GENERAL NOTES

1. THIS SUBMITTAL SERVES TO PROVIDE INSTALLATION LOCATIONS, DETAILS, SPECIFICATIONS AND LOAD CAPACITY INFORMATION FOR THE QUICK TIE PRODUCTS, INC. SUPPLIED UNDER THE CONTRACT
2. EXCEPT AS SPECIFICALLY NOTED ON THESE SHOP DRAWINGS, ALL REQUIREMENTS OF THE ARCHITECT'S AND/OR ENGINEER OF RECORDS'S (EOR) DOCUMENT WILL REMAIN IN FORCE.
3. THESE DRAWINGS WERE PRODUCED USING THE ARCHITECT'S AND OR E.O.R'S DRAWINGS AND ADDITIONAL INFORMATION PROVIDED BY THE TRUSS MANUFACTURE'S SHOP DRAWINGS.
4. CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS BEFORE BEGINNING THE WORK OF THIS SUBMITTAL AND NOTIFY QUICK TIE PRODUCTS, INC OF ANY DISCREPANCIES.
5. THE QUICK TIE PRODUCT INCLUDED IN THIS SUBMITTAL ARE SUPPORTED BY THE TER REPORT #0910-01, #1811-03, #1404-06, AND #1506-20.
6. THE QT ANCHORS SHOWN IN THIS SUBMITTAL MUST BE INSTALLED BY A TRAINED INSTALLER.
7. ALL THE HARDWARE SHOWN IN THE SUBMITTAL SHALL BE INSTALLED IN THE STRICT ACCORDANCE WITH THE DETAILS AND NAILING REQUIREMENT SHOWN IN THE LOAD TABLE.
8. SOME OF THE LOAD TABLES INDICATE A LOAD DURATION FACTOR OF '1.3' AND '1.6" FOR THE CONNECTOR, CHECK WITH THE CODE OR BUILDING OFFICIAL TO VERIFY SPECIFIC APPLICABILITY.
9. DELIVER HANDLE AND STORE ALL MATERIALS IN THEIR ORIGINAL CARTONS, OFF THE GROUND AND PROTECTED FROM RAIN, SNOW, WIND, OR OTHER DAMAGING ELEMENTS, EITHER NATURAL OR MAN MADE.
10. ALL TRUSS TO TRUSS CONNECTORS SHALL BE SHOWN AND/OR SPECIFIED ON THE TRUSS MANUFACTURE'S SHOP DRAWINGS, UNLESS NOTED OTHERWISE.
11. ALL FRAMING CONNECTIONS FOR THE GABLES, ROOF OVER FRAMING, CHIMNEYS, AND OTHER MISCELLANEOUS AREAS NOT ADDRESSED ON THESE SHOP DRAWINGS SHALL BE SHOWN OR AS SPECIFIED ON THE ARCHITECT'S AND/OR E.O.R'S CONTRACT DRAWINGS.
12. THIS BUILDING SHALL NOT BE SECURED AGAINST UPLIFT OR LATERAL LOADS UNTIL ALL HARDWARE AND SHEATHING IS FULLY INSTALLED. CONTRACTORS SHALL MAKE PROVISIONS FOR SECURING THE STABILITY AND PROVIDING PROPER ALIGNMENT OF THE STRUCTURE DURING CONSTRUCTION.

QUICK TIE HOLD DOWN & UPLIFT ANCHORAGE NOTES

1. THE QT ASSEMBLIES, LOCATED AND DETAILED ON THESE SHOP DRAWINGS, PROVIDE UPLIFT RESISTANCE FROM THE FOUNDATION THROUGH TO THE UPPERMOST PLATE OF THE BUILDING WALL SYSTEM. THEY ARE PROVIDED IN LIEU OF THE SERIES OF STUD-TO-PLATE STRAPS AND CONNECTORS, OR THREADED RODS SHOWN ON THE ARCHITECT'S OR EOR'S DRAWINGS.
2. PRODUCTS:
   - 2.1. WIRE ROPE (BLUE CABLE) ---3/16" DIAMETER, GALVANIZED "AIRCRAFT" DESIGNATED 7X19 WITH A MINIMUM BREAKING STRENGTH OF 4,200 LBS.
   - 2.2. WIRE ROPE (GREEN CABLE) ---1/4" DIAMETER, GALVANIZED "AIRCRAFT" DESIGNATED 7X19 WITH A MINIMUM BREAKING STRENGTH OF 7,000 LBS.
   - 2.3. WIRE ROPE (ORANGE CABLE) ---5/16" DIAMETER, GALVANIZED "AIRCRAFT" DESIGNATED 7X19 WITH A MINIMUM BREAKING STRENGTH OF 9,800 LBS.
   - 2.4. WIRE ROPE (RED CABLE) ---3/8" DIAMETER, GALVANIZED "AIRCRAFT" DESIGNATED 7X19 WITH A MINIMUM BREAKING STRENGTH OF 14,400 LBS.
   - 2.5. THREADED STUDS: ASTM A 108, GRADE 1018 COLD FINISHED BAR STEEL WITH A MINIMUM YIELD STRENGTH OF 70,000 PSI AND AN ULTIMATE TENSILE STRENGTH OF 85,000 PSI. STUD SHALL BE SWAGED TO THE WIRE ROPE. STUD IS ZINC COATED.
   - 2.6. NUTS --- HEX NUTS, CADMIUM PLATED.
   - 2.7. ROUND WASHERS --- NOMINAL 1 INCH DIAMETER, GALVANIZED.
   - 2.8. SQUARE WASHERS: (BLUE) 2¼"x2¼"x3/16" WITH DIAGONAL SLOTTED HOLE, (GREEN AND ORANGE) 3"x3"x¼" WITH DIAGONALLY SLOTTED HOLE, (RED) 4½"x3"x½" WITH DIAGONALLY SLOTTED HOLE.. WASHER IS ZINC COATED.
   - 2.9. EPOXY --- SHALL BE QUICK TIE "QE-1", UNLESS NOTED OTHERWISE.
   - 2.10. OTHER HARDWARE REQUIRED FOR CONCENTRATED LOAD CONNECTIONS (SHEAR WALL OR GIRDER HOLD DOWNS) IS SHOWN ON DETAILS ACCOMPANYING THE QUICK TIE DETAILS AND RESISTS LOADS IN ACCORDANCE WITH THE LOAD TABLES CONTAINED IN THIS SUBMITTAL.
3. ALL THREADED ROD MEETS ASTM A36 CRITERIA (Fy=36KSI Fu=58KSI), UNLESS NOTED OTHERWISE.

