

ADDENDUM NO. 1

March 22, 2024

FAIRFIELD COUNTY AIRPORT CONSTRUCT 4 BOX HANGARS, 10-UNIT T-HANGAR

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Date: March 24, 2024

ADDENDUM NO. 1

FAIRFIELD COUNTY AIRPORT CONSTRUCT 4 BOX HANGARS, 10-UNIT T-HANGAR

TO: All Plan Holders of Record

The following addendum items modify, change, delete from or add to, the requirements of the contract documents for this project. The articles contained in the addendum take precedence over the requirements of the previously published contract documents. Where any article of the contract specifications or any detail of the contract drawings is modified or any paragraph, subparagraph or clause thereof is modified or deleted by the articles contained in this addendum, the unaltered provisions of that article, paragraph, subparagraph or clause shall remain in effect. All Contractors shall acknowledge receipt of this Addendum in the space provided in the Bid Proposal Packet.

Item No. 1 – Pre-Bid Meeting

- A. See attached for meeting minutes from the Pre-Bid Meeting held on March 20, 2024.
- B. See attached sign-in sheet from the Pre-Bid Meeting.

Item No. 2 – Plan Drawings

- A. REPLACE sheets 2 and 45 with the included REVISED sheets.
 - a. 2 – Add lump sum heating quantity to the quantities sheet
 - b. 45 – Added Notes 15 and 16

Item No. 3 – Project Manual

- B. REPLACE pages 12 and 16 with the included REVISED schedule of prices.
 - a. Corrected spelling error line 29
 - b. Added last page, Additive Alternate 1 – Gas Heating in Box Hangars

PRE-BID CONFERENCE AGENDA
CONSTRUCT 4 BOX HANGARS AND 10 UNIT T HANGAR
FAIRFIELD COUNTY AIRPORT
Wednesday, March 20, 2024, 1:00 p.m.

1. Introduction
2. Staff
3. Bid Instruction: (Page 8 through 11)
 - a. Proposal Form (Page 12 through 16)
 - b. Schedule of Prices (Page 17 through 20)
 - c. Statement of Qualifications (Page 21)
 - d. Certifications (Page 22 through 26)
 - e. Non-Collusion Affidavit (Page 27)
 - f. Affidavit of Contractor or Supplier of Non-Delinquency Personal Property Taxes (Page 28)
 - g. State of Ohio – Standard Affirmation and Disclosure Form (Page 29)
 - h. DBE Statement (Page 31)
 - i. Bidder’s List Collection Form (Page 32)
 - j. Letter of Intent (Page 33)
 - k. Sample Contract Agreement (Page 34)
4. Contract Requirements:
 - a. Time for completion of all work is 365 consecutive calendar days
 - b. \$200.00 per day liquidated damages
 - c. Davis Bacon Prevailing Wage Rates apply, sitework only
 - d. Award expected: Within 90 days (**expect within 30 days**)
5. Airport Security and Safety Issues
 - a. Airport barricades
 - i. Follow CSPP and maintain a safe distance from all airfield activities
 - b. Security and safety is paramount. FAA AC 150/5370-2G
 - c. Stay within confines of designated work areas and/or haul routes
 - i. Access shall be maintained to the airport for the duration of the construction project.
6. Permits
 - a. OUPS
 - b. All ~~state and~~ county applicable **building, health department, and sanitary** permits are the responsibility of the contractor
7. Questions and bid due date
 - a. Questions are due by 12:00 pm Wednesday, March 27, 2024 to Ben Cooley, bcooley@cmtengr.com
 - b. Bids due by 11:00 am Thursday April 4, 2024 at the Airport Terminal, Fairfield County Airport
8. Scope of work
 - a. Construct New 10 Unit T Hangar
 - i. Demo

- ii. Earthwork
 - iii. Paving
 - iv. Storm Sewer
 - v. Electric
 - vi. Water
 - vii. Sanitary Sewer
 - ~~viii. Fencing~~
 - ix. Heating
- b. Construct 4 New Box Hangars
- i. Demo
 - ii. Earthwork
 - iii. Paving
 - iv. Storm Sewer
 - v. Electric
 - vi. Water
 - vii. Sanitary Sewer
 - viii. Fencing
 - ix. Heating

Questions:

1. Will this project require a certified payroll?
 - a. Yes, the project site work will be subject to Davis Bacon wage rates due to federal money funding the project. The building will be subject to Ohio wage rates.
2. Are there any weight restrictions for haul routes?
 - a. Standard County weight restrictions will apply.
3. Will each bay be metered separately?
 - a. Pending changes from the airport, yes, all bays will need to be metered separately.
4. Can you clarify the amperage required to feed electricity to the T-hangars?
 - a. Each box hangar is assumed to require a 200A, 120/208V, 3-phase service. The T-hangar is assumed to require a 400A, 120/208V, 3-phase service. Ultimate power service needs will be contingent upon equipment provided by the Contractor and should be coordinated with the power utility.
5. Will there be any changes to the project between now and the bid dates?
 - a. An addendum with an additive alternative will be distributed regarding utilizing gas heating for the box hangars.
6. Does the County require any specific companies used in the tapping of the water/sanitary service?
 - a. No, they will not be tapping the County line so there is no requirement for an authorized contractor.
7. Is there a fixture schedule?
 - a. Currently there is no fixture schedule. The number and spacings of lights are to be determined by the contractor per IES guidelines.
8. How will invoicing be handled given the complexity of the funding situation?
 - a. All invoices will be per unit pricing and go to CMT for the sake of simplicity.

