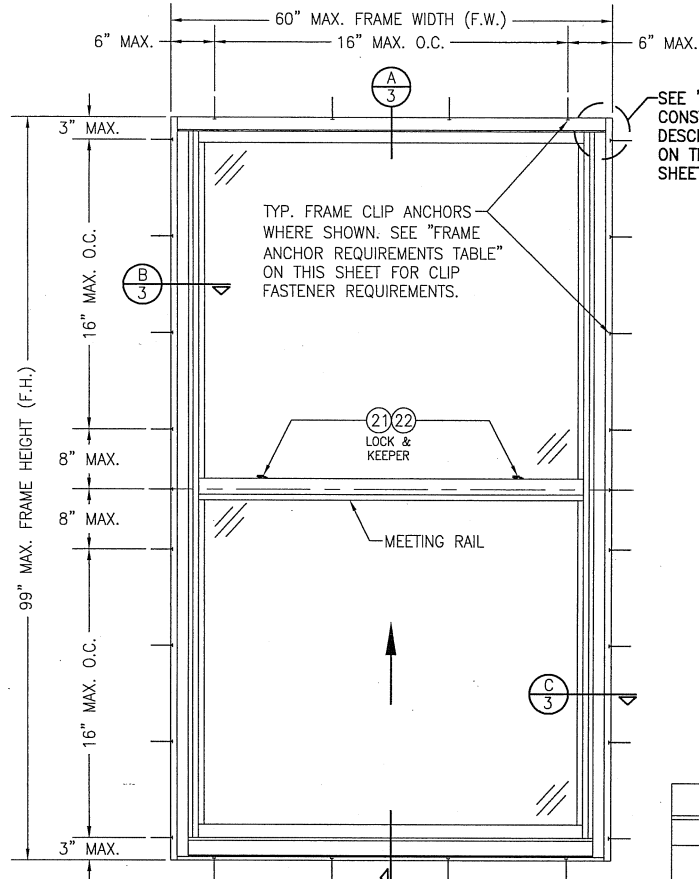




SEE "CORNER CONSTRUCTION" DESCRIPTION ON THIS SHEET

EXTERIOR ELEVATION
SINGLE HUNG WINDOW

SCALE: 3/4"=1'-0"

CORNER CONSTRUCTION:

JAMB CORNERS:

COPED, SECURED WITH TWO (2) NO. 8 X 1 1/4" S.S. SCREWS PER CORNER AND SEALED WITH TREMCO-TREMSIL 600 SEALANT.

SASH CORNERS:

COPED, SECURED WITH TWO (2) NO. 8 X 1 1/4" S.S. SCREWS PER CORNER AND SEALED WITH TREMCO-TREMSIL 600 SEALANT.

ALLOWABLE DESIGN PRESSURE (SINGLE & MULTIPLE WINDOWS)	
GLASS OPTIONS	ALLOWABLE PRESSURE (POS. & NEG.)
1	50 PSF
2	70 PSF

FRAME ANCHOR REQUIREMENTS TABLE

FRAME CLIP ANCHORS			
OPENING TYPE (SUBSTRATE)	JAMB TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
2X_ WOOD FRAME OR BUCK	NO. 10 SCREW	1 3/8"	3/4"
MIN. 1800 PSI CMU/BLOCK	(1) 1/4" CONCRETE SCREW	1 1/4"	2"
MIN. 2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/4"	2"
MIN. 16 GAGE 50 KSI METAL STUD	NO.10 GR. 5 SELF TAPPING/DRILLING SCREW	FULL	1/2"
MIN. 1/8" THK. ALUMINUM OR STEEL	NO.10 GR. 5 SELF TAPPING/DRILLING SCREW	FULL	1/2"
MULLION CLIP ANCHORS			
2X_ WOOD FRAME OR BUCK	NO. 12 SMS SCREW	1 3/8"	3/4"
MIN. 2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/4"	2"
MIN. 16 GAGE 50 KSI METAL STUD	1/4" GR. 5 SELF TAPPING/DRILLING SCREW	FULL	1/2"
MIN. 1/8" THK. ALUMINUM OR STEEL	1/4" GR. 5 SELF TAPPING/DRILLING SCREW	FULL	1/2"

