



Photo: I—Failing sealant at site concrete flatwork



Photo: K—Rust staining from flag pole mounts



Photo: J—Rust staining on site flatwork at east plaza



Photo: L—Exposed speaker conduit and wires



Photo: **M**—Cracking and spalling at embedded steel anchors

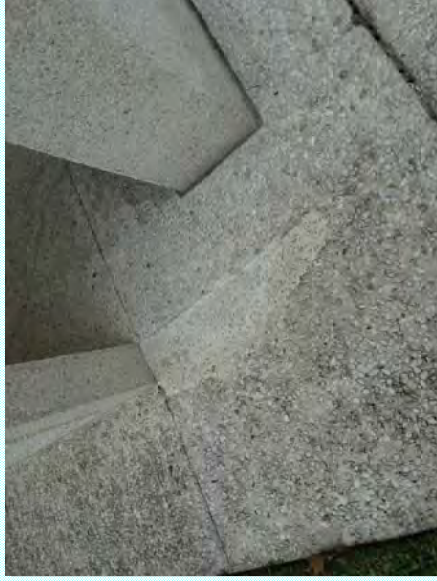


Photo: **O**—Previous site concrete patchwork separation



Photo: **N**—Large divots at base of panels and flatwork



Photo: **P**—Large divots and cracks at base of column and flatwork



Photo: Q—Biological growth on previous patchwork at top of panel



Photo: S & T—Tree overgrowth onto upper deck and ponding



Photo: R—Horizontal cracking at inside of upper panel



Photo: U—Biological growth and finish spalling at header of door



Photo: V—Bubbling and spalling of finish at underside of deck



Photo: X—Divots at concrete panel



Photo: W—Visual observation of water seeping through deck



Photo: Y—Severe spalling at decking, exposed reinforcing steel



Photo: Z—Vertical cracking at stair railing



Photo: BB—Horizontal cracking at stair riser



Photo: AA—Severe cracking at underside of upper panels



Photo: CC—Sealant joints separation and deterioration



Photo: DD—Biological growth and staining at podium canopy



Photo: FF—Crack at speaker podium canopy



Photo: EE—Staining at podium canopy scupper



Photo: GG—Failing sealant, water ponding and staining at light wells



Photo: HH—Water ponding, biological growth and failing sealants



Photo: JJ—Large crack on the east side of the tower



Photo: II—Biological growth at speaker canopy drainage to site



Photo: KK—Hollow metal door at the base of the tower is rusted through

Chapel Existing Condition—Photo Index



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Photo: A—Existing fabric canopy is showing natural wear



Photo: C—Moisture staining at window sills, typical

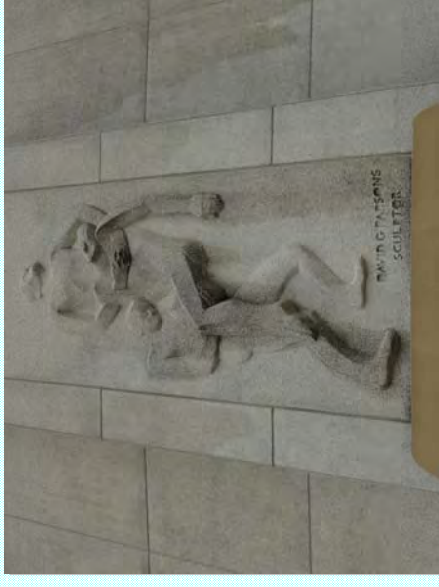


Photo: B—Relief sculpture contains moisture staining



Photo: D—Existing storm panels show signs of movement

Chapel Existing Condition—Photo Index



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Photo: E—Horizontal cracking at upper corner of panel



Photo: F—Moisture staining at window header on exterior



Photo: G1—Deterioration at base of HM doors and wood veneer



Photo: G2—Deterioration at base of HM doors and wood veneer

Chapel Existing Condition—Photo Index



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Photo: H—Tile entry is not compatible with the architecture



Photo: J—Staining at the carpeted steps

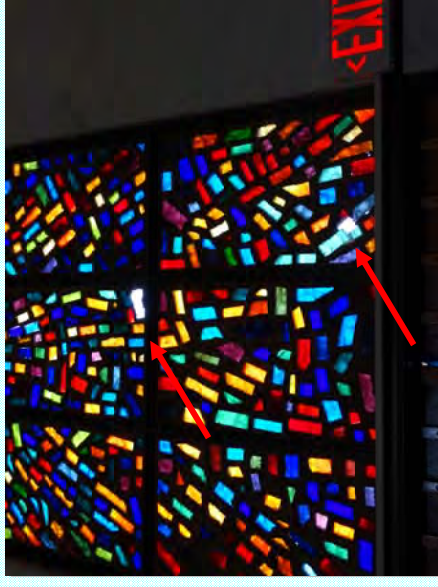


Photo: I—At least 5 missing stained mosaic pieces



Photo: K—Restroom tile and grout are showing natural wear and staining

Chapel Existing Condition—Photo Index



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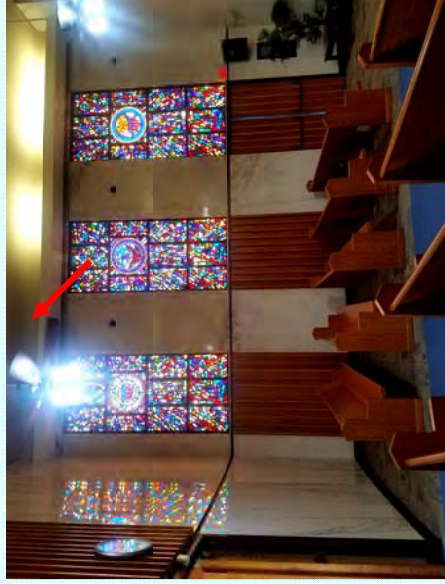


Photo: L—Several cove light fixtures are not working



Photo: N—There is a black rubber base over the original marble base



Photo: M—Wood doors at vestibule are unfinished



Photo: O—Acoustic ceiling tiles in janitor contain moisture damage

Chapel Existing Condition—Photo Index



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Photo: P—Wood paneling finish is fading inside nave



Photo: R—Two areas of minor terrazzo floor damage

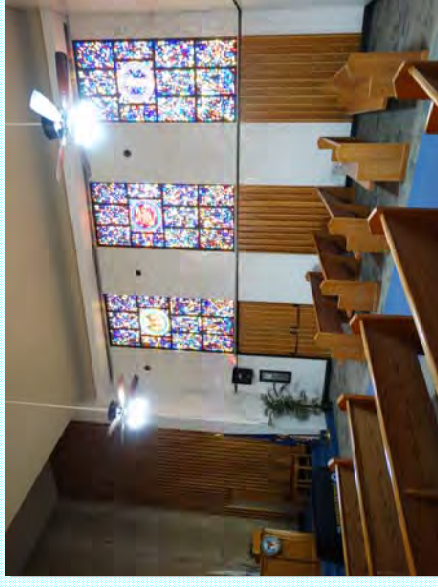


Photo: Q—Incompatible ceiling fans in nave

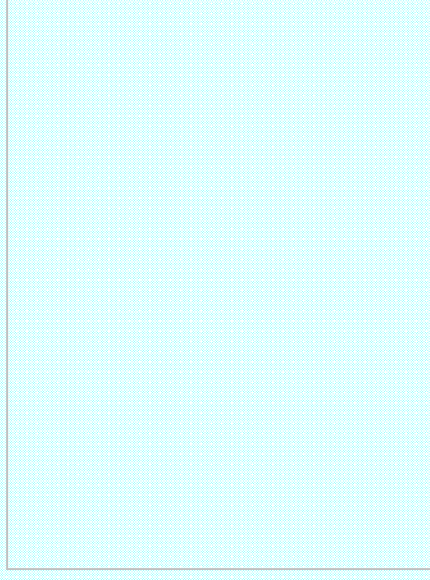


Photo: Not used

Administrative Building Existing Condition—Photo Index



Photo: A—Chipped edge at bottom of floating panel



Photo: C—Consistent staining and biological growth on concrete panel joints



Photo: B—Consistent staining at the underside of floating panels



Photo: D—Deteriorated sealant at flatwork along building footprint

Maintenance Building 3001 Existing Condition—Photo Index



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Photo: A—Coating in the garage at ceiling is peeling off



Photo: C—Coating in the garage at the overhead door is peeling off



Photo: B—Coating in garage at wall is spalling off



Photo: D—Metal door frame is beginning to rust at the base

Maintenance Building 3001 Existing Condition—Photo Index



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Photo: E—Underside of floating panel is damaged and missing sealant



Photo: G—Sealant joint is unsound



Photo: F—Several penetrations are not sealed properly



Photo: H—Horizontal cracking at concrete column

Maintenance Building 3001 Existing Condition—Photo Index



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Photo: I—Moisture staining, typical

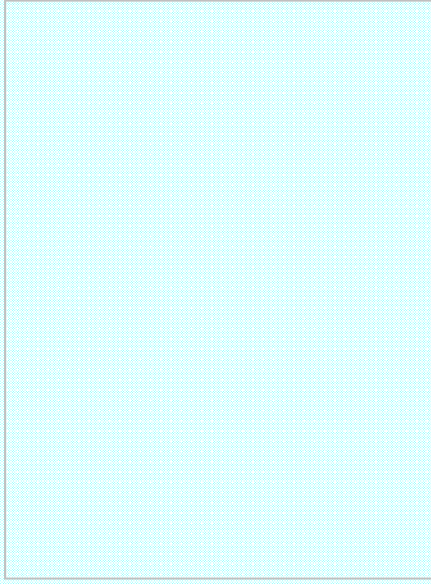


Photo: Not used



Photo: J—Cracking at penetration on South Elevation

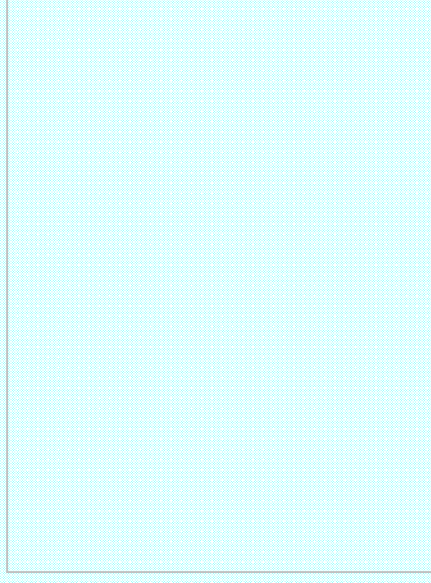


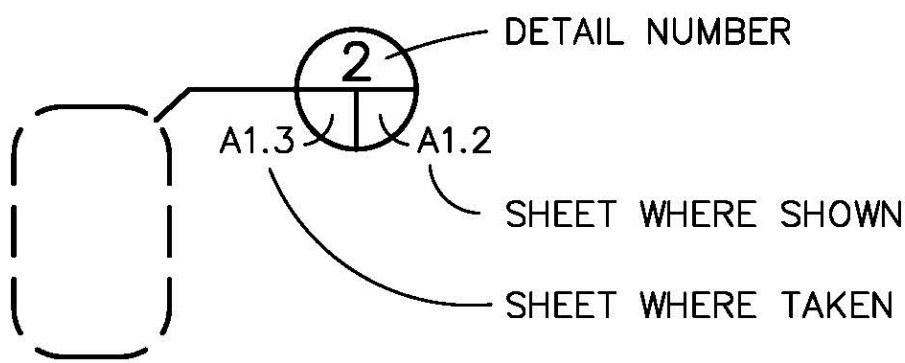
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Attachment 5

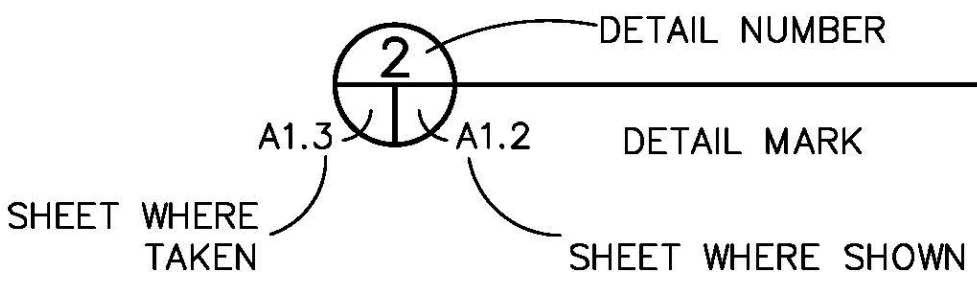
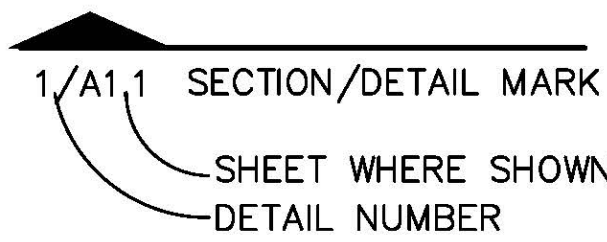
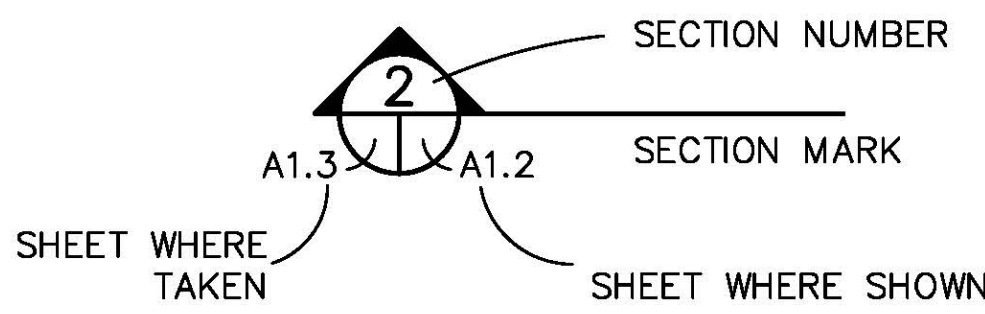
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SYMBOLS LEGEND

- ① DOOR NUMBER
- ROOM
118 ROOM NAME AND NUMBER
- A WINDOW TYPE AND NUMBER
- 6 NOTES BY SYMBOL
- A INTERIOR FINISH DESIGNATION
- +0000.3 FINISHED ELEVATION
- 0 WALL TYPE REF. SHEET A6.01



NOTE: NOT ALL SYMBOLS SHOWN
APPEAR IN THESE DRAWINGS



BUILDING INFORMATION

INTERIOR & EXTERIOR RENOVATION (NO ADDITIONS)

CONSTRUCTION APPLICABLE CODES

2012	INTERNATIONAL BUILDING CODE (IBC)
2012	UNIFORM MECHANICAL CODE
2012	UNIFORM PLUMBING CODE
2012	INTERNATIONAL FIRE CODE
2015	INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
2017	NATIONAL ELECTRICAL CODE (NEC)
2012	TAS-TEXAS DEPARTMENT OF LICENSING & REGULATION (ACCESSIBILITY)

