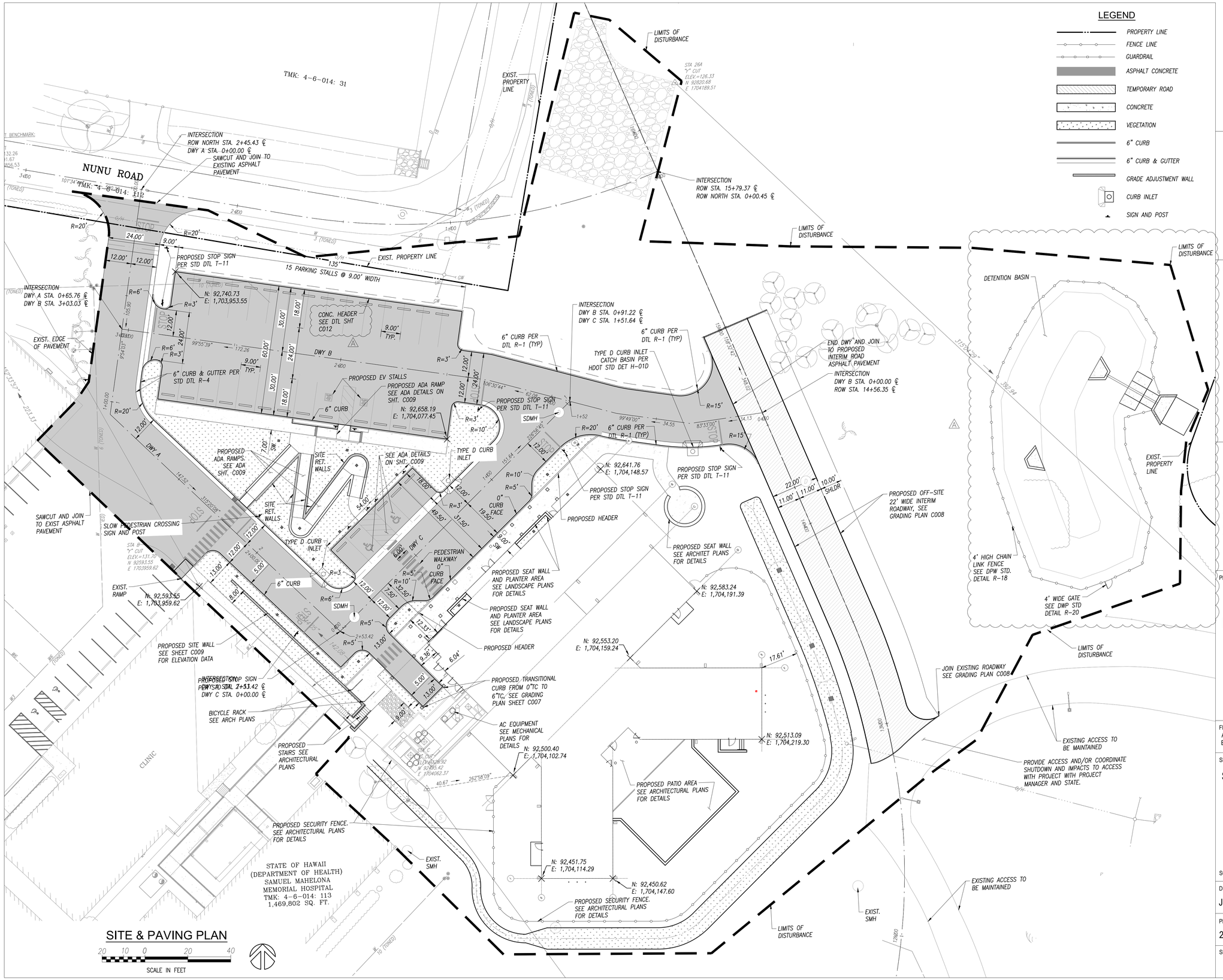


G70
111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

03/30/2026	ADDENDUM 1

ADDENDUM 1 / PERMIT SET
03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

RYAN M. K. CHAR
LICENSED PROFESSIONAL ENGINEER
No. 15480-C
HAWAII, U.S.A.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

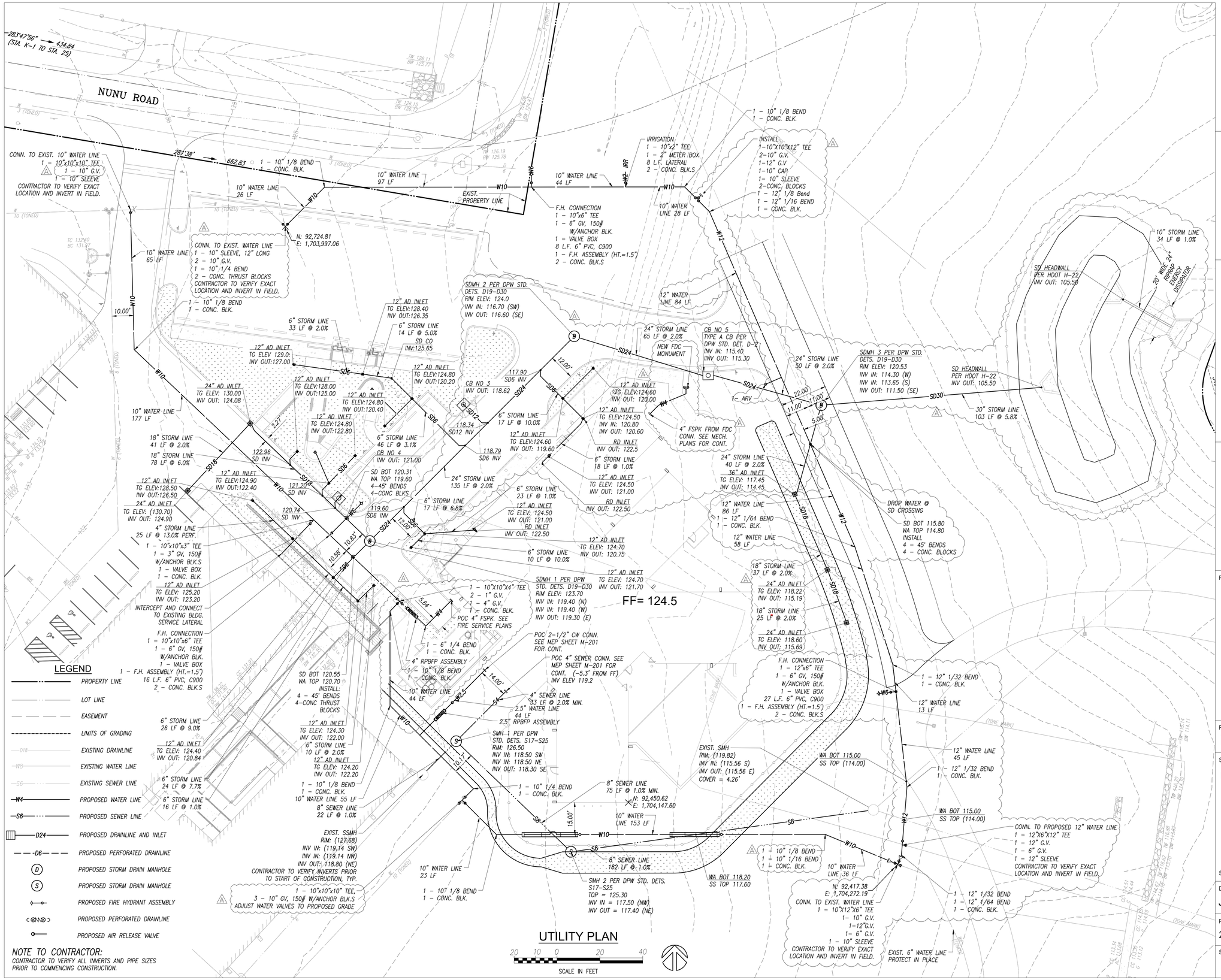
FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

SHEET NAME
SITE & PAVING PLAN

SCALE: As indicated

DRAWN BY	CHECKED BY
JCR	RMKC
PROJECT NO. 221093-01	SHEET NO. C004
SHEET ISSUE DATE 03/30/2026	

P:\2022\12\221093-01 SMMH BHNPF\Civil\MDWGs\221093-01 C004 SITE & PAVING PLAN.dwg
3/30/2026 12:10:30 PM



G70
111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

1 03/30/2026	ADDENDUM 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

RYAN M. K. CHAP
LICENSED PROFESSIONAL ENGINEER
No. 15480–C
HAWAII, U.S.A.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

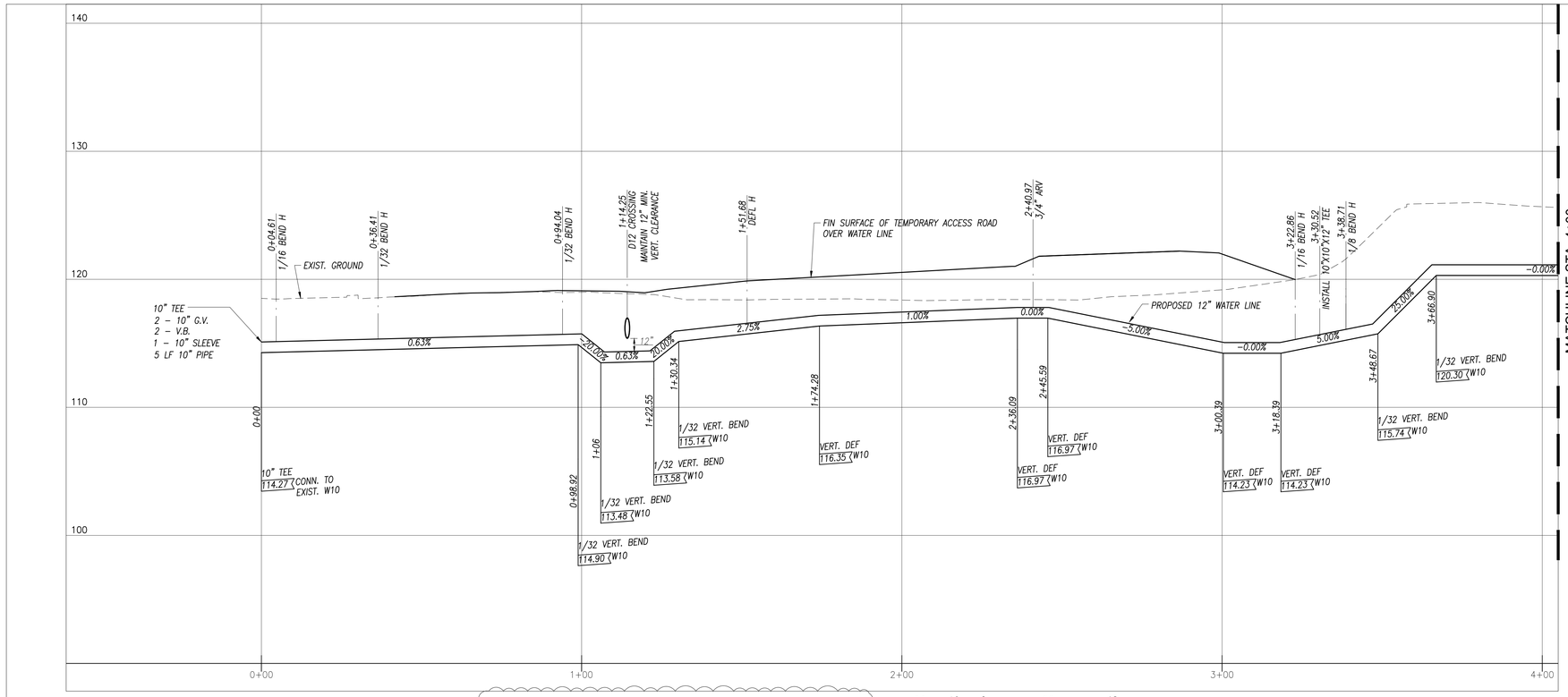
FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

SHEET NAME
UTILITY PLAN

SCALE: As indicated

DRAWN BY	CHECKED BY
JCR/TMC	RMKC
PROJECT NO.	SHEET NO.
221093-01	C005
SHEET ISSUE DATE	
03/30/2026	

PP-20221221-0388201-RYAN.CHAP-SMMH BHNPF-ARCHITECTURAL\Models\221093-01 SMMH BHNPF_A24_Central.rvt
3/30/2026 3:10:05 PM HST



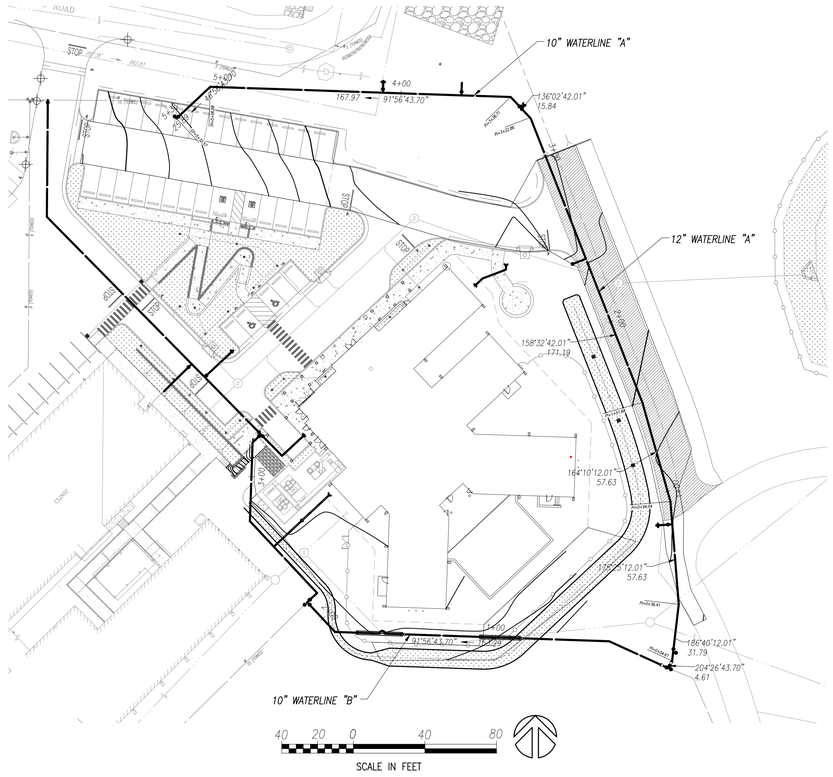
PROFILE – 12"–10" WATER LINE "A"

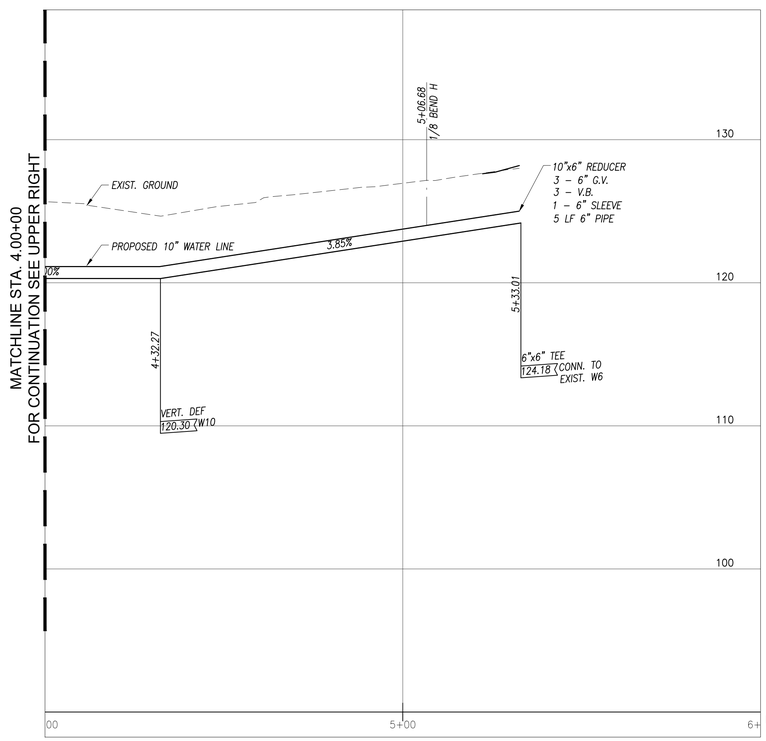
SCALE: HORIZ: 1"=20'

HORIZ 20 10 0 20 40

VERT 4 0 4 8

SCALE IN FEET





PROFILE – 10" WATER LINE "A"

G70
111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

1 03/30/2026	ADDENDUM 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

RYAN M. K. CHAP
LICENSED PROFESSIONAL ENGINEER
No. 15480–C
HAWAII, U.S.A.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

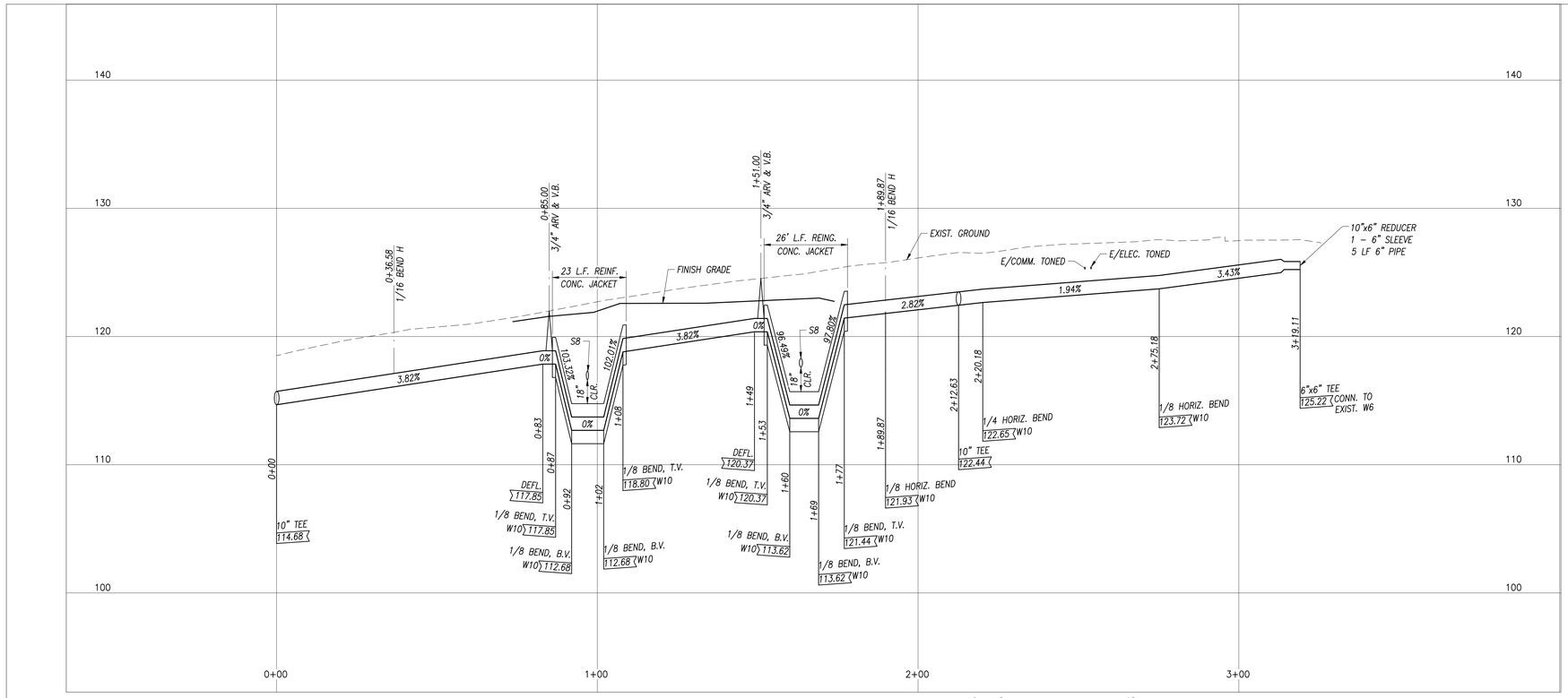
FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

SHEET NAME
PROFILE - 10 INCH WATERLINE A

SCALE: As indicated

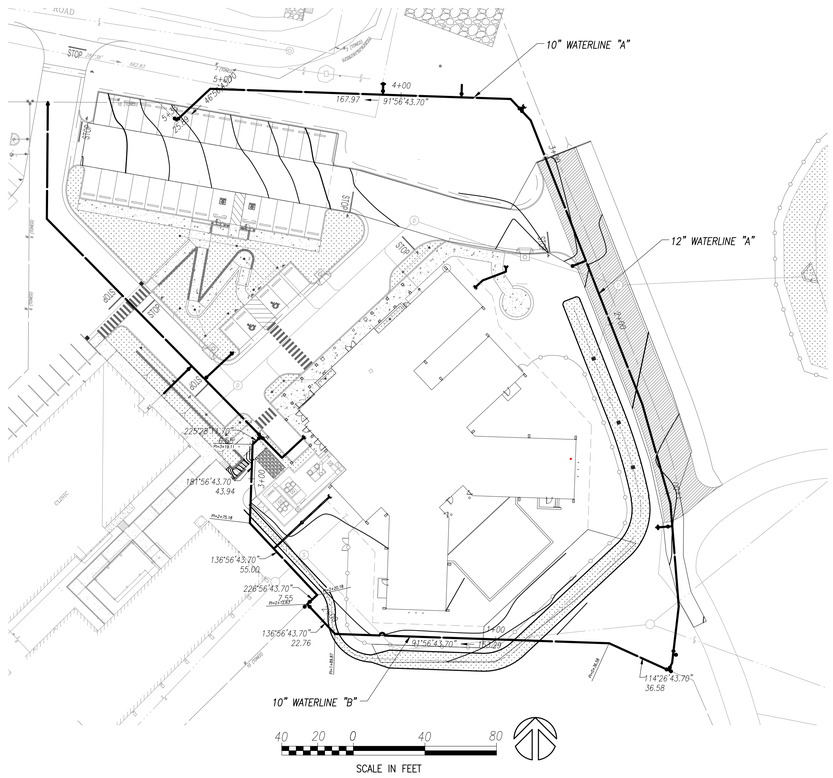
DRAWN BY	CHECKED BY
CM	RMKC
PROJECT NO.	SHEET NO.
221093-01	C006
SHEET ISSUE DATE	
03/30/2026	

P:\2021\221093-01 SMMH BHNPF\Civil\DWGs\221093-01 C006 UTILITY PROFILE.dwg
P:\2021\221093-01 SMMH BHNPF\Civil\DWGs\221093-01 C006 UTILITY PROFILE.dwg
3/30/2026 12:57:47 PM
3/30/2026 12:57:47 PM



PROFILE – 10" WATER LINE "B"

SCALE: HORIZ: 1"=20'



111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

1 03/30/2026	ADDENDUM 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

RYAN M. K CHAR
LICENSED PROFESSIONAL ENGINEER
No. 15480-C
HAWAII, U.S.A.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

SHEET NAME
PROFILE - 10-INCH WATERLINE B

SCALE: As indicated

DRAWN BY	CHECKED BY
CM	RMKC
PROJECT NO. 221093-01	SHEET NO. 1 C007
SHEET ISSUE DATE 03/30/2026	

P:\2021\221093-01 SMMH BHNPF\Civil\DWGs\221093-01 C006 UTILITY PROFILE.dwg
P:\2021\221093-01 SMMH BHNPF\Civil\DWGs\221093-01 C006 UTILITY PROFILE.dwg
3/30/2026 12:57:47 PM
3/30/2026 12:57:47 PM



G70

111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

1 03/30/2026	ADDENDUM 1

ADDENDUM 1 / PERMIT SET
03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

RYAN M. K. CHAR
LICENSED PROFESSIONAL ENGINEER
No. 15480-C
HAWAII, U.S.A.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

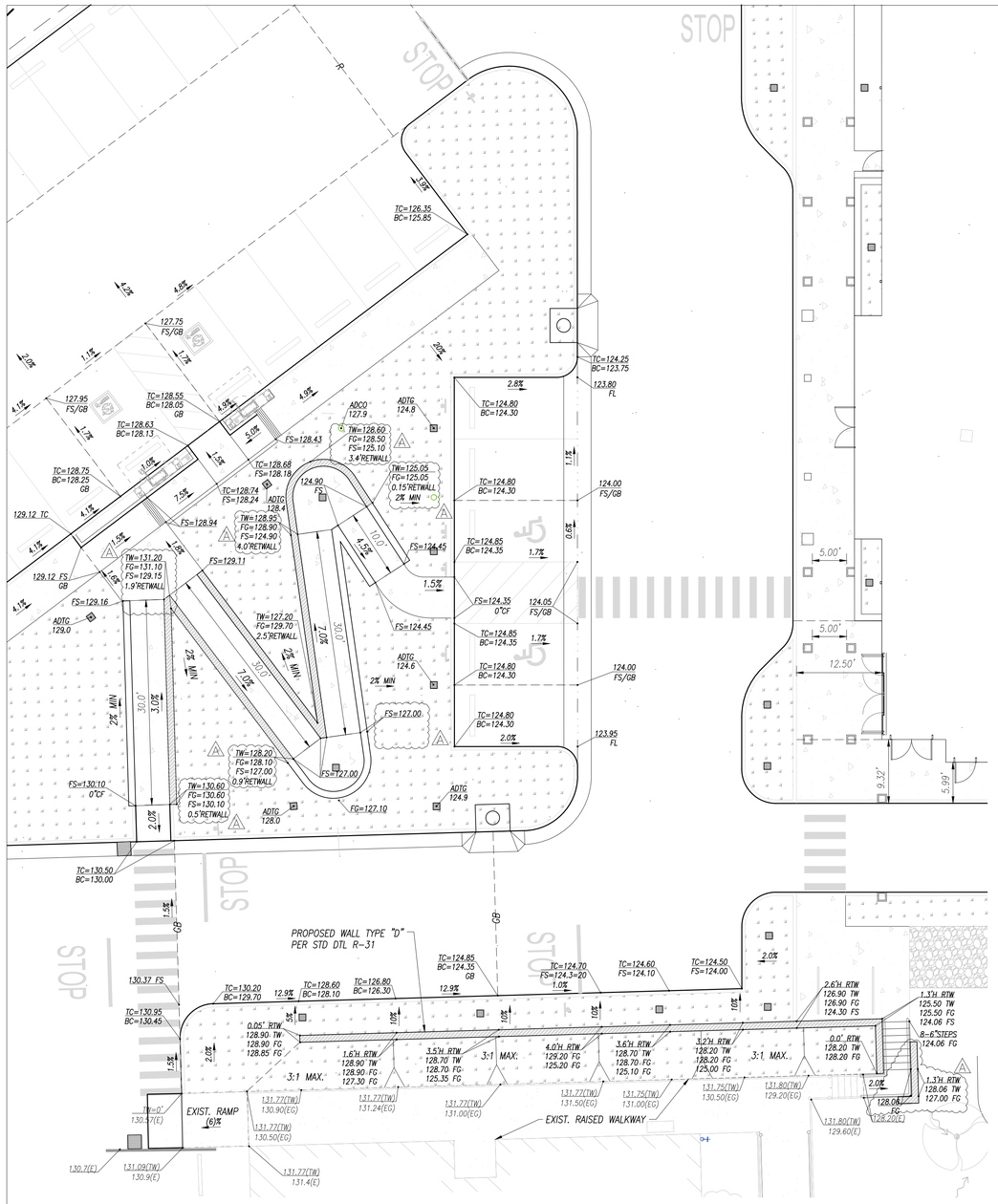
SHEET NAME
GRADING & DRAINAGE PLAN

SCALE: As indicated

DRAWN BY	CHECKED BY
TMC	RMKC
PROJECT NO.	SHEET NO.
221093-01	1 C008
SHEET ISSUE DATE	
03/30/2026	

P:\2021\221093-01 SMMH BHNPF\Civil\DWGs\221093-01 C007 GRDG & DRNG PLAN.dwg

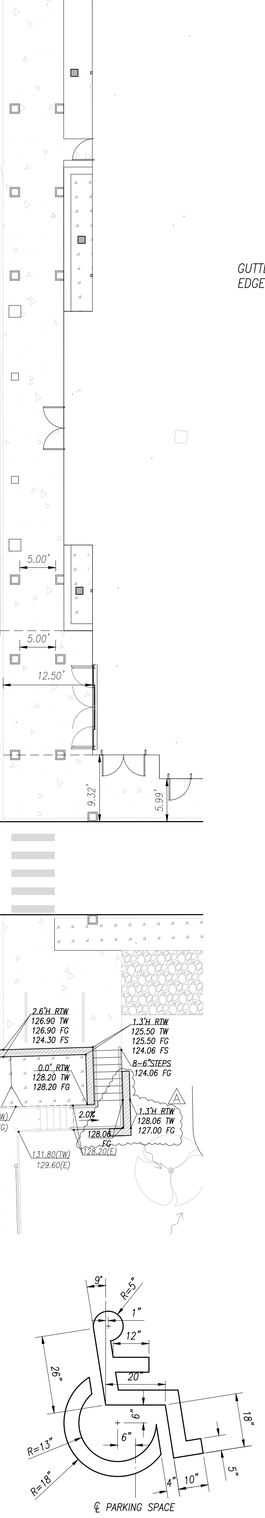
3/30/2026 1:04:06 PM



ACCESSIBLE RAMPS, PARKING AND LOADING DETAILS

10 5 0 10 20

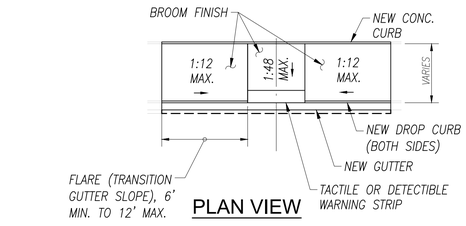
SCALE IN FEET



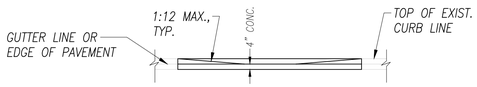
℄ PARKING SPACE

INTERNATIONAL SYMBOL OF ACCESSIBILITY

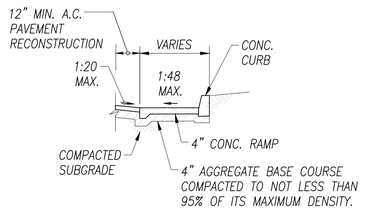
NOT TO SCALE



PLAN VIEW



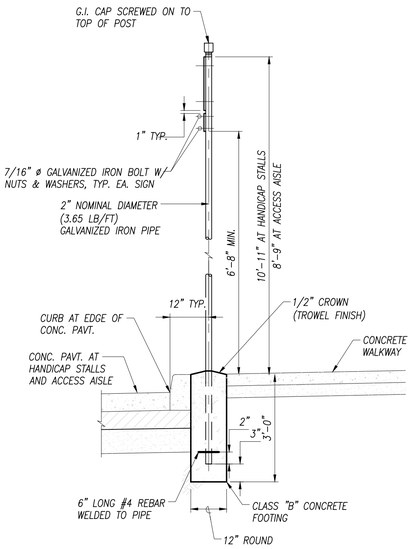
ELEVATION



SECTION

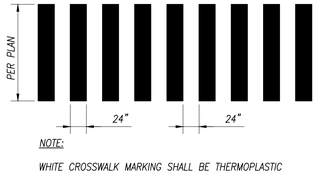
ACCESSIBLE CURB RAMP TYPE B

NOT TO SCALE



ACCESSIBLE PARKING SIGN POST

NOT TO SCALE

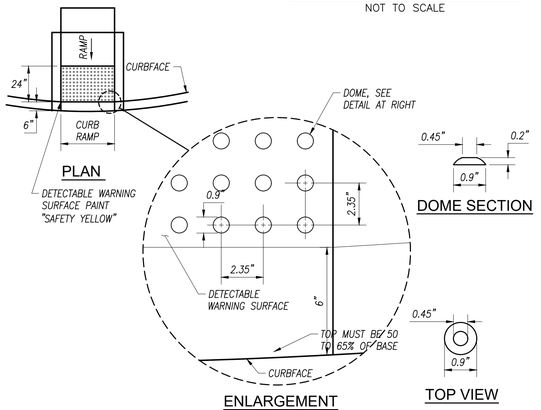


NOTE:

WHITE CROSSWALK MARKING SHALL BE THERMOPLASTIC PAVEMENT MARKING MATERIAL.

CROSSWALK (PRIVATE)

NOT TO SCALE

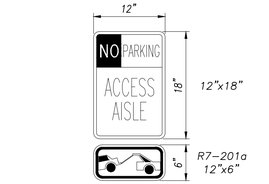


NOTES:

1. DOME SIZE: TRUNCATED DOMES IN A DETECTABLE WARNING SURFACE SHALL HAVE A BASE DIAMETER OF 0.9 INCH MINIMUM AND 1.4 INCHES MAXIMUM, A TOP DIAMETER OF 50 PERCENT OF THE BASE DIAMETER MINIMUM TO 65 PERCENT OF THE BASE DIAMETER MAXIMUM, AND A HEIGHT OF 0.2 INCH.
2. DOME SPACING: TRUNCATED DOMES IN A DETECTABLE WARNING SURFACE SHALL HAVE A CENTER-TO-CENTER SPACING OF 1.6 INCHES MINIMUM AND 2.4 INCHES MAXIMUM, AND A BASE-TO-BASE SPACING OF 0.65 INCH MINIMUM, MEASURED BETWEEN THE MOST ADJACENT DOMES ON A SQUARE GRID.
3. CONTRAST: DETECTABLE WARNING SURFACES SHALL CONTRAST VISUALLY WITH ADJACENT DOMES ON A SQUARE GRID.
4. PLATFORM EDGES: DETECTABLE WARNING SURFACES AT PLATFORM BOARDING EDGES SHALL BE 24 INCHES WIDE AND SHALL EXTEND THE FULL LENGTH OF THE PUBLIC USE AREAS OF THE PLATFORM
5. THE DETECTABLE WARNING SHALL EXTEND THE FULL WIDTH OF THE CURB RAMP (EXCLUSIVE OF FLARED SIDES) AND SHALL EXTEND EITHER THE FULL DEPTH OF THE CURB RAMP OR 24 INCHES DEEP MINIMUM MEASURED FROM THE BACK OF THE CURB ON THE RAMP SURFACE.

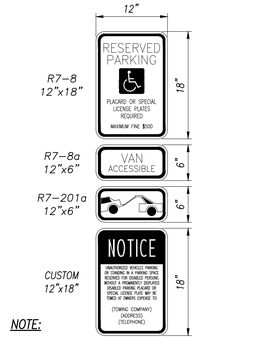
DETECTABLE WARNING ON CURB RAMP DETAIL

NOT TO SCALE



ACCESSIBLE ACCESS AISLE SIGNS

NOT TO SCALE



NOTE:

CONTRACTOR SHALL CONFIRM THE TOW OPERATOR NAME, ADDRESS AND TELEPHONE NUMBER WITH THE FACILITY MANAGER PRIOR TO THE FABRICATION OF THE SIGN.

