

**JOB INVENTORY AND MATERIAL LIST**

**CLSP TRIANGLE AREA NH1B**  
**Rule 15,16**

LATHROP

**PM# 31352406**

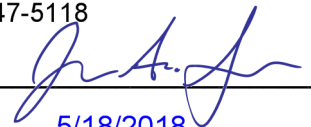
5/16/2018

**PG&E APPLICANT DESIGN APPROVAL**

PG&E Plan Check does not release the Applicant from responsibility to construct the facilities according to PG&E Standards. In the event of a conflict during construction between PG&E Standards and the plans, PG&E Standards will control.

Electric ADE: Jason Salas  
Desk Phone: 559-347-5118

Approval Signature: \_\_\_\_\_



Approval Date: \_\_\_\_\_

5/18/2018



(559) 575-8221

GDSI 17-033

*Project Manager: ARNOLD SAENZ - GDSI*

*Designed by: CLIFF LOPES*

Qty	Unit	Code	Job Instructions
			<b>All Work is RULE 15 Unless Otherwise Specified</b>
			<b>INSTALL LOC 1</b>
65	FT	29-4372	CBL, 350AL TPX, 600V, XLP
4	EA	38-4200	CAP CABLE PERM,600V, 350ALUM
2	EA	38-4199	CAP CABLE PERM,600V, 4/0ALUM
2	EA	50-0117	FRONT END PULL PACK,4-6"
50	FT	01-6472	CONDUIT,PVC, 4", DB
2	EA	36-0423	BELL END, CNDT, 4"
2	EA	36-0443	CAP,CNDT,TEMP DB 4"
2	EA	36-0761	BEND,CONDUIT,DB, 4", 22DEG, 60"R
2	EA	36-0414	BEND,CNDT,DB, 4", 90DEG, 36"R
			<b>INSTALL LOC 2</b>
1	EA	26-1503	TX,1PH PM DF,100KVA,21,1W 120/240
1	EA	labor only	SET UP, PULL CABLE
1	EA	30-0486	BUSHING WELL PLUG 200AMP
1	EA	30-0481	BUSHING INSERT, LB,200A
1	EA	30-0480	ELBOW RECEPTACLE,LB,25KV 1/0AL
1	EA	<b>Assy</b>	<b>3 SLIP-FIT CONN'S &amp; MISC MATL FOR DF TFR (9 items)</b>
1	EA	36-0001	BOXPAD,1PH DF TX,36X52X18 1-W
1	EA	<b>Assy</b>	<b>PAD MTD.TX.GROUND W/2 GROUND RODS (3 items)</b>
			<b>INSTALL LOC 3</b>
64	FT	29-4372	CBL, 350AL TPX, 600V, XLP
4	EA	38-4200	CAP CABLE PERM,600V, 350ALUM
2	EA	38-4199	CAP CABLE PERM,600V, 4/0ALUM
2	EA	50-0117	FRONT END PULL PACK,4-6"
50	FT	01-6472	CONDUIT,PVC, 4", DB
2	EA	36-0423	BELL END, CNDT, 4"
2	EA	36-0443	CAP,CNDT,TEMP DB 4"
2	EA	36-0761	BEND,CONDUIT,DB, 4", 22DEG, 60"R
2	EA	36-0414	BEND,CNDT,DB, 4", 90DEG, 36"R
			<b>INSTALL LOC 4</b>
3	EA	30-0552	6 TERM (6 SML) AL SEC BUS CONN (#6 to 350al) (RULE 15)
1	EA	04-0937	BOX ASSY, 17X30x26" FBGL (RULE 15)
			<b>INSTALL LOC 5</b>
129	FT	29-4371	CBL, 4/0AL TPX, 600V, XLP REEL
4	EA	38-4199	CAP CABLE PERM,600V, 4/0ALUM
2	EA	38-4198	CAP CABLE PERM,600V, 1/0ALUM
2	EA	50-0118	FRONT END PULL PACK,2-3"
115	FT	01-6471	CONDUIT,PVC, 3", DB
2	EA	36-0421	BELL END, CONDUIT, 3"
2	EA	36-0441	CAP,CONDUIT,TEMP DB 3"
2	EA	36-0800	BEND,CONDUIT,DB, 3", 22DEG, 36"R
2	EA	36-0328	BEND,CNDT,DB, 3", 90DEG, 36"R
			<b>INSTALL LOC 6</b>

Qty	Unit	Code	Job Instructions
3	EA	30-0552	6 TERM (6 SML) AL SEC BUS CONN (#6 to 350al) (RULE 15)
1	EA	04-0936	BOX ASSM, 17X30X18 FBGL (RULE 15)
			<b>INSTALL LOC 7</b>
374	FT	29-0027	1-1/0AL 22KV EPR-CONC-ENCAP-PE
2	EA	38-4202	CABLE PERM CAP,25KV,1/0 EPR-CONC
2	EA	50-0118	LUBE,CABLE PULL,FRT END PK,2-3"
360	FT	36-0153	CONDUIT,PVC, 2", DB
2	EA	36-0420	BELL END, CONDUIT, 2" DB
2	EA	36-0440	CAP,CONDUIT,TEMP DB 2"
2	EA	36-0158	BEND,CONDUIT,DB, 2", 22DEG, 36"R
2	EA	36-0162	BEND,CONDUIT,DB, 2", 90DEG, 36"R
			<b>INSTALL LOC 8</b>
3	EA	30-0553	8 TERM (8 SML) AL SEC BUS CONN (#6 to 350al) (RULE 15)
1	EA	04-0940	BOX ASSY, 24X36x18" FBGL (RULE 15)
			<b>INSTALL LOC 9</b>
75	FT	29-4371	CBL, 4/0AL TPX, 600V, XLP REEL
4	EA	38-4199	CAP CABLE PERM,600V, 4/0ALUM
2	EA	38-4198	CAP CABLE PERM,600V, 1/0ALUM
2	EA	50-0118	FRONT END PULL PACK,2-3"
60	FT	01-6471	CONDUIT,PVC, 3", DB
2	EA	36-0421	BELL END, CONDUIT, 3"
2	EA	36-0441	CAP,CONDUIT,TEMP DB 3"
2	EA	36-0800	BEND,CONDUIT,DB, 3", 22DEG, 36"R
2	EA	36-0328	BEND,CNDT,DB, 3", 90DEG, 36"R
			<b>INSTALL LOC 10</b>
1	EA	26-1503	TX,1PH PM DF,100KVA,21,1W 120/240
1	EA	36-0069	FAULT IND, 200A, LD(#2-4/0) 1W
2	EA	30-0481	BUSHING INSERT, LB,200A
2	EA	30-0480	ELBOW RECEPTACLE,LB,25KV 1/0AL
1	EA	<b>Assy</b>	<b>3 SLIP-FIT CONN'S &amp; MISC MATL FOR DF TFR (9 items)</b>
1	EA	36-0001	BOXPAD,1PH DF TX,36X52X18 1-W
1	EA	<b>Assy</b>	<b>PAD MTD.TX.GROUND W/2 GROUND RODS (3 items)</b>
			<b>INSTALL LOC 11</b>
75	FT	29-4372	CBL, 350AL TPX, 600V, XLP
4	EA	38-4200	CAP CABLE PERM,600V, 350ALUM
2	EA	38-4199	CAP CABLE PERM,600V, 4/0ALUM
2	EA	50-0117	FRONT END PULL PACK,4-6"
60	FT	01-6472	CONDUIT,PVC, 4", DB
2	EA	36-0423	BELL END, CNDT, 4"
2	EA	36-0443	CAP,CNDT,TEMP DB 4"
2	EA	36-0761	BEND,CONDUIT,DB, 4", 22DEG, 60"R
2	EA	36-0414	BEND,CNDT,DB, 4", 90DEG, 36"R
			<b>INSTALL LOC 12</b>
3	EA	30-0553	8 TERM (8 SML) AL SEC BUS CONN (#6 to 350al) (RULE 15)

Qty	Unit	Code	Job Instructions
1	EA	04-0942	BOX ASSY, 24X36X26" (RULE 15)
			<b>INSTALL LOC 13</b>
140	FT	36-0153	CONDUIT,PVC, 2", DB
1	EA	36-0321	COUPLING,CONDUIT, 2" DB
2	EA	36-0158	BEND,CONDUIT,DB, 2", 22DEG, 36"R
1	EA	36-0443	CAP,CONDUIT,TEMP DB 4"
1	EA	01-8585	SWEDGE REDUCER, 3" X 2" DB
1	EA	36-0322	COUPLING,CONDUIT, 3" DB
1	EA	01-8584	SWEDGE REDUCER, 3" X 4" DB
			<b>INSTALL LOC 14</b>
130	FT	29-4372	CBL, 350AL TPX, 600V, XLP
4	EA	38-4200	CAP CABLE PERM,600V, 350ALUM
2	EA	38-4199	CAP CABLE PERM,600V, 4/0ALUM
2	EA	50-0117	FRONT END PULL PACK,4-6"
115	FT	01-6472	CONDUIT,PVC, 4", DB
2	EA	36-0423	BELL END, CNDDT, 4"
2	EA	36-0443	CAP,CNDDT,TEMP DB 4"
2	EA	36-0761	BEND,CONDUIT,DB, 4", 22DEG, 60"R
2	EA	36-0414	BEND,CNDDT,DB, 4", 90DEG, 36"R
			<b>INSTALL LOC 15</b>
3	EA	30-0552	6 TERM (6 SML) AL SEC BUS CONN (#6 to 350al) (RULE 15)
1	EA	04-0937	BOX ASSY, 17X30x26" FBGL (RULE 15)
			<b>INSTALL LOC 16</b>
270	FT	36-0153	CONDUIT,PVC, 2", DB
1	EA	36-0321	COUPLING,CONDUIT, 2" DB
2	EA	36-0158	BEND,CONDUIT,DB, 2", 22DEG, 36"R
1	EA	36-0443	CAP,CONDUIT,TEMP DB 4"
1	EA	01-8585	SWEDGE REDUCER, 3" X 2" DB
1	EA	36-0322	COUPLING,CONDUIT, 3" DB
1	EA	01-8584	SWEDGE REDUCER, 3" X 4" DB
			<b>INSTALL LOC 17</b>
356	FT	29-0027	1-1/0AL 22KV EPR-CONC-ENCAP-PE
2	EA	38-4202	CABLE PERM CAP,25KV,1/0 EPR-CONC
2	EA	50-0118	LUBE,CABLE PULL,FRT END PK,2-3"
325	FT	36-0153	CONDUIT,PVC, 2", DB
1	EA	36-0420	BELL END, CONDUIT, 2" DB
1	EA	36-0440	CAP,CONDUIT,TEMP DB 2"
3	EA	36-0158	BEND,CONDUIT,DB, 2", 22DEG, 36"R
1	EA	36-0162	BEND,CONDUIT,DB, 2", 90DEG, 36"R
1	EA	36-0443	CAP,CONDUIT,TEMP DB 4"
1	EA	01-8585	SWEDGE REDUCER, 3" X 2" DB
1	EA	36-0322	COUPLING,CONDUIT, 3" DB
1	EA	01-8584	SWEDGE REDUCER, 3" X 4" DB
			<b>INSTALL LOC 18</b>

Qty	Unit	Code	Job Instructions
124	FT	29-4371	CBL, 4/0AL TPX, 600V, XLP REEL
4	EA	38-4199	CAP CABLE PERM,600V, 4/0ALUM
2	EA	38-4198	CAP CABLE PERM,600V, 1/0ALUM
2	EA	50-0118	FRONT END PULL PACK,2-3"
110	FT	01-6471	CONDUIT,PVC, 3", DB
2	EA	36-0421	BELL END, CONDUIT, 3"
2	EA	36-0441	CAP,CONDUIT,TEMP DB 3"
2	EA	36-0800	BEND,CONDUIT,DB, 3", 22DEG, 36"R
2	EA	36-0328	BEND,CNDT,DB, 3", 90DEG, 36"R
			<b>INSTALL LOC 19</b>
145	FT	36-0153	CONDUIT,PVC, 2", DB
1	EA	36-0321	COUPLING,CONDUIT, 2" DB
2	EA	36-0158	BEND,CONDUIT,DB, 2", 22DEG, 36"R
1	EA	36-0443	CAP,CONDUIT,TEMP DB 4"
1	EA	01-8585	SWEDGE REDUCER, 3" X 2" DB
1	EA	36-0322	COUPLING,CONDUIT, 3" DB
1	EA	01-8584	SWEDGE REDUCER, 3" X 4" DB
			<b>INSTALL LOC 20</b>
1	EA	labor only	SET UP, PULL CABLE
1	EA	02-5601	BOX ASSM, 3X5X3.5 SP/EQ, IVT
1	EA	01-0098	GROUND ROD, 12'
			<b>INSTALL LOC 21</b>
3	EA	30-0552	6 TERM (6 SML) AL SEC BUS CONN (#6 to 350al) (RULE 15)
1	EA	04-0936	BOX ASSM, 17X30X18 FBGL (RULE 15)
			<b>INSTALL LOC 22</b>
1	EA	labor only	SET UP, PULL CABLE
1	EA	<b>Assy</b>	<b>1/0 AL 25KV 200A PREMOLD STR SPLICE (2 items)</b>
2	EA	36-2615	CABLE RACK SUPPORT KIT (KIT #1) (COMPLETE KIT)
1	EA	02-5601	BOX ASSM, 3X5X3.5 SP/EQ, IVT
1	EA	01-0098	GROUND ROD, 12'
1	EA	<b>Assy</b>	<b>GROUND MATERIAL,PRIMARY SPLICE BOX (3 ITEMS)</b>
			<b>INSTALL LOC 23</b>
441	FT	29-0027	1-1/0AL 22KV EPR-CONC-ENCAP-PE
2	EA	38-4202	CABLE PERM CAP,25KV,1/0 EPR-CONC
2	EA	50-0118	LUBE,CABLE PULL,FRT END PK,2-3"
410	FT	36-0153	CONDUIT,PVC, 2", DB
1	EA	36-0420	BELL END, CONDUIT, 2" DB
1	EA	36-0440	CAP,CONDUIT,TEMP DB 2"
3	EA	36-0158	BEND,CONDUIT,DB, 2", 22DEG, 36"R
2	EA	36-0162	BEND,CONDUIT,DB, 2", 90DEG, 36"R
1	EA	36-0443	CAP,CONDUIT,TEMP DB 4"
1	EA	01-8585	SWEDGE REDUCER, 3" X 2" DB
1	EA	36-0322	COUPLING,CONDUIT, 3" DB
1	EA	01-8584	SWEDGE REDUCER, 3" X 4" DB

Qty	Unit	Code	Job Instructions
<b>INSTALL LOC 24</b>			
1	EA	labor only	SET UP, PULL CABLE (RULE 15)
3	EA	30-0588	SS J-BOX,4-WAY,LB,200A W/MTG BK (RULE 2)
1	EA	<b>Assy</b>	<b>HARDWARE,MTG,1 JUNCTION BOX,3 OR 4WAY (6 items)(RULE 2)</b>
3	EA	30-0480	ELBOW RECEPTACLE,LB,25KV 1/0AL (RULE 15)
3	EA	36-0069	FAULT IND, 200A, LD(#2-4/0) 1W (RULE 2)
1	EA	36-0071	3-TO-1 CABLE FOR REMOTE IND (RULE 2)
1	EA	01-8799	FAULT IND, MOUNT KIT, SS APPL. (RULE 2)
1	EA	04-1495	BOX ASSY, 4' X 6.5 X 5' EQ, IVT (EQUIP). (RULE 2)
1	EA	01-0098	GROUND ROD, 12' (RULE 2)
1	EA	<b>Assy</b>	<b>GROUND MATERIAL,PRIMARY SPLICE BOX (3 ITEMS) (RULE 2)</b>
<b>INSTALL LOC 25</b>			
3	EA	30-0552	6 TERM (6 SML) AL SEC BUS CONN (#6 to 350al) (RULE 15)
1	EA	04-0936	BOX ASSM, 17X30X18 FBGL (RULE 15)
<b>INSTALL LOC 26</b>			
155	FT	29-4371	CBL, 4/0AL TPX, 600V, XLP REEL
4	EA	38-4199	CAP CABLE PERM,600V, 4/0ALUM
2	EA	38-4198	CAP CABLE PERM,600V, 1/0ALUM
2	EA	50-0118	FRONT END PULL PACK,2-3"
140	FT	01-6471	CONDUIT,PVC, 3", DB
2	EA	36-0421	BELL END, CONDUIT, 3"
2	EA	36-0441	CAP,CONDUIT,TEMP DB 3"
2	EA	36-0800	BEND,CONDUIT,DB, 3", 22DEG, 36"R
3	EA	36-0328	BEND,CNDT,DB, 3", 90DEG, 36"R
<b>INSTALL LOC 27</b>			
270	FT	36-0153	CONDUIT,PVC, 2", DB
2	EA	36-0158	BEND,CONDUIT,DB, 2", 22DEG, 36"R
1	EA	36-0162	BEND,CONDUIT,DB, 2", 90DEG, 36"R
1	EA	36-0443	CAP,CONDUIT,TEMP DB 4"
1	EA	01-8585	SWEDGE REDUCER, 3" X 2" DB
1	EA	36-0322	COUPLING,CONDUIT, 3" DB
1	EA	01-8584	SWEDGE REDUCER, 3" X 4" DB
1	EA	37-4945	EMS MARKER,BALL,RED-MAX 5'DEEP-
<b>INSTALL LOC 28</b>			
352	FT	29-0027	1-1/0AL 22KV EPR-CONC-ENCAP-PE
2	EA	38-4202	CABLE PERM CAP,25KV,1/0 EPR-CONC
2	EA	50-0118	LUBE,CABLE PULL,FRT END PK,2-3"
300	FT	36-0153	CONDUIT,PVC, 2", DB
4	EA	36-0158	BEND,CONDUIT,DB, 2", 22DEG, 36"R
2	EA	36-0162	BEND,CONDUIT,DB, 2", 90DEG, 36"R
2	EA	36-0443	CAP,CONDUIT,TEMP DB 4"
2	EA	01-8585	SWEDGE REDUCER, 3" X 2" DB
2	EA	36-0322	COUPLING,CONDUIT, 3" DB
2	EA	01-8584	SWEDGE REDUCER, 3" X 4" DB

