

SPEL Reference Schema

MAX_ID	1	TABLERNAME	NOT NULL	VARCHAR2(255)
MAX_ID	2	MAXSIZE		NUMBER(10)
SPIDCACHE	1	TABLERNAME	NOT NULL	VARCHAR2(255)
SPIDCACHE	2	PREVIOUSVALUE		NUMBER(10)
SPIDCACHE	3	LASTVALUE		NUMBER(10)
SPIDCACHE	4	ALTPREVIOUSVALUE		NUMBER(10)
SPIDCACHE	5	ALTLASTVALUE		NUMBER(10)
T_REFAMMETER	1	SP_ID	NOT NULL	VARCHAR2(32)
T_REFAMMETER	2	MINIMUMMETERCURRENTRANGE		VARCHAR2(40)
T_REFAMMETER	3	SP_MINIMUMMETERCURRENTRANGESI		FLOAT
T_REFAMMETER	4	MAXIMUMMETERCURRENTRANGE		VARCHAR2(40)
T_REFAMMETER	5	SP_MAXIMUMMETERCURRENTRANGESI		FLOAT
T_REFBATTERYBANK	1	SP_ID	NOT NULL	VARCHAR2(32)
T_REFBATTERYBANK	2	BATTERYBANKRATEDPOWER		VARCHAR2(40)
T_REFBATTERYBANK	3	SP_BATTERYBANKRATEDPOWERSI		FLOAT
T_REFBATTERYBANK	4	NUMBEROFCELLS		NUMBER(10)
T_REFBATTERYBANK	5	FLOODEDSEALFLAG		NUMBER(10)
T_REFBATTERYBANK	6	FLOATVOLTAGE		VARCHAR2(40)
T_REFBATTERYBANK	7	SP_FLOATVOLTAGESI		FLOAT
T_REFBATTERYBANK	8	BATTERYBANKCAPACITY		VARCHAR2(40)
T_REFBATTERYBANK	9	SP_BATTERYBANKCAPACITYSI		FLOAT
T_REFBATTERYCHARGER	1	SP_ID	NOT NULL	VARCHAR2(32)
T_REFBATTERYCHARGER	2	BATTERYCHARGERATEDPOWER		VARCHAR2(40)
T_REFBATTERYCHARGER	3	SP_BATTERYCHARGERATEDPOWERSI		FLOAT
T_REFBATTERYCHARGER	4	OUTPUTRATEDVOLTAGE		NUMBER(10)
T_REFBATTERYCHARGER	5	OUTPUTNOMINALCURRENT		VARCHAR2(40)
T_REFBATTERYCHARGER	6	SP_OUTPUTNOMINALCURRENTSI		FLOAT
T_REFBATTERYCHARGER	7	OUTPUTRATEDPOWER		VARCHAR2(40)
T_REFBATTERYCHARGER	8	SP_OUTPUTRATEDPOWERSI		FLOAT
T_REFBATTERYCHARGER	9	OUTPUTVOLTAGERANGE		VARCHAR2(80)
T_REFBATTERYCHARGER	10	MAXCHARGEVOLTAGE		VARCHAR2(40)
T_REFBATTERYCHARGER	11	SP_MAXCHARGEVOLTAGESI		FLOAT
T_REFBATTERYCHARGER	12	OUTPUTACDC		NUMBER(10)
T_REFBATTERYCHARGER	13	OUTPUTFREQUENCY		NUMBER(10)
T_REFBUS	1	SP_ID	NOT NULL	VARCHAR2(32)
T_REFBUS	2	PHASELABEL1		NUMBER(10)
T_REFBUS	3	PHASELABEL2		NUMBER(10)
T_REFBUS	4	PHASELABEL3		NUMBER(10)
T_REFBUS	5	NEUTRALLABEL		VARCHAR2(80)
T_REFBUS	6	GROUNDLABEL		VARCHAR2(80)
T_REFBUS	7	BUSBARARRANGEMENT		NUMBER(10)
T_REFBUS	8	BUSMATERIAL		NUMBER(10)
T_REFBUS	9	SHORTCIRCUITCAPACITY		VARCHAR2(40)
T_REFBUS	10	SP_SHORTCIRCUITCAPACITYSI		FLOAT
T_REFBUS	11	RATEDVOLTAGE		NUMBER(10)
T_REFBUS	12	FREQUENCY		NUMBER(10)
T_REFBUS	13	ZZCOINCIDENCEFACTOR		FLOAT
T_REFBUS	14	ZCOINCIDENCEFACTOR		FLOAT
T_REFBUS	15	YCOINCIDENCEFACTOR		FLOAT
T_REFBUS	16	XCOINCIDENCEFACTOR		FLOAT
T_REFBUS	17	CURRENTRATING		VARCHAR2(40)
T_REFBUS	18	SP_CURRENTRATINGSI		FLOAT
T_REFBUS	19	CONSUMEDACTIVELOAD		VARCHAR2(40)
T_REFBUS	20	SP_CONSUMEDACTIVELOADSI		FLOAT
T_REFBUS	21	CONSUMEDREACTIVELOAD		VARCHAR2(40)
T_REFBUS	22	SP_CONSUMEDREACTIVELOADSI		FLOAT
T_REFBUS	23	SP_CONSUMEDAPPARENTLOADSI		FLOAT
T_REFBUS	24	RATEDAPPARENTLOAD		VARCHAR2(40)
T_REFBUS	25	SP_RATEDAPPARENTLOADSI		FLOAT
T_REFBUS	26	RATEDREACTIVELOAD		VARCHAR2(40)
T_REFBUS	27	SP_RATEDREACTIVELOADSI		FLOAT
T_REFBUS	28	RATEDPOWER		VARCHAR2(40)
T_REFBUS	29	SP_RATEDPOWERSI		FLOAT

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T_REFBUS	30	RATEDCALCULATIONFLAG	NUMBER(10)
T_REFBUS	31	MODEALF	FLOAT
T_REFBUS	32	MODEADF	FLOAT
T_REFBUS	33	MODEBLF	FLOAT
T_REFBUS	34	MODEBDF	FLOAT
T_REFBUS	35	MODECLF	FLOAT
T_REFBUS	36	MODECDF	FLOAT
T_REFBUS	37	MODEDLF	FLOAT
T_REFBUS	38	MODEDDF	FLOAT
T_REFBUS	39	MODEELF	FLOAT
T_REFBUS	40	MODEEDF	FLOAT
T_REFBUS	41	MODEFLF	FLOAT
T_REFBUS	42	MODEFDF	FLOAT
T_REFBUS	43	MODEGLF	FLOAT
T_REFBUS	44	MODEGDF	FLOAT
T_REFBUS	45	MODEHLF	FLOAT
T_REFBUS	46	MODEHDF	FLOAT
T_REFBUS	47	MODEILF	FLOAT
T_REFBUS	48	MODEIDF	FLOAT
T_REFBUS	49	MODEJLF	FLOAT
T_REFBUS	50	MODEJDF	FLOAT
T_REFBUS	51	DRILLDOWNENABLEFLAG	NUMBER(10)
T_REFBUS	52	PERCENTSPARELOAD	FLOAT
T_REFBUS	53	PERCENTOVERLOAD	FLOAT
T_REFBUSWAY	1	SP_ID	NOT NULL VARCHAR2(32)
T_REFBUSWAY	2	BUSBARARRANGEMENT	NUMBER(10)
T_REFBUSWAY	3	BUSMATERIAL	NUMBER(10)
T_REFBUSWAY	4	SHORTCIRCUITCAPACITY	VARCHAR2(40)
T_REFBUSWAY	5	SP_SHORTCIRCUITCAPACITYSI	FLOAT
T_REFBUSWAY	6	WEIGHTPERLENGTH	VARCHAR2(40)
T_REFBUSWAY	7	SP_WEIGHTPERLENGTHSI	FLOAT
T_REFBUSWAY	8	ACTUALLENGTH	VARCHAR2(40)
T_REFBUSWAY	9	SP_ACTUALLENGTHSI	FLOAT
T_REFBUSWAY	10	RATEDVOLTAGE	NUMBER(10)
T_REFBUSWAY	11	FREQUENCY	NUMBER(10)
T_REFBUSWAY	12	CURRENTRATING	VARCHAR2(40)
T_REFBUSWAY	13	SP_CURRENTRATINGSI	FLOAT
T_REFCABINET	1	SP_ID	NOT NULL VARCHAR2(32)
T_REFCABINET	2	RATEDVOLTAGE	NUMBER(10)
T_REFCABINET	3	NUMBEROFWIRES	NUMBER(10)
T_REFCABINET	4	FREQUENCY	NUMBER(10)
T_REFCABINET	5	OPERATINGMODE	NUMBER(10)
T_REFCABINET	6	ISLOAD	NUMBER(10)
T_REFCABINET	7	OUTPUTRATEDVOLTAGE	NUMBER(10)
T_REFCABINET	8	STARTINGCURRENT	VARCHAR2(40)
T_REFCABINET	9	SP_STARTINGCURRENTSI	FLOAT
T_REFCABINET	10	PROCESSOPERATIONALREQUIREMENT	NUMBER(10)
T_REFCABINET	11	POWERFACTORFULLLOAD	FLOAT
T_REFCABINET	12	ZZCOINCIDENCEFACTOR	FLOAT
T_REFCABINET	13	ZCOINCIDENCEFACTOR	FLOAT
T_REFCABINET	14	YCOINCIDENCEFACTOR	FLOAT
T_REFCABINET	15	XCOINCIDENCEFACTOR	FLOAT
T_REFCABINET	16	CONSUMEDACTIVELOAD	VARCHAR2(40)
T_REFCABINET	17	SP_CONSUMEDACTIVELOADSI	FLOAT
T_REFCABINET	18	RATEDACTIVELOAD	VARCHAR2(40)
T_REFCABINET	19	SP_RATEDACTIVELOADSI	FLOAT
T_REFCABINET	20	CONSUMEDREACTIVELOAD	VARCHAR2(40)
T_REFCABINET	21	SP_CONSUMEDREACTIVELOADSI	FLOAT
T_REFCABINET	22	RATEDAPPARENTLOAD	VARCHAR2(40)
T_REFCABINET	23	SP_RATEDAPPARENTLOADSI	FLOAT
T_REFCABINET	24	RATEDREACTIVELOAD	VARCHAR2(40)
T_REFCABINET	25	SP_RATEDREACTIVELOADSI	FLOAT
T_REFCABINET	26	PHASEARRANGEMENT	NUMBER(10)

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T_REFCABINET	27	FLACALCULATIONFLAG	NUMBER(10)
T_REFCABINET	28	PHASE1USAGE	NUMBER(10)
T_REFCABINET	29	PHASE2USAGE	NUMBER(10)
T_REFCABINET	30	PHASE3USAGE	NUMBER(10)
T_REFCABINET	31	CABINETRATEDPOWER	VARCHAR2(40)
T_REFCABINET	32	SP_CABINETRATEDPOWERSI	FLOAT
T_REFCABLE	1	SP_ID	NOT NULL VARCHAR2(32)
T_REFCABLE	2	RESTARTFLAG	NUMBER(10)
T_REFCABLE	3	NOCONDUCTOR	NUMBER(10)
T_REFCABLE	4	NOOFSETS	NUMBER(10)
T_REFCABLE	5	NOOFCONDUCTINGGROUP	NUMBER(10)
T_REFCABLE	6	ROUTING	NUMBER(10)
T_REFCABLE	7	ROUTINGPATH	VARCHAR2(1250)
T_REFCABLE	8	CABLESIZINGFLAG	NUMBER(10)
T_REFCABLE	9	BENDINGRADIUS	VARCHAR2(40)
T_REFCABLE	10	SP_BENDINGRADIUSI	FLOAT
T_REFCABLE	11	PULLTENSION	VARCHAR2(40)
T_REFCABLE	12	SP_PULLTENSIONS	FLOAT
T_REFCABLE	13	RECOMMENDCONDUCTORSSIZE	NUMBER(10)
T_REFCABLE	14	CABLEUSAGE	NUMBER(10)
T_REFCABLE	15	CABLECATEGORY	NUMBER(10)
T_REFCABLE	16	CABLESPECIFICATION	NUMBER(10)
T_REFCABLE	17	ARMORTYPE	NUMBER(10)
T_REFCABLE	18	JACKETINSULATIONMATERIAL	NUMBER(10)
T_REFCABLE	19	JACKETCOLOR	NUMBER(10)
T_REFCABLE	20	JACKETINSULATIONTEMPRATING	NUMBER(10)
T_REFCABLE	21	INNERINSULATIONTEMPRATING	NUMBER(10)
T_REFCABLE	22	CALCVOLTAGEDROPPERCENT	FLOAT
T_REFCABLE	23	DESIGNLENGTH	VARCHAR2(40)
T_REFCABLE	24	SP_DESIGNLENGTHSI	FLOAT
T_REFCABLE	25	DERATEDAMPACITY	VARCHAR2(40)
T_REFCABLE	26	WEIGHTPERLENGTH	VARCHAR2(40)
T_REFCABLE	27	SP_WEIGHTPERLENGTHSI	FLOAT
T_REFCABLE	28	CONDUCTORARRANGEMENT	NUMBER(10)
T_REFCABLE	29	ACTUALLENGTH	VARCHAR2(40)
T_REFCABLE	30	SP_ACTUALLENGTHSI	FLOAT
T_REFCABLE	31	BASICAMPACITYINGROUND	VARCHAR2(40)
T_REFCABLE	32	SP_BASICAMPACITYINGROUNDSI	FLOAT
T_REFCABLE	33	BASICAMPACITYINAIR	VARCHAR2(40)
T_REFCABLE	34	SP_BASICAMPACITYINAIRSI	FLOAT
T_REFCABLE	35	CALCSTARTINGVOLTAGEDROP	FLOAT
T_REFCABLE	36	NOADDITIONALCONDUCTOR	NUMBER(10)
T_REFCABLE	37	ADDITIONALCONDUCTORSIZE	NUMBER(10)
T_REFCABLE	38	RATEDVOLTAGE	NUMBER(10)
T_REFCABLE	39	SP_CONNECTIONSIDE2ID	VARCHAR2(32)
T_REFCABLE	40	POWERFACTORATSTARTING	FLOAT
T_REFCABLE	41	LOADCHANGINGFLAG	NUMBER(10)
T_REFCABLE	42	SP_CONNECTIONSIDE1ID	VARCHAR2(32)
T_REFCABLE	43	SP_DERATEDAMPACITYSI	FLOAT
T_REFCABLE	44	SP_REFCOLORPATTERNID	VARCHAR2(32)
T_REFCABLE	45	ESTIMATEDCABLELENGTH	VARCHAR2(40)
T_REFCABLE	46	SP_ESTIMATEDCABLELENGTHSI	FLOAT
T_REFCABLE	47	ALLOWVOLTDROPPERCENTRUNNING	FLOAT
T_REFCABLE	48	ALLOWVOLTDROPPERCENTSTART	FLOAT
T_REFCABLE	49	CALCNOOFFPARALLELEDPCABLE	NUMBER(10)
T_REFCABLE	50	SYSTEMCABLECATEGORY	NUMBER(10)
T_REFCABLE	51	CABLEFORMATION	VARCHAR2(80)
T_REFCABLE	52	STARTINGCURRENT	VARCHAR2(40)
T_REFCABLE	53	SP_STARTINGCURRENTSI	FLOAT
T_REFCABLE	54	POWERFACTORFULLLOAD	FLOAT
T_REFCABLE	55	CABLESETTYPE	NUMBER(10)
T_REFCABLE	56	SHORTCIRCUITDURATION	VARCHAR2(40)
T_REFCABLE	57	SP_SHORTCIRCUITDURATIONS	FLOAT

