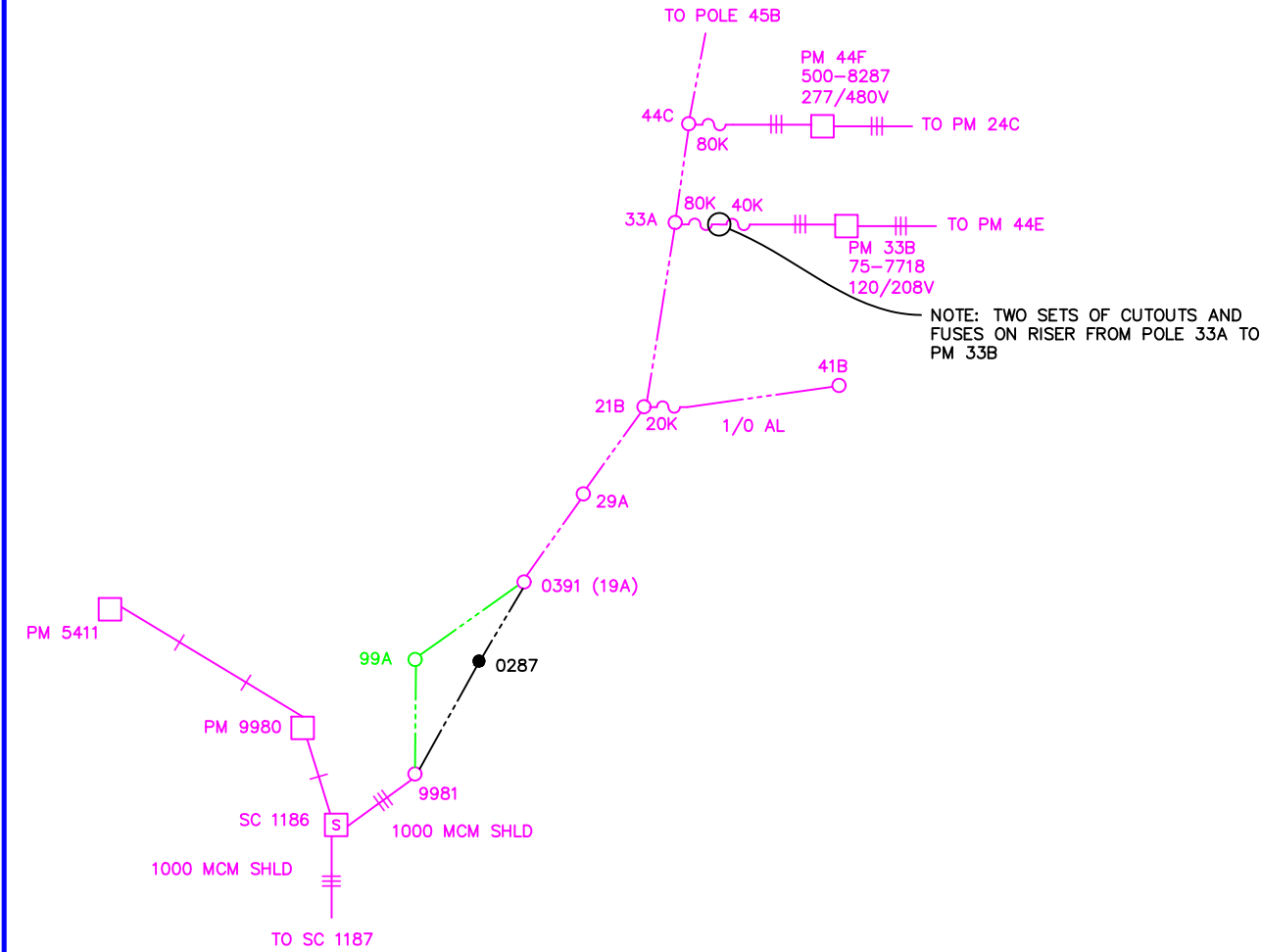
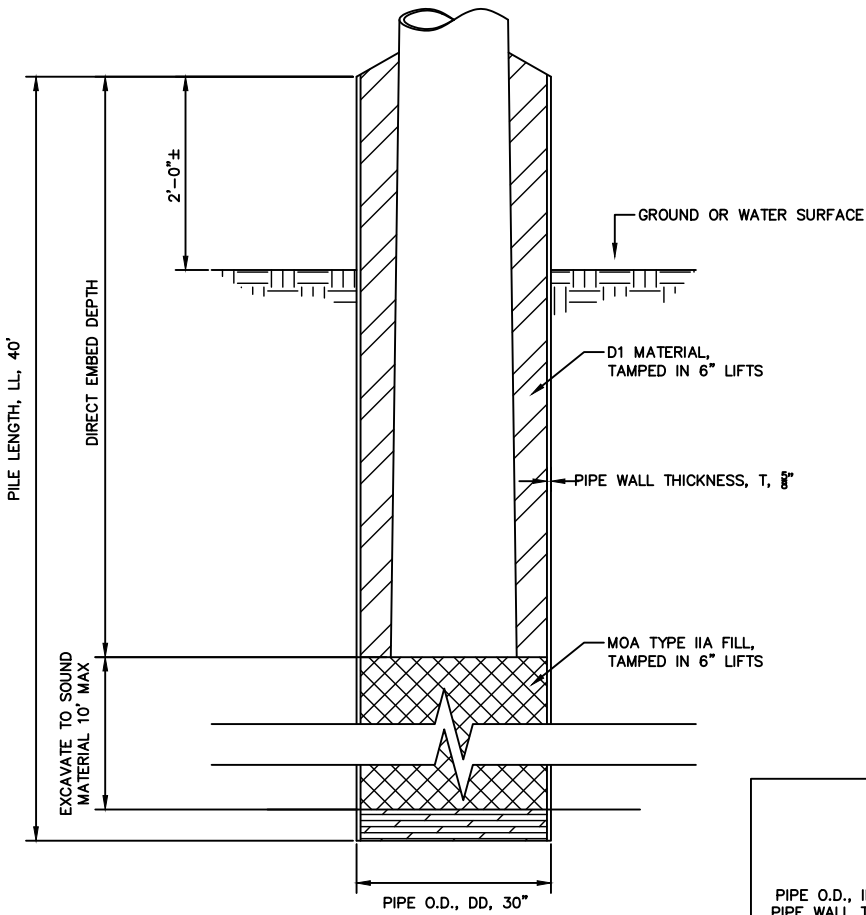


