


**EXHIBIT "E" (25 pages)**  
**ITS CONDUIT DESIGN GUIDELINES**

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## ITS CONDUIT DESIGN GUIDELINES

1. The Pima County ITS Conduit Design Guidelines and associated Special Provisions are based upon the City of Tucson Department of Operations Technical Planning and Resources Division Section 975 - Telecommunications Infrastructure recommendations.
2. The intent of the ITS conduit design is for future fiber optic use throughout Pima County.
3. A set of special provisions (Section 975 - Telecommunications Infrastructure) is provided on sheet 7-01 and includes all of the requirements for equipment and construction of the ITS conduit system. Additional standard details are included on sheets 7-02 through 7-04.
4. The provided special provisions include design requirements for a 4 inch PVC ITS conduit system that is innerduct ready as well as a four (4) PVC with four (4) -One (1) inch innerduct ITS conduit system that is cable ready. The decision as to which system is used will be made on a per project basis.
5. The ITS conduit system can contain PVC field bends with minimum radii of 50 feet or greater and 30 degrees or less. Factory bends can be used for smaller radii when necessary. Factory bends must be manufactured out of PVC or rigid steel conduit per the special provisions provided.
6. The general ITS conduit system layout requires vaults to be placed a maximum of 1500 feet apart. The maximum spacing between ITS pull boxes or between an ITS pull box and a vault is 600 feet. The completed four (4) inch conduit system will be required to run a three and three-quarter (3  $\frac{3}{4}$ ) inch mandrel.

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## Section 975 - Telecommunications Infrastructure

### 975-1 DESCRIPTION

The work covered under this section shall consist of a Complete-in-Place installation, furnishing all material, labor and equipment, and installing conduit, pull boxes, vaults, and tracer wires for an underground fiber optic conduit system, including excavation, backfilling, compacting, jacking, and boring in accordance with the details.


### 975-2 MATERIALS

**975-2.01 Polyvinyl Chloride (PVC) Conduit.** All conduit shall be listed by Underwriters Laboratory (UL) and conform to NEC standards. Unless otherwise specified, all conduits to be installed underground or installed in concrete structures shall be four (4) inch diameter, rigid Polyvinyl Chloride (PVC) Non-Metallic Conduit. The PVC conduit shall be schedule 40, heavy wall, sunlight resistant, manufactured from high impact material and shall be rated for use at 90 degrees centigrade. The conduit shall meet the specifications of UL 651 and NEMA TC-2, and furnished with interface fit bell ends. Fittings shall be schedule 40 PVC, meeting the specifications of NEMA TC-3 and UL 514. PVC bends of 30 degrees or greater may be used when necessary. Field bends should not have a radius of less than 50 feet. Factory bends shall have a radius of not less than 12 times the nominal diameter of the conduit.

**975-2.02 Conduit with Integral Innerduct.** Conduit with Integral Innerduct shall be of schedule 40 PVC in modular, slip fit lengths. Shall have pre-lubricated innerducts with internal spacers and which expand and contract at the same rate as the outerduct. Conduits shall have anti-reversing gaskets and an o-ring gasket at bell base. Shall have inward tapering holes on coupling body for easy assignment, printed indication such as "Install Print Side Up" to keep system straight during installation, and marked innerduct and marked hole on coupling body to insure proper innerduct alignment and allow crews to work from opposite directions. Bends shall be flexible and engineered to be cut-through resistant. Innerducts shall be Carlon Telecom Systems Multi-Gard brand or equivalent. All integral innerducts shall have a continuous non-spliced, unknotted detectable 1250 pound test mule tape installed.

**975-2.03 Solvent Cement for Polyvinyl Chloride (PVC) Conduit and Couplings.** All solvent cement shall meet the requirements of ASTM D 2564. The cement shall be of medium or heavy bodied cement capable of making watertight joints. The cement and primer shall be of a type recommended by the manufacturer of the conduit.

**975-2.04 Rigid Steel Conduit Bends.** Conduit bends shall be listed by UL and conform to NEC standards. The bends shall be steel, hot dipped zinc coated, meeting the requirements of UL 6 and ANSI C80.1, and shall carry the UL label. Non-thread couplings shall not be used. Bends shall have a minimum radius of 12 times the nominal

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diameter of the conduit. Steel conduit bends shall have a factory applied 40 mil PVC coating or be doubled (half overlap) wrapped with a ten (10) mil PVC plastic tape specifically manufactured for corrosion protection of metallic conduits installed below grade. For PVC conduit bends see section 975-2.01.

**975-2.05 Flexible Conduit.** When specifically indicated on the plans and where approved by the engineer, flexible solid wall direct bury conduit may be used. The conduit shall be manufactured of Polyvinyl Chloride (PVC), or Polyethylene (PE) plastic. The conduit shall be specifically manufactured for direct buried fiber optic raceway systems and shall be Carlon "Optic-Gard PE" conduit, or approved equal. Flexible conduit shall not be utilized for making bends in conduit system. Connection between the flexible conduit and conduits of other materials shall be made with a watertight transition coupling manufactured for the specific type of material.

**975-2.06 Plastic Conduit Spacers.** Spacers shall be constructed of Polyvinyl Chloride (PVC) or other non-metallic material. The spacers shall be vertical and horizontal interlocking and provide a minimum of three (3) inch clearance between conduits. Base spacers shall be provided with a wide base plate to provide solid support on the bottom of the trench. The base spacers shall provide for a minimum clearance of three (3) inches between the bottom of the trench and the conduit.

**975-2.07 Aggregate Bedding Material.** Aggregate material for bedding material shall meet the gradation indicated in the specifications and on the drawings for the subject project. The plasticity index shall also conform to the specifications under which the subject project is designed and constructed.

**975-2.08 Not Used**

**975-2.09 Detectable Warning Tape.** On open trenching an electronically detectable six (6) inch Fiber Warning tape shall be installed 18 inches above the conduit. Tape shall be acid and alkali-resistant polyethylene film, with a minimum thickness of 0.004 inch. The tape shall have a minimum strength of 7500 PSI lengthwise and 1,500 PSI crosswise. The tape shall be manufactured with integral wires, foil backing, or other means to enable its detection by a metal detector when the tape is buried up to a depth of 3 feet deep. The tape shall be orange in color and have the following continuous inscription, "CAUTION - FIBER OPTIC CABLE BURIED BELOW". The inscription shall be two (2) inch black letters.

**975-2.10 Backfill Material.** The backfill material shall be designed and constructed using the plans and specifications of the subject project.

**975-2.11 Tracer Conductor.** The cable and conductor shall be listed by UL and conform to NEC standards. The conductor shall be a continuous unspliced stranded CU 6AWG, rated for 600 volts, and shall have THW or XHHW insulation. The color of the


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insulation shall be green. The conductors shall be of the required length to eliminate all splices within the conduit.

**975-2.12 Pull Boxes.** Communications pull boxes shall be UL listed. All pull boxes shall have an etched polyethylene face, anchored in concrete, with an ultraviolet inhibitor and be of a neutral color. Unless specified otherwise, pull box lids shall be of 'fiberlight' material, polyester pre-mix with Calcium Carbonate, and shall be equipped with a bolt-down cover secured by a minimum of two (2) recessed penta-head bolts. The pull box cover shall have the word "COMMUNICATIONS" in permanent raised or stamped letters. Pull boxes shall be open base. The pull box cover shall have two (2) - half (½) inch x four (4) inch pull slots. The pull box base shall have two (2) - four and one half (4 ½) inch x four and one half (4 ½) inch mouse holes, one at each end. Pull boxes may be extended by means of an "extension". The extension shall have eight (8) - four and one half (4 ½) inch x four and one half (4 ½) inch knockouts, two (2) on each side. Contractor shall provide all necessary collars, extensions, hardware, sealant, and conduit caps. All conduit entrances shall be sealed. The assigned pull box number shall be painted on the box at the time of installation. Chipped, cracked, or otherwise damaged boxes and covers will not be accepted.

**975-2.13 Vaults.** (Also known as ADOT No. 9 Pull Box) Communications vaults shall be UL listed. Vault base shall be pre-cast concrete with a minimum thickness of six (6) inches. Vault cover shall be fabricated steel, 36 inch diameter, secured by a minimum of one (1) recessed penta-head bolt. The cover lid shall have "COMMUNICATIONS" written on it in permanent raised, stamped or welded lettering. The vault base and vault cover shall be gasketed and weather proof. Vaults shall have a minimum outside dimension of 48 inches long by 48 inches wide by 50 inches high with a minimum thickness of four (4) inches. The base shall have one (1) - eight (8) diameter by four (4) inch deep sump hole knockout in the floor. The base interior shall have a minimum of one (1) - two and one half (2 ½) inch diameter ground rod knockout in the floor, at a corner; the base interior shall have four (4) - 7/8-inch diameter pulling irons, one centered on each side. The base exterior walls shall have four (4) 36 inch "C" channels precast in the sides, one on each side; the base exterior shall have four (4) - 18 inch x 18 inch knockouts, one on each side; and, the base exterior shall have sixteen (16) - four and one half (4 ½) inch diameter knockouts for four (4) inch conduit entrances, four (4) on each side. The contractor shall provide all necessary collars, extensions, hardware, sealant, and conduit caps. All conduit entrances shall be sealed. The assigned box number shall be painted on the box at the time of installation. Chipped, cracked, or otherwise damaged boxes and covers will not be accepted.

**975-2.14 Portland Cement Concrete.** Concrete shall be Class B meeting the requirements of Section 1006 of the Pima County/City of Tucson Standard Specifications for Public Improvements.

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**975-2.15 Innerduct.** Innerduct shall be one (1) inch PVC constructed of a smooth walled exterior and a longitudinally ribbed interior with a continuous unknotted 1250 lbs test mule tape installed. No corrugated innerduct will be accepted. Each innerduct within a single conduit shall be of a different color (orange, brown, blue and black).

**975-2.16 Watertight Alibi.** Watertight Alibi shall consist of a Quadraplex Duct Plug designed to seal around, organize, and support innerduct where it emerges at the top of the riser. Fasteners shall be stainless steel. Plug shall support a minimum of 400 lbs of cable, and shall be removable. Jackmoon or equivalent. No chemical seals will be accepted.

**975-2.17 Blank Duct Plugs.** Blank Duct Plugs shall be installed in each individual innerduct where it emerges at the top of the riser. Duct plugs shall be all plastic construction, corrosion proof, water and air tight to 30 psi. Jackmoon or equivalent.

### **975-3 CONSTRUCTION DETAILS**

#### **975-3.01 Conduit.**

**(A) Handling and Storage.** All conduit shall be transported in modules or bundled in a straight and level position. The straps securing the conduit to the vehicle shall be a minimum of 4 inches in width and shall not deform or damage the conduit in any manner. Conduits shall be unloaded in accordance with the manufacturer's recommendations and shall not be dropped to the ground.


Conduits shall be stored in a straight and level position in stacks not exceeding eight (8) feet in height. Materials shall be stored in an approved manner and covered to prevent ultraviolet deterioration due to the exposure to sunlight. When stored, conduit ends shall not be capped nor shall conduit be subject to temperatures in excess of 140° F.

**(B) Cleaning.** The interior of the conduit shall be kept clean and free of debris. Prior to installation, all foreign materials shall be removed from the interior of the conduit with compressed air and a swab.

**(C) Size.** Unless otherwise indicated on the plans or special provisions, all conduit shall be four (4) inch diameter.

**(D) Cuts and Connections.** The conduit shall be cut square, de-burred, and trimmed to remove all rough edges.

PVC conduit connections shall be of the solvent weld type. Wipe conduit dry and clean before joining. Apply a full coat of primer to the pipe and coupling per the manufacturer's recommendations. Apply a full and even coat of solvent cement to the entire area inserted into the fitting. Prevent excess cement from accumulating in the

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interior of the conduit. Allow joint to cure a minimum of 20 minutes. The complete joint shall be water tight. Where a connection is made to a steel bend, the coupling used shall be a PVC female adapter.

Expansion fittings shall not be installed in PVC conduit runs unless otherwise specified. Expansion fittings shall be installed in conduit runs where both ends are fixed in-place, such as between two foundations, and within concrete structures. Expansion fittings shall allow for a minimum linear expansion of six (6) inches.

**(E) Bends.** Bends shall be installed only when absolutely necessary. All bends shall be manufactured out of PVC or rigid steel conduit. Bend shall be factory bent or field bent. Field bends should not have a radius of less than 50 feet. Factory bends shall have a radius of not less than 12 times the nominal diameter of the conduit. Conduit shall be bent without crimping or flattening, using the longest radius practicable. The sum of the deflection angles of all bends in any conduit run shall not exceed 270 degrees between termination and/or junction points. For the purpose of calculating the sum of the deflection angles, bends with a radius of 500 feet or greater may be excluded from these criteria.


**(F) End Treatment.** Conduit ends shall be capped with conduit end caps at all times when work is not in progress. Rigid steel bends terminating in pull boxes shall terminate with an approved plastic bushing.

**(G) Placement.** Conduit runs shown on the plans shall be changed only to avoid underground obstructions and only as directed by the Pima County DOT/TED Project Manager.

Unless otherwise specified, conduits shall be placed with a minimum cover of 36 inches to the top of the conduit below the finished grade; the minimum requirement for transportation projects is 30 inches due to the depth of electrical conduit placement. When conduit runs, or any part thereof, cannot be installed at the minimum depth, the run, or part thereof, shall be encased in concrete.

Conduits shall be installed along the straightest horizontal and vertical alignment practicable, and with a uniform depth of cover. Variations in the alignment shall be accomplished with smooth transitions maximizing the radius of the bends. In cases where it is impossible to maintain the alignment of the conduit, the grade of the conduit shall be transitioned using the minimum number and the longest radius bends. Should discovered field conditions necessitate additional bends in the conduit run, the location and number of pull boxes shall be adjusted as directed by the Pima County DOT/TED Project Manager.

Conduits to be encased within concrete shall be installed on plastic conduit spacers. The spacers shall be placed at suitable locations to prevent sagging of the conduit between

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spacers or at ten (10) foot maximum centers. Prior to the placement of the concrete, the conduits shall be tied down to prevent them from floating.

Conduit penetrations into pull boxes shall be made using the knockouts or shall be cored in the structure. Conduits entering through the side wall of pull boxes shall be located 3 inches above the floor and three (3) inches away from the end wall of the box. Conduit entering the bottom of pull boxes shall be located in the near side corner of the box, approximately three (3) inches away from the side and end walls. The conduit shall be sloped towards the top center of the box to facilitate pulling of the cables and innerduct. Conduits terminating in pull boxes shall terminate a minimum of three (3) inches inside the box wall. The void between the conduit and the box shall be completely filled with mastic to form a watertight seal.

Conduits entering vaults shall enter through single duct knockouts. The location of the knockout shall be as indicated on the plans, or directed by the engineer. The joint between the knockout and the conduit shall be filled to form a watertight seal.

At all locations where the conduits cross under a new curb, the letters "FO" shall be cut into the top of the curb directly over the conduit run. The letters shall be three (3) inches tall and shall be clearly defined.


**975-3.02 Trenching.** Unless otherwise specified, all conduit runs shall be installed by trenching methods. Trenching shall include the removal of all material to the design grade no matter what type of material is encountered. The alignment of the conduit shall be staked in the field per the Pima County standard procedures.

When trenching in excess of 5 feet is required, the contractor shall submit, in writing to the Pima County DOT/TED Project Manager, a detailed description of their proposed trenching operations, including shoring methods, prior to the commencement of construction.

All conduit shall be covered with bedding material or concrete at the completion of each day's work to prevent shrinkage and thermal expansion that could influence the alignment of the conduit.

Concrete encasement shall be a minimum of Class B (2,500 PSI) in accordance with Pima County/City of Tucson Standard Specifications and provide a minimum cover of three (3) inches on all sides of the conduit. Otherwise, bedding and shading of the conduit shall be in accordance with the plans and specifications of the subject project. When installed adjacent to water mains, the conduit shall be encased in concrete.

**(A) Bedding and Shading.** Bedding and shading of the conduit shall be in accordance with the following:

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Conduits installed in conjunction with Tucson Water projects shall be designed and installed using the plans and specifications of the subject project.

Conduits installed with traffic signal or street lighting conduits shall be designed and installed using the plans and specifications of the subject project.

Conduits with a depth of cover less than cited above, and where indicated on the plans, shall be encased in concrete. The concrete shall be placed to provide a minimum of three (3) inches of encasement on all sides of the conduit.


**(B) Backfill.** Upon completion of the conduit and bedding installation, the trench shall be backfilled and compacted. The backfill shall be designed and constructed using the plans and specifications of the subject project. Place the detectable warning tape in the backfill, 18 inches below finished grade and directly above the conduit.

