CITY OF PANAMA CITY BEACH
June 3, 2026

ADDENDUM NO. 2

PCB26-16 POLICE K-9 TRAINING FACILITY

Notice to Bidders – Whenever a conflict appears between this addendum and the initial solicitation, or plans, this addendum shall prevail, and as such shall constitute a binding portion of the contract documents. All provisions of the original specifications shall remain in force, except as specifically modified or changed herein.

Additions, Deletions, and/or Clarifications: This addendum forms a part of the Contract Documents and modifies the original solicitation documents as noted below and supersedes all contrary information and requirements. Bidders shall acknowledge receipt of this Addendum.

QUESTIONS:

1. Will an extension of the opening date and time be granted?

   A. The City will not be extending the opening date and time for the bid.

2. A4.1 South Elevation identifies 10" building letters and shows both the PCB Beach Logo and PCB PD Logo. There appear to be discrepancies in the required exterior signage sizing between the drawings and specifications.
   a. A4.1 appears to indicate a 48" PCB Beach Logo and a 36" PCB PD Logo, while the technical specifications indicate a 60" diameter PCB Beach Logo and a 24" diameter Police PD Logo.
   b. Please confirm the required sizes for all exterior signage, including building letters, PCB Beach Logo, and PCB PD Logo.

   A. The exterior elevations are correct. The City of Panama City Beach logo is to be 4’-0” in diameter and the Panama City Beach Police Department Logo is to be 3’-0” in diameter.

3. Additionally, the documents reference a metal plaque, but no details or location appear to be provided. Please confirm the required plaque size, material/finish, contour/profile, mounting method, and installation location.

   A. The building Plaque is described in the specifications section 10 14 00 paragraph 2.04. The location will need to be coordinated with the Owner prior to installation. For size and content see attached Building Plaque elevation.

4. Can you provide additional information regarding the grinder station, it is not reflected on the electrical plans.

   A. See attached Revised Electrical drawings E1.1, E6.2, & E7.1.

5. Specs call for all frames, interior and exterior to be knock down configuration. With the wall types consisting of CMU block and exteriors requiring PSF impact ratings shouldn't these be welded with EOA anchor preps? Please confirm.

   A. The welded frames would be preferred.

6. Is the end user going to supply the permanent SFIC cores or the hardware sub?

   A. The Hardware sub will be providing the cores.

7. Will the services of a DHT and DHC be acceptable in lieu of an AHC (architectural hardware consultant)?

   A. A DHC may be utilized if the contractor chooses, noting that any issues that may arise due to lack of AHC certification will be the contractor's responsibility.

8. Is Sargent 10X and 8200 series an acceptable manufacturer in lieu of BEST 9K and 45H locksets ?

   A. The Sargent series 8200 series will be acceptable, provided the hardware can be supplied with Best Cylinders.

9. Is securiton an acceptable manufacturer in lieu of precision?

   A. No

10. Is McKinney or Hager an acceptable manufacturer for continuous hinges in lieu of Best, NGP, or ABH?

    A. Mckinney and Hagar are acceptable provided the substituted hinges are equal quality.

11. Is Sargent an acceptable manufacturer for exit devices in lieu of securitech?

    A. Sargent is acceptable provided the substituted exit devices are equal in quality and function.

12. Is Sargent an acceptable manufacturer for door closers in lieu of Best, Dorma, or LCN?

    A. Sargent is acceptable provided the substituted door closers are equal in quality and function.

13. Is Pemko an acceptable manufacturer for sweeps, gasketing, and thresholds in lieu of NGP, Reese, or KN Crowder?

    A. Pemko is acceptable provided the substituted items are equal in quality and function to what is specified.

14. Please provide wind load pressure for exterior walls.

    A. Wind Loads for walls are on sheet S0.2.

15. Is the “Poured Epoxy Floor” called for in the finish schedule on A1.1A the same product as the “High-Performance Coatings” in 09 96 00 of the specs, or should there be a separate Epoxy Floor spec?

    A. See attached Specification sectio 09 60 00 – Resinous Flooring.

16. Detail WC-1 on sheet S3.2 shows a flange beam. Sheet S2.1 shows it for an HSS8X4X1X1/4 tube. Which is correct? If the flange beam, what size is this beam?

    A. See attached revised structural drawing S2.1and referenced sections. (Beam is to be W12x 26)

17. Looking at the security systems – Access control system shows to be compatible with Lenel S2 – is that for the Netbox, or OnGuard version? Can the owner provide the existing system dongle?

    A. It is the Netbox Version. The system dongles must be compatible with that system

18. In Section 01 77 00 Closeout Procedures, Part 1.07 Project As-Built Drawings: **The Contractor shall, at his own expense, hire the Architect of Record to prepare as-built drawings.** Can you ask architect to provide an estimate for these services?

    A. Contractor to provide complete marked up record copy of as-built drawings in hard copy and PDF format and this will not be required to hire the architect of record to prepare the as-built drawings.

19. Pertaining to the Fire Alarm Plans – Page 5 shows that the building will use a voice evacuation system, but page 60 shows the building will not use voice evacuation. Please advise.

    A. Voice Evacuation system will not be utilized in this project.

20. On sheet A1.1, please confirm if the fencing shown between the kennel gates at the interior wall locations is intended to match the 10' chain link fencing indicated for the exterior dog run.

    A. See details 1, 2, 3, and 4 on sheet A10.1. Also see section 1/A6.1.

21. What size gate opening is needed for the gate kennels?

    A. Gate size will be determined by wall locations see 1/A10.1 and floor plan on sheet A1.1B.

22. On Sheet A0.1 it indicates 10' chain link fence with barbed wire. There is one dividing run where it just says 10" chain link fence, does that also get barbed wire?

    A. No, the fence that divides fenced training area 1 from fenced training area 2 does not have barbed wire on the top of the fence.

23. On sheet A0.1, covered fence/sallyport, where it indicates 12' cantilever gate. Is this a 12' opening? What is the heigh for this cantilever gate?
    A. The cantilever gate is the same 10'-0" height with barbed wire angled in like the fence adjacent to it.

24. In the specifications it says "install slats where noted". Plans do not indicate, please clarify.

    A. Assuming the question is pertaining to the fencing specifications, there are no slats required for any of the chain-link fencing on this project.

25. Will on site cut material be suitable for fill material on any portion of the project?

    A. Yes site cut material that is suitable to be used as fill can be used in site areas not under pavement , buildings or sidewalks.

26. Where is drain pipe 7 located on the plans and what is its purpose?

    A. Drain pipe 7 is for a stormwater pipe exiting the south side of the building and terminates into drain pipe 3.

27. Are there civil CAD files available?

    A. Yes, Cad files will be made available to successful bidder.

28. Will all the existing Beach Rental equipment at the facility be removed prior to the job starting?

    A. Any material left on the property upon commencement (Notice to Proceed) will be the responsibility of the contractor to remove and dispose of. Materials left on adjacent property are outside of the scope of this project. Contractor to coordinate relocation if obstructing work.

29. The geotechnical report indicated buried asphalt and concrete debris. Will a line item be added for removal and replacement of concrete/asphalt debris encountered while performing grade work, storm drainage or underground utilities?