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T_REFCABLE	58 SHORTCIRCUITFAULTCURRENT	VARCHAR2(40)
T_REFCABLE	59 SP_SHORTCIRCUITFAULTCURRENTSI	FLOAT
T_REFCABLE	60 SHORTCIRCUITMINIMUMAREA	NUMBER(10)
T_REFCABLE	61 OVERALLSHIELDFLAG	NUMBER(10)
T_REFCABLE	62 COMMUNICATIONWIREFLAG	NUMBER(10)
T_REFCABLE	63 OVERALLSHIELDSIZE	NUMBER(10)
T_REFCABLE	64 OVERALLSHIELDMATERIAL	NUMBER(10)
T_REFCABLE	65 PULLINGAREA	NUMBER(10)
T_REFCABLE	66 TAIL1LENGTH	VARCHAR2(40)
T_REFCABLE	67 SP_TAIL1LENGTHSI	FLOAT
T_REFCABLE	68 TAIL2LENGTH	VARCHAR2(40)
T_REFCABLE	69 SP_TAIL2LENGTHSI	FLOAT
T_REFCABLE	70 SPARELENGTH	VARCHAR2(40)
T_REFCABLE	71 SP_SPARELENGTHSI	FLOAT
T_REFCABLE	72 APPLY25PERCENTFACTORFLAG	NUMBER(10)
T_REFCABLE	73 AMBIENTTEMPERATUREFACTOR	FLOAT
T_REFCABLE	74 DRUMMAXCABLELENGTH	VARCHAR2(40)
T_REFCABLE	75 SP_DRUMMAXCABLELENGTHSI	FLOAT
T_REFCABLE	76 NEUTRALEARTHING	NUMBER(10)
T_REFCABLE	77 DRUMMINCABLELENGTH	VARCHAR2(40)
T_REFCABLE	78 SP_DRUMMINCABLELENGTHSI	FLOAT
T_REFCABLE	79 SP_REFGLANDSIDE1ID	VARCHAR2(32)
T_REFCABLE	80 SP_REFGLANDSIDE2ID	VARCHAR2(32)
T_REFCABLE	81 PROTECTIONDEVICESETTINGFLAG	NUMBER(10)
T_REFCABLE	82 PROTECTIONDEVICESETTING	VARCHAR2(40)
T_REFCABLE	83 SP_PROTECTIONDEVICESETTINGSI	FLOAT
T_REFCABLE	84 ROUTEDLENGTH	VARCHAR2(40)
T_REFCABLE	85 SP_ROUTEDLENGTHSI	FLOAT
T_REFCABLE	86 ARMORRESISTIVITY	VARCHAR2(40)
T_REFCABLE	87 SP_ARMORRESISTIVITYSI	FLOAT
T_REFCABLE	88 ARMORREACTANCE	VARCHAR2(40)
T_REFCABLE	89 SP_ARMORREACTANCESI	FLOAT
T_REFCABLE	90 EXTERNALEARTHIMPEDANCE	VARCHAR2(40)
T_REFCABLE	91 SP_EXTERNALEARTHIMPEDANCESI	FLOAT
T_REFCABLE	92 GRANDINGFORIMPEDANCECALC	NUMBER(10)
T_REFCABLE	93 CALCEARTHLOOPIMPEDANCE	VARCHAR2(40)
T_REFCABLE	94 SP_CALCEARTHLOOPIMPEDANCESI	FLOAT
T_REFCABLE	95 EARTHLOOPIMPEDANCECALCREQUIRED	NUMBER(10)
T_REFCABLE	96 ROUTINGSTATUS	NUMBER(10)
T_REFCABLE	97 SEGREGATIONLEVEL	NUMBER(10)
T_REFCABLE	98 AVAILABILITY	NUMBER(10)
T_REFCABLE	99 BASICAMPACITYINDUCT	VARCHAR2(40)
T_REFCABLE	100 SP_BASICAMPACITYINDUCTSI	FLOAT
T_REFCABLE	101 CORESSCREENMATERIAL	NUMBER(10)
T_REFCABLE	102 CABLESCREENMATERIAL	NUMBER(10)
T_REFCABLE	103 SP_CODEFACTOR	FLOAT
T_REFCABLE	104 SP_KKSCABLEAPPLICATIONAREA	NUMBER(10)
T_REFCABLE	105 CONDUITSIZE	VARCHAR2(40)
T_REFCABLE	106 SP_CONDUITSIZESI	FLOAT
T_REFCABLE	107 CONDSIZE	NUMBER(10)
T_REFCABLE	108 ULLISTING	NUMBER(10)
T_REFCABLESET	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFCABLESET	2 ARMORTYPE	NUMBER(10)
T_REFCABLESET	3 SP_REFCABLEID	VARCHAR2(32)
T_REFCABLESET	4 CABLESETTYPE	NUMBER(10)
T_REFCABLEWAYCOMPONENT	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFCABLEWAYCOMPONENT	2 BENDINGRADIUS	VARCHAR2(40)
T_REFCABLEWAYCOMPONENT	3 SP_BENDINGRADIUSI	FLOAT
T_REFCABLEWAYCOMPONENT	4 WEIGHTPERLENGTH	VARCHAR2(40)
T_REFCABLEWAYCOMPONENT	5 SP_WEIGHTPERLENGTHSI	FLOAT
T_REFCABLEWAYCOMPONENT	6 ACTUALLLENGTH	VARCHAR2(40)
T_REFCABLEWAYCOMPONENT	7 SP_ACTUALLLENGTHSI	FLOAT
T_REFCABLEWAYCOMPONENT	8 CABLEWAYCOMPONENTMATERIAL	NUMBER(10)

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T_REFCABLEWAYCOMPONENT	9 RACEWAYCOMPONENTTYPE	NUMBER(10)
T_REFCABLEWAYCOMPONENT	10 ALLOWABLEAREA	VARCHAR2(40)
T_REFCABLEWAYCOMPONENT	11 SP_ALLOWABLEAREASI	FLOAT
T_REFCABLEWAYCOMPONENT	12 CABLEWAYFILLFACTOR	FLOAT
T_REFCABLEWAYCOMPONENT	13 WEIGHTFACTOR	FLOAT
T_REFCABLEWAYCOMPONENT	14 COUNTQUANTITY	NUMBER(10)
T_REFCABLEWAYCOMPONENT	15 ISVENTILATED	NUMBER(10)
T_REFCABLEWAYCOMPONENT	16 ISCOVERING	NUMBER(10)
T_REFCABLEWAYCOMPONENT	17 RACEWAYWIDTH	VARCHAR2(40)
T_REFCABLEWAYCOMPONENT	18 SP_RACEWAYWIDTHSI	FLOAT
T_REFCABLEWAYCOMPONENT	19 RACEWAYDEPTH	VARCHAR2(40)
T_REFCABLEWAYCOMPONENT	20 SP_RACEWAYDEPTHSI	FLOAT
T_REFCABLEWAYCOMPONENT	21 NORMALSPAN	VARCHAR2(40)
T_REFCABLEWAYCOMPONENT	22 SP_NORMALSPANSI	FLOAT
T_REFCABLEWAYCOMPONENT	23 RACEWAYNOMINALSIZE	VARCHAR2(40)
T_REFCABLEWAYCOMPONENT	24 SP_RACEWAYNOMINALSIZESI	FLOAT
T_REFCABLEWAYCOMPONENT	25 SEGREGATIONLEVEL	NUMBER(10)
T_REFCABLEWAYCOMPONENT	26 ISMETALLIC	NUMBER(10)
T_REFCABLEWAYCOMPONENT	27 MAXWEIGHTPERLENGTH	VARCHAR2(40)
T_REFCABLEWAYCOMPONENT	28 SP_MAXWEIGHTPERLENGTHSI	FLOAT
T_REFCABLEWAYCOMPONENT	29 MAXAREA	VARCHAR2(40)
T_REFCABLEWAYCOMPONENT	30 SP_MAXAREASI	FLOAT
T_REFCAPACITOR	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFCAPACITOR	2 CAPACITORRATEDPOWER	VARCHAR2(40)
T_REFCAPACITOR	3 SP_CAPACITORRATEDPOWERSI	FLOAT
T_REFCAPACITOR	4 CURRENTREDUCTIONPERCENTAGE	FLOAT
T_REFCAPACITOR	5 CAPACITORCELLTYPE	NUMBER(10)
T_REFCELL	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFCELL	2 WITHDRAWABLE	NUMBER(10)
T_REFCELL	3 CELLUSAGE	NUMBER(10)
T_REFCELL	4 CELLFUNCTION	NUMBER(10)
T_REFCELL	5 SUBFUNCTION	NUMBER(10)
T_REFCELL	6 CELLWIDTH	FLOAT
T_REFCELL	7 CELLHEIGHT	FLOAT
T_REFCELL	8 CELLINDEX	NUMBER(10)
T_REFCELL	9 ISFRONT	NUMBER(10)
T_REFCELL	10 ICONPATH	VARCHAR2(80)
T_REFCIRCUIT	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFCIRCUIT	2 SP_REFPANELID	VARCHAR2(32)
T_REFCIRCUIT	3 SPACEFACTOR	NUMBER(10)
T_REFCIRCUIT	4 CIRCUITTYPE	NUMBER(10)
T_REFCIRCUIT	5 CIRCUITMODE	NUMBER(10)
T_REFCIRCUITBREAKER	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFCIRCUITBREAKER	2 THERMALRELEASEADJRANGE	VARCHAR2(80)
T_REFCIRCUITBREAKER	3 THERMALRELEASESETTING	VARCHAR2(80)
T_REFCIRCUITBREAKER	4 EARTHLEAKAGEPROTECTION	NUMBER(10)
T_REFCIRCUITBREAKER	5 DUTY	NUMBER(10)
T_REFCIRCUITBREAKER	6 CIRCUITBREAKERTRIPCLASS	NUMBER(10)
T_REFCIRCUITBREAKER	7 SHORTCBULTIMATECAPACITY	VARCHAR2(80)
T_REFCIRCUITBREAKER	8 CBCURVE	NUMBER(10)
T_REFCIRCUITBREAKER	9 MAGNETICRELEASEADJRANGE	VARCHAR2(80)
T_REFCIRCUITBREAKER	10 MAGNETICRELEASESETTING	VARCHAR2(80)
T_REFCOLORINSTANCE	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFCOLORINSTANCE	2 PATTERNCOLOR	NUMBER(10)
T_REFCOLORINSTANCE	3 PATTERNSEQ	NUMBER(10)
T_REFCOLORINSTANCE	4 SP_REFCOLORPATTERNID	VARCHAR2(32)
T_REFCOLORPATTERN	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFCOLORPATTERN	2 CONDUCTORSNO	NUMBER(10)
T_REFCOLORPATTERN	3 COLORMETHOD	NUMBER(10)
T_REFCONDUCTOR	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFCONDUCTOR	2 PHASE	VARCHAR2(80)
T_REFCONDUCTOR	3 SP_CONNECTIONSIDE2ID	VARCHAR2(32)
T_REFCONDUCTOR	4 SP_REFCABLEID	VARCHAR2(32)