**FAIRFIELD COUNTY AIRPORT
CONSTRUCT 4 BOX HANGARS, 10 UNIT T HANGAR**

Pre-Bid Meeting Attendance

CMT Project No. 23005491.00

3/20/2024

1:00 p.m.

CONTACT	AFFILIATION	PHONE NUMBERS
1 Ben Cooley	CMT E-Mail bcooley@cmtengr.com	Office: 614-468-1205 Cell: 614-489-6496
2 Camden Shumanski	CMT E-Mail Cshumanski@cmvengr.com	Office: 614-468-1207 Cell: 614-282-8845
3 Michael Bline	C-M General Contracting E-Mail	Office: Cell: 614-296-3940
4 Shane Walton	Buena Environmental LLC E-Mail shane@buenaenvironmental.com	Office: Cell: 614-374-2720
5 Drew Wolfe	Claypool Electric Inc E-Mail DWolfe@claypoolelectric.com	Office: Cell: 740-808-3295
6 MARC GRAF	SETTERLIN E-Mail m.graf@setterlin.com	Office: 614-643-3031 Cell: 614-271-5033
7 Jon Kochis	jon. E-Mail	Office: 740 438 5307 Cell:
8 Rod Archer	rjagrading@gmail.com E-Mail	Office: 740-616-0348 Cell:
9	E-Mail	Office: Cell:
10	E-Mail	Office: Cell:

CRAWFORD, MURPHY TILLY INC.
8101 N. High Street, Suite 150
Columbus, Ohio 43235

Item SP-1 – Building and Utility Construction

DESCRIPTION

SP-1.1 This item shall consist of providing and constructing two, 2-unit box hangars with individual interior spaces of 60' x 60' clear span, a 10-unit T-hangar, and installation of supporting utilities to include water service, sanitary sewer service, and electric service. The Contractor shall be responsible for foundation and structural element design, completion of the mechanical, electrical, and plumbing design to meet the minimum requirements, and all permitting required. All utility installation shall be coordinated with and conform to the standards of the individual utility.

BOX HANGAR CONSTRUCTION

SP-1-2.1 General Conformance. The box hangars consist of two, 2-unit box hangars, each having individual interior space of 60' x 60' clear span. The Contractor shall design the foundation and structural floor slab to accommodate the proposed Pre-Engineered Metal Building manufacturer. The structural floor slab shall be a minimum thickness of 6-inches.

All construction shall be in accordance with the Ohio Building Code, local ordinances, and the Fairfield Airport Minimum Standards, available at:

https://www.fairfieldcountyairport.com/pdf/Minimum_standards.pdf

All other minimum details shall be as noted in the Plans.

The Contractor shall be required to obtain the Building Permit after completion of final construction details.

All work within the building shell and extending to 5-feet outside of the building shell shall be considered included in the Lump Sum price for the 2-unit box hangar. The proposal includes 2 Lump Sums.

SP-1-2.2 Interior Lighting. The interior lighting of each bay of the box hangars shall provide 50 foot candles in the hangar bay.

SP-1-2.3 HVAC and Ventilation. The Contractor shall provide HVAC in any space used to support active water lines (restroom area). Minimum ventilation requirements, including destratification fans and exhaust ventilation are included in the Plans.

SP-1-2.4 Hangar Bay Heating. The Contractor shall provide gas fired heating units for the hangar bays in accordance with Ohio Building Code and other local codes as applicable. The insulation provided in the hangar bays shall support the energy code requirements for a heated space.

T- HANGAR CONSTRUCTION

SP-1-3.1 General Conformance. The T-hangar consists of one, 10-unit T-hangars, each individual space having the minimum dimensions shown in the Plans. The Contractor shall design the foundation and structural floor slab to accommodate the proposed Pre-Engineered Metal Building manufacturer. The structural floor slab shall be a minimum thickness of 5-inches.

All construction shall be in accordance with the Ohio Building Code, local ordinances, and the Fairfield Airport Minimum Standards, available at:

https://www.fairfieldcountyairport.com/pdf/Minimum_standards.pdf

All other minimum details shall be as noted in the Plans.

The Contractor shall be required to obtain the Building Permit after completion of final construction details.

All work within the building shell and extending to 5-feet outside of the building shell shall be considered included in the Lump Sum price for the 2-unit box hangar. The proposal includes 2 Lump Sums.

SP-1-3.2 Interior Lighting. The interior lighting of each bay of the T-hangar shall provide 50 foot candles in each bay. Common use spaces shall be lit in accordance with standard practice.

SP-1-3.3 HVAC and Ventilation. The Contractor shall provide HVAC in any space used to support active water lines (restroom area). Minimum ventilation requirements are included in the Plans.

UTILITY INSTALLATION

SP-1-4.1 Water Service. Water service shall be installed in general conformance with the location shown in the Plans. The Contractor shall coordinate with the Fairfield County Water Department. All construction shall conform to the Fairfield County Water Standards. All tapping fees and permits shall be reimbursed to the Contractor by the Owner.