Qty	Unit	Code	Job Instructions
<b>INSTALL LOC 29</b>			
352	FT	29-0027	1-1/0AL 22KV EPR-CONC-ENCAP-PE
2	EA	38-4202	CABLE PERM CAP,25KV,1/0 EPR-CONC
2	EA	50-0118	LUBE,CABLE PULL,FRT END PK,2-3"
300	FT	36-0153	CONDUIT,PVC, 2", DB
4	EA	36-0158	BEND,CONDUIT,DB, 2", 22DEG, 36"R
2	EA	36-0162	BEND,CONDUIT,DB, 2", 90DEG, 36"R
2	EA	36-0443	CAP,CONDUIT,TEMP DB 4"
2	EA	01-8585	SWEDGE REDUCER, 3" X 2" DB
2	EA	36-0322	COUPLING,CONDUIT, 3" DB
2	EA	01-8584	SWEDGE REDUCER, 3" X 4" DB
<b>INSTALL LOC 30</b>			
1	EA	labor only	SET UP, PULL CABLE
2	EA	<b>Assy</b>	<b>1/0 AL 25KV 200A PREMOLD STR SPLICE (2 items)</b>
4	EA	36-2615	CABLE RACK SUPPORT KIT (KIT #1) (COMPLETE KIT)
1	EA	02-5601	BOX ASSM, 3X5X3.5 SP/EQ, IVT
1	EA	01-0098	GROUND ROD, 12'
1	EA	<b>Assy</b>	<b>GROUND MATERIAL,PRIMARY SPLICE BOX (3 ITEMS)</b>
<b>INSTALL LOC 31</b>			
281	FT	29-0027	1-1/0AL 22KV EPR-CONC-ENCAP-PE
2	EA	38-4202	CABLE PERM CAP,25KV,1/0 EPR-CONC
2	EA	50-0118	LUBE,CABLE PULL,FRT END PK,2-3"
250	FT	36-0153	CONDUIT,PVC, 2", DB
2	EA	36-0440	CAP,CONDUIT,TEMP DB 2"
3	EA	36-0158	BEND,CONDUIT,DB, 2", 22DEG, 36"R
2	EA	36-0162	BEND,CONDUIT,DB, 2", 90DEG, 36"R
1	EA	36-0443	CAP,CONDUIT,TEMP DB 4"
1	EA	01-8585	SWEDGE REDUCER, 3" X 2" DB
1	EA	36-0322	COUPLING,CONDUIT, 3" DB
1	EA	01-8584	SWEDGE REDUCER, 3" X 4" DB
<b>INSTALL LOC 32</b>			
3	EA	30-0553	8 TERM (8 SML) AL SEC BUS CONN (#6 to 350al) (RULE 15)
1	EA	04-0940	BOX ASSY, 24X36x18" FBGL (RULE 15)
<b>INSTALL LOC 33</b>			
75	FT	29-4371	CBL, 4/0AL TPX, 600V, XLP REEL
4	EA	38-4199	CAP CABLE PERM,600V, 4/0ALUM
2	EA	38-4198	CAP CABLE PERM,600V, 1/0ALUM
2	EA	50-0118	FRONT END PULL PACK,2-3"
60	FT	01-6471	CONDUIT,PVC, 3", DB
2	EA	36-0421	BELL END, CONDUIT, 3"
2	EA	36-0441	CAP,CONDUIT,TEMP DB 3"
2	EA	36-0800	BEND,CONDUIT,DB, 3", 22DEG, 36"R
2	EA	36-0328	BEND,CNDT,DB, 3", 90DEG, 36"R
<b>INSTALL LOC 34</b>			

Qty	Unit	Code	Job Instructions
1	EA	26-1503	TX,1PH PM DF,100KVA,21,1W 120/240
1	EA	36-0069	FAULT IND, 200A, LD(#2-4/0) 1W
2	EA	30-0481	BUSHING INSERT, LB,200A
2	EA	30-0480	ELBOW RECEPTACLE, LB,25KV 1/0AL
1	EA	<b>Assy</b>	<b>3 SLIP-FIT CONN'S &amp; MISC MATL FOR DF TFR (9 items)</b>
1	EA	36-0001	BOXPAD,1PH DF TX,36X52X18 1-W
1	EA	<b>Assy</b>	<b>PAD MTD.TX.GROUND W/2 GROUND RODS (3 items)</b>
			<b>INSTALL LOC 35</b>
74	FT	29-4372	CBL, 350AL TPX, 600V, XLP
4	EA	38-4200	CAP CABLE PERM,600V, 350ALUM
2	EA	38-4199	CAP CABLE PERM,600V, 4/0ALUM
2	EA	50-0117	FRONT END PULL PACK,4-6"
60	FT	01-6472	CONDUIT,PVC, 4", DB
2	EA	36-0423	BELL END, CNDT, 4"
2	EA	36-0443	CAP,CNDT,TEMP DB 4"
2	EA	36-0761	BEND,CONDUIT,DB, 4", 22DEG, 60"R
2	EA	36-0414	BEND,CNDT,DB, 4", 90DEG, 36"R
			<b>INSTALL LOC 36</b>
3	EA	30-0552	6 TERM (6 SML) AL SEC BUS CONN (#6 to 350al) (RULE 15)
1	EA	04-0937	BOX ASSY, 17X30x26" FBGL (RULE 15)
			<b>INSTALL LOC 37</b>
3	EA	30-0553	8 TERM (8 SML) AL SEC BUS CONN (#6 to 350al) (RULE 15)
1	EA	04-0942	BOX ASSY, 24X36X26" (RULE 15)
			<b>INSTALL LOC 38</b>
130	FT	29-4371	CBL, 4/0AL TPX, 600V, XLP REEL
4	EA	38-4199	CAP CABLE PERM,600V, 4/0ALUM
2	EA	38-4198	CAP CABLE PERM,600V, 1/0ALUM
2	EA	50-0118	FRONT END PULL PACK,2-3"
115	FT	01-6471	CONDUIT,PVC, 3", DB
2	EA	36-0421	BELL END, CONDUIT, 3"
2	EA	36-0441	CAP,CONDUIT,TEMP DB 3"
2	EA	36-0800	BEND,CONDUIT,DB, 3", 22DEG, 36"R
2	EA	36-0328	BEND,CNDT,DB, 3", 90DEG, 36"R
			<b>INSTALL LOC 39</b>
3	EA	30-0552	6 TERM (6 SML) AL SEC BUS CONN (#6 to 350al) (RULE 15)
1	EA	04-0936	BOX ASSM, 17X30X18 FBGL (RULE 15)
			<b>INSTALL LOC 40</b>
3	EA	30-0553	8 TERM (8 SML) AL SEC BUS CONN (#6 to 350al) (RULE 15)
1	EA	04-0942	BOX ASSY, 24X36X26" (RULE 15)
			<b>INSTALL LOC 41</b>
190	FT	29-4372	CBL, 350AL TPX, 600V, XLP
4	EA	38-4200	CAP CABLE PERM,600V, 350ALUM
2	EA	38-4199	CAP CABLE PERM,600V, 4/0ALUM
2	EA	50-0117	FRONT END PULL PACK,4-6"



Qty	Unit	Code	Job Instructions
175	FT	01-6472	CONDUIT,PVC, 4", DB
2	EA	36-0423	BELL END, CNDDT, 4"
2	EA	36-0443	CAP,CNDDT,TEMP DB 4"
2	EA	36-0761	BEND,CONDUIT,DB, 4", 22DEG, 60"R
2	EA	36-0414	BEND,CNDDT,DB, 4", 90DEG, 36"R
			<b>INSTALL LOC 42</b>
1	EA	26-1503	TX,1PH PM DF,100KVA,21,1W 120/240
1	EA	30-0486	BUSHING WELL PLUG 200AMP
1	EA	30-0481	BUSHING INSERT, LB,200A
1	EA	30-0480	ELBOW RECEPTACLE,LB,25KV 1/0AL
1	EA	<b>Assy</b>	<b>3 SLIP-FIT CONN'S &amp; MISC MATL FOR DF TFR (9 items)</b>
1	EA	36-0001	BOXPAD,1PH DF TX,36X52X18 1-W
1	EA	<b>Assy</b>	<b>PAD MTD.TX.GROUND W/2 GROUND RODS (3 items)</b>
			<b>INSTALL LOC 43</b>
64	FT	29-4371	CBL, 4/0AL TPX, 600V, XLP REEL
4	EA	38-4199	CAP CABLE PERM,600V, 4/0ALUM
2	EA	38-4198	CAP CABLE PERM,600V, 1/0ALUM
2	EA	50-0118	FRONT END PULL PACK,2-3"
50	FT	01-6471	CONDUIT,PVC, 3", DB
2	EA	36-0421	BELL END, CONDUIT, 3"
2	EA	36-0441	CAP,CONDUIT,TEMP DB 3"
2	EA	36-0800	BEND,CONDUIT,DB, 3", 22DEG, 36"R
2	EA	36-0328	BEND,CNDDT,DB, 3", 90DEG, 36"R
			<b>INSTALL LOC 44</b>
3	EA	30-0552	6 TERM (6 SML) AL SEC BUS CONN (#6 to 350al) (RULE 15)
1	EA	04-0937	BOX ASSY, 17X30x26" FBGL (RULE 15)
			<b>INSTALL LOC 45</b>
610	FT	29-0027	1-1/0AL 22KV EPR-CONC-ENCAP-PE
2	EA	38-4202	CABLE PERM CAP,25KV,1/0 EPR-CONC
2	EA	50-0118	LUBE,CABLE PULL,FRT END PK,2-3"
575	FT	36-0153	CONDUIT,PVC, 2", DB
1	EA	36-0440	CAP,CONDUIT,TEMP DB 2"
3	EA	36-0158	BEND,CONDUIT,DB, 2", 22DEG, 36"R
2	EA	36-0162	BEND,CONDUIT,DB, 2", 90DEG, 36"R
1	EA	36-0443	CAP,CONDUIT,TEMP DB 4"
1	EA	01-8585	SWEDGE REDUCER, 3" X 2" DB
1	EA	36-0322	COUPLING,CONDUIT, 3" DB
1	EA	01-8584	SWEDGE REDUCER, 3" X 4" DB
			<b>INSTALL LOC 46</b>
3	EA	30-0552	6 TERM (6 SML) AL SEC BUS CONN (#6 to 350al) (RULE 15)
1	EA	04-0936	BOX ASSM, 17X30X18 FBGL (RULE 15)
			<b>INSTALL LOC 47</b>
129	FT	29-4371	CBL, 4/0AL TPX, 600V, XLP REEL
4	EA	38-4199	CAP CABLE PERM,600V, 4/0ALUM

Qty	Unit	Code	Job Instructions
2	EA	38-4198	CAP CABLE PERM,600V, 1/0ALUM
2	EA	50-0118	FRONT END PULL PACK,2-3"
115	FT	01-6471	CONDUIT,PVC, 3", DB
2	EA	36-0421	BELL END, CONDUIT, 3"
2	EA	36-0441	CAP,CONDUIT,TEMP DB 3"
2	EA	36-0800	BEND,CONDUIT,DB, 3", 22DEG, 36"R
2	EA	36-0328	BEND,CNDT,DB, 3", 90DEG, 36"R
			<b>INSTALL LOC 48</b>
3	EA	30-0552	6 TERM (6 SML) AL SEC BUS CONN (#6 to 350al) (RULE 15)
1	EA	04-0936	BOX ASSM, 17X30X18 FBGL (RULE 15)
			<b>INSTALL LOC 49</b>
74	FT	29-4371	CBL, 4/0AL TPX, 600V, XLP REEL
4	EA	38-4199	CAP CABLE PERM,600V, 4/0ALUM
2	EA	38-4198	CAP CABLE PERM,600V, 1/0ALUM
2	EA	50-0118	FRONT END PULL PACK,2-3"
60	FT	01-6471	CONDUIT,PVC, 3", DB
2	EA	36-0421	BELL END, CONDUIT, 3"
2	EA	36-0441	CAP,CONDUIT,TEMP DB 3"
2	EA	36-0800	BEND,CONDUIT,DB, 3", 22DEG, 36"R
2	EA	36-0328	BEND,CNDT,DB, 3", 90DEG, 36"R
			<b>INSTALL LOC 50</b>
1	EA	26-1502	TX,1PH PM DF,50KVA,21 1W ,120/240
1	EA	labor only	SET UP, PULL CABLE
1	EA	30-0486	BUSHING WELL PLUG 200AMP
1	EA	30-0481	BUSHING INSERT, LB,200A
1	EA	30-0480	ELBOW RECEPTACLE,LB,25KV 1/0AL
1	EA	<b>Assy</b>	<b>3 SLIP-FIT CONN'S &amp; MISC MATL FOR DF TFR (9 items)</b>
1	EA	36-0001	BOXPAD,1PH DF TX,36X52X18 1-W
1	EA	<b>Assy</b>	<b>PAD MTD.TX.GROUND W/2 GROUND RODS (3 items)</b>
			<b>INSTALL LOC 51</b>
74	FT	29-4371	CBL, 4/0AL TPX, 600V, XLP REEL
4	EA	38-4199	CAP CABLE PERM,600V, 4/0ALUM
2	EA	38-4198	CAP CABLE PERM,600V, 1/0ALUM
2	EA	50-0118	FRONT END PULL PACK,2-3"
60	FT	01-6471	CONDUIT,PVC, 3", DB
2	EA	36-0421	BELL END, CONDUIT, 3"
2	EA	36-0441	CAP,CONDUIT,TEMP DB 3"
2	EA	36-0800	BEND,CONDUIT,DB, 3", 22DEG, 36"R
2	EA	36-0328	BEND,CNDT,DB, 3", 90DEG, 36"R
			<b>INSTALL LOC 52</b>
3	EA	30-0552	6 TERM (6 SML) AL SEC BUS CONN (#6 to 350al) (RULE 15)
1	EA	04-0936	BOX ASSM, 17X30X18 FBGL (RULE 15)
			<b>INSTALL LOC 53</b>
254	FT	29-0027	1-1/0AL 22KV EPR-CONC-ENCAP-PE

Qty	Unit	Code	Job Instructions
2	EA	38-4202	CABLE PERM CAP,25KV,1/0 EPR-CONC
2	EA	50-0118	LUBE,CABLE PULL,FRT END PK,2-3"
240	FT	36-0153	CONDUIT,PVC, 2", DB
2	EA	36-0420	BELL END, CONDUIT, 2" DB
2	EA	36-0440	CAP,CONDUIT,TEMP DB 2"
2	EA	36-0158	BEND,CONDUIT,DB, 2", 22DEG, 36"R
2	EA	36-0162	BEND,CONDUIT,DB, 2", 90DEG, 36"R
			<b>INSTALL LOC 54</b>
3	EA	30-0552	6 TERM (6 SML) AL SEC BUS CONN (#6 to 350al) (RULE 15)
1	EA	04-0936	BOX ASSM, 17X30X18 FBGL (RULE 15)
			<b>INSTALL LOC 55</b>
74	FT	29-4371	CBL, 4/0AL TPX, 600V, XLP REEL
4	EA	38-4199	CAP CABLE PERM,600V, 4/0ALUM
2	EA	38-4198	CAP CABLE PERM,600V, 1/0ALUM
2	EA	50-0118	FRONT END PULL PACK,2-3"
60	FT	01-6471	CONDUIT,PVC, 3", DB
2	EA	36-0421	BELL END, CONDUIT, 3"
2	EA	36-0441	CAP,CONDUIT,TEMP DB 3"
2	EA	36-0800	BEND,CONDUIT,DB, 3", 22DEG, 36"R
2	EA	36-0328	BEND,CNDT,DB, 3", 90DEG, 36"R
			<b>INSTALL LOC 56</b>
1	EA	26-1503	TX,1PH PM DF,100KVA,21,1W 120/240
1	EA	36-0069	FAULT IND, 200A, LD(#2-4/0) 1W
2	EA	30-0481	BUSHING INSERT, LB,200A
2	EA	30-0480	ELBOW RECEPTACLE,LB,25KV 1/0AL
1	EA	<b>Assy</b>	<b>3 SLIP-FIT CONN'S &amp; MISC MATL FOR DF TFR (9 items)</b>
1	EA	36-0001	BOXPAD,1PH DF TX,36X52X18 1-W
1	EA	<b>Assy</b>	<b>PAD MTD.TX.GROUND W/2 GROUND RODS (3 items)</b>
			<b>INSTALL LOC 57</b>
74	FT	29-4372	CBL, 350AL TPX, 600V, XLP
4	EA	38-4200	CAP CABLE PERM,600V, 350ALUM
2	EA	38-4199	CAP CABLE PERM,600V, 4/0ALUM
2	EA	50-0117	FRONT END PULL PACK,4-6"
60	FT	01-6472	CONDUIT,PVC, 4", DB
2	EA	36-0423	BELL END, CNDT, 4"
2	EA	36-0443	CAP,CNDT,TEMP DB 4"
2	EA	36-0761	BEND,CONDUIT,DB, 4", 22DEG, 60"R
2	EA	36-0414	BEND,CNDT,DB, 4", 90DEG, 36"R
			<b>INSTALL LOC 58</b>
3	EA	30-0552	6 TERM (6 SML) AL SEC BUS CONN (#6 to 350al) (RULE 15)
1	EA	04-0937	BOX ASSY, 17X30x26" FBGL (RULE 15)
			<b>INSTALL LOC 59</b>
74	FT	29-4371	CBL, 4/0AL TPX, 600V, XLP REEL
4	EA	38-4199	CAP CABLE PERM,600V, 4/0ALUM