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T_REFCONDUCTOR	5 SP_CONNECTIONSIDE1ID	VARCHAR2(32)
T_REFCONDUCTOR	6 POLARITY	NUMBER(10)
T_REFCONDUCTOR	7 SP_REFCABLESETID	VARCHAR2(32)
T_REFCONDUIT	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFCONDUIT	2 INNERDIAMETER	VARCHAR2(40)
T_REFCONDUIT	3 SP_INNERDIAMETERSI	FLOAT
T_REFCONDUIT	4 ISCONDUITFLEXIBILITY	NUMBER(10)
T_REFCONFIGURATION	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFCONFIGURATION	2 FILENAME	VARCHAR2(4000)
T_REFCONFIGURATION	3 NAME	VARCHAR2(80)
T_REFCONFIGURATION	4 ITEMTAG	VARCHAR2(50)
T_REFCONFIGURATION	5 PLANTITEMTYPE	NUMBER(10)
T_REFCONFIGURATION	6 SEQUENCEINGROUP	NUMBER(10)
T_REFCONFIGURATION	7 ITEMTAGFULLNAME	VARCHAR2(80)
T_REFCONFIGURATION	8 ELECTRICAL EQUIPMENTTYPE	NUMBER(10)
T_REFCONFIGURATION	9 ELECTRICAL EQUIPMENTCLASS	NUMBER(10)
T_REFCONFIGURATION	10 ELECTRICAL EQUIPMENTSUBCLASS	NUMBER(10)
T_REFCONFIGURATION	11 COMPLYTONAMINGCONVENTION	NUMBER(10)
T_REFCONNECTIONTYPE	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFCONNECTIONTYPE	2 CABLETYPE	NUMBER(10)
T_REFCONNECTIONTYPE	3 NOOFTERMINALS	NUMBER(10)
T_REFCONNECTIONTYPE	4 NOOFWIRES	NUMBER(10)
T_REFCONNECTIONTYPE	5 SKIPBETWEENSETS	NUMBER(10)
T_REFCONNECTIONTYPE	6 SHIELDTYPE	NUMBER(10)
T_REFCONNECTIONTYPE	7 OTHERSPECIALTERMINALTYPE	NUMBER(10)
T_REFCONNECTIONTYPEWIRE	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFCONNECTIONTYPEWIRE	2 WIRETAGSIDEA	VARCHAR2(80)
T_REFCONNECTIONTYPEWIRE	3 OFFSETSIDEA	NUMBER(10)
T_REFCONNECTIONTYPEWIRE	4 LANDINGSIDEA	NUMBER(10)
T_REFCONNECTIONTYPEWIRE	5 WIRETYPEIDEA	NUMBER(10)
T_REFCONNECTIONTYPEWIRE	6 WIRETAGSIDEB	VARCHAR2(80)
T_REFCONNECTIONTYPEWIRE	7 OFFSETSIDEB	NUMBER(10)
T_REFCONNECTIONTYPEWIRE	8 LANDINGSIDEB	NUMBER(10)
T_REFCONNECTIONTYPEWIRE	9 WIRETYPEB	NUMBER(10)
T_REFCONNECTIONTYPEWIRE	10 SP_STRIPSIDEAID	VARCHAR2(32)
T_REFCONNECTIONTYPEWIRE	11 SP_STRIPSIDEAID	VARCHAR2(32)
T_REFCONNECTIONTYPEWIRE	12 SP_REFCONNECTIONTYPEID	VARCHAR2(32)
T_REFCONTACTOR	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFCONTACTOR	2 CONTACTORRATING	NUMBER(10)
T_REFCONTROLSTATION	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFCONVERTINGELECTEQUIP	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFCONVERTINGELECTEQUIP	2 CONVERTINGEQUIPPOWERFACTOR	FLOAT
T_REFCONVERTINGELECTEQUIP	3 EFFICIENCYOPERATING	FLOAT
T_REFCONVERTINGELECTEQUIP	4 SIGNALOUTOFSERVICEREQ	NUMBER(10)
T_REFCONVERTINGELECTEQUIP	5 SIGNALFAULTREQ	NUMBER(10)
T_REFCONVERTINGELECTEQUIP	6 SIGNALSTANDBYREQ	NUMBER(10)
T_REFCONVERTINGELECTEQUIP	7 SIGNALREMOTEREQ	NUMBER(10)
T_REFCONVERTINGELECTEQUIP	8 SIGNALSTATUSCONTROLREQ	NUMBER(10)
T_REFCONVERTINGELECTEQUIP	9 STOPCONTROLFLAG	NUMBER(10)
T_REFCONVERTINGELECTEQUIP	10 STARTCONTROLFLAG	NUMBER(10)
T_REFCONVERTINGELECTEQUIP	11 CONSUMEDACTIVELOAD	VARCHAR2(40)
T_REFCONVERTINGELECTEQUIP	12 SP_CONSUMEDACTIVELOADSI	FLOAT
T_REFCONVERTINGELECTEQUIP	13 RATEDACTIVELOAD	VARCHAR2(40)
T_REFCONVERTINGELECTEQUIP	14 SP_RATEDACTIVELOADSI	FLOAT
T_REFCONVERTINGELECTEQUIP	15 CONSUMEDREACTIVELOAD	VARCHAR2(40)
T_REFCONVERTINGELECTEQUIP	16 SP_CONSUMEDREACTIVELOADSI	FLOAT
T_REFCONVERTINGELECTEQUIP	17 CONSUMEDAPPARENTLOAD	VARCHAR2(40)
T_REFCONVERTINGELECTEQUIP	18 SP_CONSUMEDAPPARENTLOADSI	FLOAT
T_REFCONVERTINGELECTEQUIP	19 RATEDAPPARENTLOAD	VARCHAR2(40)
T_REFCONVERTINGELECTEQUIP	20 SP_RATEDAPPARENTLOADSI	FLOAT
T_REFCONVERTINGELECTEQUIP	21 RATEDREACTIVELOAD	VARCHAR2(40)
T_REFCONVERTINGELECTEQUIP	22 SP_RATEDREACTIVELOADSI	FLOAT
T_REFCONVERTINGELECTEQUIP	23 SP_RESISTIVELOSSES	VARCHAR2(40)

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T_REFCONVERTINGELECTEQUIP	24 SP_SP_RESISTIVELOSSESSI	FLOAT
T_REFCONVERTINGELECTEQUIP	25 SP_REACTIVELOSSES	VARCHAR2(40)
T_REFCONVERTINGELECTEQUIP	26 SP_SP_REACTIVELOSSESSI	FLOAT
T_REFCONVERTINGEQUIPCOMPT	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFCONVERTINGEQUIPCOMPT	2 CONVERTCOMPONENTTYPE	NUMBER(10)
T_REFCONVERTINGEQUIPCOMPT	3 PRIMARYCONNECTION	NUMBER(10)
T_REFCONVERTINGEQUIPCOMPT	4 OUTPUTRATEDVOLTAGE	NUMBER(10)
T_REFCONVERTINGEQUIPCOMPT	5 OUTPUTNOMINALCURRENT	VARCHAR2(40)
T_REFCONVERTINGEQUIPCOMPT	6 SP_OUTPUTNOMINALCURRENTSI	FLOAT
T_REFCONVERTINGEQUIPCOMPT	7 OUTPUTRATEDPOWER	VARCHAR2(40)
T_REFCONVERTINGEQUIPCOMPT	8 SP_OUTPUTRATEDPOWERSI	FLOAT
T_REFCONVERTINGEQUIPCOMPT	9 SP_REFCONVERTINGELECTEQUIPID	VARCHAR2(32)
T_REFCONVERTINGEQUIPCOMPT	10 NEUTRALGROUNDING	NUMBER(10)
T_REFCONVERTINGEQUIPCOMPT	11 TAPPINGREQUIREDFLAG	NUMBER(10)
T_REFCONVERTINGEQUIPCOMPT	12 TAPPING	NUMBER(10)
T_REFCONVERTINGEQUIPCOMPT	13 TAPPINGPERCENTPERSTEP	FLOAT
T_REFCONVERTINGEQUIPCOMPT	14 NUMBEROFSTEPS	NUMBER(10)
T_REFCONVERTINGEQUIPCOMPT	15 TOTALTAPPINGPERCENTRANGE	FLOAT
T_REFCONVERTINGEQUIPCOMPT	16 TRANSFORMERCONNECTIONGROUP	NUMBER(10)
T_REFCONVERTINGEQUIPCOMPT	17 PHASESHIFT	FLOAT
T_REFCONVERTINGEQUIPCOMPT	18 WINDINGVOLTAGESOURCE	NUMBER(10)
T_REFCONVERTINGEQUIPCOMPT	19 COMBINEDPHASESHIFT	FLOAT
T_REFCURRENTLIMITINGREACTOR	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFCURRENTLIMITINGREACTOR	2 REACTANCE	VARCHAR2(40)
T_REFCURRENTLIMITINGREACTOR	3 SP_REACTANCESI	FLOAT
T_REFCURRENTLIMITINGREACTOR	4 RESISTANCE	VARCHAR2(40)
T_REFCURRENTLIMITINGREACTOR	5 SP_RESISTANCESI	FLOAT
T_REFCURRENTLIMITINGREACTOR	6 POWERFACTORFULLLOAD	FLOAT
T_REFCURRENTLIMITINGREACTOR	7 SP_REACTORPOWER	VARCHAR2(40)
T_REFCURRENTLIMITINGREACTOR	8 SP_SP_REACTORPOWERSI	FLOAT
T_REFCURRENTLIMITINGREACTOR	9 SP_INSULATINGLEVEL	VARCHAR2(40)
T_REFCURRENTLIMITINGREACTOR	10 SP_SP_INSULATINGLEVELSI	FLOAT
T_REFCURRENTLIMITINGREACTOR	11 SP_ISCPEAK	VARCHAR2(40)
T_REFCURRENTLIMITINGREACTOR	12 SP_SP_ISCPEAKSI	FLOAT
T_REFCURRENTLIMITINGREACTOR	13 SP_ISCRMS	VARCHAR2(40)
T_REFCURRENTLIMITINGREACTOR	14 SP_SP_ISCRMSSI	FLOAT
T_REFCURRENTLIMITINGREACTOR	15 SP_BASICIMPULSELEVEL	NUMBER(10)
T_REFCURRENTLIMITINGREACTOR	16 SP_CLRREACTANCE	VARCHAR2(40)
T_REFCURRENTLIMITINGREACTOR	17 SP_SP_CLRREACTANCESI	FLOAT
T_REFCURRENTTRANSFORMER	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFCURRENTTRANSFORMER	2 SECONDARYCURRENTRATING	VARCHAR2(40)
T_REFCURRENTTRANSFORMER	3 SP_SECONDARYCURRENTRATINGSI	FLOAT
T_REFCURRENTTRANSFORMER	4 PRIMARYTOSECONDARYRATIO	VARCHAR2(40)
T_REFDISCONNECTELECTEQUIP	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFDISCONNECTELECTEQUIP	2 NUMBEROFOPERATIONS	NUMBER(10)
T_REFDISCONNECTELECTEQUIP	3 CONTROLVOLTAGE	NUMBER(10)
T_REFDISCONNECTELECTEQUIP	4 MOUNTON	NUMBER(10)
T_REFDISCONNECTELECTEQUIP	5 AUXILIARYCONTACTS	NUMBER(10)
T_REFDISCONNECTELECTEQUIP	6 DISCONNECTTIME	VARCHAR2(40)
T_REFDISCONNECTELECTEQUIP	7 SP_DISCONNECTTIMESI	FLOAT
T_REFDISCONNECTELECTEQUIP	8 RATEDPOWER	VARCHAR2(40)
T_REFDISCONNECTELECTEQUIP	9 SP_RATEDPOWERSI	FLOAT
T_REFDISCONNECTSWITCH	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFDISCONNECTSWITCH	2 MAKINGCAPACITY	NUMBER(10)
T_REFELECTRICALCONDUCTOR	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFELECTRICALCONDUCTOR	2 REACTANCE	VARCHAR2(40)
T_REFELECTRICALCONDUCTOR	3 SP_REACTANCESI	FLOAT
T_REFELECTRICALCONDUCTOR	4 CUSTOMDERATINGFACTOR	FLOAT
T_REFELECTRICALCONDUCTOR	5 INSULATIONTYPE	NUMBER(10)
T_REFELECTRICALCONDUCTOR	6 INSULATIONTHICKNESS	VARCHAR2(40)
T_REFELECTRICALCONDUCTOR	7 SP_INSULATIONTHICKNESSSI	FLOAT
T_REFELECTRICALCONDUCTOR	8 INSULATIONTEMPRATING	NUMBER(10)
T_REFELECTRICALCONDUCTOR	9 FROMDESCRIPTION	VARCHAR2(80)

