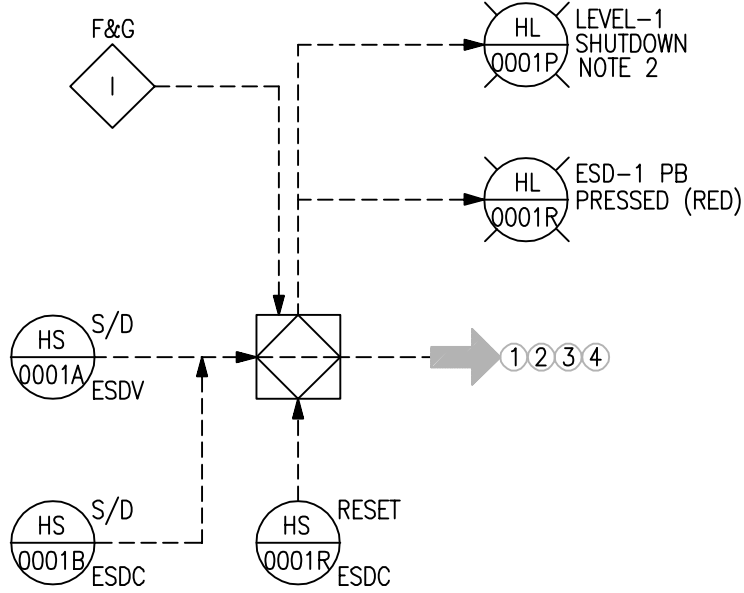


GENERAL NOTES:

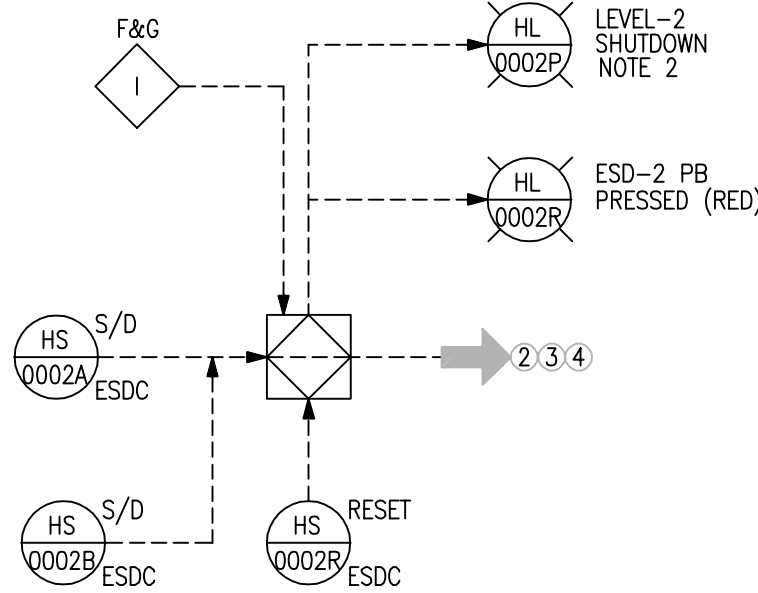
1. FOR PROCESS SHUTDOWN LOGIC, REFER TO CAUSE AND EFFECT CHART. 50489-530-020-PHL-1009.
2. FOR INDIVIDUAL HARDWIRED TRIP ALARM ON FASCIA ANNUNCIATOR PANEL, REFER TO CAUSE AND EFFECT CHART 50489-530-020-PHL-1009.
3. RADAR TYPE LIT AND TIT DO NOT HAVE ISOLATION VALVE.
4. ISOLATION VALVE FOR INSTRUMENT CONNECTED TO ESD SYSTEM IS 'LO' TYPE.

