

**PUBLIC NOTICE
INVITATION TO BID # 1062**

The Springfield Electric Department will be accepting sealed bids for **Transmission Line Material for Replacing Wood Poles on Springfield District to Mt. Denson 69kV Transmission Line**. Specifications may be downloaded at www.springfield-tn.org. Call Nicky Pinson or Roland Streeter at (615)384-6770 with questions. Bids must be received in the Office of the City Recorder, 405 North Main Street, Springfield, TN 37172 by 2:00 p.m. local time, Tuesday, May 29, 2018. The City of Springfield reserves the right to reject any or all bids.

Lisa H. Crockett
City Recorder

**CITY OF SPRINGFIELD ELECTRIC DEPARTMENT
1000 CENTRAL AVENUE
SPRINGFIELD, TENNESSEE 37172**

**PROPOSAL CONTRACT
BID 1062**

**Miscellaneous Materials for Springfield District-Mt. Denson 69kV
Transmission Line**

BID OPENING DATE: Tuesday, May 29, 2018

TIME: 2:00 P.M.

Contents:

- I. Proposal/Bid Preparation
- II. Base Bid
- III. Specifications
- IV. Non-Collusion Affidavit
- V. Business Relationships Affidavit
- VI. Iran Divestment Form

I. PROPOSAL

A. Preparation

BIDDER shall submit two (2) copies of bid proposal in a sealed envelope addressed to:

City Recorder
City of Springfield Department of Utilities
405 North Main Street
Springfield, TN 37172

Bids will open Tuesday, May 29, 2018, at 2:00 P.M.. No telephone or faxed bids will be considered.

B. Pricing

The BIDDER declares that this proposal is made without connection with any other person or persons bidding for the same work. Bids shall not contain any unbalanced prices, unauthorized additions, alterations, limitations, conditions, or provisions. Non-Collusion Affidavit and Business Relationships Affidavit must be returned with bid.

BIDDER shall use Section II Base Bid of this document to list all prices, terms, conditions, exceptions, and warranties.

Springfield Electric reserves the right to reject any or all bids.

C. Inspections and Tests

Unless otherwise specified in the contract or purchase order, BIDDER shall be responsible for the performance of all inspection and test requirements necessary to insure compliance with this specification. This action does not preclude subsequent inspection and testing by OWNER to further determine conformance to specification requirements of quality standards of workmanship, material, and construction techniques.

D. Questions

Any questions concerning these specifications should be directed to:

Roland H. Streeter, Electrical Engineer
or Nicky Pinson, Electrical Operations Supt.
Springfield Electric Department
1000 Central Avenue
Springfield, Tennessee 37172
(615) 384-6770 ext. 119 (voice)
(615) 382-1642 (fax)
rstreeter@springfield-tn.org

II. BASE BID

Proposal of _____, herein called "BIDDER", to the City of Springfield Electric Department, herein called "OWNER":

That for and in consideration of the mutual agreements and covenants herein contained, the parties agree and bind themselves as set out below:

The BIDDER, in compliance with the invitation to bid for **Transmission Line Material on Springfield District to Mt. Denson 69kV Transmission Line**, having examined the plans and specifications with the related documents, and being familiar with all the conditions surrounding the proposed project, hereby proposes to furnish all materials and supplies and equipment in accordance with the contract documents, within the time set forth therein, at the price stated therein.

BIDDER hereby agrees to complete work under this contract within SIXTY (60) calendar days after receipt of order.

Prior to commencement of work, the successful bidder shall be required to provide OWNER the following:

- a. Approval drawings of proposed equipment for signature by OWNER, and;
- b. All executed documents related to this project returned to OWNER, and;
- c. Written guarantee of material and workmanship for all work to be performed under this contract including any terms and conditions of guarantee.

ANY EXCEPTIONS OR SUBSTITUTIONS FROM THESE SPECIFICATIONS ARE TO BE NOTED AND EXPLAINED WITH ALL DOCUMENTATION SUPPLIED.

Notes:

1. Bidder must submit with bid proposal complete specifications, pictures, and literature describing and illustrating the proposed equipment.
2. Include all shipping charges with bid proposal. Pricing shall include delivery to Mt. Denson Substation, Hwy 161 & Charles Ralph Drive, Springfield, TN 37172.
3. Final payment shall be made to successful BIDDER by OWNER within thirty (30) days after:
 - a. Delivery of product, and assembly if applicable, and;
 - b. The approval by the OWNER of all work performed under the proposal, and;
 - c. An affidavit has been submitted to OWNER by BIDDER stating that payment has been made for all labor, materials, and subcontractors under this proposal.
4. BIDDER agrees to be bound by the bid price in this proposal for a period of sixty (60) days from the date of the opening of the bid.
5. The OWNER reserves the right to reject any or all bids, to waive any informality in bids, and to accept in whole or part such bid or bids as may be deemed in the best interest of OWNER.
6. ALL MATERIAL TO BE DELIVERED TO MT. DENSON SUBSTATION, LOCATED AT HWY 161 AND CHARLES RALPH DRIVE.

Signature – BIDDER

Signature - OWNER

Company Name

Title

Address

Date

Telephone No.

Date

_____ **SPECIFICATIONS FOLLOW THIS DOCUMENT** _____

III. SPECIFICATIONS

Provide quote for steel poles for 69kV construction. Pole must be Valmont or equivalent, of various height and drill patterns, tubular steel and shipped in two (2) sections each and consist of 12-sides.

- Plate thickness 0.1875"
- Minimum ground plate diameter 16.60"
- Ground line protective sleeve 3/16" x 5'0" or protective coating
- Manufacturers will be welded or die stamped on pole with date, pole height, class, and voltage.
- Pole specifications must be submitted.
- Equivalent pole specifications will be accepted.
- Drill pattern is attached.

SPRINGFIELD ELECTRIC

REQUEST FOR PROPOSAL

Furnish transmission line material for replacing wood poles on Springfield District – Mt. Denson 69KV Transmission Line with steel poles.

The material shall be of the following type or equivalent. Specifications for certain materials are attached.

