



STATE OF NEW YORK
OFFICE OF GENERAL SERVICES
DESIGN AND CONSTRUCTION GROUP
THE GOVERNOR NELSON A. ROCKEFELLER
EMPIRE STATE PLAZA
ALBANY, NY 12242



ADDENDUM NO. 2 TO PROJECT NO. 44835

**CONSTRUCTION WORK, HVAC WORK, PLUMBING WORK & ELECTRICAL WORK:
PROVIDE PERIMETER FENCE SYSTEMS, BUILDINGS & SITE IMPROVEMENTS
WALLKILL CORRECTIONAL FACILITY
ROUTE 208
WALLKILL, NY 12589-0286**

March 17, 2016

NOTE: This Addendum forms a part of the Contract Documents. Insert it in the Project Manual. Acknowledge receipt of this Addendum in the space provided on the Bid Form.

SPECIFICATIONS

1. SECTION 012200 COST COMPUTATIONS: Delete this Section in its entirety, and replace with attached Section (pages 012200-1 through 012200-6, and noted "Updated 02/22/2016.")

DRAWINGS

1. Reissued Drawings:
 - a. Drawing No. E-105, KEYED NOTES: Add the following NOTE: "6. Provide 300 +/- Lin. Ft. of Amphenol TFC Type T10625JB coaxial cable from Customer Pole to OGS trailer leaving 20 Lin. Ft. of slack coiled at each end, in the provided 2" conduit.
 - b. Drawing Nos. E-500, E-600 and E-601: Discard Drawing Nos. E-500, E-600 and E-601 bound in the Contract Documents and substitute the attached Drawing Nos. E-500, E-600 and E-601.

APPENDIX

1. DEMOLITION SURVEY FOR ASBESTOS CONTAINING MATERIALS AND LEAD BASED PAINT – OGS TRAILER: Add the attached Document (pages 1 through 34) to the Project Manual.

END OF ADDENDUM

Margaret F. Larkin
Executive Director
Design and Construction

SECTION 012200

COST COMPUTATIONS

PART 1 GENERAL

1.01 DESCRIPTION

- A. The Contracting Officer shall determine the value of any order on contract or field order by one or more of the following methods:
1. Agreed to Amount:
 - a. By estimating the fair and reasonable cost of:
 - 1) Labor, including all wages, required wage supplements and insurance/taxes required by law (workers' compensation, social security, disability, unemployment, etc.) paid to or on behalf of working foremen, workers and other employees below the rank of the Contractor's designated representative directly employed at the Site of the Project, and, on contracts with an award price less than \$500,000, the Contractor's designated representative, regardless of job title or work status.
 - 2) Materials (to be installed or turned over to the State).
 - 3) Consumables are items that are used during the progression of the extra work that do not become a permanent part of the Work and as such are considered overhead.
 - 4) Equipment, excluding hand tools, which, in the judgment of the State, would have been or will be employed exclusively and directly on the omitted work or extra work.
 - 5) Where the omitted or extra work is performed directly by the Contractor; by adding to the total of such estimated costs a sum equal to 15 percent thereof, but, where the omitted or extra work is performed by a subcontractor, by adding a sum equal to 15 percent of said costs for the benefit of such subcontractor, and by adding, for the benefit of the Contractor (no further allowance will be made where extra work is performed by any sub-subcontractor), an additional sum equal to:
 - a) 10 percent of the first \$10,000 of the above-estimated costs, including the subcontractor's percentage override.
 - b) Plus 5 percent of the next \$90,000 of the total of said items.
 - c) Plus 3 percent of any sum in excess of \$100,000 of the total of said items.
 - d) For the purposes of the aforesaid percentage overrides, the words "extra work" shall be defined as a complete item of added, modified or changed work as described in writing to the Contractor and the reductions enumerated shall be applied individually to each Order on contract issued on a Contract. Such "extra work" may include the work of one or more trades and/or subcontractors or sub-subcontractors and shall include all labor, material, plant, equipment, tools and all incidentals directly and/or indirectly necessary, related, involved in or convenient to the successful completion of the extra work item.

- b. By accepting an amount agreed upon by both parties, which amount is to be calculated in a manner similar to that provided in subparagraph 1.01 A. 1. a.
 - c. Should the Contractor fail to submit the required proposal as required by Article 10.5.1, the Contractor shall be compensated as follows:
 - 1) The costs will be determined by the State as described in 1.01 A. 1. a. above, but the percentages for profit and overhead will be as follows:
 - a) Where the omitted or extra work is performed directly by the Contractor; by adding to the total of such estimated costs a sum equal to 10 percent thereof, but, where the omitted or extra work is performed by a subcontractor, by adding a sum equal to 10 percent of said costs for the benefit of such subcontractor, and by adding, for the benefit of the Contractor (no further allowance will be made where extra work is performed by any sub-subcontractor), an additional sum equal to:
 - (1) 5 percent of the first \$10,000 of the above-estimated costs, including the subcontractor's percentage override.
 - (2) Plus 3 percent of any sum in excess of \$10,000 of the total of said items.
 - 2. ACTUAL COSTS - By determining the actual cost of the extra work in the same manner as in the above Subparagraph 1.01 A. 1.a. except that actual costs of the Contractor be utilized in lieu of estimated costs. The State shall have the option to utilize this method provided it notifies the Contractor of its intent to do so prior to the time the Contractor is properly authorized to commence performance of such work.
 - 3. By applying the applicable price or prices set forth in the Contract Documents or by applying a unit price agreed to by both parties.
 - 4. All profit, overhead and expense of whatsoever kind and nature, other than those set forth above in Subparagraphs A.1.a. 1), 2) and 4), and below in Paragraph 1.01 F., of the Contractor, its subcontractors and sub-subcontractors, are covered by the aforesaid percentage overrides and no additional payment therefore will be made by the State.
- B. Irrespective of the method used or to be used by the State in determining the value of extra or omitted work, the Contractor shall, after receipt of a request, shall within 15 days submit to the State a detailed breakdown of the Contractor's estimate of the value of the omitted or extra work. The Contractor shall submit evidence, satisfactory to the Contracting Officer, to substantiate each and every item that constitutes his proposal for the change. The State shall promptly respond to such submission.
- C. Whenever this Contract requires the determination of labor hours, it shall be determined as follows:
- 1. Labor Hours shall be based on the labor factors as published in "RSMeans" by Reed Construction Data. The latest versions of the following books shall be used:
 - a. Building Construction Cost Data
 - b. Electrical Cost Data
 - c. Mechanical Cost Data
 - d. Plumbing Cost Data
 - e. Site Work and Landscape Cost Data
 - 2. In the event that a labor factor for an item of work is not available from these publications the Director shall establish a labor factor as to the amount of time it takes to perform an item of Work.
 - a. Conditions that affect the performance of the extra work whether addressed in the Contract Documents or not shall be taken into consideration and negotiated.

- b. Unforeseen conditions or conditions that are not identifiable shall not be included in the Contractor's proposal. If while in the process of performing the omitted or extra work a condition or event that affects the work becomes evident, it will be addressed at that time via a field order or change order.

D. Materials:

1. Materials used in performance of the extra work shall conform to Contract Documents and shall be listed by description, quantity and standard unit of measure.
2. Where the extended value of an item of material is FIVE THOUSAND DOLLARS OR MORE a quote or invoice from a supplier shall be included as part of the Contractor's proposal. The Director's Representative reserves the right to request substantiating pricing documentation to verify actual and reasonableness of any and all submitted costs. This requirement does not impede Subparagraph 1.01 B. above.
3. Travel costs including mileage, tolls, and overnight lodging and meal per diems incurred as a result of the extra work will be reimbursed at costs without any markup for the Contractor or subcontractor as the case may be. Daily travel to the project site must exceed 35 miles, one way, from the Contractor's office address to claim mileage and toll expenses; only mileage beyond 35 miles will be reimbursed. Distance must exceed 50 miles, one way, from Contractor's office address to the project site to claim overnight lodging and meal per diems. Actual cost for overnight lodging and meal per diems will be reimbursed up to the maximum rates listed per locality, as established by U.S. General Services Administration (GSA).
4. Personal Protection equipment required for hazardous materials abatement and materials used to create critical barriers and protection barriers, provided that they are expended during the performance of the extra work or turned over to the State at the request of the Director's Representative, are reimbursable as part of an order on contract.

E. Whenever this Contract requires the determination of the cost of equipment, it shall be determined as follows:

1. Equipment used or to be used in the performance of Work shall be specifically described by the manufacturer, model number and date of manufacture and be of suitable size and capacity required for the work to be performed.
2. Equipment, excluding hand tools which are defined as tools and equipment having a new purchase price of less than ONE THOUSAND DOLLARS, and which will be used exclusively and directly on the Work. For the purposes of computing the Contractor's cost for self-owned equipment, the rate used for periods of under five days shall be the monthly rate set forth for the item of equipment in the Equipment Watch® "Rental Rate Blue Book" published by Penton Media (800 669-3282) divided by 22 days to establish a **daily rate** and divided again by eight hours to establish an **hourly rate**. **The rate used for periods of 5 days or more shall be 45% of the published monthly rate.** In the event the "Rental Rate Blue Book" does not list the item of equipment used, the applicable rate shall be determined in the same manner as set forth above except that the monthly rate used shall be that set forth in "The AED Green Book" published by Penton Media (800 669-3282). In the event that a rate is not established in the "Rental Rate Blue Book" or "The AED Green Book" for a particular piece of equipment, the Contracting Officer shall establish a rate for ownership costs and operating costs for that piece of equipment that is consistent with its cost and expected life. Self-owned equipment is defined to include equipment rented from controlled or affiliated companies.
3. Rented equipment will be paid for at the actual rental cost. Equipment rented for the Work used in the performance of extra work will be reimbursed for operating costs only.

4. For the purposes of the performance of extra or additional work, when, in the opinion of the Contractor, and as approved in writing by the Director's Representative, suitable equipment is not available on the Site, the moving of said equipment to and from the Site will be paid for at actual cost.
 5. Notwithstanding any other provision, if the State should determine that the nature or size of the equipment used by the Contractor in connection with the performance of Work is larger or more elaborate, as the case may be, than the size or nature of the minimum equipment determined by the State to be suitable for the performance of Work, the cost of equipment used in calculating the costs of extra work or delay damages will not be based upon the equipment used by the Contractor but instead will be based on the smallest or least elaborate equipment determined by the State to have been suitable for the performance of the Work. In no event shall the amount paid to the Contractor as the allowance for the use of self-owned construction equipment exceed the lower of the actual cost of such equipment or the depreciated value of such equipment as carried on the Contractor or subcontractors books.
 6. The Contractor shall be reimbursed for its operating costs for self-owned equipment based on actual cost data. Operating costs shall include fuel, lubricants, other operating expendables and preventive and field maintenance. Operating costs do not include the operator's wages. In the event, after documented and demonstrated due diligence, actual operating costs are not ascertainable, then the Contractor will be compensated utilizing 100 percent of the operating costs set forth in the "Rental Rate Blue Book" and the Contractor shall be reimbursed the product of the number of hours of actual use multiplied by the operating cost per hour.
 7. The maximum amount of reimbursement for the ownership costs of self-owned equipment is limited to the original purchase price of the equipment as listed in the "Green Guide for Construction Equipment" published by Penton Media (800) 669-3282. In the specific event when the ownership reimbursement is limited by the original purchase price, the Contractor shall, nevertheless, be reimbursed for the operating cost per hour for each hour of actual use.
- F. Insurance and Bonds:
1. The additional cost of all required Bonds and Liability and Builder's Risk Insurance Premium required by this Contract, arising from the additional cost of performing extra work shall be paid by a change order or field order to be issued upon physical completion of the Work and upon the submission of proof of payment of such additional premiums assessed by the respective insurance companies for such additional cost of the extra work.
 2. Should the additional work require an additional insurance policy not initially required or anticipated in the execution of the contract, whether required of the Contractor or a subcontract between the Contractor and a subcontractor actually performing extra work, will be reimbursed based on actual cost.
- G. Unless otherwise specifically provided for in an order on contract or field order, the compensation specified therein for extra work includes full payment for both the extra work covered thereby and for any damage or expense caused the Contractor by any delays to other work to be done under the Contract resulting from or on account of said extra work, and the Contractor waives all rights to any other compensation for said extra work, damage or expense.
- H. In computing the value of an order on contract or field order which involves additions and deletions of work and the cost of the added work exceeds the cost of the deleted work, overhead and profit shall be computed on the amount by which the actual cost of additional labor and material exceeds the actual cost of the deleted labor and material, except no additional overhead

and profit shall be allowed on the value of any order on contract or field order determined by the method provided in Subparagraphs 1.01 A. 1.b. or 1.01 A. 3.

- I. In computing the value of an order on contract or field order which involves additions and deletions of work and the cost of the deleted work exceeds the cost of the added work, the Contractor will be allowed to retain the overhead and profit on the amount by which the cost of the deleted work exceeds the cost of the added work, except that no overhead and profit shall be retained on the cost of work determined by the method provided in Subparagraphs 1.01 A. 1.b. or 1.01 A. 3.

- J. Subject to the provisions of Article 17A of the General Conditions, the following elements of damage, and only the following elements, as determined by the Contracting Officer, will be recoverable by the Contractor as “delay damages” provided that they are actual, reasonable and necessary:
 - 1. Documented additional or escalated job site labor expenses.
 - 2. Documented additional or escalated costs for materials.
 - 3. Documented additional or escalated equipment costs less appropriate credits, as such are determined in accordance with this Section.
 - 4. Documented costs of extended job-site overhead (including job superintendent, office engineer and clerical staff, but not including working foremen).
 - 5. An additional 15 percent of the total of the above items in Subparagraphs 1.01 J. 1., 2., 3. and 4. for home office overhead and profit thereon.
 - 6. Documented additional or escalated insurance and bond costs.
 - 7. When the work is performed by a subcontractor, the Contractor shall be paid the actual, reasonable and necessary cost of such subcontracted work as outlined Subparagraphs 1.01 J. 1. through 4., including the subcontractor’s main office overhead and profit of 15 percent. The Contractor shall also be allowed an additional 5 percent administrative fee for processing.
 - 8. The phrases “additional expenses”, “escalated expenses”, “additional costs” and “escalated costs” shall include expenses and costs above or below those normally incurred in the performance of the work, less any appropriate credit, and/or attributable, with appropriate credits, to the performance of work or portions of work in a different time period than that which was indicated on the approved progress schedule.

- K. The parties agree that, with regard to delay damages, the State will have no liability for the following items and the Contractor further agrees it shall make no claim for the following items:
 - 1. Profit, in excess of that provided for above.
 - 2. Loss of anticipated or unanticipated profit.
 - 3. Labor inefficiencies and loss of productivity.
 - 4. Home office overhead in excess of that provided for above.
 - 5. Consequential damages, including but not limited to interest on monies in dispute, including interest which is paid on such monies, loss of bonding capacity, bidding opportunities, or interest on retainage or investment, or any resultant insolvency.
 - 6. Indirect costs or expenses of any nature.
 - 7. Direct or indirect costs attributable to performance of work where the Contractor, because of situations or conditions within its control, has not progressed in a manner satisfactory to the Executive Director.
 - 8. Attorneys’ fees, or claims preparation expenses.