DISCLAIMER

BY ACCEPTANCE OF THESE SHOP DRAWINGS, CONTRACTOR AND OWNER HEREBY AGREE THAT TO THE FULLEST EXTENT PERMITTED BY LAW THAT QUICKTIE'S TOTAL LIABILITY FOR ANY AND ALL INJURIES, CLAIMS, LOSSES EXPENSES OR DAMAGES WHATSOEVER ARISING OUT OF OR IN ANY WAY RELATED TO THE PROJECT FROM ANY CAUSE OR CAUSES INCLUDING BUT NOT LIMITED TO QUICKTIE'S NEGLIGENCE, ERRORS, OMISSIONS, STRICT LIABILITY, BREACH OF CONTRACT OR BREACH OF WARRANTY (HEREAFTER"CLAIMS") SHALL NOT EXCEED THE TOTAL SUM PAID ON BEHALF OF OR TO QUICKTIE'S INSURERS IN SETTLEMENT OR SATISFACTION OF OWNER'S CLAIMS UNDER THE TERMS AND CONDITIONS OF QUICKTIE'S INSURANCE POLICIES APPLICABLE THERETO. IF NO SUCH INSURANCE COVERAGE IS PROVIDED WITH RESPECT TO SUCH CLAIMS, THEN QUICKTIE'S TOTAL LIABILITY FOR ANY AND ALL SUCH UNINSURED CLAIMS SHALL NOT EXCEED THE TOTAL AMOUNT PAID TO QUICKTIE UNDER THE PURCHASE ORDER FOR THIS PROJECT.

SCOPE OF SERVICES

THE SEAL ON THESE DRAWINGS INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE QUICK TIE COMPONENTS SHOWN. THE ENGINEER IS ACTING AS A DELEGATED ENGINEER STRICTLY FOR THE DESIGN OF THE QUICK TIE PARTS.

ANY OTHER STRUCTURAL ELEMENTS OF THE PROJECT SHOWN ON THESE ENGINEERING DOCUMENTS ARE ONLY FOR INFORMATION AND CLARIFICATION AND THE ENGINEER DOES NOT ACCEPT RESPONSIBILITY FOR THESE ELEMENTS.

THE SCOPE HEREIN SHALL BE STRICTLY LIMITED TO ITS CONTENTS.

NOTES TO DESIGN PROFESSIONAL OF RECORD

1. THIS QUICK TIE SHOP DRAWING SPECIFIES QUICK TIE CABLES AS ALTERNATES TO THE SHEARWALL LOADS SPECIFIED IN THE STRUCTURAL DRAWINGS BY ______________________, DATED XX.XX.XXXX.
2. SHEAR CLIPS SC35 FASTENED WITH 12-10dx1½" AND SPACED AT __" O.C. AT ALL SHEARWALLS, PER DETAIL XX/SXXX OF STRUCTURAL DRAWINGS.
3. SPArtan SILL PLATE ANCHORS SHOULD BE SPACED ACCORDING TO 14/QD1.
4. TRUSS TO TOP PLATE AND GENERAL UPLIFT REQUIREMENTS ARE INCLUDED IN QUICK TIE SCOPE ON THIS PROJECT.
5. THE FOLLOWING ARE NOT INCLUDED IN QUICK TIE SCOPE ON THIS PROJECT, & ARE PROVIDED BY OTHERS:
   - STRUCTURAL STEEL OR STRUCTURAL STEEL CONNECTIONS
   - TRUSS TO TRUSS CONNECTIONS (TRUSS HANGERS)
   - EXTERIOR SILL PLATE ANCHORS (EA OR PAF)

INSTALLATION (OF QUICK TIE CABLES ONLY)

INSTALLER: ALL QUICK TIE ANCHORAGE SHALL BE INSTALLED BY A TRAINED INSTALLER WHO SHALL PROVIDE THE FOLLOWING DOCUMENTATION FOR APPROVAL BEFORE PROCEEDING WITH THE WORK.

