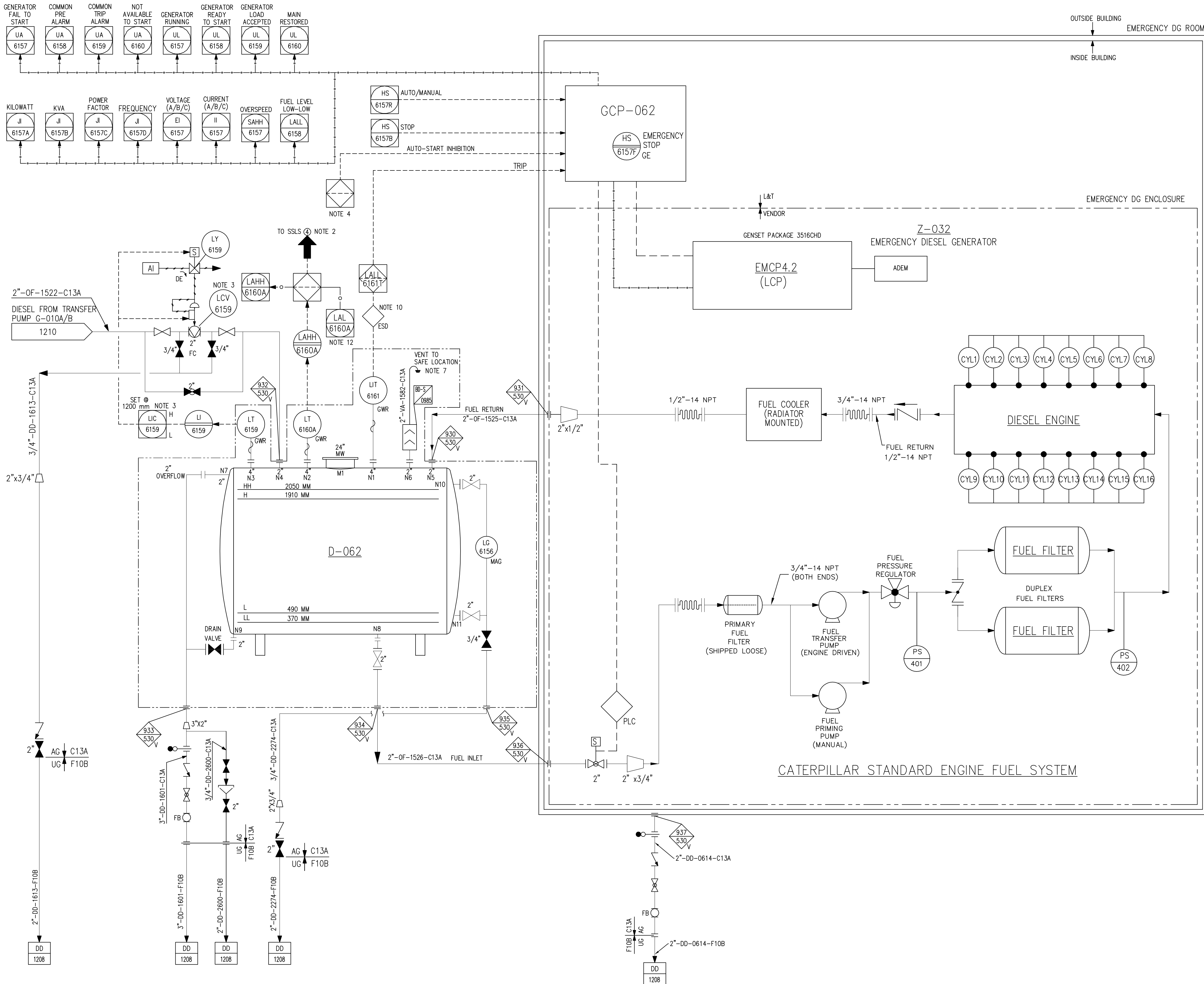


530-Z-032  
EMERGENCY DIESEL GENERATOR  
RATED CAPACITY KW (HP) : 1800 (2414)

530-D-062 NOTE 6  
EMERGENCY GENERATOR DIESEL DAY TANK  
CAPACITY m3 (BBLs) : 13.8 (86.8)  
ID mm (ft-in) : 2280 (7'-5")  
LENGTH mm (ft-in) : 3500 (11'-5")  
OP. PRESS./DESIGN PRESS.Barg (psig) : ATM (ATM+STATIC HEAD)  
OP. TEMP./DESIGN TEMP.C (°F) : 15-55/93~3 (27~131/200~27)



GENERAL NOTES:

