전체신설

확대도 참조

FROM:3.3KV 제3송수 펌프장 기존 HV 1-2의 1차측에 연결 (FROM:신설 변전실 신 HV 20)
6/10kV TFR-CV 300sqx1Cx3LINE(IN TRAY)

6/10kV TFR-CV 95sqx1Cx3LINE(신설)
TO. 신설 950KVA TR
신HT-M3 PANEL

1-1 신HV
CHD
3-PT 50VA 3.3KV/110V
F:1A F:2A PTT
0-4.5KV V V-TD
NVR (27)
기존HV 1-2의 VCB와INTERLOCK
VCB (인출형) 7.2KV 2000A 390MVA 31.5KA
기존3.3KV 제3송수 펌프장 HV 1-2의 1차측에 연결 6/10kV TFR-CV 300sqx1Cx3LINE(IN TRAY)
3.3KV 3 3W 20KA 1Ot X 80 x 2

3-GPT 100/200VA 3.3KV/√3 110V/√3 190V/3
F:1A F:2A PTT
F:2A GPTT 190V 50ohm
CLR
EL x3
VCB (인출형) 7.2KV 630A 160MVA 20KA
CTT
3-CT 7.2KV 600/5A 40VA 1.0CLASS
BUSBAR 6t X 50
GIPAM-LG산전
OVR (59)
UVR (27)
OVGR (64)
V Vo
OCR (50/51)
WH KW PF A
M1 신HT

GIPAM-LG산전 V WH A (67) SGR
VCB (인출형) 7.2KV 400A 100MVA
3-CT 7.2KV 150/5A 40In n>10
VC (인출형) 7.2KV 200A 4KA (순시이자부)
REACTOR(MOLD) 3.3KV 400HP 50,65,80%
S.R 9KVA D.C
3-SA 3.3KV 5KA E-1
CHD
SC 3.3KV 3 150KVA
ZCT 7.2KV 200/1.5mA
6 신HT

VCB (인출형) 7.2KV 630A 160MVA 12.5KA
3-CT 7.2KV 100/5A 40VA 1.0CLASS
VC (인출형) 7.2KV 400A 4KA
REACTOR(MOLD) 3.3KV 300HP 50,65,80%
S.R 6KVA D.C
SC 3.3KV 3 100KVA
7 신HT

VCB (인출형) 7.2KV 630A 160MVA 12.5KA
3-CT 7.2KV 30/5A 40VA 1.0CLASS
VC (인출형) 7.2KV 400A 4KA
REACTOR(MOLD) 3.3KV 100HP 50,65,80%
S.R 1.8KVA D.C
SC 3.3KV 3 30KVA
8 신HT

VCB (인출형) 7.2KV 630A 160MVA 12.5KA
3-CT 7.2KV 30/5A 40VA 1.0CLASS
VC (인출형) 7.2KV 400A 4KA
REACTOR(MOLD) 3.3KV 100HP 50,65,80%
S.R 1.8KVA D.C
SC 3.3KV 3 30KVA
9 신HT

VCB (인출형) 7.2KV 630A 160MVA 12.5KA
3-CT 7.2KV 40/5A 40VA 1.0CLASS
VC (인출형) 7.2KV 400A 4KA
REACTOR(MOLD) 3.3KV 150HP 50,65,80%
S.R 3KVA D.C
SC 3.3KV 3 50KVA
10 신HT

VCB (인출형) 7.2KV 630A 160MVA 12.5KA
3-CT 7.2KV 40/5A 40VA 1.0CLASS
VC (인출형) 7.2KV 400A 4KA
REACTOR(MOLD) 3.3KV 150HP 50,65,80%
S.R 3KVA D.C
SC 3.3KV 3 50KVA
11 신HT

6/10kV TFR-CV 35sq/3Cx1L(38M)
6/10kV TFR-CV 35sq/3Cx1L(44M)
6/10kV TFR-CV 35sq/3Cx1L(51M)
6/10kV TFR-CV 35sq/3Cx1L(56M)
6/10kV TFR-CV 35sq/3Cx1L(62M)
6/10kV TFR-CV 35sq/3Cx1L(67M)

FROM:기존HT-6
FROM:기존HT-7
FROM:기존HT-8
FROM:기존HT-9
FROM:기존HT-10
FROM:기존HT-11
27AX F4A FUSE FUSE F4A 27BX
PTx1 50VA 3.3KV/110V
VTS 3P 7.2V 400A
신VTS #6
신VTS #7
신VTS #8
신VTS #9
신VTS #10
신VTS #11
CABLE TRAY 6/10kV TFR-CV 35sq/3Cx1L(38M)
CABLE TRAY 6/10kV TFR-CV 35sq/3Cx1L(44M)
CABLE TRAY 6/10kV TFR-CV 35sq/3Cx1L(56M)
CABLE TRAY 6/10kV TFR-CV 35sq/3Cx1L(62M)
CABLE TRAY 6/10kV TFR-CV 35sq/3Cx1L(67M)
M
3.3KV 360HP HIGH SERVICE PUMP #6
3.3KV 360HP HIGH SERVICE PUMP #7
3.3KV 100HP HIGH BACK WASH WATER PUMP #1
3.3KV 100HP HIGH BACK WASH WATER PUMP #2
3.3KV 150HP HIGH SURFACE WASH WATER PUMP #1
3.3KV 150HP HIGH SURFACE WASH WATER PUMP #2