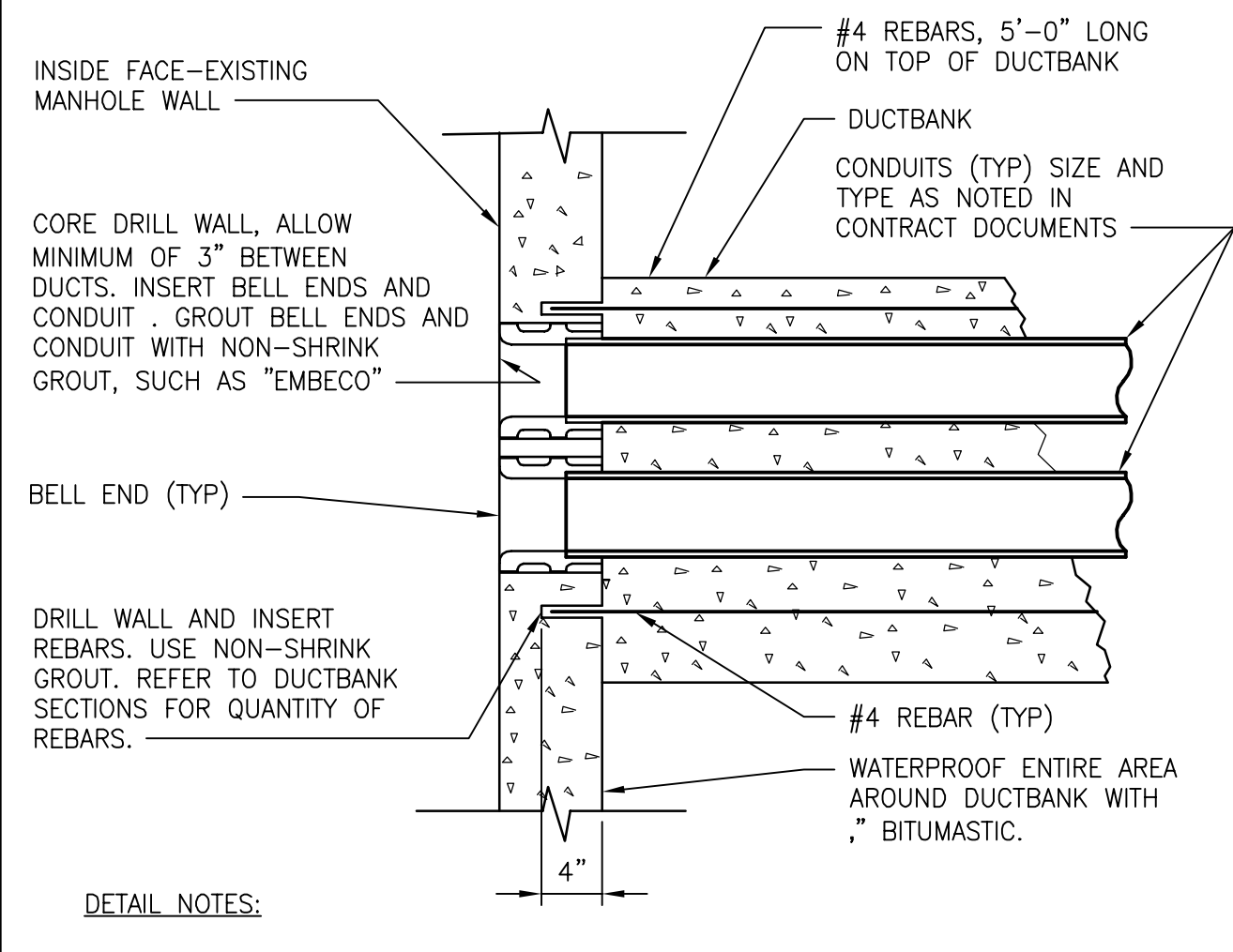
- L. Remedies Exclusive: With respect to extra costs and delay damages, the parties agree that the State shall have no liability to the Contractor for expenses, costs, or items of damage other than

those which are specifically identified as payable above. In the event any legal action is instituted against the State by the Contractor on account of any extra work or for additional compensation, whether on account of delay, acceleration, breach of contract, or otherwise, the Contractor agrees that the State's liability will be limited to those items which are specifically identified as compensable above. The Contractor further agrees to make no claim for expenses other than those which are specifically identified as compensable above.

PART 2 PRODUCTS (Not Used)

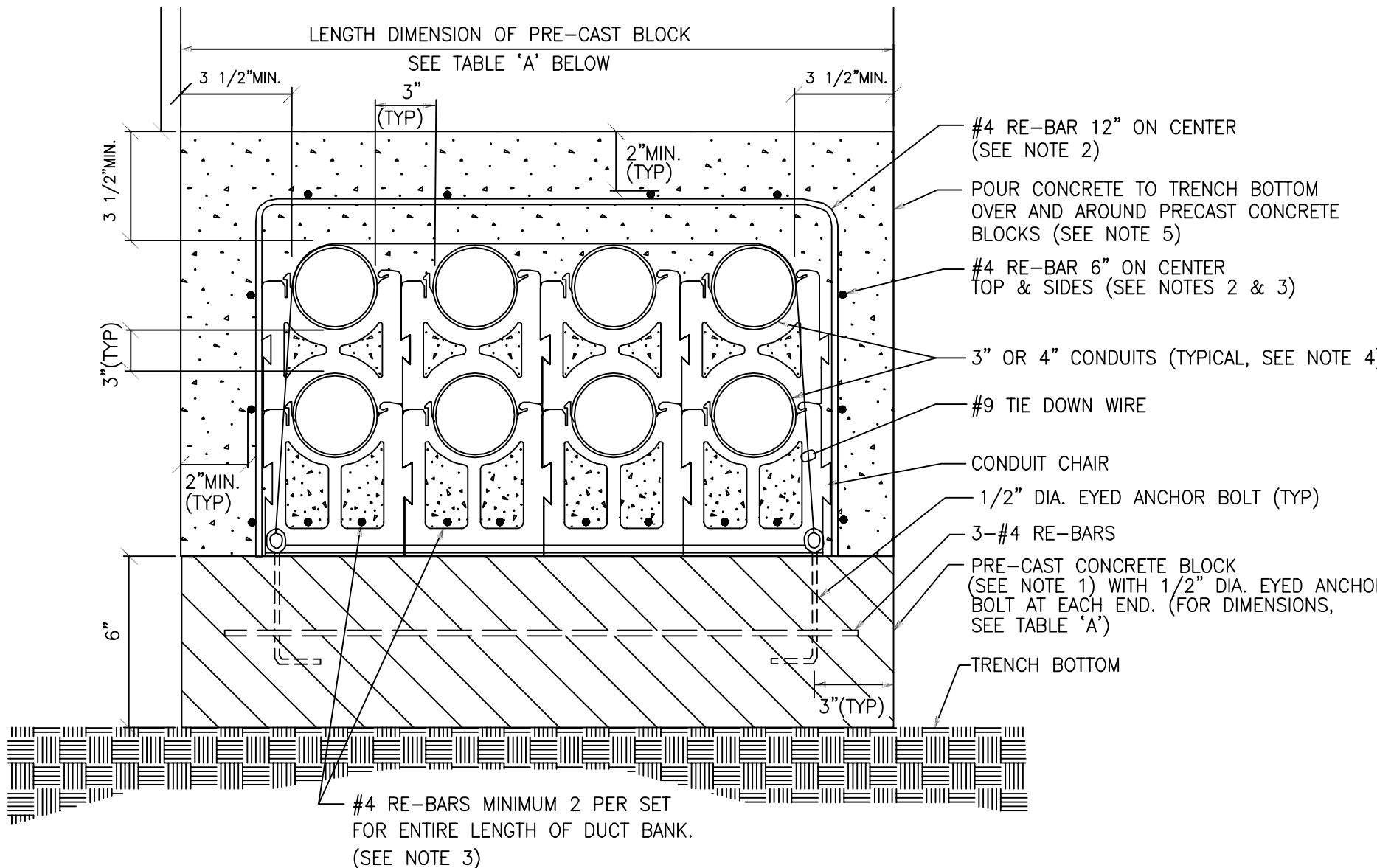
PART 3 EXECUTION (Not Used)

END OF SECTION



DETAIL NOTES:
 A. REFER TO CONTRACT DOCUMENTS FOR ADDITIONAL REQUIREMENTS.

TYPICAL DUCTBANK DETAIL - EXISTING MANHOLES
 SCALE: NONE



CROSS SECTION OF CONCRETE ENCASED UNDERGROUND CONDUIT DUCT BANK SINGLE POUR METHOD
 NOT TO SCALE

TABLE A

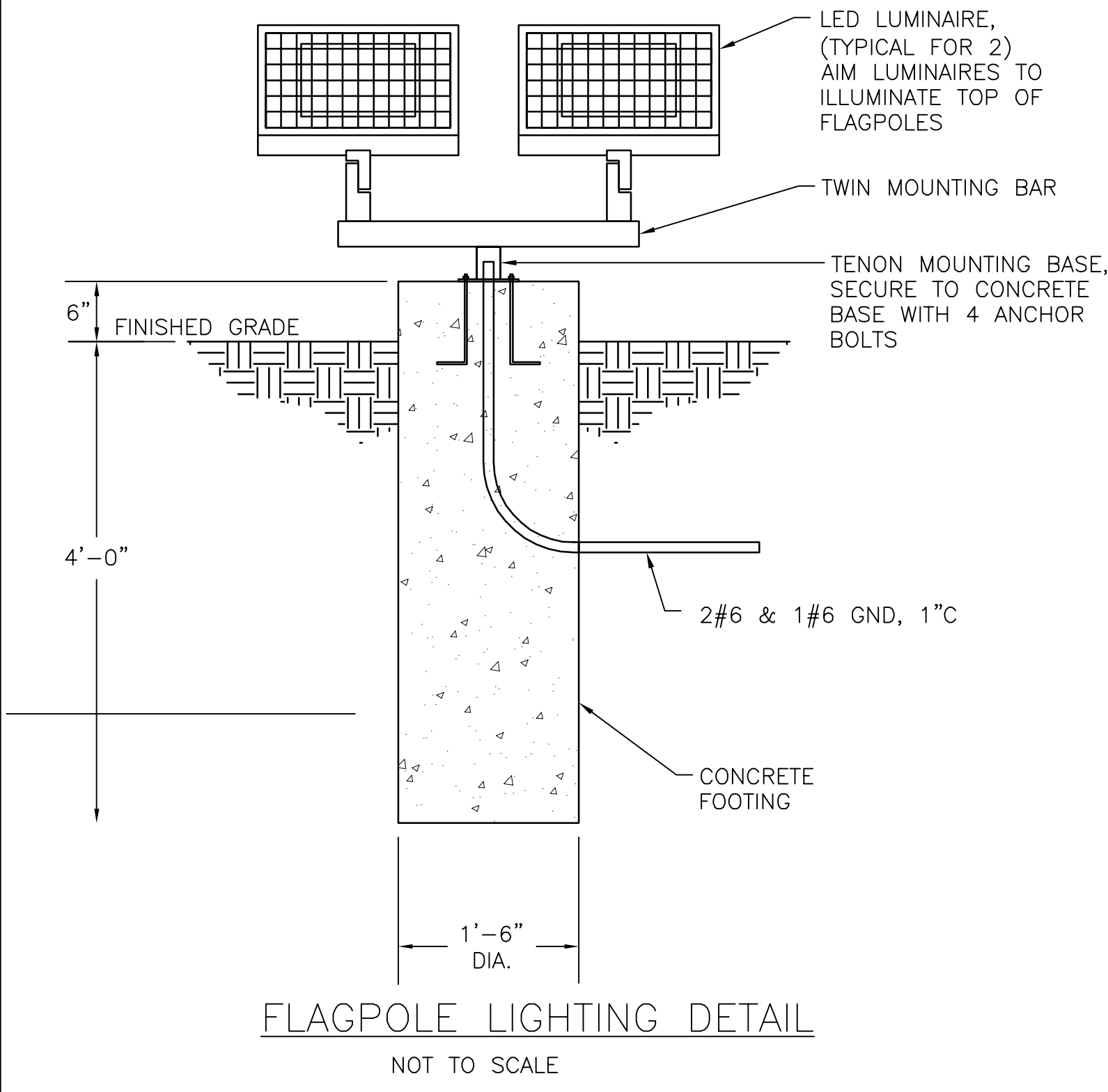
DUCT BANK NUMBER OF CONDUITS	PRE-CAST CONCRETE BLOCK DIMENSIONS		
	LENGTH	WIDTH	THICK
4	2'	1'	6"
6	2'-6"	1'	6"
8	3'	1'	6"
10	3'-6"	1'	6"
12	3'-6"	1'	6"
16	3'-6"	1'	6"

- NOTES:**
- LOCATE PRE-CAST CONCRETE BLOCKS AND CONDUIT CHAIRS A MAXIMUM OF 8" ON CENTER.
 - PROVIDE RE-BAR AT TOP & SIDES FOR A DISTANCE OF 10" OUT FROM ALL MANHOLES AND BUILDING WALLS ONLY.
 - CAST RE-BARS INTO MANHOLE WALLS.
 - FOR DUCT BANKS WITH QUANTITY AND SIZE OF CONDUITS OTHER THAN AS SHOWN, ADJUST OVERALL WIDTH AND HEIGHT DIMENSIONS ACCORDINGLY.
 - EARTH CUTS WILL BE PERMITTED AS THE FORM WHERE TRENCHES ARE NEATLY EXCAVATED IN STABLE SOILS, OTHERWISE, FORM SIDES OF THE CONCRETE ENCASUREMENT.