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T_REFELECTRICALCONDUCTOR	10	TODESCRIPTION	VARCHAR2(80)
T_REFELECTRICALCONDUCTOR	11	INSULATIONVOLTAGERATING	NUMBER(10)
T_REFELECTRICALCONDUCTOR	12	INSULATIONMATERIAL	NUMBER(10)
T_REFELECTRICALCONDUCTOR	13	OUTSIDEDIAMETER	VARCHAR2(40)
T_REFELECTRICALCONDUCTOR	14	SP_OUTSIDEDIAMETERSI	FLOAT
T_REFELECTRICALCONDUCTOR	15	INSULATIONTRADENAME	NUMBER(10)
T_REFELECTRICALCONDUCTOR	16	INSULATIONCOLOR	NUMBER(10)
T_REFELECTRICALCONDUCTOR	17	RESISTIVITY	VARCHAR2(40)
T_REFELECTRICALCONDUCTOR	18	SP_RESISTIVITYSI	FLOAT
T_REFELECTRICALCONDUCTOR	19	CONDUCTORMATERIAL	NUMBER(10)
T_REFELECTRICALCONDUCTOR	20	CONDUCTORSIZE	NUMBER(10)
T_REFELECTRICALCONDUCTOR	21	CUSTOMUTILIZATIONFACTOR	FLOAT
T_REFELECTRICALCONDUCTOR	22	CONFORMITYTOSTANDARD	NUMBER(10)
T_REFELECTRICALCONDUCTOR	23	INNERSHEATHDIAMETER	VARCHAR2(40)
T_REFELECTRICALCONDUCTOR	24	SP_INNERSHEATHDIAMETERSI	FLOAT
T_REFELECTRICALCONDUCTOR	1	SP_ID	NOT NULL VARCHAR2(32)
T_REFELECTRICALCONDUCTOR	2	RATEDVOLTAGE	NUMBER(10)
T_REFELECTRICALCONDUCTOR	3	NUMBEROFWIRES	NUMBER(10)
T_REFELECTRICALCONDUCTOR	4	SERIALNUMBER	VARCHAR2(80)
T_REFELECTRICALCONDUCTOR	5	CONTRACTORNUMBER	NUMBER(10)
T_REFELECTRICALCONDUCTOR	6	CONTRACTORNAME	NUMBER(10)
T_REFELECTRICALCONDUCTOR	7	FREQUENCY	NUMBER(10)
T_REFELECTRICALCONDUCTOR	8	MOUNTING	NUMBER(10)
T_REFELECTRICALCONDUCTOR	9	CRITICALITY	NUMBER(10)
T_REFELECTRICALCONDUCTOR	10	SECONDARYTAG	VARCHAR2(80)
T_REFELECTRICALCONDUCTOR	11	AREAClassification	NUMBER(10)
T_REFELECTRICALCONDUCTOR	12	SEASONALCONDITIONS	NUMBER(10)
T_REFELECTRICALCONDUCTOR	13	SPECIALOPERATINGCONDITIONS	NUMBER(10)
T_REFELECTRICALCONDUCTOR	14	SEASONALFACTOR	FLOAT
T_REFELECTRICALCONDUCTOR	15	DESIGNTYPE	NUMBER(10)
T_REFELECTRICALCONDUCTOR	16	INDOOROUTDOORFLAG	NUMBER(10)
T_REFELECTRICALCONDUCTOR	17	OPERATINGMODE	NUMBER(10)
T_REFELECTRICALCONDUCTOR	18	BUILDINGNAME	NUMBER(10)
T_REFELECTRICALCONDUCTOR	19	ISLOAD	NUMBER(10)
T_REFELECTRICALCONDUCTOR	20	FRAMESIZE	NUMBER(10)
T_REFELECTRICALCONDUCTOR	21	PROCESSEQUIPMENTNAME	VARCHAR2(80)
T_REFELECTRICALCONDUCTOR	22	PHASEARRANGEMENT	NUMBER(10)
T_REFELECTRICALCONDUCTOR	23	VOLTAGETOLERANCE	FLOAT
T_REFELECTRICALCONDUCTOR	24	FLACALCULATIONFLAG	NUMBER(10)
T_REFELECTRICALCONDUCTOR	25	FRAMEMATERIAL	NUMBER(10)
T_REFELECTRICALCONDUCTOR	1	SP_ID	NOT NULL VARCHAR2(32)
T_REFELECTRICALCONDUCTOR	2	STATUSTYPE	NUMBER(10)
T_REFELECTRICALCONDUCTOR	3	NOOFPHASES	NUMBER(10)
T_REFELECTRICALCONDUCTOR	4	GASGROUP	NUMBER(10)
T_REFELECTRICALCONDUCTOR	5	ISSLD	NUMBER(10)
T_REFELECTRICALCONDUCTOR	6	MODEL	NUMBER(10)
T_REFELECTRICALCONDUCTOR	7	SP_REFCIRCUITID	VARCHAR2(32)
T_REFELECTRICALCONDUCTOR	8	SEQUENCEINGROUP	NUMBER(10)
T_REFELECTRICALCONDUCTOR	9	SP_REFLOOKUPTABLEID	VARCHAR2(32)
T_REFELECTRICALCONDUCTOR	10	STORESPARTNUMBER	VARCHAR2(80)
T_REFELECTRICALCONDUCTOR	11	MANUFACTURER	NUMBER(10)
T_REFELECTRICALCONDUCTOR	12	SP_REFPOWERDISTRIBUTIONBOARDID	VARCHAR2(32)
T_REFELECTRICALCONDUCTOR	13	SP_REFBUSID	VARCHAR2(32)
T_REFELECTRICALCONDUCTOR	14	NOTE	VARCHAR2(4000)
T_REFELECTRICALCONDUCTOR	15	ITEMTYPEIDENTIFIER	VARCHAR2(80)
T_REFELECTRICALCONDUCTOR	16	ELECTRICALEQUIPMENTTYPE	NUMBER(10)
T_REFELECTRICALCONDUCTOR	17	INGRESSIONPROTECTION	NUMBER(10)
T_REFELECTRICALCONDUCTOR	18	TEMPERATURECLASS	NUMBER(10)
T_REFELECTRICALCONDUCTOR	19	EXPLOSIONPROTECTION	NUMBER(10)
T_REFELECTRICALCONDUCTOR	20	ISELECTRICALTREE	NUMBER(10)
T_REFELECTRICALCONDUCTOR	21	ELECTRICALEQUIPMENTCLASS	NUMBER(10)
T_REFELECTRICALCONDUCTOR	22	ELECTRICALEQUIPMENTSUBCLASS	NUMBER(10)
T_REFELECTRICALCONDUCTOR	23	SUPPLYACDCFLAG	NUMBER(10)

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T_REFEQUIPMENT	24 COMPLYTONAMINGCONVENTION	NUMBER(10)
T_REFEQUIPMENT	25 FULLLOADCURRENT	VARCHAR2(40)
T_REFEQUIPMENT	26 SP_FULLLOADCURRENTSI	FLOAT
T_REFEQUIPMENT	27 ERPCOSTCENTER	NUMBER(10)
T_REFEQUIPMENT	28 ERPCRITICALITYCLASS	NUMBER(10)
T_REFEQUIPMENT	29 ERPEQUIPMENTCLASS	NUMBER(10)
T_REFEQUIPMENT	30 ERPEQUIPMENTTYPE	NUMBER(10)
T_REFEQUIPMENT	31 ERPFUNCTIONALLOCATION	VARCHAR2(80)
T_REFEQUIPMENT	32 ERPPLANNER	NUMBER(10)
T_REFEQUIPMENT	33 ERPWORKCENTER	NUMBER(10)
T_REFEQUIPMENT	34 ISCIRCUITINTERNAL	NUMBER(10)
T_REFFUSE	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFFUSE	2 BURNEDINDICATION	NUMBER(10)
T_REFFUSE	3 FUSESIZE	NUMBER(10)
T_REFGENERATOR	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFGENERATOR	2 ASYNCHRONOUSSPEED	VARCHAR2(40)
T_REFGENERATOR	3 SP_ASYNCHRONOUSSPEEDSI	FLOAT
T_REFGENERATOR	4 NUMBEROFPOLES	NUMBER(10)
T_REFGENERATOR	5 STATORRESISTANCE	VARCHAR2(40)
T_REFGENERATOR	6 SP_STATORRESISTANCESI	FLOAT
T_REFGENERATOR	7 GENERATORRATEDPOWER	VARCHAR2(40)
T_REFGENERATOR	8 SP_GENERATORRATEDPOWERSI	FLOAT
T_REFGENERATOR	9 EFFICIENCYFULLLOAD	FLOAT
T_REFGENERATOR	10 POWERFACTORFULLLOAD	FLOAT
T_REFGENERATOR	11 SP_GENERATINGLOADSI	FLOAT
T_REFGENERATOR	12 RUNUPTIME	VARCHAR2(40)
T_REFGENERATOR	13 SP_RUNUPTIMESI	FLOAT
T_REFGENERATOR	14 SYNCHRONOUSSPEED	VARCHAR2(40)
T_REFGENERATOR	15 SP_SYNCHRONOUSSPEEDSI	FLOAT
T_REFGENERATOR	16 RATEDACTIVELOAD	VARCHAR2(40)
T_REFGENERATOR	17 SP_RATEDACTIVELOADSI	FLOAT
T_REFGENERATOR	18 GENERATINGLOAD	VARCHAR2(40)
T_REFGENERATOR	19 EXCITERTYPE	NUMBER(10)
T_REFGENERATOR	20 GOVERNORTYPE	NUMBER(10)
T_REFGENERATOR	21 CONTROLMODE	NUMBER(10)
T_REFGENERATOR	22 NORMALPOWERDEMAND	VARCHAR2(40)
T_REFGLAND	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFGLAND	2 GLANDDESIGNSTANDARD	NUMBER(10)
T_REFGLAND	3 GLANDMATERIAL	NUMBER(10)
T_REFGLAND	4 SEALMATERIAL	NUMBER(10)
T_REFGLAND	5 ARMORCLAMP	NUMBER(10)
T_REFGLAND	6 GLANDSIZE	NUMBER(10)
T_REFGLAND	7 THREADTYPE	NUMBER(10)
T_REFGLAND	8 THREADSIZE	NUMBER(10)
T_REFGLAND	9 INNERSHEATHMINDIAMETER	VARCHAR2(40)
T_REFGLAND	10 SP_INNERSHEATHMINDIAMETERSI	FLOAT
T_REFGLAND	11 INNERSHEATHMAXDIAMETER	VARCHAR2(40)
T_REFGLAND	12 SP_INNERSHEATHMAXDIAMETERSI	FLOAT
T_REFGLAND	13 OUTERSHEATHMINDIAMETER	VARCHAR2(40)
T_REFGLAND	14 SP_OUTERSHEATHMINDIAMETERSI	FLOAT
T_REFGLAND	15 OUTERSHEATHMAXDIAMETER	VARCHAR2(40)
T_REFGLAND	16 SP_OUTERSHEATHMAXDIAMETERSI	FLOAT
T_REFGLAND	17 PLATING	NUMBER(10)
T_REFGLAND	18 LOCKNUTMATERIAL	NUMBER(10)
T_REFGLAND	19 EARTH TAGMATERIAL	NUMBER(10)
T_REFGLAND	20 SERRATEDLOCKWASHERMATERIAL	NUMBER(10)
T_REFGLAND	21 IPWASHERMATERIAL	NUMBER(10)
T_REFGLAND	22 SHROUDMATERIAL	NUMBER(10)
T_REFGLAND	23 GLANDCERTIFICATION	NUMBER(10)
T_REFGLAND	24 GLANDTYPE	NUMBER(10)
T_REFHARMONICFILTER	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFHARMONICFILTER	2 HARMONICFILTERRATEDPOWER	VARCHAR2(40)
T_REFHARMONICFILTER	3 SP_HARMONICFILTERRATEDPOWERSI	FLOAT

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T_REFHARMONICFILTER	4 HARMONICFACTOROFCURRENT	FLOAT
T_REFHARMONICFILTER	5 WINDINGSMATERIAL	NUMBER(10)
T_REFHEATER	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFHEATER	2 HEATERRATEDPOWER	VARCHAR2(40)
T_REFHEATER	3 SP_HEATERRATEDPOWERSI	FLOAT
T_REFHEATER	4 SPACEHEATERFLAG	NUMBER(10)
T_REFHEATER	5 NOOFELEMENTS	NUMBER(10)
T_REFHEATER	6 ELEMENTPOWERRATING	VARCHAR2(40)
T_REFHEATER	7 SP_ELEMENTPOWERRATINGSI	FLOAT
T_REFHEATTRACE	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFHEATTRACE	2 ACTUALLENGTH	VARCHAR2(40)
T_REFHEATTRACE	3 SP_ACTUALLENGTHSI	FLOAT
T_REFHEATTRACE	4 DESTINATIONLOCATION	VARCHAR2(80)
T_REFHEATTRACE	5 SPLICEDFLAG	NUMBER(10)
T_REFHEATTRACE	6 ESTIMATEDLOAD	VARCHAR2(40)
T_REFHEATTRACE	7 SP_ESTIMATEDLOADSI	FLOAT
T_REFHEATTRACE	8 INSTALLEDLOAD	VARCHAR2(40)
T_REFHEATTRACE	9 SP_INSTALLEDLOADSI	FLOAT
T_REFHEATTRACE	10 ESTIMATOPERATINGCURRENT	VARCHAR2(40)
T_REFHEATTRACE	11 SP_ESTIMATOPERATINGCURRENTSI	FLOAT
T_REFHEATTRACE	12 HEATTRACERATEDPOWER	VARCHAR2(40)
T_REFHEATTRACE	13 SP_HEATTRACERATEDPOWERSI	FLOAT
T_REFHEATTRACE	14 ESTIMATEDCABLELENGTH	VARCHAR2(40)
T_REFHEATTRACE	15 SP_ESTIMATEDCABLELENGTHSI	FLOAT
T_REFINSTRUMENT	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFINSTRUMENT	2 RATEDVOLTAGE	NUMBER(10)
T_REFINSTRUMENT	3 FREQUENCY	NUMBER(10)
T_REFINSTRUMENT	4 CRITICALITY	NUMBER(10)
T_REFINSTRUMENT	5 OPERATINGMODE	NUMBER(10)
T_REFINSTRUMENT	6 ISLOAD	NUMBER(10)
T_REFINSTRUMENT	7 STARTINGCURRENT	VARCHAR2(40)
T_REFINSTRUMENT	8 SP_STARTINGCURRENTSI	FLOAT
T_REFINSTRUMENT	9 PROCESSOPERATIONALREQUIREMENT	NUMBER(10)
T_REFINSTRUMENT	10 POWERFACTORFULLLOAD	FLOAT
T_REFINSTRUMENT	11 ZZCOINCIDENCEFACTOR	FLOAT
T_REFINSTRUMENT	12 ZCOINCIDENCEFACTOR	FLOAT
T_REFINSTRUMENT	13 YCOINCIDENCEFACTOR	FLOAT
T_REFINSTRUMENT	14 XCOINCIDENCEFACTOR	FLOAT
T_REFINSTRUMENT	15 CONSUMEDACTIVELOAD	VARCHAR2(40)
T_REFINSTRUMENT	16 SP_CONSUMEDACTIVELOADSI	FLOAT
T_REFINSTRUMENT	17 RATEDACTIVELOAD	VARCHAR2(40)
T_REFINSTRUMENT	18 SP_RATEDACTIVELOADSI	FLOAT
T_REFINSTRUMENT	19 CONSUMEDREACTIVELOAD	VARCHAR2(40)
T_REFINSTRUMENT	20 SP_CONSUMEDREACTIVELOADSI	FLOAT
T_REFINSTRUMENT	21 RATEDAPPARENTLOAD	VARCHAR2(40)
T_REFINSTRUMENT	22 SP_RATEDAPPARENTLOADSI	FLOAT
T_REFINSTRUMENT	23 RATEDREACTIVELOAD	VARCHAR2(40)
T_REFINSTRUMENT	24 SP_RATEDREACTIVELOADSI	FLOAT
T_REFINSTRUMENT	25 FLACALCULATIONFLAG	NUMBER(10)
T_REFINSTRUMENT	26 REFERENCELOOPNUMBER	VARCHAR2(80)
T_REFINSTRUMENT	27 SYSTEMIOTYPE	NUMBER(10)
T_REFINSTRUMENT	28 PHASE1USAGE	NUMBER(10)
T_REFINSTRUMENT	29 PHASE2USAGE	NUMBER(10)
T_REFINSTRUMENT	30 PHASE3USAGE	NUMBER(10)
T_REFINSTRUMENT	31 INSTRUMENTPROCESSFUNCTION	NUMBER(10)
T_REFINSTRUMENT	32 INSTRUMENTFUNCTIONTYPE	NUMBER(10)
T_REFINSTRUMENT	33 LOWERRANGELIMIT	FLOAT
T_REFINSTRUMENT	34 SP_LOWERRANGELIMITUOM	NUMBER(10)
T_REFINSTRUMENT	35 UPPERRANGELIMIT	FLOAT
T_REFINSTRUMENT	36 SP_UPPERRANGELIMITUOM	NUMBER(10)
T_REFINSTRUMENT	37 OUTPUTTYPE	NUMBER(10)
T_REFINSTRUMENT	38 SWITCHACTION	NUMBER(10)
T_REFINSTRUMENT	39 SOLENOIDACTION	NUMBER(10)