Qty	Unit	Code	Job Instructions
2	EA	38-4198	CAP CABLE PERM,600V, 1/0ALUM
2	EA	50-0118	FRONT END PULL PACK,2-3"
60	FT	01-6471	CONDUIT,PVC, 3", DB
2	EA	36-0421	BELL END, CONDUIT, 3"
2	EA	36-0441	CAP,CONDUIT,TEMP DB 3"
2	EA	36-0800	BEND,CONDUIT,DB, 3", 22DEG, 36"R
2	EA	36-0328	BEND,CNDT,DB, 3", 90DEG, 36"R
			<b>INSTALL LOC 60</b>
3	EA	30-0552	6 TERM (6 SML) AL SEC BUS CONN (#6 to 350al) (RULE 15)
1	EA	04-0936	BOX ASSM, 17X30X18 FBGL (RULE 15)
			<b>INSTALL LOC 61</b>
346	FT	29-0027	1-1/0AL 22KV EPR-CONC-ENCAP-PE
2	EA	38-4202	CABLE PERM CAP,25KV,1/0 EPR-CONC
2	EA	50-0118	LUBE,CABLE PULL,FRT END PK,2-3"
315	FT	36-0153	CONDUIT,PVC, 2", DB
1	EA	36-0420	BELL END, CONDUIT, 2" DB
1	EA	36-0440	CAP,CONDUIT,TEMP DB 2"
3	EA	36-0158	BEND,CONDUIT,DB, 2", 22DEG, 36"R
2	EA	36-0162	BEND,CONDUIT,DB, 2", 90DEG, 36"R
1	EA	36-0443	CAP,CONDUIT,TEMP DB 4"
1	EA	01-8585	SWEDGE REDUCER, 3" X 2" DB
1	EA	36-0322	COUPLING,CONDUIT, 3" DB
1	EA	01-8584	SWEDGE REDUCER, 3" X 4" DB
			<b>INSTALL LOC 62</b>
431	FT	29-0027	1-1/0AL 22KV EPR-CONC-ENCAP-PE
2	EA	38-4202	CABLE PERM CAP,25KV,1/0 EPR-CONC
2	EA	50-0118	LUBE,CABLE PULL,FRT END PK,2-3"
400	FT	36-0153	CONDUIT,PVC, 2", DB
1	EA	36-0420	BELL END, CONDUIT, 2" DB
1	EA	36-0440	CAP,CONDUIT,TEMP DB 2"
3	EA	36-0158	BEND,CONDUIT,DB, 2", 22DEG, 36"R
1	EA	36-0162	BEND,CONDUIT,DB, 2", 90DEG, 36"R
1	EA	36-0443	CAP,CONDUIT,TEMP DB 4"
1	EA	01-8585	SWEDGE REDUCER, 3" X 2" DB
1	EA	36-0322	COUPLING,CONDUIT, 3" DB
1	EA	01-8584	SWEDGE REDUCER, 3" X 4" DB
			<b>INSTALL LOC 63</b>
3	EA	30-0552	6 TERM (6 SML) AL SEC BUS CONN (#6 to 350al) (RULE 15)
1	EA	04-0936	BOX ASSM, 17X30X18 FBGL (RULE 15)
			<b>INSTALL LOC 64</b>
129	FT	29-4371	CBL, 4/0AL TPX, 600V, XLP REEL
4	EA	38-4199	CAP CABLE PERM,600V, 4/0ALUM
2	EA	38-4198	CAP CABLE PERM,600V, 1/0ALUM
2	EA	50-0118	FRONT END PULL PACK,2-3"

Qty	Unit	Code	Job Instructions
115	FT	01-6471	CONDUIT,PVC, 3", DB
2	EA	36-0421	BELL END, CONDUIT, 3"
2	EA	36-0441	CAP,CONDUIT,TEMP DB 3"
2	EA	36-0800	BEND,CONDUIT,DB, 3", 22DEG, 36"R
2	EA	36-0328	BEND,CNDT,DB, 3", 90DEG, 36"R
			<b>INSTALL LOC 65</b>
3	EA	30-0552	6 TERM (6 SML) AL SEC BUS CONN (#6 to 350al) (RULE 15)
1	EA	04-0936	BOX ASSM, 17X30X18 FBGL (RULE 15)
			<b>INSTALL LOC 66</b>
69	FT	29-4371	CBL, 4/0AL TPX, 600V, XLP REEL
4	EA	38-4199	CAP CABLE PERM,600V, 4/0ALUM
2	EA	38-4198	CAP CABLE PERM,600V, 1/0ALUM
2	EA	50-0118	FRONT END PULL PACK,2-3"
55	FT	01-6471	CONDUIT,PVC, 3", DB
2	EA	36-0421	BELL END, CONDUIT, 3"
2	EA	36-0441	CAP,CONDUIT,TEMP DB 3"
2	EA	36-0800	BEND,CONDUIT,DB, 3", 22DEG, 36"R
2	EA	36-0328	BEND,CNDT,DB, 3", 90DEG, 36"R
			<b>INSTALL LOC 67</b>
1	EA	26-1503	TX,1PH PM DF,100KVA,21,1W 120/240
1	EA	36-0069	FAULT IND, 200A, LD(#2-4/0) 1W
2	EA	30-0481	BUSHING INSERT, LB,200A
2	EA	30-0480	ELBOW RECEPTACLE,LB,25KV 1/0AL
1	EA	<b>Assy</b>	<b>3 SLIP-FIT CONN'S &amp; MISC MATL FOR DF TFR (9 items)</b>
1	EA	36-0001	BOXPAD,1PH DF TX,36X52X18 1-W
1	EA	<b>Assy</b>	<b>PAD MTD.TX.GROUND W/2 GROUND RODS (3 items)</b>
			<b>INSTALL LOC 68</b>
69	FT	29-4371	CBL, 4/0AL TPX, 600V, XLP REEL
4	EA	38-4199	CAP CABLE PERM,600V, 4/0ALUM
2	EA	38-4198	CAP CABLE PERM,600V, 1/0ALUM
2	EA	50-0118	FRONT END PULL PACK,2-3"
55	FT	01-6471	CONDUIT,PVC, 3", DB
2	EA	36-0421	BELL END, CONDUIT, 3"
2	EA	36-0441	CAP,CONDUIT,TEMP DB 3"
2	EA	36-0800	BEND,CONDUIT,DB, 3", 22DEG, 36"R
2	EA	36-0328	BEND,CNDT,DB, 3", 90DEG, 36"R
			<b>INSTALL LOC 69</b>
3	EA	30-0552	6 TERM (6 SML) AL SEC BUS CONN (#6 to 350al) (RULE 15)
1	EA	04-0936	BOX ASSM, 17X30X18 FBGL (RULE 15)
			<b>INSTALL LOC 70</b>
155	FT	29-0027	1-1/0AL 22KV EPR-CONC-ENCAP-PE
2	EA	38-4202	CABLE PERM CAP,25KV,1/0 EPR-CONC
2	EA	50-0118	LUBE,CABLE PULL,FRT END PK,2-3"
120	FT	36-0153	CONDUIT,PVC, 2", DB

Qty	Unit	Code	Job Instructions
1	EA	36-0420	BELL END, CONDUIT, 2" DB
1	EA	36-0440	CAP, CONDUIT, TEMP DB 2"
3	EA	36-0158	BEND, CONDUIT, DB, 2", 22DEG, 36"R
1	EA	36-0162	BEND, CONDUIT, DB, 2", 90DEG, 36"R
1	EA	36-0443	CAP, CONDUIT, TEMP DB 4"
1	EA	01-8585	SWEDGE REDUCER, 3" X 2" DB
1	EA	36-0322	COUPLING, CONDUIT, 3" DB
1	EA	01-8584	SWEDGE REDUCER, 3" X 4" DB
			<b>INSTALL LOC 71</b>
1	EA	labor only	SET UP, PULL CABLE (RULE 15)
3	EA	30-0485	SS J-BOX, 3-WAY, LB, 200A W/MTG BK (RULE 2)
1	EA	<b>Assy</b>	<b>HARDWARE, MTG, 1 JUNCTION BOX, 3 OR 4WAY (6 items) (RULE 2)</b>
3	EA	30-0480	ELBOW RECEPTACLE, LB, 25KV 1/0AL (RULE 15)
2	EA	36-0069	FAULT IND, 200A, LD(#2-4/0) 1W (RULE 2)
1	EA	01-8799	FAULT IND, MOUNT KIT, SS APPL. (RULE 2)
1	EA	04-1495	BOX ASSY, 4' X 6.5' X 5' EQ, IVT (EQUIP). (RULE 2)
1	EA	01-0098	GROUND ROD, 12' (RULE 2)
1	EA	<b>Assy</b>	<b>GROUND MATERIAL, PRIMARY SPLICE BOX (3 ITEMS) (RULE 2)</b>
			<b>INSTALL LOC 72</b>
129	FT	29-4371	CBL, 4/0AL TPX, 600V, XLP REEL
4	EA	38-4199	CAP CABLE PERM, 600V, 4/0ALUM
2	EA	38-4198	CAP CABLE PERM, 600V, 1/0ALUM
2	EA	50-0118	FRONT END PULL PACK, 2-3"
115	FT	01-6471	CONDUIT, PVC, 3", DB
2	EA	36-0421	BELL END, CONDUIT, 3"
2	EA	36-0441	CAP, CONDUIT, TEMP DB 3"
2	EA	36-0800	BEND, CONDUIT, DB, 3", 22DEG, 36"R
2	EA	36-0328	BEND, CNDDT, DB, 3", 90DEG, 36"R
			<b>INSTALL LOC 73</b>
3	EA	30-0552	6 TERM (6 SML) AL SEC BUS CONN (#6 to 350al) (RULE 15)
1	EA	04-0936	BOX ASSM, 17X30X18 FBGL (RULE 15)
			<b>INSTALL LOC 74</b>
360	FT	29-0027	1-1/0AL 22KV EPR-CONC-ENCAP-PE
2	EA	38-4202	CABLE PERM CAP, 25KV, 1/0 EPR-CONC
2	EA	50-0118	LUBE, CABLE PULL, FRT END PK, 2-3"
325	FT	36-0153	CONDUIT, PVC, 2", DB
1	EA	36-0420	BELL END, CONDUIT, 2" DB
1	EA	36-0440	CAP, CONDUIT, TEMP DB 2"
3	EA	36-0158	BEND, CONDUIT, DB, 2", 22DEG, 36"R
2	EA	36-0162	BEND, CONDUIT, DB, 2", 90DEG, 36"R
1	EA	36-0443	CAP, CONDUIT, TEMP DB 4"
1	EA	01-8585	SWEDGE REDUCER, 3" X 2" DB
1	EA	36-0322	COUPLING, CONDUIT, 3" DB
1	EA	01-8584	SWEDGE REDUCER, 3" X 4" DB

Qty	Unit	Code	Job Instructions
<b>INSTALL LOC 75</b>			
3	EA	30-0552	6 TERM (6 SML) AL SEC BUS CONN (#6 to 350al) (RULE 15)
1	EA	04-0936	BOX ASSM, 17X30X18 FBGL (RULE 15)
<b>INSTALL LOC 76</b>			
74	FT	29-4371	CBL, 4/0AL TPX, 600V, XLP REEL
4	EA	38-4199	CAP CABLE PERM,600V, 4/0ALUM
2	EA	38-4198	CAP CABLE PERM,600V, 1/0ALUM
2	EA	50-0118	FRONT END PULL PACK,2-3"
60	FT	01-6471	CONDUIT,PVC, 3", DB
2	EA	36-0421	BELL END, CONDUIT, 3"
2	EA	36-0441	CAP,CONDUIT,TEMP DB 3"
2	EA	36-0800	BEND,CONDUIT,DB, 3", 22DEG, 36"R
2	EA	36-0328	BEND,CNDT,DB, 3", 90DEG, 36"R
<b>INSTALL LOC 77</b>			
1	EA	26-1502	TX,1PH PM DF,50KVA,21 1W ,120/240
1	EA	30-0486	BUSHING WELL PLUG 200AMP
1	EA	30-0481	BUSHING INSERT, LB,200A
1	EA	30-0480	ELBOW RECEPTACLE,LB,25KV 1/0AL
1	EA	<b>Assy</b>	<b>3 SLIP-FIT CONN'S &amp; MISC MATL FOR DF TFR (9 items)</b>
1	EA	36-0001	BOXPAD,1PH DF TX,36X52X18 1-W
1	EA	<b>Assy</b>	<b>PAD MTD.TX.GROUND W/2 GROUND RODS (3 items)</b>
<b>INSTALL LOC 78</b>			
74	FT	29-4372	CBL, 350AL TPX, 600V, XLP
4	EA	38-4200	CAP CABLE PERM,600V, 350ALUM
2	EA	38-4199	CAP CABLE PERM,600V, 4/0ALUM
2	EA	50-0117	FRONT END PULL PACK,4-6"
60	FT	01-6472	CONDUIT,PVC, 4", DB
2	EA	36-0423	BELL END, CNDT, 4"
2	EA	36-0443	CAP,CNDT,TEMP DB 4"
2	EA	36-0761	BEND,CONDUIT,DB, 4", 22DEG, 60"R
2	EA	36-0414	BEND,CNDT,DB, 4", 90DEG, 36"R
<b>INSTALL LOC 79</b>			
3	EA	30-0552	6 TERM (6 SML) AL SEC BUS CONN (#6 to 350al) (RULE 15)
1	EA	04-0937	BOX ASSY, 17X30x26" FBGL (RULE 15)
<b>INSTALL LOC 80</b>			
139	FT	29-4371	CBL, 4/0AL TPX, 600V, XLP REEL
4	EA	38-4199	CAP CABLE PERM,600V, 4/0ALUM
2	EA	38-4198	CAP CABLE PERM,600V, 1/0ALUM
2	EA	50-0118	FRONT END PULL PACK,2-3"
125	FT	01-6471	CONDUIT,PVC, 3", DB
2	EA	36-0421	BELL END, CONDUIT, 3"
2	EA	36-0441	CAP,CONDUIT,TEMP DB 3"
2	EA	36-0800	BEND,CONDUIT,DB, 3", 22DEG, 36"R
2	EA	36-0328	BEND,CNDT,DB, 3", 90DEG, 36"R

Qty	Unit	Code	Job Instructions
<b>INSTALL LOC 81</b>			
3	EA	30-0552	6 TERM (6 SML) AL SEC BUS CONN (#6 to 350al) (RULE 15)
1	EA	04-0936	BOX ASSM, 17X30X18 FBGL (RULE 15)
<b>INSTALL LOC 82</b>			
3	EA	30-0552	6 TERM (6 SML) AL SEC BUS CONN (#6 to 350al) (RULE 15)
1	EA	04-0936	BOX ASSM, 17X30X18 FBGL (RULE 15)
<b>INSTALL LOC 83</b>			
129	FT	29-4371	CBL, 4/0AL TPX, 600V, XLP REEL
4	EA	38-4199	CAP CABLE PERM,600V, 4/0ALUM
2	EA	38-4198	CAP CABLE PERM,600V, 1/0ALUM
2	EA	50-0118	FRONT END PULL PACK,2-3"
115	FT	01-6471	CONDUIT,PVC, 3", DB
2	EA	36-0421	BELL END, CONDUIT, 3"
2	EA	36-0441	CAP,CONDUIT,TEMP DB 3"
2	EA	36-0800	BEND,CONDUIT,DB, 3", 22DEG, 36"R
2	EA	36-0328	BEND,CNDT,DB, 3", 90DEG, 36"R
<b>INSTALL LOC 84</b>			
3	EA	30-0552	6 TERM (6 SML) AL SEC BUS CONN (#6 to 350al) (RULE 15)
1	EA	04-0936	BOX ASSM, 17X30X18 FBGL (RULE 15)
<b>INSTALL LOC 85</b>			
64	FT	29-4371	CBL, 4/0AL TPX, 600V, XLP REEL
4	EA	38-4199	CAP CABLE PERM,600V, 4/0ALUM
2	EA	38-4198	CAP CABLE PERM,600V, 1/0ALUM
2	EA	50-0118	FRONT END PULL PACK,2-3"
50	FT	01-6471	CONDUIT,PVC, 3", DB
2	EA	36-0421	BELL END, CONDUIT, 3"
2	EA	36-0441	CAP,CONDUIT,TEMP DB 3"
2	EA	36-0800	BEND,CONDUIT,DB, 3", 22DEG, 36"R
2	EA	36-0328	BEND,CNDT,DB, 3", 90DEG, 36"R
<b>INSTALL LOC 86</b>			
1	EA	26-1503	TX,1PH PM DF,100KVA,21,1W 120/240
1	EA	30-0486	BUSHING WELL PLUG 200AMP
1	EA	30-0481	BUSHING INSERT, LB,200A
1	EA	30-0480	ELBOW RECEPTACLE,LB,25KV 1/0AL
1	EA	<b>Assy</b>	<b>3 SLIP-FIT CONN'S &amp; MISC MATL FOR DF TFR (9 items)</b>
1	EA	36-0001	BOXPAD,1PH DF TX,36X52X18 1-W
1	EA	<b>Assy</b>	<b>PAD MTD.TX.GROUND W/2 GROUND RODS (3 items)</b>
<b>INSTALL LOC 87</b>			
74	FT	29-4372	CBL, 350AL TPX, 600V, XLP
4	EA	38-4200	CAP CABLE PERM,600V, 350ALUM
2	EA	38-4199	CAP CABLE PERM,600V, 4/0ALUM
2	EA	50-0117	FRONT END PULL PACK,4-6"
60	FT	01-6472	CONDUIT,PVC, 4", DB
2	EA	36-0423	BELL END, CNDT, 4"



Qty	Unit	Code	Job Instructions
2	EA	36-0443	CAP,CNDT,TEMP DB 4"
2	EA	36-0761	BEND,CONDUIT,DB, 4", 22DEG, 60"R
2	EA	36-0414	BEND,CNDT,DB, 4", 90DEG, 36"R
<b>INSTALL LOC 88</b>			
3	EA	30-0552	6 TERM (6 SML) AL SEC BUS CONN (#6 to 350al) (RULE 15)
1	EA	04-0937	BOX ASSY, 17X30x26" FBGL (RULE 15)
<b>INSTALL LOC 89</b>			
140	FT	29-4372	CBL, 350AL TPX, 600V, XLP
4	EA	38-4200	CAP CABLE PERM,600V, 350ALUM
2	EA	38-4199	CAP CABLE PERM,600V, 4/0ALUM
2	EA	50-0117	FRONT END PULL PACK,4-6"
125	FT	01-6472	CONDUIT,PVC, 4", DB
2	EA	36-0423	BELL END, CNDT, 4"
2	EA	36-0443	CAP,CNDT,TEMP DB 4"
2	EA	36-0761	BEND,CONDUIT,DB, 4", 22DEG, 60"R
2	EA	36-0414	BEND,CNDT,DB, 4", 90DEG, 36"R
<b>INSTALL LOC 90</b>			
3	EA	30-0553	8 TERM (8 SML) AL SEC BUS CONN (#6 to 350al) (RULE 15)
1	EA	04-0942	BOX ASSY, 24X36X26" (RULE 15)
<b>INSTALL LOC 91</b>			
3	EA	30-0552	6 TERM (6 SML) AL SEC BUS CONN (#6 to 350al) (RULE 15)
1	EA	04-0936	BOX ASSM, 17X30X18 FBGL (RULE 15)
<b>INSTALL LOC 92</b>			
209	FT	29-4371	CBL, 4/0AL TPX, 600V, XLP REEL
4	EA	38-4199	CAP CABLE PERM,600V, 4/0ALUM
2	EA	38-4198	CAP CABLE PERM,600V, 1/0ALUM
2	EA	50-0118	FRONT END PULL PACK,2-3"
195	FT	01-6471	CONDUIT,PVC, 3", DB
2	EA	36-0421	BELL END, CONDUIT, 3"
2	EA	36-0441	CAP,CONDUIT,TEMP DB 3"
2	EA	36-0800	BEND,CONDUIT,DB, 3", 22DEG, 36"R
2	EA	36-0328	BEND,CNDT,DB, 3", 90DEG, 36"R
<b>INSTALL LOC 93</b>			
580	FT	29-0027	1-1/0AL 22KV EPR-CONC-ENCAP-PE
2	EA	38-4202	CABLE PERM CAP,25KV,1/0 EPR-CONC
2	EA	50-0118	LUBE,CABLE PULL,FRT END PK,2-3"
545	FT	36-0153	CONDUIT,PVC, 2", DB
1	EA	36-0420	BELL END, CONDUIT, 2" DB
1	EA	36-0440	CAP,CONDUIT,TEMP DB 2"
3	EA	36-0158	BEND,CONDUIT,DB, 2", 22DEG, 36"R
2	EA	36-0162	BEND,CONDUIT,DB, 2", 90DEG, 36"R
1	EA	36-0443	CAP,CONDUIT,TEMP DB 4"
1	EA	01-8585	SWEDGE REDUCER, 3" X 2" DB
1	EA	36-0322	COUPLING,CONDUIT, 3" DB