ACCESSIBLE STALL SIGNS

NOT TO SCALE

G70

111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

1 03/30/2026	ADDENDUM 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

RYAN M. K. CHAN
LICENSED PROFESSIONAL ENGINEER
No. 15480-C
HAWAII, U.S.A.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

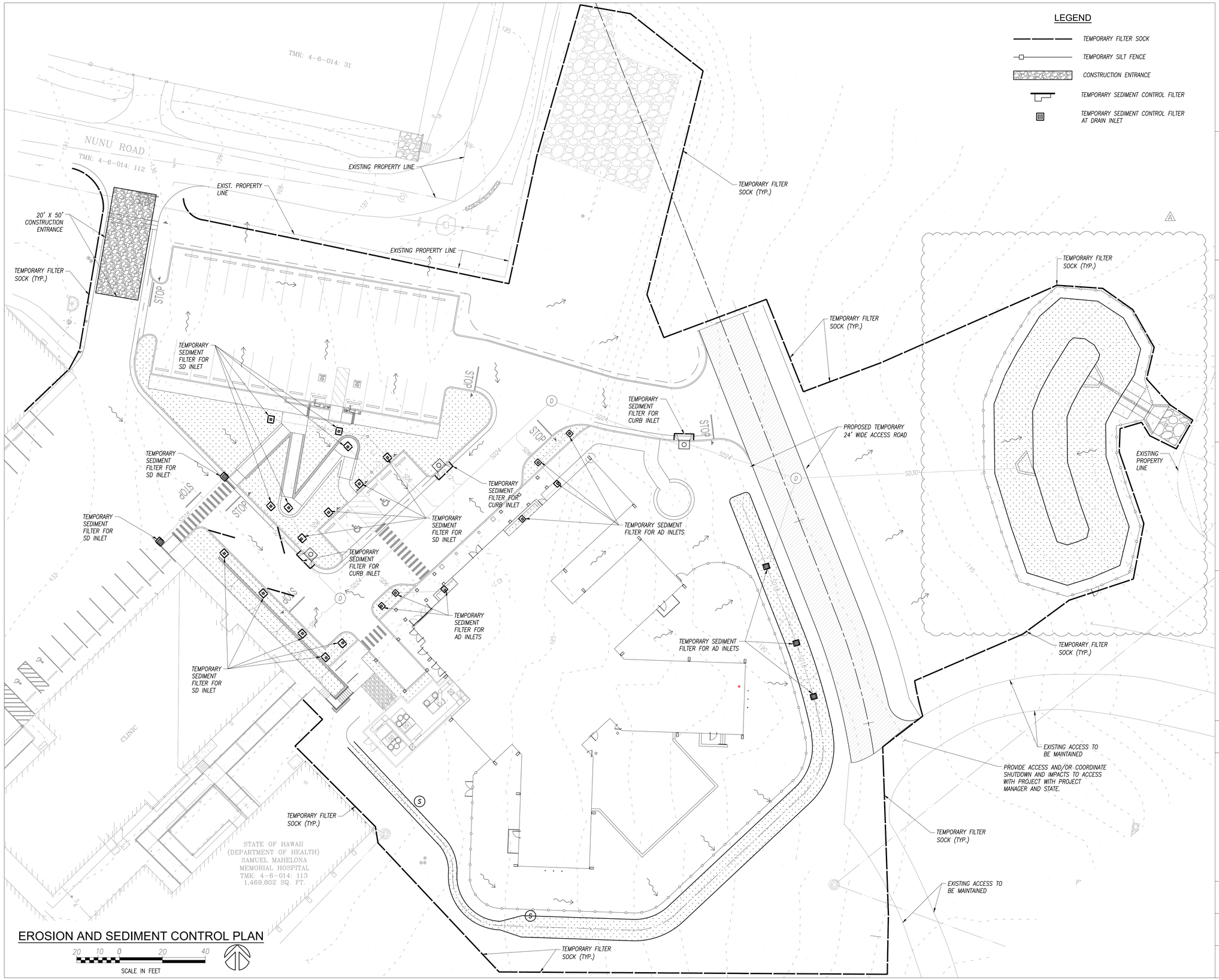
SHEET NAME
ADA DETAILS

SCALE: As indicated

DRAWN BY	CHECKED BY
TMC	RMKC
PROJECT NO. 221093-01	SHEET NO. C009
SHEET ISSUE DATE 03/30/2026	

P:\2021\221093-01 SMMH BHNPF\Civil\DWGs\221093-01 C008 ADA DETAILS.dwg

3/30/2026 12:19:04 PM



EROSION AND SEDIMENT CONTROL PLAN

20 10 0 20 40

SCALE IN FEET

G70

111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

1 03/30/2026	ADDENDUM 1

ADDENDUM 1 / PERMIT SET
03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

RYAN M. K. CHAR
LICENSED PROFESSIONAL ENGINEER
No. 15480-C
HAWAII, U.S.A.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

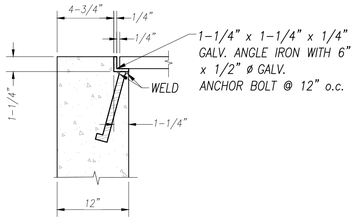
SHEET NAME
EROSION AND SEDIMENT CONTROL PLAN

SCALE: As indicated

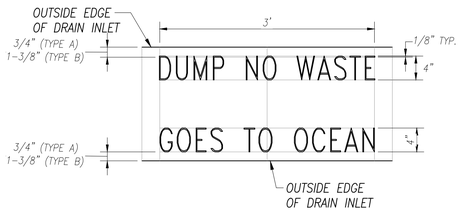
DRAWN BY	CHECKED BY
TMC	RMKC
PROJECT NO.	SHEET NO.
221093-01	C010
SHEET ISSUE DATE	
03/30/2026	

P:\2021\221093-01 SMMH BHNPF\Civil\DWGs\221093-01 C009-C010 ESCP.dwg
3/30/2026 12:25:14 PM

Xref .\X-References\221093-01 DD BORDER.dwg



DETAIL – ANCHOR BOLT
NOT TO SCALE



SPECIFICATIONS

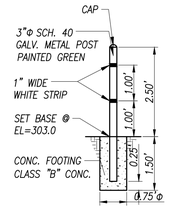
MATERIAL: ALUMINUM ALLOY (CAST ALUMINUM), LEAD, OR EQUAL

LETTERING: HEIGHT OF LETTERS SHALL BE 2" HIGH AND 1/8" WIDE. THE UNDER SIDE OF ALL LETTERING SHALL BE V–SHAPED.

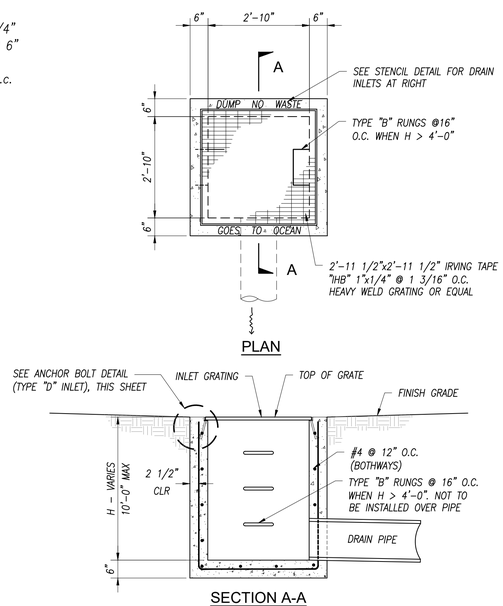
PLACEMENT: THE STENCIL SHALL BE CENTERED ON THE EXPOSED PORTION OF CONCRETE AND SHALL BE 3/4" (TYPE "A") OR 1–3/8" (TYPE "B") AWAY FROM THE OUTSIDE EDGE OF THE INLET.

IMPRESSION: THE STENCIL SHALL BE PRESSED 1/4" INTO THE GREEN.

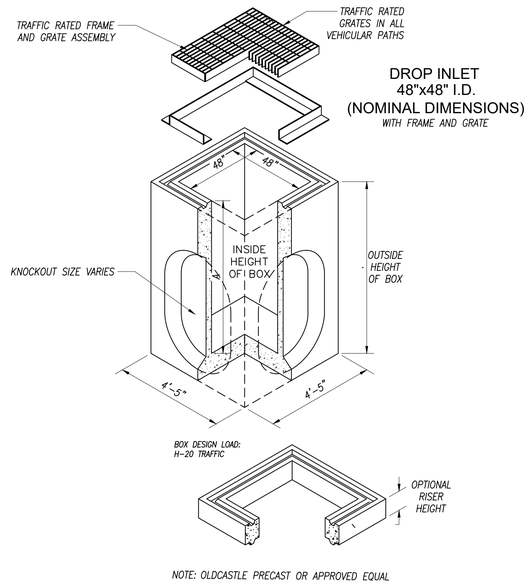
STENCIL FOR DRAIN INLET
NOT TO SCALE



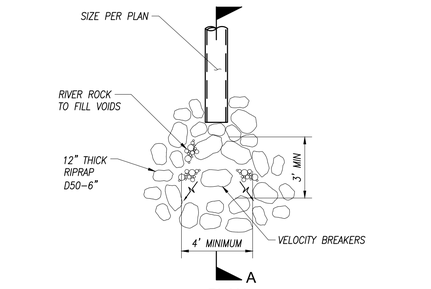
ELEVATION MARKER POST
NOT TO SCALE



24"x24" DRAIN INLET
NOT TO SCALE



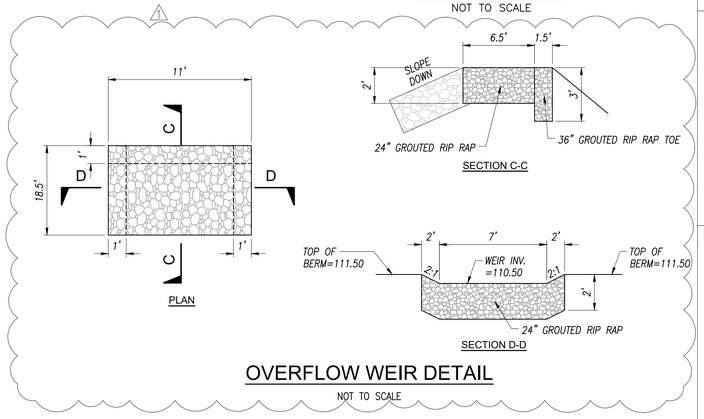
48" x 48" DRAIN INLET
(OR APPROVED EQUAL)
NOT TO SCALE



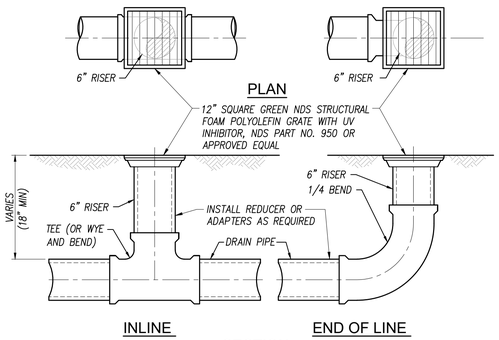
NOTES:

1. UNLESS SPECIFIED OTHERWISE, ALL CONSTRUCTION SHALL BE PURSUANT TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AS REVISED BY THE CITY AND COUNTY OF HONOLULU.
2. FOR DRAIN PIPES, PIPE MATERIALS SHALL BE PURSUANT TO "SECTION 24 – DRAIN PIPES" OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AS REVISED BY THE CITY AND COUNTY OF HONOLULU.
3. FOR RIPRAP, MATERIALS SHALL BE PURSUANT TO "SECTION 611 – HAND–LAID RIPRAP" OF THE HAWAII STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION BY THE STATE OF HAWAII DEPARTMENT OF TRANSPORTATION, HIGHWAYS DIVISION.

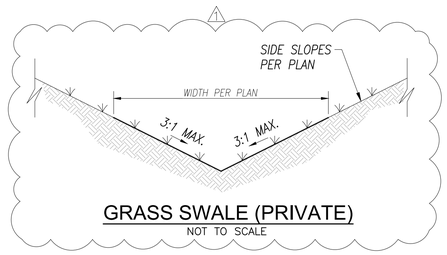
DRAIN OUTLET
NOT TO SCALE



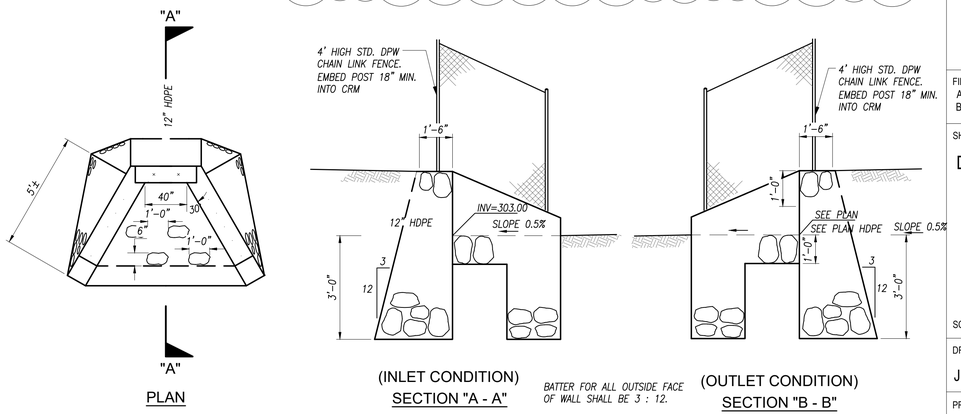
OVERFLOW WEIR DETAIL
NOT TO SCALE



AREA DRAIN
NOT TO SCALE



GRASS SWALE (PRIVATE)
NOT TO SCALE



CRM STORM DRAIN PIPE HEADWALL (PRIVATE)
NOT TO SCALE

G70
111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

1 03/30/2026	ADDENDUM 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

RYAN M. K. CHAR
LICENSED PROFESSIONAL ENGINEER
No. 15480–C
HAWAII, U.S.A.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

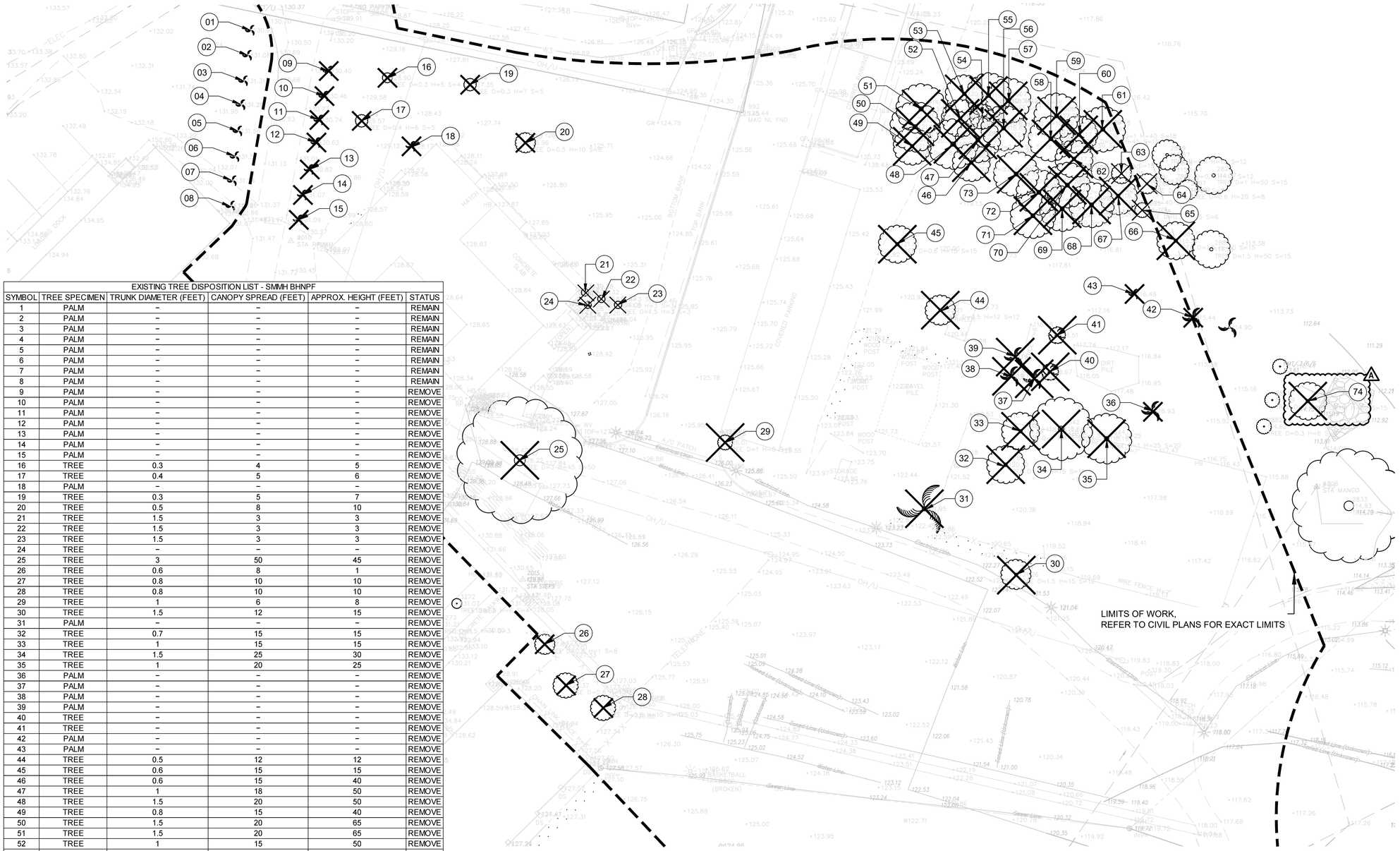
FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

SHEET NAME
DRAINAGE DETAILS

SCALE: As indicated

DRAWN BY	CHECKED BY
JR	RMKC
PROJECT NO.	SHEET NO.
221093-01	C014
SHEET ISSUE DATE	
03/30/2026	

PP:\221093\1221\D0\B3\01 SMMH BHNPF\FTG\wrlTDMWG&a2022\D0\B3\01 (C0)111(C0)13 DIETRAILS.dwg
3/30/2026 12:23:58 PM HST



EXISTING TREE DISPOSITION LIST - SMMH BHNPF					
SYMBOL	TREE SPECIMEN	TRUNK DIAMETER (FEET)	CANOPY SPREAD (FEET)	APPROX. HEIGHT (FEET)	STATUS
1	PALM	–	–	–	REMAIN
2	PALM	–	–	–	REMAIN
3	PALM	–	–	–	REMAIN
4	PALM	–	–	–	REMAIN
5	PALM	–	–	–	REMAIN
6	PALM	–	–	–	REMAIN
7	PALM	–	–	–	REMAIN
8	PALM	–	–	–	REMAIN
9	PALM	–	–	–	REMOVE
10	PALM	–	–	–	REMOVE
11	PALM	–	–	–	REMOVE
12	PALM	–	–	–	REMOVE
13	PALM	–	–	–	REMOVE
14	PALM	–	–	–	REMOVE
15	PALM	–	–	–	REMOVE
16	TREE	0.3	4	5	REMOVE
17	TREE	0.4	5	6	REMOVE
18	PALM	–	–	–	REMOVE
19	TREE	0.3	5	7	REMOVE
20	TREE	0.5	8	10	REMOVE
21	TREE	1.5	3	3	REMOVE
22	TREE	1.5	3	3	REMOVE
23	TREE	1.5	3	3	REMOVE
24	TREE	–	–	–	REMOVE
25	TREE	3	50	45	REMOVE
26	TREE	0.6	8	1	REMOVE
27	TREE	0.8	10	10	REMOVE
28	TREE	0.8	10	10	REMOVE
29	TREE	1	6	8	REMOVE
30	TREE	1.5	12	15	REMOVE
31	PALM	–	–	–	REMOVE
32	TREE	0.7	15	15	REMOVE
33	TREE	1	15	15	REMOVE
34	TREE	1.5	25	30	REMOVE
35	TREE	1	20	25	REMOVE
36	PALM	–	–	–	REMOVE
37	PALM	–	–	–	REMOVE
38	PALM	–	–	–	REMOVE
39	PALM	–	–	–	REMOVE
40	TREE	–	–	–	REMOVE
41	TREE	–	–	–	REMOVE
42	PALM	–	–	–	REMOVE
43	PALM	–	–	–	REMOVE
44	TREE	0.5	12	12	REMOVE
45	TREE	0.6	15	15	REMOVE
46	TREE	0.6	15	40	REMOVE
47	TREE	1	18	50	REMOVE
48	TREE	1.5	20	50	REMOVE
49	TREE	0.8	15	40	REMOVE
50	TREE	1.5	20	65	REMOVE
51	TREE	1.5	20	65	REMOVE
52	TREE	1	15	50	REMOVE
53	TREE	1	15	50	REMOVE
54	TREE	0.6	10	20	REMOVE
55	TREE	1	18	60	REMOVE
56	TREE	1	18	60	REMOVE
57	TREE	1	18	60	REMOVE
58	TREE	1	18	50	REMOVE
59	TREE	1	18	50	REMOVE
60	TREE	0.8	15	45	REMOVE
61	TREE	1	18	40	REMOVE
62	TREE	0.8	15	45	REMOVE
63	TREE	0.6	8	20	REMOVE
64	TREE	0.6	8	20	REMOVE
65	TREE	0.3	6	15	REMOVE
66	TREE	1.5	15	50	REMOVE
67	TREE	1	15	40	REMOVE
68	TREE	1.2	18	60	REMOVE
69	TREE	1	18	60	REMOVE
70	TREE	1	18	60	REMOVE
71	TREE	1	18	60	REMOVE
72	TREE	1	18	60	REMOVE
73	TREE	1	18	50	REMOVE
74	TREE	1.5	15	60	REMOVE

LEGEND

PALM/ TREE TO BE DEMOLISHED AND REMOVED FROM SITE

PALM/ TREE TO REMAIN AND BE PROTECTED DURING CONSTRUCTION.

TREES OUTSIDE OF CONSTRUCTION AREA TO REMAIN AND BE PROTECTED

NOTE:
1. REFER TO CIVIL DRAWINGS FOR SITE DEMOLITION WORK
2. REFER TO L101 AND L102 FOR ADDITIONAL TREE/PALM DISPOSITION AND LANDSCAPE DEMOLITION NOTES.
3. TO PROTECT THE WHITE TERN AND HAWAIIAN HOARY BAT HABITATS DURING CONSTRUCTION, CONTRACTOR SHALL TAKE SPECIAL CARE WHEN TRIMMING, RELOCATING, OR REMOVING TREES ON THE PROJECT SITE. WOODY PLANTS GREATER THAN 15-FEET IN HEIGHT MUST NOT BE DISTURBED, TRIMMED, OR REMOVED DURING THE WHITE TERN NESTING AND FLEDGING SEASON, AND THE JUNE 1 THROUGH SEPTEMBER 15 HAWAIIAN HOARY BAT BIRTHING AND PUP REARING SEASON. TREE REMOVAL IS RESTRICTED TO THE FALL AND EARLY WINTER. TREES MUST BE INSPECTED PRIOR TO TRIMMING OR REMOVAL, AND IF THERE ARE SIGNS THAT WHITE TERNS MAY BE NESTING OR THAT HAWAIIAN HOARY BATS MAY BE ROOSTING IN A TREE, TRIMMING OR REMOVAL OF THE TREE MUST BE DELAYED UNTIL THE WHITE TERN CHICKS HAVE FULLY FLEDGED, OR THE HAWAIIAN HOARY BATS HAVE FINISHED ROOSTING.
4. CONTRACTOR SHALL SURVEY AND STAKE LOCATIONS OF BUILDINGS AS WELL AS APPROXIMATE LIMITS OF GRADING AND TREES TO REMAIN.

GRAPHIC SCALE: 1" = 20'-0"
0 5 10 20 40

PBR HAWAII
& ASSOCIATES, INC.
1001 BISHOP STREET
AMERICAN SAVINGS BANK TOWER,
SUITE 650
HONOLULU, HAWAII 96813-3484
TEL: (808) 521-5631 FAX: (808) 523-1402
WEB: WWW.PBRHAWAII.COM
EMAIL: SYSADMIN@PBRHAWAII.COM

REVISIONS

#	Date	Description
A	03/30/26	Addendum 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

SHEET NAME

TREE DISPOSITION PLAN

SCALE: 1" = 20'-0"

DRAWN BY	CHECKED BY
PW/AF	MS
PROJECT NO.	SHEET NO.
221093-01	L100
SHEET ISSUE DATE	
03/30/2026	

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

3/11/2026 9:52:29 AM

NOTE:
SEE CIVIL PLANS FOR ALL WALKWAY LAYOUT PLANS.

LIMITS OF WORK, REFER TO CIVIL PLANS FOR EXACT LIMITS

1 / L201 (APROX. 50 LF) LAVA SEAT WALL WITH CONCRETE CAP, SEE SHEET L201 FOR DETAIL AND ENLARGEMENT. TYP. SYM.

1 / L203 (1) ALUMINUM MAINTENANCE ACCESS GATE DETAIL, TYP. SYM.

1 / L202 (377 LF) ALUMINUM PICKET FENCE DETAIL (60" HEIGHT) TYP. SYM.

3 / L201 (3) 'RIDE' BIKE RACKS BY LANDSCAPE FORMS, TYP. SYM.

2 / L202 (1) ALUMINUM VEHICULAR ACCESS GATE DETAIL, TYP. SYM.

GRAPHIC SCALE: 1" = 20'-0"
0 5 10 20 40

PBR HAWAII
& ASSOCIATES, INC.
1001 BISHOP STREET
AMERICAN SAVINGS BANK TOWER,
SUITE 650
HONOLULU, HAWAII 96813-3484
TEL: (808) 521-5631 FAX: (808) 523-1402
WEB: WWW.PBRHAWAII.COM
EMAIL: SYSADMIN@PBRHAWAII.COM

REVISIONS

#	Date	Description
1	03/30/26	Addendum 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

SHEET NAME
HARDSCAPE PLAN

SCALE: 1" = 20'-0"

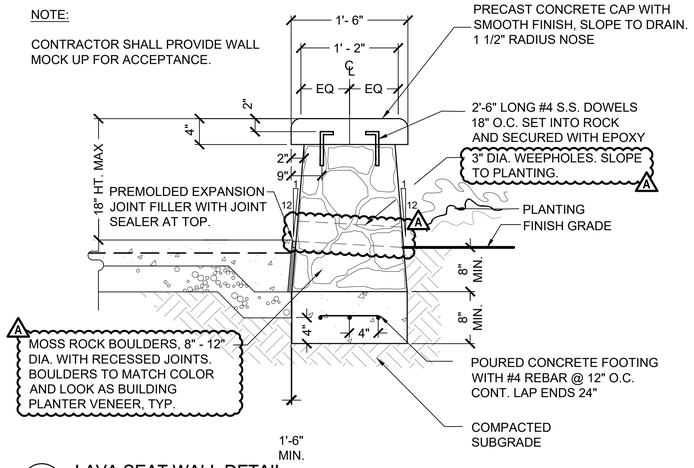
DRAWN BY	CHECKED BY
PW/AF	MS
PROJECT NO. 221093-01	SHEET NO. L200
SHEET ISSUE DATE 03/30/2026	

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

3/11/2026 9:52:29 AM

NOTE:

CONTRACTOR SHALL PROVIDE WALL MOCK UP FOR ACCEPTANCE.



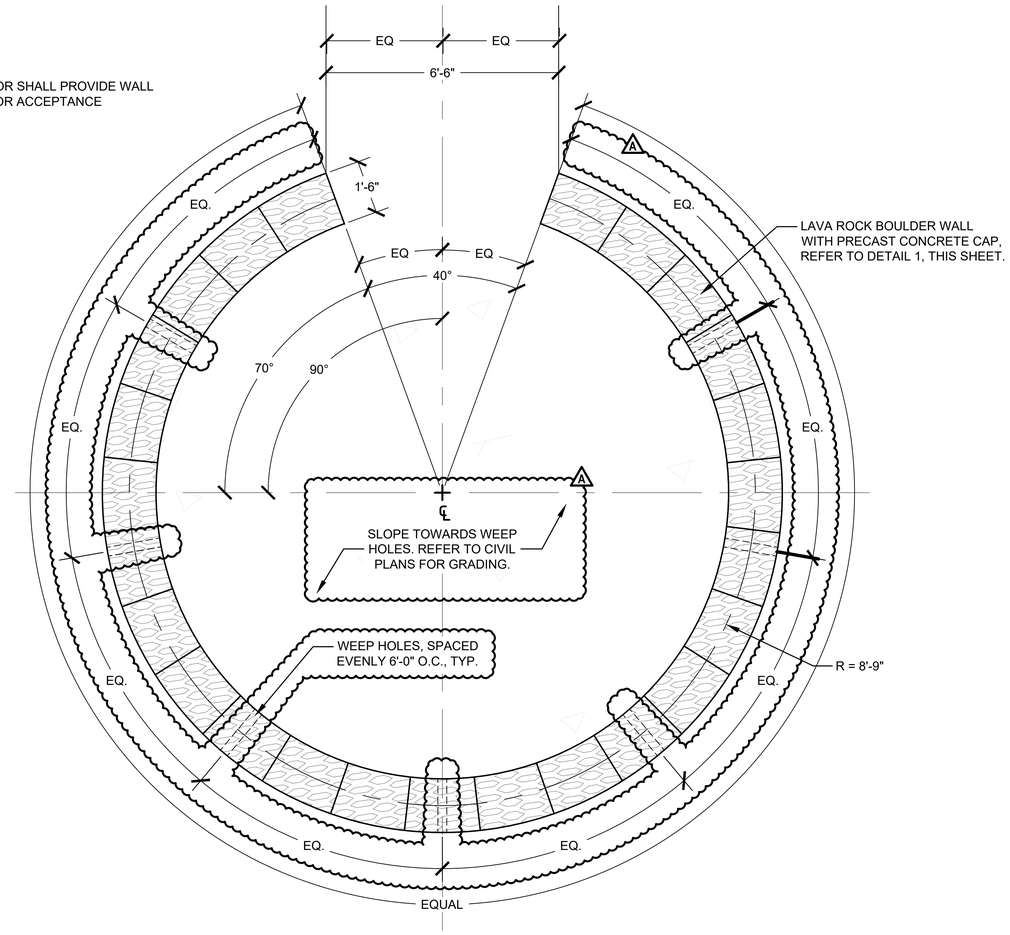
1 LAVA SEAT WALL DETAIL

NOT TO SCALE

DETAIL–FILE

NOTE:

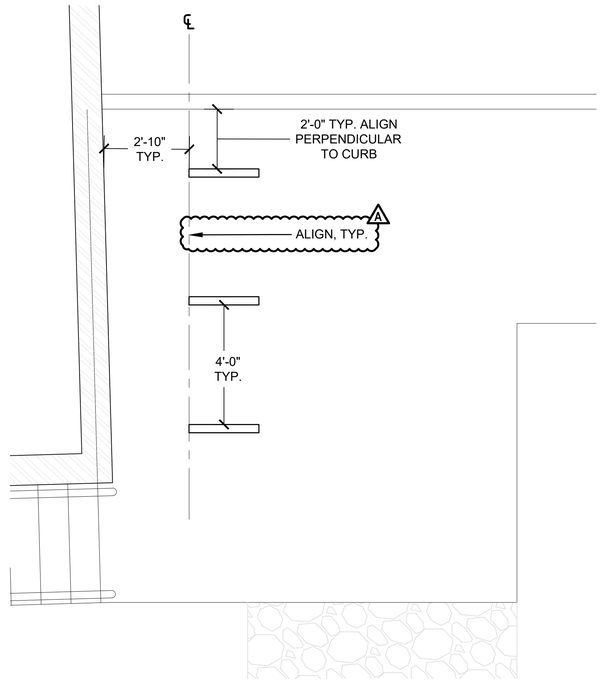
CONTRACTOR SHALL PROVIDE WALL MOCK UP FOR ACCEPTANCE



2 LAVA SEAT WALL ENLARGEMENT

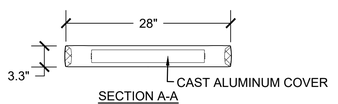
NOT TO SCALE

DETAIL–FILE



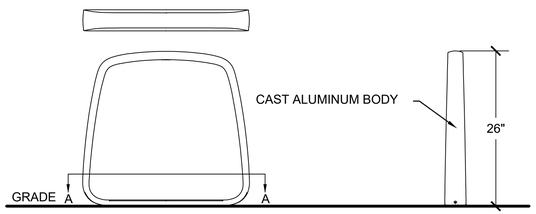
'RIDE' BIKE RACK LAYOUT PLAN

NOT TO SCALE



SECTION A-A

NOTE:
'RIDE' BIKE RACK BY LANDSCAPEFORMS INSTALL PER MANUFACTURER'S INSTRUCTIONS AND RECOMMENDED INSTALLATION HARDWARE.



3 'RIDE' BIKE RACK

NOT TO SCALE

PBR HAWAII
& ASSOCIATES, INC.
1001 BISHOP STREET
AMERICAN SAVINGS BANK TOWER,
SUITE 650
HONOLULU, HAWAI'I 96813-3484
TEL: (808) 521-5631 FAX: (808) 523-1402
WEB: WWW.PBRHAWAII.COM
EMAIL: SYSADMIN@PBRHAWAII.COM

REVISIONS

#	Date	Description
1	03/30/26	Addendum 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

SHEET NAME
HARDSCAPE DETAILS - 1

SCALE:

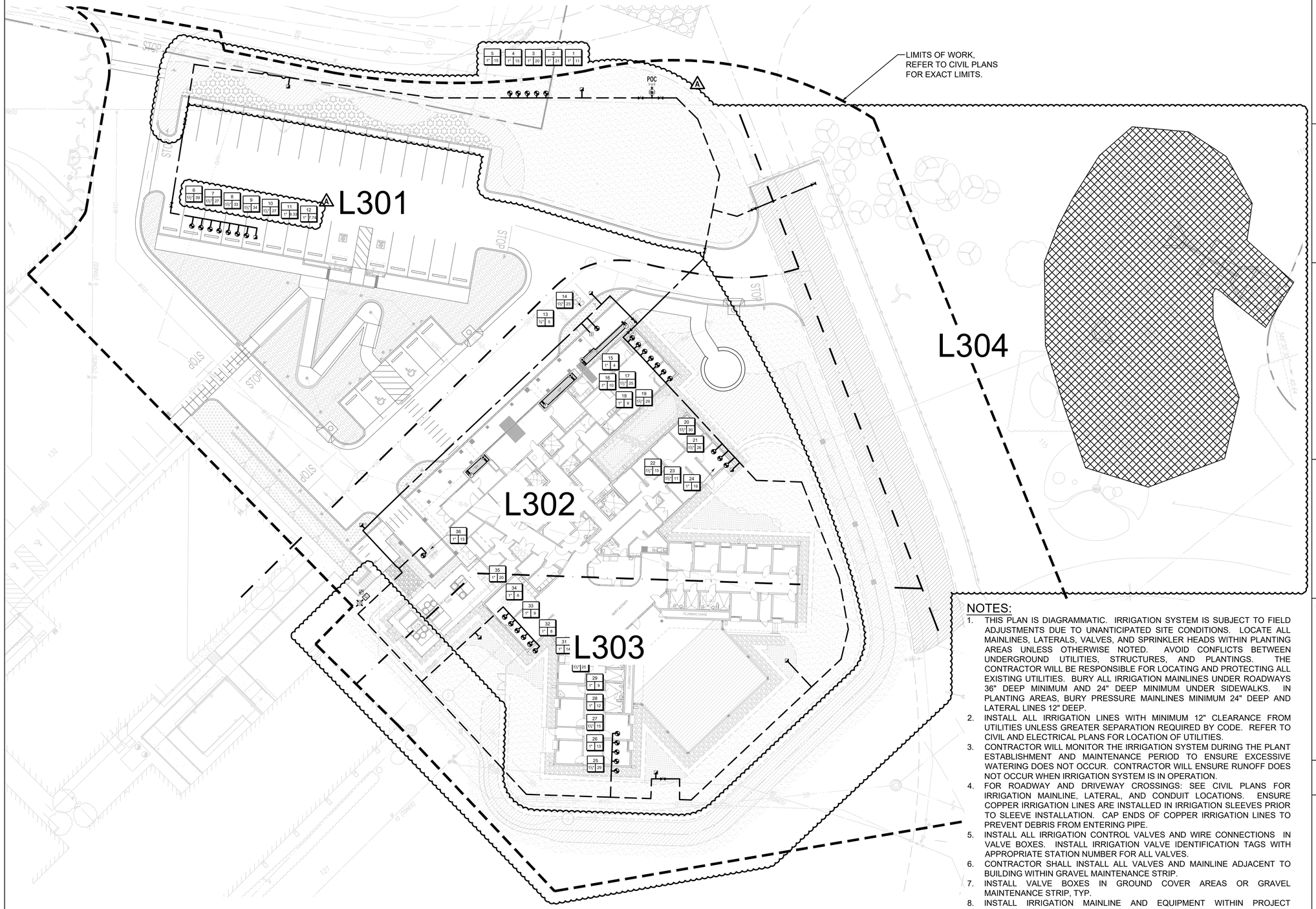
DRAWN BY	CHECKED BY
PW/AF	MS

PROJECT NO.	SHEET NO.
221093-01	L201

SHEET ISSUE DATE
03/30/2026

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

3/11/2026 9:52:29 AM



NOTES:

1. THIS PLAN IS DIAGRAMMATIC. IRRIGATION SYSTEM IS SUBJECT TO FIELD ADJUSTMENTS DUE TO UNANTICIPATED SITE CONDITIONS. LOCATE ALL MAINLINES, LATERALS, VALVES, AND SPRINKLER HEADS WITHIN PLANTING AREAS UNLESS OTHERWISE NOTED. AVOID CONFLICTS BETWEEN UNDERGROUND UTILITIES, STRUCTURES, AND PLANTINGS. THE CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES. BURY ALL IRRIGATION MAINLINES UNDER ROADWAYS 36" DEEP MINIMUM AND 24" DEEP MINIMUM UNDER SIDEWALKS. IN PLANTING AREAS, BURY PRESSURE MAINLINES MINIMUM 24" DEEP AND LATERAL LINES 12" DEEP.
2. INSTALL ALL IRRIGATION LINES WITH MINIMUM 12" CLEARANCE FROM UTILITIES UNLESS GREATER SEPARATION REQUIRED BY CODE. REFER TO CIVIL AND ELECTRICAL PLANS FOR LOCATION OF UTILITIES.
3. CONTRACTOR WILL MONITOR THE IRRIGATION SYSTEM DURING THE PLANT ESTABLISHMENT AND MAINTENANCE PERIOD TO ENSURE EXCESSIVE WATERING DOES NOT OCCUR. CONTRACTOR WILL ENSURE RUNOFF DOES NOT OCCUR WHEN IRRIGATION SYSTEM IS IN OPERATION.
4. FOR ROADWAY AND DRIVEWAY CROSSINGS: SEE CIVIL PLANS FOR IRRIGATION MAINLINE, LATERAL, AND CONDUIT LOCATIONS. ENSURE COPPER IRRIGATION LINES ARE INSTALLED IN IRRIGATION SLEEVES PRIOR TO SLEEVE INSTALLATION. CAP ENDS OF COPPER IRRIGATION LINES TO PREVENT DEBRIS FROM ENTERING PIPE.
5. INSTALL ALL IRRIGATION CONTROL VALVES AND WIRE CONNECTIONS IN VALVE BOXES. INSTALL IRRIGATION VALVE IDENTIFICATION TAGS WITH APPROPRIATE STATION NUMBER FOR ALL VALVES.
6. CONTRACTOR SHALL INSTALL ALL VALVES AND MAINLINE ADJACENT TO BUILDING WITHIN GRAVEL MAINTENANCE STRIP.
7. INSTALL VALVE BOXES IN GROUND COVER AREAS OR GRAVEL MAINTENANCE STRIP, TYP.
8. INSTALL IRRIGATION MAINLINE AND EQUIPMENT WITHIN PROJECT BOUNDARY AND IN PLANTING AREA.
9. PROVIDE DRIP VALVE AND COPPER LATERAL TO INTERNAL GROUND LEVEL PLANTERS. INSTALL INLINE DRIPLINES IN ALL INTERNAL GROUND LEVEL PLANTERS.
10. REFER TO L304 FOR ADDITIONAL IRRIGATION NOTES.