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T_REFINSTRUMENT	40 SOLENOIDVOLTAGE	NUMBER(10)
T_REFINSTRUMENT	41 SOLENOIDSUPPLY	NUMBER(10)
T_REFINSTRUMENT	42 CALIBRATIONSETPOINT1	FLOAT
T_REFINSTRUMENT	43 CALIBRATIONSETPOINT2	FLOAT
T_REFINSTRUMENT	44 CALIBRATIONSETPOINT3	FLOAT
T_REFINSTRUMENT	45 CALIBRATIONSETPOINT4	FLOAT
T_REFINSTRUMENT	46 SP_CALIBRATIONSETPOINT1_UOM	NUMBER(10)
T_REFINSTRUMENT	47 SP_CALIBRATIONSETPOINT2_UOM	NUMBER(10)
T_REFINSTRUMENT	48 SP_CALIBRATIONSETPOINT3_UOM	NUMBER(10)
T_REFINSTRUMENT	49 SP_CALIBRATIONSETPOINT4_UOM	NUMBER(10)
T_REFINSTRUMENT	50 DISPLYSCALEMIN	FLOAT
T_REFINSTRUMENT	51 DISPLYSCALEMAX	FLOAT
T_REFINSTRUMENT	52 SP_DISPLYSCALEUOM	NUMBER(10)
T_REFINSTRUMENT	53 OUTPUTSIGNALMIN	FLOAT
T_REFINSTRUMENT	54 OUTPUTSIGNALMAX	FLOAT
T_REFINSTRUMENT	55 SP_OUTPUTSIGNALUOM	NUMBER(10)
T_REFINSTRUMENT	56 INSTRUMENTRATEDPOWER	VARCHAR2(40)
T_REFINSTRUMENT	57 SP_INSTRUMENTRATEDPOWERSI	FLOAT
T_REFITEMTYPESTORAGE	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFITEMTYPESTORAGE	2 ITEMYPEDEFAULTSYMBOL	VARCHAR2(80)
T_REFITEMTYPESTORAGE	3 ITEMYPEDEFAULTBLOCK	VARCHAR2(80)
T_REFITEMTYPESTORAGE	4 ITEMYPEPARENT	VARCHAR2(80)
T_REFITEMTYPESTORAGE	5 ISREFFLAG	NUMBER(10)
T_REFITEMTYPESTORAGE	6 ITEMYPEENTITYLEVEL	VARCHAR2(80)
T_REFITEMTYPESTORAGE	7 ALIAS	VARCHAR2(80)
T_REFITEMTYPESTORAGE	8 UNIQUEFLAG	NUMBER(10)
T_REFITEMTYPESTORAGE	9 SEQUENCENUMBER	NUMBER(10)
T_REFITEMTYPESTORAGE	10 ITEMYPEUNIQUENESSLEVEL	VARCHAR2(80)
T_REFITEMTYPESTORAGE	11 USERACCESSCOMPONENT	NUMBER(10)
T_REFITEMTYPESTORAGE	12 ISNAMINGCONVNITION	NUMBER(10)
T_REFITEMTYPESTORAGE	13 ISVISIBLE	NUMBER(10)
T_REFJUNCTIONBOX	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFLOAD	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFLOAD	2 POWERFACTORATSTARTING	FLOAT
T_REFLOAD	3 DEMANDFACTOR	FLOAT
T_REFLOAD	4 STARTINGCURRENT	VARCHAR2(40)
T_REFLOAD	5 SP_STARTINGCURRENTSI	FLOAT
T_REFLOAD	6 EFFICIENCYOPERATING	FLOAT
T_REFLOAD	7 POWERFACTOROPERATING	FLOAT
T_REFLOAD	8 PROCESSOPERATIONALREQUIREMENT	NUMBER(10)
T_REFLOAD	9 REMOTECONTROLSTATIONREQ	NUMBER(10)
T_REFLOAD	10 SIGNALOUTOFSERVICEREQ	NUMBER(10)
T_REFLOAD	11 SIGNALFAULTREQ	NUMBER(10)
T_REFLOAD	12 SIGNALSTANDBYREQ	NUMBER(10)
T_REFLOAD	13 SIGNALREMOTEREQ	NUMBER(10)
T_REFLOAD	14 SIGNALSTATUSCONTROLREQ	NUMBER(10)
T_REFLOAD	15 EMERGENCYSTOPCONTROLFLAG	NUMBER(10)
T_REFLOAD	16 LOCALCONTROLSTATIONREQ	NUMBER(10)
T_REFLOAD	17 EFFICIENCYHALFLOAD	FLOAT
T_REFLOAD	18 EFFICIENCY75LOAD	FLOAT
T_REFLOAD	19 EFFICIENCYFULLLOAD	FLOAT
T_REFLOAD	20 POWERFACTORFULLLOAD	FLOAT
T_REFLOAD	21 ZZCOINCIDENCEFACTOR	FLOAT
T_REFLOAD	22 ZCOINCIDENCEFACTOR	FLOAT
T_REFLOAD	23 YCOINCIDENCEFACTOR	FLOAT
T_REFLOAD	24 XCOINCIDENCEFACTOR	FLOAT
T_REFLOAD	25 STOPCONTROLFLAG	NUMBER(10)
T_REFLOAD	26 STARTCONTROLFLAG	NUMBER(10)
T_REFLOAD	27 CONSUMEDACTIVELOAD	VARCHAR2(40)
T_REFLOAD	28 SP_CONSUMEDACTIVELOADSI	FLOAT
T_REFLOAD	29 AVERAGEACTIVELOAD	VARCHAR2(40)
T_REFLOAD	30 SP_AVERAGEACTIVELOADSI	FLOAT
T_REFLOAD	31 RATEDACTIVELOAD	VARCHAR2(40)

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T_REFLOAD	32	SP_RATEDACTIVELOADSI	FLOAT
T_REFLOAD	33	CONSUMEDREACTIVELOAD	VARCHAR2(40)
T_REFLOAD	34	SP_CONSUMEDREACTIVELOADSI	FLOAT
T_REFLOAD	35	CONSUMEDAPPARENTLOAD	VARCHAR2(40)
T_REFLOAD	36	SP_CONSUMEDAPPARENTLOADSI	FLOAT
T_REFLOAD	37	RATEDAPPARENTLOAD	VARCHAR2(40)
T_REFLOAD	38	SP_RATEDAPPARENTLOADSI	FLOAT
T_REFLOAD	39	RATEDREACTIVELOAD	VARCHAR2(40)
T_REFLOAD	40	SP_RATEDREACTIVELOADSI	FLOAT
T_REFLOAD	41	MODEALF	FLOAT
T_REFLOAD	42	MODEADF	FLOAT
T_REFLOAD	43	MODEBLF	FLOAT
T_REFLOAD	44	MODEBDF	FLOAT
T_REFLOAD	45	MODECLF	FLOAT
T_REFLOAD	46	MODECDF	FLOAT
T_REFLOAD	47	MODEDLF	FLOAT
T_REFLOAD	48	MODEDDF	FLOAT
T_REFLOAD	49	MODEELF	FLOAT
T_REFLOAD	50	MODEEDF	FLOAT
T_REFLOAD	51	MODEFLF	FLOAT
T_REFLOAD	52	MODEfdf	FLOAT
T_REFLOAD	53	MODEGLF	FLOAT
T_REFLOAD	54	MODEGDF	FLOAT
T_REFLOAD	55	MODEHLF	FLOAT
T_REFLOAD	56	MODEHDF	FLOAT
T_REFLOAD	57	MODEILF	FLOAT
T_REFLOAD	58	MODEIDF	FLOAT
T_REFLOAD	59	MODEJLF	FLOAT
T_REFLOAD	60	MODEJDF	FLOAT
T_REFLOAD	61	DRILLDOWNENABLEFLAG	NUMBER(10)
T_REFLOCALPANEL	1	SP_ID	NOT NULL VARCHAR2(32)
T_REFLOOKUPTABLE	1	SP_ID	NOT NULL VARCHAR2(32)
T_REFLOOKUPTABLE	2	FILTERID	NUMBER(10)
T_REFLOOKUPTABLE	3	DEFAULTFLAG	NUMBER(10)
T_REFLOOKUPTABLE	4	SP_REFLOOKUPTABLEID	VARCHAR2(32)
T_REFLOOKUPTABLE	5	VIEWNAME	VARCHAR2(80)
T_REFLOOKUPTABLE	6	SYSTEMPROTECTFLAG	NUMBER(10)
T_REFLOOKUPTABLE	7	LOOKUPTYPE	VARCHAR2(40)
T_REFLOOKUPTABLEATTRIBUTES	1	SP_ID	NOT NULL VARCHAR2(32)
T_REFLOOKUPTABLEATTRIBUTES	2	ATTRIBUTENAME	VARCHAR2(80)
T_REFLOOKUPTABLEATTRIBUTES	3	OVERWRITEFLAG	NUMBER(10)
T_REFLOOKUPTABLEATTRIBUTES	4	ATTRIBUTESEQUENCE	NUMBER(10)
T_REFLOOKUPTABLEATTRIBUTES	5	SP_REFLOOKUPTABLEID	VARCHAR2(32)
T_REFLOOKUPTABLEATTRIBUTES	6	INOUTFLAG	NUMBER(10)
T_REFLOOKUPTABLEATTRIBUTES	7	LUTNONEATTRIBUTEFLAG	NUMBER(10)
T_REFLOOKUPTABLEATTRIBUTES	8	NONEATTRIBUTEDATATYPE	NUMBER(10)
T_REFLOOKUPTABLEATTRIBUTES	9	ATTRIBUTESTATUS	NUMBER(10)
T_REFLOOKUPTABLEVALUE	1	SP_ID	NOT NULL VARCHAR2(32)
T_REFLOOKUPTABLEVALUE	2	LOOKUPVALUE	VARCHAR2(80)
T_REFLOOKUPTABLEVALUE	3	SP_REFLOOKUPTABLEATTRIBUTESID	VARCHAR2(32)
T_REFLOOKUPTABLEVALUE	4	RECORDNUMBER	NUMBER(10)
T_REFLOOKUPTABLEVALUE	5	SYSTEMPROTECTFLAG	NUMBER(10)
T_REFMETERINGEQUIPMENT	1	SP_ID	NOT NULL VARCHAR2(32)
T_REFMISCELLANEOUSELEMENT	1	SP_ID	NOT NULL VARCHAR2(32)
T_REFMODELITEM	1	SP_ID	NOT NULL VARCHAR2(32)
T_REFMODELITEM	2	DESCRIPTION	VARCHAR2(4000)
T_REFMODELITEM	3	ISUNCHECKED	NUMBER(10)
T_REFMODELITEM	4	MODELITEMTYPE	NUMBER(10)
T_REFMODELITEM	5	UPDATECOUNT	NUMBER(10)
T_REFMODELITEM	6	ITEMSTATUS	NUMBER(10)
T_REFMODELITEM	7	ITEMTYPE	VARCHAR2(40)
T_REFMOTOR	1	SP_ID	NOT NULL VARCHAR2(32)
T_REFMOTOR	2	ASYNCHRONOUSSPEED	VARCHAR2(40)

