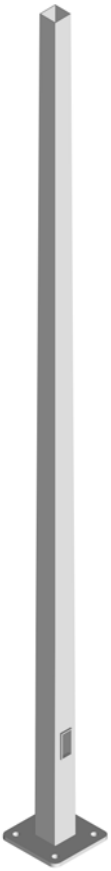
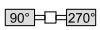
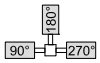
STS
SQUARE TAPERED STEEL

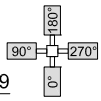


D19

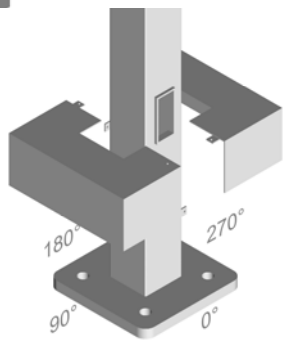
D29

D28 

D39 

D49 

T20	2.38"ø x 4.00" TALL
T25	2.88"ø x 4.00" TALL
T30	3.50"ø x 6.00" TALL
T35	4.00"ø x 6.00" TALL
OT	OPEN TOP
TSP	SPECIAL SIZE TENON



NOTE: ANCHOR BOLT PATTERNS ARE SUBJECT TO CHANGE. CONSULT FACTORY PRIOR TO CONSTRUCTION.

PROJECT NAME:	TYPE:
QUOTE / ORDER No:	
APPROVED BY:	DATE:

SPECIFICATIONS

POLE SHAFT:
The pole shaft conforms to ASTM A595 Grade A or A572 Grade 55 with a constant linear taper of 0.11 in/ft

BASE PLATE:
The base plate is fabricated from a structural quality hot rolles carbon steel plate that meets or exceeds ASTM A–36 with a minimum yield strength of 36,000 psi. The base plate telescopes the pole shaft and is circumferential welded top and bottom

BASE COVER:
The two–piece standard full base cover is fabricated from ABS plastic. Optional two–piece steel base cover also available.

ANCHOR BOLTS:
Anchor bolts conform to ASTM F1554 Grade 55 and are provided with two hex nuts and flat washers. Bolts have an "L" bend on one end and are galvanized a minimum of 12" on the threaded end in accordance with ASTM A–153.

HANDHOLE:
A reinforced hand hole, having a nominal opening of 2.5"x 5" or 3"x 5" will be installed 18" above the base plate. A hand hole cover with hardware will be included along with grounding provisions.

POLE TOP:
Each pole will be provided with a welded top plate and tenon or top cap for poles receiving drilling for side mount fixtures.

FINISH:
Standard color finishes shall be coated with TGIC polyester powder or hot dip galvanized to ASTM A–123 specifications.