GRAPHIC SCALE: 1" = 20'-0"
0 5 10 20 40

PBR HAWAII
& ASSOCIATES, INC.
1001 BISHOP STREET
AMERICAN SAVINGS BANK TOWER,
SUITE 650
HONOLULU, HAWAII 96813-3484
TEL: (808) 521-5631 FAX: (808) 523-1402
WEB: WWW.PBRHAWAII.COM
EMAIL: SYSADMIN@PBRHAWAII.COM

REVISIONS

#	Date	Description
1	03/30/26	Addendum 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

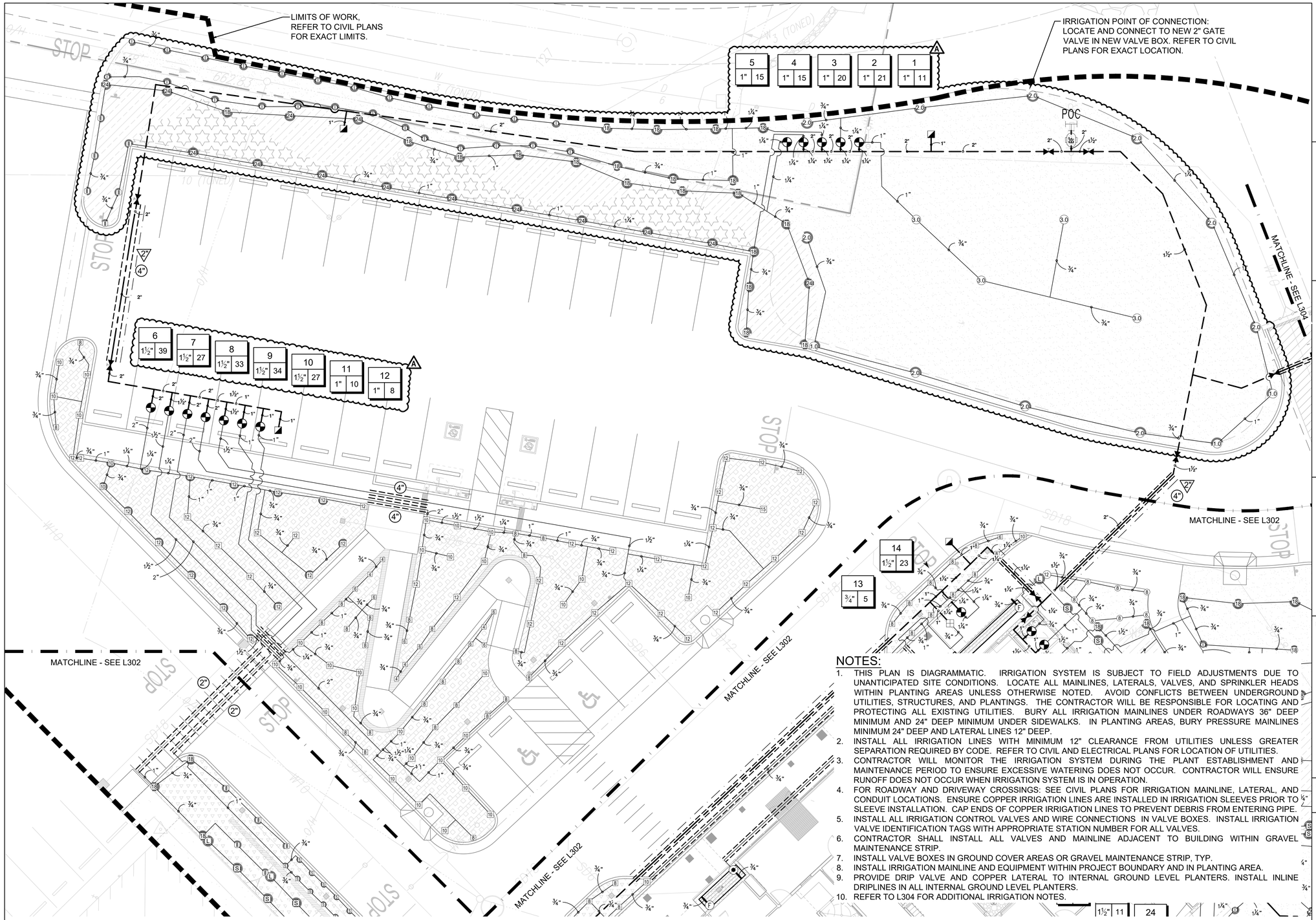
FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

SHEET NAME
OVERALL IRRIGATION PLAN

SCALE: 1" = 20'-0"

DRAWN BY	CHECKED BY
PW/AF	MS
PROJECT NO.	SHEET NO.
221093-01	L300
SHEET ISSUE DATE	
03/30/2026	

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt
3/11/2026 9:52:29 AM



NOTES:

1. THIS PLAN IS DIAGRAMMATIC. IRRIGATION SYSTEM IS SUBJECT TO FIELD ADJUSTMENTS DUE TO UNANTICIPATED SITE CONDITIONS. LOCATE ALL MAINLINES, LATERALS, VALVES, AND SPRINKLER HEADS WITHIN PLANTING AREAS UNLESS OTHERWISE NOTED. AVOID CONFLICTS BETWEEN UNDERGROUND UTILITIES, STRUCTURES, AND PLANTINGS. THE CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES. BURY ALL IRRIGATION MAINLINES UNDER ROADWAYS 36" DEEP MINIMUM AND 24" DEEP MINIMUM UNDER SIDEWALKS. IN PLANTING AREAS, BURY PRESSURE MAINLINES MINIMUM 24" DEEP AND LATERAL LINES 12" DEEP.
2. INSTALL ALL IRRIGATION LINES WITH MINIMUM 12" CLEARANCE FROM UTILITIES UNLESS GREATER SEPARATION REQUIRED BY CODE. REFER TO CIVIL AND ELECTRICAL PLANS FOR LOCATION OF UTILITIES.
3. CONTRACTOR WILL MONITOR THE IRRIGATION SYSTEM DURING THE PLANT ESTABLISHMENT AND MAINTENANCE PERIOD TO ENSURE EXCESSIVE WATERING DOES NOT OCCUR. CONTRACTOR WILL ENSURE RUNOFF DOES NOT OCCUR WHEN IRRIGATION SYSTEM IS IN OPERATION.
4. FOR ROADWAY AND DRIVEWAY CROSSINGS: SEE CIVIL PLANS FOR IRRIGATION MAINLINE, LATERAL, AND CONDUIT LOCATIONS. ENSURE COPPER IRRIGATION LINES ARE INSTALLED IN IRRIGATION SLEEVES PRIOR TO SLEEVE INSTALLATION. CAP ENDS OF COPPER IRRIGATION LINES TO PREVENT DEBRIS FROM ENTERING PIPE.
5. INSTALL ALL IRRIGATION CONTROL VALVES AND WIRE CONNECTIONS IN VALVE BOXES. INSTALL IRRIGATION VALVE IDENTIFICATION TAGS WITH APPROPRIATE STATION NUMBER FOR ALL VALVES.
6. CONTRACTOR SHALL INSTALL ALL VALVES AND MAINLINE ADJACENT TO BUILDING WITHIN GRAVEL MAINTENANCE STRIP.
7. INSTALL VALVE BOXES IN GROUND COVER AREAS OR GRAVEL MAINTENANCE STRIP, TYP.
8. INSTALL IRRIGATION MAINLINE AND EQUIPMENT WITHIN PROJECT BOUNDARY AND IN PLANTING AREA.
9. PROVIDE DRIP VALVE AND COPPER LATERAL TO INTERNAL GROUND LEVEL PLANTERS. INSTALL INLINE DRIPLINES IN ALL INTERNAL GROUND LEVEL PLANTERS.
10. REFER TO L304 FOR ADDITIONAL IRRIGATION NOTES.

GRAPHIC SCALE: 1" = 10'-0"
0 2.5 5 10 20

PBR HAWAII
& ASSOCIATES, INC.
1001 BISHOP STREET
AMERICAN SAVINGS BANK TOWER,
SUITE 650
HONOLULU, HAWAII 96813-3484
TEL: (808) 521-5631 FAX: (808) 523-1402
WEB: WWW.PBRHAWAII.COM
EMAIL: SYSADMIN@PBRHAWAII.COM

REVISIONS

#	Date	Description
1	03/30/26	Addendum 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

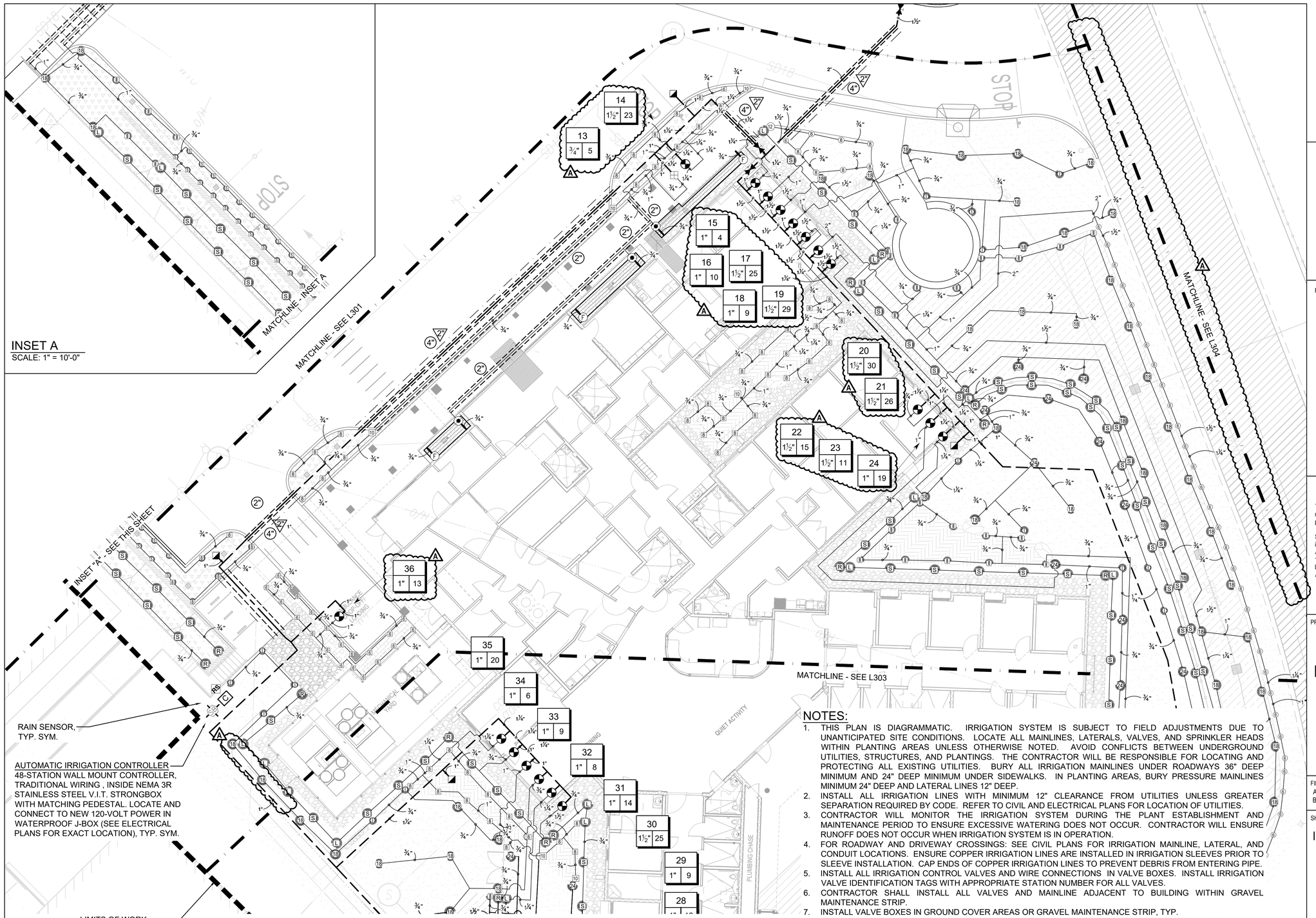
FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

SHEET NAME
IRRIGATION PLAN - 1

SCALE: 1" = 10'-0"

DRAWN BY	CHECKED BY
PW/AF	MS
PROJECT NO. 221093-01	SHEET NO. L301
SHEET ISSUE DATE 03/30/2026	

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt
3/11/2026 9:52:29 AM



NOTES:

1. THIS PLAN IS DIAGRAMMATIC. IRRIGATION SYSTEM IS SUBJECT TO FIELD ADJUSTMENTS DUE TO UNANTICIPATED SITE CONDITIONS. LOCATE ALL MAINLINES, LATERALS, VALVES, AND SPRINKLER HEADS WITHIN PLANTING AREAS UNLESS OTHERWISE NOTED. AVOID CONFLICTS BETWEEN UNDERGROUND UTILITIES, STRUCTURES, AND PLANTINGS. THE CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES. BURY ALL IRRIGATION MAINLINES UNDER ROADWAYS 36" DEEP MINIMUM AND 24" DEEP MINIMUM UNDER SIDEWALKS. IN PLANTING AREAS, BURY PRESSURE MAINLINES MINIMUM 24" DEEP AND LATERAL LINES 12" DEEP.
2. INSTALL ALL IRRIGATION LINES WITH MINIMUM 12" CLEARANCE FROM UTILITIES UNLESS GREATER SEPARATION REQUIRED BY CODE. REFER TO CIVIL AND ELECTRICAL PLANS FOR LOCATION OF UTILITIES.
3. CONTRACTOR WILL MONITOR THE IRRIGATION SYSTEM DURING THE PLANT ESTABLISHMENT AND MAINTENANCE PERIOD TO ENSURE EXCESSIVE WATERING DOES NOT OCCUR. CONTRACTOR WILL ENSURE RUNOFF DOES NOT OCCUR WHEN IRRIGATION SYSTEM IS IN OPERATION.
4. FOR ROADWAY AND DRIVEWAY CROSSINGS: SEE CIVIL PLANS FOR IRRIGATION MAINLINE, LATERAL, AND CONDUIT LOCATIONS. ENSURE COPPER IRRIGATION LINES ARE INSTALLED IN IRRIGATION SLEEVES PRIOR TO SLEEVE INSTALLATION. CAP ENDS OF COPPER IRRIGATION LINES TO PREVENT DEBRIS FROM ENTERING PIPE.
5. INSTALL ALL IRRIGATION CONTROL VALVES AND WIRE CONNECTIONS IN VALVE BOXES. INSTALL IRRIGATION VALVE IDENTIFICATION TAGS WITH APPROPRIATE STATION NUMBER FOR ALL VALVES.
6. CONTRACTOR SHALL INSTALL ALL VALVES AND MAINLINE ADJACENT TO BUILDING WITHIN GRAVEL MAINTENANCE STRIP.
7. INSTALL VALVE BOXES IN GROUND COVER AREAS OR GRAVEL MAINTENANCE STRIP, TYP.
8. INSTALL IRRIGATION MAINLINE AND EQUIPMENT WITHIN PROJECT BOUNDARY AND IN PLANTING AREA.
9. PROVIDE DRIP VALVE AND COPPER LATERAL TO INTERNAL GROUND LEVEL PLANTERS. INSTALL INLINE DRIPLINES IN ALL INTERNAL GROUND LEVEL PLANTERS.
10. REFER TO L304 FOR ADDITIONAL IRRIGATION NOTES.

GRAPHIC SCALE: 1" = 10'-0"
0 2.5 5 10 20

PBR HAWAII
& ASSOCIATES, INC.
1001 BISHOP STREET
AMERICAN SAVINGS BANK TOWER,
SUITE 650
HONOLULU, HAWAI'I 96813-3484
TEL: (808) 521-5631 FAX: (808) 523-1402
WEB: WWW.PBRHAWAII.COM
EMAIL: SYSADMIN@PBRHAWAII.COM

REVISIONS

#	Date	Description
1	03/30/26	Addendum 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

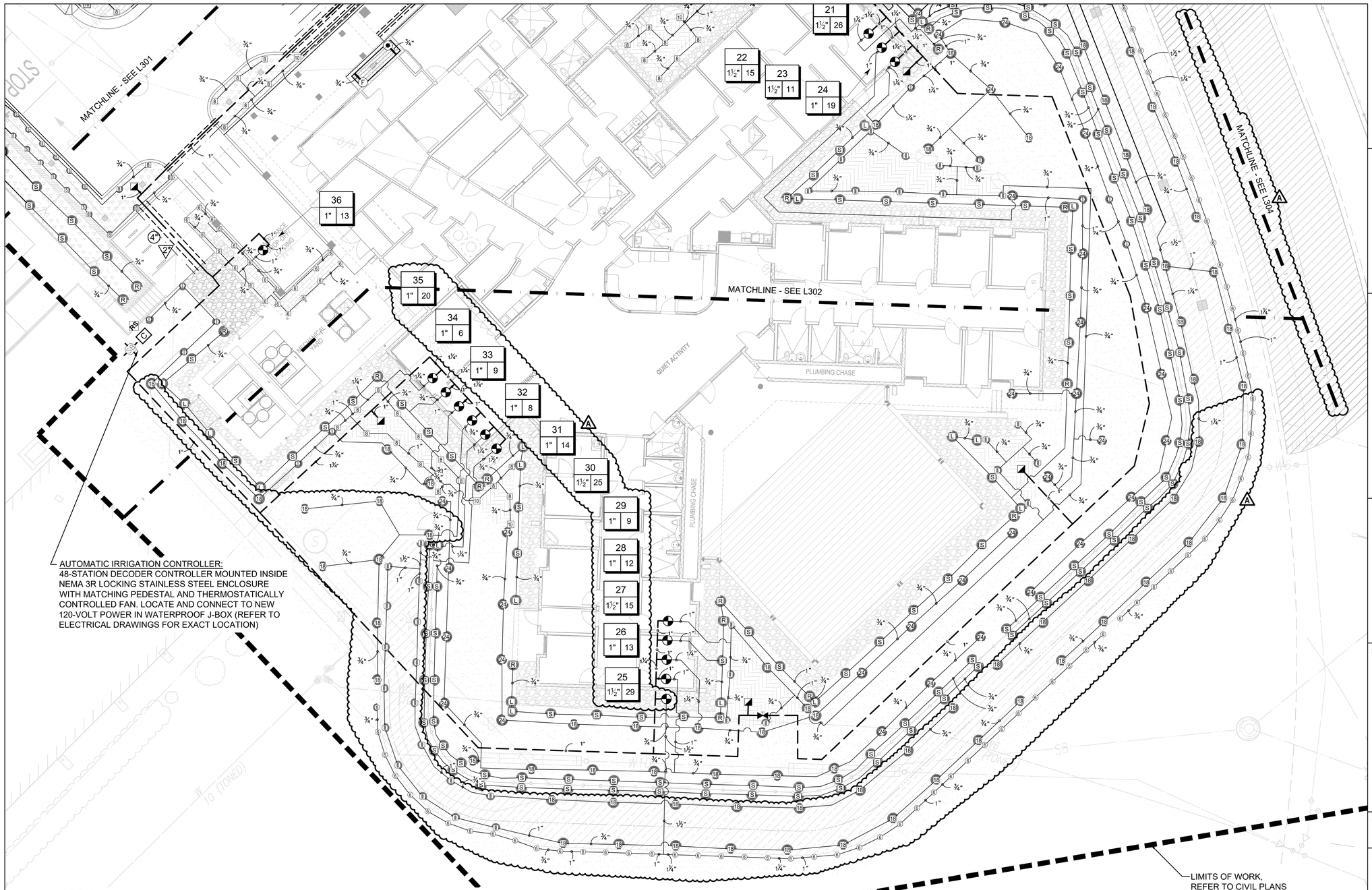
FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

SHEET NAME
IRRIGATION PLAN - 2

SCALE: 1" = 10'-0"

DRAWN BY	CHECKED BY
PW/AF	MS
PROJECT NO. 221093-01	SHEET NO. L302
SHEET ISSUE DATE 03/30/2026	

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt
3/11/2026 9:52:29 AM



AUTOMATIC IRRIGATION CONTROLLER:
48-STATION DECODER CONTROLLER MOUNTED INSIDE NEMA 3R LOCKING STAINLESS STEEL ENCLOSURE WITH MATCHING PEDESTAL AND THERMOSTATICALLY CONTROLLED FAN. LOCATE AND CONNECT TO NEW 120-VOLT POWER IN WATERPROOF J-BOX (REFER TO ELECTRICAL DRAWINGS FOR EXACT LOCATION)

NOTES:

1. THIS PLAN IS DIAGRAMMATIC. IRRIGATION SYSTEM IS SUBJECT TO FIELD ADJUSTMENTS DUE TO UNANTICIPATED SITE CONDITIONS. LOCATE ALL MAINLINES, LATERALS, VALVES, AND SPRINKLER HEADS WITHIN PLANTING AREAS UNLESS OTHERWISE NOTED. AVOID CONFLICTS BETWEEN UNDERGROUND UTILITIES, STRUCTURES, AND PLANTINGS. THE CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES. BURY ALL IRRIGATION MAINLINES UNDER ROADWAYS 36" DEEP MINIMUM AND 24" DEEP MINIMUM UNDER SIDEWALKS. IN PLANTING AREAS, BURY PRESSURE MAINLINES MINIMUM 24" DEEP AND LATERAL LINES 12" DEEP.
2. INSTALL ALL IRRIGATION LINES WITH MINIMUM 12" CLEARANCE FROM UTILITIES UNLESS GREATER SEPARATION REQUIRED BY CODE. REFER TO CIVIL AND ELECTRICAL PLANS FOR LOCATION OF UTILITIES.
3. CONTRACTOR WILL MONITOR THE IRRIGATION SYSTEM DURING THE PLANT ESTABLISHMENT AND MAINTENANCE PERIOD TO ENSURE EXCESSIVE WATERING DOES NOT OCCUR. CONTRACTOR WILL ENSURE RUNOFF DOES NOT OCCUR WHEN IRRIGATION SYSTEM IS IN OPERATION.
4. FOR ROADWAY AND DRIVEWAY CROSSINGS: SEE CIVIL PLANS FOR IRRIGATION MAINLINE, LATERAL, AND CONDUIT LOCATIONS. ENSURE COPPER IRRIGATION LINES ARE INSTALLED IN IRRIGATION SLEEVES PRIOR TO SLEEVE INSTALLATION. CAP ENDS OF COPPER IRRIGATION LINES TO PREVENT DEBRIS FROM ENTERING PIPE.
5. INSTALL ALL IRRIGATION CONTROL VALVES AND WIRE CONNECTIONS IN VALVE BOXES. INSTALL IRRIGATION VALVE IDENTIFICATION TAGS WITH APPROPRIATE STATION NUMBER FOR ALL VALVES.
6. CONTRACTOR SHALL INSTALL ALL VALVES AND MAINLINE ADJACENT TO BUILDING WITHIN GRAVEL MAINTENANCE STRIP.
7. INSTALL VALVE BOXES IN GROUND COVER AREAS OR GRAVEL MAINTENANCE STRIP, TYP.
8. INSTALL IRRIGATION MAINLINE AND EQUIPMENT WITHIN PROJECT BOUNDARY AND IN PLANTING AREA.
9. PROVIDE DRIP VALVE AND COPPER LATERAL TO INTERNAL GROUND LEVEL PLANTERS. INSTALL INLINE DRIPLINES IN ALL INTERNAL GROUND LEVEL PLANTERS.
10. REFER TO L304 FOR ADDITIONAL IRRIGATION NOTES.

GRAPHIC SCALE: 1" = 10'-0"
0 2.5 5 10 20

PBR HAWAII
& ASSOCIATES, INC.
1001 BISHOP STREET
AMERICAN SAVINGS BANK TOWER,
SUITE 650
HONOLULU, HAWAII 96813-3484
TEL: (808) 521-5631 FAX: (808) 523-1402
WEB: WWW.PBRHAWAII.COM
EMAIL: SYSADMIN@PBRHAWAII.COM

REVISIONS

#	Date	Description
1	03/30/26	Addendum 1

ADDENDUM 1 / PERMIT SET
03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

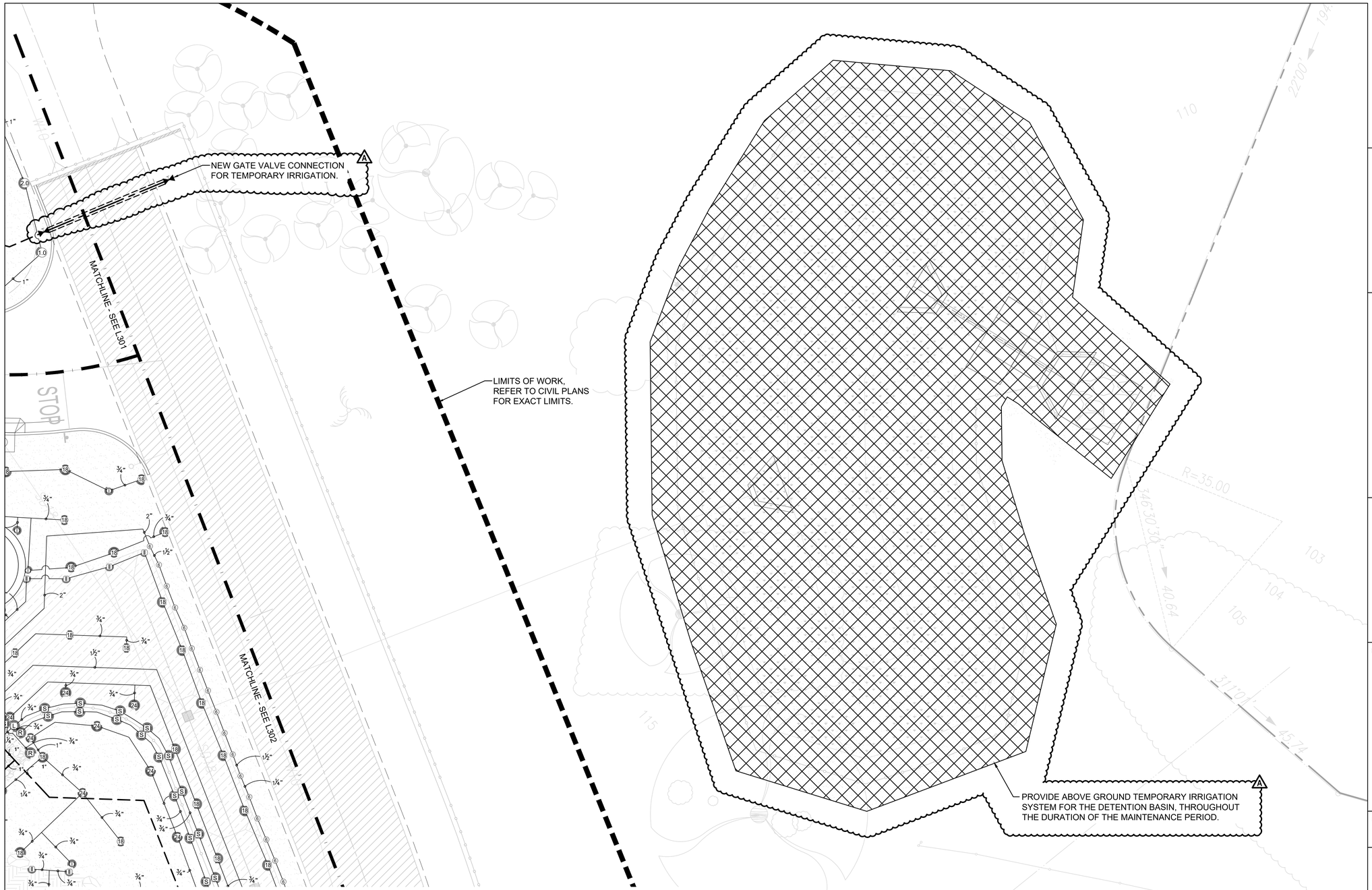
FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

SHEET NAME
IRRIGATION PLAN - 3

SCALE: 1" = 10'-0"

DRAWN BY	CHECKED BY
PW/AF	MS
PROJECT NO. 221093-01	SHEET NO. L303
SHEET ISSUE DATE 03/30/2026	

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt
3/11/2026 9:52:29 AM



NOTES:

1. THIS PLAN IS DIAGRAMMATIC. IRRIGATION SYSTEM IS SUBJECT TO FIELD ADJUSTMENTS DUE TO UNANTICIPATED SITE CONDITIONS. LOCATE ALL MAINLINES, LATERALS, VALVES, AND SPRINKLER HEADS WITHIN PLANTING AREAS UNLESS OTHERWISE NOTED. AVOID CONFLICTS BETWEEN UNDERGROUND UTILITIES, STRUCTURES, AND PLANTINGS. THE CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES. BURY ALL IRRIGATION MAINLINES UNDER ROADWAYS 36" DEEP MINIMUM AND 24" DEEP MINIMUM UNDER SIDEWALKS. IN PLANTING AREAS, BURY PRESSURE MAINLINES MINIMUM 24" DEEP AND LATERAL LINES 12" DEEP.
2. INSTALL ALL IRRIGATION LINES WITH MINIMUM 12" CLEARANCE FROM UTILITIES UNLESS GREATER SEPARATION REQUIRED BY CODE. REFER TO CIVIL AND ELECTRICAL PLANS FOR LOCATION OF UTILITIES.
3. CONTRACTOR WILL MONITOR THE IRRIGATION SYSTEM DURING THE PLANT ESTABLISHMENT AND MAINTENANCE PERIOD TO ENSURE EXCESSIVE WATERING DOES NOT OCCUR. CONTRACTOR WILL ENSURE RUNOFF DOES NOT OCCUR WHEN IRRIGATION SYSTEM IS IN OPERATION.
4. FOR ROADWAY AND DRIVEWAY CROSSINGS: SEE CIVIL PLANS FOR IRRIGATION MAINLINE, LATERAL, AND CONDUIT LOCATIONS. ENSURE COPPER IRRIGATION LINES ARE INSTALLED IN IRRIGATION SLEEVES PRIOR TO SLEEVE INSTALLATION. CAP ENDS OF COPPER IRRIGATION LINES TO PREVENT DEBRIS FROM ENTERING PIPE.
5. INSTALL ALL IRRIGATION CONTROL VALVES AND WIRE CONNECTIONS IN VALVE BOXES. INSTALL IRRIGATION VALVE IDENTIFICATION TAGS WITH APPROPRIATE STATION NUMBER FOR ALL VALVES.
6. CONTRACTOR SHALL INSTALL ALL VALVES AND MAINLINE ADJACENT TO BUILDING WITHIN GRAVEL MAINTENANCE STRIP.
7. INSTALL VALVE BOXES IN GROUND COVER AREAS OR GRAVEL MAINTENANCE STRIP, TYP.
8. INSTALL IRRIGATION MAINLINE AND EQUIPMENT WITHIN PROJECT BOUNDARY AND IN PLANTING AREA.
9. PROVIDE DRIP VALVE AND COPPER LATERAL TO INTERNAL GROUND LEVEL PLANTERS. INSTALL INLINE DRIPLINES IN ALL INTERNAL GROUND LEVEL PLANTERS.
10. REFER TO L304 FOR ADDITIONAL IRRIGATION NOTES.

NEW SHEET
A

GRAPHIC SCALE: 1" = 10'-0"
0 2.5 5 10 20

PBR HAWAII
& ASSOCIATES, INC.
1001 BISHOP STREET
AMERICAN SAVINGS BANK TOWER,
SUITE 650
HONOLULU, HAWAI'I 96813-3484
TEL: (808) 521-5631 FAX: (808) 523-1402
WEB: WWW.PBRHAWAII.COM
EMAIL: SYSADMIN@PBRHAWAII.COM

REVISIONS

#	Date	Description
A	03/30/26	Addendum 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

SHEET NAME
IRRIGATION PLAN - 4

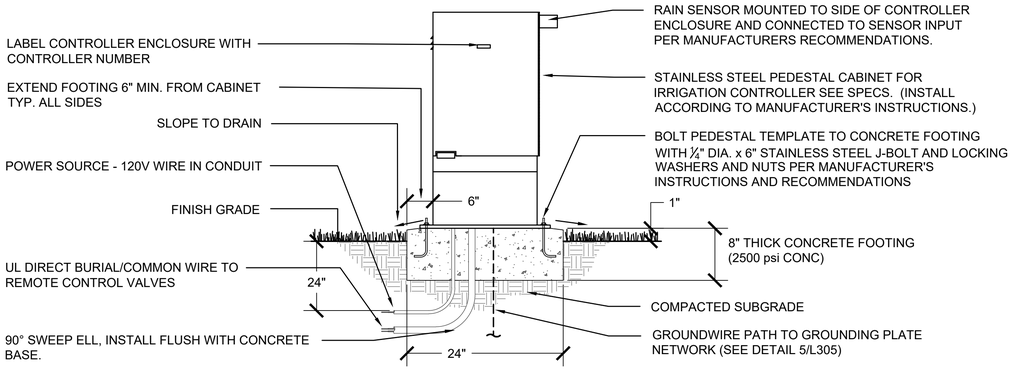
SCALE: 1" = 10'-0"

DRAWN BY	CHECKED BY
PW/AF	MS
PROJECT NO.	SHEET NO.
221093-01	L304
SHEET ISSUE DATE	
03/30/2026	

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

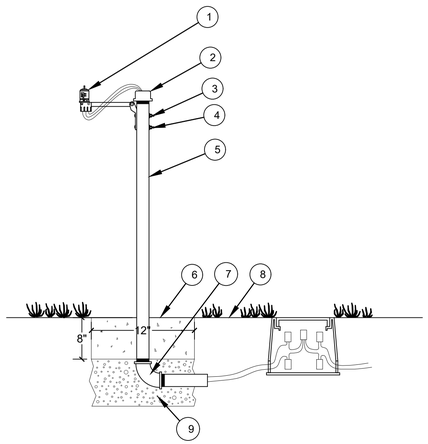
3/11/2026 9:52:29 AM

NOTE:
ALL WIRING TO BE INSTALLED AS POWER LOCAL CODE. SEE MANUAL FOR MOUNTING INSTRUCTIONS. SEAL CONDUITS W/EXPANDING SEALANT TO PROTECT AGAINST INSECTS AND MOISTURE. CONTROLLER ENCLOSURE SHALL BE LOCATED IN AN AREA WELL PROTECTED FROM VEHICLES. IF THE CONTROLLER IS LOCATED IN AN UNPROTECTED AREA, THEN ONE 6" PIPE BOLLARD FILLED WITH CONCRETE SHALL BE INSTALLED ON EACH OF THE FOUR CORNERS.



1 PEDESTAL MOUNT IRRIGATION CONTROLLER

NOT TO SCALE P-KA-4015.01-21



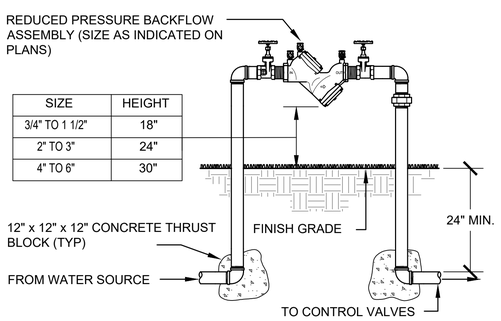
1. RAIN SENSOR
2. GALVANIZED PIPE CAP: 1" CAP OR 1.5" CAP (MATCHING PIPE DIAMETER) WITH HOLE FOR WIRES
3. DRILL TWO 3/16 HOLES IN PIPE FOR SENSOR BRACKET
4. (2) #8-32 STAINLESS STEEL MACHINE SCREWS WITH WASHER, LOCK WASHER AND NUT
5. 1" OR 1.5" GALVANIZED PIPE 6 TO 10 FEET HIGH
6. 12" X 12" CONCRETE BASE 8" DEEP MINIMUM
7. 1" or 1.5" PIPE ELBOW
8. FINISH GRADE. 6" ROUND VALVE BOX.
9. 1" OR 1.5" NIPPLE. GRAVEL.

PAINT ALL GALVANIZED PIPE WITH THREE (3) COATS OF BLACK MARINE-GRADE EPOXY PAINT

2 RAIN SENSOR ON POST DETAL

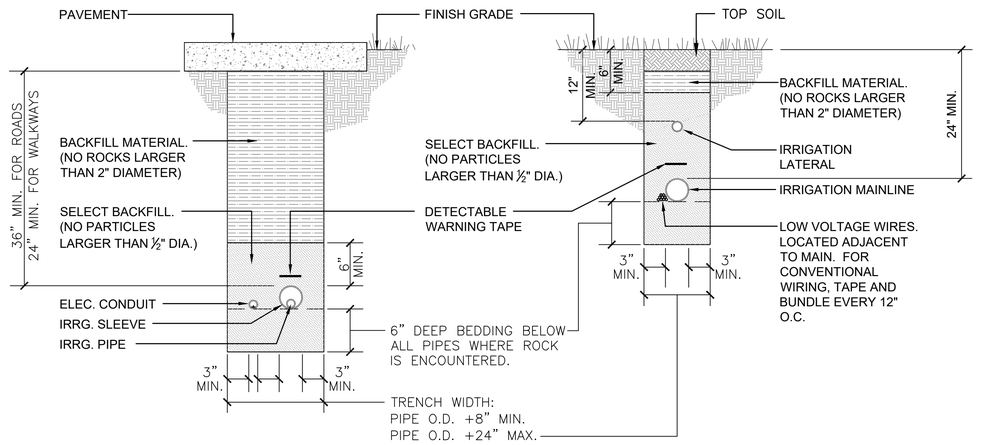
NOT TO SCALE P-KA-4015.01-42

NOTE:
1. ALL PIPE AND FITTINGS LESS THAN 4" IN SIZE SHALL BE COPPER. ALL PIPE AND FITTINGS 4" OR GREATER IN SIZE SHALL BE FLANGED DUCTILE IRON.
2. MIN. HEIGHT MUST BE 12" ABOVE HIEGHEST POINT OF DISTRIBUTION, OR THAT SHOWN IN CHART, WHICHEVER IS GREATEST.