    A. Any buried material, asphalt, concrete or debris will need to be removed as required to perform all work required to complete the project. Amounts indicated by the geotechnical report will be expected to be included in the base bid amount.

30. It appears that the parking lot striping is not thermoplastic. Please confirm.

    A. This is correct.

31. What is the total quantity of lockers needed?

    A. The quantity of lockers is indicated on sheet A1.1A. There will be 4 double tier lockers in each toilet. (That will be 4 units that are double tier so 8 lockers total in each toilet.)

32. The Fire Protection drawings appear to show sprinkler coverage beneath the exterior canopies. Please confirm whether sprinkler coverage is required at these locations. If coverage is required, would dry sidewall sprinklers fed from the wet system be acceptable in lieu of a dedicated dry pipe system? Please clarify the design intent.

    A. Yes it is required, And the intent is to use the dedicated dry pipe system. Sidewall sprinklers fed from the wet system will not be acceptable in this location.

33. Please confirm whether Builder's Risk Insurance is required and, if so, whether it is to be provided by the Contractor or Owner.

    A. Yes, Builders Risk is a requirement. Please see the attached revised insurance requirements. It is the responsibility of the Contractor to provide the proper insurance coverage; this includes the cost of said coverages.

34. Will the Contractor be responsible for utility costs during contraction (water, electric, etc.)?

    A. Specifications Section 00 10 00, paragraph 6.1 states as follows.
    It is understood that, except as otherwise specifically stated in the contract documents, the contractor shall provide and pay for all materials, labor, tools, equipment, water, light, power, transportation, supervision, temporary construction of any nature, and all other services and facilities of any nature whatsoever necessary to execute, complete and deliver the work within the contract time.

35. Please confirm whether the Contractor is responsible for any utility connection, tap, impact, or service fees associated with permanent electrical service.

    A. Yes Specification Section 26 05 00, paragraph 1.4.c states the Contractor shall include the electrical utility connection fee in the bid and carry an allowance of $25,000 per service if the fee is unknown.

36. Specification Section 26 05 00, Paragraph 1.4.C, states the Contractor shall include the electrical utility connection fee in the bid and carry an allowance of $25,000 per service if the fee is unknown. Please confirm the number of services anticipated and whether bidders are to include this allowance in their base bid.

    A. There will be one electrical utility connection required and yes, the $25,000 allowance is to be included in the base bid.

NOTE: The site is unlocked and available for site visits.

1'-6"

1'-9 1/2"

City of
Panama City Beach
K9 TRAINING FACILITY

Mayor
Stewart Tettemer

City Manager
Drew R. Whitman

City Council
Paul Casto
Ethan Register
Mary Coburn
Michael Jarman

Architect
JRA Architects, Inc.

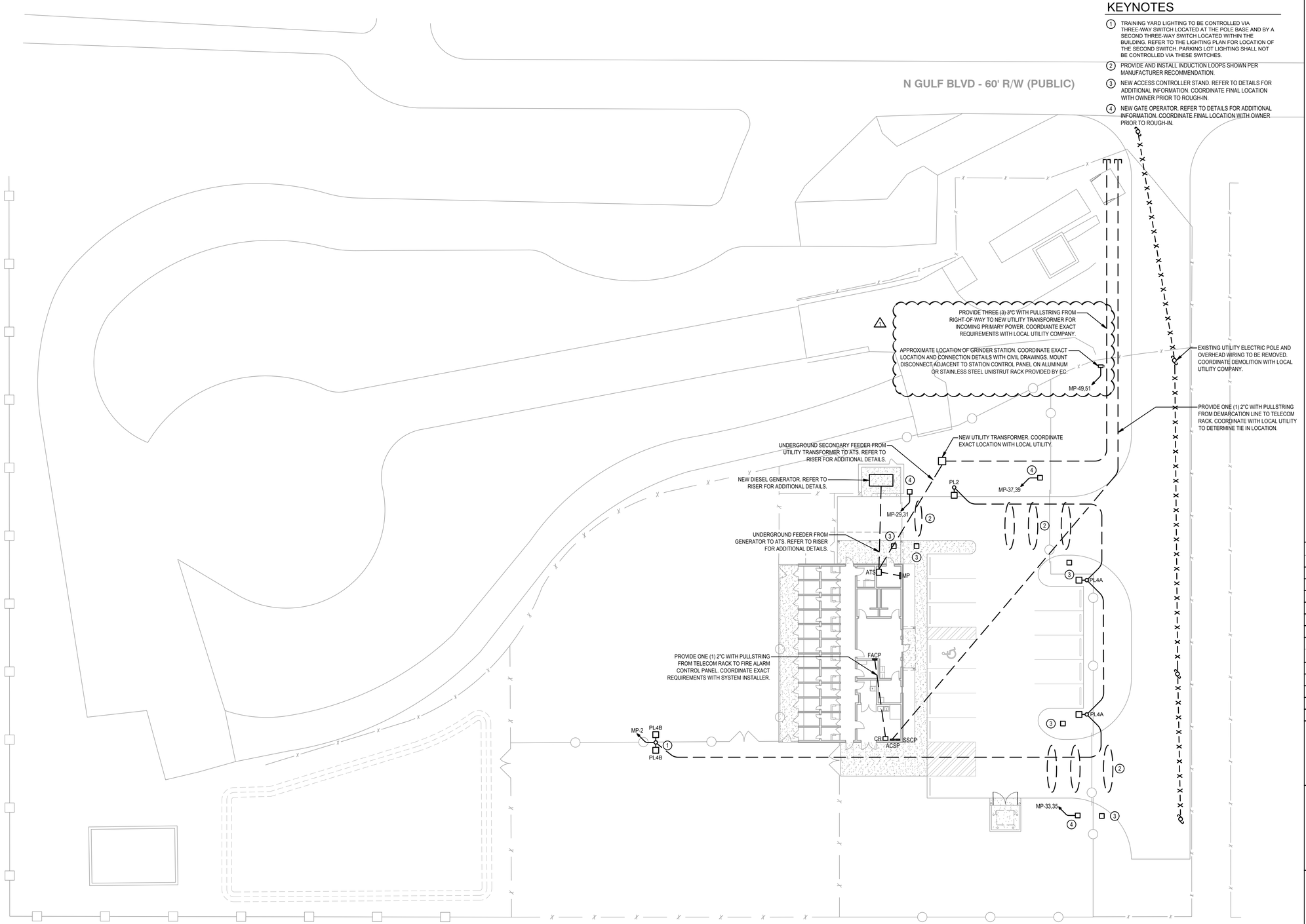
Contractor
Contractor Name 1
Contractor Name 2

Month 2026

BUILDING PLAQUE ELEVATION

KEYNOTES

1. TRAINING YARD LIGHTING TO BE CONTROLLED VIA THREE-WAY SWITCH LOCATED AT THE POLE BASE AND BY A SECOND THREE-WAY SWITCH LOCATED WITHIN THE BUILDING. REFER TO THE LIGHTING PLAN FOR LOCATION OF THE SECOND SWITCH. PARKING LOT LIGHTING SHALL NOT BE CONTROLLED VIA THESE SWITCHES.
2. PROVIDE AND INSTALL INDUCTION LOOPS SHOWN PER MANUFACTURER RECOMMENDATION.
3. NEW ACCESS CONTROLLER STAND. REFER TO DETAILS FOR ADDITIONAL INFORMATION. COORDINATE FINAL LOCATION WITH OWNER PRIOR TO ROUGH-IN.
4. NEW GATE OPERATOR. REFER TO DETAILS FOR ADDITIONAL INFORMATION. COORDINATE FINAL LOCATION WITH OWNER PRIOR TO ROUGH-IN.



