

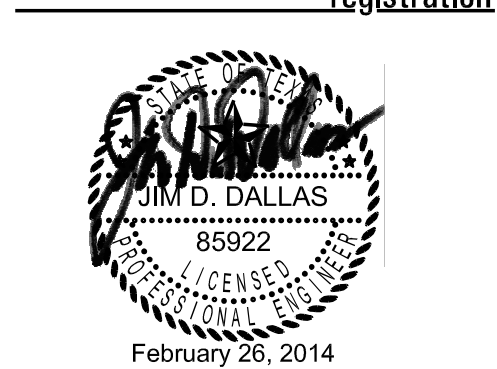


submittals / revisions

no.	date	detail
4/2/2014	Electrical Revisions	
5/8/2014	Electrical Revisions	

la terra studio, inc.

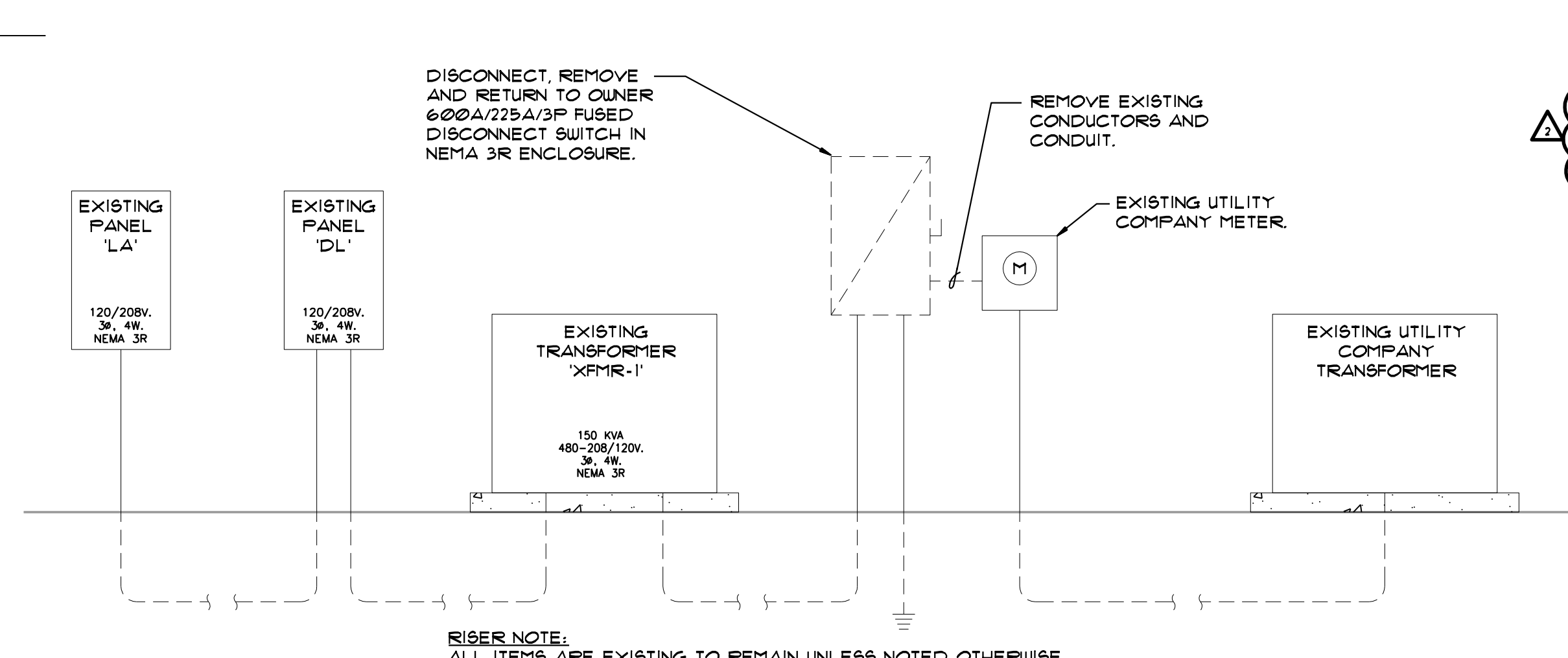
12024  
 Its project number  
 02.26.2014  
 date  
 C.A.D.  
 drawn by  
 J.W.  
 checked by



