



Boone County Purchasing
613 E. Ash Street, Room 110
Columbia, Mo 65201

REQUEST FOR BID (RFB)

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Bid Data

Bid Number: **77-10DEC15**
Commodity Title: **Radio Tower Erection for Battle School Project**

DIRECT ANY BID FORMAT OR SUBMISSION QUESTIONS TO PURCHASING DEPT.

Bid Submission Address and Deadline

Day/Date: Thursday, December 10, 2015
Time: 1:00 p.m. (Bids received after this time will be returned unopened)
Location/Mail Address: Boone County Purchasing Department
Boone County Annex Building
613 E. Ash, Room 110
Columbia, Mo 65201
Directions: Annex Building is located at corner of 7th & Ash St.

Bid Opening

Day/Date: Thursday, December 10, 2015
Time: 1:30 p.m., Central Time
Location/Address: Boone County Government Center
Commission Chambers
801 E. Walnut Street
Columbia, MO 65201

Bid Contents

1.0: Introduction and General Conditions of Bidding
2.0: Primary Specifications
3.0: Response Presentation and Review
4.0: Response Form
Attachments: Statement of Bidder's Qualifications
Standard Terms and Conditions
Instructions for House Bill 1549
Work Authorization Certification
Individual Bidder Affidavits
Debarment Form
Anti-Collusion Statement

Bid Contents, continued

Signature & Identify of Bidder
Bidder's Acknowledgement
Annual Wage Order #22, dated 10/20/15
Affidavit of Compliance with OSHA
Affidavit of Compliance with Prevailing Wage Law
"No Bid" Response Form

1. Introduction and General Conditions of Bidding

1.1. INVITATION – The County of Boone, through its Purchasing Department, invites responses, which offer to provide the goods and/or services identified on the title page, and described in greater detail in Section 2.

1.2. DEFINITIONS

County – This term refers to the County of Boone, a duly organized public entity. It may also be used as a pronoun for various subsets of the County organization, including, as the context will indicate:

Purchasing – The Purchasing Department, including its Purchasing Director and staff.

Department/s or Office/s – The County Department/s or Office/s for which this Bid is prepared, and which will be the end user/s of the goods and/or services sought.

Designee – The County employee/s assigned as your primary contact/s for interaction regarding Contract performance.

Bidder / Contractor / Supplier – These terms refer generally to businesses having some sort of relations to or with us. The term may apply differently to different classes of entities, as the context will indicate.

Bidder – Any business entity submitting a response to this Bid. Suppliers, which may be invited to respond, or which express interest in this bid, but which do not submit a response, have no obligations with respect to the bid requirements.

Contractor – The Bidder whose response to this bid is found by Purchasing to meet the best interests of the County. The Contractor will be selected for award, and will enter into a Contract for provision of the goods and/or services described in the Bid.

Supplier – All business/entities which may provide the subject goods and/or services.

Bid – This entire document, including attachments. A Bid may be used to solicit various kinds of information. The kind of information this Bid seeks is indicated by the title appearing at the top of the first page. A “Request for Bid” is used when the need is well defined. A “Request for Proposal” is used when the County will consider solutions, which may vary significantly from each other or from the County’s initial expectations.

Response – The written, sealed document submitted according to the Bid instructions.

1.3. BID CLARIFICATION – Questions regarding this Bid should be directed in writing, preferably by e-mail, to the Purchasing Department. Answers, citing the question asked but not identifying the questioner, will be distributed simultaneously to all known prospective Bidders. Note: written requirements in the Bid or its Addenda are binding, but any oral communications between County and Bidder are not.

1.4. Bidder Responsibility – The Bidder is expected to be thoroughly familiar with all specifications and requirements of this Bid. Bidder’s failure or omission to examine any relevant form, article, site or document will not relieve them from any obligation regarding this Bid. By submitting a Response, Bidder is presumed to concur with all terms, conditions and specifications of this Bid.

1.5. Bid Addendum – If it becomes evident that this Bid must be amended, the Purchasing Department will issue a formal written Addendum to all known prospective Bidders. If necessary, a new due date will be established.

1.6. AWARD – Award will be made to the Bidder/s whose offer/s provide the greatest value to the County from the standpoint of suitability to purpose, quality, service, previous experience, price, lifecycle cost, ability to deliver, or for any other reason deemed by Purchasing to be in the best interest of the County. Thus, the result will not be determined by price alone. The County will be seeking the least costly outcome that meets the County needs as interpreted by the County.

1.7. CONTRACT EXECUTION – This Bid and the Contractor’s Response will be made part of any resultant Contract and will be incorporated in the Contract as set forth, verbatim.

Precedence – In the event of contradictions or conflicts between the provisions of the documents comprising this Contract, they will be resolved by giving precedence in the following order:

- 1) the provisions of the Contract (as it may be amended);
- 2) the provisions of the Bid;
- 3) the provisions of the Bidder's Response.

1.8. COMPLIANCE WITH STANDARD TERMS AND CONDITIONS – Bidder agrees to be bound by the County's standard "boilerplate" terms and conditions for Contracts, a sample of which is attached to this Bid.

2. Primary Specifications

ITEMS TO BE PROVIDED

1.00 GENERAL

1.01 Vendor to provide all materials, machinery, equipment and services to completely assemble and erect a monopole radio tower in accordance with these specifications, manufacturer approved drawings and practices, and all applicable EIA specifications.

1.02 Vendor shall work with County's representative and Sabre Industries to coordinate delivery of monopole tower. Vendor shall be responsible to contract and pay for crane to unload, stow, and erect tower steel at site.

1.03 County will secure necessary FAA, FCC and local zoning clearances and authority.

1.04 Vendor will be responsible for obtaining all required work permits.

1.05 Vendor personnel must satisfy background checking as required by Columbia Public Schools. Vendor shall complete background application forms and receive approval from CPS prior to start of work.

1.06 There is no electrical service at the site. Vendor must furnish generator power if needed for tower erection.

1.07 All parts, materials, supplies and services will meet the minimum construction and erection standards recommended by Sabre Industries, the tower manufacturer.

1.08 Vendor shall utilize tower materials furnished by Sabre Industries, the tower manufacturer. Any other materials, fastenings, hardware or supplies proposed for use on the project shall receive approval by County's representative prior to installation.

1.09 On a daily basis, Vendor shall leave the site clear of construction debris, excess material or unused supplies or equipment including cans, crates, boxes, plastic bags, bolt cartons or any rubbish resulting from the work. Following completion of erection work, Vendor will transport all surplus and excess materials and supplies provided by tower manufacturer to County's storage area.

1.10 Vendor will have free access to the tower site. County will provide list of project contact people for Vendor's use.

1.11 After completion, tower will be jointly inspected by the Vendor and County's representative. Any required corrections shall be made immediately.

1.12 Detailed installation diagrams and documents shall be provided by County to Vendor. Following completion of the tower erection, all documents shall be returned to County.

1.13 Tower shall be designed and fabricated so that erection may be accomplished using tensioning hoists and bolts for slip sections. Any bolt-on section tensioning brackets necessary for manufacturer-

recommended assembly shall be furnished with tower. Erection shall be accomplished using bolts and provided hardware with no field welding, cutting, or drilling required or allowed.

1.14 Any damage to the galvanizing will be touched up with Z.R.C. Cold Galvanizing Compound or approved equivalent.

1.15 Vendor shall be limited to work occurring between 7:00AM and 7:00PM local time.

1.16 The site is presently operating with a temporary ground-mounted antenna. An equipment shelter is in place and an engine-generator and its LP fuel tank serve the compound. Vendor shall ensure that his work will not interfere with ongoing site operations or cause any damage to site components or site equipment.

2.00 TOWER COMPONENTS

2.01 Refer to attached design and erection drawings of the details of the tower.

2.02 The tower is a nominal 170' monopole. Assembly will include (at least) the following major attachments:

- Top-mounted nominal 12' face platform with handrails and antenna pipes
- Side mounted antenna bracket at nominal 100' level
- Side mounted antenna bracket at nominal 75' level
- Side mounted antenna brackets (three) at nominal 20' level

2.03 Safety-climb device will be mounted centered on the tower between climbing pegs.

3.00 ATTACHMENTS

3.01 All attachments shall be considered a part of this specification.

3.02 Attachments include:

- Electronic copy of detailed erection drawings as furnished by tower manufacturer.
- General site layout

4.00 SUBMITTALS

4.01 In addition to required bid documents, Vendor will also submit the following:

- Proposed general approach to project work.
- Demonstrated qualifications to complete the project including references for similar towers.

5.00 Debarment and Suspension: By submission of its Bid Response, Vendor agrees to comply with the provisions of Executive Order 12549, regarding Debarment and Suspension. Specifically, the Vendor certifies that neither he/she nor their principals are 1.) presently debarred, suspended, proposed for debarment, declared ineligible or voluntary excluded from covered transactions by a Federal department or agency, 2) have not with a three year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain or performing a public transaction or contract under a public transaction;

violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements or receiving stolen property; 3.) are not presently indicted for or otherwise criminal or civilly charged by a government entity with commission of any of the offenses stated above and 4.) have not within a three year period preceding this bid had one or more public transactions terminated for cause or default.

6.00 Certification of Non-Resident/Foreign Contractors: If the Contractor is a foreign corporation or nonresident Contractor, it is agreed that the Contractor shall procure and maintain during the life of this contract:

- A. A certificate of authority to transact business in the State of Missouri from the Secretary of State, unless exempt pursuant to the provisions of Section 351.572 RSMo.
- B. A certificate from the Missouri Director of Revenue evidencing compliance with transient employer financial assurance law, unless exempt pursuant to the provisions of Section 285.230 RSMo.

7.00 Insurance Requirements - The Contractor shall not commence work under this contract until they have obtained all insurance required under this paragraph and the Certificate of Insurance has been approved by the County, nor shall the Contractor allow any subcontractor to commence work on their subcontract until all similar insurance required of subcontractor has been so obtained and approved. All policies shall be in amounts, form and companies satisfactory to the County which must carry an A-6 or better rating as listed in the A.M. Best or equivalent rating guide. Insurance limits indicated below may be lowered at the discretion of the County.

- A. Employers Liability and Workers Compensation Insurance** - The Contractor shall take out and maintain during the life of this contract, **Employers Liability and Workers Compensation Insurance** for all of its employees employed at the site of work, and in case any work is sublet, the Contractor shall require the subcontractor similarly to provide Workers Compensation Insurance for all of the latter's employees unless such employees are covered by the protection afforded by the Contractor. Workers Compensation coverage shall meet Missouri statutory limits. Employers Liability limits shall be \$500,000.00 each employee, \$500,000.00 each accident, and \$500,000.00 policy limit. In case any class of employees engaged in hazardous work under this Contract at the site of the work is not protected under the Workers Compensation Statute, the Contractor shall provide and shall cause each subcontractor to provide Employers Liability Insurance for the protection of their employees not otherwise protected.
- B. Commercial General Liability Insurance** - The Contractor shall take out and maintain during the life of this contract, such commercial general liability insurance as shall protect it and any subcontractor performing work covered by this contract, from claims for damages for personal injury including accidental death, as well as from claims for property damages, which may arise from operations under this contract, whether such operations be by themselves or for any subcontractor or by anyone directly or indirectly employed by them. The amounts of insurance shall be not less than \$3,000,000.00 combined single limit for any one occurrence covering both bodily injury and property damage, including accidental death. If the Contract involves any underground/digging operations, the general liability certificate shall include X, C, and U (Explosion, Collapse, and Underground) coverage. If providing Commercial General Liability Insurance, then the Proof of Coverage of Insurance shall also be included.
- C.** Contractor may satisfy the minimum liability limits required for Commercial General Liability or Business Auto Liability under an Umbrella or Excess Liability policy. There is no minimum per occurrence limit of liability under the umbrella or Excess Liability; however, the Annual Aggregate limit shall not be less than the highest "Each Occurrence" limit for either Commercial

General Liability or Business Auto Liability. Contractor agrees to endorse the County as an Additional Insured on the umbrella or Excess Liability, unless the Certificate of Insurance state the Umbrella or Excess Liability provides coverage on a "Follow-Form" basis.

- D. Business Automobile Liability** – The Contractor shall maintain during the life of this contract, automobile liability insurance in the amount of not less than \$3,000,000.00 combined single limit for any one occurrence, covering both bodily injury, including accidental death, and property damage, to protect themselves from any and all claims arising from the use of the Contractor's own automobiles, teams and trucks; hired automobiles, teams and trucks; non-owned and both on and off the site of work.
- E. Subcontractors:** Contractor shall cause each Subcontractor to purchase and maintain insurance of the types and amounts specified herein. Limits of such coverage may be reduced only upon written agreement of County. Contractor shall provide to County copies of certificates of insurance evidencing coverage for each Subcontractor. Subcontractors' commercial general liability and business automobile liability insurance shall name County as Additional Insured and have the Waiver of Subrogation endorsements added.
- F. Proof of Carriage of Insurance** - The Contractor shall furnish the County with Certificate(s) of Insurance which name the County as additional insured in an amount as required in this contract, contain a description of the project or work to be performed and provided for Commercial General Liability, Business Auto Liability, and Umbrella or Excess Liability (not on Workers Compensation). The Certificate of Insurance shall provide that there will be no cancellation, non-renewal or reduction of coverage without 30 days prior written notice to the Owner. In addition, such insurance shall be on an occurrence basis and shall remain in effect until such time as the County has made final acceptance of the services provided.
- G. INDEMNITY AGREEMENT:** To the fullest extent permitted by law, Contractor shall indemnify, hold harmless and defend the County, its directors, officers, agents, and employees from and against all claims, damages, losses and expenses (including but not limited to attorney's fees) arising by reason of any act or failure to act, negligent or otherwise, of Contractor, of any subcontractor (meaning anyone, including but not limited to consultants having a contract with contractor or a subcontract for part of the services), of anyone directly or indirectly employed by contractor or by any subcontractor, or of anyone for whose acts the contractor or its subcontractor may be liable, in connection with providing these services. This provision does not, however, require contractor to indemnify, hold harmless, or defend the County of Boone from its own negligence.
- H.** Failure to maintain the required insurance in force may be cause for contract termination. In the event the Agency/Service fails to maintain and keep in force the required insurance or to obtain coverage from its subcontractors, the County shall have the right to cancel and terminate the contract without notice.

8.00 Sales/Use Tax Exemption: County will provide the Contractor with a completed Missouri Project Exemption and Missouri Tax Exemption letter for Boone County, Missouri and the Contractor shall be responsible for furnishing the exemption certificate and tax exemption letter to all authorized sub-contractors and suppliers providing materials incorporated in the work. All invoices issued for purchases for such materials, supplies and taxable rentals shall be in the name of Boone County and contain the project number assigned by Boone County for the contract awarded. It shall be the responsibility of the Contractor to insure that no sales or use taxes are included in the invoices and that the County pays no sales/use taxes from which it is exempt. The Contractor shall be responsible for obtaining revised

exemption certificates and revised expiration dates if the work extends beyond the estimated project completion date or a certificate expiration date. The Contractor shall also be responsible for retaining a copy of the project exemption certificate for a period of five years and for compliance with all other terms and conditions of section 144.062 RSMo. Not otherwise herein specified. The Contractor agrees not to use or permit others to use the project exemption certificate for taxable purchases of materials or rentals and supplies not directly incorporated into or used in the work to which it applies and agrees to indemnify and hold the County harmless from all losses, expenses and costs including litigation expenses and attorney fees resulting from the unauthorized use of such project exemption certificates.

9.00 Warranty & Guarantee - Contractor warrants and guarantees to Owner that all work will be in accordance with the Contract Documents and will not be defective. All materials provided by the Contractor shall be new material of high quality which shall give long life and reliable operation. The workmanship shall be of high quality in every detail. Prompt notice of all defects shall be given to Contractor. All defective work, whether or not in place, may be rejected, corrected, or accepted as follows:

Correction or Removal of Defective Work- If required by Owner, Contractor shall promptly, as directed, either correct all defective Work, whether or not fabricated, installed or completed, or if the Work has been rejected by County Department Designee, remove it from the site and replace it with non-defective Work. Contractor shall bear all direct, indirect, and consequential costs of such correction or removal (including but not limited to fees and charges of engineers, architects, attorneys, and other professionals made necessary thereby).

One Year Correction Period- If within one year after the date of Substantial Completion or such longer period of time as may be prescribed by Laws or Regulations or by the terms of any applicable special guarantee required by the Contract Documents or by any specific provision of the Contract Documents, any Work is found to be defective, Contractor shall promptly, without cost to Owner and in accordance with Owner's written instructions, either correct such defective Work, or if it has been rejected by Owner, remove it from the site and replace it with non-defective Work. If Contractor does not promptly comply with the terms of such instructions or in an emergency where delay would cause serious risk of loss or damage, Owner may have the defective Work removed and replaced and all direct, indirect, and consequential costs of removal and replacement (including but not limited to fees and charges of engineers, architects, attorneys, and other professionals) will be paid by the Contractor. In special circumstances where a particular item of equipment is placed in continuous service before Substantial Completion of all the Work, the correction period for that item may start to run from an earlier date if so provided in the Specifications or by Written Amendment.

10.00 Prevailing Wage: Contractor agrees that it will pay not less than the prevailing hourly rate of wages to all workmen performing work under the Contract in accordance with the prevailing wage determination issued by the Division of Labor Standards of the Department of Labor and Industrial Relations for the State of Missouri and as maintained on file with the Boone County Purchasing Department. The Contractor shall comply with all requirements of the prevailing wage law of Missouri, Revised Statutes of Missouri, Sections 290.210 to 290.340, including the latest amendments thereto. The prevailing wage law does not prohibit payment of more than the prevailing rate of wages nor does it limit the hours of work which may be performed by any worker in any particular period of time. The Contractor further agrees that it shall forfeit as a penalty to the County of Boone the sum of \$100.00 for each workman employed for each calendar day or portion thereof such workman is paid less than the stipulated rates set forth in the prevailing wage determination for the project for any work done under this contract by the Contractor pursuant to the provisions of Section 290.250 RSMo. The Contractor further agrees that he will abide by all provisions of the prevailing wage law as set forth in Chapter 290 RSMo and rules and regulations issued thereunder and that any penalties assessed may be withheld from sums due to the Contractor by the Owner.

The Contractor and all Subcontractors shall be required to submit to the designated representative of the County using department, certified copies of labor payrolls and statements of compliance (Form WH-347) for each week that work is in progress. If work is temporarily suspended, the last payroll shall be marked appropriately to note that it will be the last payroll until work is resumed.

Contractor shall be responsible for the submittal of payrolls and certifications for all subcontractors. Contractor shall keep an accurate record showing the names, occupations, and crafts of all workers employed, together with the number of hours worked by each worker and the actual wages paid to each worker. At all reasonable hours, such records shall be open to inspection by the representatives of Industrial Commission of Missouri and the County. The payroll records shall not be destroyed or removed from the State for at least one year after completion of the work.

