South King Fire and Rescue
Station 61 Facility Improvements

ADDENDUM #2
May 5, 2017

TO ALL BIDDERS:

The Bid Documents issued **March 16, 2017** for the project noted above are amended by this Addendum.

Receipt of this addendum shall be acknowledged by inserting its number in the space provided on the bid form.

PROJECT MANUAL ITEMS

ITEM 1. Section 087100 Door Hardware:
- 3.8 DOOR HARDWARE SCHEDULE
- a. HW SET: 03; REPLACE "ND10S" WITH "ND80PD".
- b. HW SET: 04; REPLACE "ND10S" WITH "ND80PD".
- c. HW SET: 05; REPLACE "ND10S" WITH "ND70PD".
- d. DELETE HW SET 06 COMPLETELY.

ITEM 2. Section 096810 Carpet: **REVISE** as follows:
- a. 1.8 1) Carpet Tile WOM-1 Manufacturer: **Shaw**
- b. 1.8 5) Installation Pattern: **Monolithic**

ITEM 3. Section 096810 REVISE Section notation: Paragraphs 1.8, 1.9, and 1.10 to be considered as PART 2 – PRODUCTS.

ITEM 4. Section 075419 3.09 **ADD** the following Paragraph: "G. Adhered Insulation Attachment: At concrete substrates, provide adhered installation utilizing 4' x 4' insulation board size over SA-31 Self-Adhered Vapor Barrier. Adhere boards to vapor barrier and other materials using Sarnafil AD Board Adhesive in accordance with roofing manufacturer's requirements."

ITEM 5. Section 096516 REVISE Paragraph 2.2 A through E to the following: "A. Resilient Sheet Flooring (RSF-1): Johnsonite Tarkett Acczent 82003 Zen Warm Grey."

ITEM 6. Section 011000: REVISE Paragraph 1.8B to the following: "Owner will furnish the following items for Contractor installation: Bunker Gear Lockers. Quantity: 16. Owner will furnish and install all kitchen and laundry appliances."

ITEM 7. Section 105113: DELETE Section: Metal Lockers.

ITEM 8. Section 011000: Section 1.5 Phased Construction: ADD the following: "C. Allow 5 working days for owner moving between phases. Owner will endeavor to move at a mutually agreeable time."

ITEM 9. Section 014000: ADD the following at 1.10A: "Owner will engage a qualified testing agency to perform Special Inspection and materials testing as indicated on Sheet S00.03."

ARCHITECTURAL

ITEM 10. A60.01 Door Schedule: REVISE Door 112B to **HW SET 04**.

ITEM 11. A60.01 Door Schedule: REVISE Door 119A Frame to **HM**.

ITEM 12. A31.01 DETAIL 3/A31.01: REPLACE the following note: "(E) SPLITTED FACE CMU, PAINT" with "(E) CMU, NO WORK".

ITEM 13. A35.03 DETAIL 4/A35.03: REPLACE the following note: "NEW DRAIN PIPES" with "(E) DRAIN PIPES".

ITEM 14. A21.11 ADD Note: Apparatus Bay concrete slab is anticipated to be 6" thick. All other concrete slabs are anticipated to be 4" thick.

ITEM 15. A21.11 Key Note 5: ADD the following: "Assume 4 square feet of patching and painting at each location."

ITEM 16. A72.01 Room Finish Schedule: REVISE All Room 122 Service walls from "Exist" to FRP-1/P-2.

STRUCTURAL

ITEM 17. Sheet S21.12 Note 2: Note shall be revised to state to block apparatus bay roof diaphragm between Grids 2 and 9 from Grids B to H.8. Blocking roof diaphragm at cement plaster soffits outside the apparatus bay on the north and south is not required.

PLUMBING/MECHANICAL

Sheet P21.12 ADD Note: See 4/A21.12 for additional roof drains required at Hose Tower Roof.

221300 DELETE 2.1 Sanity sewer piping, buried within 5 feet of building:

A. Cast Iron Pipe & Fittings: ASTM A888, CISPI 301, hub-less. Made in USA by AB&I, Charlotte or Tyler marked with collective trademark of the Cast Iron Soil Pipe Institute (CISPI) and listed by NSF International.
   1. Fittings: Long pattern cast iron.
   2. Joints: Neoprene gasket ASTM C-564, all type 304 stainless steel clamp and shield assemblies, 80 in/lbs worm drive. FM-1680, Class 1, CISPI 310 and certified by NSF international. Minimum 4 clamps up to 4", 6 clamps for 5" and larger. Husky SD 4000, Mission Heavy Weight, Clamp-All or approved equal.

