

**BIDDER'S PROPOSAL
OFFICIAL NOTICE #2-2016
FOR REPLACEMENT OF RADIO COMMUNICATION TOWER,
800 CENTER ST., RACINE, WI**

DATE & TIME FOR RECEIVING **SEALED BIDS:
January 27, 2016 at 10:00 A.M.**

PLACE: Purchasing Department
City Hall, Room 105
730 Washington Avenue
Racine, Wisconsin 53403

We propose to remove and dispose of the current tower and furnish and install the specified replacement tower at 800 Center St., Racine, WI, (to include all materials, except as specified to be furnished by others, ready for use, all in accordance with advertisement, plans, specifications, and contract, all as attached hereto, and all of which we have examined), for the sum shown below.

Lump Sum Bid: To remove and dispose of the current tower and furnish and install the specified replacement tower at 800 Center St., Racine, WI

Dollars \$ _____

We guarantee to complete this work within ____ days of receipt of City purchase order.

If there are any exceptions, please list:

SIGNED BY: _____

Printed Name: _____

Company: _____

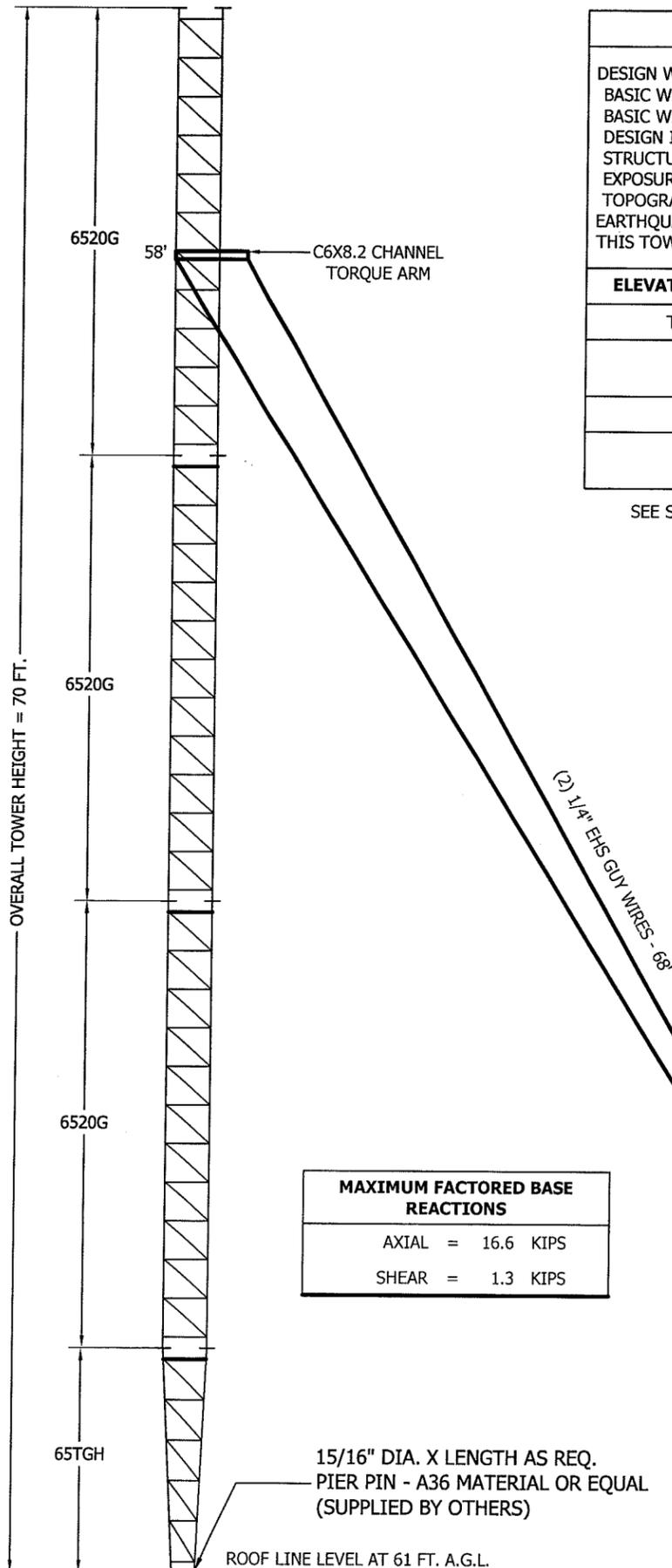
Address: _____

Phone: _____

Date: _____

RADIO COMMUNICATION TOWER REPLACEMENT SPECIFICATIONS.
(CITY HALL ANNEX - 800 CENTER STREET, RACINE, WI 53403)

1. Remove and dispose of existing rooftop mounted guyed Rohn model 45-G tower.
 - Note: tower is mounted on the roof of a four story building.
 - Remove and retain all antennas for reinstallation on new tower.
 - Old Heliac antenna cables shall be coiled up and stored on-site.
2. Provide and install new 70 ft. Rohn model 65G guyed tower per supplied engineering drawings.
 - Vendor to provide all new tower components, guy cables, brackets, side arms, pipes, grounding materials, and miscellaneous hardware.
 - Any supplied hardware, brackets, etc. must be galvanized or stainless steel materials.
3. Fabricate pin mount base plate and anchor equalizer plates per provided engineering drawings.
 - Fabricated pin base and anchor plates must be assembled with rust-resistant materials. (Hot dipped galvanized or stainless steel are acceptable)
4. Pin base plate to be welded-in-place to existing steel plate on mounting pier per provided engineering drawing.
5. New guy cables will attach to existing anchors on the building roof, with equalizer plates as per supplied drawing. Install safety wire through turnbuckles and equalizer plates.
6. Tower ground (minimum #2 AWG tinned copper) to be exothermically welded to the pin base plate / building steel.
7. Provide and install two 6ft. side arms for lower antennas.
 - Side arms are to be commercially constructed galvanized assemblies appropriate for, or approved by the tower manufacturer. Each side arm must be able to hold a 2 - 3/8 inch O.D. mast pipe and have a minimum wind load capacity to support a type DB224 antenna in a 90 mph wind.
8. Reinstall three communication antennas removed from old tower.
 - Provide new Commscope LDF5-50A or AVA-50FX 7/8" Heliac antenna feed-lines with appropriate jumpers, connectors and grounding kits.
 - All lines are to be grounded at the antenna termination point on the tower and at the point where they leave the tower. (vendor to provide and install tower ground bus if required)
9. Reinstall existing microwave and WIFI antennas on the new tower at the same approximate locations.
10. Install one new MIS access point data antenna on tower. City of Racine to provide antenna and all materials/cable for new antenna.
11. All lines are to be secured to the tower with jacketed wire ties or stainless steel clamps. Plastic tie straps are not acceptable.
12. All new antenna lines and data cables will leave the tower and enter the building via bundled cable suspension method.
 - Vendor to replace existing suspension components between building and tower with new materials, cable and hardware.
13. Antenna lines are to be terminated within the building at existing locations with new type 'N' connectors.
 - Vendor will provide and replace three Polyphaser surge protection devices and reconnect to the inside ground bus bar.
 - All lines are to be clearly marked and documented.
14. All antenna connectors, outside feedline connections and building penetration cable entry are to be sealed weather tight.
 - City of Racine will be responsible for resealing / re-flashing the tower pier.
15. Vendor is responsible for installation plan and securing any necessary building / crane permits that may be required.