NORTH

SITE PLAN - ELECTRICAL

SCALE: 1" = 20'-0"

0 10' 20' 40'

REVISIONS				
NO	DESCRIPTION	DRAWN	CHECKED	DATE
1	ADDENDUM 2			06/03/26

PHASE	DRAWN	CHECKED	DATE
PRE-SCHEMATIC DESIGN			01/06/25
SCHEMATIC DESIGN			01/31/25
DESIGN DEVELOPMENT			03/25/25
95% CONSTRUCTION DOCUMENTS			05/20/25
BID DOCUMENTS			06/17/25

JRA ARCHITECTS
2211 THOMAS DR. , STE 100
PANAMA CITY BEACH, FL
PHONE: (850) 236-9832
Commission Number: 24849

PROJECT:

POLICE K-9 TRAINING FACILITY FOR THE CITY OF PANAMA CITY BEACH

PANAMA CITY BEACH, FLORIDA

SHEET TITLE:

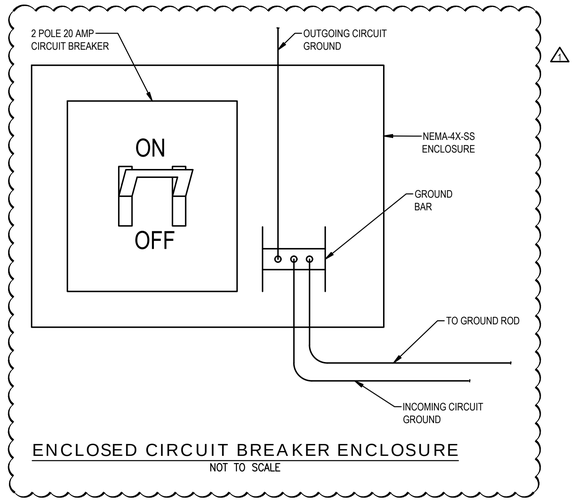
SITE PLAN - ELECTRICAL

SHEET NUMBER:

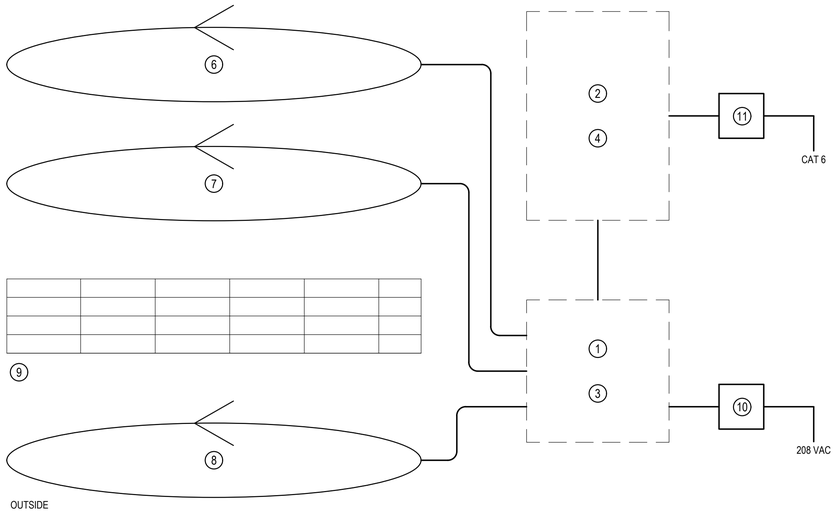
E1.1

HG ENGINEERS
HG Engineers
621 N Tyndall Pkwy, Suite C
Panama City, FL 32404
E-mail: office@hgengineers.com
Ph: 850.243.6723
Fl. Authorization No.00006680
Christopher A. Garick; FL. PE No.53924
Thomas A. Alexander; FL. PE No.73172
Daniel J. White; FL. PE No.73790
Caleb W. Leonard; FL. PE No.91782

25019 Job No.



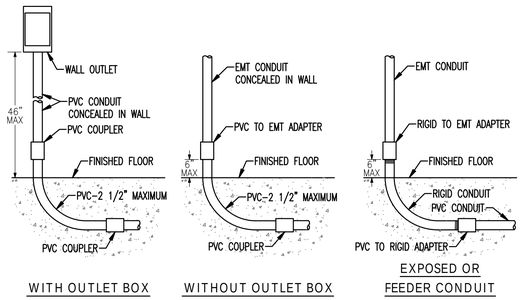
ENCLOSED CIRCUIT BREAKER ENCLOSURE
NOT TO SCALE



POWERED GATE SINGLE LINE DIAGRAM
NOT TO SCALE

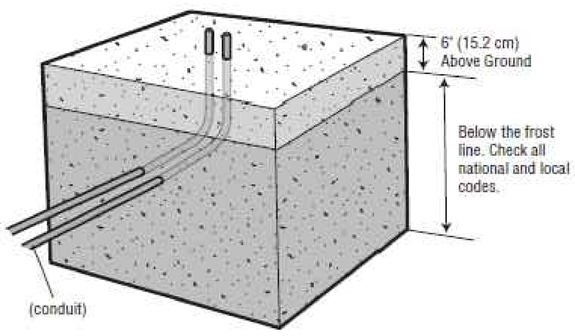
KEYNOTES

1. LIFTMASTER SL3000UL GATE OPERATOR. PROVIDE 208V POWER CONNECTION.
2. PEDESTAL-MOUNTED ACCESS CONTROL CARD READER WITH KEYPAD. COORDINATE INSTALLATION WITH ACCESS CONTROL SYSTEM INTEGRATOR.
3. PROVIDE MANUFACTURER RECOMMENDED CABLING TO CONNECT GATE OPERATOR WITH INDUCTION LOOPS.
4. PROVIDE MANUFACTURER RECOMMENDED CABLING TO CONNECT ACCESS CONTROLLER DEVICE WITH GATE OPERATOR.
5. PROVIDE MANUFACTURER RECOMMENDED CABLING TO CONNECT ACCESS CONTROLLER DEVICE WITH GATE OPERATOR.
6. INTERIOR EXIT INDUCTION LOOP. INSTALL PER MANUFACTURER RECOMMENDATIONS.
7. INTERIOR REVERSE INDUCTION LOOP. INSTALL PER MANUFACTURER REOMMENDATIONS.
8. EXTERIOR REVERSE INDUCTION LOOP. INSTALL PER MANUFACTURER RECOMMENDATIONS.
9. NEW CANTILEVER GATE.
10. ENCLOSED CIRCUIT BREAKER WITH SURGE PROTECTION FOR GATE OPERATOR. REFER TO ECB ENCLOSURE DETAIL FOR ADDITIONAL INFORMATION.
11. SURGE PROTECTION DEVICE FOR INCOMING CAT 6 CABLE. PROVIDE WITHIN 6' OF TERMINATION LOCATION.