SP-1-4.2 Sewer Service. Sewer service shall be installed in general conformance with the location shown in the Plans. The Contractor shall coordinate with the Fairfield County Sewer Department. All construction shall conform to the Fairfield County Sewer Standards. All tapping fees and permits shall be reimbursed to the Contractor by the Owner.

Oil-water separators are required for each bay of the box hangars. Contractor shall procure and install precast oil-water separators of the size shown on the Plans.

SP-1-4.3 Electric Service. Electric service shall be coordinated with the local utility company based on the service size needed to support the as-furnished equipment. At a minimum, each box hangar bay shall be provided with a 200-amp single phase service. The service required for the T-hangar shall not be less than 200-amp single phase.

An allowance is included for each service for coordination with the utility company, including any work required to be performed by the Contractor. The Contractor shall provide paid invoices to support requests of payment from the allowances. The allowance at the box hangar shall cover all services required for both 2-unit box hangars.

Any work to be performed by the Contractor shall meet National Electric Code and the utility company standards.

SP-1-4.4 Gas Service. Gas service shall be coordinated with the local utility company based on the service size needed to support the as-furnished equipment for the hangar bay heating units.

METHOD OF MEASUREMENT

SP-1-5.1 Each two-unit box hangar will be measured by the Lump Sum. The 10-unit T-hangar will be measured by the Lump Sum.

SP-1-5.2 Water service installation shall be measured by the foot of pipe installed outside of 5-feet of the building shell.

SP-1-5.3 Sanitary service installation shall be measured by the foot of pipe installed outside of 5-feet of the building shell. Oil-water separators shall be measured for each unit installed.

SP-1-5.4 Electric service coordination and installation will be paid using an allowance. Supporting documentation of invoices paid shall be provided to the Owner for each payment request.

SP-1-5.5 Gas heaters installed for box hangar heating will be paid by the Lump Sum. Each Lump Sum shall include providing and installing gas fired heaters in both bays of each box hangar building, and coordinating individual gas service to each bay for each box hangar. Two lump sums are provided, one to support each individual box hangar building. Supporting documentation of invoices paid shall be provided to the Owner for each payment request for reimbursement of expenses incurred by the Contractor in support of coordinating and installing the required gas services.

BASIS OF PAYMENT

SP-1-6.1 Payment for a 2-unit box hangar shall be made at the Lump Sum price. The price shall be full compensation for all work required for the final design, permitting, procurement, erection, and outfitting as shown in the Plans and in accordance with the Ohio Building Code, local ordinances, and the Fairfield County Airport Minimum Standards. Any work outside the exterior wall to a distance of 5-feet shall be considered included in this Lump Sum price.

SP-1-6.2 Payment for a 10-unit T-hangar shall be made at the Lump Sum price. The price shall be full compensation for all work required for the final design, permitting, procurement, erection, and outfitting as shown in the Plans and in accordance with the Ohio Building Code, local ordinances, and the Fairfield County Airport Minimum Standards. Any work outside the exterior wall to a distance of 5-feet shall be considered included in this Lump Sum price.

SP-1-6.3 Payment for water service shall be made by the linear foot. The price shall be full compensation for all utility company coordination, excavation, materials, pipe installation, backfill and compaction, and any other incidentals required for a working service in conformance with Fairfield County Utility Department standards. Permitting and tapping fees shall be reimbursed to the Contractor by the Owner. Valves, curb stops, corporation stops, etc. required by the utility company shall be included in the cost of the water service installation.

SP-1-6.4 Payment for sewer service shall be made by the linear foot. The price shall be full compensation for all utility company coordination, excavation, materials, pipe installation, backfill and compaction, and any other incidentals required for a working service in conformance with Fairfield County Utility Department standards. Permitting and tapping fees shall be reimbursed to the Contractor by the Owner. Oil-water separators shall be paid at the contract unit price per each.

SP-1-6.5 Electric service coordination and installation activities will be reimbursed to the Contractor through an Allowance. An allowance is included for the electric service installation at the box hangars site and for the T-hangar site.

SP-1-6.6 Payment gas heating for the the box hangar bays shall be made at the Lump Sum price. The price shall be full compensation for all work required for the final design, permitting, procurement, and installation of properly sized gas fired heaters for both bays of each box hangar building. Also included shall be any costs to be borne by the Contractor for coordinating the installation of the required gas service with the utility company.

Payment will be made under:

Item SP-1-6.1	2-Unit 60' x 60' Box Hangar – per Lump Sum
Item SP-1-6.2	10-Unit T-Hangar – per Lump Sum
Item SP-1-6.3	6" PVC Sanitary Service – per linear foot
Item SP-1-6.4	Oil Water Separator – per each
Item SP-1-6.5	2" HDPE 3408 Waterline – per linear foot
Item SP-1-6.6	Electric Service – by Allowance
Item SP-2	Gas Heating for Box Hangars, 2 Bays – per Lump Sum

REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

Ohio Building Code, Latest Version

Fairfield County Airport Minimum Standards

END ITEM SP-1

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CONSULTANTS

FOR BID
MARCH 12, 2024

HANGAR DEVELOPMENT

OWNER



FAIRFIELD COUNTY AIRPORT
AUTHORITY
FAIRFIELD COUNTY AIRPORT
CARROLL, OHIO

3/22/24 ADDENDUM 1

MARK DATE DESCRIPTION

AIP PROJECT NO: N/A
STATE PROJECT NO: N/A
CMT PROJECT NO: 23005491.00
CAD DWG FILE: 1 - COVER.DWG
DESIGNED BY: CMT
DRAWN BY: CCS
CHECKED BY: SMS
APPROVED BY: SMS
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SHEET TITLE

INDEX TO SHEETS
AND SUMMARY OF
QUANTITIES

10-UNIT T HANGAR

NO.	SPEC	DESCRIPTION	UNIT	QUANTITY
1	C-102	SILT FENCE	LFT	550
2	C-102	INLET PROTECTION	EA	4
3	P-101	EXISTING PAVEMENT REMOVAL	SY	4,250
4	P-101	REMOVE 18" STORMWATER RCP	LFT	195
5	P-101	REMOVAL OF CATCH BASINS/INLETS/MANHOLES	EA	2
6	P-101	REMOVE ABANDONED ELECTRICAL CONDUIT	LFT	370
7	P-101	REMOVE ABANDONED SANITARY PIPES	LFT	340
8	P-101	REMOVE AIRFIELD TIE DOWNS	EA	46
9	P-152	UNCLASSIFIED EXCAVATION	CYD	130
10	P-209	VARIABLE DEPTH CRUSHED AGGREGATE BASE COURSE	CYD	115
11	P-209	CRUSHED AGGREGATE BASE COURSE, 8"	SYD	1,060
12	P-403	ASPHALT MIX PAVEMENT SURFACE COURSE	TON	400
13	P-403	ASPHALT MIX PAVEMENT BASE COURSE	TON	400
14	P-602	EMULSIFIED ASPHALT PRIME COAT	GAL	850
15	P-603	EMULSIFIED ASPHALT TACK COAT	GAL	200
16	P-605	SAW AND SEAL JOINT	LFT	380
17	P-620	PAVEMENT MARKING	SFT	550
18	P-620	TEMPORARY PAVEMENT MARKING	SFT	550
19	P-620	PAVEMENT MARKING REMOVAL	SFT	100
20	D-701	15" RCP, CLASS IV	LFT	80
21	D-701	18" RCP, CLASS IV	LFT	260
22	D-751	CATCH BASIN	EA	3
23	D-751	MANHOLE	EA	1
24	T-901	SEEDING	ACRE	1
25	T-905	TOPSOIL	CYD	810
26	T-908	MULCHING	SYD	5,000
27	SP-1	10 UNIT T-HANGAR	LS	1
28	SP-1	6" PVC SANITARY SERVICE	LFT	500
29	SP-1	2" HIGH DENSITY POLYETHYLENE 3408 WATERLINE	LFT	440
30	SP-1	ELECTRICAL SERVICE INSTALLATION	ALLOW	1

BOX HANGARS

NO.	SPEC	DESCRIPTION	UNIT	QUANTITY
1	C-102	SILT FENCE	LFT	1,100
2	C-102	INLET PROTECTION	EA	6
3	C-105	MOBILIZATION	LS	1
4	P-101	EXISTING PAVEMENT REMOVAL	SY	70
5	P-101	FENCE REMOVAL	LFT	60
6	P-101	REMOVE 15" STORMWATER RCP	LFT	215
7	P-152	UNCLASSIFIED EXCAVATION	CYD	1,100
8	P-209	CRUSHED AGGREGATE BASE COURSE, 8"	SYD	2,000
9	P-209	CRUSHED AGGREGATE BASE COURSE, ODOT 304, 18"	SYD	2,450
10	P-403	ASPHALT MIX PAVEMENT SURFACE COURSE	TON	200
11	P-403	ASPHALT MIX PAVEMENT BASE COURSE	TON	300
12	P-602	EMULSIFIED ASPHALT PRIME COAT	GAL	400
13	P-603	EMULSIFIED ASPHALT TACK COAT	GAL	100
14	P-605	SAW AND SEAL JOINT	LFT	290
15	P-620	PAVEMENT MARKING	LFT	1,000
16	P-620	TEMPORARY PAVEMENT MARKING	LFT	1,000
17	D-701	6" PVC STORM SEWER	LFT	10
18	D-701	8" DUCTILE IRON PIPE FOR STORM SEWER	LFT	90
19	D-701	15" RCP, CLASS IV	LFT	65
20	D-701	18" RCP, CLASS IV	LFT	310
21	D-751	CATCH BASIN	EA	3
22	D-751	MANHOLE	EA	1
23	D-751	PRECAST CONCRETE FLARED END SECTION, 15"	EA	1
24	D-751	PRECAST CONCRETE FLARED END SECTION, 18"	EA	1
25	D-751	PRECAST CONCRETE FLARED END SECTION, FOR 2-8" DIP	EA	2
26	F-162	6' CHAIN-LINK FENCE WITH 3 STRANDS BARBED WIRE	LFT	675
27	F-162	PEDESTRIAN GATE	EA	4
28	T-901	SEEDING	ACRE	1
29	T-905	TOPSOIL, OBTAINED ON SITE	CYD	660
30	T-908	MULCHING	SYD	5,000
31	SP-1	2-UNIT 60x60' BOX HANGAR, COMPLETE	LS	2
32	SP-1	6" PVC SANITARY SERVICE	LFT	200
33	SP-1	OIL WATER SEPARATOR	EA	4
34	SP-1	2" HIGH DENSITY POLYETHYLENE 3408 WATERLINE	LFT	450
35	SP-1	ELECTRIC SERVICE	ALLOW	1