**975-3.03 Boring and Jacking.** Conduit runs shall be installed by boring and jacking methods when required by the plans or directed by the Pima County DOT/TED Project Manager. The boring and jacking method shall be approved by the Pima County DOT/TED Project Manager prior to the commencement of work. Where a conduit run is required by the plans to be installed by boring or jacking, the trenching method shall not be utilized except with prior written approval of the Pima County DOT/TED Project Manager.

When casing is used, the casing shall be schedule 40 "standard wall" steel pipe. The casing shall not deviate more than 0.20 feet from the design grade. The joints in the casing shall be fully welded in accordance with A.S.M.E. Section 9. Concrete end seals shall be provided at each end. The intervening annular space shall be filled with sand material approved by the Pima County DOT/TED Project Manager.

Conduits installed within the casing used for water mains shall consist of either four (4) each one (1) inch, four (4) each one and one-half (1 1/2) inch, or two (2) or more, two (2) inch diameter flexible conduits. The largest practical size shall be used. The conduits shall be strapped to the glass reinforced skids installed on the water line, pulled into the casing after the water main is installed, or installed on a hanger welded to the casing. The alignment of the conduits shall be maintained as straight as possible. The placement of sand within the annular space of the casing shall be controlled to a rate that does not displace the conduit.

Boring and jacking pits shall be located a minimum of two (2) feet outside the pavement edge. The diameter of the bore shall be as close to the outside diameter of the conduit such that it will enable the conduit to be installed. At all locations where the diameter of the bore is two (2) inches, or greater, than the outside diameter of the conduit, the interstitial space between the conduit and the bore shall be filled with slurry. All boring

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and jacking methods used shall neither damage nor deform the conduit. The installed conduit shall conform to the alignment and grade shown on the plans.

**975-3.04 Concrete Structures.** Conduit embedded in concrete structures shall be securely attached to the reinforcing steel at locations and intervals detailed on the plans. Expansion fittings shall be installed at all locations where the conduit crosses expansion joints in the structure. Expansion joints shall also be installed at the point where the conduit enters and exits the concrete structure. Where it is not possible to install expansion joints, the conduit shall be installed in a conduit sleeve of sufficient size to provide a minimum of 1/2-inch clearance between the outside diameter of the conduit and the inside wall of the sleeve. Sleeves shall be discontinuous across the expansion joints in the structure.


**975-3.05 Pull Boxes and Vaults.** Prior to setting the pull box or vault, verify that the excavation is to the design elevation and alignment. Pull boxes and vaults shall be placed such that the crushed stone does not wash away or into the conduit. Vaults and pull boxes shall NOT be placed in a location of water drainage or standing water. Set boxes and vaults true and plumb. The top plane of the cover shall be a minimum of 1 inch above finished grade and six (6) inches above possible standing water level for the location. Backfill and compact around the structure avoiding damage to the structure. The backfill shall be compacted to a minimum of 95 percent of the maximum density as determined by ASTM D698. Pull boxes are to be placed on a minimum of 5 cubic feet of clean 1 inch (size 57) rock and vaults are to be placed on a minimum of 16 cubic feet of clean 1 inch (size 57) rock.

Pull boxes shall be encased in a concrete ring a minimum 10 inches wide and a minimum of 12 inches deep on compacted soil. Each pull box/vault shall be provided with a 5/8-inch by eight (8) foot ground rod and acorn, driven vertically in the corner with six (6) inches of rod exposed above the top of the drainage rock.

Install the precast sections in accordance with ASTM C891. Joints between the precast sections shall be sealed with a flexible butyl sealant meeting the requirements of AASHTO M-198. Install precast adjustment rings and the frame and cover to finished grade. Pull boxes shall be encased in a concrete ring a minimum ten (10) inches wide and a minimum of 12 inches deep on compacted soil.

Cables passing through pull boxes require a minimum 50 feet service loop where attainable without exceeding manufacturer's minimum bend radius. Cables pulled through vaults require not less than 150 feet before exiting.

**975-3.06 Innerducts.** All 4 inch conduits shall have a minimum of four (4) – one (1) inch smooth wall exterior, longitudinally ribbed interior innerducts with 1250 lbs test rated pull strength mule tape installed. Each innerduct within a single conduit shall be of a different color (orange, brown, blue and black).

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**975-3.07 Tracer Wire, Electronic Marker, Mule Tape.** A continuous, separate #6 AWG THW/XHHW CU insulated tracer wire shall be installed in each conduit run, external to the innerducts. All lubricants used in the pulling of the tracer wire shall be water soluble. No splicing of the tracer wire shall be permitted in the conduit runs. The ends of the wire shall extend into each pull box, or vault, a minimum of 5 feet, coiled and secured. Connect the ends of all tracer wires within a pull box, or vault, together to a common lug. An electronic marker, 3M model 1255 mini-marker shall be placed by the Contractor at the location of any capped conduit not in a building or pull box/vault. All unoccupied or capped conduits shall have a continuous unspliced unknotted detectable 2500 lbs test rated pull strength mule tape installed, secured at each end and shall be labeled with location of opposite end.


**975-3.08 Testing and Cleaning.** The completed conduit runs shall be cleaned and tested prior to final acceptance. Cleaning shall consist of pulling a swab through the conduit and removing all foreign material from within the conduit. If water is allowed to enter the conduit during construction, it shall be blown out or removed by other satisfactory means prior to the acceptance of the system. Vaults and pull boxes shall be cleaned of all debris. Upon completion of the cleaning operations, the ends of the conduit shall be capped. RGS sweeps terminating in pull boxes shall be plugged.

All conduit runs shall be clearance tested after the completion of all backfilling and subgrade preparation operations. This test shall consist of pulling a mandrel through the conduit run. The mandrel shall be segmented with an outer diameter of  $\frac{1}{4}$ -inch less than the inside diameter of the conduit, and shall be ten (10) inches in length. The test shall be considered acceptable when the mandrel can be passed through the entire conduit run with a pulling force of 300 lbs or less. Each conduit run shall be verified for continuity along its entire length, as noted on the plans, and by means of an underground line locator. The installed conduit system shall be marked on the ground using standard bluestake color code and markings procedures.

All testing of the system shall be scheduled with, and conducted in the presence of the Pima County DOT/TED Project Manager. All portions of the system that do not pass the specified testing shall be repaired by the contractor, and retested, at no additional cost.

#### **975-4 METHOD OF MEASUREMENT**

**975-4.01 Conduits.** Conduits shall be measured by the linear foot for each diameter size of conduit. The measurement shall be from center to center of pull box or vault. No measurement or direct payment will be made for the trenching, bedding, encasement, tracer wire, marking tape, mule tape, backfill and testing, the cost being considered as included in the contract price for the conduit.

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**975-4.02 Pull Boxes.** Pull boxes will be measured as a unit for each pull box installed complete with cover and accessories.


**975-4.03 Vaults.** Vaults will be measured as a unit for each vault complete with frame and cover and accessories.

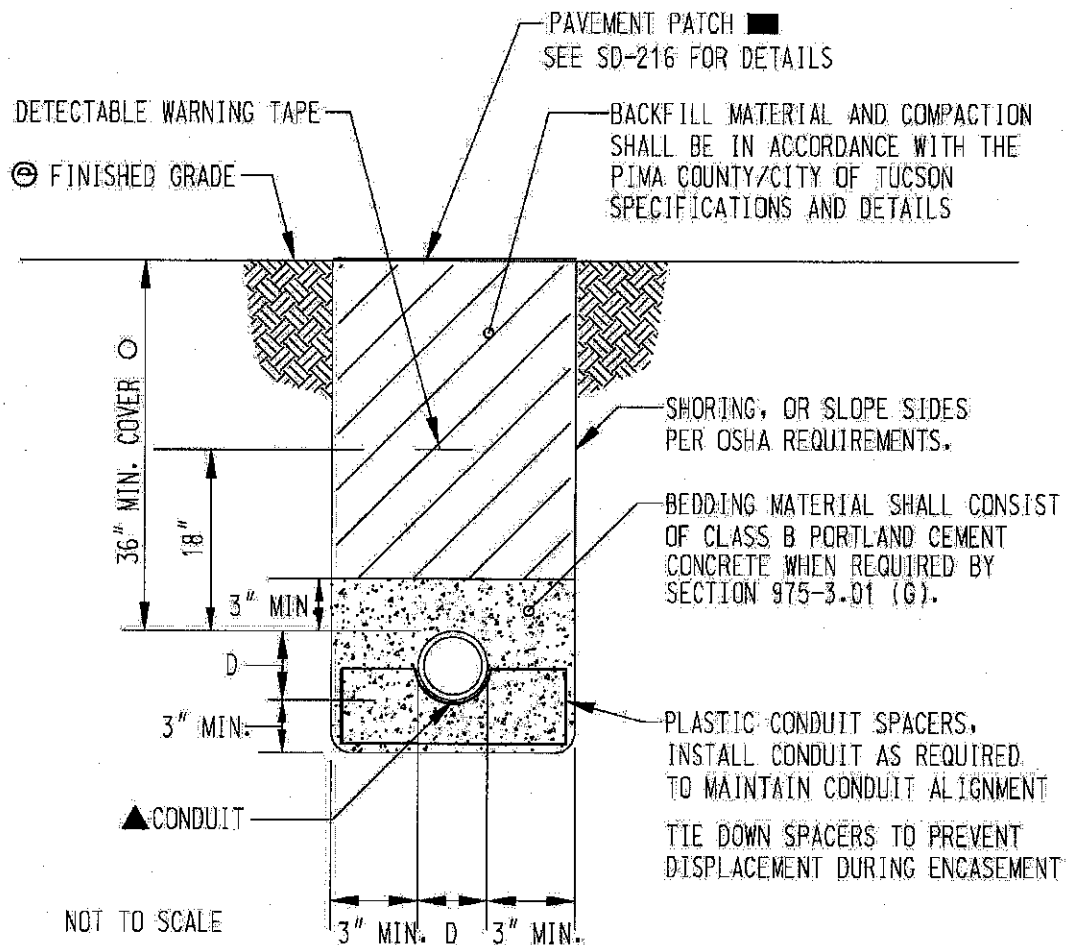
#### **975-5 BASIS OF PAYMENT**

**975-5.01 Conduit.** Acceptable quantities of conduit, measured as provided above, will be paid for at the contract unit price per linear foot, which price shall be full compensation for the work, complete in place, including any excavation, removals of obstruction, bedding, encasement, backfill, and any incidentals necessary to complete the work.

**975-5.02 Pull Boxes.** Acceptable quantities of pull boxes, measured as provided above, will be paid for at the contract unit price each, which price shall be full compensation for the work, complete in place, including any excavation, removals of obstruction, bedding, coring, knockouts, backfill, and any incidentals necessary to complete the work.

**975-5.03 Vaults.** Acceptable quantities of vaults, measured as provided above, will be paid for at the contract unit price each, which price shall be full compensation for the work, complete in place, including any excavation, removals of obstruction, coring, knockouts, support channels, bedding, backfill, risers, frames and covers, accessories, and any incidentals necessary to complete the work.

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### TYPE 1: SINGLE FO CONDUIT

REFER TO SHEET 6 OF 6 FOR GENERAL NOTES AND SYMBOLS.

NOTE: CONCRETE ENCASEMENT REQUIREMENT  
FOUND IN SECTION 975-3.01(G)

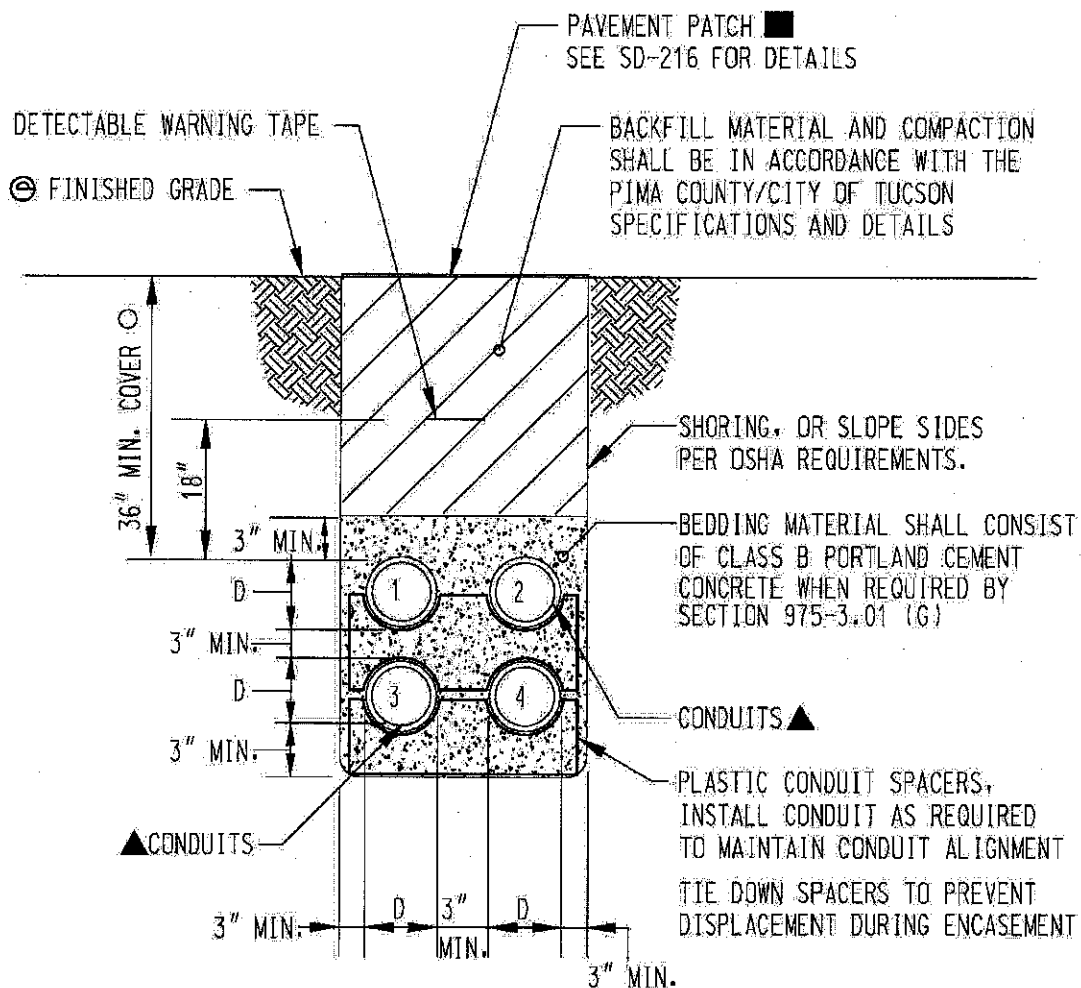
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## TYPE 2: MULTIPLE FO CONDUITS

REFER TO SHEET 6 OF 6 FOR GENERAL NOTES AND SYMBOLS.

NOTE: CONCRETE ENCASEMENT REQUIREMENT  
FOUND IN SECTION 975-3.01(G)

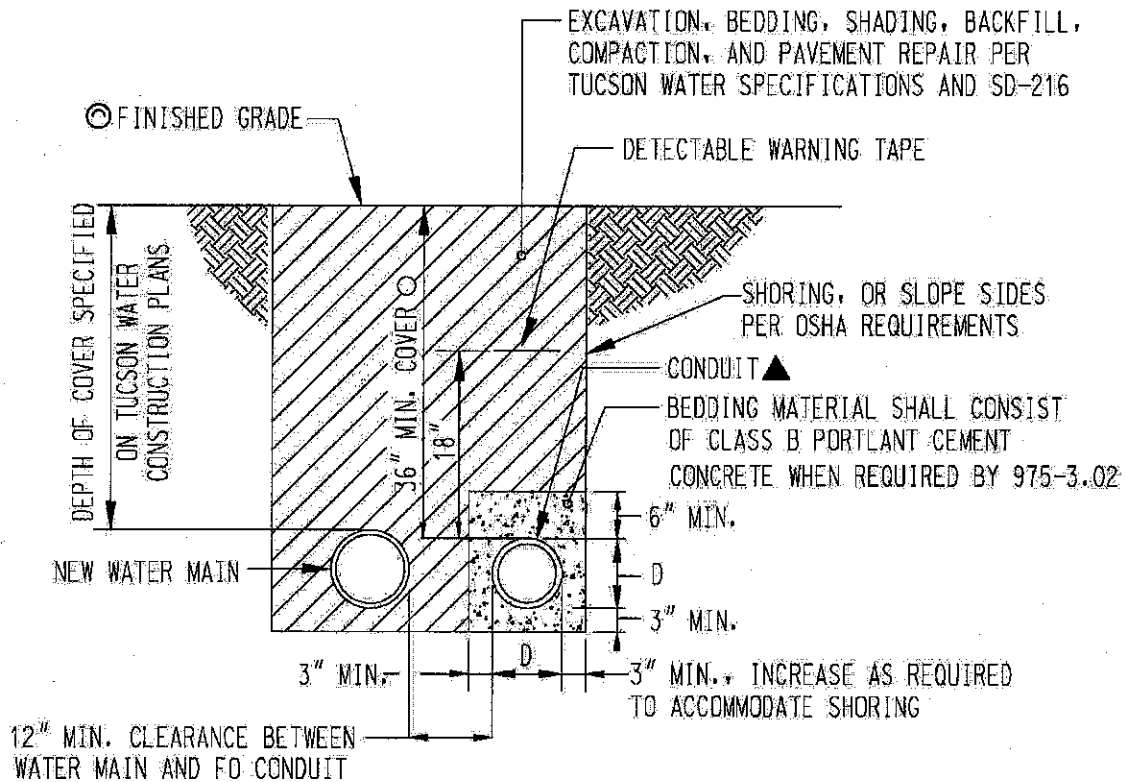
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NOT TO SCALE

### TYPE 3: FO CONDUIT INSTALLED ADJACENT TO TUCSON WATER MAIN

REFER TO SHEET 6 OF 6 FOR GENERAL NOTES AND SYMBOLS.