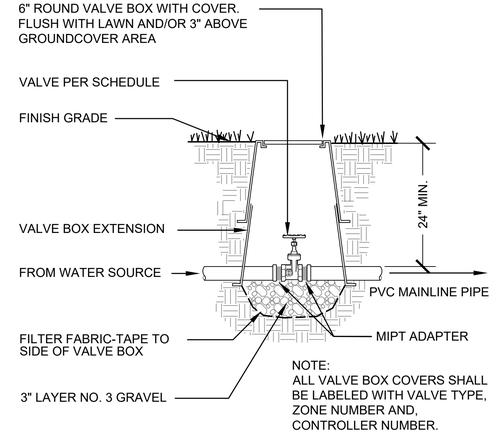
3 REDUCE PRESSURE BACKFLOW PREVENTER

NOT TO SCALE P-KA-4015.01-31



4 IRRIGATION TRENCHING DETAIL

NOT TO SCALE

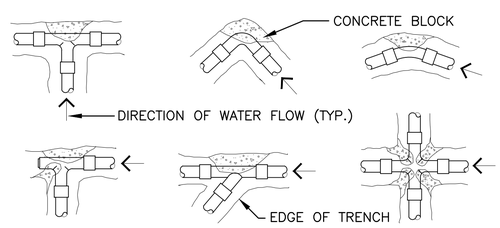


5 GATE VALVE

NOT TO SCALE P-KA-4015.01-32

THRUST BLOCK BEARING AREA (SQ. FT.)				
PIPE SIZE	1 1/4" – 2 1/2"	3"	4"	6"
TEES/ELLS	1.00	1.00	1.25	3.2
90 BENDS	1.00	1.25	2.00	4.5
45 BENDS	1.00	1.00	1.00	2.4

NOTES:
1. INSTALL THRUST BLOCK AT ALL MACHINE BENDS, TEES OR ELLS AS SHOWN BELOW. THRUST BLOCKS SHALL BE MINIMUM OF (1) CU. FT. REDI-MIX CONCRETE OR 2500 PSI 28 DAY CONCRETE.
2. SET ALL THRUST BLOCKS AGAINST UNDISTURBED SOIL.



6 THRUST BLOCK

NOT TO SCALE P-KA-4015.01-27

PBR HAWAII
& ASSOCIATES, INC.
1001 BISHOP STREET
AMERICAN SAVINGS BANK TOWER,
SUITE 650
HONOLULU, HAWAII 96813-3484
TEL: (808) 521-5631 FAX: (808) 523-1402
WEB: WWW.PBRHAWAII.COM
EMAIL: SYSADMIN@PBRHAWAII.COM

REVISIONS

#	Date	Description
1	03/30/26	Addendum 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

SHEET NAME
IRRIGATION DETAILS - 1

SCALE:

DRAWN BY	CHECKED BY
PW/AF	MS

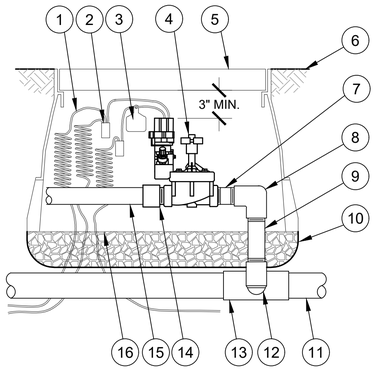
PROJECT NO. 221093-01

SHEET ISSUE DATE 03/30/2026

SHEET NO. L305 (A)

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

3/11/2026 9:52:29 AM

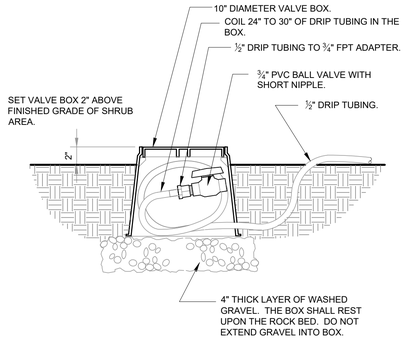


1. 30-INCH LINEAR LENGTH OF WIRE, COILED.
2. WATERPROOF CONNECTION
3. ID TAG
4. REMOTE CONTROL VALVE
5. VALVE BOX
6. FINISH GRADE/TOP OF MULCH
7. PVC SCH 80 NIPPLE (CLOSE)
8. PVC SCH 40 ELL
9. PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
10. FILTER FABRIC, FASTEN TO VALVE BOX
11. PVC MAINLINE PIPE
12. SCH 80 NIPPLE (2-INCH LENGTH, HIDDEN) AND SCH 40 ELL
13. PVC SCH 40 TEE OR ELL
14. PVC SCH 40 MALE ADAPTER
15. PVC LATERAL PIPE
16. 3.0-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL

1 REMOTE CONTROL VALVE DETAIL

NOT TO SCALE

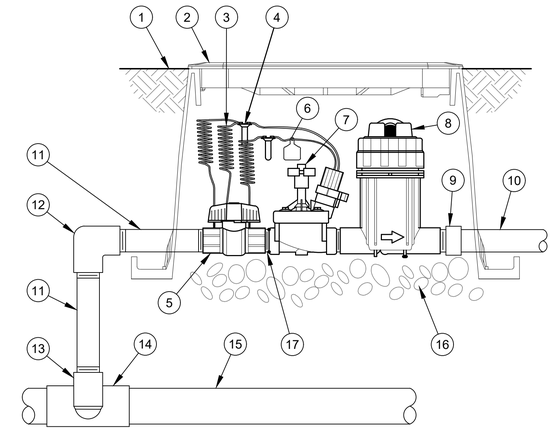
P-KA-4015.01-24



4 DRIP FLUSH VALVE

NOT TO SCALE

P-KA-4015.01-44

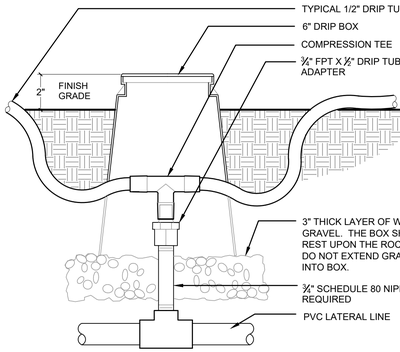


1. FINISH GRADE/TOP OF MULCH
2. VALVE BOX WITH COVER
3. 30-INCH LINEAR LENGTH OF WIRE, COILED
4. WATERPROOF CONNECTION
5. 1-INCH BALL VALVE
6. ID TAG
7. REMOTE CONTROL VALVE
8. PRESSURE REGULATING QUICK CHECK BASKET FILTER:
9. PVC SCH 40 FEMALE ADAPTOR
10. LATERAL PIPE
11. PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
12. PVC SCH 40 ELL
13. PVC SCH 80 NIPPLE (2-INCH LENGTH, HIDDEN) AND PVC SCH 40 ELL
14. PVC SCH 40 TEE OR ELL
15. MAINLINE PIPE
16. 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
17. PVC SCH 80 NIPPLE, CLOSE

2 1" DRIP CONTROL VALVE WITH BASKET FILTER DETAIL

NOT TO SCALE

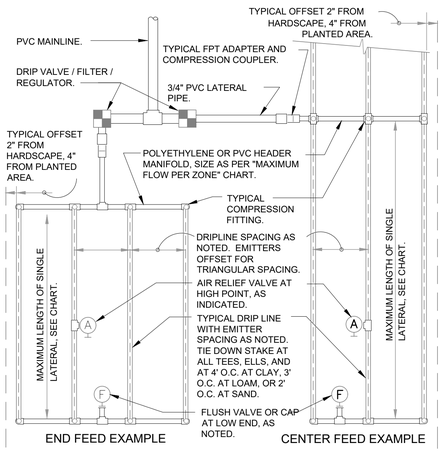
P-KA-4015.01-35



5 ZONE CONTROL

NOT TO SCALE

P-KA-4015.01-59



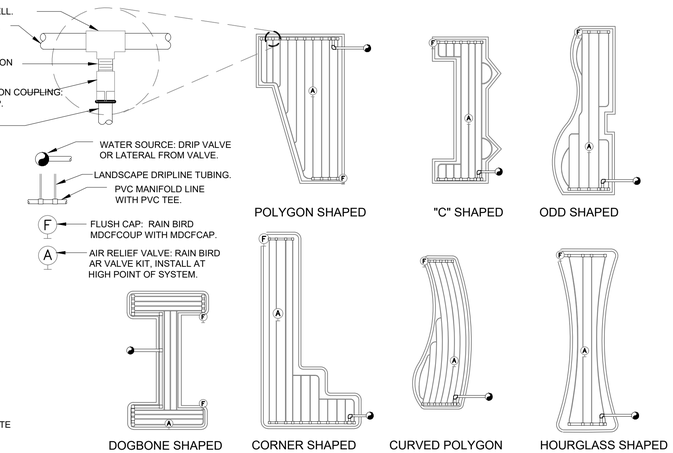
MAXIMUM LATERAL LENGTH (FEET)						
	EMITTER FLOW RATE GPH					
	12" SPACING		18" SPACING		24" SPACING	
PSI	0.6	0.9	0.6	0.9	0.6	0.9
10	125	96	175	135	218	171
20	249	191	350	171	442	340
30	307	236	434	333	550	422
40	350	268	495	380	627	171
50	125	96	175	135	218	171
60	125	96	175	135	218	171

GRID PRECIPITATION RATES (IN/HR)			
		EMITTER FLOW RATE	
EMITTER SPACING	LATERAL SPACING	0.6	0.9
12	12	0.96	1.44
18	18	0.69	1.03
24	24	0.28	0.41

LATERAL FLOW PER 100 FT (GPM)			
EMITTER FLOW	12" SPACING	18" SPACING	24" SPACING
0.6 GPH	1.0 GPM	0.67 GPM	0.50 GPM
0.9 GPH	1.5 GPM	1.0 GPM	0.75 GPM

MAXIMUM FLOW PER ZONE		
	MAX GPM	PSI LOSS
SCHEDULE 40 PVC HEADER SIZE		
1/2"	4.7 GPM	7.7 PSI
3/4"	8.3 GPM	5.6 PSI
1"	13.5 GPM	4.2 PSI
1-1/2"	33.9 GPM	2.9 PSI
2"	52.4 GPM	1.9 PSI
POLY PIPE HEADER SIZE		
1/2"	4.7 GPM	8.8 PSI
3/4"	8.3 GPM	6.3 PSI
1"	13.5 GPM	4.8 PSI
1-1/2"	31.8 GPM	2.9 PSI
2"	52.4 GPM	2.2 PSI

SLOPED CONDITION NOTE:
1. DRIPLINE LATERALS SHOULD FOLLOW THE CONTOURS OF THE SLOPE WHEREVER POSSIBLE.
2. INSTALL AIR RELIEF VALVE AT HIGHEST POINT.
3. NORMAL SPACING WITHIN THE TOP ⅓ OF SLOPE.
4. INSTALL DRIPLINE AT 25% GREATER SPACING AT THE BOTTOM ⅓ OF THE SLOPE.
5. WHEN ELEVATION CHANGE IS 10 FT OR MORE, ZONE THE BOTTOM ⅓ ON A SEPARATE VALVE.



3 TYPICAL RAIN BIRD DRIPLINE REQUIREMENTS

NOT TO SCALE

P-KA-4015.01-72

PBR HAWAII
& ASSOCIATES, INC.
1001 BISHOP STREET
AMERICAN SAVINGS BANK TOWER,
SUITE 650
HONOLULU, HAWAII 96813-3484
TEL: (808) 521-5631 FAX: (808) 523-1402
WEB: WWW.PBRHAWAII.COM
EMAIL: SYSADMIN@PBRHAWAII.COM

REVISIONS

#	Date	Description
1	03/30/26	Addendum 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

SHEET NAME
IRRIGATION DETAILS - 2

SCALE:

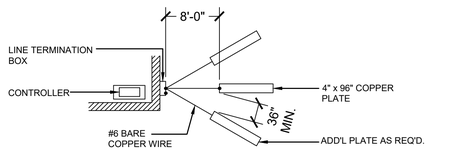
DRAWN BY	CHECKED BY
PW/AF	MS

PROJECT NO.
221093-01

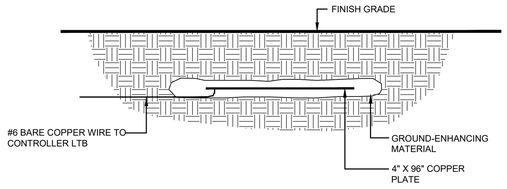
SHEET ISSUE DATE
03/30/2026

SHEET NO.
L306

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt
3/11/2026 9:52:29 AM



PLAN VIEW



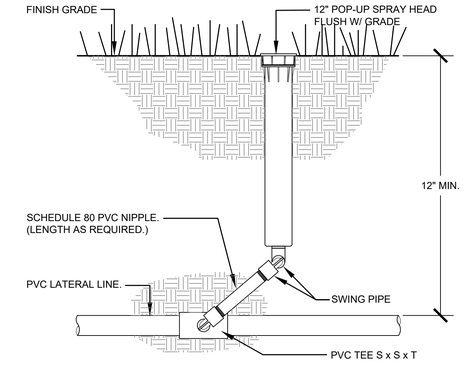
SECTION VIEW

NOTES:

1. INSTALL A GROUNDING NETWORK AT THE LOCATION OF THE CONTROLLER'S LINE TERMINATION BOX (LTB).
2. TEST THE NETWORK FOR EARTH-TO-GROUND RESISTANCE AFTER THE BACKFILL MATERIALS HAS HAD SUFFICIENT TIME TO SETTLE.
3. RESISTANCE READINGS OF 15 OHMS OR GREATER INDICATE INSUFFICIENT GROUNDING.
4. INSTALL ADDITIONAL GROUND RODS, PLATES AND GROUND-ENHANCING MATERIALS AS REQUIRED TO ACHIEVE RESISTANCE READINGS FO 15 OHMS OR LESS.
5. GROUND RODS AND PLATES SHALL BE INSTALLED AT THE RECOMMENDED DISTANCES AS SHOWN IN THE DETAIL DRAWING.
6. FOR ADDITIONAL INFORMATION ON PROPER GROUNDING EQUIPMENT AND TECHNIQUES, REFER TO THE GUIDELINES PUBLISHED BY THE AMERICAN SOCIETY OF IRRIGATION CONSULTANTS (ASIC): "ASIC GUIDELINE 100-2002 (JANUARY 2002) FOR EARTH GROUNDING ELECTRONIC EQUIPMENT IN IRRIGATION SYSTEMS".

1 CONTROLLER GROUNDING - GROUND PLATE NETWORK

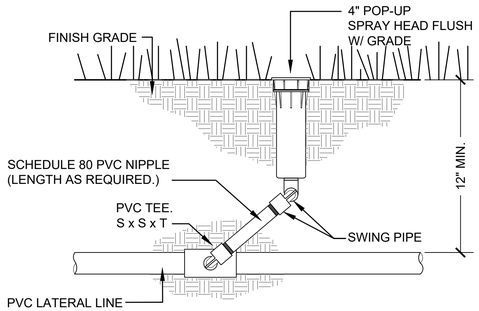
NOT TO SCALE P-KA-4015.01-25



NOTES:
INSTALL PART CIRCLE POP-UP HEADS 6" FROM EDGE OF PAVED AREAS.

6 12" POP-UP SPRINKLER HEAD

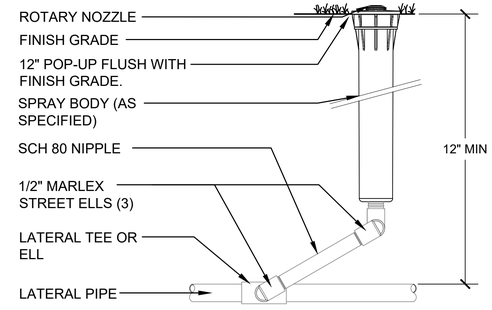
NOT TO SCALE P-KA-4015.01-38



NOTES:
INSTALL PART CIRCLE POP-UP HEADS 6" FROM EDGE OF PAVED AREAS.

2 4" POP-UP SPRINKLER HEAD

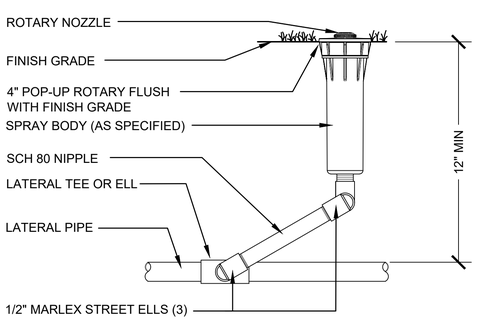
NOT TO SCALE P-KA-4015.01-36



NOTES:
INSTALL PART CIRCLE POP-UP HEADS 6" FROM EDGE OF PAVED AREAS.

4 12" ROTARY POP UP

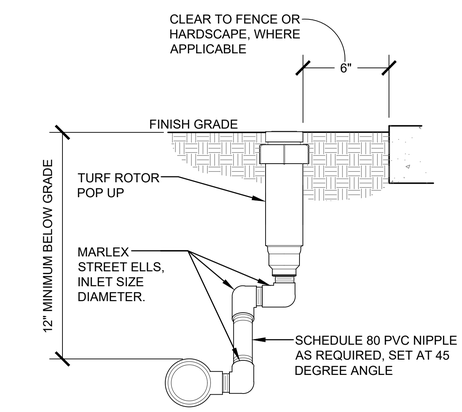
NOT TO SCALE P-KA-4015.01-37



NOTES:
INSTALL PART CIRCLE POP-UP HEADS 6" FROM EDGE OF PAVED AREAS.

3 4" ROTARY POP-UP DETAIL

NOT TO SCALE P-KA-4015.01-29

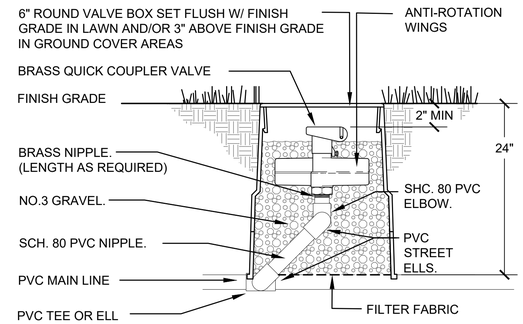


5 4" TURF ROTOR WITH MARLEX ASSEMBLY

NOT TO SCALE P-KA-4015.01-41

7 TYPICAL ENTRY PLANTER SECTION

NOT TO SCALE DETAIL-FILE



NOTE:
1. ALL VALVE BOX COVER SHALL BE LABELED WITH VALVE TYPE, ZONE NUMBER AND, CONTROLLER NUMBER.
2. CONTRACTOR SHALL PROVIDE ONE (1) QUICK COUPLER KEY, ONE (1) HOSE ELL & ONE (1) COVER KEY FOR EACH QUICK COUPLER VALVE.

8 QUICK COUPLING VALVE

NOT TO SCALE P-KA-4015.01-43

PBR HAWAII
& ASSOCIATES, INC.
1001 BISHOP STREET
AMERICAN SAVINGS BANK TOWER,
SUITE 650
HONOLULU, HAWAI'I 96813-3484
TEL: (808) 521-5631 FAX: (808) 523-1402
WEB: WWW.PBRHAWAII.COM
EMAIL: SYSADMIN@PBRHAWAII.COM

REVISIONS

#	Date	Description
1	03/30/26	Addendum 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

SHEET NAME
IRRIGATION DETAILS - 3

SCALE:

DRAWN BY	CHECKED BY
PW/AF	MS
PROJECT NO. 221093-01	SHEET NO. L307 (1)
SHEET ISSUE DATE 03/30/2026	

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

3/11/2026 9:52:29 AM

IRRIGATION SYSTEM GENERAL NOTES

1. THIS PLAN IS DIAGRAMMATIC. IRRIGATION SYSTEM IS SUBJECT TO FIELD ADJUSTMENTS DUE TO UNANTICIPATED SITE CONDITIONS. LOCATE ALL MAINLINES, LATERALS, VALVES AND SPRINKLER HEADS WITHIN PLANTING AREAS, UNLESS OTHERWISE NOTED. PLACE MAINLINE IN PLANTING AREAS WHERE NO SLEEVES OR COPPER LINES ARE SHOWN. AVOID ANY CONFLICT BETWEEN UNDERGROUND UTILITIES, STRUCTURES AND PLANTINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES. BURY PRESSURE MAINLINES 24" DEEP MINIMUM AND LATERAL LINES 12" DEEP MINIMUM IN PLANTING AREAS.

2. CONTRACTOR SHALL INSTALL ALL IRRIGATION EQUIPMENT (IE. IRRIGATION LINES, CONTROL WIRES, VALVES, HEADS, ETC.) PER SPECIFICATIONS. EXISTING GATE VALVES, POINT OF CONNECTION, ETC. ARE DERIVED FROM THE BEST AVAILABLE INFORMATION AND ON-SITE INSPECTION. THE CONTRACTOR SHALL VERIFY THOSE POINTS OF CONNECTION NOTED AND REPORT ANY DISCREPANCIES TO THE ARCHITECT.

3. THE IRRIGATION SYSTEM WAS DESIGNED TO PERFORM WITH A STATIC PRESSURE OF 85 PSI AND WATER FLOW OF 55 GPM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THESE REQUIREMENTS THROUGH ONSITE TESTING AND SHALL REPORT THE FINDINGS TO THE ARCHITECT AT LEAST THIRTY (30) DAYS PRIOR TO START OF CONSTRUCTION.

4. CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS AND OBSERVE ALL LOCAL CODES AND REGULATIONS. THE CONTRACTOR SHALL CONFIRM ALL SITE DIMENSIONS AND CONDITIONS, AND REPORT ANY DISCREPANCIES TO THE ARCHITECT.

3. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL SLEEVES, CONDUITS, MAINLINES AND LATERALS UNDER PAVEMENT AND THROUGH WALLS. CONTRACTOR SHALL ENSURE THAT THESE ITEMS ARE LAID PRIOR TO PLACEMENT OF PAVEMENT OR WALL STRUCTURES.

4. LOCATE AND INSTALL ALL SPRINKLER HEADS 6" FROM SIDEWALKS,BUILDINGS, AND WALL UNLESS OTHERWISE NOTED. FLEX TUBING SHALL BE INSTALLED ON ALL SPRINKLER HEAD ALONG SIDEWALKS. ADJUST ALL SPRINKLER HEADS AND FLOW CONTROL FOR MAXIMUM COVERAGE AND MINIMUM OVERTHROW AND MISTING. OPERATE ONLY ONE VALVE AT A TIME PER CONTROLLER, UNLESS OTHERWISE NOTED.

5. CONTRACTOR SHALL ADJUST ALL HEADS AS REQUIRED TO ACCOMMODATE ANY VERTICAL OBSTRUCTIONS THAT MAY OCCUR, INCLUDING BUT NOT LIMITED TO LIGHT POLES, SIGNAGE, ETC. VERIFY ALL HEAD LAYOUT WITH THE ARCHITECT PRIOR TO COMMENCING WORK.

6. PERFORM COVERAGE TEST. BEFORE PLANTING PERIOD, RUN AUTOMATIC CONTROLLER THROUGH ALL IT'S CYCLES. CHECK WATERING FOR HEAD TO HEAD COVERAGE AND UNIFORMITY IN THE PRESENCE OF THE ARCHITECT. RUN SYSTEM UNTIL THERE ARE PUDDLES OR THERE IS SHEET FLOW TO DETERMINE INITIAL IRRIGATION TIME AND NUMBER OF CYCLES PER WEEK NEEDED TO MEET WATER REQUIREMENTS OF PLANTS.

7. LOCATE VALVE BOXES SO THEY ARE OBSCURED BY VEGETATION AND IN LOCATIONS WHICH ARE NOT OBSERVABLE FROM BUILDING WINDOWS/OPENINGS AND AWAY FROM PEDESTRIAN WALKWAYS. GROUP VALVE BOXES AS FEASIBLE.

8. IF PLANS DO NOT SPECIFY DEPTH OF EXCAVATION, PROVIDE MINIMUM COVER TO FINISH GRADE AS FOLLOWS:

   a. 24" FOR IRRIGATION MAINLINE.
   b. 12 INCHES FOR IRRIGATION LATERAL
   c. 24 INCHES FOR SLEEVE OR CONDUIT UNDER LANDSCAPE PAVEMENT.
   d. FOR CONTROLLER WIRES AND CONDUITS IN UNPAVED AREAS, DEPTH EQUAL TO THAT OF PRESSURE IRRIGATION PIPE.

12. ENSURE TRENCHING AND INSTALLATION OPERATIONS DO NOT DAMAGE OR COMPROMISE WATERPROOFING SYSTEM.

13. AFTER INSTALLATION OF IRRIGATION, LANDSCAPE CONTRACTOR SHALL PROVIDE MARK-UP INFORMATION OF ANY CHANGES MADE IN THE FIELD TO THE FINAL DESIGN PLANS. PROVIDE THREE (3) REPRODUCIBLE COPIES DOCUMENTING THESE 'AS-BUILT' CONDITIONS TO THE ARCHITECT UPON COMPLETION OF IRRIGATION INSTALLATION WORK OR THIRTY (30) DAYS BEFORE FINAL INSPECTION, WHICHEVER IS SOONER.

14. CONTRACTOR SHALL MAKE ALL WIRE SPLICES INSIDE OF VALVE BOXES.

15. INCIDENTAL PARTS WHICH MAY NOT BE SPECIFIED OR INDICATED ON DRAWINGS, BUT ARE REQUIRED TO COMPLETE THE IRRIGATION SYSTEM SHALL BE FURNISHED AND INSTALLED WITH NO ADDITIONAL COST TO THE OWNER.

PBR HAWAII
& ASSOCIATES, INC.
1001 BISHOP STREET
AMERICAN SAVINGS BANK TOWER,
SUITE 650
HONOLULU, HAWAII 96813-3484
TEL: (808) 521-5631 FAX: (808) 523-1402
WEB: WWW.PBRHAWAII.COM
EMAIL: SYSADMIN@PBRHAWAII.COM

REVISIONS

#	Date	Description
1	03/30/26	Addendum 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

SHEET NAME
IRRIGATION NOTES

SCALE:

DRAWN BY	CHECKED BY
PW/AF	MS

PROJECT NO.
221093-01

SHEET ISSUE DATE
03/30/2026

SHEET NO.
L308

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

3/11/2026 9:52:29 AM

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	ARC	PSI	GPM	RADIUS
⑥	RAIN BIRD 1804-SAM-PRS 06V TURF SPRAY 4.0IN. POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2IN. NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE. PRESSURE REGULATING.	ADJ	15 - 30	0.26 - 1.20	4' - 6'
⑧	RAIN BIRD 1804-SAM-PRS 08V TURF SPRAY 4.0IN. POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2IN. NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE. PRESSURE REGULATING.	ADJ	15 - 30	0.51 - 1.70	6' - 8'
⑩	RAIN BIRD 1804-SAM-PRS 10V TURF SPRAY 4.0IN. POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2IN. NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE. PRESSURE REGULATING.	ADJ	15 - 30	0.48 - 2.60	7' - 10'
⑫	RAIN BIRD 1804-SAM-PRS 12V TURF SPRAY 4.0IN. POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2IN. NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE. PRESSURE REGULATING.	ADJ	15 - 30	0.39 - 2.36	9' - 12'
⑤	RAIN BIRD 1812-SAM-PRS 05H SHRUB SPRAY 12IN. POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2IN. NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE, AND PRESSURE REGULATING DEVICE.	180	15 - 30	0.14 - 0.20	3' - 5'
⑧	RAIN BIRD 1812-SAM-PRS 08H SHRUB SPRAY 12IN. POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2IN. NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE, AND PRESSURE REGULATING DEVICE.	180	15 - 30	0.37 - 0.52	5' - 8'
⑧	RAIN BIRD 1812-SAM-PRS 08Q SHRUB SPRAY 12IN. POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2IN. NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE, AND PRESSURE REGULATING DEVICE.	90	15 - 30	0.18 - 0.26	5' - 8'
⑩	RAIN BIRD 1812-SAM-PRS 10H SHRUB SPRAY 12IN. POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2IN. NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE, AND PRESSURE REGULATING DEVICE.	180	15 - 30	0.58 - 0.79	7' - 10'
⑫	RAIN BIRD 1812-SAM-PRS 12H SHRUB SPRAY 12IN. POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2IN. NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE, AND PRESSURE REGULATING DEVICE.	180	15 - 30	0.90 - 1.30	9' - 12'
⑫	RAIN BIRD 1812-SAM-PRS 12Q SHRUB SPRAY 12IN. POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2IN. NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE, AND PRESSURE REGULATING DEVICE.	90	15 - 30	0.45 - 0.65	9' - 12'
④	RAIN BIRD 1812-SAM-PRS 04V SHRUB SPRAY 12IN. POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2IN. NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE, AND PRESSURE REGULATING DEVICE.	ADJ	15 - 30	0.21 - 0.88	3' - 4'
⑥	RAIN BIRD 1812-SAM-PRS 06V SHRUB SPRAY 12IN. POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2IN. NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE, AND PRESSURE REGULATING DEVICE.	ADJ	15 - 30	0.26 - 1.20	4' - 6'
⑧	RAIN BIRD 1812-SAM-PRS 08V SHRUB SPRAY 12IN. POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2IN. NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE, AND PRESSURE REGULATING DEVICE.	ADJ	15 - 30	0.51 - 1.70	6' - 8'
⑩	RAIN BIRD 1812-SAM-PRS 10V SHRUB SPRAY 12IN. POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2IN. NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE, AND PRESSURE REGULATING DEVICE.	ADJ	15 - 30	0.48 - 2.60	7' - 10'
⑫	RAIN BIRD 1812-SAM-PRS 12V SHRUB SPRAY 12IN. POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2IN. NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE, AND PRESSURE REGULATING DEVICE.	ADJ	15 - 30	0.39 - 2.36	9' - 12'
⑮	RAIN BIRD 1812-SAM-PRS 15V SHRUB SPRAY 12IN. POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2IN. NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE, AND PRESSURE REGULATING DEVICE.	ADJ	15 - 30	0.65 - 3.70	11' - 15'
Ⓡ	RAIN BIRD R-VAN-STRIP 1804-SAM-PRS RCS SHRUB ROTARY, 5FT.X15FT. (LCS AND RCS), 5FT.X30FT. (SST) HAND ADJUSTABLE MULTI-STREAM ROTARY W/ 1800 TURF SPRAY BODY ON 4IN. POP-UP, WITH CHECK VALVE AND IN-STEM PRESSURE REGULATOR. 1/2IN. NPT FEMALE THREADED INLET.	RCS	30 - 55	0.18 - 0.28	4' X 14' - 6' X 16'
①	RAIN BIRD R-VAN14 1804-SAM-PRS RV-14 TURF ROTARY, 8FT.-14FT. 45-270 DEGREES AND 360 DEGREES. HAND ADJUSTABLE MULTI-STREAM ROTARY W/1800 TURF SPRAY BODY ON 4IN. POP-UP, WITH CHECK VALVE AND IN-STEM PRESSURE REGULATOR. 1/2IN. NPT FEMALE THREADED INLET.	30 - 55	0.36 - 0.56	4' X 28' - 6' X 32'	10'
⑱	RAIN BIRD R-VAN18 1804-SAM-PRS RV-18 TURF ROTARY, 13FT.-18FT. 45-270 DEGREES AND 360 DEGREES. HAND ADJUSTABLE MULTI-STREAM ROTARY W/1800 TURF SPRAY BODY ON 4IN. POP-UP, WITH CHECK VALVE AND IN-STEM PRESSURE REGULATOR. 1/2IN. NPT FEMALE THREADED INLET.	30 - 55	0.42 - 1.62	16' - 18'	13'
⑱	RAIN BIRD R-VAN18 1804-SAM-PRS RV-18F TURF ROTARY, 13FT.-18FT. 45-270 DEGREES AND 360 DEGREES. HAND ADJUSTABLE MULTI-STREAM ROTARY W/1800 TURF SPRAY BODY ON 4IN. POP-UP, WITH CHECK VALVE AND IN-STEM PRESSURE REGULATOR. 1/2IN. NPT FEMALE THREADED INLET.	30 - 55	1.65 - 2.11	16' - 18'	13'
㉔	RAIN BIRD R-VAN24 1804-SAM-PRS RV-24 TURF ROTARY, 17FT.-24FT. 45-270 DEGREES AND 360 DEGREES. HAND ADJUSTABLE MULTI-STREAM ROTARY W/1800 TURF SPRAY BODY ON 4IN. POP-UP, WITH CHECK VALVE AND 45 PSI IN-STEM PRESSURE REGULATOR. 1/2IN. NPT FEMALE THREADED INLET.	30 - 55	0.60 - 2.88	19' - 24'	15'
㉔	RAIN BIRD R-VAN24 1804-SAM-PRS RV-24F TURF ROTARY, 17FT.-24FT. 45-270 DEGREES AND 360 DEGREES. HAND ADJUSTABLE MULTI-STREAM ROTARY W/1800 TURF SPRAY BODY ON 4IN. POP-UP, WITH CHECK VALVE AND IN-STEM PRESSURE REGULATOR. 1/2IN. NPT FEMALE THREADED INLET.	30 - 55	2.35' - 3.74'	19' - 24'	15'
Ⓛ	RAIN BIRD R-VAN-STRIP 1812-SAM-PRS LCS SHRUB ROTARY, 5FT.X15FT. (LCS AND RCS), 5FT.X30FT. (SST) HAND ADJUSTABLE MULTI-STREAM ROTARY W/ 1800 SHRUB SPRAY BODY ON 12IN. POP-UP, WITH CHECK VALVE AND IN-STEM PRESSURE REGULATOR. 1/2IN. NPT FEMALE THREADED INLET.	30 - 55	0.18 - 0.28	4' X 14' - 6' X 16'	3.2'x9.6'
Ⓡ	RAIN BIRD R-VAN-STRIP 1812-SAM-PRS RCS SHRUB ROTARY, 5FT.X15FT. (LCS AND RCS), 5FT.X30FT. (SST) HAND ADJUSTABLE MULTI-STREAM ROTARY W/ 1800 SHRUB SPRAY BODY ON 12IN. POP-UP, WITH CHECK VALVE AND IN-STEM PRESSURE REGULATOR. 1/2IN. NPT FEMALE THREADED INLET.	30 - 55	0.18 - 0.28	4' X 14' - 6' X 16'	3.2'x9.6'
Ⓢ	RAIN BIRD R-VAN-STRIP 1812-SAM-PRS SST SHRUB ROTARY, 5FT.X15FT. (LCS AND RCS), 5FT.X30FT. (SST) HAND ADJUSTABLE MULTI-STREAM ROTARY W/ 1800 SHRUB SPRAY BODY ON 12IN. POP-UP, WITH CHECK VALVE AND IN-STEM PRESSURE REGULATOR. 1/2IN. NPT FEMALE THREADED INLET.	30 - 55	0.36 - 0.56	4' X 28' - 6' X 32'	3.2'x19.2'
⑪	RAIN BIRD R-VAN14 1812-SAM-PRS RV-14 SHRUB ROTARY, 8FT.-14FT. 45-270 DEGREES AND 360 DEGREES. HAND ADJUSTABLE MULTI-STREAM ROTARY W/1800 SHRUB SPRAY BODY ON 12IN. POP-UP, WITH CHECK VALVE AND IN-STEM PRESSURE REGULATOR. 1/2IN. NPT FEMALE THREADED INLET.	30 - 55	0.28 - 1.17	13' - 15'	10'
⑱	RAIN BIRD R-VAN18 1812-SAM-PRS RV-18 SHRUB ROTARY, 13FT.-18FT. 45-270 DEGREES AND 360 DEGREES. HAND ADJUSTABLE MULTI-STREAM ROTARY W/1800 SHRUB SPRAY BODY ON 12IN. POP-UP, WITH CHECK VALVE AND IN-STEM PRESSURE REGULATOR. 1/2IN. NPT FEMALE THREADED INLET.	30 - 55	0.42 - 1.62	16' - 18'	13'
⑱	RAIN BIRD R-VAN18 1812-SAM-PRS RV-18F SHRUB ROTARY, 13FT.-18FT. 45-270 DEGREES AND 360 DEGREES. HAND ADJUSTABLE MULTI-STREAM ROTARY W/1800 SHRUB SPRAY BODY ON 12IN. POP-UP, WITH CHECK VALVE AND IN-STEM PRESSURE REGULATOR. 1/2IN. NPT FEMALE THREADED INLET.	30 - 55	1.65 - 2.11	16' - 18'	13'
㉔	RAIN BIRD R-VAN24 1812-SAM-PRS RV-24 SHRUB ROTARY, 17FT.-24FT. 45-270 DEGREES AND 360 DEGREES. HAND ADJUSTABLE MULTI-STREAM ROTARY W/1800 SHRUB SPRAY BODY ON 12IN. POP-UP, WITH CHECK VALVE AND IN-STEM PRESSURE REGULATOR. 1/2IN. NPT FEMALE THREADED INLET.	30 - 55	0.60 - 2.88	19' - 24'	15'
㉔	RAIN BIRD R-VAN24 1812-SAM-PRS RV-24F SHRUB ROTARY, 17FT.-24FT. 45-270 DEGREES AND 360 DEGREES. HAND ADJUSTABLE MULTI-STREAM ROTARY W/1800 SHRUB SPRAY BODY ON 12IN. POP-UP, WITH CHECK VALVE AND IN-STEM PRESSURE REGULATOR. 1/2IN. NPT FEMALE THREADED INLET.	30 - 55	2.35 - 3.74	19' - 24'	15'

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	PSI	GPM	RADIUS
1.0	RAIN BIRD 5004-PL-PC-SAM-R-SS-LA 1.0 TURF ROTOR, 4IN. POP-UP. STAINLESS STEEL RISER, ADJUSTABLE TO FULL CIRCLE. WITH LOW ANGLE NOZZLE, IN-STEM PRESSURE REGULATOR, FLOW SHUT-OFF DEVICE, AND SEAL-A-MATIC CHECK VALVE.	35	0.92	28'
1.5	RAIN BIRD 5004-PL-PC-SAM-R-SS-LA 1.5 TURF ROTOR, 4IN. POP-UP. STAINLESS STEEL RISER, ADJUSTABLE TO FULL CIRCLE. WITH LOW ANGLE NOZZLE, IN-STEM PRESSURE REGULATOR, FLOW SHUT-OFF DEVICE, AND SEAL-A-MATIC CHECK VALVE.	35	1.38	30'
3.0	RAIN BIRD 5004-PL-PC-SAM-R-SS-LA 3.0 TURF ROTOR, 4IN. POP-UP. STAINLESS STEEL RISER, ADJUSTABLE TO FULL CIRCLE. WITH LOW ANGLE NOZZLE, IN-STEM PRESSURE REGULATOR, FLOW SHUT-OFF DEVICE, AND SEAL-A-MATIC CHECK VALVE.	35	2.68	33'

	MANUFACTURER/MODEL/DESCRIPTION
	RAIN BIRD XACZ-075-PRF LOW FLOW DRIP CONTROL KIT, 3/4IN. LOW FLOW ANTI-SIPHON VALVE, 3/4IN. PRESSURE REGULATING RBY FILTER, AND 30PSI PRESSURE REGULATOR, FOR ABOVE GRADE INSTALLATION. 0.2 GPM-5 GPM. INSTALL IN RECTANGULAR VALVE BOX.
	PIPE TRANSITION POINT IN DRIP BOX PIPE TRANSITION POINT FROM PVC LATERAL TO DRIP TUBING WITH RISER IN 6IN. DRIP BOX.
Ⓕ	FLUSH VALVE PLUMBED TO FLUSH MANIFOLD. INSTALL IN 6" ROUND VALVE BOX.