(STS) Square Tapered Anchor Base	POLE DIMENSIONS					BASE DETAIL						ALLOWABLE MAX EPA² & WEIGHT (lbs)													
						BASE PLATE			ANCHOR BOLTS			80 MPH		90 MPH		100 MPH		110 MPH		120 MPH		130 MPH		140 MPH		150 MPH	
ALP CATALOG #	HGT (FT)	Base OD (in)	Top OD (in)	Wall Thk (GA)	Structure Weight (lbs)	SQ (in)	THK (in)	Bolt Circle	Template	Ø	L	EPA	WGT	EPA	WGT	EPA	WGT	EPA	WGT	EPA	WGT	EPA	WGT	EPA	WGT	EPA	WGT
STS-20-525-11	20	5.25	3.05	11	155	10.75	0.75	10.75	ABT-108-4	1.00	36	18.0	452	13.8	345	10.7	268	8.4	210	6.5	162	5.1	126	3.9	98	-	-
STS-20-550-7	20	5.50	3.30	7	235	11.00	1.00	11.00	ABT-110-4	1.00	36	30.5	764	24.0	602	19.0	477	15.2	383	12.3	310	10.0	250	8.2	206	-	-
STS-25-600-11	25	6.00	3.25	11	205	11.50	0.88	12.00	ABT-120-4	1.00	36	16.8	422	12.6	315	9.5	238	7.1	178	5.3	133	3.9	99	2.8	71	-	-
STS-25-641-7	25	6.41	3.66	7	310	11.88	1.25	12.50	ABT-125-4	1.00	36	28.5	713	22.5	563	18.2	455	14.4	360	11.3	282	9.1	227	7.1	178	-	-
STS-30-641-11	30	6.41	3.11	11	260	11.88	0.88	12.50	ABT-125-4	1.00	36	13.6	340	9.8	245	7.0	175	4.9	123	3.2	80	2.0	50	-	-	-	-
STS-30-641-7	30	6.41	3.11	7	375	11.88	1.25	12.50	ABT-125-4	1.00	36	23.6	590	17.9	448	13.7	343	10.4	260	8.0	200	6.1	153	4.6	115	-	-
STS-30-713-7	30	7.13	3.83	7	431	12.63	1.25	13.50	ABT-135-4	1.00	36	27.4	687	21.6	542	17.3	434	12.9	323	9.8	245	7.3	183	5.4	135	-	-
STS-35-681-11	35	6.81	2.96	11	305	12.25	0.88	13.00	ABT-130-4	1.00	36	10.7	269	7.3	184	4.8	120	2.8	70	1.3	33	-	-	-	-	-	-
STS-35-713-7	35	7.13	3.28	7	475	12.63	1.25	13.50	ABT-135-4	1.00	36	23.4	585	17.4	435	13.0	325	9.7	243	7.1	178	5.1	128	3.5	88	-	-
STS-35-788-7	35	7.88	4.03	7	540	13.38	1.25	14.50	ABT-145-4	1.00	36	25.7	643	18.8	470	13.8	345	10.0	250	7.0	175	4.8	120	3.0	75	-	-
STS-39-718-11	39	7.18	2.92	11	345	12.63	0.88	13.50	ABT-135-4	1.00	36	8.6	215	5.4	135	3.0	75	1.2	30	-	-	-	-	-	-	-	-
STS-39-713-7	39	7.13	2.87	7	500	12.63	1.25	13.50	ABT-135-4	1.00	36	19.3	483	14.2	355	10.4	260	7.5	188	5.2	130	3.4	85	2.0	50	-	-
STS-39-875-7	39	8.75	4.49	7	670	14.25	1.50	15.75	ABT-158-4	1.25	42	26.1	654	20.6	517	16.2	405	10.5	263	7.2	180	4.6	115	2.5	63	-	-
STS-45-788-7	45	7.88	2.93	7	620	13.38	1.25	14.50	ABT-145-4	1.00	36	16.0	400	11.1	278	7.4	187	4.5	113	2.4	60	-	-	-	-	-	-
STS-45-875-7	45	8.75	3.80	7	730	14.25	1.50	15.75	ABT-158-4	1.25	42	23.5	588	16.6	415	11.4	287	7.6	190	4.6	115	2.3	58	-	-	-	-
STS-50-881-7	50	8.81	3.31	7	780	15.50	1.25	16.00	ABT-160-4	1.25	42	19.4	485	13.2	332	8.7	218	5.3	133	2.6	65	-	-	-	-	-	-

ORDERING CODE	CATALOG No.	BASE	FINISH	FIXTURE MOUNT	BASE COVER	OPTIONS	OPTIONS
		AB–ANCHOR BOLT LAB–LESS ANCHOR BOLTS	DB–DARK BRONZE MB–MEDIUM BRONZE WH–WHITE BL–BLACK LG–LIGHT GRAY SM–SILVER METALLIC SL–SILVER HG–HUNTER GREEN RD–RED G–GALVANIZED GPXX–PAINTED OVER GALV	D19 D28 D29 D32 D39 D49 T20 T25 T30 T35 OT TSP–ADVISE TC– TOP CAP ONLY	BC–PLASTIC (STD) BCS–STEEL BCA–ALUMINUM NC–NUT COVERS	XHH–EXTRA HANDHOLE FES–FESTOON (GFI BY OTHERS) DMP–VIBRATION DAMPER CP50–.50" COUPLING CP75–.75" COUPLING CP10–1.00" COUPLING CP20–2.00" COUPLING NP50–.50" NIPPLE NP75–.75" NIPPLE NP10–1.00" NIPPLE MBP–MODIFIED BASE PLATE	