NOTE: ALL OVERHEAD CONDUCTORS ARE 397 ACSR UNLESS OTHERWISE SPECIFIED
ALL UNDERGROUND CONDUCTORS ARE 1/0 SHLD UNLESS OTHERWISE SPECIFIED
ALL CIRCUITS SHOWN ARE NIKKELS SUBSTATION BKR 630 35 KV DISTRIBUTION
NOT TO SCALE

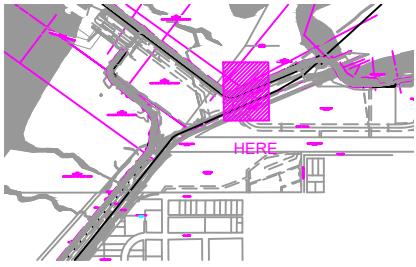


PRIMARY CIRCUIT DIAGRAM



PEDDXT-LL
DRIVEN PIPE PILE FOUNDATION
W/ DIRECT EMBED POLE

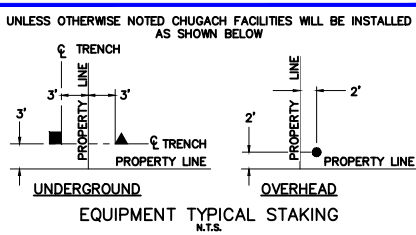
NOMENCLATURE:
PEDDXT-LL
PIPE O.D., INCHES
PIPE WALL THICKNESS
1/8" INCHES
PILE LENGTH, FT
EXAMPLE: PE30X5-30 IS A 30"
O.D. X .625" WALL AND 30' LONG



VICINITY KEY MAP
N.T.S.