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFS-09-12 XFS SUB-SURFACE PRESSURE COMPENSATING DRIPLINE W/COPPER SHIELD TECHNOLOGY. 0.9 GPH EMITTERS AT 12" O.C. LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. UV RESISTANT. INSTALL 2" BLACK CINDER MULCH OVER ALL DRIPLINES.

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	RAIN BIRD PESB-PRS-D 1IN., 1-1/2IN., 2IN., 3IN., 3IN. PLASTIC INDUSTRIAL REMOTE CONTROL VALVE. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION. WITH PRESSURE REGULATING MODULE, AND SCRUBBER TECHNOLOGY FOR RELIABLE PERFORMANCE IN DIRTY WATER IRRIGATION APPLICATIONS. INSTALL IN RECTANGULAR VALVE BOX.
	RAIN BIRD 5-LRC 1IN. BRASS QUICK-COUPLING VALVE, WITH CORROSION-RESISTANT STAINLESS STEEL SPRING, LOCKING THERMOPLASTIC RUBBER COVER, AND 1-PIECE BODY. INSTALL IN ROUND VALVE BOX.
	NIBCO T-113 CLASS 125 BRONZE GATE SHUT OFF VALVE WITH BRONZE WHEEL HANDLE, SAME SIZE AS MAINLINE PIPE DIAMETER AT VALVE LOCATION. SIZE RANGE - 1/4IN. - 3IN. INSTALL IN ROUND VALVE BOX.
BF	FEBCO 825Y 2" REDUCED PRESSURE BACKFLOW PREVENTER
C	RAIN BIRD ESPLXME2P 48 STATION, TRADITIONALLY-WIRED , PRO SMART, COMMERCIAL CONTROLLER. (1) ESPLXME2P 12-STATION, PRO SMART, (MODULE INCLUDED) INDOOR/OUTDOOR, PLASTIC WALL-MOUNT ENCLOSURE W/ (3) ESPLXMSM12 - 12-STATION EXPANSION MODULES.
RS	RAIN BIRD RSD BEX RAIN SENSOR, WITH METAL LATCHING BRACKET AND EXTENSION WIRE, MOUNT TO GALVANIZED POST

CB	V.I.T STRONG BOX SB-24SS NEMA 3R STAINLESS STEEL PEDESTAL MOUNT CONTROLLER ENCLOSURE. 24"W, 36"H, 12" D WITH MATCHING STAINLESS STEEL PEDESTAL (STRONG BOX PED 24-SS). INCLUDES THERMOSTATICALLY CONTROLLED FAN ASSEMBLY (STRONG BOX OPT-FAN). LOCATE AND CONNECT TO NEW 120-VOLT POWER INSIDE WATERPROOF J-BOX (SEE ELECTRICAL PLANS FOR EXACT LOCATION). ENSURE CONTROLLER IS GROUNDED TO MINIMUM 8-OHMS OR AS RECOMMENDED BY MANUFACTURER, WHICHEVER IS LOWER.
POC	POINT OF CONNECTION 2" CONNECT TO NEW 2" GATE VALVE IN VALVE BOX. REFER TO CIVIL PLANS FOR EXACT LOCATION.
	IRRIGATION LATERAL LINE: PVC SCHEDULE 40
	IRRIGATION LATERAL LINE: TYPE K COPPER PIPE
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR -7
	IRRIGATION MAINLINE: PVC SCHEDULE 40
	IRRIGATION MAINLINE: TYPE K COPPER PIPE
	PIPE SLEEVE: PVC SCHEDULE 40
	CONTROL WIRE CONDUIT: PVC SCHEDULE 80 UL APPROVED TYPICAL CONDUIT FOR IRRIGATION CONTROL WIRE. CONDUIT SIZE SHALL ALLOW FOR IRRIGATION CONTROL WIRE TO EASILY SLIDE THROUGH CONDUIT MATERIAL. EXTEND SLEEVES 18 INCHES BEYOND EDGES OF PAVING OR CONSTRUCTION.

VALVE CALLOUT
- # — VALVE NUMBER
- #" / #• — VALVE FLOW / VALVE SIZE

CONDUIT & SLEEVE CALLOUT
- ▽ — CONDUIT SIZE
- ⑥ — SLEEVE SIZE

PBR HAWAII
& ASSOCIATES, INC.
1001 BISHOP STREET
AMERICAN SAVINGS BANK TOWER,
SUITE 650
HONOLULU, HAWAII 96813-3484
TEL: (808) 521-5631 FAX: (808) 523-1402
WEB: WWW.PBRHAWAII.COM
EMAIL: SYSADMIN@PBRHAWAII.COM

REVISIONS

#	Date	Description
1	03/30/26	Addendum 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

SHEET NAME
IRRIGATION SCHEDULE

SCALE:

DRAWN BY	CHECKED BY
PW/AF	MS

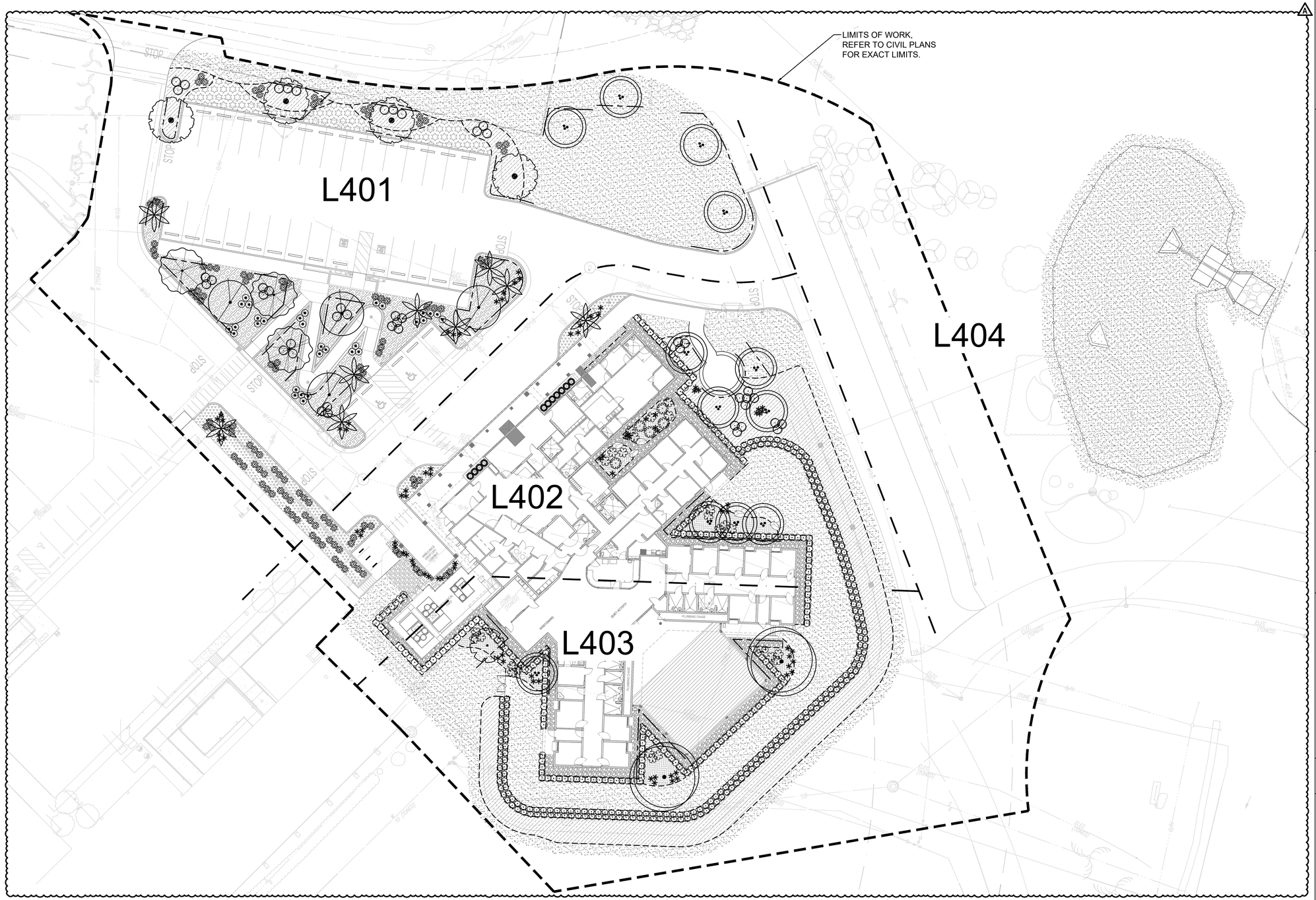
PROJECT NO.
221093-01

SHEET ISSUE DATE
03/30/2026

SHEET NO.
L309
1

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

3/11/2026 9:52:29 AM



NOTES:

1. INSTALL ROOT BARRIERS FOR ALL TREES.
2. PLANT QUANTITIES ARE PROVIDED FOR CONVENIENCE ONLY. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES AND DIMENSIONS.
3. INSTALL 6" LAYER IMPORTED SCREENED TOPSOIL AND 2" LAYER ORGANIC SOIL AMENDMENT OVER ALL NEW LANDSCAPE AREAS.
4. PROVIDE A NEW AUTOMATIC IRRIGATION SYSTEM FOR ALL NEW PLANTING AREAS, TYP.
5. PROVIDE 2" LAYER BLACK CINDER MULCH BELOW ALL GROUNDCOVER AND SHRUB AREAS

GRAPHIC SCALE: 1" = 20'=0"
0 5 10 20 40

PBR HAWAII
& ASSOCIATES, INC.
1001 BISHOP STREET
AMERICAN SAVINGS BANK TOWER,
SUITE 650
HONOLULU, HAWAI'I 96813-3484
TEL: (808) 521-5631 FAX: (808) 523-1402
WEB: WWW.PBRHAWAII.COM
EMAIL: SYSADMIN@PBRHAWAII.COM

REVISIONS

#	Date	Description
1	03/30/26	Addendum 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

SHEET NAME
OVERALL PLANTING PLAN

SCALE: 1" = 20'-0"

DRAWN BY	CHECKED BY
PW/AF	MS
PROJECT NO.	SHEET NO.
221093-01	L400
SHEET ISSUE DATE	
03/30/2026	

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

3/11/2026 9:52:29 AM

LIMITS OF WORK,
REFER TO CIVIL PLANS
FOR EXACT LIMITS.

SINGAPORE WHITE PLUMERIA,
TYP. SYM.

'EL TORO' ZOYSIA GRASS,
TYP. SYM.

KOU,
TYP. SYM.

POHINAHINA,
TYP. SYM.

BEND-A-BOARD HEADER,
TYP. SYM.

NAUPAKA SHRUB AREA,
TYP. SYM.

MATCHLINE - SEE L404

FOXTAIL PALM,
TYP. SYM.

ROOT BARRIER,
TYP. SYM.

'QUEEN EMMA'
SPIDER LILY,
TYP. SYM.

LONOMEA,
TYP. SYM.

HONG KONG ORCHID TREE,
TYP. SYM.

MATCHLINE - SEE L402

KOKIOKEOKEO,
TYP. SYM.

DWARF LAUAE FERN,
TYP. SYM.

MATCHLINE - SEE L402

MATCHLINE - SEE L402

MATCHLINE - SEE L402

NEW SHEET

GRAPHIC SCALE: 1" = 10'-0"
0 2.5 5 10 20

PBR HAWAII
& ASSOCIATES, INC.
1001 BISHOP STREET
AMERICAN SAVINGS BANK TOWER,
SUITE 650
HONOLULU, HAWAI'I 96813-3484
TEL: (808) 521-5631 FAX: (808) 523-1402
WEB: WWW.PBRHAWAII.COM
EMAIL: SYSADMIN@PBRHAWAII.COM

REVISIONS

#	Date	Description
1	03/30/26	Addendum 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

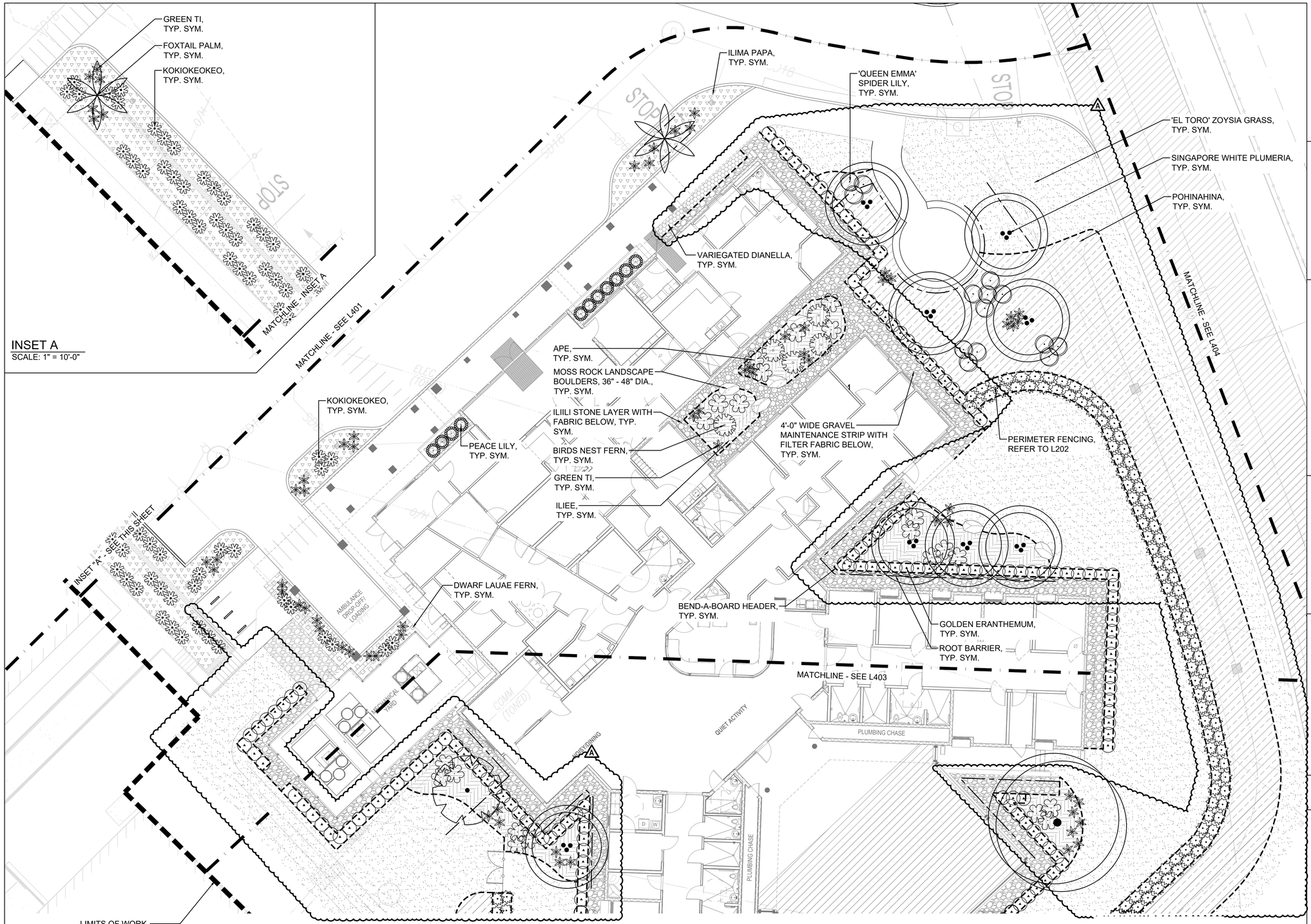
SHEET NAME
PLANTING PLAN - 1

SCALE: 1" = 10'-0"

DRAWN BY	CHECKED BY
PW/AF	MS
PROJECT NO. 221093-01	SHEET NO. L401
SHEET ISSUE DATE 03/30/2026	

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

3/11/2026 9:52:29 AM



PBR HAWAII
& ASSOCIATES, INC.
1001 BISHOP STREET
AMERICAN SAVINGS BANK TOWER,
SUITE 650
HONOLULU, HAWAII 96813-3484
TEL: (808) 521-5631 FAX: (808) 523-1402
WEB: WWW.PBRHAWAII.COM
EMAIL: SYSADMIN@PBRHAWAII.COM

REVISIONS

#	Date	Description
1	03/30/26	Addendum 1

ADDENDUM 1 / PERMIT SET
03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

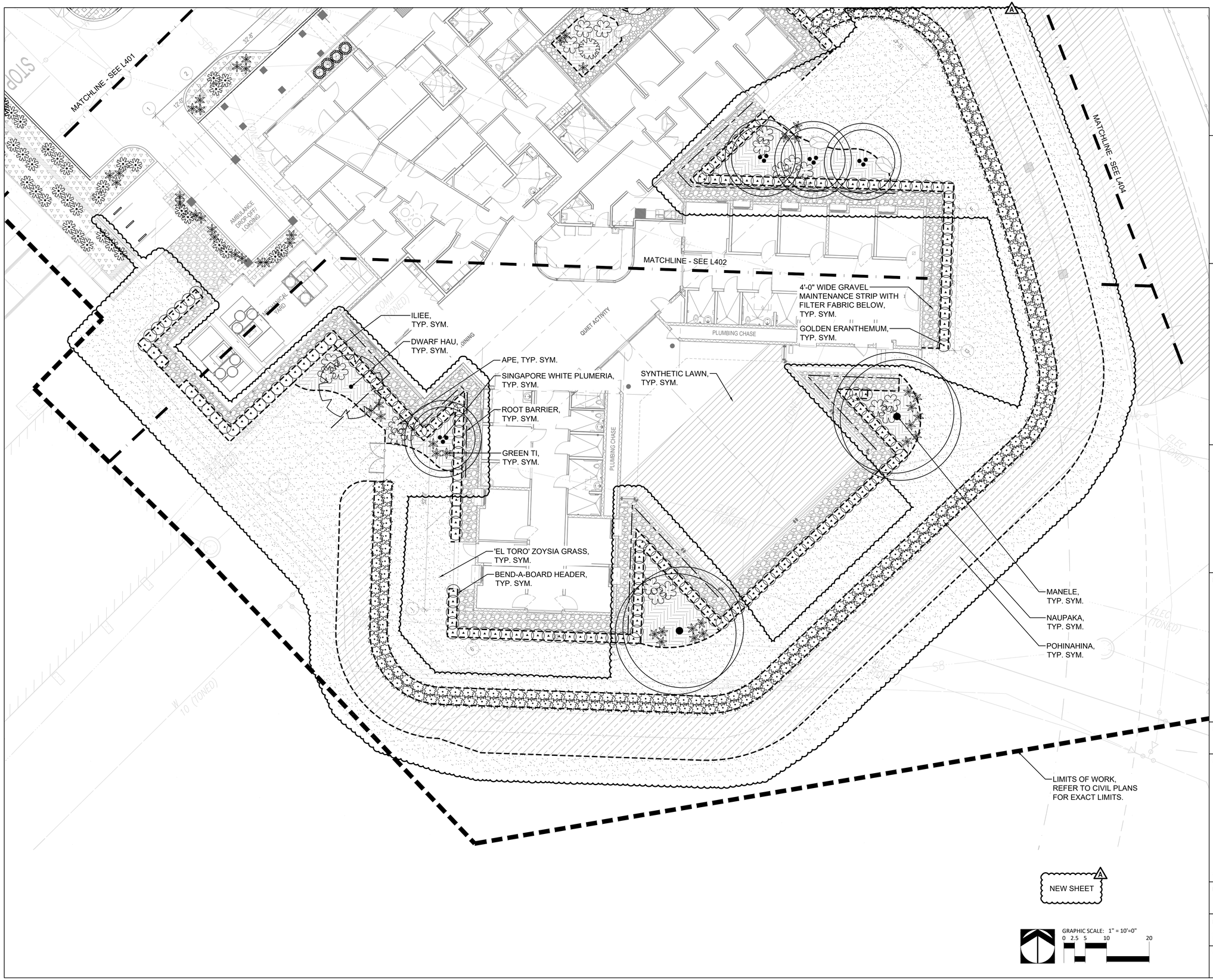
SHEET NAME
PLANTING PLAN - 2

SCALE: 1" = 10'-0"

DRAWN BY	CHECKED BY
PW/AF	MS

PROJECT NO.	SHEET NO.
221093-01	L402
SHEET ISSUE DATE	
03/30/2026	

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt
3/11/2026 9:52:29 AM



PBR HAWAII
& ASSOCIATES, INC.
1001 BISHOP STREET
AMERICAN SAVINGS BANK TOWER,
SUITE 650
HONOLULU, HAWAII 96813-3484
TEL: (808) 521-5631 FAX: (808) 523-1402
WEB: WWW.PBRHAWAII.COM
EMAIL: SYSADMIN@PBRHAWAII.COM

REVISIONS

#	Date	Description
1	03/30/26	Addendum 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

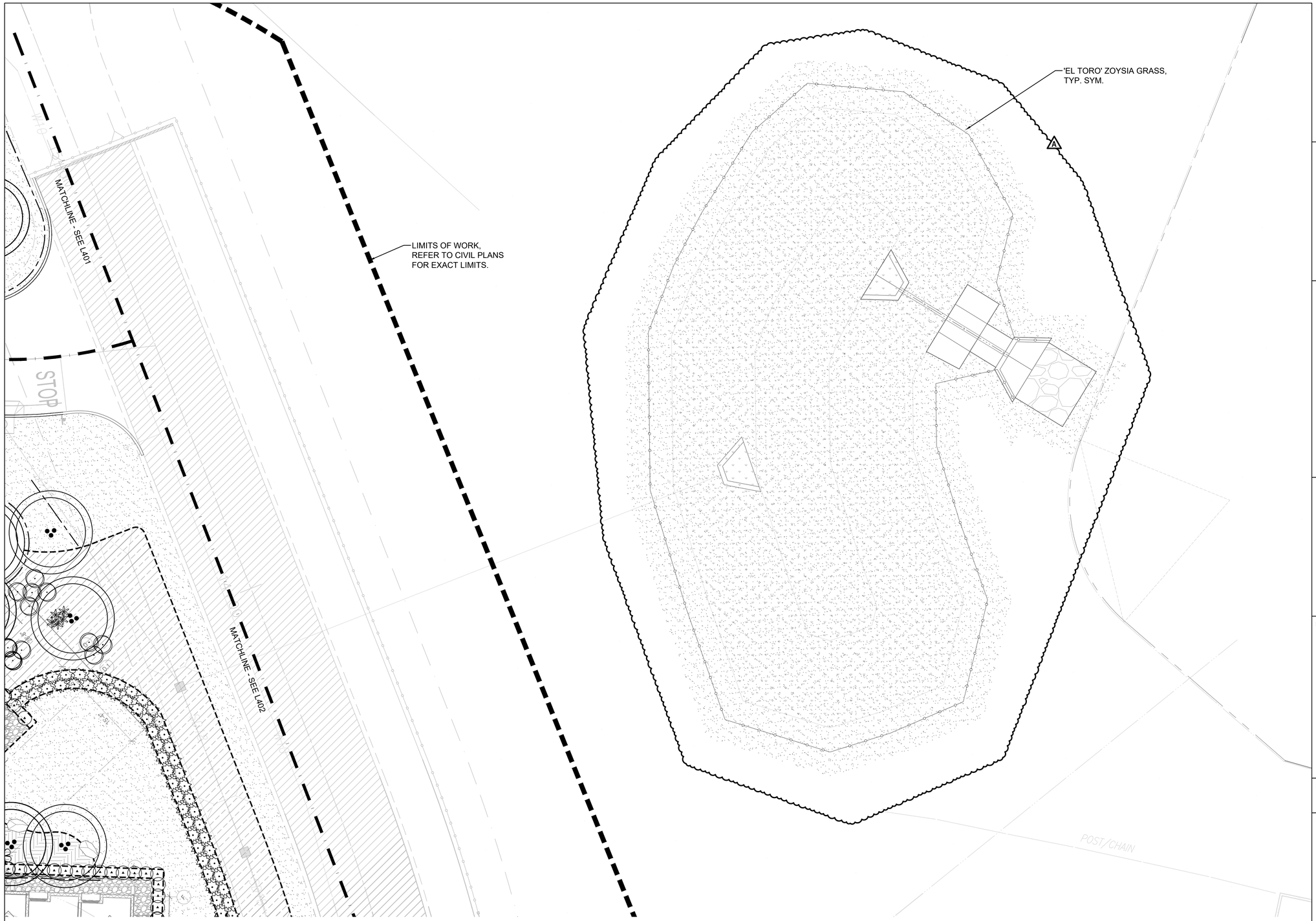
FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

SHEET NAME
PLANTING PLAN - 3

SCALE: 1" = 10'-0"

DRAWN BY	CHECKED BY
PW/AF	MS
PROJECT NO. 221093-01	SHEET NO. L403
SHEET ISSUE DATE 03/30/2026	

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt
3/11/2026 9:52:29 AM



NEW SHEET

GRAPHIC SCALE: 1" = 10'-0"
0 2.5 5 10 20

PBR HAWAII
& ASSOCIATES, INC.
1001 BISHOP STREET
AMERICAN SAVINGS BANK TOWER,
SUITE 650
HONOLULU, HAWAI'I 96813-3484
TEL: (808) 521-5631 FAX: (808) 523-1402
WEB: WWW.PBRHAWAII.COM
EMAIL: SYSADMIN@PBRHAWAII.COM

REVISIONS

#	Date	Description
A	03/30/26	Addendum 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

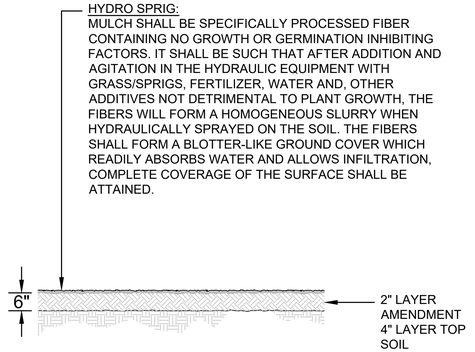
SHEET NAME
PLANTING PLAN - 4

SCALE: 1" = 10'-0"

DRAWN BY	CHECKED BY
PW/AF	MS
PROJECT NO.	SHEET NO.
221093-01	L404
SHEET ISSUE DATE	
03/30/2026	

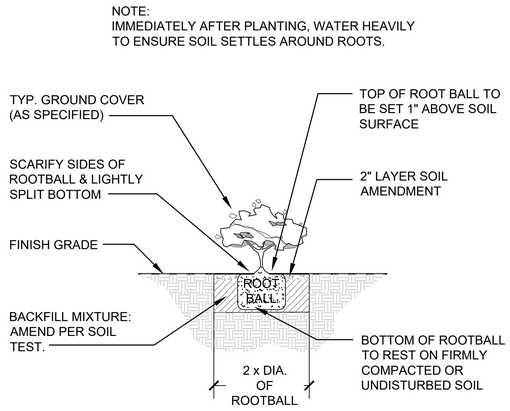
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

3/11/2026 9:52:29 AM



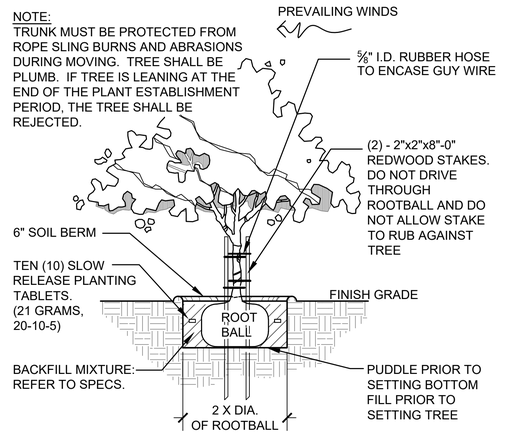
1 HYDRO-SPRIG DETAIL

NOT TO SCALE P-KA-4015.01-04



3 GROUND COVER PLANTING

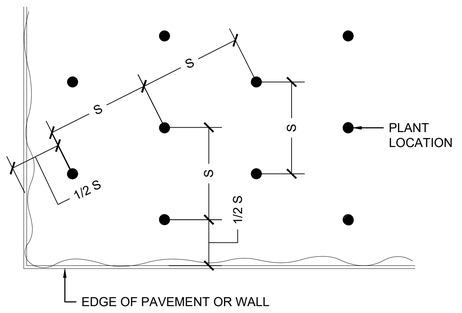
NOT TO SCALE P-KA-4015.01-02



5 TREE PLANTING AND DOUBLE STAKING

NOT TO SCALE P-KA-4015.01-09

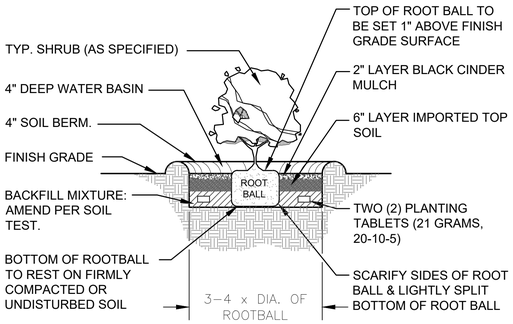
NOTE:
1. S = SPACING, (REFER TO PLANT LIST FOR SPACING)
2. USE SPACING LAYOUT FOR SHRUBS, GROUNDCOVERS, AND ANNUALS



2 TRIANGULAR SPACING

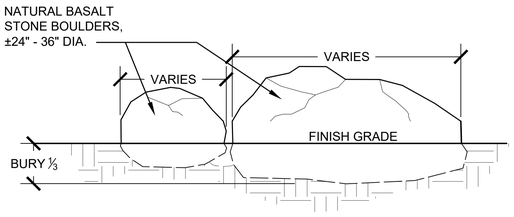
NOT TO SCALE P-KA-4015.01-01

NOTES:
1. SINGLE STEM SHRUBS SHALL BE PLUMB. IF SHRUB IS LEANING AT THE END OF THE PLANT ESTABLISHMENT PERIOD, IT SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
2. IMMEDIATELY AFTER PLANTING, WATER HEAVILY TO ENSURE SOIL SETTLES AROUND ROOTS.



4 SHRUB PLANTING

NOT TO SCALE P-KA-4015.01-05



LANDSCAPE BOULDERS

6 NATURAL BOULDER DETAIL

NOT TO SCALE P-KA-4015.01-08

PBR HAWAII
& ASSOCIATES, INC.
1001 BISHOP STREET
AMERICAN SAVINGS BANK TOWER,
SUITE 650
HONOLULU, HAWAI'I 96813-3484
TEL: (808) 521-5631 FAX: (808) 523-1402
WEB: WWW.PBRHAWAII.COM
EMAIL: SYSADMIN@PBRHAWAII.COM

REVISIONS

#	Date	Description
1	03/30/26	Addendum 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

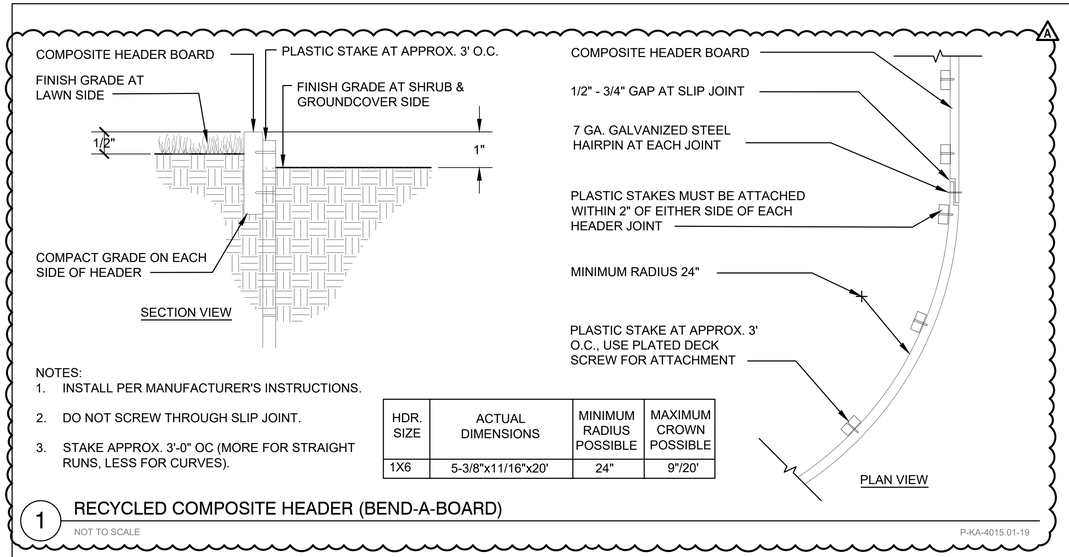
SHEET NAME
PLANTING DETAILS - 1

SCALE:

DRAWN BY	CHECKED BY
PW/AF	MS
PROJECT NO. 221093-01	SHEET NO. L405
SHEET ISSUE DATE 03/30/2026	

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

3/11/2026 9:52:29 AM



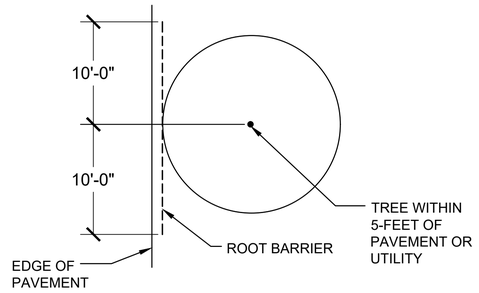
NOTES:
1. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
2. DO NOT SCREW THROUGH SLIP JOINT.
3. STAKE APPROX. 3'-0" OC (MORE FOR STRAIGHT RUNS, LESS FOR CURVES).

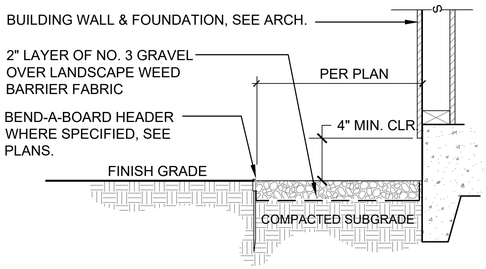
HDR. SIZE	ACTUAL DIMENSIONS	MINIMUM RADIUS POSSIBLE	MAXIMUM CROWN POSSIBLE
1X6	5-3/8"x11/16"x20'	24"	9"/20'

1 RECYCLED COMPOSITE HEADER (BEND-A-BOARD)

NOT TO SCALE P-KA-4015.01-19

NOTES:
1. PLACE TOP EDGE OF PLASTIC ROOT BARRIER AT FINISH GRADE AND SECURE W/MANUFACTURER PROVIDED PINS.
2. SEAMS SHALL HAVE MINIMUM 3" OVERLAP. REFER TO MANUFACTURER INSTRUCTIONS FOR BONDING THE SEAM.
3. DO NOT ALLOW GAPS IN BARRIER DURING INSTALLATION OR BACKFILLING.
4. REFER TO PLANTING FOR TREE LOCATIONS.

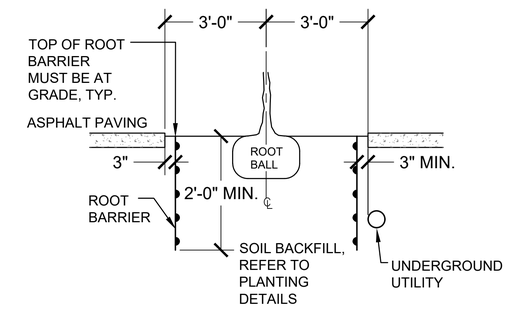




NOTES:
1. INSTALL HEADER & WEED BARRIER FABRIC PER MANUFACTURER'S INSTRUCTIONS.