TOWER DESIGN LOADING		
DESIGN WIND LOAD PER ANSI/TIA-222-G USING THE FOLLOWING DESIGN CRITERIA: BASIC WIND SPEED (NO ICE): 120 MPH ULTIMATE WIND SPEED PER ASCE 7-10 BASIC WIND SPEED (W/ ICE): 40 MPH DESIGN ICE THICKNESS: 0.75 IN. STRUCTURE CLASS: III EXPOSURE CATEGORY: B TOPOGRAPHIC CATEGORY: 1 EARTHQUAKE SPECTRAL RESPONSE ACCELERATION, S _s : 0.15 THIS TOWER IS DESIGNED TO SUPPORT THE FOLLOWING LOADS:		
ELEVATION (FT)	ANTENNA TYPE	LINE SIZE (NOM)
TOP	(1) DB224 ANTENNA LEG MTD.	(1) 7/8"
36	(1) DB224 ANTENNA ON (1) 6 FT. SIDEARM	(1) 7/8"
15	(1) PTP58230 ANTENNA LEG MTD.	(1) CAT5
10	(1) TAD-1003 ANTENNA ON (1) 6 FT. SIDEARM	(1) 7/8"

SEE STRESS ANALYSIS FOR A COMPLETE LISTING OF ALL LOADS ON TOWER.

MAXIMUM FACTORED BASE REACTIONS	
AXIAL	= 16.6 KIPS
SHEAR	= 1.3 KIPS

MAXIMUM FACTORED GUY ANCHOR REACTIONS	
HORIZONTAL	= 1.9 KIPS
VERTICAL	= 3.2 KIPS

GUY WIRE DATA			
ELEVATION (FT)	SIZE (IN)	TYPE	ULTIMATE STRENGTH (LBS)
58.0	1/4	EHS	6,650

SECTION MAIN MEMBER SCHEDULE			
SECTION	LEG	DIAGONAL	HORIZONTALS
6520G	PIPE 1.900x0.145	SR 0 5/8 (11)	SR 0 5/8 (11)
6520G	PIPE 1.900x0.145	SR 0 5/8 (11)	SR 0 5/8 (11)
6520G	PIPE 1.900x0.145	SR 0 5/8 (11)	SR 0 5/8 (11)
65TGH	PIPE 1.900x0.200	SR 0 5/8 (6)	SR 0 5/8 (6)

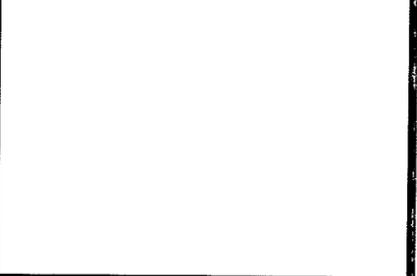
NOTE: SECTION NUMBERS ARE FOR REFERENCE ONLY. FOR NOMINAL FACE WIDTH DIMENSIONS, REFER TO THE STRESS ANALYSIS. THE NUMBERS SHOWN IN PARENTHESES INDICATE THE NUMBER OF BAYS FROM TOP TO BOTTOM.

GENERAL NOTES

- ROHN PRODUCTS, LLC TOWER DESIGNS CONFORM TO ANSI/TIA-222-G UNLESS OTHERWISE SPECIFIED UNDER TOWER DESIGN LOADING.
- THE DESIGN LOADING CRITERIA INDICATED HAS BEEN PROVIDED TO ROHN. THE DESIGN LOADING CRITERIA HAS BEEN ASSUMED TO BE BASED ON SITE-SPECIFIC DATA IN ACCORDANCE WITH ANSI/TIA-222-G AND MUST BE VERIFIED BY OTHERS PRIOR TO INSTALLATION.
- ANTENNAS AND LINES LISTED IN TOWER DESIGN LOADING TABLE ARE PROVIDED BY OTHERS UNLESS OTHERWISE SPECIFIED.
- TOWER MEMBER DESIGN DOES NOT INCLUDE STRESSES DUE TO ERECTION SINCE ERECTION EQUIPMENT AND CONDITIONS ARE UNKNOWN. DESIGN ASSUMES COMPETENT AND QUALIFIED PERSONNEL WILL ERECT THE TOWER.
- WORK SHALL BE IN ACCORDANCE WITH ANSI/TIA-222-G, "STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND ANTENNA SUPPORTING STRUCTURES".
- THE MINIMUM YIELD STRENGTH OF STRUCTURAL STEEL MEMBERS SHALL BE 50 KSI, EXCEPT AS NOTED BELOW:
 STRUCTURAL PLATES SHALL BE 36 KSI.
 CHANNELS FOR TORQUE ARMS SHALL BE 36 KSI.
- FIELD CONNECTIONS SHALL BE BOLTED. NO FIELD WELDS SHALL BE ALLOWED.
- STRUCTURAL BOLTS SHALL CONFORM TO ASTM A325, EXCEPT WHERE NOTED.
- PAL NUTS ARE PROVIDED FOR ALL TOWER BOLTS.
- STRUCTURAL STEEL AND CONNECTION BOLTS SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ANSI/TIA-222-G.
- ALL HIGH STRENGTH BOLTS ARE TO BE TIGHTENED TO A "SNUGTIGHT CONDITION" AS DEFINED IN THE JUNE 23, 2000, AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS". NO OTHER MINIMUM BOLT TENSION OR TORQUE VALUES ARE REQUIRED.
- PURCHASER SHALL VERIFY THE INSTALLATION IS IN CONFORMANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS FOR OBSTRUCTION MARKING AND LIGHTING.
- TOLERANCE ON TOWER STEEL HEIGHT IS EQUAL TO PLUS 1% OR MINUS 1/2%.
- DESIGN ASSUMES THAT, AS A MINIMUM, MAINTENANCE AND INSPECTION WILL BE PERFORMED OVER THE LIFE OF THE STRUCTURE IN ACCORDANCE WITH ANSI/TIA-222-G.
- DESIGN ASSUMES LEVEL ROOF AT TOWER SITE.
- INITIAL TENSION OF GUY WIRES SHALL BE 10% OF THEIR ULTIMATE STRENGTHS.
- IT SHALL BE THE RESPONSIBILITY OF THE ERECTOR TO TEMPORARILY GUY THE STRUCTURE WHEN REQUIRED DURING ERECTION TO MAINTAIN THE STABILITY OF THE STRUCTURE AND TO PREVENT OVERLOADING ANY MEMBER OF THE STRUCTURE.
- TOWER BASE AND GUY CONNECTIONS, DESIGNED AND SUPPLIED BY OTHERS MUST BE ADEQUATE TO SUPPORT THE REACTIONS SHOWN. GUY WIRE ROOF CONNECTIONS MUST BE COMPATIBLE WITH GUY HARDWARE PROVIDED.
- ROHN IS NOT RESPONSIBLE FOR THE STRUCTURAL INTEGRITY OF THE BUILDING MEMBERS OR THE CONNECTION OF THE TOWER BASE TO THE BUILDING. BUILDING MEMBER STRENGTH AND TOWER CONNECTIONS TO BE VERIFIED BY OTHERS AND MUST BE ADEQUATE TO SUPPORT THE REACTIONS SHOWN.
- TOWER DESIGN USES 35 FT. EQUAL GUY RADII WITH 120 DEGREES ANCHOR POINT SEPARATION.

