



ADDENDUM NO. 1
CONTRACT NO. CP8126-1 – GENERAL, MECHANICAL AND
ELECTRICAL CONSTRUCTION
DATED: SEPTEMBER 10, 2010



**SUFFOLK COUNTY DEPARTMENT OF PUBLIC WORKS
DIVISION OF SANITATION
HAUPPAUGE INDUSTRIAL PARK
S.C.S.D. NO. 18 – INDUSTRIAL SEWER DISTRICT EXPANSION
SUFF 0503**

1. DELIVERY VIA EMAIL WITH ELECTRONIC DELIVERY CONFIRMATION

This Addendum is hereby made a part of the Contract Documents for the above noted project and construction contract and modifies the Original Bidding Documents. The Bidder shall note the following clarifications, deletions, additions, and changes to the Contract Documents and shall submit his/her bid, and be otherwise governed accordingly. Failure to acknowledge the Addendum may subject the Bidder to disqualification.

Bidder shall note the following:

1. *Acknowledge receipt of the Addendum on page BF-2 located in the Contract Book of the Bid Documents.*
2. *Addendum No. 1 for Project No. CP8126-1 consists of 20 pages plus all referenced sketches.*

CONTRACT SPECIFICATIONS

A. SECTION 01630 – PRODUCT SUBSTITUTION PROCEDURES

1. Paragraph 2.02A, line 4: Replace the words “bid date” with “contract signing”.

B. SECTION 03300 – CONCRETE

1. Paragraph 1.02A: Remove entirely.
2. Paragraph 2.02M: Modify to read: “Concrete Waterproofing: Hycrete W1002 or equal.”
3. Paragraph 2.02O: Remove entirely.
4. Paragraph 2.03C: Modify to read: “All process tanks’ concrete walls, concrete base slabs and concrete top slabs/walkways shall include waterproofing admixture.”
5. Paragraph 3.02E: Remove entirely.



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6. Paragraph 3.03G: Remove entirely.
- C. SECTION 11295 – VALVES AND VALVE ACCESSORIES
1. Paragraph 2.06C: Change first sentence to read: “Heavy-duty motor shall operate from 460V, three-phase input source.”
- D. SECTION 11300 – SEQUENCING BATCH REACTOR SYSTEM
1. Paragraph 2.01Z: Remove entirely.
 2. Paragraph 2.10A, line 1: Delete the words “Type FP-3127” and replace with “Type FP-3127.350 MT”.
 3. Paragraph 2.10A, line 2: Insert the words “with 188mm impeller and 6-inch discharge” before the word “manufactured”.
 4. Paragraph 2.10A, line 2: Replace “7.5” with “10”.
- E. SECTION 11332 – ROTARY SCREEN
1. Paragraph 2.01A: Add the words “or Liqui-Fuge Rotary Drum Screen Model as manufactured by Vulcan Industries, Inc. of Missouri Valley, IA” to the end of this paragraph.
 2. Paragraph 2.04B(10)(a): Delete the words “and shall be screw mounted to the panel face.” and replace with “Nameplates shall have adhesive backings to mount to the panel face.”
 3. Paragraph 2.04L: Insert the words “type DI0001” after “Ecomat 200”.
- F. SECTION 11348 – CHEMICAL FEED EQUIPMENT



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1. Paragraph 2.01B(7), line 4: Change the operating voltage from “230V, 3 phase” to “115VAC, single phase”.
- G. SECTION 11375 – AERATION EQUIPMENT
1. Paragraph 1.06B, line 2: Change the word “Aezen” to “Aerzen”.
- H. SECTION 13204 – CHEMICAL STORAGE TANKS
1. Paragraph 2.02A(h), line 5: Change the cross section area of chute from “48 inches” to “12 inches”.
- I. SECTION 13402 – MEASUREMENT AND CONTROL INSTRUMENTATION
1. Paragraph 2.11D(6)(b): Change the word “miximum” to “maximum”.
- J. SECTION 15410 – PLUMBING FIXTURES
1. Paragraph 2.03B(1): Add “480V, 3-phase” to the end of the paragraph describing the service sink tankless water heater.
- K. SECTION 15412 – EMERGENCY PLUMBING FIXTURES
1. Paragraph 2.04C: Change HAWS model from “8317CTFP” to “8605WC”.
- L. SECTION 16260 – VARIABLE FREQUENCY DRIVES
1. Paragraph 2.01A: Change to include the following three manufacturers: Allen Bradley Power Flex Series, Fuji P11, Yaskawa I-Q Pump.



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M. GENERAL

1. All materials or equipment that are specified or described in the Contract Documents by using the name of a proprietary item or the name of a particular manufacturer, and that a requirement for a pre-bid alternate submission was not specifically called for by the specification section, shall be considered to be listed with the understanding that “or equal” shall apply in accordance with the requirements of General Conditions paragraph G30 and specification section 01630 and other applicable sections of the Contract Documents.

N. GENERAL

1. The following page of this document details PROGRAMMING SOFTWARE REQUIREMENTS applicable to ALL specification sections for this contract.



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**SD #18 ADDENDUM #1 ITEM K
PROGRAMMING SOFTWARE REQUIREMENTS**

The Contractor shall require that ALL equipment suppliers that are providing equipment with microprocessor/PLC control systems provide a copy of the microprocessor/PLC programming software on CD/DVD for the Owner's use.

Minimum requirements:

1. Suitable for Microsoft windows based operating system laptop use.
2. Provide CD/DVD with write protected version of final accepted program after system start up and O & M training.
3. Provide CD/DVD with copy of programming software for the purpose of modifying the existing control logic as desired by the Owner. Provide software use manual in PDF format along with programming software.
4. Cable(s) required to connect laptop computer to microprocessor/PLC.

All system, equipment and control panels specified to be provided within the contract documents shall comply with these requirements including, but not limited to, the following:

1. Pump control panels
2. Influent screening systems control panels
3. Screenings washer/dewatering control panels
4. SBR control panels
5. Mixer control panels
6. Blower control panels
7. Filter control panels
8. Sludge thickening systems control panels
9. Polymer systems control panels
10. Odor control systems control panels
11. Annunciators
12. Telephone dialer
13. Engine generator systems
14. Automatic transfer switch systems
15. Chemical leak detection panels



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CONTRACT DRAWINGS

A. SHEET PD2:

1. Pump information table, line 5: change TDH and hp rating from “61.4” and “15” to “24.9” and “10,” respectively.
2. Pump information table, line 14: change TDH rating from “53.1” to “52.9”.

B. SHEET C4.2:

1. Detail #1: Add screenings container to plan view. (see sketch #1 included herein)
2. Note #10, Line 4: Change the word “TEMPRORARY” to “TEMPORARY”.
3. Note #15, Line 7: Change the word “TEMPRORARY” to “TEMPORARY”.
4. Note #18, Line 3: Change the word “RECETACLES” to “RECEPTACLES”.

C. SHEET C21:

1. Detail #1 - Plan: Replace the words “SLEEVE WITH” to “PROVIDE” in call out at pipe installation on the eastern wall of the containment pad.

D. SHEET SG2:

1. Detail #6A, Note 2: Insert the words “AS APPLICABLE TO THE EXTERIOR RAILINGS ATOP THE HEADWORKS BUILDING” at the end of this note.

E. SHEET A7:



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1. Add safety railing and associated callout on the north edge of the roof above the blower room, extending east the same length as the railing previously included on the south edge of the roof above the blower room.
2. Add dimensional callout for required lengths of safety railing along north and south walls of headworks building.
3. Update callout for previously included safety railing along south side of headworks building.
4. Above revisions as shown on Sketch #2 included herein.

F. SHEET A8:

1. SOUTH ELEVATION: Move leader of callout for roof access ladder to correctly identify said ladder.
2. EAST, WEST and SOUTH ELEVATIONS: Move leaders for “6-inch ALUM DRIP EDGE” callouts to correctly identify said edging.
3. EAST, SOUTH AND NORTH ELEVATIONS: Show safety railing above blower room and add associated callouts.
4. Add details illustrating connections of safety railing to roof of blower room and to vertical wall of headworks room.
5. Above revisions as shown on Sketches #3, #4 and #5 included herein.

G. SHEET A12:

1. Detail #2b: Replace call out “ALIGN AAT EXTERIOR WALLS, TYPICAL” with “ALIGN AT EXTERIOR WALLS, TYPICAL”.



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H. SHEET MD2:

1. Detail #2: Replace call out “1-1/2” DIA TYPE 3/6 STAINLESS STEEL STEM” with “1-1/2” DIA TYPE 316 STAINLESS STEEL STEM”.

I. SHEET EG1:

1. Change description of twenty first symbol of electrical legend to “5 #12 AWG + #12 AWG **GND** IN 3/4” E.C. CONCEALED IN WALL OR CEILING”.
2. Correct spelling within description of AWG symbol.
3. Change description of seventh symbol of fire alarm legend to “HEAT DETECTOR 20’ O.C.”.

J. SHEET ESP1:

1. Note #13: Modify to read “NOT USED”.
2. Electrical Site Plan:
 - a. Relocate callout for detail 3 on sheet EID4 to west side of EXISTING EQ TANK, where the new Thickened Sludge Odor Control building is to be located.
 - b. Remove extraneous concrete wall that extends from the call out for the INFLUENT MANHOLE over to the PRE-EQ/WET WELL TANKAGE.
 - c. Remove the text stating “AIR FLOW” on the genset plan view.
 - d. Remove the text stating “25,655 SQ. FT.” as part of the label for “NEW EFFLUENT RECHARGE BED AREA 1”.



