INSULATOR SELECTION GUIDE
TRANSMISSION

Customer: _____
End User: _____

Completed by: _____ Date: ___/___/___ Required By: ___/___/___
Phone Number: _____ E-mail: _____

Please fill out all available information. * Asterisk indicates required field.

CRITICAL INFORMATION

***System L-L voltage (kV):** _____ **Housing Material:** ☐ ESP ☐ SILICONE

***Insulator Type:** ☐ Suspension ☐ Line Post ☐ Station Post **Labeling Units:** ☐ English ☐ Metric

Insulator Dimensional and Electrical Requirements (Provide as many as possible):

*Section Length (in/mm)	_____	50/60 Hz FlashOver (kV)	Dry	_____	Wet _____
Leakage/Creepage (in/mm)	_____	Impulse Withstand (kV)	(+)	_____	(-) _____
Dry Arc distance (in/mm)	_____	Critical Impulse Flashover (kV)	(+)	_____	(-) _____

SUSPENSION INSULATORS

Suspension Insulators

*Specified Mechanical Load (SML): _____

***End Fittings:**	Line End	Ground End
☐	Chain Eye	Chain Eye
☐	Ball, ANSI	Ball, ANSI
☐	Y-Clevis	Y-Clevis
☐	Socket, ANSI	Socket, ANSI or IEC (circle one)
☐	Straight Clevis	Straight Clevis
☐	Socket, IEC: 16mm ☐ 20mm ☐	Socket, IEC: 16mm ☐ 20mm ☐
☐	Ball, IEC: 16mm ☐ 20mm ☐	Ball, IEC: 16mm ☐ 20mm ☐
☐	Other _____	Other _____

LINE POST INSULATORS

Line Post Insulators: ☐ Horizontal ☐ Vertical

*Working Cantilever Load (WCL): _____

Horizontal:

*Base fitting: ☐ Gain (round pole) ☐ Flat
Mounting Bolt Size _____
Mounting Bolt Spacing _____

Material:
Steel ☐
Aluminium ☐

*Line fitting:
☐ Two hole blade
☐ Clamp top
☐ Other _____

Vertical:

*Base fitting:
☐ Stud Base, 3/4"
☐ Stud Base, 7/8"
☐ 5" Bolt Circle
☐ Gain (round pole)
☐ Flat

Material:
Steel ☐
Aluminium ☐

*Line fitting:
☐ Clamp top
☐ Other _____

STATION POST INSULATORS

Station Post:

Technical Reference (T.R.) number of equivalent Porcelain Insulator: _____

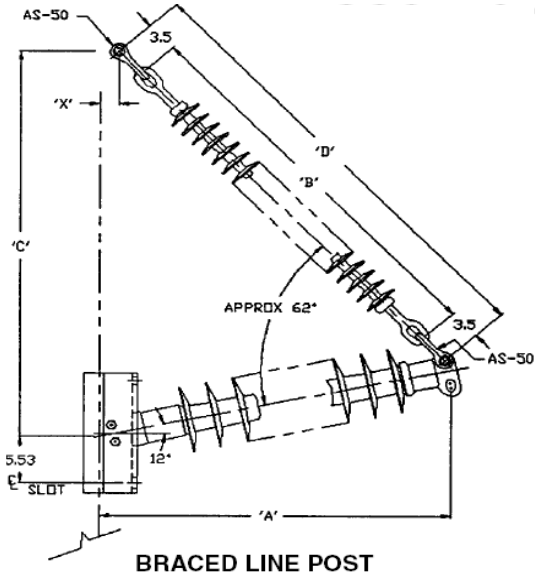
BIL (kV) _____ Height (in/mm) _____ Max. Design Cantilever Lb (kN) : _____

Bolt Circle: ☐ 3" ☐ 5"

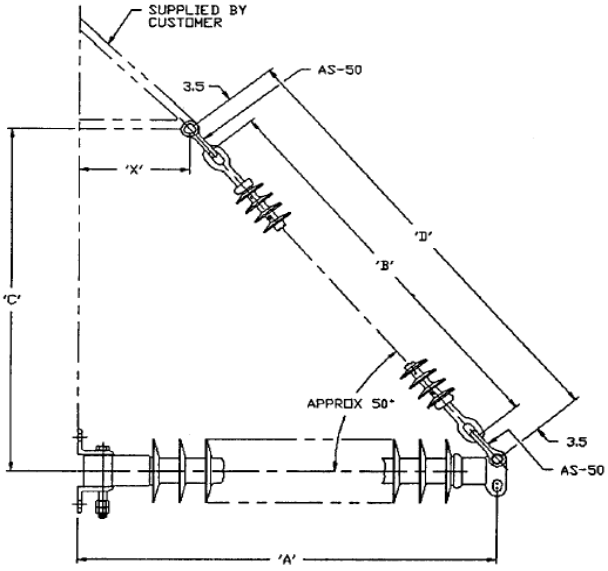
HI*LITE XL ASSEMBLIES

Insulator Assembly Type:
Braced Line Post Assembly ☐ Horizontal V Assembly ☐ Pivoting Horizontal V Assembly ☐

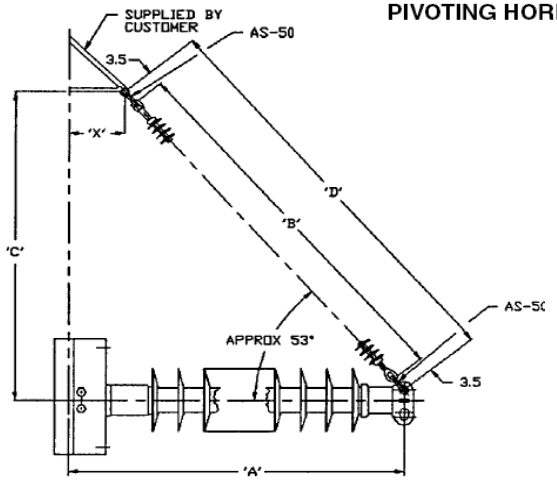
System Voltage (kV)	*Dimensions							*Mechanical Loads (Lbs) (Minimum)				Electrical Requirements (Minimum)			
	A	B	C	D	X	Leakage	Arc Dist.	Vertical	Tension	Compresion	Longitudinal	50/60Hz FO Dry	50/60Hz FO Wet	CIFO (+)	CIFO (-)



BRACED LINE POST



PIVOTING HORIZONTAL-V



HORIZONTAL-V

Conductor Information:
Conductor Name: _____
Size (in/mm) OD: _____
Armor Rod: _____

Hardware Attachments^	Part No.	Length	Max /Min
Corona Ring			
None / Suspension Insulator Only			
Suspension Insulator to Post Insulator			
Suspension Insulator to Tower (Vang)			
Steel Strap			
Turnbuckle			
Other (Specify or Draw):			

^Distance ("D-B") may be as a result of Several Hardware Attachments

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