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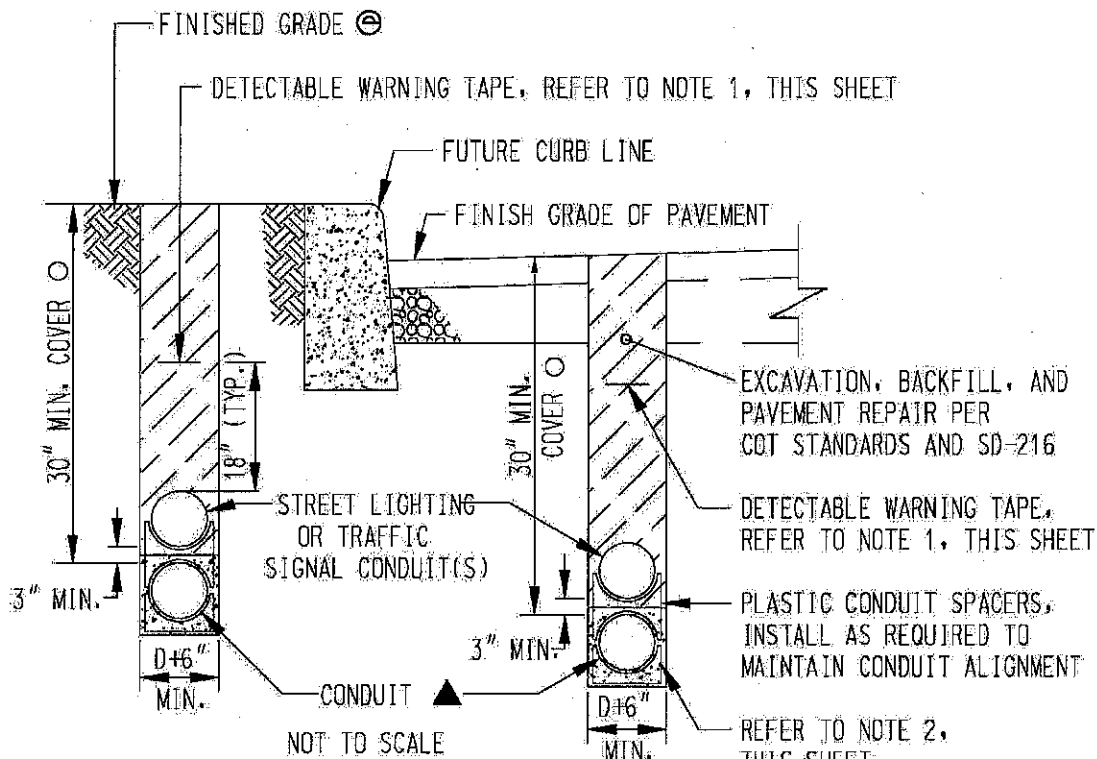
**PCDOT Traffic Engineering Division**  
**Street Lighting & ITS Conduit Design Manual**  
 Detail No.: FO-100  
 Conduit Installation

SHEET NO.  
**7-02**  
 3 of 6



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**NOTES:**

1. INSTALL WARNING TAPE FOR THE FIBER OPTIC SYSTEM AND THE STREET LIGHTING / TRAFFIC SIGNAL CONDUITS, SIDE BY SIDE AT THE SPECIFIED DEPTH.
2. AT STREET CROSSINGS, WHERE THE STREET LIGHTING / TRAFFIC SIGNAL CONDUIT IS ENCASED IN CONCRETE, ENCASE FO CONDUIT IN CLASS B CONCRETE.
3. EXCAVATION, BEDDING, SHADING, BACKFILL, AND COMPACTION OF THE STREET LIGHTING AND TRAFFIC SIGNAL CONDUITS SHALL BE IN ACCORDANCE WITH THE PIMA COUNTY/CITY OF TUCSON STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC IMPROVEMENT.

**TYPE 5: FO CONDUIT INSTALLED WITH  
STREET LIGHTING OR TRAFFIC SIGNAL CONDUIT**

REFER TO SHEET 6 OF 6 FOR GENERAL NOTES AND SYMBOLS.





NOTE: CONCRETE ENCASEMENT REQUIREMENT  
FOUND IN SECTION 975-3.01(C)


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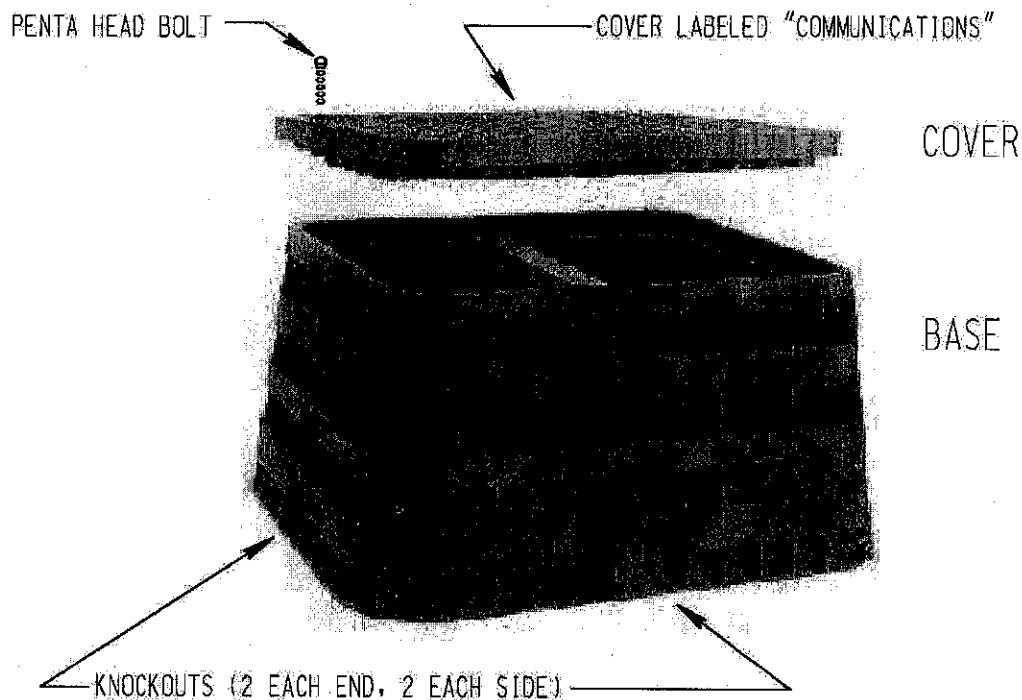
#### GENERAL NOTES:

1. FOR CONDUIT IN THE ROADWAY RIGHT-OF-WAY WHERE REQUIRED BY THE CITY OF TUCSON/PIMA COUNTY SPECIFICATIONS AND DETAILS, AND WHERE SPECIFICALLY CALLED OUT ON THE DRAWINGS, CONDUIT SHALL BE ENCASED IN CLASS B PORTLAND CEMENT CONCRETE.
2. CONSTRUCTION STAKING SHALL BE IN ACCORDANCE WITH PROJECT REQUIREMENTS.
3. SHORING AND / OR BRACING SHALL CONFORM TO OSHA REQUIREMENTS.
4. REFER TO SPECIFICATIONS FOR THE REQUIREMENTS FOR THE DETECTABLE WARNING TAPE.

#### LEGEND:


- D OUTSIDE DIAMETER OF CONDUIT.
- ▲ CONDUIT SHALL BE 4" IN DIAMETER UNLESS OTHERWISE NOTED ON THE PLANS.
- ⊖ THE LOWER OF EXISTING OR FUTURE FINISHED GRADE.
- PAVEMENT PATCHING SHALL CONFORM WITH THE REQUIREMENTS OF PIMA COUNTY / CITY OF TUCSON STANDARD DETAIL FOR PUBLIC IMPROVEMENTS, STANDARD DETAIL No. 216, AND THE CONSTRUCTION DOCUMENTS.
- 36" MINIMUM COVER, AND A MINIMUM OF 24" BELOW THE LIMITS OF SUBGRADE SCARIFICATION.
-  NATIVE UNDISTURBED SOIL.
-  BACKFILL MATERIAL AND COMPACTION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE AUTHORITY THAT HAS JURISDICTION OVER THE RIGHT-OF-WAY, AND PROJECT SPECIFICATIONS.
-  AGGREGATE BEDDING MATERIAL OR CLASS B PORTLAND CONCRETE CEMENT AS REQUIRED IN SECTIONS 975-3.01 AND 975-3.02.
-  BACKFILL, BEDDING AND SHADING MATERIAL OF A JOINT TRENCH TO BE CONTROLLED BY THE SPECIFICATIONS AND DETAILS OF THE AGENCY RESPONSIBLE FOR THE UTILITY.

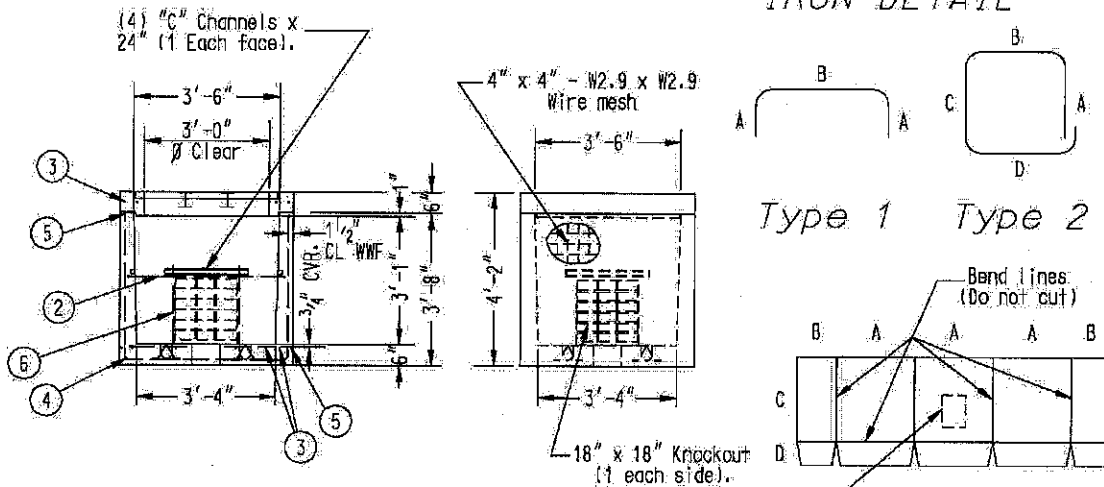
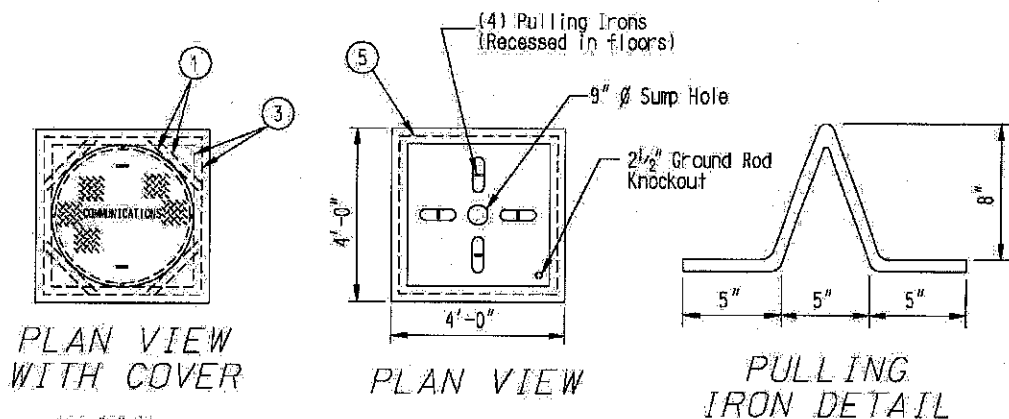
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REVISED		Detail No.: FO-100 Conduit Installation	



GENERAL NOTES:

1. BASE AND COVER SHALL BE IN A NEUTRAL COLOR.
2. BASE SHALL BE MOLDED HIGH DENSITY POLYETHYLENE.
3. PULL BOX SHALL BE OF THE DIMENSIONS 30" WIDTH BY 48" LENGTH BY 24" DEPTH.
4. COVER SHALL BE A POLYESTER PRE-MIX WITH CALCIUM CARBONATE.
5. COVER SHALL BE FACTORY EMBOSSED WITH "COMMUNICATIONS".
6. COVER SHALL BE SECURED BY 3/8-16 PENTA HEAD BOLTS.
7. PULLBOX MAY BE EXTENDED BY MEANS OF EXTENSION.

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REVISED		Detail No.: FO-300 Typical Fiber Optic Pull Box	



### GENERAL NOTES

1. Pull irons are 3/4"  $\varnothing$  cold rolled galvanized steel.
2. Weight Concrete: Cover = 663#, Vault = 2858#, Total = 3689#.  
Rebar: Cover = 91#, Vault = 79#, Total = 170#.  
Door: 175#.

### STRUCTURAL NOTES

1. Concrete: 28 Day compressive strength  $f'c$  = 4500 PSI.
2. Rebar: ASTM A-615 Grade 60.
3. Mesh: ASTM A-185 Grade 65.
4. Design ACI-318-89 Building Code.
5. Loads: HS-20 truck wheel with 30% impact per AASHTO ASTM C-857 "Minimum structural design loading for underground precast concrete utility structures."

