



COUNTY PURCHASING AGENT
Fort Bend County, Texas

Jaime Kovar
County Purchasing Agent

(281) 341-8640
Fax (281) 341-8645

May 13, 2021

TO: All Prospective Bidders

RE: Addendum No. 2 – Fort Bend County RFP 21-078 Construction of Linear Jail Renovation in Fort Bend County

Addendum 2:

Attached is addendum 2. Vendors are to use Addendum 2 document while preparing their solicitation response. Changes include addendum provided by architect.

Immediately upon your receipt of this addendum, please fill out the following information and email this page to Jessica Carabajal at jessica.carabajal@fortbendcountytexas.gov

Company Name

Signature of person receiving addendum Date

If you have any questions, please contact this office.

Sincerely,

Paige McInnis
County Purchasing Agent Assistant

ITEMS FOR ADDENDUM NO. 2

PROJECT NAME: Fort Bend County - Jail maintenance repairs and renovations

OWNER NAME: Fort Bend County – Richmond, TX

PROJECT NUMBER: RFP – 21-078

ARCHITECT NAME: STOA Architects

ADDENDUM DATE: Thursday, May 13, 2021



NOTICE TO PROPOSERS:

(Applying to all bidders, This Addendum shall be considered part of the contract documents for the above mentioned project.)

This Addendum is issued for the purpose of clarifying the intent of the contract documents for making necessary corrections, deletions, and/or additions to the documents on all items of discrepancy raised up to the time of the issuance of this Addendum.

Each Proposer is hereby notified and authorized to incorporate into his proposal the instructions contained in this Addendum. And, should also make any necessary adjustments in their estimate on account of this Addendum. It will be construed that each Proposer's proposal is submitted with full knowledge of all modifications and supplemental data specified therein.

TO ALL BIDDERS

REFERENCE IS MADE TO PROJECT MANUAL & DRAWINGS AS NOTED:

QUESTIONS:

ADDENDUM 2, ITEM 1:

1. There doesn't appear to be a finish schedule or the call out for epoxy in the plans. Please advise.

[STOA](#): Epoxy is called out on the plans on sheet A1-01, A1-03, and A1-05. (Outlined areas indicated as Keynote 1, 20, and 21.) Refer to the legend indicates the epoxy quartz shown as:

LEGEND:

	NEW FLOOR AREA:(BASIS OF DESIGN OR APPROVED EQUAL) TORGINOL EPOXY QUARTZ COLOR GRANULES FLOORING 40-S; <u>CUSTOM</u> (QB-1018) NEW MOON FORMULA: Q1010-40S WHITE 50.0% Q1020-40S BLACK 10.0% Q1130-40S SLATE 20.0% Q1320-40S SMOKE 20.0%
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[Refer to A0-30 for Fluid applied epoxy Flooring and quartz flooring basis of design specifications.](#)
[And attached Exhibit A for reference.](#)

20 NEW EPOXY FLOORING; RE:SPECs.

21 NEW SLIP RESISTANT EPOXY FLOORING; RE SPECs

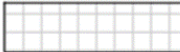
2. Fort Bend County A1.03 Note 46 - Is the County requesting GPR scanning for the designated concrete? Please advise.

STOA: Yes, GPR scanning being requested for the designated concrete in the outdoor rec yard 165; to prevent any damage to any existing utilities and existing unknown structure components underneath at the new fence post locations and ramp areas.

3. The Scope of Work is specified on sheet A0-30 section 09 67 26 Quartz Flooring. The specification gives reference to Torginol Quartz Blend but does not reference any manufacturers or more importantly the thickness of desired flooring system. Please clarify any manufacturers or thickness for the Quartz Flooring.

STOA: 40-S grade Quartz floor epoxy is used for lighter duty systems at 1/8" thickness. Epoxy is called out on the plans on sheet A1-01, A1-03, and A1-05. (Outlined areas indicated as Keynote 1, 20, and 21.) Refer to the legend indicates the epoxy quartz shown as:

LEGEND:

	NEW FLOOR AREA:(BASIS OF DESIGN OR APPROVED EQUAL) TORGINOL EPOXY QUARTZ COLOR GRANULES FLOORING 40-S; CUSTOM (QB-1018) NEW MOON FORMULA: Q1010-40S WHITE 50.0% Q1020-40S BLACK 10.0% Q1130-40S SLATE 20.0% Q1320-40S SMOKE 20.0%
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4. Can you provide the wall height of the Violent padded rooms as they are not indicated on the reflective ceiling plans?

STOA: The Violent padded cells are 10'-0" F.V.

5. Is a City of Richmond Permit Required and if so what is the status of the plan review and permits being ready to be issued?

STOA: Yes, a City of Richmond Permit is required, and has been already approved.

6. Is a Fort Bend County Permit Required and if so what is the status of the plan review and permits being ready to be issued?

STOA: Yes, a Fort Bend County Fire Marshal's Permit is required; it will have to be a differed permit submittal by the selected GC's Sprinkler and fire alarm subcontractor.

7. Is a 3rd party testing and balancing report required to be done by the contractor or will it be by owner?

STOA: Yes, 3rd party testing Test and Balancing by Owner.

8. Will it be okay for other Fire Alarm companies to bid the project and modify the system that is currently maintained by Firetron?

Fort Bend County: Yes, must comply with existing Simplex System.

9. Are there any other contingencies or allowances that are currently not included in the RFP documents?

Fort Bend County: No other contingencies or allowances that are currently not included in the RFP documents.

10. There is a fan schedule but there are no model numbers listed in it, would you all please provide model numbers or further information on this?

INFRASTRUCTURE (MEP): Typically, model no is not provided in drawings in order to give opportunity for multiple manufacturers.

11. At the prebid conference it was noted that the area's C,D, and F would all be unoccupied except for the Laundry area corridor. Please verify that this is correct.

STOA: Yes, this is correct. The laundry and maintenance office area are to remain operational during the renovation upgrades, this corridor area will be have to be coordinated in phases.

12. The project schedule is required at time of bid per the RFP. With most DEC equipment being 15-20 weeks out after contract, should we incorporate this into the scheduled start time?

STOA: Yes, please incorporate this into the scheduled start time and provide Project Schedule.

13. What 3rd party testing is required and who's responsible for cost?

STOA: 3rd party testing Test and Balancing by Owner.

14. Spec section 015100 calls for construction fencing, is any required for this project?

STOA: No, it will not be required. At the pre-bid conference an existing outdoor fenced area was designed as staging area for the project.

15. Spec section 055100 Electricity and Lighting says to "pay all costs for service and for power use". Is a separate meter pole required for construction work?

STOA: No, it will not be required.

16. At the prebid conference it was mentioned that the electrical and low voltage above ceiling may need to be brought up to code. Please verify that this is not to be included in this scope and will be covered in an allowance as set aside by the county.

Fort Bend County: Owner contingency to be used at our discretion.

STOA: It will be covered in an allowance to be set aside by the County.

17. Is fire sprinkler and fire alarm as-builts available?

Fort Bend County: Fire Alarm as-built drawings can be provided to the awarded contractor. No sprinkler as-built drawings exist.

18. Note 11 on RCP plans refers to fire sprinkler being cut and capped as needed for new walls then brought back online. Is the intent to have the sprinkler system in all construction areas kept online and active during construction? We believe that most day rooms do not have sprinklers currently and there will be work done to the system on a daily basis. This question can also pertain to the fire alarm.

INFRASTRUCTURE (MEP) / STOA: Design intent is to keep the sprinkler system online. However, coordinate with owner for final decision.

19. Spec section 022810 Termite Control. Will this be required?

STOA: No, it will not be required.

20. Spec Section 054100 Cold-Formed Steel Framing. Submittal specs call for structural calculations, does this apply for this project? No, the structural calculations will not be required for this project.

21. Spec Section 078400 Firestopping. Please indicate where this would apply as there are no mention of fire rated walls other than the corridor on south side on building F.

STOA: It generally applies at any typical through-penetration that would be affected thought the project scope of work. See attached UL system no. W-L-1479 for additional information.

22. 12. Spec Section 079200 Sealants. There are no mention of pick proof or pick resistant sealants, please indicate if these will be required in the cells or dayrooms.

STOA: Yes, Tamper Resistant and Tamper Proof Joint Sealants are to be required in the cells, dayrooms, and holding cells.

23. A3.01- Door Schedule Note list to "lubricate any worn-out parts", Please verify what gates specifically or do we set an allowance for this?

STOA: It applies to any door's material labeled "*ES/PT" refer to door schedule on sheet A3-01 & A3-02.

