

# SHIPMENT INVENTORY LIST INSTALLER'S / SUB-CONTRACTOR'S NOTICE

# DO NOT DISCARD

# The following bill of material should be utilized during the assembly process, for the correct location of materials and hardware.

Failure to report material shortages or damaged goods within 48-hours of receipt will indicate that the sub-contractor has accepted all material in good condition.

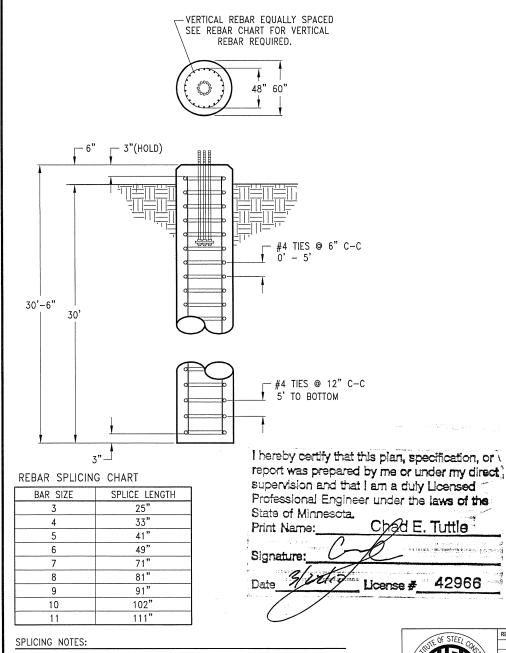
Any non-reported problems and/or missing items are assumed to have occurred at the site, thus eliminating Tower Innovations from all responsibility.

If material problems are reported within 48-hours of receipt, Tower Innovations, will ship the item for replacement, and after that time any shortage will be billed to the subcontractor.

# This form must be signed, mailed or faxed back to our office within 48-hours

Mailing Address:	Attn. Project Manager Tower Innovations Newburgh, IN 47630	Work Order:				
	Phone: (812) 853-0595 Fax: (812) 853-6652	SITE NAME:	Jeners, Min.			
Inventory Completed	By:		Date:	/	/	
Sub-Contractor's Con	npany Name:					

Page: 1 **STAGED MATERIAL Fower CHECK LIST** SalesOrderNo: 5514-10 nnovations Order Date 5/3/2010 0001 Salesman No. Customer No. 0000051 2855 Highway 261 Newburgh, IN 47630 812-853-0595 Sold To: Ship To: Trillium Development, Inc. Trillium Development, Inc. 7958 County Rd 2 7958 County Rd 2 MN 56367 56367 Rice Rice MN USA USA Email Address: Confirm To: Site Name: Jeffers, MN Barb Houdek F.O.B. Customer P.O. Ship VIA Phone No. 10623Jeffer DEDICATED TRUCK FACTORY (320) 240-9086 Section / Qty Ordered Piece Mark Item No. Description FOUNDATIONS AB175X079F ANCHOR BOLT 1-3/4" X 79" W/5 NUTS AND 1 LOCK 18 F-1554-105 GALV. SP06-1750-1200 SECURING PLATE DETAIL, 1/4" PLATE, (6) 1-13/16" 3 HOLES FOR 1-3/4" BOLT ON A 12" BOLT CIRCLE BP06-1750-1200 BEARING PLATE DETAIL 16" DIA. X 1/2" THICK, (6) 3 1-7/8" HOLES FOR 1-3/4" BOLTS ON A 12" BOLT CIRCLE KIT, TEMPLATE ANGLE, 38' TO 30', INCLUDES KTA380-300-12 1 HARDWARE TO ATTACH SECURING PLATES & ADJOINING HARDWARE, FOR 3 FACES BT075X200G BOLT 3/4" X 2" GALV, A-325 42 NU075G NUT 3/4" GALV, A563 DH HVY HEX NUT 42 STD TEMPLATE ANGLE,11' TO 3' C-C FACE, 1' TA110-030-12 12 SPACING, 2" X 2" X 1/4" WL075G SPLIT LOCKWASHER 3/4" GALV 42