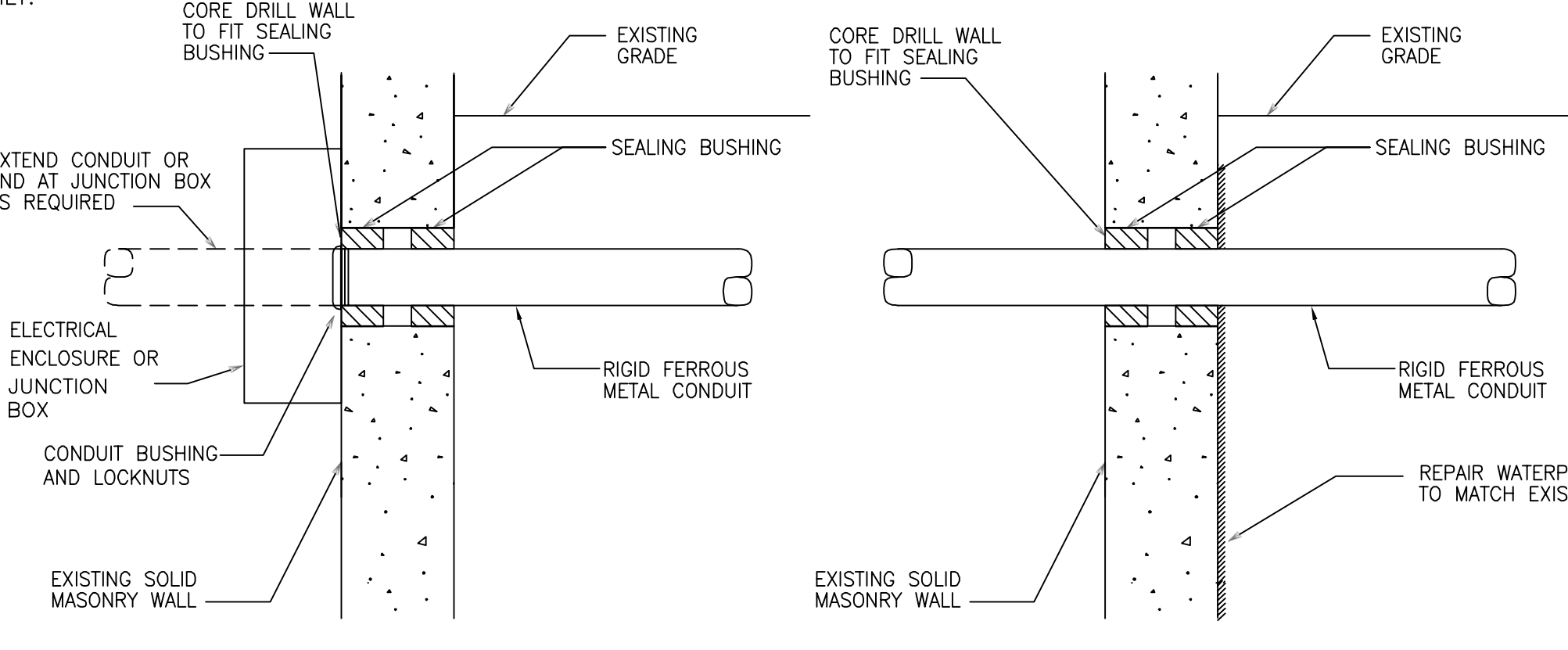
LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MFR.	LAMPS	MOUNTING	NOTES
SFLED-1	EXTERIOR MULTI VOLTAGE LED POLE MOUNT FIXTURE W/HIGH INTENSITY TEMPERED GLASS LENS AND VANDAL RESISTANT FASTENERS.	S3J ELECTRONICS WAL816	130W LED 4700-5700K	FENCE POLE MOUNTED	SEE NOTES 2 & 3 BELOW.
PLLED-1	EXTERIOR MULTI VOLTAGE LED POLE MOUNT FIXTURE W/HIGH INTENSITY TEMPERED GLASS LENS AND VANDAL RESISTANT FASTENERS.	S3J ELECTRONICS WAL816	130W LED 4700-5700K	PARKING POLE MOUNTED	SEE NOTES 1, 4 & 5 BELOW.
C	EXTERIOR MULTI VOLTAGE LED WALL MOUNT FIXTURE W/HIGH INTENSITY TEMPERED GLASS LENS AND VANDAL RESISTANT FASTENERS.	S3J ELECTRONICS WWP106	50W LED 4700-5700K	WALL MOUNTED	SEE NOTE 4 BELOW.
D	FLAGPOLE FLOODLIGHTING FIXTURE	BEACON FL-1/12NB-25/4K/3X5/UNV	20W LED 3500K	TENON BASE	SEE NOTES 6,7 BELOW.

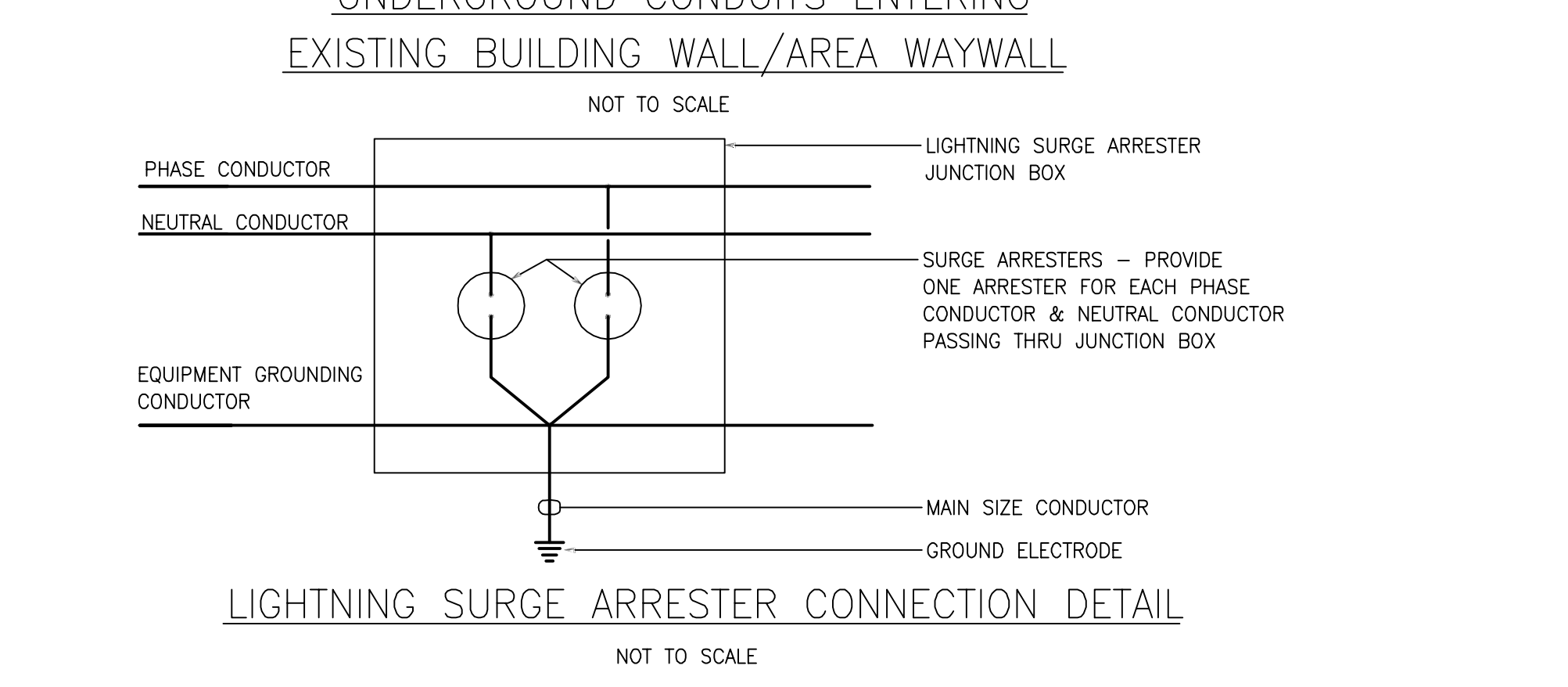
- PARKING LOT LIGHT POLE LENGTH SHALL BE 25'. FIXTURE TO BE MOUNTED 27'-2" ABOVE FINISHED GRADE.
- FENCE LIGHT MOUNTING HEIGHT 20" ABOVE FINISHED GRADE.
- PROVIDE ALL MOUNTING ACCESSORIES INCLUDING REDUCERS AND 35° ANGLE TILT.
- INCLUDE PHOTO CELL OPTION. EXCLUDE PHOTOCELL OPTION FOR LIGHT FIXTURES ON LIGHTING CONTACTORS.
- PROVIDE ALL MOUNTING ACCESSORIES INCLUDING REDUCERS, 90° LENS AND 16" REFLECTOR SET TO 60° ON POLE TILT.
- PROVIDE ALL MOUNTING ACCESSORIES TO MOUNT FIXTURES PER FLAGPOLE LIGHTING DETAIL ON SHEET E-500.
- PROVIDE FIXTURE WITH FINISH THAT MATCHES FLAGPOLE FINISH.



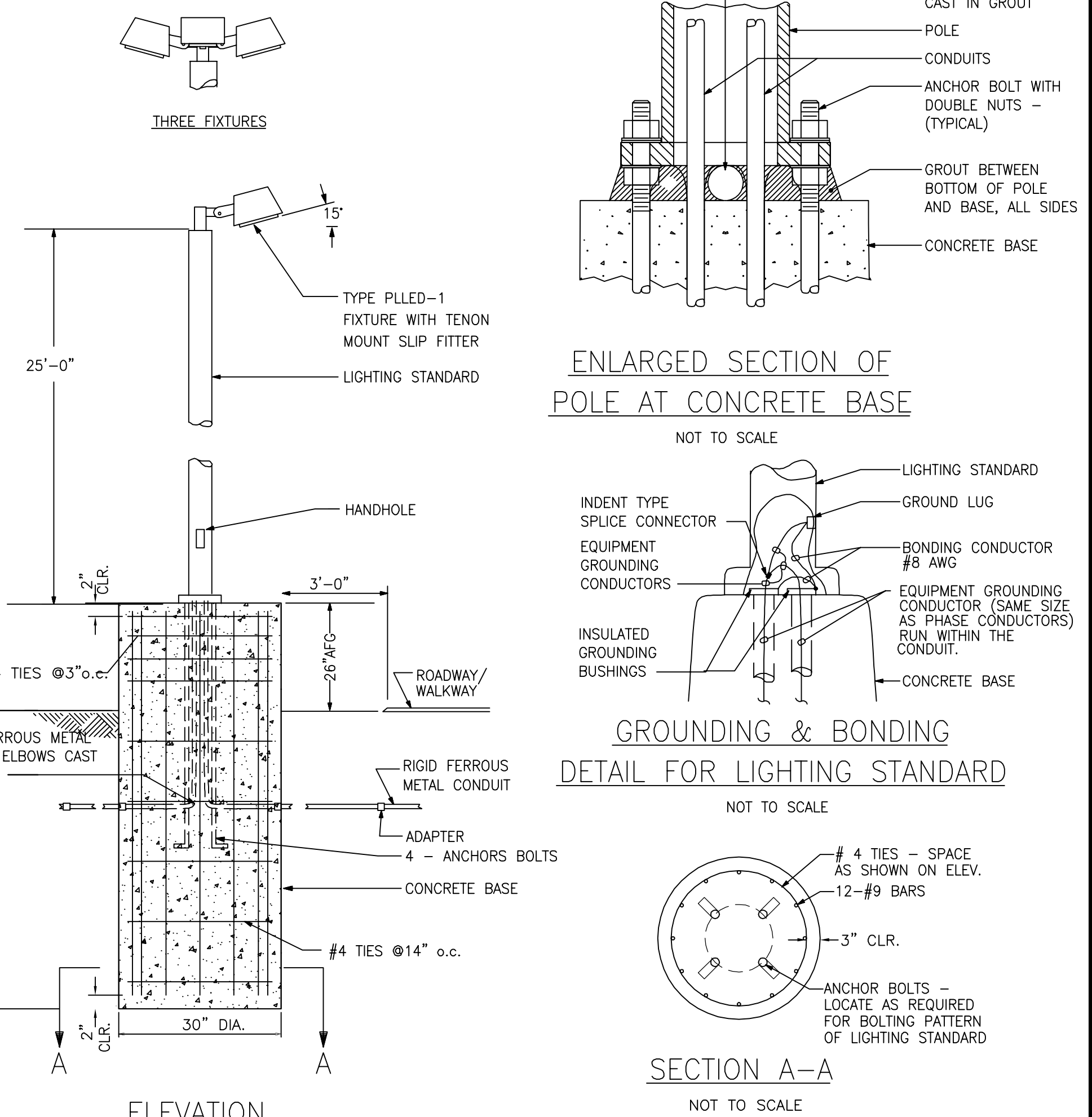
FLAGPOLE LIGHTING DETAIL
 NOT TO SCALE



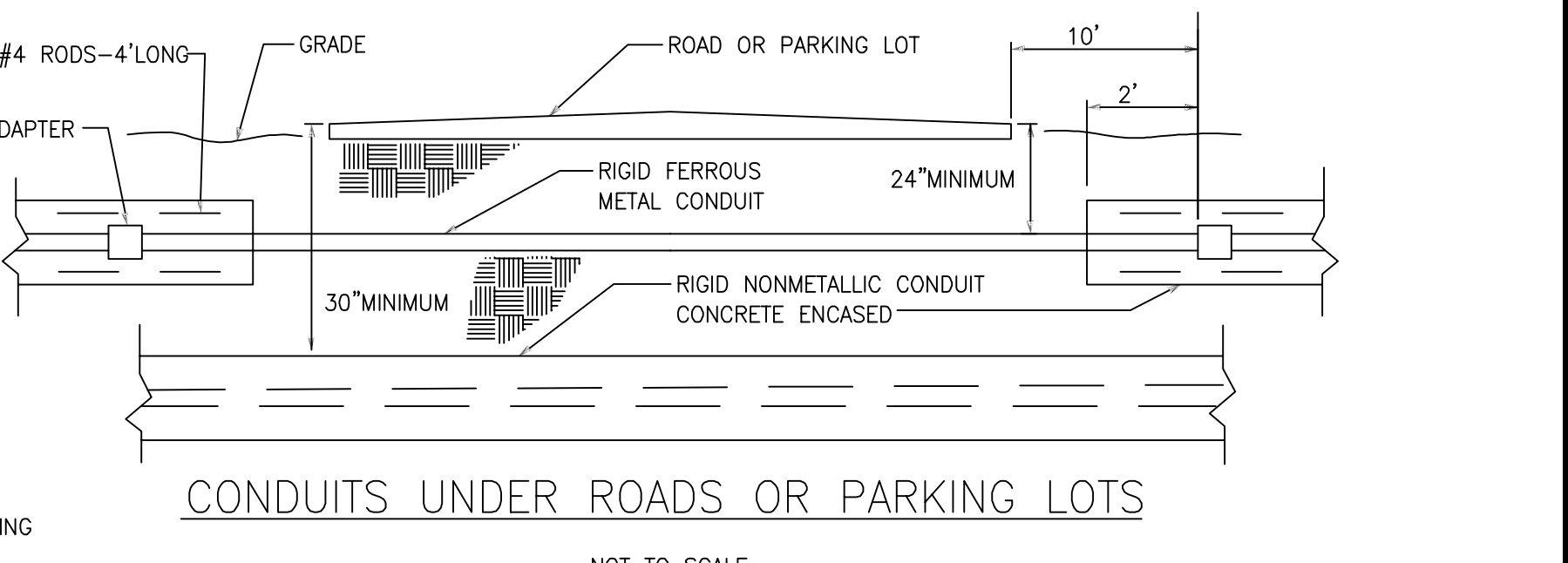
BUILDING WALL UNDERGROUND CONDUITS ENTERING EXISTING BUILDING WALL/AREA WAYWALL
 NOT TO SCALE