B. PVC Pipe: Schedule 40 solid wall PVC, bell and spigot solvent sealed ends. NSF Standard 14, ASTM D1785, ASTM D1784.
   1. Fittings: Schedule 40, PVC, ASTM D2665.
   2. Joints: Solvent weld with ASTM D2564 solvent cement.

221300 ADD 2.1 Sanity sewer piping, buried within 5 feet of building:

A. ABS Pipe: Schedule 40, ABS material, DWV, Cellular Core, bell and spigot style solvent sealed ends. NSF Standard 14, ASTM F628, ASTM D3965.
   1. Fittings: ABS, DWV, ASTM D2661.
   2. Joints: Solvent weld. ASTM D2235.

237200 PART 1 GENERAL 1.1:

DELETE: Package ERV with heat wheel.

ADD: Package ERV with core.

237200 PART 1 GENERAL 1.3:

DELETE: One set of fan and energy wheel belts.

237200 PART 1 GENERAL:

ADD:

1.2 QUALITY ASSURANCE

A. Entire unit shall be ETL Certified per U.L. 1812 and bear an ETL sticker.

B. Energy Core shall be AHRI Certified, per Standard 1060.

237200 PART 2 PRODUCTS 2.1, B.:

REPLACE: energy wheel
WITH: energy core

DELETE: electric post-heater
DELETE: vapor-tight light fixtures
DELETE: outdoor airflow monitoring

REPLACE: electrical microprocessor control center
WITH: electrical control center

237200 PART 2 PRODUCTS 2.1, C.:

DELETE:

3. Condensate drain pan: Pan shall be formed of welded austenitic stainless steel sheet material and provided with a welded drain connection at the front for connection to a P trap. Drain pan shall be sloped in two directions to provide positive draining.
4. P trap: An engineered P trap (condensate drain) assembly shall be provided for each unit, to include cleanout ports, cleanout tool, vacuum break device and see-through reservoir.

237200 PART 2 PRODUCTS 2.1, D.:

DELETE:

D. Energy wheel: Energy wheel shall be of the total enthalpy, rotary air-to-air type and shall be an element of a removable energy wheel cassette. The cassette shall consist of a galvanized steel framework, an energy wheel as specified and a motor and drive assembly. The cassette shall incorporate a pre-tensioned urethane drive belt with a five-year warranty. The wheel media shall be a polymer film matrix in a stainless-steel framework and be comprised of individual segments that are removable for servicing. Non-segmented energy wheels are not acceptable. Silica gel desiccant shall be permanently bonded to the polymer film. The energy wheel is to have a five-year warranty.

ADD:

D. Energy Core: Energy core shall be of total enthalpy and shall be removable from the cabinet. The core shall consist of a galvanized steel framework and an energy core as specified. The core media shall be a corrugated hydroscopic resin in a galvanized steel framework and can be removable for servicing. The energy core is to have a five-year warranty. Performance criteria are to be as specified in AHRI Standard 1060.

237200 PART 2 PRODUCTS 2.1, E.:

DELETE:

E. Supply Air and Exhaust Air Blowers: Belt drive motor and blower shall be assembled onto a 14-gauge galvanized steel platform and must have neoprene vibration isolation devices.
   1. Shall be statically and dynamically balanced and designed for continuous operation at maximum rated fan speed and horsepower.
   2. Centrifugal blower housing: Formed and reinforced steel panels to make curved scroll housing with shaped cutoff.
   3. Forward curved blower (fan) wheels: Galvanized or aluminum construction with inlet flange and shallow blades curved forward in direction of airflow. Mechanically attached to shaft with set screws.

ADD:

E. Energy Core: Energy core shall be of total enthalpy and shall be removable from the cabinet. The core shall consist of a galvanized steel framework and an energy core as specified. The core media shall be a corrugated hydroscopic resin in a galvanized steel framework and can be removable for servicing. The energy core is to have a five-year warranty. Performance criteria are to be as specified in AHRI Standard 1060.