BUILDING AREA

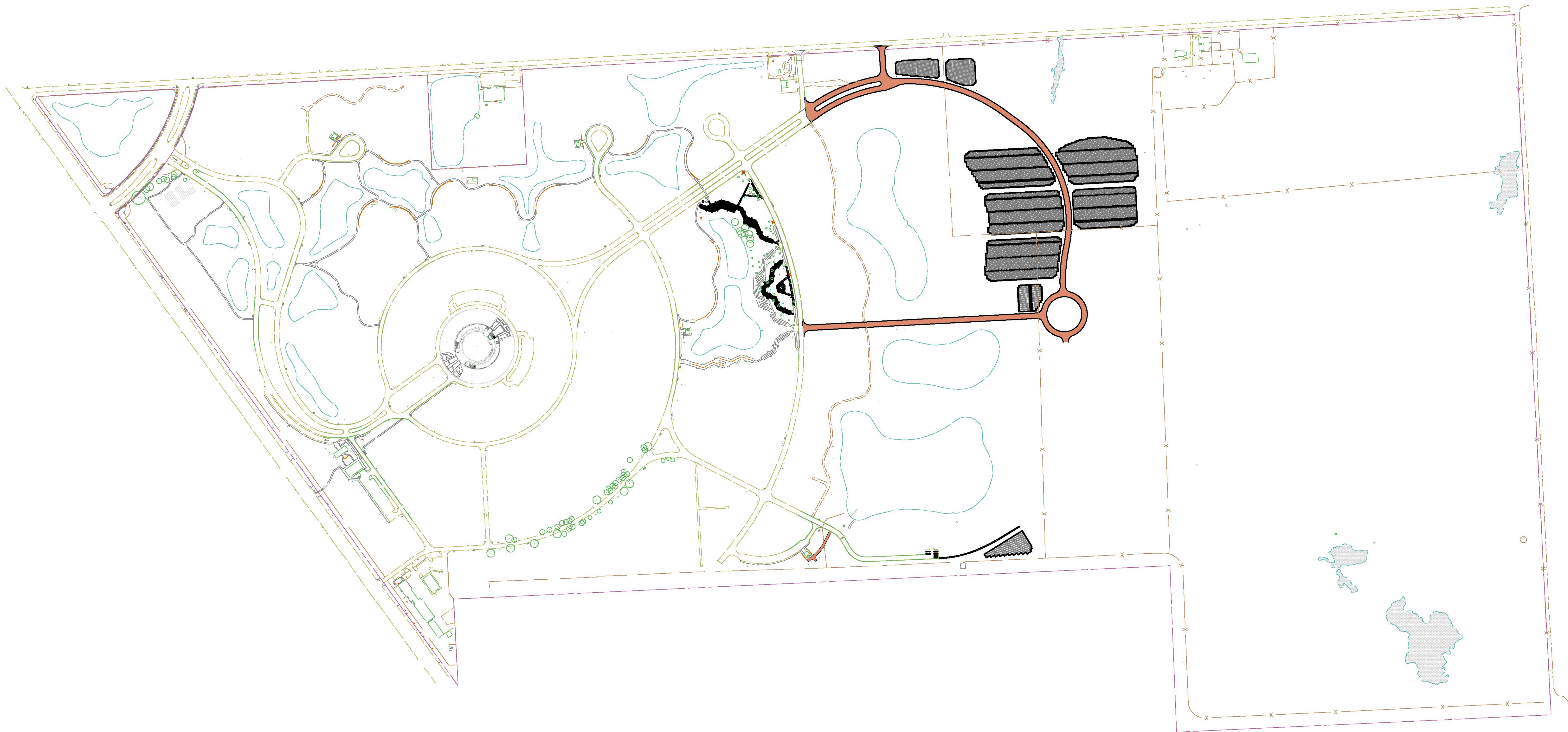
ALL EXISTING, UNCHANGED

OCCUPANCY

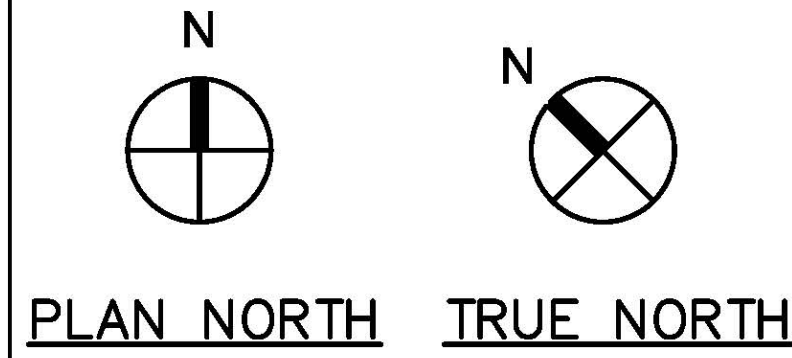
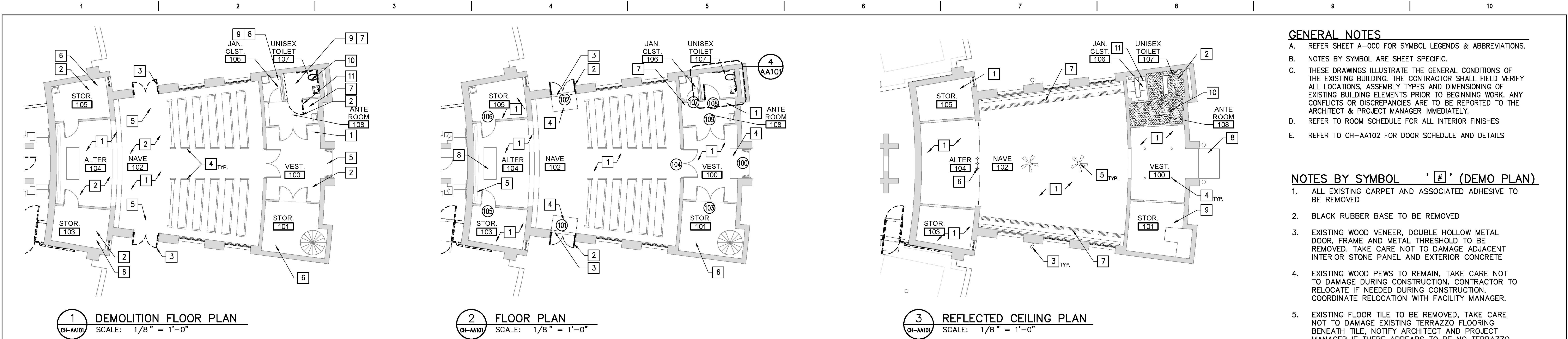
A-3; ASSEMBLY, NOT SPRINKLED BUILDING - UNCHANGED

GENERAL NOTES

- ALL DIMENSIONS ARE GIVEN IN ENGLISH MEASUREMENTS.
- DO NOT SCALE DRAWINGS. USE DIMENSIONS GIVEN ON PLANS UNLESS OTHERWISE NOTED. OR USE EQUAL/EQUAL AND ALIGN SURFACES TO LOCATE PARTITIONS. NOTIFY THE RESIDENT ENGINEER OF MISSING DIMENSIONS AND DISCREPANCIES FOR RESOLUTION PRIOR TO PROCEEDING WITH THE WORK.
- ALL DIMENSIONS ARE FROM FACE OF STUD, FACE OF BRICK OR CMU, OR CENTERLINE OF GRID, UNLESS OTHERWISE NOTED.
- ALL EXISTING CONDITIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR. ANY DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND THE CONTRACT DOCUMENTS SHALL BE REPORTED TO THE RESIDENT ENGINEER PRIOR TO STARTING ANY CONSTRUCTION IN THE AREA. CONCERNED.
- IT IS INTENDED THAT THE FACE OF EVERY CONTINUOUS PARTITION SHALL BE FLUSH WITHOUT OFFSETS. CHANGES IN PARTITION THICKNESS SHALL OCCUR ONLY AS INDICATED ON FLOOR PLANS.
- ALL WOOD BLOCKING SHALL BE FIRE-RETARDANT TREATED.
- PROVIDE PARTITION BLOCKING FOR ALL EQUIPMENT, CASEWORK AND ACCESSORIES AS SHOWN ON DRAWINGS AND SPECIFICATIONS.
- COORDINATE WITH ENGINEERING DRAWINGS FOR LOCATIONS OF EQUIPMENT AND CONCRETE HOUSEKEEPING PADS.



		CONSULTANT			ARCHITECT/ENGINEER OF RECORD		STAMP	Office of Construction and Facilities Management		Drawing Title BUILDING INFORMATION AND LEGENDS	Phase DESIGN DEVELOPMENT	Project Title HOUSTON NATIONAL CEMETERY PHASE 5 DEVELOPMENT		Project Number 851PC2048
		The LA Group (518) 587-8100	Aqua Engineering, Inc. (870) 372-8104	OCMI (202) 807-7575	Gordon 148 S. Queen Street, Suite 201 Martinsburg, WV 25401 Phone: 304-725-8456 www.gordon.us.com			VA U.S. Department of Veterans Affairs		Approved: Project Director		Location HARRIS COUNTY, TEXAS		Drawing Number AA-AA000 Dwg. 107 of 148
Revisions:		IVI (512) 480-0032	AES Group (303) 841-3922	Gilpin Engineering (512) 220-8100								Issue Date May 24, 2019	Checked KK	Drawn VR
		Komatsu Inc. (817) 587-8100	ECS Midwest LLC. 847-279-0368	GIS, Inc. (205) 941-0442										



ROOM FINISH AND COLOR SCHEDULE

SPACE		FLOOR	BASE	WALL				CEILING		REMARKS BY NUMBER
				N	E	S	W	MAT'L	HEIGHT	
100	VESTIBULE	ETZ	EMB	EW	EM, P1	EW	EM	P1	11'-0" VIF	4,5
101	STORAGE	EC	RB	P1	P1	P1	P1	P1	11'-0" VIF	6,1
102	NAVE	ETZ	EMB	EM,EW	EM,EW	EM,EW	EM	P1	21'-6" VIF	4
103	STORAGE	ETZ	ETZB	P1	P1	P1	P1	P1	8'-8" VIF	3,4
104	ALTER	ETZ	EMB	EW,	-	EW	EM	P1	23'-6" VIF	4
105	STORAGE	ETZ	ETZB	P1	P1	P1	P1	P1	8'-6" VIF	3,4
106	JANITOR CLOSET	FT	BT	P1	P1	P1	P1	AT	8'-6" VIF	7
107	UNISEX TOILET	FT	BT	WT	WT	WT	WT	P1	8'-6" VIF	8
108	ANTE ROOM	ETZ	ETZB	P1	P1	P1	EW,P1	P1	8'-6" VIF	9

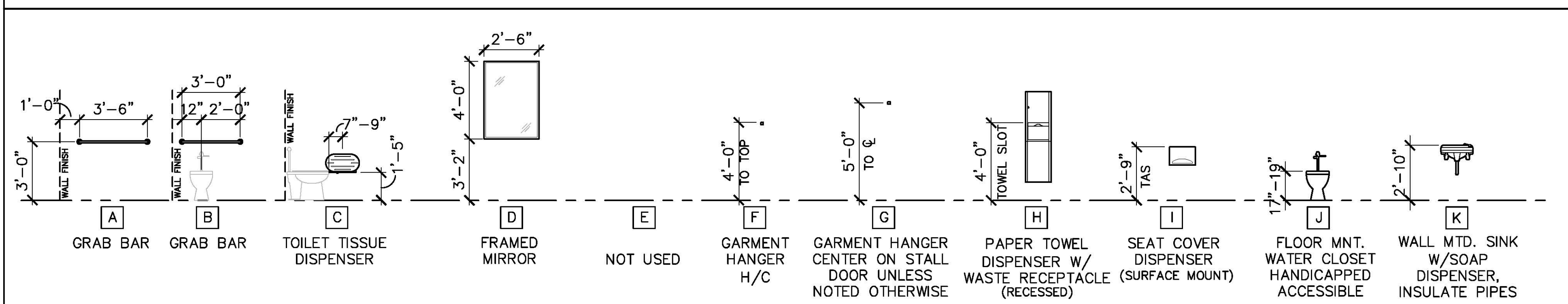
ROOM FINISH/ COLOR LEGEND

ACOUSTIC CEILING TILE, ONLY. -MATCH EXISTING	4" RUBBER BASE - ROPPE #193 BLACK BROWN
EXISTING CONCRETE FLOOR	EXISTING TERRAZZO BASE
CERAMIC WALL TILE 1. TBD 2. TBD	EXISTING WOOD PANELING
EXISTING TERRAZZO FLOOR	EXISTING PLASTER/NEW GYPSUM BOARD - PAINT 1. BENJAMIN MOORE -MATCH EXISTING COLOR 2. BENJAMIN MOORE -MATCH EXISTING COLOR
EXISTING MARBLE WALL BASE - BLACK	EXISTING MARBLE PANELING
CARPET MODULE TILE - (ALTERNATE)	CERAMIC FLOOR TILE, TBD
	CERAMIC BASE TILE, TBD

REMARKS BY NUMBER

- EXISTING CONCRETE CEILING, CLEAN, PREP AND PAINT.
- REFINISH WOOD PANELING AND VERTICAL BATTENS.
- EXISTING PLASTER WALLS, ALL FOUR SIDES, CLEAN, PREP AND PAINT.
- EXISTING PLASTER CEILING, CLEAN PREP AND PAINT 'P1'.
- CLEAN, REPAIR AND REFINISH MARBLE BASE, THIS ROOM.
- ALL WALLS ARE EXISTING COATED MASONRY, CLEAN, PREP, AND PAINT.
- EXISTING CEILING GRID TO REMAIN, REPLACE ACOUSTIC CEILING TILES ONLY, AND REPAIR GRID AS NEEDED.
- NEW GYPSUM CEILING, PAINT 'P1' UNLESS NOTED OTHERWISE.
- NEW GYPSUM PLASTER CEILING, COORDINATE HEIGHT WITH ABOVE CEILING EQUIPMENT.

FIXTURE LEGEND



CONSULTANT			ARCHITECT/ENGINEER OF RECORD		STAMP	Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs	Drawing Title CHAPEL DEMOLITION AND REHABILITATION FLOOR PLAN Approved: Project Director	Phase DESIGN DEVELOPMENT	Project Title HOUSTON NATIONAL CEMETERY PHASE 5 DEVELOPMENT	Project Number 851PC2048
The LA Group (518) 587-8100	Aqua Engineering, Inc. (970) 372-6104	OCMI (202) 607-7575	148 S. Queen Street, Suite 201 Martinsburg, WV 25401 Phone: 304-725-8456 www.gordon.us.com							
rvl (512) 480-0032	AES Group (303) 841-3922	Gilpin Engineering (512) 220-8100	PROGRAMMING AND PLANNING CIVIL ENGINEERING LANDSCAPE ARCHITECTURE SURVEY AND MAPPING SECURITY CONSULTING							
Komatsu Inc. (817) 587-8100	ECS Midwest LLC. 847-279-0366	GIS, Inc. (205) 941-0442								
Revisions:	Date:								Location HARRIS COUNTY, TEXAS	Drawing Number CH-AA101 Dwg. 108 of 146
									Issue Date May 24, 2019	Checked KK
									Drawn VR	

GENERAL NOTES

- REFER SHEET A-000 FOR SYMBOL LEGENDS & ABBREVIATIONS.
- NOTES BY SYMBOL ARE SHEET SPECIFIC.
- THESE DRAWINGS ILLUSTRATE THE GENERAL CONDITIONS OF THE EXISTING BUILDING. THE CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS, ASSEMBLY TYPES AND DIMENSIONING OF EXISTING BUILDING ELEMENTS PRIOR TO BEGINNING WORK. ANY CONFLICTS OR DISCREPANCIES ARE TO BE REPORTED TO THE ARCHITECT & PROJECT MANAGER IMMEDIATELY.
- REFER TO ROOM SCHEDULE FOR ALL INTERIOR FINISHES
- REFER TO CH-AA102 FOR DOOR SCHEDULE AND DETAILS

NOTES BY SYMBOL ' #' (DEMO PLAN)

- ALL EXISTING CARPET AND ASSOCIATED ADHESIVE TO BE REMOVED
- BLACK RUBBER BASE TO BE REMOVED
- EXISTING WOOD VENEER, DOUBLE HOLLOW METAL DOOR, FRAME AND METAL THRESHOLD TO BE REMOVED. TAKE CARE NOT TO DAMAGE ADJACENT INTERIOR STONE PANEL AND EXTERIOR CONCRETE
- EXISTING WOOD PEWS TO REMAIN, TAKE CARE NOT TO DAMAGE DURING CONSTRUCTION. CONTRACTOR TO RELOCATE IF NEEDED DURING CONSTRUCTION. COORDINATE RELOCATION WITH FACILITY MANAGER.
- EXISTING FLOOR TILE TO BE REMOVED, TAKE CARE NOT TO DAMAGE EXISTING TERRAZZO FLOORING BENEATH TILE, NOTIFY ARCHITECT AND PROJECT MANAGER IF THERE APPEARS TO BE NO TERRAZZO BENEATH FLOOR TILE.
- CONTRACTOR TO RELOCATE AND STORE ALL EXISTING ELEMENTS TEMPORARILY WITH IN CHAPEL STORAGE ROOMS, THROUGHOUT CONSTRUCTION. COORDINATE WITH FACILITY MANAGER.