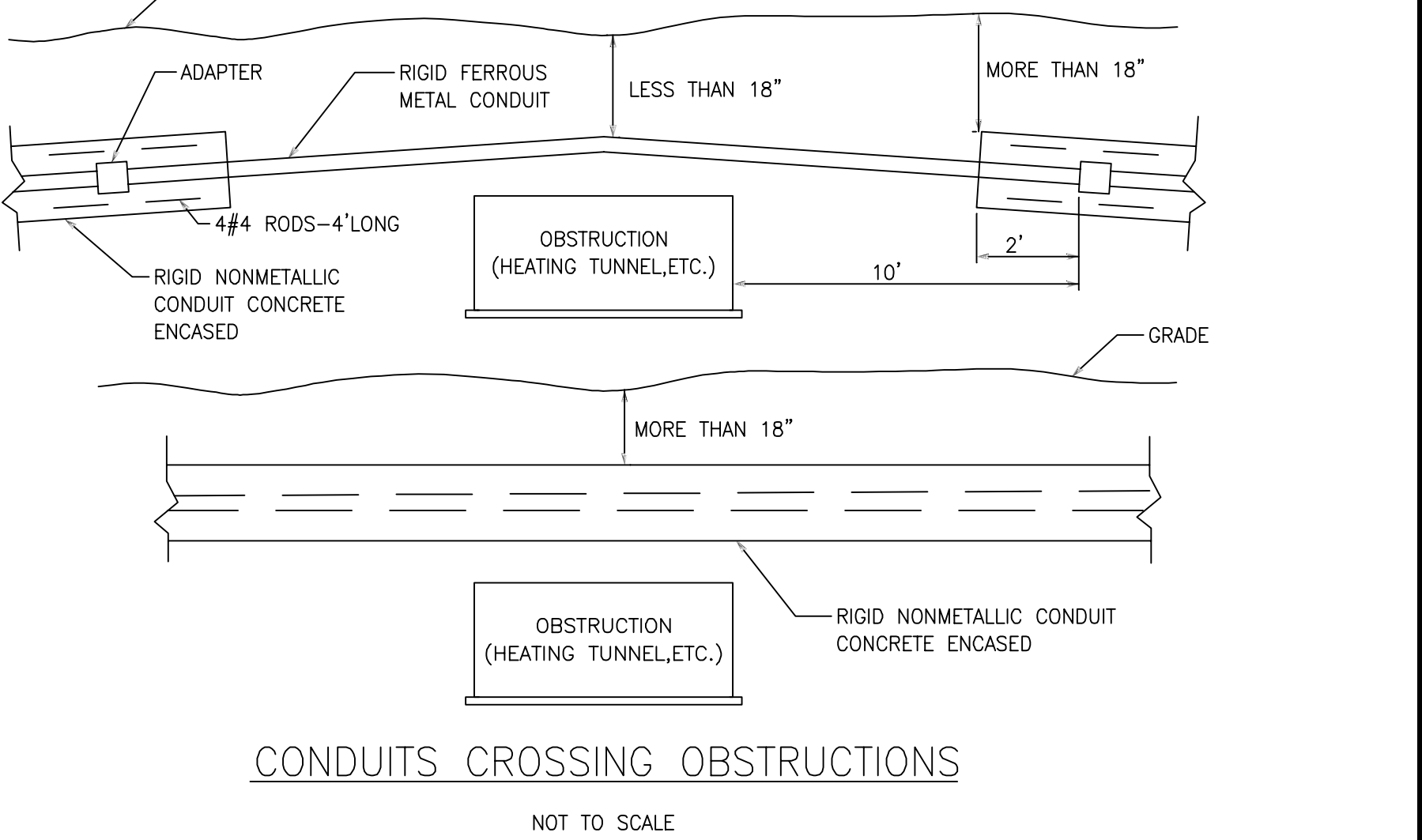
LIGHTNING SURGE ARRESTER CONNECTION DETAIL
 NOT TO SCALE



PARKING LOT LIGHTING STANDARD DETAIL
 NOT TO SCALE



CONDUITS UNDER ROADS OR PARKING LOTS
 NOT TO SCALE



CONDUITS CROSSING OBSTRUCTIONS
 NOT TO SCALE

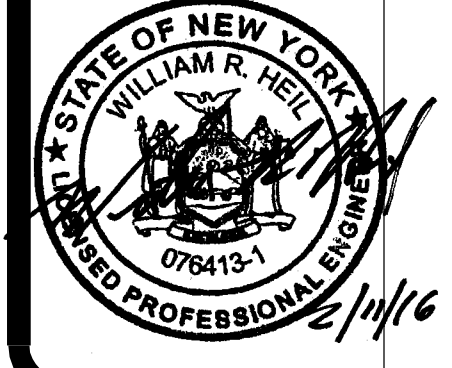
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CONTRACT:
ELECTRICAL
 TITLE: PROVIDE PERIMETER FENCE/SYSTEMS, BUILDINGS & SITE IMPROVEMENTS
 LOCATION: WALLKILL CORRECTIONAL FACILITY ROUTE 208 WALLKILL, NY
 CLIENT: DEPARTMENT OF CORRECTIONS AND COMMUNITY SUPERVISION

MARK	DATE	DESCRIPTION
	1/27/2016	FOR BID
PROJECT NUMBER:	44835 - E	
DESIGNED BY:	NB	
DRAWN BY:	CDS	
FIELD CHECK:		
APPROVED:		
SHEET TITLE:	ELECTRICAL DETAILS AND SCHEDULES SHEET 1	
DRAWING NUMBER:	E-500	
SHEET 135	OF 140	

WARNING:
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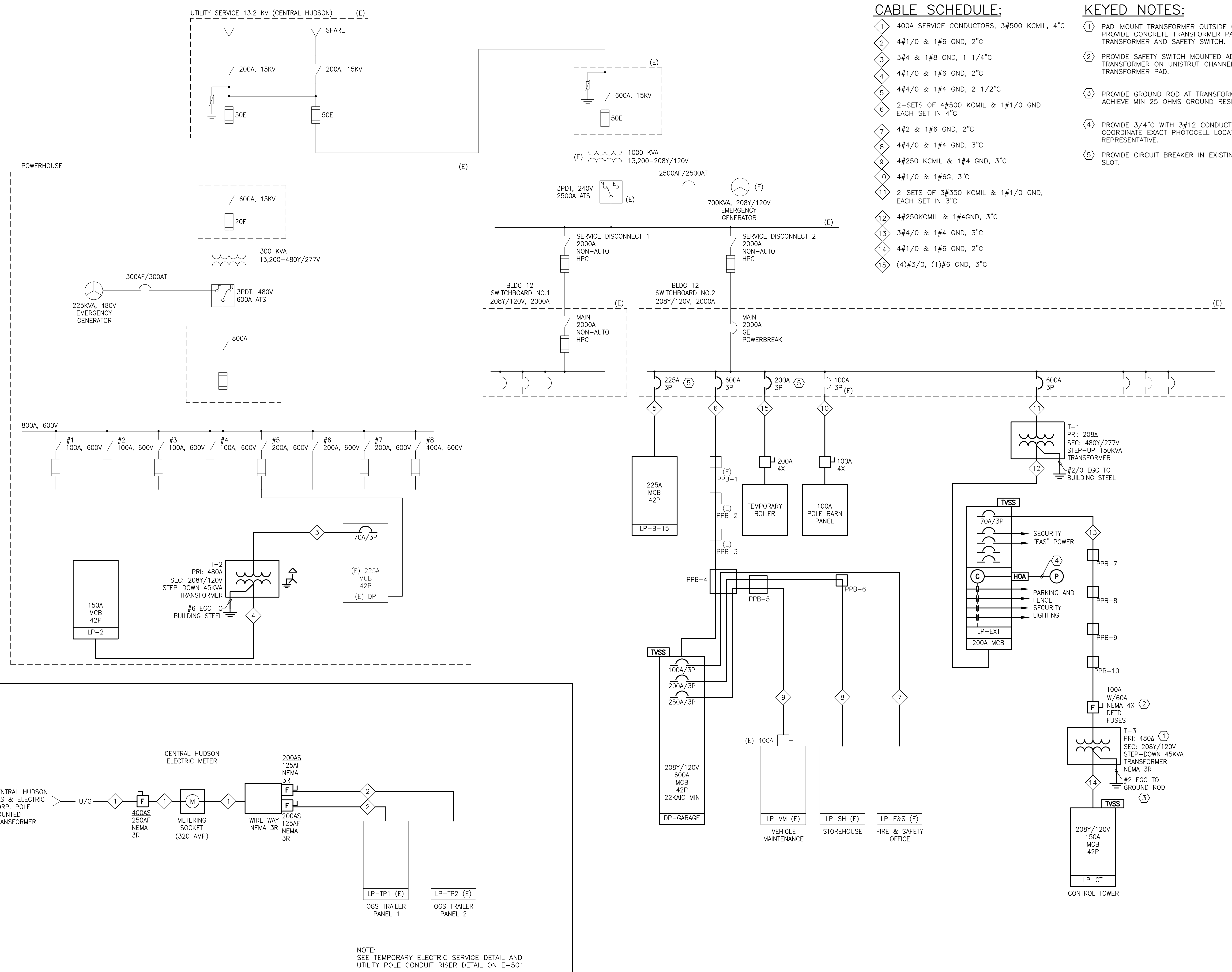
MARK	DATE	DESCRIPTION
	1/27/2016	FOR BID
PROJECT NUMBER:	44835 - E	
DESIGNED BY:	NB	
DRAWN BY:	CDS	
FIELD CHECK:		
APPROVED:		
SHEET TITLE:	ONE-LINE DIAGRAM	
DRAWING NUMBER:	E-600	
SHEET 139	OF 140	

CABLE SCHEDULE:

- 1 400A SERVICE CONDUCTORS, 3#500 KCMIL, 4"C
- 2 4#1/0 & 1#6 GND, 2"C
- 3 3#4 & 1#8 GND, 1 1/4"C
- 4 4#1/0 & 1#6 GND, 2"C
- 5 4#4/0 & 1#4 GND, 2 1/2"C
- 6 2-SETS OF 4#500 KCMIL & 1#1/0 GND, EACH SET IN 4"C
- 7 4#2 & 1#6 GND, 2"C
- 8 4#4/0 & 1#4 GND, 3"C
- 9 4#250 KCMIL & 1#4 GND, 3"C
- 10 4#1/0 & 1#6 GND, 3"C
- 11 2-SETS OF 3#350 KCMIL & 1#1/0 GND, EACH SET IN 3"C
- 12 4#250KCMIL & 1#4GND, 3"C
- 13 3#4/0 & 1#4 GND, 3"C
- 14 4#1/0 & 1#6 GND, 2"C
- 15 (4)#3/0, (1)#6 GND, 3"C

KEYED NOTES:

- 1 PAD-MOUNT TRANSFORMER OUTSIDE CONTROL TOWER. PROVIDE CONCRETE TRANSFORMER PAD TO ACCOMMODATE TRANSFORMER AND SAFETY SWITCH.
- 2 PROVIDE SAFETY SWITCH MOUNTED ADJACENT TO TRANSFORMER ON UNISTRUT CHANNEL MOUNTED ON TRANSFORMER PAD.
- 3 PROVIDE GROUND ROD AT TRANSFORMER LOCATION TO ACHIEVE MIN 25 OHMS GROUND RESISTANCE PER NEC.
- 4 PROVIDE 3/4"C WITH 3#12 CONDUCTORS TO PHOTOCELL. COORDINATE EXACT PHOTOCELL LOCATION WITH DIRECTORS REPRESENTATIVE.
- 5 PROVIDE CIRCUIT BREAKER IN EXISTING SPARE BREAKER SLOT.



1 N.Y.S.O.G.S. PROJECT OFFICE ONE-LINE DIAGRAM
SCALE: NONE

2 ONE-LINE DIAGRAM
SCALE: NONE

NOTE:
SEE TEMPORARY ELECTRIC SERVICE DETAIL AND UTILITY POLE CONDUIT RISER DETAIL ON E-501.

Mar. 17.2016 - 10:07am
 K:\2014 Projects\14015_GOS Wallkill CF - Perimeter Security\400 Design & Documentation\440 Contract Docs\441 AutoCAD Drawings\44835-E-600.dwg
 36x24 PLOT SHEET

DESIGNATION: LP-CT		FULLY RATED EQUIPMENT RATING IS REQUIRED FOR THIS PANELBOARD		PANELBOARD SHORT CIRCUIT RATING 10,000 RMS SYMMETRICAL AMPERES	
CABINET NEMA TYPE:	<input type="checkbox"/>	UL LISTED INTEGRATED EQUIPMENT SHORT CIRCUIT RATING IS ACCEPTABLE FOR THIS PANELBOARD	MAIN LUG ONLY <input type="checkbox"/>		
1 <input type="checkbox"/> 3R <input type="checkbox"/> 4 <input type="checkbox"/> 4X <input type="checkbox"/> 12 <input type="checkbox"/>			MAIN CIRCUIT BREAKER <input type="checkbox"/>		
MOUNTING: SURFACE	<input checked="" type="checkbox"/>	UL LABEL 'SUITABLE FOR USE AS SERVICE EQUIPMENT'	FRAME	POLES	ATE
MAIN: 225A			225	3	150
VOLTAGE: 120/208					COMPONENTS (SEE BELOW)
PHASE: 3					
NO. WIRES: 4					
OTHER REQ: --					
FULL CAPACITY NEUTRAL BUS <input checked="" type="checkbox"/>					
EQUIPMENT GROUNDING BUS <input checked="" type="checkbox"/>					
SECONDARY SURGE ARRESTORS CATEGORY C <input type="checkbox"/>					
BRANCH/FEEDER CIRCUIT BREAKERS					
DESCRIPTION	ATE	NO.	A B C	NO.	ATE
LIGHTING	20	1	--- ---	2	20
LIGHTING	20	3	--- ---	4	20
RECEPTACLES	20	5	--- ---	6	20
RECEPTACLES	20	7	--- ---	8	20
RECEPTACLES	20	9	--- ---	10	20
RECEPTACLES	20	11	--- ---	12	20
PEDESTRIAN GATE G-3	20	13	--- ---	14	20
PEDESTRIAN GATE G-4	20	15	--- ---	16	20
GCC (CONTROL POWER)	20	17	--- ---	18	20
GCC (GEARBOX HEATER)	20	19	--- ---	20	20
INTERCOM MASTER STATION	15	21	--- ---	22	20
EXHAUST FAN	20	23	--- ---	24	20
SPARE	20	25	--- ---	26	20
SPARE	20	27	--- ---	28	20
SPARE	20	29	--- ---	30	20
SPARE	15	31	--- ---	32	20
SPARE		33	--- ---	34	20
SPARE		35	--- ---	36	20
SPACE		37	--- ---	38	20
SPACE		39	--- ---	40	20
SPACE		41	--- ---	42	20

DESIGNATION: LP-2		FULLY RATED EQUIPMENT RATING IS REQUIRED FOR THIS PANELBOARD		PANELBOARD SHORT CIRCUIT RATING 10,000 RMS SYMMETRICAL AMPERES	
CABINET NEMA TYPE:	<input type="checkbox"/>	UL LISTED INTEGRATED EQUIPMENT SHORT CIRCUIT RATING IS ACCEPTABLE FOR THIS PANELBOARD	MAIN LUG ONLY <input type="checkbox"/>		
1 <input type="checkbox"/> 3R <input type="checkbox"/> 4 <input type="checkbox"/> 4X <input type="checkbox"/> 12 <input type="checkbox"/>			MAIN CIRCUIT BREAKER <input type="checkbox"/>		
MOUNTING: SURFACE	<input type="checkbox"/>	UL LABEL 'SUITABLE FOR USE AS SERVICE EQUIPMENT'	FRAME	POLES	ATE
MAIN: 225A			225	3	150
VOLTAGE: 120/208					COMPONENTS (SEE BELOW)
PHASE: 3					
NO. WIRES: 4					
OTHER REQ: --					
FULL CAPACITY NEUTRAL BUS <input checked="" type="checkbox"/>					
EQUIPMENT GROUNDING BUS <input checked="" type="checkbox"/>					
SECONDARY SURGE ARRESTORS CATEGORY C <input checked="" type="checkbox"/>					
BRANCH/FEEDER CIRCUIT BREAKERS					
DESCRIPTION	ATE	NO.	A B C	NO.	ATE
FUEL STATION PUMP 1	20A/1P	1	--- ---	2	20A/1P
FUEL STATION CONTROL PANEL	20A/1P	3	--- ---	4	20A/1P
MANHOLE PUMP	20A/2P	5	--- ---	6	20A/1P
		7	--- ---	8	20A/1P
SPARE	20A/1P	9	--- ---	10	20A/1P
SPARE	20A/1P	11	--- ---	12	20A/1P
SPARE	20A/1P	13	--- ---	14	20A/1P
SPARE	20A/1P	15	--- ---	16	20A/1P
SPARE	20A/1P	17	--- ---	18	20A/1P
SPARE	20A/1P	19	--- ---	20	20A/1P
SPARE	20A/1P	21	--- ---	22	20A/1P
SPARE	20A/1P	23	--- ---	24	20A/1P
SPACE		25	--- ---	26	SPACE
SPACE		27	--- ---	28	SPACE
SPACE		29	--- ---	30	SPACE
SPACE		31	--- ---	32	SPACE
SPACE		33	--- ---	34	SPACE
SPACE		35	--- ---	36	SPACE
SPACE		37	--- ---	38	SPACE
SPACE		39	--- ---	40	SPACE
SPACE		41	--- ---	42	SPACE