STEEL POLES:

46/69 CI 60FT. – 2 EA ‘VALMONT’, TYPE AGA313A OR EQUIVALENT
46/69 CI 65FT. – 5 EA ‘VALMONT’, TYPE 212792A C1 OR EQUIVALENT
46/69 CI 70FT. – 1 EA ‘VALMONT’, TYPE 212419A C1 OR EQUIVALENT

INSULATORS: (SPECIFICATIONS ATTACHED OR EQUIVALENT)
HORIZONTAL LINE POST POLYMER 69KV-CLAMP TOP – 18 EA

CONDUCTORS:

CONDUCTOR TRUNION – TSC-106 – 18 EA
GROUND WIRE TRUNION – LPS – 57F – 6 EA
GROUND WIRE TRUNION – BRACKET – TWSB-55-6 – 6 EA

BOLTS:

5/8 X 14” – 12 EACH
3/4 X 16” – 50 EACH

QUESTIONS:

Please direct questions and inquiries to:

Nicky Pinson, Operations Superintendent
or Roland Streeter, Electrical Engineer
Springfield Electric Department
1000 Central Avenue
Springfield, TN 37172
(615) 382-1642 (fax)
(615) 384-6770 (phone)

BID PREPARATION:

Bidder shall submit two (2) copies of bid proposal in a sealed envelope addressed to:

Office of the City Recorder
City of Springfield
405 N. Main Street
Springfield, TN 37172

No later than Tuesday, May 22, 2018 at 2:00 P.M.

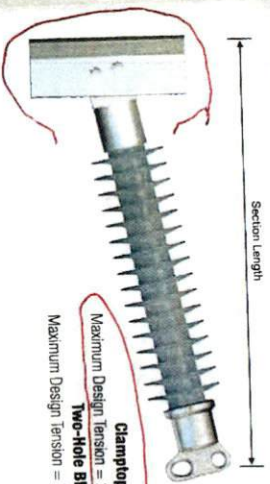
No telephone or faxed bids will be considered.

The bidder declares that this proposal is made without connection with any other person or persons bidding for the same work. Bids shall not contain any unbalanced process, unauthorized additions, alterations, limitations, conditions, or provisions. Non-collusion affidavit and business relationships affidavit must be returned with bid.

The City of Springfield reserves the right to reject any or all bids.

ALL MATERIAL TO BE DELIVERED TO MT. DENSON SUBSTATION, LOCATED AT HWY 161 AND CHARLES RALPH DRIVE.

Horizontal Line Post Insulators 2.5" (63.5 mm) Rod Diameter



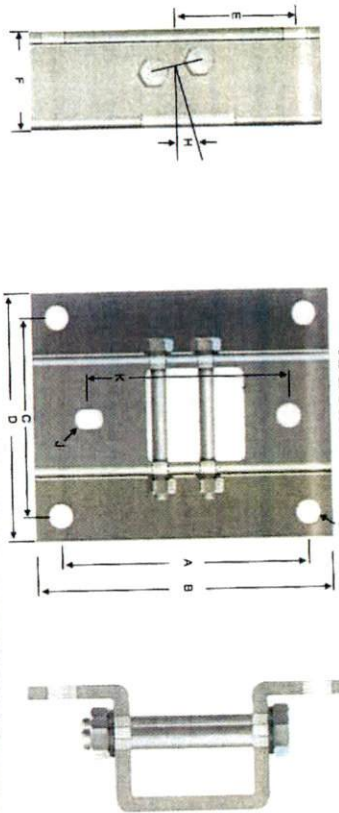
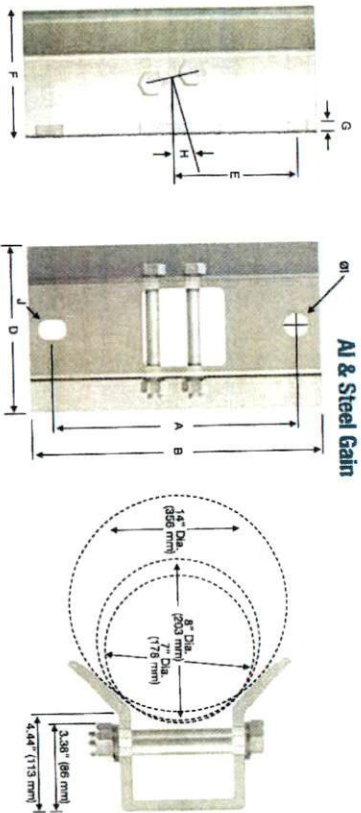
Horizontal Line Post Insulators 2.5" (63.5 mm) Rod Diameter

Selection Guide Typical Line Voltage kV	Catalog Number	Nominal Polymer Length Feet/m	Section Length Feet/m	Shim Distance Feet/m	Linepost Distance Feet/m	ANSI Values			IEC Values			SC2 lbs. (kN)	
						SC1H Dry Pullout (kN)	SC1V Wet Pullout (kN)	SC1R Vertical Impulse Resistance (kV)	SC2H Vertical Impulse Resistance (kV)	SC2R Horizontal Impulse Resistance (kV)	SC2V Vertical Impulse Resistance (kV)		
69	P25002480020	024	36.4 (9.27)	35.1 (8.95)	63 (17.63)	255	255	385	525	195	365	515	5000 (22.2)
110	P250001150020	026	38.3 (9.88)	27.2 (6.96)	62 (17.53)	280	255	425	540	225	490	580	4490 (20.2)
138	P25000180020	031	44.0 (11.7)	32.2 (8.16)	62 (17.53)	330	340	540	675	290	550	655	3950 (17.6)
151	P25000480020	036	48.8 (12.9)	37.1 (9.42)	63 (17.63)	380	380	580	690	290	550	655	3950 (17.6)
173	P25000430020	038	48.8 (12.9)	37.1 (9.42)	63 (17.63)	380	340	580	690	290	550	655	3950 (17.6)
200	P25000560020	043	60.2 (15.9)	49.2 (12.9)	63 (17.63)	455	405	700	800	340	665	800	3200 (14.5)
230	P25000560020	048	60.2 (15.9)	49.2 (12.9)	63 (17.63)	505	455	750	850	400	710	800	2770 (12.5)
262	P25000560020	053	63.1 (16.8)	54.0 (13.7)	63 (17.63)	565	525	800	900	400	710	800	2550 (11.3)
300	P25000600020	058	70.1 (17.9)	64.1 (16.4)	63 (17.63)	625	540	850	1005	445	870	970	2360 (10.7)
330	P25000600020	063	70.1 (17.9)	64.1 (16.4)	63 (17.63)	675	590	900	1065	445	905	1010	2260 (10.3)
362	P25000700020	068	77.2 (19.6)	66.1 (16.9)	63 (17.63)	720	635	1005	1140	455	1055	1100	2130 (9.5)
400	P25000700020	073	86.2 (21.9)	73.4 (19.2)	63 (17.63)	780	680	1100	1290	500	1130	1225	2000 (8.9)
450	P25000800020	080	94.4 (25.1)	87.8 (22.3)	63 (17.63)	815	735	1190	1390	545	1200	1320	1820 (8.2)
500	P25000800020	085	103.2 (26.1)	92.7 (23.6)	63 (17.63)	865	785	1285	1475	590	1300	1470	1650 (7.2)
550	P25000900020	092	107.9 (27.0)	97.6 (24.7)	63 (17.63)	925	825	1380	1565	630	1390	1540	1570 (7.0)
600	P25000900020	097	116.7 (29.2)	104.4 (26.2)	63 (17.63)	985	885	1475	1655	665	1400	1615	1460 (6.5)
650	P250101150020	104	115.1 (29.2)	104.4 (26.2)	63 (17.63)	1040	945	1565	1725	720	1400	1660	1430 (6.4)
700	P25010800020	109	118.8 (30.4)	109.7 (27.2)	63 (17.63)	1095	995	1655	1775	740	1400	1660	1430 (6.4)
750	P25011150020	114	122.2 (31.9)	112.1 (28.1)	63 (17.63)	1105	880	1745	1850	755	1400	1675	1370 (6.1)