"HS" ON ESD PANEL IN CONTROL ROOM

"LEVEL 1" PLANT SHUTDOWN WITH AUTO DEPRESSURIZING

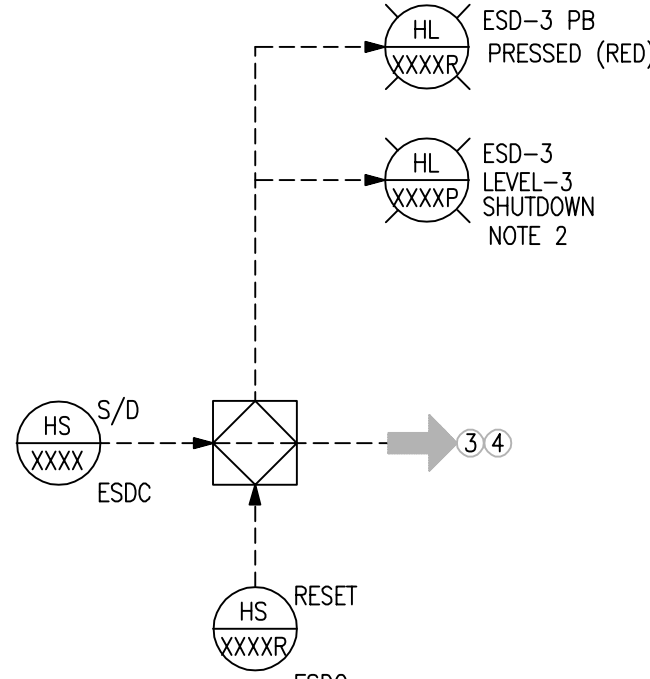


"LEVEL 2" PLANT SHUTDOWN WITHOUT DEPRESSURIZING



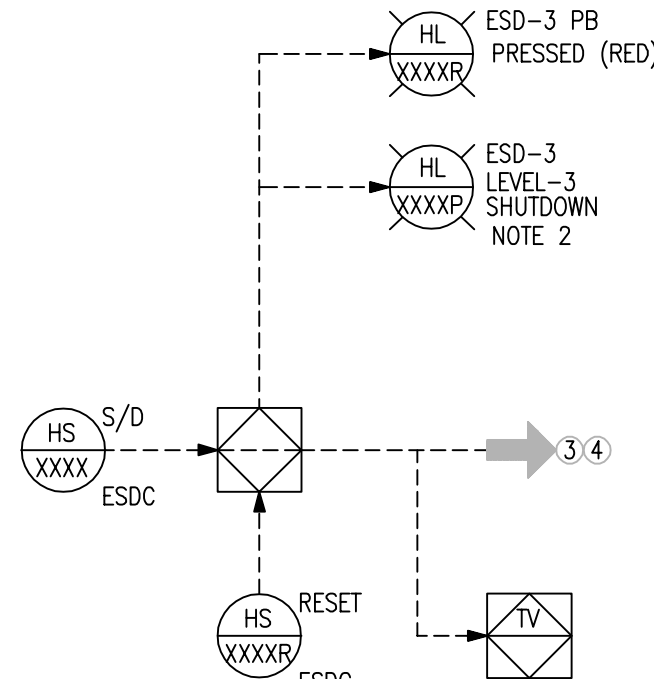
"LEVEL 3" INDIVIDUAL PROCESS SYSTEM

DESALTER TRAIN "A" & "B"



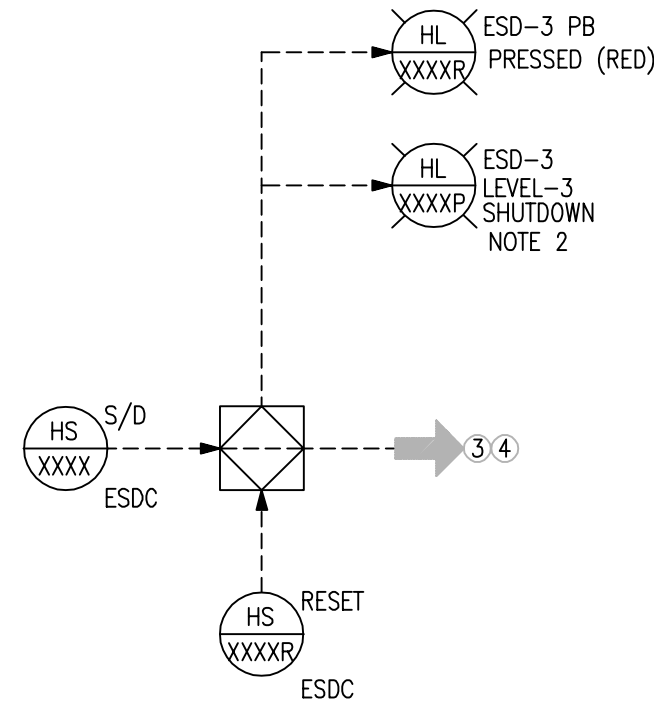
"LEVEL 3" INDIVIDUAL PROCESS SYSTEM

TV COMPRESSOR TRAIN "A", "B" & "C"