237200 PART 2 PRODUCTS 2.1, G.:

DELETE:

G. Electric Post-heater: Post-heater shall be SCR control and shall include a temperature sensor with field adjustable set point, located in the supply air stream. Heat output of the post-heater shall be infinitely variable.

237200 PART 2 PRODUCTS 2.1, L.:

DELETE: Optional electric post heater shall have a separate electrical control center and separate high voltage power circuit.

DELETE:

1. The unit shall be constructed so that it can function as a stand-alone heating system controlled by factory-supplied controllers, thermostats and sensors.
2. Variable Frequency Drive (VFD): Unit shall have factory installed variable frequency drives for modulation of the blower motors The VFDs shall be factory-programmed for unit-specific requirements and shall not require additional field programming to operate.

DELETE:

c. Pressure Sensor- SA, RA
d. Rotation Sensor

237200 PART 2 PRODUCTS 2.1, M.:

DELETE:

2. Vapor-tight light fixtures shall be factory installed in each compartment of the unit and wired to a NEMA switch on the outside of the unit. Vapor-tight lights require dedicated single phase electric service.

ELECTRICAL

ITEM 18. E131 Provide a ½" C., (2) #12 connection to the motorized damper at PH-1 and EF-1. The circuit shall also route to (2) 120-24V transformers (furnished under Division 23) for power to the CO/NO2 sensors and a timer switch on the wall for control of the dampers. See sheet M40.01 for the schematic wiring diagram and sheet M21.11 for the location of the sensors. Provide a vibratone horn 350 for connection to the CO/NO2 system. Surface mount at +8'-0" AFF. Mount on wall above the timer switch. Connect the circuit to P2-25. Provide a 20 amp – 1 pole breaker in panel.

ITEM 19. E131 Provide ½"C., (2) #12 connection from circuit P1-11 to (2) additional fire/smoke dampers in Vest 112 and (2) fire/smoke dampers through the wall to apparatus bay along gridline 2. See sheet M21.11 for locations.

ITEM 20. E131 Provide ½"C., (2) #12 connection from circuit P2-27 to the fire/smoke dampers

in Kitchen 102-1 along gridline 9. Connect to circuit P2-27. Provide a 20 amp – 1 pole breaker in panel. See sheet M21.11 for location.

ITEM 21. E131 Enlarged Kitchen Power Plan – Route the gas solenoid valve circuit P2-23 and the Microwave circuits P4-14 and P4-16 through a contactor with interface to the existing alerting system controller. Provide connection to the power & gas reset switch for resetting of the system after shut-off by the alerting system.

ITEM 22. E131 Provide ½"C., (2) #12 connection to the gas solenoid valve for the barbeque along gridlines H & 9. Connect to circuit P2-23. Route through a contactor with interface to the existing alerting system controller. Provide a gas reset switch on the wall, by the PT Room door for resetting of the gas solenoid valve after shut-off by the alerting system.

ITEM 23. ED112 Demolition Notes – REVISE note 6 to read: "Existing disconnect switch to remain until new sewer connection is completed. Once sewer connection is complete, demo existing disconnect switch."

ITEM 24. ED112 Demolition Notes – REVISE note 7 to read: "Owner to disconnect and relocate existing vehicle exhaust system controller."

ITEM 25. E131 DELETE Construction Notes 10 & 11. The relocation of these devices will be provided by the Owner.

SUBSTITUTION REQUESTS

ELECTRICAL

ITEM 26. Approved Light Fixtures
- a. RL1/RL1E – Pinnacle Architectural Lighting
- b. RL2/EL2E – Pinnacle Architectural Lighting
- c. RL3, RL4, RL5 – Kirlin Lighting
- d. SL1/SL1E – CGF Design
- e. SL2 – Daybrite Lighting
- f. UC1 – Tech Lighting
- g. WL1 – SPI Lighting
- h. WL2E – Gardco Lighting
- i. EX1, EX2 – Emergilite

ITEM 27. Lighting Controls
- a. WattStopper

ATTACHMENTS

1. Pre-Bid Walkthrough Sign-In Sheet (2 pages).
2. Substitution requests (4 pages).
3. Revised Sheet A10.01.
4. MSK-1.
   - a. Heat exchanger type: Core,
   - b. No Microprocessor control required.