VCB (인출형) 7.2KV 400A 100MVA
3-CT 7.2KV 150/5A 40In n>10
VC (인출형) 7.2KV 200A 4KA (순시이자부)
REACTOR(MOLD) 3.3KV 400HP 50,65,80%
S.R 9KVA D.C
3-SA 3.3KV 5KA E-1
SC 3.3KV 3 150KVA
ZCT 7.2KV 200/1.5mA
5 신HT

VCB (인출형) 7.2KV 400A 100MVA
3-CT 7.2KV 200/5A 40In n>10
VC (인출형) 7.2KV 200A 4KA (순시이자부)
REACTOR(MOLD) 3.3KV 600HP 50,65,80%
S.R 12KVA D.C
SC 3.3KV 3 200KVA
4 신HT

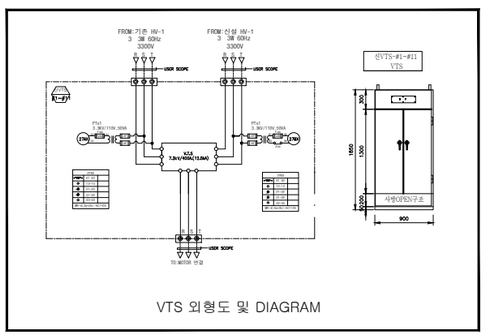
VCB (인출형) 7.2KV 400A 100MVA
3-CT 7.2KV 200/5A 40In n>10
VC (인출형) 7.2KV 200A 4KA (순시이자부)
REACTOR(MOLD) 3.3KV 600HP 50,65,80%
S.R 12KVA D.C
SC 3.3KV 3 200KVA
3 신HT

VCB (인출형) 7.2KV 400A 100MVA
3-CT 7.2KV 200/5A 40In n>10
VC (인출형) 7.2KV 200A 4KA (순시이자부)
REACTOR(MOLD) 3.3KV 600HP 50,65,80%
S.R 12KVA D.C
SC 3.3KV 3 200KVA
2 신HT

VCB (인출형) 7.2KV 400A 100MVA
3-CT 7.2KV 200/5A 40In n>10
VC (인출형) 7.2KV 200A 4KA (순시이자부)
REACTOR(MOLD) 3.3KV 600HP 50,65,80%
S.R 12KVA D.C
SC 3.3KV 3 200KVA
1 신HT

6/10kV TFR-CV 35sq/3Cx1L(33M)
6/10kV TFR-CV 50sq/3Cx1L(29M)
6/10kV TFR-CV 50sq/3Cx1L(25M)
6/10kV TFR-CV 50sq/3Cx1L(21M)
6/10kV TFR-CV 50sq/3Cx1L(24M)

FROM:기존HT-5
FROM:기존HT-4
FROM:기존HT-3
FROM:기존HT-2
FROM:기존HT-1
27AX F4A FUSE FUSE F4A 27BX
PTx1 50VA 3.3KV/110V
VTS 3P 7.2V 400A
신VTS #5
신VTS #4
신VTS #3
신VTS #2
신VTS #1
CABLE TRAY 6/10kV TFR-CV 35sq/3Cx1L(33M)
CABLE TRAY 6/10kV TFR-CV 50sq/3Cx1L(29M)
CABLE TRAY 6/10kV TFR-CV 50sq/3Cx1L(25M)
CABLE TRAY 6/10kV TFR-CV 50sq/3Cx1L(21M)
CABLE TRAY 6/10kV TFR-CV 50sq/3Cx1L(24M)
M
3.3KV 360HP HIGH SERVICE PUMP #5
3.3KV 600HP HIGH SERVICE PUMP #4
3.3KV 600HP HIGH SERVICE PUMP #3
3.3KV 600HP HIGH SERVICE PUMP #2
3.3KV 600HP HIGH SERVICE PUMP #1



VTS 외형도 및 DIAGRAM

3.3KV 제3송수 펌프장 결선도(신설)

SCALE : NONE

사 업 명 PROJECT TITLE
부평정수사업소
제3송수펌프장 2중화구축사업
실시설계용역

NOTE

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엔 지 니 어 링 업 제 E - 6 - 899 호
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대 표 이 사 : 김 종 현(인)

설 계 DATE 2022. 04.
도 면 DRAWN BY
검 토 CHECKED BY
승 인 APPROVED BY
도 면 명 DRAWING TITLE
축 척 SCALE A1 : NONE A3 : NONE
도면번호 DRAWING NO.
일련번호 SHEET NO.