### REBAR CHART (1)-CAISSON

REBAR	REBAR SIZE	REBAR LENGTHS	REBAR DIA.	pcs. OF REBAR	TOTAL FT.
VERTS	#9 GRADE 60	30'	N/A	28	840'
TIES	#4 GRADE 60	N/A	48" ø	35	440'

### REBAR CHART (3)-CAISSONS

	· · /				
REBAR	REBAR SIZE	REBAR LENGTHS	REBAR DIA.	pcs. OF REBAR	TOTAL FT.
VERTS	#9 GRADE 60	30'	N/A	84	2520'
TIES	#4 GRADE 60	N/A	48" ø	105	1320'

APPROXIMATE CONCRETE REQ'D PER CAISSON =  $22 \text{ YD}^3$ TOTAL CONCRETE =  $66 \text{ YD}^3$ 

#### NOTES:

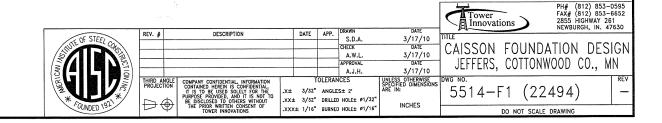
Chad E. Tuttle

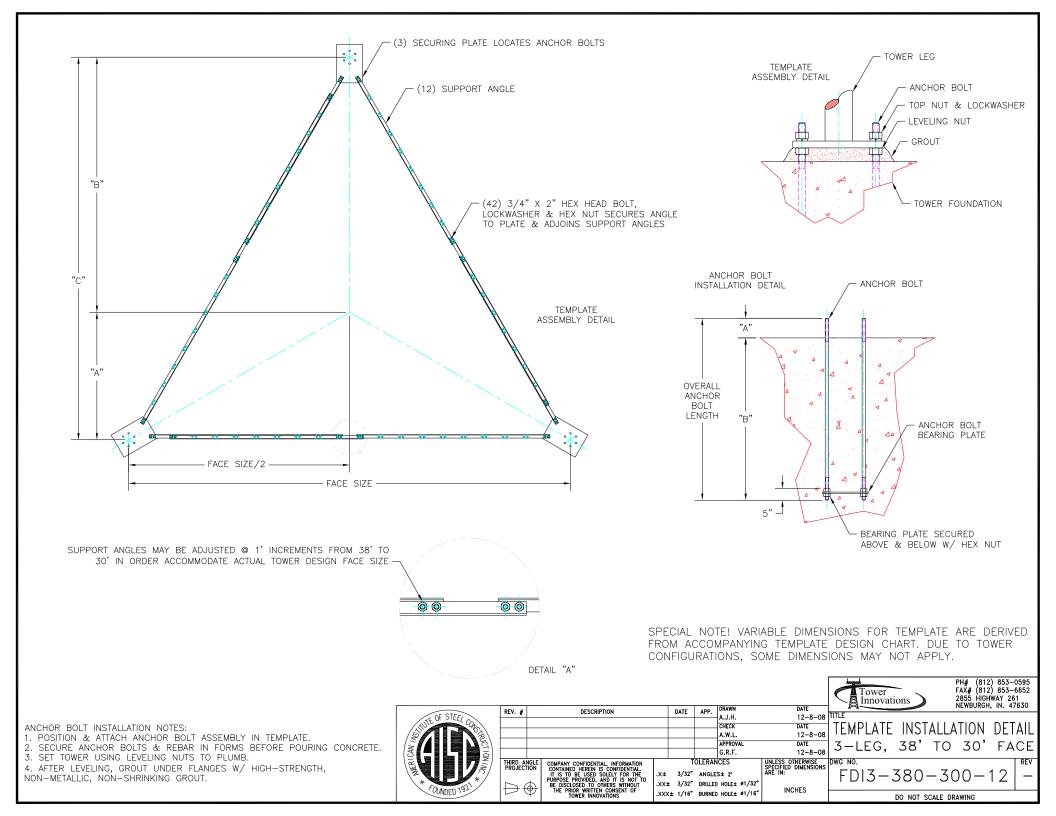
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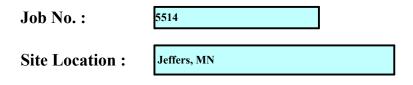
- 1) ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF ACI 301 AND ACI318.
- 2) THIS FOUNDATION IS DESIGNED TO CONFORM ACI 318-02 AND EIA/TIA-222-F STANDARDS UTILIZING THE SOILS REPORT PREPARED BY BRAUN INTERTEC CORPORATION PROJ. NO. SP-08-01385B. A COPY SHALL BE PROVIDED TO THE FOUNDATION CONTRACTOR. SOIL CONDITIONS THAT DIFFER FROM THOSE DESCRIBED IN THE REPORT SHALL BE BROUGHT TO THE ATTENTION OF THE RESIDENT ENGINEER/INSPECTOR. ALL COMMENTS OR RECOMMENDATIONS REGARDING CONSTRUCTION TESTING OR CONSTRUCTION MONITORING SHALL BE STRICTLY FOLLOWED.
- 3) ALL CONCRETE SHALL BE 4000 PSI AT 28 DAYS. CYLINDERS SHALL BE PROPERLY CAST WITH COPIES OF THE TEST REPORTS GOING TO THE RESIDENT ENGINEER/INSPECTOR.
- 4) ALL ADMIXTURES MUST BE ADDED SEPARATELY INTO FRESH CONCRETE AND SUFFICIENTLY MIXED. A NON-CORROSIVE CONCRETE SET ACCELERATE MAY BE UTILIZED IN COMPLIANCE WITH ASTM 494 TYPE C. A WATER REDUCING ADMIXTURE MAY BE UTILIZED IN COMPLIANCE WITH ASTM 494 TYPE A.
- 5) ALL BACKFILL SHALL BE PLACED IN 9 INCH LIFTS AND COMPACTED TO A MINIMUM OF 95 PERCENT OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY AS MEASURED BY ASTM D-698 UNLESS MORE STRINGENT COMPACTION IS REQUIRED BY THE SOIL REPORT.
- 6) MINIMUM CONCRETE COVER SHALL BE 3 INCHES UNLESS OTHERWISE NOTED.
- 7) CROWN TOP OF PIER FOR DRAINAGE AND CHAMFER ALL EXPOSED CONCRETE EDGES 1 INCH.
- 8) SEE TEMPLATE DRAWING & TEMPLATE DESIGN CHART FOR TOWER LAYOUT DIMENSIONS, USE OF TEMPLATE IS REQUIRED TO INSURE PROPER LOCATION AND ORIENTATION OF ANCHOR BOLTS.
- GROUNDWATER MAY BE ENCOUNTERED.