BOX HANGARS, ADDITIVE ALTERNATE 1

No.	Spec	DESCRIPTION	UNIT	QUANTITY
AA-1	SP-2	GAS HEATING FOR BOX HANGARS, 2 BAYS	LS	2

SHEET INDEX

Sheet Number	Sheet Title
1	COVER
2	INDEX TO SHEETS AND SUMMARY OF QUANTITIES
3	CONSTRUCTION ACTIVITIES PLAN
4	GENERAL NOTES
5	EROSION CONTROL BOX HANGAR
6	EROSION CONTROL T-HANGAR
7	EROSION CONTROL DETAILS
8	BOX HANGAR EXISTING CONDITIONS
9	T-HANGAR EXISTING CONDITIONS
10	BOX HANGAR DEMOLITION PLAN
11	T-HANGAR DEMOLITION PLAN
12	BOX HANGAR SITE PLAN
13	T-HANGAR SITE PLAN
14	PAVEMENT DETAILS 1
15	PAVEMENT DETAILS 2
16	BOX HANGAR FENCING PLAN
17	FENCING DETAILS
18	BOX HANGAR PAVEMENT MARKING
19	T-HANGAR PAVEMENT MARKING
20	BOX HANGAR GRADING PLAN
21	T-HANGAR GRADING PLAN
22	BOX HANGAR DRAINAGE PLAN
23	T-HANGAR DRAINAGE PLAN
24	BOX HANGAR STORMWATER PIPE PROFILES
25	T HANGAR STORMWATER PIPE PROFILES
26	STORM DETAILS 1
27	STORM DETAILS 2
28	STORM DETAILS 3
29	BOX HANGAR UTILITY PLAN
30	T-HANGAR UTILITY PLAN
31	BOX HANGAR DRAINAGE PROFILES AND SCHEDULES
32	T-HANGAR DRAINAGE PROFILES AND SCHEDULES
33	UTILITY DETAILS 1
34	UTILITY DETAILS 2
35	BOX HANGAR G-001
36	BOX HANGAR A-001
37	BOX HANGAR A-002
38	BOX HANGAR A-100
39	T-HANGAR G-001
40	T-HANGAR A-001
41	T-HANGAR A-002
42	T-HANGAR A-100
43	BOX HANGAR ELECTRICAL PLAN
44	T- HANGAR ELECTRICAL PLAN
45	BOX HANGAR MECHANICAL AND PLUMBING PLAN
46	T- HANGAR MECHANICAL AND PLUMBING PLAN
47	BOX HANGAR BORING LOCATIONS
48	T-HANGAR BORING LOCATIONS
49	BORING LOGS 1
50	BORING LOGS 2
51	BORING LOGS 3

FOR BID
 MARCH 12, 2024

HANGAR DEVELOPMENT

OWNER


 FAIRFIELD COUNTY AIRPORT
 AUTHORITY
 FAIRFIELD COUNTY AIRPORT
 CARROLL, OHIO

3/22/24 ADDENDUM 1

MARK DATE DESCRIPTION

AIP PROJECT NO:	N/A
STATE PROJECT NO:	N/A
CMT PROJECT NO:	23005491.00
CAD DWG FILE:	MECHANICAL AND PLUMBING PLAN.DWG
DESIGNED BY:	MZA
DRAWN BY:	MZA
CHECKED BY:	SMS
APPROVED BY:	BEC
COPYRIGHT:	