END OF ADDENDUM #2

South King Fire and Rescue
Station 61

PRE-BID WALK-THROUGH

April 27, 2017

Name	Representing	Phone	Email
Alex Smith	Rice Fergus Miller	(360) 377-8773	asmith@rfmarch.com
Dave Mataftin	SKFR Deputy Chief	(253) 946-7250	Dave.Mataftin@southkingfire.org
Lance Boe	SKFR Facilities	(253) 946-7250	Lance.Boe@southkingfire.org
Guy Hamilton	Crescent Mech.	833-5054	abby@crescentmechinc.com
JR Leerkamp	Capital Heating	360 239-7818	jr@capitalheatingandcooling.com
Todd Vick	Pacific Rainier Roofing	425 771 4300	Todd@pacificrainierroofing.com
Micheal Murdock	Macro-Z-Technology	253-651-3111	estimating@mztco.com mmurdock@mztco.com
Rich Doremus	ACCO Engineered Systems	253-380-2383	rdoremus@accoes.com
Brian Reynolds	Reynolds General Contracting	206-707-5877	brian@reynoldsgc.com
Steve Wagner	Bissell Const.	425-351-1722	swagner@Bissell.com

SKFR
Station 61
April 27, 2017

Name	Representing	Phone	Email
Mike Riggs (for)	ASRI	253 405-3640	mikeR@asei.ws
Jason Sousa	Pease Construction Inc	253-584-6006	estimating@peaseinc.com
Larry Jacquot	INDUSTRY ERECTORS INC. DBE/MBE	425-879-7334	larry@industryerectors.com
Todd Ray	Pacific Northwest Environmental LLC	206-596-8560	ToddR@icgpnw.com

SUBSTITUTION REQUEST FORM

To: Architect: Rice Fergus Miller Architecture & Planning, PLLC
275 5th Street, Suite 100
Bremerton, Washington 98337

Project Name: Station 61 Facility Improvement

Contractor:

We hereby submit for consideration the following product instead of specified item for above project:

Section 23 81 43 Paragraph 2.2 Specified Item VRF Split Systems

Proposed Substitution: Samsung HVAC

Attachments: (If not applicable, write N/A left of item number.)

No. 1: Complete product data.
No. 2: Drawings showing dimensional changes and other change to drawings.
No. 3: Complete description of all changes to specifications.
No. 4: Description of effect on other trades, other contracts, and contract completion date.
No. 5: List of differences between proposed and specified items.
No. 6: List of names and addresses of three similar projects on which product was used, date of installation, and Architect's name and address.
No. 7: Cost impact.

Undersigned attests function and quality equivalent or superior to specified item.

Submitted by: (Person and Firm) Emily Torgerson, Industrial Air Systems

Date 4/18/2017 Phone 206-367-5115 Signature Emily Torgerson

Acceptance by Architect:

By: Liesbet Michiels, PE
Date: 4/18/17
Remarks:

Accepted
Accepted as Noted
Not Accepted

END OF SECTION

Provided to Builders Exchange of WA, Inc. For usage Conditions Agreement see www.bxwa.com - Always Verify Scal

SUBSTITUTION REQUEST FORM

To: Architect: Rice Fergus Miller Architecture & Planning, PLLC
275 5th Street, Suite 100
Bremerton, Washington 98337

Project Name: Station 61 Facility Improvement

Contractor:

We hereby submit for consideration the following product instead of specified item for above project:

Section 075419 Paragraph 2.03-A Specified Item Sarnafil G410 FB 60-mil

Proposed Substitution: Carlisle 115-mil FleeceBACK PVC FRS Membrane

Attachments: (If not applicable, write N/A left of item number.)

No. 1: Complete product data.
No. 2: Drawings showing dimensional changes and other change to drawings. N/A
No. 3: Complete description of all changes to specifications.
No. 4: Description of effect on other trades, other contracts, and contract completion date. N/A
No. 5: List of differences between proposed and specified items.
No. 6: List of names and addresses of three similar projects on which product was used, date of installation, and Architect's name and address.
No. 7: Cost impact. N/A

Undersigned attests function and quality equivalent or superior to specified item.