- Notes:
- 1) For voltages above 330 kV, other section lengths, or end fitting combinations, please contact your HPS representative.
 - 2) Electrical values are without corona ring. For voltages equal to or greater than 220 kV, refer to page 20 for corona rings and associated physical/electrical changes to the above data. Dimensions are within allowable tolerances as specified by IEC 61952 and ANSI C29.17.
 - 3) The catalog number shown in the table is for a 2.5" (63.5mm) rod diameter line post with a two hole blade on the line end and a gain base on the tower end. For other end fitting combinations, please refer to the Catalog Number Key on page 8.



Base Fittings for 2.5" (63.5 mm) Rod Diameter

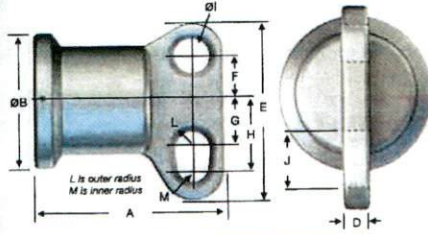


Horizontal & Vertical Bases Inches (mm)

Type (Code)	A	B	C	D	E	F	G	H	I	J	K	Material
5" Bolt Circle (15)	4.75 (121)	6.25 (159)	3.63 (92)	0.90 (23)	5.0 (127)	-	-	-	0.69 (18)	-	-	60-40-18 D.I.
5" Bolt Circle (05)	4.75 (121)	6.25 (159)	3.63 (92)	0.90 (23)	5.0 (127)	-	-	-	0.69 (18)	-	-	60-40-18 D.I.
Aluminum Gain (02)	12.0 (305)	14.0 (356)	-	8.06 (206)	6.13 (156)	5.56 (141)	0.5 (13)	12°	0.94 (24)	0.94 X 1.31 (24 X 33)	-	6063 T5 AL
Aluminum Gain (12)	12.0 (305)	14.0 (356)	-	8.06 (206)	6.13 (156)	5.56 (141)	0.5 (13)	12°	0.81 (21)	0.94 X 1.31 (24 X 33)	-	6063 T5 AL
Steel Gain (07)	12.0 (305)	15.0 (381)	-	8.33 (212)	6.5 (165)	6.04 (153)	0.38 (10)	12°	0.94 (24)	0.94 X 2.0 (24 X 51)	-	Low Carbon Steel
Aluminum Flat (03)	10.0 (254)	12.0 (305)	8.0 (203)	10.0 (254)	5.0 (127)	4.0 (102)	0.5 (13)	12°	0.94 (24)	-	-	6063 T5 AL
Aluminum Flat (13)	10.0 (254)	12.0 (305)	8.0 (203)	10.0 (254)	5.0 (127)	4.0 (102)	0.5 (13)	12°	0.81 (21)	-	-	6063 T5 AL
Steel Flat (08)	13.0 (330)	15.0 (381)	8.0 (203)	10.0 (254)	6.5 (165)	6.04 (153)	0.38 (10)	12°	0.94 (24)	0.94 X 2.0 (24 X 51)	-	Low Carbon Steel
Aluminum Flat (04)	13.0 (330)	15.0 (381)	8.0 (203)	10.0 (254)	6.5 (165)	6.04 (153)	0.38 (10)	12°	0.81 (21)	0.94 X 1.31 (24 X 33)	-	6063 T5 AL
Aluminum Flat (14)	13.0 (330)	15.0 (381)	8.0 (203)	10.0 (254)	6.5 (165)	6.04 (153)	0.38 (10)	12°	0.81 (21)	0.94 X 1.31 (24 X 33)	-	6063 T5 AL

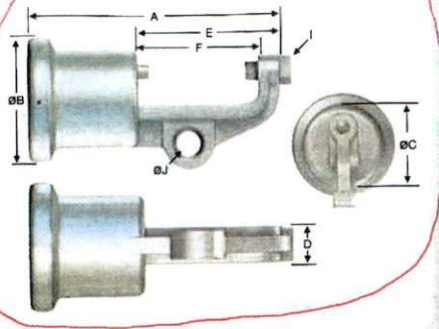
Line Fittings for 2.5" (63.5 mm) Rod Diameter

Two Hole Blade



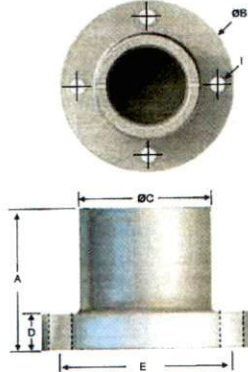
Transfered Bore/Outside Diameter
 for Control Support/Clamp
 2 Hole Blade (std.) 2 Hole Long Blade
 40 deg. max. 64 deg. max.
 Note: 12° upswEEP is already included