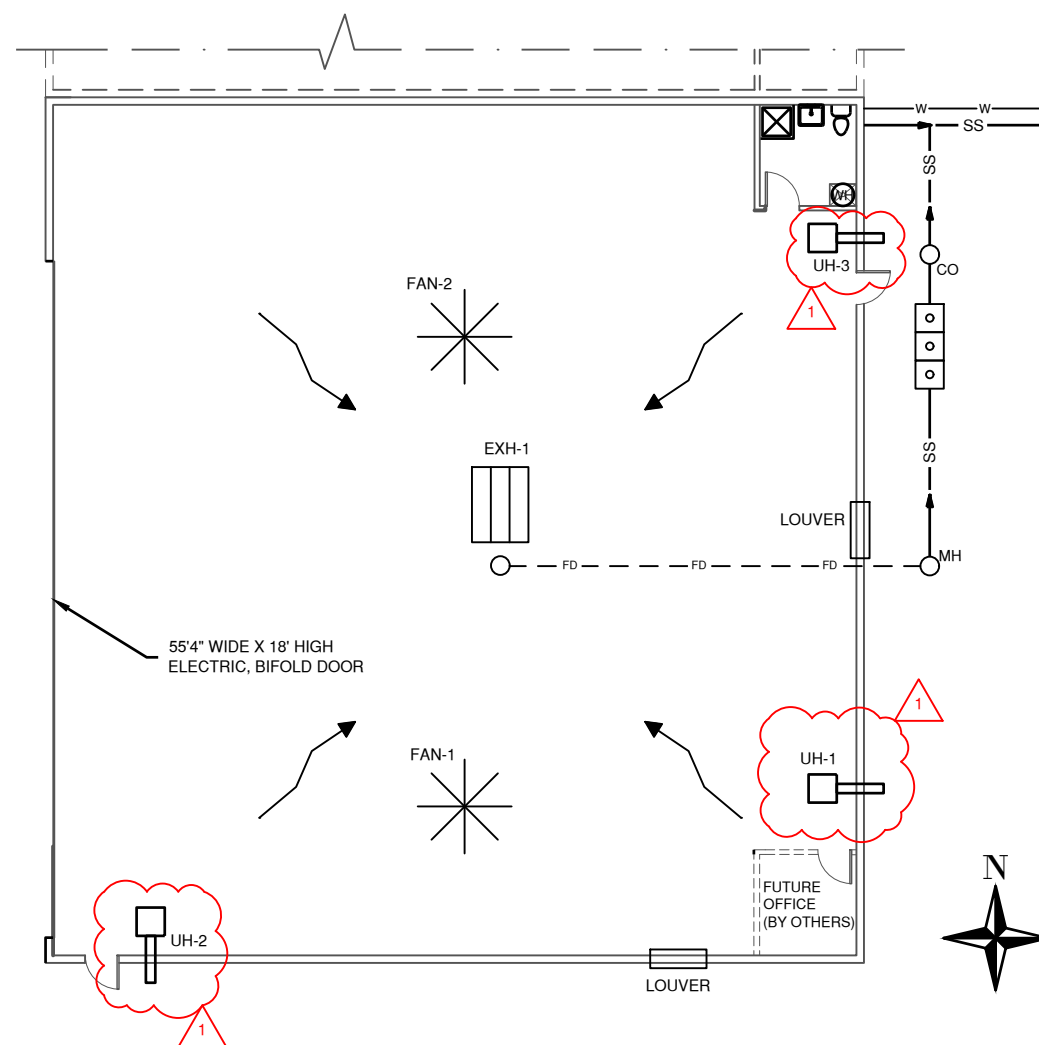
SHEET TITLE

 BOX HANGAR
 MECHANICAL AND
 PLUMBING PLAN

SHEET 45 OF 51

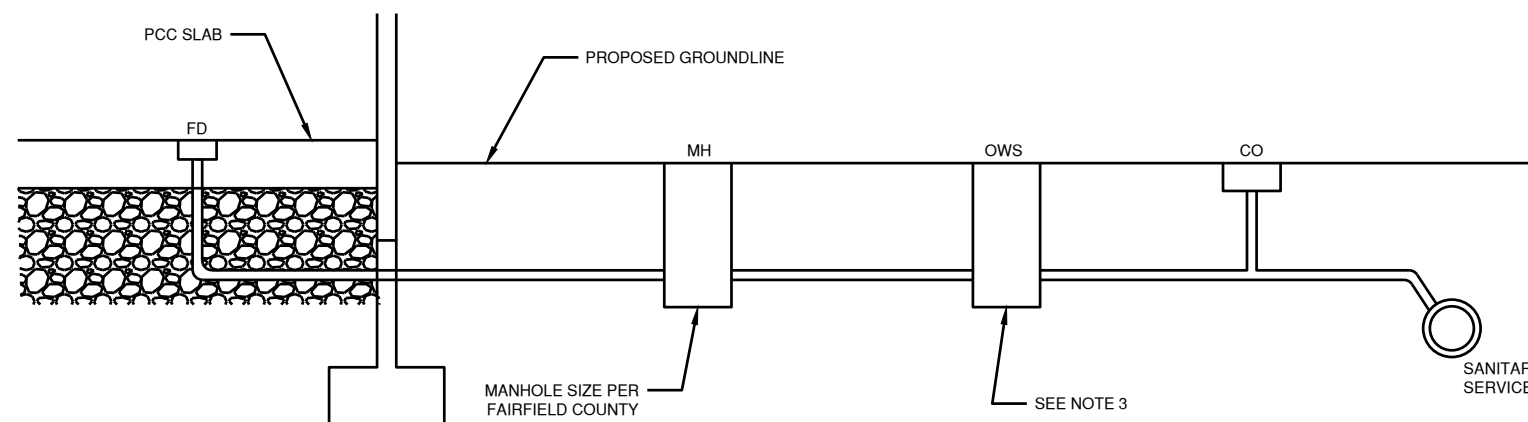
NOTES

- CONTRACTOR TO PROVIDE AND INSTALL ALL APPLIANCES AND AMENITIES NOTED. ALL WORK TO BE COMPLETED IN ACCORDANCE WITH THE LATEST APPLICABLE CODES AND STANDARDS.
- CONTRACTOR SHALL PROVIDE AND INSTALL 2" DOMESTIC WATER SERVICE PER FAIRFIELD COUNTY STANDARDS. ALL VALVES, CORPORATION STOPS, METER PITS OR OTHER EQUIPMENT AS REQUIRED BY THE FAIRFIELD COUNTY SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR. ALL TAPPING FEES, PERMIT FEES AND INSPECTION FEES SHALL BE PAID BY THE CONTRACTOR.
- SANITARY SEWER SERVICE SHALL BE MINIMUM 6-INCH PER THE FAIRFIELD COUNTY STANDARDS. A THREE CHAMBER OIL/WATER SEPARATOR PROVIDING MINIMUM 23 CF EACH CHAMBER BELOW THE WATER LEVEL INLET WITH AN 18-INCH WATER SEAL, VENTED AND TRAPPED, SHALL BE CONNECTED TO THE FLOOR DRAIN. CLEANOUTS SHALL ALSO BE PROVIDED AS SHOWN. ALL TAPPING FEES, PERMIT FEES AND INSPECTION FEES SHALL BE PAID BY THE CONTRACTOR.
- THE RESTROOM SHALL HAVE A SINK, TANK OR TANKLESS TOILET AND A MOP SINK. A SLOP SINK SHALL ALSO BE PROVIDED AS INDICATED ON THE FLOOR PLAN, SEE SHEET A101.
- ONE (1) 10-GALLON ELECTRIC WATER HEATER SHALL BE PROVIDED FOR DOMESTIC WATER. WATER HEATER SHALL BE INSTALLED IN THE RESTROOM, MOUNTED ON SHELF. HEIGHT OF SHELF PER ALLOWABLE CODE.
- AN ELECTRIC WALL UNIT HEATER SHALL BE PROVIDED IN THE RESTROOM.
- AN EXHAUST FAN AND TWO LOUVERS SHALL BE PROVIDED AND INSTALLED. THE EXHAUST FAN SHALL BE MINIMUM 5,000 CFM AND SHALL BE CONNECTED TO A CARBON MONOXIDE SENSOR AND A NITROUS OXIDE SENSOR. THE FAN SHALL HAVE CONTROLS CAPABLE OF BEING REACHED AT GROUND LEVEL WITH ON AND AUTO SELECTION SWITCH.
- TWO (2) 6-FOOT DESTRATIFICATION FANS SHALL BE MOUNTED FROM THE CEILING AND CONNECTED TO A WALL SWITCH. A DEDICATED SWITCH SHALL BE PROVIDED FOR EACH FAN.
- A 150 CFM EXHAUST FAN SHALL BE PROVIDED AND INSTALLED IN THE RESTROOM, CONNECTED TO THE LIGHT SWITCH.