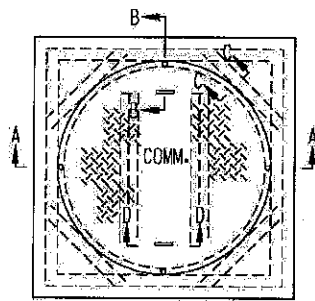
MARK	SIZE	BEND TYPE	NO. REQ'D	LENGTH (mm)	A	B	C	D	E
1.	#5	STR.	8	1'-7"					
2.	#4	1	4	8'-9"	2'-6"	3'-9"			
3.	#4	STR.	16	3'-9"					
4.	4x4-W2.9	3	1	15'-11" x 4'-9"	3'-9"	2'-4"	3'-3"	1'-6"	
5.	#4	2	2	16'-0"	3'-9"	3'-9"	3'-9"	3'-9"	1'-0"
6.	#4	STR.	8	2'-6"					

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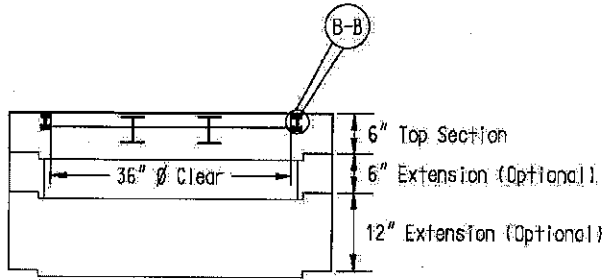


PCDOT Traffic Engineering Division  
Street Lighting & ITS Conduit Design Manual  
Detail No.: FO-301  
Typical Fiber Optic Vault

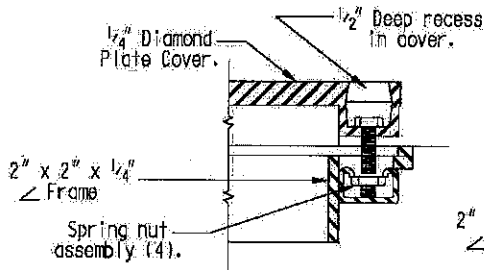
SHEET NO.  
7-04  
1 of 2



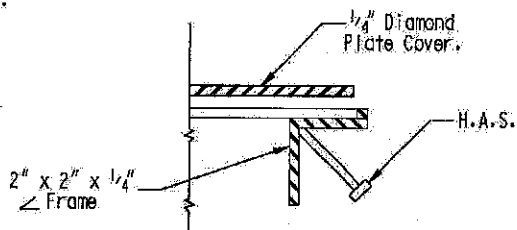
PLAN VIEW WITH COVER



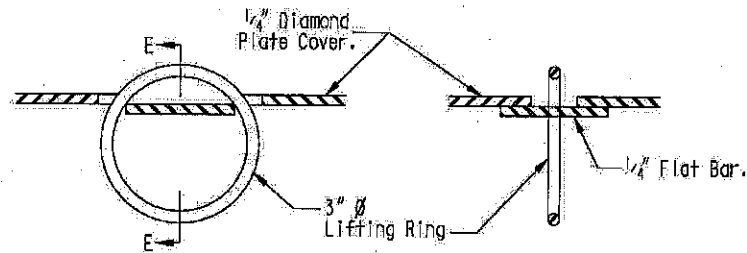
SECTION A-A



SECTION B-B  
(Bolt Down)

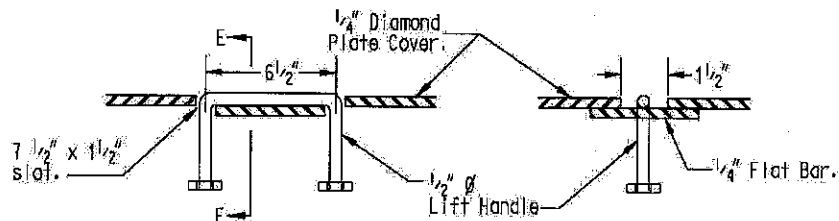


SECTION C-C  
(Typical)



SECTION D-D  
(Lifting Ring)

SECTION E-E  
(Lifting Ring)



SECTION D-D  
(Lift Handle)

SECTION E-E  
(Lift Handle)

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PCDOT Traffic Engineering Division  
Street Lighting & ITS Conduit Design Manual  
Detail No.: FO-301  
Typical Fiber Optic Vault Cover & Lift Handles

SHEET NO.  
**7-04**  
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## ITS Conduit Plan General Notes

1. ALL EQUIPMENT / MATERIALS AND CONSTRUCTION SHALL MEET OR EXCEED THE REQUIREMENTS CONTAINED IN THE CURRENT PIMA COUNTY/ CITY OF TUCSON "STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS" AND "STANDARD DETAILS FOR PUBLIC IMPROVEMENTS", THE SPECIAL PROVISIONS AND THE PLANS.
2. PULL BOXES AND VAULTS SHOWN ON PLANS ARE DIAGRAMMATIC REPRESENTATIONS. THE EXACT LOCATION OF EACH VAULT OR PULL BOX SHALL BE APPROVED BY THE TRAFFIC ENGINEER PRIOR TO INSTALLATION.
3. VAULTS SHALL BE USED FOR LONG RUNS OF CONDUIT. THE MAXIMUM SPACING BETWEEN VAULTS IS 1500 FEET. A VAULT SHALL BE INSTALLED ON ONE CORNER OF EVERY SIGNALIZED OR FUTURE SIGNALIZED INTERSECTION AS SHOWN ON PLANS.
4. EVERY SIGNALIZED INTERSECTION OR FUTURE SIGNALIZED INTERSECTION SHALL BE RINGED WITH INTERCONNECT CONDUIT. ON THE THREE CORNERS OF THE INTERSECTION NOT CONTAINING THE VAULT, ITS PULL BOXES SHALL BE UTILIZED. THE MAXIMUM SPACING BETWEEN ITS PULL BOXES OR BETWEEN AN ITS PULL BOX AND A VAULT SHALL BE 600 FEET.
5. AT ALL SIGNALIZED INTERSECTIONS, A ONE AND ONE HALF (1 ½) INCH PVC CONDUIT SHALL BE INSTALLED FROM THE TRAFFIC SIGNAL CONTROLLER TO THE ADJACENT ITS PULL BOX OR VAULT.
6. THE TOP OF THE VAULTS AND PULL BOXES SHALL BE LEVEL WITH THE SURROUNDING FINISHED GRADE. IF THE SLOPE OR SHOULDER DROPS OFF FROM FINISHED GRADE, THE CONTRACTOR SHALL GRADE AROUND POLE FOUNDATION. THE TOP OF THE FOUNDATION SHALL EXTEND NO MORE THAN FOUR (4) INCHES ABOVE SURROUNDING FINISHED GRADE.
7. VAULTS SHALL MAINTAIN A MINIMUM OF SIX (6) FEET HORIZONTAL DISTANCE FROM EXISTING WATER MAINS, MEASURED FROM OUTSIDE OF THE WALL OF THE VAULT TO THE OUTSIDE OF PIPE WALL.
8. ITS PULL BOXES SHALL BE A 30 INCH X 48 INCH PENCELL BOX OR APPROVED EQUAL.
9. VAULTS SHALL BE PRECAST CONCRETE WITH A MINIMUM OUTSIDE DIMENSION OF 48 INCH LONG BY 48 INCH WIDE BY 50 INCH HIGH.
10. PULL BOXES SHALL NOT BE INSTALLED WITHIN CONCRETE CURB ACCESS RAMPS OR LANDINGS. IN ADDITION, ANY PULL BOXES INSTALLED BEHIND CURBS SHALL BE INSTALLED BETWEEN THE CURB AND THE PROPOSED / FUTURE SIDEWALK OR BEYOND THE PROPOSED / FUTURE SIDEWALK. AN EXCEPTION TO THIS NOTE WOULD BE PULL BOXES INSTALLED IN A MEDIAN. ANY PULL BOXES INSTALLED ALONG AN UNCURBED ROADWAY SHALL BE INSTALLED TEN (10) FEET FROM

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EDGE OF PAVEMENT TO EDGE OF PULL BOX WHERE RIGHT-OF-WAY PERMITS OR AS FAR FROM PAVEMENT AS PRACTICAL WHEN THERE IS INSUFFICIENT RIGHT-OF-WAY TO PROVIDE THE TEN (10) FOOT OFFSET.


11. A THREE FOURTH (¾) INCH X TEN (10) FOOT GROUND ROD SHALL BE INSTALLED IN EVERY ITS VAULT AND ITS PULL BOX. TWO GROUND ROD CLAMPS SHALL BE FURNISHED FOR EACH GROUND ROD FOR GROUNDING THE GROUND WIRE.
12. THE CONDUIT LOCATIONS SHOWN ON PLAN ARE DIAGRAMMATIC REPRESENTATIONS ONLY. CONTRACTOR SHALL INSTALL CONDUIT TO AVOID CONFLICTS. ALL CONDUITS SHALL BE INSTALLED WITHIN EXISTING RIGHT-OF-WAY UNLESS OTHERWISE APPROVED.
13. CONDUIT INSTALLED UNDER EXISTING PAVED DRIVEWAYS, WHICH ARE NOT SCHEDULED TO BE RECONSTRUCTED AS PART OF THIS PROJECT, SHALL BE INSTALLED BY MEANS OF BORING.
14. ALL CONDUIT SHALL BE INSTALLED A MINIMUM OF 36 INCHES BELOW FINISHED GRADE, EXCEPT WHEN CONDUITS CROSS CULVERTS OR ARE ROUTED ALONG BRIDGE AND WING WALLS. ANY CONDUIT INSTALLED LESS THAN 36 INCH DEEP SHALL BE ENCASED IN CONCRETE PER PG/COT STANDARD SPECIFICATIONS 732-3.01.
15. ONLY NEW CONDUIT SHALL BE INSTALLED. ALL ITS INTERCONNECT CONDUIT SHALL BE FOUR (4) INCH PVC SCHEDULE 40 UNLESS NOTED OTHERWISE. CONDUIT ADJACENT TO CURB SHALL BE INSTALLED SIX (6) INCHES BACK OF CURB AND 42 INCHES BELOW TOP OF CURB.
16. ALL CONDUITS SHALL BE CLEANED BY COMPRESSED AIR. A PROPERLY SIZED CONDUIT PISTON OR MANDREL SHALL BE PULLED THROUGH THE CONDUIT PRIOR TO INNERDUCT INSTALLATION.
17. FOUR (4) - ONE (1) INCH INNERDUCTS SHALL BE INSTALLED WITHIN INTERCONNECT CONDUIT UNLESS OTHERWISE NOTED ON PLANS OR SPECIAL PROVISIONS.
18. INNERDUCTS SHALL BE PRE-LUBRICATED WITH SMOOTH EXTERIOR WALLS AND LONGITUDINALLY RIBBED INTERIOR WALLS. INTERNAL SPACERS WHICH EXPAND AND CONTRACT AT THE SAME RATE AS THE INTERCONNECT CONDUIT SHALL BE INSTALLED. ANTI-REVERSING GASKETS AND AN O-RING GASKET AT THE BELL BASE ARE REQUIRED. INNERDUCTS SHALL BE CLARON TELECOM SYSTEMS MULTI-GARD BRAND OR EQUIVALENT. EACH INNERDUCT WITHIN A SINGLE CONDUIT SHALL BE OF A DIFFERENT COLOR (ORANGE, BROWN, BLUE, AND BLACK).
19. ALL INTEGRAL INNERDUCTS SHALL HAVE A CONTINUOUS NON-SPLICED, UNKNOTTED DETECTABLE 1250 POUND TEST MULE TAPE INSTALLED.

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20. CONDUITS FOR FUTURE USE SHALL BE SEALED WITH A PROPERLY SIZED TAPERED POLYETHYLENE DUCT PLUG AT EACH TERMINATION POINT. THE #8 BARE BOND WIRE SHALL BE LOOPED THROUGH THE PLUG PULL TAB AND TWO FEET OF SLACK DOUBLED BACK INTO THE CONDUIT.
21. ON OPEN TRENCHING AN ELECTRONICALLY DETECTABLE SIX (6) INCH FIBER WARNING TAPE SHALL BE INSTALLED 18 INCHES ABOVE THE INTERCONNECT CONDUIT. THE TAPE SHALL BE ORANGE AND HAVE THE INSCRIPTION "CAUTION - FIBER OPTIC CABLE BURIED BELOW".
22. A GREEN TRACER CONDUCTOR SHALL BE INSTALLED WITHIN EACH INTERCONNECT CONDUIT. THE CONDUCTOR SHALL BE A CONTINUOUS UNSLICED STRANDED CU 6 AWG, RATED FOR 600 VOLTS, AND SHALL HAVE THW OR XHHW INSULATION. TRACER CONDUCTOR SHALL BE INSTALLED ON THE OUTSIDE OF THE INNERDUCTS.
23. FOR UNDERGROUND CONDUIT, A MINIMUM HORIZONTAL SEPARATION OF SIX (6) FEET SHALL BE MAINTAINED FROM LANDSCAPE IRRIGATION MAINLINES OR WATER LINES. TYPICAL FOR ALL CONDUIT INSTALLATIONS THROUGHOUT PROJECT.
24. A MINIMUM HORIZONTAL SEPARATION OF 24 INCHES SHALL BE MAINTAINED FROM ALL GAS LINES.
25. THE TRAFFIC SIGNAL OPERATION AT EXISTING SIGNALIZED INTERSECTIONS SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT.
26. UPON COMMENCEMENT OF WORK, TRAFFIC CONTROL DEVICES SHALL BE POSTED AND MAINTAINED BY THE CONTRACTOR UNTIL SUCH A TIME AS THE WORK IS COMPLETE. ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE MOST RECENT EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND APPROVED BY THE ENGINEER.  
[NOTE: ALL STATE OR LOCAL GOVERNMENT PROJECTS UTILIZING FEDERAL FUNDS SHALL BE DESIGNED IN ACCORDANCE WITH THE 2009 EDITION OF THE MUTCD. STATE AND LOCAL AGENCY EXCEPTIONS FROM THE 2009 VERSION WILL NOT BE ACCEPTED, AND THE PROJECTS WILL REQUIRE THE USE OF THE NEW VERSION WHEN RECEIVING ANY FEDERAL FUNDING.]


**RESPONSIBILITIES:**

1. THE CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED BY ALL GOVERNMENTAL AGENCIES WITH THE EXCEPTION THAT PIMA COUNTY MUST JOINTLY OBTAIN THE NPDES PERMIT AND FILE THE NOI AND NOT. FOR WORK BEYOND THE SCOPE OF THESE PROJECT LIMITS, PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL OBTAIN A SEPARATE FLOODPLAIN AND/OR GRADING PERMIT PRIOR TO COMMENCING SUCH WORK.

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2. THE CONTRACTOR SHALL CONTACT BLUE STAKE AT 1-800-782-5348, A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION.
3. THE CONTRACTOR SHALL MAINTAIN AND ALLOW ACCESS TO ALL PIMA COUNTY WASTE WATER MANHOLES LOCATED WITHIN THE ROW. ACCESS MUST BE MAINTAINED 24 HOURS PER DAY, SEVEN DAYS PER WEEK. NO ELECTRICAL UTILITIES MAY BE PLACED WITHIN SIX FEET OF A FORCE MAIN.
4. THE LOCATION OF UTILITIES SHOWN ON THE PLANS IS APPROXIMATE. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING / POTHOLING UNDERGROUND UTILITIES IN THE VICINITY OF THE PROPOSED POLE FOUNDATIONS. THE CONTRACTOR IS ALSO RESPONSIBLE FOR VERIFYING CLEARANCE BETWEEN OVERHEAD LINES AND STREET LIGHTING EQUIPMENT PRIOR TO INSTALLATION OF POLES AND FOUNDATIONS
5. ANY EQUIPMENT AND/OR UTILITIES WITHIN THE PROJECT LIMITS THAT ARE DAMAGED OR DESTROYED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED AT THE SOLE EXPENSE OF THE CONTRACTOR.
6. THE CONTRACTOR SHALL SUPPLY AND INSTALL THE FOLLOWING EQUIPMENT AND MATERIALS AS SPECIFIED IN THE PLANS: ITS INTERCONNECT CONDUIT, INNERDUCT, PULL BOXES, VAULTS, TRACER CONDUCTOR, AND ALL OTHER APPURTENANCES NECESSARY FOR THE INSTALLATION AND USE OF THE ITS INTERCONNECT SYSTEM, EXCEPT AS MODIFIED IN THE PLANS.
7. THE CONTRACTOR SHALL CAREFULLY DISASSEMBLE AND SALVAGE ALL EXISTING TRAFFIC SIGNAL AND STREET LIGHTING EQUIPMENT THAT IS NOT TO REMAIN OR BE RELOCATED, EXCEPT EXISTING WIRELESS COMMUNICATIONS AND PTZ CAMERA EQUIPMENT. ALL OF THE EQUIPMENT SHALL BE SAFELY STORED AT THE CONSTRUCTION SITE UNTIL IT IS SAFELY RETURNED TO THE PCDOT MAINTENANCE YARD, 1313 S. MISSION RD. THE EQUIPMENT SHALL BE SAFELY UNLOADED BY THE CONTRACTOR. CONTACT SIGNAL SHOP SUPERVISOR (740-2632) AT LEAST 2 WORKING DAYS PRIOR TO RETURNING THE EQUIPMENT.
8. WHEN APPLICABLE, THE CONTRACTOR SHALL SALVAGE AND REPLANT ANY LANDSCAPING VEGETATION THAT MAY BE DAMAGED BY CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL OBTAIN PRIOR APPROVAL FROM THE OPERATIONS DEPARTMENT'S PUBLIC WORK SUPERVISOR (520-740-5969) BEFORE ANY PLANTS ARE MOVED.
9. WHEN APPLICABLE, THE CONTRACTOR SHALL REPAIR/RESTORE ANY LANDSCAPE IRRIGATION COMPONENTS DAMAGED BY CONSTRUCTION ACTIVITY TO THEIR ORIGINAL CONDITION.
10. THE CONTRACTOR SHALL VISIT SITE AND OBSERVE AND NOTE CONDITIONS PRIOR TO SUBMITTING BID TO DETERMINE ALL INSTALLATION REQUIREMENTS.