Qty	Unit	Code	Job Instructions
1	EA	01-8584	SWEDGE REDUCER, 3" X 4" DB
1	EA	50-0031	LUBE,CBL PULLING,2.5-GAL.CONT.
1	EA	50-0099	LUBE,CBL PULLING,5-GAL.CONT.
			<b>INSTALL LOC 94</b>
305	FT	36-0153	CONDUIT,PVC, 2", DB
1	EA	36-0425	CAP,CONDUIT,RIGID, DB 2"
2	EA	36-0158	BEND,CONDUIT,DB, 2", 22DEG, 36"R
1	EA	36-0162	BEND,CONDUIT,DB, 2", 90DEG, 36"R
1	EA	36-0443	CAP,CONDUIT,TEMP DB 4"
1	EA	01-8585	SWEDGE REDUCER, 3" X 2" DB
1	EA	36-0322	COUPLING,CONDUIT, 3" DB
1	EA	01-8584	SWEDGE REDUCER, 3" X 4" DB
1	EA	37-4945	EMS MARKER,BALL,RED-MAX 5'DEEP-
			<b>INSTALL LOC 95</b>
390	FT	36-0153	CONDUIT,PVC, 2", DB
1	EA	36-0321	COUPLING,CONDUIT, 2" DB
1	EA	36-0425	CAP,CONDUIT,RIGID, DB 2"
1	EA	36-0162	BEND,CONDUIT,DB, 2", 90DEG, 36"R
			<b>INSTALL LOC 96</b>
100	FT	36-0153	CONDUIT,PVC, 2", DB
1	EA	36-0425	CAP,CONDUIT,RIGID, DB 2"
2	EA	36-0158	BEND,CONDUIT,DB, 2", 22DEG, 36"R
1	EA	36-0162	BEND,CONDUIT,DB, 2", 90DEG, 36"R
1	EA	36-0443	CAP,CONDUIT,TEMP DB 4"
1	EA	01-8585	SWEDGE REDUCER, 3" X 2" DB
1	EA	36-0322	COUPLING,CONDUIT, 3" DB
1	EA	01-8584	SWEDGE REDUCER, 3" X 4" DB
1	EA	37-4945	EMS MARKER,BALL,RED-MAX 5'DEEP-
			<b>INSTALL LOC 97</b>
100	FT	36-0153	CONDUIT,PVC, 2", DB
1	EA	36-0425	CAP,CONDUIT,RIGID, DB 2"
2	EA	36-0158	BEND,CONDUIT,DB, 2", 22DEG, 36"R
1	EA	36-0162	BEND,CONDUIT,DB, 2", 90DEG, 36"R
1	EA	36-0443	CAP,CONDUIT,TEMP DB 4"
1	EA	01-8585	SWEDGE REDUCER, 3" X 2" DB
1	EA	36-0322	COUPLING,CONDUIT, 3" DB
1	EA	01-8584	SWEDGE REDUCER, 3" X 4" DB
			<b>INSTALL LOC 98</b>
130	FT	36-0153	CONDUIT,PVC, 2", DB
1	EA	36-0321	COUPLING,CONDUIT, 2" DB
2	EA	36-0158	BEND,CONDUIT,DB, 2", 22DEG, 36"R
1	EA	36-0443	CAP,CONDUIT,TEMP DB 4"
1	EA	01-8585	SWEDGE REDUCER, 3" X 2" DB
1	EA	36-0322	COUPLING,CONDUIT, 3" DB

Qty	Unit	Code	Job Instructions
1	EA	01-8584	SWEDGE REDUCER, 3" X 4" DB
			<b>INSTALL LOC 99</b>
80	FT	36-0153	CONDUIT,PVC, 2", DB
1	EA	36-0321	COUPLING,CONDUIT, 2" DB
2	EA	36-0158	BEND,CONDUIT,DB, 2", 22DEG, 36"R
1	EA	36-0443	CAP,CONDUIT,TEMP DB 4"
1	EA	01-8585	SWEDGE REDUCER, 3" X 2" DB
1	EA	36-0322	COUPLING,CONDUIT, 3" DB
1	EA	01-8584	SWEDGE REDUCER, 3" X 4" DB
			<b>INSTALL LOC 100</b>
1	EA	02-5601	BOX ASSM, 3X5X3.5 SP/EQ, IVT
1	EA	01-0098	GROUND ROD, 12'
			<b>INSTALL LOC 101</b>
1	EA	04-1495	BOX ASSY, 4' X 6.5 X 5' EQ, IVT (EQUIP). (RULE 2)
1	EA	01-0098	GROUND ROD, 12' (RULE 2)
			<b>INSTALL LOC 102</b>
330	FT	01-6471	CONDUIT,PVC, 3", DB (R16NR)(1632)
1	EA	36-0421	BELL END, CONDUIT, 3" (R16NR)(1632)
1	EA	36-0426	CAP,CONDUIT,RIGID, DB 3" (R16NR)(1632)
1	EA	36-0441	CAP,CONDUIT,TEMP DB 3" (R16NR)(1632)
1	EA	36-0800	BEND,CONDUIT,DB, 3", 22DEG, 36"R (R16NR)(1632)
2	EA	36-0328	BEND,CNDT,DB, 3", 90DEG, 36"R (R16NR)(1632)
1	EA	37-4945	EMS MARKER,BALL,RED-MAX 5'DEEP-(R16NR)(1632)
			<b>INSTALL LOC 103</b>
3485	FT	01-6471	CONDUIT,PVC, 3", DB (1602)(R16R)
96	EA	36-0405	BEND,CONDUIT,DB, 3", 90DEG, 24"R (1602)(R16R)
37	EA	36-0328	BEND,CONDUIT,DB, 3", 90DEG, 36"R (1602)(R16R)
96	EA	36-0421	BELL END, CONDUIT, 3" (1602)(R16R)
96	EA	36-0441	CAP,CONDUIT,TEMP DB 3" (1602)(R16R)
2400	FT	01-6471	CONDUIT,PVC, 3", DB (1603)(R16R)
7256	FT	29-4371	CBL, 4/0AL TPX, 600V, XLP REEL (1600)(R16R)
192	EA	50-0118	FRONT END PULL PACK,2-3" (1600)(R16R)
384	EA	38-4199	CABLE PERM CAP,600V,#4/0 XLP (1600)(R16R)
192	EA	38-4198	CABLE PERM CAP,600V,#1/0 XLP (1600)(R16R)

Qty	Unit	Code	Job Instructions
			<b>All Work is RULE 15 Unless Otherwise Specified</b>
			<b>REMOVE LOC 800</b>
1	EA	N/A	EPDM LB TPE KIT(INC CLAMP & CONN)
			<b>INSTALL LOC 800</b>
1	EA	30-0480	ELBOW RECEPTACLE, LB, 25KV 1/0AL (RULE 15)
			<b>INSTALL LOC 801</b>
802	FT	29-0027	1-1/0AL 22KV EPR-CONC-ENCAP-PE
2	EA	38-4202	CABLE PERM CAP, 25KV, 1/0 EPR-CONC
4	EA	50-0118	LUBE, CABLE PULL, FRT END PK, 2-3"
			<b>REMOVE LOC 802</b>
1	EA	N/A	EPDM LB TPE KIT(INC CLAMP & CONN)
			<b>INSTALL LOC 802</b>
1	EA	30-0480	ELBOW RECEPTACLE, LB, 25KV 1/0AL (RULE 15)
			<b>INSTALL LOC 803</b>
550	FT	29-0027	1-1/0AL 22KV EPR-CONC-ENCAP-PE
2	EA	38-4202	CABLE PERM CAP, 25KV, 1/0 EPR-CONC
2	EA	50-0118	LUBE, CABLE PULL, FRT END PK, 2-3"
1	EA	50-0031	LUBE, CBL PULLING, 2.5-GAL. CONT.
			<b>INSTALL LOC 804</b>
1	EA	<b>Assy</b>	<b>1/0 AL 25KV 200A PREMOLD STR SPLICE (2 items)</b>
2	EA	36-2615	CABLE RACK SUPPORT KIT (KIT #1) (COMPLETE KIT)
1	EA	<b>Assy</b>	<b>GROUND MATERIAL, PRIMARY SPLICE BOX (3 ITEMS)</b>
			<b>INSTALL LOC 805</b>
1	EA	30-0480	ELBOW RECEPTACLE, LB, 25KV 1/0AL (RULE 15)
			<b>INSTALL LOC 6</b>
1	EA	LBR ONLY	STREET LIGHT CONNECT (ELS)
			<b>INSTALL LOC 8</b>
1	EA	LBR ONLY	STREET LIGHT CONNECT (ELS)
			<b>INSTALL LOC 12</b>
1	EA	LBR ONLY	STREET LIGHT CONNECT (ELS)
			<b>INSTALL LOC 21</b>
1	EA	LBR ONLY	STREET LIGHT CONNECT (ELS)
			<b>INSTALL LOC 25</b>
1	EA	LBR ONLY	STREET LIGHT CONNECT (ELS)
			<b>INSTALL LOC 32</b>
1	EA	LBR ONLY	STREET LIGHT CONNECT (ELS)
			<b>INSTALL LOC 36</b>
1	EA	LBR ONLY	STREET LIGHT CONNECT (ELS)
			<b>INSTALL LOC 37</b>
1	EA	LBR ONLY	STREET LIGHT CONNECT (ELS)
			<b>INSTALL LOC 39</b>
1	EA	LBR ONLY	STREET LIGHT CONNECT (ELS)
			<b>INSTALL LOC 40</b>
1	EA	LBR ONLY	STREET LIGHT CONNECT (ELS)

Qty	Unit	Code	Job Instructions
			<b>INSTALL LOC 44</b>
1	EA	LBR ONLY	STREET LIGHT CONNECT (ELS)
			<b>INSTALL LOC 48</b>
1	EA	LBR ONLY	STREET LIGHT CONNECT (ELS)
			<b>INSTALL LOC 52</b>
1	EA	LBR ONLY	STREET LIGHT CONNECT (ELS)
			<b>INSTALL LOC 54</b>
1	EA	LBR ONLY	STREET LIGHT CONNECT (ELS)
			<b>INSTALL LOC 60</b>
1	EA	LBR ONLY	STREET LIGHT CONNECT (ELS)
			<b>INSTALL LOC 63</b>
1	EA	LBR ONLY	STREET LIGHT CONNECT (ELS)
			<b>INSTALL LOC 65</b>
1	EA	LBR ONLY	STREET LIGHT CONNECT (ELS)
			<b>INSTALL LOC 69</b>
1	EA	LBR ONLY	STREET LIGHT CONNECT (ELS)
			<b>INSTALL LOC 73</b>
1	EA	LBR ONLY	STREET LIGHT CONNECT (ELS)
			<b>INSTALL LOC 75</b>
1	EA	LBR ONLY	STREET LIGHT CONNECT (ELS)
			<b>INSTALL LOC 79</b>
1	EA	LBR ONLY	STREET LIGHT CONNECT (ELS)
			<b>INSTALL LOC 81</b>
1	EA	LBR ONLY	STREET LIGHT CONNECT (ELS)
			<b>INSTALL LOC 84</b>
1	EA	LBR ONLY	STREET LIGHT CONNECT (ELS)
			<b>INSTALL LOC 90</b>
1	EA	LBR ONLY	STREET LIGHT CONNECT (ELS)
			<b>INSTALL LOC 91</b>
1	EA	LBR ONLY	STREET LIGHT CONNECT (ELS)
			<b>INSTALL LOC 103</b>
96	EA	long lead	MTR,120/240V,1PH,3W (1612)(R16R)

Qty	Unit	Code	Description
18	EA	18-7012	CLAMP GROUND ROD 5/8"
18	EA	18-7013	ROD GROUND 5/8" X 8'
2	EA	18-7017	CLAMP GROUND ROD 3/4" #6-#1/0 AWG CU CA
2	EA	18-7017	CLAMP GROUND ROD 3/4" #6-#1/0 AWG CU CA (RULE 2)
8	EA	19-0099	ANCHOR FLUSH 1/2"
18	EA	19-2874	BOLT MACH 1/2"DIA 1-1/2"LG SILICON-BRZ
8	EA	19-4393	SCREW CAP HEX 1/2" DIA 1" LG 18-8 SS
8	EA	19-5506	WASHER FLAT 1/2" 316 SS ROUND
63	LB	29-0074	WIRE ELEC BARE COP 2 AWG 10 LB HAND COIL
2	LB	29-0074	WIRE ELEC BARE CU 2 AWG 10 LB HAND COIL
2	LB	29-0074	WIRE ELEC BARE CU 2 AWG 10 LB HAND COIL (RULE 2)
4.1	LB	29-0181	CABLE ELEC BARE CUPER 2 AWG
3	EA	30-0487	SPLICE CABLE STRAIGHT 22 KV 200 A
17	EA	30-3214	CONNECTOR GROUND #10-#1 CABLE-POST
8	EA	30-3214	CONNECTOR GROUND #10-#1 CABLE-POST (RULE 2)
6	EA	30-5246	CONN CABLE H-TAP CU #1-1/0
18	EA	30-5844	CONNECTOR CABLE SVCE TAP COP #6-#2
3	RL	38-4095	TAPE ELEC PVC 3/4" X .0085" X 65' BLACK
12	EA	39-9093	TIE CABLE #PLT3S-MO/#T50I-0
9	TB	49-5228	CONCRETE CAULKING
9	EA	62-1599	LABEL HIGH VOLTAGE/CLEARANCE 7" X 10"
4	EA	01-0098	GROUND ROD, 12'
3	EA	01-0098	GROUND ROD, 12' (RULE 2)
1890	FT	01-6471	CONDUIT,PVC, 3", DB
3485	FT	01-6471	CONDUIT,PVC, 3", DB (1602)(R16R)
2400	FT	01-6471	CONDUIT,PVC, 3", DB (1603)(R16R)
330	FT	01-6471	CONDUIT,PVC, 3", DB (R16NR)(1633)
815	FT	01-6472	CONDUIT,PVC, 4", DB
9	EA	01-6583	PADLOCK SHACKLE STAMPED PG&E 1-1/4"
22	EA	01-8584	SWEDGE REDUCER, 3" X 4" DB
22	EA	01-8585	SWEDGE REDUCER, 3" X 2" DB
2	EA	01-8799	FAULT IND, MOUNT KIT, SS APPL. (RULE 2)
4	EA	02-5601	BOX ASSM, 3X5X3.5 SP/EQ, IVT
27	EA	03-1604	CONNECTOR TRANSFORMER SLIP-FIT
18	EA	04-0936	BOX ASSM, 17X30X18 FBGL (RULE 15)
7	EA	04-0937	BOX ASSY, 17X30x26" FBGL (RULE 15)
2	EA	04-0940	BOX ASSY, 24X36x18" FBGL (RULE 15)
4	EA	04-0942	BOX ASSY, 24X36X26" (RULE 15)
3	EA	04-1495	BOX ASSY, 4' X 6.5 X 5' EQ, IVT (EQUIP). (RULE 2)
36	EA	19-0653	EXPANSION ANCHOR SEISMIC
2	EA	26-1502	TX,1PH PM DF,50KVA,21 1W ,120/240
7	EA	26-1503	TX,1PH PM DF,100KVA,21,1W 120/240
4892	FT	29-0027	1-1/0AL 22KV EPR-CONC-ENCAP-PE
2188	FT	29-4371	CBL, 4/0AL TPX, 600V, XLP REEL

Qty	Unit	Code	Description
7256	FT	29-4371	CBL, 4/0AL TPX, 600V, XLP REEL (1600)(R16R)
960	FT	29-4372	CBL, 350AL TPX, 600V, XLP
13	EA	30-0480	ELBOW RECEPTACLE, LB, 25KV 1/0AL
6	EA	30-0480	ELBOW RECEPTACLE, LB, 25KV 1/0AL (RULE 15)
13	EA	30-0481	BUSHING INSERT, LB, 200A
3	EA	30-0485	SS J-BOX, 3-WAY, LB, 200A W/MTG BK (RULE 2)
5	EA	30-0486	BUSHING WELL PLUG 200AMP
75	EA	30-0552	6 TERM (6 SML) AL SEC BUS CONN (#6 to 350al) (RULE 15)
18	EA	30-0553	8 TERM (8 SML) AL SEC BUS CONN (#6 to 350al) (RULE 15)
3	EA	30-0588	SS J-BOX, 4-WAY, LB, 200A W/MTG BK (RULE 2)
9	EA	36-0001	BOXPAD, 1PH DF TX, 36X52X18 1-W
4	EA	36-0069	FAULT IND, 200A, LD(#2-4/0) 1W
5	EA	36-0069	FAULT IND, 200A, LD(#2-4/0) 1W (RULE 2)
1	EA	36-0071	3-TO-1 CABLE FOR REMOTE IND (RULE 2)
6395	FT	36-0153	CONDUIT, PVC, 2", DB
57	EA	36-0158	BEND, CONDUIT, DB, 2", 22DEG, 36"R
28	EA	36-0162	BEND, CONDUIT, DB, 2", 90DEG, 36"R
6	EA	36-0321	COUPLING, CONDUIT, 2" DB
22	EA	36-0322	COUPLING, CONDUIT, 3" DB
43	EA	36-0328	BEND, CNDT, DB, 3", 90DEG, 36"R
2	EA	36-0328	BEND, CNDT, DB, 3", 90DEG, 36"R (R16NR)(1633)
37	EA	36-0328	BEND, CONDUIT, DB, 3", 90DEG, 36"R (1602)(R16R)
96	EA	36-0405	BEND, CONDUIT, DB, 3", 90DEG, 24"R (1602)(R16R)
20	EA	36-0414	BEND, CNDT, DB, 4", 90DEG, 36"R
11	EA	36-0420	BELL END, CONDUIT, 2" DB
42	EA	36-0421	BELL END, CONDUIT, 3"
96	EA	36-0421	BELL END, CONDUIT, 3" (1602)(R16R)
1	EA	36-0421	BELL END, CONDUIT, 3" (R16NR)(1633)
20	EA	36-0423	BELL END, CNDT, 4"
4	EA	36-0425	CAP, CONDUIT, RIGID, DB 2"
1	EA	36-0426	CAP, CONDUIT, RIGID, DB 3" (R16NR)(1633)
14	EA	36-0440	CAP, CONDUIT, TEMP DB 2"
42	EA	36-0441	CAP, CONDUIT, TEMP DB 3"
96	EA	36-0441	CAP, CONDUIT, TEMP DB 3" (1602)(R16R)
1	EA	36-0441	CAP, CONDUIT, TEMP DB 3" (R16NR)(1633)
20	EA	36-0443	CAP, CNDT, TEMP DB 4"
22	EA	36-0443	CAP, CONDUIT, TEMP DB 4"
20	EA	36-0761	BEND, CONDUIT, DB, 4", 22DEG, 60"R
42	EA	36-0800	BEND, CONDUIT, DB, 3", 22DEG, 36"R
1	EA	36-0800	BEND, CONDUIT, DB, 3", 22DEG, 36"R (R16NR)(1633)
6	EA	36-2615	CABLE RACK SUPPORT KIT (KIT #1) (COMPLETE KIT)
3	EA	37-4945	EMS MARKER, BALL, RED-MAX 5'DEEP-
1	EA	37-4945	EMS MARKER, BALL, RED-MAX 5'DEEP-(R16NR)(1633)
192	EA	38-4198	CABLE PERM CAP, 600V, #1/0 XLP (1600)(R16R)