1. CERTIFICATE(S) IDENTIFYING SPECIFIC TRAINED INSTALLER(S) WHO WILL BE WORKING ON THIS PROJECT.
   - 1.1. QUICK TIE DETAILED INSTALLATION INSTRUCTIONS.
   - 1.2. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROPER INSTALLATION OF ALL ELEMENTS OF THE WALL SYSTEM NOT SPECIFICALLY PROVIDED BY QUICK TIE PRODUCTS, INC. SOME OF THESE ELEMENTS HAVE SPECIFIC REQUIREMENTS THAT ARE DETAILED IN THIS SUBMITTAL:
     - 1.2.1. DESIGN LOAD CAPACITIES FOR QUICK TIE PRODUCTS IN THIS SUBMITTAL ARE BASED ON THE CONTRACTOR USING DOUGLAS FIR LARCH (G=0.50) OR SOUTHERN YELLOW PINE (G=0.55) LUMBER FOR THE FRAMING U.N.O. IF DOUGLAS FIR (S) OR HEM FIR (N) (G=0.46) IS USED MULTIPLY TABLE VALUES BY 0.88. IF SPRUCE-PINE-FIR (G=0.42) LUMBER IS USED MULTIPLY TABLE VALUES BY 0.86.
     - 1.2.2. STUD FRAMING --- QUICK TIE ANCHORS, WHEN PRE-TENSIONED, IMPART A COMPRESSION LOAD ON THE STUD FRAMING. THE DETAILS IN THIS SUBMITTAL INCLUDE SUGGESTED STUD ARRANGEMENTS FOR RESISTING THESE LOADS, BUT THE RESPONSIBILITY FOR THE PERFORMANCE OF THESE MEMBERS RESTS WITH THE ARCHITECT OR EOR.
     - 1.2.3. SHEATHING --- IN ORDER FOR THE UPLIFT SYSTEM TO RESIST LOADS SHOWN IN THE QUICK TIE SPACING TABLE ON THIS SHEET, THE SHEATHING, AT A MINIMUM, MUST BE:
       - ONE SIDE 7/16 INCH OSB WITH 8D NAILS ON A 6/12 PATTERN.
       - TWO SIDES ½ INCH GWB WITH #6 X 1¼" INCH SCREWS ON A 16/16 PATTERN. WHEN THIS WALL SYSTEM IS USED, ADDITIONAL STRAPPING IS PROVIDED AND MUST BE INSTALLED IN ACCORDANCE WITH DETAIL "2" ON SHEET QD1.
       - ONE SIDE ½ INCH GWB WITH #6 X 1¼" SCREWS ON A 16/16 PATTERN EACH FOR A DOUBLE PARTITION WALL WITH WITH THE UPPERMOST TOP PLATE COVERING BOTH THE PARTITION WALLS (SEE DETAIL 9 ON QD1) WHEN THIS WALL SYSTEM IS USED, ADDITIONAL STRAPPING IS PROVIDED AND MUST BE INSTALLED IN ACCORDANCE WITH DETAIL "2" ON SHEET QTD.
2. WHERE BOXED COLUMNS OR WALLS ARE TO BE ENCLOSED ON BOTH SIDES, SHEATHING ON ONE SIDE SHALL BE LEFT OFF UNTIL FULLY INSPECTED BY REQUIRED INSPECTION OFFICIALS.
   - 2.1. PLATES --- THE TOP PLATES AND SOLE PLATES WILL BE DRILLED BY THE QUICK TIE INSTALLER DURING THE INSTALLATION PROCESS. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING APPROPRIATE FIRE PROOFING/STOPPING FOR THESE PENETRATIONS TO MEET ALL RATED ASSEMBLY REQUIREMENTS.
   - 2.2. CONCRETE --- THE CONCRETE WILL BE DRILLED BY THE QUICK TIE INSTALLER DURING THE INSTALLATION PROCESS. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR INSURING THAT THE CONCRETE RECEIVING THE EPOXIED STUD HAS REACHED A MINIMUM OF 2500 PSI COMPRESSIVE STRENGTH BEFORE THE QUICK TIES ARE PRE-TENSIONED. FURTHERMORE, THE GENERAL CONTRACTOR SHALL INSURE THAT THE EPOXIED STUD REMAINS UNDISTURBED UNTIL THE EPOXY HAS ACHIEVED MINIMUM "LOAD TIME" FOR THE TEMPERATURE AND CONDITIONS INDICATED ON THE QUICK TIE "QE-1" LABEL. IF 2000 PSI CONCRETE IS USED ON THE PROJECT INCREASE THE GREEN CABLE EDGE DISTANCE FROM 2¼" TO 2¾".

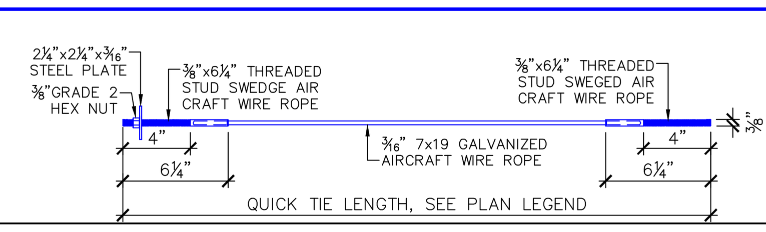
ALLOWABLE UPLIFT AT QT SPACING (LB)

QT Spacing	Rafters/Trusses at 16" o.c.								Rafters/Trusses at 24" o.c.							
	QT with 2-1/4" Edge Distance						QT with No Edge Condition		QT with 2-1/4" Edge Distance						QT with No Edge Condition	
	QTB	QT Connector to Top Plate	QTG	QT Connector to Top Plate	QTG	QT Connector to Top Plate			QTB	QT Connector to Top Plate	QTG	QT Connector to Top Plate	QTG	QT Connector to Top Plate		
1'-4" (16")	1,909	(2) MTS12	2,839	(2) HTS16	3,182	(2) HTS16			1,909	(2) MTS16	2,839	(2) HTS16	3,182	(2) HTS16		
2'-0" (24")	1,273	(1) HTS16 or (2) HA6	1,893	(2) MTS12	2,121	(2) MTS12			1,909	(2) MTS12	2,839	(2) HTS16	3,182	(2) HTS16		
2'-8" (32")	955	(1) MTS12 or (1) HA10	1,420	(1) HTS16	1,591	(1) HTS16			1,432	(1) HTS16	2,129	(2) MTS12	2,387	(2) HTS16		
4'-0" (48")	636	(1) HA6	946	(1) MTS12 or (1) HA10	1,061	(1) MTS12 or (1) HA10			954	(1) MTS12 or (1) HA10	1,420	(1) HTS16	1,591	(1) HTS16		
5'-4" (64")	477	(1) HA6	710	(1) MTS12 or (1) HA10	796	(1) MTS12 or (1) HA10			716	(1) MTS12 or (1) HA10	1,065	(1) MTS12 or (1) HA10	1,193	(1) MTS12 or (1) HA10		
6'-0" (72")	424	(1) HA6	631	(1) HA6	707	(1) MTS12 or (1) HA10			636	(1) HA6	946	(1) MTS12 or (1) HA10	1,061	(1) MTS12 or (1) HA10		
6'-8" (80")	382	(1) HA6	568	(1) HA6	636	(1) HA6			573	(1) HA6	852	(1) MTS12 or (1) HA10	955	(1) MTS12 or (1) HA10		
8'-0" (96")	318	(1) HA6	473	(1) HA6	530	(1) HA6			400	(1) HA6	710	(1) MTS12 or (1) HA10	796	(1) MTS12 or (1) HA10		