SPEL Reference Schema

T_REFMOTOR	3 SP_ASYNCHRONOUSSPEEDSI	FLOAT
T_REFMOTOR	4 NUMBEROFPOLES	NUMBER(10)
T_REFMOTOR	5 MOTORDESIGNLETTER	NUMBER(10)
T_REFMOTOR	6 TESTALLTIME	VARCHAR2(40)
T_REFMOTOR	7 SP_TESTALLTIMESI	FLOAT
T_REFMOTOR	8 MOTOREFFICIENCYCLASS	NUMBER(10)
T_REFMOTOR	9 LRCTOFLARATIO	FLOAT
T_REFMOTOR	10 MOTORCONTROLLERATYPE	NUMBER(10)
T_REFMOTOR	11 VFDREQUIREDFLAG	NUMBER(10)
T_REFMOTOR	12 VIBRATIONMONITORINGFLAG	NUMBER(10)
T_REFMOTOR	13 SPEEDCONTROLRANGE	VARCHAR2(80)
T_REFMOTOR	14 SPEEDCONTROLFLAG	NUMBER(10)
T_REFMOTOR	15 SIGNALSPEEDREQ	NUMBER(10)
T_REFMOTOR	16 SIGNALFWDREVREQ	NUMBER(10)
T_REFMOTOR	17 LRCCODELETTERFLAG	NUMBER(10)
T_REFMOTOR	18 LRCCODELETTER	NUMBER(10)
T_REFMOTOR	19 FWDREVCONTROLFLAG	NUMBER(10)
T_REFMOTOR	20 JBCABLEENTRYSIZE	VARCHAR2(40)
T_REFMOTOR	21 SP_JBCABLEENTRYSIZESI	FLOAT
T_REFMOTOR	22 RESTARTGROUP	NUMBER(10)
T_REFMOTOR	23 RESTARTFLAG	NUMBER(10)
T_REFMOTOR	24 TCSTALLTIME	VARCHAR2(40)
T_REFMOTOR	25 SP_TCSTALLTIMESI	FLOAT
T_REFMOTOR	26 WINDINGTEMPCUTOFFFLAG	NUMBER(10)
T_REFMOTOR	27 MOTORRATEDPOWER	NUMBER(10)
T_REFMOTOR	28 BRAKEPOWER	VARCHAR2(40)
T_REFMOTOR	29 SP_BRAKEPOWERSI	FLOAT
T_REFMOTOR	30 MINIMUMREQUIREDPOWER	VARCHAR2(40)
T_REFMOTOR	31 SP_MINIMUMREQUIREDPOWERSI	FLOAT
T_REFMOTOR	32 SP_REFHEATERID	VARCHAR2(32)
T_REFMOTOR	33 CONFORMITYTOSTANDARD	NUMBER(10)
T_REFMOTOR	34 RUNUPTIME	VARCHAR2(40)
T_REFMOTOR	35 SP_RUNUPTIMESI	FLOAT
T_REFMOTOR	36 SYNCHRONOUSSPEED	VARCHAR2(40)
T_REFMOTOR	37 SP_SYNCHRONOUSSPEEDSI	FLOAT
T_REFMOTOR	38 POWERFACTOR75LOAD	FLOAT
T_REFMOTOR	39 PARTICULARREACTIVELOAD	VARCHAR2(40)
T_REFMOTOR	40 SP_PARTICULARREACTIVELOADSI	FLOAT
T_REFMOTOR	41 PARTICULARPOWER	VARCHAR2(40)
T_REFMOTOR	42 SP_PARTICULARPOWERSI	FLOAT
T_REFMOTOR	43 PARTICULARAPPARENTLOAD	VARCHAR2(40)
T_REFMOTOR	44 SP_PARTICULARAPPARENTLOADSI	FLOAT
T_REFMOTOR	45 PARTICULARACTIVELOAD	VARCHAR2(40)
T_REFMOTOR	46 SP_PARTICULARACTIVELOADSI	FLOAT
T_REFMOTOR	47 POWERFACTORHALFLOAD	FLOAT
T_REFMOTOR	48 OPERATINGFACTOR	FLOAT
T_REFMOTOR	49 REQUIREDSTARTERTYPE	NUMBER(10)
T_REFMOTOR	50 MOTORINSULATIONCLASS	NUMBER(10)
T_REFMOTOR	51 TEMPERATURERISE	NUMBER(10)
T_REFMOTOR	52 KVATOHPRATIO	FLOAT
T_REFMOTOR	53 KVAPERHPFACTOR	FLOAT
T_REFMULTIMETER	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFMULTIMETER	2 OPERATINGVOLTAGE	NUMBER(10)
T_REFMULTIMETER	3 MINIMUMMETERVOLTAGERANGE	VARCHAR2(40)
T_REFMULTIMETER	4 SP_MINIMUMMETERVOLTAGERANGESI	FLOAT
T_REFMULTIMETER	5 MAXIMUMMETERVOLTAGERANGE	VARCHAR2(40)
T_REFMULTIMETER	6 SP_MAXIMUMMETERVOLTAGERANGESI	FLOAT
T_REFMULTIMETER	7 MINIMUMMETERCURRENTRANGE	VARCHAR2(40)
T_REFMULTIMETER	8 SP_MINIMUMMETERCURRENTRANGESI	FLOAT
T_REFMULTIMETER	9 MAXIMUMMETERCURRENTRANGE	VARCHAR2(40)
T_REFMULTIMETER	10 SP_MAXIMUMMETERCURRENTRANGESI	FLOAT
T_REFMULTIMETER	11 ISVOLTMETER	NUMBER(10)
T_REFMULTIMETER	12 ISAMMETER	NUMBER(10)

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T_REFMULTIMETER	13 ISACTIVEPOWERMETER	NUMBER(10)
T_REFMULTIMETER	14 ISFREQUENCYMETER	NUMBER(10)
T_REFMULTIMETER	15 ISREACTIVEPOWERMETER	NUMBER(10)
T_REFMULTIMETER	16 ISPOWERFACTORMETER	NUMBER(10)
T_REFMULTIMETER	17 MINIMUMMETERACTIVELOAD	VARCHAR2(40)
T_REFMULTIMETER	18 SP_MINIMUMMETERACTIVELOADSI	FLOAT
T_REFMULTIMETER	19 MAXIMUMMETERACTIVELOAD	VARCHAR2(40)
T_REFMULTIMETER	20 SP_MAXIMUMMETERACTIVELOADSI	FLOAT
T_REFMULTIMETER	21 MINIMUMMETERREACTIVELOAD	VARCHAR2(40)
T_REFMULTIMETER	22 SP_MINIMUMMETERREACTIVELOADSI	FLOAT
T_REFMULTIMETER	23 MAXIMUMMETERREACTIVELOAD	VARCHAR2(40)
T_REFMULTIMETER	24 SP_MAXIMUMMETERREACTIVELOADSI	FLOAT
T_REFMULTIMETER	25 OPERATMETERREACTIVELOAD	VARCHAR2(40)
T_REFMULTIMETER	26 SP_OPERATMETERREACTIVELOADSI	FLOAT
T_REFMULTIMETER	27 OPERATMETERACTIVELOAD	VARCHAR2(40)
T_REFMULTIMETER	28 SP_OPERATMETERACTIVELOADSI	FLOAT
T_REFMULTIMETER	29 OPERATINGMETERFREQUENCY	NUMBER(10)
T_REFMULTIMETER	30 MINIMUMMETERFREQUENCY	VARCHAR2(40)
T_REFMULTIMETER	31 MAXIMUMMETERFREQUENCY	VARCHAR2(40)
T_REFMULTIMETER	32 OPERATINGMETERPOWERFACTOR	FLOAT
T_REFMULTIMETER	33 MINIMUMMETERPOWERFACTOR	FLOAT
T_REFMULTIMETER	34 MAXIMUMMETERPOWERFACTOR	FLOAT
T_REFMULTIMETER	35 SP_MINIMUMMETERFREQUENCYSI	FLOAT
T_REFMULTIMETER	36 SP_MAXIMUMMETERFREQUENCYSI	FLOAT
T_REFNAMINGCONVENTION	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFNAMINGCONVENTION	2 DESCRIPTION	VARCHAR2(4000)
T_REFNAMINGCONVENTION	3 NAME	VARCHAR2(80)
T_REFNAMINGCONVENTION	4 FILTERID	NUMBER(10)
T_REFNAMINGCONVENTION	5 SP_PLANTGROUPID	VARCHAR2(32)
T_REFNAMINGCONVENTION	6 SEQUENCEINGROUP	NUMBER(10)
T_REFNAMINGCONVENTION	7 SP_REFITEMTYPESTORAGEID	VARCHAR2(32)
T_REFNAMINGCONVENTION	8 SUBCLASSATTRIBUTE	VARCHAR2(80)
T_REFNAMINGCONVENTION	9 SUBCLASSVALUE	VARCHAR2(80)
T_REFNAMINGCONVENTION	10 COMPLYTONAMINGCONVENTION	NUMBER(10)
T_REFNAMINGCONVENTIONCOMP	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFNAMINGCONVENTIONCOMP	2 SEQUENCEINGROUP	NUMBER(10)
T_REFNAMINGCONVENTIONCOMP	3 SEGMENTTITLE	VARCHAR2(80)
T_REFNAMINGCONVENTIONCOMP	4 SEGMENTSTRINGFLAG	NUMBER(10)
T_REFNAMINGCONVENTIONCOMP	5 SEGMENTREADONLYFLAG	NUMBER(10)
T_REFNAMINGCONVENTIONCOMP	6 SEGMENTSTARTINGPOS	NUMBER(10)
T_REFNAMINGCONVENTIONCOMP	7 SEGMENTLENGTH	NUMBER(10)
T_REFNAMINGCONVENTIONCOMP	8 SEGMENTATTRIBUTE	VARCHAR2(80)
T_REFNAMINGCONVENTIONCOMP	9 SEGMENTPADFLAG	NUMBER(10)
T_REFNAMINGCONVENTIONCOMP	10 SEGMENTPADCHARACTER	VARCHAR2(80)
T_REFNAMINGCONVENTIONCOMP	11 SP_NAMINGCONVENTIONID	VARCHAR2(32)
T_REFOFFSITEPOWER	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFOFFSITEPOWER	2 OFFSITEPOWERLOAD	VARCHAR2(40)
T_REFOFFSITEPOWER	3 SP_OFFSITEPOWERLOADSI	FLOAT
T_REFOFFSITEPOWER	4 OFFSITEPOWERRATEDPOWER	VARCHAR2(40)
T_REFOFFSITEPOWER	5 SP_OFFSITEPOWERRATEDPOWERSI	FLOAT
T_REFOFFSITEPOWER	6 NORMALPOWERDEMAND	VARCHAR2(40)
T_REFOFFSITEPOWER	7 SP_NORMALPOWERDEMANDSI	FLOAT
T_REFOTHERCONVERTINGEQUIP	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFOTHERCONVERTINGEQUIP	2 OTHERCONVERTRATEDPOWER	VARCHAR2(40)
T_REFOTHERCONVERTINGEQUIP	3 SP_OTHERCONVERTRATEDPOWERSI	FLOAT
T_REFOTHERCONVERTINGEQUIP	4 OUTPUTRATEDVOLTAGE	NUMBER(10)
T_REFOTHERCONVERTINGEQUIP	5 OUTPUTNOMINALCURRENT	VARCHAR2(40)
T_REFOTHERCONVERTINGEQUIP	6 SP_OUTPUTNOMINALCURRENTSI	FLOAT
T_REFOTHERCONVERTINGEQUIP	7 OUTPUTRATEDPOWER	VARCHAR2(40)
T_REFOTHERCONVERTINGEQUIP	8 SP_OUTPUTRATEDPOWERSI	FLOAT
T_REFOTHERCONVERTINGEQUIP	9 OUTPUTVOLTAGERANGE	VARCHAR2(80)
T_REFOTHERCONVERTINGEQUIP	10 OUTPUTACDC	NUMBER(10)
T_REFOTHERCONVERTINGEQUIP	11 OUTPUTFREQUENCY	NUMBER(10)