FILE NO.	214579			
REVISIONS				
REV.	DESCRIPTION	DWN	CHK	APP
2	REVISED DESIGN TO 35 FT. GUY RADIUS AND PINNED BASE.	DWG	HA	HA
DATE: 10/19/15				

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PO BOX 5999
 PEORIA, IL 61601-5999
 TOLL FREE 800-727-ROHN

WAVE COMMUNICATIONS, INC.
 70 FT. ROOF MOUNTED
 MODEL 65G GUYED TOWER
 RACINE CITY HALL, WI

DWN:	DWG	CHK'D:	HA	DATE:	06/19/15
ENG'R:	HA	SHEET #:			
PRJ. ENG'R:	DWG	PRJ. MANG'R:			
DRAWING NO:					REV:
214579-01-D1					2

R2

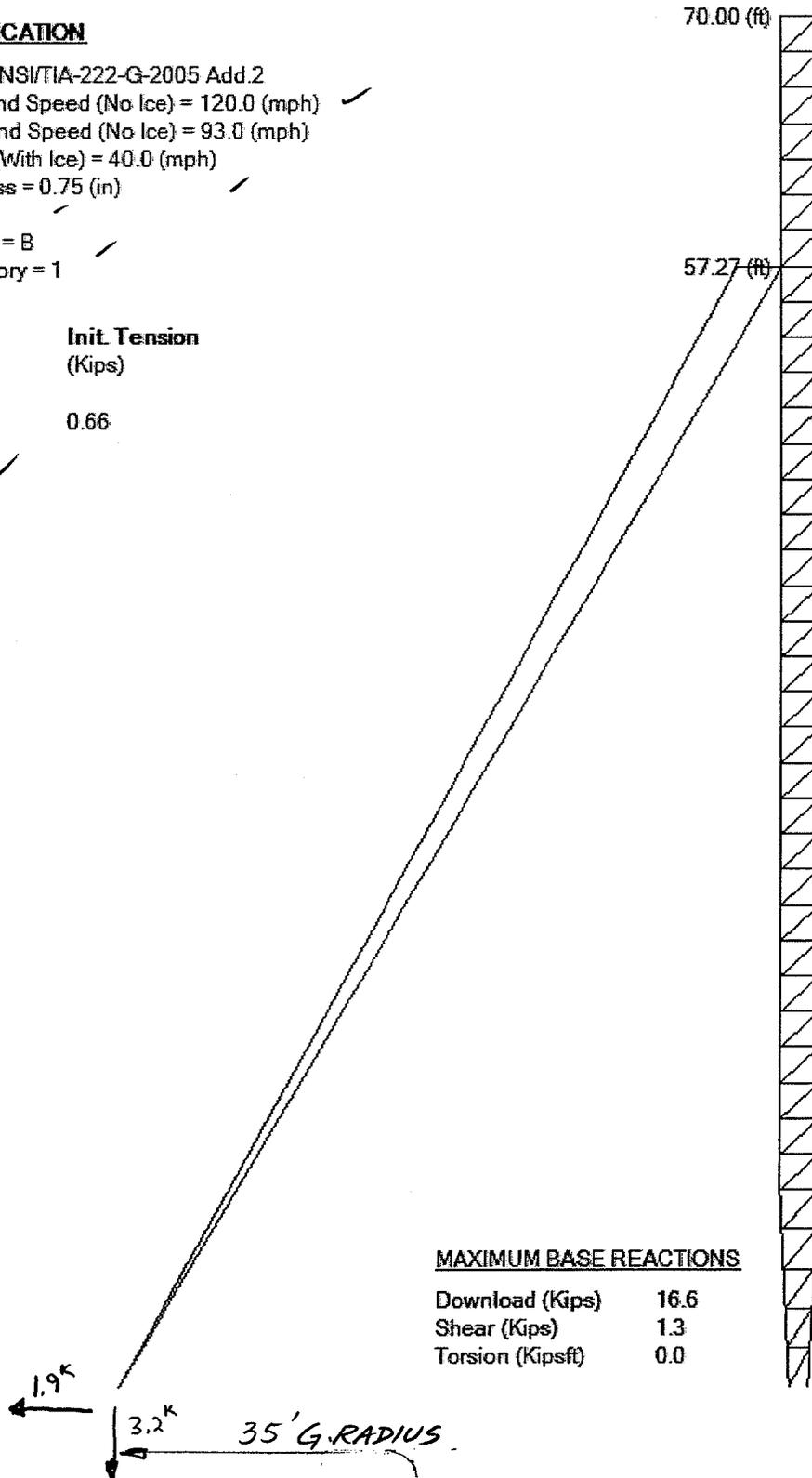
File: C:\Users\dgall\Documents\temp0.out
Contract: 214579
Project: 70 FT. 65G GUYED TOWER ✓
Date and Time: 10/19/2015 9:49:42 AM ✓

Revision: 2
Site: RACINE CITY HALL, WI
Engineer: DWG

DESIGN SPECIFICATION

Design Standard: ANSI/TIA-222-G-2005 Add.2
Ultimate Design Wind Speed (No Ice) = 120.0 (mph) ✓
Nominal Design Wind Speed (No Ice) = 93.0 (mph)
Basic Wind Speed (With Ice) = 40.0 (mph)
Design Ice Thickness = 0.75 (in) ✓
Structure Class = III ✓
Exposure Category = B ✓
Topographic Category = 1 ✓