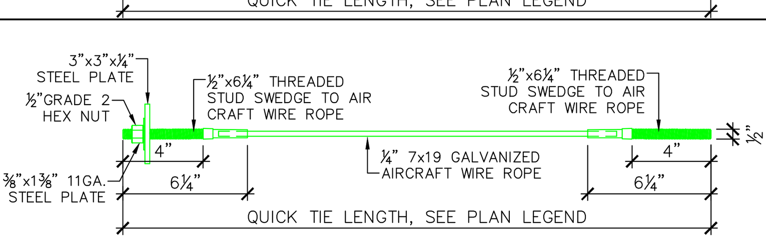
NOTES:
1. Use only QuickTie System materials as specified and supplied by QuickTie Products, Inc.
2. Min. edge distance = 2-1/4 in., Min. end distance = 7 in., Min. Embedment = 5 in. and Min. concrete strength = 2,500 psi.
3. The maximum allowable design load with 2-1/4 in. edge distance for QTB(L) is 1,909 lb and QTG(L) is 2,839 lb.
4. The maximum allowable design load with no edge condition for QTB(L) is 1,909 lb and QTG(L) is 3,182 lb.
5. If the cable spacing is 4 ft or greater and no structural sheathing is provided, (1) LS18 strap shall be installed at mid-spacing to prevent top plate bending.
6. The allowable uplift load (CD = 1.6) per connector with Southern Pine (SG = 0.55) lumber and 10d x 1-1/2" nails:
   a. HA6 = 650 lb, MTS12 = 1,085 lb, HA10 = 1,140 lb and HTS16 = 1,665 lb.

PRODUCT FEATURES

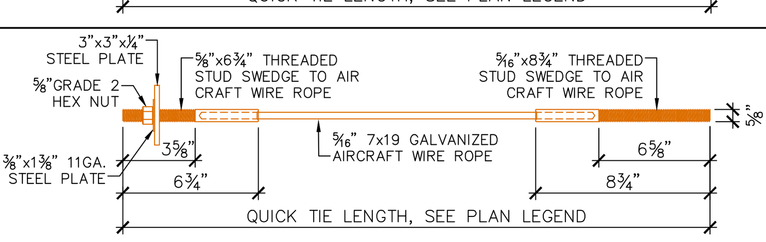
QTB BLUE FL13468.1
3/16" WIRE ROPE
3/8" STEEL STUD
ALLOWABLE LOAD: 1,909 LBS
TOP PLATE HOLE: 1" DIA
SILL PLATE HOLE: 5/8" DIA
CONCRETE HOLE: 7/16" DIA
MIN EMBEDMENT: 4"
MIN EDGE DISTANCE: 2¼"



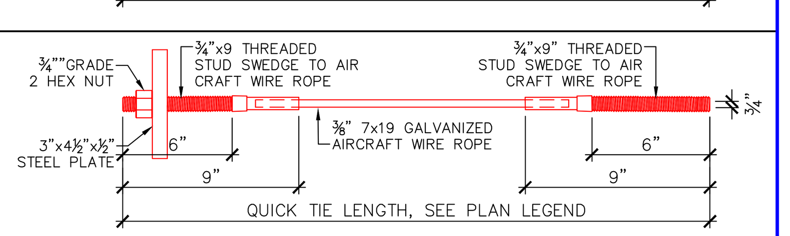
QTG GREEN FL13468.2
1/4" WIRE ROPE
1/2" STEEL STUD
ALLOWABLE LOAD: 2,839 LBS
TOP PLATE HOLE: 1" DIA
SILL PLATE HOLE: 5/8" DIA
CONCRETE HOLE: 9/16" DIA
MIN EMBEDMENT: 4"
MIN EDGE DISTANCE: 2¼"



QTO ORANGE FL13468.3
5/16" WIRE ROPE
5/8" STEEL STUD
ALLOWABLE LOAD: 4,455 LBS
TOP PLATE HOLE: 1" DIA
SILL PLATE HOLE: ¾" DIA
CONCRETE HOLE: ¾" DIA
MIN EMBEDMENT: 6⅝"
MIN EDGE DISTANCE: 3"



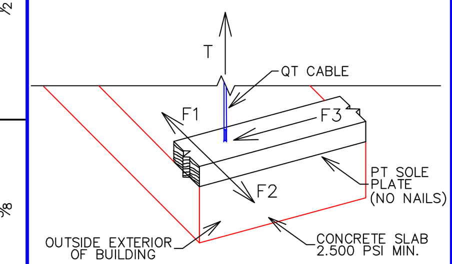
QTR RED FL13468.4
3/8" WIRE ROPE
3/4" STEEL STUD
ALLOWABLE LOAD: 6,545 LBS
TOP PLATE HOLE: 1"
SILL PLATE HOLE: 7/8" DIA
CONCRETE HOLE: 7/8" DIA
MIN EMBEDMENT: 8⅜"
MIN EDGE DISTANCE: 3½"



SHEAR RESISTANCE

Allowable Loads for Cables Under Combined Tension & Shear

Cable Type		Blue	Green
Tension (lb)	T	1909	3182
Shear (lb)	F1	1454	1789
	F2	510	620
	F3	1130	1399



Notes:
1. Allowable loads are based on the test results with SP, No.2 lumber.
2. T = Cable Tension
   F1=Perpendicular to Sill Plate (force acting from outside of wall)
   F2=Perpendicular to Sill Plate (force acting inside of wall)
   F3=Parallel to Sill Plate (in-plane shear)
3. Min. concrete compression strength, f'c =2,500 psi.
4. Min. edge distance = 2-1/4", Min. end distance = 6-1/2" & Min. embedment = 4".
5. Frictional resistance due to self-weight of building components is not included.
6. Overspill epoxy per installation instructions.