- FOR STANDARD SYMBOLS AND NOMENCLATURE SEE DRAWINGS 50489-530-020-PID-1104.001 & .002.
- ALL EQUIPMENT NUMBERS SHOWN ON THIS P&ID ARE PRECEDED BY 530--.
- ALL INSTRUMENT NUMBERS SHOWN ON THIS P&ID ARE PRECEDED BY 530--.
- FOR TYPICAL INSTRUMENT CONNECTION SBDV, XV, MOV & ESDV DETAILS SEE DRAWINGS 50489-530-020-PID-1106.001, .002, .003, .004, .005, .006 & .007.
- FOR MISCELLANEOUS PIPING TYPICAL VALVING, DRAINAGE & GENERAL ARRANGEMENT OF LEVEL INSTRUMENTS, PUMPS, STRAINERS & CONTROL VALVES SEE DRAWINGS 50489-530-020-PID-1108.001 TO 1108.010.
- DRAWING NUMBERS SHOWN IN P&ID CONTINUATION BOXES ARE ABBREVIATED SHOWING DRAWING SEQUENTIAL NUMBERS ONLY. THE FULL FORM OF THE DRAWING NUMBER IS 50489-530-020-PID-XXXX.SHT.NO.
- FOR MATERIAL SELECTION DIAGRAM SEE DRAWINGS 50489-530-020-MSD-1001.001 TO 1023.
- DETAIL NUMBERING FOR CI, SC, CC & CP SEE DRAWING 50489-530-020-PID-1108.003.
- PAINTING & COATING ARE IN ACCORDANCE WITH KOC-P-001.
- LOW POINT DRAIN & HIGH POINT VENT ARE INDICATED IN P&ID.
- FOR CAUSE & EFFECT REFER DOC. NO. 50489-530-020-PHL-1009.
- FOR ALARM VALUES REFER DOC. NO. 50489-530-020-SUM-1006.

NOTES:

- DELETED.
- HIGH HIGH LIQUID ON ALL DAY TANKS STOPS DIESEL TRANSFER PUMPS (G-010A/B). HIGH HIGH LIQUID LEVEL ON INDIVIDUAL TANK CLOSERS THE RESPECTIVE XV.
- LCV-6159 CLOSE @ HLL, LCV-6159 OPEN @ LLL
- POWER CUT-OFF CASE.
- DELETED
- DAY TANK IS PART OF DIESEL GENERATOR PACKAGE VENDOR SCOPE.
- VENT TO SAFE LOCATION ARE AS PER KOC-G-002.
- CATERPILLAR STANDARD DRAWING IS FOR INFORMATION ONLY. TAGGING AND SYMBOLS CANNOT BE MODIFIED.
- FOR DETAIL OF COOLING SYSTEM, AIR INTAKE/EXHAUST SYSTEM, FUEL SYSTEM, LUBE OIL SYSTEM, ALTERNATOR, ENCLOSURE & MODBUS SIGNAL REFER VENDOR DOCUMENT. AS THESE ARE PART OF VENDOR STANDARD DRAWINGS.
- LL INDICATION IN ESD HMI.
- TOTAL PEAK LOAD STARTING TIME AFTER MAINS POWER FAILURE IS 15 SEC.
- LOW LEVEL ON ANY DAY TANK WILL AUTO START DUTY DIESEL TRANSFER PUMP.

AS-BUILT	
KOC APPROVAL	
NAME / KOC No:	
DESIGNATION :	
GROUP / TEAM :	
SIGNATURE :	
DATE :	

AS-BUILT	
LARSEN & TOUBRO LIMITED	
NAME :	VAIBHAV VERMA
DESIGNATION :	AGM
SIGNATURE :	
DATE :	28-Aug-2018
DEPT/ DIVISION :	ENGINEERING

Z0	ISSUED FOR AS-BUILT	HSB/CHS	AKG	SRA	RAK	28.08.18
01	ISSUED FOR CONSTRUCTION	HSB/CHS	AKG	SRA	RAK	02.08.16
0	ISSUED FOR CONSTRUCTION	PAK/CHS	AKG	SRA	RAK	29.06.16
D	ISSUED INCORPORATED CLIENT COMMENTS	PAK/CHS	AKG	SRA	RAK	27.05.16
C	ISSUED INCORPORATED CLIENT COMMENTS	BAK/VSA	AKG	SRA	RAK	11.09.15
B	ISSUED INCORPORATED CLIENT COMMENTS	BAK/VSA	AKG	SRA	RAK	17.02.15
A	ISSUED FOR APPROVAL	BAK/VSA	AKG	SRA	RAK	29.11.14
REV.	DESCRIPTION	DRAWN	CHECKED	HOD	PEM	DATE

CONTRACTOR REVISION



CONTRACTOR DETAILS:-  
**LARSEN & TOUBRO LIMITED**  
FARIDABAD

PROJECT TITLE:-  
NEW GATHERING CENTRE GC-30  
IN NORTH KUWAIT

DOCUMENT TITLE:-  
**PIPING & INSTRUMENTATION DIAGRAM**  
**EMERGENCY GENERATOR**

PROJECT NO.	DRAWING NO.
50489-530-020-PID-1215	Z0
SHEET NO. 1 OF 1	SHEET NO.
COMPANY DRG. NO.	REV.
EF1902-530-DCO-PID-0215.001	
SHEET NO.	