Elev. (ft)	Guy Size	Init. Tension (Kips)
57.27	6-EH 1/4 ✓	0.66



MAXIMUM BASE REACTIONS

Download (Kips)	16.6
Shear (Kips)	1.3
Torsion (Kipsft)	0.0

PINNED BASE

TOWER CONNECTION TO ROOF BY OTHERS

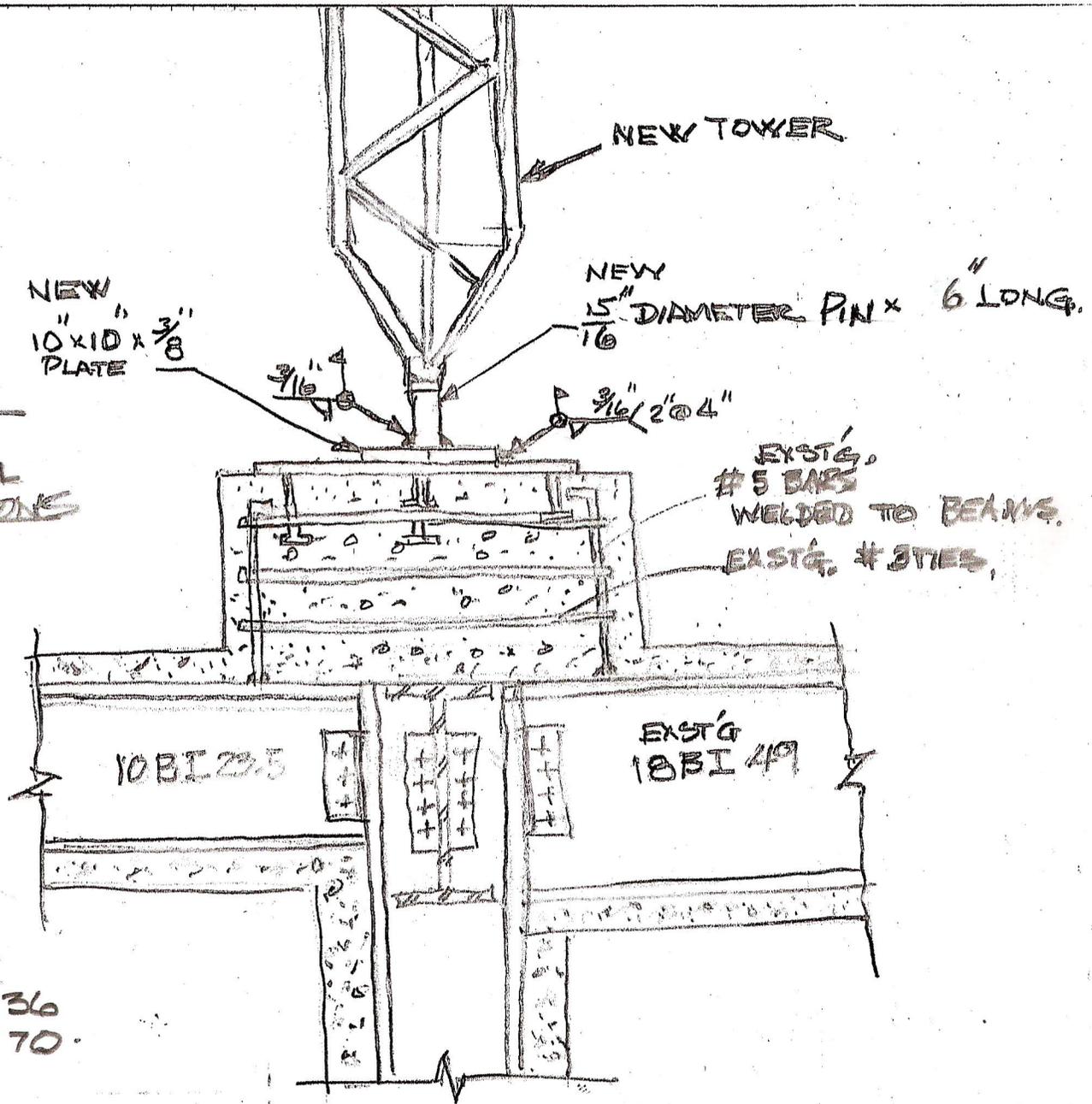
PAGE NO. 1
 DATE 11/2/15
 DATE

JOB NO. -
 DESIGNED R.C.S.
 CHECKED -

R.C. SCHEIDT & ASSOCIATES
 4706 Harrison Road • Kenosha, WI 53142

RACINE CITY HALL ANNEX
 BLDG. - TOWER
 PEDESTAL MODIFICATIONS

EXIST'G
TOWER
PEDESTAL
MODIFICATIONS



NOTE:
 STEEL - A-36
 WELDS - E70.

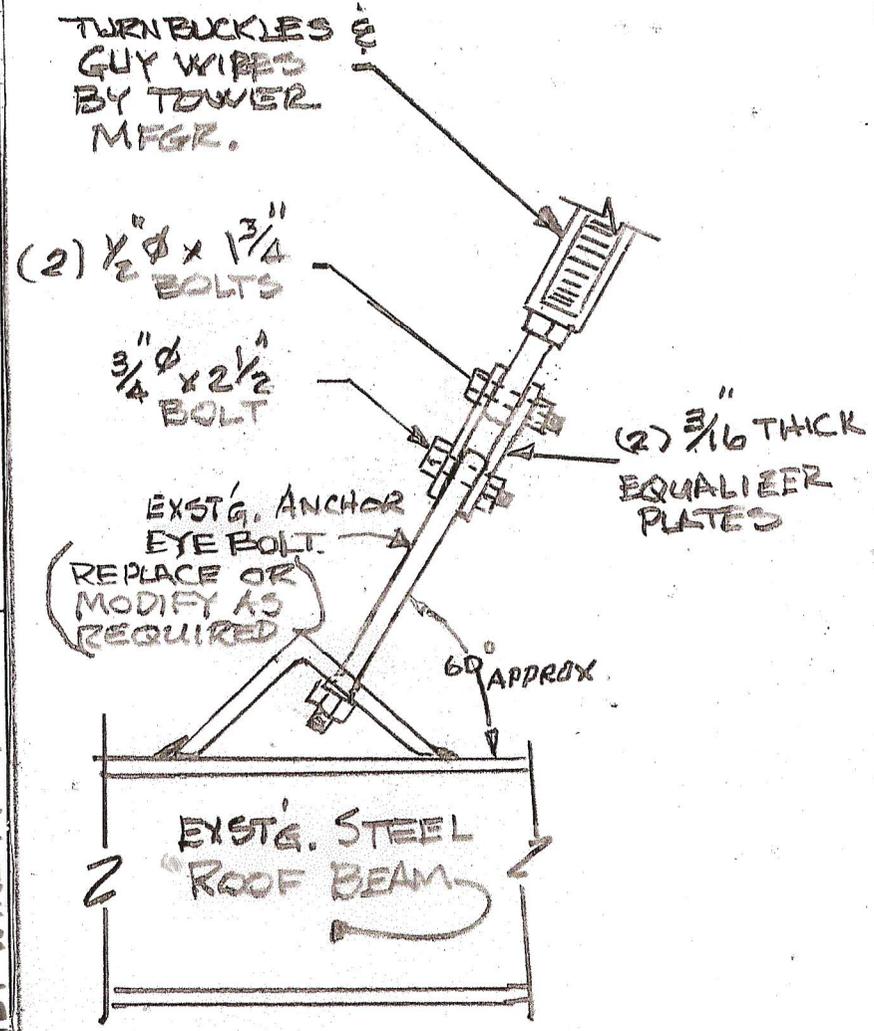
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JOB NO.
 DESIGNED RLS
 CHECKED