DESIGNATION: LP-B-15		FULLY RATED EQUIPMENT RATING IS REQUIRED FOR THIS PANELBOARD		PANELBOARD SHORT CIRCUIT RATING 10,000 RMS SYMMETRICAL AMPERES	
CABINET NEMA TYPE:	<input type="checkbox"/>	UL LISTED INTEGRATED EQUIPMENT SHORT CIRCUIT RATING IS ACCEPTABLE FOR THIS PANELBOARD	MAIN LUG ONLY <input type="checkbox"/>		
1 <input type="checkbox"/> 3R <input type="checkbox"/> 4 <input type="checkbox"/> 4X <input type="checkbox"/> 12 <input type="checkbox"/>			MAIN CIRCUIT BREAKER <input type="checkbox"/>		
MOUNTING: SURFACE	<input type="checkbox"/>	UL LABEL 'SUITABLE FOR USE AS SERVICE EQUIPMENT'	FRAME	POLES	ATE
MAIN: 225A			225	3	225A
VOLTAGE: 120/208					COMPONENTS (SEE BELOW)
PHASE: 3					
NO. WIRES: 4					
OTHER REQ: --					
FULL CAPACITY NEUTRAL BUS <input checked="" type="checkbox"/>					
EQUIPMENT GROUNDING BUS <input checked="" type="checkbox"/>					
SECONDARY SURGE ARRESTORS CATEGORY C <input type="checkbox"/>					
BRANCH/FEEDER CIRCUIT BREAKERS					
DESCRIPTION	ATE	NO.	A B C	NO.	ATE
ARSENAL ROOM RECEPTACLES	20A/1P	1	--- ---	2	20A/1P
ARSENAL ROOM RECEPTACLES	20A/1P	3	--- ---	4	20A/1P
ARSENAL ROOM RECEPTACLES	20A/1P	5	--- ---	6	20A/1P
ARSENAL ROOM RECEPTACLES	20A/1P	7	--- ---	8	20A/1P
ARSENAL ROOM RECEPTACLES	20A/1P	9	--- ---	10	20A/1P
LTG	20A/1P	11	--- ---	12	20A/1P
SPARE	20A/1P	13	--- ---	14	20A/1P
SPARE	20A/1P	15	--- ---	16	20A/1P
SPARE	20A/1P	17	--- ---	18	20A/1P
SPARE	20A/1P	19	--- ---	20	20A/1P
SPARE	20A/1P	21	--- ---	22	20A/1P
SPARE	20A/1P	23	--- ---	24	20A/1P
SPARE	20A/1P	25	--- ---	26	20A/1P
SPARE	20A/1P	27	--- ---	28	20A/1P
SPARE	20A/1P	29	--- ---	30	20A/1P
POWER PEDESTRIAN GATE G-7	20A/1P	31	--- ---	32	20A/1P
POWER PEDESTRIAN GATE G-8	20A/1P	33	--- ---	34	20A/1P
POWER PEDESTRIAN GATE G-9	20A/1P	35	--- ---	36	20A/1P
POWER PEDESTRIAN GATE G-10	20A/1P	37	--- ---	38	20A/1P
POWER (E) GUN PASS ENTRAY GATE	20A/1P	39	--- ---	40	20A/1P
CONTROL POWER	20A/1P	41	--- ---	42	20A/1P

DESIGNATION: LP-EXT		FULLY RATED EQUIPMENT RATING IS REQUIRED FOR THIS PANELBOARD		PANELBOARD SHORT CIRCUIT RATING 14,000 RMS SYMMETRICAL AMPERES	
CABINET NEMA TYPE:	<input type="checkbox"/>	UL LISTED INTEGRATED EQUIPMENT SHORT CIRCUIT RATING IS ACCEPTABLE FOR THIS PANELBOARD	MAIN LUG ONLY <input type="checkbox"/>		
1 <input type="checkbox"/> 3R <input type="checkbox"/> 4 <input type="checkbox"/> 4X <input type="checkbox"/> 12 <input type="checkbox"/>			MAIN CIRCUIT BREAKER <input checked="" type="checkbox"/>		
MOUNTING: SURFACE	<input type="checkbox"/>	UL LABEL 'SUITABLE FOR USE AS SERVICE EQUIPMENT'	FRAME	POLES	ATE
MAIN: 225A			225	3	200
VOLTAGE: 277/480V					COMPONENTS (SEE BELOW)
PHASE: 3					
NO. WIRES: 4					
OTHER REQ: --					
FULL CAPACITY NEUTRAL BUS <input checked="" type="checkbox"/>					
EQUIPMENT GROUNDING BUS <input checked="" type="checkbox"/>					
SECONDARY SURGE ARRESTORS CATEGORY C <input checked="" type="checkbox"/>					
BRANCH/FEEDER CIRCUIT BREAKERS (NON-SWITCHED)					
DESCRIPTION	ATE	NO.	A B C	NO.	ATE
LP-CT (45 KVA XFMR)	70A	1	--- ---	2	20A
		3	--- ---	4	20A
		5	--- ---	6	20A
FAS POWER - SOUTHBOUND	20A	7	--- ---	8	20A
SPARE	20A	9	--- ---	10	20A
SPARE	20A	11	--- ---	12	20A
SPARE	20A	13	--- ---	14	20A
SPARE	20A	15	--- ---	16	20A
SPARE	20A	17	--- ---	18	20A
SPARE	20A	19	--- ---	20	20A
SPARE	20A	21	--- ---	22	20A
SPARE	20A	23	--- ---	24	20A
CONTACTOR 150A, 3 POLE					
BRANCH/FEEDER CIRCUIT BREAKERS (SWITCHED)					
DESCRIPTION	ATE	NO.	A B C	NO.	ATE
PARKING LOT LIGHTING CIRCUIT m	25	25	--- ---	26	20A
PARKING LOT LIGHTING CIRCUIT n	20A	27	--- ---	28	20A
PARKING LOT LIGHTING CIRCUIT o	20A	29	--- ---	30	20A
SPARE	20A	31	--- ---	32	20A
SPARE	20A	33	--- ---	34	20A
SPARE	20A	35	--- ---	36	20A
SPARE	20A	37	--- ---	38	20A
SPARE	20A	39	--- ---	40	20A
SPARE	20A	41	--- ---	42	20A

DESIGNATION: DP-GARAGE		FULLY RATED EQUIPMENT RATING IS REQUIRED FOR THIS PANELBOARD		PANELBOARD SHORT CIRCUIT RATING 10,000 RMS SYMMETRICAL AMPERES	
CABINET NEMA TYPE:	<input type="checkbox"/>	UL LISTED INTEGRATED EQUIPMENT SHORT CIRCUIT RATING IS ACCEPTABLE FOR THIS PANELBOARD	MAIN LUG ONLY <input type="checkbox"/>		
1 <input type="checkbox"/> 3R <input type="checkbox"/> 4 <input type="checkbox"/> 4X <input type="checkbox"/> 12 <input type="checkbox"/>			MAIN CIRCUIT BREAKER <input checked="" type="checkbox"/>		
MOUNTING: SURFACE	<input type="checkbox"/>	UL LABEL 'SUITABLE FOR USE AS SERVICE EQUIPMENT'	FRAME	POLES	ATE
MAIN: 600A			600	3	600
VOLTAGE: 120/208					COMPONENTS (SEE BELOW)
PHASE: 3					
NO. WIRES: 4					
OTHER REQ: --					
FULL CAPACITY NEUTRAL BUS <input checked="" type="checkbox"/>					
EQUIPMENT GROUNDING BUS <input checked="" type="checkbox"/>					
SECONDARY SURGE ARRESTORS CATEGORY C <input checked="" type="checkbox"/>					
BRANCH/FEEDER CIRCUIT BREAKERS					
DESCRIPTION	ATE	NO.	A B C	NO.	ATE
LP-VM	250A/3P	1	--- ---	2	200A/3P
		3	--- ---	4	20A
		5	--- ---	6	20A
LP-F&S	100A/3P	7	--- ---	8	150A/3P
		9	--- ---	10	20A
		11	--- ---	12	20A
SPARE	20A/1P	13	--- ---	14	20A/1P
SPARE	20A/1P	15	--- ---	16	20A/1P
SPARE	20A/1P	17	--- ---	18	20A/1P
SPARE	20A/1P	19	--- ---	20	20A/1P
SPARE	20A/1P	21	--- ---	22	20A/1P
SPARE	20A/1P	23	--- ---	24	20A/1P
SPACE		25	--- ---	26	SPACE
SPACE		27	--- ---	28	SPACE
SPACE		29	--- ---	30	SPACE
SPACE		31	--- ---	32	SPACE
SPACE		33	--- ---	34	SPACE
SPACE		35	--- ---	36	SPACE
SPACE		37	--- ---	38	SPACE
SPACE		39	--- ---	40	SPACE
SPACE		41	--- ---	42	SPACE

NOTES:

- SEE SHEET E-001 FOR LEGEND AND ABBREVIATIONS.

KEYED NOTES:

- PROVIDE 2#12 & 1#12 GND, 3/4" TO LEAK DETECTION CONTROL PANEL. COORDINATE WITH H CONTRACT ON EXACT LOCATION.



DESIGN & CONSTRUCTION

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 PLANNING
 INTERIOR DESIGN
 COMMISSIONING

WARNING:
 THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS 'A' MISDEMEANOR.



CONTRACT: **ELECTRICAL**
 TITLE: PROVIDE PERIMETER FENCE/SYSTEMS, BUILDINGS & SITE IMPROVEMENTS
 LOCATION: WALLKILL CORRECTIONAL FACILITY ROUTE 208 WALLKILL, NY
 CLIENT: DEPARTMENT OF CORRECTIONS AND COMMUNITY SUPERVISION

MARK	DATE	DESCRIPTION
	1/27/2016	FOR BID
PROJECT NUMBER:	44835 - E	
DESIGNED BY:	NB	
DRAWN BY:	CDS	
FIELD CHECK:		
APPROVED:		
SHEET TITLE:	PANEL SCHEDULES	
DRAWING NUMBER:	E-601	
	SHEET 140	OF 140



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DEMOLITION SURVEY FOR ASBESTOS CONTAINING MATERIALS AND LEAD BASED PAINT

PERFORMED AT:

Wallkill Correctional Facility
OGS Trailer

50 Mc Kendrick Rd
Wallkill, NY 12589

Adelaide Project# OGS: 16036.00-IN
OGS Project# 44835

PREPARED FOR:

New York State Office of General Services
Design and Construction

Project Control, 35th Floor, Corning Tower
The Governor Nelson A. Rockefeller Empire State Plaza
Albany, New York 12242

PREPARED BY:

David Seddon
February 20, 2016

REVIEWED BY:

A handwritten signature in blue ink, appearing to read 'Stephanie A. Soter', is written over a light blue rectangular background.

Stephanie A. Soter
President

DEMOLITION SURVEY FOR ASBESTOS CONTAINING MATERIALS
AND LEAD BASED PAINT
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APPENDICES

Asbestos Analytical Results and Chain of Custody Forms	Appendix A
XRF Results	Appendix B
Personnel and Laboratory Certifications	Appendix C
Sample Location Map	Appendix D

1.0 BACKGROUND/PURPOSE

Adelaide Environmental Health Associates, Inc. (Adelaide) was retained by OGS to perform an investigative asbestos and lead based paint survey at Wallkill Correctional Facility in Wallkill, New York. This survey was based on the scope for the demolition of the OGS trailer on the facility property. The inspection was performed on January 27, 2016 by Adelaide representatives David Seddon (NYS Asbestos Inspector and EPA Lead Inspector).

2.0 EXECUTIVE SUMMARY OF INSPECTION RESULTS

Following the scope of work that was given to us, Adelaide inspected all interior and exterior spaces of the trailer for asbestos and lead based paint. Adelaide collected thirty two (32) asbestos samples and nine (9) XRF readings from the above mentioned areas. Zero (0) samples/homogenous areas tested positive for asbestos and zero (0) XRF readings tested positive for lead based paint.

2.1 SUMMARY OF ASBESTOS CONTAINING MATERIALS

Samples collected by Adelaide on January 27, 2016

Sample #	Material Sampled	Approximate Quantity	Condition	Areas Affected
No Positive Samples				

2.2 SUMMARY OF LEAD BASED PAINT

XRF Readings taken by Adelaide on January 27, 2016

Sample #	Sample Location	Material Sampled	Reading (mg/cm ²)
No Positive Readings			

2.3 NEGATIVE MATERIALS LIST:

- 4" Covebase
- 4" Covebase Adhesive
- Wall Panel Paper
- Wall Panel Sheetrock (White)
- Linoleum Flooring
- Linoleum Flooring Adhesive
- Ceiling Panel Paper with Texture
- Ceiling Panel Sheetrock (Red)
- Ceiling Panel Top Layer Paper with Adhesive
- Foundation Pad
- Rubber Cover at Expansion
- Expansion Cover Hard Material
- Clear Sealant at Drip Edge, Window and Door
- Soft White Sealant at Exhaust and Windows
- Black Sealant at Window

- Hard Patch at Exhaust and Vent Pipe

3.0 ASBESTOS FIELD PROCEDURES AND ANALYSIS METHODOLOGY

3.1 INSPECTION

Guidelines used for the inspection were established by the U.S. Environmental Protection Agency (EPA) in the Guidance for Controlling Asbestos Containing Materials in Buildings, Office of Pesticides and Toxic Substances, DOC# 560/5-85-024 and 40 CFR Part 763, Asbestos Hazard Emergency Response Act (AHERA). Field information was organized as per the AHERA concept of a homogeneous area (HA); that is, suspect Asbestos Containing Materials (ACM) with similar age, appearance, and texture were grouped together, sampled and assessed for condition.

For the purposes of this inspection, suspect ACM has been placed in three material categories: thermal, surfacing, and miscellaneous.

Surfacing materials are those that are sprayed on, troweled on or otherwise applied to surfaces for fireproofing, acoustical, or decorative purposes (e.g., wall and ceiling plaster).

Thermal materials are those applied to heat pipes or other structural components to prevent heat loss or gain or prevent water condensation (e.g., pipe and fitting insulation, duct insulation, boiler flue).

Miscellaneous materials are interior building materials on structural components, structural members or fixtures, such as floor and ceiling tiles, etc. and do not include surfacing material or thermal system insulation.

3.2 SAMPLING

SURFACING MATERIALS

Surfacing materials were grouped into homogeneous sampling areas. A homogeneous area contains material that is uniform in color and texture and appears identical in every other respect. Materials installed at different times belong to different sampling areas. Homogeneous areas were determined on per floor basis.

The following protocol was used for determining the number of samples to be collected:

- At least three bulk samples were collected from each homogeneous area that is 1,000 square feet or less.
- At least five bulk samples were collected from each homogeneous area that is greater than 1,000 square feet but less than or equal to 5,000 square feet.
- At least seven bulk samples were collected from each homogeneous area that is greater than 5,000 square feet.

THERMAL SYSTEM INSULATION (TSI)

The concept of homogeneous sampling areas applies equally well to thermal insulation as to surfacing material. A "typical" building may contain multiple insulated pipe runs from any combination of the following categories:

- Hot water supply and/or return
- Cold water supply
- Chilled water supply
- Steam supply and/or return
- Roof or system drain

The following protocol was used for determining the number of samples to be collected.