MARK	DOOR			F
	DOOR SIZE (W x H x THICK)	TYPE	MATL.	
228A	EXISTING TO REMAIN	-	EX/PT	-
228B	EXISTING TO REMAIN		*ES/PT	-
228C	EXISTING GATE TO REMAIN	-	G/PT	-
229	EXISTING TO REMAIN	-	EX/PT	-
230A	EXISTING TO REMAIN	-	EX/PT	-
230B	EXISTING TO REMAIN	-	*ES/PT	-
230C	EXISTING GATE TO REMAIN	-	G/PT	-
231A	3'-0" x 7'-0" (F.V.)	H	S/PT	1

24. M1.01- Note 1 Calls to patch metal opening at tap

INFRASTRUCTURE (MEP): Patching is needed only if grille is removed and not replaced with new.

25. Plumbing - What type of plumbing fixture are to be R&R in the drying room #223. Arch pages list this room to be storage, plumbing plans list this room to have a shower installed. Please advise to if there will be a shower or will this be storage or both?

STOA: Per sheet A1-04 shower stall and grab bars are to be removed; cap plumbing as required. Room #223 is to become new storage space. Walls in room# 223 to be patched, repaired and painted with new floor finish.

26. P1.00 & P 2.00 - Toilet room 118 calls for fixtures to remain but on pages P2.00 it calls for new fixtures. Please confirm if to remain or replace with new.

STOA: Per sheet A1-01 Toilet RM 118 is existing to remain; not in scope.

27. Floor Finish -Please verify the Quartz Floor Epoxy thickness. - Suggest 1/8th thickness for durability.

STOA: Yes, 40-S grade Quartz floor epoxy is used for lighter duty systems at 1/8" thickness.

28. Do all of the Acorn Stainless Steel plumbing fixtures need to be Ligature Resistant? The specifications indicate Ligature Resistant only on a few but most are not Ligature.

[STOA:](#) Yes, per the Texas Commission on Jail Standards fixtures need to be Ligature Resistant. Refer to sheet A3.03 toilet fixture accessories scheduled that was approved by the Texas Commission on Jail Standards review.

29. Do the fixtures located in ADA Handicapped areas need to be ADA Compliant. Some specifications call for fixtures that are not ADA compliant.

[STOA:](#) Yes, per the Texas Commission on Jail Standards & TAS fixtures need to be ADA Compliant. Refer to sheet A3.03 toilet fixture accessories scheduled that was approved by the Texas Commission on Jail Standards review & TAS review installation ADA heights.

30. It appears that the specifications are to replace existing fixtures with the same Existing Models even though they are not Ligature Resistant and are not ADA compliant. Most Models are available both Ligature Resistant and Standard but with the same rough in as the existing fixtures.

Some Examples:

L-1 Lavatory specified is not ADA Compliant and is not Ligature Resistant

SH-1 Shower is specified Ligature Resistant

SH- 2 ADA Shower is specified Standard and is not Ligature Resistant

SH-3 Shower is specified Ligature Resistant.

WCL-1 Toilet/Lavatory is specified standard but can be Ligature Resistant

WCL-2 ADA Toilet/Lavatory is standard but can be Ligature Resistant

WC-1 & WC-2 are both specified standard but can be Ligature Resistant.

[STOA:](#) Refer to sheet A3.03 toilet fixture accessories scheduled that was approved by the Texas Commission on Jail Standards review & TAS review.

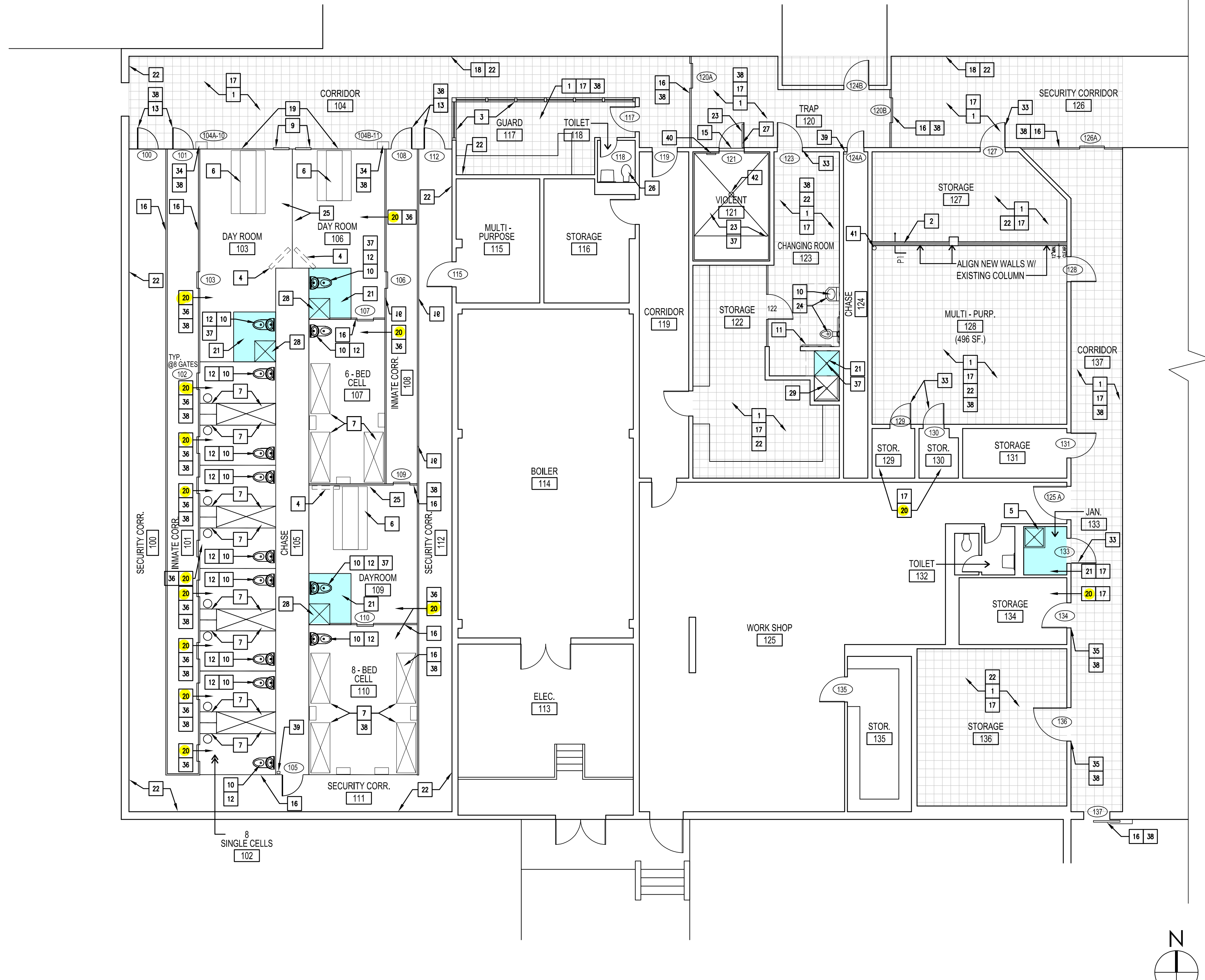
- TA-1_LR1449 – ADA
- TA-2_LR1418 - CT, AR, AL
- TA-3_LR1653-ADA LAV
- TA-4 & TA-9_LR1730 & LR1736
- TA-5_104 ASI Mirror
- TA-6_ASI 36in.-Grab-Bar
- TA-7_ASI 42in.-Grab-Bar
- TA-8_LR1741-ADA
- TA-10_1684 - ADA

END OF ADDENDUM No. 2

Exhibit A Attachments



Per Note 20 Epoxy
flooring
(At Cells, Dayrooms,
holding cells typical)