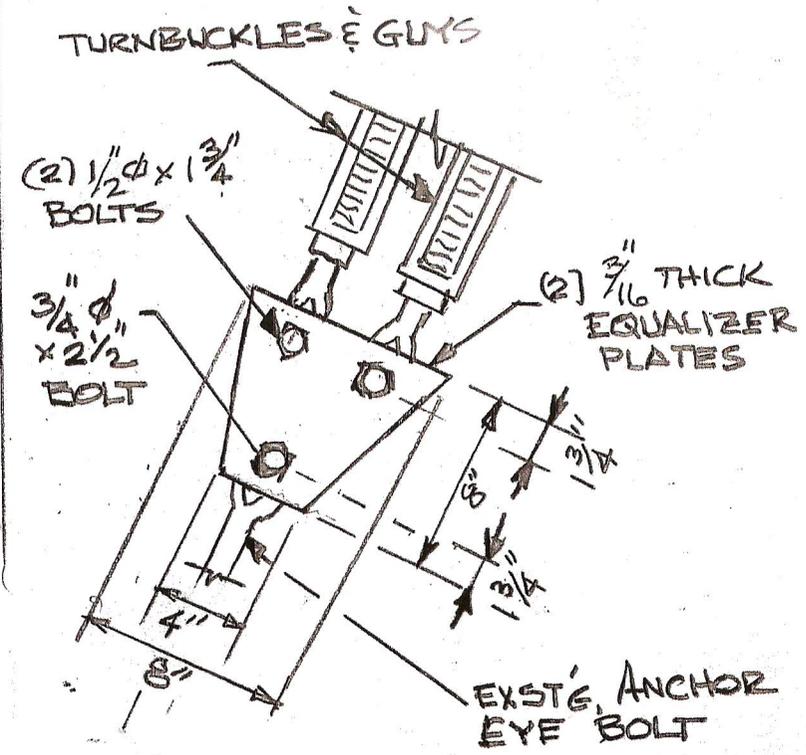
R.C. SCHEND & ASSOCIATES
 4706 Harrison Road • Kenosha, WI 53142

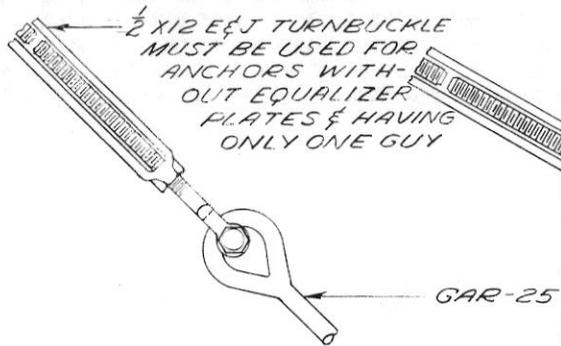
RACINE CITY HALL
 ANNEX TOWER
 GUY WIRE ANCHORS