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T_REFOTHERDISCONNECTEQUIP	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFOTHERELECTEQUIPMENT	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFOTHERELECTEQUIPMENT	2 OTHEREQUIPRATEDPOWER	VARCHAR2(40)
T_REFOTHERELECTEQUIPMENT	3 SP_OTHEREREQUIPRATEDPOWERSI	FLOAT
T_REFOVERLOADRELAY	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFOVERLOADRELAY	2 OVERLOADRELAYTYPE	NUMBER(10)
T_REFOVERLOADRELAY	3 MANUALRESETREQ	NUMBER(10)
T_REFOVERLOADRELAY	4 TRIPCLASS	NUMBER(10)
T_REFOVERLOADRELAY	5 OVERLOADRANGE	NUMBER(10)
T_REFOVERLOADRELAY	6 OVERLOADSETTING	VARCHAR2(80)
T_REFOVERLOADRELAY	7 COMMUNICATIONCAPABILITYFLAG	NUMBER(10)
T_REFOVERLOADRELAY	8 SHORTCIRCUITPROTECTIONFLAG	NUMBER(10)
T_REFOVERLOADRELAY	9 OVERCURRENTPROTECTIONFLAG	NUMBER(10)
T_REFOVERLOADRELAY	10 GROUNDFAULTPROTECTIONFLAG	NUMBER(10)
T_REFOVERLOADRELAY	11 PHASELOSSPROTECTIONFLAG	NUMBER(10)
T_REFOVERLOADRELAY	12 ISCURRENTTRANSFORMER	NUMBER(10)
T_REFOVERLOADRELAY	13 CURRENTTRANSFORMERCLASS	NUMBER(10)
T_REFOVERLOADRELAY	14 CURRENTTRANSFORMERRATIO	NUMBER(10)
T_REFOVERLOADRELAY	15 TEMPERATUREDETECTORTYPE	NUMBER(10)
T_REFPANEL	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFPANEL	2 CABLEOD	VARCHAR2(40)
T_REFPANEL	3 SP_CABLEODSI	FLOAT
T_REFPLANTGROUP	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFPLANTGROUP	2 DESCRIPTION	VARCHAR2(4000)
T_REFPLANTGROUP	3 UPDATECOUNT	NUMBER(10)
T_REFPLANTGROUP	4 NAME	VARCHAR2(80)
T_REFPLANTGROUP	5 DEPTH	NUMBER(10)
T_REFPLANTGROUP	6 PLANTGROUPTYPE	NUMBER(10)
T_REFPLANTGROUP	7 DATECREATED	DATE
T_REFPLANTGROUP	8 DIR_PATH	VARCHAR2(4000)
T_REFPLANTGROUP	9 PARENTID	VARCHAR2(40)
T_REFPLANTGROUP	10 USERDEFINED	VARCHAR2(1)
T_REFPLANTGROUP	11 SP_WSSITEID	NUMBER(10)
T_REFPLANTGROUP	12 SP_EFUID	VARCHAR2(40)
T_REFPLANTITEM	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFPLANTITEM	2 TAGSEQUENCENO	VARCHAR2(40)
T_REFPLANTITEM	3 TAGSUFFIX	VARCHAR2(40)
T_REFPLANTITEM	4 TAGPREFIX	VARCHAR2(40)
T_REFPLANTITEM	5 NAME	VARCHAR2(80)
T_REFPLANTITEM	6 ITEMTAG	VARCHAR2(50)
T_REFPLANTITEM	7 PLANTITEMTYPE	NUMBER(10)
T_REFPLANTITEM	8 AABBC_CODE	VARCHAR2(40)
T_REFPLANTITEM	9 FABRICATIONCATEGORY	NUMBER(10)
T_REFPLANTITEM	10 SP_PLANTGROUPID	VARCHAR2(32)
T_REFPLANTITEM	11 SUPPLYBY	NUMBER(10)
T_REFPLANTITEM	12 REQUISITIONBY	NUMBER(10)
T_REFPLANTITEM	13 ISBULKITEM	NUMBER(10)
T_REFPLANTITEM	14 INVENTORYTAG	VARCHAR2(80)
T_REFPLANTITEM	15 CONSTRUCTIONSTATUS	NUMBER(10)
T_REFPLANTITEM	16 DESIGNBY	NUMBER(10)
T_REFPLANTITEM	17 ERPASSTNO	VARCHAR2(80)
T_REFPLANTITEM	18 REQUISITIONNO	VARCHAR2(80)
T_REFPLANTITEM	19 SP_PARTNO	VARCHAR2(80)
T_REFPLANTITEM	20 SP_CATALOGNAME	VARCHAR2(240)
T_REFPLANTITEM	21 SP_REFPROFILEID	VARCHAR2(32)
T_REFPLANTITEM	22 ITEMTAGFULLNAME	VARCHAR2(80)
T_REFPLANTITEMGROUP	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFPLANTITEMGROUP	2 ELECTRICALEQUIPMENTTYPE	NUMBER(10)
T_REFPLANTITEMGROUP	3 ELECTRICALEQUIPMENTCLASS	NUMBER(10)
T_REFPLANTITEMGROUP	4 ELECTRICALEQUIPMENTSUBCLASS	NUMBER(10)
T_REFPLANTITEMGROUP	5 COMPLYTONAMINGCONVENTION	NUMBER(10)
T_REFPLANTITEMPROFILEJOIN	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFPLANTITEMPROFILEJOIN	2 NOCONDUCTOR	NUMBER(10)

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T_REFPLANTITEMPROFILEJOIN	3 CABLECATEGORY	NUMBER(10)
T_REFPLANTITEMPROFILEJOIN	4 CABLESPECIFICATION	NUMBER(10)
T_REFPLANTITEMPROFILEJOIN	5 CONDUCTORARRANGEMENT	NUMBER(10)
T_REFPLANTITEMPROFILEJOIN	6 NOADDITIONALCONDUCTOR	NUMBER(10)
T_REFPLANTITEMPROFILEJOIN	7 SP_REFPROFILEID	VARCHAR2(32)
T_REFPLANTITEMPROFILEJOIN	8 SEQUENCEINGROUP	NUMBER(10)
T_REFPLANTITEMPROFILEJOIN	9 REFPLANTITEMPROFILEJOINTYPE	NUMBER(10)
T_REFPLANTITEMPROFILEJOIN	10 SP_REFPLANTITEMID	VARCHAR2(32)
T_REFPOTENTIALTRANSFORMER	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFPOTENTIALTRANSFORMER	2 PRIMARYTOSECONDARYRATIO	VARCHAR2(40)
T_REFPOTENTIALTRANSFORMER	3 PRIMARYPOTENTIALRATING	VARCHAR2(40)
T_REFPOTENTIALTRANSFORMER	4 SP_PRIMARYPOTENTIALRATINGSI	FLOAT
T_REFPOTENTIALTRANSFORMER	5 SECONDARYPOTENTIALRATING	VARCHAR2(40)
T_REFPOTENTIALTRANSFORMER	6 SP_SECONDARYPOTENTIALRATINGSI	FLOAT
T_REFPOTENTIALTRANSFORMER	7 POTENTIALTRANSFORMERCONNECTION	NUMBER(10)
T_REFPOWERDISTRIBUTIONBOARD	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFPOWERDISTRIBUTIONBOARD	2 MINACCEPTABLEPOWERFACTOR	FLOAT
T_REFPOWERDISTRIBUTIONBOARD	3 WITHDRAWABLECUBICLECONST	NUMBER(10)
T_REFPOWERDISTRIBUTIONBOARD	4 POWERFREQUENCYWITHSTANDVOLT	VARCHAR2(80)
T_REFPOWERDISTRIBUTIONBOARD	5 LIGHTINGIMPULSEWITHSTANDVOLT	VARCHAR2(80)
T_REFPOWERDISTRIBUTIONBOARD	6 INTERNALARCWITHSTAND	VARCHAR2(80)
T_REFPOWERDISTRIBUTIONBOARD	7 SHORTCIRCUITCURRENTRATING	NUMBER(10)
T_REFPOWERDISTRIBUTIONBOARD	8 SHORTCIRCUITCURRENTPEAKWITH	NUMBER(10)
T_REFPOWERDISTRIBUTIONBOARD	9 OVERRIDEZFACTOR	NUMBER(10)
T_REFPOWERDISTRIBUTIONBOARD	10 OVERRIDEYFACTOR	NUMBER(10)
T_REFPOWERDISTRIBUTIONBOARD	11 OVERRIDEZZFACTOR	NUMBER(10)
T_REFPOWERDISTRIBUTIONBOARD	12 TOTALRUNNINGLOAD	VARCHAR2(40)
T_REFPOWERDISTRIBUTIONBOARD	13 SP_TOTALRUNNINGLOADSI	FLOAT
T_REFPOWERDISTRIBUTIONBOARD	14 TOTALPEAKLOAD	VARCHAR2(40)
T_REFPOWERDISTRIBUTIONBOARD	15 SP_TOTALPEAKLOADSI	FLOAT
T_REFPOWERDISTRIBUTIONBOARD	16 NUMBEROFSECTIONS	NUMBER(10)
T_REFPOWERDISTRIBUTIONBOARD	17 NUMBEROFROWS	NUMBER(10)
T_REFPOWERDISTRIBUTIONBOARD	18 COMPARTMENTSINSECTION	NUMBER(10)
T_REFPOWERDISTRIBUTIONBOARD	19 COMPARTMENTSINROW	NUMBER(10)
T_REFPOWERDISTRIBUTIONBOARD	20 ORIGINPOINT	NUMBER(10)
T_REFPOWERDISTRIBUTIONBOARD	21 ROWSTARTINGNUMBER	NUMBER(10)
T_REFPOWERDISTRIBUTIONBOARD	22 SECTIONSTARTINGNUMBER	NUMBER(10)
T_REFPOWERDISTRIBUTIONBOARD	23 ROWCONSTANTSTRING	VARCHAR2(80)
T_REFPOWERDISTRIBUTIONBOARD	24 SECTIONCONSTANTSTRING	VARCHAR2(80)
T_REFPOWERDISTRIBUTIONBOARD	25 ISDOUBLESIDE	NUMBER(10)
T_REFPOWERDISTRIBUTIONBOARD	26 ROWNAMINGTYPE	NUMBER(10)
T_REFPOWERDISTRIBUTIONBOARD	27 SECTIONNAMINGTYPE	NUMBER(10)
T_REFPOWERDISTRIBUTIONBOARD	28 CELLSTRUCTURE	VARCHAR2(4000)
T_REFPOWERDISTRIBUTIONBOARD	29 HEATDISSIPATION	VARCHAR2(40)
T_REFPOWERDISTRIBUTIONBOARD	30 SP_HEATDISSIPATIONSI	FLOAT
T_REFPOWERDISTRIBUTIONBOARD	31 SHORTCIRCUITDURATION	VARCHAR2(40)
T_REFPOWERDISTRIBUTIONBOARD	32 SP_SHORTCIRCUITDURATIONSI	FLOAT
T_REFPOWERDISTRIBUTIONEQUIP	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFPOWERDISTRIBUTIONEQUIP	2 IECCOORDINATION	NUMBER(10)
T_REFPOWERDISTRIBUTIONEQUIP	3 CURRENTRATING	VARCHAR2(40)
T_REFPOWERDISTRIBUTIONEQUIP	4 SP_CURRENTRATINGSI	FLOAT
T_REFPOWERDISTRIBUTIONEQUIP	5 SHORTCIRCUITRATING	VARCHAR2(40)
T_REFPOWERDISTRIBUTIONEQUIP	6 SP_SHORTCIRCUITRATINGSI	FLOAT
T_REFPREFERENCES	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFPREFERENCES	2 UPDATECOUNT	NUMBER(10)
T_REFPREFERENCES	3 NAME	VARCHAR2(80)
T_REFPREFERENCES	4 DISPLAYNAME	VARCHAR2(80)
T_REFPREFERENCES	5 GLOBALVALUE	VARCHAR2(4000)
T_REFPREFERENCES	6 CATEGORYDISPLAYNAME	VARCHAR2(80)
T_REFPREFERENCES	7 CATEGORYINTERNALNAME	VARCHAR2(80)
T_REFPREFERENCES	8 SP_COMMONFLAG	NUMBER(10)
T_REFPROFILE	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFPROFILE	2 DEFAULTTPROFILEFLAG	NUMBER(10)

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T_REFPROFILE	3 SP_REFCIRCUITID	VARCHAR2(32)
T_REFPROFILE	4 SP_ELECTRICALEQUIPMENTID	VARCHAR2(32)
T_REFPROFILE	5 SP_REFTYPICALSCHEMATICID	VARCHAR2(32)
T_REFPROFILE	6 SP_REFLOOKUPTABLEID	VARCHAR2(32)
T_REFPROFILE	7 VIEWNAME	VARCHAR2(80)
T_REFPROTECTIONRELAY	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFPROTECTIONRELAY	2 OVERLOADCURRENTSETTING	VARCHAR2(80)
T_REFPROTECTIONRELAY	3 AUXCONTACTSREQFLAG	NUMBER(10)
T_REFPROTECTIONRELAY	4 TEMPERATUREELEMENTTYPE	NUMBER(10)
T_REFPROTECTIONRELAY	5 CURRENTTRANSFORMER	NUMBER(10)
T_REFPROTECTIONRELAY	6 SENSING	NUMBER(10)
T_REFPROTECTIONRELAY	7 OVERLOADCURRENTRANGE	NUMBER(10)
T_REFPROTECTIONRELAY	8 PROTECTIONRELAYTRIPCLASS	NUMBER(10)
T_REFPROTECTIONRELAY	9 MANUALRESETREQ	NUMBER(10)
T_REFPROTECTIONRELAY	10 COMMUNICATIONCAPABILITYFLAG	NUMBER(10)
T_REFPROTECTIONRELAY	11 SHORTCIRCUITPROTECTIONFLAG	NUMBER(10)
T_REFPROTECTIONRELAY	12 OVERCURRENTPROTECTIONFLAG	NUMBER(10)
T_REFPROTECTIONRELAY	13 GROUNDFAULTPROTECTIONFLAG	NUMBER(10)
T_REFPROTECTIONRELAY	14 PHASELOSSPROTECTIONFLAG	NUMBER(10)
T_REFPROTECTIONRELAY	15 CURRENTTRANSFORMERCLASS	NUMBER(10)
T_REFPROTECTIONRELAY	16 CURRENTTRANSFORMERRATIO	NUMBER(10)
T_REFTRACEWAYMISCELLANEOUS	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFTRACEWAYMISCELLANEOUS	2 HEIGHT	VARCHAR2(40)
T_REFTRACEWAYMISCELLANEOUS	3 SP_HEIGHTSI	FLOAT
T_REFTRACEWAYMISCELLANEOUS	4 BOTTOMCONSTRUCTION	NUMBER(10)
T_REFRELAYFUNCTION	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFRELAYFUNCTION	2 SP_REFRELAYFUNCTIONLIBID	VARCHAR2(32)
T_REFRELAYFUNCTION	3 RELAYFUNCTIONTYPE	NUMBER(10)
T_REFRELAYFUNCTION	4 RELAYFUNCTIONCODE	VARCHAR2(40)
T_REFRELAYFUNCTION	5 RELAYPERCENTSETTING	FLOAT
T_REFRELAYFUNCTION	6 RELAYACTION	NUMBER(10)
T_REFRELAYFUNCTION	7 RELAYSETTING	VARCHAR2(40)
T_REFRELAYFUNCTION	8 SP_REFPROTECTIONRELAYID	VARCHAR2(32)
T_REFRELAYFUNCTIONLIB	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFRELAYFUNCTIONLIB	2 RELAYFUNCTIONTYPE	NUMBER(10)
T_REFRELAYFUNCTIONLIB	3 RELAYFUNCTIONCODE	VARCHAR2(40)
T_REFRELAYFUNCTIONLIB	4 RELAYPERCENTSETTING	FLOAT
T_REFRELAYFUNCTIONLIB	5 RELAYACTION	NUMBER(10)
T_REFRELAYFUNCTIONLIB	6 RELAYSETTING	VARCHAR2(40)
T_REFRESISTOR	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFRESISTOR	2 RESISTORRATEDPOWER	VARCHAR2(40)
T_REFRESISTOR	3 SP_RESISTORRATEDPOWERSI	FLOAT
T_REFRESISTOR	4 RESISTANCE	VARCHAR2(40)
T_REFRESISTOR	5 SP_RESISTANCESI	FLOAT
T_REFRESISTOR	6 HEATDISSIPATION	VARCHAR2(40)
T_REFRESISTOR	7 SP_HEATDISSIPATIONS	FLOAT
T_REFRESISTOR	8 LINETONEUTRALVOLTAGE	NUMBER(10)
T_REFRESISTOR	9 INITIALCURRENT	VARCHAR2(40)
T_REFRESISTOR	10 SP_INITIALCURRENTSI	FLOAT
T_REFRESISTOR	11 ALLOWABLETIMEON	VARCHAR2(40)
T_REFRESISTOR	12 SP_ALLOWABLETIMEONSI	FLOAT
T_REFRESISTOR	13 RATEDREACTANCE	VARCHAR2(40)
T_REFRESISTOR	14 SP_RATEDREACTANCESI	FLOAT
T_REFSIGNALGROUP	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFSIGNALRUN	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFSIGNALRUN	2 STATUSTYPE	NUMBER(10)
T_REFSIGNALRUN	3 ISSLD	NUMBER(10)
T_REFSIGNALRUN	4 SEQUENCEINGROUP	NUMBER(10)
T_REFSIGNALRUN	5 SP_REFEQUIPMENTID	VARCHAR2(32)
T_REFSIGNALRUN	6 NOTE	VARCHAR2(4000)
T_REFSIGNALRUN	7 ITEMTYPEIDENTIFIER	VARCHAR2(80)
T_REFSIGNALRUN	8 ISELECTRICALTREE	NUMBER(10)
T_REFSIGNALRUN	9 COMPLYTONAMINGCONVENTION	NUMBER(10)