LEGEND		DESC.
NEW	EXISTING	
		VAULT
		JUNCTION BOX
		SWITCH CABINET
		PULLBOX
		PADMOUNT XFMR
		FUSED JUNCTION BOX
		PRIMARY METER
		HANDHOLE
		PEDESTAL
		NON-CEA POLE
		POLE
		LIGHT
		DOWN GUY
		FUSE
		SPLICE POINT
		1Ø OH XFMR
		DELTA OH XFMR
		3Ø OH XFMR
		FIBER OPTIC
		O.H. XMSSN
		U.G. XMSSN
		SPAN GUY
		CONDUIT DIAMETER
		1Ø U.G. PRIMARY
		2Ø U.G. PRIMARY
		3Ø U.G. PRIMARY
		U.G. SECONDARY
		U.G. SERVICE
		1Ø O.H. PRIMARY
		2Ø O.H. PRIMARY
		3Ø O.H. PRIMARY
		R.O.W. EASEMENT LINE
		CENTERLINE OF TRENCH

COLOR LEGEND	
	NEW
	REFERENCE
	EXISTING
	RETIRE
	ABANDON



PROJECT: AMATS TRAIL CONNECTION RELO - SOA			
DESIGNER/PROJECT ENGINEER: ELIJAH COOK		W.O. #: E2514367	
NO.	DESIGN/CONSTRUCTION/AS-BUILT REVISION	DWN BY/DATE	APPROVED/DATE
0	ISSUE FOR FINAL	EC 7/1/26	7/9/26

ENG. STAMP



Chugach Electric Association, Inc.
5601 Electron Drive - P.O. Box 196300
Anchorage, Alaska 99519-6300

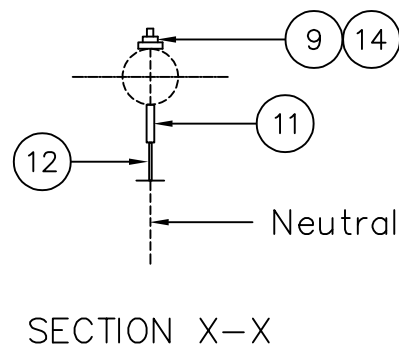
DRAWING NAME:

AMATS TRAIL CONNECTION
RELO - SOA
1230A / 1303-18
NIKKELS SUBSTATION BKR 630

W.O. NO.:

E2514367

E2514367 DRAWNGS.dwg



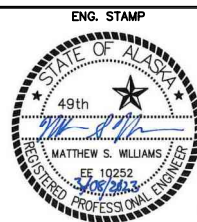
MATERIAL LIST			
Item	Quantity	CEA	Description
	SZC7A	Part Number	
1	3	M7510	INSULATOR, DEAD END, POLYMER, 35KV
2	2	—	BOLT, MACHINE, 3/4" X REQ'D LENGTH
3	3	—	SHACKLE, ANCHOR, 3/4"
4	1	M13300	FIBERGLASS CROSSARM ASSEMBLY & MTG. HARDWARE
5	3	M5770	COMPRESSION DEADEND, SINGLE TONGUE, 397 ACSR "IBIS"
6	1	—	BOLT, MACHINE, 5/8" X REQ'D LENGTH
7	1	—	BOLT, OVAL EYE, 3/4" X REQ'D LENGTH
8	1	—	WASHER, CURVED, 4" SQ. X 3/8", 13/16" HOLE
9	2	—	WASHER, CURVED, 2 1/4" SQ. X 3/16", 11/16" HOLE
10	2	—	WASHER, CURVED, 2 1/4" SQ. X 3/16", 13/16" HOLE
11	1	—	BOLT, OVAL EYE, 5/8" X REQUIRED LENGTH
12	1	M5770	DEADEND ASSEMBLY, NEUTRAL
13	AR	—	LOCKNUTS, 3/4"
14	AR	—	LOCKNUTS, 5/8"