SIDE VIEW

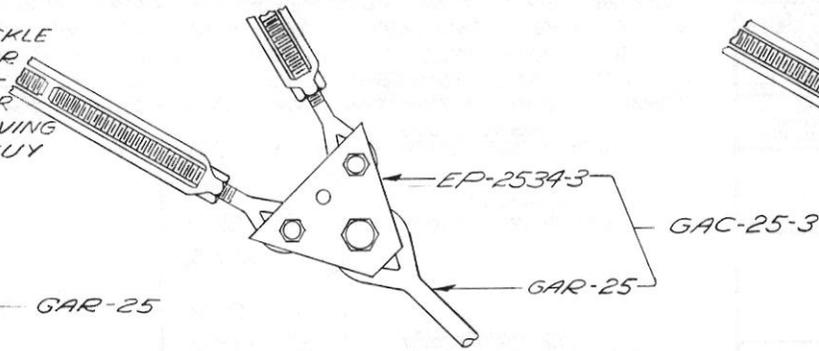


TOP VIEW

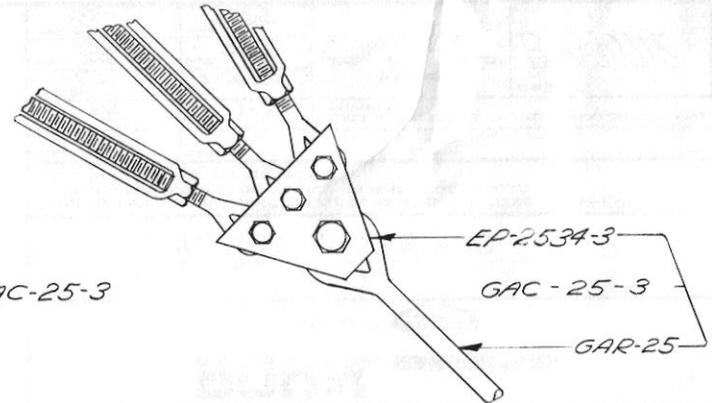




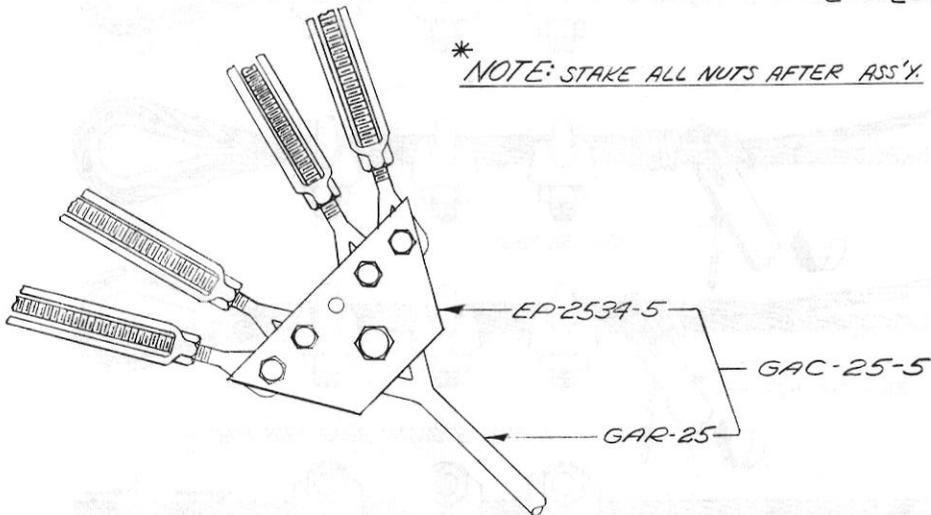
NO EQUALIZER PLATE
REQUIRED FOR ONE GUY



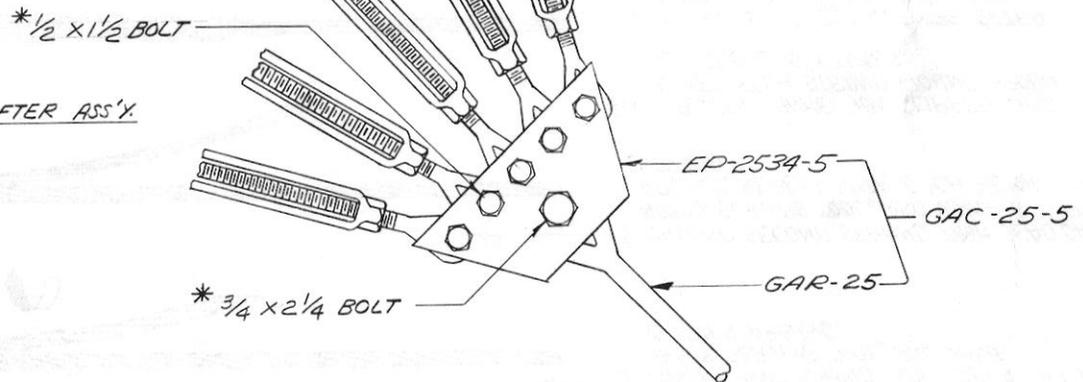
TWO WIRE
ATTACHMENT



THREE WIRE
ATTACHMENT



FOUR WIRE
ATTACHMENT

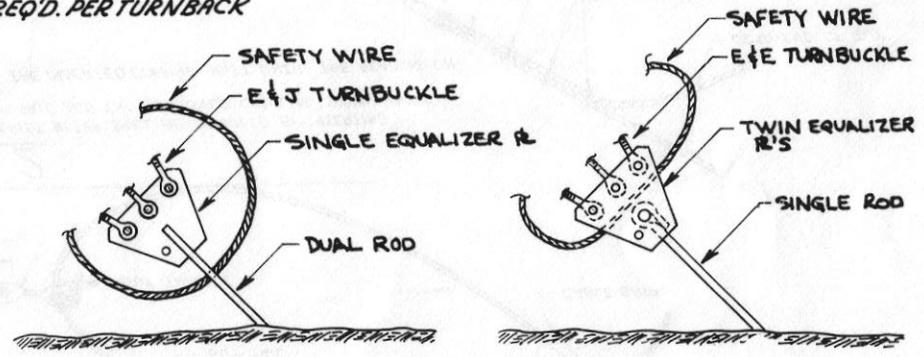
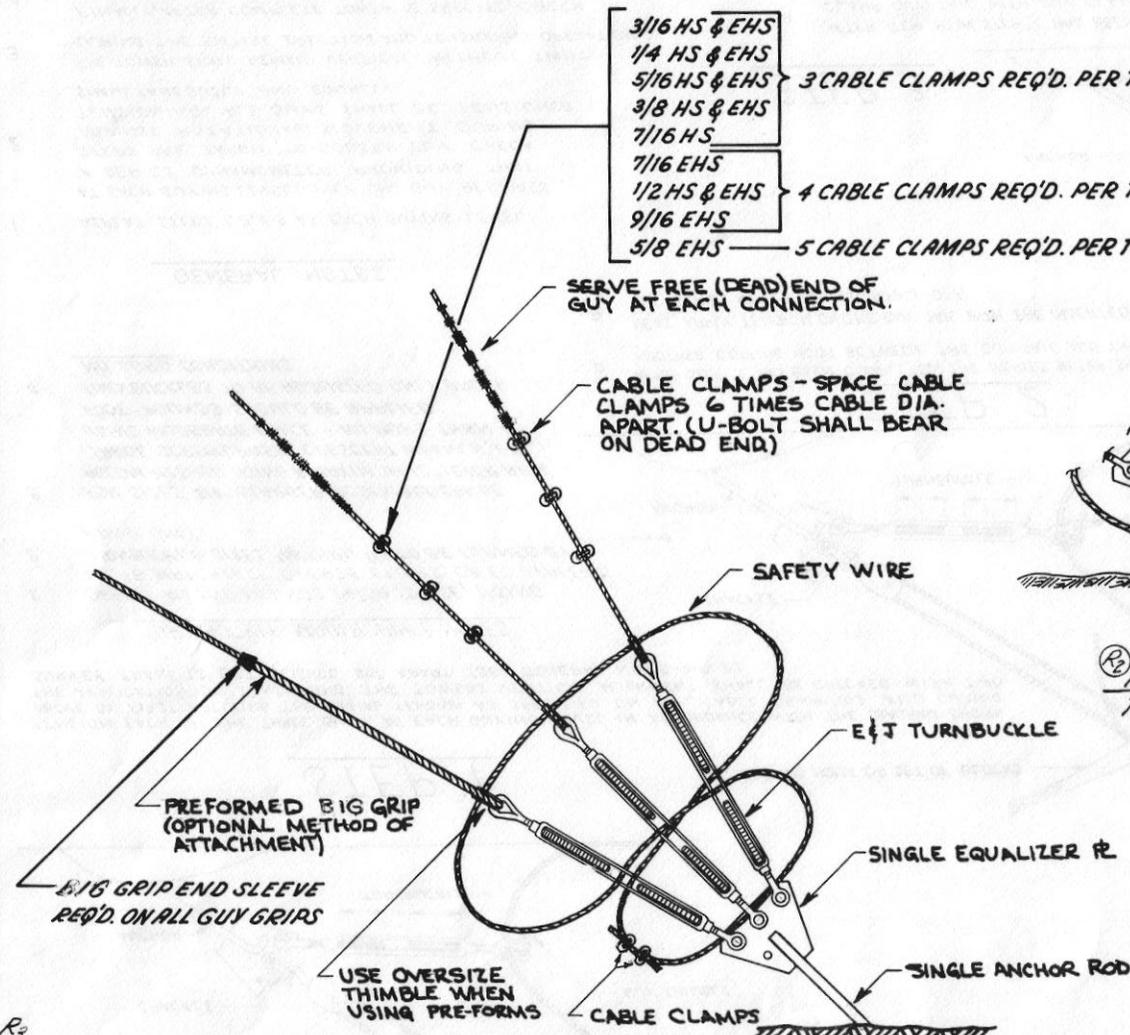


FIVE WIRE
ATTACHMENT

* NOTE: STAKE ALL NUTS AFTER ASS'Y.

R2 ADD BOLT SIZES 9-14-76 WPK
R1 - 7-28-64 - GH.

DRAWN O. HASCHKE		TITLE
CHECKED RAK		ANCHOR ATTACHMENT
APPROVED ck		GAR-25
		GAC-25-3
		GAC-25-5
DATE 6-6-64	ROHN PEORIA, ILLINOIS	DRAWING NO.
SCALE NONE		B-640525-R ₂



NOTE: SEE DWG. NO. C-611211-R2 FOR CABLE TENSIONING & TURNBUCKLE MAINTENANCE DETAILS.

R ₃	ADDED NOTE	7-6-76	OH
R ₂	ADDED NOTE	7-25-75	OH
R ₁	ADDED CABLE CLAMPS REQ'D PER GUY SIZE	12-18-74	OH
NO.	DESCRIPTION	DATE	BY

REVISIONS

ROHN

TITLE
TURNBUCKLE SAFETY METHODS

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FILE NO.