QT PRODUCTS

QT PRODUCTS	QT #	QT LOAD	REFERENCE #		FASTENERS	REF. LOAD
A. FOUNDATION CONNECTORS (ALL VALUES NOTED ARE FOR SYP)						
SPArtan Sill Plate Anchor	SPA67	1395	THD	PFM	–	1385
Form Tie/Form Wedge	FT8/FTW	–	–	–	–	–
Anchor Chair	AC33	–	ABL	ARC	–	–
Anchor Bolt	ABG	–	PAB	–	–	–
	ABO	–	SB	AB	–	–
	ABR	–	–	–	–	–
Anchor Bolt Assembly	QTABA	–	AM	–	–	–
CMU Saddle Assembly	CMUB	–	–	–	–	–
	CMUG	–	–	–	–	–
	CMUO	–	–	–	–	–
	CMUR	–	–	–	–	–
Post Bases	PBA44	2335	ABU44	PAU44	(12) 16d	1900
	PBA46	2335	ABU46	PAU46	(12) 16d	2405
	PBA66	2545	ABU66	PAU66	(12) 16d	2475
	PBA77	3590	ABW7-7Z	–	(14) 16d	840
	PBA88	3590	ABA88	PAU88	(14) 16d	2570
Hold-Downs	LTT20B	1120	LTT20B	LTS20B	–	1500
	HDTT	–	DTT2Z	DTB-TZ	–	2145
	HDTT45	5770	HTT4, HTT5	HDTT45	–	5090
	HD5	–	HDU5-SDS2.5	PHD5A	–	5645
	HD8	–	HDU8-SDS2.5	PHD8	–	7870
	HD9	–	HDU11-SDS2.5	UPHD9	–	11175
	HD11	–	HHDQ11-SDS2.5	UPHD11	–	11810
	HD14	–	HDU14-SDS2.5, HHDQ14-SDS2.5	UPHD14	–	14445
	HD15	–	HD19	TD15	–	19360
B. QUICKTIE ACCESSORIES (ALL VALUES NOTED ARE FOR SYP)						
Epoxy	QE-1	–	SET-3G	CIA-GEL 7000-C	–	–
		–	SET-XP	CIA-GEL 7000	–	–
		–	ET-HP	–	–	–
		–	SET	–	–	–
		–	AT-XP	–	–	–
Fire Caulk	3MFIREDAM	–	–	–	–	–
Epoxy Anchors	EA	–	THD	PFM	–	–
Couplers	C	–	CNW	CNW	–	–
	CR	–	HSCNW		–	–
Bearing Plates	BP	–	BP	BP	–	–
		–	LBP	HBPS	–	–
		–	RP6	LBP	–	–
		–	–	LBPS	–	–
Threaded Rods	TR	–	ATS-R	ATR	–	–
		–	ATS-HSR		–	–
Hex Nuts	HN	–	HN	HN	–	–
Weld Nuts	WN	–	–	–	–	–
C. QUICKTIES (ALL VALUES NOTED ARE FOR SYP)						
QT Wood	QTB	1909	–	–	–	–
	QTG	2839	–	–	–	–
	QTO	4455	–	–	–	–
	QTR	6545	–	–	–	–
QT Masonry	QTBM	2102	–	–	–	–
	QTGM	3504	–	–	–	–
	QTOM	4905	–	–	–	–
	QTRM	7207	–	–	–	–
D. WOOD CONNECTORS (ALL VALUES NOTED ARE FOR SYP)						
Hurricane Anchors	HA4	662	H3	RT3A, RT4, RT5	(9) 8d X 1.5	400
	HA6	650	H2.5A, H2.5T	RT7A, RT7AT	(10) 8d X 1.5	565
	HA8	815	H8	RT8A	(10) 10d X 1.5	780
	HA10	1350	H10A, H14	RT16A	(17) 10d X 3"	855
	HA10R	1350	H10AR	RT16AR	(17) 10d X 3"	1050
	HA10-2	1350	H10A-2	RT16-2	(17) 10d X 3"	1080
Girder Connector	QGC	4455	MGT, VGT	MUGT15	(16) 1/4" SCREWS	3965
	QGCW	5445	MGT, VGT	MUGT15	(16) 1/4" SCREWS	3965
Twist Straps	MTS12	1085	MTS12	MTW12	(14) 10d X 3	990
	HTS16	1665	HTS16	HTW16	(22) 10d X 1.5	1310
	HTS20	1665	HTS20	HTW20	(22) 10d X 1.5	1310
	HTS24	1665	HTS24	HTW24	(22) 10d X 1.5	1310
	HTS28	1665	–	HTW28	(22) 10d X 1.5	1310
Girder TieDowns	LGT2	–	LGT2	LUGT2	–	1885
	LGT3	–	LGT3-SDS2.5	LUGT3	–	3480
	LGT4	–	LGT4-SDS3	LUGT4	–	4060
Hurricane Gusset Angles	HGAKT	1085	HGA10KT	HGA10KT	–	650
	HGAMKT	815	HGAM10KTA	HGAM10KT	–	810
Shear Clips/Flats	SC34	685	A34	MP34	–	545
	SC35	842	A35, L50, L70, L90	MPA1, AC5, AC7, AC9	–	650
	SC35F	773	LTP4, LTP5	MP4F, MP6F	–	625
Plywood Clips	PC	–	PSCL	PC	–	–
Flat Straps	LS12	1000	LSTA12	LSTA12	–	925
	LS18	1295	LSTA18	LSTA18	–	1235
	LS24	1295	LSTA24	LSTA24	–	1235
	MS24	1843	MSTA24	MSTA24	–	1640
	MS36	2118	MSTA36	MSTA36	–	2065
	MS48	2118	MSTA48	MSTA49	–	2020
Coil Strapping	CS20-250	1343	CS20	RS250	–	1030
	CS18-200	1777	–	RS200	–	–
	CS16-150	2206	CS16	RS150	–	1705
	CS14-100	2717	CS14	RS14-100	–	2490
	CMST16-54	5295	CMSTC16	CMSTC16	–	4690
	CMST14-52.5	6524	CMST14	CMST14	–	6475
	CMST12-40	9256	CMST12	CMST12	–	9215
Post Caps	PCM44	2120	PC44	PCM44	–	1480
	PCM46	2120	PC46	PCM46	–	1480
	PCM48	2120	PC48	PCM48	–	1480
	PCM64	2120	PC64	PCM64	–	1480
	PCM66	2120	PC66	PCM66	–	1480
	PCM68	2120	PC68	PCM68	–	1480
	PCM77	2120	–	PCM77	–	–
	PCM84	2120	PC84	PCM84	–	1480
	PCM86	2120	PC86	PCM86	–	1480
	PCM88	2120	PC88	PCM88	–	1480
	PCM44-16	1875	PC44-16	PCM4416	–	1130
	PCM46-16	1875	PC46-16	PCM4616	–	1130
	PCM48-16	1875	PC48-16	PCM4816	–	1130
	PCM64-16	1875	PC64-16	PCM6416	–	1435
	PCM66-16	1875	PC66-16	PCM6616	–	1435
	PCM68-16	1875	–	PCM6816	–	1435
	PCM84-16	1875	–	PCM8416	–	1435
	PCM86-16	1875	–	PCM8616	–	1435
	PCM88-16	1875	–	PCM8816	–	1435
	EPCM44	2120	EPC44	EPCM44	–	–
	EPCM46	2120	EPC46	EPCM46	–	–
	EPCM48	2120	EPC48	EPCM48	–	–
	EPCM64	2120	EPC64	EPCM64	–	–
	EPCM66	2120	EPC66	EPCM66	–	–
	EPCM68	2120	EPC68	EPCM68	–	–
	EPCM77	2120	–	EPCM77	–	–
	EPCM84	2120	EPC84	EPCM84	–	–
	EPCM86	2120	EPC86	EPCM86	–	–