NOTES BY SYMBOL ' #' (RCP)

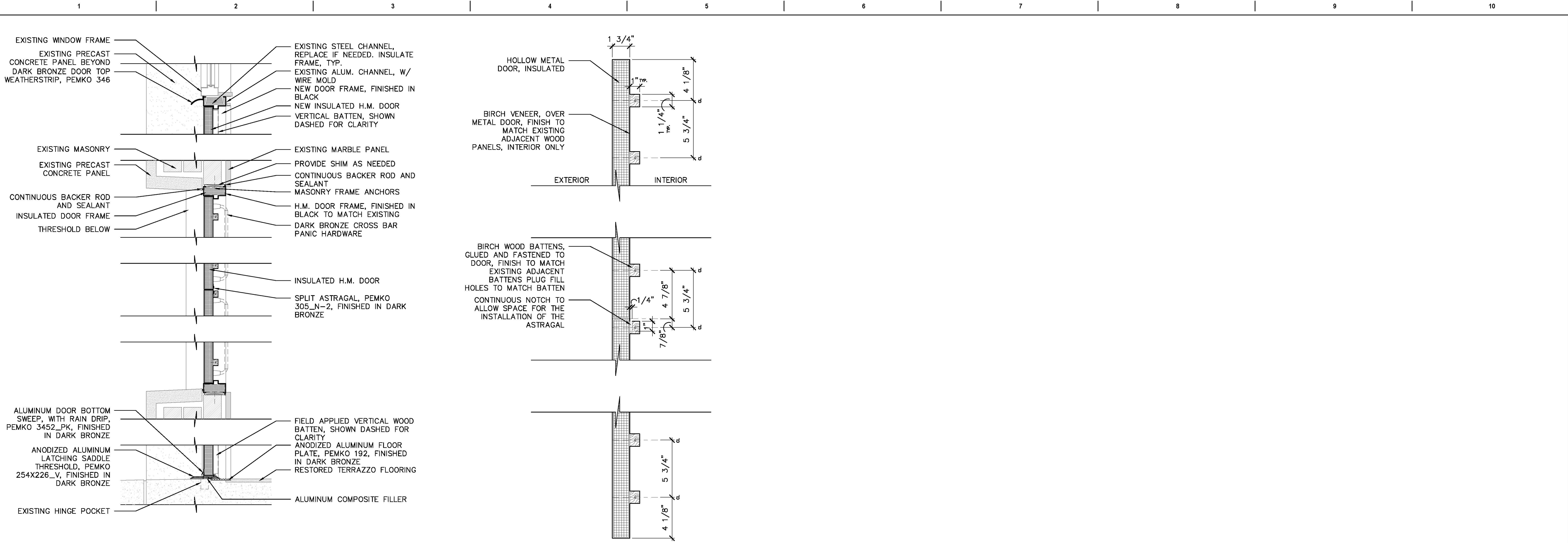
- INSPECT ALL EXISTING PLASTER CEILINGS, CLEAN, PREP AND PAINT ALL PLASTER CEILINGS. PATCH OR REPAIR IF NEEDED. ASSUME 25 SF OF REPAIRS.
- INSTALL NEW GYPSUM BOARD CEILING, PAINT. REFER TO ROOM SCHEDULE.
- EXISTING EXTERIOR WALL LIGHT FIXTURE, REFERENCE ELECTRICAL
- EXISTING RECESSED DOWN LIGHT, REFERENCE ELECTRICAL
- EXISTING CEILING FAN, REFERENCE ELECTRICAL
- EXISTING SURFACE MOUNTED LIGHTS, REFERENCE ELECTRICAL
- EXISTING LIGHT COVE, CLEAN AND PAINT, REFERENCE ELECTRICAL FOR ADDITIONAL INFORMATION
- EXISTING FABRIC AWNING
- EXISTING CONCRETE CEILING, CLEAN AND PAINT.
- NEW GYPSUM PLASTER CEILING, PAINT TO MATCH EXISTING PLASTER COLOR. MATCH HEIGHT OF REMOVED TILE CEILING.
- INSTALL NEW ACOUSTIC CEILING TILES ONLY, MATCH EXISTING TO BE REMOVED. CLEAN AND REPAIR EXISTING SUSPENDED CEILING GRID.

GENERAL FLOOR PLAN REHABILITATION NOTES

- ALL EXISTING MARBLE STONE WALL PANELS ARE TO BE CLEANED AND REHABILITATED, REFER TO SPECIFICATIONS (APPROX: 1700 SF)
- ALL EXISTING STONE WALL PANELS AT ALTER ARE TO BE CLEANED AND REHABILITATED, REFER TO SPECIFICATIONS (APPROX: 320 SF)
- ALL EXISTING VERTICAL WOOD BATTENS AND WALL PANELING TO BE CLEANED, PREPPED, AND REFINISHED IN ALL SPACES, MATCH EXISTING FINISH (APPROX: 960 SF)
- ALL EXISTING MARBLE WALL BASE TO BE CLEANED, REPAIRED AND REFINISHED (APPROX: 140 LF)
- PAINT ALL EXISTING PAINTED WALLS AND CEILINGS 'P1' UNLESS NOTED OTHERWISE, REFERENCE ROOM FINISH SCHEDULE
- ALL EXISTING WOOD INTERIOR DOORS AND HARDWARE ARE TO BE CLEANED, REPAIRED AND REFINISHED. REFER TO DOOR SCHEDULE

NOTES BY SYMBOL ' #' (FLOOR PLAN)

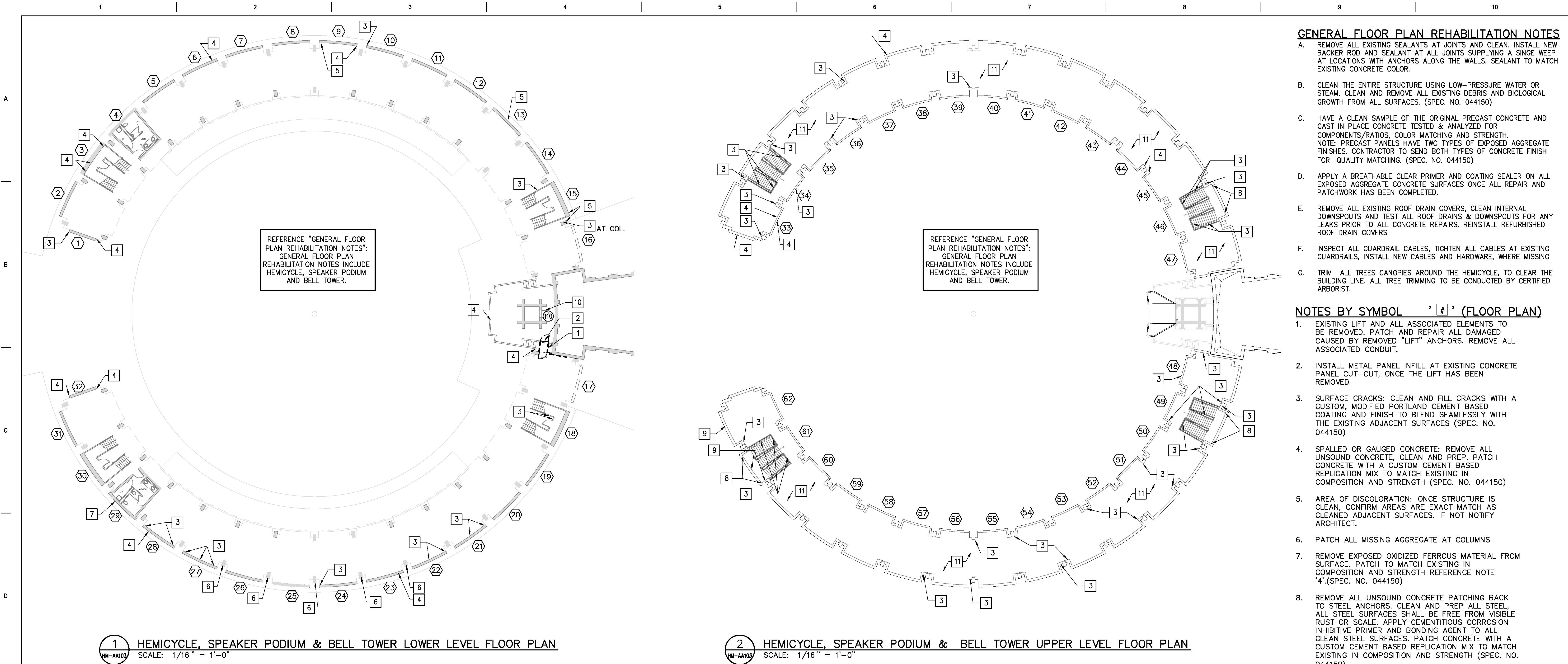
- STRIP, CLEAN, REPAIR AND REFINISH EXISTING TERRAZZO FLOOR THROUGHOUT CHAPEL (APPROX: 1,500 SF)
- INSTALL NEW DOUBLE HOLLOW METAL DOOR (INSULATED) WITH FRAME AND PANIC HARDWARE
2.1. DOORS ARE TO RECEIVE WOOD VENEER ON FACE AND VERTICAL WOOD BATTENS, TO MATCH ADJACENT WOOD PANELS ON INTERIOR
- INSTALL NEW WEATHER TIGHT METAL THRESHOLD
- INSTALL NEW TERRAZZO FLOOR TO MATCH EXISTING, ASSUMING EXISTING IS BEYOND REPAIR BENEATH THE REMOVED FLOOR TILE. (ADD ALT. APPROX: 60 SF)
- CLEAN METAL FLOOR GRATE AND REPAINT TO MATCH EXISTING
- INSTALL NEW RUBBER BASE, THIS ROOM
- REPAIR CRACKED TERRAZZO FLOORING
- CLEAN AND PREP AND REFINISH STONE ALTAR



1 DOOR 101 & 102 DETAILS
CH-AA102 SCALE: 1 1/2" = 1'-0"

2 DOOR 101 & 102 PANEL DETAILS
CH-AA102 SCALE: 3" = 1'-0"

DOOR SCHEDULE												DOOR SCHEDULE NOTES				ABBREVIATIONS		GENERAL NOTES	
DOOR					FRAME					HARDWARE	NOTES BY NUMBER	SIGNAGE	HM — HOLLOW METAL EXIST(EX) — EXISTING TO REMAIN WD — WOOD WS — WOOD STAIN, MATCH EXISTING		A. THIS DOOR SCHEDULE CORRESPONDS WITH DOOR DESIGNATIONS ON SHEETS AA101, AND AA102 B. REFER TO SHEET AA101, ROOM FINISH SCHEDULE FOR ALL COLORS. D. COORDINATE FINAL KEYING SELECTION WITH FACILITY MANAGER, SCOTT WEBER				
MARK	DOOR SIZE		TYPE	MAT'L	FINISH	MAT'L	FINISH	DETAIL									SET NO.	TYPE	
	WIDTH X HEIGHT	THK.						HEAD	JAMB	SILL									
100	EXIST(VIF)		EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	—	—						
101	5'-0" X 7'-9"(VIF)		1 3/4"	A	HM	P2	HM	HM	TBD	TBD	TBD	6,	—						
102	5'-0" X 7'-9"(VIF)		1 3/4"	A	HM	P2	HM	HM	TBD	TBD	TBD	TBD	6,					—	
103	EXIST(VIF)		EXIST	EX	EXIST	WS	EXIST	EXIST	EXIST	EXIST	EXIST	TBD	2					—	
104	EXIST(VIF)		EXIST	EX	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	3,					—	
105	EXIST(VIF)		EXIST	EX	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	4,					—	
106	EXIST(VIF)		EXIST	EX	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	TBD	4,					—	
107	EXIST(VIF)		EXIST	EX	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	4,					—	
108	3'-0" X 7'-0"		1 3/4"	C	WD	WS	HM	P2	TBD	TBD	TBD	TBD	5,					—	
109	EXIST(VIF)		EXIST	EX	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	1,					—	
110	3'-0" X 7'-0"(VIF)		1 3/4"	B	HM	P2	HM	P2	TBD	TBD	TBD	TBD	7					—	
												8. PROVIDE DOOR MOUNTED WOOD ASTRAGAL WITH WEATHER STRIPPING							



GENERAL FLOOR PLAN REHABILITATION NOTES

- A. REMOVE ALL EXISTING SEALANTS AT JOINTS AND CLEAN. INSTALL NEW BACKER ROD AND SEALANT AT ALL JOINTS SUPPLYING A SINGE WEEP AT LOCATIONS WITH ANCHORS ALONG THE WALLS. SEALANT TO MATCH EXISTING CONCRETE COLOR.
- B. CLEAN THE ENTIRE STRUCTURE USING LOW-PRESSURE WATER OR STEAM. CLEAN AND REMOVE ALL EXISTING DEBRIS AND BIOLOGICAL GROWTH FROM ALL SURFACES. (SPEC. NO. 044150)
- C. HAVE A CLEAN SAMPLE OF THE ORIGINAL PRECAST CONCRETE AND CAST IN PLACE CONCRETE TESTED & ANALYZED FOR COMPONENTS/RATIOS. COLOR MATCHING AND STRENGTH. NOTE: PRECAST PANELS HAVE TWO TYPES OF EXPOSED AGGREGATE FINISHES. CONTRACTOR TO SEND BOTH TYPES OF CONCRETE FINISH FOR QUALITY MATCHING. (SPEC. NO. 044150)
- D. APPLY A BREATHABLE CLEAR PRIMER AND COATING SEALER ON ALL EXPOSED AGGREGATE CONCRETE SURFACES ONCE ALL REPAIR AND PATCHWORK HAS BEEN COMPLETED.
- E. REMOVE ALL EXISTING ROOF DRAIN COVERS, CLEAN INTERNAL DOWNSPOUTS AND TEST ALL ROOF DRAINS & DOWNSPOUTS FOR ANY LEAKS PRIOR TO ALL CONCRETE REPAIRS. REINSTALL REFURBISHED ROOF DRAIN COVERS
- F. INSPECT ALL GUARDRAIL CABLES, TIGHTEN ALL CABLES AT EXISTING GUARDRAILS, INSTALL NEW CABLES AND HARDWARE, WHERE MISSING
- G. TRIM ALL TREES CANOPIES AROUND THE HEMICYCLE, TO CLEAR THE BUILDING LINE. ALL TREE TRIMMING TO BE CONDUCTED BY CERTIFIED ARBORIST.