Horizontal Clamptop



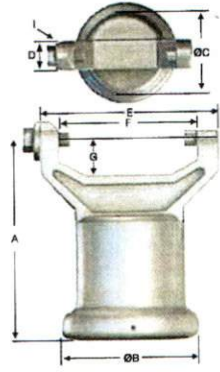
5" Bolt Circle

Line or Base Fitting



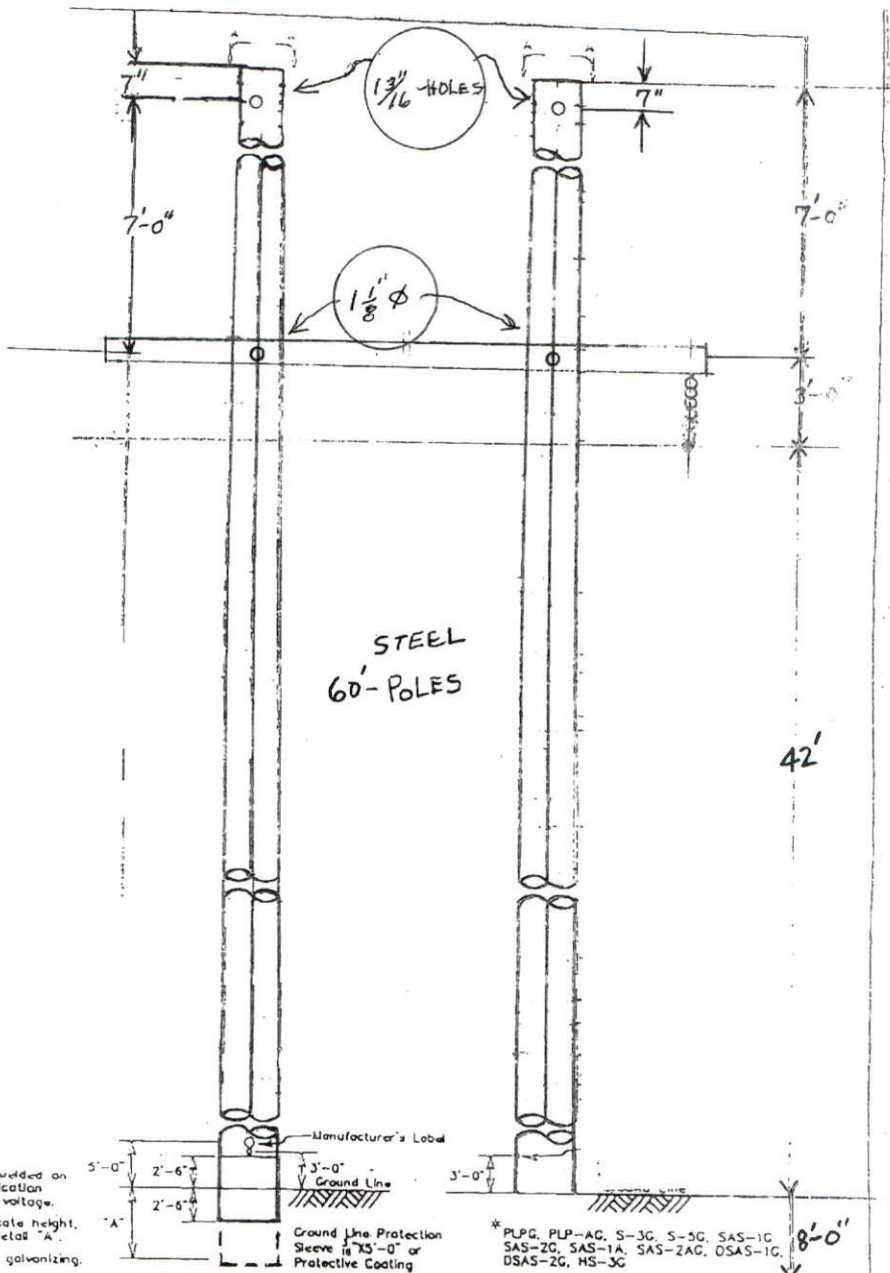
Vertical Clamptop

Part per ANSI C29.7



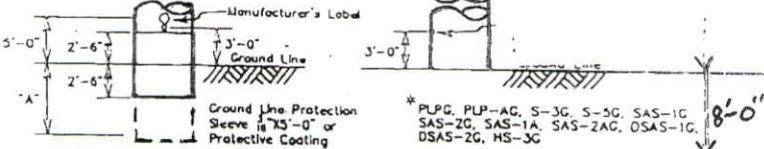
Horizontal & Vertical End Fittings inches (mm)

Type (Code)	A	B	C	D	E	F	G	H	I	J	L	M	Material
2 Hole Blade (0)	5.73 (146)	4.0 (102)	-	0.75 (19)	5.25 (133)	1.25 (32)	1.50 (38)	2.00 (51)	1.0 (25)	1.44 (37)	0.5R (12.7R)	0.44R (11R)	60-40-18 D.I.
2 Hole Long Blade (9)	5.73 (146)	4.0 (102)	-	0.75 (19)	7.75 (197)	1.25 (32)	4.0 (102)	4.5 (114)	1.0 (25)	1.44 (37)	0.5R (12.7R)	0.44R (11R)	60-40-18 D.I.
H. Clamptop (1)	8.24 (209)	4.0 (102)	3.30 (84)	1.12 (28)	4.72 (120)	4.0 (102)	-	-	5/8-11 UFS	0.75 (19)	-	-	60-40-18 D.I.
5" Bolt Circle (3)	4.75 (121)	5.25 (159)	3.63 (92)	0.90 (23)	5.0 (127)	-	-	-	5/8-11 UFS	-	-	-	60-40-18 D.I.
5" Bolt Circle (5)	4.75 (121)	5.25 (159)	3.63 (92)	0.90 (23)	5.0 (127)	-	-	-	0.69 x Holes (18 x Holes)	-	-	-	60-40-18 D.I.
V. Clamptop (2)	5.88 (149)	4.0 (102)	3.30 (84)	1.12 (28)	5.37 (136)	4.0 (102)	1.06 (27)	-	5/8-11 UFS	-	-	-	60-40-18 D.I.



NOTES :

1. Manufacturer's Label will be welded on plate, die stamped with fabrication date, pole height, class and voltage.
2. Marking of all poles will indicate height, class and voltage framing, Detail "A".
3. Rivnuts to be installed after galvanizing.
4. Protective Coating will be masked at top line with a maximum of 12" over spray at bottom line.