- Collect at least three bulk samples from each homogeneous area of thermal system insulation.
- Collect at least one bulk sample from each homogeneous area of patched thermal system insulation if the patched section is less than 6 linear or square feet.
- In a manner sufficient to determine whether the material is ACM or not ACM, collect a minimum of three bulk samples from each homogeneous insulated mechanical system tee, elbow, and valve.

Bulk samples are not collected from any homogeneous area where the certified inspector has determined that the thermal system insulation is fiberglass, foam glass, or rubber.

MISCELLANEOUS MATERIALS

Miscellaneous materials are grouped into different homogeneous areas and at least two bulk samples are collected from each homogeneous area as per the clarification letter from the EPA and the Professional Abatement Contractors of New York, Inc in November of 2007.

3.3 ANALYSIS

Bulk samples of suspect ACM were analyzed by Polarized Light Microscopy (PLM) with dispersion staining, as described in 40CFR Part 763 and the National Emissions Standard for Hazardous Air Pollutants (NESHAPS).

The New York State (NYS) Department of Health has recently revised the PLM Stratified Point Counting Method. The new method, Polarized Light Microscopy for Identifying and Quantitating Asbestos in Bulk Samples can be found as Item 198.1 in the Environmental Laboratory Accreditation Program (ELAP) Certification manual.

The State of New York ELAP has determined that analysis of NOB materials is not reliably performed by PLM. Therefore, if PLM yields negative results for a non-friable material, it must be confirmed by Transmission Electron Microscopy (TEM) analysis.

4.0 CONCLUSIONS AND RECOMMENDATIONS

This survey concluded that the materials listed in Section 2.0 Executive Summary tested *negative for asbestos and lead based paint*.

5.0 AREAS NOT ACCESSIBLE

Adelaide Environmental Health Associates inspected and sampled materials which were visible and/or accessible to the survey team. Adelaide does not inspect physically inaccessible areas, such as between walls, above fixed ceilings, under concrete slabs, etc. This report makes no representations as to the content of these areas or materials.

All materials present in those not accessible areas shall be assumed positive until tested.

6.0 REPORT CERTIFICATIONS

Adelaide Environmental Health Associates certifies that the information contained herein is based on the physical and visual inspections conducted by Adelaide and data collected during the inspection survey. This survey report does not constitute a NYS Asbestos Abatement Design and should not be used for bidding purposes. A NYS Abatement Design should be prepared by a NYS Asbestos Designer working for a NYS Asbestos Company (as required by NYS Code Rule 56).

7.0 TRANSMITTAL OF BUILDING/STRUCTURE ASBESTOS SURVEY

One (1) copy of the results of the building/structure asbestos survey shall be immediately transmitted by the building/structure owner as follows:

- (1) One (1) copy of the completed asbestos survey shall be sent by the owner or their agent to the local government entity charged with issuing a permit for such demolition, renovation, remodeling or repair work under applicable State or local laws.
- (2) The completed asbestos survey for controlled demolition (as per Subpart 56-11.5) or pre-demolition asbestos projects shall also be submitted to the appropriate Asbestos Control Bureau district office.
- (3) The completed asbestos survey shall be kept on the construction site with the asbestos notification and variance, if required, throughout the duration of the asbestos project and any associated demolition, renovation, remodeling or repair project.

APPENDIX A

ASBESTOS ANALYTICAL RESULTS

AND CHAIN OF CUSTODY FORMS

Client Name: Adelaide Environmental Health

Table I
Summary of Bulk Asbestos Analysis Results
 OGS:16036.00-IN; Wallkill CF; Route 208, Wallkill, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	1	1	0.238	47.1	51.7	1.3	NAD	NAD
	Location: 1st Floor, Room 1-12 - 4" Cove Base							
02	2	1	0.212	48.6	50.0	1.4	NAD	NAD
	Location: 1st Floor, Room 1-12 - 4" Cove Base							
03	3	2	0.147	43.5	52.4	4.1	NAD	NAD
	Location: 1st Floor, Room 1-12 - 4" Cove Base Adhesive							
04	4	2	0.144	66.7	31.3	2.1	NAD	NAD
	Location: 1st Floor, Room 1-12 - 4" Cove Base Adhesive							
05	5	3	0.121	82.6	9.1	8.3	NAD	NAD
	Location: 1st Floor, Room 1-12 - Wall Panel - Paper							
06	6	3	0.113	73.5	22.1	4.4	NAD	NAD
	Location: 1st Floor, Room 1-12 - Wall Panel - Paper							
07	7	4	----	----	----	----	NAD	NA
	Location: 1st Floor, Room 1-12 - Wall Panel - Sheetrock (White)							
08	8	4	----	----	----	----	NAD	NA
	Location: 1st Floor, Room 1-12 - Wall Panel - Sheetrock (White)							
09	9	5	0.163	72.4	26.4	1.2	NAD	NAD
	Location: 1st Floor, Room 1-12 - Linoleum Flooring							
10	10	5	0.146	71.2	28.1	0.7	NAD	NAD
	Location: 1st Floor, Room 1-12 - Linoleum Flooring							
11	11	6	0.134	61.0	21.9	17.2	NAD	NAD
	Location: 1st Floor, Room 1-12 - Linoleum Flooring Adhesive On Wood							
12	12	6	0.120	36.7	49.2	14.2	NAD	NAD
	Location: 1st Floor, Room 1-12 - Linoleum Flooring Adhesive On Wood							
13	13	7	----	----	----	----	NAD	NA
	Location: 1st Floor, Room 1-6 - Ceiling Panel - Paper W/ Texture							
14	14	7	----	----	----	----	NAD	NA
	Location: 1st Floor, Room 1-6 - Ceiling Panel - Paper W/ Texture							
15	15	8	----	----	----	----	NAD	NA
	Location: 1st Floor, Room 1-6 - Ceiling Panel - Sheetrock (Red)							
16	16	8	----	----	----	----	NAD	NA
	Location: 1st Floor, Room 1-6 - Ceiling Panel - Sheetrock (Red)							

See Reporting notes on last page

Client Name: Adelaide Environmental Health

Table I
Summary of Bulk Asbestos Analysis Results
 OGS:16036.00-IN; Walkkill CF; Route 208, Walkkill, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
17	17	9	0.105	94.3	3.8	1.9	NAD	NAD
Location: 1st Floor, Room 1-6 - Ceiling Panel - Top Paper W/ Adhesive								
18	18	9	0.100	79.0	19.0	2.0	NAD	NAD
Location: Ext., Exterior - Ceiling Panel - Top Paper W/ Adhesive								
19	19	10	----	----	----	----	NAD	NA
Location: Ext., Exterior - Foundation Pad								
20	20	10	----	----	----	----	NAD	NA
Location: Ext., Exterior - Foundation Pad								
21	21	11	0.221	84.6	12.7	2.7	NAD	NAD
Location: Ext., Roof - Center Rubber Cover @ Expansion								
22	22	11	0.296	83.8	12.8	3.4	NAD	NAD
Location: Ext., Roof - Center Rubber Cover @ Expansion								
23	23	12	0.138	66.7	3.6	29.7	NAD	NAD
Location: Ext., Roof - Expansion Cover (Hard Material)								
24	24	12	0.106	65.1	5.7	29.2	NAD	NAD
Location: Ext., Roof - Expansion Cover (Hard Material)								
25	25	13	0.113	90.3	0.9	8.8	NAD	NAD
Location: Ext., Roof - Clear Sealant @ Drip Edge								
26	26	13	0.188	86.2	2.7	11.2	NAD	NAD
Location: Ext., Window - Clear Sealant @ Window, Door & Units								
27	27	14	0.207	25.1	54.1	20.8	NAD	NAD
Location: Ext., Roof - Soft White Sealant @ Exhaust								
28	28	14	0.220	25.9	54.1	20.0	NAD	NAD
Location: Ext., Window - Soft White Sealant @ Window								
29	29	15	0.121	90.1	8.3	1.7	NAD	NAD
Location: Ext., Window Exterior - Block Sealant								
30	30	15	0.104	40.4	51.0	8.7	NAD	NAD
Location: Ext., Window Exterior - Block Sealant								
31	31	16	0.101	48.5	21.8	29.7	NAD	NAD
Location: Ext., Roof - Hard Patch @ Exhaust & Vent Pipe								
32	32	16	0.185	48.6	17.3	34.1	NAD	NAD
Location: Ext., Roof - Hard Patch @ Exhaust & Vent Pipe								

See Reporting notes on last page

Client Name: Adelaide Environmental Health

Table I
Summary of Bulk Asbestos Analysis Results
 OGS:16036.00-IN; Walkkill CF; Route 208, Walkkill, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
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Analyzed by: John P. Koubiadis ; Date Analyzed 2/1/2016

**Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis --PLM by EPA 600/M4-82-020 per 40 CFR or ELAP 198.1 for New York friable samples or ELAP 198.6 for New York NOB samples; TEM (Semi/Full) by EPA 600/R-93/116 (not covered by NVLAP Bulk accreditation) or ELAP 198.4; for New York samples; NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses); NVLAP 200546-0, NYSDOH ELAP Lab 11480, AIHA Lab 102843.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogenous materials).

Reviewed By: 



PLM Bulk Asbestos Report

Adelaide Environmental Health
Attn: John Soter
1511 Rte. 22, Suite C24

Brewster, NY 10509

Date Received 01/29/16 **AmeriSci Job #** 216013893
Date Examined 01/31/16 **P.O. #**
ELAP # 11480 **Page** 1 of 6
RE: OGS:16036.00-IN; Walkkill CF; Route 208, Walkkill, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
1 1 Location: 1st Floor, Room 1-12 - 4" Cove Base	216013893-01	No	NAD (by NYS ELAP 198.6) by Ella Babayeva on 01/31/16
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 1.3 %			
2 1 Location: 1st Floor, Room 1-12 - 4" Cove Base	216013893-02	No	NAD (by NYS ELAP 198.6) by Ella Babayeva on 01/31/16
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 1.4 %			
3 2 Location: 1st Floor, Room 1-12 - 4" Cove Base Adhesive	216013893-03	No	NAD (by NYS ELAP 198.6) by Ella Babayeva on 01/31/16
Analyst Description: Cream, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 4.1 %			
4 2 Location: 1st Floor, Room 1-12 - 4" Cove Base Adhesive	216013893-04	No	NAD (by NYS ELAP 198.6) by Ella Babayeva on 01/31/16
Analyst Description: Cream, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 2.1 %			
5 3 Location: 1st Floor, Room 1-12 - Wall Panel - Paper	216013893-05	No	NAD (by NYS ELAP 198.6) by Ella Babayeva on 01/31/16
Analyst Description: Brown/White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 8.3 %			

Client Name: Adelaide Environmental Health

PLM Bulk Asbestos Report

OGS:16036.00-IN; Walkkill CF; Route 208, Walkkill, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
6 3	216013893-06 Location: 1st Floor, Room 1-12 - Wall Panel - Paper	No	NAD (by NYS ELAP 198.6) by Ella Babayeva on 01/31/16
Analyst Description: Brown/White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 4.4 %			
7 4	216013893-07 Location: 1st Floor, Room 1-12 - Wall Panel - Sheetrock (White)	No	NAD (by NYS ELAP 198.1) by Ella Babayeva on 01/31/16
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 10 %, Fibrous glass Trace, Non-fibrous 90 %			
8 4	216013893-08 Location: 1st Floor, Room 1-12 - Wall Panel - Sheetrock (White)	No	NAD (by NYS ELAP 198.1) by Ella Babayeva on 01/31/16
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Fibrous glass Trace, Non-fibrous 100 %			
9 5	216013893-09 Location: 1st Floor, Room 1-12 - Linoleum Flooring	No	NAD (by NYS ELAP 198.6) by Ella Babayeva on 01/31/16
Analyst Description: OffWhite, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 1.2 %			
10 5	216013893-10 Location: 1st Floor, Room 1-12 - Linoleum Flooring	No	NAD (by NYS ELAP 198.6) by Ella Babayeva on 01/31/16
Analyst Description: OffWhite, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 0.7 %			
11 6	216013893-11 Location: 1st Floor, Room 1-12 - Linoleum Flooring Adhesive On Wood	No	NAD (by NYS ELAP 198.6) by Ella Babayeva on 01/31/16
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 17.2 %			

Client Name: Adelaide Environmental Health

PLM Bulk Asbestos Report

OGS:16036.00-IN; Walkkill CF; Route 208, Walkkill, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
12 6	216013893-12 Location: 1st Floor, Room 1-12 - Linoleum Flooring Adhesive On Wood	No	NAD (by NYS ELAP 198.6) by Ella Babayeva on 01/31/16
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 14.2 %			
13 7	216013893-13 Location: 1st Floor, Room 1-6 - Ceiling Panel - Paper W/ Texture	No	NAD (by NYS ELAP 198.1) by Ella Babayeva on 01/31/16
Analyst Description: Brown/White, Homogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 15 %, Non-fibrous 85 %			
14 7	216013893-14 Location: 1st Floor, Room 1-6 - Ceiling Panel - Paper W/ Texture	No	NAD (by NYS ELAP 198.1) by Ella Babayeva on 01/31/16
Analyst Description: Brown/White, Homogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 25 %, Non-fibrous 75 %			
15 8	216013893-15 Location: 1st Floor, Room 1-6 - Ceiling Panel - Sheetrock (Red)	No	NAD (by NYS ELAP 198.1) by Ella Babayeva on 01/31/16
Analyst Description: Pink, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Fibrous glass Trace, Non-fibrous 100 %			
16 8	216013893-16 Location: 1st Floor, Room 1-6 - Ceiling Panel - Sheetrock (Red)	No	NAD (by NYS ELAP 198.1) by Ella Babayeva on 01/31/16
Analyst Description: Pink, Homogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 20 %, Fibrous glass Trace, Non-fibrous 80 %			
17 9	216013893-17 Location: 1st Floor, Room 1-6 - Ceiling Panel - Top Paper W/ Adhesive	No	NAD (by NYS ELAP 198.6) by Ella Babayeva on 01/31/16
Analyst Description: Yellow/Tan, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 1.9 %			

See Reporting notes on last page

Client Name: Adelaide Environmental Health

PLM Bulk Asbestos Report

OGS:16036.00-IN; Walkkill CF; Route 208, Walkkill, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
18 9	216013893-18 Location: Ext., Exterior - Ceiling Panel - Top Paper W/ Adhesive	No	NAD (by NYS ELAP 198.6) by Ella Babayeva on 01/31/16
Analyst Description: Yellow/Tan, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 2 %			
19 10	216013893-19 Location: Ext., Exterior - Foundation Pad	No	NAD (by NYS ELAP 198.1) by Ella Babayeva on 01/31/16
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
20 10	216013893-20 Location: Ext., Exterior - Foundation Pad	No	NAD (by NYS ELAP 198.1) by Ella Babayeva on 01/31/16
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
21 11	216013893-21 Location: Ext., Roof - Center Rubber Cover @ Expansion	No	NAD (by NYS ELAP 198.6) by Ella Babayeva on 01/31/16
Analyst Description: Silver/Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 2.7 %			
22 11	216013893-22 Location: Ext., Roof - Center Rubber Cover @ Expansion	No	NAD (by NYS ELAP 198.6) by Ella Babayeva on 01/31/16
Analyst Description: Silver/Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 3.4 %			
23 12	216013893-23 Location: Ext., Roof - Expansion Cover (Hard Material)	No	NAD (by NYS ELAP 198.6) by Ella Babayeva on 01/31/16
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 29.7 %			

