.0]
SG 280/320, PG 252/288					
SG 350/400, PG 315/360/405	208V & 240V	4,561 kg [10,055 lbs]	2153 [84.8	787 [31.0]	838 [33.0]
SG 450	480V				
SG 450	SG 350/400	4,910 kg [10,802 lbs]	2117 [83.3]	780 [30.7]	838 [33.0]
SG 350/400	208V, 240V, 480V UPSIZED				
SG 450	600V	4,746 kg [10,441 lbs]	2154 [84.8]	788 [31.0]	838 [33.0]
SG 350/400	600V UPSIZE				
SG400/450	208V	4,916 kg [10,840 lbs]	2116 [83.3]	781 [30.8]	843 [33.2]
SG450	240V				

STD ENCLOSURE, ALUMINUM

WEIGHT	CENTER OF GRAVITY DIM X	CENTER OF GRAVITY DIM Y	CENTER OF GRAVITY DIM Z
3,812 kg [8,404 lbs]	2160 [85.0]	746 [29.4]	837 [33.0]
4,257 kg [9,365 lbs]	2064 [81.3]	734 [28.9]	837 [33.0]
4,417 kg [9,717 lbs]	2028 [79.8]	728 [28.7]	837 [33.0]
4,253 kg [9,357 lbs]	2065 [81.3]	734 [28.9]	837 [33.0]
4,423 kg [9,753 lbs]	2027 [79.8]	729 [28.7]	843 [33.2]

L1A ENCLOSURE, STEEL

MODEL	VOLTAGE	WEIGHT	CENTER OF GRAVITY DIM X	CENTER OF GRAVITY DIM Y	CENTER OF GRAVITY DIM Z
SG 350/400, PG 315/360/405	400V, 480V & 600V	4,762 kg [10,498 lbs]	2054 [80.9]	834 [32.8]	841 [33.1]
SG 280/320, PG 252/288					
SG 350/400, PG 315/360/405	208V & 240V	5,207 kg [11,155 lbs]	1986 [78.2]	818 [32.2]	841 [33.1]
SG 450	480V				
SG 450	SG 350/400	5,367 kg [11,807 lbs]	1960 [77.2]	811 [31.9]	841 [33.1]
SG 350/400	208V, 240V, 480V UPSIZED				
SG 450	600V	5,203 kg [11,447 lbs]	1987 [78.2]	818 [32.2]	841 [33.1]
SG 350/400	600V UPSIZE				
SG400/450	208V	5,373 kg [11,847 lbs]	1958 [77.1]	811 [31.9]	845 [33.3]
SG450	240V				

L1A ENCLOSURE, ALUMINUM

WEIGHT	CENTER OF GRAVITY DIM X	CENTER OF GRAVITY DIM Y	CENTER OF GRAVITY DIM Z
4,008 kg [8,818 lbs]	2066 [81.3]	766 [30.2]	839 [33.0]
4,453 kg [9,797 lbs]	1983 [78.1]	752 [78.1]	839 [33.0]
4,613 kg [10,149 lbs]	1952 [76.9]	1952 [76.9]	839 [33.0]
4,449 kg [9,788 lbs]	1984 [78.1]	1984 [78.1]	839 [33.0]
4,619 kg [10,185 lbs]	1950 [76.8]	746 [29.4]	844 [33.2]

L2A ENCLOSURE, STEEL

MODEL	VOLTAGE	WEIGHT	CENTER OF GRAVITY DIM X	CENTER OF GRAVITY DIM Y	CENTER OF GRAVITY DIM Z
SG 350/400, PG 315/360/405	400V, 480V & 600V	4,915 kg [10,836 lbs]	2271 [89.4]	1015 [40.0]	836 [32.9]
SG 280/320, PG 252/288					
SG 350/400, PG 315/360/405	208V & 240V	5,360 kg [11,792 lbs]	2191 [86.3]	987 [38.9]	836 [32.9]
SG 450	480V				
SG 450	SG 350/400	5,520 kg [12,144 lbs]	2159 [85.0]	975 [38.4]	836 [32.9]
SG 350/400	208V, 240V, 480V UPSIZED				
SG 450	600V	5,356 kg [11,783 lbs]	2192 [86.3]	988 [38.9]	836 [32.9]
SG 350/400	600V UPSIZE				
SG400/450	208V	5,526 kg [12,185 lbs]	2157 [84.9]	976 [38.4]	841 [33.1]
SG450	240V				

L2A ENCLOSURE, ALUMINUM

WEIGHT	CENTER OF GRAVITY DIM X	CENTER OF GRAVITY DIM Y	CENTER OF GRAVITY DIM Z
4,074 kg [8,963 lbs]	2181 [85.9]	863 [34.0]	836 [32.9]
4,519 kg [9,942 lbs]	2090 [82.3]	842 [33.1]	836 [32.9]
4,679 kg [10,294 lbs]	2055 [80.9]	832 [32.8]	836 [32.9]
4,515 kg [9,933 lbs]	2091 [82.3]	842 [33.1]	836 [32.9]
4,685 kg [10,330 lbs]	2054 [80.9]	833 [32.8]	841 [33.1]

L3A ENCLOSURE, STEEL

MODEL	VOLTAGE	WEIGHT	CENTER OF GRAVITY DIM X	CENTER OF GRAVITY DIM Y	CENTER OF GRAVITY DIM Z
SG 350/400, PG 315/360/405	400V, 480V & 600V	5,997 kg [13,224 lbs]	2409 [94.8]	995 [39.2]	1005 [39.6]
SG 280/320, PG 252/288					
SG 350/400, PG 315/360/405	208V & 240V	6,312 kg [13,919 lbs]	2342 [92.2]	975 [38.4]	1003 [39.5]
SG 450	480V				
SG 450	SG 350/400	6,472 kg [14,272 lbs]	2314 [91.1]	966 [38.0]	1003 [39.5]
SG 350/400	208V, 240V, 480V UPSIZED				
SG 450	600V	6,308 kg [13,910 lbs]	2342 [92.2]	975 [38.4]	1004 [39.5]
SG 350/400	600V UPSIZE				
SG400/450	208V	6,478 kg [14,285 lbs]	2309 [90.9]	965 [38.0]	1003 [39.5]
SG450	240V				

DRAWING CREATED FROM PRO/ENGINEER 3D FILE. ECO MODIFICATION TO BE APPLIED TO SOLID MODEL ONLY.

INSTALLATION DRAWING

ELECTRONICALLY APPROVED
INSIDE WINDCHILL

GENERAC

TITLE
WEIGHT AND CENTER OF GRAVITY
60Hz: SG350,SG400,SG450,PG3115,PG360,PG405
50Hz:SG280,SG320,SG360,PG252,PG288,PG324

ISSUE DATE: 11/14/18			
SIZE B	CAGE NO N/A	DWG NO 10000037143	REV F
SCALE 1.000	WT-KG 0.000	SHEET 4 of 4	