NOTES BY SYMBOL '# #' (FLOOR PLAN)

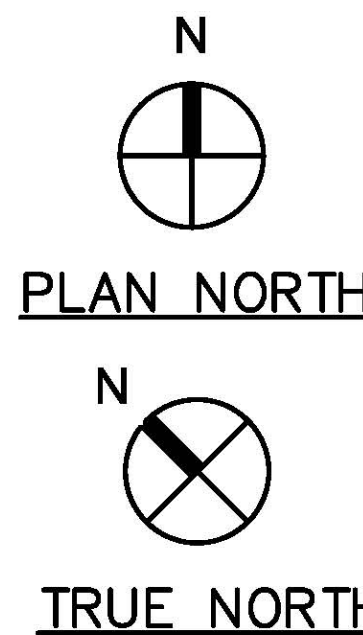
- 1. EXISTING LIFT AND ALL ASSOCIATED ELEMENTS TO BE REMOVED. PATCH AND REPAIR ALL DAMAGED CAUSED BY REMOVED "LIFT" ANCHORS. REMOVE ALL ASSOCIATED CONDUIT.
- 2. INSTALL METAL PANEL INFILL AT EXISTING CONCRETE PANEL CUT-OUT, ONCE THE LIFT HAS BEEN REMOVED
- 3. SURFACE CRACKS: CLEAN AND FILL CRACKS WITH A CUSTOM, MODIFIED PORTLAND CEMENT BASED COATING AND FINISH TO BLEND SEAMLESSLY WITH THE EXISTING ADJACENT SURFACES (SPEC. NO. 044150)
- 4. SPALLED OR GAUGED CONCRETE: REMOVE ALL UNSOUND CONCRETE, CLEAN AND PREP. PATCH CONCRETE WITH A CUSTOM CEMENT BASED REPLICATION MIX TO MATCH EXISTING IN COMPOSITION AND STRENGTH (SPEC. NO. 044150)
- 5. AREA OF DISCOLORATION: ONCE STRUCTURE IS CLEAN, CONFIRM AREAS ARE EXACT MATCH AS CLEANED ADJACENT SURFACES. IF NOT NOTIFY ARCHITECT.
- 6. PATCH ALL MISSING AGGREGATE AT COLUMNS
- 7. REMOVE EXPOSED OXIDIZED FERROUS MATERIAL FROM SURFACE. PATCH TO MATCH EXISTING IN COMPOSITION AND STRENGTH REFERENCE NOTE '4'.(SPEC. NO. 044150)
- 8. REMOVE ALL UNSOUND CONCRETE PATCHING BACK TO STEEL ANCHORS. CLEAN AND PREP ALL STEEL. ALL STEEL SURFACES SHALL BE FREE FROM VISIBLE RUST OR SCALE. APPLY CEMENTITIOUS CORROSION INHIBITIVE PRIMER AND BONDING AGENT TO ALL CLEAN STEEL SURFACES. PATCH CONCRETE WITH A CUSTOM CEMENT BASED REPLICATION MIX TO MATCH EXISTING IN COMPOSITION AND STRENGTH (SPEC. NO. 044150)
- 9. REMOVE ALL UNSOUND CONCRETE PATCH WORK DOWN TO ORIGNAL CONCRETE, CLEAN AND PREP. IF ANY REINFORCING STEEL IS EXPOSED DURING PATCHWORK REMOVAL. CLEAN AND PREP STEEL SURFACES. THE STEEL SHALL BE FREE FROM VISIBLE RUST OR SCALE. APPLY CEMENTITIOUS CORROSION INHIBITIVE PRIMER AND BONDING AGENT TO ALL CLEAN STEEL SURFACES. PATCH CONCRETE WITH A CUSTOM CEMENT BASED REPLICATION MIX TO MATCH EXISTING IN COMPOSITION AND STRENGTH (SPEC. NO. 044150)
- 10. REMOVE EXISTING DOOR AND FRAME, REPLACE WITH HOLLOW METAL DOOR AND FRAME. COORDINATE KEYING WITH FACILITY MANAGER
- 11. REMOVE EXISTING HEMICYCLE ROOF DECK MEMBRANE AND ASSOCIATED FLASHING. CLEAN AND PREPARE SURFACE. INSTALL NEW PEDESTRIAN TRAFFIC SURFACE WATERPROOF MEMBRANE SYSTEM

PRECAST CONCRETE PANEL REPAIR SCHEDULE					
27 - PANEL ID. NUMBER					
PANEL		TYPE	REPAIRS		REMARKS BY NUMBER
NUMBER	INT./EXT.		EXTERIOR ELEVATION	INTERIOR ELEVATION	
1	EXT.	A	A,C	B,C	-
2	EXT.	B	C	C	
3	EXT.	B		(3)B,C	-
4	EXT.	B	C	C	-
5	EXT.	B	C	C	-
6	EXT.	B	B,C	C	-
7	EXT.	B		B	-
8	EXT.	B			-
9	EXT.	B		B	-
10	EXT.	B	A		-
11	EXT.	B			-
12	EXT.	B			-
13	EXT.	B			-
14	EXT.	B			-
15	EXT.	B		(2)B	-
16	EXT.	D			-
17	EXT.	D		(2)B	-
18	EXT.	B			-
19	EXT.	B			-
20	EXT.	B			-
21	EXT.	B	(2)A		-
22	EXT.	B	(2)A		-

SCHEDULE CONTINUE					
PANEL		TYPE	REPAIRS		REMARKS BY NUMBER
NUMBER	INT./EXT.		EXTERIOR ELEVATION	INTERIOR ELEVATION	
23	EXT.	B		B	-
24	EXT.	B	A		-
25	EXT.	B			-
26	EXT.	B			-
27	EXT.	B	(3)A		-
28	EXT.	B	(2)A	B	-
29	EXT.	B			-
30	EXT.	B		(2)B	-
31	EXT.	B	B		-
32	EXT.	A	B	B	-
33	INT.	C	A		-
34	INT.	C			-
35	INT.	C			-
36	INT.	C			-
37	INT.	C			-
38	INT.	C	A,B		-
39	INT.	C	(2)B		-
40	INT.	C	B		-
41	INT.	C	A		-
42	INT.	C	A		-
43	INT.	C			-
44	INT.	C			-

SCHEDULE CONTINUE					
PANEL		TYPE	REPAIRS		REMARKS BY NUMBER
NUMBER	INT./EXT.		EXTERIOR ELEVATION	INTERIOR ELEVATION	
45	INT.	C		-	-
46	INT.	C			-
47	INT.	C	A		-
48	INT.	C	A		-
49	INT.	C			-
50	INT.	C	A		-
51	INT.	C	A		-
52	INT.	C			-
53	INT.	C			-
54	INT.	C			-
55	INT.	C	B		-
56	INT.	C			-
57	INT.	C			-
58	INT.	C			-
59	INT.	C			-
60	INT.	C	A,B		-
61	INT.	C	A,B		-
62	INT.	C			-

REPAIR LEGEND		
TYPE	CONDITION	RECOMMENDATION
A	SURFACE CRACKS	SPEC. NO. 044150
B	SPALLED SURFACE	SPEC. NO. 044150
C	SURFACE STAINING	SPEC. NO. 044150



Revisions:

Date:

CONSULTANT

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Gilpin Engineering
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ARCHITECT/ENGINEER OF RECORD

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STAMP

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title

HEMICYCLE REHABILITATION FLOOR PLAN

Approved: Project Director

Phase

DESIGN DEVELOPMENT

Project Title

HOUSTON NATIONAL CEMETERY PHASE 5 DEVELOPMENT

Location
HARRIS COUNTY, TEXAS

Issue Date
May 24, 2019

Checked
KK

Drawn
VR

Project Number

851PC2048

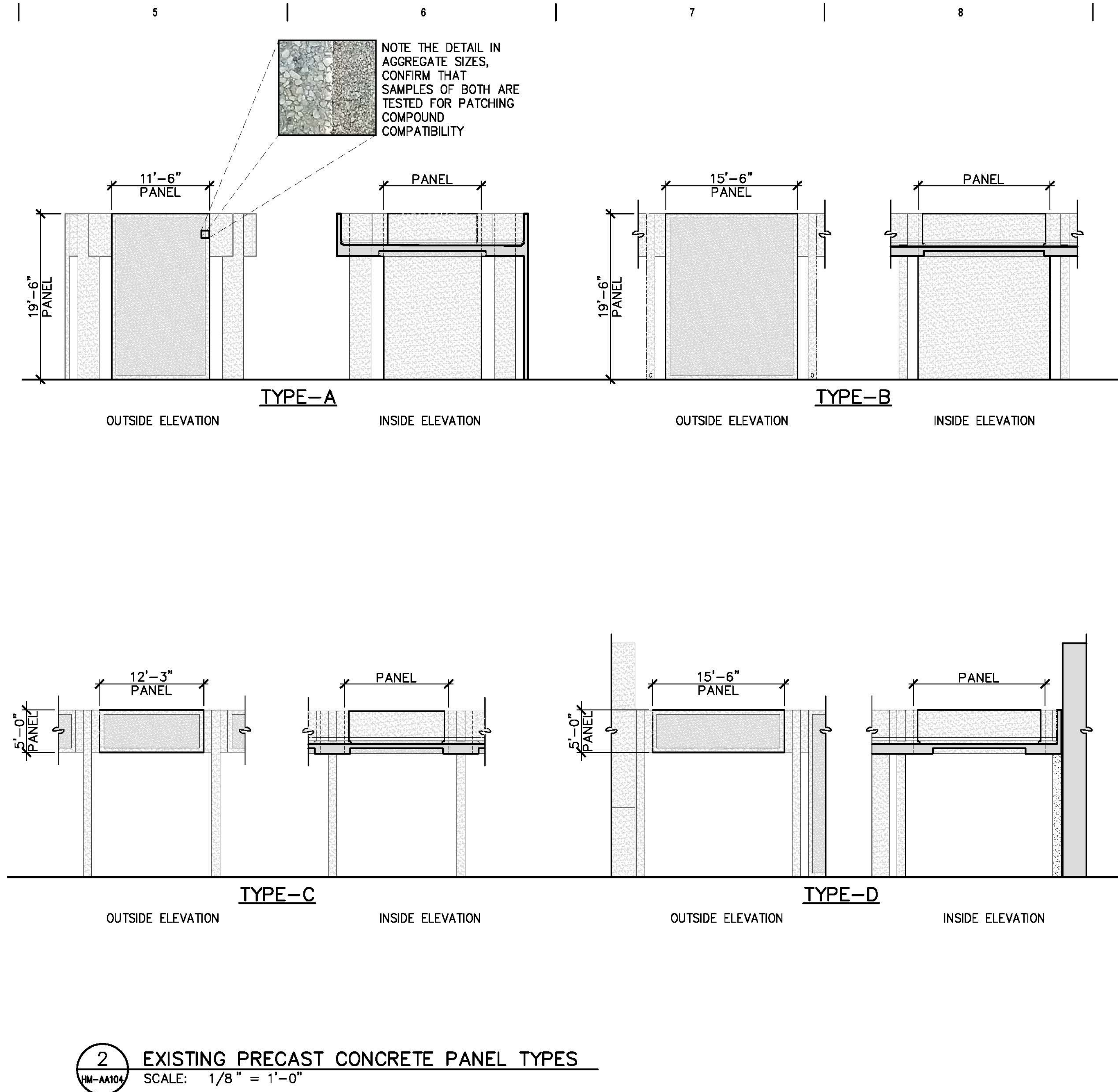
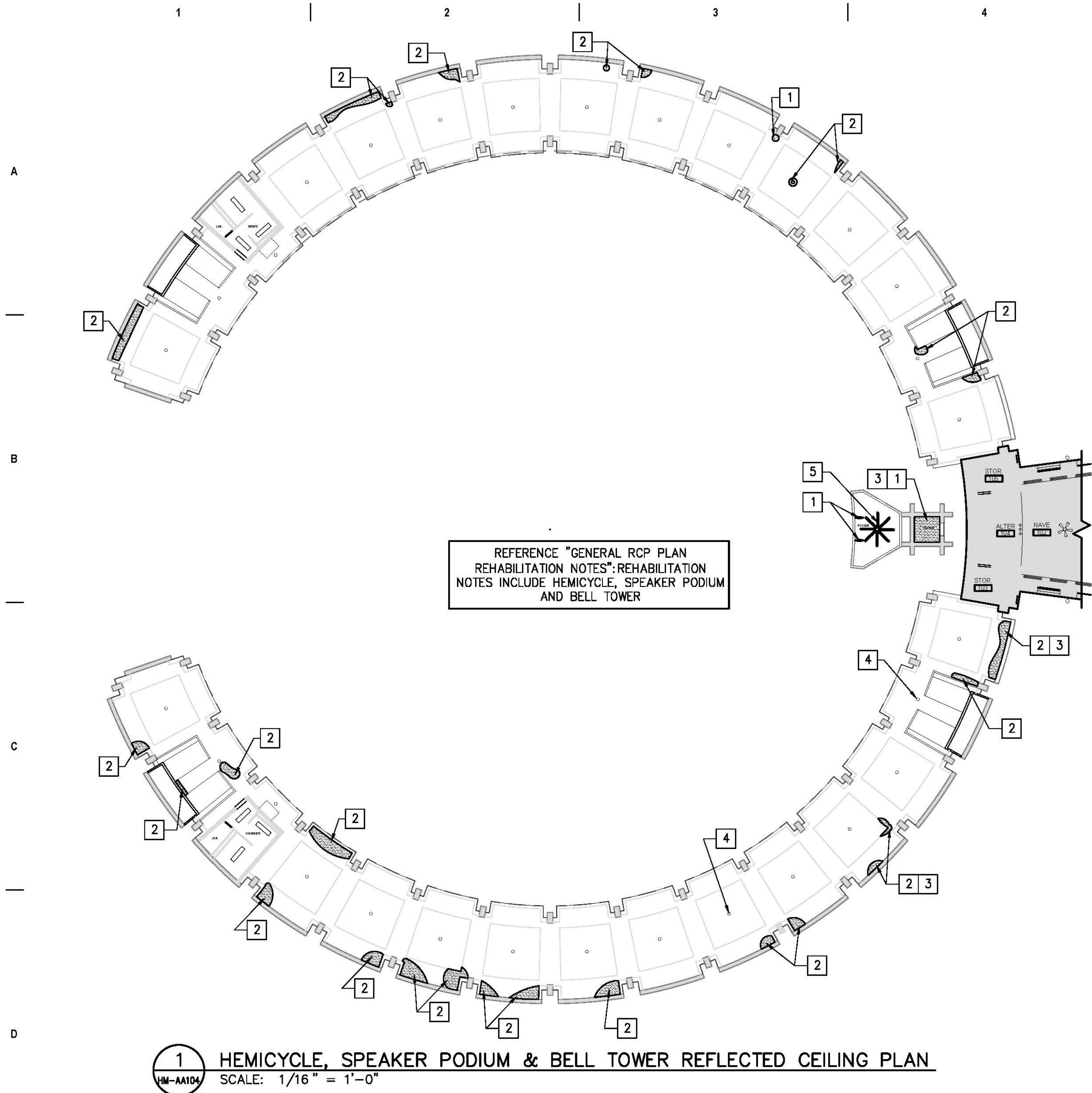
Building Number

Drawing Number

HM-AA103

Dwg.109 of 146

VA FORM 08 - 8231 1 2 3 4 5 6 7 8 9 10 DESIGN DEVELOPMENT SUBMISSION



- GENERAL RCP REHABILITATION NOTES**
- A. REMOVE ALL EXISTING SEALANTS AT JOINTS AND CLEAN. INSTALL NEW BACKER ROD AND SEALANT AT ALL JOINTS SUPPLYING A SINGLE WEEP AT LOCATIONS WITH ANCHORS ALONG THE WALLS. SEALANT TO MATCH EXISTING CONCRETE COLOR.
- B. CLEAN THE ENTIRE STRUCTURE USING LOW-PRESSURE WATER OR STEAM. CLEAN AND REMOVE ALL EXISTING DEBRIS AND BIOLOGICAL GROWTH FROM ALL SURFACES. (SPEC. NO. 044150)
- C. HAVE A CLEAN SAMPLE OF THE ORIGINAL CAST IN PLACE ROOF DECK CONCRETE TESTED & ANALYZED FOR COMPONENTS/RATIOS, COLOR MATCHING AND STRENGTH (SPEC. NO. 031330)
- D. NOTE: CONCRETE REPAIR AREAS SHOWN IN THE RCP WERE IDENTIFIED BY IN-PERSON VISUAL INSPECTION. THE CONTRACTOR SHALL BE AWARE THAT THE TRUE AFFECTED AREA OF THE CEILING REPAIRS MAY EXTEND BEYOND THE AREAS INDICATED ON THE CONTRACT DRAWINGS
- E. INSPECT ALL EXISTING LIGHT FIXTURES FOR PEELING COATINGS AND RUSTING. REFERENCE NOTE BY SYMBOL "4" FOR REPAIRS

- NOTES BY SYMBOL** ' # ' (RCP)
1. 1/16" SURFACE CRACKS: CLEAN AND PREP. FILL CRACKS WITH ELASTOMERIC CRACK SEALANT. CRACKS LARGER THAN 1/16" SHALL BE GROOVED OUT TO A NOMINAL 1/2"x1/2" AND FILLED WITH CRACK SEALANT. COAT REPAIRED CRACKS TO MATCH EXISTING ADJACENT SURFACES (SPEC. NO. 031330)
2. SPALLING OR BUBBLING COATING: REMOVE ALL UNSOUND COATINGS, CLEAN AND PREP. COAT EXPOSED CONCRETE SUBSURFACE WITH A COMPATIBLE ELASTOMERIC COATING TO MATCH EXISTING IN COLOR. (SPEC. NO. 044150)
a. INSPECT EXPOSED CONCRETE SUBSURFACE FOR ANY REPAIRS NEEDED. IF REPAIRS ARE NEEDED REFERENCE NOTE "1 & 3" FOR REMEDY. THEN PROCEED WITH FINAL COATING
3. SPALLING CONCRETE: REMOVE ALL UNSOUND CONCRETE, CLEAN AND PREP. IF ANY REINFORCING STEEL IS EXPOSED DURING REMOVAL, CLEAN AND PREP ALL SURFACES. ALL STEEL SURFACES SHALL BE FREE FROM VISIBLE RUST OR SCALE. APPLY A CEMENTITIOUS CORROSION INHIBITIVE PRIMER AND BONDING AGENT TO ALL CLEAN STEEL SURFACES. PATCH CONCRETE WITH A CUSTOM CEMENT BASED REPLICATION MIX TO MATCH EXISTING IN COMPOSITION AND STRENGTH (SPEC. NO. 031330)
4. PEELING COATING ON LIGHT FIXTURE: STRIP EXISTING COATING ON LIGHT FIXTURE, PREP AND COAT LIGHT FIXTURE TO MATCH EXISTING
5. REPLACE EXISTING CEILING FAN, REFERENCE ELECTRICAL DRAWINGS