Qty	Unit	Code	Description
42	EA	38-4198	CAP CABLE PERM,600V, 1/0ALUM
384	EA	38-4199	CABLE PERM CAP,600V,#4/0 XLP (1600)(R16R)
104	EA	38-4199	CAP CABLE PERM,600V, 4/0ALUM
40	EA	38-4200	CAP CABLE PERM,600V, 350ALUM
26	EA	38-4202	CABLE PERM CAP,25KV,1/0 EPR-CONC
1	EA	50-0031	LUBE,CBL PULLING,2.5-GAL.CONT.
1	EA	50-0099	LUBE,CBL PULLING,5-GAL.CONT.
20	EA	50-0117	FRONT END PULL PACK,4-6"
42	EA	50-0118	FRONT END PULL PACK,2-3"
192	EA	50-0118	FRONT END PULL PACK,2-3" (1600)(R16R)
26	EA	50-0118	LUBE,CABLE PULL,FRT END PK,2-3"



Qty	Unit	Code	Description
1	EA	18-7017	CLAMP GROUND ROD 3/4" #6-#1/0 AWG CU CA
1	LB	29-0074	WIRE ELEC BARE CU 2 AWG 10 LB HAND COIL
1	EA	30-0487	SPLICE CABLE STRAIGHT 22 KV 200 A
4	EA	30-3214	CONNECTOR GROUND #10-#1 CABLE-POST
1	RL	38-4095	TAPE ELEC PVC 3/4" X .0085" X 65' BLACK
1352	FT	29-0027	1-1/0AL 22KV EPR-CONC-ENCAP-PE
3	EA	30-0480	ELBOW RECEPTACLE, LB, 25KV 1/0AL (RULE 15)
2	EA	36-2615	CABLE RACK SUPPORT KIT (KIT #1) (COMPLETE KIT)
4	EA	38-4202	CABLE PERM CAP, 25KV, 1/0 EPR-CONC
1	EA	50-0031	LUBE, CBL PULLING, 2.5-GAL. CONT.
6	EA	50-0118	LUBE, CABLE PULL, FRT END PK, 2-3"
96	EA	long lead	MTR, 120/240V, 1PH, 3W (1612)(R16R)

# CIRCUIT MAP CHANGE SHEET

DATE 5/16/2018

SUBSTATION AND CIRCUIT NUMBER VIERRA 1706 SCALE NONE

LOCATION 15200 GOLDEN VALLEY PARKWAY TOWN LATHROP

JOB NO. 31352406 PURPOSE OF WORK NEW BUSINESS- RES

DIVISION STOCKTON MAP NO. X10C PREPARED BY CPL

EQUIP. NO.	LOCATION	TOWN
T936257 <span style="border: 1px solid black; border-radius: 50%; padding: 2px 5px;">86</span>	N/S STREET "S", 260' E/O STREET "T"	LATHROP
T620162 <span style="border: 1px solid black; border-radius: 50%; padding: 2px 5px;">77</span>	S/S STREET "Q", 150' W/O STREET "E"	LATHROP
T769879 <span style="border: 1px solid black; border-radius: 50%; padding: 2px 5px;">2</span>	S/S STREET "V", 280' S/E STREET "C"	LATHROP
T560677 <span style="border: 1px solid black; border-radius: 50%; padding: 2px 5px;">10</span>	S/S STREET "V", 155' W/O STREET "D"	LATHROP
T145267 <span style="border: 1px solid black; border-radius: 50%; padding: 2px 5px;">42</span>	N/S STREET "U", 330' N/W STREET "D"	LATHROP
T968340 <span style="border: 1px solid black; border-radius: 50%; padding: 2px 5px;">34</span>	N/S STREET "U" AT STREET "D"	LATHROP
T387236 <span style="border: 1px solid black; border-radius: 50%; padding: 2px 5px;">50</span>	W/S STREET "T", 230' S/O STREET "C"	LATHROP
T898935 <span style="border: 1px solid black; border-radius: 50%; padding: 2px 5px;">56</span>	S/S STREET "T", 230' W/O STREET "E"	LATHROP
T577935 <span style="border: 1px solid black; border-radius: 50%; padding: 2px 5px;">67</span>	E/S STREET "E" AT STREET "S"	LATHROP
J35219 <span style="border: 1px solid black; border-radius: 50%; padding: 2px 5px;">71</span>	E/S STREET "E", 90' N/O STREET "S"	LATHROP
J36828 <span style="border: 1px solid black; border-radius: 50%; padding: 2px 5px;">805</span>	W/S STREET "E", 90' S/O STREET "U"	LATHROP

SEE KEY SKETCH

FOREMAN SHALL REPORT WITHOUT DELAY ANY WORK THAT IS COMPLETED. FOR PARTIALLY COMPLETED WORK, CIRCLE AND REPORT THAT PORTION COMPLETED AND MARK WITH DATE AND SHOW "COMPLETED".

WORK COMPLETED BY \_\_\_\_\_ DATE \_\_\_\_\_

RECORDED AT OPERATING CENTER BY \_\_\_\_\_ DATE \_\_\_\_\_

MAPPED BY \_\_\_\_\_ DATE \_\_\_\_\_ S.D. \_\_\_\_\_

FORWARD COMPLETED CHANGE SHEET TO \_\_\_\_\_ SKETCH \_\_\_\_\_

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LOCATION NUMBER	801	
FROM	800	
TO	804	
Service Run (Y or N)	No	
	<b>MAKE SELECTION FROM PICK LIST</b>	PULL PACKS
NUMBER OF CABLES	1	4
CONDUCTOR SIZE AND TYPE	1-1/0AL - EPR CONC ENCAP PE-25KV	POURABLE GALS
CONDUIT SIZE & TYPE	2" DB 120	1
COEFICIENT OF FRICTION	0.3	

TOTAL DEGREES IN BENDS = 180 **OKAY**

3

CABLE SECTIONS	SECTION 1	SECTION 2	SECTION 3	SECTION 4	SECTION 5	
LENGTH OF RUN	0	5	570	170	5	
SWEEP RADIUS IN FEET	3	3	3	3	3	
SWEEP ANGLE IN DEGREES	22.5	22.5	90	22.5	22.5	
NUMBER OF CABLES	1	1	1	1	1	
STRAIGHT SECTION TENSION	0	1	132	250	283	
TENSION OUT OF SWEEP	0	2	211	282	318	
TENSION LIMIT OUT OF SWEEP	1500	1500	1500	1500	1500	
MAX. ALLOWABLE TENSION (GRIP/COND)	844/844 lbs.	844/844 lbs.	844/844 lbs.	844/844 lbs.	844/844 lbs.	
JAM RATIO ( possible If between 2.8 - 3.0)	1.84	1.84	1.84	1.84	1.84	
FOR SINGLE CABLE IN CONDUIT	SIDEWALL BEARING PRESSURE SINGLE (SBC)	0.09	0.58	70.50	93.88	106.04
FOR MULTIPLE CABLE CRADLED	SIDEWALL BEARING PRESSURE CRADLED (SBC)	-0.03	-0.19	-23.50	-31.29	-35.35

1. The total number of bends (including factory and non-factory) installed in any conduit run shall not exceed 300 degrees, including the bend at the feed-in location.
2. When the conduit run includes bends (300 degrees or less), the maximum length of the run shall be limited to 800 feet.
3. For secondary, services, and 200 amp primary applications, the conduit run should not exceed 600 feet (90 degree bend to 90 degree bend pull).

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LOCATION NUMBER	803	
FROM	802	
TO	805	
Service Run (Y or N)	No	
	<b>MAKE SELECTION FROM PICK LIST</b>	PULL PACKS
NUMBER OF CABLES	1	2
CONDUCTOR SIZE AND TYPE	1-1/0AL - EPR CONC ENCAP PE-25KV	POURABLE GALS
CONDUIT SIZE & TYPE	2" DB 120	0.75
COEFICIENT OF FRICTION	0.3	

TOTAL DEGREES IN BENDS = 180 **OKAY**

3

CABLE SECTIONS	SECTION 1	SECTION 2	SECTION 3	SECTION 4	SECTION 5	
LENGTH OF RUN	0	5	160	320	5	
SWEEP RADIUS IN FEET	3	3	3	3	3	
SWEEP ANGLE IN DEGREES	22.5	22.5	90	22.5	22.5	
NUMBER OF CABLES	1	1	1	1	1	
STRAIGHT SECTION TENSION	0	1	38	135	153	
TENSION OUT OF SWEEP	0	2	61	151	172	
TENSION LIMIT OUT OF SWEEP	1500	1500	1500	1500	1500	
MAX. ALLOWABLE TENSION (GRIP/COND)	844/844 lbs.	844/844 lbs.	844/844 lbs.	844/844 lbs.	844/844 lbs.	
JAM RATIO ( possible If between 2.8 - 3.0)	1.84	1.84	1.84	1.84	1.84	
FOR SINGLE CABLE IN CONDUIT	SIDEWALL BEARING PRESSURE SINGLE (SBC)	0.09	0.58	20.47	50.46	57.19
FOR MULTIPLE CABLE CRADLED	SIDEWALL BEARING PRESSURE CRADLED (SBC)	-0.03	-0.19	-6.82	-16.82	-19.06

1. The total number of bends (including factory and non-factory) installed in any conduit run shall not exceed 300 degrees, including the bend at the feed-in location.
2. When the conduit run includes bends (300 degrees or less), the maximum length of the run shall be limited to 800 feet.
3. For secondary, services, and 200 amp primary applications, the conduit run should not exceed 600 feet (90 degree bend to 90 degree bend pull).

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LOCATION NUMBER	7	
FROM	10	
TO	2	
Service Run (Y or N)	No	
	<b>MAKE SELECTION FROM PICK LIST</b>	PULL PACKS
NUMBER OF CABLES	1	2
CONDUCTOR SIZE AND TYPE	1-1/0AL - EPR CONC ENCAP PE-25KV	POURABLE GALS
CONDUIT SIZE & TYPE	2" DB 120	0.5
COEFICIENT OF FRICTION	0.3	

TOTAL DEGREES IN BENDS = 225 **OKAY**

3

CABLE SECTIONS	SECTION 1	SECTION 2	SECTION 3	SECTION 4	SECTION 5	
LENGTH OF RUN	0	5	350	5	0	
SWEEP RADIUS IN FEET	3	3	3	3	0	
SWEEP ANGLE IN DEGREES	90	22.5	22.5	90	0	
NUMBER OF CABLES	1	1	1	1	1	
STRAIGHT SECTION TENSION	0	2	83	94	0	
TENSION OUT OF SWEEP	1	3	93	151	0	
TENSION LIMIT OUT OF SWEEP	1500	1500	1500	1500	0	
MAX. ALLOWABLE TENSION (GRIP/COND)	844/844 lbs.	844/844 lbs.	844/844 lbs.	844/844 lbs.	844/844 lbs.	
JAM RATIO ( possible If between 2.8 - 3.0)	1.84	1.84	1.84	1.84	1.84	
FOR SINGLE CABLE IN CONDUIT	SIDEWALL BEARING PRESSURE SINGLE (SBC)	0.37	0.89	31.00	50.26	#DIV/0!
FOR MULTIPLE CABLE CRADLED	SIDEWALL BEARING PRESSURE CRADLED (SBC)	-0.12	-0.30	-10.33	-16.75	#DIV/0!

1. The total number of bends (including factory and non-factory) installed in any conduit run shall not exceed 300 degrees, including the bend at the feed-in location.
2. When the conduit run includes bends (300 degrees or less), the maximum length of the run shall be limited to 800 feet.
3. For secondary, services, and 200 amp primary applications, the conduit run should not exceed 600 feet (90 degree bend to 90 degree bend pull).

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LOCATION NUMBER	17	
FROM	10	
TO	22	
Service Run (Y or N)	No	
	<b>MAKE SELECTION FROM PICK LIST</b>	PULL PACKS
NUMBER OF CABLES	1	2
CONDUCTOR SIZE AND TYPE	1-1/0AL - EPR CONC ENCAP PE-25KV	POURABLE GALS
CONDUIT SIZE & TYPE	2" DB 120	0.5
COEFICIENT OF FRICTION	0.3	

TOTAL DEGREES IN BENDS = 157.5 **OKAY**

3

CABLE SECTIONS	SECTION 1	SECTION 2	SECTION 3	SECTION 4	SECTION 5	
LENGTH OF RUN	0	5	315	5	0	
SWEEP RADIUS IN FEET	3	3	3	3	0	
SWEEP ANGLE IN DEGREES	90	22.5	22.5	22.5	0	
NUMBER OF CABLES	1	1	1	1	1	
STRAIGHT SECTION TENSION	0	2	75	85	0	
TENSION OUT OF SWEEP	1	3	84	96	0	
TENSION LIMIT OUT OF SWEEP	1500	1500	1500	1500	0	
MAX. ALLOWABLE TENSION (GRIP/COND)	844/844 lbs.	844/844 lbs.	844/844 lbs.	844/844 lbs.	844/844 lbs.	
JAM RATIO ( possible If between 2.8 - 3.0)	1.84	1.84	1.84	1.84	1.84	
FOR SINGLE CABLE IN CONDUIT	SIDEWALL BEARING PRESSURE SINGLE (SBC)	0.37	0.89	28.00	31.93	#DIV/0!
FOR MULTIPLE CABLE CRADLED	SIDEWALL BEARING PRESSURE CRADLED (SBC)	-0.12	-0.30	-9.33	-10.64	#DIV/0!

1. The total number of bends (including factory and non-factory) installed in any conduit run shall not exceed 300 degrees, including the bend at the feed-in location.
2. When the conduit run includes bends (300 degrees or less), the maximum length of the run shall be limited to 800 feet.
3. For secondary, services, and 200 amp primary applications, the conduit run should not exceed 600 feet (90 degree bend to 90 degree bend pull).

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<b>LOCATION NUMBER</b>	23	
<b>FROM</b>	34	
<b>TO</b>	20	
<b>Service Run (Y or N)</b>	No	
	<b>MAKE SELECTION FROM PICK LIST</b>	<b>PULL PACKS</b>
<b>NUMBER OF CABLES</b>	1	2
<b>CONDUCTOR SIZE AND TYPE</b>	1-1/0AL - EPR CONC ENCAP PE-25KV	<b>POURABLE GALS</b>
<b>CONDUIT SIZE &amp; TYPE</b>	2" DB 120	0.75
<b>COEFICIENT OF FRICTION</b>	0.3	

TOTAL DEGREES IN BENDS = 247.5 **OKAY**

3

<b>CABLE SECTIONS</b>	<b>SECTION 1</b>	<b>SECTION 2</b>	<b>SECTION 3</b>	<b>SECTION 4</b>	<b>SECTION 5</b>	
<b>LENGTH OF RUN</b>	0	5	180	220	5	
<b>SWEEP RADIUS IN FEET</b>	3	3	3	3	3	
<b>SWEEP ANGLE IN DEGREES</b>	90	22.5	90	22.5	22.5	
<b>NUMBER OF CABLES</b>	1	1	1	1	1	
<b>STRAIGHT SECTION TENSION</b>	0	2	44	120	137	
<b>TENSION OUT OF SWEEP</b>	1	3	70	136	154	
<b>TENSION LIMIT OUT OF SWEEP</b>	1500	1500	1500	1500	1500	
<b>MAX. ALLOWABLE TENSION (GRIP/COND)</b>	844/844 lbs.	844/844 lbs.	844/844 lbs.	844/844 lbs.	844/844 lbs.	
<b>JAM RATIO ( possible If between 2.8 - 3.0)</b>	1.84	1.84	1.84	1.84	1.84	
<b>FOR SINGLE CABLE IN CONDUIT</b>	<b>SIDEWALL BEARING PRESSURE SINGLE (SBC)</b>	0.37	0.89	23.39	45.18	51.25
<b>FOR MULTIPLE CABLE CRADLED</b>	<b>SIDEWALL BEARING PRESSURE CRADLED (SBC)</b>	-0.12	-0.30	-7.80	-15.06	-17.08

1. The total number of bends (including factory and non-factory) installed in any conduit run shall not exceed 300 degrees, including the bend at the feed-in location.
2. When the conduit run includes bends (300 degrees or less), the maximum length of the run shall be limited to 800 feet.
3. For secondary, services, and 200 amp primary applications, the conduit run should not exceed 600 feet (90 degree bend to 90 degree bend pull).