FIRST FLOOR - PART C NEW FLOOR PLAN SCALE: 1/8"=1'-0" 2

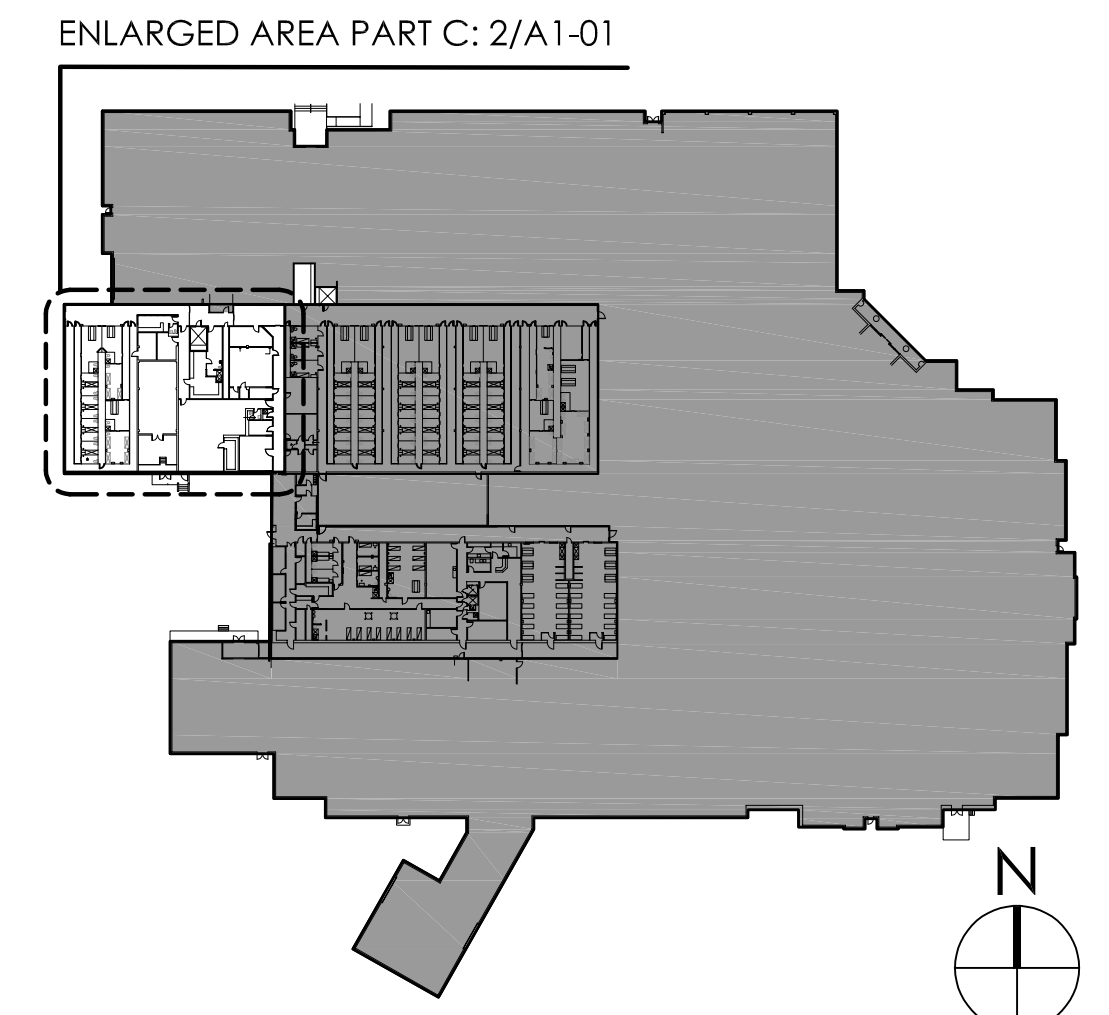
KEYNOTES:

- 1 NEW TORGNOL EPOXY QUARTZ COLOR GRANULES FLOORING 40-S; RE: LEGEND BELOW.
- 2 6" NEW CMU WALL UP TO 6" ABOVE CEILING, REFER TO DETAIL 4/A3-00.
- 3 SANDBLAST, PRIME & PAINT EXISTING WINDOW FRAME; COLOR TO BE SELECTED BY OWNER; RE: SPECS.
- 4 NEW TAMPER RESISTANT MILLENNIUM-HIGH SECURITY TV DETENTION ENCLOSURES (BASIS OF DESIGN); TO BE INSTALLED PER MANUFACTURE REQUIREMENTS.
- 5 NEW MOP SINK.
- 6 SANDBLAST EXISTING STEEL TABLE; PRIME & PAINT; TO LIKE NEW CONDITION. RE: SPECS.
- 7 SANDBLAST EXISTING STEEL BUNKS, SHELVES, INDIVIDUAL DESK AND STOOL; PRIME & PAINT.
- 8 SANDBLAST EXISTING STEEL BEDS AND ADJACENT SHELVES; PRIME & PAINT; RE: SPECS.
- 9 NEW LEXAN GLASS OBSERVATION PANEL ABOVE EXISTING FOOD PASS, REFER TO DETAIL 7/A3-00.
- 10 NEW CHROME-PLATED STEEL PRISON TYPE MIRROR, REFER TO DETAIL 8/A3-00.
- 11 NEW STAINLESS STEEL GRAB BARS.
- 12 NEW STEEL COMBINATION SINK/ TOILET. REFER TO A3-03 & P0-00.
- 13 NEW STEEL SHEET DOOR, FRAME & HARDWARE. (REA3-01, A3-02 & SECTION 08 71 00 ON A0-30)
- 14 NEW METAL DOOR AND FRAME.
- 15 NEW TRANSITION STRIP, REFER TO DETAIL 2/A3-01.
- 16 SANDBLAST EXISTING SECURITY BARS, GATES, PRIME & PAINT; TO LIKE NEW CONDITION. RE: SPECS.
- 17 NEW 4" RESILIENT/RUBBER BASE - TO BE DETERMINED BY OWNER.
- 18 CLEAN & SEAL EXISTING STRUCTURAL GLAZED BASE IN ACCORDANCE WITH THE NEW FLOOR FINISH INSTALLATION.
- 19 SANDBLAST, PRIME AND RE-PAINT EXISTING STEEL SHEET WALLS AND FOOD PASS.
- 20 NEW EPOXY FLOORING; RE: SPECS.
- 21 NEW SLIP RESISTANT EPOXY FLOORING; RE: SPECS Slip Resistant Epoxy; per note 21
- 22 SANDBLAST EXISTING WALL, PRIME & PAINT; TO LIKE NEW CONDITION. RE: SPECS.
- 23 NEW FOAM PADDING AT FLOOR, WALLS AND DOOR, TO MATCH EXISTING REFER TO DETAIL 5/A3-00.
- 24 NEW STAINLESS STEEL TOILETS AND SINKS - ADA
- 25 PROTECT EXISTING ELECTRICAL AND PHONE EQUIPMENT; ENSURE ALL EXPOSED CONDUITS ARE STRAPPED EVERY 1'-0" WITH TAMPER RESISTANT SECURITY SCREWS.
- 26 EXISTING TO REMAIN NOT IN SCOPE.
- 27 ADD MILLENNIUM FOOD PASS TO EXISTING DOOR
- 28 NEW STAINLESS STEEL CABINET SHOWERS - LIGATURE RESISTANT
- 29 NEW STAINLESS STEEL SHOWERS AND GRAB BARS - ADA & LIGATURE RESISTANT
- 30 NEW 6" CMU WALL, REFER TO DETAIL 1/A3-00. (RE: A1-05)
- 31 NEW 6" CMU SCREEN LOW WALL 5'-0" HT. REFER TO DETAIL 3/A3-00. (RE: A1-05)
- 32 NEW 6" CMU SCREEN HIGH WALL, REFER TO DETAIL 1/A3-00. (RE: A1-05)
- 33 REPLACE DOOR, HARDWARE, AND METAL FRAME.
- 34 SAND DOWN OR USE LACQUER THINNER TO REMOVE PAINT FROM THE EXISTING WHEELHOUSES, G.C. TO PROTECT THE WHEELHOUSES AND ALL ELECTRICAL COMPONENTS FROM SAND BLASTING. PRIME & PAINT; TO LIKE NEW CONDITION; RE: SPECS. COLOR TO BE DETERMINED BY OWNER.
- 35 EXISTING DOOR TO REMAIN; PRIME & PAINT. (RE: DOOR SCHEDULE ON SHEET A3-01.)
- 36 SANDBLAST, PRIME AND RE-PAINT STEEL SHEET WALLS AND CEILING.
- 37 SECURE ALL EXISTING FLOOR DRAINS; (DETENTION GRADE) ENSURE 2% SLOPE; PER T&S REQUIREMENTS.
- 38 PROVIDE NEW DETENTION GRADE NAME & NUMBERING SIGNAGE TO ALL DOORS, WHEELHOUSES, CELLS, AND BEDS AT ALL LOCATIONS. ASSOCIATED WITH FLOOR PLAN C.D. & E. (TYPICAL) (COORDINATE NUMBERING SYSTEM WITH CORRECTIONAL FACILITY CONTROLS DEPARTMENT AND OWNER.) INSTALL AS REQUIRED PER T&S/ADA, AND TEXAS COMMISSION ON JAIL STANDARDS.
- 39 EXISTING TO REMAIN SHUT OFF VALVE LOCATIONS (L.U.O.); RE: PLUMBING.
- 40 INSTALL NEW TWO-WAY INTERCOM SYSTEM CONNECTING TO EXISTING NETWORK, I.D.F., VIEWED IN CENTRAL CONTROL ROOM. (REFER TO ELECTRICAL) ENSURE ALL EXPOSED CONDUITS ARE STRAPPED EVERY 1'-0" WITH TAMPER RESISTANT SECURITY SCREWS.
- 41 NEW SECURITY CAMERA, G.C. TO VERIFY WITH OWNER FOR THE BRAND AND EXACT LOCATIONS OF NEW CAMERAS. (REFER TO ELECTRICAL) ENSURE ALL EXPOSED CONDUITS ARE STRAPPED EVERY 1'-0" WITH TAMPER RESISTANT SECURITY SCREWS.
- 42 EXISTING FLUSH FLOOR DRAIN SYSTEM TO REMAIN; PROTECT DURING CONSTRUCTION. GC TO PROPERLY SECURE THE FLOOR DRAIN & PROVIDE 2% SLOPE TO DRAIN PER THE NEW PADDING FINISH.