The County will check payrolls, with the following checks being made to insure proper labor compliance:

- a. The employee's full name as shown on his/her social security card, his address and Employee I.D. number shall be entered on each payroll.
- b. Check the payroll for correct employee classification.
- c. Check payroll for correct hourly wage and, if applicable, correct overtime hourly rate.
- d. Check the daily and weekly hours worked in each classification including actual overtime hours worked (not adjusted hours).
- e. All deductions are shown in the net wage shown. The Form WH-437 is to be used if fringe benefits are paid into established programs. However, if fringe benefits are paid in cash to the employee, the amount shall be indicated on the payroll.
- f. All checking by the County will be made in red pencil and initialed by the checker.
- g. Final payroll will be marked "Final" or "last Payroll".
- h. A record of all payrolls will be maintained by the County.

Throughout the life of the Contract, a copy of the wage determination and the rules promulgated by the Industrial Commission of Missouri shall be displayed in at least one conspicuous place on the project under a heading NOTICE with the heading in letters at least one inch high.

After completion of the work and before final payment can be made under this contract, the Contractor must file with the County an affidavit stating that they have fully complied with the provisions and requirements of the prevailing wage law of Missouri, Sections 290.210 to 290.340 RSMo. The prevailing wage rate determination made by the Industrial Commission of Missouri is reproduced verbatim and is applicable to this contract whenever Boone County provides to Contractor a project which is determined to be applicable to prevailing wage law

11.00 EXTRA AND/OR ADDITIONAL WORK AND CHANGES: If any extra and/or additional work is to be done or any change in the plans and specifications is deemed necessary, the County may issue to the Contractor a written change order directing that such extra and/or additional work be done or that such change be made, and the Contract shall be modified accordingly. Compensation to the Contractor will be calculated as an addition to or deduction from the Contract price, based upon such written terms as may be established by the owner, either (a) by an acceptable lump sum proposal of the Contractor, (b) on a cost-plus limited basis not to exceed a specified limit, or (c) on basis of bid or mutually agreed upon unit prices. In the event that none of the foregoing methods are agreed upon with the Contractor, the County may perform the work with its own forces or under separate contract with another contractor.

12.00 DISCHARGE OF EMPLOYEES: Any employee of the Contractor who is stationed at the site of the work and should prove to be quarrelsome, dishonest, incompetent or inexperienced, or should not work for the good of the job shall, upon written notice from the County, be removed by the Contractor and replaced by an employee with proper qualifications.

13.00 SUBCONTRACTORS, SUPPLIERS AND OTHERS- Contractor shall not employ any Subcontractor, Supplier, or other person or organization (including those acceptable to Owner as indicated below), whether initially or as a substitute, against whom Owner may have reasonable objection. Contractor shall not be required to employ any Subcontractor, Supplier, or other person or organization to furnish or perform any of the Work against whom the Contractor has a reasonable objection.

If the Owner requires identity of certain Subcontractors, Suppliers, or other persons or organizations (including those who are to furnish the principal items of material and equipment) to be submitted to Owner in advance of the specified date prior to the Effective Date of the Agreement for acceptance by Owner and if Contractor has submitted a list thereof in accordance with the project Specifications, Owner's acceptance (either in writing or by failing to make written objection thereto by the date indicated for acceptance or objection in the bidding documents or the Contract Documents) of any such Subcontractor, Supplier, or other person or organization so identified may be revoked on the basis of reasonable objection after due investigation, in which case Contractor shall submit an acceptable substitute, the Contract Price will be increased by the difference in the cost occasioned by such substitution and an appropriate Change Order will be issued or Written Amendment signed. No acceptance by Owner of any such Subcontractor, Supplier, or other person or organization shall constitute a waiver of any right of Owner to reject defective Work.

14.00 ACCIDENT PREVENTION: Precaution shall be exercised at all times for the protection of persons (including employees) and property. The safety provisions of applicable laws, building and construction codes shall be observed. Machinery, equipment, and all hazards shall be guarded or eliminated in accordance with the safety provisions of the Manual of Accident Prevention in Construction, 8th Edition, 1999, published by the Associated General Contractors of America, to the extent that such provisions are not in contravention of applicable laws. Current standards of the Occupational Safety and Health Act shall be applied, as well as the requirements contained within the current MUTCD.

15.00 LEGAL REQUIREMENTS: The Contractor shall do all work in such manner as to comply with all County ordinances, and laws of the County, State, and Nation as apply to the work herein outlined. The Contractor shall also obtain all necessary licenses and permits and keep necessary records as required.

16.00 EQUAL OPPORTUNITY: The County of Boone is an equal opportunity affirmative action employer, pursuant to federal and state law, and all respondents submitting bids shall be considered to be EEO/AA employers in compliance with federal and state laws, unless otherwise stipulated by the bidders herein.

The Contractor agrees that he will comply with all federal and state laws and regulations and local ordinances and that he will comply and cause each of his subcontractors, and directives pertaining to nondiscrimination against any person on the grounds of race, color, religion, creed, sex, age, ancestry, or national origin in connection with this Contract, including procurement of materials and lease of equipment; therefore, in accordance with the special provisions on that subject attached hereto, incorporated in and made a part of the Contract.

17.00 DOMESTIC PURCHASING POLICY: Contractors are encouraged to select and use materials manufactured, assembled, or produced in the United States in the performance of this contract whenever the quality and price are comparable with other goods. By submission of this bid, the vendor certifies that they are in compliance with section 34.353 and, if applicable, section 34.359 (“Missouri Domestic Products Procurement Act”) of the Revised Statutes of Missouri, 1987.

18.00 TRANSIENT EMPLOYERS: Every transient employer, as defined in Section 285.230 RSMo, must post in a prominent and easily accessible place at the work site a clearly legible copy of the following: (1) the notice of registration for employer withholding issued to such transient employer by the director of revenue; (2) proof of coverage for workers' compensation insurance or self-insurance signed by the transient employer and verified by the department of revenue through the records of the division of workers' compensation; and (3) the notice of registration for unemployment insurance issued to such transient employer by the division of employment security. Any transient employer failing to comply with these requirements shall, under Section 285.234 RSMo, be liable for a penalty of five hundred dollars per day until the notices required by this section are posted as required by law.

19.00 PROTECTION OF WORK: The Contractor shall take all necessary steps to protect his own workers, the utility personnel, and the public from unnecessary danger or hazard during the prosecution of this work. Danger signs, warning signs, flares, lanterns, railings, barriers, sheeting, shoring, etc, shall be erected to prevent accidents from construction, falling objects, rotating machinery, electric lines and other conditions which might prevent unusual hazard.

20.00 OVERHEAD LINE PROTECTION: The Contractor is aware of the provisions of the Overhead Power Line Safety Act, 319.075 to 319.090 RSMo, and agrees to comply with the provisions thereof. Contractor understands that it is their duty to notify any utility operating high voltage overhead lines and make appropriate arrangements with said utility if the performance of contract would cause any activity within ten feet of any high voltage overhead line. To the fullest extent permitted by law, Contractor shall indemnify, hold harmless and defend the County, its directors, officers, agents, and employees from and against all claims, damages, losses and expenses (including but not limited to attorney’s fees) arising by reason of any act or failure to act, negligent or otherwise, of Contractor, of any subcontractor (meaning anyone, including but not limited to consultants having a contract with contractor or a subcontract for part of the services), of anyone directly or indirectly employed by contractor or by any subcontractor, or of anyone for whose acts the contractor or its subcontractor may be liable, in connection with any claims arising under the Overhead Power Line Safety Act. Contractor expressly waives any action for Contribution against the County on behalf of the Contractor, any subcontractor (meaning anyone, including but not limited to consultants having a contract with contractor or a subcontract for part of the services), anyone directly or indirectly employed by contractor or by any subcontractor, or of anyone for whose acts the contractor or its subcontractor may be liable, and agrees to provide a copy of this waiver to any party affected by this provision.

21.00 OSHA PROGRAM REQUIREMENTS: The Contractor is familiar with the requirements of 292.675 RSMo. The Contractor shall provide a ten-hour Occupational Safety and Health Administration (OSHA) construction safety program for their on-site employees, subcontractors, or others acting on behalf of Contractor on-site which meets the requirements of 292.675 RSMo.

The Contractor and each subcontractor shall keep accurate records of those employees who are working on-site and a record of each such employee’s completion of the OSHA program, and certify compliance by affidavit at the conclusion of the project.

The Contractor shall forfeit as a penalty to the County the sum of Two Thousand Five Hundred Dollars (\$2,500.00) plus One Hundred Dollars (\$100.00) for each employee employed by the Contractor or

subcontractor, for each calendar day, or portion thereof, such employee is found to be employed in violation of 292.675 RSMo. Said amounts shall be withheld from all sums and amounts due under this provision when making payments to the Contractor.

22.00 PAYMENT: This will be a lump sum payment contract upon acceptance by Boone County. Contractor must submit an invoice and charges must only include prices listed in the vendor's bid response. No additional fees or taxes shall be included as additional charges. The County's purchase order must appear on the invoice. The County agrees to pay the invoice within thirty (30) days from receipt of a correct invoice and all other required documents.

23.00 INVOICES: Invoices should be submitted to Boone County Joint Communications, Attn: Pat Schreiner for payment 30 days after receipt of a correct and valid invoice. The billing address is Boone County Joint Communications, 17 N 7th Street, Suite A, Columbia, MO 65201.

24.00 Bid Clarification: Any questions or clarifications concerning bid documents should be addressed in writing, PRIOR TO BID OPENING, to Melinda Bobbitt, Director of Purchasing, 613 E. Ash Street, Room 110, Columbia, Missouri 65201. Phone: (573) 886-4391 Fax: (573) 886-4390 or Email: mbobbitt@boonecountymo.org.

3. Response Presentation and Review

- 3.1. **RESPONSE CONTENT** – In order to enable direct comparison of competing Responses, Bidder must submit Response in strict conformity to the requirements stated herein. Failure to adhere to all requirements may result in Bidder's Response being disqualified as non-responsive. All Responses must be submitted using the provided Response Sheet. Every question must be answered and if not applicable, the section must contain "N/A". Manufacturer's published specifications for the items requested shall be included with the response.
- 3.2. **SUBMITTAL OF RESPONSES** – Responses MUST be received by the date and time notes on the title page under "Bid Submission Information and Deadline". NO EXCEPTIONS. The County is not responsible for late or incorrect deliveries from the US Postal Service or any other mail carrier.
- 3.3. **Advice of Award** – If you wish to be advised of the outcome of this Bid, the results may be viewed on the County's web page at www.showmeboone.com.
- 3.4. **BID OPENING** – On the date and time and at the location specified on the title page, all Responses will be opened in public. Brief summary information from each will be read aloud, and any person present will be allowed, under supervision, to scan any Response. In the event only one bid is received by the date and time of the bid opening, County reserves the right to not open the bid and extend the Closing Date for the purpose of inviting bid responses from more vendors in the interest of establishing competition.
- 3.5. **Removal from Vendor Database** – If any prospective Bidder currently in our Vendor Database to whom the Bid was sent elects not to submit a Response and fails to reply in writing stating reason for not bidding, that Bidder's name may be removed from our database. Other reasons for removal include unwillingness or inability to show financial responsibility, reported poor performance, unsatisfactory service, or repeated inability to meet delivery requirements.
- 3.6. **RESPONSE CLARIFICATION** – The County reserves the right to request additional written or oral information from Bidders in order to obtain clarification of their Responses.
- 3.7. **Rejection or Correction of Responses** – The County reserves the right to reject any or all Responses. Minor irregularities or informalities in any Response which are immaterial or inconsequential in nature, and are neither affected by law nor at substantial variance with Bid conditions, may be waived at our discretion whenever it is determined to be in the County's best interest.
- 3.8. **EVALUATION PROCESS** – The County's sole purpose in the evaluation process is to determine from among the Responses received which one is best suited to meet the County's needs at the lowest possible cost. Any final analysis or weighted point score does not imply that one Bidder is superior to another, but simply that in our judgment the Contract selected appears to offer the best overall solution for our current and anticipated needs at the lowest possible cost.
- 3.9. **Method of Evaluation** – The County will evaluate submitted Responses in relation to all aspects of this Bid.
- 3.10. **Acceptability** – The County reserves the sole right to determine whether goods and/or services offered are acceptable for County use.
- 3.11. **Endurance of Pricing** – Bidder's pricing must be held until contract execution or 60 days, whichever comes first.

4. Response Form

Company Name: _____
Address: _____
City/Zip: _____
Phone Number: _____
E-Mail: _____
Fax Number: _____

Federal Tax I.D. _____
() Corporation
() Partnership - Name _____
() Individual/Proprietorship - Individual Name _____
() Other (Specify) _____

4.00 PRICING

4.01. Radio Tower Erection Service for Battle School project per the requirements stated herein.

_____ DOLLARS and _____ CENTS
(Quoted cost in print)
\$/_____ /LUMP SUM

4.02. Work will begin on project _____ days after receipt of Notice to Proceed.

4.03 Work will be completed _____ days after receipt of Notice to Proceed.

4.04. Subcontracting: If Vendor proposes to use subcontractors for this work, list the names of the firms and the work to be assigned in spaces below.

Table with 2 columns: Subcontractor Name/Address, Work Assigned. Includes two rows of blank lines for entry.

4.05. The undersigned offers to furnish and deliver the articles or services as specified at the prices and terms stated and in strict accordance with all requirements contained in the Request for Bid which have been read and understood, and all of which are made part of this order. By submission of this bid, the vendor certifies that they are in compliance with Section 34.353 and, if applicable, Section 34.359 (Missouri Domestic Products Procurement Act) of the Revised Statutes of Missouri.

Authorized Representative (Sign By Hand): _____
Date: _____

Print Name and Title of Authorized Representative: _____

STATEMENT OF BIDDER'S QUALIFICATIONS

Each bidder for the work included in the specifications and plans and the Contract Documents shall submit with their bid the data requested in the following schedule of information. This data must be included in and made a part of each bid document and be contained in the sealed envelope. Failure to comply with this instruction may be regarded as justification for rejecting the Contractor's proposal.

1. Name of Bidder: _____
2. Business Address: _____
3. When Organized: _____
4. When Incorporated: _____
5. List federal tax identification number: _____
If not incorporated, state type of business (sole proprietor, partnership, or other) _____
6. Number of years engaged in business under present firm name: _____
7. If you have done business under a different name, please give name and business location under that name: _____
8. Percent of work done by own staff: _____
9. Have you ever failed to complete any work awarded to your company? If so, where and why? _____
10. Have you ever defaulted on a contract? _____ If so, give _____
11. List of contracts completed within the last three years for work similar in scope to that described in this bid, including value of each. _____
12. List of projects currently in progress: _____

*** Attach additional sheets as necessary ***



Boone County Purchasing
613 E. Ash, Room 110
Columbia, MO 65201

Standard Terms and Conditions

Melinda Bobbitt, CPPO, CPPB, Director of Purchasing
Phone: (573) 886-4391 -- Fax: (573) 886-4390

1. Contractor shall comply with all applicable federal, state, and local laws and failure to do so, in County's sole discretion, shall give County the right to terminate this Contract.
2. Responses shall include all charges for packing, delivery, installation, etc., (unless otherwise specified) to the Boone County Department identified in the Request for Bid and/or Proposal.
3. The Boone County Commission has the right to accept or reject any part or parts of all bids, to waive technicalities, and to accept the offer the County Commission considers the most advantageous to the County. Boone County reserves the right to award this bid on an item-by-item basis, or an "all or none" basis, whichever is in the best interest of the County.
4. Bidders must use the bid forms provided for the purpose of submitting bids, must return the bid and bid sheets comprised in this bid, give the unit price, extended totals, and sign the bid. The Purchasing Director reserves the right, when only one bid has been received by the bid closing date, to delay the opening of bids to another date and time in order to revise specifications and/or establish further competition for the commodity or service required. The one (1) bid received will be retained unopened until the new Closing date, or at request of bidder, returned unopened for re-submittal at the new date and time of bid closing.
5. When products or materials of any particular producer or manufacturer are mentioned in our specifications, such products or materials are intended to be descriptive of type or quality and not restricted to those mentioned.
6. Do not include Federal Excise Tax or Sales and Use Taxes in bid process, as law exempts the County from them.
7. The delivery date shall be stated in definite terms, as it will be taken into consideration in awarding the bid.
8. The County Commission reserves the right to cancel all or any part of orders if delivery is not made or work is not started as guaranteed. In case of delay, the Contractor must notify the Purchasing Department.
9. In case of default by the Contractor, the County of Boone will procure the articles or services from other sources and hold the Bidder responsible for any excess cost occasioned thereby.
10. Failure to deliver as guaranteed may disqualify Bidder from future bidding.
11. Prices must be as stated in units of quantity specified, and must be firm. Bids qualified by escalator clauses may not be considered unless specified in the bid specifications.

12. No bid transmitted by fax machine or e-mail will be accepted.
13. The County of Boone, Missouri expressly denies responsibility for, or ownership of any item purchased until same is delivered to the County and is accepted by the County.
14. The County reserves the right to award to one or multiple respondents. The County also reserves the right to not award any item or group of items if the services can be obtained from a state or other governmental entities contract under more favorable terms.
15. The County, from time to time, uses federal grant funds for the procurement of goods and services. Accordingly, the provider of goods and/or services shall comply with federal laws, rules and regulations applicable to the funds used by the County for said procurement, and contract clauses required by the federal government in such circumstances are incorporated herein by reference. These clauses can generally be found in the Federal Transit Administration's Best Practices Procurement Manual – Appendix A. Any questions regarding the applicability of federal clauses to a particular bid should be directed to the Purchasing Department prior to bid opening.
16. In the event of a discrepancy between a unit price and an extended line item price, the unit price shall govern.
17. Should an audit of Contractor's invoices during the term of the Agreement, and any renewals thereof, indicate that the County has remitted payment on invoices that constitute an over-charging to the County above the pricing terms agreed to herein, the Contractor shall issue a refund check to the County for any over-charges within 30-days of being notified of the same.
18. **For all titled vehicles and equipment the dealer must use the actual delivery date to the County on all transfer documents** including the Certificate of Origin (COO,) Manufacturer's Statement of Origin (MSO,) Bill of Sale (BOS,) and Application for Title.
19. **Equipment and serial and model numbers** - The contractor is strongly encouraged to include equipment serial and model numbers for all amounts invoiced to the County. If equipment serial and model numbers are not provided on the face of the invoice, such information may be required by the County before issuing payment.

INSTRUCTIONS FOR COMPLIANCE WITH HOUSE BILL 1549

House Bill 1549 addresses the Department of Homeland Security's and the Social Security Administration's E-Verify Program (Employment Eligibility Verification Program) that requires the County to verify "lawful presence" of individuals when we contract for work/service; verify that contractor has programs to verify lawful presence of their employees when contracts exceed \$5,000; and a requirement for OSHA safety training for public works projects.

The County is required to obtain certification that the bidder awarded the attached contract participates in a federal work authorization program. To obtain additional information on the Department of Homeland Security's E-Verify program, go to:

<http://www.uscis.gov/portal/site/uscis/menuitem.eyJ1d4c2a3e5b9ac89243c6a7543f6d1a/?vgnextoid=75bce2e261405110VgnVCM1000004718190aRCRD&vgnnextchannel=75bce2e261405110VgnVCM1000004718190aRCRD>

Please complete and return form *Work Authorization Certification Pursuant to 285.530 RSMo* if your contract amount is in excess of \$5,000. **Attach to this form the first and last page of the *E-Verify Memorandum of Understanding* that you completed when enrolling.**

AFFIDAVIT
(Only Required for Individual Bidder Certification Option #2)

State of Missouri)
)SS.
County of _____)

I, the undersigned, being at least eighteen years of age, swear upon my oath that I am either a United States citizen or am classified by the United States government as being lawfully admitted for permanent residence.