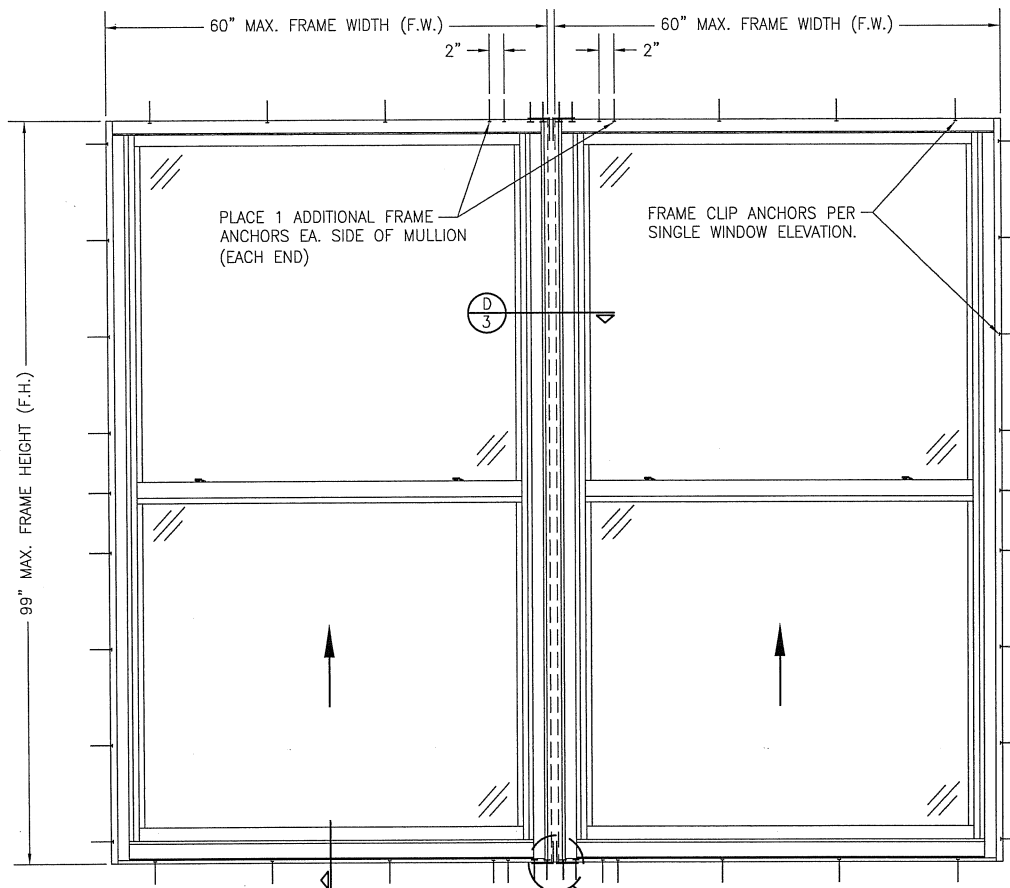
(1) CONCRETE SCREWS SHALL BE ELCO ULTRACONS, ELCO CRETE-FLEX, ITW RAMSET/RED HEAD TAPCONS OR HILTI KWIK-CON II (HARDENED STEEL OR S.S.)