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# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

3/9/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> Drachman Insurance Services 1889 North Kolb Road Tucson AZ 85715		<b>CONTACT NAME:</b> Kelly Kay Basye <b>PHONE (A/C, No, Ext):</b> (520) 382-0338 <b>FAX (A/C, No):</b> (520) 885-0496 <b>E-MAIL ADDRESS:</b> kelly@drachmanins.com	
		<b>INSURER(S) AFFORDING COVERAGE</b>	
		<b>INSURER A:</b> Depositors Insurance	
		<b>INSURER B:</b> AMCO Insurance Company	
		<b>INSURER C:</b>	
		<b>INSURER D:</b>	
		<b>INSURER E:</b>	
		<b>INSURER F:</b>	

**COVERAGES** **CERTIFICATE NUMBER:** CL1612705118 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR *CG7197 (01-07) New Res constr excl applies GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER: *Per Job Agg CG7323 (12-14)	X	Y	ACP GLDO 7246352881 *CG7258 (09-08) WRAP excl applies	12/13/2016	12/13/2017	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
A	<b>AUTOMOBILE LIABILITY</b> <input checked="" type="checkbox"/> ANY AUTO ALL OWNED AUTOS HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS	X	Y	ACP BAPD 7246352881	12/13/2016	12/13/2017	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB EXCESS LIAB DED RETENTION \$	X	Y	ACP CAA 7246352881	12/13/2016	12/13/2017	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000
B	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	ACP WCA 3036429193	12/13/2016	12/13/2017	<input checked="" type="checkbox"/> PER STATUTE E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

JOB: Job Order Master Agreement for Structured Cabling Services; MA-PO-17-197 - Certificate holder is added as an additional insured, general liability, per forms CG7323 (12-14) and CG7246 (11-15) attached. GL Primary and Non-Contributory coverage applies per form CG7246 (11-15) attached. GL Waiver of Subrogation applies per form CG7323 (12-14) attached. Auto additional insured & Auto waiver of subrogation applies per form AC7005 (03-16) attached. Work Comp waiver of subrogation applies per form WC0003 13 (04-84) attached. Coverage applies when required by written contract between the above named insured and the certificate holder but only as respects interest appears and subject to policy

**CERTIFICATE HOLDER**

(520) 724-4434  
Pima County Procurement Department  
Design & Construction Division  
130 W Congress St., 3rd Floor  
Tucson, AZ 85701-1317

**CANCELLATION**

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Kelly Kay Basye/KELLY

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## COMMENTS/REMARKS

conditions, limitations and exclusions. \*Supercedes cert dated 12/07/2016

**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

**ADDITIONAL INSURED – OWNERS, LESSEES OR  
CONTRACTORS – AUTOMATIC STATUS FOR OTHER  
PARTIES WHEN REQUIRED IN WRITTEN  
CONSTRUCTION AGREEMENT**

This endorsement modifies insurance provided under the following:

**COMMERCIAL GENERAL LIABILITY COVERAGE PART**

- A. Section II – Who Is An Insured** is amended to include as an additional insured:

**Ongoing Operations**

1. Any person or organization for whom you are performing operations when you and such person or organization have agreed in writing in a contract or agreement that such person or organization be added as an additional insured on your policy; and
2. Any other person or organization you are required to add as an additional insured under the contract or agreement described in Paragraph 1. above.

Such person(s) or organization(s) is an additional insured only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by:

- a. Your acts or omissions; or
- b. The acts or omissions of those acting on your behalf;

in the performance of your ongoing operations for the additional insured.

However, the insurance afforded to such additional insured described above:

- a. Only applies to the extent permitted by law; and
- b. Will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

A person's or organization's status as an additional insured for ongoing operations ends when your operations for the person or organization described in Paragraph 1. above are completed.

With respect to insurance afforded to these additional insureds for ongoing operations, this insurance does not apply to "bodily injury" or "property damage" occurring after:

- a. All work, including material, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the location of the covered operations has been completed; or
- b. that operation of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.

- B. Section II – Who Is An Insured** is amended to include as an additional insured:

**Products-Completed Operations**

Any person or organization with whom you have agreed in writing in a contract or agreement that such person or organization be added as an additional insured on your policy with respect to liability for "bodily injury" or "property damage" caused, in whole or in part, by "your work" performed for such person or organization and included in the "products-completed operations hazard".

However, the insurance afforded to such additional insured described above:

- a. Only applies to the extent permitted by law; and
- b. Will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

- C. With respect to the insurance afforded to these additional insureds, this insurance does not apply to "bodily injury", "property damage" or "personal and advertising injury" arising out of the rendering**

of, or the failure to render, any professional architectural, engineering or surveying services, including:

1. The preparing, approving, or failing to prepare or approve, maps, shop drawings, opinions, reports, surveys, field orders, change orders or drawings and specifications; or
2. Supervisory, inspection, architectural or engineering activities.

This exclusion applies even if the claims against any insured allege negligence or other wrongdoing in the supervision, hiring, employment, training or monitoring of others by that insured, if the "occurrence" which caused the "bodily injury" or "property damage", or the offense which caused the "personal and advertising injury", involved the rendering of, or the failure to render, any professional architectural, engineering or surveying services.

- D. With respect to the insurance afforded to these additional insureds, the following is added to **Section III – Limits Of Insurance:**

The most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the contract or agreement described in Paragraph A.1. or Paragraph B.; or

2. Available under the applicable Limits of Insurance shown in the Declarations;

whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

- E. With respect to the insurance afforded to these additional insureds, the following is added to **Section IV – Commercial General Liability Conditions, Condition 4. Other Insurance** and supersedes any provision to the contrary:

**Primary And Noncontributory Insurance**

This insurance is primary to and will not seek contribution from any other insurance available to an additional insured under your policy provided that:

- (1) The additional insured is a Named Insured under such other insurance; and
- (2) You have agreed in writing in a contract or agreement that this insurance would be primary and would not seek contribution from any other insurance available to the additional insured.

**All terms and conditions of this policy apply unless modified by this endorsement.**

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

## CONTRACTORS ENHANCEMENT PLUS ENDORSEMENT INCLUDING MEDICAL PAYMENTS

This endorsement modifies insurance provided under the following:

### COMMERCIAL GENERAL LIABILITY COVERAGE FORM

#### A. Lost Key Coverage

1. Under **Section I – Coverages, Coverage A Bodily Injury And Property Damage Liability**, coverage is extended to include the following:

If a customer's master or grand key, excluding electronic key card, is lost while in your care, custody or control we will pay the cost of replacing the keys, including the master lock and all keys used in the same lock, the cost of adjusting locks to accept the new keys, or the cost to replace the locks, whichever is less.

2. **Limit of Insurance** - The most we will pay for "loss" arising out of any one "occurrence" is \$ 10,000.
3. **Section V Definitions** the following is added:

"Loss" means unintentional physical damage or destruction to tangible property, including theft or disappearance. Tangible property does not include money or securities.

#### B. Voluntary Property Damage

1. **Section I – Coverages, Coverage A Bodily Injury And Property Damage Liability**, coverage is extended to include the following:

At your request, we will pay for "property damage" to property of others caused by you and while in your possession, arising out of your business operations and occurring during the policy period.

2. **Limit of Insurance** - The most we will pay for "loss" arising out of any one "occurrence" is \$1500.
3. For the purpose of this extended coverage the following definition is added to **Section V – Definitions**:

"Loss" means unintentional damage or destruction but does not include disappearance, theft, or loss of use.

#### C. Non-Owned Watercraft

Under **Section I – Coverages, Coverage A Bodily Injury And Property Damage Liability, 2. Exclusions**, exclusion g. Aircraft, Auto Or Watercraft Paragraph (2) (a) is replaced with:

(a) Less than 51 feet long; and

#### D. Expanded Property Damage Coverage

1. For the purposes of this endorsement only:

**Section I – Coverages, Coverage A Bodily Injury And Property Damage Liability, 2. Exclusions**, exclusion j. Damage to Property is amended as follows:

a. Paragraphs (3), (5), and (6) are deleted in their entirety.

b. Paragraph (4) is deleted in its entirety and replaced with:

(4) Personal property in the care custody or control of the insured:

(a) for storage or sale at premises you own, rent or occupy; or

(b) while being transported by any aircraft, "auto" or watercraft owned or operated by or rented to or loaned to any insured.

c. The coverage provided by this endorsement does not apply to "property damage":

(1) Arising out of the disappearance or loss of use of personal property; or

(2) Included in the "products-completed operations hazard".

2. **Limit of Insurance** - The most we will pay for "property damage" provided by this coverage in any one "occurrence" is \$5,000.
3. **Deductible** - Our obligation to pay for a covered loss applies only to the amount of loss in excess of \$250.

We will pay the deductible amount to effect settlement of any claim or "suit" and, upon notification of this action having been taken, you shall promptly reimburse us for the deductible as has been paid by us.

This insurance is primary to any expanded property damage coverage provided by a separate endorsement attached to this policy, and it will supplant any deductible in said endorsement.

#### E. Damage To Premises Rented To You

1. Under **Section I – Coverages, Coverage A Bodily Injury And Property Damage Liability**, the last paragraph of **2. Exclusions** is replaced with:

If **Damage to Premises Rented to You** is not otherwise excluded, exclusions c. through n. do not apply to damage by fire, lightning, explosion, smoke or sprinkler leakage to premises while rented to you or temporarily occupied by you with permission of the owner.

2. Under **Section III – Limits Of Insurance**, paragraph 6 is replaced with:

6. Subject to 5. above, the **Damage To Premises Rented To You Limit** is the most we will pay under **Coverage A** for damages because of "property damage" to any one premises, while rented to you, or in the case of damage by fire, lightning, explosion, smoke or sprinkler leakage, while rented to you or temporarily occupied by you with permission of the owner. The limit is increased to \$300,000.

3. Under **Section IV – Commercial General Liability Conditions, 4. Other Insurance, b. Excess Insurance (1) (a) (ii)** is replaced with:

(ii) That is Fire, Lightning, Explosion, Smoke or Sprinkler leakage insurance for premises rented to you or temporarily occupied by you with permission of the owner.

#### F. Supplementary Payments

Under **Section I – Coverages, Supplementary Payments – Coverages A and B** paragraphs 1.b and 1.d. are replaced with:

- b. Up to \$2,500 for cost of bail bonds required because of accidents or traffic law violations arising out of the use of any vehicle to which the Bodily Injury Liability Coverage applies. We do not have to furnish these bonds.
- d. All reasonable expenses incurred by the insured at our request to assist us in the investigation or defense of the claim or "suit", including actual loss of earnings up to \$500 a day because of time off from work.

#### G. Newly Formed And Acquired Organizations

Under **SECTION II – WHO IS AN INSURED** paragraph 3.a. is replaced with:

- a. Coverage under this provision is afforded only until the 180<sup>th</sup> day after you acquire or form the organization or the end of the policy period, whichever is earlier;

#### H. Additional Insured – Automatic Status When Required In An Agreement Or Contract With You

**Section II – Who Is An Insured** is amended to:

1. Any person(s) or organization(s) described in Paragraph 2. below with whom you have agreed in writing in a contract or written agreement that such person or organization be added as an additional insured on your policy during the policy period shown in the Declarations.
2. Any other person or organization you are required to add as an additional insured under the contract or agreement described in Paragraph 1. above.

The person or organization added as an insured by this endorsement is an insured only to the extent you are held liable due to:

- a. **Lessors of Leased Equipment** – with respect to their liability for "bodily injury", "property damage", or "personal and advertising injury", caused in whole or in part by your maintenance, operation or use of equipment leased to you by such person(s) or organization(s). This insurance does not apply to any "occurrence" which takes place after the equipment lease expires.

However, their status as additional insured under this policy ends when their lease, contract or agreement with you for such leased equipment expires.

- b. Managers or Lessors of Premises** – with respect to liability arising out of the ownership, maintenance or use of that part of the premises you own, rent, lease or occupy.

This insurance does not apply to:

- (1) Any "occurrence" which takes place after you cease to be a tenant in that premises.
- (2) Structural alterations, new construction or demolition operations performed by or on behalf of the person or organization.

However, their status as additional insured under this policy ends when you cease to be a tenant of such premises.

- c. State or Political Subdivision – Permits Relating to Premises** – with respect to the following hazards for which the state or political subdivision has issued a permit or authorization in connection with premises you own, rent or control and to which this insurance applies.

- (1) The existence, maintenance, repair, construction, erection, or removal of advertising signs, awnings, canopies, cellar entrances, coal holes, driveways, manholes, marquees, hoist away openings, sidewalk vaults, street banners, or decorations and similar exposures; or
- (2) The construction, erection, or removal of elevators; or
- (3) The ownership maintenance or use of any elevators covered by this insurance.

This insurance does not apply to:

- (1) "Bodily injury" or "property damage" or "personal and advertising injury" arising out of operations performed for the state or municipality; or
- (2) "Bodily injury" or "property damage" included within the "products-completed operations hazard".

However, such state or political subdivision's status as additional insured under this policy ends when the permit ends.

- d. Owners, Lessees, or Contractors** – with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by:

- (1) Your acts or omissions; or
- (2) The acts or omissions of those acting on your behalf;

in the performance of your ongoing operations performed for that additional insured, whether the work is performed by you or on your behalf.

The insurance does not apply to:

- (1) "Bodily injury", "property damage", or "personal and advertising injury" arising out of the rendering of or the failure to render any professional architectural, engineering or survey services, including:
  - (a) The preparing, approving, or failing to prepare or approve maps, shop drawings, opinions, reports, survey, field orders, change orders or drawings and specifications; or
  - (b) Supervisory, inspection, architectural or engineering activities. This exclusion applies even if the claims against any insured allege negligence or other wrongdoing in the supervision, hiring, employment, training or monitoring of others by that insured, if the "occurrence" which caused the "bodily injury" or "property damage", or the offense which caused the "personal and advertising injury", involved the rendering of, or failure to render, any professional, architectural, engineering or surveying services.
- (2) "Bodily injury" or "property damage" occurring after:



- (a) All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the location of the covered operations has been completed; or
- (b) That portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.

However, a person or organization's status as additional insured under this policy ends when your operations for that additional insured are completed.

However, the insurance afforded to such additional insureds a. – d. described above:

- (a) Only applies to the extent permitted by law; and
- (b) Will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

### 3. Primary and Noncontributory – Other Insurance Conditions

The following is added to the **Other Insurance** Condition and supersedes any provisions to the contrary:

#### **Primary and Noncontributory Insurance**

This insurance is primary to and will not seek contribution from any other insurance available to an additional insured under your policy provided that:

- (a) The additional insured is a Named Insured under such other insurance; and
- (b) You have agreed in writing in a contract or agreement that this insurance would be primary and would not seek contribution from any other insurance available to the additional insured.

### I. Employee Bodily Injury To Another Employee

Under **Section II – Who Is An Insured** The following is added to paragraph 2.a.(1):

Paragraphs 2.a.(1) (a), (b) and (c) do not apply to "bodily injury" to a co-"employee" in the course of the co-"employee's" employment by you, or to "bodily injury" to a co-"volunteer worker" while performing duties related to the conduct of your business.

### J. Broad Form Named Insured

Under **Section II – Who Is An Insured** The following is added to paragraph 2.:

- e. Any business entity incorporated or organized under the laws of the United State of America (including any State thereof), its territories or possessions or Canada (including any Province thereof) in which the Named Insured shown in the Declarations owns, during the policy period, an interest of more than fifty percent. If other valid collectible insurance is available to any business entity covered by this solely by reason of ownership by the Named Insured shown in the Declarations in excess of fifty percent, this insurance is excess over the other insurance, whether primary, excess, contingent, or on any other basis.

### K. Aggregate Limit Per Location

Under **Section III – Limits Of Insurance** the following is added to paragraph 2:

The General Aggregate Limit under **Section III Limits of Insurance** applies separately to each of your locations owned by or rented to you or temporarily occupied by you with the permission of the owner. For the purposes of this provision, location means premises involving the same or connecting lots, or premises whose connection is interrupted only by a public street, roadway, waterway or railroad right-of-way.

### L. Aggregate Limit Per Project

Under **Section III – Limits Of Insurance** The following paragraph is added to paragraph 2:

The General Aggregate Limit under **Section III Limits of Insurance** applies separately to each of your construction projects away from premises owned by or rented to you.

**M. Medical Payments**

Under **Section III – Limits Of Insurance**, paragraph 7. is replaced with:

7. Subject to 5. above, the higher of:
- \$10,000; or
  - The amount shown in the Declarations for Medical Expense Limit is the most we will pay under Coverage C for all medical expenses because of "bodily injury" sustained by one person.

This coverage does not apply if **Coverage C – Medical Payments** is excluded either by the provisions of any coverage forms attached to the policy or by endorsement.