Date

Signature

Social Security Number
or Other Federal I.D. Number

Printed Name

On the date above written _____ appeared before me and swore that the facts contained in the foregoing affidavit are true according to his/her best knowledge, information and belief.

Notary Public

My Commission Expires:

(Please complete and return with Bid)

Certification Regarding
Debarment, Suspension, Ineligibility and Voluntary Exclusion
Lower Tier Covered Transactions

This certification is required by the regulations implementing Executive Order 12549, Debarment and Suspension, 29 CFR Part 98 Section 98.510, Participants' responsibilities. The regulations were published as Part VII of the May 26, 1988, Federal Register (pages 19160-19211).

(BEFORE COMPLETING CERTIFICATION, READ INSTRUCTIONS FOR CERTIFICATION)

- (1) The prospective recipient of Federal assistance funds certifies, by submission of this proposal, that neither it nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
- (2) Where the prospective recipient of Federal assistance funds is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

Name and Title of Authorized Representative

Signature

Date

ANTI-COLLUSION STATEMENT

STATE OF MISSOURI

COUNTY OF _____

_____, being first duly sworn, deposes and

says that he is _____

(Title of Person Signing)

of _____

(Name of Bidder)

that all statements made and facts set out in the proposal for the above project are true and correct; and the bidder (person, firm, association, or corporation making said bid) has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with said bid or any contract which may result from its acceptance.

Affiant further certifies that bidder is not financially interested in, or financially affiliated with, any other bidder for the above project

By _____ By _____

By _____

Sworn to before me this _____ day of _____, 20 _____

Notary Public

My Commission Expires _____

SIGNATURE AND IDENTITY OF BIDDER

The undersigned states that the correct LEGAL NAME and ADDRESS of (1) the individual Bidder, (2) each partner or joint venture (whether individuals or corporations, and whether doing business under fictitious name), or (3) the corporation (with the state in which it is incorporated) are shown below; that (if not signing with the intention of binding himself to become the responsible and sole Contractor) he is the agent of, and duly authorized in writing to sign for the Bidder or Bidders; and that he is signing and executing this (as indicated in the proper spaces below) as the proposal of a:

sole individual partnership joint venture
 corporation, incorporated under laws of the state of _____

Dated _____, 20 _____

Name of individual, all partners, or joint venturers:

Address of each:

_____	_____
_____	_____
_____	_____
_____	_____

Address of principal place of business in doing business under the name of:

(If using a fictitious name, show this name above in addition to legal names.)

(If a corporation – show its name above)

ATTEST:

(Secretary)

(Title)

NOTE: If the Bidder is doing business under a FICTITIOUS NAME, the Proposal shall be executed in the legal name of the individual, partners, joint venturers, or corporation, with the legal address shown, and the REGISTRATION OF FICTITIOUS NAME filed with the Secretary of State, as required by Section 417.200 to 417.230, RS Mo. shall be attached. If the Bidder is a CORPORATION NOT ORGANIZED UNDER THE LAWS OF MISSOURI, it shall procure a CERTIFICATE OF AUTHORITY TO DO BUSINESS IN MISSOURI, as required by Section 351.570 and following, RS Mo. A CERTIFIED COPY of such Registration of Fictitious Name or Certificate of Authority to do Business in Missouri shall be filed with the Engineer.

BIDDER'S ACKNOWLEDGMENT

(Complete and fill out all parts applicable, and strike out all parts not applicable.)

State of _____ County of _____

On this _____ day of _____, 20 _____

before me appeared _____ to me personally known, who, being by me first duly sworn, did say that he executed the foregoing Proposal with full knowledge and understanding of all its terms and provisions and of the plans and specifications; that the correct legal name and address of the Bidder (including those of all partners of joint ventures if fully and correctly set out above; that all statements made therein by or for the Bidder are true; and (if a sole individual) acknowledged that he executed the same as his free act and deed.

(if a partnership or joint venture) acknowledged that his executed same, with written authority from, and as the free act and deed of, all said partners or joint ventures.

(if a corporation) that he is the _____
President or other agent

of _____; that the above Proposal was signed and sealed in behalf of said corporation by authority of its board of directors; and he acknowledged said proposal to be the free act and deed of said corporation.

Witness my hand and seal at, _____ the day and year first above written. (SEAL).

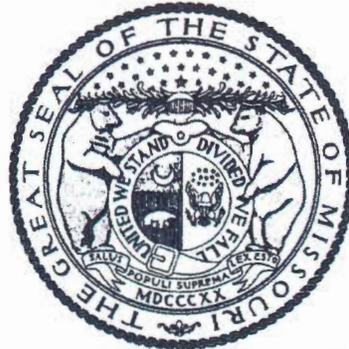
Notary Public

My Commission expires _____, 20 _____.

Dated 10-20-15

Missouri Division of Labor Standards

WAGE AND HOUR SECTION



JEREMIAH W. (JAY) NIXON, Governor

Annual Wage Order No. 22

Section 010
BOONE COUNTY

In accordance with Section 290.262 RSMo 2000, within thirty (30) days after a certified copy of this Annual Wage Order has been filed with the Secretary of State as indicated below, any person who may be affected by this Annual Wage Order may object by filing an objection in triplicate with the Labor and Industrial Relations Commission, P.O. Box 599, Jefferson City, MO 65102-0599. Such objections must set forth in writing the specific grounds of objection. Each objection shall certify that a copy has been furnished to the Division of Labor Standards, P.O. Box 449, Jefferson City, MO 65102-0449 pursuant to 8 CSR 20-5.010(1). A certified copy of the Annual Wage Order has been filed with the Secretary of State of Missouri.

Original Signed by

John E. Lindsey, Director
Division of Labor Standards

This Is A True And Accurate Copy Which Was Filed With The Secretary of State: March 10, 2015

Last Date Objections May Be Filed: April 9, 2015

Prepared by Missouri Department of Labor and Industrial Relations

OCCUPATIONAL TITLE	** Date of Increase	*	Basic Hourly Rates	Over-Time Schedule	Holiday Schedule	Total Fringe Benefits
Asbestos Worker (H & F) Insulator			\$32.06	55	60	\$20.71
Boilermaker	8/15		\$34.76	57	7	\$28.00
Bricklayer and Stone Mason	6/15		\$28.95	59	7	\$16.25
Carpenter	6/15		\$24.75	60	15	\$15.55
Cement Mason	6/15		\$26.83	9	3	\$11.95
Communication Technician	6/15		\$31.35	28	7	\$12.70 + 13%
Electrician (Inside Wireman)	6/15		\$31.35	28	7	\$12.70 + 13%
Electrician (Outside-Line Construction\Lineman)	9/15		\$42.52	43	45	\$5.00 + 36.5%
Lineman Operator	9/15		\$36.70	43	45	\$5.00 + 36.5%
Groundman	9/15		\$28.38	43	45	\$5.00 + 36.5%
Elevator Constructor		a	\$44.37	26	54	\$28.385
Glazier	10/15		\$26.57	122	76	\$11.33
Ironworker	8/15		\$28.41	11	8	\$24.04
Laborer (Building):						
General			\$21.71	42	44	\$12.84
First Semi-Skilled			\$23.71	42	44	\$12.84
Second Semi-Skilled			\$22.71	42	44	\$12.84
Lather			USE CARPENTER RATE			
Linoleum Layer and Cutter	6/15		\$24.63	60	15	\$15.55
Marble Mason	10/15		\$21.66	124	74	\$12.68
Marble Finisher	10/15		\$14.14	124	74	\$9.08
Millwright	6/15		\$25.75	60	15	\$15.55
Operating Engineer						
Group I	6/15		\$28.66	86	66	\$24.01
Group II	6/15		\$28.66	86	66	\$24.01
Group III	6/15		\$27.41	86	66	\$24.01
Group III-A	6/15		\$28.66	86	66	\$24.01
Group IV	6/15		\$26.43	86	66	\$24.01
Group V	6/15		\$29.36	86	66	\$24.01
Painter	6/15		\$22.94	18	7	\$11.33
Pile Driver	6/15		\$25.75	60	15	\$15.55
Pipe Fitter	7/15	b	\$37.00	91	69	\$26.68
Plasterer	6/15		\$25.40	94	5	\$12.00
Plumber	7/15	b	\$37.00	91	69	\$26.68
Rofer \ Waterproofer	10/15		\$29.30	12	4	\$14.87
Sheet Metal Worker	7/15		\$31.14	40	23	\$16.24
Sprinkler Fitter - Fire Protection	6/15		\$32.39	33	19	\$19.05
Terrazzo Worker			\$28.73	124	74	\$14.38
Terrazzo Finisher			\$18.68	124	74	\$14.38
Tile Setter	10/15		\$21.66	124	74	\$12.68
Tile Finisher	10/15		\$14.14	124	74	\$9.08
Traffic Control Service Driver			\$26.415	22	55	\$9.045
Truck Driver-Teamster						
Group I			\$25.30	101	5	\$10.70
Group II			\$25.95	101	5	\$10.70
Group III			\$25.45	101	5	\$10.70
Group IV			\$25.95	101	5	\$10.70

Fringe Benefit Percentage is of the Basic Hourly Rate

**Annual Incremental Increase

**REPLACEMENT PAGE
BOONE COUNTY
BUILDING CONSTRUCTION OVERTIME SCHEDULE**

FED: Minimum requirement per Fair Labor Standards Act means time and one-half (1 ½) shall be paid for all work in excess of forty (40) hours per work week.

NO. 9: Means the regular workday starting time of 8:00 a.m. (and resulting quitting time of 4:30 p.m.) may be moved forward to 6:00 a.m. or delayed one hour to 9:00 a.m. All work performed in excess of the regular work day and on Saturday shall be compensated at one and one-half (1½) times the regular pay. In the event time is lost during the work week due to weather conditions, the Employer may schedule work on the following Saturday at straight time. All work accomplished on Sunday and holidays shall be compensated for at double the regular rate of wages. The work week shall be Monday through Friday, except for midweek holidays.

NO. 11: Means eight (8) hours shall constitute a day's work, with the starting time to be established between 6:00 a.m. and 8:00 a.m. from Monday to Friday. Time and one-half (1½) shall be paid for first two (2) hours of overtime Monday through Friday and the first eight (8) hours on Saturday. All other overtime hours Monday through Saturday shall be paid at double (2) time rate. Double (2) time shall be paid for all time on Sunday and recognized holidays or the days observed in lieu of these holidays.

NO. 12: Means the work week shall commence on Monday at 12:01 a.m. and shall continue through the following Friday, inclusive of each week. All work performed by employees anywhere in excess of forty (40) hours in one (1) work week, shall be paid for at the rate of one and one-half (1½) times the regular hourly wage scale. All work performed within the regular working hours which shall consist of a ten (10) hour work day except in emergency situations. Overtime work and Saturday work shall be paid at one and one-half (1½) times the regular hourly rate. Work on recognized holidays and Sundays shall be paid at two (2) times the regular hourly rate.

NO. 18: Means the regular work day shall be eight (8) hours. Working hours are from six (6) hours before Noon (12:00) to six (6) hours after Noon (12:00). The regular work week shall be forty (40) hours, beginning between 6:00 a.m. and 12:00 Noon on Monday and ending between 1:00 p.m. and 6:00 p.m. on Friday. Saturday will be paid at time and one-half (1½). Sunday and Holidays shall be paid at double (2) time. Saturday can be a make-up day if the weather has forced a day off, but only in the week of the day being lost. Any time before six (6) hours before Noon or six (6) hours after Noon will be paid at time and one-half (1½).

NO. 22: Means a regular work week of forty (40) hours will start on Monday and end on Friday. The regular work day shall be either eight (8) or ten (10) hours. If a crew is prevented from working forty (40) hours Monday through Friday, or any part thereof by reason of inclement weather, Saturday or any part thereof may be worked as a make-up day at the straight time rate. Employees who are part of a regular crew on a make-up day, notwithstanding the fact that they may not have been employed the entire week, shall work Saturday at the straight time rate. A workday is to begin between 6:00 a.m. and 9:00 a.m. However, the project starting time may be advanced or delayed if mutually agreed to by the interest parties. For all time worked on recognized holidays, or days observed as such, double (2) time shall be paid.

NO. 26: Means that the regular working day shall consist of eight (8) hours worked between 6:00 a.m., and 5:00 p.m., five (5) days per week, Monday to Friday, inclusive. Hours of work at each jobsite shall be those established by the general contractor and worked by the majority of trades. (The above working hours may be changed by mutual agreement). Work performed on Construction Work on Saturdays, Sundays and before and after the regular working day on Monday to Friday, inclusive, shall be classified as overtime, and paid for at double (2) the rate of single time. The employer may establish hours worked on a jobsite for a four (4) ten (10) hour day work week at straight time pay for construction work; the regular working day shall consist of ten (10) hours worked consecutively, between 6:00 a.m. and 6:00 p.m., four (4) days per week, Monday to Thursday, inclusive. Any work performed on Friday, Saturday, Sunday and holidays, and before and after the regular working day on Monday to Thursday where a four (4) ten (10) hour day workweek has been established, will be paid at two times (2) the single time rate of pay. The rate of pay for all work performed on holidays shall be at two times (2) the single time rate of pay.

**REPLACEMENT PAGE
BOONE COUNTY
BUILDING CONSTRUCTION OVERTIME SCHEDULE**

NO. 28: Means a regular workday shall consist of eight (8) hours between 7:00 a.m. and 5:30 p.m., with at least a thirty (30) minute period to be taken for lunch. Five (5) days a week, Monday through Friday inclusive, shall constitute a work week. The Employer has the option for a workday/workweek of four (4) ten (10) hour days (4-10's) provided:

- The project must be for a minimum of four (4) consecutive days.
- Starting time may be within one (1) hour either side of 8:00 a.m.
- Work week must begin on either a Monday or Tuesday: If a holiday falls within that week it shall be a consecutive work day. (Alternate: If a holiday falls in the middle of a week, then the regular eight (8) hour schedule may be implemented).
- Any time worked in excess of any ten (10) hour work day (in a 4-10 hour work week) shall be at the appropriate overtime rate.

All work outside of the regular working hours as provided, Monday through Saturday, shall be paid at one & one-half (1½) times the employee's regular rate of pay. All work performed from 12:00 a.m. Sunday through 8:00 a.m. Monday and recognized holidays shall be paid at double (2) the straight time hourly rate of pay. Should employees work in excess of twelve (12) consecutive hours they shall be paid double time (2X) for all time after twelve (12) hours. Shift work performed between the hours of 4:30 p.m. and 12:30 a.m. (second shift) shall receive eight (8) hours pay at the regular hourly rate of pay plus ten (10%) percent for seven and one-half (7½) hours work. Shift work performed between the hours of 12:30 a.m. and 8:00 a.m. (third shift) shall receive eight (8) hours pay at the regular hourly rate of pay plus fifteen (15%) percent for seven (7) hours work. A lunch period of thirty (30) minutes shall be allowed on each shift. All overtime work required after the completion of a regular shift shall be paid at one and one-half (1½) times the shift hourly rate.

NO. 33: Means the standard work day and week shall be eight (8) consecutive hours of work between the hours of 6:00 a.m. and 6:00 p.m., excluding the lunch period Monday through Friday, or shall conform to the practice on the job site. Four (4) days at ten (10) hours a day may be worked at straight time, Monday through Friday and need not be consecutive. All overtime, except for Sundays and holidays shall be at the rate of time and one-half (1½). Overtime worked on Sundays and holidays shall be at double (2) time.

NO. 40: Means the regular working week shall consist of five (5) consecutive (8) hour days' labor on the job beginning with Monday and ending with Friday of each week. Four (4) 10-hour days may constitute the regular work week. The regular working day shall consist of eight (8) hours labor on the job beginning as early as 6:00 a.m. and ending as late as 5:30 p.m. All full or part time labor performed during such hours shall be recognized as regular working hours and paid for at the regular hourly rate. All hours worked on Saturday and all hours worked in excess of eight (8) hours but not more than twelve (12) hours during the regular working week shall be paid for at time and one-half (1½) the regular hourly rate. All hours worked on Sundays and holidays and all hours worked in excess of twelve (12) hours during the regular working day shall be paid at two (2) times the regular hourly rate. In the event of rain, snow, cold or excessively windy weather on a regular working day, Saturday may be designated as a "make-up" day. Saturday may also be designated as a "make-up" day, for an employee who has missed a day of work for personal or other reasons. Pay for "make-up" days shall be at regular rates.

**REPLACEMENT PAGE
BOONE COUNTY
BUILDING CONSTRUCTION OVERTIME SCHEDULE**

NO. 42: Means eight (8) hours between the hours of 8:00 a.m. and 4:30 p.m. shall constitute a work day. The starting time may be advanced one (1) or two (2) hours. Employees shall have a lunch period of thirty (30) minutes. The Employer may provide a lunch period of one (1) hour, and in that event, the workday shall commence at 8:00 a.m. and end at 5:00 p.m. The workweek shall commence at 8:00 a.m. on Monday and shall end at 4:30 p.m. on Friday (or 5:00 p.m. on Friday if the Employer grants a lunch period of one (1) hour), or as adjusted by starting time change as stated above. All work performed before 8:00 a.m. and after 4:30 p.m. (or 5:00 p.m. where one (1) hour lunch is granted for lunch) or as adjusted by starting time change as stated above or on Saturday, except as herein provided, shall be compensated at one and one-half (1½) times the regular hourly rate of pay for the work performed. All work performed on Sunday and on recognized holidays shall be compensated at double (2) the regular hourly rate of pay for the work performed. When working a five 8-hour day schedule and an Employer is prevented from working forty (40) hours, Monday through Friday, or any part thereof by reason of inclement weather (rain or mud), Saturday or any part thereof may be worked as a make-up day at the straight time rate. The Employer shall have the option of working five eight (8) hour days or four ten (10) hour days Monday through Friday. If an Employer elects to work five (5) eight (8) hour days during any work week, hours worked more than eight (8) per day or forty (40) hours per week shall be paid at time and one-half (1½) the hourly rate Monday through Friday. If an Employer elects to work four (4) ten (10) hour days in any week, work performed more than ten (10) hours per day or forty (40) hours per week shall be paid at time and one-half (1½) the hourly rate Monday through Friday. If an Employer is working ten (10) hour days and loses a day due to inclement weather, they may work ten (10) hours Friday at straight time. All hours worked over the forty (40) hours Monday through Friday will be paid at time and one-half (1½) overtime rate. Overtime shall be computed at half-hour intervals. Shift Work: Two (2) or three (3) shifts shall be permitted, provided such shifts are scheduled for a minimum of three (3) consecutive days. The second shift shall begin at 4:30 p.m. and end at 12:30 a.m. with one-half (1/2) hour for lunch between 7:30 p.m. and 9:00 p.m. and shall received eighty (8) hours' pay. The third shift shall begin at 12:30 a.m. and end at 8:00 a.m. with one-half (1/2) hour for lunch between 3:30 a.m. and 5:00 a.m. and shall received (8) hour's; pay. There shall be at least one (1) foreman on each shift on jobs where more than one shift is employed, provided that there are two (2) or more employees on second and on the third shifts. All shifts shall arrange to interchange working hours at the end of each week. When three shifts are used, the applicable rate must be paid from Saturday at 8:00 a.m. until the following Monday at 8:00 a.m. When three shifts are employed, the second and third shifts shall contain at least one-half (1/2) as many employees as the first shift.