DOOR SCHEDULE

DOOR					FRAME					HARDWARE	NOTES BY NUMBER	SIGNAGE	
MARK	DOOR SIZE		TYPE	MAT'L	FINISH	MAT'L	FINISH	DETAIL				SET NO.	TYPE
	WIDTH X HEIGHT	THK.						HEAD	JAMB	SILL			
100	EXIST(VIF)		EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	—	—
101	5'-0" X 7'-9"(VIF)	1 3/4"	A	HM	P2	HM	HM	TBD	TBD	TBD	TBD	6,	—
102	5'-0" X 7'-9"(VIF)	1 3/4"	A	HM	P2	HM	HM	TBD	TBD	TBD	TBD	6,	—
103	EXIST(VIF)		EXIST	EX	EXIST	WS	EXIST	EXIST	EXIST	EXIST	EXIST	TBD	2
104	EXIST(VIF)		EXIST	EX	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	3,
105	EXIST(VIF)		EXIST	EX	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	4,
106	EXIST(VIF)		EXIST	EX	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	TBD	4,
107	EXIST(VIF)		EXIST	EX	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	4,
108	3'-0" X 7'-0"	1 3/4"	C	WD	WS	HM	P2	TBD	TBD	TBD	TBD	TBD	5,
109	EXIST(VIF)		EXIST	EX	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	1,
110	3'-0" X 7'-0"(VIF)	1 3/4"	B	HM	P2	HM	P2	TBD	TBD	TBD	TBD	7	—

DOOR SCHEDULE NOTES

1. EXISTING DOUBLE WOOD DOOR, CLEAN, REPAIR AND REFINISH TO MATCH EXISTING ADJACENT WOOD PANELING

2. EXISTING DOUBLE WOOD DOOR, FINISH DOOR TO MATCH ADJACENT PANELS. PROVIDE NEW HARDWARE TO MATCH EXISTING OPPOSITE DOORS.

3. EXISTING DOUBLE WOOD DOOR WITH BATTENS, CLEAN REPAIR AND REFINISH TO MATCH EXISTING WOOD PANELING, CLEAN AND REPAIR HARDWARE

4. EXISTING SINGLE WOOD DOOR, CLEAN, REPAIR AND REFINISH TO MATCH EXISTING, CLEAN AND REPAIR HARDWARE

5. HARDWARE TO MATCH EXISTING

6. PROVIDE WATERPROOF METAL THRESHOLD

7. PAINT DOOR AND FRAME TO MATCH CONCRETE

8. PROVIDE DOOR MOUNTED WOOD ASTRAGAL WITH WEATHER STRIPPING

ABBREVIATIONS

HM — HOLLOW METAL

EXIST(EX) — EXISTING TO REMAIN

WD — WOOD

WS — WOOD STAIN, MATCH EXISTING

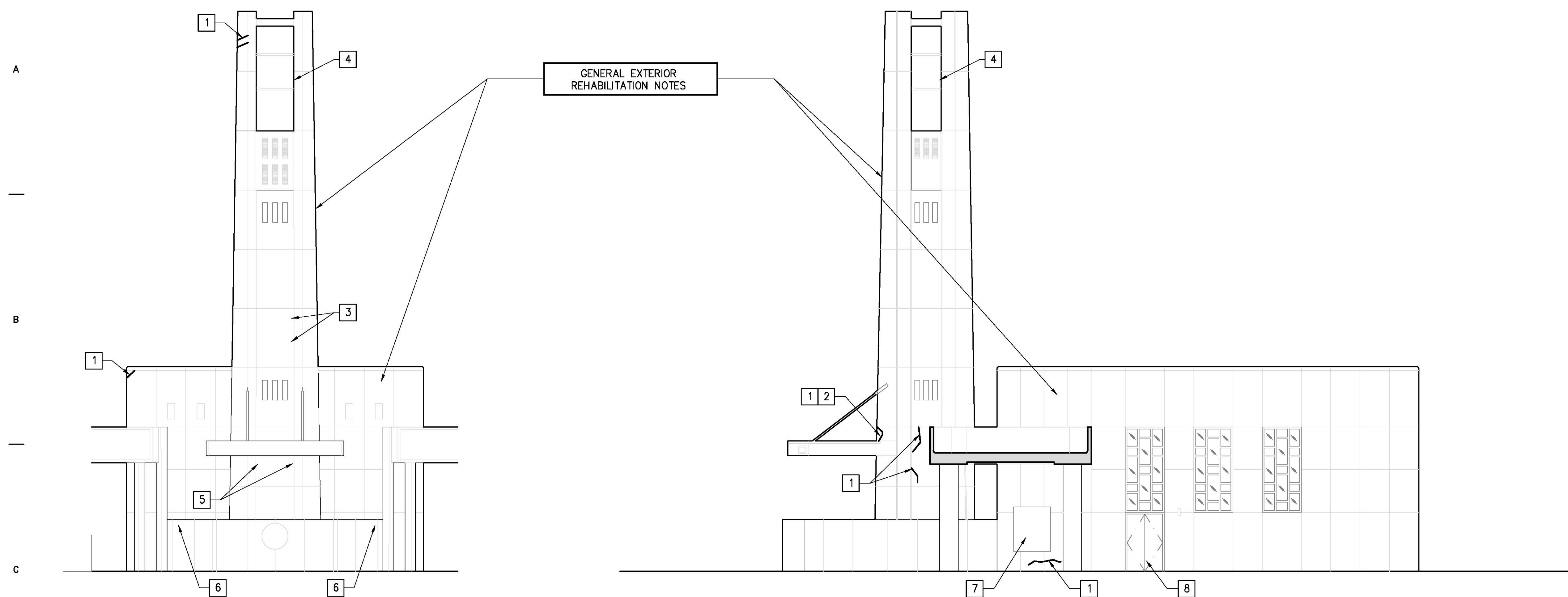
GENERAL NOTES

A. THIS DOOR SCHEDULE CORRESPONDS WITH DOOR DESIGNATIONS ON SHEETS AA101, AND AA102

B. REFER TO SHEET AA101, ROOM FINISH SCHEDULE FOR ALL COLORS.

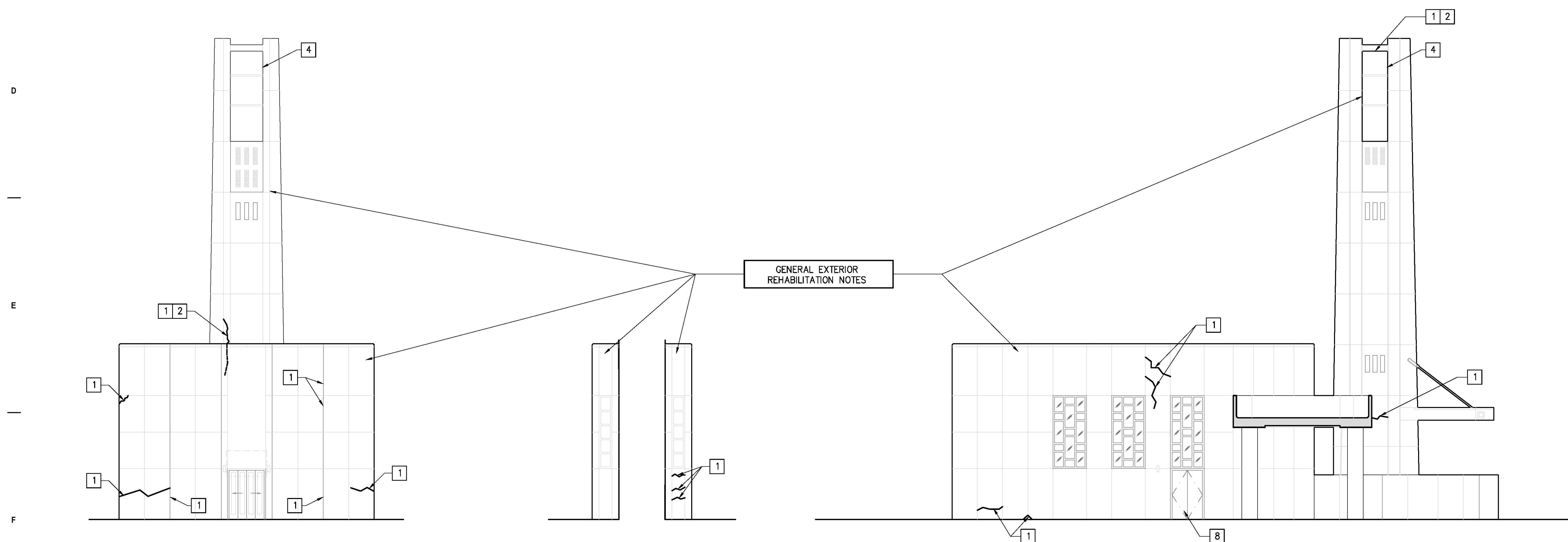
D. COORDINATE FINAL KEYING SELECTION WITH FACILITY MANAGER, SCOTT WEBER

</



1 WEST ELEVATION
HM-AA105 SCALE: 1/8" = 1'-0"

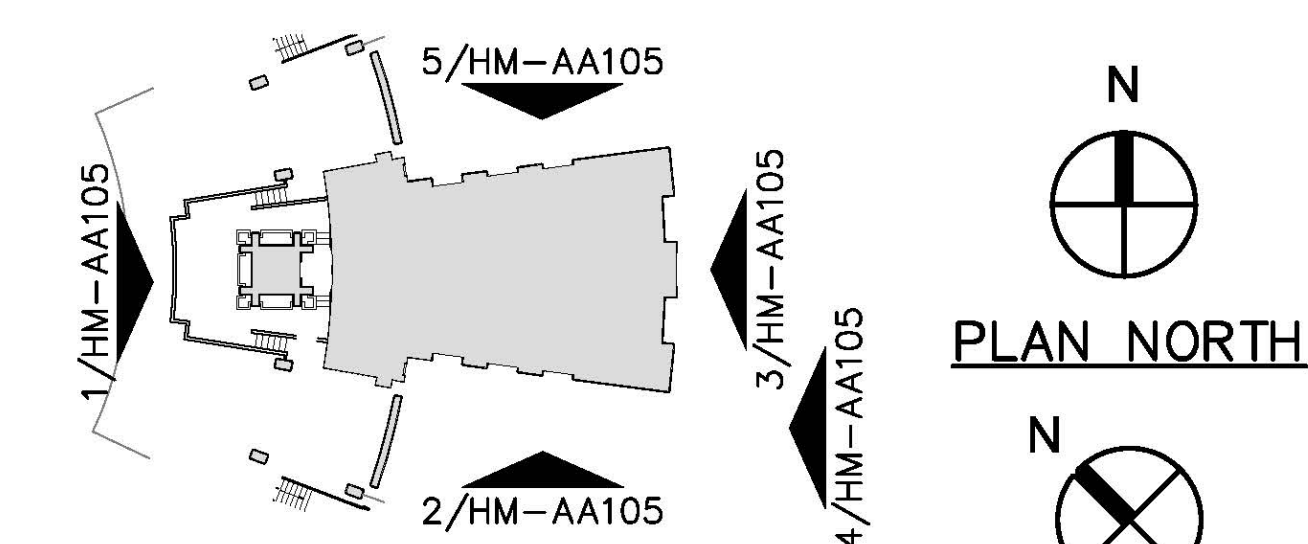
2 SOUTH ELEVATION
HM-AA105 SCALE: 1/8" = 1'-0"



3 EAST ELEVATION
HM-AA105 SCALE: 1/8" = 1'-0"


4 PART. EAST ELEVATION
HM-AA105 SCALE: 1/8" = 1'-0"

5 NORTH ELEVATION
HM-AA105 SCALE: 1/8" = 1'-0"



KEY PLAN

TRUE NORTH

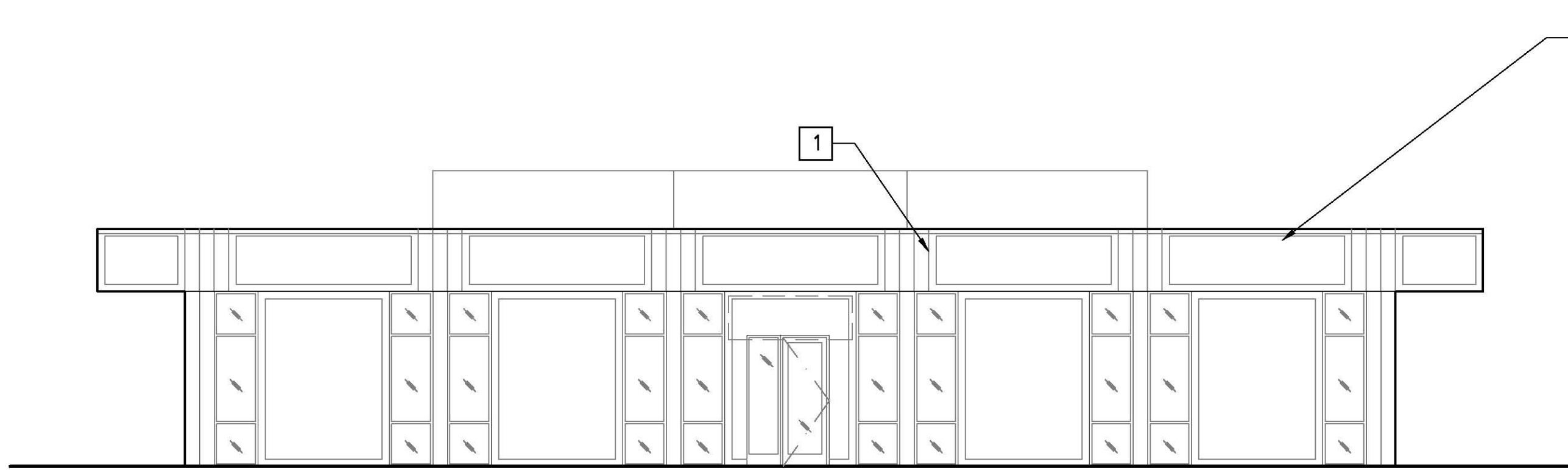
		CONSULTANT			ARCHITECT/ENGINEER OF RECORD		STAMP	<div>Office of Construction and Facilities Management</div> <div>VAU.S. Department of Veterans Affairs</div>	<div>Drawing Title</div> CHAPEL, SPEAKER PODIUM AND BELL TOWER EXTERIOR ELEVATIONS REHABILITATION	<div>Phase</div> DESIGN DEVELOPMENT	<div>Project Title</div> HOUSTON NATIONAL CEMETERY PHASE 5 DEVELOPMENT	<div>Project Number</div> 851PC2048			
		<div>The LA Group</div> <div>(518) 587-8100</div>	<div>Aqua Engineering, Inc.</div> <div>(970) 372-6104</div>	<div>OCMI</div> <div>(202) 607-7575</div>	<div>Gordon</div> <div>148 S. Queen Street, Suite 201 Martinsburg, WV 25401 Phone: 304-725-8456 www.gordonus.com</div>				<div>Approved: Project Director</div>		<div>Location</div> HARRIS COUNTY, TEXAS	<div>Issue Date</div> May 24, 2019	<div>Checked</div> KK	<div>Drawn</div> VR	<div>HM-AA105</div> <div>Dwg. 111 of 146</div>
		<div>rvi</div> <div>(512) 480-0032</div>	<div>AES Group</div> <div>(303) 841-3922</div>	<div>Gilpin Engineering</div> <div>(512) 220-8100</div>											
		<div>Komatsu Inc.</div> <div>(817) 587-8100</div>	<div>ECS Midwest LLC.</div> <div>847-279-0366</div>	<div>GIS, Inc.</div> <div>(205) 941-0442</div>											
		<div>Revisions:</div>	<div>Date:</div>												