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3. Access Road Utility Plan:
 - a. Relocate MATCHLINE to coincide with that of the Electrical Site Plan.
 - b. Add leaders to the callouts for “EXIST 12” DIAM DIP” and “EXIST 6””.
 - c. Remove reference to note 19 from callout that also refers to notes 1, 17 and 18.
 - d. Above revisions as shown on Sketch #6 included herein.

- K. SHEET SLD1:
 1. Remove leftmost callout indicating “1000A BUSS 480V” along with vertical line break from Existing Control Building Single Line Diagram.

- L. SHEET SLD2:
 1. Modified Existing Single Line Diagram:
 - a. Remove leftmost callout indicating “1000A BUSS 480V”.
 - b. Modify circuit breaker to the left of PANEL PP6 from “25/2” to “25/3”.

- M. SHEET SLD3:
 1. Modify each of the three (3) circuit breakers of the KIRK-KEY INTERLOCK to be a 4-pole bolted pressure switch, as shown on Sketch #7 included herein.

- N. SHEET SLD4:
 1. For pumps WASP-1 and WASP-3, modify the MCP size from “25/3” to “30/3”, and the horsepower from “7.5” to “10”.



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O. SHEET SLD5:

1. For pump WASP-2, modify the MCP size from “25/3” to “30/3”, and the horsepower from “7.5” to “10”.

P. SHEET MCC2:

1. Add “3” to the list of “INF VLV” numbers at the bottom of bucket A of MCC-4 elevation view.

Q. SHEET EPT1:

1. Shift location of multi-use tank motor south to show it being within sump along south wall of tank.
2. Modify callout for junction box detail from “1/EPT1” to “3/EPT1” as shown on Sketch #8 included herein.
3. Add POST EQUALIZATION PUMP (POEQP-3) within sump along south wall of SOUTH POST-EQ tank along with associated power wiring as shown on Sketch #8 included herein.

R. SHEET EPT2:

1. Shift location of multi-use tank motor south to show it being within sump along south wall of tank.
2. Add POST EQUALIZATION PUMP (POEQP-3) within sump along south wall of SOUTH POST-EQ tank along with associated control wiring as shown on Sketch #9 included herein.

S. SHEET EPT4:



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1. Detail entitled ENLARGED NORTH/CENTRAL SBR MOTORIZED VALVE POWER PLAN:
 - a. Remove POST-EQUALIZATION PUMP 2 (POEQP-2) and all associated power wiring.
 - b. Add disconnect switches and associated wiring for the motorized air valves.
 - c. Above revisions as shown on Sketch #10 included herein.
2. Detail entitled ENLARGED NORTH/CENTRAL SBR MOTORIZED VALVE CONTROL PLAN: Remove POST-EQUALIZATION PUMP 2 (POEQP-2) and all associated control wiring.
3. Detail entitled ENLARGED CENTRAL/SOUTH SBR MOTORIZED VALVE POWER PLAN:
 - a. Remove POST-EQUALIZATION PUMP 3 (POEQP-3) and all associated power wiring.
 - b. Add POST-EQUALIZATION PUMP 2 (POEQP-2) and all associated power wiring.
 - c. Add disconnect switches and associated wiring for the motorized air valves.
 - d. Above revisions as shown on Sketch #11 included herein.
4. Detail entitled ENLARGED CENTRAL/SOUTH SBR MOTORIZED VALVE CONTROL PLAN:



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- a. Remove POST-EQUALIZATION PUMP 3 (POEQP-3) and all associated control wiring.
- b. Add POST-EQUALIZATION PUMP 2 (POEQP-2) and all associated control wiring.
- c. Above revisions as shown on Sketch #12 included herein.

T. SHEET EOB2:

1. Change call out of control station along northern wall of filter room from “CS-7” to “CS-9”.
2. Note #5: Delete duplicate word “WITH” from line 4.
3. Change callout of homerun from FT on eastern wall of filter room (effluent flowmeter) to “TO CP-2 VIA VCR1”, as shown on Sketch #13 included herein.
4. Change callout of homerun from FT within polymer room (sludge flowmeter) to “TO CP-5A VIA VCR1”, as shown on Sketch #13 included herein.
5. Change wiring callout of homerun from FT on northern wall of blower room (venturi meter) to “SHIELDED TWISTED PAIR IN 3/4” E.C. (TYP. FOR 4)”, as shown on Sketch #13 included herein.
6. Add callouts for a “1-inch SPARE E.C. WITH DRAG WIRE” emanating from both CP-5A and FUTURE CP-5B J-BOX and routed “TO FUTURE SCADA TERMINAL BOX”.

U. SHEET EOB2.1:

1. Add callouts for a “1” SPARE E.C. WITH DRAG WIRE” emanating from CP-1, CP-3 and CP-8 and routed “TO FUTURE SCADA TERMINAL BOX”.



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2. Modify callout for wiring between VCR1 and CP-2 to “(3) SHIELDED TWISTED PAIRS IN 1 ¼” E.C.”
- V. SHEET EOB3:
1. Modify callout of exit sign above exterior door of vestibule to “PP1-13”.
 2. Add homerun for three-way switch at southwest corner of vestibule going to “PP1-13”.
- W. SHEET EOB4:
1. Delete callout at EUH-1 referencing note 2 on sheet EOB4 (TYP. FOR 4).
 2. Shift leader of callout for “TX-1” to point to ceiling exhaust fan within restroom.
- X. SHEETS EEQ1 and SLD6:
1. Change designation of disconnect switch for six (6) Pre-eq pumps (PEQP-1, 2, 3, 4 and 2 future pumps) from “DS1” to “DS2”.
- Y. SHEET EEQ1:
1. Show supply fan line work as shown on Sketch #14 included herein.
 2. Replace the word “EXHAUST” with “SUPPLY” in the callout for the fan of the influent pump station as shown on Sketch #14 included herein.
 3. Note #6: Insert the word “BUILDING” after “HEADWORKS” in line 2.
- Z. SHEET EEQ2:
1. Correct location of Pre-eq pumps within sumps.



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2. Modify callout of homerun from the junction box for the WET WELL MIXER to be routed to “CP-4”.
3. Modify callout of signal from the FLOW TRANSMITTER measuring flow from the influent pump station to be read “TO VCR#1 VIA CP-4 AND CP-2”.

AA. SHEET EEQ3:

1. Note #7: Add missing leader from Note #7 call out to CCTV junction box at northwest corner of pre-equalization tank.

BB. SHEET EHB1:

1. Headworks building power plan: Correct typo in callout referring to enlarged plan on sheet EHB2 to read “SEE ENLARGED PLAN ON SHEET EHB2”.

CC. SHEET EHB2:

1. Note #4: Insert the word “EACH” after “FOR” on line 2.
2. Add “TYP X2” for the callout referring to the HEAT TRACING RECEPTACLE.
3. Modify wiring callout referring to 20A TWIST LOCK RECEPTACLE (FOR VALVE CONTROL) from “TYP FOR 12” to “TYP FOR 3” as shown on Sketch #15 included herein.
4. Modify wiring callout referring to 30A AND 20A TWIST LOCK RECEPTACLE (POWER) and 15A TWIST LOCK RECEPTACLE (FOR EMERGENCY STOP) from “TYP FOR 12” to “TYP FOR 9” as shown on Sketch #15 included herein.

DD. SHEET EHB3:



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1. Insert “PP5-3” after the word “TO” of callout showing the homerun from PC-1 within the HEADWORKS BUILDING LIGHTING PLAN.

EE. SHEET EHB4:

1. Headworks Building HVAC Power Plan: Modify homerun from DS2 of RTU-6 to be routed to “MCC-3G” not “MCC-3H”.

FF. SHEET EID1:

1. Detail #6: Shift the location of callout indicating “6” upwards to clear callout leader line.

GG. SHEET EID2:

1. Detail #6: Remove elevation callout of “124.0” and “6-inch” dimension.

HH. SHEET EID3:

1. Note #19: Modify word in last line from “STATERS” to “STARTERS”.

II. SHEET EID4:

1. Detail #3:
 - a. Modify location of homerun going to PP6-2,4,6 to emanate from CS-11 rather than electrical panel PP6.
 - b. Modify wiring routed from the left of transformer T5 to connect to PC-1.
 - c. Above revisions as shown on Sketch #16 included herein.

JJ. SHEET ES1:



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1. Change load description of circuit number 31 within panel wiring schedule for PP1 from “CS-7” to “CS-9”.
2. Change load description of circuit number 14 within panel wiring schedule for PP5 from “CS-5” to “CS-8”.
3. Change load description of circuit numbers 25, 27 within panel wiring schedule for PP3 from “OPS BUILDING EXT LTG” to “SPARE”.

KK. SHEET H2:

1. The drawing currently indicates that exhaust fan TX-1 is to be roof mounted and provided with an 8x6 exhaust grille. The exhaust grille and associated ductwork shall be omitted from the drawings.
2. Exhaust fan TX-1 shall be a ceiling exhaust fan as noted in the equipment schedule located on Sheet H5. The ceiling exhaust fan shall be installed in the location shown for the exhaust grille. Provide an 8x8 exhaust duct up through the roof to a curb mounted roof cap.