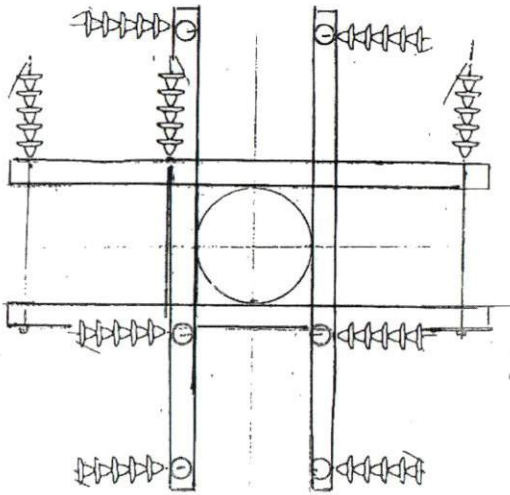
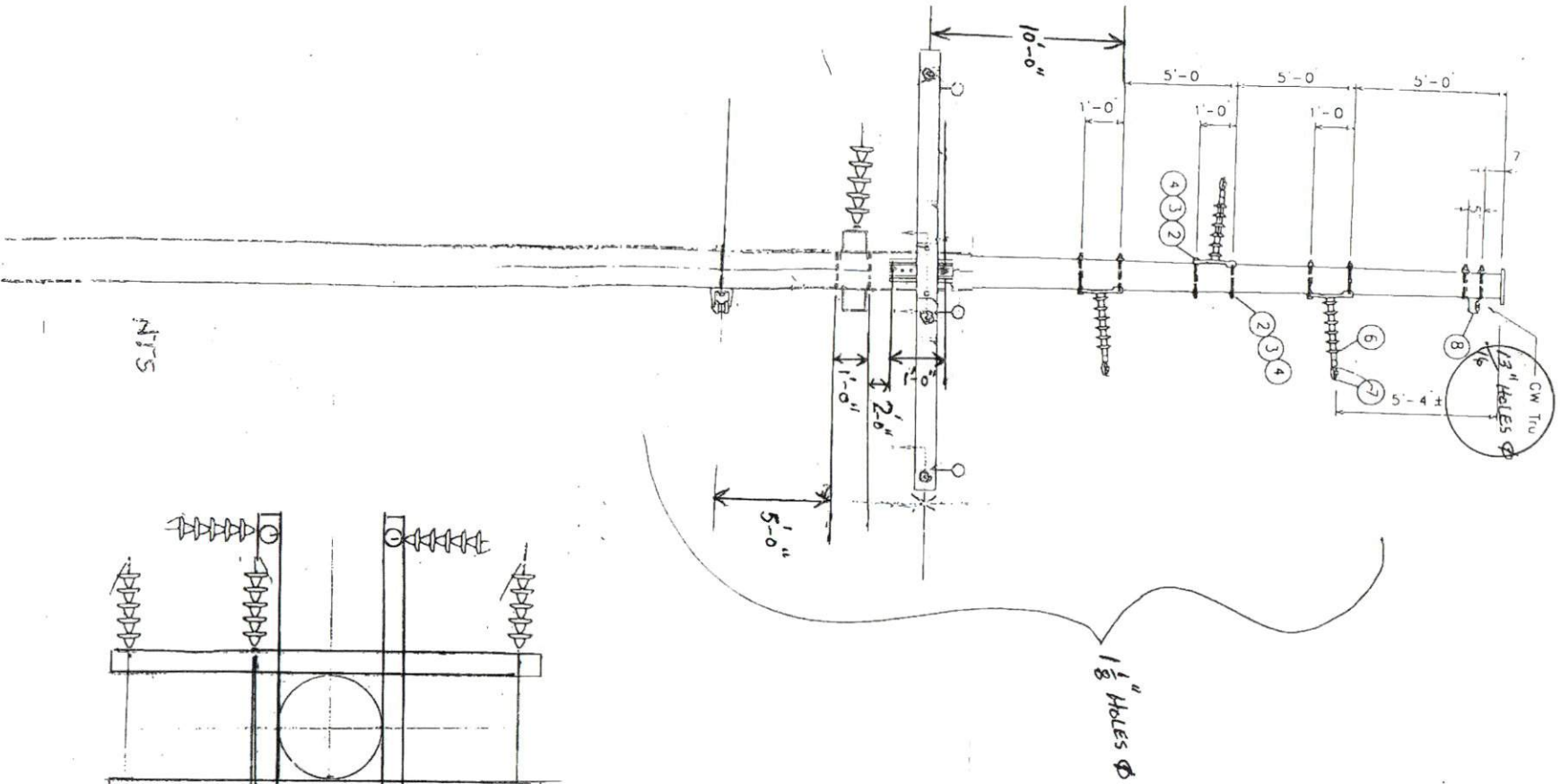


TENNESSEE VALLEY AUTHORITY

**POLE FRAMING DIAGRAM FOR
46 & 69-kV STEEL STRUCTURES
TYPE PLPG, SASG & DSASG SERIES ***

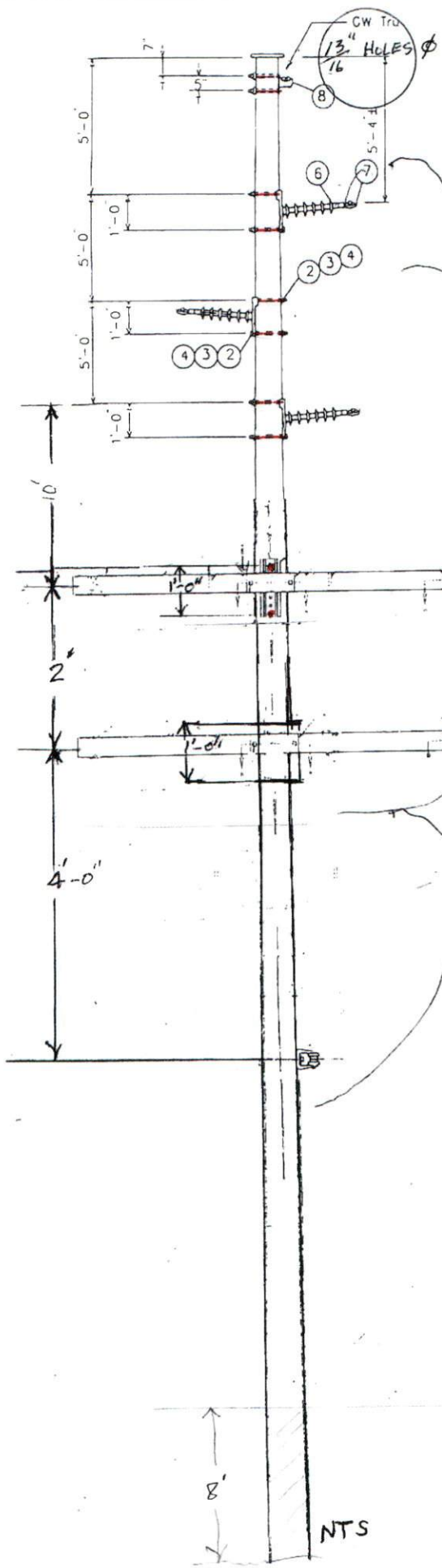
REV	DATE	BY	CHKD	APPV	DATE	SUBMITTED	APPROVED	SHEET 1 OF 1 SHEETS
3	3-25-99	KPP	HWC	LS	3-12-92	<i>[Signature]</i>	<i>[Signature]</i>	SC-65658/R3
DSCN GHS		SUPV JHA		W.O.		CLASS CODE		
DRWN DLR		PROJ ENCR		SCALE		N.T.S.		
CHKD								