GENERAL EXTERIOR REHABILITATION NOTES

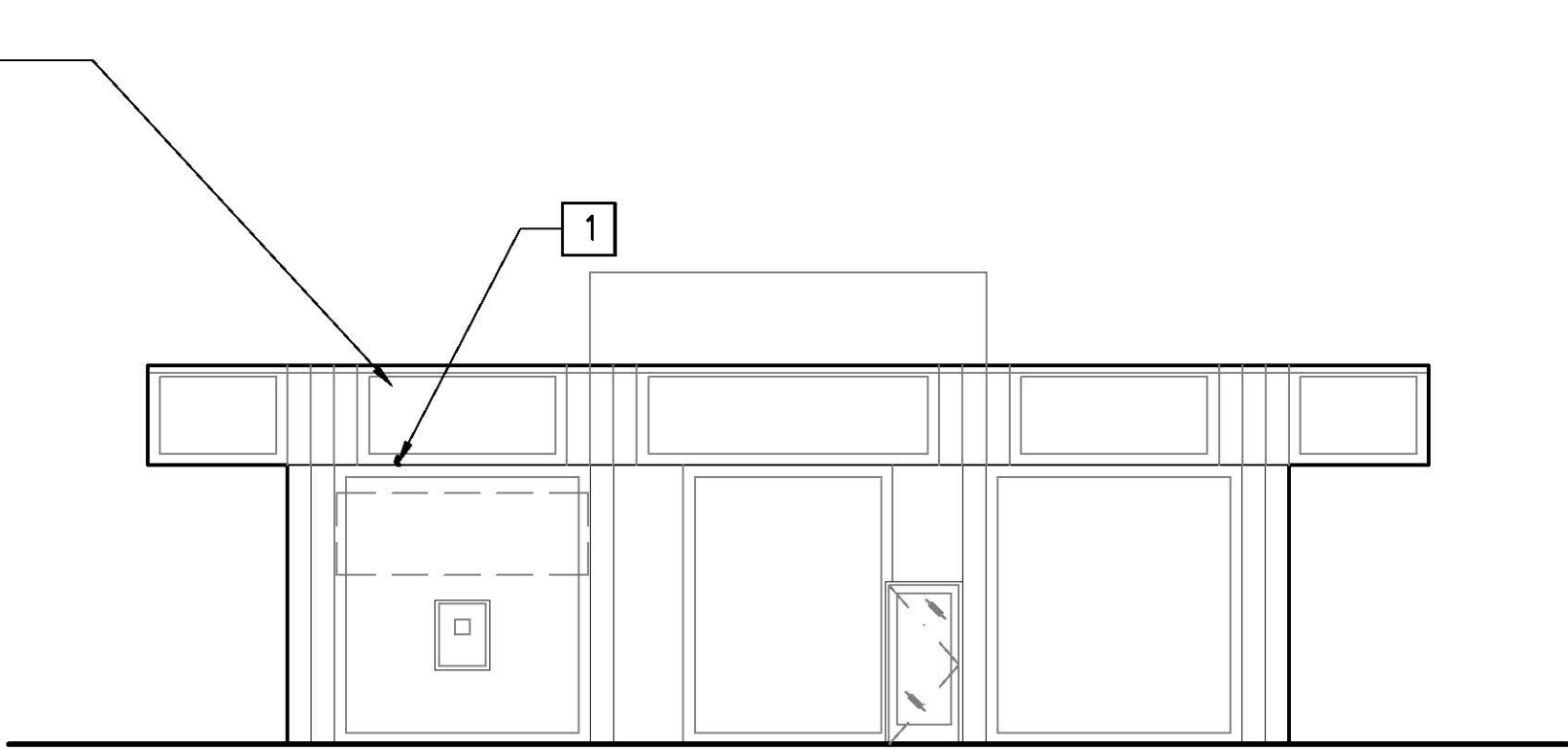
- A. REMOVE ALL EXISTING SEALANTS AT JOINTS AND CLEAN. INSTALL NEW BACKER ROD AND SEALANT AT ALL JOINTS. SEALANT TO MATCH EXISTING CLEAN CONCRETE COLOR.
- B. CLEAN THE ENTIRE STRUCTURE USING LOW-PRESSURE WATER OR STEAM. CLEAN AND REMOVE ALL EXISTING DEBRIS AND BIOLOGICAL GROWTH FROM ALL SURFACES. (SPEC. NO. 044150)
- C. HAVE A CLEAN SAMPLE OF THE ORIGINAL PRECAST CONCRETE AND CAST IN PLACE CONCRETE TESTED & ANALYZED FOR COMPONENTS/RATIOS, COLOR MATCHING AND STRENGTH. NOTE: PRECAST PANELS HAVE TWO TYPES OF EXPOSED AGGREGATE FINISHES. CONTRACTOR TO SEND BOTH TYPES OF CONCRETE FINISH FOR QUALITY MATCHING. (SPEC. NO. 044150)
- D. APPLY A BREATHABLE CLEAR PRIMER AND COATING SEALER ON ALL EXPOSED AGGREGATE CONCRETE SURFACES ONCE ALL REPAIR AND PATCHWORK HAS BEEN COMPLETED.

NOTES BY SYMBOL ' # '

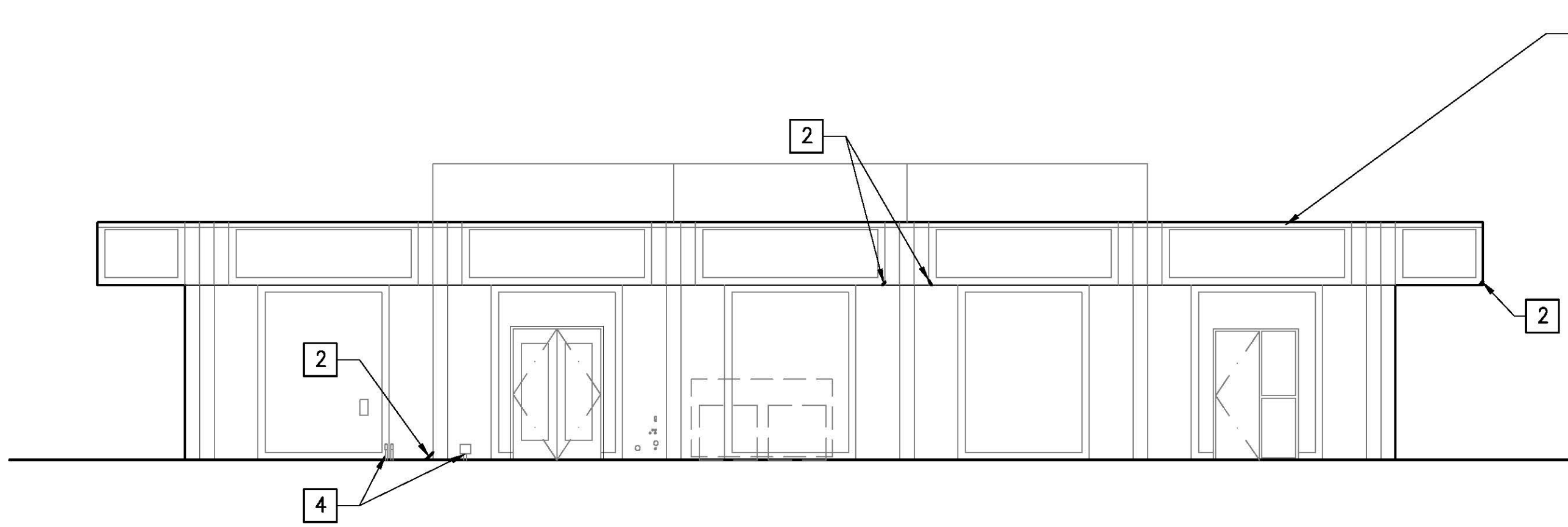
1. SURFACE CRACKS: CLEAN AND FILL CRACKS WITH A CUSTOM, MODIFIED PORTLAND CEMENT BASED COATING AND FINISH TO BLEND SEAMLESSLY WITH THE EXISTING ADJACENT SURFACES (SPEC. NO. 044150)
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3. REMOVE EXPOSED OXIDIZED FERROUS MATERIAL FROM SURFACE. PATCH TO MATCH EXISTING IN COMPOSITION AND STRENGTH REFERENCE NOTE '4'.(SPEC. NO. 044150)
4. COAT ALL EXISTING CONDUIT TO MATCH CONCRETE



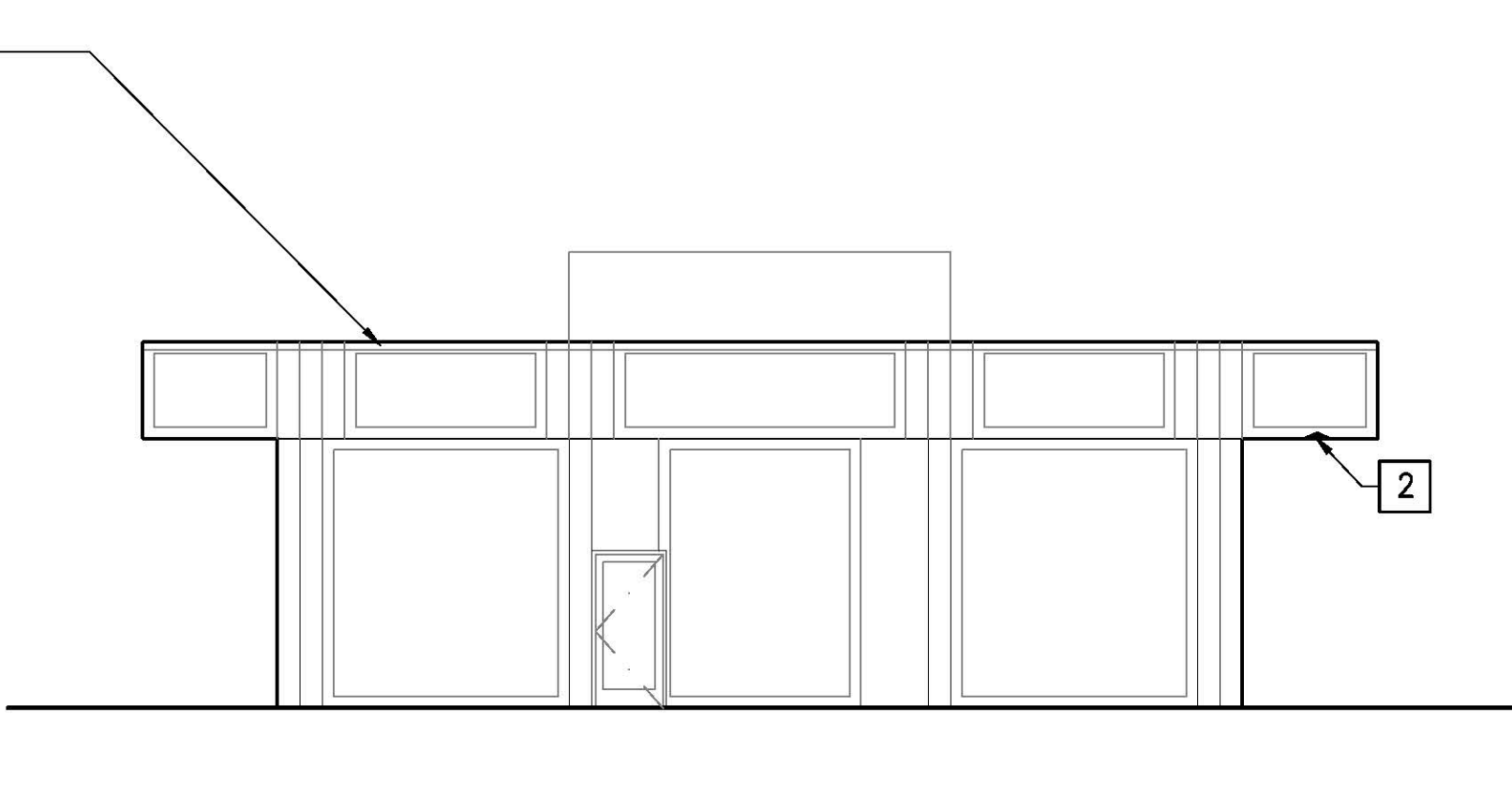
1 ADMIN. NORTH ELEVATION
SCALE: 1/8" = 1'-0"



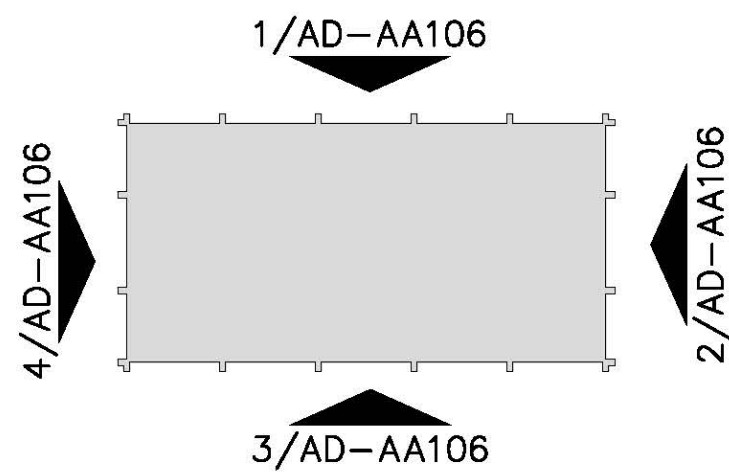
2 ADMIN. EAST ELEVATION
SCALE: 1/8" = 1'-0"



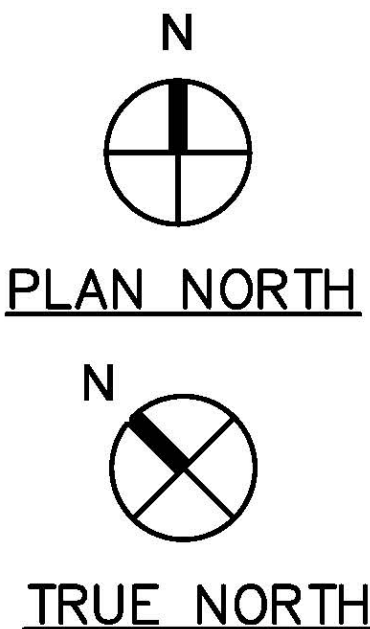
3 ADMIN. SOUTH ELEVATION
SCALE: 1/8" = 1'-0"