LEGEND:

	NEW FLOOR AREA: (BASIS OF DESIGN OR APPROVED EQUAL)
	TORGNOLO EPOXY QUARTZ COLOR GRANULES FLOORING
	40-S; CUSTOM (0B-1018) NEW MOON FORMULA:
	Q1010-40S WHITE 50.0%
	Q1020-40S BLACK 10.0%
	Q1130-40S SLATE 20.0%
	Q1320-40S SMOKE 20.0%

NOTES AND LEGEND



KEY PLAN SCALE: NTS 1

SIGMA ARCHITECTS
 HOUSTON, TX 77068
 6001 SAVOY DR., # 100
 TEL: (713) 995-8784
 FAX: (713) 995-8785

REGISTERED ARCHITECT
 CHAU CHUONG
 ARCHITECT
 OF TEXAS
 04/16/2021

PROJECT: 2019-01

CONSULTANT: Infrastructure Associates

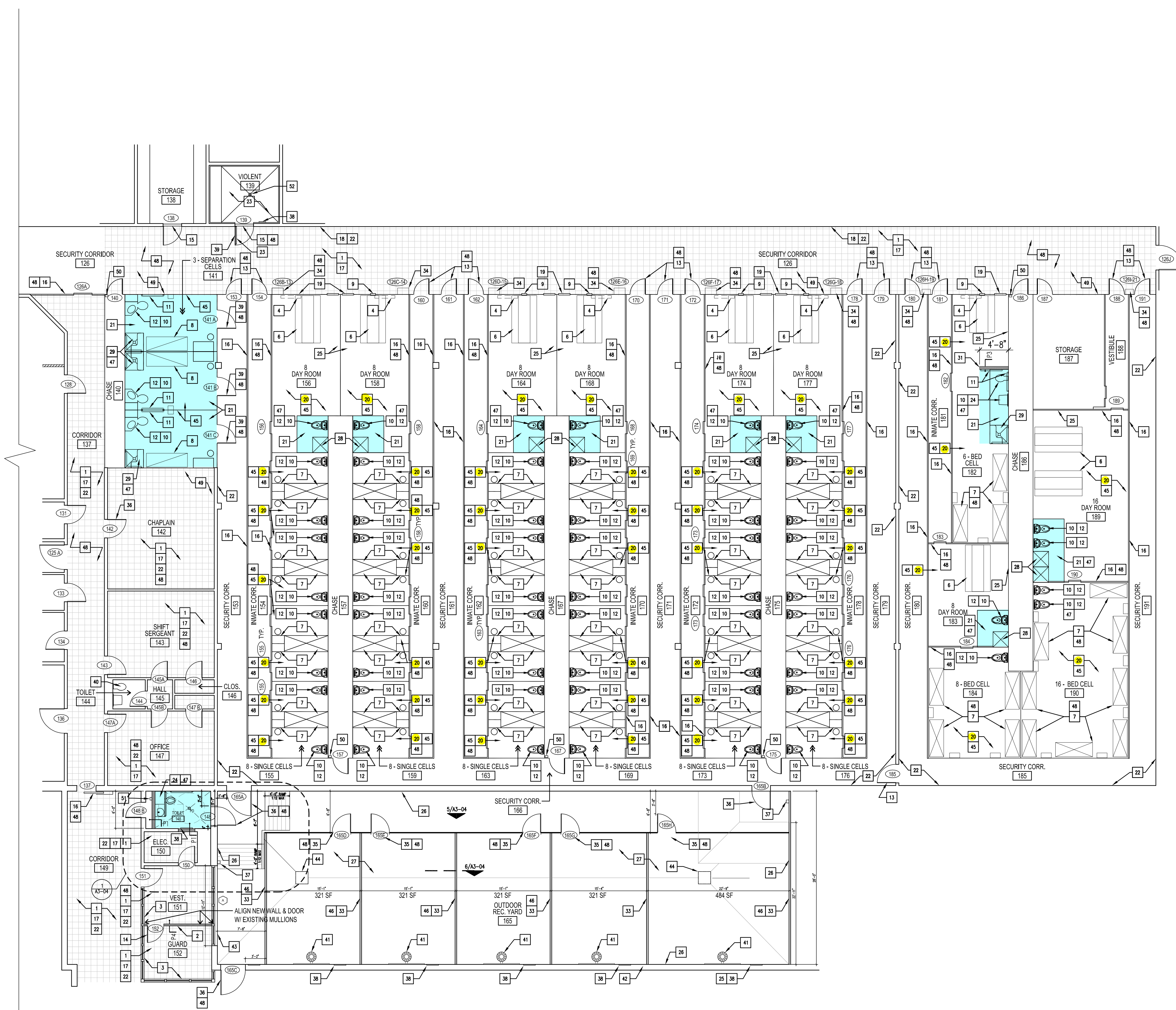
INFRASTRUCTURE ASSOCIATES, INC.
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SIGMA ENGINEERING SERVICES
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FORT BEND COUNTY JAIL
 MAINTENANCE REPAIRS & RENOVATIONS
 1410 RICHMOND PARKWAY
 RICHMOND, TEXAS 77469

REVISION	NTS	1A

SHEET DESCRIPTION: FIRST FLOOR PART C NEW FLOOR PLAN	ISSUED FOR: 100% CD	Issue Date: 04/16/2021
PREPARED BY: 12/11/2020	BD&K Permit Review	SHEET NO. A1-01
SCALE: 1/8" = 1'-0"		