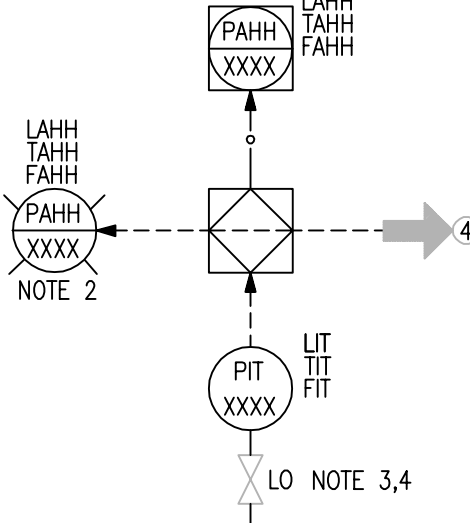


"LEVEL 3" INDIVIDUAL PROCESS SYSTEM

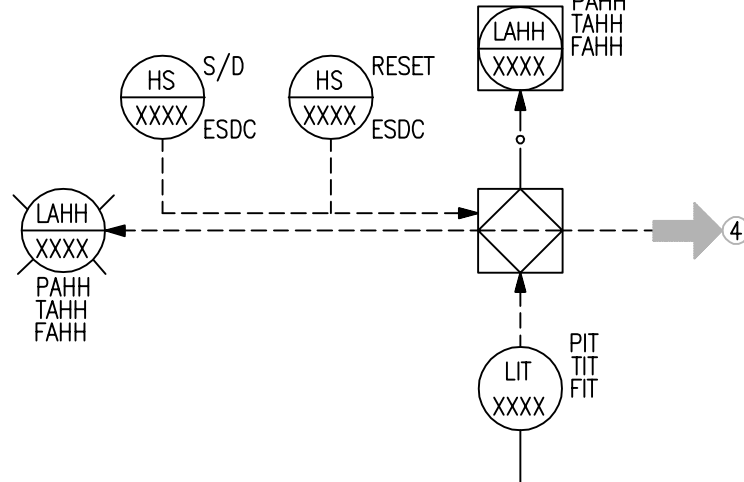
IGF TRAIN "A", "B" & "C"



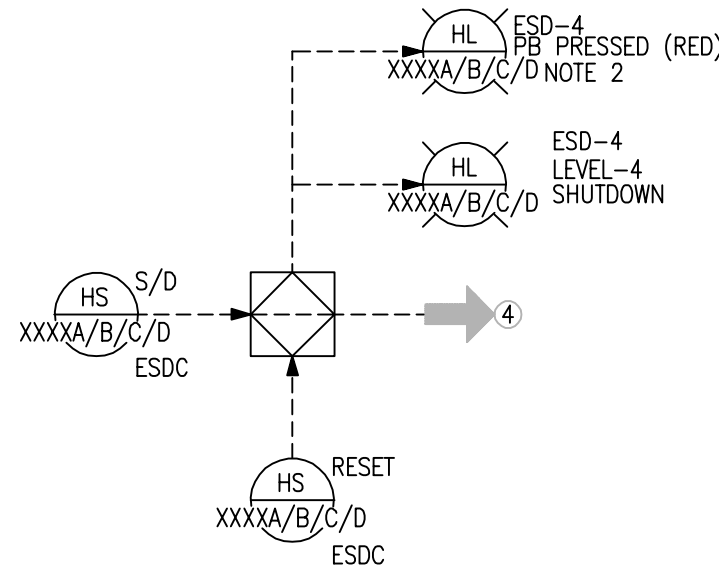
"LEVEL 4" ANNUNCIATOR ON ESD FASCIA (TYPICAL)



"LEVEL 4" ANNUNCIATOR ON ESD FASCIA "WITH RESET SWITCH"



"LEVEL 4" INDIVIDUAL PROCESS SYSTEM



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

AS-BUILT
LARSEN & TOUBRO LIMITED
NAME : VAIBHAV VERMA
DESIGNATION : AGM
SIGNATURE :
DATE : 05-Aug-2018
DEPT/ DIVISION : ENGINEERING

Z0	ISSUED FOR AS-BUILT	HSJ/JCP	AKG	SRA	DER	05.08.18
01	ISSUED FOR CONSTRUCTION	HSJ/JCP	AKG	SRA	DER	02.01.17
0	ISSUED FOR CONSTRUCTION	PAK/ABY	AKG	SRA	RAK	29.03.16
C	ISSUED INCORPORATED CLIENT COMMENTS	BAK/ABY	AKG	SRA	RAK	28.10.15
OC	ISSUED INCORPORATED CLIENT COMMENTS	BAK/ABY	AKG	SRA	RAK	08.09.15
B	GENERAL REVISION	JSI/VSA	AKG	SRA	RAK	17.01.15
A	ISSUED FOR APPROVAL	JSI/VSA	AKG	SRA	RAK	24.11.14
REV.	DESCRIPTION	DRAWN	CHECKED	HOD APPRD.	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
STANDARD DRAWING (TYPICAL ESD DETAIL)

PROJECT NO.	DRAWING NO.		
EF1902	CONTRACTOR DRG. NO.	REV.	KOC DRG. NO.
	50489-530-020-PID-1106.007	Z0	
	SHEET NO. 7 OF 7		SHEET NO.
	COMPANY DRG. NO.	REV.	
	EF1902-530-DC0-PID-0107.002	A1	
	SHEET NO.		