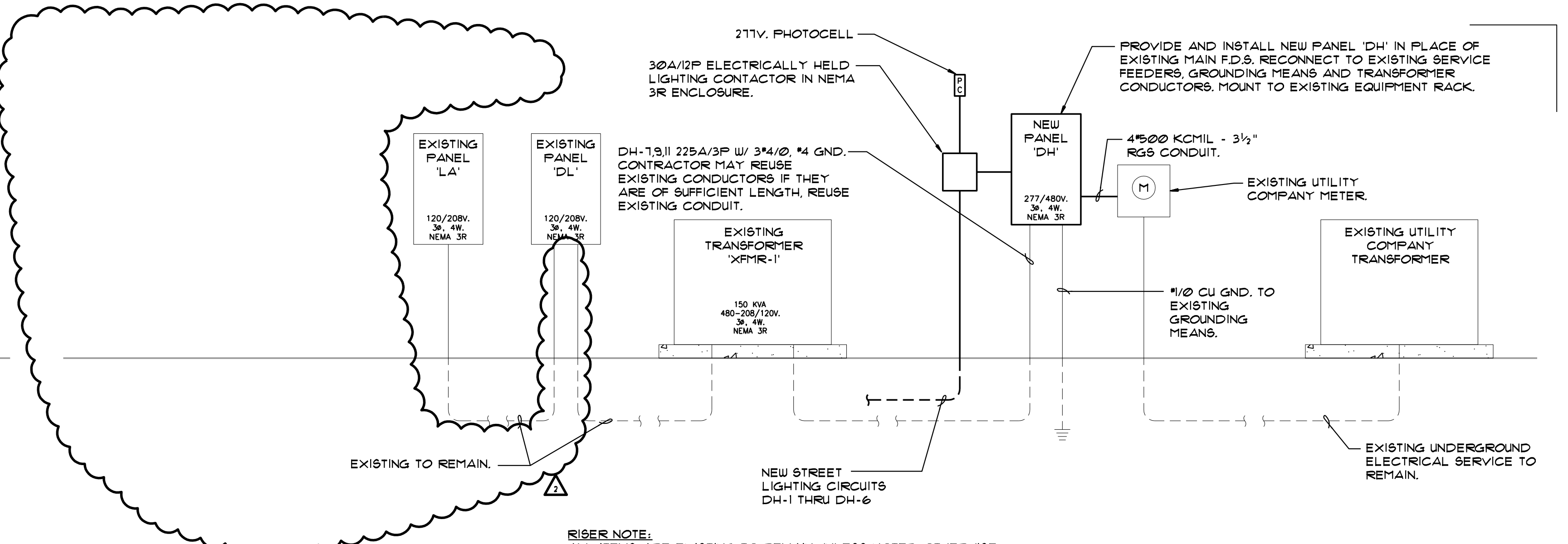
sheet title  
**Electrical Details & Scheds. - Phase 2**  
 sheet number

**EL2.02**

**EA** ENGINEERING ASSOCIATES  
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**EXISTING ELECTRICAL RISER DIAGRAM - PHASE 2**  
 SCALE: NONE



**NEW ELECTRICAL RISER DIAGRAM - PHASE 2**  
 SCALE: NONE

EXISTING PANEL 'PM'											
NOTES	DESCRIPTION	P - AMP	LOAD			PH / CKT #	LOAD			DESCRIPTION	NOTES
			LIGHTING	POWER	POLES		LIGHTING	POWER	POLES		
	Existing	1 - 20			1 A 2				1 - 20	Existing	
	Existing	1 - 20			3 C 4				1 - 20	Existing	
	Existing	1 - 20			5 A 6				1 - 20	Existing	
	New Receptacles	1 - 20		1800	7 C 8		1800		1 - 20	New Receptacles	
	Space Only	1 - -			9 A 10				1 - -	Space Only	
	Space Only	1 - -			11 C 12				1 - -	Space Only	
	Space Only	1 - -			13 A 14				1 - -	Space Only	
	Space Only	1 - -			15 C 16				1 - -	Space Only	
	Space Only	1 - -			17 A 18				1 - -	Space Only	
	Space Only	1 - -			19 C 20				1 - -	Space Only	
	Space Only	1 - -			21 A 22				1 - -	Space Only	
	Space Only	1 - -			23 C 24				1 - -	Space Only	
	Space Only	1 - -			25 A 26				1 - -	Space Only	
	Space Only	1 - -			27 C 28				1 - -	Space Only	
	Space Only	1 - -			29 A 30				1 - -	Space Only	
	Space Only	1 - -			31 C 32				1 - -	Space Only	
	Space Only	1 - -			33 A 34				1 - -	Space Only	
	Space Only	1 - -			35 C 36				1 - -	Space Only	
	Space Only	1 - -			37 A 38				1 - -	Space Only	
	Space Only	1 - -			39 C 40				1 - -	Space Only	
<b>LOAD SUMMARY</b>			CONN. KW	N.E.C. DIV.	DIV. KW						
LIGHTING			---	X 125	---	POLES	40				
POWER			---	X 10	---	SIZE	200 AMP				
OTHER			0.0	X 10	0.0	MAINS	200 AMP M.C.B.				
						VOLTS	120/240V, 1ø, 3W				
						A.I.C.	10K				
						MOUNTING	Surface				
						ENCLOSURE	NEMA 3R				
<b>TOTALS</b>			---	---	---						
PROJECT	Downtown Rockwall Streetscape - Phase 2 Rockwall, Texas				NOTES:	PANEL AMP'S ---					
PANEL LOCATION:	Middle of Pedestrian Mall - East Side Mounted on Exterior of Bldg.					LOADS PER PHASE:					
DATE:	February 2014					PHASE A (KW) ---					
						PHASE C (KW) ---					