QT PRODUCTS		QT #	QT LOAD	REFERENCE #		FASTENERS	REF. LOAD
Post Caps		EPCM88	2120	EPC88	EPCM88	–	–
		EPCM44-16	1875	EPC44-16	EPCM4416	–	–
		EPCM46-16	1875	EPC46-16	EPCM4616	–	–
		EPCM48-16	1875	EPC48-16	EPCM4816	–	–
		EPCM64-16	1875	EPC64-16	EPCM6416	–	–
		EPCM66-16	1875	EPC66-16	EPCM6616	–	–
		EPCM68-16	1875	–	EPCM6816	–	–
		EPCM84-16	1875	–	EPCM8416	–	–
		EPCM86-16	1875	–	EPCM8616	–	–
		EPCM88-16	1875	–	EPCM8816	–	–
Face Mount Joist Hangers (Floor Load, C_D=1.0)							
2x6	1-ply	UL26	1215	LU26, LUS26	JL26, JUS26	(10) 16d	865
	1-ply	ULP26	1230	MUS26	MUS26	(10) 16d	1405
	1-ply (IF)	ULP-IF26	830	LUC26Z	JL26IF-TZ	(6) 16d, (4) 10d	845
	Rough	ULP26R	1230	LU26R-18	–	(10) 16d	835
	1-ply	UM26	1445	U26	SUH26	(12) 16d	865
	Rough	UM26R	1445	U26R	SUH26R	(12) 16d	1150
	1-ply	UH26	1465	HU26	HD26	(12) 16d	595
(2) 2x6	2-ply	UL26-2	1215	LU26-2, LUS26-2	JL26-2, JUS26-2	(10) 16d	1030
	2-ply	ULP26-2	1230	LUS26-2	JUS26-2	(10) 16d	1030
	2-ply	UM26-2	1445	U26-2	SUH26-2	(12) 16d	1150
	2-ply	UH26-2	1465	HUS26-2	HUS26-2	(12) 16d	1055
	2-ply (IF)	UH-IF26-2	865	HUSC26-2, HUC26-2	HUS26-2IF, HD26-2IF	(6) 16d, (6) 10d	1190
(3) 2x6	3-ply	ULP26-3	1230	LUS26-3	JUS26-3	(10) 16d	1030
	3-ply	UM26-3	1445	U26-3	SUH26-3	(12) 16d	1150
	3-ply	UH26-3	1465	HU26-3	HD26-3	(12) 16d	1785
	3-ply (IF)	UH-IF26-3	865	HUC26-3	HD26-3IF	(6) 16d, (6) 10d	1785
2x8	1-ply	UL28	1695	LU28, LUS28	JL28, JUS28	(14) 16d	1370
	1-ply	ULP28	1710	MUS28	MUS28	(14) 16d	1875
	1-ply (IF)	ULP-IF28	1110	–	JL28IF-TZ	(8) 16d, (6) 10d	1105
	Rough	ULP28R	1710	LU28R-18	–	(14) 16d	1110
	1-ply	UM28	1885	–	SUH28	(18) 16d	1175
	Rough	UM28R	1885	LU28R-18	SUH28R	(18) 16d	1110
	1-ply	UH28	1865	HU28	HD28	(18) 16d	895
(2) 2x8	2-ply	UL28-2	1695	LUS28-2	JUS28-2	(14) 16d	1315
	2-ply	ULP28-2	1710	LUS28-2	JUS28-2	(14) 16d	1315
	2-ply	UM28-2	1885	–	SUH28-2	(18) 16d	1765
	2-ply	UH28-2	1865	HUS28-2	HUS28-2	(18) 16d	1580
	2-ply (IF)	UH-IF28-2	1635	HUSC28-2, HUC28-2	HUS28-2IF, HD28-2IF	(12) 16d, (6) 10d	2085
(3) 2x8	3-ply	ULP28-3	1710	LUS28-3	JUS28-3	(14) 16d	1315
	3-ply	UH28-3	1865	–	HD28-3	(18) 16d	2155
	3-ply (IF)	UH-IF28-3	1635	–	HD28-3IF	(12) 16d, (6) 10d	2155
2x10	1-ply	UL210	2175	LU210, LUS210	JL210, JUS210	(18) 16d	1390
	1-ply	ULP210	2190	LUS210	JUS210	(18) 16d	1335
	1-ply (IF)	ULP-IF210	1385	LUC210Z	JL210IF-TZ	(10) 16d, (6) 10d	1410
	Rough	ULP210R	2190	LU210R-18	–	(18) 16d	1390
	1-ply	UM210	2320	U210	SUH210	(26) 16d	1440
	Rough	UM210R	2320	U210R	SUH210R	(26) 16d	2015
	1-ply	UH210	2265	HU210	HD210	(26) 16d	1190
(2) 2x10	2-ply	UL210-2	2175	LUS210-2	JUS210-2	(18) 16d	1830
	2-ply	ULP210-2	2190	LUS210-2	JUS210-2	(18) 16d	1830
	2-ply	UM210-2	2320	U210-2	SUH210-2	(26) 16d	2015
	2-ply	UH210-2	2265	HUS210-2	HUS210-2	(26) 16d	2110
	2-ply (IF)	UH-IF210-2	2400	HUSC210-2, HUC210-2	HUS210-2IF, HD210-2IF	(10) 16d, (6) 10d	2680
(3) 2x10	3-ply	ULP210-3	2190	LUS210-3	JUS210-3	(18) 16d	1830
	3-ply	UM210-3	2320	U210-3	SUH210-3	(26) 16d	2015
	3-ply	UH210-3	2265	HU210-3	HD210-3	(26) 16d	2085
	3-ply (IF)	UH-IF210-3	2400	HUC210-3	HD210-3IF	(10) 16d, (6) 10d	2680
2x12	1-ply	UL212	1570	LU210, LUS210	JL210, JUS210	(20) 16d	1390
	1-ply	UH212	3060	HU212	HD212	(32) 16d	1490
(2) 2x12	2-ply	UH212-2	3060	HUS212-2	HUS212-2	(32) 16d	2635
	2-ply	UH-IF212-2	3170	HUSC212-2, HUC212-2	HUS212-2IF, HD212-2IF	(22) 16d (10) 10d	2635
(3) 2x12	3-ply	UH212-3	3060	HU212-3	HD212-3	(32) 16d	2385
	3-ply	UH-IF212-3	3170	HUC212-3	HUS212-3IF	(22) 16d (10) 10d	3275
3x6	1-ply	ULP36	1230	LUS36	JUS36	(10) 16d	1130
	1-ply	UM36	1445	U36	SUH36	(12) 16d	1150
	1-ply	UH36	1465	HU36	HD36	(12) 16d	1190
	1-ply (IF)	UH-IF36	865	HUC36	HD36IF	(6) 16d, (6) 10d	1190
3x8	1-ply	ULP38	1710	–	JUS38	(14) 16d	1325
	1-ply	UH38	1865	HU38	HD38	(18) 16d	1490
	1-ply (IF)	UH-IF38	1635	HUC38	HD38IF	(12) 16d, (6) 10d	1490
3x10	1-ply	ULP10	2190	LUS310	JUS310	(18) 16d	1315
	1-ply	UM310	2320	U310	SUH310	(26) 16d	2015
	1-ply	UH310	2265	HU310	HD310	(26) 16d	2085
	1-ply (IF)	UH-IF310	2400	HUC310	HD310IF	(18) 16d (8) 10d	2085
3x12	1-ply	UH312	3060	HU312	HD312	(32) 16d	2385
	1-ply (IF)	UH-IF312	3170	HUC312	HD312IF	(22) 16d (10) 10d	2385
4x6	1-ply	ULP46	1230	LUS46	JUS46	(10) 16d	1030
	1-ply	UM46	1445	U46	SUH46	(12) 16d	1150
	Rough	UM46R	1445	U46R	SUH46R	(12) 16d	1150
	1-ply	UH46	1465	HUS46	HUS46	(12) 16d	1055
	1-ply (IF)	UH-IF46	865	HUC46	HUS46IF	(6) 16d, (6) 10d	1785
4x8	1-ply	ULP48	1710	LUS48	JUS48	(14) 16d	1315
	1-ply	UH48	1865	HUS48	HUS48	(18) 16d	1580
	1-ply (IF)	UH-IF48	1635	HUC48	HUS48IF	(12) 16d, (6) 10d	2085
4x10	1-ply	ULP410	2190	LUS410	JUS410	(18) 16d	1830
	1-ply	UM410	2320	U410	SUH410	(26) 16d	2015
	Rough	UM410R	2320	U410R	SUH410R	(26) 16d	2015
	1-ply	UH410	2265	HUS410	HUS410	(26) 16d	2110
	1-ply (IF)	UH-IF410	2400	HUC410	HUS410IF	(18) 16d (8) 10d	2680
4x12	1-ply	UH412	3060	HUS412	HUS412	(32) 16d	2635
	1-ply (IF)	UH-IF412	3170	HUC412	HUS412IF	(22) 16d (10) 10d	3275