STR-169



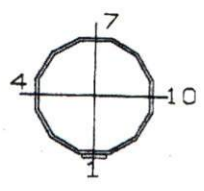
N/S

STR 173A
65'



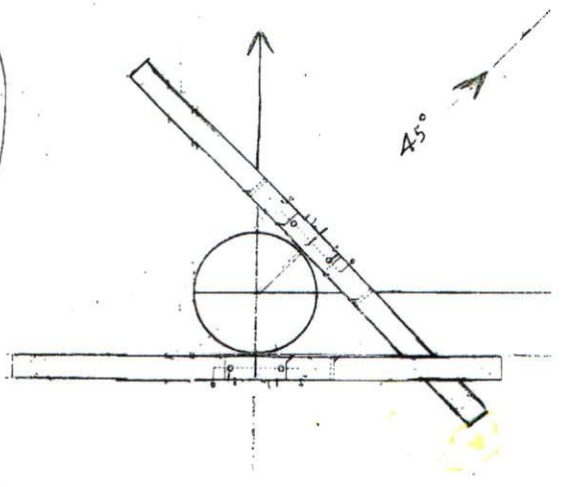
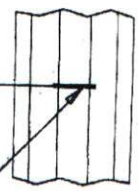
CW Tru
13" HOLES ϕ
16

HOLES $1\frac{1}{8}" \phi$



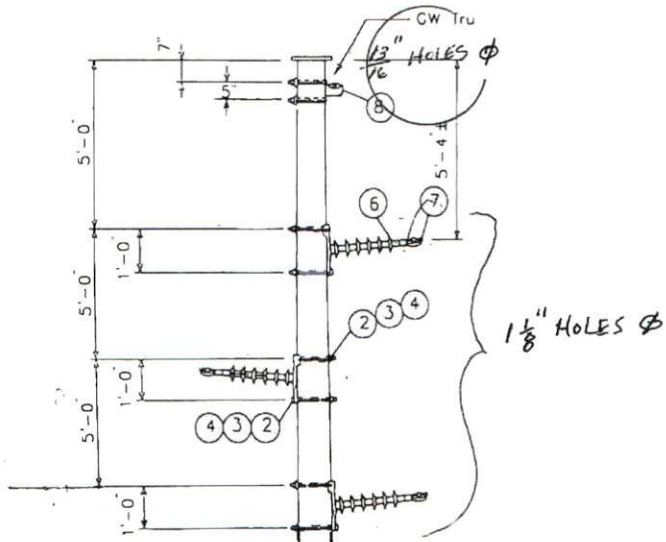
LOCATION REFERENCE

WELD BEAD

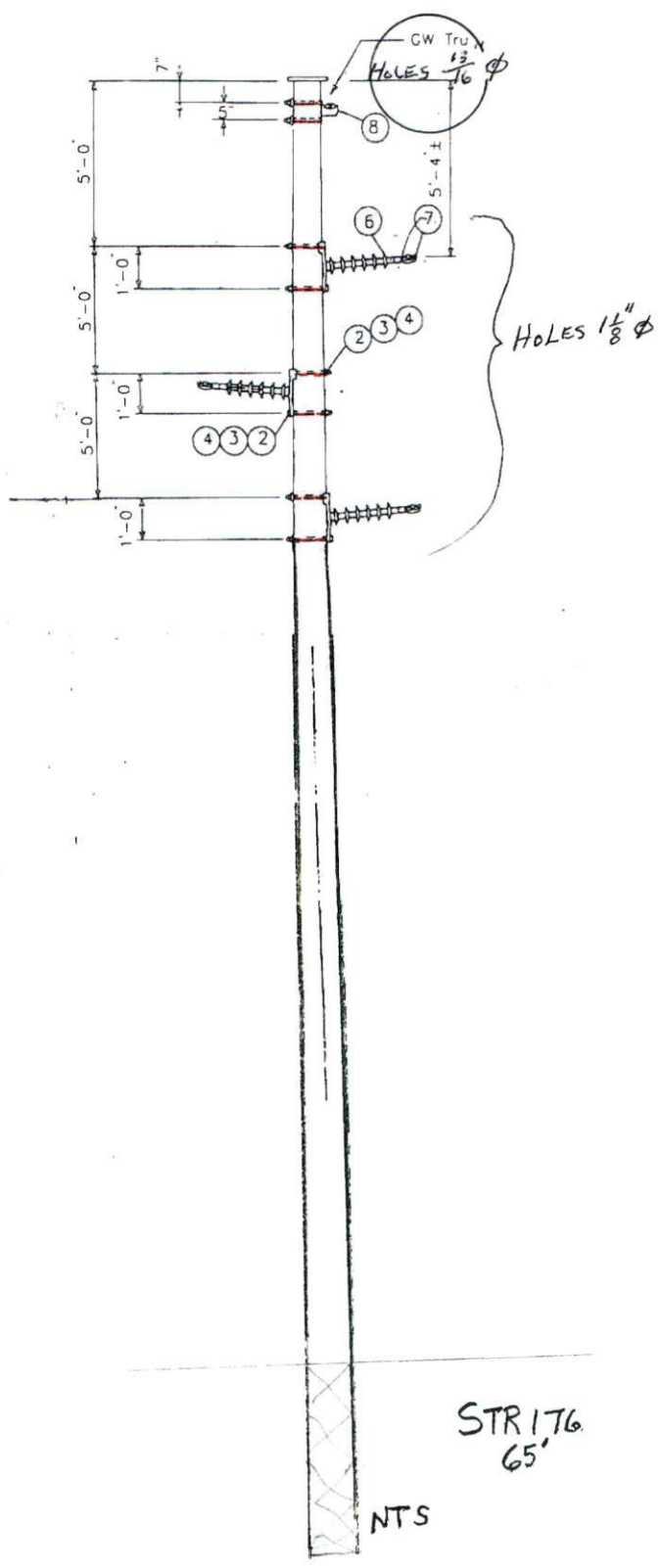


STR. 174
65'