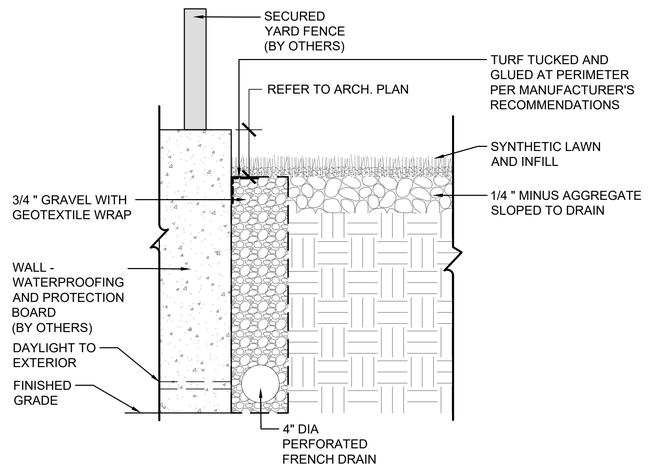
2 GRAVEL MAINTENANCE STRIP

NOT TO SCALE P-KA-4015.01-07



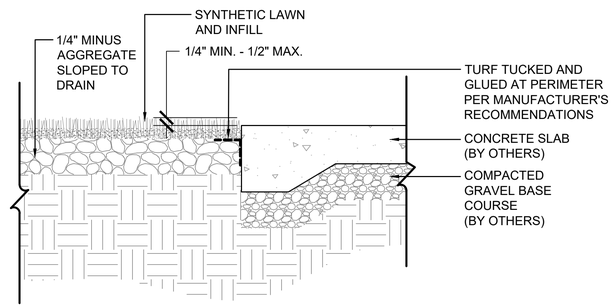
5 ROOT BARRIER

NOT TO SCALE P-KA-4015.01-10



3 SYNTHETIC LAWN DETAIL AT SECURED YARD

NOT TO SCALE P-KA-4015.01-11



A
MANUFACTURER'S REP AND INSTALLER:
RORY OTTO
808-630-1064
SALES@NYLAWN.COM

4 SYNTHETIC LAWN DETAIL AT SECURED YARD

NOT TO SCALE P-KA-4015.01-11

PBR HAWAII
& ASSOCIATES, INC.
1001 BISHOP STREET
AMERICAN SAVINGS BANK TOWER,
SUITE 650
HONOLULU, HAWAI'I 96813-3484
TEL: (808) 521-5631 FAX: (808) 523-1402
WEB: WWW.PBRHAWAII.COM
EMAIL: SYSADMIN@PBRHAWAII.COM

REVISIONS

#	Date	Description
A	03/30/26	Addendum 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

SHEET NAME
PLANTING DETAILS - 2

SCALE:

DRAWN BY	CHECKED BY
PW/AF	MS

PROJECT NO. 221093-01

SHEET ISSUE DATE 03/30/2026

SHEET NO. A **L406**

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

3/11/2026 9:52:29 AM

PLANTING NOTES

1. LANDSCAPE CONTRACTOR SHALL FIELD VERIFY ALL PLANT QUANTITIES AND DIMENSIONS PRIOR TO INSTALLATION. QUANTITIES SHOWN ON PLANT LIST AND MATERIAL SCHEDULES ARE FOR REFERENCE ONLY, VERIFY ACTUAL QUANTITIES AS SHOWN ON PLAN. IF THERE IS A DISCREPANCY, THE PLANTING PLAN SHALL TAKE PRECEDENCE.
2. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING EXISTING UTILITIES.
3. PRIOR TO TREE AND SHRUB HOLE EXCAVATION, ALL PLANTING LOCATIONS SHALL BE STAKED OUT BY CONTRACTOR FOR APPROVAL BY ARCHITECT. DO NOT PLANT UNTIL GROUND HAS BEEN PREPARED AND FREE OF STONES GREATER THAN ½", DIA., SITE IS NEAT, ORDERLY, AND THE ARCHITECT ACCEPTS SITE FOR PLANTING.
4. NOTIFY ARCHITECT OF ANY DISCREPANCIES IN PLANT LOCATIONS OR INSUFFICIENT PLANT QUANTITIES DUE TO DIFFERENCE IN PLANS AND ACTUAL FIELD CONDITIONS.
5. NOTIFY ARCHITECT 30 DAYS PRIOR TO PLANTING OPERATIONS FOR APPROVAL OF ALL PLANT MATERIAL AT PLACE OF GROWTH. ALL PLANT MATERIAL NOT APPROVED BY THE ARCHITECT WILL BE SUBJECT TO REJECTION. THE ARCHITECT WILL INSPECT PLANTS AT THE PLACE OF GROWTH AND AFTER THE DELIVERY TO THE PROJECT. PROVIDE TAGGING MATERIAL FOR ARCHITECT'S USE AND EACH TREE SHALL BE TAGGED BY THE ARCHITECT. TREES DELIVERED TO THE PROJECT WITHOUT ARCHITECT'S TAG WILL BE REJECTED.
6. PLANTS SHALL MEET SIZE INDICATED BY MINIMUM HEIGHT AND SPREAD. PLANTS SHALL BE STRAIGHT AND UNIFORMLY SHAPED, UNLESS UNIQUE OR SPECIAL CHARACTERISTICS ARE SPECIFIED, AND SHALL BE UNDAMAGED, SOUND, HEALTHY, VIGOROUS AND FREE OF DISEASE AND INSECT INFESTATION. PLANTS NOT CONFORMING TO THESE REQUIREMENTS ON DELIVERY TO THE PROJECT AND AT THE END OF THE PLANT ESTABLISHMENT PERIOD WILL BE REJECTED.
7. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE COMPLETE REMOVAL AND DAMAGES RESULTING FROM PLANTING ANY PLANT SPECIES LISTED ON THE HAWAII DEPARTMENT OF AGRICULTURE 'NOXIOUS WEED RULES' AS DEFINED IN THE STATUTE, HAWAII ADMINISTRATIVE RULES 4:68:1 OR THE 'FEDERAL NOXIOUS WEED LIST' AS DEFINED IN TITLE 7 OF THE CODE OF FEDERAL REGULATIONS (CFR), PARTS 360 AND 361.
8. ALL TREE WORK MUST ADHERE TO AMERICAN NATIONAL STANDARD INSTITUTE (OR ANSI) - A300 TREE CARE STANDARDS AND ANSI-Z133 SAFETY STANDARDS FOR TREE WORK. WORK SHALL BE CONTRACTED TO ARBORISTS THAT HAS BEEN CERTIFIED IN GOOD STANDINGS AS AN ISA CERTIFIED ARBORIST FOR AT LEAST 5 YEARS TO ASSURE THAT TREE WORK IS PERFORMED PROPERLY AND TREES ARE NOT DAMAGED BY PRACTICES SUCH AS TOPPING, FLUSH CUTS, OVER-THINNING, OR CLIMBING WITH SPIKES. CONTRACTOR SHALL SUBMIT A COPY OF THE ISA ARBORIST CERTIFICATION OF GOOD STANDING OF 5 YEARS TO THE ARCHITECT A MINIMUM OF 7 DAYS PRIOR TO TREE PRUNING.
9. FOR THE DURATION OF CONSTRUCTION WITHIN THE DRIP LINE OF TREES TO REMAIN THERE MUST BE: NO CHANGES, ALTERATIONS OR DISTURBANCE TO THE GRADE BY ADDING FILL, EXCAVATING OR SCRAPING EXCEPT AS NOTED ON PLANS; NO STORAGE OF CONSTRUCTION MATERIAL OR EQUIPMENT; NO STOCKPILING OF ANY CONSTRUCTION MATERIAL OR ANY EXCAVATED MATERIAL NO DISPOSAL OF ANY LIQUIDS (E.G. CONCRETE SLEUTH, GAS, OIL, PAINT); NO VEHICULAR TRAFFIC, EQUIPMENT OR EXCESSIVE PEDESTRIAN TRAFFIC NO ATTACHMENT OF ANY WIRES, ROPES, LIGHTS, OR ANY OTHER SUCH ATTACHMENT OTHER THAN THOSE OF PROTECTIVE NATURE TO ANY TREE TO BE PRESERVED; AND NO CLEANING OF EQUIPMENT OR MATERIAL UNDER THE CANOPY OF ANY TREE OR GROUP OF TREES TO REMAIN.
10. PROTECTIVE FENCE SHALL BE ERECTED AROUND TREES IDENTIFIED ON PLAN OR TREES WITH TRUNK DIAMETER GREATER THAN 24 INCHES AS MEASURED AT HEIGHT OF 4 ½ FEET. PROTECTIVE FENCE SHALL BE 4 FEET HIGH ORANGE PLASTIC MESH OR APPROVED EQUIVALENT SUPPORTED ON STEEL T-POST A MINIMUM OF 6 FEET LONG. PROTECTIVE FENCE SHALL SURROUND TREE AT MINIMUM OF 10 FEET FROM TREE TRUNK WITH STEEL T-POST AT A MINIMUM OF 5 FEET ON CENTER.
11. IF TREES OTHER THAN THOSE SPECIFICALLY DESIGNATED FOR REMOVAL ARE DAMAGED BEYOND SURVIVAL CONDITIONS AS DETERMINED BY THE ARCHITECT, THE CONTRACTOR SHALL REMOVE SUCH TREES AND REPLACE THE TREE WITH A SAME SPECIES AND SIZE AND MAINTAIN FOR THE DURATION OF CONSTRUCTION OR 12 MONTHS WHICHEVER IS GREATER AT NO COST TO THE OWNER.
12. PROVIDE AN EVEN LAYER OF PLANTING SOIL OVER ALL PLANTING AREAS. REFER TO THE SPECIFICATIONS FOR TOPSOIL MIXTURE DEPTH. REPRESENTATIVE SAMPLES OF SOIL FROM PROJECT SITE SHALL BE SUBMITTED TO A LABORATORY ACCEPTABLE TO THE ARCHITECT FOR ANALYSIS OF REQUIRED SOIL AMENDMENTS. TEST RESULTS AND FERTILIZATION SCHEDULE SHALL BE PRESENTED TO THE ARCHITECT FOR REVIEW AND ACCEPTANCE BEFORE PLACING PLANTING SOIL. UNIFORMLY DISTRIBUTE FERTILIZER AND AMENDMENTS OVER PLANTING AREAS AS RECOMMENDED BY THE SOIL ANALYSIS REPORT. ROTOTILL TOP LAYER OF SOIL TO EVENLY INCORPORATE FERTILIZER AND AMENDMENTS.
13. GUY WIRES, FLAGGING, STAKES, WINDBREAKERS, ETC. SHALL BE MAINTAINED AND REPLACED IF NECESSARY BY THE CONTRACTOR UNTIL THE TREE OR SHRUB IS ABLE TO STAND BY ITSELF. THE CONTRACTOR SHALL REMOVE AND DISPOSE AT THE END OF PLANT ESTABLISHMENT PERIOD.
14. AFTER INSTALLATION OF PLANTING & IRRIGATION, LANDSCAPE CONTRACTOR TO PROVIDE MARK-UP INFORMATION OF ANY CHANGES MADE IN THE FIELD TO THE FINAL DESIGN PLANS.

GENERAL PROJECT NOTES

1. THESE NOTES ARE TO BE USED FOR GENERAL REFERENCE IN CONJUNCTION WITH, AND AS A SUPPLEMENT TO ANY WRITTEN SPECIFICATIONS, APPROVED ADDENDA, AND CHANGE ORDERS ASSOCIATED WITH THESE LANDSCAPE CONSTRUCTION DOCUMENTS.
2. A QUALIFIED SUPERVISOR SHALL BE PRESENT ON SITE AT ALL TIMES DURING DEMOLITION AND CONSTRUCTION.
3. THE LANDSCAPE CONTRACTOR SHALL COORDINATE ALL WORK WITH RELATED CONTRACTORS AND WITH THE GENERAL CONSTRUCTION OF THE PROJECT IN ORDER NOT TO IMPEDE THE PROGRESS OF THE WORK OF OTHERS OR THE CONTRACTOR'S OWN WORK. IT IS THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO COORDINATE ALL CONSTRUCTION ELEMENT LOCATIONS WITH OTHER TRADES PRIOR TO INSTALLATION. THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE LOCATIONS OF EXISTING AND FUTURE UNDERGROUND SERVICES AND IMPROVEMENTS WHICH MAY CONFLICT WITH THE WORK TO BE DONE. NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY SHOULD CONFLICTS ARISE.
4. OBSERVATION VISITS TO THE JOB SITE BY THE OWNER'S REPRESENTATIVE DO NOT INCLUDE INSPECTIONS OF CONSTRUCTION METHODS AND SAFETY CONDITIONS AT THE WORK SITE. THESE VISITS SHALL NOT BE CONSTRUED AS CONTINUOUS AND DETAILED INSPECTIONS.
5. VERIFY CRITICAL DIMENSIONS, REFERENCE POINT LOCATIONS AND CONSTRUCTION CONDITIONS PRIOR TO INITIATING CONSTRUCTION. NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY SHOULD CONFLICTS ARISE.
6. CONSTRUCTION DETAILING, MATERIALS, EQUIPMENT AND PRODUCTS OTHER THAN THOSE SPECIFIED WITHIN THESE PLANS MAY BE CONSIDERED FOR USE PROVIDED PRIOR WRITTEN APPROVAL IS OBTAINED FROM OWNER'S REPRESENTATIVE PRIOR TO IMPLEMENTATION.
7. LANDSCAPE CONTRACTOR (LC) SHALL BE FAMILIAR WITH AND ADHERE TO ALL LOCAL, STATE AND FEDERAL CODES AND REGULATIONS PERTAINING TO THE PROJECT WORK. ANY CONFLICTS MUST BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE IMMEDIATELY.
8. LC SHALL INSPECT THE CONDITION OF EXISTING WORK FOR DEFECTS PRIOR TO BEGINNING WORK. ALL HARDSCAPE WILL BE REVIEWED DURING THE FINAL ACCEPTANCE WALK. ANY DAMAGE DUE TO THE LC WORK SHALL BE REPAIRED AT THEIR EXPENSE.
9. WHERE 2 OR MORE REQUIREMENTS CREATE OVERLAPPING CONDITIONS, CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE IMMEDIATELY FOR INTERPRETATION.

SPECIAL NOTE - COQUI FROG

(ELEUTHERODACTYLUS COQUI AND/OR ELUTHERODACTYLUS PLANIROSTRIS):

1. PRIOR TO TRANSPORT TO THE PROJECT, INSPECT, TAKE PRECAUTIONS, AND CERTIFY THAT PLANT MATERIALS, EQUIPMENT AND VEHICLES ARE FREE OF COQUI FROGS AND/OR THIER EGGS.
2. IN THE EVENT OF THE PRESENCE OF COQUI FROGS AND/OR THEIR EGGS, THEY SHALL BE COMPLETELY DESTROYED AND REMOVED AND THE PLANT MATERIAL, EQUIPMENT, OR VEHICLE TREATED AS RECOMMENDED BY THE STATE AND RE-INSPECTED.
3. REPORT PRESENCE OF COQUI FROGS OR EGGS TO THE HAWAII DEPT. OF AGRICULTURE PEST HOTLINE AT (808) 643-PEST (7278), OR HAWAII EARLY DETECTION NETWORK AT "REPORT A PEST ONLINE" WWW.643PEST.ORG, OR THE MAUI INVASIVE SPECIES COMMITEE (MISC) PH. (808) 573-6472 OR EMAIL: MISCPR@HAWAII.EDU, OR BIG ISLAND INVASIVE SPECIES COMMITTEE (BIISC), EMAIL: BIISC@HAWAII.EDU OR WEBSITE: WWW.BIISC.ORG.

MULCH STORAGE AND PLACEMENT NOTES

1. CONTRACTOR SHALL INSPECT ALL MULCH FOR COCONUT RHINOCEROS BEETLE (Oryctes rhinoceros) AND LARVAE PRIOR TO PLACEMENT OF MULCH. CONTRACTOR SHALL SUBMIT A LETTER CERTIFYING THAT MULCH MATERIAL IS FREE OF RHINOCEROS BEETLE LARVE OR OTHER INVASIVE SPECIES PRIOR TO PLACEMENT. CONTRACTOR SHALL REFER TO THE HAWAII DEPARTMENT OF AGRICULTURE (HDOA) "HONOLULU COCONUT RHINOCEROS BEETLE ERADICATION PROGRAM" BROCHURE DATED REV. 3/4/15. MORE INFORMATION IS AVAILABLE AT <http://hdoa.hawaii.gov/PI/MAIN/CRB/>
2. IF COCONUT RHINOCEROS BEETLE (CRB) OR CRB LARVAE ARE FOUND, CONTRACTOR SHALL NOTIFY THE HDOA MAUI PLANT PEST CONTROL BRANCH IMMEDIATELY PHONE: 808-873-3555. CONTRACTOR SHALL ALSO REPORT SIGHTING TO THE HAWAII STATE PEST HOTLINE: 808-643-PEST (7378) OR EMAIL VIA <STOP.RHINO@GMAIL.COM>
3. CONTRACTOR SHALL FOLLOW PROPER PROCEDURE AS DETERMINED BY THE HDOA FOR THE REMOVAL AND ERADICATION OF CRB OR CRB LARVAE (AND OTHER INVASIVE SPECIES IF DISCOVERED) .
4. CONTRACTOR SHALL SUBMIT A PLAN TO REMOVE & ERADICATE CRB OR CRB LARVAE AND OTHER INVASIVE SPECIES FROM MULCH MATERIAL TO THE OWNER'S REPRESENTATIVE FOR REVIEW AND ACCEPTANCE.
5. CONTRACTOR SHALL ENSURE DEPTH OF PLACED MULCH DOES NOT EXCEED TWO (2) INCHES.

LITTLE FIRE ANT PREVENTION PROGRAM

1. LANDSCAPE CONTRACTOR WILL SCHEDULE AND NOTIFY ARCHITECT OF RECORD AND THE OWNER'S REPRESENTATIVE PRIOR TO DELIVERY OF ANY PLANT MATERIALS TO THE PROJECT.
2. LANDSCAPE CONTRACTOR WILL SUBMIT A PLAN TO THE ARCHITECT AND THE OWNER'S REPRESENTATIVE FOR APPROVAL TO PREVENT IMPORTATION OF LITTLE FIRE ANT (LFA) ONTO THE PROPERTY, I.E. PROVIDE QUARANTINE OR A HOLDING AREA FOR 6 WEEKS BEFORE PLANT DELIVERY TO PROJECT SITE.
3. LANDSCAPE CONTRACTOR WILL BUY PLANTS OR PLANTING MATERIALS ONLY FROM FIRE ANT-FREE NURSERIES AND SUPPLIERS.
4. LANDSCAPE CONTRACTOR WILL TEST FOR LFA AND IDENTIFY THE SPECIES CORRECTLY. CONSULT WEBSITE: WWW.LITTLEFIREANTS.COM FOR TESTING METHODS AND SPECIES IDENTIFICATION.
5. LANDSCAPE CONTRACTOR WILL BAIT AND ALLOW AT LEAST 2 WEEKS FOR THE BAIT TO BE CARRIED BACK TO THE COLONY FOR ALL PLANTS AND NURSERY MATERIALS AT THE SUPPLYING NURSERIES REGARDLESS OF THE FIRE ANT-FREE CLAIM.
6. LANDSCAPE CONTRACTOR WILL APPLY A BARRIER TREATMENT, FOLLOWING THE BAITING, TO ALL NURSERY MATERIALS AT THE SUPPLYING NURSERIES REGARDLESS OF THE FIRE ANT-FREE CLAIM.
7. LANDSCAPE CONTRACTOR WILL DRENCH ALL SOILS OR LOOSE NURSERY MATERIALS WITH THE PROPER MIXTURE OF SEVIN PER GALLON OF WATER INDICATED BY THE MANUFACTURER AND FOLLOW MANUFACTURER'S SAFETY PRECAUTIONS.

PBR HAWAII
& ASSOCIATES, INC.
1001 BISHOP STREET
AMERICAN SAVINGS BANK TOWER,
SUITE 650
HONOLULU, HAWAII 96813-3484
TEL: (808) 521-5631 FAX: (808) 523-1402
WEB: WWW.PBRHAWAII.COM
EMAIL: SYSADMIN@PBRHAWAII.COM

REVISIONS

#	Date	Description
1	03/30/26	Addendum 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

SHEET NAME
PLANTING NOTES

SCALE:

DRAWN BY	CHECKED BY
PW/AF	MS
PROJECT NO. 221093-01	SHEET NO. L407 (1)
SHEET ISSUE DATE 03/30/2026	

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

3/11/2026 9:52:29 AM

PLANT SCHEDULE

SYMBOL	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CAL	HEIGHT	TRUNK	REMARKS
TREES								
	4	BAUHINIA X BLAKEANA	HONG KONG ORCHID TREE	25 GAL.	1.5" - 2" CAL. MIN.	6` - 8` BROWN TRUNK HT.	STRAIGHT TRUNK	WELL BRANCHED, FULL CANOPY
	4	CORDIA SUBCORDATA	KOU	25 GAL.	1.5" - 2" CAL. MIN.	6` - 8` BROWN TRUNK HT.	STRAIGHT TRUNK	WELL BRANCHED, FULL CANOPY
	1	HIBISCUS TILIACEUS 'DWARF'	DWARF HAU	25 GAL.	1.5" - 2" CAL. MIN.	4` - 6` BROWN TRUNK HT.	STRAIGHT TRUNK	WELL BRANCHED, FULL CANOPY
	12	PLUMERIA OBTUSA	SINGAPORE WHITE PLUMERIA	45 GAL.	2" CAL. MIN.	10`-12` HT.	MULTI-TRUNK	WELL BRANCHED, FULL CANOPY
	3	SAPINDUS OAHUENSIS	LONOMEA	45 GAL.	2" CAL. MIN.	6` - 8` BROWN TRUNK HT.	STRAIGHT TRUNK	WELL BRANCHED, FULL CANOPY
	2	SAPINDUS SAPONARIA	MANELE	FIELD STOCK	2" CAL. MIN.	10`-12` BROWN TRUNK HT.	STRAIGHT TRUNK	WELL BRANCHED, FULL CANOPY
PALMS								
	9	WODYETIA BIFURCATA	FOXTAIL PALM	25 GAL.		6` - 8` BROWN TRUNK HT.	STRAIGHT TRUNK	CLEAN TRUNK

SYMBOL	QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	REMARKS
SHRUBS						
	25	ALOCASIA MACRORRHIZOS	APE	3 GAL.	AS SHOWN	MIN. 3 STEMS PER CONT., MIN. 12" HT.
	5	ASPLENIUM NIDUS	BIRDS NEST FERN	3 GAL.	AS SHOWN	FULL & BUSHY
	86	CORDYLINE FRUTICOSA	GREEN TI	3 GAL.	AS SHOWN	VARIOUS HTS. 3-4 FT
	46 (A)	CRINUM AUGUSTUM 'QUEEN EMMA'	'QUEEN EMMA' SPIDER LILY	3 GAL.	AS SHOWN	
	31	GARDENIA BRIGHAMII	NAU GARDENIA	1 GAL.	24" O.C.	FULL & BUSHY
	117 (A)	HIBISCUS WAIMEAE	KOKIOKEOKEO	3 GAL.	AS SHOWN	FULL & BUSHY
	213	PSEUDERANTHEMUM RETICULATUM	GOLDEN ERANTHEMUM	1 GAL.	24" O.C.	FULL & BUSHY
	236	SCAEVOLA SERICEA	NAUPAKA	3 GAL.	AS SHOWN	FULL & BUSHY
	11 (A)	SPATHIPHYLLUM WALLISII	PEACE LILY	3 GAL.	AS SHOWN	

SYMBOL	QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	REMARKS
SHRUB AREAS						
	1000 SF (A)	SCAEVOLA SERICEA	NAUPAKA	1 GAL.	36" O.C.	MIN. 18" HT., TRIANGULAR SPACING, WITH BLACK CINDER MULCH BELOW

SYMBOL	QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	REMARKS
GROUND COVERS						
	150 SF	DIANELLA TASMANICA 'VARIEGATA'	VARIEGATED DIANELLA	6" POT	12" O.C.	TRIANGULAR SPACING, WITH BLACK CINDER MULCH BELOW
	3,200 SF	MICROSORUM SCOLOPENDRIA 'DWARF'	DWARF LAUAE FERN	6" POT	12" O.C.	TRIANGULAR SPACING, WITH BLACK CINDER MULCH BELOW
	1,350 SF (A)	PLUMBAGO ZEYLANICA	ILIEE	6" POT	12" O.C.	TRIANGULAR SPACING, WITH BLACK CINDER MULCH BELOW
	1,550 SF	SIDA FALLAX	ILIMA PAPA	6" POT	12" O.C.	TRIANGULAR SPACING, WITH BLACK CINDER MULCH BELOW
	7,000 SF	VITEX ROTUNDIFOLIA	POHINAHINA	4" POT	18" O.C.	TRIANGULAR SPACING, WITH BLACK CINDER MULCH BELOW
HYDRO-MULCH SEEDING						
	28,500 SF (A)	ZOYSIA JAPONICA 'EL TORO'	'EL TORO' ZOYSIA GRASS	HYDROSPRIG		

REFERENCE NOTES SCHEDULE

DESCRIPTION	QTY
2" LAYER SOIL AMENDMENT	50,000 SF (A)
4" LAYER IMPORTED TOP SOIL	620 CY
2" LAYER BLACK CINDER MULCH	120 CY
GRAVEL MAINTENANCE STRIP 2" LAYER WITH FILTER FABRIC BELOW	2,200 SF
ROOT BARRIER	1,030 LF
ILIILI STONE LAYER WITH FABRIC BELOW	655 SF
SYNTHETIC LAWN	1,600 SF
RECYCLED COMPOSITE HEADER (BEND-A-BOARD)	2,830 LF (A)
MOSS ROCK LANDSCAPE BOULDERS, 36" - 48" DIA.	6 EA

PBR HAWAII
& ASSOCIATES, INC.
1001 BISHOP STREET
AMERICAN SAVINGS BANK TOWER,
SUITE 650
HONOLULU, HAWAI`I 96813-3484
TEL: (808) 521-5631 FAX: (808) 523-1402
WEB: WWW.PBRHAWAII.COM
EMAIL: SYSADMIN@PBRHAWAII.COM

REVISIONS

#	Date	Description
A	03/30/26	Addendum 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

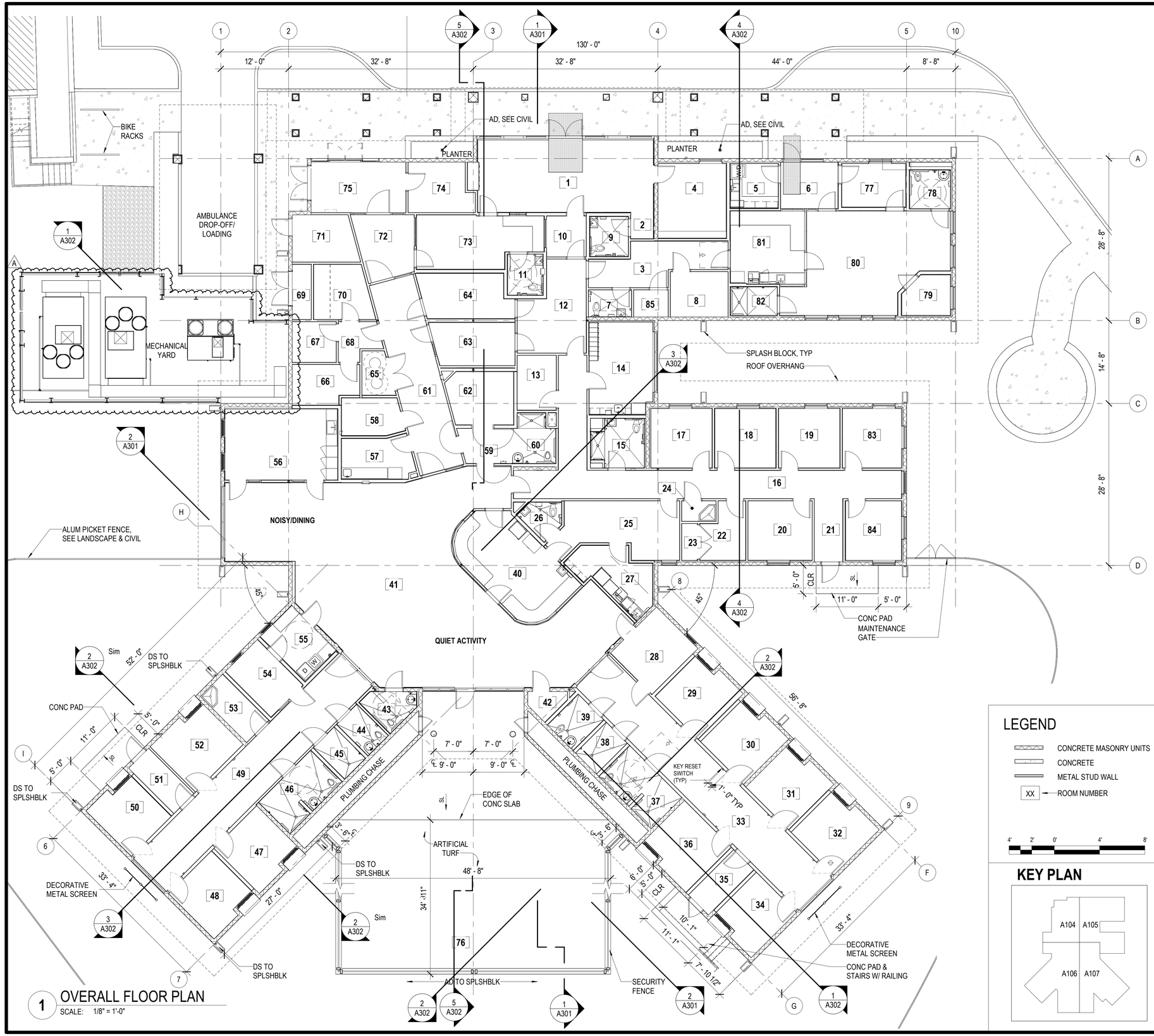
SHEET NAME
PLANT SCHEDULE

SCALE:

DRAWN BY	CHECKED BY
PW/AF	MS
PROJECT NO.	SHEET NO.
221093-01	L408 (A)
SHEET ISSUE DATE	
03/30/2026	

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

3/11/2026 9:52:29 AM



1 OVERALL FLOOR PLAN
SCALE: 1/8" = 1'-0"

LEGEND

- CONCRETE MASONRY UNITS
- CONCRETE
- METAL STUD WALL
- XX — ROOM NUMBER

4' 2' 0' 4' 8'

KEY PLAN

N
W NORTH E
S

ROOM NO.	ROOM NAME
1	IP LOBBY
2	ALCOVE
3	STAFF CORRIDOR
4	CONFERENCE
5	CR PAT BELONG
6	CR LOBBY/ WAITING
7	STAFF TLT
8	DATA ROOM
9	TLT ADA
10	SALLYPORT
11	SECURITY TLT ADA
12	CORRIDOR
13	EQUIPMENT ROOM
14	BREAK ROOM
15	TLT & SHW
16	STAFF CORRIDOR
17	OFFICE (1)
18	OFFICE (1)
19	OFFICE (1)
20	SHARED OFFICE (2)
21	EXIT 3
22	COPIER WRKRM
23	ELEC PANEL
24	HSKP
25	CHART
26	TLT
27	MED RM
28	CONSULT
29	PATIENT ROOM 6
30	PATIENT ROOM 5
31	PATIENT ROOM 3
32	PATIENT ROOM 1
33	CORRIDOR
34	PATIENT ROOM 2
35	EXIT 1
36	PATIENT ROOM 4 (ADA)
37	TLT/SHWR ADA
38	SHW
39	TLT
40	NURSE STATION
41	DAYROOM
42	TEL
43	TLT ADA
44	TLT
45	SHW
46	TLT/SHWR ADA
47	PATIENT ROOM 7
48	PATIENT ROOM 9
49	CORRIDOR
50	PATIENT ROOM 10
51	EXIT 2
52	PATIENT ROOM 8 (ADA)
53	HSKP
54	QUIET
55	LAUNDRY
56	LARGE THERAPY/ CRAFT
57	NOURISH
58	CLEAN
59	ANTE
60	TLT & SHW
61	CORRIDOR
62	SECLUSION
63	VISIT/TELE
64	VISIT/INTAKE/DISCHARGE
65	HW
66	SOILED
67	TRASH
68	VESTIBULE
69	FIRE
70	IP PAT BELONG
71	ELEC
72	SALLYPORT
73	SECURITY
74	SECURITY/ ELECTRONICS
75	TRANSPORT LOBBY
76	SECURED YARD
77	CR INTAKE/CONSULT
78	CR PATIENT TOILET
79	CR QUIET ROOM
80	CR OBSERVATION
81	CR NURSE STATION
82	CR PATIENT SHOWER
83	OFFICE (1)
84	OFFICE (1)
85	STORAGE

G70
111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

#	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET
03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

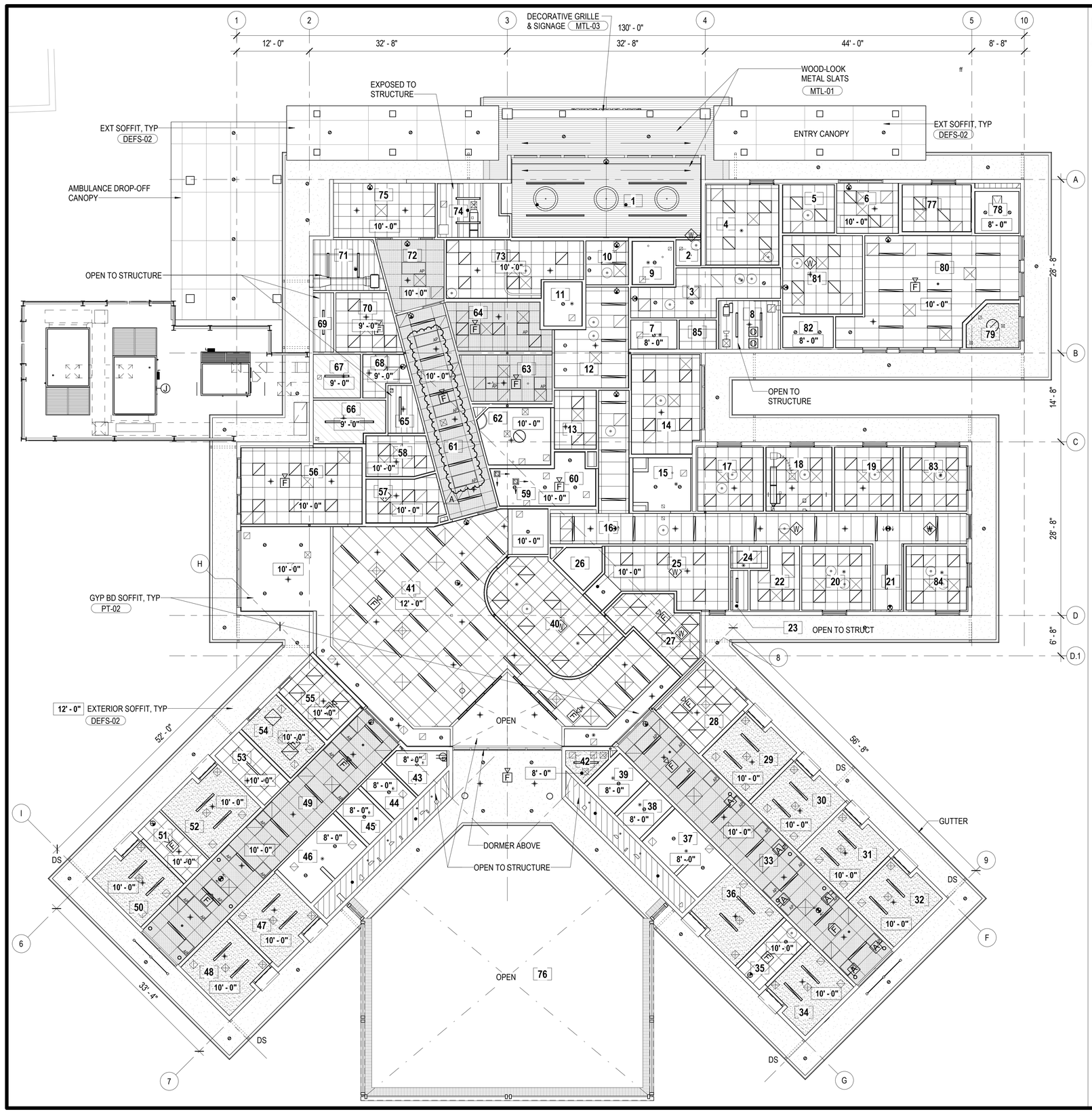
FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