LL. SHEET H3:

1. The callout for TX-1 shall be omitted and replaced with “CURB MOUNTED ROOF CAP”.

MM. SHEET H5:

1. The options currently noted in the Exhaust Fan Schedule for TX-1 shall be disregarded. Exhaust fan TX-1 shall be provided with the following options:
 - a. Curb mounted roof cap
 - b. Designer grille



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- c. Motor with thermal overloads
- d. Solid state speed controller
- e. Prefabricated roof curb (12")
- f. EXHAUST FAN SCHEDULE modified as shown on Sketch #17 included herein.

NN. SHEET H6:

- 1. Detail #3 modified as shown on Sketch #18 included herein.

OO. SHEET H-M1:

- 1. WET WELL, VALVE PIT/METERING CHAMBER MECHANICAL PLAN:
Revise callout for "16-INCH DIAMETER KNIFE GATE VALVE" to "16-INCH PLUG VALVE" and revise valve symbol to show a plug valve.

PP. SHEET H-M2:

- 1. Section 1, WET WELL AND VALVE PIT SECTION:
 - a. Modify size of eccentric reducer from 4-inch pump base elbow of submersible pump from "4-INCH x 6-INCH" to "4-INCH x 8-INCH".
 - b. Modify callout of vertical discharge pipe of pump from "6- INCH" to "8-INCH".
 - c. Modify elevations of "6-INCH ALUMINUM DUST CAP" and "6-INCH ALUMINUM QUICK COUPLING".
 - d. Above revisions as shown on Sketch #19 included herein.



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2. Section 3, WET WELL SECTION:

- a. Replace callout for note 1 on sheet H-M2 with “VALVE BOX”.

QQ. SHEET H-E1:

- 1. Note #12: Modify to “NOT USED”.

RR. SHEET H-E2:

1. Note #1:

- a. Line 1: Change the word “LOCATION” to “LOCATIONS”.
- b. Line 3: Change the word “PENETRATION” to “PENETRATIONS”.

2. WET WELL/VALVE PIT POWER PLAN:

- a. Change the word “EXHAUST” to “SUPPLY” on line 3 within the call out referencing limit switches and manual switches.
- b. Insert the word “HAVE” after the word “SHALL” on line 6 within the call out referencing limit switches and manual switches.
- c. Delete extra explosion-proof switch on east side of wet well currently shown being routed to MCC-F.
- d. Delete the words “BY OTHERS” within the callout for the submersible cable for the mixers.
- e. Add callout for the valve pit referring to note 1 on sheet H-E2.

3. WET WELL/VALVE PIT CONTROL PLAN:



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- a. Three (3) callouts referring to CP-1 should instead refer to CP-14.
- b. Modify homerun from flow transmitters to be routed to “PGP-12 VIA EXP. J-BOX”.

SS. SHEET H-E3:

1. Detail of LIQUID LEVEL TRANSMITTER SENSING PROBE:
 - a. Modify callout of wiring above junction box to go to CP-14, rather than CP-13.
 - b. Add the word “NEW” to be the first word of the callout for the stilling tube.
2. WET WELL FAN SCHEMATIC:
 - a. Modify label for circuit breaker from “PGP-20” to “PGP-21”.

TT. SHEET H-E4:

1. Remove the words “BY OTHERS” from the description of feeder “I” and “L” within the CONDUCTOR AND CONDUITS FEEDER SCHEDULE.

UU. SHEET H-E5:

1. GENERATOR ELECTRICAL PLAN:
 - a. Modify the word “EXHAUST” to “SUPPLY” within the call out referencing conductor runs to wet well.
 - b. Modify homerun callout from thermostat to be routed to PGP-7 rather than PGP-24.



ADDENDUM NO. 1

CONTRACT NO. CP8126-1 – GENERAL, MECHANICAL AND ELECTRICAL CONSTRUCTION

DATED: SEPTEMBER 10, 2010



**SUFFOLK COUNTY DEPARTMENT OF PUBLIC WORKS
DIVISION OF SANITATION
HAUPPAUGE INDUSTRIAL PARK
S.C.S.D. NO. 18 – INDUSTRIAL SEWER DISTRICT EXPANSION
SUFF 0503**

- c. Modify detail number referenced for the GENERATOR EMERGENCY SHUT OFF NAMEPLATE from “8” to “7”.

VV. SHEET H-E6:

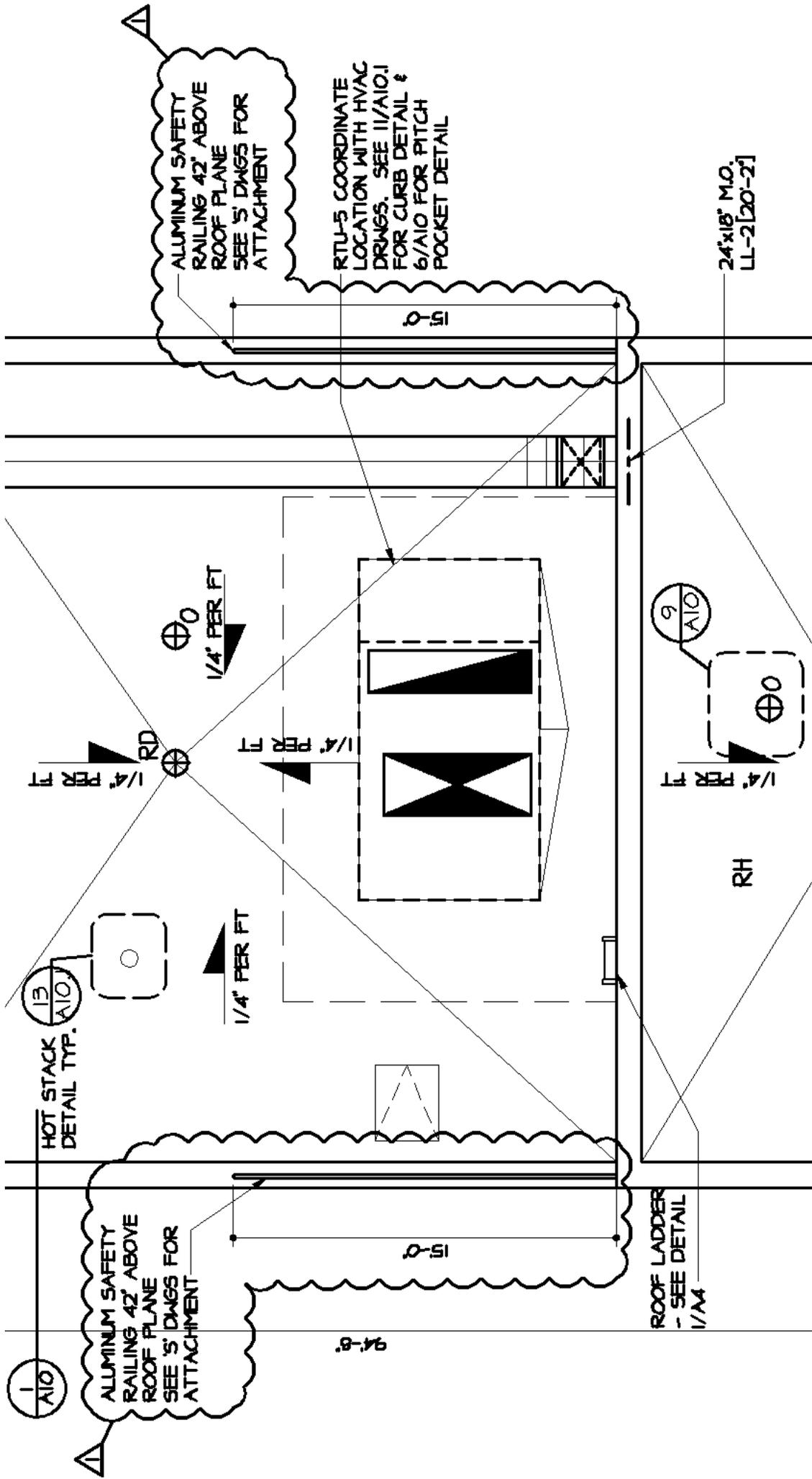
1. Section 1: Shift the location of leader for expansion material callout to the interface between the generator pad and slab below aluminum stairs.
2. Detail 2: Reference detail #5 on sheet H-E7 for each of the section view callouts.

WW. SHEET H-E8:

1. Within panel wiring schedule for HEARTLAND PGP:
 - a. Change the load description of the following circuit numbers to “SPARE”:
8, 9, 11, 15, 18
 - b. Change the load description of circuit number 19 from “FLOW METERS” to “HEAT TRACING RECEPTACLE” and of circuit number 6 from “CP-13” to “CP-14”.