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T_REFSIGNALRUN	10 REFERENCELOOPNUMBER		VARCHAR2(80)
T_REFSIGNALRUN	11 HOSTPANELTAG		VARCHAR2(80)
T_REFSIGNALRUN	12 HOSTCHANNELADDRESS		VARCHAR2(80)
T_REFSIGNALRUN	13 HOSTCHANNELTAG		VARCHAR2(80)
T_REFSIGNALRUN	14 HOSTCARDTAG		VARCHAR2(80)
T_REFSIGNALRUN	15 SYSTEMIOTYPE		NUMBER(10)
T_REFSIGNALRUN	16 HOSTCARDPOSITION		VARCHAR2(80)
T_REFSIGNALRUN	17 HOSTRACKTAG		VARCHAR2(80)
T_REFSIGNALRUN	18 SP_REFSIGNALGROUPID		VARCHAR2(32)
T_REFSTARTER	1 SP_ID	NOT NULL	VARCHAR2(32)
T_REFSTARTER	2 THERMALRELEASEADJRANGE		VARCHAR2(80)
T_REFSTARTER	3 THERMALRELEASESETTING		VARCHAR2(80)
T_REFSTARTER	4 MAGNETICRELEASEADJRANGE		VARCHAR2(80)
T_REFSTARTER	5 MAGNETICRELEASESETTING		VARCHAR2(80)
T_REFSTRIP	1 SP_ID	NOT NULL	VARCHAR2(32)
T_REFSTRIP	2 SP_REFSTRIPCONFIGID		VARCHAR2(32)
T_REFSTRIP	3 SP_REFEQUIPMENTID		VARCHAR2(32)
T_REFSTRIPCABLECONNECTION	1 SP_ID	NOT NULL	VARCHAR2(32)
T_REFSTRIPCONFIG	1 SP_ID	NOT NULL	VARCHAR2(32)
T_REFSTRIPCONFIG	2 TERMINALCOUNT		NUMBER(10)
T_REFSTRIPCONFIG	3 NOTERMINPATTERN		NUMBER(10)
T_REFSTRIPCONFIG	4 FIRSTTERMNO		NUMBER(10)
T_REFSTRIPCONFIGTERM	1 SP_ID	NOT NULL	VARCHAR2(32)
T_REFSTRIPCONFIGTERM	2 TERMSUFFIX		VARCHAR2(80)
T_REFSTRIPCONFIGTERM	3 TERMPREFIX		VARCHAR2(80)
T_REFSTRIPCONFIGTERM	4 ISINCREMENTED		NUMBER(10)
T_REFSTRIPCONFIGTERM	5 ISNUMBERED		NUMBER(10)
T_REFSTRIPCONFIGTERM	6 SP_REFSTRIPCONFIGID		VARCHAR2(32)
T_REFSYMBOLGY	1 SP_ID	NOT NULL	VARCHAR2(32)
T_REFSYMBOLGY	2 DOCUMENTTYPE		NUMBER(10)
T_REFSYMBOLGY	3 SP_REFITEMTYPESTORAGEID		VARCHAR2(32)
T_REFSYMBOLGY	4 FILTERNAME		VARCHAR2(50)
T_REFSYMBOLGY	5 SP_SYMBOLNAME		VARCHAR2(255)
T_REFSYMBOLGY	6 SP_STYLENAME		VARCHAR2(255)
T_REFSYMBOLGY	7 SP_PRIORITY		NUMBER(10)
T_REFSYMBOLGY	8 SP_STYLEWIDTH		FLOAT
T_REFSYMBOLGY	9 SP_STYLECOLOR		VARCHAR2(255)
T_REFSYMBOLGY	10 SP_STYLELINEARPATTERN		VARCHAR2(255)
T_REFSYMBOLGY	11 SP_FILTERID		VARCHAR2(32)
T_REFTERMINAL	1 SP_ID	NOT NULL	VARCHAR2(32)
T_REFTERMINAL	2 SP_REFSTRIPID		VARCHAR2(32)
T_REFTERMINAL	3 NUMBEROFTERMINATIONPOINTS		NUMBER(10)
T_REFTERMINAL	4 POLARITY		NUMBER(10)
T_REFTERMINAL	5 COLOR		NUMBER(10)
T_REFTERMINAL	6 MAXNUMBEROFCONDUCTORS		NUMBER(10)
T_REFTRANSFORMER	1 SP_ID	NOT NULL	VARCHAR2(32)
T_REFTRANSFORMER	2 TRANSFORMERRATEDPOWER		VARCHAR2(40)
T_REFTRANSFORMER	3 SP_TRANSFORMERRATEDPOWERSI		FLOAT
T_REFTRANSFORMER	4 SECONDARYELEMENT		NUMBER(10)
T_REFTRANSFORMER	5 PRIMARYCONNECTION		NUMBER(10)
T_REFTRANSFORMER	6 REACTANCEPRIMTOSECOND2		FLOAT
T_REFTRANSFORMER	7 RESISTANCEPRIMTOSECOND2		FLOAT
T_REFTRANSFORMER	8 RESISTANCEPRIMTOSECOND1		FLOAT
T_REFTRANSFORMER	9 REACTANCEPRIMTOSECOND1		FLOAT
T_REFTRANSFORMER	10 KFACTOR		FLOAT
T_REFTRANSFORMER	11 IMPEDANCEPERCENTAGE		FLOAT
T_REFTRANSFORMER	12 OILTYPE		NUMBER(10)
T_REFTRANSFORMER	13 GROUNDCTRATIO		VARCHAR2(80)
T_REFTRANSFORMER	14 CTSTYLE		NUMBER(10)
T_REFTRANSFORMER	15 CTCLASS		NUMBER(10)
T_REFTRANSFORMER	16 CTRATING		NUMBER(10)
T_REFTRANSFORMER	17 CTBURDEN		VARCHAR2(80)
T_REFTRANSFORMER	18 SUDDENPRESSURERELAYFLAG		NUMBER(10)

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T_REFTRANSFORMER	19 COOLINGFANSFLAG	NUMBER(10)
T_REFTRANSFORMER	20 OILPRESSUREGAGEFLAG	NUMBER(10)
T_REFTRANSFORMER	21 COOLINGTYPE	NUMBER(10)
T_REFTRANSFORMER	22 NUMBEROFSECONDARIES	NUMBER(10)
T_REFTRANSFORMER	23 RESISTANCESECONDTOSECOND	FLOAT
T_REFTRANSFORMER	24 REACTANCESECONDTOSECOND	FLOAT
T_REFTRANSFORMER	25 NEUTRALGROUNDING	NUMBER(10)
T_REFTRANSFORMER	26 TAPPINGREQUIREDFLAG	NUMBER(10)
T_REFTRANSFORMER	27 TAPPING	NUMBER(10)
T_REFTRANSFORMER	28 TAPPINGPERCENTPERSTEP	FLOAT
T_REFTRANSFORMER	29 NUMBEROFSTEPS	NUMBER(10)
T_REFTRANSFORMER	30 TOTALTAPPINGPERCENTRANGE	FLOAT
T_REFTRANSFORMERCOMPONENT	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFTRANSFORMERCOMPONENT	2 SECONDARYELEMENT	NUMBER(10)
T_REFTRANSFORMERCOMPONENT	3 TRANSFORMERCOMPVOLTAGE	NUMBER(10)
T_REFTRANSFORMERCOMPONENT	4 TRANSFORMERCOMPCONNECTION	NUMBER(10)
T_REFTRAY	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFTRAY	2 TRAYSHAPE	NUMBER(10)
T_REFTRAY	3 BOTTOMCONSTRUCTION	NUMBER(10)
T_REFTRAY	4 SP_CABLETRAYCONSTRUCTION	NUMBER(10)
T_REFTYPICALSCHEMATIC	1 XCOORDINATE	FLOAT
T_REFTYPICALSCHEMATIC	2 YCOORDINATE	FLOAT
T_REFTYPICALSCHEMATIC	3 SP_ID	NOT NULL VARCHAR2(32)
T_REFTYPICALSCHEMATIC	4 TEMPLATE	VARCHAR2(240)
T_REFTYPICALSCHEMATIC	5 ISSEELISTONDRAWINGSHEET	NUMBER(10)
T_REFTYPICALSCHEMATIC	6 SP_MAINPLANTITEMID	VARCHAR2(32)
T_REFTYPICALSCHEMATIC	7 NOOFROWSONCOMMONSHEET	NUMBER(10)
T_REFTYPICALSCHEMATIC	8 NOOFROWSONMULTIITEMSHEET	NUMBER(10)
T_REFTYPICALSCHEMATIC	9 HAVEMULTIITEMSHEETFLAG	NUMBER(10)
T_REFTYPICALSCHEMATICBLOCK	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFTYPICALSCHEMATICBLOCK	2 SP_REFITEMTYPESTORAGEID	VARCHAR2(32)
T_REFTYPICALSCHEMATICITEM	1 XCOORDINATE	FLOAT
T_REFTYPICALSCHEMATICITEM	2 YCOORDINATE	FLOAT
T_REFTYPICALSCHEMATICITEM	3 SP_ID	NOT NULL VARCHAR2(32)
T_REFTYPICALSCHEMATICITEM	4 ASSOCIATEDITEMTYPE	NUMBER(10)
T_REFTYPICALSCHEMATICITEM	5 SP_REFTYPICALSCHEMATICID	VARCHAR2(32)
T_REFTYPICALSCHEMATICITEM	6 SP_REFTYPICALSCHEMATICBLOCKID	VARCHAR2(32)
T_REFTYPICALSCHEMATICITEM	7 SHEETNUMBER	NUMBER(10)
T_REFTYPICALSCHEMATICITEM	8 SHEETDESCRIPTION	VARCHAR2(80)
T_REFUPS	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFUPS	2 UPSRATEDPOWER	VARCHAR2(40)
T_REFUPS	3 SP_UPSRATEDPOWERSI	FLOAT
T_REFUPS	4 OUTPUTRATEDVOLTAGE	NUMBER(10)
T_REFUPS	5 OUTPUTNOMINALCURRENT	VARCHAR2(40)
T_REFUPS	6 SP_OUTPUTNOMINALCURRENTSI	FLOAT
T_REFUPS	7 OUTPUTRATEDPOWER	VARCHAR2(40)
T_REFUPS	8 SP_OUTPUTRATEDPOWERSI	FLOAT
T_REFUPS	9 OUTPUTVOLTAGERANGE	VARCHAR2(80)
T_REFUPS	10 OUTPUTLOADTYPE	NUMBER(10)
T_REFUPS	11 REMOTEBYPASSSWITCHFLAG	NUMBER(10)
T_REFUPS	12 TRANSFERSWITCHINGTIME	VARCHAR2(40)
T_REFUPS	13 SP_TRANSFERSWITCHINGTIMESI	FLOAT
T_REFUPS	14 BATTERYVOLTAGELEVEL	VARCHAR2(80)
T_REFUPS	15 INVERTERTYPE	NUMBER(10)
T_REFUPS	16 OUTPUTACDC	NUMBER(10)
T_REFUPS	17 OUTPUTFREQUENCY	NUMBER(10)
T_REFVARIABLEFREQUENCYDRIVE	1 SP_ID	NOT NULL VARCHAR2(32)
T_REFVARIABLEFREQUENCYDRIVE	2 VARFREQDRIVERATEDPOWER	VARCHAR2(40)
T_REFVARIABLEFREQUENCYDRIVE	3 SP_VARFREQDRIVERATEDPOWERSI	FLOAT
T_REFVARIABLEFREQUENCYDRIVE	4 OUTPUTRATEDVOLTAGE	NUMBER(10)
T_REFVARIABLEFREQUENCYDRIVE	5 OUTPUTNOMINALCURRENT	VARCHAR2(40)
T_REFVARIABLEFREQUENCYDRIVE	6 SP_OUTPUTNOMINALCURRENTSI	FLOAT
T_REFVARIABLEFREQUENCYDRIVE	7 OUTPUTRATEDPOWER	VARCHAR2(40)