SHEET NAME
OVERALL FLOOR PLAN

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

DRAWN BY	CHECKED BY
Author	Checker
PROJECT NO.	SHEET NO.
221093-01	A101
SHEET ISSUE DATE	
03/30/2026	

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt
3/30/2026 5:35:32 PM



LEGEND

GENERAL NOTE:
1. CEILING HEIGHT IS 9'-0" UON
2. SEE ELEC, FIRE AND MECH

- MT-01 WOOD LOOK CLADDING
- ACT-01 24" x 24" SUSPENDED
- ACT-02 24" x 48" SUSPENDED ACOUSTICAL TILES SECURED WITHIN PATIENT AREAS
- PT-02, PTD GYP BD, 1 LAYER
- 1" THICK ACOUSTICAL STUCCO ON GYP BD
- 1-HOUR FIRE RATED CEILING ASSEMBLY SEE DET 4/A907
- SUSPENDED SECURITY ACOUSTICAL CEILING
- EXTERIOR SOFFIT
- 4' x 8' EXTERIOR SOFFIT BOARD
- DECORATIVE PENDANT OCL LOOP 48
- 2' X 4' RECESSED LIGHT PANEL
- 2' X 2' RECESSED LIGHT PANEL
- 4" X 4' LINEAR RECESSED FIXTURE
- LINEAR PENDANT FIXTURE
- 60" DECORATIVE PENDANT FIXTURE
- RECESSED DOWNLIGHT
- FIRE SPRINKLER
- UPRIGHT FIRE SPRINKLER
- FIRE ALARM STROBE
- RETURN DIFFUSER
- SUPPLY DIFFUSER
- STROBE LIGHT
- CONCEALED VOLUME DAMPER
- CEILING ACCESS PANEL
- SECURITY CEILING ACCESS PANEL
- OCCUPANCY SENSOR

ROOM NO.	ROOM NAME
1	IP LOBBY
2	ALCOVE
3	STAFF CORRIDOR
4	CONFERENCE
5	CR PAT BELONG
6	CR LOBBY/ WAITING
7	STAFF TLT
8	DATA ROOM
9	TLT ADA
10	SALLYPORT
11	SECURITY TLT ADA
12	CORRIDOR
13	EQUIPMENT ROOM
14	BREAK ROOM
15	TLT & SHW
16	STAFF CORRIDOR
17	OFFICE (1)
18	OFFICE (1)
19	OFFICE (1)
20	SHARED OFFICE (2)
21	EXIT 3
22	COPIER WRKRM
23	ELEC PANEL
24	HSKP
25	CHART
26	TLT
27	MED RM
28	CONSULT
29	PATIENT ROOM 6
30	PATIENT ROOM 5
31	PATIENT ROOM 3
32	PATIENT ROOM 1
33	CORRIDOR
34	PATIENT ROOM 2
35	EXIT 1
36	PATIENT ROOM 4 (ADA)
37	TLT/SHWR ADA
38	SHW
39	TLT
40	NURSE STATION
41	DAYROOM
42	TEL
43	TLT ADA
44	TLT
45	SHW
46	TLT/SHWR ADA
47	PATIENT ROOM 7
48	PATIENT ROOM 9
49	CORRIDOR
50	PATIENT ROOM 10
51	EXIT 2
52	PATIENT ROOM 8 (ADA)
53	HSKP
54	QUIET
55	LAUNDRY
56	LARGE THERAPY/ CRAFT
57	NOURISH
58	CLEAN
59	ANTE
60	TLT & SHW
61	CORRIDOR
62	SECLUSION
63	VISIT/TELE
64	VISIT/INTAKE/DISCHARGE
65	HW
66	SOILED
67	TRASH
68	VESTIBULE
69	FIRE
70	IP PAT BELONG
71	ELEC
72	SALLYPORT
73	SECURITY
74	SECURITY/ ELECTRONICS
75	TRANSPORT LOBBY
76	SECURED YARD
77	CR INTAKE/CONSULT
78	CR PATIENT TOILET
79	CR QUIET ROOM
80	CR OBSERVATION
81	CR NURSE STATION
82	CR PATIENT SHOWER
83	OFFICE (1)
84	OFFICE (1)
85	STORAGE

N W NORTH E S

8' 4' 0' 8' 16'

G70

111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

#	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

SHEET NAME

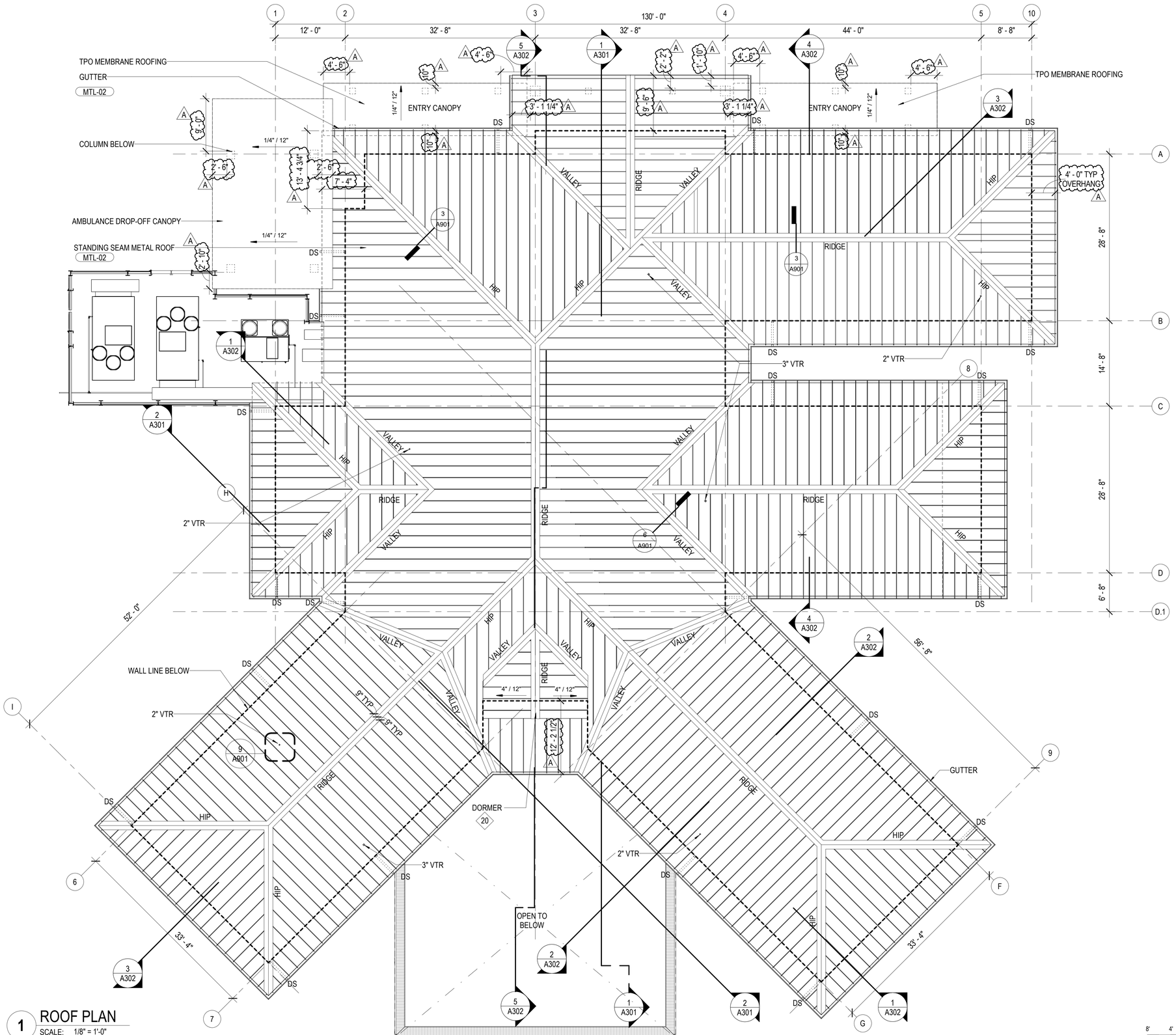
OVERALL REFLECTED CEILING PLAN

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

DRAWN BY	CHECKED BY
Author	Checker
PROJECT NO.	SHEET NO.
221093-01	A102
SHEET ISSUE DATE	
03/30/2026	

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

3/30/2026 5:35:40 PM



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

G70

111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

#	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET
03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

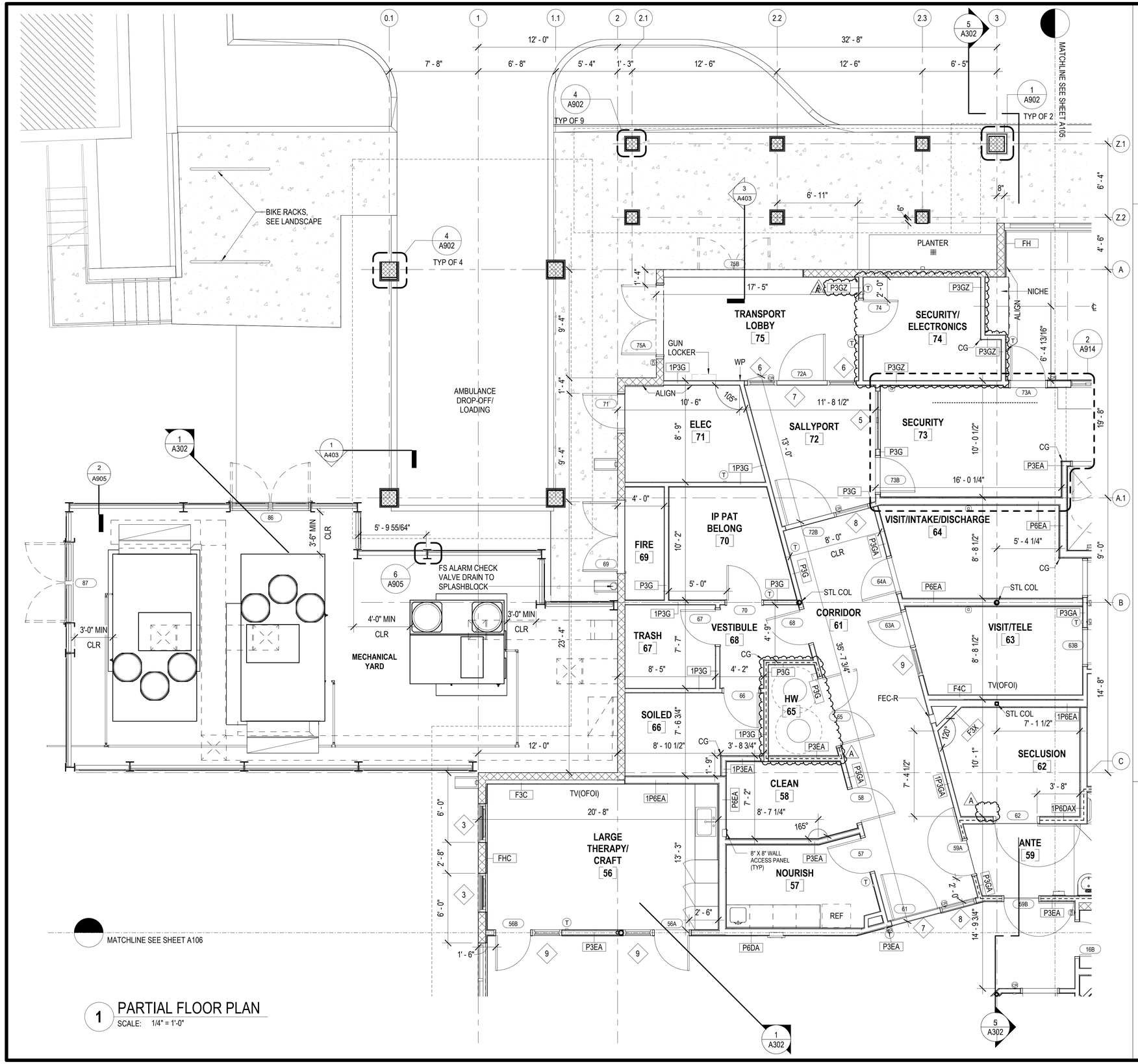
FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

SHEET NAME
OVERALL ROOF PLAN

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

DRAWN BY	CHECKED BY
Author	Checker
PROJECT NO.	SHEET NO.
221093-01	A103
SHEET ISSUE DATE	
03/30/2026	

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt
3/30/2026 5:35:42 PM



1 PARTIAL FLOOR PLAN
SCALE: 1/4" = 1'-0"

LEGEND

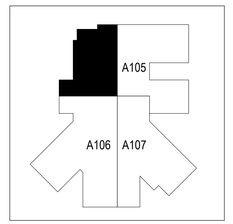
- CONCRETE MASONRY UNITS
- CONCRETE
- METAL STUD WALL
- A — 4" H CONC CURB
- XX — ROOM NUMBER, SEE SCHED A622
- XX — DOOR TYPE, SEE A701
- XX — WINDOW TYPE, SEE A801
- XXX — PARTITION TYPE, SEE A601

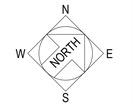
NOTES:
1. STL COL SEE STRUCT, LOCATE CENTER OF PARTITON.

GENERAL NOTES:

1. SEE OVERALL FLOOR PLAN
2. SEE INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION
3. SEE ENLARGED PLANS OF RESTROOMS AND ROOMS WITH BUILT-IN CASEWORK

KEY PLAN





4' 2' 0' 4' 8'

G70
111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

#	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET
03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

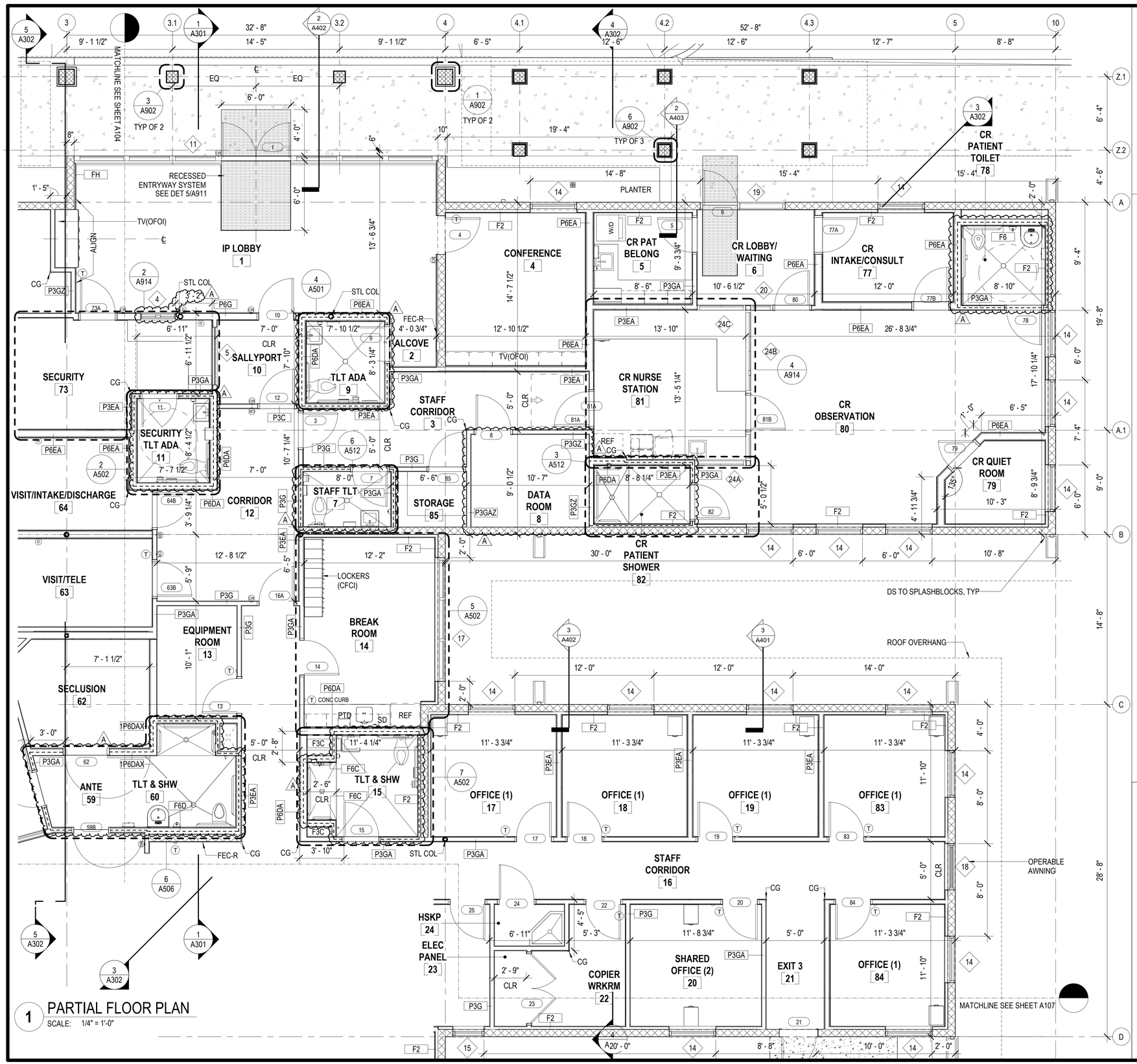
FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

SHEET NAME
PARTIAL FLOOR PLAN

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

DRAWN BY	CHECKED BY
Author	Checker
PROJECT NO.	SHEET NO.
221093-01	A104
SHEET ISSUE DATE	
03/30/2026	

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt
3/30/2026 5:35:45 PM



1 PARTIAL FLOOR PLAN
SCALE: 1/4" = 1'-0"

LEGEND

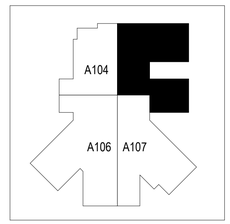
- CONCRETE MASONRY UNITS
- CONCRETE
- METAL STUD WALL
- A — 4" H CONC CURB
- XX — ROOM NUMBER, SEE SCHED A622
- XX — DOOR TYPE, SEE A701
- XX — WINDOW TYPE, SEE A801
- XXX — PARTITION TYPE, SEE A601

SEE SHEET A104 FOR TYP NOTES

GENERAL NOTES:

1. SEE OVERALL FLOOR PLAN
2. SEE INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION
3. SEE ENLARGED PLANS OF RESTROOMS AND ROOMS WITH BUILT-IN CASEWORK

KEY PLAN



G70
111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

#	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET
03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

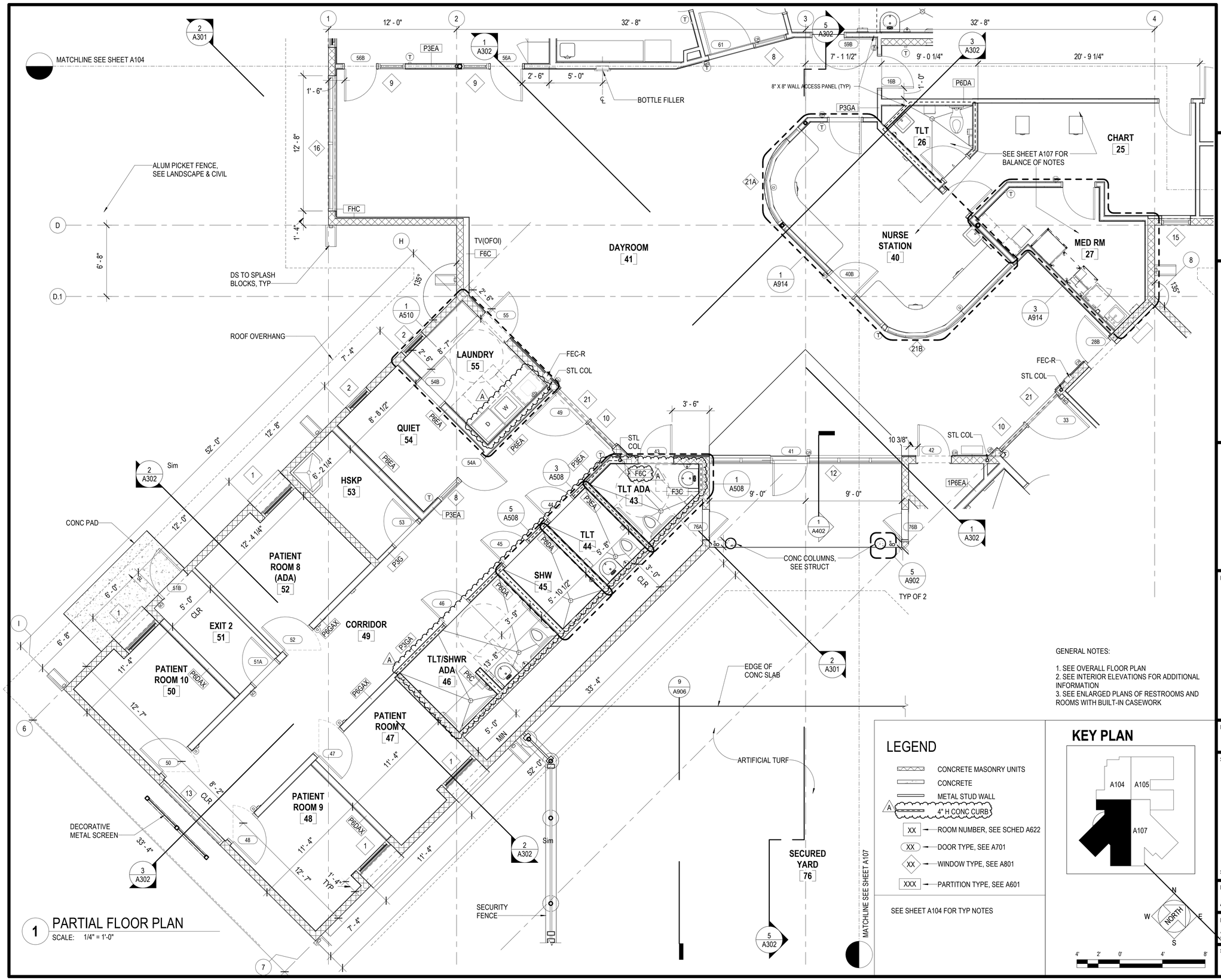
FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

SHEET NAME
PARTIAL FLOOR PLAN

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

DRAWN BY	CHECKED BY
Author	Checker
PROJECT NO.	SHEET NO.
221093-01	A105
SHEET ISSUE DATE	
03/30/2026	

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt
3/30/2026 5:35:47 PM



1 PARTIAL FLOOR PLAN
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

1. SEE OVERALL FLOOR PLAN
2. SEE INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION
3. SEE ENLARGED PLANS OF RESTROOMS AND ROOMS WITH BUILT-IN CASEWORK

LEGEND

- CONCRETE MASONRY UNITS
- CONCRETE
- METAL STUD WALL
- A — 4" H CONC CURB
- XX — ROOM NUMBER, SEE SCHED A622
- XX — DOOR TYPE, SEE A701
- XX — WINDOW TYPE, SEE A801
- XXX — PARTITION TYPE, SEE A601

SEE SHEET A104 FOR TYP NOTES

KEY PLAN

G70
111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

#	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET
03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

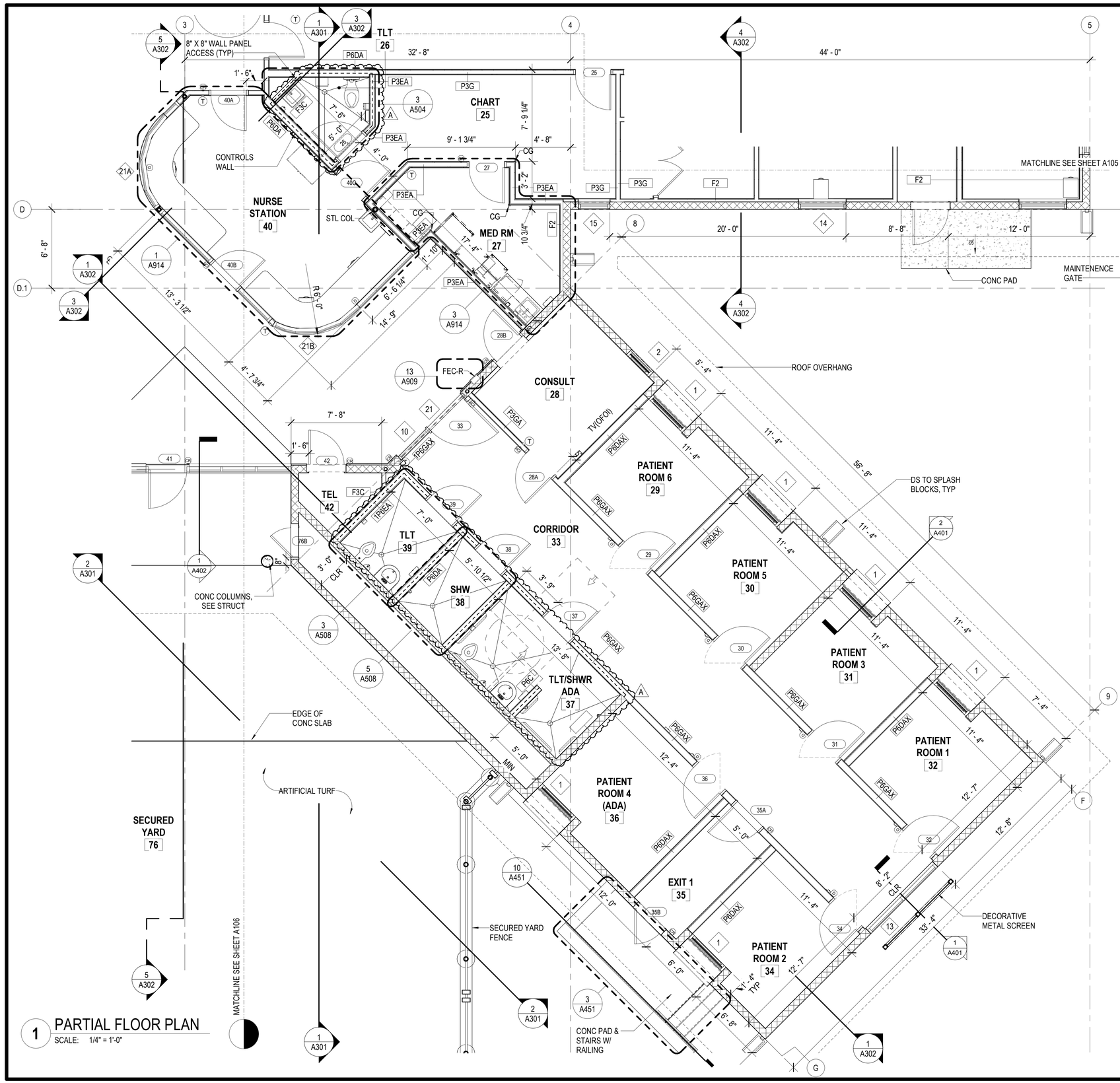
FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

SHEET NAME
PARTIAL FLOOR PLAN

SCALE: As indicated

DRAWN BY	CHECKED BY
Author	Checker
PROJECT NO.	SHEET NO.
221093-01	A106
SHEET ISSUE DATE	
03/30/2026	

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt
3/30/2026 5:35:51 PM



1 PARTIAL FLOOR PLAN
SCALE: 1/4" = 1'-0"

LEGEND

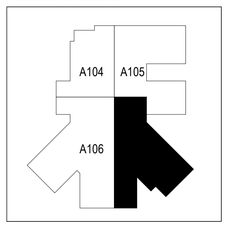
- CONCRETE MASONRY UNITS
- CONCRETE
- METAL STUD WALL
- A — 4" H CONC CURB
- XX — ROOM NUMBER, SEE SCHED A622
- XX — DOOR TYPE, SEE A701
- XX — WINDOW TYPE, SEE A801
- XXX — PARTITION TYPE, SEE A601

SEE SHEET A104 FOR TYP NOTES

GENERAL NOTES:

1. SEE OVERALL FLOOR PLAN
2. SEE INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION
3. SEE ENLARGED PLANS OF RESTROOMS AND ROOMS WITH BUILT-IN CASEWORK

KEY PLAN



G70
111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

#	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET
03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

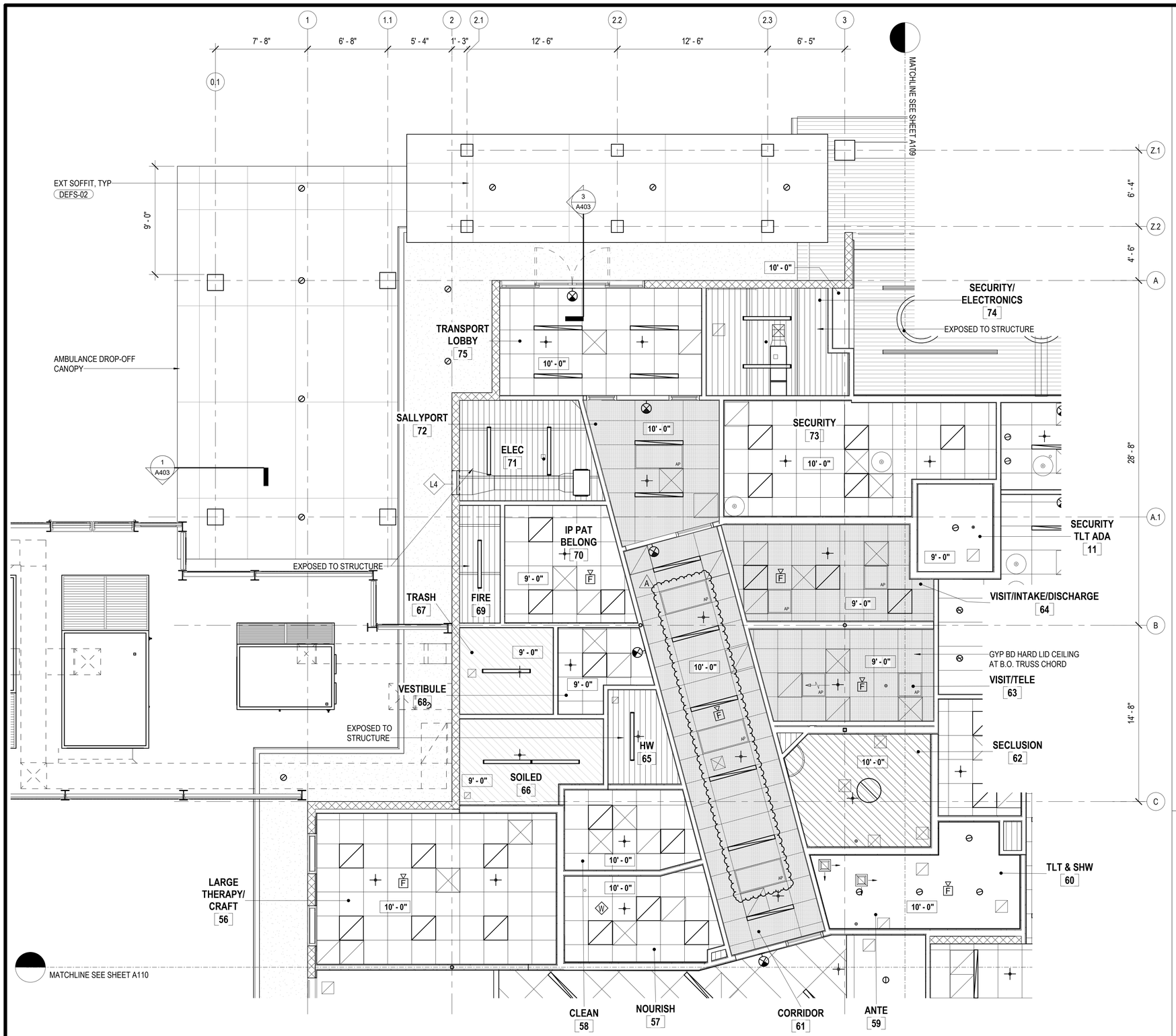
FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

SHEET NAME
PARTIAL FLOOR PLAN

SCALE: As indicated

DRAWN BY	CHECKED BY
Author	Checker
PROJECT NO.	SHEET NO.
221093-01	A107
SHEET ISSUE DATE	
03/30/2026	

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt
3/30/2026 5:35:54 PM



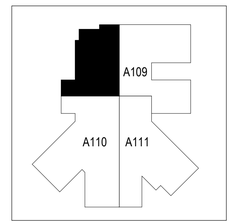
1 PARTIAL REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"

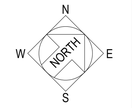
LEGEND

GENERAL NOTE:
1. CEILING HEIGHT IS 9'-0" UON
2. SEE ELEC, FIRE AND MECH

- MT-01 WOOD LOOK CLADDING
- ACT-01 24" x 24" SUSPENDED
- ACT-02 24" x 48" SUSPENDED ACOUSTICAL TILES SECURED WITHIN PATIENT AREAS
- PT-02, PTD GYP BD, 1 LAYER
- 1" THICK ACOUSTICAL STUCCO ON GYP BD
- 1-HOUR FIRE RATED CEILING ASSEMBLY SEE DET 4/A907
- SUSPENDED SECURITY ACOUSTICAL CEILING
- EXTERIOR SOFFIT
- 4' x 8' EXTERIOR SOFFIT BOARD
- DECORATIVE PENDANT OCL LOOP 48
- 2' X 4' RECESSED LIGHT PANEL
- 2' X 2' RECESSED LIGHT PANEL
- 4" X 4' LINEAR RECESSED FIXTURE
- LINEAR PENDANT FIXTURE
- 60" DECORATIVE PENDANT FIXTURE
- RECESSED DOWNLIGHT
- FIRE SPRINKLER
- UPRIGHT FIRE SPRINKLER
- FIRE ALARM STROBE
- RETURN DIFFUSER
- SUPPLY DIFFUSER
- STROBE LIGHT
- CONCEALED VOLUME DAMPER
- CEILING ACCESS PANEL
- SECURITY CEILING ACCESS PANEL
- OCCUPANCY SENSOR

KEY PLAN





4' 2' 0' 4' 8'

G70
111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

#	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET
03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

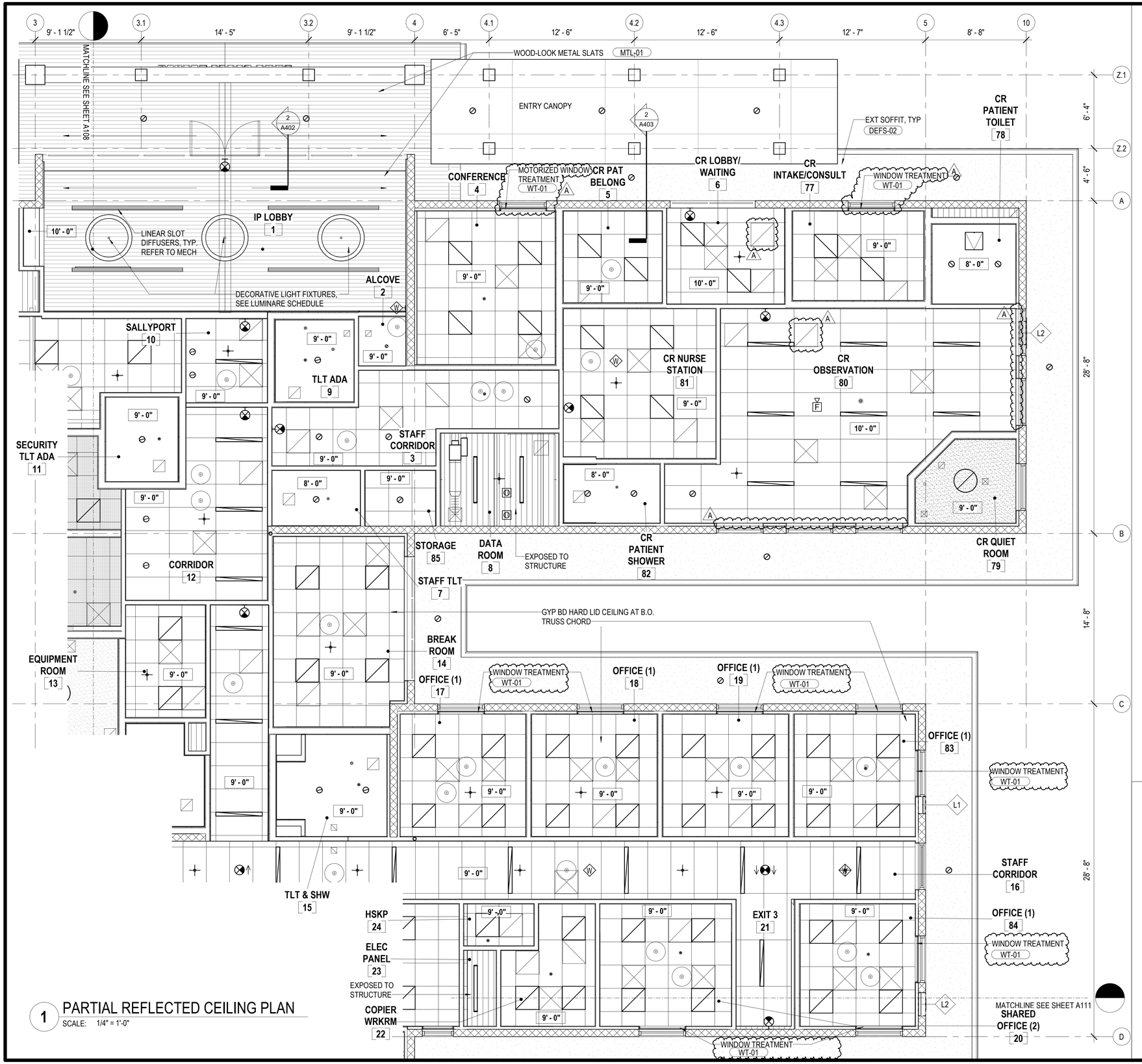
FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

SHEET NAME
PARTIAL REFLECTED CEILING PLAN

SCALE: As indicated

DRAWN BY	CHECKED BY
Author	Checker
PROJECT NO.	SHEET NO.
221093-01	A108
SHEET ISSUE DATE	
03/30/2026	

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt
3/30/2026 5:35:57 PM



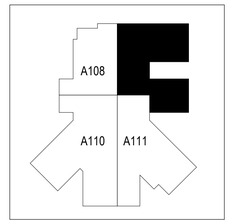
1 PARTIAL REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"