**N. Knowledge Of An Occurrence**

Under **Section IV – Commercial General Liability Conditions**, The following is added to **2. Duties In The Event Of Occurrence, Offense, Claim Or Suit condition**:

- Knowledge of an occurrence, offense, claim or suit by an agent or employee of any insured shall not in itself constitute knowledge of the insured unless you, a partner, if you are a partnership; or an executive officer or insurance manager, if you are a corporation receives such notice of an occurrence, offense, claim or suit from the agent or employee.
- The requirements in paragraph b. will not be considered breached unless there is knowledge of occurrence as outlined in paragraph e. above.

**O. Unintentional Failure To Disclose Hazard**

Under **Section IV – Commercial General Liability Conditions**, **6. Representations** the following paragraph is added:

- Your failure to disclose all hazards or prior "occurrences" or offenses existing as of the inception date of the policy shall not prejudice the coverage afforded by this policy provided such failure to disclose all

hazards or prior "occurrences" or offenses is not intentional. This provision does not affect our right to collect additional premium or exercise our right of cancellation or non-renewal.

**P. Waiver Of Subrogation**

Under **Section IV – Commercial General Liability Conditions**, **8. Transfer of Rights of Recovery Against Others to Us** the following paragraph is added:

If required by a written contract executed prior to loss, we waive any right of subrogation we may have against the contracting person or organization because of payments we make for injury or damage arising out of your ongoing operations or "your work" done under a contract with that person or organization and included in the "products-completed operations hazards".

**Q. Liberalization**

Under **Section IV – Commercial General Liability Conditions**, **10. Liberalization** the following paragraph is added:

If we revise this coverage form to provide more coverage without additional premium charge, your policy will automatically provide the additional coverage as of the day the revision is effective in your state.

**R. Broadened Bodily Injury Definition (Mental Anguish)**

Under **Section V – Definitions** definition 3. is replaced with:

- "Bodily injury" means physical injury, sickness or disease to a person and, if arising out of the foregoing, mental anguish, mental injury, shock or humiliation, including death at any time resulting therefrom.

**All terms and conditions of this policy apply unless modified by this endorsement.**

**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

## **EXCLUSION – OPERATIONS COVERED BY A CONSOLIDATED (WRAP-UP) INSURANCE PROGRAM**

This endorsement modifies insurance provided under the following:

### **COMMERCIAL GENERAL LIABILITY COVERAGE PART**

The following exclusion is added to paragraph 2., Exclusions of COVERAGE A – BODILY INJURY AND PROPERTY DAMAGE LIABILITY (Section I – Coverages):

This insurance, including any duty to defend, does not apply to "bodily injury" or "property damage" arising out of either your ongoing operations or operations included within the "products-completed operations hazard" at any location where a consolidated (wrap-up) insurance program has been provided by the prime contractor/project manager or owner of the construction project in which you are involved.

This exclusion applies whether or not the consolidated (wrap-up) insurance program:

- (1) Provides coverage identical to that provided by this Coverage Part;
- (2) Has limits adequate to cover all claims; or
- (3) Remains in effect.

**All terms and conditions of this policy apply unless modified by this endorsement.**

POLICY NUMBER:

COMMERCIAL GENERAL LIABILITY  
CG 71 97 01 07

**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

## **EXCLUSION OF RESIDENTIAL CONSTRUCTION**

This endorsement modifies insurance provided under the following:

### **COMMERCIAL GENERAL LIABILITY COVERAGE FORM**

- A. The following exclusion is added to Paragraph 2., **Exclusions of Section I – Coverage A – Bodily Injury And Property Damage Liability**:

#### **2. Exclusions**

This insurance does not apply to:

"Property damage" arising out of any construction operations, whether ongoing operations or the "products-completed operations hazard", which involve the design, development, site preparation, construction, marketing or sales of single or multifamily housing or residential condominiums or residential apartments.

This exclusion applies to construction operations whether performed by the insured or on the insured's behalf.

This exclusion does not apply to:

- 1) Repair or service work
- 2) Renovation or Remodeling work.

**All terms and conditions of this policy apply unless modified by this endorsement.**

**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

## **BUSINESS AUTO PROTECTION - GOLD**

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE FORM

### **SUMMARY OF COVERAGES**

- A. Effect of This Endorsement
- B. Newly Acquired or Formed Entities
- C. Employees as Insureds — Nonowned Autos
- D. Additional Insured by Contract, Permit or Agreement
- E. Supplementary Payments — Bail Bonds
- F. Supplementary Payments — Loss of Earnings
- G. Personal Effects and Property of Others Extension
- H. Prejudgment Interest Coverage
- I. Fellow Employee — Officer, Managers and Supervisors
- J. Hired Auto Physical Damage
- K. Temporary Substitute Autos — Physical Damage Coverage
- L. Expanded Towing Coverage
- M. Auto Loan or Lease Coverage
- N. Original Equipment Manufacturer Parts — Leased Private Passenger Types
- O. Deductible Amendments
- P. Rental Reimbursement Coverage
- Q. Expanded Transportation Expense
- R. Extra Expense — Stolen Autos
- S. Physical Damage Limit of Insurance
- T. New Vehicle Replacement Cost
- U. Physical Damage Coverage Extension
- V. Transfer of Rights of Recovery Against Others To Us
- W. Section IV — Business Auto Conditions — Notice of and Knowledge of Occurrence
- X. Hired Car Coverage Territory
- Y. Emergency Lock Out
- Z. Cancellation Condition

**A. EFFECT OF THIS ENDORSEMENT**

Coverage provided under this policy is modified by the provisions of this endorsement. If there is any conflict between the provisions of this endorsement and the provision(s) of any state-specific endorsement also attached to this policy, then the provision(s) of the state-specific endorsement shall apply instead of the provisions of this endorsement that are in conflict, but only to the extent of the conflict, and only to the extent necessary to bring such provisions into conformance with the state requirement(s) contained in the provision(s) of the state-specific endorsement.

**B. NEWLY ACQUIRED OR FORMED ENTITIES**

The Named Insured shown in the Declarations is amended to include any organization you newly acquire or form, other than a partnership, joint venture, or limited liability company, and over which you maintain ownership or majority (more than 50%) interest, if there is no other similar insurance available to that organization. Coverage under this provision is afforded until the 180<sup>th</sup> day after you acquire or form the organization or the end of the policy period, whichever is later.

**C. EMPLOYEES AS INSUREDS - NONOWNED AUTOS**

The following is added to paragraph A.1. Who Is An Insured of SECTION II - COVERED AUTOS LIABILITY COVERAGE:

- d. Any "employee" of yours is an "insured" while using a covered "auto" you don't own, hire or borrow in your business or your personal affairs.

**D. ADDITIONAL INSURED BY CONTRACT, PERMIT OR AGREEMENT**

The following is added to A.1. Who Is An Insured of SECTION II - COVERED AUTOS LIABILITY COVERAGE:

Any person or organization that you are required to name as an additional insured in a written contract or agreement that is executed or signed by you prior to a "bodily injury" or "property damage" occurrence is an "insured" for Covered Auto Liability coverage. However, with respect to covered "autos", such person or organization is an insured only to the extent that person or organization qualifies as an "insured" under A.1. Who is an Insured of SECTION II - COVERED AUTOS LIABILITY COVERAGE:

If specifically required by the written contract or agreement referenced in the paragraph above, any coverage provided by this endorsement to an additional insured shall be primary and any other valid and collectible insurance available to the additional insured shall be non-contributory with this insurance. If the written contract does not require this coverage to be primary and the additional insured's coverage to be non-contributory, then this insurance will be excess over any other valid and collectible insurance available to the additional insured.

**E. SUPPLEMENTARY PAYMENTS - BAIL BONDS**

Supplementary Payments of SECTION II - COVERED AUTOS LIABILITY COVERAGE is revised as follows:

- (2) Up to \$2,500 for cost of bail bonds (including bonds for related traffic law violations) required because of an "accident" we cover. We do not have to furnish these bonds.

**F. SUPPLEMENTARY PAYMENTS - LOSS OF EARNINGS**

Supplementary Payments of the SECTION II - COVERED AUTOS LIABILITY COVERAGE is revised as follows:

- (4) All reasonable expenses incurred by the "insured" at our request, including actual loss of earnings up to \$500 a day because of time off from work.

**G. PERSONAL EFFECTS AND PROPERTY OF OTHERS EXTENSION**

1. The Care, Custody or Control Exclusion of SECTION II - COVERED AUTOS LIABILITY COVERAGE, does not apply to "property damage" to property, other than your property, up to an amount not exceeding \$250 in any one "accident". Coverage is excess over any other valid and collectible insurance.

2. The following paragraph is added to A.4. Coverage Extensions of SECTION III - PHYSICAL DAMAGE COVERAGE:

- c. We will pay up to \$500 for your property that is lost or damaged as a result of a covered "loss", without applying a deductible. Coverage is excess over any other valid and collectible insurance.

#### H. PREJUDGMENT INTEREST COVERAGE

The following paragraph is added to SECTION II – COVERED AUTOS LIABILITY COVERAGE, 2. Coverage Extensions, a. Supplementary Payments:

- (7) Prejudgment interest awarded against the "insured" on that part of the judgment we pay. If we make an offer to pay the applicable limit of insurance, we will not pay any prejudgment interest based on that period of time after the offer.

#### I. FELLOW EMPLOYEE – OFFICERS, MANAGERS, AND SUPERVISORS

The Fellow Employee Exclusion in SECTION II – COVERED AUTOS LIABILITY COVERAGE is replaced as follows:

- A. "Bodily injury" to any fellow "employee" of the "insured" arising out of and in the course of the fellow "employee's" employment or while performing duties related to the conduct of your business. This exclusion does not apply to an "insured" who occupies a position as an officer, manager, or supervisor.

#### J. HIRED AUTO PHYSICAL DAMAGE

If covered "auto" designation symbols 1 or 8 apply to Liability Coverage and if at least one "auto" you own is covered by this policy for Comprehensive, Specified Causes of Loss, or Collision coverages, then the Physical Damage coverages provided are extended to "autos" you lease, hire, rent or borrow without a driver; and provisions in the Business Auto Coverage Form applicable to Hired Auto Physical Damage apply up to a limit of \$100,000. The deductible will be equal to the largest deductible applicable to any owned "auto" for that coverage. Any Comprehensive deductible does not apply to fire or lightning.

#### K. TEMPORARY SUBSTITUTE AUTOS – PHYSICAL DAMAGE COVERAGE

The following is added to paragraph C. Certain Trailers, Mobile Equipment And Temporary Substitute Autos of SECTION I - COVERED AUTOS:

If Physical Damage Coverage is provided by this Coverage Form, the following types of vehicles are also covered "autos" for Physical Damage Coverage:

Any "auto" you do not own while used with the permission of its owner as a temporary

substitute for a covered "auto" you own that is out of service because of its:

- a. Breakdown;
- b. Repair;
- c. Servicing;
- d. "Loss"; or
- e. Destruction

The coverage that applies is the same as the coverage provided for the vehicle being replaced.

#### L. EXPANDED TOWING COVERAGE

1. We will pay up to:
  - a. \$100 for a covered "auto" you own of the private passenger type, or
  - b. \$500 for a covered "auto" you own that is not of the private passenger type,for towing and labor costs incurred each time the covered "auto" is disabled. However, the labor must be performed at the place of disablement.
2. This coverage applies only for an "auto" covered on this policy for Comprehensive or Specified Causes of Loss Coverage and Collision Coverages.
3. Payment applies in addition to the otherwise applicable amount of each coverage you have on a covered "auto".

#### M. AUTO LOAN OR LEASE COVERAGE

1. In the event of a total "loss" to a covered "auto", we will pay any unpaid amount due on the loan or lease, including up to a maximum of \$500 for early termination fees or penalties, for your covered "auto" less:
  - a. The amount paid under SECTION III – PHYSICAL DAMAGE COVERAGE of this policy; and
  - b. Any:
    - 1) Overdue lease/loan payments at the time of the "loss";
    - 2) Financial penalties imposed under a lease for excessive use, abnormal wear and tear or high mileage;
    - 3) Security deposits not refunded by a lessor;
    - 4) Costs of extended warranties, Credit Life insurance, Health, Accident, or Disability insurance purchased with the lease; and

- 5) Carry-over balances from previous leases.
2. This coverage only applies to a "loss" which is also covered under this policy for Comprehensive, Specified Causes of Loss, or Collision coverage.
3. Coverage does not apply to any unpaid amount due on a loan for which the covered "auto" is not the sole collateral.

**N. ORIGINAL EQUIPMENT MANUFACTURER PARTS - LEASED PRIVATE PASSENGER TYPES**

Under Paragraph C. Limit of Insurance of SECTION III - PHYSICAL DAMAGE COVERAGE, Section 4 is added as follows:

4. We will use new original equipment vehicle manufacturer parts for any private passenger type covered "auto" where required by the lease agreement which has a term of at least six months. If a new original equipment vehicle manufacturer part is not in production or distribution we may use a like, kind and quality replacement part.

**O. DEDUCTIBLE AMENDMENTS**

The following are added to the Deductible provision of SECTION III - PHYSICAL DAMAGE COVERAGE:

If another policy or coverage form that is not an automobile policy or coverage form issued by this company applies to the same "accident", the following applies:

1. If the deductible under this coverage is the smaller (or smallest) deductible, it will be waived.
2. If the deductible under this coverage is not the smaller (or smallest) deductible, it will be reduced by the amount of the smaller (or smallest) deductible.

If a Comprehensive or Specified Causes of Loss Coverage "loss" from one "accident" involves two or more covered "autos", only the highest deductible applicable to those coverages will be applied to the "accident," if the cause of the loss is covered for those vehicles. This provision only applies if you carry Comprehensive or Specified Causes of Loss Coverage for those vehicles, and does not extend coverage to any covered "autos" for which you do not carry such coverage.

No deductible applies to glass if the glass is repaired, in a manner acceptable to us, rather than replaced.

**P. RENTAL REIMBURSEMENT COVERAGE**

1. This coverage applies only to a covered "auto" for which Physical Damage Coverage is provided on this policy.
2. We will pay for rental reimbursement expenses incurred by you for the rental of an "auto" because of "loss" to a covered "auto". Payment applies in addition to the otherwise applicable amount of each coverage you have on a covered "auto." No deductibles apply to this coverage.
3. We will pay only for those expenses incurred during the policy period beginning 24 hours after the "loss" and ending, regardless of the policy's expiration, with the lesser of the following number of days:
  - a. The number of days reasonably required to repair or replace the covered "auto". If "loss" is caused by theft, this number of days is added to the number of days it takes to locate the covered "auto" and return it to you.
  - b. The number of days shown in the Schedule.
4. Our payment is limited to the lesser of the following amounts:
  - a. Necessary and actual expenses incurred.
  - b. \$75 for any one day or for a maximum of 30 days.
5. This coverage does not apply while there are spare or reserve "autos" available to you for your operations.
6. If "loss" results from the total theft of a covered "auto" of the private passenger type, we will pay under this coverage only that amount of your rental reimbursement expenses which is not already provided for under SECTION III - PHYSICAL DAMAGE COVERAGE Coverage Extension.

**Q. EXPANDED TRANSPORTATION EXPENSE**

Paragraph A.4.a. of SECTION III - PHYSICAL DAMAGE COVERAGE is replaced by the following:

We will pay up to \$50 per day to a maximum of \$1500 for temporary transportation expense incurred by you because of the total theft of a



covered "auto" of the private passenger type. We will only pay for those covered "autos" for which you carry Comprehensive or Specified Causes of Loss Coverage. We will pay for temporary transportation expenses incurred during the period beginning 24 hours after the theft and ending, regardless of the policy's expiration, when the covered "auto" is returned to use or we pay for its "loss".

#### R. EXTRA EXPENSE - STOLEN AUTOS

The following paragraph is added to Coverage Extensions of SECTION III - PHYSICAL DAMAGE COVERAGE:

- c. We will pay for up to \$5,000 for the expense of returning a stolen covered "auto" to you. We will pay only for those covered "autos" for which you carry Comprehensive or Specified Causes of Loss Coverage

#### S. PHYSICAL DAMAGE LIMIT OF INSURANCE

Under SECTION III - PHYSICAL DAMAGE COVERAGE, Paragraph C., Limit of Insurance is replaced by the following:

##### C. Limit Of Insurance

1. The most we will pay for "loss" in any one "accident" is the lesser of:
  - a. The actual cash value of the damaged or stolen property as of the time of the "loss", or
  - b. The cost of repairing or replacing the damaged or stolen property.
2. \$1500 is the most we will pay for "loss" in any one "accident" to all electronic equipment that reproduces, receives or transmits audio, visual or data signals which, at the time of "loss", is:
  - a. Permanently installed in or upon the covered "auto" in a housing, opening or other location that is not normally used by the "auto" manufacturer for the installation of such equipment.
  - b. Removable from a permanently installed housing unit as described in Paragraph 2.a. above or is an integral part of that equipment; or
  - c. An integral part of such equipment.
3. An adjustment for depreciation and physical condition will be made in determining actual cash value in the event of a total "loss".
4. The cost of repairing or replacing may:
  - a. Be based on an estimate which includes parts furnished by the original equip-

ment manufacturer or other sources including non-original equipment manufacturers and

- b. If a repair or replacement results in better than like kind or quality, we will not pay for the amount of the net improvement.