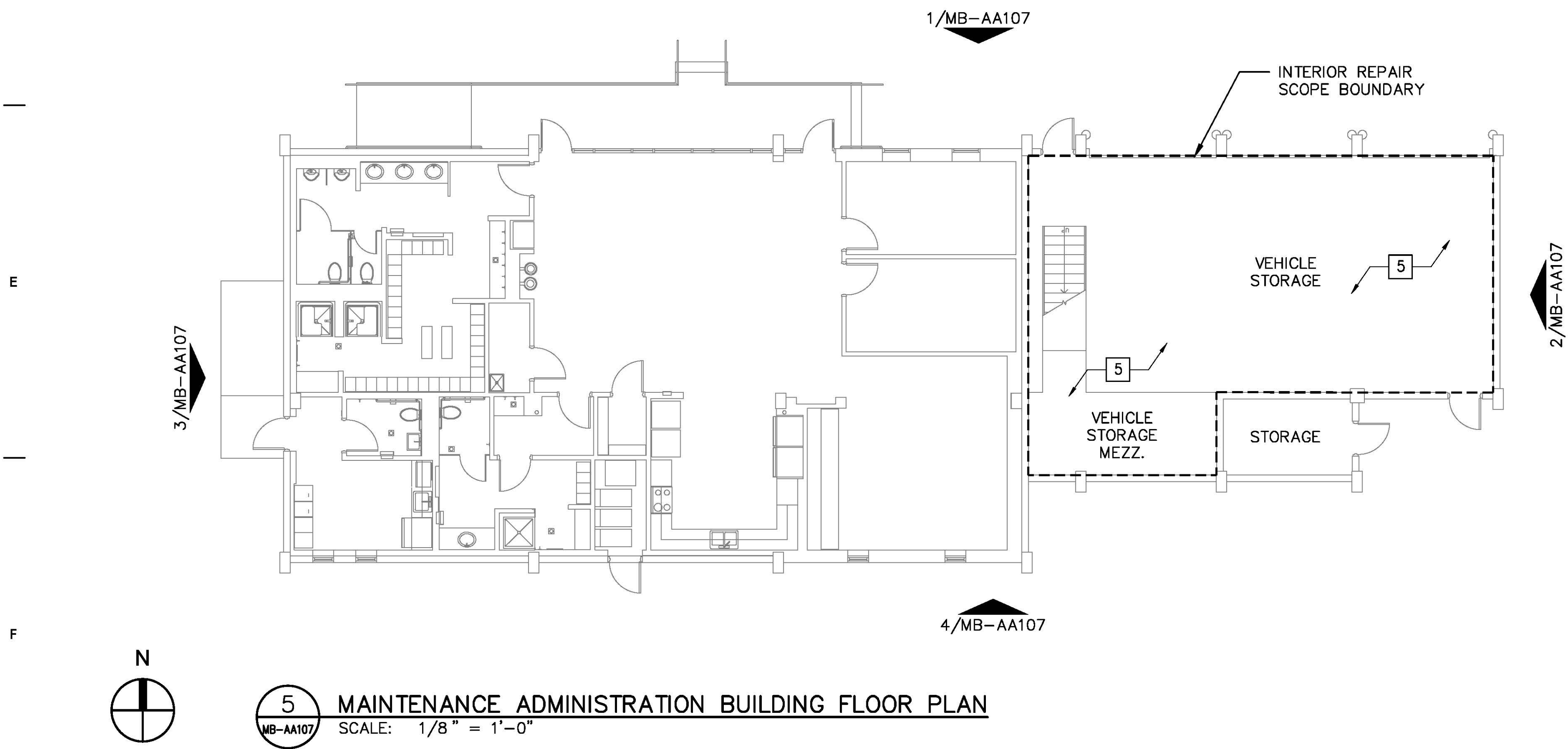
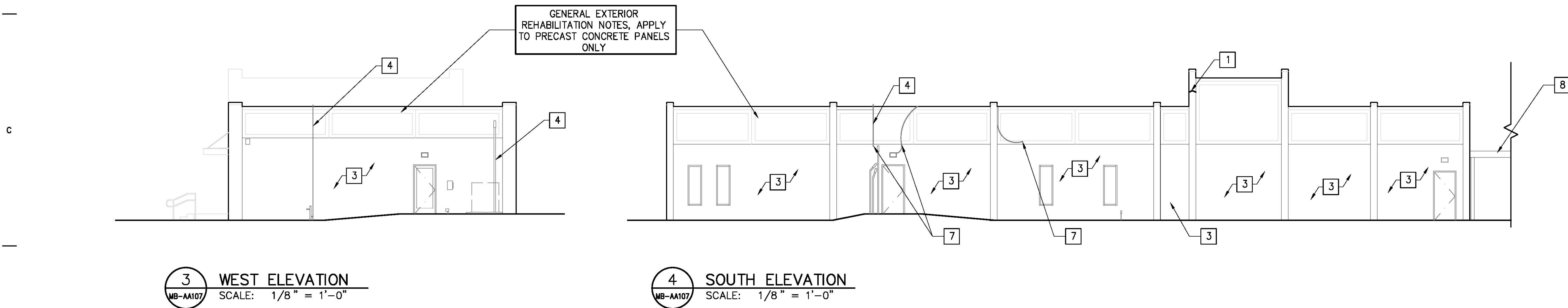
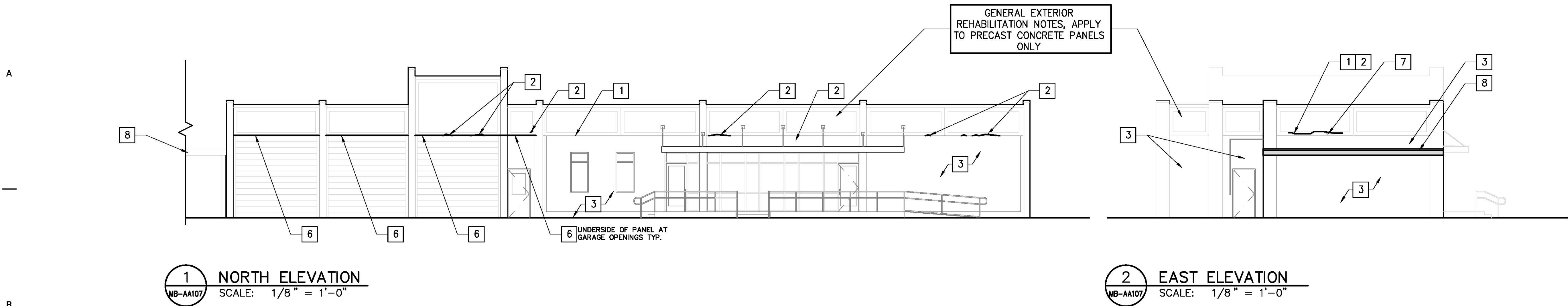
4 ADMIN. WEST ELEVATION
SCALE: 1/8" = 1'-0"



KEY PLAN



CONSULTANT			ARCHITECT/ENGINEER OF RECORD		STAMP	Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs	Drawing Title ADMINISTRATION BUILDING EXTERIOR REPAIRS	Phase DESIGN DEVELOPMENT	Project Title HOUSTON NATIONAL CEMETERY PHASE 5 DEVELOPMENT	Project Number 851PC2048
The LA Group (518) 587-8100 rvi (512) 480-0032 Komatsu Inc. (817) 587-8100	Aqua Engineering, Inc. (970) 372-6104 AES Group (303) 841-3922 ECS Midwest LLC. 847-279-0366	OCMI (202) 607-7575 Gilpin Engineering (512) 220-8100 GIS, Inc. (205) 941-0442	Gordon 148 S. Queen Street, Suite 201 Martinsburg, WV 25401 Phone: 304-725-8456 www.gordon.us.com				Approved: Project Director		Location HARRIS COUNTY, TEXAS	Building Number
Revisions:	Date:								Issue Date May 24, 2019	Checked KK
									Drawn VR	Drawing Number AD-AA106 Dwg. 112 of 146





GENERAL EXTERIOR REHABILITATION NOTES

- A. REMOVE ALL EXISTING SEALANTS AT JOINTS AND CLEAN. INSTALL NEW BACKER ROD AND SEALANT. SEALANT TO MATCH EXISTING CONCRETE COLOR.
- B. CLEAN THE ENTIRE STRUCTURE USING LOW-PRESSURE WATER OR STEAM. CLEAN AND REMOVE ALL EXISTING DEBRIS AND BIOLOGICAL GROWTH FROM ALL SURFACES. (SPEC. NO. 044150)
- C. HAVE A CLEAN SAMPLE OF THE ORIGINAL PRECAST CONCRETE AND CAST IN PLACE CONCRETE TESTED & ANALYZED FOR COMPONENTS/RATIOS, COLOR MATCHING AND STRENGTH. NOTE: PRECAST PANELS HAVE TWO TYPES OF EXPOSED AGGREGATE FINISHES. CONTRACTOR TO SEND BOTH TYPES OF CONCRETE FINISH FOR QUALITY MATCHING. (SPEC. NO. 044150)
- D. APPLY A BREATHABLE CLEAR PRIMER AND COATING SEALER ON ALL EXPOSED AGGREGATE CONCRETE SURFACES ONCE ALL REPAIR AND PATCHWORK HAS BEEN COMPLETED.

NOTES BY SYMBOL ' # '

1. SURFACE CRACKS: CLEAN AND FILL CRACKS WITH A CUSTOM, MODIFIED PORTLAND CEMENT BASED COATING AND FINISH TO BLEND SEAMLESSLY WITH THE EXISTING ADJACENT SURFACES (SPEC. NO. 044150)
2. SPALLED OR GAUGED CONCRETE: REMOVE ALL UNSOUND CONCRETE, CLEAN AND PREP. PATCH CONCRETE WITH A CUSTOM CEMENT BASED REPLICATION MIX TO MATCH EXISTING IN COMPOSITION AND STRENGTH (SPEC. NO. 044150)
3. EXISTING COATED CMU, NO WORK
4. COAT ALL EXISTING CONDUIT TO MATCH CONCRETE
5. REMOVE ALL UNSOUND COATING FROM CEILINGS, OVERHEAD DOOR COVERS AND WALLS. CLEAN, PREP AND COAT CEILING, WALLS, OVERHEAD DOOR COVERS AND FRAMES TO MATCH EXISTING.
6. REMOVE ALL UNSOUND OR INCOMPATIBLE CONCRETE PATCHWORK DOWN TO ORIGINAL CONCRETE, CLEAN AND PREP. IF ANY REINFORCING STEEL IS EXPOSED DURING PATCHWORK REMOVAL. CLEAN AND PREP STEEL SURFACES. THE STEEL SHALL BE FREE FROM VISIBLE RUST OR SCALE. APPLY CEMENTITIOUS CORROSION INHIBITIVE PRIMER AND BONDING AGENT TO ALL CLEAN STEEL SURFACES. PATCH CONCRETE WITH A CUSTOM CEMENT BASED REPLICATION MIX TO MATCH EXISTING IN COMPOSITION STRENGTH AND COLOR. (SPEC. NO. 0441150)
7. EXISTING PENETRATION, CONFIRM WEATHER TIGHTNESS, INFILL PENETRATION WITH COMPATIBLE SEALANT OR CONCRETE PATCH MIX. TEST FOR WEATHER TIGHTNESS. FINISH TO MATCH ADJACENT SURFACES.

PLAN NORTH

		CONSULTANT			ARCHITECT/ENGINEER OF RECORD		STAMP	<div>Office of Construction and Facilities Management</div> <div>VAU.S. Department of Veterans Affairs</div>	Drawing Title	Phase	Project Title	Project Number		
		The LA Group (518) 587-8100	Aqua Engineering, Inc. (970) 372-6104	OCMI (202) 607-7575	 148 S. Queen Street, Suite 201 Martinsburg, WV 25401 Phone: 304-725-8456 www.gordon.us.com		MAINTENANCE ADMINISTRATION BUILDING REPAIRS		DESIGN DEVELOPMENT	HOUSTON NATIONAL CEMETERY PHASE 5 DEVELOPMENT	851PC2048			
		rvi (512) 480-0032	AES Group (303) 841-3922	Gilpin Engineering (512) 220-8100										
		Komatsu Inc. (817) 587-8100	ECS Midwest LLC. 847-279-0366	GIS, Inc. (205) 941-0442										
Revisions:		Date:							Approved: Project Director		Location HARRIS COUNTY, TEXAS	Drawing Number		
											Issue Date May 24, 2019	Checked KK	Drawn VR	MB-AA107 Dwg. 113 of 146

From: Hooker III, William E.
Sent: Friday, April 19, 2019 10:33 AM
To: Finley, Christopher; Chilcote, Dirk W.; Pulak, Douglas D. (CFM); Abreu, Hector M. (CFM)
Subject: FW: [EXTERNAL] Project Review: 201906096

FYI -

Sent with BlackBerry Work
(www.blackberry.com)

From: noreply@thc.state.tx.us <noreply@thc.state.tx.us>
Date: Friday, Apr 19, 2019, 9:12 AM
To: Hooker III, William E. [REDACTED] reviews@thc.state.tx.us <reviews@thc.state.tx.us>
Subject: [EXTERNAL] Project Review: 201906096



Re: Project Review under Section 106 of the National Historic Preservation Act and/or the Antiquities Code of Texas
201906096

Proposed Demolition of Buildings 2501 and 3006, Houston National Cemetery
1621 Aldine Western Road
Houston, TX 77038

Dear W. Edward Hooker, III:

Thank you for your submittal regarding the above-referenced project. This response represents the comments of the State Historic Preservation Officer, the Executive Director of the Texas Historical Commission (THC), pursuant to review under Section 106 of the National Historic Preservation Act.

The review staff led by Bill Martin, Caitlin Brashear and Lydia Woods has completed its review and has made the following determinations based on the information submitted for review:

Above-Ground Resources

- Property/properties are eligible for listing or already listed in the National Register of Historic Places

- No adverse effects on historic properties

Archeology Comments

- No historic properties present or affected. However, if buried cultural materials are encountered during construction or disturbance activities, work should cease in the immediate area; work can continue where no cultural materials are present. Please contact the THC's Archeology Division at 512-463-6096 to consult on further actions that may be necessary to protect the cultural remains.

We have the following comments: Buildings are non-contributing features of the Houston National Cemetery historic district (NR# 100000697). This review does not include any possible future construction on these lots.

We look forward to further consultation with your office and hope to maintain a partnership that will foster effective historic preservation. Thank you for your cooperation in this review process, and for your efforts to preserve the irreplaceable heritage of Texas. If you have any questions concerning our review or if we can be of further assistance, please email the following reviewers: bill.martin@thc.texas.gov, caitlin.brashear@thc.texas.gov, lydia.woods@thc.texas.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "William A. Martin". The signature is fluid and cursive, with a long horizontal stroke at the end.

For Mark Wolfe, State Historic Preservation Officer
Executive Director, Texas Historical Commission

Please do not respond to this email.

2019

Initial Cultural Resource Impact Prediction – Building 2501 and Building 3006, 1621 Aldine Western Road, Houston, Texas



Row 10 Historic Preservation Solutions, LLC

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Executive Summary

In 2017, the Secretary of the U. S. Department of Veterans Affairs (VA) announced plans to reduce the number of vacant buildings at various VA facilities across the continental United States. Determinations regarding historic property status will assist VA to decide among the options for reducing vacant buildings. These options include reuse by VA; reuse through VA's Enhanced-Use Leasing (EUL) authority; disposal through GSA; and demolition. Decisions will be made by evaluating which option best meets the agency's mission of providing quality care to Veterans.

This study was written and produced by Row 10 Historic Preservation Solutions, LLC under a subcontract agreement with Concourse Federal Group. It was prepared for VA.

In 2018, Row 10 Historic Preservations Solutions, LLC conducted a preliminary cultural resources study of a residence (Building #2501) and a barn (Building #3006) with a shed on the grounds of the Houston National Cemetery, located in Harris County, Texas. **The buildings are located within the boundaries of the Houston National Cemetery, a property listed in the National Register of Historic Places in 2017 but are listed in the nomination as non-contributing resources to the Cemetery. Buildings #2501 and #3006 do not possess the necessary significance for individual listing in the National Register of Historic Places.**

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Common Abbreviations

Abbreviation/Acronym	Term
ACHP	Advisory Council on Historic Preservation
APE	Area of Potential Effect
MOA	Memorandum of Agreement
NCA	National Cemetery Administration
NEPA	National Environmental Policy Act
NHPA	National Historic Preservation Act of 1966, as amended
NRHD	National Register Historic District
NRHP	National Register of Historic Places
OAEM	VA Office of Asset Enterprise Management
Section 106	Section 106 of the National Historic Preservation Act; implementing regulations codified in 36 CFR Part 800
SHPO	State Historic Preservation Officer
TCP	Traditional Cultural Property
VA	U.S. Department of Veterans Affairs

Project Description

The U.S. Department of Veterans Affairs (VA), by and through its Office of Asset Enterprise Management (OAEM), is seeking to eliminate vacant buildings from its real property inventory. The reuse, disposal, or demolition of vacant buildings requires due diligence reports related to environmental conditions, including cultural and historic status, in order for VA to comply with and meet its obligations under the National Historic Preservation Act (NHPA) and the National Environmental Policy Act (NEPA). These due diligence reports are required to provide technical information to VA when the agency makes determinations about disposal methods and reuse alternatives for its vacant real property buildings. This report does not constitute compliance with Section 106 of the NHPA but is designed to assist VA in determining a compliance strategy. VA Directive 7545 defines cultural resources as "all aspects of the human environment that have historical, architectural, archaeological, or cultural significance, including, but not limited to, historic properties, archaeological resources and data, Native American ancestral remains and cultural items, religious places and practices, historical objects and artifacts, historical documents, and community identity."