NO. 43: Eight (8) hours shall constitute a work day between the hours of 7:00 a.m. and 4:30 p.m. Forty (40) hours within five (5) days, Monday through Friday inclusive, shall constitute the work week. Work performed in the 9th and 10th hour, Monday through Friday, shall be paid at time and one-half (1½) the regular straight time rate of pay. Contractor has the option to pay two (2) hours per day at the time and one-half (1½) the regular straight time rate of pay between the hours of 6:00 a.m. and 5:30 p.m., Monday through Friday. Work performed outside the regularly scheduled working hours and on Saturdays, Sundays and recognized legal holidays, or days celebrated as such, shall be paid for at the rate of double (2) time.

NO. 55: Means the regular work day shall be eight (8) hours between 6:00 a.m. and 4:30 p.m. The first two (2) hours of work performed in excess of the eight (8) hour work day, Monday through Friday, and the first ten (10) hours of work on Saturday, shall be paid at one & one-half (1½) times the straight time rate. All work performed on Sunday, observed holidays and in excess of ten (10) hours a day, Monday through Saturday, shall be paid at double (2) the straight time rate.

NO. 57: Means eight (8) hours per day shall constitute a day's work and forty (40) hours per week, Monday through Friday, shall constitute a week's work. The regular starting time shall be 8:00 a.m. If a second or third shift is used, the regular starting time of the second shift shall be 4:30 p.m. and the regular starting period for the third shift shall be 12:30 a.m. These times may be adjusted by the employer. The day shift shall work a regular eight (8) hours shift as outlined above. Employees working a second shift shall receive an additional \$0.25 above the regular hourly rate and perform seven and one-half (7½) hours work for eight (8) hours pay. Third shift employees shall be paid an additional \$0.50 above the regular hourly rate and work seven (7) hours for eight (8) hours pay. When circumstances warrant, the Employer may change the regular workweek to four (4) ten-hour days at the regular time rate of pay. All time worked before and after the established workday of eight (8) hours, Monday through Friday, and all time worked on Saturday shall be paid at the rate of time and one-half (1½) except in cases where work is part of an employee's regular Friday shift. All time worked on Sunday and recognized holidays shall be paid at the double (2) time rate of pay except in cases where work is part of an employee's previous day's shift. For all overtime hours worked \$26.71 of the fringe benefits portion of the prevailing wage shall be paid at the same overtime rate at which the cash portion of the prevailing wage is to be paid. The remaining \$1.29 of the fringe benefit portion of the prevailing wage may be paid at straight time.

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NO. 59: Means that except as herein provided, eight (8) hours a day shall constitute a standard work day, and forty (40) hours per week shall constitute a week's work. All time worked outside of the standard eight (8) hour work day and on Saturday shall be classified as overtime and paid the rate of time and one-half (1½). All time worked on Sunday and holidays shall be classified as overtime and paid at the rate of double (2) time. The Employer has the option of working either five (5) eight hour days or four (4) ten hour days to constitute a normal forty (40) hour work week. When the four (4) ten-hour work week is in effect, the standard work day shall be consecutive ten (10) hour periods between the hours of 6:30 a.m. and 6:30 p.m. Forty (40) hours per week shall constitute a week's work, Monday through Thursday, inclusive. In the event the job is down for any reason beyond the Employer's control, then Friday and/or Saturday may, at the option of the Employer, be worked as a make-up day; straight time not to exceed ten (10) hours or forty (40) hours per week. When the five day eight (8) hour work week is in effect, forty (40) hours per week shall constitute a week's work, Monday through Friday, inclusive. In the event the job is down for any reason beyond the Employer's control, then Saturday may, at the option of the Employer, be worked as a make-up day; straight time not to exceed eight (8) hours or forty (40) hours per week. The regular starting time (and resulting quitting time) may be moved to 6:00 a.m. or delayed to 9:00 a.m. Make-up days shall not be utilized for days lost due to holidays.

NO. 60: Means the Employer shall have the option of working five 8-hour days or four 10-hour days Monday through Friday. If an Employer elects to work five 8-hour days during any work week, hours worked more than eight (8) per day or forty (40) per week shall be paid at time and one-half (1½) the hourly wage rate plus fringe benefits Monday through Friday. **SATURDAY MAKE-UP DAY:** If an Employer is prevented from working forty (40) hours, Monday through Friday, or any part thereof by reason of inclement weather (rain or mud), Saturday or any part thereof may be worked as a make-up day at the straight time rate. It is agreed by the parties that the make-up day is not to be used to make up time lost due to recognized holidays. If an Employer elects to work four 10-hour days, between the hours of 6:30 a.m. and 6:30 p.m. in any week, work performed more than ten (10) hours per day or forty (40) hours per week shall be paid at time and one half (1½) the hourly wage rate plus fringe benefits Monday through Friday. If an Employer is working 10-hour days and loses a day due to inclement weather, the Employer may work ten (10) hours on Friday at straight time. All hours worked over the forty (40) hours Monday through Friday will be paid at time and one-half (1½) the hourly wage rate plus fringe benefits. All Millwright work performed in excess of the regular work day and on Saturday shall be compensated for at time and one-half (1½) the regular Millwright hourly wage rate plus fringe benefits. The regular work day starting at 8:00 a.m. (and resulting quitting time of 4:30 p.m.) may be moved forward to 6:00 a.m. or delayed one (1) hour to 9:00 a.m. All work accomplished on Sundays and recognized holidays, or days observed as recognized holidays, shall be compensated for at double (2) the regular hourly rate of wages plus fringe benefits. **NOTE:** All overtime is computed on the hourly wage rate plus an amount equal to the fringe benefits.

NO. 86: The regular workday shall consist of eight (8) consecutive hours, exclusive of a thirty (30) minute lunch period, with pay at the straight time rate with all hours in excess of eight (8) hours in any one day to be paid at the applicable overtime rate at time and one-half (1½). The regular workday shall begin between the hours of 6:00 a.m. and 8:00 a.m. The Employer may have the option to schedule the work week from Monday through Thursday at ten (10) hours per day at the straight time rate of pay with all hours in excess of ten (10) hours in any one day to be paid at the applicable overtime rate at time and one-half (1½). If the Employer elects to work from Monday through Thursday and is stopped due to inclement weather, holiday or other conditions beyond the control of the Employer, they shall have the option to work Friday at the straight time rate of pay to complete the forty (40) hours for the workweek. All overtime work performed on Monday through Saturday shall be paid at time and one-half (1½) the hourly rate. Fringe benefits shall be paid at the one and one half the hourly rate. All work performed on Sundays and recognized holidays shall be paid at double (2) the hourly rate. Fringe benefits shall be paid at double the hourly rate. Shifts may be established when considered necessary by the Employer. Shift hours and rates will be as follows. If shifts are established, work on the First Shift will begin between 6:00 a.m. and 9:00 a.m. and consist of eight (8) hours of work plus one-half hour unpaid lunch. Hours worked during the first shift will be paid at the straight time rate of pay. The second shift shall start eight hours after the start of the first shift and consist of eight (8) hours of work plus one-half hour unpaid lunch. Work on the second shift will begin between 2:00 p.m. and 5:00 p.m. and be paid the straight time rate plus \$2.50 per hour. The third shift shall start eight hours after the start of the second shift and consist of eight (8) hours plus one-half hour unpaid lunch. Work on the third shift will begin between 10:00 p.m. and 1:00 a.m. and be paid the straight time rate plus \$3.50 per hour. The additional amounts that are to be paid are only applicable when working shifts. Shifts that begin on Saturday morning through those shifts which end on Sunday morning will be paid at time and one-half these rates. Shifts that begin on Sunday morning through those shifts which end on Monday morning will be paid at double time these rates.

**REPLACEMENT PAGE
BOONE COUNTY
BUILDING CONSTRUCTION OVERTIME SCHEDULE**

NO. 87: Means eight (8) hours starting between 6:00 a.m. and 8:00 a.m. and ending between 2:30 p.m. and 4:30 p.m. at the Employers discretion shall constitute a day's work. Any work prior to 6:00 a.m. or after eight (8) hours shall be paid at the overtime rate. Five (5) days from Monday through Friday inclusive shall constitute a regular work week. All hours before and after these regular hours shall be considered overtime and shall be paid for at the rate of double (2) time. All work on Saturday and Sunday shall be paid at double (2) the prevailing scale of wages.

NO. 91: Means eight (8) hours shall constitute a day's work commencing at 7:00 a.m. and ending at 3:30 p.m., allowing one-half (½) hour for lunch. The option exists for the Employer to use a flexible starting time between the hours of 6:00 a.m. and 9:00 a.m. The regular workweek shall consist of forty (40) hours of five (5) workdays, Monday through Friday. The workweek may consist of four (4) ten (10) hour days from Monday through Thursday, with Friday as a make-up day. If the make-up day is a holiday, the employee shall be paid at the double (2) time rate. The employees shall be paid time and one-half (1½) for work performed on Saturdays, before the regular starting time or after the regular quitting time or over eight (8) hours per work day (unless working a 10-hour work day, then time and one-half (1½) is paid for work performed over ten (10) hours a day) or over forty (40) hours per work week. Work performed on Sundays and recognized holidays shall be paid at the double (2) time rate of pay. SHIFT WORK: When it is necessary for the project to operate in shifts, there will be three (3) eight (8) hour shifts commencing at 8:00 a.m. Shift work must continue for a period of not less than three (3) consecutive work days, two (2) days which must be regular work days (Monday through Friday). In the event the second or third shift of any regular work day shall fall into a Saturday or a holiday, such extension into a Saturday or holiday shall be considered as part of the previous workday and employees shall be paid at the regular shift rate. The first day shift shall work a regular eight (8) hour day at regular rates. The second shift shall be eight (8) hours regular time pay plus \$2.50 per hour premium for eight (8) hours work. Third shift will be for eight (8) hours regular time pay plus \$3.00 per hour premium for eight (8) hours work.

NO. 94: Means eight (8) hours shall constitute a day's work between the hours of 8:00 a.m. and 5:00 p.m. The regular workday starting time of 8:00 a.m. (and resulting quitting time of 4:30 p.m.) may be moved forward to 6:00 a.m. or delayed one (1) hour to 9:00 a.m. All work performed in excess of the regular work day and on Saturday shall be compensated at one and one-half (1½) times the regular pay. In the event time is lost during the work week due to weather conditions, the Employer may schedule work on the following Saturday at straight time. All work accomplished on Sunday and holidays shall be compensated at double the regular rate of wages.

NO. 101: Means that except as provided below, eight (8) hours a day shall constitute a standard work day, and forty (40) hours per week shall constitute a week's work, which shall begin on Monday and end on Friday. All time worked outside of the standard work day and on Saturday shall be classified as overtime and paid the rate of time and one-half (1½) (except as herein provided). All time worked on Sunday and recognized holidays shall be classified as overtime and paid at the rate of double (2) time. The regular starting time of 8:00 a.m. (and resulting quitting time of 4:30 p.m.) may be moved forward to 6:00 a.m. or delayed one (1) hour to 9:00 a.m. The Employer has the option of working either five (5) eight-hour days or four (4) ten-hour days to constitute a normal forty (40) hour work week. When a four (4) ten-hour day work week is in effect, the standard work day shall be consecutive ten (10) hour periods between the hours of 6:30 a.m. and 6:30 p.m. Forty (40) hours per week shall constitute a week's work Monday through Thursday, inclusive. In the event the job is down for any reason beyond the Employer's control, then Friday and/or Saturday may, at the option of the Employer, be worked as a make-up day; straight time not to exceed ten (10) hours per day or forty (40) hours per week. Starting time will be designated by the employer. When the five (5) day eight (8) hour work week is in effect, forty (40) hours per week shall constitute a week's work, Monday through Friday, inclusive. In the event the job is down for any reason beyond the Employer's control, then Saturday may, at the option of the Employer, be worked as a make-up day; straight time not to exceed eight (8) hours per day or forty (40) hours per week. Make-up days shall not be utilized for days lost due to holidays.

NO. 122: Means forty (40) hours between Monday and Friday shall constitute the normal work week. Work shall be scheduled between the hours of 6:00 a.m. and 6:30 p.m., with one-half hour for lunch. Work in excess of eight (8) hours per day and forty (40) hours per week, and on Saturdays, shall be paid at the rate of one and one-half times the normal rate. Due to inclement weather during the week, Saturday shall be a voluntary make up day.

**REPLACEMENT PAGE
BOONE COUNTY
BUILDING CONSTRUCTION OVERTIME SCHEDULE**

NO. 124: Means eight (8) hours shall constitute a day's work on all classes of work between the hours of 6:00 a.m. and 5:30 p.m., Monday through Friday. The pay for time worked during these hours shall be at the regular wage rate. The regular workweek shall be Monday through Friday. Employment from 4:30 p.m. to 12:00 midnight, Monday through Friday, shall be paid for at one and one-half (1½) times the regular hourly rate. From 12:00 midnight until 8:00 a.m. on any day shall be paid for at twice the regular hourly rate. All time worked on Sundays and the recognized holidays shall be paid at the rate of double (2) time. It is understood that forty (40) hours shall constitute a regular workweek, (5-8's) Sunday Midnight through Friday Midnight, understanding anything over eight (8) hours is one and one-half (1½) times the hourly wage rate.

**BOONE COUNTY
HOLIDAY SCHEDULE – BUILDING CONSTRUCTION**

NO. 3: All work done on New Year's Day, Decoration Day, July 4th, Labor Day, Veteran's Day, Thanksgiving and Christmas shall be compensated at the double (2) time rate of pay. When any of these holidays fall on a Sunday, the following Monday shall be observed.

NO. 4: All work done on New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving and Christmas Day shall be paid at the double time rate of pay. If any of the above holidays fall on Sunday, Monday will be observed as the recognized holiday. If any of the above holidays fall on Saturday, Friday will be observed as the recognized holiday.

NO. 5: All work that shall be done on New Year's Day, Memorial Day, Fourth of July, Labor Day, Veteran's Day, Thanksgiving Day, and Christmas Day shall be paid at the double (2) time rate of pay.

NO. 7: The following days are assigned days and are recognized as holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, and Christmas Day. If a holiday falls on a Sunday, it shall be observed on the following Monday. If a holiday falls on a Saturday, it shall be observed on the preceding Friday. No work shall be performed on Labor Day except in case of jeopardy to work under construction. This is applied to protect Labor Day. When a holiday falls during the normal workweek, Monday through Friday, it shall be counted as eight (8) hours toward the forty (40) hour week. However, no reimbursement for these eight (8) hours is to be paid to the workman unless worked. If workman are required to work the above enumerated holidays or days observed as such, or on Sunday, they shall receive double (2) the regular rate of pay for such work.

NO. 8: All work performed on New Year's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, and Christmas Day, or the days observed in lieu of these holidays, shall be paid at the double time rate of pay.

NO. 15: All work accomplished on the recognized holidays of New Year's Day, Decoration Day (Memorial Day), Independence Day (Fourth of July), Labor Day, Veteran's Day, Thanksgiving Day and Christmas Day, or days observed as these named holidays, shall be compensated for at double (2) the regular hourly rate of wages plus fringe benefits. If a holiday falls on Saturday, it shall be observed on the preceding Friday. If a holiday falls on a Sunday, it shall be observed on the following Monday. No work shall be performed on Labor Day, Christmas Day, Decoration Day or Independence Day except to preserve life or property.

NO. 19: All work done on New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day, and Christmas Day shall be paid at the double time rate of pay. The employee may take off Friday following Thanksgiving Day. However, the employee shall notify his or her Foreman, General Foreman or Superintendent on the Wednesday preceding Thanksgiving Day. When one of the above holidays falls on Sunday, the following Monday shall be considered a holiday and all work performed on either day shall be at the double (2) time rate. When one of the holidays falls on Saturday, the preceding Friday shall be considered a holiday and all work performed on either day shall be at the double (2) time rate.

NO. 23: All work done on New Year's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, Christmas Day and Sundays shall be recognized holidays and shall be paid at the double time rate of pay. When a holiday falls on Sunday, the following Monday shall be considered a holiday. When a holiday falls on Saturday, Friday is recognized as a holiday.

NO. 31: All work done on New Year's Day, Presidents Day, Good Friday, Memorial Day, Fourth of July, Labor Day, Veteran's Day, Thanksgiving Day, Friday after Thanksgiving Day, Christmas Day, and Employee's Birthday shall be paid at the double time rate of pay. If a holiday falls on Sunday, the following Monday will be observed as the recognized holiday. If a holiday falls on Saturday, the preceding Friday will be observed as the recognized holiday.

**BOONE COUNTY
HOLIDAY SCHEDULE – BUILDING CONSTRUCTION**

NO. 44: All work done on New Year's Day, Memorial Day, Independence Day, Veteran's Day, Thanksgiving Day, and Christmas Day shall be paid at the double time rate of pay. If a holiday falls on a Sunday, it shall be observed on the Monday following. If a holiday falls on a Saturday, it shall be observed on the preceding Friday. No work shall be performed on these days except in emergency to protect life or property. All work performed on these holidays shall be compensated at double the regular hourly rate for the work performed. Overtime shall be computed at half-hour intervals.

NO. 45: All work performed on New Year's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, the day after Thanksgiving, the day before Christmas, and Christmas Day, shall be paid at the double time rate of pay.

NO. 54: All work performed on New Year's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, the Friday after Thanksgiving Day, and Christmas Day shall be paid at the double (2) time rate of pay. When a holiday falls on Saturday, it shall be observed on Friday. When a holiday falls on Sunday, it shall be observed on Monday.

NO. 55: The following days are recognized as holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day. If a holiday falls on a Sunday, it shall be observed on the following Monday. No work shall be performed on Labor Day except in case of jeopardy to work under construction. This rule is applied to protect Labor Day. When a holiday falls during the normal work week, Monday through Friday, it shall be counted as eight (8) hours toward the forty (40) hour week; however, no reimbursement for this eight (8) hours is to be paid the workmen unless worked. An Employer working a four (4) day, ten (10) hour schedule may use Friday as a make up day when an observed holiday occurs during the work week. Employees have the option to work that make up day. If workmen are required to work the above enumerated holidays, or days observed as such, they shall receive double (2) the regular rate of pay for such work.

NO. 60: All work performed on New Year's Day, Armistice Day (Veteran's Day), Decoration Day (Memorial Day), Independence Day (Fourth of July), Thanksgiving Day and Christmas Day shall be paid at the double time rate of pay. No work shall be performed on Labor Day except when triple (3) time is paid. When a holiday falls on Saturday, Friday will be observed as the holiday. When a holiday falls on Sunday, the following Monday shall be observed as the holiday.