5. If we offer to pay the actual cash value of the damaged or stolen property, we will value auto advertising wraps, paint customization, and similar business related advertising modifications, in addition to the actual cash value of the property. Auto advertising wraps, paint customization, and similar business related advertising modifications will be valued at the cost to replace them with an adjustment made for depreciation and physical condition.

#### T. NEW VEHICLE REPLACEMENT COST

The following is added to the Limit of Insurance provision of SECTION III - PHYSICAL DAMAGE COVERAGE:

5. The provisions of paragraphs 1. and 3. do not apply to a covered "auto" of the private passenger type or a vehicle with a gross vehicle weight rating of 20,000 pounds or less which is a "new vehicle."

In the event of a total "loss" to your new vehicle to which this coverage applies, we will pay at your option:

- a. The verifiable "new vehicle" purchase price you paid for your damaged vehicle, not including any insurance or warranties purchased;
- b. If it is available, the purchase price, as negotiated by us, of a "new vehicle" of the same make, model, and equipment or the most similar model available, not including any furnishings, parts, or equipment not installed by the manufacturer or manufacturers' dealership; or
- c. The market value of your damaged vehicle, not including any furnishings, parts, or equipment not installed by the manufacturer or manufacturer's dealership.

We will not pay for initiation or set up costs associated with loans or leases

As used in this endorsement, a "new vehicle" means an "auto" of which you are the original owner that has not been previ-

ously titled and which you purchased less than 365 days before the date of the "loss".

**U. PHYSICAL DAMAGE COVERAGE EXTENSIONS**

Under SECTION III – PHYSICAL DAMAGE COVERAGE, A. Coverage, Coverage Extensions, b. Loss of Use Expenses is replaced by the following:

**b. Loss of Use Expenses**

For Hired Auto Physical Damage, we will pay expenses for which an "insured" becomes legally responsible to pay for loss of use of a vehicle rented or hired without a driver, under a written rental contract or agreement. We will pay for loss of use expenses if caused by:

- (1) Other than collision if the Declarations indicate that Comprehensive Coverage is provided for any covered "auto";
- (2) Specified Causes of Loss only if the Declarations indicate that Specified Causes of Loss Coverage is provided for any covered "auto"; or
- (3) Collision only if the Declarations indicate that Collision Coverage is provided for any covered "auto."

However, the most we will pay for any expenses for loss of use is \$50 per day, to a maximum of \$1,500. The insurance provided by this provision is excess over any other collectible insurance.

**V. TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US**

The following is added to the Transfer Of Rights Of Recovery Against Others To Us Condition:

We waive any right of recovery we may have against any person or organization to the extent required of you by a written contract executed prior to any "accident" because of payments we make for damages under this coverage form.

**W. NOTICE OF AND KNOWLEDGE OF OCCURRENCE**

SECTION IV – BUSINESS AUTO CONDITIONS, Paragraph A is amended as follows:

**6. NOTICE OF AND KNOWLEDGE OF OCCURRENCE**

a. Your obligation in the Duties in the Event of Accident, Claim, Suit or Loss Condition relative to notification requirements applies only when the "accident" or "loss" is known to:

- (1) You, if you are an individual;
- (2) A partner, if you are a partnership;
- (3) A member, if you are a limited liability company; or
- (4) An executive officer or insurance manager, if you are a corporation.

b. Your obligation in the Duties in the Event of Accident, Claim, Suit or Loss Condition relative to providing us with documents concerning a claim or "suit" will not be considered breached unless the breach occurs after such claim or "suit" is known to:

- (1) You, if you are an individual;
- (2) A partner, if you are a partnership;
- (3) A member, if you are a limited liability company; or
- (4) An executive officer or insurance manager, if you are a corporation.

**X. HIRED CAR – COVERAGE TERRITORY**

Item (5) of the Policy Period, Coverage Territory General Conditions is replaced by the following:

- (5) Anywhere in the world if a covered "auto" is leased, hired, rented or borrowed without a driver for a period of 30 days or less; and

**Y. EMERGENCY LOCKOUT**

We will reimburse you up to \$100 for reasonable expense incurred for the services of a locksmith to gain entry into your covered "auto" subject to these provisions:

1. Your door key, electronic key or key entry pad has been lost, stolen or locked in your covered "auto" and you are unable to enter such "auto", or
2. Your keyless entry device battery dies and you are unable to enter such "auto" as a result,
3. Your key, electronic key or key entry pad has been lost or stolen and you have changed the lock to prevent an unauthorized entry; and

**COMMERCIAL AUTO**  
**AC 70 05 03 16**

4. Original copies of receipts for services of a locksmith must be provided before reimbursement is payable.

**Z. CANCELLATION CONDITION**

Paragraph A.2. of the COMMON POLICY CONDITION — CANCELLATION applies except as follows:

If we cancel for any reason other than non-payment of premium, we will mail or deliver to the First Named Insured written notice of cancellation at least 60 days before the effective date of cancellation. This provision does not apply in those states that require more than 60 days prior notice of cancellation.



PROCUREMENT DEPARTMENT  
DESIGN & CONSTRUCTION DIVISION • 130 W. CONGRESS STREET, 3RD FLOOR • TUCSON, ARIZONA 85701-1317  
TELEPHONE (520) 724-3731 • FAX (520) 724-4434

INSURANCE CARRIER VERIFIES PIMA COUNTY IS NAMED AS ADDITIONAL INSURED TO THE COMPREHENSIVE COMMERCIAL GENERAL LIABILITY POLICY AND THE COMPREHENSIVE AUTOMOBILE LIABILITY POLICY REFERENCED BELOW, THE COUNTY BEING ADDED BY ENDORSEMENT TO THE POLICIES.

**\*\*Blanket GL/Auto additional insured endorsements apply as attached to certificates dated 03-09-2017/KKB\*\***

Drachman Insurance Services

Insured Firm

ACP7246352881

Policy Number

Allied (Nationwide)

Insurance Carrier

  
Authorized Carrier Signature (Agent signature) Kelly Kay Basye  
Printed Name

03-09-2017  
Date of Signature

NOTE: This document must be included with Insurance Certificates at time of signing contract or renewing contract.

**WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT**

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule. (This agreement applies only to the extent that you perform work under a written contract that requires you to obtain this agreement from us.)

This agreement shall not operate directly or indirectly to benefit anyone not named in the Schedule.

**Schedule**

**ANY PERSON OR ORGANIZATION WITH WHOM YOU HAVE ENTERED INTO A WRITTEN CONTRACT WHERE A CONDITION OF THIS CONTRACT REQUIRES YOU TO OBTAIN THIS AGREEMENT.**

**THIS ENDORSEMENT IS EFFECTIVE ONLY WHERE PERMITTED BY STATUTE OR REGULATION.**

This endorsement changes the policy to which it is attached and is effective on the date issued unless otherwise stated.

(The information below is required only when this endorsement is issued subsequent to preparation of the policy.)

Endorsement Effective  
Insured

Policy No.

Endorsement No.  
Premium

Insurance Company

Countersigned by \_\_\_\_\_

WC 00 03 13  
(Ed. 04-84)

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CHECK SHEET & TRANSMITTAL

DATE: March 6, 2017

PROJECT: Job Order Master Agreement: Structured Cabling Services

X Performance Bond  
(In accordance with the terms in the contract)  
**DS** By initialing here, Our company will supply bonds on a job-order by job-order basis, and the Contracting Department will obtain the appropriate bonds from Contractor upon issuance of a Job Order and release the Delivery Order.

X Payment Bond  
(In accordance with the terms in the contract)  
**DS** By initialing here, Our company will supply bonds on a job-order by job-order basis, and the Contracting Department will obtain the appropriate bonds from Contractor upon issuance of a Job Order and release the Delivery Order.

A Certified copy of Power of Attorney of the person signing for the Surety Company must be dated and filed with the bonds.

KINDLY HAVE RESIDENT AGENT COUNTERSIGN THE BONDS (other than the "Attorney in Fact"), AS PROVIDED FOR ON THE BOND FORMS.

**INSURANCE**

X Certificate of Evidence of Workers' Compensation for Prime Contractor.

X Certificate of Commercial General Liability Insurance (in the amount as stated in the original bid documents) for Prime Contractor. **IMPORTANT: CERTIFICATE SHALL SHOW PIMA COUNTY AS ADDITIONAL INSURED AND ADDED ON POLICY BY ENDORSEMENT FOR COMMERCIAL GENERAL LIABILITY.**

X Certificate of Comprehensive Automobile Liability Insurance (in the amount as stated in the original bid documents. **IMPORTANT: CERTIFICATE SHALL SHOW PIMA COUNTY AS ADDITIONAL INSURED AND ADDED ON POLICY BY ENDORSEMENT FOR COMPREHENSIVE AUTOMOBILE LIABILITY.**

N/A Certificate of Professional Liability Insurance

X Builder's Risk Insurance including: Fire, Extended Coverage, Vandalism & Malicious Mischief and Theft. Builder's Risk Insurance applies to this Agreement, but need not be provided unless required for a particular job order. Builder's Risk insurance shall be required on all vertical construction.  
The policy should list Pima County as a loss payee.

**OTHER REQUIREMENTS**

Please remember that Pima County needs to be added as an additional insured to the general liability AND automobile liability policy. Addition of the name "Pima County" at the bottom of the general and auto certificates is NOT sufficient to add Pima County as additional insured. We require either an endorsement adding Pima County as additional insured to each policy (general and auto), a blanket endorsement or completion of the attached additional insured form. Your insurance company should be able to complete this additional insured requirement for you; they can contact Christy Bustillos if they have questions.

**Christy A. Bustillos**

Procurement Design & Construction

Ph.: (520) 724-8414 / Email: Christy.bustillos@pima.gov

Additional Insured for Commercial General Liability and Comprehensive Automobile Liability Endorsement Form (attached)



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

3/7/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Rick Smith Koty-Leavitt Insurance Agency, Inc. 6992 E. Broadway Blvd Tucson AZ 85710-2803	CONTACT NAME: Melanie Smith PHONE (A/C No. Ext): (520) 571-1900 FAX (A/C No.): (520) 571-9667 E-MAIL: melanie-smith@leavitt.com ADDRESS: INSURER(S) AFFORDING COVERAGE INSURER A: Secura Insurance Company INSURER B: Hartford Fire Insurance Co. INSURER C: INSURER D: INSURER E: INSURER F:
INSURED Solutions i3, LLC 12112 N Rancho Vistoso Blvd Suite #150-116 Oro Valley AZ 85737	NAIC # 22543 19682

COVERAGES CERTIFICATE NUMBER: 16/17 GL/CA/WC REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:	X	Y	CP3230290	11/20/2016	11/20/2017	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
A	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input checked="" type="checkbox"/> ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS	X	Y	A3230291	11/20/2016	11/20/2017	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
	UMBRELLA LIAB EXCESS LIAB DED RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$ \$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	59WECKU6653	4/6/2016	4/6/2017	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

RE: JOC Structured Cabling Services

Pima County, its departments, districts, boards, commissions, officers, officials, agents, and employees are endorsed as additional insured on General Liability and Auto Liability policies per enclosed forms CG2033(07/04), CG2037(07/04), and CAE 0131 0810. This coverage shall be primary & non-contributory per enclosed form CGE 2266 9911. Waiver of subrogation applies on General Liability, Auto Liability, and Workers Compensation per enclosed forms CG2404(10/93), CAE0131 0810, and WC000313(4/84).

## CERTIFICATE HOLDER

Christy.Bustillos@pima.gov

Pima County Procurement  
Design and Construction Division  
130 W. Congress, 3rd Floor  
DT-AB3-126  
Tucson, AZ 85701

## CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

R Smith (SP)/MESMIT

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**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

**ADDITIONAL INSURED – OWNERS, LESSEES OR  
CONTRACTORS – AUTOMATIC STATUS WHEN  
REQUIRED IN CONSTRUCTION AGREEMENT WITH YOU**

This endorsement modifies insurance provided under the following:

**COMMERCIAL GENERAL LIABILITY COVERAGE PART**

**A. Section II – Who Is An Insured** is amended to include as an additional insured any person or organization for whom you are performing operations when you and such person or organization have agreed in writing in a contract or agreement that such person or organization be added as an additional insured on your policy. Such person or organization is an additional insured only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by:

1. Your acts or omissions; or
2. The acts or omissions of those acting on your behalf;

in the performance of your ongoing operations for the additional insured.

A person's or organization's status as an additional insured under this endorsement ends when your operations for that additional insured are completed.

**B. With respect to the insurance afforded to these additional insureds, the following additional exclusions apply:**

This insurance does not apply to:

1. "Bodily injury", "property damage" or "personal and advertising injury" arising out of the rendering of, or the failure to render, any professional architectural, engineering or surveying services, including:
  - a. The preparing, approving, or failing to prepare or approve, maps, shop drawings, opinions, reports, surveys, field orders, change orders or drawings and specifications; or
  - b. Supervisory, inspection, architectural or engineering activities.
2. "Bodily injury" or "property damage" occurring after:
  - a. All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the location of the covered operations has been completed; or
  - b. That portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.



POLICY NUMBER: CP3230290

COMMERCIAL GENERAL LIABILITY  
CG 20 37 07 04

**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

**ADDITIONAL INSURED – OWNERS, LESSEES OR  
CONTRACTORS – COMPLETED OPERATIONS**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

**SCHEDULE**

Name Of Additional Insured Person(s) Or Organization(s):	Location And Description Of Completed Operations
ANY ENTITY REQUIRED TO BE ADDED AS ADDITIONAL INSURED IN A WRITTEN AGREEMENT SIGNED PRIOR TO A LOSS FOR ALL JOBS COMPLETED ON OR AFTER THE INCEPTION DATE OF THIS POLICY	PER WRITTEN CONTRACT
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.	

Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury" or "property damage" caused, in whole or in part, by "your work" at the location designated and described in the schedule of this endorsement performed for that additional insured and included in the "products-completed operations hazard".

POLICY: CP3230290

**Primary & Noncontributory Amendment of Conditions  
for Designated Additional Insured**

THIS ENDORSEMENT CHANGES YOUR POLICY. PLEASE READ IT CAREFULLY

This endorsement modifies insurance provided under the following:  
**COMMERCIAL GENERAL LIABILITY COVERAGE FORM**

Subject to the provisions of COMMERCIAL GENERAL LIABILITY COVERAGE FORM, and this endorsement the following provisions are changed as follows; when required by a written contract with the designated additional insured:

**Schedule**

**Designated Additional Insured:** Any person or organization other than a joint venture, for which you have agreed by written contract to procure bodily injury or property damage liability insurance, arising out of your continuing operations.

*If information necessary to complete this form is not provided above it will be shown on the Endorsement Schedule.*

**A. Other Insurance Amended**

1. **Primary** -- With respect to the designated additional insured shown in the schedule, Section IV -- Commercial General Liability Conditions, Paragraph 4. Other insurance, a. Primary insurance is replaced by:

**a. Primary Insurance**

Where required by a written contract, this insurance is primary as respects any other insurance policy issued to the designated additional insured. Otherwise, b. below applies.

Section IV -- Commercial General Liability Conditions, Paragraph 4. Other insurance, b. Excess insurance is amended by adding sub-paragraph (3):

**b. Excess Insurance**

This insurance is excess over:

- (3) Any of the other insurance available to the designated additional insured; except any other insurance policy issued to the designated additional insured, whether primary, excess, contingent or on any other basis.

2. **Non contributory** --With respect to the designated additional insured shown in the schedule, Section IV-- Commercial General Liability Conditions, Paragraph 4. Other insurance, c. Method of Sharing is amended by adding the following sub-paragraph:

**c. Method Of Sharing**

This paragraph does not apply with respect to any other insurance policy issued to the designated additional insured. This insurance shall not contribute in any manner with any other insurance policy issued to the designated additional insured.

All other terms and conditions remain unchanged.

# AUTO ADDITIONAL INSURED WRAP

This endorsement changes your policy. Please read it carefully.