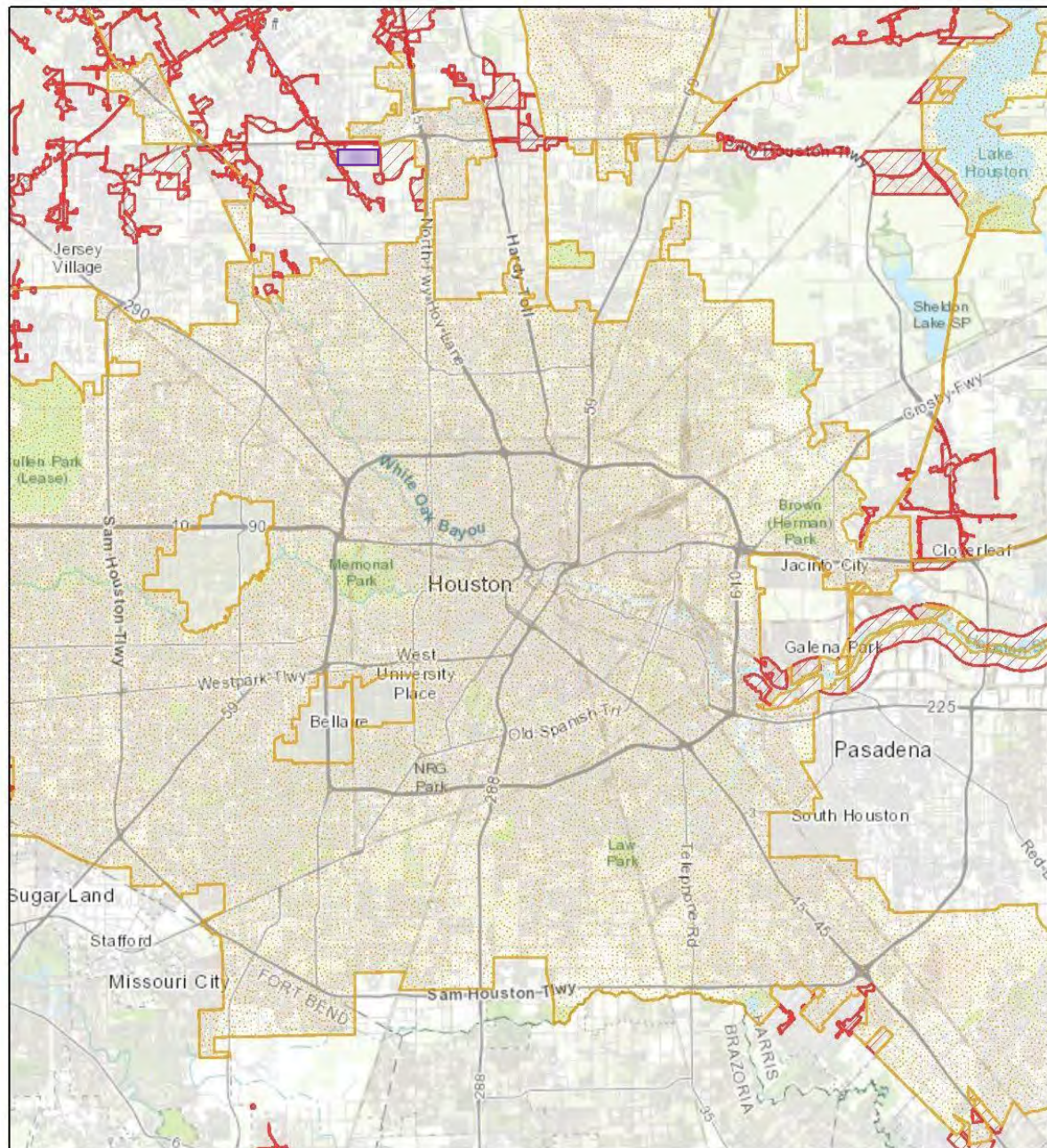
Protection of Historic Properties (36 CFR Part 800) defines a historic property as "any prehistoric or historic district, site, building, structure, or object included in, or eligible for inclusion in, the National Register of Historic Places (NRHP) maintained by the Secretary of the Interior." The term also includes properties of traditional religious and cultural importance to a Native American tribe that meet the NRHP criteria, called a Traditional Cultural Property (TCP). To qualify for listing in the NRHP, a property must be (1) fifty years of age or older, with limited exceptions, (2) significant to the understanding of local, state, or national history, and (3) retain sufficient integrity, i.e. physical features, to convey the importance of the property. Collections of related historic properties, such as a neighborhood or a college campus, may qualify as historic districts. Properties are eligible for listing under the following criteria:

- (A) Association with an event or events that have contributed to the broad patterns of American history;
- (B) Association with the lives of persons significant to our past;
- (C) Embodiment of a distinctive architectural type or style, period, or method of construction, or the work of a master; or
- (D) Contain, or are highly likely to contain significant research potential (usually applied to archeological sites).

The Houston National Cemetery was listed in the NRHP in 2017. The Cemetery grounds measure nearly 420 acres, but only approximately 245 acres have been developed (Figures 1 and 2).¹ The remaining acreage is currently leased out and used for cattle production. The long-term lessee of a home and barn with a shed addressed 1621 Aldine Western Road has vacated the premises; the vacant property has become a target for vandalism, and a shelter for transient persons experiencing homelessness. Houston National Cemetery leadership proposes to demolish the vacant residence and barn serve no foreseeable function or purpose for the Cemetery and present a safety risk. An architectural historian meeting the *Professional Qualification Standards* established by the Secretary of the Interior as codified in 36 CFR 61, surveyed both buildings and the surrounding acreage on April 3rd, 2018. **Buildings #2501 and #3006 have been determined to be non-contributing resources to the Houston National Cemetery historic district,**

¹ National Register of Historic Places, Houston National Cemetery, Houston, Harris County, Texas, National Register No. #100000697.

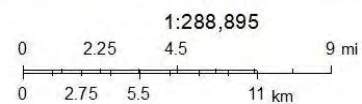
and field efforts and related research did not identify any of the qualities of significance necessary to list either building individually in the NRHP.



March 16, 2018

Houston City Limit

- City of Houston Full Municipal Services
- City of Houston Partial Municipal Services



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, © OpenStreetMap contributors, and the GIS User Community

Figure 1. Location of Houston National Cemetery (Purple) in Greater Houston Area



Figure 2. Location of 1621 Aldine Western Road (Blue) within the Houston National Cemetery (boundaries indicated in orange)

Methodology

Section 106 of the National Historic Preservation Act of 1966, as amended (NHPA), requires federal agencies to consider the effects of their undertakings on historic properties. Row 10 conducted archival research and fieldwork to identify cultural resources associated with the residence and barn with shed addressed 1621 Aldine Western Road, Houston, Texas, and to inform compliance with Section 106 for future reuse, disposal, or demolition of those resources.

Archival Methods

The Texas Historical Commission maintains an online database of state-recognized and NRHP-listed buildings, structures, objects, and cemeteries. This database, known as Atlas, also provides information concerning archaeological surveys and sites. A cultural resource professional with Row 10 accessed Atlas in March 2018.

A historian with Row 10 reviewed materials held by the Harris County Public Library System about the history of Harris County, Houston, and the local area on April 3, 2018. The library closest to the Houston National Cemetery, the Barbara Bush Branch Library, flooded during Hurricane Harvey in 2017 and remains closed to visitors. Row 10 historians also reviewed online databases of newspapers, census records, city directories, vital records, and local histories. The area of the Houston National Cemetery developed in the twentieth century as Houston grew into one of the largest cities in the United States. Secondary source accounts were limited.

Field Methods

On April 3, 2018, Kelly Sellers Wittie, a Row 10 architectural historian who meets the *Professional Qualification Standards* established by the Secretary of the Interior (36 CFR Part 61), visited the Houston National Cemetery. Cemetery Foreman Scott Weber accompanied Ms. Wittie and opened the buildings for interior inspection.

Each building and the surrounding land were recorded with a digital camera in both NEF (a proprietary format used by Nikon) and .jpg formats. Ms. Wittie also took written field notes. Completion of Texas Historical Commission Survey forms was not included in the scope of work for this initiative. Recordation included survey of nearby privately-owned properties from the public right-of-way along Aldine Western Road.

Ms. Wittie also surveyed the Houston National Cemetery to determine if demolition of the residence and barn would affect the historic character of the NRHD. Survey included all areas open to the public. Photos were not taken in areas where committals or services were ongoing or in preparation.

History of Houston National Cemetery and Acquired Parcel

Slow growth characterized European development of present-day Harris County from 1824 until after the Texas Revolution of the 1830s. Several battles took place in the area, notably the Battle of San Jacinto. Houston was named capital of the new country in 1836 but lost the designation to Austin in 1839. The designation coupled with lesser hostilities and fertile ground led to a population increase which in turn attracted railroads. By 1853, Houston boasted of at least five rail lines to facilitate the transportation of cotton, sugar, and other crops to larger markets.²

Development of Houston accelerated in the early twentieth century due to infrastructure improvements in water transportation and the establishment of oil refineries. By 1930, Harris County outnumbered Dallas by more than 100,000 people. The population of Houston alone numbered nearly 300,000 in 1930, and rose steadily, topping one million residents between 1960 and 1970.³

In 1962, Congress authorized the Veterans Administration to build a cemetery in the Houston area under Public Law 87-741. John F. and William L. Montague offered more than 400 undeveloped acres on the north side of Houston for purchase and development. At that time, north Houston was primarily agricultural fields and grazing areas.⁴

The Montagues and the Veterans Administration signed the purchase agreement in 1963 for \$691,701.45. Staff of the Veterans Administration quickly set to work to landscape the enormous site in a manner befitting American servicemembers, Veterans, and their families. The plan for development was based on a National Cemetery that had recently been constructed the Philippines, and include circled roadways centered around an ornate hemicycle (Figure 3). This landscape design lasted until 1979, when the Veterans Administration expanded available acreage for interments. Officially finalized in 1985, this Master Plan has served as the basis for the Houston National Cemetery design and aesthetic policy ever since (Figure 4).⁵

Research indicated that the Pester Family lived in the residence since at least the mid-1990s, but interviews with Houston National Cemetery leadership indicate the family lived in the house since the mid-twentieth century. The Pestors raised cattle and used the barn on the property for milking. The Pestors no longer live in the home.⁶

² Ibid.

³ David G. McComb, *Houston – A History*, (Austin, Texas: University of Texas Press), 1982, 147.

⁴ NRHP, *Houston National Cemetery*, 13.

⁵ NRHP, *Houston National Cemetery*, 14.

⁶ Ancestry.com, *U.S. Phone and Address Directories, 1993-2002*, Provo, UT, USA: Ancestry.com Operations Inc, 2005.; Personal communication, Kelly Sellers Wittie with S. Weber, April 3, 2018.

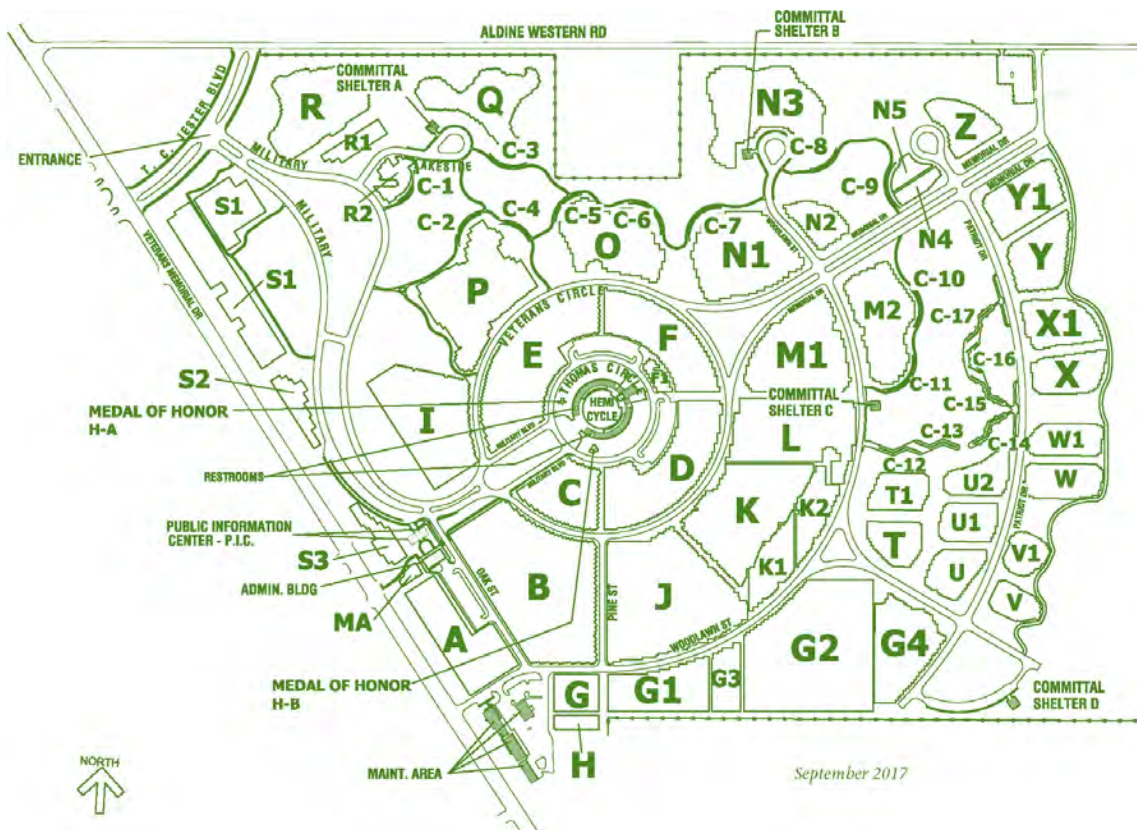


Figure 3. Houston National Cemetery Facility Map



Figure 4. Houston National Cemetery, April 2018

Results of Investigations

The residence and barn/shed are listed as non-contributing resources to the Houston National Cemetery historic district. Archival research and field investigations did not identify significance of workmanship or architectural style that would qualify the buildings for individual listing in the NRHP.

Results of Archival Investigations

Buildings #2501 (residence) and #3006 (barn/shed) are located within the Houston National Cemetery historic district but are not in use for memorial purposes.⁷ The residence and barn/shed addressed 1621 Aldine Western Road have been part of the Houston National Cemetery since it was founded in the early 1960s. Currently, the parcel is associated with cattle cultivation. For at least two decades, Byron James and Doris M. (Schlitz) Pester leased the property from NCA.⁸ Foreman Scott Weber stated the Pestors have been on the property since the 1960s. There is no evidence of historic significance associated with the property or with its management by the Pestors.

The Veterans Administration established the Houston Veterans Administration Cemetery in 1963 as the only Veterans Administration cemetery established during the Vietnam War (1955-1975). The cemetery was transferred to the National Cemetery Service, precursor to the National Cemetery Administration, in 1973, and was renamed the Houston National Cemetery. The site was listed in the NRHP under Criterion A for thematic associations with both *Military* and *Politics/Government* in January 2017. Contributing resources include the Hemicycle, Administration Building, Chapel, perimeter fence, columbaria, flag poles, monuments, and the Gettysburg Address Tablet. In total, 51 features of the cemetery contribute to the historic character of the Cemetery. The residence and barn/shed were identified as non-contributing resources to the Houston National Cemetery historic district.⁹

The Texas Historical Commission does not have a record of any previous archaeological surveys of the property. Archaeologists use previous investigations in the geographic vicinity of project areas as one indicator of the presence or absence of deposits. Four archaeological surveys have been conducted within one mile of the Houston National Cemetery; the most recent survey was completed on behalf of the US Army Corps of Engineers in September 2012.

Table 1: Archaeological Surveys within 1 mile of the Project Area¹⁰

Atlas Number	Sponsor	Firm	Fieldwork Date
8500020658	US Army Corps of Engineers – Galveston District	HRA Gray & Pape	September 2012
8400000353	--	--	1991
8400000352	--	--	1991
8500009824	US Army Corps of Engineers – Galveston District	Prewitt & Associates, Inc.	March 1998

⁷ Harris County, Harris County Appraisal District Parcel Viewer, 2019, <https://arcweb.hcad.org/parcelviewer/>.

⁸ Ancestry.com, U.S. Phone and Address Directories, 1993-2002 [database on-line]. Provo, UT, USA: Ancestry.com Operations Inc, 2005.

⁹ NRHP, Houston National Cemetery, 2, 11.

¹⁰ Texas Historical Society, Texas Historic Sites Database (Atlas), 2015, <https://atlas.thc.state.tx.us/About>.