EXISTING PANEL 'LA'											
NOTES	DESCRIPTION	P - AMP	LOAD			PH / CKT #	LOAD			DESCRIPTION	NOTES
			LIGHTING	POWER	POLES		LIGHTING	POWER	POLES		
	Existing	1 - 20			1 A 2				1 - 20	Existing	
	Existing	1 - 20			3 B 4				1 - 20	Existing	
	Existing	1 - 20			5 C 6				1 - 20	Existing	
	Existing	1 - 20			7 A 8				1 - 20	Existing	
	Existing	1 - 20			9 B 10				1 - 20	Existing	
	Existing	1 - 20			11 C 12				1 - 20	Existing	
	Vendor Plug @ Light Pole	1 - 20		1600	13 A 14		1600		1 - 20	Vendor Plug @ Light Pole	
	Vendor Plug @ Light Pole	1 - 20		1600	15 B 16		1600		1 - 20	Vendor Plug @ Light Pole	
	Vendor Plug @ Light Pole	1 - 20		1600	17 C 18		1600		1 - 20	Vendor Plug @ Light Pole	
	Vendor Plug @ Light Pole	1 - 20		1600	19 A 20		1600		1 - 20	Vendor Plug @ Light Pole	
	Vendor Plug @ Light Pole	1 - 20		1600	21 B 22		1600		1 - 20	Vendor Plug @ Light Pole	
	Space Only	1 - -			23 C 24				1 - -	Space Only	
	Space Only	1 - -			25 A 26				1 - -	Space Only	
	Space Only	1 - -			27 B 28				1 - -	Space Only	
	Space Only	1 - -			29 C 30				1 - -	Space Only	
	Space Only	1 - -			31 A 32				1 - -	Space Only	
	Space Only	1 - -			33 B 34				1 - -	Space Only	
	Space Only	1 - -			35 C 36				1 - -	Space Only	
	Space Only	1 - -			37 A 38				1 - -	Space Only	
	Space Only	1 - -			39 B 40				1 - -	Space Only	
	Space Only	1 - -			41 C 42				1 - -	Space Only	
<b>LOAD SUMMARY</b>			CONN. KW	N.E.C. DIV.	DIV. KW						
LIGHTING			---	X 125	---	POLES	42				
POWER			---	X 10	---	SIZE	100 AMP				
OTHER			0.0	X 10	0.0	MAINS	100 AMP M.L.O.				
						VOLTS	120/208V, 3ø, 4W				
						A.I.C.	Existing				
						MOUNTING	Surface				
						ENCLOSURE	NEMA 3R				
<b>TOTALS</b>			---	---	---						
PROJECT	Downtown Rockwall Streetscape - Phase 2 Rockwall, Texas				NOTES:	PANEL AMP'S ---					
PANEL LOCATION:	Traffic Median North side of Courthouse					LOADS PER PHASE:					
DATE:	February 2014					PHASE A (KW) ---					
						PHASE B (KW) ---					
						PHASE C (KW) ---					