This endorsement modifies insurance provided under the following:  
BUSINESS AUTO COVERAGE FORM

With respect to coverage provided by this endorsement, the provisions of the Coverage Form apply unless modified by the endorsement.

## A. AUTOMATIC ADDITIONAL INSURED – PRIMARY AND NONCONTRIBUTORY

SECTION II – LIABILITY COVERAGE, subsection A. Coverage, paragraph 1. Who Is An Insured is amended to add:

### d. (1) Automatic Additional Insured – Primary And Noncontributory

Any person or organization is an additional insured when you and such person or organization have agreed in writing in a contract or agreement that such person or organization be added as additional insured on your policy. Such person or organization is an additional insured only with respect to liability for "bodily injury" or "property damage" resulting from the ownership, maintenance or use of a covered "auto", provided the "bodily injury" or "property damage" is caused, in whole or in part, by you or by those acting on your behalf. This insurance is primary and is not contributing with any other insurance carried by the additional insured.

### (2) Blanket Lessor Additional Insured Provisions

If the additional Insured is a lessor of a "leased auto";

#### (a) Coverage

- i. Any "leased auto" that is a covered "auto" will be considered a covered "auto" you own and not a covered "auto" you hire or borrow.

For a covered "auto" that is a "leased auto" Who Is An Insured is changed to include as an "Insured" the lessor.

- ii. The coverages provided under this endorsement apply to any "leased auto" until the policy expiration date, or when the lessor or his or her agent takes possession of the "leased auto", whichever occurs first.

#### (b) Loss Payable Clause

- i. We will pay, as interest may appear, you and the lessor for "loss" to a "leased auto".
- ii. The insurance covers the interest of the lessor unless the "loss" results from fraudulent acts or omissions on your part.
- iii. If we make any payment to the lessor, we will obtain his or her rights against any other party.

#### (c) The lessor is not liable for payment of your premiums.

#### (d) Additional Definition

As used in this endorsement:

"Leased auto" means an "auto" leased or rented to you including any substitute, replacement or extra "auto" needed to meet seasonal or other needs, under a leasing or rental agreement that required you to provide direct primary insurance for the lessor.

**B. WAIVER -- TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US**

SECTION IV – BUSINESS AUTO CONDITIONS, subsection A. Loss Conditions, paragraph 5. Transfer Of Rights Of Recovery Against Others To Us is amended to add:

We waive any right of recovery we may have against any person or organization when you and such person or organization have agreed in writing in a contract or agreement that such person or organization be waived from recovery because of payments we make for injury or damage arising out of an "accident" and resulting from the ownership, maintenance or use of a covered "auto". However, our rights may only be waived prior to the "accident" for which we make payment under this Coverage Part. The insured must do nothing after a loss to impair our rights.

POLICY NUMBER: CP3230290

COMMERCIAL GENERAL LIABILITY  
CG 24 04 10 93

**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

**WAIVER OF TRANSFER OF RIGHTS OF RECOVERY  
AGAINST OTHERS TO US**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

**SCHEDULE**

Name of Person or Organization: AUTOMATIC STATUS WHEN REQUIRED BY  
WRITTEN CONTRACT

(If no entry appears above, information required to complete this endorsement will be shown in the Declarations as applicable to this endorsement.)

The TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US Condition (Section IV - COMMERCIAL GENERAL LIABILITY CONDITIONS) is amended by the addition of the following:

We waive any right of recovery we may have against the person or organization shown in the Schedule above because of payments we make for injury or damage arising out of your ongoing operations or "your work" done under a contract with that person or organization and included in the "products-completed operations hazard". This waiver applies only to the person or organization shown in the Schedule above.



**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

**WAIVER OF OUR RIGHT TO RECOVER  
FROM OTHERS ENDORSEMENT**

**Policy Number:** 59 WEC KU6653

**Endorsement Number:**

**Effective Date:** 04/06/16

Effective hour is the same as stated on the Information Page of the policy.

**Named Insured and Address:** SOLUTIONS I3, LLC

12112 N RANCHO VISTOSO BLVD #150-116  
ORO VALLEY, AZ 85755

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule.

This agreement shall not operate directly or indirectly to benefit anyone not named in the Schedule.

**SCHEDULE**

ANY PERSON OR ORGANIZATION  
FROM WHOM YOU ARE REQUIRED BY  
CONTRACT OR AGREEMENT TO  
OBTAIN THIS WAIVER FROM US.  
ENDORSEMENT NOT APPLICABLE IN  
KY, NH, NJ OR FOR ANY MO  
CONSTRUCTION RISK.

IF ANY

Countersigned by

Authorized Representative

**Form WC 00 03 13 Printed in U.S.A.**

**Process Date:** 02/21/16

**Policy Expiration Date:** 04/06/17

**ARIZONA STATUTORY PERFORMANCE BOND**  
**PURSUANT TO TITLE 34, ARIZONA REVISED STATUTES**  
(Penalty of this bond must be 100% of the Contract amount)

Bond No.: 014075942

KNOW ALL MEN BY THESE PRESENTS THAT:

**[STURGEON ELECTRIC CO., INC.]**

(hereinafter "Principal"), as Principal, and Liberty Mutual Insurance Company

(hereinafter "Surety"), a corporation organized and existing under the laws of the State of Massachusetts with its principal office in the City of Boston, holding a certificate of authority to transact surety business in Arizona issued by the Director of Insurance pursuant to Title 20, Chapter 2, Article 1, as Surety, are held and firmly bound unto Pima County, Arizona (hereinafter "Obligee") in the amount of **[FIVE HUNDRED THOUSAND AND 00/100 DOLLARS]**, for the payment whereof, Principal and Surety bind themselves, and their heirs, administrators, executors, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has entered into a certain written contract with the Obligee, dated the **[APRIL 04, 2017]** for:

**Solicitation No. 246697, Job Order Master Agreement – Structured Cabling Services**

which contract is hereby referred to and made a part hereof as fully and to the same extent as if copied at length herein.

NOW, THEREFORE, THE CONDITION OF THE OBLIGATION IS SUCH, that if the Principal faithfully performs and fulfills all of the undertakings, covenants, terms, conditions and agreements of the contract during the original term of the contract and any extension of the contract, with or without notice to the Surety, and during the life of any guaranty required under the contract, and also performs and fulfills all of the undertakings, covenants, terms, conditions and agreements of all duly authorized modifications of the contract that may hereafter be made, notice of which modifications to the Surety being hereby waived, the above obligation is void. Otherwise it remains in full force and effect.

PROVIDED, HOWEVER, that this bond is executed pursuant to the provisions of Title 34, Chapter 2, Article 2, Arizona Revised Statutes, and all liabilities on this bond shall be determined in accordance with the provisions of Title 34, Chapter 2, Article 2, Arizona Revised Statutes, to the same extent as if it were copied at length in this Contract.

The prevailing party in a suit on this bond shall recover as part of the judgment reasonable attorney fees that may be fixed by a judge of the court.

Witness our hands this 4th day of April, 20 17.

Witness our hands this 4th day of April, 20 17.

Sturgeon Electric Company, Inc.

Principal

By: 

Don Egan Regional Vice President

Liberty Mutual Insurance Company

By: 

Brenda Johnston  
Attorney in Fact

Surety

**ARIZONA STATUTORY PAYMENT BOND**  
**PURSUANT TO TITLE 34, ARIZONA REVISED STATUTES**  
(Penalty of this bond must be 100% of the Contract amount)

KNOW ALL MEN BY THESE PRESENTS THAT:

Bond No.: 014075942

**[STURGEON ELECTRIC CO., INC.]**

(hereinafter "Principal"), as Principal, and Liberty Mutual Insurance Company

(hereinafter "Surety"), a corporation organized and existing under the laws of the State of Massachusetts, with its principal office in the City of Boston, holding a certificate of authority to transact surety business in Arizona issued by the Director of Department of Insurance pursuant to Title 20, Chapter 2, Article 1, as Surety, are held and firmly bound unto Pima County (hereinafter "Obligee") in the amount of **(FIVE HUNDRED THOUSAND AND 00/100 DOLLARS)**, for the payment whereof, Principal and Surety bind themselves, and their heirs, administrators, executors, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has entered into a certain written contract with the Obligee, dated the, **[APRIL 04, 2017]** for:

**Solicitation No. 246697, Job Order Master Agreement – Structured Cabling Services**

which contract is hereby referred to and made a part hereof as fully and to the same extent as if copied at length herein.

NOW, THEREFORE, THE CONDITION OF THE OBLIGATION IS SUCH, that if the Principal promptly pays all monies due to all persons supplying labor or materials to the Principal or the Principal's subcontractors in the prosecution of the work provided for in the contract, this obligation is void. Otherwise it remains in full force and effect.

PROVIDED, HOWEVER, that this bond is executed pursuant to the provisions of Title 34, Chapter 2, Article 2, Arizona Revised Statutes, and all liabilities on this bond shall be determined in accordance with the provisions, conditions and limitations of Title 34, Chapter 2, Article 2, Arizona Revised Statutes, to the same extent as if it were copied at length in this Contract.

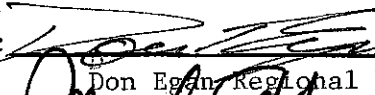
The prevailing party in a suit on this bond shall recover as part of the judgment reasonable attorney fees that may be fixed by a Judge in the court.

Witness our hands this 4th day of April, 2017.

Sturgeon Electric Company, Inc.

Principal


By:

  
Don Egan, Regional Vice President

Liberty Mutual Insurance Company

Surety

By:

  
Brenda Johnston  
Attorney in Fact



This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated. Not valid for mortgage, note, loan, letter of credit, bank deposit, currency rate, interest rate or residual value guarantees. To confirm the validity of this Power of Attorney call 610-832-8240 between 9:00 am and 4:30 pm EST on any business day.

American Fire and Casualty Company  
The Ohio Casualty Insurance Company

Liberty Mutual Insurance Company  
West American Insurance Company

## POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That American Fire & Casualty Company and The Ohio Casualty Insurance Company are corporations duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, Michael M. Bill, Michael H. Bill, Edward L. Mournighan, Cynthia L. Jenkins, Ginger J. Krahn, Brenda Johnston, Cindy Stellhorn, Sheree Hsieh, Rebecca A. Virt, Kimberly E. Kinkead

of the city of Indianapolis, state of Indiana its true and lawful attorney-in-fact, with full power and authority hereby conferred to sign, execute and acknowledge the following surety bond:

Principal Name: Sturgeon Electric Company, Inc.

Obligee Name: Pima County

Surety Bond Number: 014075942

Bond Amount: \$500,000.00

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 11th day of May, 2016.



American Fire and Casualty Company  
The Ohio Casualty Insurance Company  
Liberty Mutual Insurance Company  
West American Insurance Company

By: David M. Carey

David M. Carey, Assistant Secretary

STATE OF PENNSYLVANIA  
COUNTY OF MONTGOMERY

ss

On this 11th day of May, 2016, before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of American Fire and Casualty Company, Liberty Mutual Insurance Company, The Ohio Casualty Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Plymouth Meeting, Pennsylvania, on the day and year first above written.



### COMMONWEALTH OF PENNSYLVANIA

Notarial Seal  
Teresa Pastella, Notary Public  
Plymouth Twp., Montgomery County  
My Commission Expires March 28, 2017

By: Teresa Pastella

Teresa Pastella, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of American Fire and Casualty Company, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

**ARTICLE IV – OFFICERS** – Section 12. Power of Attorney. Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

**ARTICLE XIII – Execution of Contracts – SECTION 5. Surety Bonds and Undertakings.** Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

**Certificate of Designation** – The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

**Authorization** – By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Gregory W. Davenport, the undersigned, Assistant Secretary, of American Fire and Casualty Company, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 4th day of April, 2017.



By: Gregory W. Davenport

Gregory W. Davenport, Assistant Secretary



# CERTIFICATE OF LIABILITY INSURANCE

 DATE (MM/DD/YYYY)  
 3/15/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must be endorsed. If **SUBROGATION IS WAIVED**, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> Arthur J. Gallagher Risk Management Services, Inc. Two Pierce Place Itasca IL 60143		<b>CONTACT NAME:</b> Shannon Lentz <b>PHONE (A/C No. Ext.):</b> 630-285-4418 <b>FAX (A/C No.):</b> 630-285-3922 <b>E-MAIL ADDRESS:</b> shannon_lentz@ajg.com	
<b>INSURED</b> Sturgeon Electric Company, Inc. 12150 E. 112th Avenue Henderson, CO 80640		<b>MYRGROU-01</b>	
<b>INSURER(S) AFFORDING COVERAGE</b>		<b>NAIC #</b>	
<b>INSURER A:</b> Zurich American Insurance Company		16535	
<b>INSURER B:</b> American Zurich Insurance Company		40142	
<b>INSURER C:</b> National Fire & Marine Insurance Co		20079	
<b>INSURER D:</b>			
<b>INSURER E:</b>			
<b>INSURER F:</b>			

## COVERAGES

CERTIFICATE NUMBER: 177750528

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> <b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR XCU GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:	Y	Y	GLO837415422	9/30/2016	9/30/2017	EACH OCCURRENCE \$1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$100,000 MED EXP (Any one person) \$10,000 PERSONAL & ADV INJURY \$1,000,000 GENERAL AGGREGATE \$2,000,000 PRODUCTS - COM/OP AGG \$
A	<b>AUTOMOBILE LIABILITY</b> <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS	Y	Y	BAP837415520	9/30/2016	9/30/2017	COMBINED SINGLE LIMIT (Ea accident) \$1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
C	<input checked="" type="checkbox"/> <b>UMBRELLA LIAB</b> <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$0			42UMO30293701	9/30/2016	9/30/2017	EACH OCCURRENCE \$1,000,000 AGGREGATE \$1,000,000 \$
B A	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	Y N/A	WC837415220 (A/O/S) WC837415320 (MA/WI)	9/30/2016 9/30/2016	9/30/2017 9/30/2017	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$500,000 E.L. DISEASE - EA EMPLOYEE \$500,000 E.L. DISEASE - POLICY LIMIT \$500,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

RE: Job Order Master Agreement - Structured Cabling Services

Pima County is shown as additional insured with respect to General Liability and Automobile Liability coverage as evidenced herein on a primary/non-contributory basis as required by written contract with respect to work performed by the named insured.

A waiver of subrogation in favor of the additional insured is included under the See Attached...

## CERTIFICATE HOLDER

## CANCELLATION

1548 Pima County  
 Attn: Scott Loomis  
 130 W. Congress St., 3rd Floor  
 Mailstop: DT-AB3-126  
 Tucson AZ 85701  
 USA

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

AGENCY CUSTOMER ID: MYRGROU-01

LOC #: \_\_\_\_\_

**ADDITIONAL REMARKS SCHEDULE**

Page 1 of 1

<b>AGENCY</b> Arthur J. Gallagher Risk Management Services, Inc.		<b>NAMED INSURED</b> Sturgeon Electric Company, Inc. 12150 E. 112th Avenue Henderson, CO 80640
<b>POLICY NUMBER</b>		
<b>CARRIER</b>	<b>NAIC CODE</b>	<b>EFFECTIVE DATE:</b>

**ADDITIONAL REMARKS****THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,****FORM NUMBER:** 25 **FORM TITLE:** CERTIFICATE OF LIABILITY INSURANCE

General Liability, Auto Liability and Workers Compensation coverage as evidenced herein as required by written contract.



**PROCUREMENT DEPARTMENT**  
DESIGN & CONSTRUCTION DIVISION • 130 W. CONGRESS STREET, 3RD FLOOR • TUCSON, ARIZONA 85701-1317  
TELEPHONE (520) 724-3731 • FAX (520) 724-4434

INSURANCE CARRIER VERIFIES PIMA COUNTY IS NAMED AS ADDITIONAL INSURED TO THE COMPREHENSIVE COMMERCIAL GENERAL LIABILITY POLICY AND THE COMPREHENSIVE AUTOMOBILE LIABILITY POLICY REFERENCED BELOW, THE COUNTY BEING ADDED BY ENDORSEMENT TO THE POLICIES.

Arthur J. Gallagher Risk Management Services, Inc.  
Insured Firm

GLO837415422 and BAP837415520  
Policy Number

Zurich American Insurance Company  
Insurance Carrier

  
Authorized Carrier Signature

Jeffrey P. Devron  
Printed Name

March 15, 2017  
Date of Signature

NOTE: This document must be included with Insurance Certificates at time of signing contract or renewing contract.



3/15/2017

**If this certificate is being prepared for a party who has an insurable interest in the property, do not use this form. Use ACORD 27 or ACORD 28.**

INSURER F ;

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**The ACORD name and logo are registered marks of ACORD**