SCALE NONE	MATERIAL	FINISH	WT.
DWN BY A. JOHNSON	DATE 3-16-68	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE GIVEN IN INCHES	
CK'D BY OH	DATE 4-4-68	TOLERANCES DEC. FRAC. ANGLES	DWG. NO. B-680324
APP'D BR	DATE	± ± ±	R₃

R₃ NOTE: DUE TO VARIABLES INVOLVED IN ROOF AND OTHER INSTALLATIONS, IT SHALL BE THE CUSTOMER'S OR INSTALLER'S RESPONSIBILITY TO PROVIDE STRUCTURALLY ADEQUATE SUPPORTS FOR PIER & ANCHOR CONNECTIONS. IT MAY ALSO BE NECESSARY FOR THE CUSTOMER OR INSTALLER TO SECURE THE SERVICE OF A LOCAL ENGINEER TO DETERMINE THAT INSTALLATION COMPLIES WITH LOCAL BUILDING CODES.

INSTRUCTION TO BIDDERS

The specifications shall be held to include the Advertisement, Instructions to Bidders, Manufacturer's Qualifications, General Conditions, Proposal, Contract and Specifications.

All bids shall be made out as directed in the specifications and shall be on the Standard Proposal form furnished by the City of Racine. Any bid not on this form will not be accepted. Failure to comply with these requirements may result in rejection of bidder's proposal. **Bids will be placed in a sealed envelope and marked with the words "OFFICIAL NOTICE #2-2016" Please return this entire bid package with your bid.**

Bids are to be State and Federal Tax Exempt. A tax exemption certificate will be furnished to the successful bidder. No bid may be withdrawn after the time for opening bids.

Payment for the work will be in cash upon completion and acceptance of the work unless otherwise specified. If monthly payments are made, they will be made as set forth in the contract.

The City of Racine reserves the right to reject any or all bids or to accept any bid considered most advantageous to the City. It also reserves the right to waive any informality in bids received whenever such waiver is in the best interest of the City of Racine.

The accompanying bid includes the furnishing of all materials, labor and equipment required by the attached specifications, which I have carefully examined, and I hereby certify that the statements made herein are true and correct.

The undersigned represents that the prices in the accompanying bid are neither directly or indirectly the result of an agreement with any other bidder.

COMPANY: _____

ADDRESS: _____

CITY, STATE: _____

SIGNATURE: _____

PRINTED NAME: _____

BIDDER'S CERTIFICATION

I hereby certify that all statements herein are made in behalf of:

Name of Corporation, Partnership or Person submitting bid

a corporation organized and existing under the laws of the State of:

a partnership consisting of: _____

an individual trading as: _____

of the City of _____ State of _____

that I have examined and carefully prepared this proposal from the plans and specifications and have checked the same in detail before submitting this proposal; that I have full authority to make such statements and submit this proposal in its (their) behalf, and that said statements are true and correct

SIGNATURE: _____

TITLE: _____

Sworn and subscribed to before me

this _____ day of _____ 20____.

(Notary or other officer authorized to administer oaths)

SEAL:

My commission expires _____

Indemnification

To the fullest extent allowable by law, Contractor hereby indemnifies and shall defend and hold harmless the City of Racine, its elected and appointed officials, officers, employees or authorized representatives or volunteers and each of them from and against any and all suits, actions, legal or administrative proceedings, claims, demands, damages, liabilities, interest, attorneys' fees, costs, and expenses of whatsoever kind or nature whether arising before, during, or after completion of the work hereunder and in any manner directly or indirectly caused, occasioned, or contributed to in whole or in part or claimed to be caused, occasioned, or contributed to in whole or in part, by reason of any act, omission, fault, or negligence, whether active or passive, of Contractor or of anyone acting under its direction or control or on its behalf in connection with or incident to the performance of this Agreement regardless if liability without fault is sought to be imposed on the City of Racine, Contractor's aforesaid indemnity and hold harmless agreement shall not be applicable to any liability caused by the sole fault, sole negligence, or willful misconduct of the City of Racine, or its elected and appointed officials, officers, employees or authorized representatives or volunteers. This indemnity provision shall survive the termination or expiration of this Agreement.

In any and all claims against the City of Racine, its elected and appointed officials, officers, employees or authorized representatives or volunteers by an employee of Contractor, any subcontractor, or anyone for whose acts any of them may be liable, the indemnification obligation under this paragraph shall not be limited in any way by any limitation on the amount or type of damages, compensation, or benefits payable by or for the Contractor or any subcontractor under Worker's Compensation Acts, Disability Benefit Acts, or other employee benefit acts.

No provision of this Indemnification clause shall give rise to any duties not otherwise provided for by this Agreement or by operation of law. No provision of this Indemnity clause shall be construed to negate, abridge, or otherwise reduce any other right or obligation of indemnity that would otherwise exist as to the City of Racine, its elected and appointed officials, officers, employees or authorized representatives or volunteers under this or any other contract. This clause is to be read in conjunction with all other indemnity provisions contained in this Agreement. Any conflict or ambiguity arising between any indemnity provisions in this Agreement shall be construed in favor of indemnified parties except when such interpretation would violate the laws of the state in which the job site is located. Contractor shall reimburse the City of Racine, its elected and appointed officials, officers, employees or authorized representatives or volunteers for any and all legal expenses and costs incurred by each of them in connection therewith or in enforcing the indemnity herein provided. Contractor's obligation to indemnify shall not be restricted to insurance proceeds, if any, received by the City of Racine, its elected and appointed officials, officers, employees or authorized representatives or volunteers.

Insurance Requirements

The Contractor shall not commence work under a contract until he has obtained all insurance required under this paragraph and has filed certificates thereof with the Owner, nor shall the Contractor allow a Subcontractor to commence work until all similar insurance required

has been so obtained and filed with the Contractor. Unless otherwise specified in this Agreement, the Contractor shall, at its sole expense, maintain in effect at all times during the performance of the Work, insurance coverage with limits not less than those set forth below with insurers and under forms of policies set forth below.

Worker's Compensation and Employers Liability Insurance - The Contractor shall cover or insure under the applicable labor laws relating to worker's compensation insurance, all of their employees in accordance with the law in the State of Wisconsin. The Contractor shall provide statutory coverage for work related injuries and employer's liability insurance with limits of \$1,000,000 each accident, \$1,000,000 disease policy limit, and \$1,000,000 disease each employee.