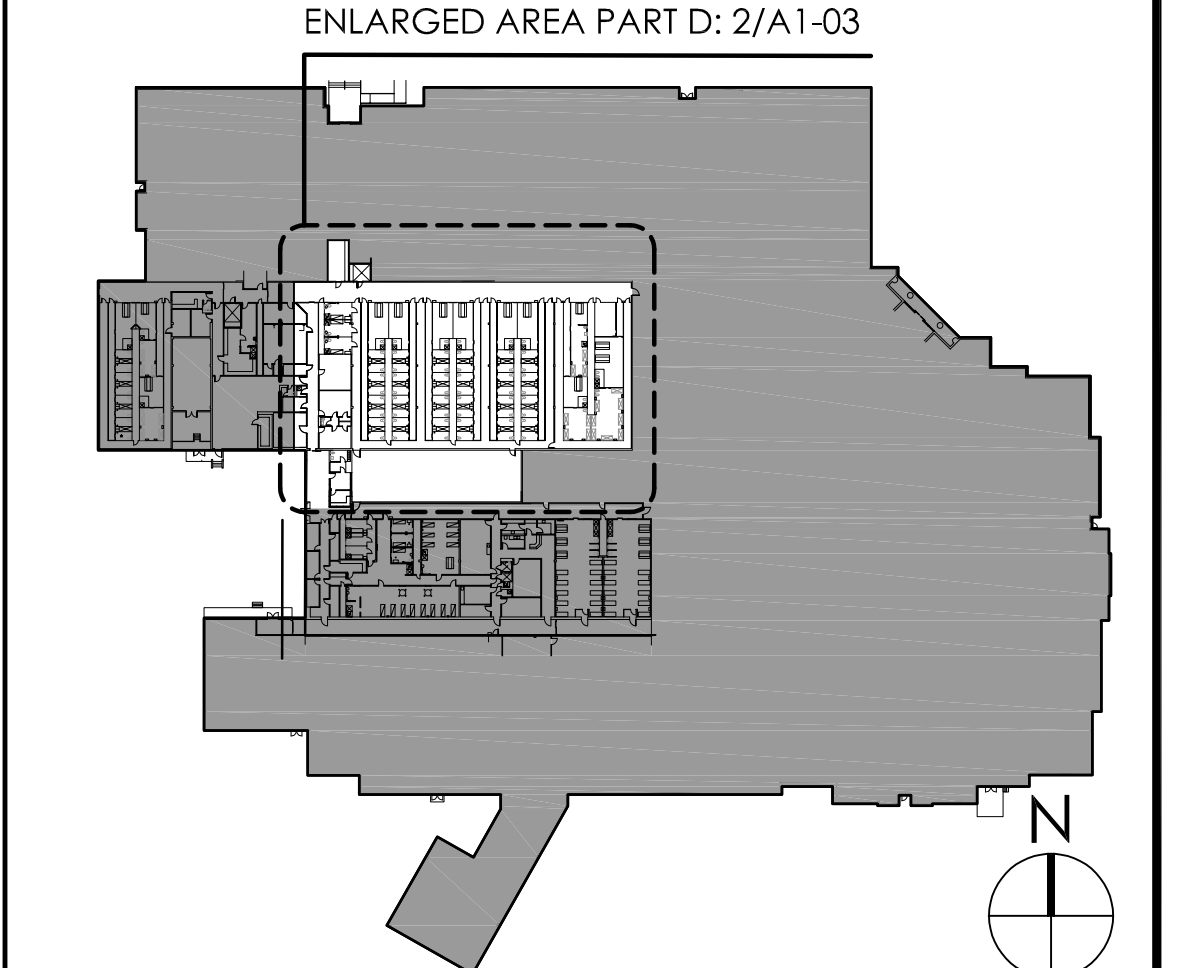


- KEYNOTES:**
- 1 NEW TORGNOL EPOXY QUARTZ COLOR GRANULES FLOORING 40-S.
 - 2 4-7/8" NEW DRYWALL PARTITION UP TO 6" ABOVE CEILING, REFER TO DETAIL 4/A3-00.
 - 3 SANDBLAST, PRIME & PAINT EXISTING WINDOW FRAME; COLOR TO BE SELECTED BY OWNER/RE: SPECS.
 - 4 NEW TAMPER RESISTANT MILLENNIUM-HIGH SECURITY TV DETENTION ENCLOSURES (BASIS OF DESIGN); TO BE INSTALLED PER MANUFACTURE REQUIREMENTS
 - 5 NEW MOP SINK; RE: A1-05.
 - 6 SANDBLAST EXISTING STEEL TABLE; PRIME & PAINT; TO LIKE NEW CONDITION. RE: SPECS.
 - 7 SANDBLAST EXISTING STEEL BUNKS, SHELVES, INDIVIDUAL DESK & STOOL; PRIME & PAINT; RE: SPECS.
 - 8 SANDBLAST EXISTING STEEL BEDS AND ADJACENT SHELVES; PRIME & PAINT; RE: SPECS.
 - 9 NEW LEXAN GLASS OBSERVATION PANEL TO BE INSTALLED CENTERED ABOVE EXISTING FOOD PASS, REFER TO DETAIL 7/A3-00.
 - 10 NEW CHROME-PLATED STEEL PRISON TYPE MIRROR, REFER TO DETAIL 8/A3-00.
 - 11 NEW STAINLESS STEEL GRAB BARS.
 - 12 NEW STEEL COMBINATION SINK/ TOILET. REFER TO A3-03 & P0-00.
 - 13 NEW STEEL SHEET DOOR, FRAME & HARDWARE. (RE: A3-01, A3-02 & A0-30)
 - 14 NEW METAL DOOR AND FRAME. (RE: A3-01, A3-02 & SECTION 08 71 00 ON A0-30)
 - 15 NEW TRANSITION STRIP, REFER TO DETAIL 2/A3-01.
 - 16 SANDBLAST EXISTING SECURITY BARS; PRIME & PAINT TO LIKE NEW CONDITION. RE: SPECS.
 - 17 NEW 4" RESILIENT/RUBBER BASE - TO BE DETERMINED BY OWNER.
 - 18 CLEAN & SEAL EXISTING STRUCTURAL GLAZED BASE IN ACCORDANCE WITH THE NEW FLOOR FINISH INSTALLATION.
 - 19 SANDBLAST, PRIME AND PAINT EXISTING STEEL SHEET WALLS AND FOOD PASS.
 - 20 **NEW EPOXY FLOORING; RE: SPECS.**
 - 21 NEW SLIP RESISTANT EPOXY FLOORING; RE: SPECS Slip Resistant Epoxy; per note 21.
 - 22 SANDBLAST EXISTING WALL, PRIME & PAINT TO LIKE NEW CONDITION. RE: SPECS.
 - 23 NEW FOAM PADDING AT FLOOR, WALLS AND DOOR, TO MATCH EXISTING RE: DETAIL 5/A3-00.
 - 24 NEW STAINLESS STEEL TOILETS AND SINKS - ADA
 - 25 PROTECT ALL ELECTRICAL AND PHONE EQUIPMENT; ENSURE ALL EXPOSED CONDUITS ARE STRAPPED EVERY 1'-0" WITH TAMPER RESISTANT SECURITY SCREWS.
 - 26 POWER-WASH AND PAINT, PATCH & REPAIR EXISTING TILT-WALL & PLASTER; TO MATCH EXISTING.
 - 27 POWER-WASH OUTDOOR YARD CONCRETE FLOOR, PRIOR TO INSTALLING THE NEW FENCE.
 - 28 NEW STAINLESS STEEL CABINET SHOWERS - LIGATURE RESISTANT
 - 29 NEW STAINLESS STEEL SHOWERS AND GRAB BARS - ADA & LIGATURE RESISTANT
 - 30 NEW 6" CMU WALL, REFER TO DETAIL 1/A3-00. (RE: A1-05)
 - 31 NEW 6" CMU SCREEN LOW WALL 5'-0" HT. REFER TO DETAIL 3/A3-00.
 - 32 NEW 6" CMU SCREEN HIGH WALL, REFER TO DETAIL 1/A3-00. (RE: A1-05)
 - 33 THE NEW FULL HEIGHT WELDED MESH SECURITY FENCE SHOULD BE POSITIONED AND ALIGNED WITH EXISTING SECURITY SCREEN FRAMING ABOVE. FIELD VERIFY BY G.C. PRIOR INSTALLATION. (RE: A2-01 & A3-04)
 - 34 SAND DOWN OR USE LACQUER THINNER TO REMOVE PAINT FROM THE EXISTING WHEELHOUSES. G.C. TO PROTECT THE WHEELHOUSES AND ALL ELECTRICAL COMPONENTS FROM ANY DAMAGE DUE TO SANDBLASTING & PAINTING. PRIME & PAINT; TO LIKE NEW CONDITION. RE: SPECS.
 - 35 PROVIDE NEW GATE, HARDWARE, BASKETBALL GOAL AND AN INTERCOM IN EACH SEPARATED AREA.
 - 36 INSTALL DOOR AND HARDWARE. (RE: A3-01, A3-02 & SECTION 08 71 00 ON A0-30)
 - 37 NEW SECURITY CAMERA, G.C. TO VERIFY WITH OWNER FOR THE BRAND AND EXACT LOCATIONS OF NEW CAMERAS. (REFER TO ELECTRICAL) ENSURE ALL EXPOSED CONDUITS ARE STRAPPED EVERY 1'-0" WITH TAMPER RESISTANT SECURITY SCREWS.
 - 38 INSTALL TWO-WAY INTERCOM SYSTEM CONNECTING TO EXISTING NETWORK, I.D.F., VIEWED IN CENTRAL CONTROL ROOM (REFER TO ELECTRICAL) ENSURE ALL EXPOSED CONDUITS ARE STRAPPED EVERY 1'-0" WITH TAMPER RESISTANT SECURITY SCREWS.
 - 39 RETROFIT EXISTING DOOR FOR NEW MILLENNIUM FOOD PASS. (RE: DOOR SCHEDULE)
 - 40 EXISTING RESTROOM TO REMAIN. (NOT IN SCOPE)
 - 41 NEW DETENTION GRADE SUSPENDED BASKETBALL BACKSTOP AND GOAL; BRACE TO EXISTING STRUCTURE AS REQUIRED; PER MANUFACTURE REQUIREMENTS. (PROVIDE RAZOR WIRE AT TOP OF BRACING RE: 1/A3-02.)
 - 42 PROVIDE RAZOR WIRE AT THE TOP PARAMETER OF EACH SEPARATE COURT OF THE REC. YARD.
 - 43 INSTALL NEW 3/4" LEXAN SECURITY GLAZING-PANES EXISTING FRAMES-MATCH EXISTING. (RE: A3-02)
 - 44 ADD SECURITY SCREW (1-27) AS REQUIRED TO SECURE EXISTING DRAIN GRATES.
 - 45 SANDBLAST, PRIME & PAINT EXISTING STEEL SHEET WALLS AND CEILING; TO LIKE NEW CONDITION.
 - 46 PERFORM CONCRETE SCAN AT OUTDOOR YARD AREA WHERE CHAIN LINK FENCE POSTS ARE TO BE INSTALLED; TO PREVENT ANY DAMAGE TO EXISTING UTILITIES AND STRUCTURE UNDERNEATH.
 - 47 SECURE ALL EXISTING FLOOR DRAINS, (DETENTION GRADE) ENSURE 2% SLOPE; PER TAS REQ.
 - 48 PROVIDE NEW DETENTION GRADE NUMBERING SIGNAGE TO ALL DOORS, WHEELHOUSES, CELLS, AND BEDS AT ALL LOCATIONS; IN FLOOR PLAN C.D. & F. TYPICAL. (COORDINATE NUMBERING SYSTEM WITH CORRECTIONAL FACILITY CONTROLS DEPARTMENT AND OWNER). INSTALL PER TAS/ADA, AND TEXAS COMMISSION ON JAIL STANDARDS.
 - 49 BRING ALL EXISTING ELECTRICAL UP TO CODE ABOVE CEILING; REPLACE ALL JUNCTION BOXES AND COVERS, SECURE, STRAP DOWN ALL EQUIPMENT AS REQUIRED PER CODE. RE: ELECTRICAL DWG'S.
 - 50 EXISTING TO REMAIN SHUT OFF VALVE LOCATIONS (U.N.O.); RE: PLUMBING.
 - 51 PROVIDE NEW SHUT OFF VALVE AS REQUIRED FOR NEW PLUMBING FIXTURE LOCATION; RE: MEP.
 - 52 EXISTING FLUSH FLOOR DRAIN SYSTEM TO REMAIN; PROTECT DURING CONSTRUCTION. GC TO PROPERLY SECURE FLOOR DRAIN & PROVIDE 2% SLOPE TO DRAIN PER THE NEW PADDING FINISH.