GENERAL NOTES:

1. THIS PRODUCT HAS BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S)".
2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
4. THIS PRODUCT HAS BEEN DESIGNED IN ACCORDANCE WITH AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) FOR NON-HIGH VELOCITY HURRICANE ZONES (NON-HVHZ).
5. THIS PRODUCT IS NON-IMPACT RATED & MUST BE SHUTTERED WITH A FLORIDA CODE APPROVED SHUTTER WHERE REQUIRED BY CODE.
6. ALL ANCHORS SECURING PRODUCT FRAMES TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
7. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF Kd = 0.85 MAY BE APPLIED PER THE ASCE-7 STANDARD.
8. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE.
9. TO THE BEST OF OUR KNOWLEDGE, THE PRODUCT SHOWN HEREIN IS QUALITY ASSURED BY A FLORIDA STATE APPROVED CERTIFICATION/QA ENTITY & SHALL BE LABELED IN ACCORDANCE WITH THE FBC AND THE FLORIDA DEPARTMENT OF BUSINESS & PROFESSIONAL REGULATION SPECIFICATIONS. THESE DRAWINGS SHOW ALL APPLICABLE ELEVATION, COMBINATION, INSTALLATION & COMPARATIVE ANALYSIS CONDITIONS AS DETERMINED THROUGH TESTING & ENGINEERING RATIONAL ANALYSIS. PRODUCT ASSEMBLY SHALL BE IN ACCORDANCE WITH THESE DRAWINGS, THE MANUFACTURER'S QUALITY ASSURANCE SPECIFICATIONS & TESTING REPORTS.
10. CERTIFICATION OF THIS PRODUCT SHALL BE CONSIDERED VOID IF IT IS INSTALLED WITHOUT A BUILDING PERMIT FROM THE APPLICABLE LOCAL BUILDING DEPARTMENT OR IF IT IS INSTALLED BY ANYONE OTHER THAN A LICENSED CONTRACTOR EXPERIENCED WITH INSTALLATIONS OF THIS TYPE OF PRODUCT.

EVALUATION OF THIS PRODUCT IS BASED ON APPLICABLE STANDARDS AND/OR INFORMATION & RESULTS FROM APPLICABLE TEST REPORTS. THE FLORIDA BUILDING CODE VERSION CONSIDERED WITH THIS EVALUATION WAS THAT IN FORCE AT THE TIME OF THE EVALUATION. IN THE EVENT OF CODE VERSION CHANGES/UPDATES OR IN THE EVENT THAT NEW OR ADDITIONAL TESTING IS COMPLETED ON THIS PRODUCT, PRIOR TO STATING CODE COMPLIANCE WITH THE STATE, THE MANUFACTURER SHALL CONFIRM WITH THE EVALUATION ENGINEER OF RECORD THAT EVERYTHING SPECIFIED HERE-IN IS CURRENT WITH ALL CURRENT TESTING, CODES AND APPLICABLE STANDARDS.