WITH OUTLET BOX | WITHOUT OUTLET BOX | EXPOSED OR FEEDER CONDUIT

PVC STUB-UP DETAILS
NOT TO SCALE



GATE OPERATOR PAD DETAIL
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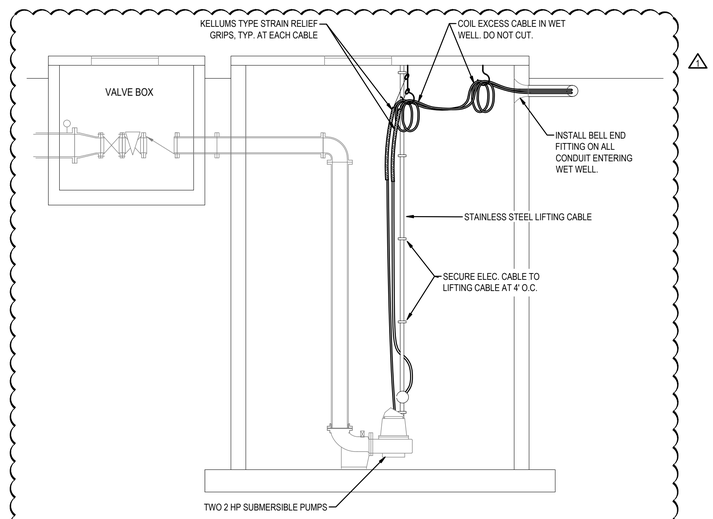
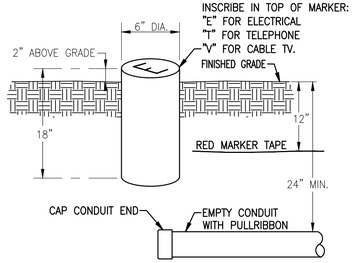


TYPICAL GRINDER STATION PUMP CONNECTION DETAIL
NOT TO SCALE

ELECTRICAL PULLBOX DETAIL
NOT TO SCALE



CONDUIT MARKER DETAIL
NOT TO SCALE

REVISIONS				
NO	DESCRIPTION	DRAWN	CHECKED	DATE
1	ADDENDUM 2			06/03/26

PHASE	DRAWN	CHECKED	DATE
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PROJECT:

POLICE K-9 TRAINING FACILITY FOR THE CITY OF PANAMA CITY BEACH

PANAMA CITY BEACH, FLORIDA

SHEET TITLE:

ELECTRICAL DETAILS

HG ENGINEERS
HG Engineers
621 N Tyndall Pkwy, Suite C
Panama City, FL 32404
E-mail: office@hgengineers.com
Ph: 850.243.6723
FL Authorization No.00006680
Christopher A. Garick; FL. PE No.53924
Thomas A. Alexander; FL. PE No.73172
Daniel J. White; FL. PE No.73790
Caleb W. Leonard; FL. PE No.91782

25019 Job No.

SHEET NUMBER:

E6.2

NEW POWER PANEL

MP

SYSTEM 208/120V 3Φ 4W
RATING 600A M.L.O. 22,000 AIC MINIMUM
ENCLOSURE NEMA 1 SURFACE MOUNT
OPTIONS BOLT ON BREAKERS

CKT #	SERVING	CKT BKR TRIP	CKT BKR POLE	CONNECTED LOAD (VA)		CKT BKR POLE	CKT BKR TRIP	SERVING	CKT #
1	LTG - BUILDING INTERIOR	20 A	1	1215	1427	1	20 A		2
3	LTG - BUILDING EXTERIOR	20 A	1	756	- - -	1	20 A		4
5	REC - CLASSROOM / KITCHEN	20 A	1	1080	500	1	20 A		6
7	REC - CLASSROOM / KITCHEN - MICROWAVE	20 A	1	1200	920	1	20 A		8
9	REC - CLASSROOM - DRINKING FOUNTAIN	20 A	1	370	540	1	20 A		10
11	REC - VET	20 A	1	1100	1080	1	20 A		12
13	REC - OFFICE	20 A	1	900	180	1	20 A		14
15	REC - DOG BATH, FOOD STORAGE	20 A	1	720	560	1	20 A		16
17	REC - STORAGE	20 A	1	740	540	1	20 A		18
19	REC - COMM RACK GENERAL POWER	20 A	1	600	- - -	1	20 A	SPARE	20
21	SPARE	20 A	1	- - -	- - -	1	20 A	SPARE	22
23	SPARE	20 A	1	- - -	- - -	1	20 A	SPARE	24
25	SPARE	20 A	1	- - -	- - -	1	20 A	SPARE	26
27	SPARE	20 A	1	- - -	- - -	1	20 A	SPARE	28
29	SPARE	20 A	1	- - -	1000	1	20 A	REC - GRAP	30
31	AIR COMPRESSOR	20 A	1 **	- - -	1000	1 *	20 A	REC - FACP	32
33	VACUUM	15 A	1 **	- - -	1000	1	20 A	REC - ACSP	34
35	CP-1	15 A	1	- - -	1000	1	20 A	REC - SSCP	36
37	GATE OPERATOR #1 - EAST ENTRY	20 A	2	1920	1400	1	20 A	REC - FOOD STORAGE - DISHWASHER	38
39					1400	1	20 A	REC - STORAGE - WASHER	40
41	GATE OPERATOR #2 - WEST EXIT	20 A	2	1920	1920	1	20 A	REC - COMM RACK UPS #1	42
43					1920	1	20 A	REC - COMM RACK UPS #2	44
45	GATE OPERATOR #3 - SALLY PORT	20 A	2	1920	3300	2	20 A	REC - STORAGE - DRYER	46
47									48
49	GRINDER STATION	45 A	2	5992					50
51					10466	3	40 A	EXTRACTOR WASHER (FUTURE)	52
53	SPARE	20 A							54
55									56
57	AHU-1	40 A	3	8614	5620	3	20 A	ERV-1	58
59									60
61									62
63	HP-1	25 A	3	4842	10123	3	60 A	HP-2	64
65									66
67									68
69	EWH-1	35 A	3	9000	- - -	3	30 A	SURGE PROTECTIVE DEVICE (SPD)	70
71									72

TOTAL CONNECTED LOAD = 88787 VA / 360 = 246.6 A

NOTES:
* Provide "RED" breaker labeled "FIRE ALARM CIRCUIT", capable of being locked in the "ON" position. Per NFPA-70 - Article 760.121(B)
** Provide GFCI breaker to circuit.