**END OF ADDENDUM NO. 1
FOR
CONTRACT NO. CP8126-1**

A: CAW;PJP | PM: PJP | LSB: PPETRICCIONE |
LSD: 9/10/2010 3:17 PM | LPD: 9/10/2010 3:17 PM | 10 SEPTEMBER 2010 | R#: 1 | P: 20 |
X:\SUFF (_SCDPW) - 10945\SUFF0503 HAUPPAUGE SD-18 (2006 FORMAT)\03-BID TAB & CONTRACT
ADDENDUMS\ADDENDUM #1 20100910 PJP CAW FINAL.DOCX |
ADDENDUM NO. 1 | SUFF 0503 |

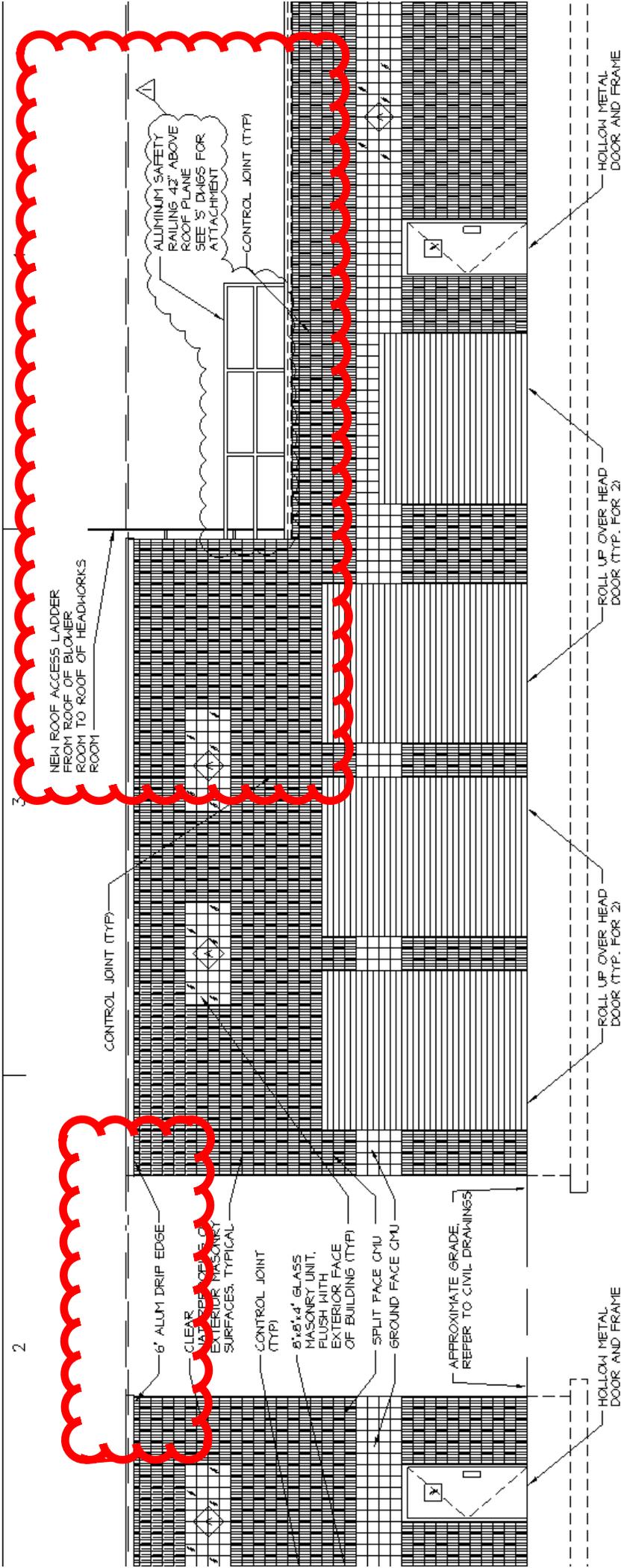


SUFF 0503

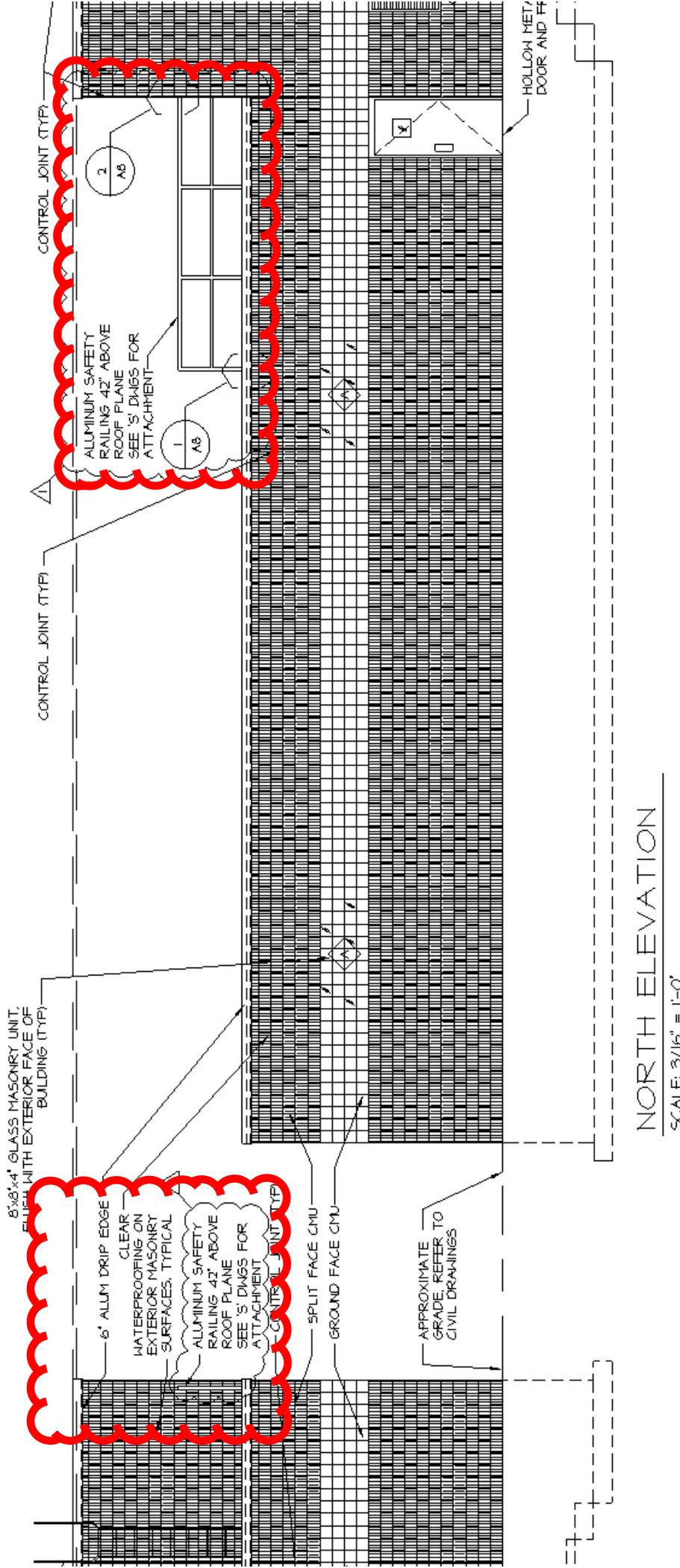
ADDENDUM #1 - ITEM E

SHEET A7 - SKETCH # 2

SUFF 0503
ADDENDUM #1 - ITEMS F1 - F3
SHEET A8 - SKETCH # 3



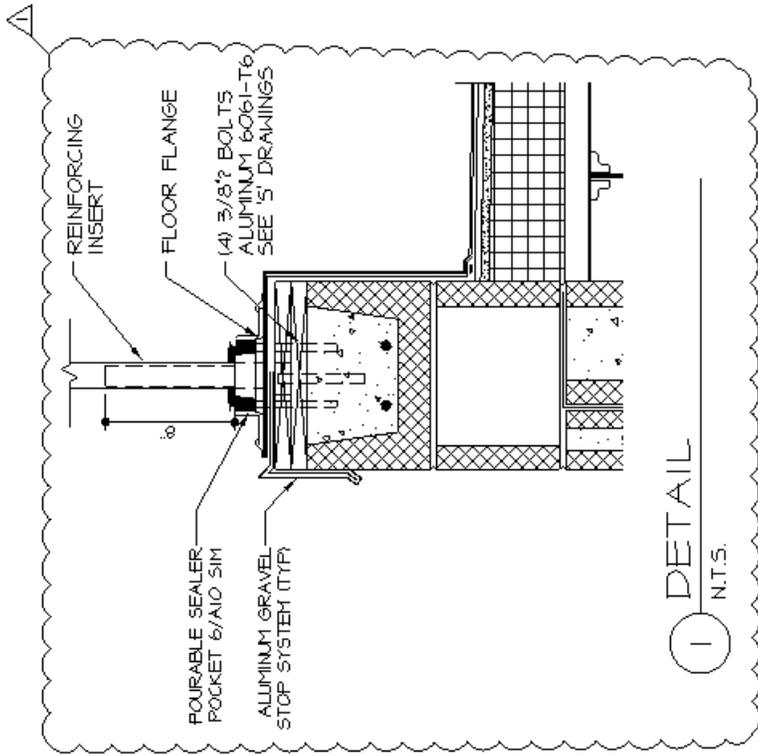
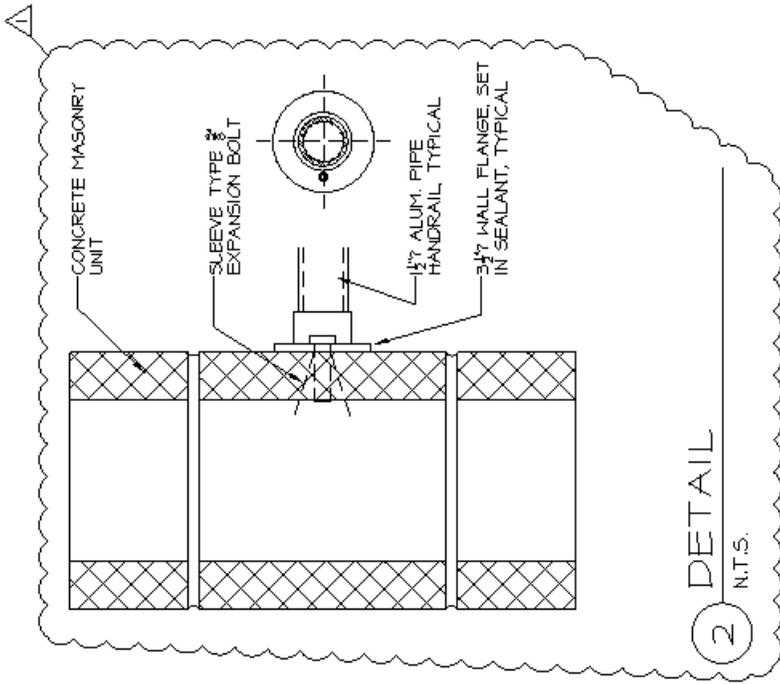
SOUTH ELEVATION
 SCALE: 3/16" = 1'-0"