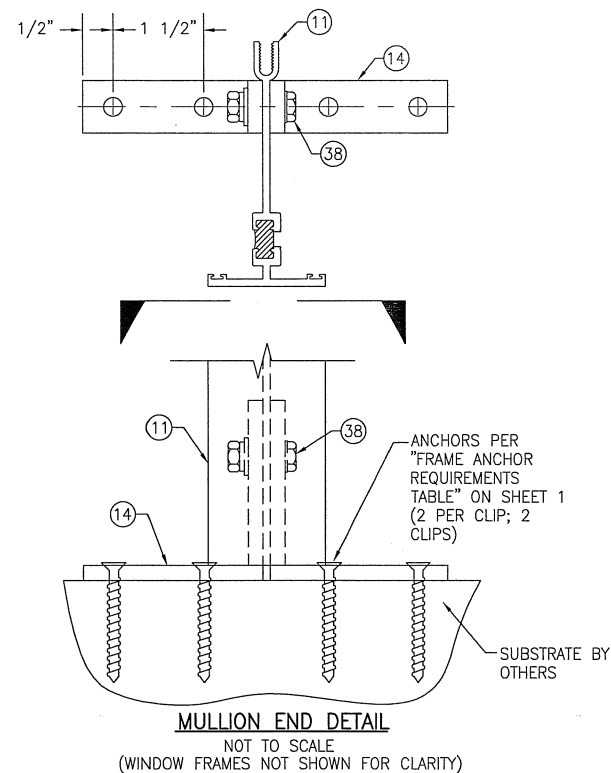
DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=16		DATE: 9/15/06	
NO.	REVISION	DESCRIPTION	DATE
1	1	DATE	05/29/08
2	2	DATE	09/23/11
3	3	DATE	12/15/14
4	4	DATE	
5	5	DATE	
6	6	DATE	
7	7	DATE	
8	8	DATE	
9	9	DATE	
10	10	DATE	
11	11	DATE	
12	12	DATE	
13	13	DATE	
14	14	DATE	
15	15	DATE	
16	16	DATE	
17	17	DATE	
18	18	DATE	
19	19	DATE	
20	20	DATE	
21	21	DATE	
22	22	DATE	
23	23	DATE	
24	24	DATE	
25	25	DATE	
26	26	DATE	
27	27	DATE	
28	28	DATE	
29	29	DATE	
30	30	DATE	
31	31	DATE	
32	32	DATE	
33	33	DATE	
34	34	DATE	
35	35	DATE	
36	36	DATE	
37	37	DATE	
38	38	DATE	
39	39	DATE	
40	40	DATE	
41	41	DATE	
42	42	DATE	
43	43	DATE	
44	44	DATE	
45	45	DATE	
46	46	DATE	
47	47	DATE	
48	48	DATE	
49	49	DATE	
50	50	DATE	
51	51	DATE	
52	52	DATE	
53	53	DATE	
54	54	DATE	
55	55	DATE	
56	56	DATE	
57	57	DATE	
58	58	DATE	
59	59	DATE	
60	60	DATE	
61	61	DATE	
62	62	DATE	
63	63	DATE	
64	64	DATE	
65	65	DATE	
66	66	DATE	
67	67	DATE	
68	68	DATE	
69	69	DATE	
70	70	DATE	
71	71	DATE	
72	72	DATE	
73	73	DATE	
74	74	DATE	
75	75	DATE	
76	76	DATE	
77	77	DATE	
78	78	DATE	
79	79	DATE	
80	80	DATE	
81	81	DATE	
82	82	DATE	
83	83	DATE	
84	84	DATE	
85	85	DATE	
86	86	DATE	
87	87	DATE	
88	88	DATE	
89	89	DATE	
90	90	DATE	
91	91	DATE	
92	92	DATE	
93	93	DATE	
94	94	DATE	
95	95	DATE	
96	96	DATE	
97	97	DATE	
98	98	DATE	
99	99	DATE	
100	100	DATE	
101	101	DATE	
102	102	DATE	
103	103	DATE	
104	104	DATE	
105	105	DATE	
106	106	DATE	
107	107	DATE	
108	108	DATE	
109	109	DATE	
110	110	DATE	
111	111	DATE	
112	112	DATE	
113	113	DATE	
114	114	DATE	
115	115	DATE	
116	116	DATE	
117	117	DATE	
118	118	DATE	
119	119	DATE	
120	120	DATE	
121	121	DATE	
122	122	DATE	
123	123	DATE	
124	124	DATE	
125	125	DATE	
126	126	DATE	
127	127	DATE	
128	128	DATE	
129	129	DATE	
130	130	DATE	
131	131	DATE	
132	132	DATE	
133	133	DATE	
134	134	DATE	
135	135	DATE	
136	136	DATE	
137	137	DATE	
138	138	DATE	
139	139	DATE	
140	140	DATE	
141	141	DATE	
142	142	DATE	
143	143	DATE	
144	144	DATE	
145	145	DATE	
146	146	DATE	
147	147	DATE	
148	148	DATE	
149	149	DATE	
150	150	DATE	
151	151	DATE	
152	152	DATE	
153	153	DATE	
154	154	DATE	
155	155	DATE	
156	156	DATE	
157	157	DATE	
158	158	DATE	
159	159	DATE	
160	160	DATE	
161	161	DATE	
162	162	DATE	
163	163	DATE	
164	164	DATE	
165	165	DATE	
166	166	DATE	
167	167	DATE	
168	168	DATE	
169	169	DATE	
170	170	DATE	
171	171	DATE	
172	172	DATE	
173	173	DATE	
174	174	DATE	
175	175	DATE	
176	176	DATE	
177	177	DATE	
178	178	DATE	
179	179	DATE	
180	180	DATE	
181	181	DATE	
182	182	DATE	
183	183	DATE	
184	184	DATE	
185	185	DATE	
186	186	DATE	
187	187	DATE	
188	188	DATE	
189	189	DATE	
190	190	DATE	
191	191	DATE	
192	192	DATE	
193	193	DATE	
194	194	DATE	
195	195	DATE	
196	196	DATE	
197	197	DATE	
198	198	DATE	
199	199	DATE	
200	200	DATE	
201	201	DATE	
202	202	DATE	
203	203	DATE	
204	204	DATE	
205	205	DATE	
206	206	DATE	
207	207	DATE	
208	208	DATE	
209	209	DATE	
210	210	DATE	
211	211	DATE	
212	212	DATE	
213	213	DATE	
214	214	DATE	
215	215	DATE	
216	216	DATE	
217	217	DATE	
218	218	DATE	
219	219	DATE	
220	220	DATE	
221	221	DATE	
222	222	DATE	
223	223	DATE	
224	224	DATE	
225	225	DATE	
226	226	DATE	
227	227	DATE	
228	228	DATE	
229	229	DATE	
230	230	DATE	
231	231	DATE	
232	232	DATE	
233	233	DATE	
234	234	DATE	
235	235	DATE	
236	236	DATE	
237	237	DATE	
238	238	DATE	
239	239	DATE	
240	240	DATE	
241	241	DATE	
242	242	DATE	
243	243	DATE	
244	244	DATE	
245	245	DATE	
246	246	DATE	
247	247	DATE	
248	248	DATE	
249	249	DATE	
250	250	DATE	
251	251	DATE	
252	252	DATE	
253	253	DATE	
254	254	DATE	
255	255	DATE	
256	256	DATE	
257	257	DATE	
258	258	DATE	
259	259	DATE	
260	260	DATE	
261	261	DATE	
262	262	DATE	
263	263	DATE	
264	264	DATE	
265	265	DATE	
266			