MECHANICAL EQUIPMENT COORDINATION SCHEDULE

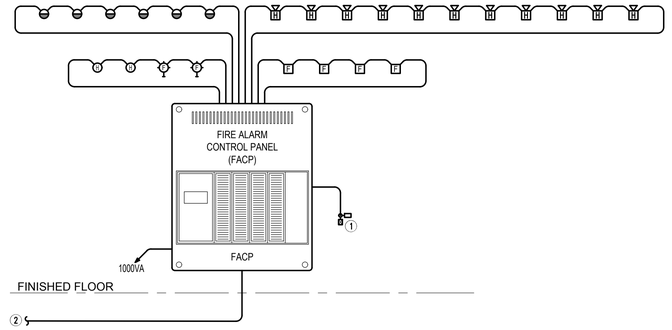
(VERIFY ALL EQUIPMENT CIRCUIT REQUIREMENTS WITH MANUFACTURERS SHOP DRAWINGS PRIOR TO ROUGH-IN)

EQUIPMENT DESIGNATION	DESCRIPTION	CFM	VOLT	Φ	ELECTRICAL LOAD: MOTOR(S) FLA QTY	LARGEST	SUM OF REMAINING	ELECTRIC HEAT KW	OTHER VA	TOTAL CONNECTED VA	PROTECTION: MCA	MOCP	SPECIFIED TRIP	SPECIFIED POLE	CONDUCTOR / CONDUIT SIZE: SETS	CONDUCTORS QTY.	SIZE	GND	CONDUIT	DISC.	REMARKS
AHU-1	AIR HANDLER UNIT (3/4 HP)	1245	208	3	1	6.8		7.2		8614	28.5	40	40	3	1	4	#8	#10	3/4"	PANEL BREAKER	
HP-1	HEAT PUMP	1245	208	3	2	12.8	0.64			4842	16.6	25	25	3	1	4	#10	#10	3/4"	30/3/4X-SS	
HP-2	HEAT PUMP		208	3	2	25.8	2.3			10123	36	60	60	3	1	4	#6	#10	1"	60/3/4X-SS	
ERV-1	ENERGY RECOVERY VENTILATOR (DUAL 2HP)	1145	208	3	2	7.8	7.8			5620	18.2	20	20	3	1	4	#12	#12	3/4"	30/3/1	
EF-1	EXHAUST FAN	78	120	1	1	0.17				20	0.2	15	20	1	1	2	#12	#12	3/4"	1P TOGGLE	EXHAUST FAN TO RECEIVE POWER AND CONTROL FROM LOCAL LIGHTING CIRCUIT.
EF-2	EXHAUST FAN	75	120	1	1	0.17				20	0.2	15	20	1	1	2	#12	#12	3/4"	1P TOGGLE	
EF-3	EXHAUST FAN	78	120	1	1	0.17				20	0.2	15	20	1	1	2	#12	#12	3/4"	1P TOGGLE	
EWH-1	ELECTRIC WATER HEATER		208	3				9		9000	25	35	35	3	1	4	#8	#10	3/4"	PANEL BREAKER	
CP-1	CIRCULATING PUMP		120	1	1	0.54				65	0.7	15	15	1	1	2	#12	#12	3/4"	PANEL BREAKER	
EWC-1	ELECTRIC WATER COOLER		120	1						370			20	1	1	2	#12	#12	3/4"	5-20R GFI	
	EXTRACTOR WASHER		208	3	2	6.12	1.28	7.8		10466	30.6	40	40	3	1	4	#8	#10	3/4"	15-50R	DUAL NON-CONTINUOUS 7.8 KW HEATING ELEMENTS
	VACUUM		120	1						1920		20	20	1	1	2	#12	#12	3/4"	1P TOGGLE	PROVIDE GFCI BREAKER
	AIR COMPRESSOR		120	1						960		10	15	1	1	2	#12	#12	3/4"	1P TOGGLE	PROVIDE GFCI BREAKER
	GATE OPERATOR (1 HP)		208	1	1	9.23				1920	10	20	20	1	1	3	#12	#12	3/4"	ENCLOSED BRKR	
	GRINDER STATION (2 x 2 HP)		208	1	2	12	12		1000	5992	31.8	45	45	2	1	3	#8	#10	3/4"	60/2/4X-SS	

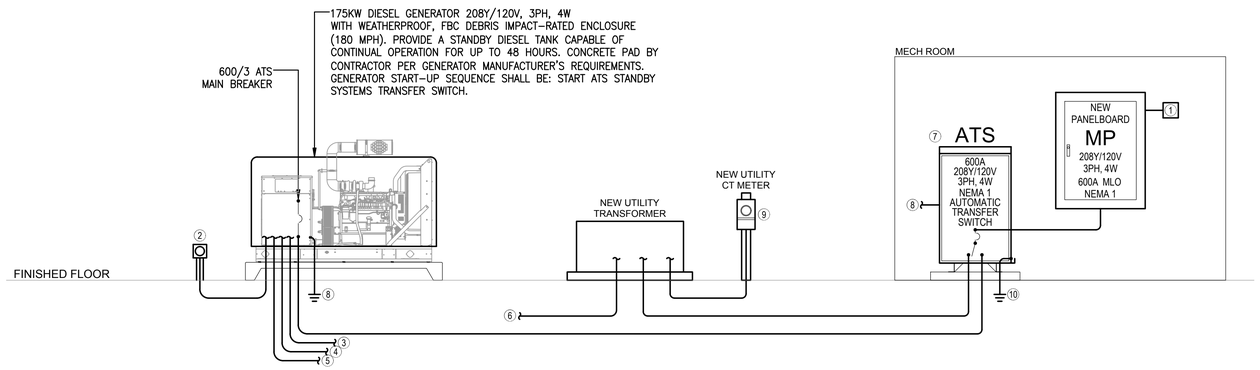
***** SPECIAL NOTE *****
PROVIDE 'LSI' TRIP UNITS FOR BREAKERS GREATER THAN OR EQUAL TO 200A.

FEEDER SCHEDULE

DESIGNATION (#)	EQUIPMENT NAME	FED FROM	BREAKER RATING	BREAKER POLES	PARALLEL RUNS	CONDUIT	PH + N CONDUCTOR	PHASE & GROUNDED(N) CONDUCTOR	EQUIPMENT GROUND CONDUCTOR	SUPPLY SIDE BONDING CONDUCTOR	MATERIAL
1	ATS	UTILITY XFMR	600	3	2	3"	4	350 KCMIL	N/A	N/A	CU
2	ATS	GENSET	600	3	2	3"	4	350 KCMIL	1 AWG	N/A	CU
3	MP	ATS	600	3	2	3"	4	350 KCMIL	1 AWG	N/A	CU



FIRE ALARM SYSTEM RISER
NOT TO SCALE



SINGLE LINE POWER RISER DIAGRAM
NOT TO SCALE

LEGEND

FIRE ALARM WIRING

FIRE ALARM RISER KEYNOTES

1. BUILDING SPRINKLER FLOW AND TAMPER SWITCH, VERIFY EXACT LOCATION AND QUANTITY WITH SPRINKLER CONTRACTOR.
2. PROVIDE GSM DIALER AND CAT6 DROP FOR DIALER COMMUNICATIONS.