SUFF 0503

ADDENDUM #1 - ITEMS F1 - F3

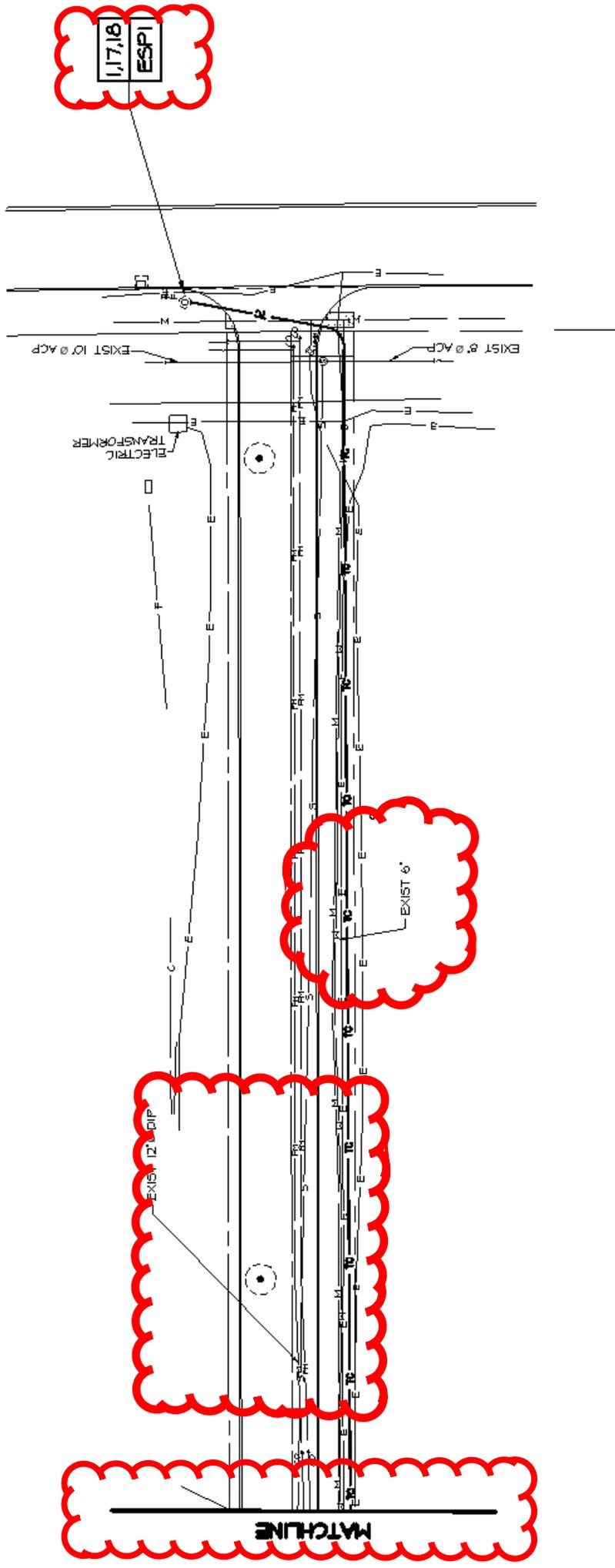
SHEET A8 - SKETCH # 4



SUFF 0503

ADDENDUM #1 - ITEM F4

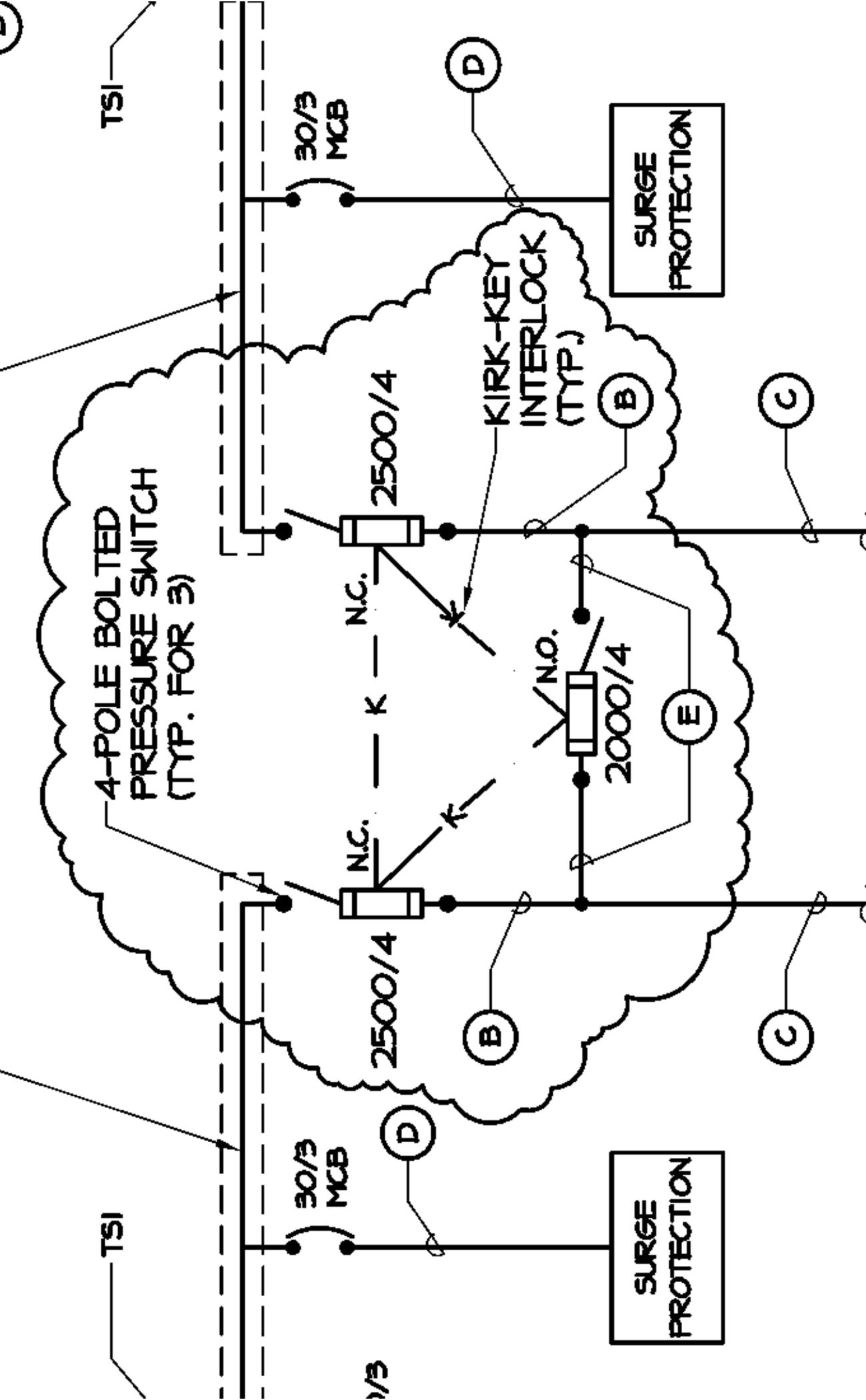
SHEET A8 - SKETCH # 5



1,17,18
ESP1

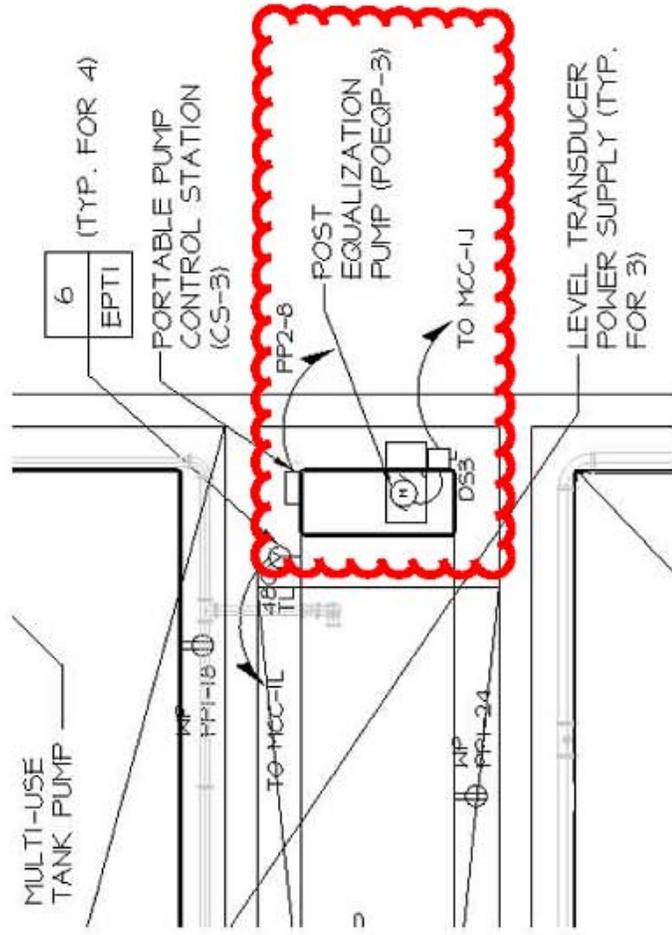
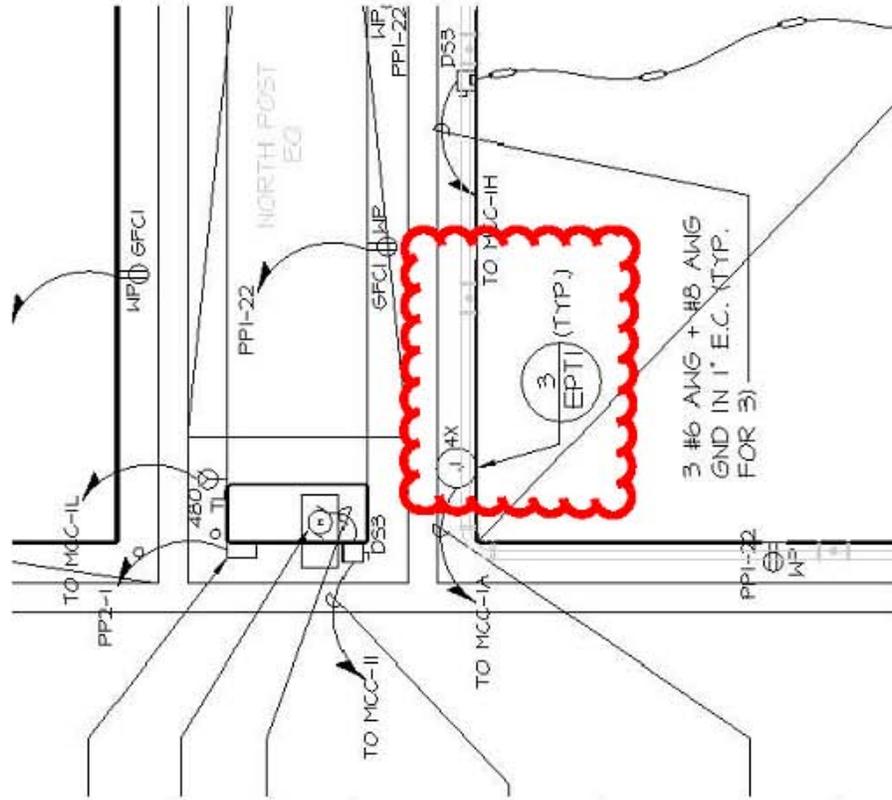
ACCESS ROAD UTILITY PLAN
SCALE: 1" = 40'

SUFF 0503
ADDENDUM #1 - ITEM J3
SHEET ESP1 - SKETCH # 6



TO MCC-1
(SEE DWG. SLD4)

SUFF 0503
ADDENDUM #1 - ITEM M