**EXTERIOR ELEVATION
MULTIPLE WINDOWS**

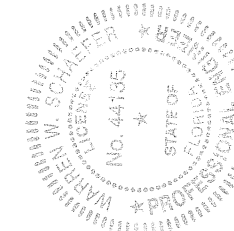
SCALE: 3/4"=1'-0"

(FOR DETAIL NOT SHOWN, SEE SINGLE WINDOW ELEVATION ON SHEET 1.)
DOUBLE WINDOW SHOWN. MORE THAN 2 WINDOWS MAY BE MULLED
TOGETHER INTO ONE OPENING.



MULLION END DETAIL

NOT TO SCALE
(WINDOW FRAMES NOT SHOWN FOR CLARITY)



DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=16	DATE: 9/15/08
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE 8400TL SINGLE HUNG NON-IMPACT WINDOW	MANUFACTURER KAWNEER COMPANY, INC. 555 GUTHRIE COURT NORCROSS, GA 30092 770-449-5555
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 130TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	CERTIFICATION JAN 06 2015 WARREN W. SCHAEFER, P.E. No. 44135
DRAWING NO. 1493	REV. C
SHEET NO. 2	OF 4

SUBSTRATE BY OTHERS
(PER FRAME ANCHOR
REQUIREMENTS TABLE
ON SHEET 1)

SEALANT
BY OTHERS

CLIP ANCHOR PER
ANCHOR REQUIREMENTS
TABLE ON SHEET 1

1/4" MAX.
SPACE

NO. 10 X 3/4" SELF
TAPPING/DRILLING
SCREWS WITHIN 3"
OF CORNERS & MAX.
8" O.C.