NO. 66: All work performed on Sundays and the following recognized holidays, or the days observed as such, of New Year's Day, Decoration Day, Fourth of July, Labor Day, Veteran's Day, Thanksgiving Day and Christmas Day, shall be paid at double (2) the hourly rate plus an amount equal to the hourly Total Indicated Fringe Benefits. Whenever any such holidays fall on a Sunday, the following Monday shall be observed as a holiday.

NO. 69: All work performed on New Year's Day, Memorial Day, July Fourth, Labor Day, Veteran's Day, Thanksgiving Day or Christmas Day shall be compensated at double (2) their straight-time hourly rate of pay. Friday after Thanksgiving and the day before Christmas are also holidays, however, if the employer chooses to work the normal work hours on these days, the employee will be paid at straight-time rate of pay. If a holiday falls on a Saturday, the holiday will be observed on Saturday; if a holiday falls on a Sunday, the holiday will be observed on the following Monday.

NO. 74: All work performed on New Year's Day, Memorial Day, Fourth of July, Labor Day, Veteran's Day, Thanksgiving Day and Christmas Day, shall be paid at double (2) time of the hourly rate of pay. In the event one of the above holiday's falls on Saturday, the holiday shall be celebrated on Saturday. If the holiday falls on Sunday, the holiday will be celebrated on Monday.

NO. 76: Work performed on Holidays shall be paid at the rate of two times the normal rate. Holidays are: New Years Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Day after Thanksgiving, Christmas Day. If a holiday falls on a Sunday, it shall be celebrated on the following Monday, if it falls on Saturday, it shall be celebrated on the preceding Friday.

OCCUPATIONAL TITLE	* Date of Increase	Basic Hourly Rates	Over-Time Schedule	Holiday Schedule	Total Fringe Benefits
Carpenter	6/15	\$30.41	23	16	\$15.55
Electrician (Outside-Line Construction\Lineman)	9/15	\$42.52	9	12	\$5.00 + 36.5%
Lineman Operator	9/15	\$36.70	9	12	\$5.00 + 36.5%
Lineman - Tree Trimmer	10/15	\$23.90	32	31	\$9.73 + 3%
Groundman	9/15	\$28.38	9	12	\$5.00 + 36.5%
Groundman - Tree Trimmer	10/15	\$17.64	32	31	\$7.72 + 3%
Laborer					
General Laborer	6/15	\$27.36	2	4	\$12.82
Skilled Laborer	6/15	\$27.36	2	4	\$12.82
Millwright	6/15	\$30.41	23	16	\$15.55
Operating Engineer					
Group I	6/15	\$27.74	21	5	\$23.91
Group II	6/15	\$27.39	21	5	\$23.91
Group III	6/15	\$27.19	21	5	\$23.91
Group IV	6/15	\$23.54	21	5	\$23.91
Oiler-Driver	6/15	\$23.54	21	5	\$23.91
Pile Driver	6/15	\$30.41	23	16	\$15.55
Traffic Control Service Driver		\$26.415	28	27	\$9.045
Truck Driver-Teamster					
Group I	6/15	\$28.87	25	21	\$12.05
Group II	6/15	\$29.03	25	21	\$12.05
Group III	6/15	\$29.02	25	21	\$12.05
Group IV	6/15	\$29.14	25	21	\$12.05

Use Heavy Construction Rates on Highway and Heavy construction in accordance with the classifications of construction work established in 8 CSR 30-3.040(3).

Use Building Construction Rates on Building construction in accordance with the classifications of construction work established in 8 CSR 30-3.040(2).

If a worker is performing work on a heavy construction project within an occupational title that is not listed on the Heavy Construction Rate Sheet, use the rate for that occupational title as shown on the Building Construction Rate sheet.

**REPLACEMENT PAGE
BOONE COUNTY
OVERTIME SCHEDULE - HEAVY CONSTRUCTION**

FED: Minimum requirement per Fair Labor Standards Act means time and one-half (1 ½) shall be paid for all work in excess of forty (40) hours per work week.

NO. 2: Means a regular workweek shall be forty (40) hours and will start on Monday and end on Friday. The Employer shall have the option of working five 8-hour days or four 10-hour days Monday through Friday. If an Employer elects to work five 8-hour days during any workweek, hours worked more than eight (8) per day or 40 per week shall be paid at time and one-half the hourly rate Monday through Friday. If an Employer elects to work four 10-hour days in a week, work performed more than ten (10) hours per day or 40 hours per week shall be paid at time and one-half the hourly rate Monday through Friday. When working a five 8-hour day schedule and an Employer is prevented from working forty (40) hours Monday through Friday, or any part thereof, by reason of inclement weather, Saturday or any part thereof may be worked as a make-up day at the straight time rate. If an Employer is working a four 10-hour day schedule and loses a day due to inclement weather, he may work 10 hours Friday at straight time. All hours worked over the 40 hours Monday through Friday will be paid at 1 ½ overtime rate. A workday shift is to begin at the option of the Employer, between 6:00 a.m. and not later than 9:00 a.m. However, the project starting time may be advanced or delayed if required. If workmen are required to work the enumerated holidays or days observed as such or Sundays, they shall receive double (2) the regular rate of pay for such work. Overtime shall be computed at one-half (1/2) hour intervals. Shift: The Contractor may elect to work one, two or three shifts on any work. When operating on more than one shift, the shifts shall be known as the day shift, swing shift, and graveyard shift as such terms are recognized in the industry. When two shifts are worked on any operation, the shifts will consist of eight (8) or ten (10) hours exclusive of lunchtime. When three shifts are worked the first day or day shift will consist of eight (8) hours exclusive of lunchtime. The second or swing shift shall consist of seven and one-half (7 1/2) hours work for eight hours pay, exclusive of lunchtime, and the third or the graveyard shift shall consist of seven (7) hours work for eight (8) hours pay, exclusive of the lunchtime. All time in excess of normal shifts shall be considered overtime. Multiple shift (the two or three shift) operation will not be construed on the entire project if at anytime it is deemed advisable and necessary for the Employer to multiple shift a specific operation. However, no shift shall be started between midnight and six a.m. except the graveyard shift on a three-shift operation, or except in an unusual or emergency situation. If an Employer starts a shift between midnight and 6 a.m. except the graveyard shift on a three-shift operation, he shall reimburse all employees for the entire shift at the double time rate. Completion of the second shift on a two-shift operation or completion of the graveyard shift on a three-shift operation that carries over into Saturday morning, shall be at the straight time rate. Overtime shall be computed at ½ hour intervals.

NO. 9: Eight (8) hours shall constitute a work day between the hours of 7:00 a.m. and 4:30 p.m. Forty (40) hours within five (5) days, Monday through Friday inclusive, shall constitute the work week. Work performed in the 9th and 10th hour, Monday through Friday, shall be paid at time and one-half (1½) the regular straight time rate of pay. Contractor has the option to pay two (2) hours per day at the time and one-half (1½) the regular straight time rate of pay between the hours of 6:00 a.m. and 5:30 p.m., Monday through Friday. Worked performed in the first eight (8) hours on Saturday shall be paid at the rate of one and eight tenths (1.8) the regular straight time rate. Work performed outside these hours and on Sundays and recognized legal holidays, or days celebrated as such, shall be paid for at the rate of double (2) time.

NO. 21: Means the regular workday for which employees shall be compensated at straight time hourly rate of pay shall, unless otherwise provided for, begin at 8:00 a.m. and end at 4:30 p.m. However, the project starting time may be advanced or delayed at the discretion of the Employer. At the discretion of the Employer, when working a five (5) day eight (8) hour schedule, Saturday may be used for a make-up day. If an Employer is prohibited from working on a holiday, that employer may work the following Saturday at the straight time rate. However, the Employer may have the option to schedule his work from Monday through Thursday at ten (10) hours per day at the straight time rate of pay with all hours in excess of ten (10) hours in any one day to be paid at the applicable overtime rate. If the Employer elects to work from Monday through Thursday and is stopped due to circumstances beyond his control, he shall have the option to work Friday or Saturday at the straight time rate of pay to complete his forty (40) hours. If an Employer is prohibited from working on a holiday, that Employer may work the following Friday or Saturday at the straight time rate. Overtime will be at one and one-half (1½) times the regular rate. If workmen are required to work the enumerated holidays or days observed as such, or Sundays, they shall receive double (2) the regular rate of pay for such work.

**REPLACEMENT PAGE
BOONE COUNTY
OVERTIME SCHEDULE - HEAVY CONSTRUCTION**

NO. 23: Means the regular workweek shall start on Monday and end on Friday, except where the Employer elects to work Monday through Thursday, (10) hours per day. All work over ten (10) hours in a day or forty (40) hours in a week shall be at the overtime rate of one and one-half (1½) times the regular hourly rate. The regular workday shall be either eight (8) or ten (10) hours. If a job can't work forty (40) hours Monday through Friday because of inclement weather or other conditions beyond the control of the Employer, Friday or Saturday may be worked as a make-up day at straight time (if working 4-10's). Saturday may be worked as a make-up day at straight time (if working 5-8's). An Employer, who is working a four (4) ten (10) hour day work schedule may use Friday as a make-up day when a workday is lost due to a holiday. A workday is to begin at the option of the Employer but not later than 11:00 a.m. except when inclement weather, requirements of the owner or other conditions beyond the reasonable control of the Employer prevent work. Except as worked as a make-up day, time on Saturday shall be worked at one and one-half (1½) times the regular rate. Work performed on Sunday shall be paid at two (2) times the regular rate. Work performed on recognized holidays or days observed as such, shall also be paid at the double (2) time rate of pay. **For all overtime hours worked during the week or on Saturday \$14.55 of the fringe benefits portion of the prevailing wage shall be paid at time and one-half (1½). For all overtime hours worked on Sundays or recognized holidays \$14.55 of the fringe benefits portion of the prevailing wage shall be paid double time. The remaining \$.50 of the fringe benefit portion of the prevailing wage shall be paid at straight time.**

NO. 25: Means a regular work week of forty (40) hours, starting on Monday and ending on Friday. The regular work day shall be either eight (8) or ten (10) hours. If a crew is prevented from working forty (40) hours Monday through Friday, or any part thereof by reason of inclement weather, Saturday or any part thereof maybe worked as a make-up day at the straight time rate. Employees who are part of a regular crew on a make-up day, notwithstanding the fact that they may not have been employed the entire week, shall work Saturday at the straight time rate. A work day is to begin between 6:00 a.m. and 9:00 a.m. However, the project starting time maybe advanced or delayed if mutually agreed to by the interest parties. All hours worked on recognized holidays, or days observed as such, double (2) time shall be paid.

NO. 28: Means a regular work week of forty (40) hours will start on Monday and end on Friday. The regular work day shall be either eight (8) or ten (10) hours. If a crew is prevented from working forty (40) hours Monday through Friday, or any part thereof by reason of inclement weather, Saturday or any part thereof may be worked as a make-up day at the straight time rate. Employees who are part of a regular crew on a make-up day, notwithstanding the fact that they may not have been employed the entire week, shall work Saturday at the straight time rate. A workday is to begin between 6:00 a.m. and 9:00 a.m. However, the project starting time may be advanced or delayed if mutually agreed to by the interest parties. For all time worked on recognized holidays, or days observed as such, double (2) time shall be paid.

NO. 32: Means the overtime rate shall be time and one-half the regular rate for work over forty (40) hours per week. Sundays and Holidays shall be paid at double the straight time rate.

**BOONE COUNTY
HOLIDAY SCHEDULE – HEAVY CONSTRUCTION**

NO. 4: All work performed on New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Christmas Day, or observed as such, shall be paid at the double time rate of pay. When a Holiday falls on a Sunday, Monday shall be observed. No work shall be performed on Labor Day, except in case of jeopardy to life or property. This is applied to protect Labor Day.

NO. 5: The following days are recognized as holidays: New Year's Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day and Christmas Day. If a holiday falls on a Sunday, it shall be observed on the following Monday. If a holiday falls on a Saturday, it shall be observed on the preceding Friday. No work shall be performed on Labor Day except in case of jeopardy to work under construction. This rule is applied to protect Labor Day. When a holiday falls during the normal work week, Monday through Friday, it shall be counted as eight (8) hours toward a forty (40) hour week; however, no reimbursement for this eight (8) hours is to be paid the workman unless worked. If workmen are required to work the above recognized holidays or days observed as such, or Sundays, they shall receive double (2) the regular rate of pay for such work. The above shall apply to the four 10's Monday through Friday work week. The ten (10) hours shall be applied to the forty (40) hour work week.

NO. 12: All work performed on New Year's Day, Memorial Day, Fourth of July, Labor Day, Veteran's Day, Thanksgiving Day, Christmas Day, or days celebrated as such, shall be paid at the double time rate of pay. When one of the foregoing holidays falls on Sunday, it shall be celebrated on the following Monday. When one of the foregoing holidays falls on Saturday, it shall be celebrated on the Friday before the holiday.

NO. 16: The following days are recognized as holidays: New Year's Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day and Christmas Day. If a holiday falls on Sunday, it shall be observed on the following Monday. If a holiday falls on Saturday, it shall be observed on the preceding Friday. No work shall be performed on Labor Day except in case of jeopardy to work under construction. This rule is applied to protect Labor Day. When a holiday falls during the normal work week, Monday through Friday, it shall be counted as eight (8) hours toward the forty (40) hour week; however, no reimbursement for this eight (8) hours is to be paid to the worker unless worked. If workers are required to work the above recognized holidays or days observed as such, they shall receive double (2) the regular rate of pay for such work.

NO. 21: The following days are recognized as holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day. If a holiday falls on a Sunday, it shall be observed on the following Monday. No work shall be performed on Labor Day except in case of jeopardy to work under construction. This rule is applied to protect Labor Day. When a holiday falls during the normal work week, Monday through Friday, it shall be counted as eight (8) hours toward the forty (40) hour week; however, no reimbursement for this eight (8) hours is to be paid the workman unless worked. An Employer working a four (4) day, ten (10) hour schedule may use Friday as a make-up day when an observed holiday occurs during the work week. Employees have the option to work that make-up day. If workmen are required to work the above enumerated holidays, or days observed as such, they shall receive double (2) the regular rate of pay for such work.

NO. 27: The following days are recognized as holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day. If a holiday falls on a Sunday, it shall be observed on the following Monday. No work shall be performed on Labor Day except in case of jeopardy to work under construction. This rule is applied to protect Labor Day. When a holiday falls during the normal work week, Monday through Friday, it shall be counted as eight (8) hours toward the forty (40) hour week; however, no reimbursement for this eight (8) hours is to be paid the workmen unless worked. An Employer working a four (4) day, ten (10) hour schedule may use Friday as a make up day when an observed holiday occurs during the work week. Employees have the option to work that make up day. If workmen are required to work the above enumerated holidays, or days observed as such, they shall receive double (2) the regular rate of pay for such work.

NO. 31: All work performed on New Year's Day, Presidents' Day, Veterans' Day, Good Friday, Decoration Day, Fourth of July, Labor Day, Christmas Eve Day, Christmas Day, Thanksgiving Day and Day after Thanksgiving or days celebrated for the same.

AFFIDAVIT OF COMPLIANCE WITH THE PREVAILING WAGE LAW
(To be returned at end of project)

Before me, the undersigned Notary Public, in and for the County of _____

State of _____, personally came and appeared (name and title)

_____ of the (name of company)

_____ (a corporation) (a partnership) (a proprietorship)

and after being duly sworn did depose and say that all provisions and requirements set out in Chapter 290 Sections 290.210 through and including 290.340, Missouri Revised Statutes, pertaining to the payment of wages to workmen employed on public works projects have been fully satisfied and there has been no exception to the full and complete compliance with said provisions and requirements and with Wage Determination NO. _____ issued by the Division of Labor Standards on the _____ day of _____ 20____, in carrying out the Contract and work in connection with

(name of project) _____ located at

(name of institution) _____ in _____ County,

Missouri and completed on the _____ day of _____, 20_____.

Signature

Subscribed and sworn to me this _____ day of _____, 20_____.

My commission expires _____, 20_____.

Notary Public



“No Bid” Response Form

Boone County Purchasing
613 E. Ash, Room 110
Columbia, MO 65201

Melinda Bobbitt, Director of Purchasing
(573) 886-4391 – Fax: (573) 886-4390

“NO BID RESPONSE FORM”

NOTE: COMPLETE AND RETURN THIS FORM ONLY IF YOU DO NOT WANT TO SUBMIT A BID

If you do not wish to respond to this bid request, but would like to remain on the Boone County vendor list **for this service/commodity**, please remove form and return to the Purchasing Department by mail or fax.

If you would like to FAX this “No Bid” Response Form to our office, the FAX number is (573) 886-4390.

Bid: 77-10DEC15 – Radio Tower Erection at Battle School Project

Business Name: _____

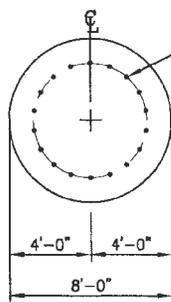
Address: _____

Telephone: _____

Contact: _____

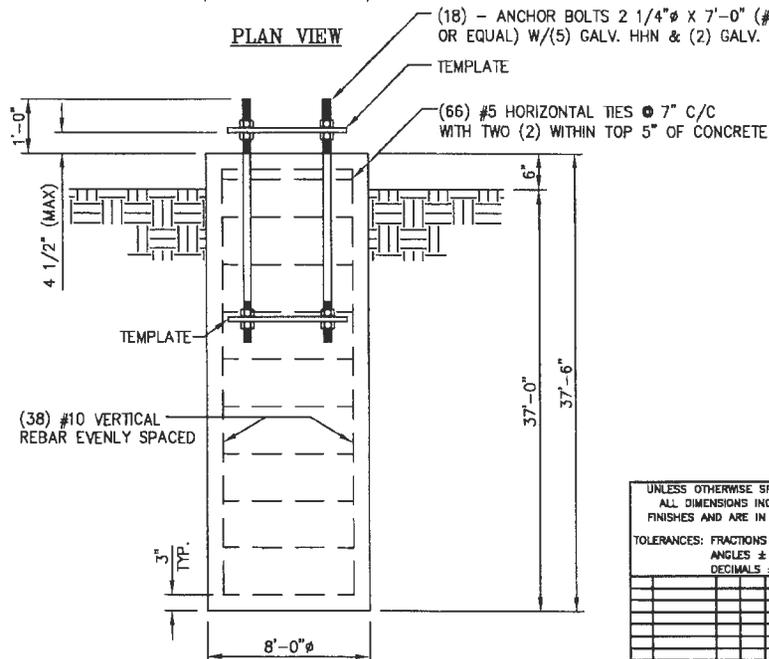
Date: _____

Reason(s) for not bidding:



(18) - ANCHOR BOLTS 2 1/4"φ X 7'-0"
 (#18J A615 GR. 75 OR EQUAL) ON A 66.5"φ B.C.