NTS



8'
 STR 175
 65'
 NTS

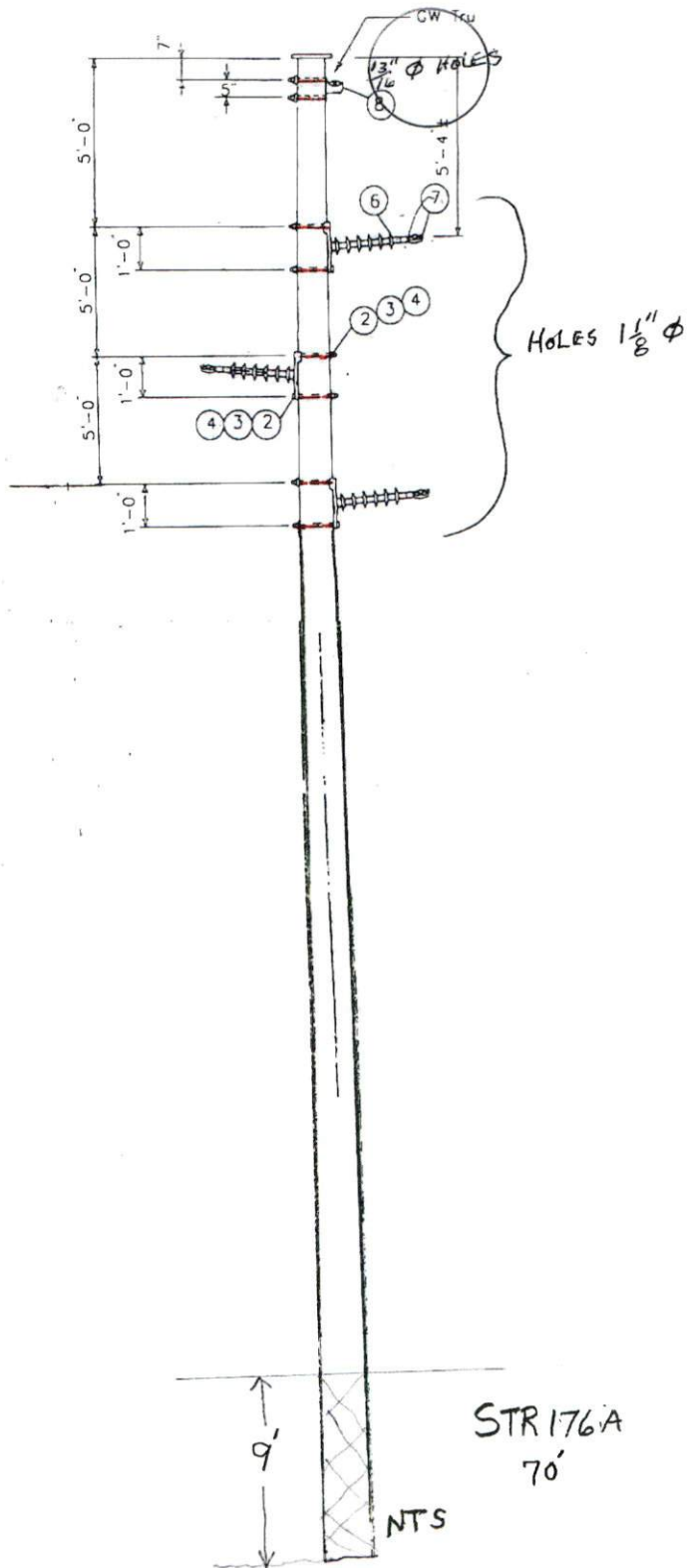


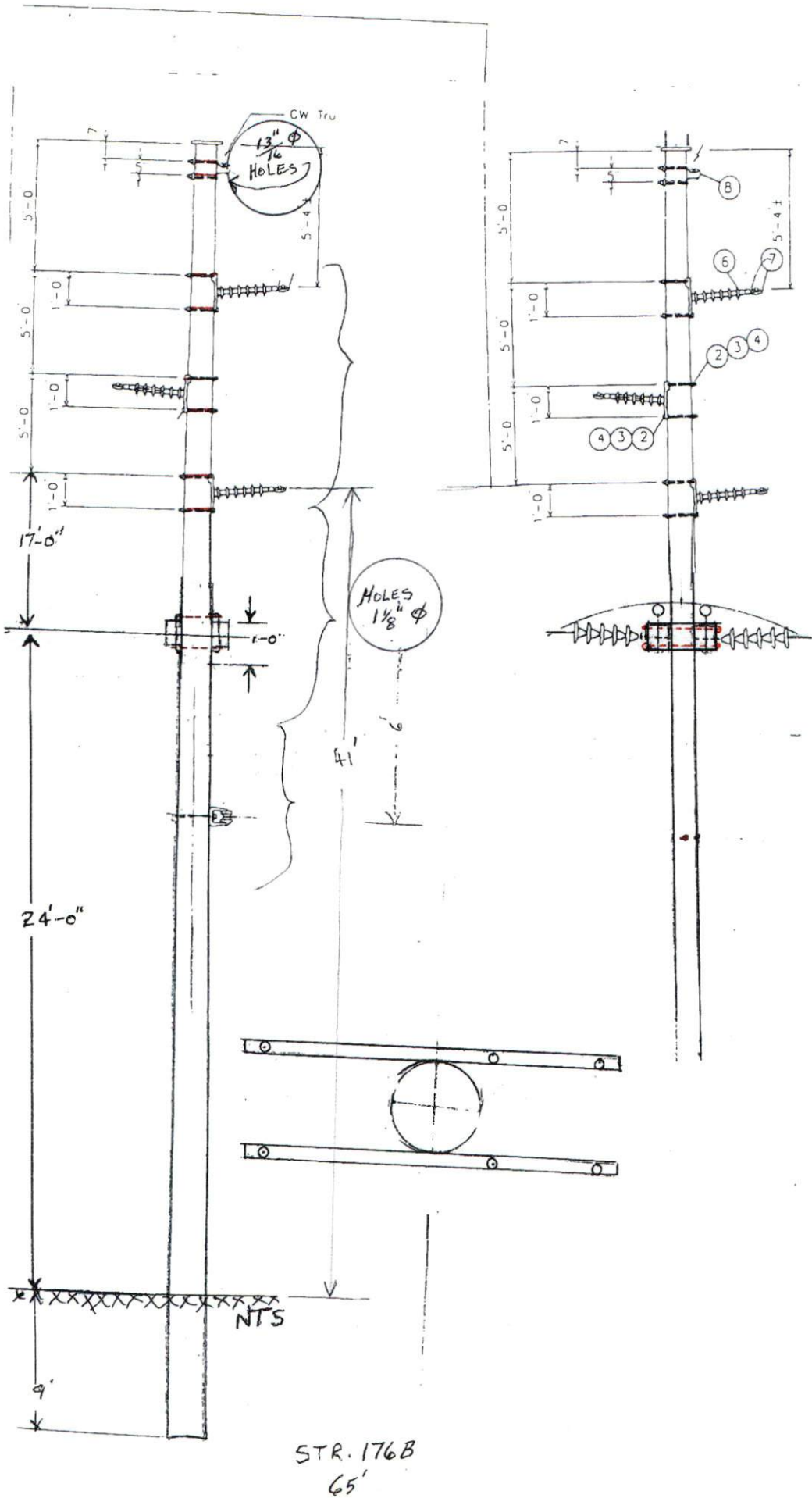
STR 176
65'