FIRE ALARM RISER GENERAL NOTES

1. THIS DIAGRAM IS NOT INTENDED TO SHOW EXACT QUANTITIES OF DEVICES. REFER TO PLAN FOR DEVICE QUANTITIES AND LOCATIONS.
2. THE RISER REPRESENTS A TYPICAL SYSTEM AND IS NOT INTENDED FOR INSTALLATION, SYSTEM SUPPLIER SHALL PROVIDE INSTALLATION DRAWINGS AND WIRING DIAGRAMS.
3. PROVIDE ADDITIONAL MONITOR AND CONTROL MODULES AS RECOMMENDED BY THE SYSTEM SUPPLIER.
4. FIRE ALARM SYSTEM SHALL HAVE U.L. APPROVED DIGITAL ALARM DIALER/COMMUNICATOR TO SEND ALARM SIGNAL TO MONITORING SERVICE.
5. FIRE ALARM SYSTEM LOW VOLTAGE SOURCE AND BATTERY STAND-BY SHALL ENERGIZE ALL ITEMS IN FIRE ALARM SYSTEM THAT REQUIRE POWER.
6. REFER TO MECHANICAL DRAWINGS FOR SMOKE AND/OR SMOKE/FIRE DAMPER LOCATIONS. CONNECT TO FIRE ALARM SYSTEM AND TO 120V POWER.
7. VERIFY LOCATION AND QUANTITIES OF FLOW AND TAMPER SWITCHES WITH SPRINKLER CONTRACTOR.

POWER RISER KEYNOTES

1. INSTALL SURGE PROTECTION DEVICE (SPD) NEAREST NEUTRAL BAR WITH 4#10, 1#10G IN 3/4"C. LEAD LENGTH SHALL NOT EXCEED UL 1449 4TH EDITION TEST OF 14".
2. PROVIDE ONE (1) RUN OF 1"C WITH MANUFACTURER RECOMMENDED CABLING FROM GENERATOR LOCAL EMERGENCY STOP BUTTON. E-STOP BUTTON TO BE PROVIDED BY CONTRACTOR.
3. PROVIDE ONE (1) RUN OF 2#12, 1#12G IN 3/4"C FROM GENERATOR TO PANEL MP FOR THE GENERATOR BATTERY CHARGER.
4. PROVIDE ONE (1) RUN OF 3#10, 1#10G IN 3/4"C FROM GENERATOR TO PANEL MP FOR THE GENERATOR CRANKCASE HEATER.
5. PROVIDE ONE (1) RUN OF 1"C WITH MANUFACTURER RECOMMENDED CONTROL CABLING FROM GENERATOR TO ATS.
6. INSTALL THREE (3) 3" CONDUITS WITH PULL-STRING FROM RIGHT-OF-WAY TO NEW UTILITY TRANSFORMER FOR INCOMING PRIMARY POWER. COORDINATE EXACT REQUIREMENTS WITH UTILITY COMPANY.
7. PROVIDE AUTOMATIC TRANSFER SWITCH 'ATS' AS SERVICE ENTRANCE RATED, NEMA 1, 4 POLE, 208Y/120V, 3PH, 4W, 22K AIC MINIMUM." MAKE KEYNOTE #7 AND SHIFT ALL OTHERS DOWN ACCORDINGLY.
8. PROVIDE ONE (1) RUN OF 1"C WITH MANUFACTURER RECOMMENDED CABLING FROM GENERATOR ATS TO GENERATOR REMOTE ANNUNCIATOR PANEL (GRAP).
9. PROVIDE ONE (1) RUN OF 1"C WITH PULLSTRING FORM UTILITY TRANSFORMER SECONDARY TO CT METER. COORDINATE EXACT REQUIREMENTS WITH LOCAL UTILITY.
10. REFER TO GROUNDING DETAILS SHEET FOR ADDITIONAL INFORMATION.

REVISIONS

NO.	DESCRIPTION	DRAWN	CHECKED	DATE
1	ADDENDUM 2			06/03/26

PHASE	DRAWN	CHECKED	DATE
PRE-SCHEMATIC DESIGN			01/06/25
SCHEMATIC DESIGN			01/31/25
DESIGN DEVELOPMENT			03/25/25
95% CONSTRUCTION DOCUMENTS			05/20/25
BID DOCUMENTS			06/17/25

JRA ARCHITECTS
2211 THOMAS DR. , STE 100
PANAMA CITY BEACH, FL
PHONE: (850) 236-9832
Commission Number: 24849

PROJECT:

POLICE K-9 TRAINING FACILITY FOR THE CITY OF PANAMA CITY BEACH

PANAMA CITY BEACH, FLORIDA

SHEET TITLE:

RISERS, PANEL & MECHANICAL SCHEDULES

HG ENGINEERS
HG Engineers
621 N Tyndall Pkwy, Suite C
Panama City, FL 32404
E-mail: office@hgengineers.com
Ph: 850.243.6723
FL Authorization No.00006680
Christopher A. Garick; FL. PE No.53924
Thomas A. Alexander; FL. PE No.73172
Daniel J. White; FL. PE No.73790
Caleb W. Leonard; FL. PE No.91782

25019 Job No.

SHEET NUMBER:

E7.1

SECTION 09 60 00 – RESINOUS FLOORING

PART 1 - GENERAL

1.1 SUMMARY

A. This section includes the following:
   1. Seamless epoxy flooring system, 1/8 inch thick, 100% solids epoxy, RFL-1 for
      restrooms. See finish plans for locations.
   2. Floor Preparation and Protection.

1.2 RELATED SECTIONS

A. Related sections include the following:
   1. Division 7 – Joint Sealants

1.3 SUBMITTALS

A. System Data:
   1. Submit manufacturer's specifications on cured system and individual components of the epoxy and urethane mortar systems, including physical properties and performance properties and tests, and submit Safety Data Sheets.
   2. Each individual component of the systems will be evaluated based on these standards.
   3. Manufacturer's standard color charts, for each system type.

B. Samples:
   1. The contractor shall submit a 6" x 6" cured system samples of both types of resinous flooring systems, applied to a rigid backing which the contractor has made for verification purposed and finish texture approval.

1.4 QUALITY ASSURANCE

A. Manufacturer's Qualifications:
   1. Obtain the resinous flooring systems materials from a single manufacturer with a
      minimum of five (5) years verifiable experience providing materials in the type specified in this section.

B. Contractor's Qualifications:
   1. Installation must be performed by a manufacturer certified contractor with skilled

mechanics not having less than three (3) years satisfactory experience in the installation of the type of systems as specified in this section and must be certified in writing by the manufacturer of the specified resinous flooring systems.

1.5 FIRE RATININGS

A. Flooring shall be “self-extinguishing” when testes in accordance with ASTM-D-635-72, and shall have “extent of burning” not to exceed 0.25 inch per minute when tested in accordance with the same standard.

1.06 DELIVERY, STORAGE AND HANDLING

A. Primary flooring system materials shall be delivered in the manufacturer’s undamaged, unopened containers. Each container shall be clearly marked with the following:
   1. Product names and/or numbers
   2. Manufacturer’s name
   3. Component designation (A, B, etc.)
   4. Product Mix Ratio
   5. Health and Safety Information
   6. Infotrac Emergency Response Information

B. Provide equipment and personnel to handle the materials by methods which prevent damage.

C. The contractor shall promptly inspect direct jobsite material deliveries to assure that quantities are correct, comply with requirements and are not damaged.