SHEET SLD3 - SKETCH # 7



SUFF 0503

ADDENDUM #1 - ITEMS Q2 & Q3

SHEET EPT1-SKETCH # 8

MULTI-USE
TANK

7
EPT2
(TYP. FOR 3)

12 #14 AWG IN 3/4"
E.C. (TYP. FOR 3)

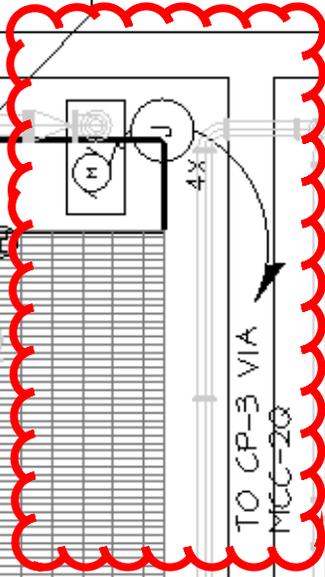
TO CP-3 VIA MCC-1A

TO CP-3 VIA MCC-1A

12 #14 AWG IN 3/4" E.C.
(TYP. FOR 3)

TO MCC-1L
(NOTE 8)

CS-3



TO CP-3 VIA
MCC-2Q

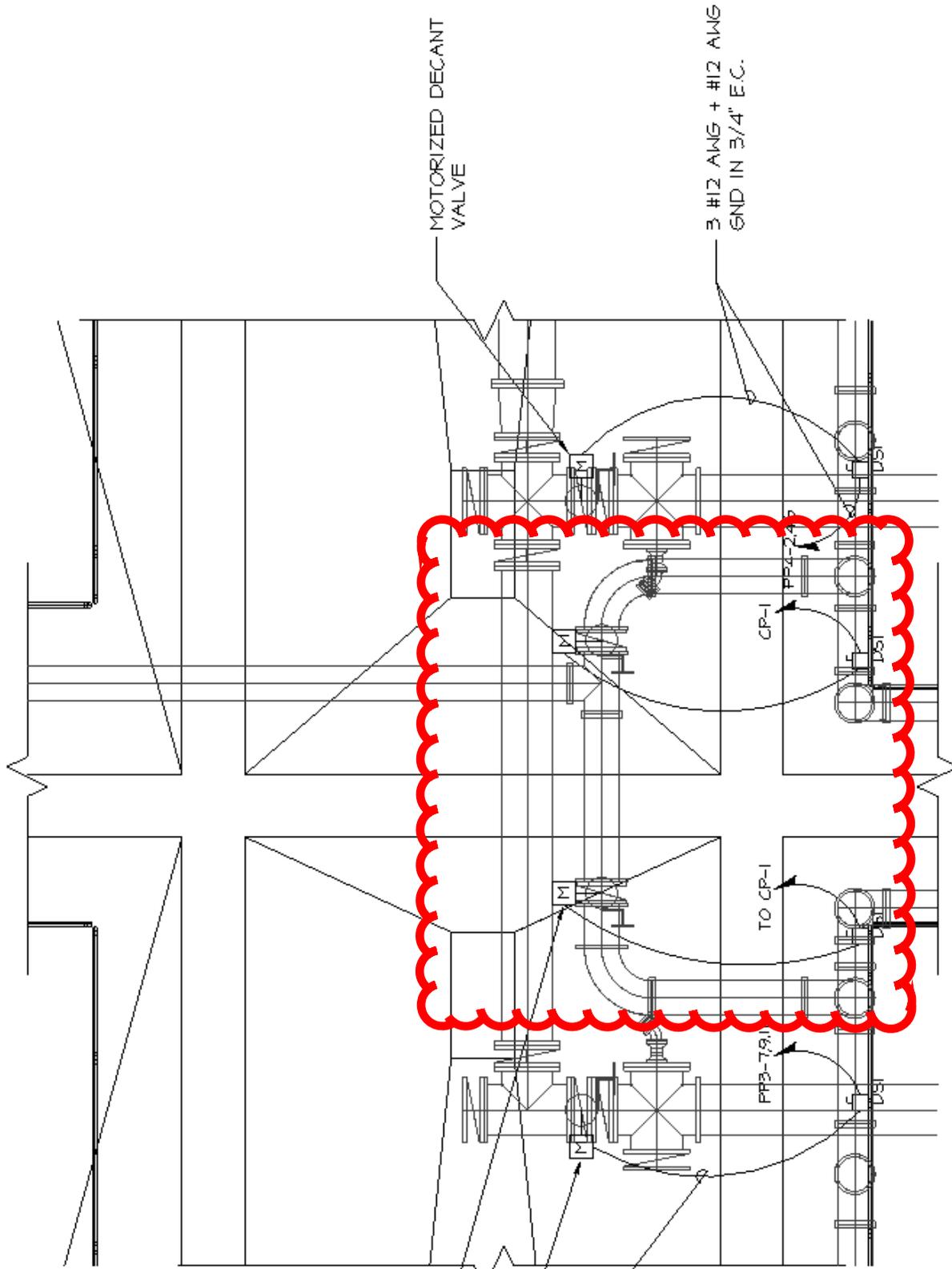
12 #14 AWG IN 3/4" E.C.
(TYP. FOR 3)

7
EPT2
(TYP. FOR 3)

(TYP. FOR 3)