DISCLAIMER

1. THE UNDERSIGNED PROFESSIONAL ENGINEER IS NOT THE ENGINEER OF RECORD (EOR) FOR THIS PROJECT. THE EOR IS RESPONSIBLE FOR VERIFICATION THAT QUICK TIE PRODUCTS, INC. HAS CORRECTLY INTERPRETED THE PROJECT DESIGN REQUIREMENTS AS SHOWN ON THIS SUBMITTAL.
2. THE SEAL ON THIS SUBMITTAL APPLIES ONLY TO THE LAYOUT OF PARTS DELIVERED BY QUICK TIE PRODUCTS, INC. FOR THIS PROJECT. RESPONSIBILITY FOR ANY OTHER ASPECT OF THE PROJECT DESIGN, INCLUDING BUT NOT LIMITED TO VERIFICATION OF OTHER STRUCTURAL COMPONENTS AS REQUIRED TO ACCOMMODATE THE QUICK TIE SYSTEM COMPONENTS, IS EXPRESSLY DISCLAIMED.
3. QUICK TIE REQUESTS OUR CUSTOMERS TO VERIFY PLATE HEIGHTS BY SIGNING AND RETURNING A FORM. THE PURPOSE OF THIS FORM IS TO AVOID SITUATIONS WHERE AS-BUILT ELEVATIONS VARY FROM ELEVATIONS INDICATED ON ARCHITECTURAL DRAWINGS, AND THEREFORE, MANUFACTURED CABLES ARE NOT THE APPROPRIATE LENGTH. CABLES ARE CUSTOM MADE, AND CABLES THAT ARE TOO LONG CANNOT BE FIELD REMEDIED AND MUST BE REMANUFACTURED. IN THE EVENT A FORM IS SIGNED AND RETURNED, QUICK TIE PRODUCTS, INC. BEARS THE RESPONSIBILITY OF MANUFACTURING CABLES TO CONFIRMED, PRECISE LENGTHS. IN THE ABSENCE OF A RETURNED FORM, QUICK TIE PRODUCTS, INC.MUST RELY SOLELY ON ARCHITECTURAL ELEVATIONS, AND THE CUSTOMER IS RESPONSIBLE FOR ANY VARIANCE IN THE FIELD (AND RESULTANT IMPROPER CABLE LENGTH, REQUIRING NEW CABLES).
4. GENERAL CONTRACTOR AND/OR SUB-CONTRACTOR IS TO CONTACT QUICK TIE PRIOR TO INSTALLATION (OF ANY MATERIAL) IF THERE IS ANY CONTRADICTING INFORMATION AND/OR NOMENCLATURE BETWEEN ARCHITECTURAL / STRUCTURAL PLANS AND THE SHOP DRAWINGS ISSUED FOR CONSTRUCTION.