D. The contractor shall be responsible for materials furnished by him, and shall replace, at his own expense, such materials that are found to be defective in manufacturer or that have become damaged in transit, handling, or storage.

E. Store materials in accordance with manufacturer’s instructions, with seals and labels intact and legible. Maintain temperatures within the required range. Do not use materials that exceed the manufacturer’s maximum recommended shelf life.

1.07 PROJECT CONDITIONS

A. The contractor should visit the jobsite prior to beginning the installation of the resinous flooring systems to evaluate substrate condition, including substrate moisture content, and the extent of repairs required, if any. Concrete substrates shall be tested to verify that the moisture content of the substrate does not exceed the resinous flooring systems’ manufacturer’s recommendations.

B. The contractor should exercise care during surface preparation and systems installation to protect surrounding substrates and surfaces, as well as in-place equipment. The contractor shall prepare the substrate to remove laitance and open

the surface. This shall be achieved by brush grit blasting (depending on the hardness of the concrete). Surface profile achieved shall be similar to medium grit sandpaper and free from bond-inhibiting contaminants. Costs incurred that are associated with damage from negligence or inadequate protection shall be the sole responsibility of the contractor.

C. Each drain in the installation area must be working and raised or lowered to the actual finished elevation of the resinous flooring systems.

D. Systems must be protected by the General Contractor, or as a separate bid item, by the installing contractor until it is inspected and turned over to the owner.

E. The minimum slab temperature must be conditioned to 50 -70 degrees F before commencing installation, during installation, and for at least 72 hours after installation is complete. The slab temperature must be at least 5degrees F above the dew point during installation.

F. Maintain lighting at a minimum uniform level of 50 or more foot-candles in areas where the resinous flooring systems are being installed. Permanent lighting shall be in place and working during the installation. If permanent lighting is not in place, simulate permanent lighting conditions during the resinous flooring installation.

G. Leaks from pipes and other sources must be corrected prior to the installation of the resinous flooring systems.

H. Perform Relative Humidity test, ASTM F 2170. Proceed with installation of resinous flooring systems only after substrates have a maximum of 75% RH.

1.08 WARRANTY

A. The contractor and the manufacturer shall furnish a standard guarantee of the resinous flooring systems for a period for 3 years after installation. The labor and material guarantee shall include loss of bond and wear-through to the concrete substrate from normal use.

B. Not included in the warranty are damage due to structural design deficiencies including, but not limited to, slabs cracking from lateral, vertical or rotational movement, and gouging or other damage due to forklifts, other equipment, delamination caused by vapor transmission, Acts of God, or other elements beyond the scope of protection of these systems nor causes not related to the systems materials. In case of a warranty claim, the owner will notify the manufacturer and contractor in writing within 30 days of the first appearance of problems covered under this warranty. The owner will provide free and unencumbered access to the area during normal working hours for warranty rework. Property protection is also the owner's responsibility. Remedy is limited to direct repair of the resinous flooring systems.

PART 2 – PRODUCTS

2.01 MANUFACTURER INFORMATION

A. Subject to compliance with requirements, Manufacturers with products that may be incorporated into the Work include, but are not limited to the following:

1. Plexi-Chemie Inc. (Basis of Design)
2. Dur-a-Flex
3. Dura-Cote
4. Stonhard
5. Laticrete

2.02 FLOORING SYSTEM INFORMATION

A. Resinous flooring system: Plexi*Quartz* 1/8 inch thick Decorative Slurry/Broadcast Epoxy Flooring System.
   1. System Breakdown:
      a. Primer coat: Plexi*Glaze* #4 100% solids water clear epoxy coating
      b. Broadcast Quartz Aggregate: Plexi*Quartz*
      c. Body coat: Plexi*Glaze* #4 100% solids water clear epoxy coating
      d. Broadcast Quartz Aggregate: Plexi*Quartz*
      e. Lock coat: Plexi*Glaze* #4 100% solids water clear epoxy coating
      f. Topcoat: Plexi*Crest* P polyester urethane
   2. Patching/Caulking: use Plexi*Flex*Caulk or Plexi*Patch* QC.

2.03 FLOORING SYSTEMS PROPERITES

Typical physical properties at 70 degrees F (unless otherwise noted):

A. Resinous Flooring System – 1 (RFL-1)

1.	Tensile Strength (ASTM C-307):	2600 psi
2.	Tensile Strength (ASTM D-638):	4000 psi
3.	Compressive Strength (ASTM C-579):	14,500 psi
	(ASTM D-695):	17,500 psi
4.	Resistance to Elevated Temperatures (MIL-D-3134):	No slip or flow at Required temperature range 155-165 deg.F
5.	Bond Strength, minimum (ASTM D-4541):	> 400 psi
6.	Impact Resistance (ASTM D-2794):	> 160 in. lbs. No chipping, cracking or Delaminating; not more than 1/16 of an inch permanent indentation
7.	Hardness (Resin) (ASTM D-2240, Shore D):	80 – 90

8.	Hardness (Aggregate) (MOH's Mineral Scale):	6.5 – 7.0
9.	Abrasion Resistance (ASTM D-4060): Taber Abrader C17, 1000 gr. load, 1000 cycles	< 0.003 gr
10.	Coefficient of Friction (ASTM D-2047):	Standard: 0.6 Ramp/Incline: 0.8
11.	Water Absorption, max. (ASTM D-580):	Standard: 0.9 Smooth: 0.7
12.	Flammability (ASTM D-635):	Self-extinguishing bond to concrete
13.	Flexural Strength (ASTM C-580): (ASTM D-790):	4500 psi 10,000 psi
14.	Antimicrobial Resistance (ASTM G-21):	Passes
15.	Adhesion (ACI 503R):	> 400 psi 100% concrete failure

PART 3 – EXECUTION

3.01 PREPARATION

A. Surface Preparation for Resinous Flooring System – 1 (RFL-1):
   1. Surfaces receiving the epoxy flooring system should perform proper surface preparation and cleaning procedures before installing the epoxy flooring system. Substrate should be clean, ouns and dry before application.
   2. Surfaces receiving the epoxy flooring system should be shot-blasted and/or diamond ground.
   3. Substrate should be free of oil, grease, curing compounds, dust particles and dirt.
   4. Do not apply to slabs on grade unless a heavy un-ruptured vapor barrier has been
      installed under the slab. Do not thin materials.