PLAN VIEW



(18) - ANCHOR BOLTS 2 1/4"φ X 7'-0" (#18J A615 GR. 75 OR EQUAL) W/(5) GALV. HHN & (2) GALV. FW. EACH AT TOP

TEMPLATE

(66) #5 HORIZONTAL TIES @ 7" C/C WITH TWO (2) WITHIN TOP 5" OF CONCRETE

TEMPLATE

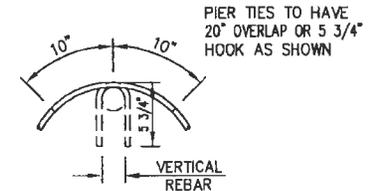
(38) #10 VERTICAL REBAR EVENLY SPACED

ELEVATION VIEW

REINFORCING STEEL SCHEDULE

LOCATION	NO REQ'D.	BAR SPC'G.	SIZE	CUT LGTH	TOTAL LGTH	TOTAL WT.	SHAPE
PIER VERTICAL REINFORCING	38	NOTED ON DWG.	#10	37'-0"	1406'-0"	6050 LBS.	STRAIGHT
PIER TIES	66	NOTED ON DWG.	#5	25'-2"	1661'-0"	1732 LBS.	
TOTAL REBAR WT.						7782 LBS.	

TOP & BOTTOM TEMPLATES
 PART NO.: 130727-9001



PIER TIES TO HAVE 20" OVERLAP OR 5 3/4" HOOK AS SHOWN

PIER TIE HOOK DETAIL

GENERAL NOTES:

- ALL ANCHOR BOLTS AND VERTICAL REINFORCING BARS ARE TO BE SECURELY TIED BEFORE CONCRETE IS PLACED SO THEY WILL REMAIN PARALLEL TO THE CENTERLINE OF THE PIER.
- THE GROUND ELEVATION SHALL BE A MAXIMUM OF 6" BELOW THE TOP OF THE PIER.
- ALL EXPOSED CONCRETE CORNERS ARE TO BE CHAMFERED 3/4 INCH.
- ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60 DEFORMED BARS.
- CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4000 PSI, IN ACCORDANCE WITH ACI 318-05.
- REINFORCING STEEL TO HAVE A 3" MINIMUM CONCRETE COVER.
- FOUNDATION DESIGN IS BASED ON THE GEOTECHNICAL REPORT BY CROCKETT, PROJECT NO. G15046, DATED JULY 20, 2015.
- ANCHOR BOLTS 2 1/4"φ X 7'-0" (#18J A615 GR. 75 OR EQUAL) ON A 66.5"φ BOLT CIRCLE (18 REQ'D).
- CONCRETE REQUIRED 69.81 CUBIC YARDS.
- SEE THE GEOTECHNICAL REPORT FOR DRILLED PIER INSTALLATION REQUIREMENTS, IF SPECIFIED.
- THE FOUNDATION IS BASED ON THE FOLLOWING FACTORED LOADS:
 MOMENT (KIP-FT) = 6107.2
 AXIAL (KIPS) = 63.28
 SHEAR (KIPS) = 48.63

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS INCLUDE FINISHES AND ARE IN INCHES		MATERIAL:	
TOLERANCES: FRACTIONS ± 1/16"		TOLERANCES DO NOT APPLY TO RAW MATERIAL	
ANGLES ± 1/2 DEG.			
DECIMALS ± .010"			
REV	DATE	DRW/CHK	DESCRIPTION
1	11/9/15	DLK/WJ	REVISED POLE HEIGHT AND NOTE 11

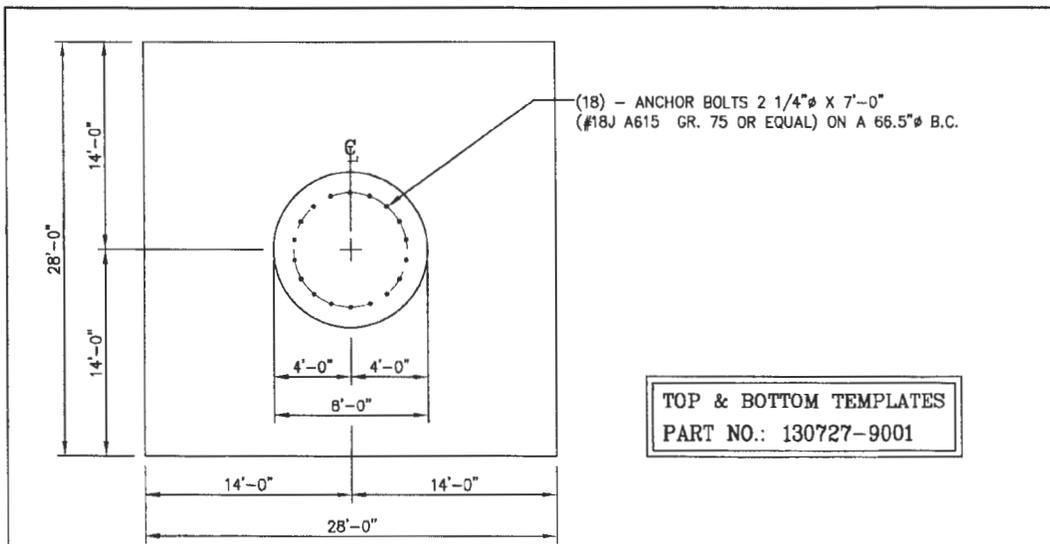
Sabre Industries
 Towers and Poles

CONFIDENTIAL

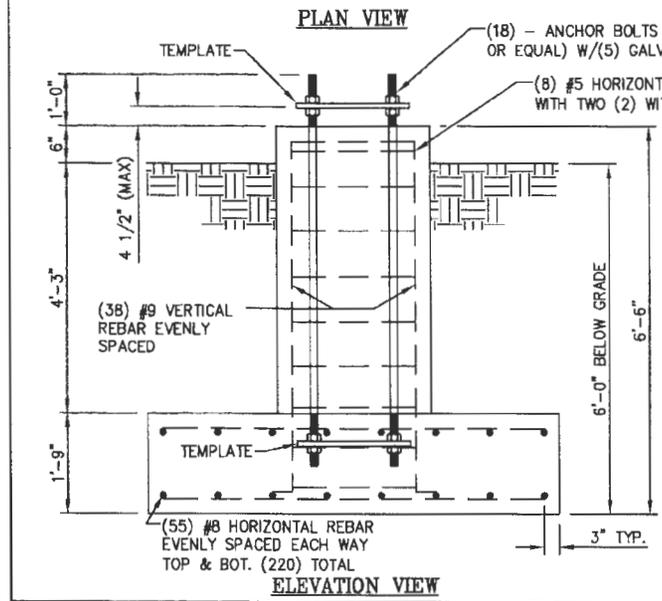
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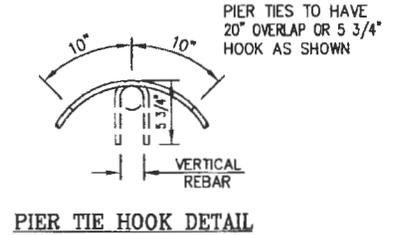
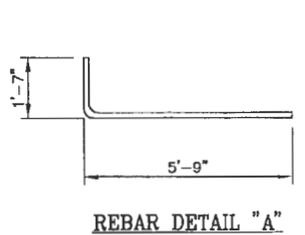
BOONE COUNTY BATTLE SCHOOL, MO 171.00 MONOPOLE			
JOB NO. 130727	SIZE B	DRAWING NO. 130727-F1	REV 1
DATE 10/27/15	DRAWN BY DLK	CHECKED BY WJ	SCALE None
		PAGE 1 OF 1	



TOP & BOTTOM TEMPLATES
PART NO.: 130727-9001



REINFORCING STEEL SCHEDULE							
LOCATION	NO REQ'D	BAR SPC'G.	SIZE	CUT LGTH	TOTAL LGTH	TOTAL WT.	SHAPE
PAD HORIZONTAL REINFORCING	220	NOTED ON DWG.	#8	27'-6"	6050'-0"	16154 LBS.	STRAIGHT
PIER VERTICAL REINFORCING	38	NOTED ON DWG.	#9	7'-4"	278'-8"	947 LBS.	SEE REBAR DETAIL
PIER TIES	8	NOTED ON DWG.	#5	25'-2"	201'-4"	210 LBS.	
TOTAL REBAR WT.						17311 LBS.	



- GENERAL NOTES:**
- ALL ANCHOR BOLTS AND VERTICAL REINFORCING BARS ARE TO BE SECURELY TIED BEFORE CONCRETE IS PLACED SO THEY WILL REMAIN PARALLEL TO THE CENTERLINE OF THE PIER.
 - THE GROUND ELEVATION SHALL BE A MAXIMUM OF 6" BELOW THE TOP OF THE PIER.
 - ALL EXPOSED CONCRETE CORNERS ARE TO BE CHAMFERED 3/4" INCH.
 - ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60 DEFORMED BARS.
 - CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4500 PSI, IN ACCORDANCE WITH ACI 318-05.
 - REINFORCING STEEL TO HAVE A 3" MINIMUM CONCRETE COVER.
 - FOUNDATION DESIGN IS BASED ON THE GEOTECHNICAL REPORT BY CROCKETT, PROJECT NO. G15046, DATED JULY 20, 2015.
 - ANCHOR BOLTS 2 1/4" ϕ X 7'-0" (#18J A615 GR. 75 OR EQUAL) ON A 66.5" ϕ BOLT CIRCLE (18 REQ'D).
 - CONCRETE REQUIRED 59.66 CUBIC YARDS.
 - SEE THE GEOTECHNICAL REPORT FOR COMPACTION REQUIREMENTS, IF SPECIFIED.
 - THE FOUNDATION IS BASED ON THE FOLLOWING FACTORED LOADS:
MOMENT (KIP-FT) = 6107.2
AXIAL (KIPS) = 63.28
SHEAR (KIPS) = 48.63
 - 4.25 FT OF SOIL COVER IS REQUIRED OVER THE ENTIRE AREA OF THE FOUNDATION SLAB.

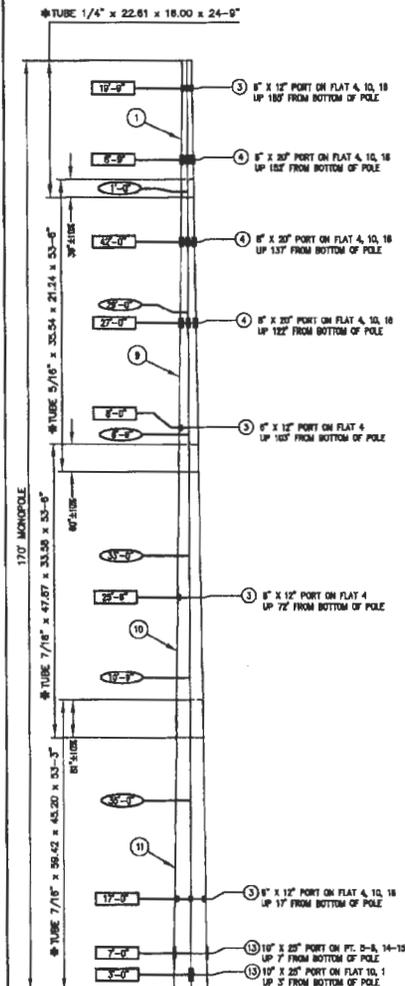
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS INCLUDE FINISHES AND ARE IN INCHES	MATERIAL:
TOLERANCES: FRACTIONS $\pm 1/16"$ ANGLES $\pm 1/2$ DEG. DECIMALS $\pm .010"$	TOLERANCES DO NOT APPLY TO RAW MATERIAL
1 11/9/15 DLK WJ REVISED POLE HEIGHT AND NOTE 11	
REV DATE DRWCHK DESCRIPTION	

Sabre Industries
Towers and Poles

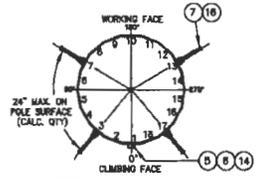
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BOONE COUNTY BATTLE SCHOOL, MO 171.00 MONOPOLE			
JOB NO. 130727	SIZE B	DRAWING NO. 130727-F2	REV 1
DATE 10/27/15	DRAWN BY DLK	CHECKED BY WJ	SCALE None
			PAGE 1 OF 1

= BOTTOM OF SECTION TO STAND OFF BRACKET
 = C-LINE OF BUSS BAR LUG

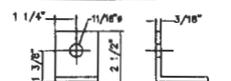
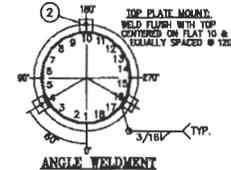
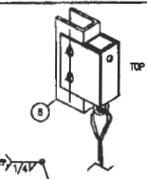
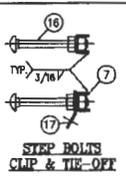


80° (PLAT) (9-4)
 0° (PLAT) (1)
 270° (PLAT) (14-15)
POLE ELEVATION

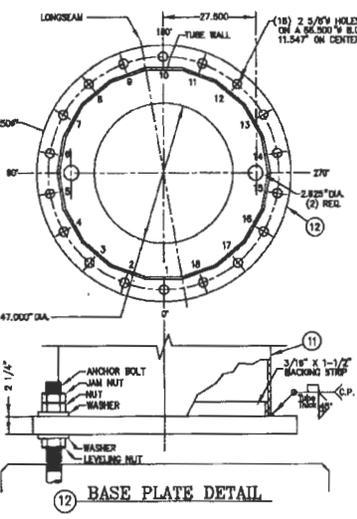
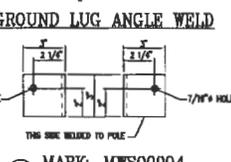
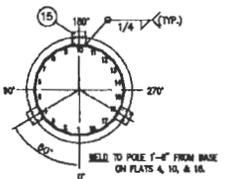
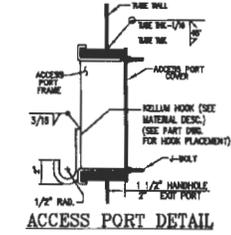


• CLIMBING SYSTEM IS CENTERED ON FACE 1 STARTING AT 15° BELOW TOP TO 10'-0" FROM BASE WITH 10" ALTERNATE SPACING.
 • WORKING STEP CLIPS ARE PLACED AT THE NEAREST CLIMBING STEP LEVEL DOWN 72" FROM THE APPURTENANCE CENTER LINE SPACED ON THE CIRCUMFERENCE AT A DISTANCE NOT TO EXCEED 24" ON CENTER.
 • SAFETY CLIMB SYSTEM IS CENTERED ON FACE 1.
 • TOP STAND OFF BRACKET IS 12" FROM THE TOP.
 • INTERMEDIATE STAND OFF BRACKETS ARE SPACED AT 27" MAX.
 • BOTTOM STAND OFF BRACKET IS 10'-0" FROM THE BASE.

CLIMBING AND SAFETY DETAILS



SAFETY CLIMB HOOK:
 BOTTOM SAFETY CLIMB BRACKET MUST HAVE BUSHING BUSHED FROM SIDE HOLE FOR USE WITH SAFETY CLIMB SET FOOTWEAR.

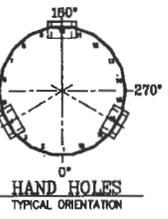


18-SPEED POLE		BILL OF MATERIAL		TAPER- 2572 IN/FT	
ITEM	QTY	MARK NO.	DESCRIPTION	NATURAL WEIGHT	ASSEMBLY WEIGHT
1	1	130727-0110	TUBE 1/2" x 22.61 x 18.00 x 24'-0"	A-572-85	1272
2	3	MWS00000	ANGLE 3/8" x 2 1/2" x 2 1/2" LONG	A-36	3
3	3	C30138101	Access Part (6" x 12" x 3-1/2" x 5/8") with 2 ballers heads	A-300-C	88
4	3	C30138128	Access Part (6" x 30" x 4" x 5/8") with 2 ballers heads	A-300-C	119
5	3	MWS00001	TOP STAND OFF SAFETY BRACKET	A-36	1
6	3	MWS00002	MIDDLE STAND OFF SAFETY BRACKET	A-36	1
7	25	TBS00001	STEP BOLT CLIP	A-36	6
8	4	C30099001	1"-8 HEAVY HEX JACKING NUT (BLACK)	A-363	1
ASSEMBLY WEIGHT: 1473					

8	1	130727-0120	TUBE 5/8" x 30.54 x 21.34 x 33'-0"	A-572-85	2079
9	3	C30138101	Access Part (6" x 12" x 3-1/2" x 5/8") with 2 ballers heads	A-300-C	25
10	3	C30138128	Access Part (6" x 30" x 4" x 5/8") with 2 ballers heads	A-300-C	208
11	3	MWS00002	MIDDLE STAND OFF SAFETY BRACKET	A-36	2
12	52	TBS00001	STEP BOLT CLIP	A-36	16
13	2	C30099001	1"-8 HEAVY HEX JACKING NUT (BLACK)	A-363	1
ASSEMBLY WEIGHT: 5301					

10	1	130727-0130	TUBE 7/8" x 47.87 x 33.88 x 83'-0"	A-572-85	10194
11	3	C30138101	Access Part (6" x 12" x 3-1/2" x 5/8") with 2 ballers heads	A-300-C	22
12	3	MWS00002	MIDDLE STAND OFF SAFETY BRACKET	A-36	2
13	46	TBS00001	STEP BOLT CLIP	A-36	14
14	3	C30099001	1"-8 HEAVY HEX JACKING NUT (BLACK)	A-363	1
ASSEMBLY WEIGHT: 10224					

SHIP LOADS MISC.		SHIP WEIGHT		STRUCTURE WEIGHT	
ITEM	QTY	MARK NO.	DESCRIPTION	NATURAL WEIGHT	ASSEMBLY WEIGHT
18	181	C30040002	5/8"-11 X 7" STEP BOLT (GALV)	A-307	178
17	2	C30071001	STEP BOLT ANCHOR BRACKET	A-36	1
16	2	C30138102	6.5" x 12.5" x 0.875" ACCESS COVER (GALV)	A-36	38
15	9	C30138103	6.5" x 20.5" x 0.875" ACCESS COVER (GALV)	A-36	80
14	4	C30138104	11.0" x 28.5" x 0.875" ACCESS COVER (GALV)	A-36	80
13	1	C30071001	TOP COVER KIT 1/2" TO 1"	A-36	38
12	1	C30040004	SAFETY-CLIMB-SYSTEM-SOLET-NET 200'	A-36	72
11	1	C30008001	130E CAN OF OILY GALV SPRAY	A-36	1
10	1	C3000000	NAME PLATE	A-36	1
ASSEMBLY WEIGHT: 14813 STRUCTURE WEIGHT: 36800					



REFER TO DRAWING FOR MONOPOLE LONGSPAN WELD DETAILS

ACCESS POINT DATA TABLE						
ITEM NUMBER	SIZE	HEIGHT	DEPTH	THICK	NATURAL WT	
3	C30138101	6"	12"	3 1/2"	5/8"	A-300-C
4	C30138128	6"	30"	4"	5/8"	A-300-C
13	C30138103	10 1/2"	25 1/2"	4"	3/4"	A-372-85

UNLESS OTHERWISE SPECIFIED		MATERIAL:	
ALL DIMENSIONS INCLUDE FINISHES AND ARE IN INCHES		TOLERANCES DO NOT APPLY TO RAW MATERIAL.	
TOLERANCES FRACTIONS & 1/16"	ANGLES & 1/2 DEG.		
DECIMALS & .010"			
DATE	DRAWN	DESCRIPTION	

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BOONE COUNTY
 Battle School, MO
 171.00 MONOPOLE

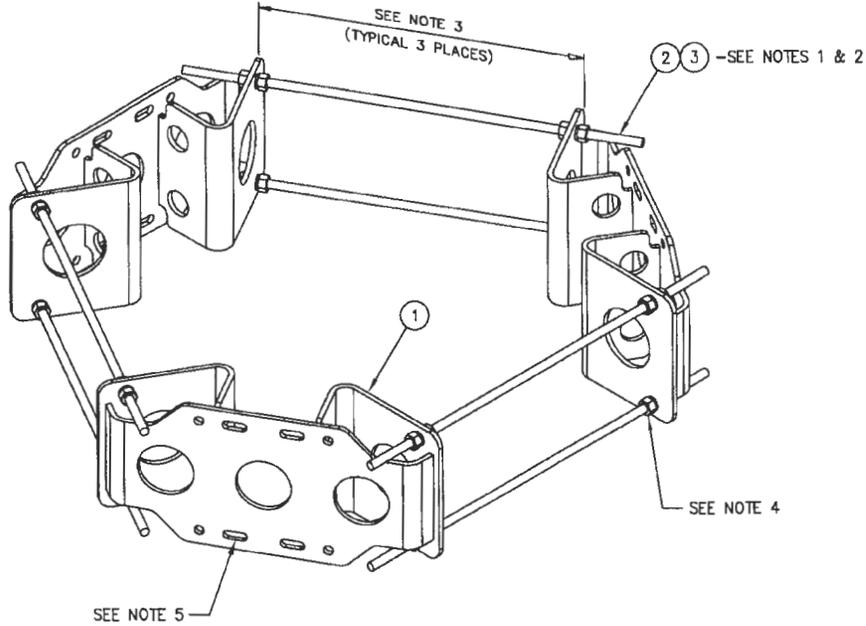
JOB	130727	SIZE	B	DRAWING NO.	130727-01	REV	1
DATE	27Oct16	DRAWN BY	DLK	CHECKED BY	WJ	SCALE	N.T.S.
PAGE	1	PAGE		1			

NOTE:
 * DEMONSTRATES CHANGES TO THE SECTION.
 SEE POLE ELEVATION FOR SECTIONS AFFECTED.