DISCLAIMER (POST-TENSIONED SLAB)

QUICK TIE PRODUCTS, INC ("QUICKTIE"), HAS PREPARED SHOP DRAWINGS USING CAD FILES PROVIDED BY THE ARCHITECT AND/OR ENGINEER, AND HAS NO KNOWLEDGE OF TENDON LOCATIONS BEYOND WHAT HAS BEEN PROVIDED IN THE CAD FILES. NOR IS QUICKTIE IN PRIVITY WITH THE POST-TENSION DESIGNER. ACCORDINGLY, QUICKTIE TAKES NO RESPONSIBILITY FOR ANYTHING WHATSOEVER RELATED TO THE POST TENSION SLAB LAYOUT. THIS LAYOUT IS FOR CONTRACTOR'S INFORMATIONAL PURPOSES ONLY. BEFORE DRILLING OR CUTTING INTO A POST TENSION SLAB, CONTRACTOR MUST X-RAY THE SLAB TO DETERMINE EXACT TENDON LOCATIONS. CONTRACTOR SHALL INDEMNIFY QUICKTIE AND HOLD QUICKTIE HARMLESS FROM AND AGAINST, AND SHALL DEFEND AGAINST, ANY AND ALL CLAIMS AND DAMAGES OF EVERY KIND FOR DAMAGE TO OR LOSS OF PROPERTY, ARISING OUT OF OR ATTRIBUTED, DIRECTLY OR INDIRECTLY, TO THE CONDUCT, OPERATIONS OR PERFORMANCE OF CONTRACTOR IN RELATION TO THE POST TENSION SLAB.

LEGEND

QUICK TIE SYMBOLS

1-STORY (circle) | 2-STORY (square) | 3-STORY (triangle) | 4-STORY (hexagon) | 5-STORY (diamond)

SIZE	QUICK TIE	ALLOWABLE LOAD
B	3/16" WIRE ROPE W/ 3/8" STEEL STUD	1,909 LBS.
G	1/4" WIRE ROPE W/ 1/2" STEEL STUD	2,839 LBS.
O	5/16" WIRE ROPE W/ 5/8" STEEL STUD	4,455 LBS.
R	3/8" WIRE ROPE W/ 3/4" STEEL STUD	6,545 LBS.

QUICK TIE ANCHOR AND TRUSS LEGEND

CONNECTION DETAIL (IF APPLICABLE) → ## B ## ← QT LENGTH
B ← QT SIZE
QT SYMBOL
1-HA4 ← GIRDER TRUSS CONNECTION TO TOP PLATE
1 ← DETAIL NUMBER
QD1 ← SHEET NUMBER
LS18 ← TOP PLATE TO STUD WALL CONNECTION

QUICK TIE™ SYSTEMS
13300 VANTAGE WAY
JACKSONVILLE, FLORIDA 32218
Phone: (904) 281-0525 Fax: (904) 281-0526
WWW.QUICKTIEPRODUCTS.COM

DATES:	REVISIONS:
XX/XX/XXXX	EOR REVIEW

CONTRACTOR
XXX

ARCHITECT
XXX
PLAN DATE: XX/XX/XXXX

STRUCTURAL
XXX
PLAN DATE: XX/XX/XXXX

QUICK TIE PRODUCTS, INC. DOES NOT TAKE OR ASSUME ANY RESPONSIBILITY FOR ANY ASPECT OF THE ACTUAL INSTALLATION OF THIS PROJECT. BUILDER SHALL HAVE THE QUICK TIE SYSTEM INSTALLED ON THIS PROJECT ACCORDING TO THE PLANS, SPECIFICATIONS, AND INSTALLATION INSTRUCTIONS, BY A TRAINED QUICK TIE INSTALLER. BUILDER AND INSTALLER SHALL REVIEW THESE DRAWINGS AND EXAMINE THE JOBSITE PRIOR TO INSTALLATION OF THE QUICK TIE SYSTEM. ANY POSSIBLE CONFLICTS WITH REGARDS TO PLACEMENT OF QUICK TIES SHALL BE RESOLVED BY THE BUILDER AND INSTALLER WITH CONSULTATION OF QUICK TIE IF NECESSARY PRIOR TO COMMENCEMENT OF INSTALLATION.

PROJECT
JOB NUMBER: MF-ST-00-00-00

XXX
XXX
XXX

DESIGN CRITERIA
BUILDING CODE: FLORIDA
BUILDING CODE, 2020 EDITION
WIND SPEED: 140 MPH
CATEGORY: II
EXPOSURE CATEGORY: C
ENCLOSED : MWFRS

GENERAL NOTES AND SPECIFICATIONS

Q0.1

2 OF 6 SHEETS

DATE: XX/XX/XXXX
SCALE: AS SHOWN
DRAWN BY: MCR

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