NTS

HOLES $1\frac{1}{8} \phi$

GW Tru
HOLES $\frac{13}{16} \phi$





STR. 176B
65'

IRAN DIVESTMENT ACT

NOTICE

Tenn. Code Ann. § 12-12-106 requires the chief procurement officer to publish, using credible information freely available to the public, a list of persons it determines engage in investment activities in Iran, as described in § 12-12-105.

For these purposes, the State intends to use the attached list of “Entities Ineligible to Contract with the State of South Carolina or any Political Subdivision of the State per the Iran Divestment Act of 2014, S.C. Code Ann §§ 11-57-10, et. Seq.”

While inclusion on the list would make a person ineligible to contract with the state of Tennessee, if a person ceases its engagement in investment activities in Iran, it may be removed from the list.

If you feel as though you have been erroneously included on this list, please contact the Central Procurement Office at CPO.Website@tn.gov.

HENRY MCMASTER, CHAIR
GOVERNOR
CURTIS M. LOFTIS, JR.
STATE TREASURER
RICHARD ECKSTROM, CPA
COMPTROLLER GENERAL



THE DIVISION OF PROCUREMENT SERVICES

HUGH K. LEATHERMAN, SR.
CHAIRMAN, SENATE FINANCE COMMITTEE
W. BRIAN WHITE
CHAIRMAN, HOUSE BUDGET AND MEANS COMMITTEE
GRANT GILLESPIE
EXECUTIVE DIRECTOR

List Date: December 20, 2017

Inquiries/Questions: irandivestment@mmo.sc.gov

Entities Ineligible to Contract with the State of South Carolina or any Political Subdivision of the State per the Iran Divestment Act of 2014, S.C. Code Ann. §§ 11-57-10, et seq.

- | | | |
|--|--|--|
| 1. Abadan Petrochemical Co. | 27. Hindustan Petroleum Corporation Ltd. | 53. Oil India Ltd |
| 2. Aban Offshore Ltd. | 28. Hyundai Engineering | 54. Oil Industry Investment Co. |
| 3. Anton Oilfield Services Group | 29. Hyundai Heavy Industries | 55. ONGC Videsh Ltd (OVL) |
| 4. Arak Petrochemical | 30. Idemitsu Kosan Co.Ltd | 56. Oriental Energy Co., Ltd. |
| 5. Arvandan Oil & Gas | 31. Indian Oil Corporation Ltd. | 57. Pardis Petrochemical Co. |
| 6. Behran Oil Co. | 32. Inpex Corporation | 58. Pars Oil Co. |
| 7. Bharat Petroleum Corporation Ltd. | 33. Iran Power Plant Projects Managements Co.(MAPNA) | 59. Parsian Oil and Gas Development Co. |
| 8. BP plc | 34. Japan Drilling Co., Ltd. | 60. Petrochemical Industries Investment Co. |
| 9. China International United Petroleum & Chemical So., Ltd. (Unipecc) | 35. Japan Petroleum Exploration Co.,Ltd. | 61. Petrochemical Transport Co. |
| 10. China National Offshore Oil Corp. | 36. JXTG Holdings Inc | 62. PetroChina Co. Ltd. |
| 11. China National Petroleum Corp. (CNPC) | 37. Khark Petrochemical Co | 63. PJSC Lukoil |
| 12. China National United Oil Corp. | 38. Koc Holding A.S. | 64. Polskie Gornictwo Naftowe i Gazownictwo SA |
| 13. China Petroleum & Chemical Corp | 39. Korea Gas Corporation | 65. Royal Dutch Shell Plc |
| 14. Cosmo Energy Holdings Company Limited | 40. Linde AG | 66. Sadid Pipe & Equipments Co. |
| 15. Daelim Industrial | 41. Maire Tecnimont S.p.A. | 67. Saras Raffinerie Sarde SPA |
| 16. Daewoo Engineering & Construction | 42. Mangalore Refinery & Petrochemicals Ltd. | 68. Sepehr Energy |
| 17. Enel Spa | 43. Marubeni Corporation | 69. Shiraz Petrochemical Co. |
| 18. Eni Spa | 44. Mitsubishi Materials Corporation | 70. Showa Shell Sekiyu KK |
| 19. Esfahan Oil Refining Co. | 45. Mitsui & Co. Ltd | 71. Sinopec Group |
| 20. Essar Oil Ltd. | 46. Naftiran Intratrade Company | 72. Sk Holdings Co. Ltd |
| 21. Fanavaran Petrochemical Co | 47. National Iranian Oil Co. | 73. SK Innovation |
| 22. Farabi Petrochemical Co. | 48. National Iranian South Oil Co. | 74. Tabriz Oil Refining Company |
| 23. Formosa Petrochemical Corp. | 49. National Iranian Tanker Co. | 75. Total S.A. |
| 24. Gazprom OAO | 50. National Shipping Co Of Saudi Arabia | 76. Toyo Engineering Corporation |
| 25. Gubre Fabrikalari T.A.S. | 51. North Drilling | 77. Turkiye Petrol Rafinerileri AS |
| 26. Hellenic Petroleum S.A. | 52. Oil & Natural Gas Corporation Ltd. | 78. Vitol SA |
| | | 79. Zhuhai Zhenrong Company |

IRAN DIVESTMENT ACT

“By the submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid each of a joint bid each party thereto certifies, and in the case of a joint bid each party thereto certifies as to its own organization, under penalty of perjury, that to the best of its knowledge and belief that each bidder is not a person included within the list created pursuant to § 12-12-106.”

Signature: _____

Date: _____

Title: _____