Commercial General liability and Automobile Liability Insurance - The Contractor shall provide and maintain the following commercial general liability and automobile liability insurance:

Coverage – Coverage for commercial general liability and automobile liability insurance shall be at least as broad as the following:

1. Insurance Services Office (ISO) Commercial General Liability Coverage (Occurrence Form CG0001)
2. Insurance Services Office (ISO) Business Auto Coverage (Form CA0001), covering Symbol 1 (any vehicle)

Limits -The Contractor shall maintain limits no less than the following:

1. General Liability - One million dollars (\$1,000,000) per occurrence (\$2,000,000 general aggregate if applicable) for bodily injury, personal injury and property damage. If Commercial General Liability Insurance or other form with a general aggregate limit is used, either the general aggregate limit shall apply separately to the project/location (with the ISO CG 2503, or ISO CG 2504, or insurer's equivalent endorsement provided to the City of Racine) or the general aggregate including product-completed operations aggregate limit shall be twice the required occurrence limit.
2. Automobile Liability- One million dollars (\$1,000,000)for bodily injury and property damage per occurrence limit covering all vehicles to be used in relationship to the Agreement.
3. Umbrella Liability- Five Million dollars (\$5,000,000) for bodily injury, personal injury and property damage per occurrence in excess of coverage carried for Employers' Liability, Commercial General Liability and Automobile Liability as described above.

Required Provisions - The general liability and automobile liability policies are to contain, or be endorsed to contain, the following provisions:

1. The City of Racine, its elected and appointed officials, officers, employees or authorized representatives or volunteers are to be given additional insured status as respects liability arising out of activities performed by or on behalf of the Contractor; on products and completed operations of the Contractor; for premises occupied or used by the Contractor; and on any vehicles owned, leased, hired or borrowed by the Contractor.
2. The coverage shall contain no special limitations on the scope of protection afforded to the City of Racine, its elected and appointed officials, officers, employees or authorized representatives or volunteers.
3. For any claims related to this project, the Contractor's insurance shall be primary insurance as respects the City of Racine, its elected and appointed officials, officers, employees or authorized representatives or volunteers. Any insurance, self-insurance, or other coverage maintained by the City of Racine, its elected and appointed officials, officers, employees, or authorized representatives or volunteers shall not contribute to it.
4. Any failure to comply with reporting or other provisions of the policies including breaches of warranties shall not affect coverage provided to the City of Racine, its elected and appointed officials, officers, employees or authorized representatives or volunteers.
5. The Contractor's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.
6. Each insurance policy required by this agreement shall state, or be endorsed to state, that coverage shall not be canceled by the insurance carrier or the Contractor, except after sixty (60) days (or 10 days for non-payment of premium) prior written notice by U.S. mail has been given to the City of Racine.
7. Such liability insurance shall indemnify the City of Racine, its elected and appointed officials, officers, employees or authorized representatives or volunteers against loss from liability imposed by law upon, or assumed under contract by, the Contractor for damages on account of such bodily injury (including death), property damage, personal injury, completed operations, and products liability.

8. The general liability policy shall cover bodily injury and property damage liability, owned and non-owned equipment, blanket contractual liability, completed operations liability with a minimum of a 24 month policy extension, explosion, collapse, underground excavation, and removal of lateral support, and shall not contain an exclusion for what is commonly referred to by the insurers as the "XCU" hazards. The automobile liability policy shall cover all owned, non-owned, and hired vehicles. All of the insurance shall be provided on policy forms and through companies satisfactory to the City of Racine, and shall have a minimum A.M. Best's rating of A-VII.

Deductibles and Self-Insured Retentions - Any deductible or self-insured retention must be declared to and approved by the City of Racine. At the option of the City of Racine, the insurer shall either reduce or eliminate such deductibles or self-insured retentions.

Evidences of Insurance - Prior to execution of the agreement, the Contractor shall file with the City of Racine a certificate of insurance (Acord Form 25-S or equivalent) signed by the insurer's representative evidencing the coverage required by this agreement. Such evidence shall include an additional insured endorsement signed by the insurer's representative. Such evidence shall also include confirmation that coverage includes or has been modified to include all required provisions 1-8.

Responsibility for Work - Until the completion and final acceptance by the City of Racine of all the work under and implied by this agreement, the work shall be under the Contractor's responsibility care and control. The Contractor shall rebuild, repair, restore and make good all injuries, damages, re-erectments, and repairs occasioned or rendered necessary by causes of any nature whatsoever.

Sub-Contractors - In the event that the Contractor employs other contractors (subcontractors) as part of the work covered by this agreement, it shall be the Contractor's responsibility to require and confirm that each sub-contractor meets the minimum insurance requirements specified above.

Builder's Risk/Installation Floater - The City of Racine will not assume responsibility for loss, including loss of use, for damage to property, materials, tools, equipment, and items of a similar nature that are being either used in the work being performed by the contractor or are to be installed or erected by the contractor. If coverage is desired for this exposure, the Contractor may, at his/her/its own cost, procure insurance to cover same.

Safety & Security

The Contractor shall execute and maintain its work so as to avoid injury or damage to any person or property. The Contractor shall comply with the requirements of the specifications relating to safety measures applicable in particular operations or kinds of work.

In carrying out its work, the Contractor shall at all times exercise all necessary precautions for the safety of employees appropriate to the nature of the work and the conditions under which the work is to be performed, and be in compliance with all applicable federal, state, and local statutory and regulatory requirements including Wisconsin Labor Code; and the U.S. Department of Transportation Omnibus Transportation Employee Testing Act. Safety precautions, as applicable, shall include but not be limited to: adequate life protection and lifesaving equipment; adequate illumination; instructions in accident prevention for all employees, such as the use of machinery guards, safe walkways, scaffolds, ladders, bridges, gang planks, confined space procedures, trenching and shoring, fall protection, and other safety devices; equipment and wearing apparel as are necessary or lawfully required to prevent accidents, injuries, or illnesses; and adequate facilities for the proper inspection and maintenance of safety measures.

The Contractor shall be responsible for the safeguarding of all utilities. At least two working days before beginning work, the Contractor shall call the "Diggers Hotline" Service in order to determine the location of substructures. The Contractor shall immediately notify the City of Racine and the utility owner if he/she/it disturbs, disconnects, or damages any utility.

In accordance with Wisconsin Labor regulations, the Contractor shall submit to the City of Racine specific plans to show details of provisions for worker protection from caving ground during excavations of trenches of five feet or more in depth. The excavation/trench safety plan shall be submitted to and accepted by the City of Racine prior to starting excavation. The trench safety plan shall have details showing the design of shoring, bracing, sloping or other provisions to be made for worker protection from the hazard of caving ground. If such a plan varies from the shoring system standards established by the State of Wisconsin, a Wisconsin registered civil or structural engineer shall prepare the plan. As part of the plan, a note shall be included stating that the registered civil or structural engineer certifies that the plan complies with the applicable construction codes in Wisconsin or that the registered civil or structural engineer certifies that the plan is not less effective than the shoring, bracing, sloping, or other provisions of the existing law or regulations. In no event shall the Contractor use a shoring, sloping, or protective system less effective than that required by the State. Submission of this plan is in no way relieves the Contractor of the requirement to maintain safety in all areas. If excavation or trench work requiring a permit be undertaken, the Contractor shall submit his/her/its permit with the excavation/trench work safety plan to the City of Racine before work begins. The names and telephone numbers of at least two medical doctors practicing in the vicinity and the telephone number of the local ambulance service shall be prominently displayed adjacent to telephones.

For Use in Construction Contracts through the City of Racine Purchasing Office Effective 11/12