- THIS PLAN IS SCHEMATIC IN NATURE. CONTRACTOR RESPONSIBLE FOR FINAL DESIGN BASED ON THE EQUIPMENT TO BE PROVIDED.
- SLOPE FLOOR TO DRAIN, MINIMUM 0.25% TO MAXIMUM 0.50%.
- SUPPLY FIRE EXTINGUISHER AND CABINET PER LOCAL JURISDICTION.
- SCHEMATIC SHOWN FOR ONE UNIT OF THE TWO-UNIT BOX HANGER. EACH UNIT SHALL BE SUPPLIED WITH THE SAME EQUIPMENT AND AMENITIES.
- SEE SITE PLANS FOR UTILITY CONNECTIONS.
- THREE (3) UNIT HEATERS, CEILING MOUNTED, 30,000 BTU MINIMUM EACH, SHALL BE PROVIDED AND INSTALLED, CONNECTED TO INDIVIDUAL THERMOSTATS. AT THE CONTRACTOR'S OPTION, RADIANT HEAT TUBES MAY BE USED IN LIEU OF UNIT HEATERS.
- CONTRACTOR TO COORDINATE GAS SERVICE WITH THE UTILITY BASED ON EQUIPMENT TO BE PROVIDED.



NOMENCLATURE

- EXH - # EXHAUST FAN, MIN 5,000 CFM
- LOUVER WALL MOUNTED LOUVER, INTERCONNECTED WITH EXHAUST FAN, 2 EACH
- FAN - # DESTRATIFICATION FAN, 6-FOOT DIAMETER
- (WH) WATER HEATER - ELECTRIC, SEE NOTE 5
- CO CLEANOUT
- SS- SANITARY SEWER
- W- DOMESTIC WATER SERVICE
- FD- FLOOR DRAIN
- (MH) MANHOLE - 6" DIAMETER W/24" CLOSED LID STAMPED "SANITARY"


 FLOOR DRAIN DETAILS
 N.T.S.


Schedule of Prices

No.	Spec	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
BOX HANGARS						
GENERAL CONSTRUCTION ITEMS						
1	C-102	SILT FENCE	LFT	1100		
2	C-102	INLET PROTECTION	EA	6		
3	C-105	MOBILIZATION	LS	1		
SITE WORK AND DEMOLITION						
4	P-101	EXISTING PAVEMENT REMOVAL	SY	70		
5	P-101	FENCE REMOVAL	LFT	60		
6	P-101	REMOVE 15" STORMWATER RCP	LFT	215		
7	P-152	UNCLASSIFIED EXCAVATION	CYD	1100		
8	P-209	CRUSHED AGGREGATE BASE COURSE, 8"	SYD	2000		
9	P-209	CRUSHED AGGREGATE BASE COURSE, ODOT 304, 18"	SYD	2450		
FLEXIBLE PAVEMENT						
10	P-403	ASPHALT MIX PAVEMENT SURFACE COURSE	TON	200		
11	P-403	ASPHALT MIX PAVEMENT BASE COURSE	TON	300		
MISCELLANEOUS PAVEMENT ITEMS						
12	P-602	EMULSIFIED ASPHALT PRIME COAT	GAL	400		
13	P-603	EMULSIFIED ASPHALT TACK COAT	GAL	100		
14	P-605	SAW AND SEAL JOINT	LFT	290		
15	P-620	PAVEMENT MARKING	LFT	1000		
16	P-620	TEMPORARY PAVEMENT MARKING	LFT	1000		