3.02 SYSTEM APPLICATION

A. Resinous Flooring System:
   1. Apply each component of the 1/8" Decorative Slurry/Broadcast epoxy flooring system in compliance with manufacturer's written instructions and strictly adhere to mixing and installation methods, recoat windows, cure times and environmental restrictions. The epoxy flooring system is to be installed directly over non-moving control joints and cracks which have been treated with semi-rigid Plexi*Flex* Epoxy Caulk or Plexi*Patch* QC and the epoxy flooring system will terminate at the edge of isolation and expansion joints as designated by the Architect, Engineer, or design Professional. Integral cove base shall be installed 6" high.
   2. Installation Instructions:
      a. Prepare substrate properly in accordance with instructions above.
      b. Repair and fill all cracks, control joints, bug holes, bird baths and any surface deviations with either Plexi*Flex* Caulk or Plexi*Patch* QC.
      c. Install integral cove base.

d. Apply a primer coat of Plexi*Glaze* #4.
e. Broadcast Plexi*Quartz* aggregate, by hand or by mechanical flower, into the wet receiving coat of epoxy, making sure the entire floor is covered to saturation with aggregate (dray appearance).
f. Allow curing, usually overnight, and thoroughly vacuum off the excess aggregate.
g. Apply Plexi*Glaxe* #4 grout coat by squeegee with light backroll with tight nap roller. Allow to cure 8 – 10 hours.
h. Apply clear polyurethane finish. Additional finish coats may be applied depending upon smoothness of surface desired.
i. Provide Type "L" Zinc divider strip at top of integral cove base.

3.03 CURING, CLEANING AND PROTECTION

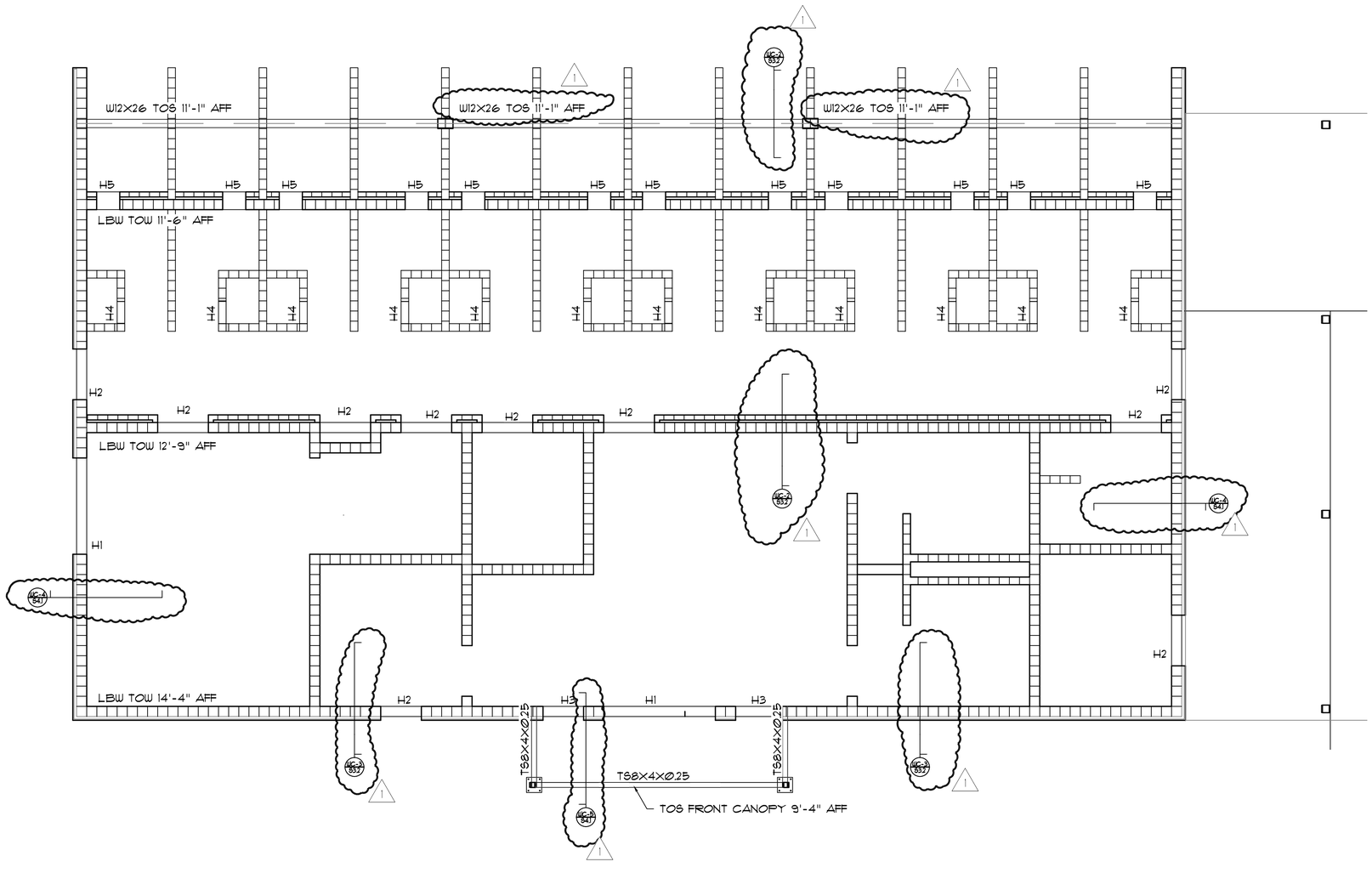
A. Cure the resinous flooring system materials in compliance with manufacturer's directions, taking care to prevent contamination during stages of the installation and prior to completion of the curing process.

B. Protect the resinous flooring systems from damage and wear during other phases of the construction operation, using temporary coverings as recommended by the manufacturer, if required. Remove temporary covering just prior to final inspection.

C. Clean the resinous flooring systems just prior to final inspection, using materials and procedures suitable to the systems manufacturer.

D. Some cleaners will affect the color, gloss, or texture of a resinous floor surface. To determine how a cleaner will perform, Plexi-Chemie recommends that you first test each cleaner, in a small area, utilizing your cleaning technique. This precaution will demonstrate the effect of your cleaner and technique. If no deleterious effects are observed, continue with the procedure. If deleterious effects do occur, modify the cleaning material and/or procedure. For recommendations regarding the types of cleaners, contact Plexi-Chemie, Inc.

END OF SECTION 09 60 00



NORTH

WALL BEARING PLAN

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

BID DOCUMENTS NOT FOR CONSTRUCTION

Drawings not valid without a signature, date,and raised seal.

REVISIONS

NO.	DESCRIPTION	DRAWN	CHECKED	DATE
1	ASI 1			6/3/26

PHASE	DRAWN	CHECKED	DATE
PRE-SCHEMATIC DESIGN			Ø1/6/25
SCHEMATIC DESIGN			Ø1/31/25
DESIGN DEVELOPMENT			Ø3/25/25
95% CONSTRUCTION DOCUMENTS			Ø5/2Ø/25
BID DOCUMENTS			Ø6/11/25

JRA ARCHITECTS
2211 THOMAS DR., STE 100
PANAMA CITY BEACH, FL
PHONE: (85Ø) 236-9832
Commission Number: 24849

STRUCTURAL ENGINEERING
BTK ENGINEERING SERVICES, INC.
3242 GARDENVIEW RD, COTTONDALE, FL 32431
ENGINEERING BUSINESS #9613
BRADLEY T. KENT P.E.
FLORIDA REGISTRATION #59384
PHONE: (850) 557-0190

EXODUS 4:11

PROJECT:

POLICE K-9 TRAINING FACILITY FOR THE CITY OF PANAMA CITY BEACH

PANAMA CITY BEACH, FLORIDA

SHEET TITLE:

WALL BEARING PLAN

SHEET NUMBER:

S2.1