MAX. LOAD	
STRUCTURE	WIRE TENSION
SZC7A	7120 lbs.
LIMITED	CROSSARM

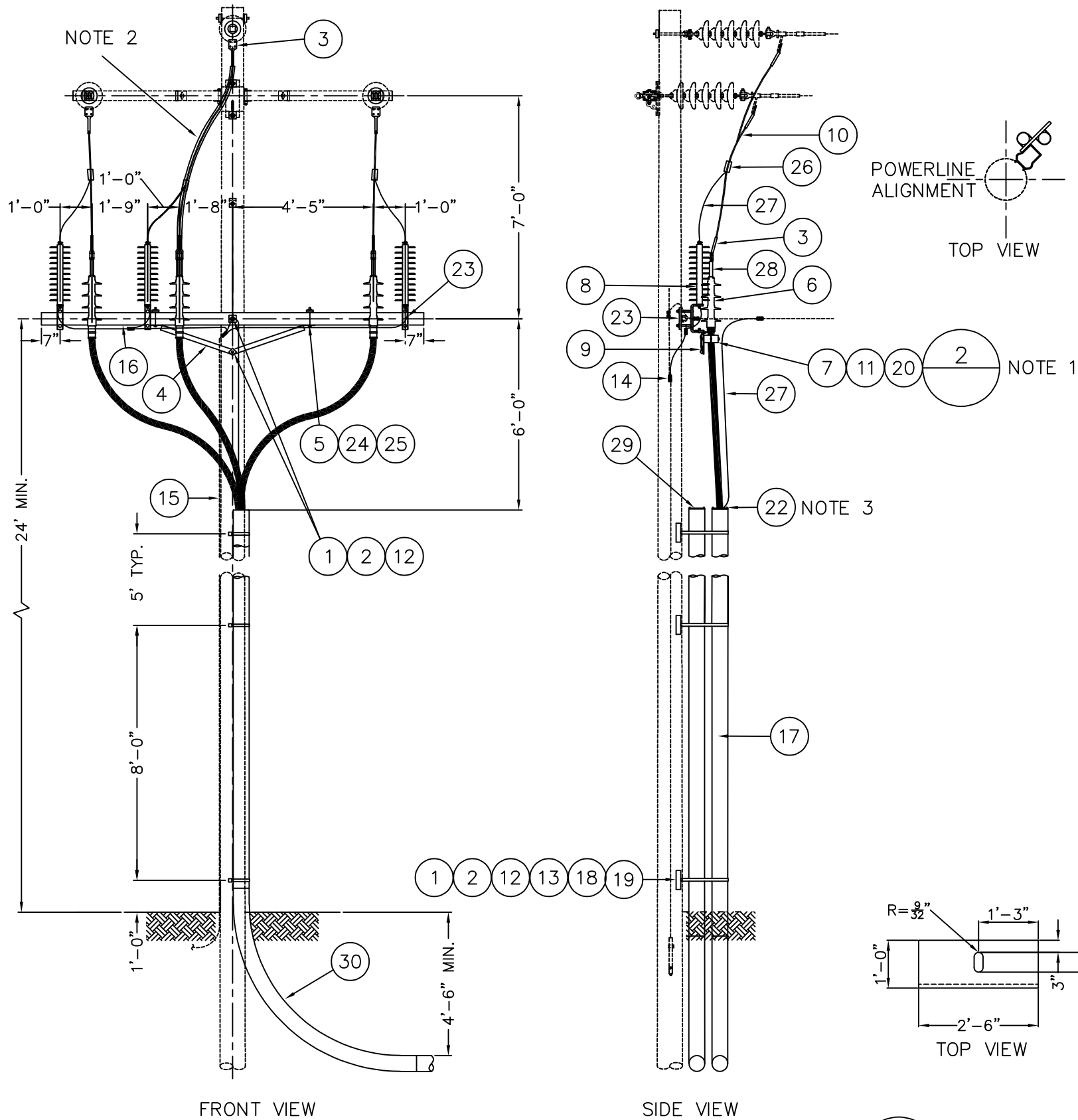
 **electric Power Systems**
Consulting Engineers INC.
3305 ARCTIC BLVD, STE 201, ANCHORAGE, AK 99503
CERTIFICATE OF AUTHORIZATION: AECC 738

34.5 kV
SZC7A
CROSSARM CONSTRUCTION
DEADEND (SINGLE)

W.O. NO.: _____ SZC/A.DWG
 C.W.P. REF. NO.: _____ SHEET 1 OF 1

[illegible]