SUFF 0503

ADDENDUM #1 - ITEM R2
SHEET EPT2 - SKETCH # 9



ENLARGED NORTH/CENTRAL SBR

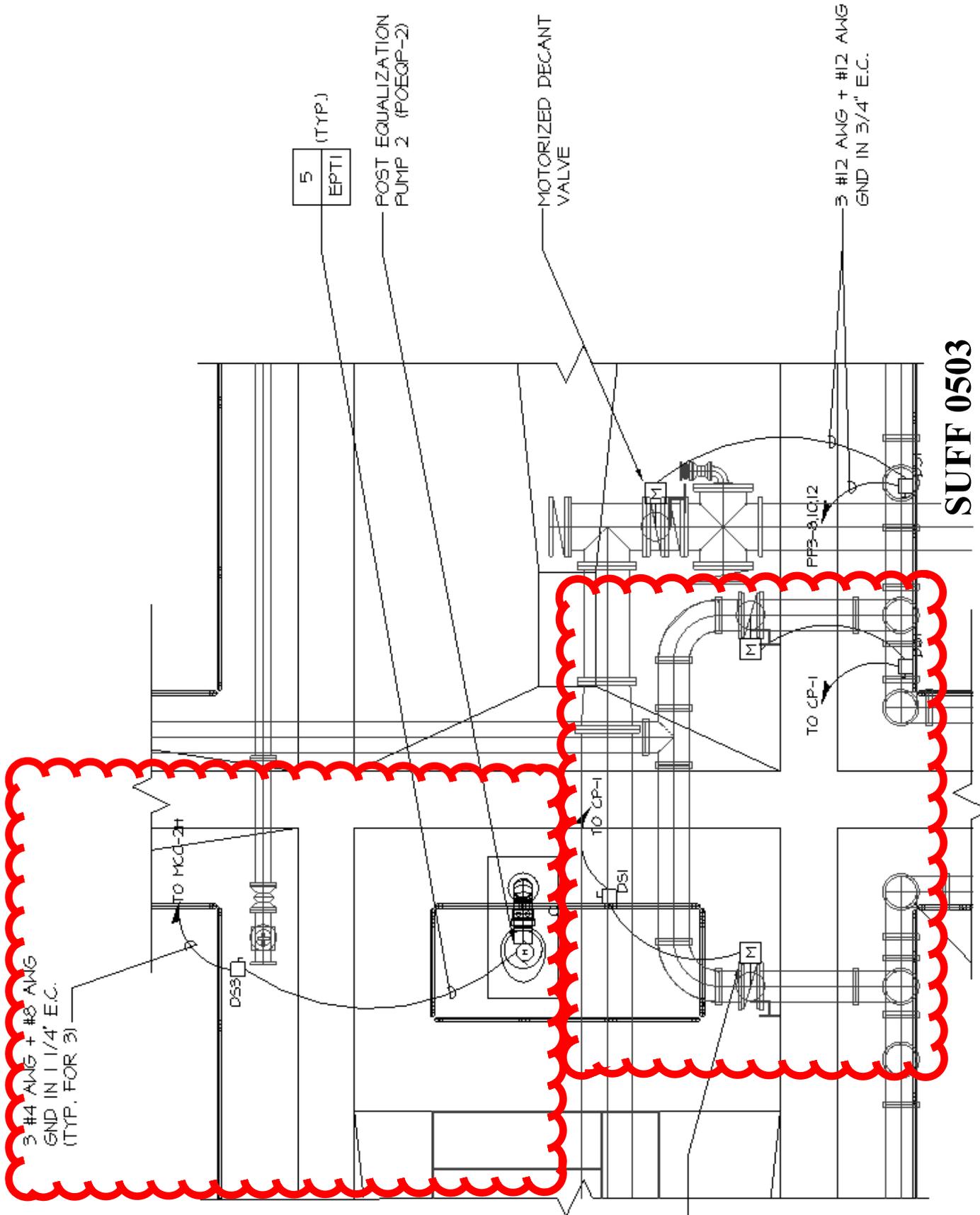
MOTORIZED VALVE POWER PLAN

SCALE: 1/4" = 1'-0"

SUFF 0503

ADDENDUM #1 - ITEM S1

SHEET EPT4 - SKETCH # 10



3 #4 ANG + #8 ANG
GND IN 1 1/4" E.C.
(TYP. FOR 3)

TO MCG-2H

D53

5 (TYP.)
EPT1

POST EQUALIZATION
PUMP 2 (FOEQP-2)

MOTORIZED DECANT
VALVE

MOTORIZED AIR
VALVE (TYP. FOR 2)

TO CP-1

DS1

TO CP-1

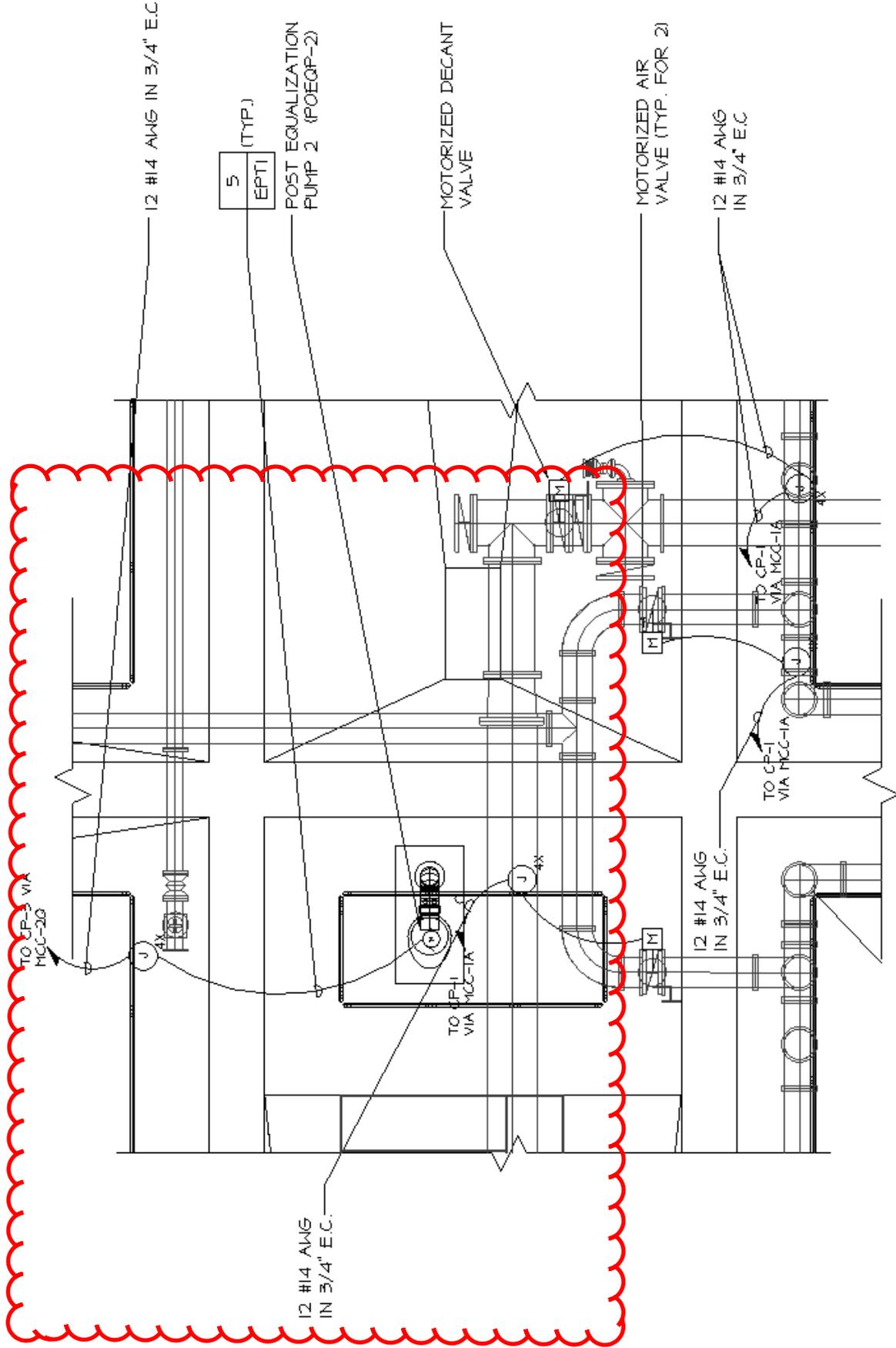
PPB-81C12

3 #12 ANG + #12 ANG
GND IN 3/4" E.C.

SUFF 0503

ADDENDUM #1 - ITEM S3
SHEET EPT4 - SKETCH # 11

ENLARGED CENTRAL/SOUTH SBR
MOTORIZED VALVE POWER PLAN
SCALE: 1/4" = 1'-0"