C10112300 TRI-COLLAR ASSEMBLY (10"-40" MONOPOLE)

ITEM	QTY.	PART. NO.	DESCRIPTION	WEIGHT
1.	3	CW00835	WELDMENT, TRI-COLLAR (10"-40" MONOPOLE)	151
2.	6	C40094012	THREADED ROD ASSEMBLY 5/8 X 2'-9"	25
3.	6	C40094002	THREADED ROD ASSEMBLY 5/8 X 1'-6"	17
TOTAL WEIGHT				193



ISOMETRIC VIEW

NOTES:

1. THERE ARE (2) LENGTHS OF THREADED ROD SUPPLIED TO ACCOMMODATE DIAMETERS LISTED BELOW
 USE 5/8 X 1'-6" THREADED ROD ASSEMBLY FOR 10"-24" MONOPOLE DIAMETERS
 USE 5/8 X 2'-9" THREADED ROD ASSEMBLY FOR 24"-40" MONOPOLE DIAMETERS (SEE NOTE 2)
2. THREADED ROD MAY BE SHORTENED IF REQUIRED, FIELD CUT AND COLD GALV SPRAY TO SUIT.
3. THIS DISTANCE MUST BE EQUAL IN ALL (3) THREE LOCATIONS TO ENSURE THE STRUCTURAL INTEGRITY OF THE THREADED RODS AS WELL AS 120° SEPARATION.
4. FOR MONOPOLES 13" DIA. OR SMALLER, ONLY (1) ONE NUT AND (1) ONE LOCKWASHER ARE REQUIRED BETWEEN THE TRI-COLLAR BRACKETS.
 FOR MONOPOLES LARGER THAN 13" DIA., (2) TWO NUTS AND (2) TWO LOCKWASHERS ARE REQUIRED BETWEEN THE TRI-COLLAR BRACKETS.
5. THE MOUNTING SLOTS NOTED WILL ACCOMMODATE 2 3/8"-4 1/2" O.D. MOUNTING PIPES.

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS INCLUDE FINISHES AND ARE IN INCHES		MATERIAL:	
TOLERANCES: FRACTIONS ± 1/16" ANGLES ± 1/2 DEG. DECIMALS ± .010"		TOLERANCES DO NOT APPLY TO RAW MATERIAL	
REV	DATE	DRW/CHK	DESCRIPTION
2	8/11/10	MLC	DIVIDED THREADED 5/8 X 1'-6" THREADED ROD
1	7/8/10	MLC	MLC (M.C.) REDRAWN IN AUTOCAD

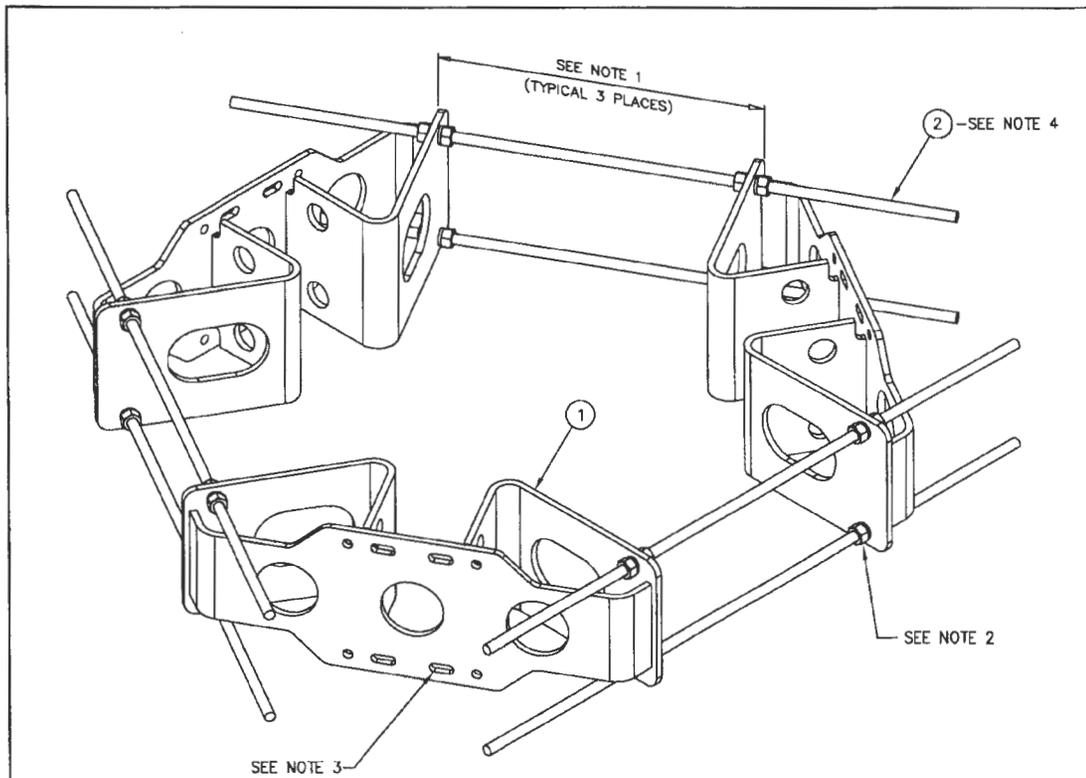
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TRI-COLLAR BRACKET ASSEMBLY FOR MONOPOLES (10"-40" DIA.) (CIRCUMFERENCE 31.4" TO 125.7")			
DATE	8/21/09	SIZE	B
DRAWN BY	JV	DRAWING NO.	C10112300
CHECKED BY	MLC	SCALE	None
		REV	2
		PAGE	1 OF 1



C10112301 TRI-COLLAR ASSEMBLY (12"-60" MONOPOLE)				
ITEM	QTY.	PART. NO.	DESCRIPTION	WEIGHT
1.	3	CW00843	WELDMENT, TRI-COLLAR (12"-60" MONOPOLE)	294
2.	6	C40094010	THREADED ROD ASSEMBLY 3/4 X 4'-4"	36
TOTAL WEIGHT				330



NOTES:

1. THIS DISTANCE MUST BE EQUAL IN ALL (3) THREE LOCATIONS TO ENSURE THE STRUCTURAL INTEGRITY OF THE THREADED RODS AS WELL AS 120° SEPARATION.
2. FOR MONOPOLES 13" DIA. OR SMALLER, ONLY (1) ONE NUT AND (1) ONE LOCKWASHER ARE REQUIRED BETWEEN THE TRI-COLLAR BRACKETS.
FOR MONOPOLES LARGER THAN 13" DIA., (2) TWO NUTS AND (2) TWO LOCKWASHERS ARE REQUIRED BETWEEN THE TRI-COLLAR BRACKETS.
3. THE MOUNTING SLOTS NOTED WILL ACCOMMODATE 2 3/8"-4 1/2" O.D. MOUNTING PIPES.
4. THREADED ROD MAY BE SHORTENED IF REQUIRED, FIELD CUT AND COLD GALV SPRAY TO SUIT.

ISOMETRIC VIEW

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS INCLUDE FINISHES AND ARE IN INCHES		MATERIAL:	
TOLERANCES: FRACTIONS ± 1/16" ANGLES ± 1/2 DEG. DECIMALS ± .010"		TOLERANCES DO NOT APPLY TO RAW MATERIAL	
REV	DATE	DRW/CHK	DESCRIPTION
1	1/28/10	MLC/MLC	RE-DRAWN IN AUTOCAD



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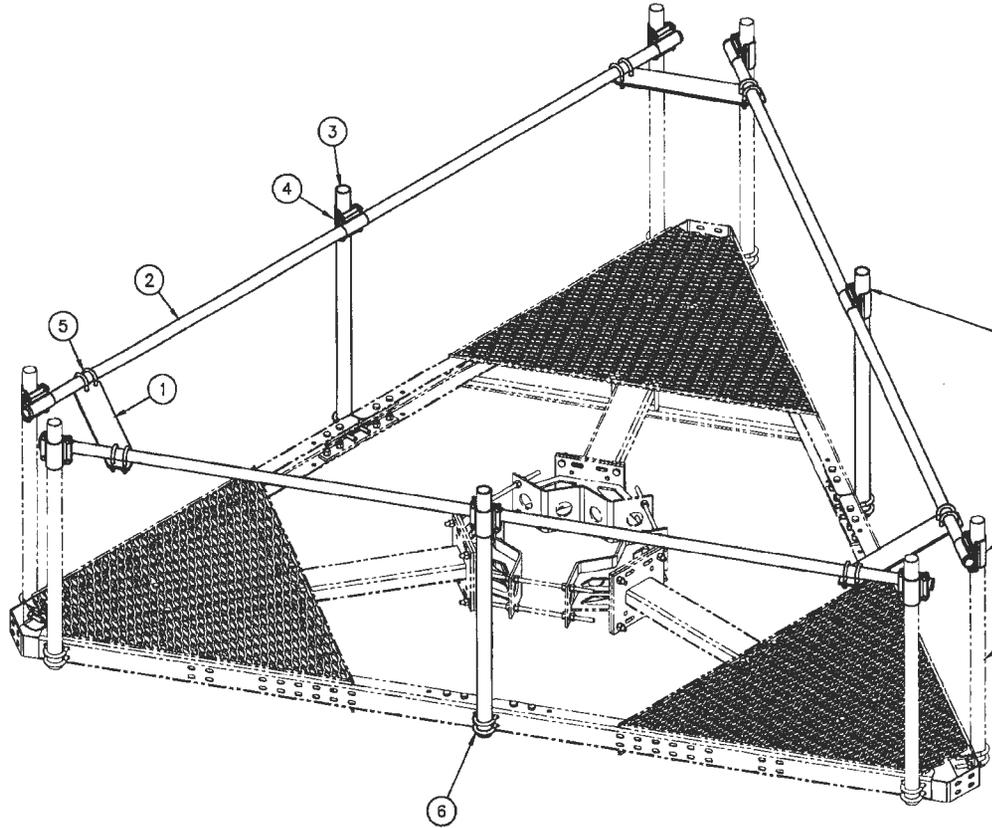
**TRI-COLLAR BRACKET ASSEMBLY
FOR MONOPOLES (12"-60" DIA.)
(CIRCUMFERENCE 37.7" TO 188.5")**

DATE	8/21/09	SIZE	B	DRAWING NO.	C10112301	REV	1
DRAWN BY	JV	SCALE	None	PAGE	1 OF 1		
CHECKED BY	MLC						



C10116813 12' LOW PROFILE PLATFORM HANDRAIL KIT

ITEM	QTY.	PART NO.	DESCRIPTION	WEIGHT
1.	3	CS01533	PLATE, HANDRAIL SUPPORT	38#
2.	3	CS02229	PIPE, 1.90" O.D. (.145" WALL) X 12'-6"	106#
3.	3	C10981204	PIPE, 2 3/8" O.D. (.134" WALL) X 4'-0"	38#
4.	12	C40204100	CROSSOVER CLAMP (1.90" O.D. TO 2 3/8" O.D.)	48#
5.	12	C40034060	U-BOLT ASSEMBLY, 1/2" Ø X 2 9/16" C/C	9#
6.	6	C40034023	U-BOLT ASSEMBLY, 5/8" Ø X 3 1/16" C/C	10#
TOTAL WEIGHT				249#



THIS PIPE MAY BE REPLACED WITH A LONGER PIPE IF NEEDED FOR ANTENNA MOUNTING (NOT REQ'D WITH 3 OR MORE MOUNTING PIPES PER FACE)

THERE ARE ENOUGH CLAMPS SUPPLIED TO ACCOMMODATE (12) ANTENNA MOUNTING PIPES - (4) PER FACE

ANTENNA MOUNTING PIPES TO BE PURCHASED SEPARATELY

ISOMETRIC VIEW

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS INCLUDE FINISHES AND ARE IN INCHES		MATERIAL:	
TOLERANCES: FRACTIONS ± 1/16" ANGLES ± 1/2 DEG. DECIMALS ± .010"		TOLERANCES DO NOT APPLY TO RAW MATERIAL	
REV	DATE	DRW/CHK	DESCRIPTION
5	5/27/11	MLC/MC	QUANTITY WAS CHANGED (CIC PER REQUEST)
4	3/4/09	MLC/MC	REVISION QUANTITY FOR ITEM 4
3	7/5/08	MLC/MC	REVISION PIPE (ITEM 3)
2	8/5/08	MLC/MC	REVISION ITEM 4
1	10/11/07	MLC/MC	REVISION PLATFORM DESIGN

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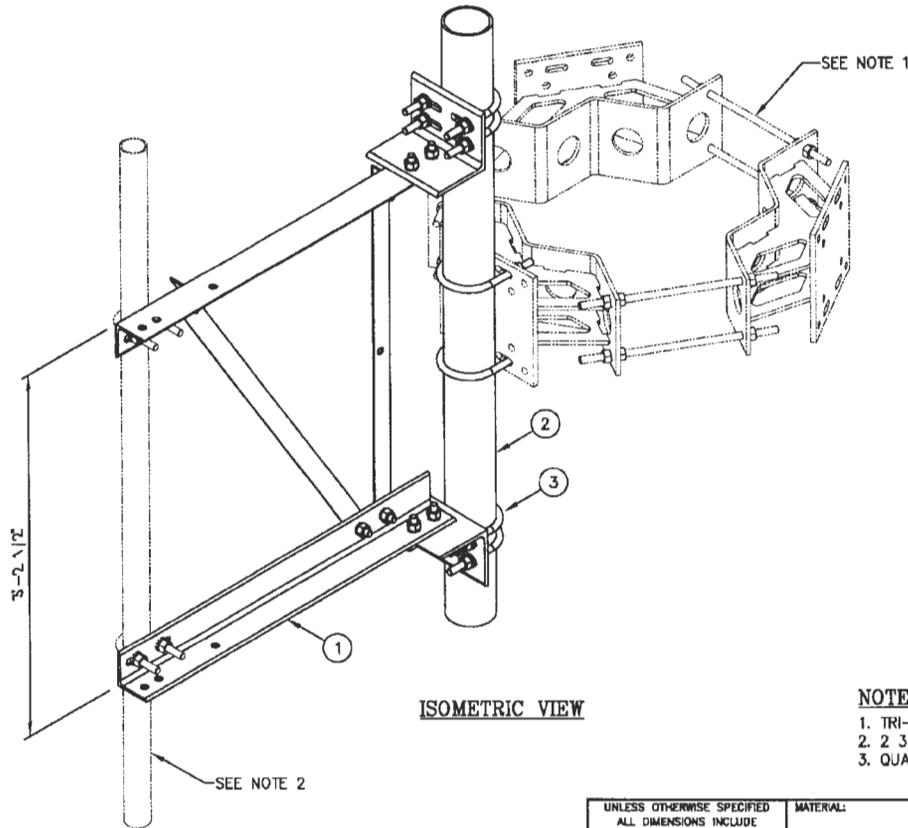
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12' LOW PROFILE PLATFORM HANDRAIL KIT (12'-0" MAXIMUM ANTENNA SEPARATION)			
DATE	7/31/07	SIZE	B
DRAWN BY	MLC	DRAWING NO.	C10116813
CHECKED BY	MC	SCALE	None
		PAGE	1 OF 1
		REV	5

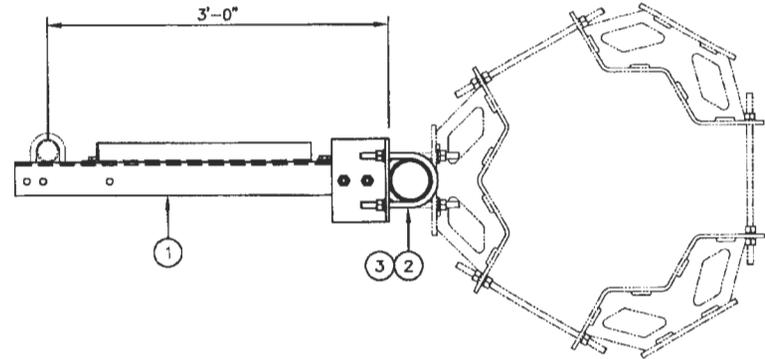


C10119103 3 FT. SIDEARM FOR MONOPOLE

ITEM	QTY.	PART NO.	DESCRIPTION	WEIGHT
1.	1	C10151103	3 FT. SIDEARM KIT	82
2.	1	C10981405	PIPE, 4 1/2" Ø X .180 X 5'-3"	44
3.	6	C40034032	U-BOLT ASSEMBLY, 5/8" Ø X 5 3/16" C-C	17
TOTAL WEIGHT				143



ISOMETRIC VIEW



PLAN VIEW

NOTES:

1. TRI-COLLAR MOUNTS ARE SHOWN TYPICAL AND MUST BE ORDERED SEPARATELY.
2. 2 3/8" THRU 4" O.D. MOUNTING PIPE & U-BOLTS MUST BE PURCHASED SEPARATELY.
3. QUANTITIES SHOWN ARE FOR ONE (1) SIDEARM ONLY.