- 1) STAGGER ALL SPLICES.
- 2) SPLICE CHART IS BASED ON 4000 PSI CONCRETE AND CLASS B SPLICE.
- 3) SPLICE REBAR ONLY WHEN NECESSARY.





# **TEMPLATE DESIGN**



## **Base Size (In Feet) :**

33.000

<b>Bearing Plate Information</b>					
Outer Dia. # Holes Bolt Drill Bolt Circle # Req'd					
16	6	1.875	12	3	

### **Anchor Bolt Information**

Material Type	Bolt Diameter	LGTH. (in)	# Req'd	"A" (In.)	Embed. Depth "B" (In.)
F1554-105	1.75	79	18	10.5	68.5

\*\* ANGLES SUPPLIED ARE FOR APPROXIMATE BOLT LOCATION ONLY.

\*\* PLEASE CHECK THE DISTANCE FROM OUTER MOST BOLT HOLES (BOLTS FARTHEST FROM THE TOWER CENTER).

Outer Bolt Distance Should Be =

33 feet - 10.39 inches

### **Securing Plate Information**

# Holes	Bolt Drill	<b>Bolt Circle</b>	# Req'd
6	1.8125	12	3

<b>Template Assembly</b>						
Face Size "A" (ft) "B" (ft) "C" (ft)						
33	9.526	19.053	28.579			