Submitted by: (Person and Firm) Ryan Paxton Carlisle SynTec

Date 4/26/17 Phone 206.910.5794 Signature

Acceptance by Architect:

By: EAW
Date: 5/1/17
Remarks: Textured membrane required

Accepted
Accepted as Noted
Not Accepted

END OF SECTION

rovided to Builders Exchange of WA, Inc. For usage Conditions Agreement see www.bxwa.com - Always Verify Scal

Scanned by CamScanner

SUBSTITUTION REQUEST FORM

To: Architect: Rice Fergus Miller Architecture & Planning, PLLC
275 5th Street, Suite 100
Bremerton, Washington 98337

Project Name: Station 61 Facility Improvement

Contractor:

We hereby submit for consideration the following product instead of specified item for above project:

Section 233300 Paragraph 2.7 Specified Item COMB FIRE SMOKE DAMPER

Proposed Substitution: AIR BALANCE FAI

Attachments: (If not applicable, write N/A left of item number.)

No. 1: Complete product data.
N/A No. 2: Drawings showing dimensional changes and other change to drawings.
N/A NONE No. 3: Complete description of all changes to specifications.
N/A NONE No. 4: Description of effect on other trades, other contracts, and contract completion date.
No. 5: List of differences between proposed and specified items.
No. 6: List of names and addresses of three similar projects on which product was used, date of installation, and Architect's name and address.
N/A No. 7: Cost impact.

Undersigned attests function and quality equivalent or superior to specified item.

Submitted by: (Person and Firm) JERRY GADDIS FM HVAC SALES

Date 4-21-17 Phone 206-574-0222 Signature [signature]

Acceptance by Architect:

By: Liesbet Michiels, P.E.
Date: 4/24/17
Remarks:

[Accepted]
Accepted as Noted
Not Accepted

END OF SECTION

Page 180 Section 012500A Substitution Request Form
Provided to Builders Exchange of WA, Inc. For usage Conditions Agreement see www.bxwa.com - Always Verify Scale

SUBSTITUTION REQUEST FORM

To: Architect: Rice Fergus Miller Architecture & Planning, PLLC
275 5th Street, Suite 100
Bremerton, Washington 98337

Project Name: Station 61 Facility Improvement

Contractor:

We hereby submit for consideration the following product instead of specified item for above project:

Section NONE Paragraph M00.04 MECH SCHEDULE Specified Item DUCT HEATERS

Proposed Substitution: WARREN TECH CBK

Attachments: (If not applicable, write N/A left of item number.)

N/A No. 1: Complete product data.
N/A No. 2: Drawings showing dimensional changes and other change to drawings.
N/A NONE No. 3: Complete description of all changes to specifications.
N/A NONE No. 4: Description of effect on other trades, other contracts, and contract completion date.
No. 5: List of differences between proposed and specified items.
No. 6: List of names and addresses of three similar projects on which product was used, date of installation, and Architect's name and address.
N/A No. 7: Cost impact.

Undersigned attests function and quality equivalent or superior to specified item.

Submitted by: (Person and Firm) JERRY GADDIS FTM HVAC SALES

Date 4-21-17 Phone 206-574-0222 Signature [signature]

Acceptance by Architect:

By: Liesbet Michiels, P.E.
Date: 4/24/17
Remarks:

[x] Accepted
[ ] Accepted as Noted
[ ] Not Accepted

END OF SECTION

ge 180 Section 012500A Substitution Request Form
ovided to Builders Exchange of WA, Inc. For usage Conditions Agreement see www.bxwa.com - Always Verify Scale

ENERGY RECOVERY VENTILATOR SCHEDULE

MARK	MAKE	MODEL	TYPE	SUPPLY			EXHAUST			HEAT EXCHANGER		ELECTRICAL				WGT.	NOTES
				CFM	ESP	HP	CFM	ESP	HP	MATERIAL	WINTER EFF.	MCA	MOCP	VOLT/PH	SCCR	LBS	
ERV-1	GREENHECK	ECV-10-VG	ROOFTOP	650	0.75	1/2	675	0.75	1/2	CORE	68.5%	7.2	10	208/1	NOTE A	500	ALL
										1					1		

NOTES:

1. DOUBLE WALL CONSTRUCTION W/ INSULATION & HINGED ACCESS
2. MERV 13 SUPPLY FILTERS; MERV 8 EXHAUST FILTERS
3. PERMATECTOR FINISH
4. MOTORIZED LOW LEAK SUPPLY AND EXHAUST DAMPERS
5. SPRING ISOLATION CURB
6. DIRTY FILTER SENSORS
7. OUTSIDE AND EXHAUST AIR HOODS