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LOCATION NUMBER	28	
FROM	30	
TO	24	
Service Run (Y or N)	No	
	<b>MAKE SELECTION FROM PICK LIST</b>	PULL PACKS
NUMBER OF CABLES	1	2
CONDUCTOR SIZE AND TYPE	1-1/0AL - EPR CONC ENCAP PE-25KV	POURABLE GALS
CONDUIT SIZE & TYPE	2" DB 120	0.5
COEFICIENT OF FRICTION	0.3	

TOTAL DEGREES IN BENDS = 270 **OKAY**

3

CABLE SECTIONS	SECTION 1	SECTION 2	SECTION 3	SECTION 4	SECTION 5	
LENGTH OF RUN	0	5	120	70	100	
SWEEP RADIUS IN FEET	3	3	3	3	3	
SWEEP ANGLE IN DEGREES	22.5	22.5	90	90	22.5	
NUMBER OF CABLES	1	1	1	1	1	
STRAIGHT SECTION TENSION	0	1	29	63	123	
TENSION OUT OF SWEEP	0	2	47	101	139	
TENSION LIMIT OUT OF SWEEP	1500	1500	1500	1500	1500	
MAX. ALLOWABLE TENSION (GRIP/COND)	844/844 lbs.	844/844 lbs.	844/844 lbs.	844/844 lbs.	844/844 lbs.	
JAM RATIO ( possible If between 2.8 - 3.0)	1.84	1.84	1.84	1.84	1.84	
FOR SINGLE CABLE IN CONDUIT	SIDEWALL BEARING PRESSURE SINGLE (SBC)	0.09	0.58	15.59	33.52	46.28
FOR MULTIPLE CABLE CRADLED	SIDEWALL BEARING PRESSURE CRADLED (SBC)	-0.03	-0.19	-5.20	-11.17	-15.43

1. The total number of bends (including factory and non-factory) installed in any conduit run shall not exceed 300 degrees, including the bend at the feed-in location.
2. When the conduit run includes bends (300 degrees or less), the maximum length of the run shall be limited to 800 feet.
3. For secondary, services, and 200 amp primary applications, the conduit run should not exceed 600 feet (90 degree bend to 90 degree bend pull).



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<b>LOCATION NUMBER</b>	28
<b>FROM</b>	30
<b>TO</b>	24
<b>Service Run (Y or N)</b>	No
	<b>MAKE SELECTION FROM PICK LIST</b>
<b>NUMBER OF CABLES</b>	1
<b>CONDUCTOR SIZE AND TYPE</b>	1-1/0AL - EPR CONC ENCAP PE-25KV
<b>CONDUIT SIZE &amp; TYPE</b>	2" DB 120
<b>COEFICIENT OF FRICTION</b>	0.3



3

<b>CABLE SECTIONS</b>	<b>SECTION 6</b>	<b>SECTION 7</b>	<b>SECTION 8</b>	<b>SECTION 9</b>	<b>SECTION 10</b>
<b>LENGTH OF RUN</b>	5	0	0	0	0
<b>SWEEP RADIUS IN FEET</b>	0	0	0	0	0
<b>SWEEP ANGLE IN DEGREES</b>	22.5	0	0	0	0
<b>NUMBER OF CABLES</b>	1	1	1	1	1
<b>STRAIGHT SECTION TENSION</b>	140	0	0	0	0
<b>TENSION OUT OF SWEEP</b>	157	0	0	0	0
<b>TENSION LIMIT OUT OF SWEEP</b>	0	0	0	0	0
<b>MAX. ALLOWABLE TENSION (GRIP/COND)</b>	844/844 lbs.	844/844 lbs.	844/844 lbs.	844/844 lbs.	844/844 lbs.
<b>JAM RATIO ( possible If between 2.8 - 3.0)</b>	1.84	1.84	1.84	1.84	1.84
<b>FOR SINGLE CABLE IN CONDUIT</b>	<b>SIDEWALL BEARING PRESSURE SINGLE (SBC)</b>	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
<b>FOR MULTIPLE CABLE CRADLED</b>	<b>SIDEWALL BEARING PRESSURE CRADLED (SBC)</b>	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

1. The total number of bends (including factory and non-factory) installed 300 degrees, including the bend at the feed-in location.
2. When the conduit run includes bends (300 degrees or less), the maximum length is 800 feet.
3. For secondary, services, and 200 amp primary applications, the conduit must be pulled in a 90 degree bend to 90 degree bend pull).

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LOCATION NUMBER	29	
FROM	30	
TO	24	
Service Run (Y or N)	No	
	<b>MAKE SELECTION FROM PICK LIST</b>	PULL PACKS
NUMBER OF CABLES	1	2
CONDUCTOR SIZE AND TYPE	1-1/0AL - EPR CONC ENCAP PE-25KV	POURABLE GALS
CONDUIT SIZE & TYPE	2" DB 120	0.5
COEFICIENT OF FRICTION	0.3	

TOTAL DEGREES IN BENDS = 270 **OKAY**

3

CABLE SECTIONS	SECTION 1	SECTION 2	SECTION 3	SECTION 4	SECTION 5	
LENGTH OF RUN	0	5	120	70	100	
SWEEP RADIUS IN FEET	3	3	3	3	3	
SWEEP ANGLE IN DEGREES	22.5	22.5	90	90	22.5	
NUMBER OF CABLES	1	1	1	1	1	
STRAIGHT SECTION TENSION	0	1	29	63	123	
TENSION OUT OF SWEEP	0	2	47	101	139	
TENSION LIMIT OUT OF SWEEP	1500	1500	1500	1500	1500	
MAX. ALLOWABLE TENSION (GRIP/COND)	844/844 lbs.	844/844 lbs.	844/844 lbs.	844/844 lbs.	844/844 lbs.	
JAM RATIO ( possible If between 2.8 - 3.0)	1.84	1.84	1.84	1.84	1.84	
FOR SINGLE CABLE IN CONDUIT	SIDEWALL BEARING PRESSURE SINGLE (SBC)	0.09	0.58	15.59	33.52	46.28
FOR MULTIPLE CABLE CRADLED	SIDEWALL BEARING PRESSURE CRADLED (SBC)	-0.03	-0.19	-5.20	-11.17	-15.43

1. The total number of bends (including factory and non-factory) installed in any conduit run shall not exceed 300 degrees, including the bend at the feed-in location.
2. When the conduit run includes bends (300 degrees or less), the maximum length of the run shall be limited to 800 feet.
3. For secondary, services, and 200 amp primary applications, the conduit run should not exceed 600 feet (90 degree bend to 90 degree bend pull).

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<b>LOCATION NUMBER</b>	29
<b>FROM</b>	30
<b>TO</b>	24
<b>Service Run (Y or N)</b>	No
	<b>MAKE SELECTION FROM PICK LIST</b>
<b>NUMBER OF CABLES</b>	1
<b>CONDUCTOR SIZE AND TYPE</b>	1-1/0AL - EPR CONC ENCAP PE-25KV
<b>CONDUIT SIZE &amp; TYPE</b>	2" DB 120
<b>COEFICIENT OF FRICTION</b>	0.3



3

<b>CABLE SECTIONS</b>	<b>SECTION 6</b>	<b>SECTION 7</b>	<b>SECTION 8</b>	<b>SECTION 9</b>	<b>SECTION 10</b>
<b>LENGTH OF RUN</b>	5	0	0	0	0
<b>SWEEP RADIUS IN FEET</b>	0	0	0	0	0
<b>SWEEP ANGLE IN DEGREES</b>	22.5	0	0	0	0
<b>NUMBER OF CABLES</b>	1	1	1	1	1
<b>STRAIGHT SECTION TENSION</b>	140	0	0	0	0
<b>TENSION OUT OF SWEEP</b>	157	0	0	0	0
<b>TENSION LIMIT OUT OF SWEEP</b>	0	0	0	0	0
<b>MAX. ALLOWABLE TENSION (GRIP/COND)</b>	844/844 lbs.	844/844 lbs.	844/844 lbs.	844/844 lbs.	844/844 lbs.
<b>JAM RATIO ( possible If between 2.8 - 3.0)</b>	1.84	1.84	1.84	1.84	1.84
<b>FOR SINGLE CABLE IN CONDUIT</b>	<b>SIDEWALL BEARING PRESSURE SINGLE (SBC)</b>	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
<b>FOR MULTIPLE CABLE CRADLED</b>	<b>SIDEWALL BEARING PRESSURE CRADLED (SBC)</b>	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

1. The total number of bends (including factory and non-factory) installed 300 degrees, including the bend at the feed-in location.
2. When the conduit run includes bends (300 degrees or less), the maximum length is 800 feet.
3. For secondary, services, and 200 amp primary applications, the conduit must be pulled in a straight line (no 90 degree bend to 90 degree bend pull).

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LOCATION NUMBER	31	
FROM	34	
TO	22	
Service Run (Y or N)	No	
	<b>MAKE SELECTION FROM PICK LIST</b>	PULL PACKS
NUMBER OF CABLES	1	2
CONDUCTOR SIZE AND TYPE	1-1/0AL - EPR CONC ENCAP PE-25KV	POURABLE GALS
CONDUIT SIZE & TYPE	2" DB 120	0
COEFICIENT OF FRICTION	0.3	

TOTAL DEGREES IN BENDS = 247.5 **OKAY**

3

CABLE SECTIONS	SECTION 1	SECTION 2	SECTION 3	SECTION 4	SECTION 5	
LENGTH OF RUN	0	5	65	175	5	
SWEEP RADIUS IN FEET	3	3	3	3	3	
SWEEP ANGLE IN DEGREES	90	22.5	90	22.5	22.5	
NUMBER OF CABLES	1	1	1	1	1	
STRAIGHT SECTION TENSION	0	2	18	68	78	
TENSION OUT OF SWEEP	1	3	28	77	88	
TENSION LIMIT OUT OF SWEEP	1500	1500	1500	1500	1500	
MAX. ALLOWABLE TENSION (GRIP/COND)	844/844 lbs.	844/844 lbs.	844/844 lbs.	844/844 lbs.	844/844 lbs.	
JAM RATIO ( possible If between 2.8 - 3.0)	1.84	1.84	1.84	1.84	1.84	
FOR SINGLE CABLE IN CONDUIT	SIDEWALL BEARING PRESSURE SINGLE (SBC)	0.37	0.89	9.37	25.55	29.17
FOR MULTIPLE CABLE CRADLED	SIDEWALL BEARING PRESSURE CRADLED (SBC)	-0.12	-0.30	-3.12	-8.52	-9.72

1. The total number of bends (including factory and non-factory) installed in any conduit run shall not exceed 300 degrees, including the bend at the feed-in location.
2. When the conduit run includes bends (300 degrees or less), the maximum length of the run shall be limited to 800 feet.
3. For secondary, services, and 200 amp primary applications, the conduit run should not exceed 600 feet (90 degree bend to 90 degree bend pull).

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LOCATION NUMBER	45	
FROM	42	
TO	24	
Service Run (Y or N)	No	
	<b>MAKE SELECTION FROM PICK LIST</b>	PULL PACKS
NUMBER OF CABLES	1	2
CONDUCTOR SIZE AND TYPE	1-1/0AL - EPR CONC ENCAP PE-25KV	POURABLE GALS
CONDUIT SIZE & TYPE	2" DB 120	1
COEFICIENT OF FRICTION	0.3	

TOTAL DEGREES IN BENDS = 247.5 **OKAY**

3

CABLE SECTIONS	SECTION 1	SECTION 2	SECTION 3	SECTION 4	SECTION 5	
LENGTH OF RUN	0	5	470	95	5	
SWEEP RADIUS IN FEET	3	3	3	3	3	
SWEEP ANGLE IN DEGREES	90	22.5	90	22.5	22.5	
NUMBER OF CABLES	1	1	1	1	1	
STRAIGHT SECTION TENSION	0	2	110	198	224	
TENSION OUT OF SWEEP	1	3	176	223	252	
TENSION LIMIT OUT OF SWEEP	1500	1500	1500	1500	1500	
MAX. ALLOWABLE TENSION (GRIP/COND)	844/844 lbs.	844/844 lbs.	844/844 lbs.	844/844 lbs.	844/844 lbs.	
JAM RATIO ( possible If between 2.8 - 3.0)	1.84	1.84	1.84	1.84	1.84	
FOR SINGLE CABLE IN CONDUIT	SIDEWALL BEARING PRESSURE SINGLE (SBC)	0.37	0.89	58.78	74.27	83.98
FOR MULTIPLE CABLE CRADLED	SIDEWALL BEARING PRESSURE CRADLED (SBC)	-0.12	-0.30	-19.59	-24.76	-27.99

1. The total number of bends (including factory and non-factory) installed in any conduit run shall not exceed 300 degrees, including the bend at the feed-in location.
2. When the conduit run includes bends (300 degrees or less), the maximum length of the run shall be limited to 800 feet.
3. For secondary, services, and 200 amp primary applications, the conduit run should not exceed 600 feet (90 degree bend to 90 degree bend pull).

**CABLE PULLING PROGRAM - BY CLIFF LOPES - VERSION 2.0 - COPYRIGHT AUGUST 24 2011**



LOCATION NUMBER	53	
FROM	56	
TO	50	
Service Run (Y or N)	No	
	<b>MAKE SELECTION FROM PICK LIST</b>	PULL PACKS
NUMBER OF CABLES	1	2
CONDUCTOR SIZE AND TYPE	1-1/0AL - EPR CONC ENCAP PE-25KV	POURABLE GALS
CONDUIT SIZE & TYPE	2" DB 120	0
COEFICIENT OF FRICTION	0.3	

TOTAL DEGREES IN BENDS = 225 **OKAY**

3

CABLE SECTIONS	SECTION 1	SECTION 2	SECTION 3	SECTION 4	SECTION 5	
LENGTH OF RUN	0	5	230	5	0	
SWEEP RADIUS IN FEET	3	3	3	3	0	
SWEEP ANGLE IN DEGREES	90	22.5	22.5	90	0	
NUMBER OF CABLES	1	1	1	1	1	
STRAIGHT SECTION TENSION	0	2	55	63	0	
TENSION OUT OF SWEEP	1	3	62	101	0	
TENSION LIMIT OUT OF SWEEP	1500	1500	1500	1500	0	
MAX. ALLOWABLE TENSION (GRIP/COND)	844/844 lbs.	844/844 lbs.	844/844 lbs.	844/844 lbs.	844/844 lbs.	
JAM RATIO ( possible If between 2.8 - 3.0)	1.84	1.84	1.84	1.84	1.84	
FOR SINGLE CABLE IN CONDUIT	SIDEWALL BEARING PRESSURE SINGLE (SBC)	0.37	0.89	20.71	33.79	#DIV/0!
FOR MULTIPLE CABLE CRADLED	SIDEWALL BEARING PRESSURE CRADLED (SBC)	-0.12	-0.30	-6.90	-11.26	#DIV/0!

1. The total number of bends (including factory and non-factory) installed in any conduit run shall not exceed 300 degrees, including the bend at the feed-in location.
2. When the conduit run includes bends (300 degrees or less), the maximum length of the run shall be limited to 800 feet.
3. For secondary, services, and 200 amp primary applications, the conduit run should not exceed 600 feet (90 degree bend to 90 degree bend pull).

**CABLE PULLING PROGRAM - BY CLIFF LOPES - VERSION 2.0 - COPYRIGHT AUGUST 24 2011**



LOCATION NUMBER	61	
FROM	56	
TO	30	
Service Run (Y or N)	No	
	<b>MAKE SELECTION FROM PICK LIST</b>	PULL PACKS
NUMBER OF CABLES	1	2
CONDUCTOR SIZE AND TYPE	1-1/0AL - EPR CONC ENCAP PE-25KV	POURABLE GALS
CONDUIT SIZE & TYPE	2" DB 120	0.5
COEFICIENT OF FRICTION	0.3	

TOTAL DEGREES IN BENDS = 247.5 **OKAY**

3

CABLE SECTIONS	SECTION 1	SECTION 2	SECTION 3	SECTION 4	SECTION 5	
LENGTH OF RUN	0	5	230	75	5	
SWEEP RADIUS IN FEET	3	3	3	3	0	
SWEEP ANGLE IN DEGREES	90	22.5	90	22.5	22.5	
NUMBER OF CABLES	1	1	1	1	1	
STRAIGHT SECTION TENSION	0	2	55	106	120	
TENSION OUT OF SWEEP	1	3	88	119	135	
TENSION LIMIT OUT OF SWEEP	1500	1500	1500	1500	0	
MAX. ALLOWABLE TENSION (GRIP/COND)	844/844 lbs.	844/844 lbs.	844/844 lbs.	844/844 lbs.	844/844 lbs.	
JAM RATIO ( possible If between 2.8 - 3.0)	1.84	1.84	1.84	1.84	1.84	
FOR SINGLE CABLE IN CONDUIT	SIDEWALL BEARING PRESSURE SINGLE (SBC)	0.37	0.89	29.49	39.61	#DIV/0!
FOR MULTIPLE CABLE CRADLED	SIDEWALL BEARING PRESSURE CRADLED (SBC)	-0.12	-0.30	-9.83	-13.20	#DIV/0!

1. The total number of bends (including factory and non-factory) installed in any conduit run shall not exceed 300 degrees, including the bend at the feed-in location.
2. When the conduit run includes bends (300 degrees or less), the maximum length of the run shall be limited to 800 feet.
3. For secondary, services, and 200 amp primary applications, the conduit run should not exceed 600 feet (90 degree bend to 90 degree bend pull).

**CABLE PULLING PROGRAM - BY CLIFF LOPES - VERSION 2.0 - COPYRIGHT AUGUST 24 2011**



LOCATION NUMBER	62	
FROM	67	
TO	30	
Service Run (Y or N)	No	
	<b>MAKE SELECTION FROM PICK LIST</b>	PULL PACKS
NUMBER OF CABLES	1	2
CONDUCTOR SIZE AND TYPE	1-1/0AL - EPR CONC ENCAP PE-25KV	POURABLE GALS
CONDUIT SIZE & TYPE	2" DB 120	0.75
COEFICIENT OF FRICTION	0.3	

TOTAL DEGREES IN BENDS = 157.5 **OKAY**

3

CABLE SECTIONS	SECTION 1	SECTION 2	SECTION 3	SECTION 4	SECTION 5	
LENGTH OF RUN	0	5	390	5	0	
SWEEP RADIUS IN FEET	3	3	3	3	0	
SWEEP ANGLE IN DEGREES	90	22.5	22.5	22.5	0	
NUMBER OF CABLES	1	1	1	1	1	
STRAIGHT SECTION TENSION	0	2	92	104	0	
TENSION OUT OF SWEEP	1	3	103	117	0	
TENSION LIMIT OUT OF SWEEP	1500	1500	1500	1500	0	
MAX. ALLOWABLE TENSION (GRIP/COND)	844/844 lbs.	844/844 lbs.	844/844 lbs.	844/844 lbs.	844/844 lbs.	
JAM RATIO ( possible If between 2.8 - 3.0)	1.84	1.84	1.84	1.84	1.84	
FOR SINGLE CABLE IN CONDUIT	SIDEWALL BEARING PRESSURE SINGLE (SBC)	0.37	0.89	34.43	39.16	#DIV/0!
FOR MULTIPLE CABLE CRADLED	SIDEWALL BEARING PRESSURE CRADLED (SBC)	-0.12	-0.30	-11.48	-13.05	#DIV/0!