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS INCLUDE FINISHES AND ARE IN INCHES		MATERIAL:
TOLERANCES: FRACTIONS ± 1/16" ANGLES ± 1/2 DEG. DECIMALS ± .010"		TOLERANCES DO NOT APPLY TO RAW MATERIAL
REV	DATE	DESCRIPTION
3	11/14/08	MJC/LMC REVISED PIPE (ITEM 2)
2	11/10/08	BRP/AMN ADDED ISOMETRIC VIEW
1	01/22/08	MJC/LMC UPDATED DRAWING

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3 FT. SIDEARM FOR MONOPOLE
(FOR MTG. PIPES 2 3/8" O.D. THRU 4" O.D.)

DATE	01/05/06	SIZE	B	DRAWING NO.	C10119103	REV	3
DRAWN BY	JKW	SCALE	None	PAGE		1 OF 1	
CHECKED BY	WJ						



C10151103 3 FT. SIDEARM ASSEMBLY

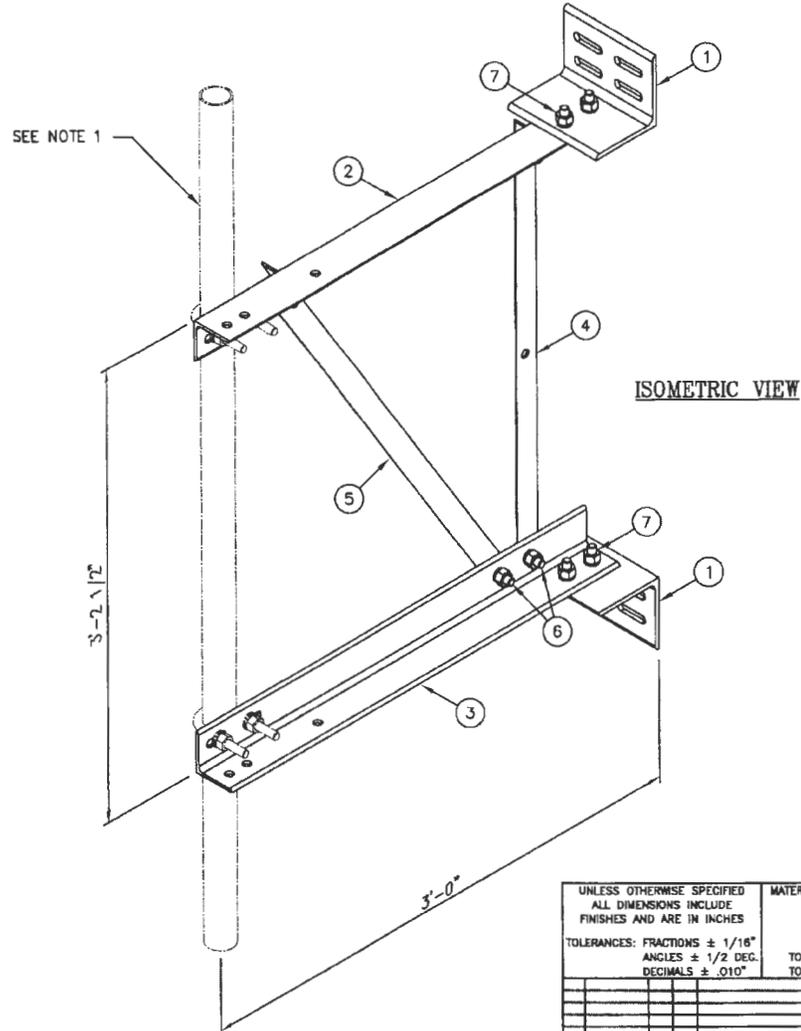
(1)	CK00060	SIDEARM ANGLE KIT	78
(1)	---	MISC HARDWARE (FRAMING)	4
TOTAL WEIGHT			82

CK00060 KIT LIST OF MATERIAL

ITEM	QTY.	PART NO.	DESCRIPTION	WEIGHT
1.	2	CS00067	ANGLE, BOOM SUPPORT	23
2.	1	CS01223	ANGLE, TOP CHORD	19
3.	1	CS01224	ANGLE, BOTTOM CHORD	19
4.	1	CS00065	ANGLE, VERTICAL	8
5.	1	CS01228	ANGLE, DIAGONAL	9
TOTAL WEIGHT				78

MISC HARDWARE (FRAMING)

ITEM	QTY.	PART NO.	DESCRIPTION	WEIGHT
6.	4	C40026022	BOLT ASSEMBLY, 5/8 ϕ X 1 3/4 A325	2
7.	4	C40026023	BOLT ASSEMBLY, 5/8 ϕ X 2 A325	2
TOTAL WEIGHT				4



NOTES:

1. 2 3/8" O.D. THRU 4" O.D. MOUNTING PIPE & U-BOLTS MUST BE PURCHASED SEPARATELY.
2. QUANTITIES SHOWN ARE FOR ONE (1) SIDEARM ONLY.

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS INCLUDE FINISHES AND ARE IN INCHES		MATERIAL:	
TOLERANCES: FRACTIONS $\pm 1/16$ " ANGLES $\pm 1/2$ DEG. DECIMALS $\pm .010$ "		TOLERANCES DO NOT APPLY TO RAW MATERIAL	
REV	DATE	DRW/CHK	DESCRIPTION
1	11/10/08	WRP/RHM	ADDED ISOMETRIC VIEW

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3 FT. SIDEARM
(FOR MTG. PIPES 2 3/8" O.D. THRU 4" O.D.)

DATE	12/16/05	SIZE	B	DRAWING NO.	C10151103	REV	1
DRAWN BY	RWM	SCALE	None	PAGE	1	OF	1
CHECKED BY	MWR						



CUSTOMER: **BOONE COUNTY**
 SITE: **Battle School, MO**
 SITE NO:
 DESC: **171.00 ft. WIRELESS MONOPOLE**
 P.O. NO:

1

PC=PIECE OR=ORANGE
 PLT=PALLET WH=WHITE
 BDL=BUNDLE O/W=OR & WH
 CRT=CRATE B=BARE
 D=DRUM N/R=NOT REQ'D
 BOX=BOX SP=SPECIAL

PACKING

Item	Qty	DRAWING		Part No.	Description	Total Weight	FINISH	Qty/ PKG'S	Qty of PKG'S	PKG. NO.
		NUMBER	REV.							
POLE SECTIONS										
1	1			MR1307270110	24'-9	Top Section	1543	G		
2	1			MR1307270120	53'-6	Top Mid Section	5653	G		
3	1			MR1307270130	53'-6	Bottom Mid Section	10834	G		
4	1			MR1307270140	53'-3	Bottom Section w/ Base	15680	G		
						TOTAL POLE SHAFT WEIGHT:	33,710	lbs		
ANCHOR BOLTS & TEMPLATES										
5	18			C40041007	2-1/4" X 7'-0"	(ASTM A615 GRADE 75) OR EQUAL	2239	G		
6	2			130727-9001	ANCHOR BOLT TEMPLATES (w/ 66.5" Bolt Circle)		206	Black		
MISCELLANEOUS ITEMS										
7	161			C40044002	5/8"-11 X 7" STEP BOLT (GALV)		178	A-307		
8	7			C40011001	STEP BOLT ANCHOR BRACKET		1	A-36		
9	8			C30136002	6.5" X 12.5" X 0.1875PL ACCESS COVER (GALV)		38	A-36		
10	9			C30136021	8.5" X 20.5" X 0.1875PL ACCESS COVER (GALV)		90	A-36		
11	4			C30136001	11.0" X 26.0" X 0.1875PL ACCESS COVER (GALV)		60	A-36		
12	1			C30170011	TOP COVER KIT 12" TO 16"		39	A-36		
13	1			C40068001	13OZ CAN OF COLD GALV SPRAY		1	--		
14	1			CS00500	NAME PLATE		1	--		

REV	DATE	DRF	CHK	DESCRIPTION
1	11/9/15	DLK	WJ	CHANGED POLE HEIGHT AND DESIGN

DATE: **27-Oct-15** JOB NO: **130727**
 DRAWN BY: **DLK** DRAW NO: **BOM-1**
 CHK'D BY: **WJ** PAGE: **1 of 2**

ELECTRICAL SYMBOL SCHEDULE

	HOME RUN CIRCUIT TO PANEL P1, CIRCUITS 2,3,4
	SINGLE ARROW INDICATES ONE CIRCUIT
	SHORT CIRCUIT WIRES INDICATE # OF PHASE CONDUCTORS
	LONG WIRES INDICATE # OF NEUTRAL CONDUCTORS
	NO WIRES INDICATES TWO CONDUCTORS
	ELECTRICAL SERVICE OR TICKER WIRING
	WIRING IN WALL OR CEILING - WORKS IN FLOOR
	RECEPTACLE OUTLET (DUPLEX - QUADRUPLEX - SPLIT WIRED - SPECIAL POWER)
	COMMUNICATIONS OUTLET (TELEPHONE - GPO - DATA/PHONE)
	WALL SWITCH SINGLE POLE (3-WAY - DIMMER - 4-WAY - PILOT - SPEED - KEYED - TIMER)
	NONRECURRENT OR HD LIGHT FIXTURE (CEILING MOUNTED - WALL MOUNTED)
	FLUORESCENT LIGHT FIXTURE (ENCLOSED - STRIP) (S INDICATES SPLIT WIRES)
	EXIT LIGHT - EMERGENCY LIGHT - EMERGENCY/EVICT LIGHT
	CLOCK RECEPTACLE
	ELECTRIC PANEL
	SPEAKER - PUSH TO TALK
	JUNCTION BOX - PULL BOX
	DISCONNECT (FUSED - NONFUSED)
	CHAFFER
	OUTLET (MOUNT HEIGHT INCHES - UN PROTECTED - WEATHER PROOF GPO)

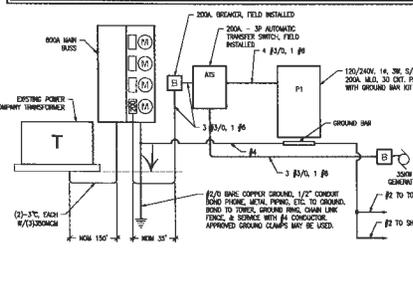
MECHANICAL SYMBOL SCHEDULE

	GAS PIPING
	PIPE FITTINGS (ALL DOWN - TIE DOWN - TIE UP)
	VALVE
	CHECK VALVE
	UNION
	STRAINER
	GAS CLOCK
	BALANCING COCK

P1

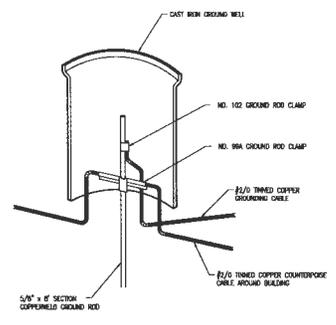
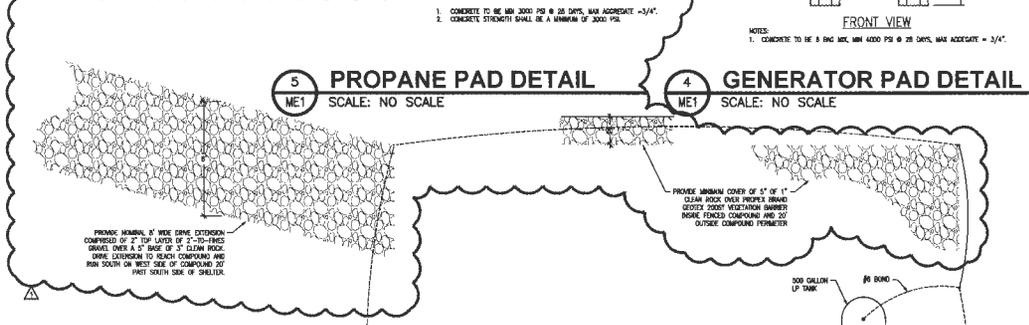
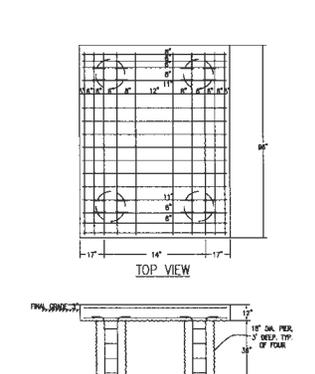
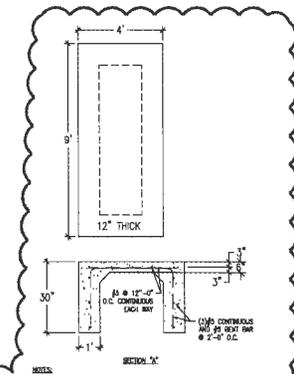
VOLTS	120/240	MAIN CAPACITY	2000 WLD	A WIRTS	6,800
PHASE	3	WIRTS	10,000	B WIRTS	6,800
WIRE	3	WIRTS	10,000	TOTAL WIRTS	13,600
WIRE	3	WIRTS	10,000		

CIRC	LOCATION / DESCRIPTION	WIRTS	WIRTS	WIRTS	LOCATION / DESCRIPTION	CIRC		
1	RECEPTACLE	20-1	1,000	A	2,500	35-2	BAND 3 TON W/WHV HEAT	2
2	RECEPTACLE	20-1	700	B	2,500	---	---	4
3	RECEPTACLE	20-1	700	B	2,500	---	---	4
4	RECEPTACLE	20-1	700	B	2,500	---	---	4
5	RECEPTACLE	20-1	700	B	2,500	---	---	4
6	RECEPTACLE	20-1	700	B	2,500	---	---	4
7	RECEPTACLE	20-1	700	B	2,500	---	---	4
8	RECEPTACLE	20-1	700	B	2,500	---	---	4
9	RECEPTACLE	20-1	700	B	2,500	---	---	4
10	RECEPTACLE	20-1	700	B	2,500	---	---	4
11	RECEPTACLE	20-1	700	B	2,500	---	---	4
12	RECEPTACLE	20-1	700	B	2,500	---	---	4
13	RECEPTACLE	20-1	700	B	2,500	---	---	4
14	RECEPTACLE	20-1	700	B	2,500	---	---	4
15	RECEPTACLE	20-1	700	B	2,500	---	---	4
16	RECEPTACLE	20-1	700	B	2,500	---	---	4
17	RECEPTACLE	20-1	700	B	2,500	---	---	4
18	RECEPTACLE	20-1	700	B	2,500	---	---	4
19	RECEPTACLE	20-1	700	B	2,500	---	---	4
20	RECEPTACLE	20-1	700	B	2,500	---	---	4
21	RECEPTACLE	20-1	700	B	2,500	---	---	4
22	RECEPTACLE	20-1	700	B	2,500	---	---	4
23	RECEPTACLE	20-1	700	B	2,500	---	---	4
24	RECEPTACLE	20-1	700	B	2,500	---	---	4
25	RECEPTACLE	20-1	700	B	2,500	---	---	4
26	RECEPTACLE	20-1	700	B	2,500	---	---	4
27	RECEPTACLE	20-1	700	B	2,500	---	---	4
28	RECEPTACLE	20-1	700	B	2,500	---	---	4
29	RECEPTACLE	20-1	700	B	2,500	---	---	4
30	RECEPTACLE	20-1	700	B	2,500	---	---	4



- ### GENERAL MECHANICAL-ELECTRICAL SPECIFICATIONS
- ALL WORK SHALL BE DONE IN STRICT COMPLIANCE TO THE BUILDING CODES OF THE CITY OF COLUMBIA, MO.
 - ALL MATERIALS SHALL BE NEW, FIRST CLASS, AND INSTALLED TO MANUFACTURER'S WRITTEN SPECIFICATIONS.
 - ALL SYSTEMS SHALL BE COMPLETE AND OPERABLE IN EVERY WAY.
 - DO ALL DIMENSIONING, BRACKETING, CUTTING, FINISHING, ADJUSTING AND BALANCING AS REQUIRED TO COMPLETE THE JOB.
 - SKETCHES, MEASUREMENTS AND SPECIFICATIONS TO ESTIMATE QUALITY ONLY. ENGINEER'S DESIGN SHALL BE FINAL ON ALL MATERIALS, SELECTIONS OR SUBSTITUTIONS.
 - MINIMUM SAFETY SIGNS AND BARBERS AS REQUIRED TO ASSURE SAFE WORKING CONDITIONS.
 - OWNER WILL BE RESPONSIBLE FOR CLEARING UP HIS OWN DEBRIS.
 - CONTRACTOR SHALL NOT BE RESPONSIBLE FOR PROPER OPERATION OF OWNER-FURNISHED MATERIAL.
 - INSPECT JOB SITE PRIOR TO BEGING TO DETERMINE EXACT JOB REQUIREMENTS.
- ### PLUMBING SPECIFICATIONS
- SEE GENERAL MECHANICAL-ELECTRICAL SPECIFICATIONS.
 - NO PIPING ABOVE OR BELOW GRADE SHALL BE COPPER TUBING OR MEDIUM DENSITY POLYETHYLENE (HDPE) PIPE OR GALV.

- ### ELECTRICAL SPECIFICATIONS
- SEE GENERAL MECHANICAL-ELECTRICAL SPECIFICATIONS.
 - ALL CONDUCTORS SHALL BE COPPER MINIMUM #12 OR LARGER AS REQUIRED OR SHOWN.
 - ALL EQUIPMENT SHALL BE RATED FOR 75° C. CONDUCTORS.
 - ALL SERVICE WIRING EXPOSED TO WEATHER OR WIRING BELOW GRADE, SHALL BE IN RIGID GALVANIZED EMBROID OR SCH 40 PVC.
 - ALL WIRING IN NON-FIRE-RATED CONSTRUCTION MAY BE NON-METALLIC SHEATHED CABLE (NM-C).
 - ALL OTHER WIRING SHALL BE IN RIGID OR MC CABLE.
 - WALL SWITCHES SHALL BE LEVITON #100 SERIES, OR APPROVED EQUAL, 20A.
 - OUTLET RECEPTACLES SHALL BE LEVITON #100 SERIES, OR APPROVED EQUAL, 20A, GROUNDING TYPE. GROUND FAULT RECEPTACLES SHALL BE LEVITON #7800-10 SERIES, USE LOCKWING ONLY, NOT GROUNDING.
 - SPECIAL OUTLETS SHALL BE AS REQUIRED OR SHOWN OR BARBERS, COMPLETE WITH COVER PLATE.
 - THE ENTIRE SYSTEM SHALL BE ELECTRICALLY CONTINUED AND PROPERLY GROUNDING, EXCEPT FEEDER AND BRANCH CONDUIT SHALL HAVE CODE 9022 GREEN INSULATED GROUND CONDUCTOR.
 - FLOORING AND INSTALL ALL LIGHTING FIXTURES, LAMPS, FUSES, BREAKERS, ETC. TO COMPLETE THE BRANCH CIRCUITS INDICATED.
 - ALL 120V, 200V LIGHTING AND RECEPTACLE CIRCUITS REQUIRING MORE THAN 100' OF CONDUCTORS (ONE RUN) SHALL BE #10 CONDUCTORS.



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FREDRICK MAUCOURT, P.E.

JOINT COMMUNICATIONS
2600 BATTLE AVENUE
COLUMBIA, BOONE COUNTY, MISSOURI, 65202

CONTRACTOR SHALL CHECK & VERIFY ALL DIMENSIONS & CONDITIONS AT JOB SITE.
DATE: 06-29-15
REVISIONS:
10-20-15

TITLE: MECHANICAL/ELECTRICAL PLAN
SHEET: ME1 of ME1
PROJECT: 15171