LEGEND:

	NEW FLOOR AREA: (BASIS OF DESIGN OR APPROVED EQUAL)
	TORGNOL EPOXY QUARTZ COLOR GRANULES FLOORING
	40-S; CUSTOM (08-1018) NEW MOON FORMULA:
	Q1010-40S WHITE 50.0%
	Q1020-40S BLACK 10.0%
	Q1130-40S SLATE 20.0%
	Q1320-40S SMOKE 20.0%

NOTES AND LEGEND NTS 1A



KEY PLAN SCALE: NTS 1

FIRST FLOOR - PART D - NEW FLOOR PLAN SCALE: 1/8"=1'-0" 2

SIGMA ARCHITECTS
 REGISTERED ARCHITECT
 CHAO CHUNG LEE
 STATE OF TEXAS
 6001 SAVOY DR., # 100
 HOUSTON, TX. 77068
 TEL. (713) 995-8784
 FAX (713) 995-8785

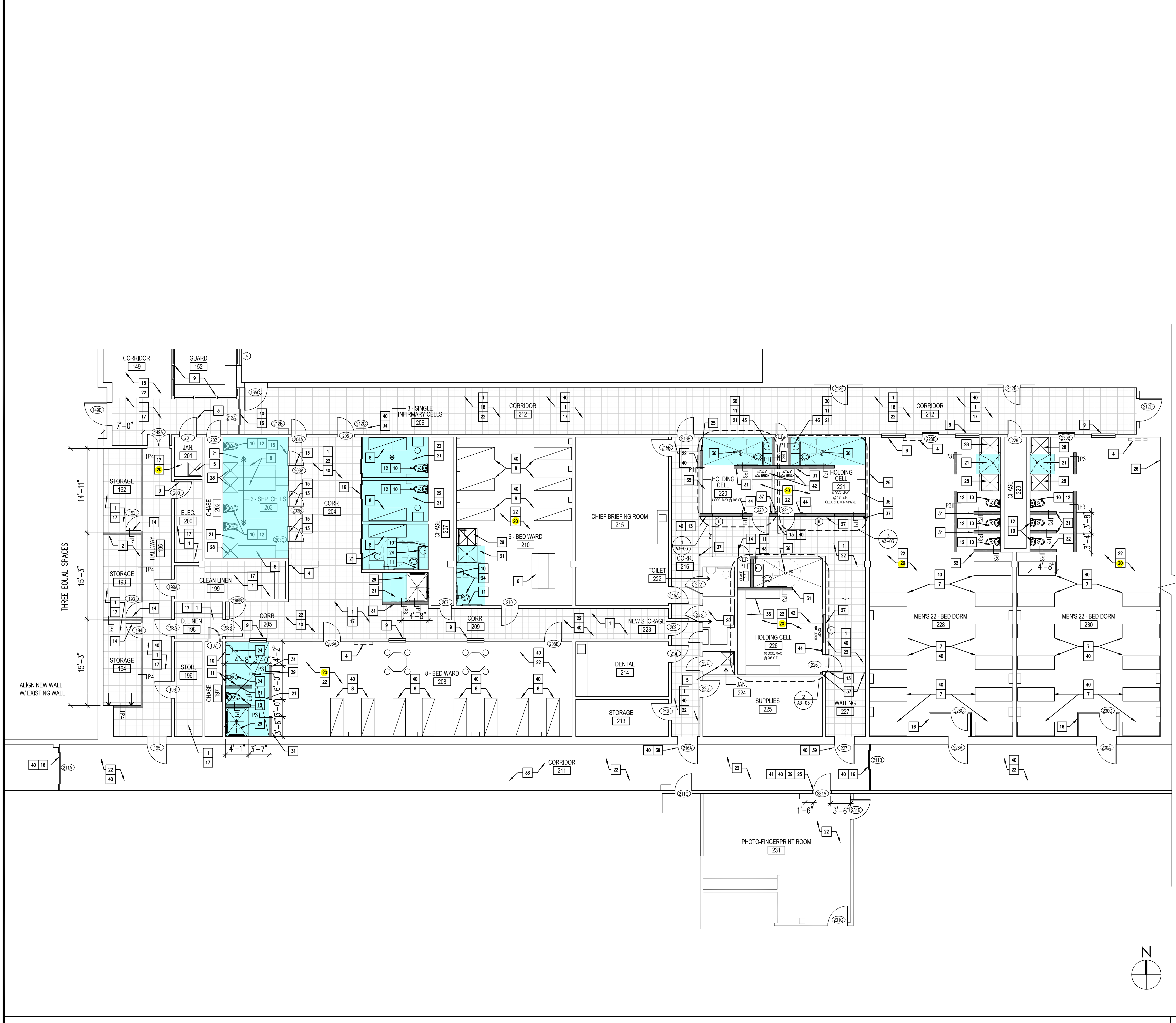
PROJECT: 2019-01
 CONSULTANT (S): Infrastructure Associates
 INFRASTRUCTURE ASSOCIATES, INC.
 6117 RICHMOND AVENUE,
 SUITE 200, HOUSTON, TEXAS 77057
 TYPE REGISTRATION NO. F-4506
 (713) 622-0120 PH
 (713) 622-0557 FAX
 WWW.IAHOUSTON.COM

FORT BEND COUNTY JAIL
 MAINTENANCE REPAIRS & RENOVATIONS
 1410 RICHMOND PARKWAY
 RICHMOND, TEXAS 77469

REVISION

ISSUED FOR: 100% CD	Issue Date: 04/16/2021
8036 Permit Review	
12/11/2020	SHEET NO. A1-03
SCALE: 1/8" = 1'-0"	