1. The total number of bends (including factory and non-factory) installed in any conduit run shall not exceed 300 degrees, including the bend at the feed-in location.
2. When the conduit run includes bends (300 degrees or less), the maximum length of the run shall be limited to 800 feet.
3. For secondary, services, and 200 amp primary applications, the conduit run should not exceed 600 feet (90 degree bend to 90 degree bend pull).



**CABLE PULLING PROGRAM - BY CLIFF LOPES - VERSION 2.0 - COPYRIGHT AUGUST 24 2011**



LOCATION NUMBER	70	
FROM	67	
TO	71	
Service Run (Y or N)	No	
	<b>MAKE SELECTION FROM PICK LIST</b>	PULL PACKS
NUMBER OF CABLES	1	1
CONDUCTOR SIZE AND TYPE	1-1/0AL - EPR CONC ENCAP PE-25KV	POURABLE GALS
CONDUIT SIZE & TYPE	2" DB 120	0
COEFICIENT OF FRICTION	0.3	

TOTAL DEGREES IN BENDS = 157.5 **OKAY**

3

CABLE SECTIONS	SECTION 1	SECTION 2	SECTION 3	SECTION 4	SECTION 5	
LENGTH OF RUN	0	5	110	5	0	
SWEEP RADIUS IN FEET	3	3	3	3	0	
SWEEP ANGLE IN DEGREES	90	22.5	22.5	22.5	0	
NUMBER OF CABLES	1	1	1	1	1	
STRAIGHT SECTION TENSION	0	2	28	32	0	
TENSION OUT OF SWEEP	1	3	31	36	0	
TENSION LIMIT OUT OF SWEEP	1500	1500	1500	1500	0	
MAX. ALLOWABLE TENSION (GRIP/COND)	844/844 lbs.	844/844 lbs.	844/844 lbs.	844/844 lbs.	844/844 lbs.	
JAM RATIO ( possible If between 2.8 - 3.0)	1.84	1.84	1.84	1.84	1.84	
FOR SINGLE CABLE IN CONDUIT	SIDEWALL BEARING PRESSURE SINGLE (SBC)	0.37	0.89	10.43	12.16	#DIV/0!
FOR MULTIPLE CABLE CRADLED	SIDEWALL BEARING PRESSURE CRADLED (SBC)	-0.12	-0.30	-3.48	-4.05	#DIV/0!

1. The total number of bends (including factory and non-factory) installed in any conduit run shall not exceed 300 degrees, including the bend at the feed-in location.
2. When the conduit run includes bends (300 degrees or less), the maximum length of the run shall be limited to 800 feet.
3. For secondary, services, and 200 amp primary applications, the conduit run should not exceed 600 feet (90 degree bend to 90 degree bend pull).

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LOCATION NUMBER	74	
FROM	77	
TO	71	
Service Run (Y or N)	No	
	<b>MAKE SELECTION FROM PICK LIST</b>	PULL PACKS
NUMBER OF CABLES	1	2
CONDUCTOR SIZE AND TYPE	1-1/0AL - EPR CONC ENCAP PE-25KV	POURABLE GALS
CONDUIT SIZE & TYPE	2" DB 120	0.5
COEFICIENT OF FRICTION	0.3	

TOTAL DEGREES IN BENDS = 247.5 **OKAY**

3

CABLE SECTIONS	SECTION 1	SECTION 2	SECTION 3	SECTION 4	SECTION 5	
LENGTH OF RUN	0	5	180	135	5	
SWEEP RADIUS IN FEET	3	3	3	3	0	
SWEEP ANGLE IN DEGREES	90	22.5	90	22.5	22.5	
NUMBER OF CABLES	1	1	1	1	1	
STRAIGHT SECTION TENSION	0	2	44	101	115	
TENSION OUT OF SWEEP	1	3	70	114	129	
TENSION LIMIT OUT OF SWEEP	1500	1500	1500	1500	0	
MAX. ALLOWABLE TENSION (GRIP/COND)	844/844 lbs.	844/844 lbs.	844/844 lbs.	844/844 lbs.	844/844 lbs.	
JAM RATIO ( possible If between 2.8 - 3.0)	1.84	1.84	1.84	1.84	1.84	
FOR SINGLE CABLE IN CONDUIT	SIDEWALL BEARING PRESSURE SINGLE (SBC)	0.37	0.89	23.39	37.89	#DIV/0!
FOR MULTIPLE CABLE CRADLED	SIDEWALL BEARING PRESSURE CRADLED (SBC)	-0.12	-0.30	-7.80	-12.63	#DIV/0!

1. The total number of bends (including factory and non-factory) installed in any conduit run shall not exceed 300 degrees, including the bend at the feed-in location.
2. When the conduit run includes bends (300 degrees or less), the maximum length of the run shall be limited to 800 feet.
3. For secondary, services, and 200 amp primary applications, the conduit run should not exceed 600 feet (90 degree bend to 90 degree bend pull).

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LOCATION NUMBER	93	
FROM	86	
TO	71	
Service Run (Y or N)	No	
	<b>MAKE SELECTION FROM PICK LIST</b>	PULL PACKS
NUMBER OF CABLES	1	2
CONDUCTOR SIZE AND TYPE	1-1/0AL - EPR CONC ENCAP PE-25KV	POURABLE GALS
CONDUIT SIZE & TYPE	2" DB 120	1
COEFICIENT OF FRICTION	0.3	

TOTAL DEGREES IN BENDS = 247.5 **OKAY**

3

CABLE SECTIONS	SECTION 1	SECTION 2	SECTION 3	SECTION 4	SECTION 5	
LENGTH OF RUN	0	5	470	65	5	
SWEEP RADIUS IN FEET	3	3	3	3	0	
SWEEP ANGLE IN DEGREES	90	22.5	90	22.5	22.5	
NUMBER OF CABLES	1	1	1	1	1	
STRAIGHT SECTION TENSION	0	2	110	191	216	
TENSION OUT OF SWEEP	1	3	176	215	243	
TENSION LIMIT OUT OF SWEEP	1500	1500	1500	1500	0	
MAX. ALLOWABLE TENSION (GRIP/COND)	844/844 lbs.	844/844 lbs.	844/844 lbs.	844/844 lbs.	844/844 lbs.	
JAM RATIO ( possible If between 2.8 - 3.0)	1.84	1.84	1.84	1.84	1.84	
FOR SINGLE CABLE IN CONDUIT	SIDEWALL BEARING PRESSURE SINGLE (SBC)	0.37	0.89	58.78	71.70	#DIV/0!
FOR MULTIPLE CABLE CRADLED	SIDEWALL BEARING PRESSURE CRADLED (SBC)	-0.12	-0.30	-19.59	-23.90	#DIV/0!

1. The total number of bends (including factory and non-factory) installed in any conduit run shall not exceed 300 degrees, including the bend at the feed-in location.
2. When the conduit run includes bends (300 degrees or less), the maximum length of the run shall be limited to 800 feet.
3. For secondary, services, and 200 amp primary applications, the conduit run should not exceed 600 feet (90 degree bend to 90 degree bend pull).

PM NUMBER	31352406	APPLICANT	GDSI
NOTIFICATION		JOB LOCATION	LATHROP
SF	TYPE RESIDENCE (SF=Single Family M=Mobile or Manufactured Home, Apt=Apartment)		
1.00	Load Multiplier		
126 - 225	MAIN SWITCH		
3325	AVERAGE SQUARE FOOTAGE		
6-2	DEMAND TABLE REFERENCE		
PM	TX TYPE - PM = PADMOUNT, SS-HZ = SUBSURFACE, OH = OVERHEAD		
1.7	LOCK ROTOR AMPS - MULTIPLIER		



SI - Res	TEMPERATURE AREA
6-2	SUMMER PEAK - R&S - WITH A/C
6-3	SUMMER PEAK - R - NO A/C
6-4	SUMMER PEAK - S - NO A/C
6-5	SUMMER PEAK - T - NO A/C
6-6	SUMMER PEAK - X - WITH A/C
6-7	SUMMER PEAK - X - NO A/C
6-8	WINTER PEAK - S, R, & X - NO HEAT
6-9	WINTER PEAK - S, R, & X - WITH HEAT
6-10	WINTER PEAK - T - NO HEAT
6-11	WINTER PEAK - T - WITH HEAT

TFR #	T145267	TOTAL #CUST	KVA	SPEC KVA	TRANSFORMER PER CAPABILITY TABLES	ACTUAL TRANSFORMER SIZE (see note)	.95 PF VD DROP	.85 PF VD DROP	.95 PF 120v VF	.85 PF 240v VF
		10	82		50 PM	100-PM-21Y/12	1.45	1.77	0.15	0.901

BRANCH A										
SECTION	DISTANCE	TOTAL #CUST	KVA	SPEC KVA	AMPS	Select Conductor	.95 PF VD DROP	.85 PF VD DROP	.95 PF 120v VF	.85 PF 240v VF
1	190	6	54	0	225	350A	2.62	2.65	1.5	2.00
2	165	1	15.8	0	66	4/0A	1.02	0.99	2.3	2.55
3	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
4	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
5	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
6	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
7	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
8	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
LOT #	37					TOTAL	5.09	5.41	3.89	5.46

BRANCH B										
SECTION	DISTANCE	TOTAL #CUST	KVA	SPEC KVA	AMPS	Select Conductor	.95 PF VD DROP	.85 PF VD DROP	.95 PF 120v VF	.85 PF 240v VF
1	64	4	40	0	167	4/0A	1.00	0.98	0.9	0.99
2	114	1	15.8	0	66	4/0A	0.71	0.69	1.6	1.76
3	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
4	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
5	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
6	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
7	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
8	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
LOT #	32					TOTAL	3.16	3.43	2.59	3.65

BRANCH C										
SECTION	DISTANCE	TOTAL #CUST	KVA	SPEC KVA	AMPS	Select Conductor	.95 PF VD DROP	.85 PF VD DROP	.95 PF 120v VF	.85 PF 240v VF
1	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
2	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
3	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
4	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
5	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
6	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
7	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
8	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
LOT #						TOTAL	1.45	1.77	0.15	0.90

PM NUMBER	31352406	APPLICANT	GDSI
NOTIFICATION		JOB LOCATION	LATHROP
SF	TYPE RESIDENCE (SF=Single Family M=Mobile or Manufactured Home, Apt=Apartment)		
1.00	Load Multiplier		
126 - 225	MAIN SWITCH		
3325	AVERAGE SQUARE FOOTAGE		
6-2	DEMAND TABLE REFERENCE		
PM	TX TYPE - PM = PADMOUNT, SS-HZ = SUBSURFACE, OH = OVERHEAD		
1.7	LOCK ROTOR AMPS - MULTIPLIER		



SI - Res	TEMPERATURE AREA
6-2	SUMMER PEAK - R&S - WITH A/C
6-3	SUMMER PEAK - R - NO A/C
6-4	SUMMER PEAK - S - NO A/C
6-5	SUMMER PEAK - T - NO A/C
6-6	SUMMER PEAK - X - WITH A/C
6-7	SUMMER PEAK - X - NO A/C
6-8	WINTER PEAK - S, R, & X - NO HEAT
6-9	WINTER PEAK - S, R, & X - WITH HEAT
6-10	WINTER PEAK - T - NO HEAT
6-11	WINTER PEAK - T - WITH HEAT

TFR #	T387236	TOTAL #CUST	KVA	SPEC KVA	TRANSFORMER PER CAPABILITY TABLES	ACTUAL TRANSFORMER SIZE (see note)	.95 PF VD DROP	.85 PF VD DROP	.95 PF 120v VF	.85 PF 240v VF
		6	54		50 PM	50-PM-21Y/12	2.26	2.61	0.32	1.7

BRANCH A										
SECTION	DISTANCE	TOTAL #CUST	KVA	SPEC KVA	AMPS	Select Conductor	.95 PF VD DROP	.85 PF VD DROP	.95 PF 120v VF	.85 PF 240v VF
1	74	4	40	0	167	4/0A	1.16	1.13	1.0	1.14
2	159	1	15.8	0	66	4/0A	0.98	0.96	2.2	2.46
3	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
4	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
5	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
6	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
7	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
8	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
LOT #	59					TOTAL	4.41	4.69	3.51	5.30

BRANCH B										
SECTION	DISTANCE	TOTAL #CUST	KVA	SPEC KVA	AMPS	Select Conductor	.95 PF VD DROP	.85 PF VD DROP	.95 PF 120v VF	.85 PF 240v VF
1	74	2	25	0	104	4/0A	0.73	0.70	1.0	1.14
2	39	1	15.8	0	66	4/0A	0.24	0.23	0.5	0.60
3	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
4	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
5	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
6	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
7	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
8	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
LOT #	54					TOTAL	3.23	3.55	1.87	3.45

BRANCH C										
SECTION	DISTANCE	TOTAL #CUST	KVA	SPEC KVA	AMPS	Select Conductor	.95 PF VD DROP	.85 PF VD DROP	.95 PF 120v VF	.85 PF 240v VF
1	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
2	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
3	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
4	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
5	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
6	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
7	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
8	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
LOT #						TOTAL	2.26	2.61	0.32	1.70

PM NUMBER	31352406	APPLICANT	GDSI
NOTIFICATION		JOB LOCATION	LATHROP
SF	TYPE RESIDENCE (SF=Single Family M=Mobile or Manufactured Home, Apt=Apartment)		
1.00	Load Multiplier		
126 - 225	MAIN SWITCH		
3325	AVERAGE SQUARE FOOTAGE		
6-2	DEMAND TABLE REFERENCE		
PM	TX TYPE - PM = PADMOUNT, SS-HZ = SUBSURFACE, OH = OVERHEAD		
1.7	LOCK ROTOR AMPS - MULTIPLIER		



SI - Res	TEMPERATURE AREA
6-2	SUMMER PEAK - R&S - WITH A/C
6-3	SUMMER PEAK - R - NO A/C
6-4	SUMMER PEAK - S - NO A/C
6-5	SUMMER PEAK - T - NO A/C
6-6	SUMMER PEAK - X - WITH A/C
6-7	SUMMER PEAK - X - NO A/C
6-8	WINTER PEAK - S, R, & X - NO HEAT
6-9	WINTER PEAK - S, R, & X - WITH HEAT
6-10	WINTER PEAK - T - NO HEAT
6-11	WINTER PEAK - T - WITH HEAT

TFR #	T560677	TOTAL #CUST	KVA	SPEC KVA	TRANSFORMER PER CAPABILITY TABLES	ACTUAL TRANSFORMER SIZE (see note)	.95 PF VD DROP	.85 PF VD DROP	.95 PF 120v VF	.85 PF 240v VF
		13	100		100 PM	100-PM-21Y/12	1.77	2.16	0.15	0.901

BRANCH A										
SECTION	DISTANCE	TOTAL #CUST	KVA	SPEC KVA	AMPS	Select Conductor	.95 PF VD DROP	.85 PF VD DROP	.95 PF 120v VF	.85 PF 240v VF
1	75	5	47	0	196	4/0A	1.38	1.34	1.0	1.16
2	160	1	15.8	0	66	4/0A	0.99	0.96	2.2	2.48
3	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
4	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
5	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
6	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
7	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
8	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
LOT #	24					TOTAL	4.14	4.46	3.37	4.54

BRANCH B										
SECTION	DISTANCE	TOTAL #CUST	KVA	SPEC KVA	AMPS	Select Conductor	.95 PF VD DROP	.85 PF VD DROP	.95 PF 120v VF	.85 PF 240v VF
1	75	8	68	0	283	350A	1.30	1.32	0.6	0.79
2	130	4	40	0	167	350A	1.33	1.34	1.0	1.37
3	124	2	25	0	104	4/0A	1.22	1.18	1.7	1.92
4	39	1	15.8	0	66	4/0A	0.24	0.23	0.5	0.60
5	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
6	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
7	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
8	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
LOT #	16					TOTAL	5.85	6.23	3.98	5.58

BRANCH C										
SECTION	DISTANCE	TOTAL #CUST	KVA	SPEC KVA	AMPS	Select Conductor	.95 PF VD DROP	.85 PF VD DROP	.95 PF 120v VF	.85 PF 240v VF
1	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
2	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
3	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
4	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
5	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
6	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
7	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
8	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
LOT #						TOTAL	1.77	2.16	0.15	0.90

LOAD / VD/ FD - WRITTEN BY CLIFF LOPES - VERSION 2.75 Copyright Oct 12, 2009

PM NUMBER	31352406	APPLICANT	GDSI
NOTIFICATION		JOB LOCATION	LATHROP
SF	TYPE RESIDENCE (SF=Single Family M=Mobile or Manufactured Home, Apt=Apartment)		
1.00	Load Multiplier		
126 - 225	MAIN SWITCH		
3325	AVERAGE SQUARE FOOTAGE		
6-2	DEMAND TABLE REFERENCE		
PM	TX TYPE - PM = PADMOUNT, SS-HZ = SUBSURFACE, OH = OVERHEAD		
1.7	LOCK ROTOR AMPS - MULTIPLIER		



SI - Res	TEMPERATURE AREA
6-2	SUMMER PEAK - R&S - WITH A/C
6-3	SUMMER PEAK - R - NO A/C
6-4	SUMMER PEAK - S - NO A/C
6-5	SUMMER PEAK - T - NO A/C
6-6	SUMMER PEAK - X - WITH A/C
6-7	SUMMER PEAK - X - NO A/C
6-8	WINTER PEAK - S, R, & X - NO HEAT
6-9	WINTER PEAK - S, R, & X - WITH HEAT
6-10	WINTER PEAK - T - NO HEAT
6-11	WINTER PEAK - T - WITH HEAT

TFR #	T577935	TOTAL #CUST	KVA	SPEC KVA	TRANSFORMER PER CAPABILITY TABLES	ACTUAL TRANSFORMER SIZE (see note)	.95 PF VD DROP	.85 PF VD DROP	.95 PF 120v VF	.85 PF 240v VF
		12	92		100 PM	100-PM-21Y/12	1.62	1.99	0.15	0.901

BRANCH A										
SECTION	DISTANCE	TOTAL #CUST	KVA	SPEC KVA	AMPS	Select Conductor	.95 PF VD DROP	.85 PF VD DROP	.95 PF 120v VF	.85 PF 240v VF
1	69	4	40	0	167	4/0A	1.08	1.05	0.9	1.07
2	129	2	25	0	104	4/0A	1.26	1.23	1.8	2.00
3	39	1	15.8	0	66	4/0A	0.24	0.23	0.5	0.60
4	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
5	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
6	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
7	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
8	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
LOT #	96					TOTAL	4.21	4.50	3.40	4.57