NEW PANEL 'DH'											
NOTES	DESCRIPTION	P - AMP	LOAD			PH / CKT #	LOAD			DESCRIPTION	NOTES
			LIGHTING	POWER	POLES		LIGHTING	POWER	POLES		
	New Street Lighting	1 - 30		4155	1 A 2		3740		1 - 30	New Street Lighting	
	New Street Lighting	1 - 30		3324	3 B 4		3324		1 - 30	New Street Lighting	
	New Street Lighting	1 - 30		4155	5 C 6		3740		1 - 30	New Street Lighting	
	Exist. 150 KVA Transformer 'XFMR-1'	3		50000	1 A 8		200		1 - 20	Lighting Controls	
	Space Only	1 - -			9 B 10				1 - -	Space Only	
	Space Only	1 - -			11 C 12				1 - -	Space Only	
	Space Only	1 - -			13 A 14				1 - -	Space Only	
	Space Only	1 - -			15 B 16				1 - -	Space Only	
	Space Only	1 - -			17 C 18				1 - -	Space Only	
	Space Only	1 - -			19 A 20				1 - -	Space Only	
	Space Only	1 - -			21 B 22				1 - -	Space Only	
	Space Only	1 - -			23 C 24				1 - -	Space Only	
	Space Only	1 - -			25 A 26				1 - -	Space Only	
	Space Only	1 - -			27 B 28				1 - -	Space Only	
	Space Only	1 - -			29 C 30				1 - -	Space Only	
	Space Only	1 - -			31 A 32				1 - -	Space Only	
	Space Only	1 - -			33 B 34				1 - -	Space Only	
	Space Only	1 - -			35 C 36				1 - -	Space Only	
	Space Only	1 - -			37 A 38				1 - -	Space Only	
	Space Only	1 - -			39 B 40				1 - -	Space Only	
	Space Only	1 - -			41 C 42				1 - -	Space Only	
<b>LOAD SUMMARY</b>			CONN. KW	N.E.C. DIV.	DIV. KW						
LIGHTING			22.4	X 125	28.0	POLES	42				
POWER			150.2	X 10	150.2	SIZE	400 AMP				
OTHER			0.0	X 10	0.0	MAINS	400 AMP M.C.B.				
						VOLTS	277/480V, 3ø, 4W				
						A.I.C.	35K				
						MOUNTING	Surface				
						ENCLOSURE	NEMA 3R				
<b>TOTALS</b>			172.6		178.2						
PROJECT	Downtown Rockwall Streetscape - Phase 2 Rockwall, Texas				NOTES:	PANEL AMP'S 215					
PANEL LOCATION:	Traffic Median North side of Courthouse					LOADS PER PHASE:					
DATE:	February 2014					PHASE A (KW) 58.1					
						PHASE B (KW) 56.6					
						PHASE C (KW) 52.9					

EXISTING PANEL 'DL'											
NOTES	DESCRIPTION	P - AMP	LOAD			PH / CKT #	LOAD			DESCRIPTION	NOTES
			LIGHTING	POWER	POLES		LIGHTING	POWER	POLES		
	Space Only	1 - -			1 A 2				3	Space Only	
	Space Only	1 - -			3 B 4				3	Space Only	
	Space Only	1 - -			5 C 6				3	Space Only	
	New Stage Lighting	3		19200	7 A 8				3	Space Only	
	Space Only	1 - -		19200	9 B 10				3	Space Only	
	Space Only	1 - -		19200	11 C 12				3	Space Only	
	Space Only	1 - -			13 A 14				3	Space Only	
	Space Only	1 - -			15 B 16				3	Space Only	
	Space Only	1 - -			17 C 18				3	Space Only	
	Space Only	1 - -			19 A 20				3	Existing Panel 'LA'	
	Space Only	1 - -			21 B 22				3	Existing Panel 'LA'	
	Space Only	1 - -			23 C 24				3	Existing Panel 'LA'	
	Space Only	1 - -			25 A 26		19200		3	New Stage Power	
	Space Only	1 - -			27 B 28		19200		3	New Stage Power	
	Space Only	1 - -			29 C 30		19200		3	New Stage Power	
<b>LOAD SUMMARY</b>			CONN. KW	N.E.C. DIV.	DIV. KW						
LIGHTING			---	X 125	---	POLES	30				
POWER			---	X 10	---	SIZE	600 AMP				
OTHER			0.0	X 10	0.0	MAINS	600 AMP M.C.B.				
						VOLTS	120/208V, 3ø, 4W				
						A.I.C.	Existing				
						MOUNTING	Surface				
						ENCLOSURE	NEMA 3R				
<b>TOTALS</b>			---	---	---						
PROJECT	Downtown Rockwall Streetscape - Phase 2 Rockwall, Texas				NOTES:	PANEL AMP'S ---					
PANEL LOCATION:	Traffic Median North side of Courthouse					LOADS PER PHASE:					
DATE:	February 2014					PHASE A (KW) ---					
						PHASE B (KW) ---					
						PHASE C (KW) ---					