SEE GLAZING
DETAIL ON
THIS SHEET

NO. 10 X 3/4"
SELF
TAPPING/DRILLING
SCREWS WITHIN 3"
OF CORNERS &
MAX. 8" O.C.

SEALANT
BY OTHERS

SUBSTRATE BY
OTHERS (PER
FRAME ANCHOR
REQUIREMENTS
TABLE ON SHEET 1)

SECTION A
SCALE: 1/2 FULL

CLIP ANCHOR PER
ANCHOR REQUIREMENTS
TABLE ON SHEET 1

1/4" MAX. SPACE

CLIP ANCHOR
PER ANCHOR
REQUIREMENTS
TABLE ON SHEET 1

SUBSTRATE BY
OTHERS (PER
FRAME ANCHOR
REQUIREMENTS
TABLE ON SHEET 1)

SECTION B
SCALE: 1/2 FULL

FRAME WIDTH (F.W.)

NO. 10 X 3/4" SELF TAPPING/DRILLING
SCREWS WITHIN 3" OF CORNERS & MAX.
8" O.C. (ADD 2 ADDITIONAL SCREWS AT
MEETING RAIL END LOCATIONS)

SEALANT
BY OTHERS

SEE GLAZING
DETAIL ON
THIS SHEET

EXTERIOR

1/4" MAX. SPACE

CLIP ANCHOR
PER ANCHOR
REQUIREMENTS
TABLE ON SHEET 1

SUBSTRATE BY
OTHERS (PER
FRAME ANCHOR
REQUIREMENTS
TABLE ON SHEET 1)

SEALANT
BY OTHERS

SECTION C
SCALE: 1/2 FULL

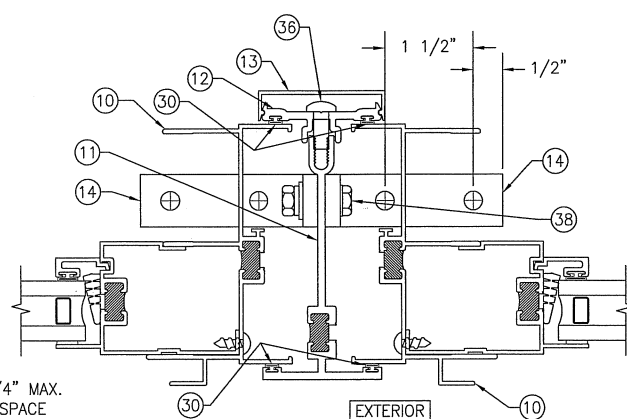
SEE GLASS
OPTIONS BELOW

NOVAGARD
SBC40-M170
SILICONE

SETTING BLOCK OR
WEDGE BLOCK AS
REQUIRED

TYPICAL GLAZING DETAIL
SCALE: 1/2 FULL

GLASS OPTION 1: 1" I.G. GLASS (1/8" AN/3/4"
SPACER/1/8" AN)
GLASS OPTION 2: 1" I.G. GLASS (1/8" TEMP/3/4"
SPACER/1/8" TEMP)



SECTION D
SCALE: 1/2 FULL
FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 9/15/08
DATE	
BY	
REVISION DESCRIPTION	
NO	
DRAWING TITLE 8400TL SINGLE HUNG NON-IMPACT WINDOW	
MANUFACTURER KAWNEER COMPANY, INC. 555 GUTHRIE COURT NORCROSS, GA 30092 770-449-5555	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
CERTIFICATION JAN 06 2015	REV. C
DRAWING NO. 1493	SHEET NO. 3 OF 4