BRANCH B										
SECTION	DISTANCE	TOTAL #CUST	KVA	SPEC KVA	AMPS	Select Conductor	.95 PF VD DROP	.85 PF VD DROP	.95 PF 120v VF	.85 PF 240v VF
1	69	4	40	0	167	4/0A	1.08	1.05	0.9	1.07
2	129	2	25	0	104	4/0A	1.26	1.23	1.8	2.00
3	39	1	15.8	0	66	4/0A	0.24	0.23	0.5	0.60
4	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
5	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
6	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
7	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
8	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
LOT #	89					TOTAL	4.21	4.50	3.40	4.57

BRANCH C										
SECTION	DISTANCE	TOTAL #CUST	KVA	SPEC KVA	AMPS	Select Conductor	.95 PF VD DROP	.85 PF VD DROP	.95 PF 120v VF	.85 PF 240v VF
1	209	4	40	0	167	4/0A	3.28	3.19	2.9	3.23
2	124	1	15.8	0	66	4/0A	0.77	0.75	1.7	1.92
3	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
4	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
5	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
6	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
7	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
8	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
LOT #	66					TOTAL	5.67	5.92	4.71	6.05

PM NUMBER	31352406	APPLICANT	GDSI
NOTIFICATION		JOB LOCATION	LATHROP
SF	TYPE RESIDENCE (SF=Single Family M=Mobile or Manufactured Home, Apt=Apartment)		
1.00	Load Multiplier		
126 - 225	MAIN SWITCH		
3325	AVERAGE SQUARE FOOTAGE		
6-2	DEMAND TABLE REFERENCE		
PM	TX TYPE - PM = PADMOUNT, SS-HZ = SUBSURFACE, OH = OVERHEAD		
1.7	LOCK ROTOR AMPS - MULTIPLIER		



SI - Res	TEMPERATURE AREA
6-2	SUMMER PEAK - R&S - WITH A/C
6-3	SUMMER PEAK - R - NO A/C
6-4	SUMMER PEAK - S - NO A/C
6-5	SUMMER PEAK - T - NO A/C
6-6	SUMMER PEAK - X - WITH A/C
6-7	SUMMER PEAK - X - NO A/C
6-8	WINTER PEAK - S, R, & X - NO HEAT
6-9	WINTER PEAK - S, R, & X - WITH HEAT
6-10	WINTER PEAK - T - NO HEAT
6-11	WINTER PEAK - T - WITH HEAT

TFR #	T620162	TOTAL #CUST	KVA	SPEC KVA	TRANSFORMER PER CAPABILITY TABLES	ACTUAL TRANSFORMER SIZE (see note)	.95 PF VD DROP	.85 PF VD DROP	.95 PF 120v VF	.85 PF 240v VF
		7	61		50 PM	50-PM-21Y/12	2.56	2.94	0.32	1.7

BRANCH A										
SECTION	DISTANCE	TOTAL #CUST	KVA	SPEC KVA	AMPS	Select Conductor	.95 PF VD DROP	.85 PF VD DROP	.95 PF 120v VF	.85 PF 240v VF
1	74	5	47	0	196	350A	0.89	0.90	0.6	0.78
2	139	3	32	0	133	4/0A	1.74	1.69	1.9	2.15
3	104	1	15.8	0	66	4/0A	0.64	0.63	1.4	1.61
4	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
5	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
6	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
7	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
8	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
LOT #	88					TOTAL	5.83	6.16	4.23	6.24

BRANCH B										
SECTION	DISTANCE	TOTAL #CUST	KVA	SPEC KVA	AMPS	Select Conductor	.95 PF VD DROP	.85 PF VD DROP	.95 PF 120v VF	.85 PF 240v VF
1	74	2	25	0	104	4/0A	0.73	0.70	1.0	1.14
2	39	1	15.8	0	66	4/0A	0.24	0.23	0.5	0.60
3	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
4	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
5	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
6	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
7	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
8	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
LOT #	82					TOTAL	3.52	3.88	1.87	3.45

BRANCH C										
SECTION	DISTANCE	TOTAL #CUST	KVA	SPEC KVA	AMPS	Select Conductor	.95 PF VD DROP	.85 PF VD DROP	.95 PF 120v VF	.85 PF 240v VF
1	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
2	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
3	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
4	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
5	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
6	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
7	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
8	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
LOT #						TOTAL	2.56	2.94	0.32	1.70



PM NUMBER	31352406	APPLICANT	GDSI
NOTIFICATION		JOB LOCATION	LATHROP
SF	TYPE RESIDENCE (SF=Single Family M=Mobile or Manufactured Home, Apt=Apartment)		
1.00	Load Multiplier		
126 - 225	MAIN SWITCH		
3325	AVERAGE SQUARE FOOTAGE		
6-2	DEMAND TABLE REFERENCE		
PM	TX TYPE - PM = PADMOUNT, SS-HZ = SUBSURFACE, OH = OVERHEAD		
1.7	LOCK ROTOR AMPS - MULTIPLIER		



SI - Res	TEMPERATURE AREA
6-2	SUMMER PEAK - R&S - WITH A/C
6-3	SUMMER PEAK - R - NO A/C
6-4	SUMMER PEAK - S - NO A/C
6-5	SUMMER PEAK - T - NO A/C
6-6	SUMMER PEAK - X - WITH A/C
6-7	SUMMER PEAK - X - NO A/C
6-8	WINTER PEAK - S, R, & X - NO HEAT
6-9	WINTER PEAK - S, R, & X - WITH HEAT
6-10	WINTER PEAK - T - NO HEAT
6-11	WINTER PEAK - T - WITH HEAT

TFR #	T769879	TOTAL #CUST	KVA	SPEC KVA	TRANSFORMER PER CAPABILITY TABLES	ACTUAL TRANSFORMER SIZE (see note)	.95 PF VD DROP	.85 PF VD DROP	.95 PF 120v VF	.85 PF 240v VF
		13	100		100 PM	100-PM-21Y/12	1.77	2.16	0.15	0.901

BRANCH A										
SECTION	DISTANCE	TOTAL #CUST	KVA	SPEC KVA	AMPS	Select Conductor	.95 PF VD DROP	.85 PF VD DROP	.95 PF 120v VF	.85 PF 240v VF
1	65	6	54	0	225	350A	0.90	0.91	0.5	0.69
2	130	2	25	0	104	4/0A	1.27	1.24	1.8	2.01
3	39	1	15.8	0	66	4/0A	0.24	0.23	0.5	0.60
4	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
5	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
6	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
7	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
8	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
LOT #	1					TOTAL	4.18	4.54	2.97	4.20

BRANCH B										
SECTION	DISTANCE	TOTAL #CUST	KVA	SPEC KVA	AMPS	Select Conductor	.95 PF VD DROP	.85 PF VD DROP	.95 PF 120v VF	.85 PF 240v VF
1	64	7	61	0	254	350A	1.00	1.01	0.5	0.67
2	129	3	32	0	133	4/0A	1.62	1.57	1.8	2.00
3	114	1	15.8	0	66	4/0A	0.71	0.69	1.6	1.76
4	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
5	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
6	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
7	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
8	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
LOT #	23					TOTAL	5.09	5.42	3.98	5.33

BRANCH C										
SECTION	DISTANCE	TOTAL #CUST	KVA	SPEC KVA	AMPS	Select Conductor	.95 PF VD DROP	.85 PF VD DROP	.95 PF 120v VF	.85 PF 240v VF
1	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
2	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
3	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
4	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
5	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
6	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
7	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
8	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
LOT #						TOTAL	1.77	2.16	0.15	0.90

PM NUMBER	31352406	APPLICANT	GDSI
NOTIFICATION		JOB LOCATION	LATHROP
SF	TYPE RESIDENCE (SF=Single Family M=Mobile or Manufactured Home, Apt=Apartment)		
1.00	Load Multiplier		
126 - 225	MAIN SWITCH		
3325	AVERAGE SQUARE FOOTAGE		
6-2	DEMAND TABLE REFERENCE		
PM	TX TYPE - PM = PADMOUNT, SS-HZ = SUBSURFACE, OH = OVERHEAD		
1.7	LOCK ROTOR AMPS - MULTIPLIER		



SI - Res	TEMPERATURE AREA
6-2	SUMMER PEAK - R&S - WITH A/C
6-3	SUMMER PEAK - R - NO A/C
6-4	SUMMER PEAK - S - NO A/C
6-5	SUMMER PEAK - T - NO A/C
6-6	SUMMER PEAK - X - WITH A/C
6-7	SUMMER PEAK - X - NO A/C
6-8	WINTER PEAK - S, R, & X - NO HEAT
6-9	WINTER PEAK - S, R, & X - WITH HEAT
6-10	WINTER PEAK - T - NO HEAT
6-11	WINTER PEAK - T - WITH HEAT

TFR #	T898935	TOTAL #CUST	KVA	SPEC KVA	TRANSFORMER PER CAPABILITY TABLES	ACTUAL TRANSFORMER SIZE (see note)	.95 PF VD DROP	.85 PF VD DROP	.95 PF 120v VF	.85 PF 240v VF
		10	82		50 PM	100-PM-21Y/12	1.45	1.77	0.15	0.901

BRANCH A										
SECTION	DISTANCE	TOTAL #CUST	KVA	SPEC KVA	AMPS	Select Conductor	.95 PF VD DROP	.85 PF VD DROP	.95 PF 120v VF	.85 PF 240v VF
1	74	4	40	0	167	4/0A	1.16	1.13	1.0	1.14
2	129	1	15.8	0	66	4/0A	0.80	0.78	1.8	2.00
3	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
4	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
5	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
6	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
7	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
8	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
LOT #	61					TOTAL	3.41	3.67	2.93	4.04

BRANCH B										
SECTION	DISTANCE	TOTAL #CUST	KVA	SPEC KVA	AMPS	Select Conductor	.95 PF VD DROP	.85 PF VD DROP	.95 PF 120v VF	.85 PF 240v VF
1	74	6	54	0	225	350A	1.02	1.03	0.6	0.78
2	74	2	25	0	104	4/0A	0.73	0.70	1.0	1.14
3	119	1	15.8	0	66	4/0A	0.74	0.72	1.6	1.84
4	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
5	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
6	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
7	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
8	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
LOT #	65					TOTAL	3.93	4.22	3.37	4.67

BRANCH C										
SECTION	DISTANCE	TOTAL #CUST	KVA	SPEC KVA	AMPS	Select Conductor	.95 PF VD DROP	.85 PF VD DROP	.95 PF 120v VF	.85 PF 240v VF
1	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
2	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
3	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
4	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
5	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
6	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
7	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
8	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
LOT #						TOTAL	1.45	1.77	0.15	0.90

PM NUMBER	31352406	APPLICANT	GDSI
NOTIFICATION		JOB LOCATION	LATHROP
SF	TYPE RESIDENCE (SF=Single Family M=Mobile or Manufactured Home, Apt=Apartment)		
1.00	Load Multiplier		
126 - 225	MAIN SWITCH		
3325	AVERAGE SQUARE FOOTAGE		
6-2	DEMAND TABLE REFERENCE		
PM	TX TYPE - PM = PADMOUNT, SS-HZ = SUBSURFACE, OH = OVERHEAD		
1.7	LOCK ROTOR AMPS - MULTIPLIER		



SI - Res	TEMPERATURE AREA
6-2	SUMMER PEAK - R&S - WITH A/C
6-3	SUMMER PEAK - R - NO A/C
6-4	SUMMER PEAK - S - NO A/C
6-5	SUMMER PEAK - T - NO A/C
6-6	SUMMER PEAK - X - WITH A/C
6-7	SUMMER PEAK - X - NO A/C
6-8	WINTER PEAK - S, R, & X - NO HEAT
6-9	WINTER PEAK - S, R, & X - WITH HEAT
6-10	WINTER PEAK - T - NO HEAT
6-11	WINTER PEAK - T - WITH HEAT

TFR #	T936257	TOTAL #CUST	KVA	SPEC KVA	TRANSFORMER PER CAPABILITY TABLES	ACTUAL TRANSFORMER SIZE (see note)	.95 PF VD DROP	.85 PF VD DROP	.95 PF 120v VF	.85 PF 240v VF
		13	100		100 PM	100-PM-21Y/12	1.77	2.16	0.15	0.901

BRANCH A										
SECTION	DISTANCE	TOTAL #CUST	KVA	SPEC KVA	AMPS	Select Conductor	.95 PF VD DROP	.85 PF VD DROP	.95 PF 120v VF	.85 PF 240v VF
1	129	4	40	0	167	4/0A	2.02	1.97	1.8	2.00
2	124	1	15.8	0	66	4/0A	0.77	0.75	1.7	1.92
3	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
4	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
5	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
6	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
7	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
8	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
LOT #	58					TOTAL	4.56	4.87	3.62	4.81

BRANCH B										
SECTION	DISTANCE	TOTAL #CUST	KVA	SPEC KVA	AMPS	Select Conductor	.95 PF VD DROP	.85 PF VD DROP	.95 PF 120v VF	.85 PF 240v VF
1	74	7	61	0	254	350A	1.15	1.16	0.6	0.78
2	139	5	47	0	196	350A	1.67	1.69	1.1	1.47
3	155	1	15.8	0	66	4/0A	0.96	0.93	2.1	2.40
4	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
5	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
6	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
7	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
8	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
LOT #	70					TOTAL	5.54	5.94	3.93	5.54

BRANCH C										
SECTION	DISTANCE	TOTAL #CUST	KVA	SPEC KVA	AMPS	Select Conductor	.95 PF VD DROP	.85 PF VD DROP	.95 PF 120v VF	.85 PF 240v VF
1	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
2	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
3	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
4	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
5	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
6	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
7	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
8	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
LOT #						TOTAL	1.77	2.16	0.15	0.90

PM NUMBER	31352406	APPLICANT	GDSI
NOTIFICATION		JOB LOCATION	LATHROP
SF	TYPE RESIDENCE (SF=Single Family M=Mobile or Manufactured Home, Apt=Apartment)		
1.00	Load Multiplier		
126 - 225	MAIN SWITCH		
3325	AVERAGE SQUARE FOOTAGE		
6-2	DEMAND TABLE REFERENCE		
PM	TX TYPE - PM = PADMOUNT, SS-HZ = SUBSURFACE, OH = OVERHEAD		
1.7	LOCK ROTOR AMPS - MULTIPLIER		



SI - Res	TEMPERATURE AREA
6-2	SUMMER PEAK - R&S - WITH A/C
6-3	SUMMER PEAK - R - NO A/C
6-4	SUMMER PEAK - S - NO A/C
6-5	SUMMER PEAK - T - NO A/C
6-6	SUMMER PEAK - X - WITH A/C
6-7	SUMMER PEAK - X - NO A/C
6-8	WINTER PEAK - S, R, & X - NO HEAT
6-9	WINTER PEAK - S, R, & X - WITH HEAT
6-10	WINTER PEAK - T - NO HEAT
6-11	WINTER PEAK - T - WITH HEAT

TFR #	T968340	TOTAL #CUST	KVA	SPEC KVA	TRANSFORMER PER CAPABILITY TABLES	ACTUAL TRANSFORMER SIZE (see note)	.95 PF VD DROP	.85 PF VD DROP	.95 PF 120v VF	.85 PF 240v VF
		12	93	1	100 PM	100-PM-21Y/12	1.64	2.01	0.15	0.901

BRANCH A										
SECTION	DISTANCE	TOTAL #CUST	KVA	SPEC KVA	AMPS	Select Conductor	.95 PF VD DROP	.85 PF VD DROP	.95 PF 120v VF	.85 PF 240v VF
1	74	7	61	0	254	350A	1.15	1.16	0.6	0.78
2	129	4	40	0	167	4/0A	2.02	1.97	1.8	2.00
3	164	1	15.8	0	66	4/0A	1.02	0.99	2.2	2.54
4	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
5	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
6	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
7	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
8	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
LOT #	31					TOTAL	5.83	6.12	4.74	6.21

BRANCH B										
SECTION	DISTANCE	TOTAL #CUST	KVA	SPEC KVA	AMPS	Select Conductor	.95 PF VD DROP	.85 PF VD DROP	.95 PF 120v VF	.85 PF 240v VF
1	75	4	41	1	171	4/0A	1.21	1.17	1.0	1.16
2	155	2	25	0	104	4/0A	1.52	1.48	2.1	2.40
3	39	1	15.8	0	66	4/0A	0.24	0.23	0.5	0.60
4	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
5	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
6	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
7	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
8	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
LOT #	17					TOTAL	4.61	4.89	3.84	5.06

BRANCH C										
SECTION	DISTANCE	TOTAL #CUST	KVA	SPEC KVA	AMPS	Select Conductor	.95 PF VD DROP	.85 PF VD DROP	.95 PF 120v VF	.85 PF 240v VF
1	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
2	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
3	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
4	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
5	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
6	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
7	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
8	0	0	0	0	0	Select Conductor	0.00	0.00	0.0	0.00
LOT #						TOTAL	1.64	2.01	0.15	0.90

<b>PM NUMBER</b>	31354206
<b>NOTIFICATION</b>	113105330
<b>APPLICANT</b>	GDSI
<b>LOCATION</b>	CLSP NH1B

TOTALS (QTYS)

<b>1602</b> FRANCHISE CONDUIT	<b>3485</b>	3485	FT	01-6471	CONDUIT,PVC, 3", DB (1602)	I	M
<b>1602</b> FRANCHISE 90DEG 24"R	<b>96</b>	96	EA	36-0405	BEND,CONDUIT,DB, 3", 90DEG, 2	I	M
<b>1602</b> FRANCHISE 90DEG 36"R	<b>37</b>	37	EA	36-0328	BEND,CONDUIT,DB, 3", 90DEG, 3	I	M
<b>1602</b> FRANCHISE BELL ENDS	<b>96</b>	96	EA	36-0421	BELL END, CONDUIT, 3" (1602)	I	M
<b>1602</b> FRANCHISE CONDUIT TEMP CAP	<b>96</b>	96	EA	36-0441	CAP,CONDUIT,TEMP DB 3" (1602)	I	M
<b>1603</b> PVT. PRP. CONDUIT	<b>2400</b>	2400	FT	01-6471	CONDUIT,PVC, 3", DB (1603)	I	M
<b>1600</b> 4/0AL TPX CABLE LENGTH	<b>7256</b>	7256	FT	29-4371	CBL, 4/0AL TPX, 600V, XLP REEL	I	M
<b>1600</b> FRONT END PACKS	<b>192</b>	192	EA	50-0118	FRONT END PULL PACK,2-3" (160	I	M
<b>1600</b> 4/0 PERM CAPS	<b>384</b>	384	EA	38-4199	CABLE PERM CAP,600V,#4/0 XLP	I	M
<b>1600</b> 1/0 PERM CAPS	<b>192</b>	192	EA	38-4198	CABLE PERM CAP,600V,#1/0 XLP	I	M
<b>1612</b> METERS	<b>96</b>	96	EA	long lead	MTR,120/240V,1PH,3W (1612)	I	M