PLM Bulk Asbestos Report

OGS:16036.00-IN; Walkkill CF; Route 208, Walkkill, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
24 12	216013893-24 Location: Ext., Roof - Expansion Cover (Hard Material)	No	NAD (by NYS ELAP 198.6) by Ella Babayeva on 01/31/16
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 29.2 %			
25 13	216013893-25 Location: Ext., Roof - Clear Sealant @ Drip Edge	No	NAD (by NYS ELAP 198.6) by Ella Babayeva on 01/31/16
Analyst Description: Clear, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 8.8 %			
26 13	216013893-26 Location: Ext., Window - Clear Sealant @ Window, Door & Units	No	NAD (by NYS ELAP 198.6) by Ella Babayeva on 01/31/16
Analyst Description: Clear, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 11.2 %			
27 14	216013893-27 Location: Ext., Roof - Soft White Sealant @ Exhaust	No	NAD (by NYS ELAP 198.6) by Ella Babayeva on 01/31/16
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 20.8 %			
28 14	216013893-28 Location: Ext., Window - Soft White Sealant @ Window	No	NAD (by NYS ELAP 198.6) by Ella Babayeva on 01/31/16
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 20 %			
29 15	216013893-29 Location: Ext., Window Exterior - Block Sealant	No	NAD (by NYS ELAP 198.6) by Ella Babayeva on 01/31/16
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 1.7 %			

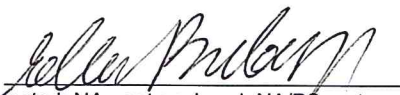
Client Name: Adelaide Environmental Health

PLM Bulk Asbestos Report

OGS:16036.00-IN; Walkkill CF; Route 208, Walkkill, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
30 15	216013893-30 Location: Ext., Window Exterior - Block Sealant	No	NAD (by NYS ELAP 198.6) by Ella Babayeva on 01/31/16
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 8.7 %			
31 16	216013893-31 Location: Ext., Roof - Hard Patch @ Exhaust & Vent Pipe	No	NAD (by NYS ELAP 198.6) by Ella Babayeva on 01/31/16
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 29.7 %			
32 16	216013893-32 Location: Ext., Roof - Hard Patch @ Exhaust & Vent Pipe	No	NAD (by NYS ELAP 198.6) by Ella Babayeva on 01/31/16
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 34.1 %			

Reporting Notes:

Analyzed by: Ella Babayeva 

*NAD/NSD =no asbestos detected; NA =not analyzed; NA/PS=not analyzed/positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP 200546-0), ELAP PLM Method 198.1 for NY friable samples, which includes the identification and quantitation of vermiculite or 198.6 for NOB samples or EPA 400 pt ct by EPA 600/M4-82-020 (NY ELAP Lab 11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab.This PLM report relates ONLY to the items tested. AIHA-LAP, LLC Lab ID 102843, RI Cert AAL-094, CT Cert PH-0186, Mass Cert AA000054.

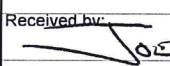
Reviewed By: 

END OF REPORT _____

Adelaide Environmental Health Associates, Inc

1511 Route 22, Suite C24
 Brewster, NY 10509
 845-278-7710
 845-278-7750 - fax

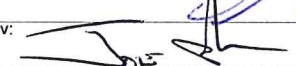
#216013893

Site Address: Walkkill CF			Date: 01/27/16	Inspector(s) David Seddon		
Route 208						
Walkkill, NY			Project #: OGS:16036.00-IN	Quantity (In Feet)	Friable NonFriable	Condition g, d, sd
Sample ID #	Homogeneous Area	Floor Level	Sample Location/Description	Quantity (In Feet)	Friable NonFriable	Condition g, d, sd
1	1	1 ST	Room H12 - 4" Car base	13156		G
2	1		- b b	1		b
3	2		- b b Adhesive	13151		G
4	2		- b b b	b		b
5	3		- Wall Panel - Paper	4,200sf		G
6	3		- b b	b		b
7	4		- Sheetrock (white)	4,200sf		G
8	4		- b b b	b		b
9	5		- Linoleum Flooring	1,600sf		G
10	5		- b b	b		b
11	6		- Adhesive on wood	1,600sf		G
12	6		- b b b	b		b
13						
Special Instructions/ Turnaround Time:				Relinquished by:		
Stop at 1st Positive per Homogenous Area Fax Results to 845-278-7750 E-Mail Results to AdelaideLabResults@adelaidellc.com				Received by:  1/29/16 1005		
				Relinquished by:		
				Received by:		

Adelaide Environmental Health Associates, Inc

1511 Route 22, Suite C24
 Brewster, NY 10509
 845-278-7710
 845-278-7750 - fax

#216013893

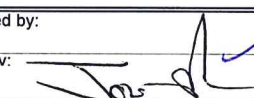
Site Address: Wallkill CF			Date: 01/27/16			Inspector(s) David Seddon			
Route 208									
Wallkill, NY			Project #: OGS:16036.00-IN						
Sample ID #	Homogeneous Area	Floor Level	Sample Location/Description				Quantity (In Feet)	Friable NonFriable	Condition g, d, sd
13	7	1 st	Room 1-6 - Ceiling Panel - Paper w/ Texture				1,600sf		G
14	7		- b b				b		b
15	8		- Sheetrock (Red)				1,600sf		G
16	8		- b b				b		b
17	9		- Top Paper w/ Adhesive				1,600sf		G
18	9	Ext	Exterior - b b - b b				b		b
19	10		- Foundation Pld				1,600sf		G
20	10		- b b				b		b
21	11		Roof - Center Rubber Cover @ Expansion				60sf		D
22	11		- b b				b		b
23	12		- Expansion Cover (Hard Material)				60sf		D
24	12		- b b				b		b
Special Instructions/ Turnaround Time:						Relinquished by:			
Stop at 1st Positive per Homogenous Area Fax Results to 845-278-7750 E-Mail Results to AdelaideLabResults@adelaidellc.com						Received by:  1/29/16 1004			
						Relinquished by:			
						Received by:			

3 day TAT

Adelaide Environmental Health Associates, Inc

1511 Route 22, Suite C24
 Brewster, NY 10509
 845-278-7710
 845-278-7750 - fax

216013893

Site Address: Wallkill CF			Date: 01/27/16	Inspector(s) David Seddon		
Route 208						
Wallkill, NY			Project #: OGS:16036.00-IN			
Sample ID #	Homogeneous Area	Floor Level	Sample Location/Description	Quantity (In Feet)	Friable NonFriable	Condition g, d, sd
25	13	Ext	Roof - Clear Sealant @ Drop Edge	1546'		SD
26	13		Window - b b @ Window, Door Units	1201'		SD
27	14		Roof - Soft White Sealant @ Exhaust	1102'		D
28	14		Window - b b @ Window	906'		b
29	15		Window Exterior - Block sealant	26'		D
30	15	b	b b - b b	b		b
31	16		Roof - Hard Patch @ Exhaust & Vent Pipe	66'		SD
32	16	b	b - b b b	b		b
Special Instructions/ Turnaround Time:			Relinquished by:			
Stop at 1st Positive per Homogenous Area Fax Results to 845-278-7750 E-Mail Results to AdelaideLabResults@adelaidellc.com			Received by:  1/29/16 1004			
			Relinquished by:			
			Received by:			

APPENDIX B
XRF RESULTS

Index	Time	Type	Site	Floor	Space Type	Room	Component	Side	Color	Substrate	Paint Condition	PbC	PbL	PbK	Units	Results	Inspector
1	2016-01-27 10:00	Paint	OGS Trailer			Calibrate						1.00 ± 0.10	1.00 ± 0.10	0.70 ± 0.30	mg / cm ^2	Positive	David Seddon
2	2016-01-27 10:00	Paint	OGS Trailer			Calibrate						1.20 ± 0.20	1.20 ± 0.20	0.70 ± 0.70	mg / cm ^2	Positive	David Seddon
3	2016-01-27 10:00	Paint	OGS Trailer			Calibrate						0.90 ± 0.10	0.90 ± 0.10	0.70 ± 0.50	mg / cm ^2	Negative	David Seddon
4	2016-01-27 10:02	Paint	OGS Trailer	1st Floor	Office	Exterior	Wall	West	Light Grey	Metal	Intact	0.00 ± 0.02	0.00 ± 0.02	-0.03 ± 0.98	mg / cm ^2	Negative	David Seddon
5	2016-01-27 10:02	Paint	OGS Trailer	1st Floor	Office	Exterior	Wall Lower	West	Brown	Metal	Intact	0.00 ± 0.03	0.00 ± 0.03	-0.27 ± 1.46	mg / cm ^2	Negative	David Seddon
6	2016-01-27 10:02	Paint	OGS Trailer	1st Floor	Office	Exterior	Trim	West	Blue	Metal	Intact	0.00 ± 0.02	0.00 ± 0.02	0.02 ± 1.47	mg / cm ^2	Negative	David Seddon
7	2016-01-27 10:06	Paint	OGS Trailer			Calibrate						1.10 ± 0.10	1.10 ± 0.10	0.50 ± 0.30	mg / cm ^2	Positive	David Seddon
8	2016-01-27 10:07	Paint	OGS Trailer			Calibrate						1.00 ± 0.10	1.00 ± 0.10	0.60 ± 0.30	mg / cm ^2	Positive	David Seddon
9	2016-01-27 10:08	Paint	OGS Trailer			Calibrate						1.00 ± 0.10	1.00 ± 0.10	0.60 ± 0.30	mg / cm ^2	Positive	David Seddon

APPENDIX C

PERSONNEL AND LABORATORY CERTIFICATIONS

New York State – Department of Labor

Division of Safety and Health
License and Certificate Unit
State Campus, Building 12
Albany, NY 12240

ASBESTOS HANDLING LICENSE

Adelaide Environmental Health Associates, Inc.
Suite C24
1511 Route 22
Brewster, NY 10509

FILE NUMBER: 99-0656
LICENSE NUMBER: 29305
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 06/11/2015
EXPIRATION DATE: 07/31/2016

Duly Authorized Representative – John Soter:

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.



Eileen M. Franko, Director
For the Commissioner of Labor

United States Environmental Protection Agency

This is to certify that



Adelaide Environmental Health Associates, Inc

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint renovation, repair, and painting activities pursuant to 40 CFR Part 745.89

In the Jurisdiction of:

All EPA Administered States, Tribes, and Territories

This certification is valid from the date of issuance and expires

December 05, 2017

NAT-15081-1

Certification #

November 21, 2012

Issued On



Michelle Price

Michelle Price, Chief

Lead, Heavy Metals, and Inorganics Branch

NEW YORK
state department of
HEALTH

Nirav R. Shah, M.D., M.P.H.
Commissioner

Sue Kelly
Executive Deputy Commissioner

Adelaide Environmental Health
Associates, Inc.
1511 Route 22, Suite C24
Brewster, New York 10509

SEP 18 2013

Attention: John W. Soter
Radiation Safety Officer

RE: NYS Dept. of Health Radioactive
Materials License No. C2587
DH No. 13-583

Dear Mr. Soter:

Enclosed is Amendment No. 6 to New York State Department of Health Radioactive Materials License No. C2587, which makes changes to Condition Nos. 6, 7 and 8. These changes authorize your company to possess and use Cadmium 109 in a Thermo Niton XLP 303A lead-in-paint analyzer.

If I may be of assistance, please contact this office at (518) 402-7590 or:

New York State Department of Health
Bureau of Environmental Radiation Protection
Radioactive Materials Section
ESP, Corning Tower – Room 1245
Albany, New York 12237

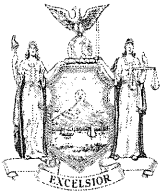
Sincerely,



Michael G. Harmon
Associate Radiological Health Specialist

RED/MGH:ks

Enclosure: Amendment No. 6



NEW YORK STATE DEPARTMENT OF HEALTH
RADIOACTIVE MATERIALS LICENSE

Pursuant to the Public Health Law, Part 16 of the New York State Sanitary Code, Industrial Code Rule 38, and in reliance on statements and representations heretofore made by the licensee designated below, a license is hereby issued authorizing radioactive material(s) for the purpose(s), and at the place(s) designated below. The license is subject to all applicable rules, regulations, and orders now or hereafter in effect of all appropriate regulatory agencies and to any conditions specified below.

1. NAME OF LICENSEE FEIN 16-1232927 Adelaide Environmental Health Associates, Inc. Phone (845) 287-7710	3. LICENSE NUMBER C2587				
2. ADDRESS OF LICENSEE 1511 Route 22, Suite C24 Brewster, New York 10509	4. EXPIRATION DATE April 17, 2018				
	<table style="width: 100%;"><tr><td style="width: 50%;">5a. REFERENCE</td><td style="width: 50%;">b. AMENDMENT NO.</td></tr><tr><td style="text-align: center;">DH 13-583</td><td style="text-align: center;">6</td></tr></table>	5a. REFERENCE	b. AMENDMENT NO.	DH 13-583	6
5a. REFERENCE	b. AMENDMENT NO.				
DH 13-583	6				

- | | | |
|---|-------------------------------------|---|
| 6. Radioactive Materials
(elements in mass number) | 7. Chemical and/or
physical form | 8. Maximum quantity licensee
may possess at any one time |
| A. Cobalt 57 | A. Sealed source | A. 24 millicuries |
| B. Cadmium 109 | B. Sealed source | B. 80 millicuries |

9. Authorized use.

- A. The licensee is authorized to use any sealed source or associated portable x-ray fluorescence device which has been manufactured and distributed in accordance with a specific license issued by an Agreement State or the United States Nuclear Regulatory Commission. Combinations of sources and devices must be compatible for use as stated in a Sealed Source and Device Registration Certificate (i.e., stated in the registration certificate for the source or device).
- B. No single source may exceed the maximum activity specified for that nuclide in the Sealed Source and Device Registration Certificate for any device in which the source is to be used.



NEW YORK STATE DEPARTMENT OF HEALTH
RADIOACTIVE MATERIALS LICENSE

3. License Number C2587

5a. Reference DH 13-583

b. Amendment No. 6

9. C. Only portable x-ray fluorescence devices which require continuous activation by the operator, and which incorporate a mechanism to automatically return the source to its shielded position (e.g., a “dead-man” switch) may be obtained and used under this license. Devices which rely upon positive action by the operator to shield the source, such as operation of a key switch, or which do not require continuous operator activation during exposure, are not authorized under this license.
10. A. The Radiation Safety Officer (RSO) for this License is John W. Soter.
- B. Licensed material shall be used by, or under the supervision of, the Radiation Safety Officer, by licensee personnel trained and certified by the manufacturer. The licensee shall maintain a complete and accurate record of the qualifications of each person permitted to use radiation sources under this license.
11. Except as specifically provided otherwise in this License, the licensee shall conduct its program in accordance with the statements, representation and procedures contained in the documents, including any enclosures, listed below. The Department’s Regulations shall govern, unless the statements, representation and procedures in the licensee’s application and correspondence are more restrictive than the Regulations.
- A. License Renewal Request dated January 31, 2008, signed by Stephanie Soter, President.
- B. Renewal Application dated March 12, 2008, signed by John Soter, with attachments.
- C. Letter dated March 25, 2008, signed by Kerry McGuinness, with attachments.
- D. License Renewal Application dated March 28, 2011, signed by John W. Soter.
- E. **Letter dated August 9, 2013, signed by John Soter.**
12. A. Licensed material shall be stored at the location indicated in Condition 2 and may be used at temporary job sites of the licensee anywhere within the State of New York, where the Department of Health exercises jurisdiction.