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Anchorage, Alaska 99519-6300



SZUC3 RISER ASSEMBLY
NTS

CABLE BRACKET MOUNTING PLATE
NTS

MATERIAL LIST				
Item	Quantity		CEA Part Number	Description
	SZUC3	SZUC3L		
1	7	8	—	BOLT, MACHINE, 5/8" x REQ'D LENGTH
2	AR	AR	—	LOCKNUT, 5/8"
3	6	6	M52570	COMPRESSION TERMINAL CONNECTOR, 397kcmil ACSR W/BOLTS
4	1	1	M13640	BRACE, CROSS ARM, STEEL 18" DROP, 60" SPAN
5	AR	AR	—	LOCKNUT, 1/2"
6	3	3	M35590	TERMINATION, 35kV, OUTDOOR, FOR 1000 MCM CU JCN CONDUCTOR
7	3	3	15860	CABLE SUPPORT BRACKET WITH BOLTS
8	3	3	18950	SURGE ARRESTOR, 35kV, OUTDOOR
9	3	3	—	BRONZE GROUNDING CLAMP, FLAT TO CABLE FOR #4 SOL-300 MCM COPPER WIRE
10	AR	AR	M2390	JUMPER, 397 ACSR
11	3	3	18949	CABLE BRACKET MOUNTING PLATE (FABRICATED)
12	7	8	—	WASHER, 2-1/4" SQUARE, WITH 11/16" HOLE
13	5	6	—	SCREW, LAG, 1/2 x 4"
14	AR	AR	—	CONNECTOR, COMPRESSION, #2 BARE COPPER, SOLID
15	AR	AR	—	STAPLE
16	1	1	—	CROSSARM, 4-5/8" x 5-5/8" x 12'-0" (CONTRACTOR SUPPLIED)
17	25'	35'	19880	FIBERGLASS CONDUIT, 6", HEAVY WALL
18	10	14	M46180	STRAP, CONDUIT
19	5	7	M46130	BRACKET, STAND-OFF, 24" LONG
20	3	3	—	CABLE, TAG
21	AR	AR	M1160	#2 BARE COPPER, SOLID
22	1	1	—	DUXSEAL
23	6	6	—	BRACKET, CROSSARM, NEMA B
24	2	2	—	BOLT, MACHINE, 1/2" x REQ'D LENGTH
25	2	2	—	WASHER, ROUND, 9/16" HOLE 1 3/8"Ø
26	AR	AR	—	H-TAP 397 ACSR TO 4/0 COPPER
27	AR	AR	M1180	#4/0 BARE STRANDED COPPER
28	3	3	M52580	COMPRESSION TERMINAL, BIMETALLIC, NEMA 4 HOLE FOR 1000 MCM COPPER CABLE
29	1	1	—	THERMOPLASTIC CAPPLUG, 6" IPS
30	2	2	4173	FIBERGLASS SWEEP, HEAVY WALL, 6", 90°, 60" RADIUS

- NOTES:
- TAG TERMINATIONS PER STAG-2
 - WRAP TOP OF TERMINATION AND LOWER 36" OF JUMPER AND ARRESTOR LEAD WITH FUSABLE TAPE (CENTER PHASE ONLY)
 - SEAL TOP OF CONDUIT WITH DUXSEAL OR EQUIVALENT



PROJECT: 35kV DISTRIBUTION CONSTRUCTION UNITS				
DESIGNER/PROJECT ENGINEER: MATT WILLIAMS				
W.O. #:				
NO.	DESIGN/CONSTRUCTION/ASBUILT REVISION	DWN BY/DATE	REVIEWED (MGR/SUPV)/DATE	APPROVED (DIRECTOR)/DATE
0	ISSUED FOR CONSTRUCTION	MAP/03-07-23	MSW/03-07-23	



Chugach Electric Association, Inc.
5601 Electron Drive - P.O. Box 196300
Anchorage, Alaska 99519-6300

DRAWING NAME:		34.5 kV SZUC3 THREE PHASE RISER TERMINAL POLE
W.O. NO.:	C.W.P. REF. NO.:	
SZUC3.DWG		SHEET 1 OF 1