A. SEE SPECIFICATIONS AND ELECTRICAL
B. REMOTE CONTROL PANEL
1

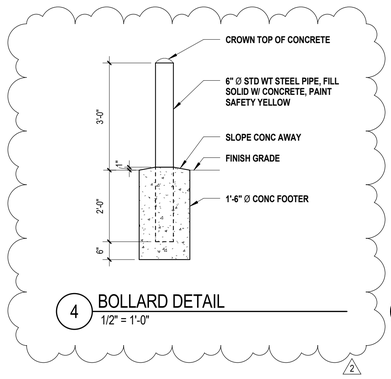
SIDER + BYERS
MECHANICAL ENGINEERS

192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966

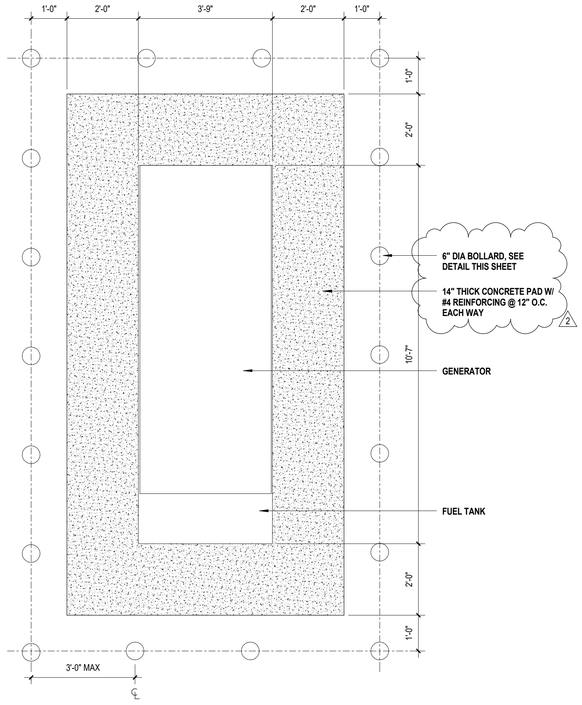
SOUTH KING FIRE & RESCUE FACILITY IMPROVEMENTS
FIRE STATION 61

Project number	16001
Date	5/1/2017
Reference Sheet	M00.03
Scale	N.T.S.