No.	Spec	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
DRAINAGE						
17	D-701	6" PVC STORM SEWER	LFT	10		
18	D-701	8" DUCTILE IRON PIPE FOR STORM SEWER	LFT	90		
19	D-701	15" RCP, CLASS IV	LFT	65		
20	D-701	18" RCP, CLASS IV	LFT	310		
21	D-751	CATCH BASIN	EA	3		
22	D-751	MANHOLE	EA	1		
23	D-751	PRECAST CONCRETE FLARED END SECTION, 15"	EA	1		
24	D-751	PRECAST CONCRETE FLARED END SECTION, 18"	EA	1		
25	D-751	PRECAST CONCRETE FLARED END SECTION, FOR 2-8" DIP	EA	2		
FENCING						
26	F-162	6' CHAIN-LINK FENCE WITH 3 STRANDS BARBED WIRE	LFT	675		
27	F-162	PEDESTRIAN GATE	EA	4		
TURFING						
28	T-901	SEEDING	ACRE	1.0		
29	T-905	TOPSOIL, OBTAINED ON SITE	CYD	660		
30	T-908	MULCHING	SYD	5000		
BUILDING AND UTILITY CONSTRUCTION						
31	SP-1	2-UNIT 60'x60' BOX HANGAR, COMPLETE	LS	2		
32	SP-1	6" PVC SANITARY SERVICE	LFT	200		
33	SP-1	OIL WATER SEPARATOR	EA	4		
34	SP-1	2" HIGH DENSITY POLYETHYLENE 3408 WATERLINE	LFT	450		

No.	Spec	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
10 UNIT T-HANGAR						
GENERAL CONSTRUCTION ITEMS						
1	C-102	SILT FENCE	LFT	550		
2	C-102	INLET PROTECTION	EA	4		
SITE WORK AND DEMOLITION						
3	P-101	EXISTING PAVEMENT REMOVAL	SY	4250		
4	P-101	REMOVE 18" STORMWATER RCP	LFT	195		
5	P-101	REMOVAL OF CATCH BASINS/INLETS/MANHOLES	EA	2		
6	P-101	REMOVE ABANDONED ELECTRICAL CONDUIT	LFT	370		
7	P-101	REMOVE ABANDONED SANITARY PIPES	LFT	340		
8	P-101	REMOVE AIRFIELD TIE DOWNS	EA	46		
9	P-152	UNCLASSIFIED EXCAVATION	CYD	130		
10	P-209	VARIABLE DEPTH CRUSHED AGGREGATE BASE COURSE	CYD	115		
11	P-209	CRUSHED AGGREGATE BASE COURSE, 8"	SYD	1060		
FLEXIBLE PAVEMENT						
12	P-403	ASPHALT MIX PAVEMENT SURFACE COURSE	TON	400		
13	P-403	ASPHALT MIX PAVEMENT BASE COURSE	TON	400		
14	P-602	EMULSIFIED ASPHALT PRIME COAT	GAL	850		
15	P-603	EMULSIFIED ASPHALT TACK COAT	GAL	200		
16	P-605	SAW AND SEAL JOINT	LFT	380		

No.	Spec	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
PAVEMENT MARKING						
17	P-620	PAVEMENT MARKING	SFT	550		
18	P-620	TEMPORARY PAVEMENT MARKING	SFT	550		
19	P-620	PAVEMENT MARKING REMOVAL	SFT	100		
DRAINAGE						
20	D-701	15" RCP, CLASS IV	LFT	80		
21	D-701	18" RCP, CLASS IV	LFT	260		
22	D-751	CATCH BASIN	EA	3		
23	D-751	MANHOLE	EA	1		
TURFING						
24	T-901	SEEDING	ACRE	1.0		
25	T-905	TOPSOIL	CYD	810		
26	T-908	MULCHING	SYD	5000		
BUILDING AND UTILITY CONSTRUCTION						
27	SP-1	10 UNIT T-HANGAR. COMPLETE	LS	1		
28	SP-1	6" PVC SANITARY SERVICE	LFT	500		
29	SP-1	2" HIGH DENSITY POLYETHYLENE 3408 WATERLINE	LFT	440		
30	SP-1	ELECTRICAL SERVICE INSTALLATION	ALLOW	1		

TOTAL BASE BID (IN NUMERALS): _____

TOTAL BASE BID (IN WORDS): _____

No.	Spec	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
BOX HANGARS – ADDITIVE ALTERNATE 1						
GENERAL CONSTRUCTION ITEMS						
AA-1	SP-2	GAS HEATING FOR BAX HANGARS, 2 BAYS	LS	2		

TOTAL ADDITIVE ALTERNATE 1 (IN NUMERALS): _____

TOTAL ADDITIVE ALTERNATE 1 (IN WORDS): _____

BIDDER NAME: _____