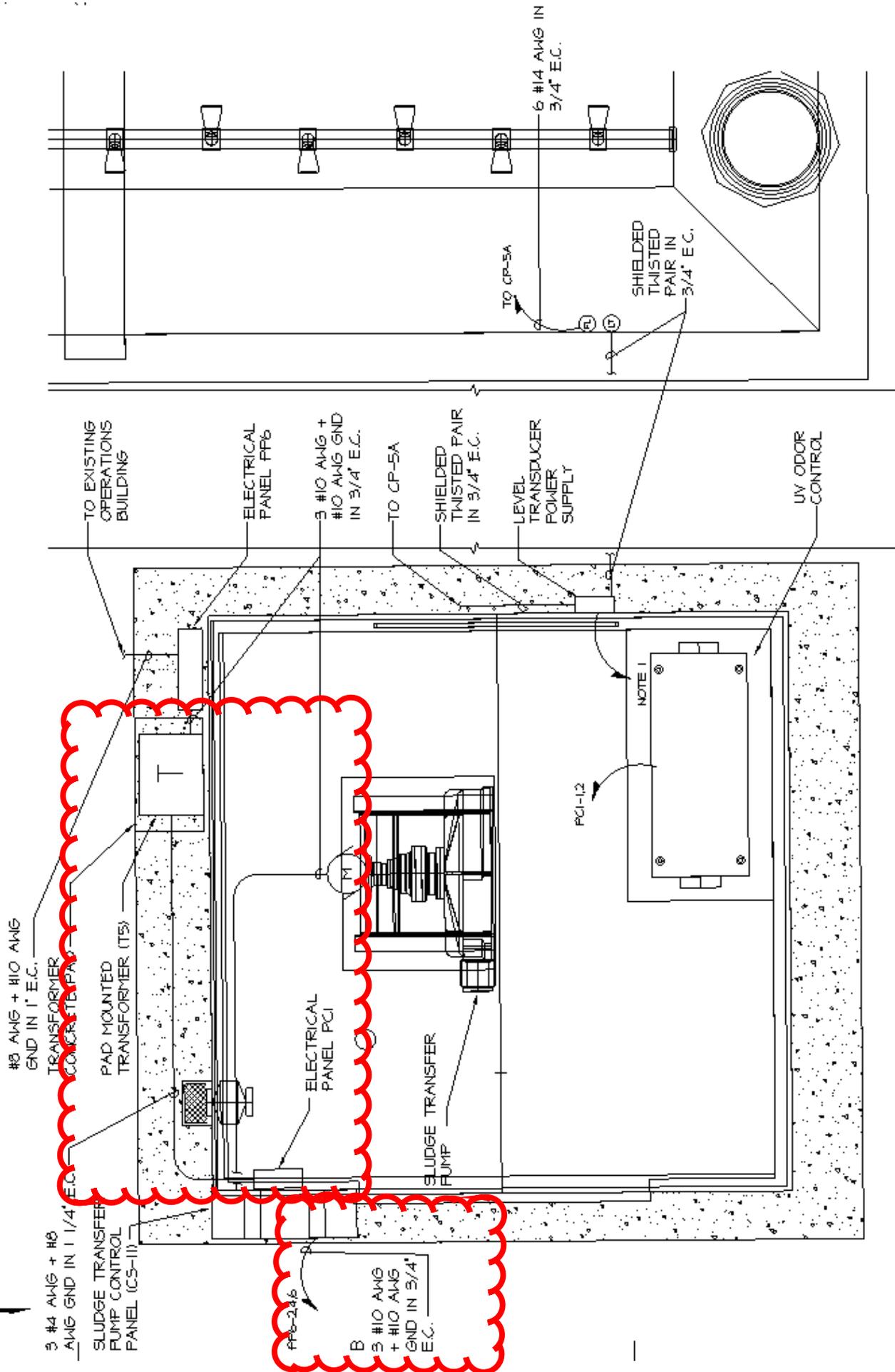


ENLARGED CENTRAL/SOUTH SBR
 MOTORIZED VALVE CONTROL PLAN
 SCALE 1/4"= 1'-0"

SUFF 0503
ADDENDUM #1 - ITEM S4
SHEET EPT4 - SKETCH # 12

A MATCHING FLOOR FOR THE HEAT TRACING CABLE.

2



3 THICKENED SLUDGE ODOR CONTROL
 BUILDING POWER PLAN
 SCALE 1/25"=1'-0"

SUFF 0503
 ADDENDUM #1 - ITEM II
 SHEET EID4 - SKETCH # 16

NOTE:

1. CONTRACTOR SHALL PROVIDE A NEW 20A/1P BREAKER IN PANEL PCI FOR LEVEL TRANSDUCER POWER SUPPLY.

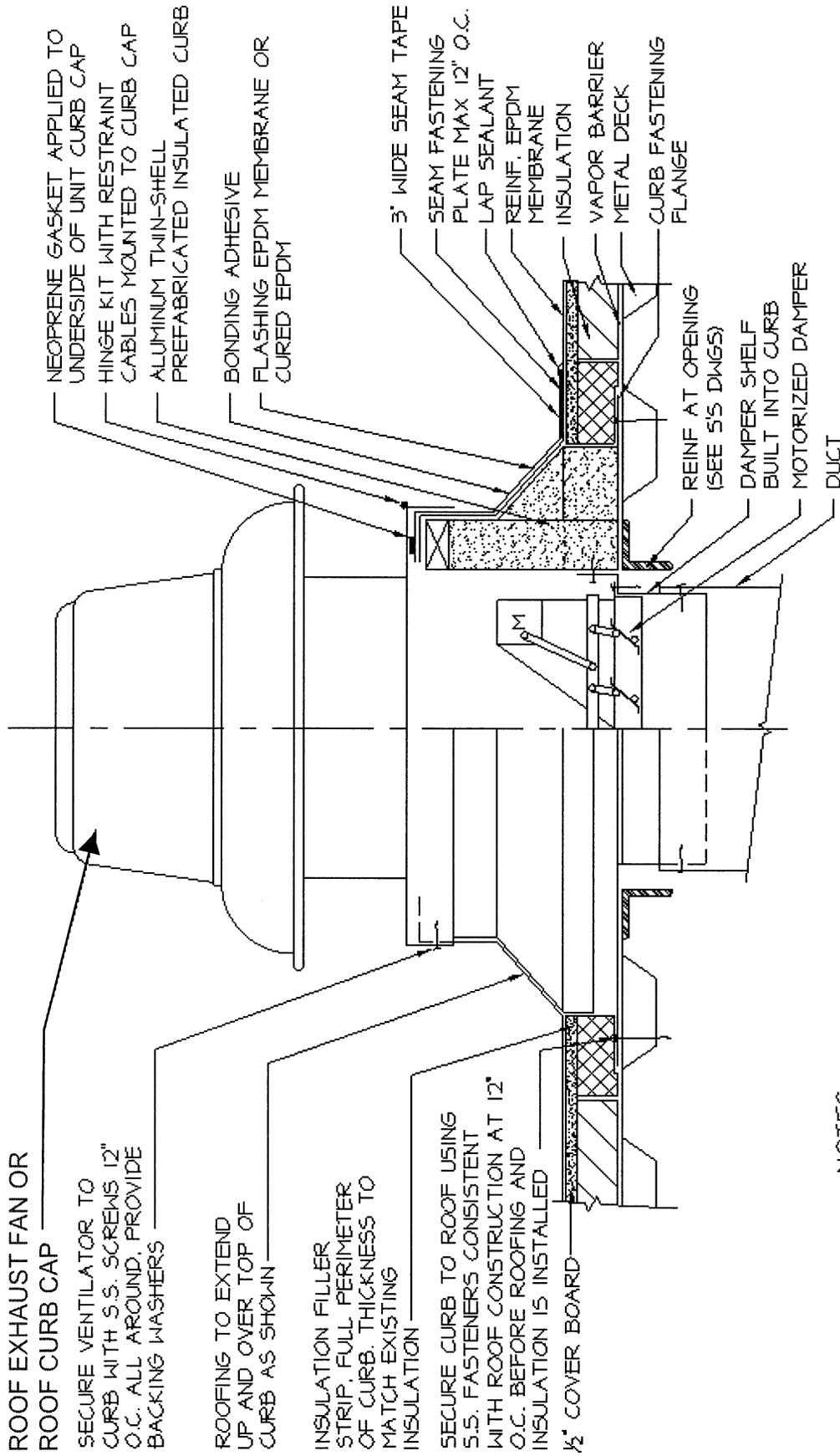
A

EXHAUST FAN SCHEDULE

UNIT No.	AREA SERVED	MANUFACTURER	MODEL	CFM	ESP IN. W.C.	SONES	MOTOR RPM	HEIGHT LBS.	HP	ROOF/WALL OPENING	ELECTRICAL DATA	FAN TYPE	DRIVE TYPE	REMARKS
EF-12	FILTER ROOM	GREENECK	TAUB-CA-20-15	5000	.375	36	1725	205	1.5	22.5x22.5	460/60/3	ROOF UPBLAST	BELT	1-6
EF-3,4	THICKENER ROOM	GREENECK	TAUB-CA-18-10	3600	.375	30	1725	180	1.0	20.5x20.5	460/60/3	ROOF UPBLAST	BELT	15,7-9
TX-1	RESTROOM	GREENECK	SP-A300	100	.375	2.3	900	21	.48W	-	115/60/1	CEILING EXHAUST	-	

1. PREFABRICATED ROOF CURB.
2. OUTLET GUARD.
3. CHEMICAL RESISTANT COATING TO INSIDE & OUTSIDE OF FAN SECTION.
4. INTERLOCK ALL ASSOCIATED MOTOR OPERATED INTAKE LOUVERS TO OPEN UPON START OF EXHAUST FANS.
5. SOLID STATE SPEED CONTROLLER.
6. MOTORIZED DAMPER.
7. CURB MOUNTED ROOF CAP.
8. DESIGNER GRILLE.
9. MOTOR WITH THERMAL OVERLOADS.

SUFF 0503
ADDENDUM #1 - ITEM MM
SHEET H5 - SKETCH # 17



ROOF EXHAUST FAN OR
ROOF CURB CAP
SECURE VENTILATOR TO
CURB WITH 5.5. SCREWS 12"
O.C. ALL AROUND. PROVIDE
BACKING WASHERS

ROOFING TO EXTEND
UP AND OVER TOP OF
CURB AS SHOWN

INSULATION FILLER
STRIP, FULL PERIMETER
OF CURB. THICKNESS TO
MATCH EXISTING
INSULATION

SECURE CURB TO ROOF USING
5.5. FASTENERS CONSISTENT
WITH ROOF CONSTRUCTION AT 12"
O.C. BEFORE ROOFING AND
INSULATION IS INSTALLED

1/2" COVER BOARD

REIN. AT OPENING
(SEE 5'S DWGS)
DAMPER SHELF
BUILT INTO CURB
MOTORIZED DAMPER
DUCT

NOTES:

1. CURBS AND FANS SHALL BE FROM THE SAME MANUFACTURER.
2. ROOF OPENING IN ACCORDANCE WITH MANUFACTURER'S APPROVED SHOP DRAWINGS
3. CURB HEIGHT SHALL BE 12' ABOVE FINISHED ROOF.
4. ALL FLASHING AND ROOF WORK BY CONTRACTOR

SUFF 0503
ADDENDUM #1 - ITEM NN
SHEET H6 - SKETCH # 18