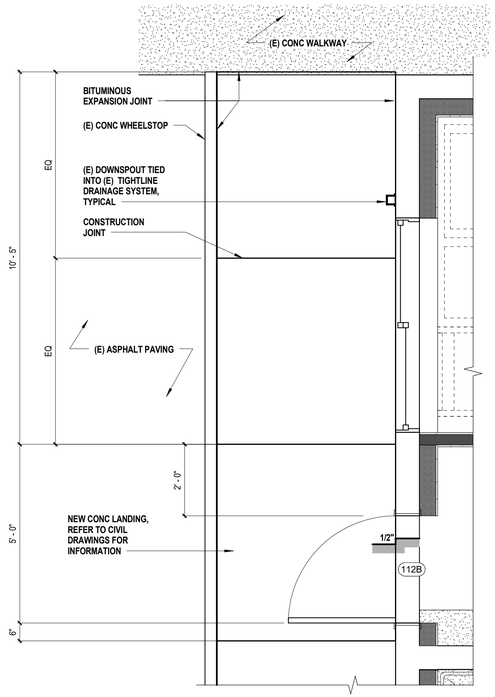
MSK-1



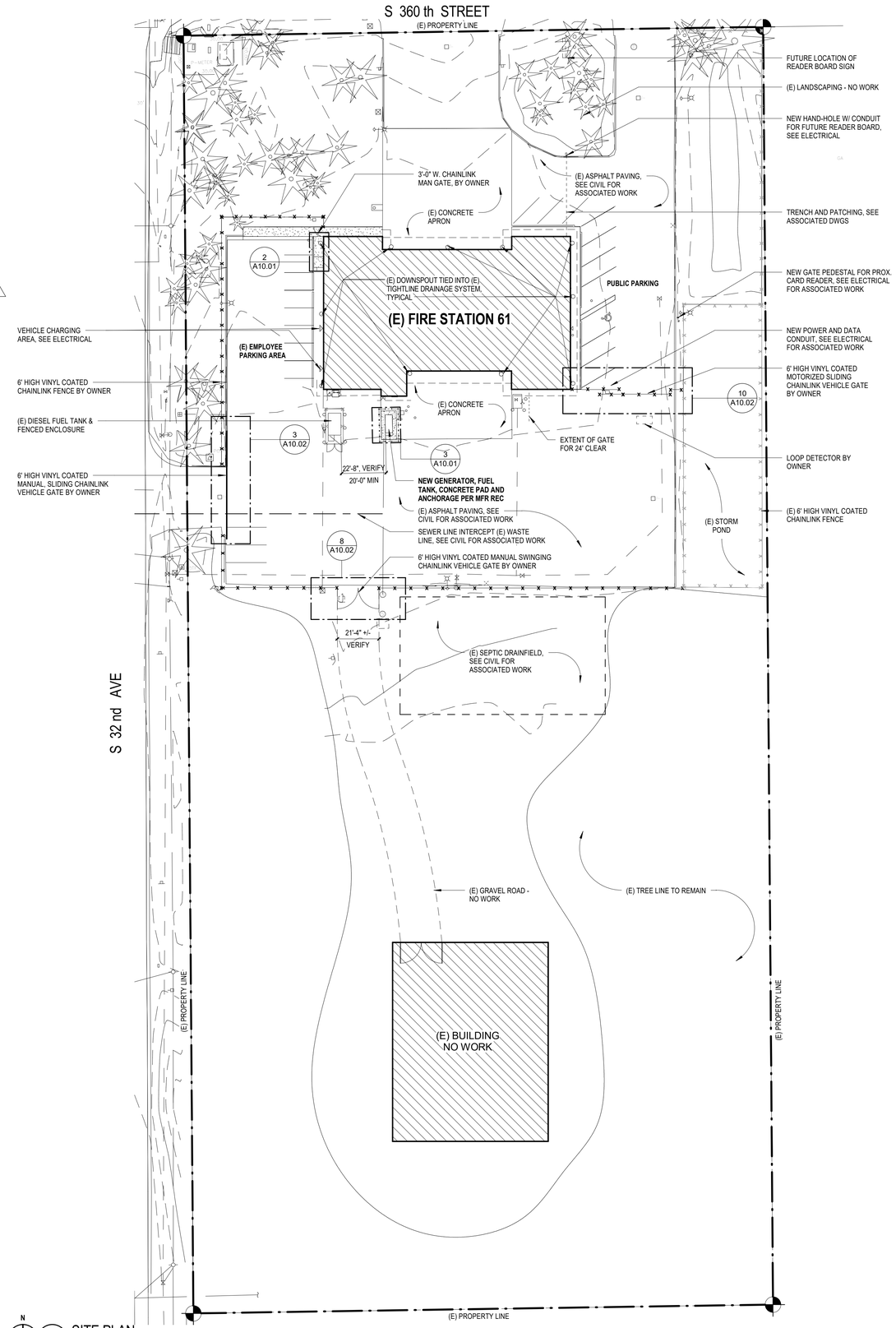
4 BOLLARD DETAIL
1/2" = 1'-0"



N 1 3 GENERATOR, FUEL TANK AND CONCRETE PAD
1/2" = 1'-0"



N 2 ENLARGED PLAN - EGRESS DOOR
1/2" = 1'-0"



N 1 SITE PLAN
1" = 30'-0"

RICE ARCHITECTURE & PLANNING fergus MILLER
275 FIFTH STREET
SUITE 100
BREMERTON, WA 98337
(360) 377-8773
FAX 792-1385
INFO@RFMARCH.COM

4794 REGISTERED ARCHITECT
DAVID A. FERGUS
STATE OF WASHINGTON

SOUTH KING FIRE & RESCUE FACILITY IMPROVEMENTS

FIRE STATION 61
3203 S 360th STREET
AUBURN, WA 98001

PROJECT # 2015137

BID SET

ISSUED: MARCH 16, 2017

REVISION SCHEDULE

1	PLAN REVIEW	01.30.2017
2	ADDENDUM 2	05.05.2017

ARCHITECTURAL SITE PLAN

SHEET:

A10.01