Printed On: Tuesday, April 13, 2021 - 5:21pm
 User Name: Christine



FIRST FLOOR - PART F - NEW FLOOR PLAN SCALE: 1/8"=1'-0" 2

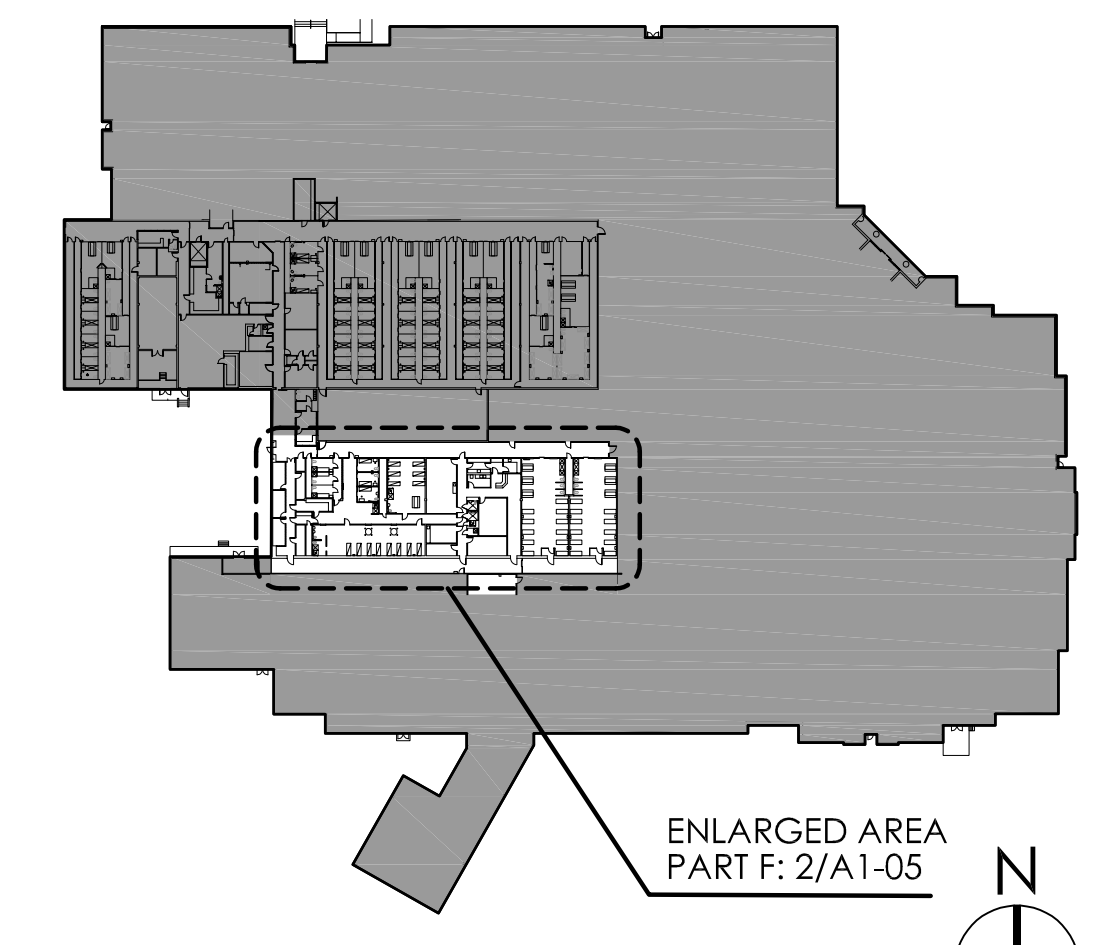
KEYNOTES:

- 1 NEW TORGINOL EPOXY QUARTZ COLOR GRANULES FLOORING 40-S.
- 2 4-7/8" NEW DRYWALL PARTITION UP TO 6" ABOVE CEILING, REFER TO DETAIL 4/A3-00.
- 3 REPLACE HARDWARE AT DOOR. (RE: A3-01, A3-02 & SECTION 08 71 00 ON A0-30)
- 4 NEW TAMPER RESISTANT MILLENNIUM-HIGH SECURITY TV DETENTION ENCLOSURES (BASIS OF DESIGN); TO BE INSTALLED PER MANUFACTURE REQUIREMENTS
- 5 NEW MOP SINK.
- 6 SANDBLAST EXISTING STEEL TABLE AND PRIME & PAINT, TO LIKE NEW CONDITION. RE-SPECS.
- 7 SANDBLAST EXISTING STEEL BUNKS, SHELVES, INDIVIDUAL DESK & STOOL, PRIME & PAINT W/ EPOXY FINISH
- 8 SANDBLAST EXISTING STEEL BEDS AND ADJACENT SHELVES; PRIME & PAINT WITH EPOXY FINISH.
- 9 PRIME & PAINT EXISTING WINDOW FRAME; COLOR TO BE SELECTED BY OWNER. RE-SPECS.
- 10 NEW CHROME-PLATED STEEL PRISON TYPE MIRROR, REFER TO DETAIL 8/A3-00.
- 11 NEW STAINLESS STEEL GRAB BARS.
- 12 NEW STEEL COMBINATION SINK/ TOILET. REFER TO A3-03 & P0-00.
- 13 NEW SECURED STEEL SHEET DOOR WITH WINDOW. RE-DOOR SCHEDULE
- 14 NEW METAL DOOR AND FRAME.
- 15 NEW TRANSITION STRIP, REFER TO DETAIL 2/A3-01.
- 16 SANDBLAST EXISTING SECURITY BARS; PRIME & PAINT FINISH TO LIKE NEW CONDITION. RE-SPECS.
- 17 NEW 4" RESILIENT/RUBBER BASE - TO BE DETERMINED BY OWNER.
- 18 CLEAN & SEAL EXISTING STRUCTURAL GLAZED BASE IN ACCORDANCE WITH THE NEW VCT INSTALLATION.
- 19 SANDBLAST, PRIME & PAINT EXISTING STEEL SHEET WALLS AND FOOD PASS. (RE: A1-03)
- 20 NEW EPOXY FLOORING; COLOR TO BE SELECTED BY OWNER. RE-SPECS.
- 21 SLIP RESISTANT EPOXY FLOORING, RE: SPECS Slip Resistant Epoxy; per note 21.
- 22 SANDBLAST EXISTING WALL, PRIME & PAINT, TO LIKE NEW CONDITION. RE-SPECS.
- 23 NEW FOAM PADDING AT FLOOR, WALLS AND DOOR, REFER TO DETAIL 5/A3-00. (RE: A1-03)
- 24 NEW STAINLESS STEEL TOILETS AND SINKS - ADA
- 25 PAINT, PATCH, AND REPAIR; WALL, CEILING, AND FLOORS PER NEW OPENING MODIFICATIONS TO MATCH EXISTING CONDITIONS.
- 26 PROTECT EXISTING ELECTRICAL AND PHONE EQUIPMENT; ENSURE ALL EXPOSED CONDUITS ARE STRAPPED EVERY 1'-0" WITH TAMPER RESISTANT SECURITY SCREWS.
- 27 NEW SECURITY WINDOW WITH 3/4" LEXAN GLAZING; METAL FRAME TO MATCH EXISTING. REFER TO WINDOW SCHEDULE ON A3-02.
- 28 NEW STAINLESS STEEL CABINET SHOWERS - LIGATURE RESISTANT
- 29 NEW STAINLESS STEEL SHOWERS AND GRAB BARS - ADA & LIGATURE RESISTANT (ACORN PENAL-WARE 1736 ADA-A SERIES WITH LR1741 ADA SERIES WALL SHOWER.)
- 30 NEW 6" CMU WALL; REFER TO DETAIL 1/A3-00.
- 31 NEW 6" CMU SCREEN LOW WALL 5' HT. REFER TO DETAIL 3/A3-00.
- 32 NEW 6" CMU SCREEN HIGH WALL, REFER TO DETAIL 1/A3-00.
- 33 REPLACE DOOR AND METAL FRAME. (RE: A1-01)
- 34 SAND DOWN OR USE LACQUER THINNER TO REMOVE PAINT FROM THE EXISTING WHEELHOUSES, G.C. TO PROTECT THE WHEELHOUSES AND ALL ELECTRICAL COMPONENTS FROM ANY DAMAGE DUE TO SAND BLASTING & PAINTING. PRIME & PAINT, TO LIKE NEW CONDITION.
- 35 CUSTOM LENGTH X 18" X 18" FLOOR MOUNTED STEEL BENCH; RE: SPECS.
- 36 NEW DETENTION GRADE SECURITY FLOOR DRAIN; ENSURE 2% SLOPE; PER TAS REQUIREMENTS.
- 37 NEW SECURITY CAMERA, G.C. TO VERIFY WITH OWNER FOR THE BRAND AND EXACT LOCATIONS OF NEW CAMERAS. (REFER TO ELECTRICAL/ENSURE ALL EXPOSED CONDUITS ARE STRAPPED EVERY 1'-0" WITH TAMPER RESISTANT SECURITY SCREWS.
- 38 CORRIDOR 211 REMAIN OPEN AS REQUIRED FIRE EXIT CORRIDOR FOR REST OF BUILDINGS DURING CONSTRUCTION. DOOR 211A, 211B, 211C REQUIRE PAINT AND/OR HARDWARE (SEE DOOR SCHEDULE). CONTRACTOR SHALL SCHEDULE A TIME WITH THE OWNER FOR CONSTRUCTION.
- 39 SECURITY DOOR WITH NEW HARDWARE & CARD READER ON BOTH SIDES, PAINT FINISH TO MATCH WITH EXISTING. REFER TO ELECTRICAL DRAWINGS.
- 40 PROVIDE NEW DETENTION GRADE NUMBERING SIGNAGE TO ALL DOORS, WHEELHOUSES, CELLS, AND BEDS AT ALL LOCATIONS; IN FLOOR PLAN, G.D. & F. TYPICAL. (COORDINATE NUMBERING SYSTEM WITH CORRECTIONAL FACILITY CONTROLS DEPARTMENT AND OWNER). INSTALL PER TAS/ADA, AND TEXAS COMMISSION ON JAIL STANDARDS.
- 41 REPAIR FLOORING TO LIKE NEW CONDITION; MATCH EXISTING, PROVIDE TRANSITION STRIP AS REQUIRED.
- 42 ADA 42" X 24" D STEEL BENCH RE-SPECS.
- 43 ACORN - LR1449 ADA - COMBO TOILET/LAV & DRINKING BUBBLER.
- 44 INSTALL TWO-WAY INTERCOM SYSTEM CONNECTING TO EXISTING NETWORK, I.D.F., VIEWED IN CENTRAL CONTROL ROOM. (REFER TO ELECTRICAL/ENSURE ALL EXPOSED CONDUITS ARE STRAPPED EVERY 1'-0" WITH TAMPER RESISTANT SECURITY SCREWS.