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12. B. Overnight storage at other locations shall be in accordance with statements referenced in Condition 11 of the license, provided that such storage may not be in a residence, or in an attached garage except within a vehicle. Any vehicle used for storage shall be driven only for purposes associated with use or transport of the contained radioactive material, by a person qualified to use the material, and no passengers shall be carried unless they are also involved in work under this license. Vehicular storage shall only be allowed if no other storage is possible and shall not exceed five (5) consecutive nights unless authorization to exceed this limit is obtained from the Department.
- C. Under no circumstances shall radioactive material authorized by this license be transferred to the custody of any person or firm other than the licensee, or be used or stored by another person or firm or its employees; unless that person or firm possesses a valid license to possess and use such radioactive material.
13. Sealed sources containing radioactive materials shall not be opened or removed from devices.
14. A. The licensee is not authorized to dismantle, repair or affect any changes in the source holders/devices.
- B. The licensee shall not alter labels attached to source holders or devices, and shall maintain labels in legible condition at all times.
15. The licensee shall instruct persons who engage in work under the license, in accordance with 10 NYCRR 16.13(c). Such instruction shall include the licensee's operating and emergency procedures, and other information contained in documents incorporated in Condition 11.
16. The licensee shall conduct a physical inventory every six (6) months to account for all devices received and possessed under the License. The records of the inventories shall be maintained for three (3) years from the date of the inventory for inspection by the Department, and shall include the quantities and kinds of licensed material, manufacturer's name and model number, location of devices, the date of the inventory, and the name of the person who performed it.
17. A. The licensee shall maintain a utilization log containing the identification of devices used, dates removed and returned to storage, the location of use, and the identity of user.



NEW YORK STATE DEPARTMENT OF HEALTH
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b. Amendment No. 6

17. B. The log shall be kept at the location of storage and shall contain sufficient detail to enable the licensee to inform the Department, at any time, of the exact location of each device.
18. Current copies of the following documents shall be maintained at temporary job sites for Department inspection:
- A. The manufacturer's instruction manual and the licensee's operating and emergency procedures.
 - B. A copy of the results of the latest test for leakage and/or contamination performed on the sealed sources.
 - C. A copy of this license.
19. In the event that a theft, loss or other serious incident does occur, the Department shall be notified immediately by telephone, and subsequent information acquired by the licensee shall be reported as it is received. All device users must carry the NYSDOH's current telephone number in their emergency procedures.
20. The licensee shall ensure that all persons authorized to use portable devices comply with safe use and maintenance procedures and that they do not leave a device unattended or unsecured at any time, even for a few minutes.

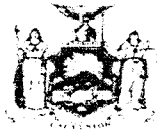
FOR THE NEW YORK STATE DEPARTMENT OF HEALTH

Date: **SEP 18 2013**

RED/MGH:ks

By Robert E. Dansereau
Robert E. Dansereau
Assistant Director
Bureau of Environmental Radiation Protection

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2016
Issued April 01, 2015

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. PAUL J. MUCHA
AMERICA SCIENCE TEAM NEW YORK INC
117 EAST 30TH ST
NEW YORK, NY 10016

NY Lab Id No: 11480

*is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:*

Miscellaneous

Asbestos in Friable Material	Item 198.1 of Manual EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual

Serial No.: 52773

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



DAVID SEDDON
CLASS(EXPIRES)
C ATEC(12/16) D INSP(12/16)
E MGPL(12/16) H PM (12/16)

CERT# 09-08546
DMV# 879533539

MUST BE CARRIED ON ASBESTOS PROJECTS



01213 000639079 33

EYES BRO
HAIR BRO
HGT 5' 10"

IF FOUND RETURN TO:
NYSOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

United States Environmental Protection Agency

This is to certify that

David William Seddon



has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226 as:

Inspector

In the Jurisdiction of:

New York

This certification is valid from the date of issuance and expires September 19, 2017

NY-I-101120-2

Certification #

September 05, 2014

Issued On

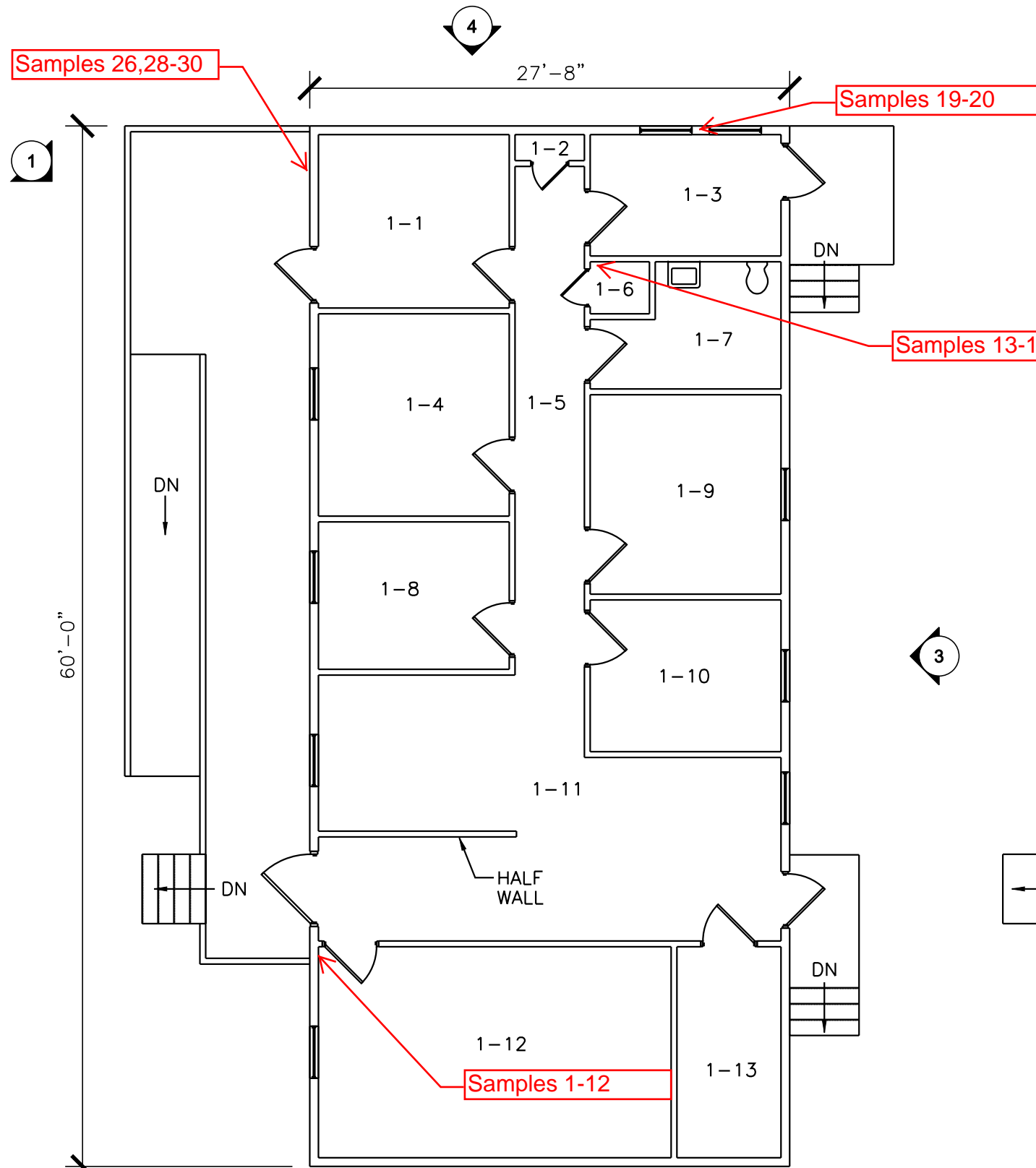
A handwritten signature in black ink, appearing to read "John Gorman".

John Gorman, Chief

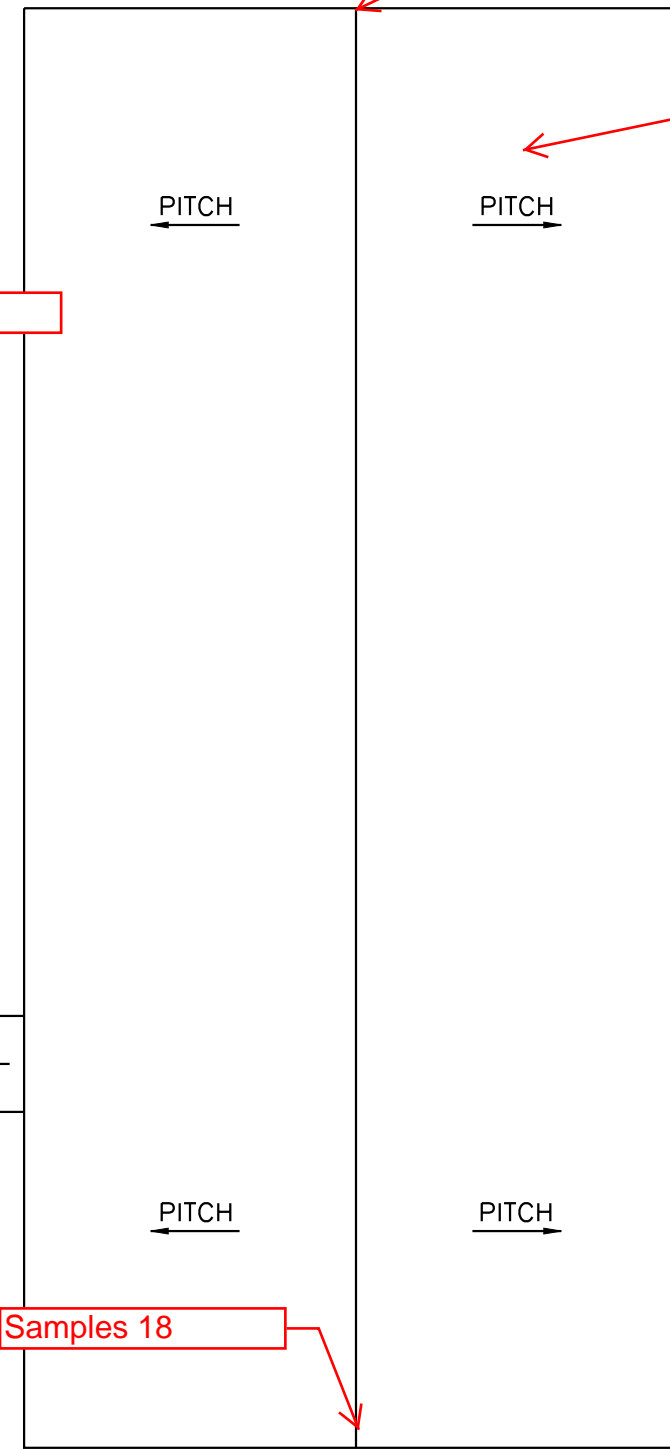
Pesticides & Toxic Substances Branch



APPENDIX D
SAMPLE LOCATION MAP



FIRST FLOOR PLAN

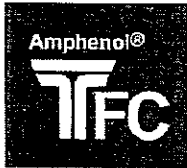


ROOF PLAN

FIRST FLOOR		
RM. NO.	ROOM NAME	NET SF.
1-1	STORAGE	110
1-2	CLOSET	--
1-3	CORRIDOR	77
1-4	OFFICE	128
1-5	CORRIDOR	136
1-6	CLOSET	--
1-7	BATHROOM	68
1-8	OFFICE	94
1-9	OFFICE	127
1-10	OFFICE	96
1-11	RECEPTION	355
1-12	CONFERENCE ROOM	247
1-13	STORAGE	73
TOTAL NSF		1,511

BLDG. GROSS SQ. FOOTAGE = 1,660 SQ. FT.

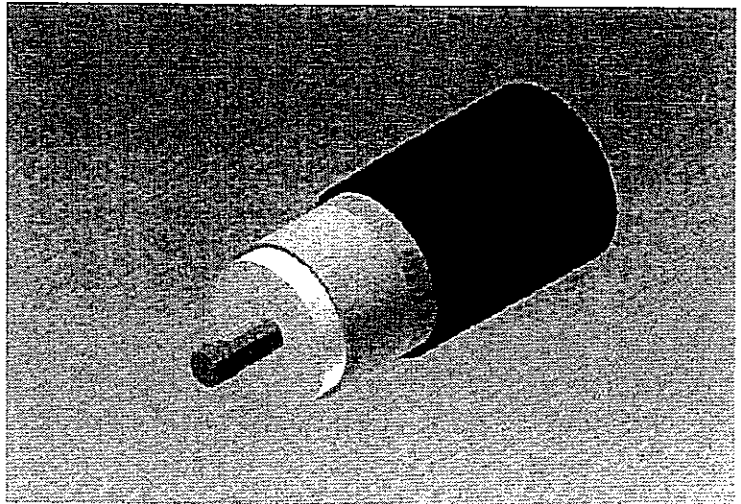




TFC Coaxial Cable Product Information Sheet

Type: T10625JB

625 Series Coaxial Cable
 Copper Clad Aluminum Conductor
 Foamed Polyethylene Dielectric
 Seamless Aluminum Tube Outer Conductor
 Underground Floodant
 Medium Density Polyethylene Jacket



Cable Ordering Information

Part Number	Description	NEC / CSA Listing
750625JB00BK00100001	T10625JB	none

Characteristics

Material	Detail	inches	mm
Inner Conductor	Copper Clad Aluminum	0.136	3.45
Dielectric	Foamed Polyethylene	0.563	14.3
Outer Conductor	Seamless Aluminum Tube	0.625	15.9
Floodant	Underground	—	—
Jacket	Polyethylene, Outdoor Black	0.695	17.7
Messenger	—	—	—
Cable Width	—	—	—

Mechanical Specifications

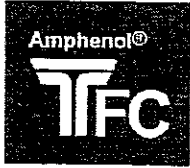
Minimum Bend Radius, in. (mm)		5.0	(127)
Product Weight, lbs/kft (kg/km)	(less reel)	151	(225)

Customers are reminded that they are SOLELY responsible for confirming that all products are properly installed and used in accordance with all applicable codes and regulations.

Document: t10625jb_1ghz14.docx
 Revision: 10.21.14
 Page: 1 of 2

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 358 Hall Avenue
 Wallingford, CT 06492
 Toll Free +1-800-677-2288
 Toll +1-434-432-1800
 Fax +1-434-432-1821
www.timesfiber.com

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TFC Coaxial Cable Product Information Sheet
Type: T10625JB

Electrical Specifications		
Impedance, Ω	75 \pm 2	
Velocity of Propagation, %	87	
Capacitance, Nominal	15.6 pF/ft	51.2 pF/m
DC Resistance	Ω / kft	Ω / km
Inner Conductor	0.86	2.82
Outer Conductor	0.23	0.75
Loop	1.09	3.57

Notes:

Attenuation, Maximum @ 68 °F (20 °C)		
Frequency, MHz	dB / 100 ft	dB / 100 m
5	0.13	0.43
55	0.45	1.46
211	0.89	2.92
250	0.98	3.22
270	1.02	3.35
300	1.08	3.54
330	1.14	3.75
350	1.18	3.87
400	1.27	4.17
450	1.35	4.43
500	1.43	4.69
550	1.51	4.95
600	1.58	5.18
750	1.79	5.87
870	1.95	6.40
1000	2.11	6.92

Customers are reminded that they are SOLELY responsible for confirming that all products are properly installed and used in accordance with all applicable codes and regulations.

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Revision: 10.21.14
Page: 2 of 2

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