LEGEND:

	NEW FLOOR AREA: (BASIS OF DESIGN OR APPROVED EQUAL)
	TORGINOL EPOXY QUARTZ COLOR GRANULES FLOORING
	40-S; CUSTOM (08-1018) NEW MOON FORMULA:
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NOTES AND LEGEND



KEY PLAN SCALE: NTS 1

SIGMA ARCHITECTS

REGISTERED ARCHITECT
 6001 SAVOY DR., # 100 HOUSTON, TX, 77066
 TEL. (713) 995-8784 FAX (713) 995-8785

PROJECT #: 2019-01

CONSULTANT / (S): Infrastructure Associates

INFRASTRUCTURE ASSOCIATES, INC.
 6117 RICHMOND AVENUE, SUITE 200, HOUSTON, TEXAS 77057
 TYPE REGISTRATION NO. F-4506
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SIGMA ENGINEERING SERVICES
 8554 Katy Fwy, Suite 340 Houston, Texas 77024
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FORT BEND COUNTY JAIL

MAINTENANCE REPAIRS & RENOVATIONS

1410 RICHMOND PARKWAY
 RICHMOND, TEXAS 77469

REVISION	DATE

SHEET DESCRIPTION:
FIRST FLOOR
PART F - NEW FLOOR PLAN

ISSUED FOR:
100% CD

DATE:
04/16/2021

SCALE:
1/8" = 1'-0"

SHEET NO.
A1-05

Plotted On: Tuesday, April 13, 2021 - 5:21pm
 User Name: Chimenez

Exhibit B

Attachments

XHEZ.W-L-1479 - THROUGH-PENETRATION FIRESTOP SYSTEMS

Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

XHEZ - Through-penetration Firestop Systems

XHEZ7 - Through-penetration Firestop Systems Certified for Canada

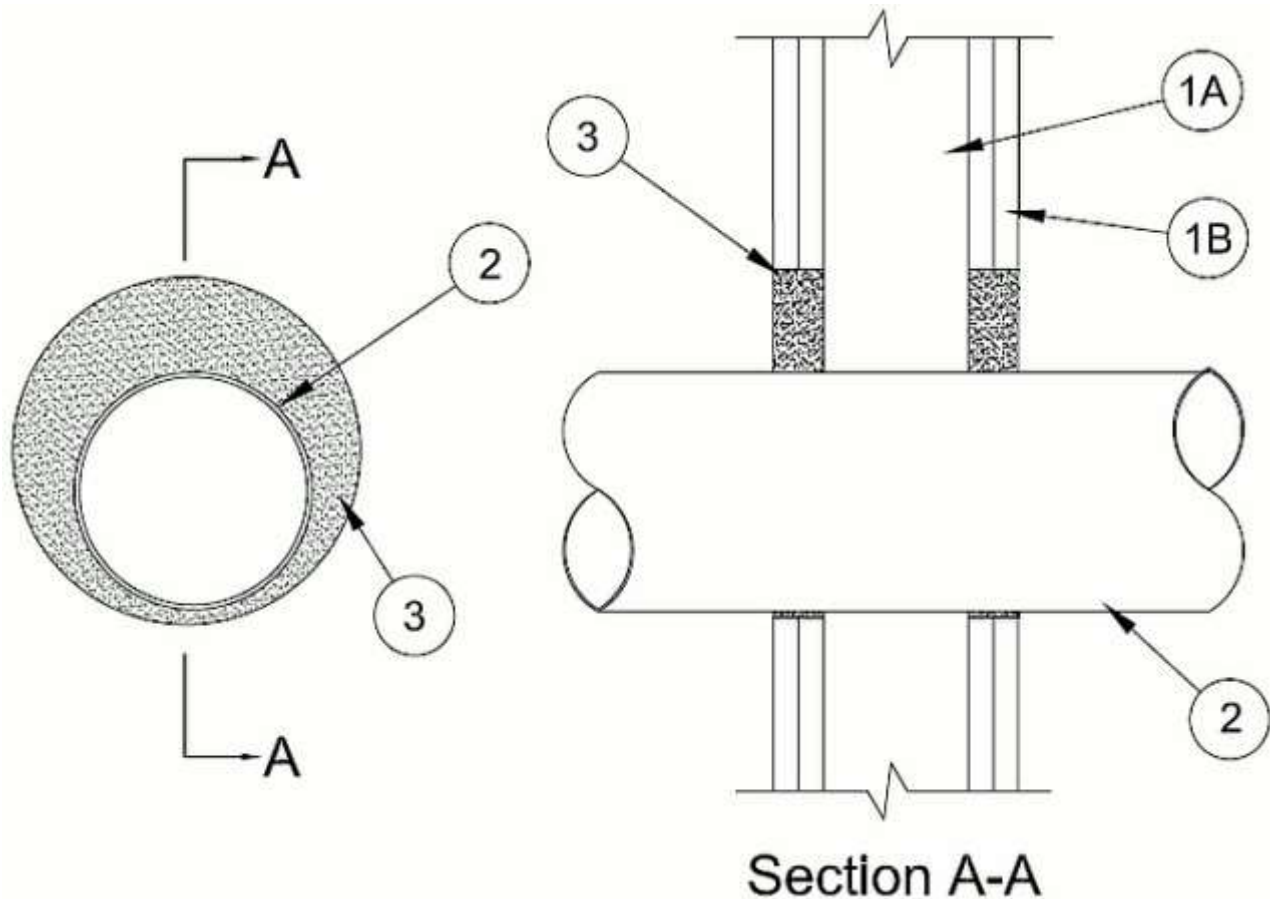
See General Information for Through-penetration Firestop Systems

See General Information for Through-penetration Firestop Systems Certified for Canada

System No. W-L-1479

August 01, 2013

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings — 2 Hr	F Ratings — 2 Hr
T Rating — 1/2 Hr	FT Rating — 1/2 Hr
L Rating at Ambient - Less than 1 CFM/sq ft	FH Ratings — 2 Hr
L Rating at 400 F - Less than 1 CFM/sq ft	FTH Rating — 1/2 Hr
	L Rating at Ambient - Less than 1 CFM/sq ft
	L Rating at 400 F - Less than 1 CFM/sq ft



1. **Wall Assembly** — The 2 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U400, V400 or W400 Series Wall or Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. **Studs** — Wall framing shall consist of min 3-1/2 in. (89 mm) wide steel studs spaced max 24 in. (610 mm) OC.

B. **Gypsum Board*** — Min two layers of 5/8 in. gypsum board attached to studs with fasteners, as specified in the individual U400, V400 or W400 Series design. Max diam of opening is 12-1/2 in. (318 mm).

2. **Through-Penetrant** — One metallic pipe, conduit or tubing installed either concentrically or eccentrically within the firestop system. The annular space between pipe, conduit or tubing and periphery of opening shall be min of 1/2 in. (13 mm) to max 3-3/8 in. (86 mm). Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:

A. **Steel Pipe** — Nom 8 in. (203 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.

B. **Iron Pipe** — Nom 8 in. (203 mm) diam (or smaller) service weight (or heavier) cast iron soil pipe, nom 12 in. diam (or smaller) or Class 50 (or heavier) ductile iron pressure pipe.

C. **Conduit** — Nom 6 in. (152 mm) diam (or smaller) steel conduit or nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing.

D. **Copper Tubing** — Nom 4 in. (102 mm) diam (or smaller) Type L (or heavier) copper tubing.

E. **Copper Pipe** — Nom 4 in. (102 mm) diam (or smaller) Regular (or heavier) copper pipe.

3. **Fill, Void or Cavity Material*** — **Foam** — Min 1-1/4 in. (32 mm) thickness of fill material applied within the annulus, flush with both surfaces of wall.

3M COMPANY — Fire Barrier Rated Foam, FIP 1-Step

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

Last Updated on 2013-08-01

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL's Follow-Up Service. Always look for the Mark on the product.

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