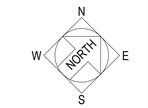
LEGEND

GENERAL NOTE:
1. CEILING HEIGHT IS 9'-0" UON
2. SEE ELEC, FIRE AND MECH

- MT-01 WOOD LOOK CLADDING
- ACT-01 24" x 24" SUSPENDED
- ACT-02 24" x 48" SUSPENDED ACOUSTICAL TILES SECURED WITHIN PATIENT AREAS
- PT-02, PTD GYP BD, 1 LAYER
- 1" THICK ACOUSTICAL STUCCO ON GYP BD
- 1-HOUR FIRE RATED CEILING ASSEMBLY SEE DET 4/A907
- SUSPENDED SECURITY ACOUSTICAL CEILING
- EXTERIOR SOFFIT
- 4' x 8' EXTERIOR SOFFIT BOARD
- DECORATIVE PENDANT OCL LOOP 48
- 2' X 4' RECESSED LIGHT PANEL
- 2' X 2' RECESSED LIGHT PANEL
- 4" X 4' LINEAR RECESSED FIXTURE
- LINEAR PENDANT FIXTURE
- 60" DECORATIVE PENDANT FIXTURE
- RECESSED DOWNLIGHT
- FIRE SPRINKLER
- UPRIGHT FIRE SPRINKLER
- FIRE ALARM STROBE
- RETURN DIFFUSER
- SUPPLY DIFFUSER
- STROBE LIGHT
- CONCEALED VOLUME DAMPER
- CEILING ACCESS PANEL
- SECURITY CEILING ACCESS PANEL
- OCCUPANCY SENSOR

KEY PLAN





4' 2' 0' 4' 8'

G70
111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

#	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET
03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

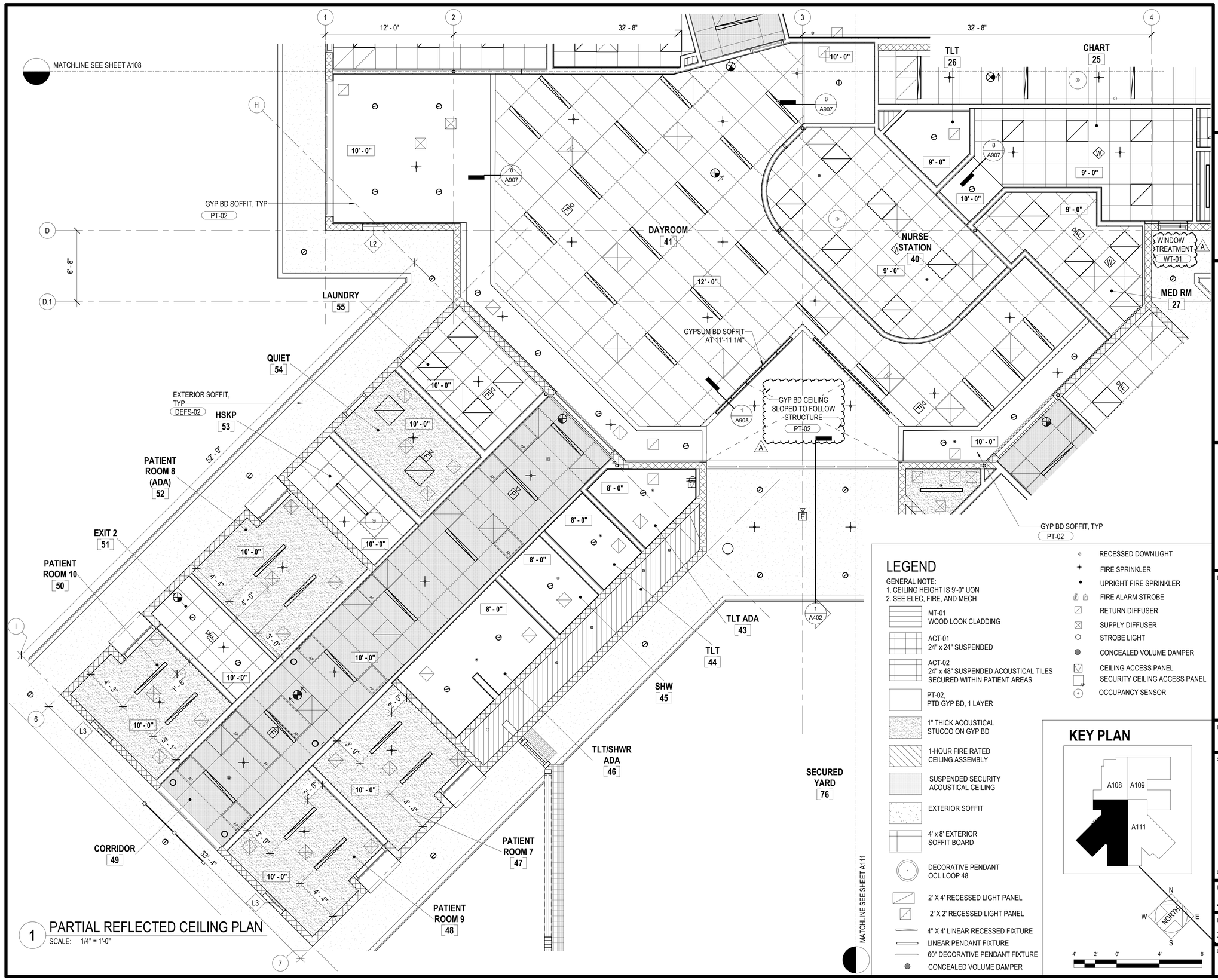
FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

SHEET NAME
PARTIAL REFLECTED CEILING PLAN

SCALE: As indicated

DRAWN BY	CHECKED BY
Author	Checker
PROJECT NO.	SHEET NO.
221093-01	A109
SHEET ISSUE DATE	
03/30/2026	

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt
3/30/2026 5:36:00 PM



1 PARTIAL REFLECTED CEILING PLAN

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

LEGEND

GENERAL NOTE:
1. CEILING HEIGHT IS 9'-0" UON
2. SEE ELEC, FIRE, AND MECH

- MT-01 WOOD LOOK CLADDING
- ACT-01 24" x 24" SUSPENDED
- ACT-02 24" x 48" SUSPENDED ACOUSTICAL TILES SECURED WITHIN PATIENT AREAS
- PT-02, PTD GYP BD, 1 LAYER
- 1" THICK ACOUSTICAL STUCCO ON GYP BD
- 1-HOUR FIRE RATED CEILING ASSEMBLY
- SUSPENDED SECURITY ACOUSTICAL CEILING
- EXTERIOR SOFFIT
- 4' x 8' EXTERIOR SOFFIT BOARD
- DECORATIVE PENDANT OCL LOOP 48
- 2' X 4' RECESSED LIGHT PANEL
- 2' X 2' RECESSED LIGHT PANEL
- 4" X 4' LINEAR RECESSED FIXTURE
- LINEAR PENDANT FIXTURE
- 60" DECORATIVE PENDANT FIXTURE
- CONCEALED VOLUME DAMPER
- RECESSED DOWNLIGHT
- FIRE SPRINKLER
- UPRIGHT FIRE SPRINKLER
- FIRE ALARM STROBE
- RETURN DIFFUSER
- SUPPLY DIFFUSER
- STROBE LIGHT
- CONCEALED VOLUME DAMPER
- CEILING ACCESS PANEL
- SECURITY CEILING ACCESS PANEL
- OCCUPANCY SENSOR

KEY PLAN

G70
111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

#	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET
03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

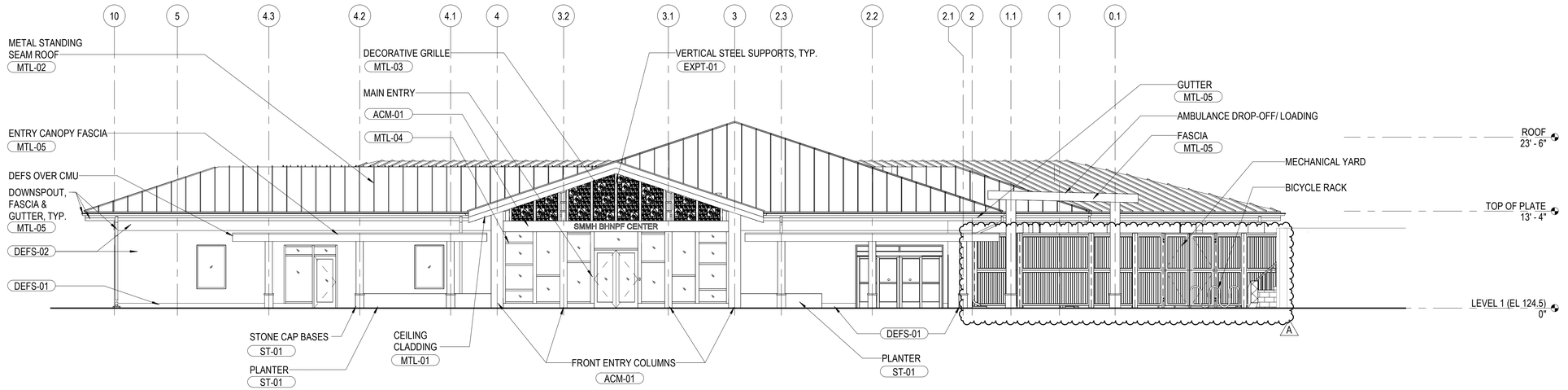
FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

SHEET NAME
PARTIAL REFLECTED CEILING PLAN

SCALE: As indicated

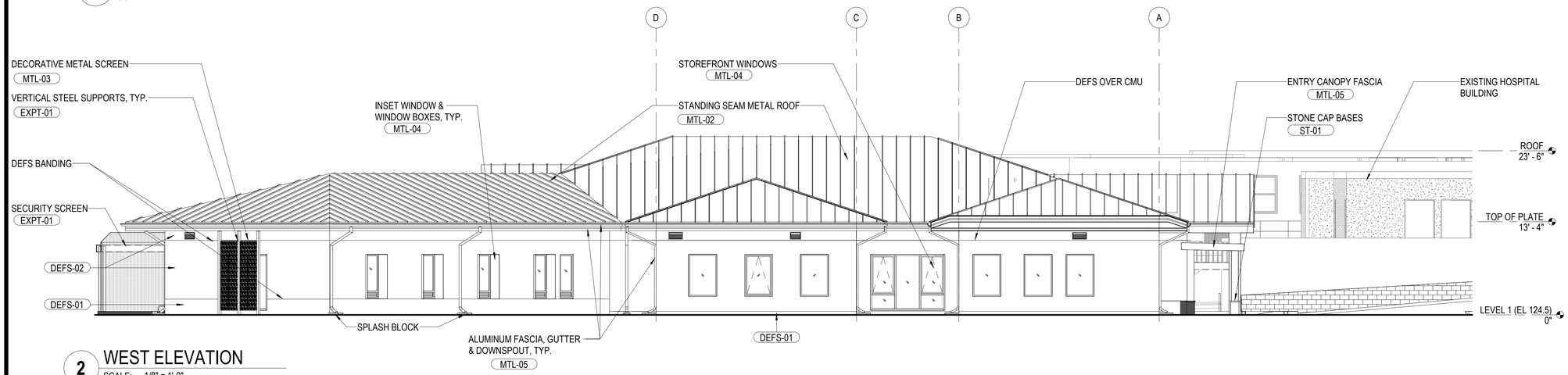
DRAWN BY	CHECKED BY
Author	Checker
PROJECT NO.	SHEET NO.
221093-01	A110
SHEET ISSUE DATE	
03/30/2026	

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt
3/30/2026 5:36:05 PM



1 SOUTH ELEVATION

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



2 WEST ELEVATION

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

EXTERIOR FINISH SCHEDULE

FINISH TAG	MATERIAL DESCRIPTION	MANUFACTURER	MATERIAL NAME	MATERIAL SIZE	MATERIAL FINISH	NO/COLOR	LOCATION USED/REMARKS
ACM-01	ALUMINUM COMPOSITE PANEL	AL13	AL13 PANEL SYSTEM	--	-	TIRANO WALNUT	FRONT ENTRY COLUMNS, FRONT ENTRY BEAM
DEFS-01	FINISH COAT ON DEFS	STO CORP	CLASSIC COLOR COLLECTION	-	-	OATMEAL 20905	BUILDING EXTERIOR BASE
DEFS-02	FINISH COAT ON DEFS	STO CORP	CLASSIC COLOR COLLECTION	-	-	FRENCH VANILLA 10609	BUILDING EXTERIOR WALL BODY PAINT, EXTERIOR SOFFIT
EXPT-01	EXTERIOR PAINT ON STEEL	SHERWIN WILLIAMS	SEE SPEC	--	SEMI-GLOSS	QUIVER TAN #6151	PARASOLEIL SCREEN STEEL SUPPORTS; DOWNSPOUTS, GUTTERS & FASCIA; SECURITY FENCE; EXT HM DOORS & FRAMES
MTL-01	WOOD-LOOK METAL CEILING	ARMSTRONG	METALWORKS LINEAR SYNCHRO	SEE RCP	M1 - UNPERFORATED	EFFECTS CHERRY EXTERIOR FXCH2	EXTERIOR SUSPENDED CEILING AT ENTRY & LOBBY
MTL-02	PVDF-COATED ALUMINUM ROOFING	PAC-CLAD PETERSEN	SNAP-CLAD	SEE SPEC	SEE SPEC	SLATE GRAY 614374	STANDING SEAM METAL ROOFING
MTL-03	DECORATIVE GRILLES	PARASOLEIL	--	SEE SPEC	SEE SPEC	LIBERTY VERDIGRIS	PARASOLEIL DECORATIVE SCREENS
MTL-04	PVDF-COATED ALUMINUM	SHERWIN WILLIAMS	FLUROPON	SEE SPEC	SEE SPEC	COLOR MATCH TO ARCADIA ANODIZED CHAMPAGNE AB-2	ALL EXTERIOR ALUMINUM WINDOWS & DOORS, WINDOW BOXES
MTL-05	PVDF-COATED ALUMINUM	SHERWIN WILLIAMS	FLUROPON	SEE SPEC	SEE SPEC	QUIVER TAN #6151	DOWNSPOUTS, GUTTERS & FASCIA
ST-01	STONE	BIG ROCK HAWAII	MOSS ROCK VENEER	--	STAINED	--	PLANTER/ ROCK WALL/ EXTERIOR COLUMNS

8' 4' 0' 8' 16'

G70

111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

#	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

SHEET NAME
EXTERIOR ELEVATIONS

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

DRAWN BY
Author

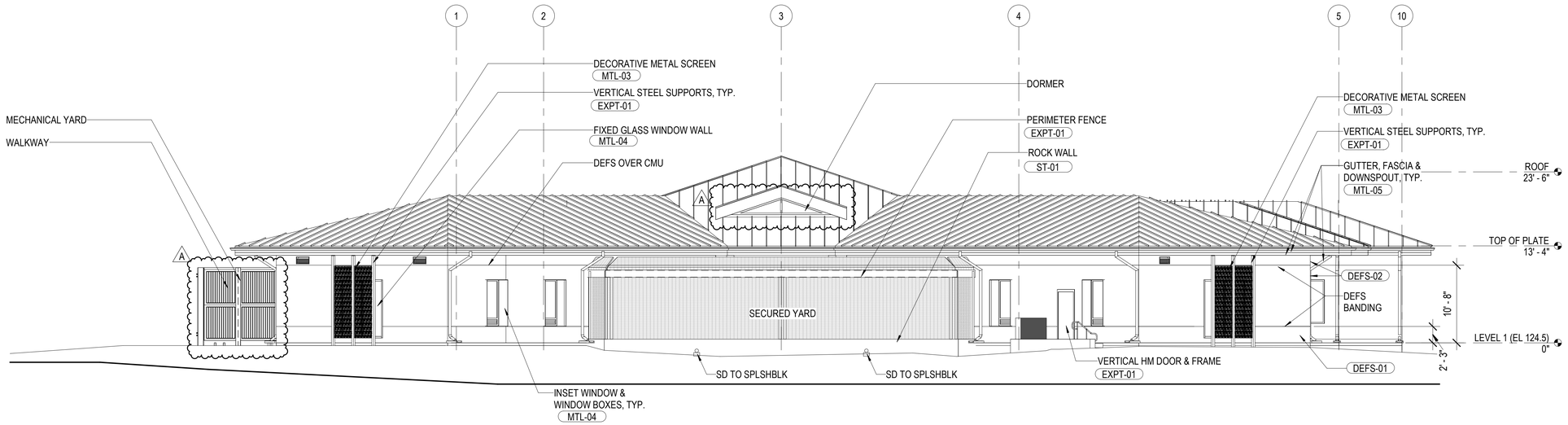
CHECKED BY
Checker

PROJECT NO.
221093-01

SHEET NO.
A201

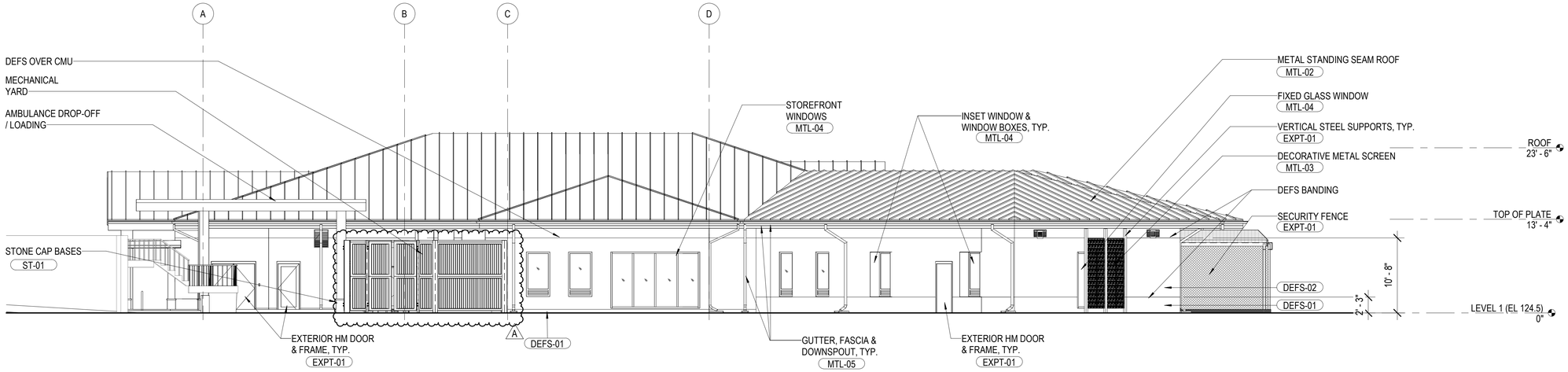
SHEET ISSUE DATE
03/30/2026

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt
3/30/2026 5:36:10 PM



1 NORTH ELEVATION

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



2 EAST ELEVATION

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

8' 4' 0' 8' 16'

G70

111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

#	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

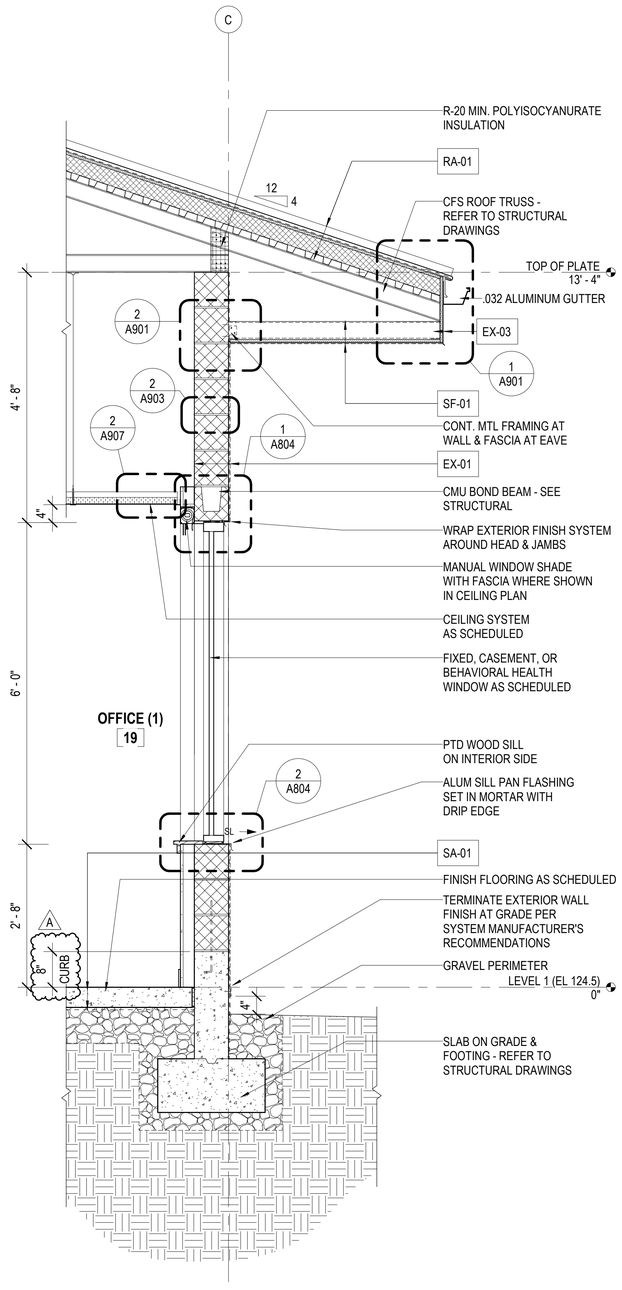
SHEET NAME
EXTERIOR ELEVATIONS

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

DRAWN BY	CHECKED BY
Author	Checker
PROJECT NO.	SHEET NO.
221093-01	A202
SHEET ISSUE DATE	
03/30/2026	

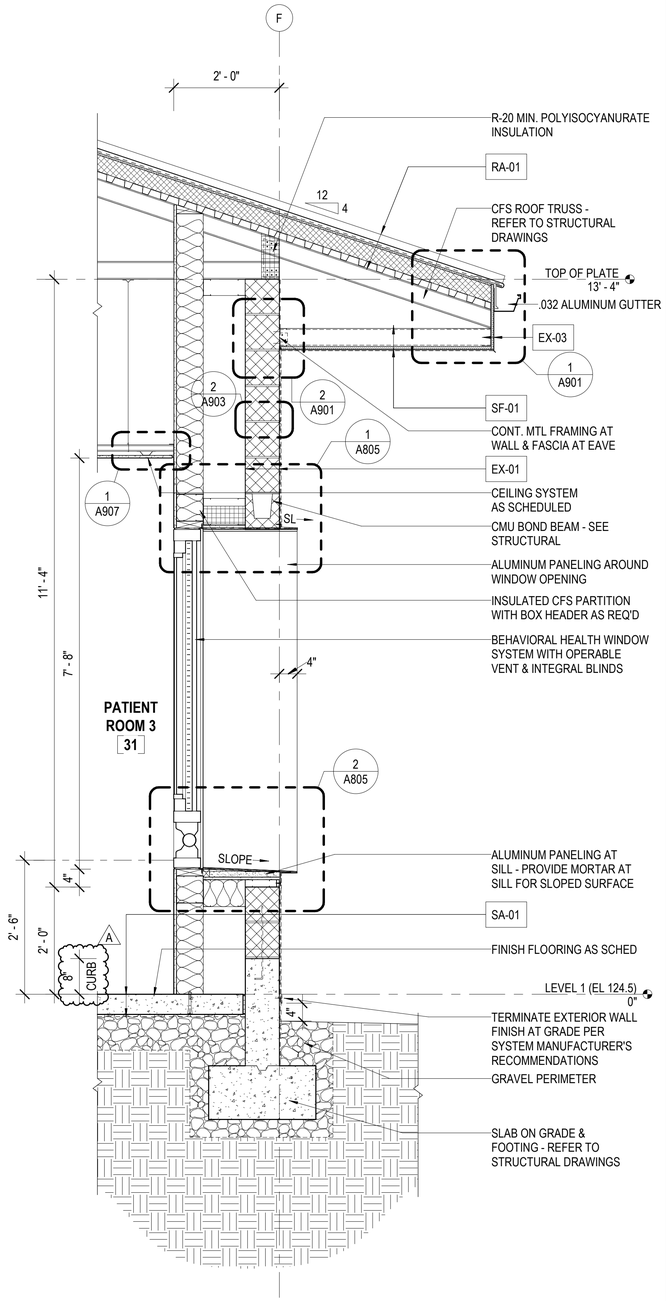
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

3/30/2026 5:36:14 PM



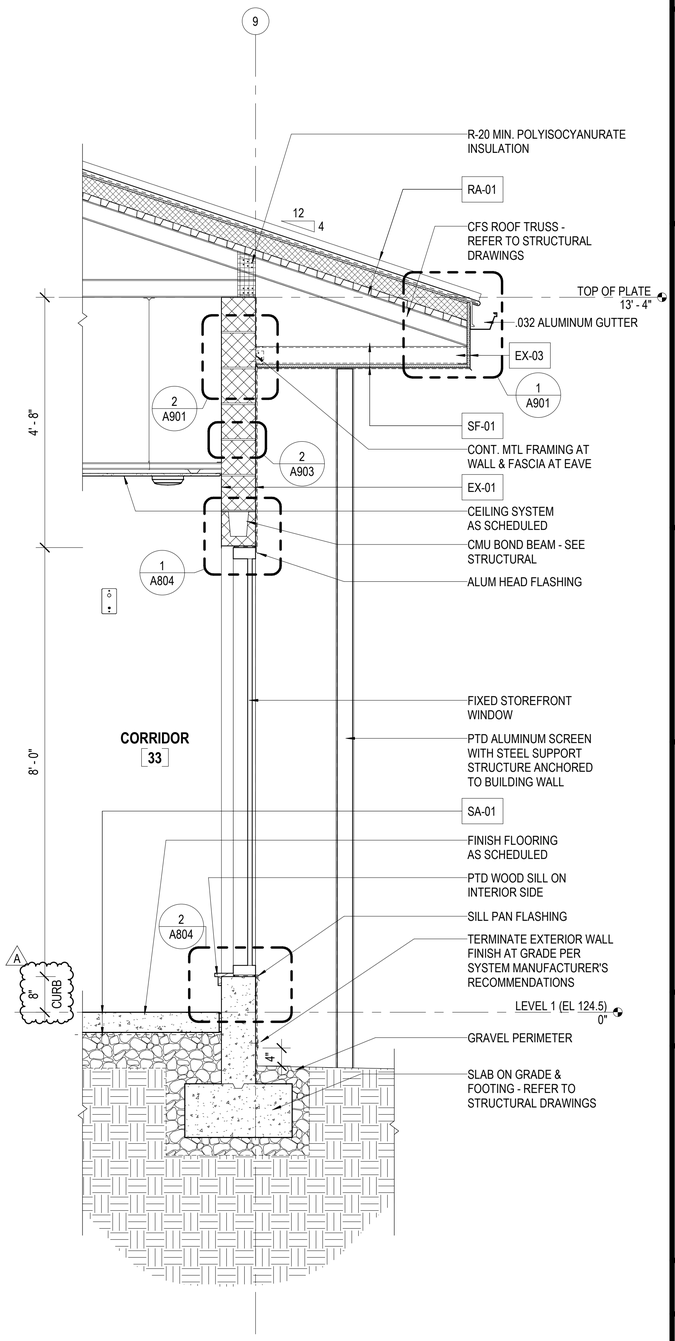
3 TYP WINDOW IN CMU WALL SECTION

SCALE: 3/4" = 1'-0"



2 TYP BEHAVIORAL HEALTH WINDOW WALL SECTION

SCALE: 3/4" = 1'-0"



1 TYP STOREFRONT WINDOW WALL SECTION

SCALE: 3/4" = 1'-0"

G70

111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

#	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

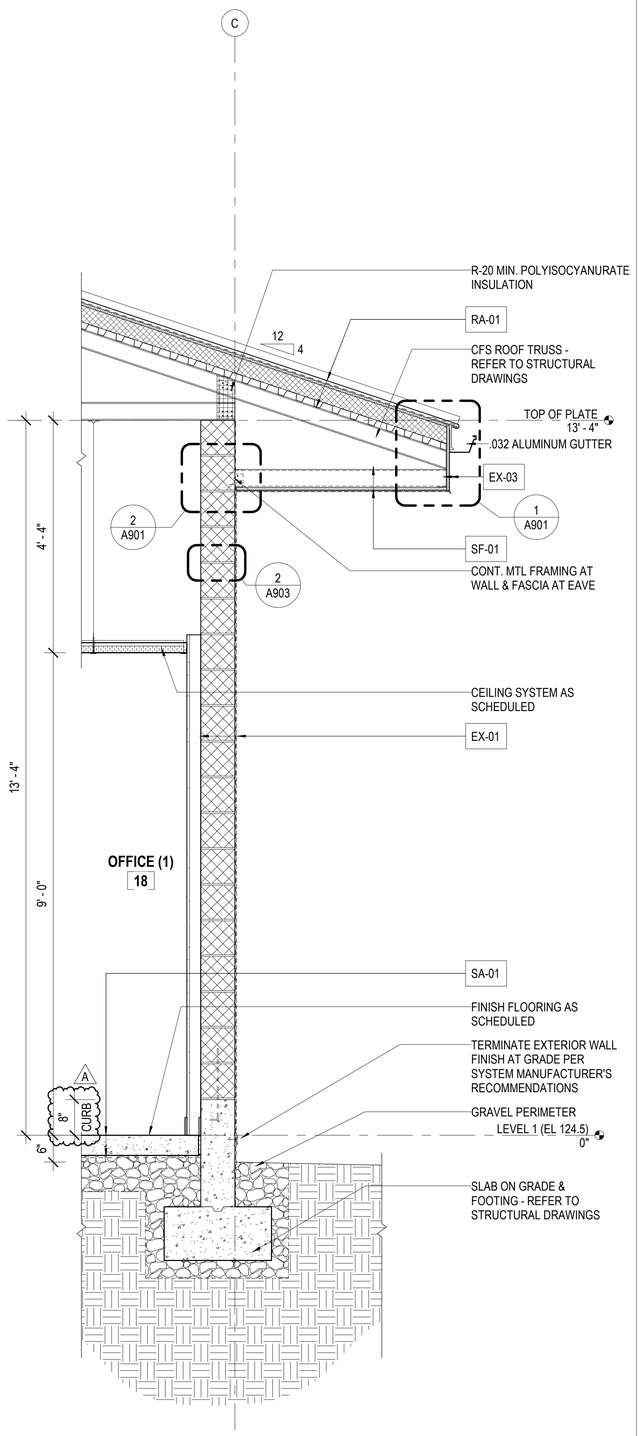
SHEET NAME
WALL SECTIONS

SCALE: 3/4" = 1'-0"

DRAWN BY	CHECKED BY
Author	Checker
PROJECT NO.	SHEET NO.
221093-01	A401
SHEET ISSUE DATE	
03/30/2026	

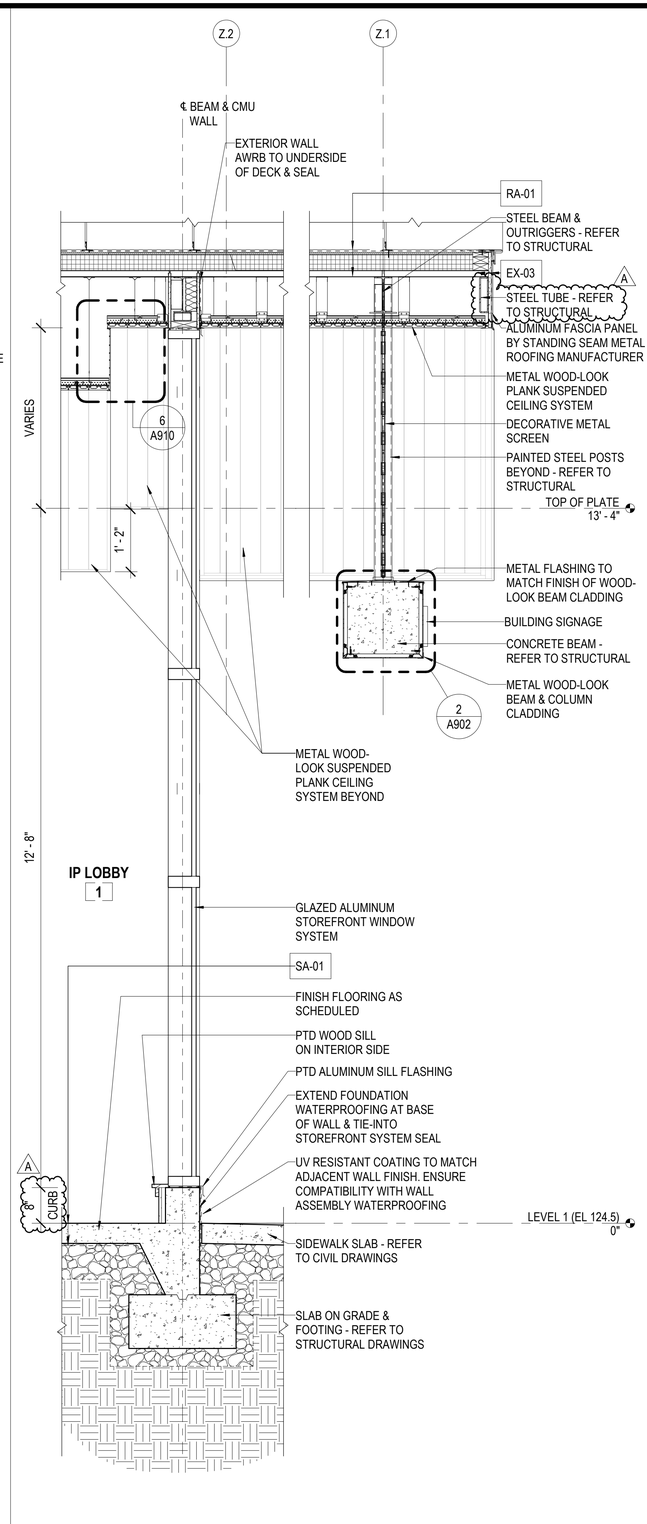
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

3/30/2026 5:36:16 PM



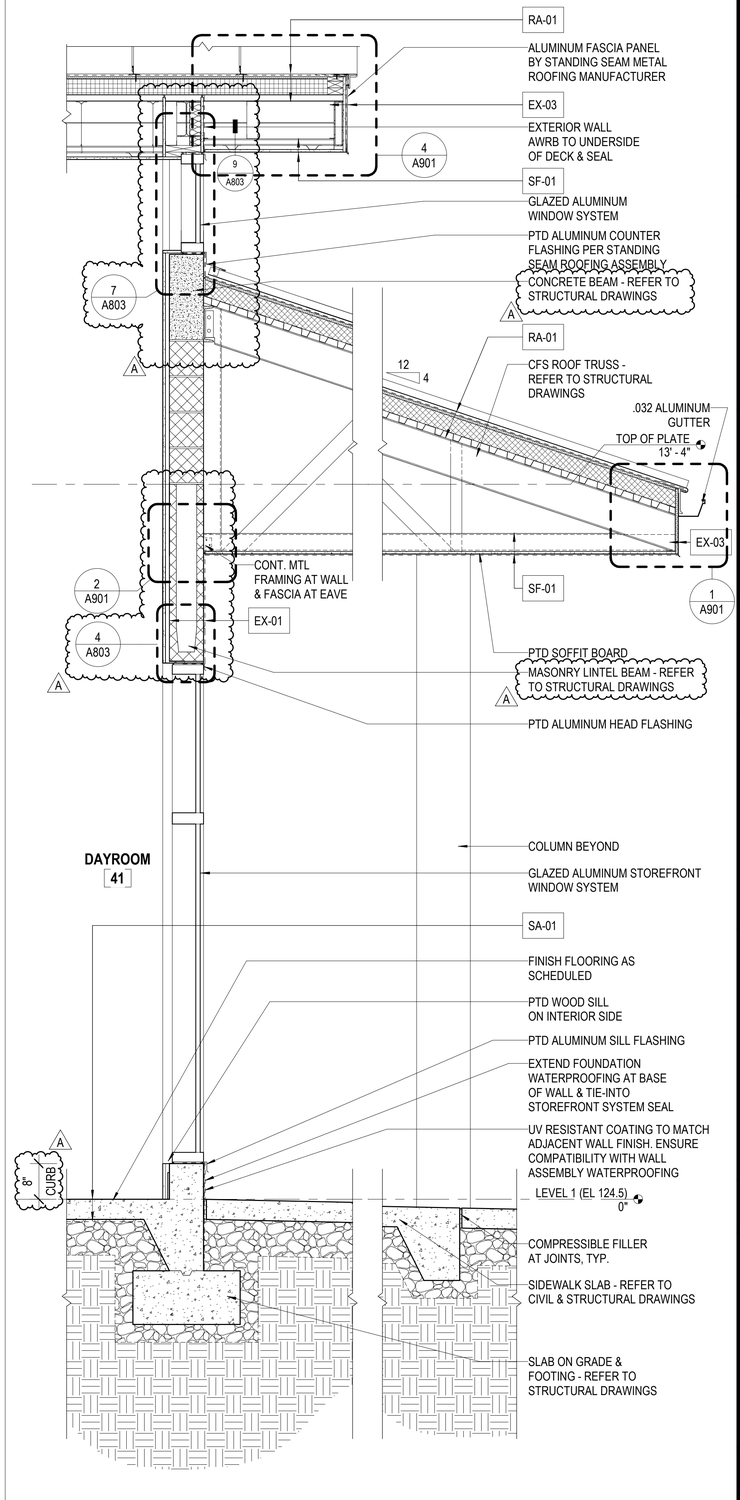
3 TYP EXTERIOR WALL SECTION

SCALE: 3/4" = 1'-0"



2 MAIN ENTRANCE STOREFRONT SECTION

SCALE: 3/4" = 1'-0"



1 DAYROOM DORMER & ROOF SECTION

SCALE: 3/4" = 1'-0"

G70

111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

#	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

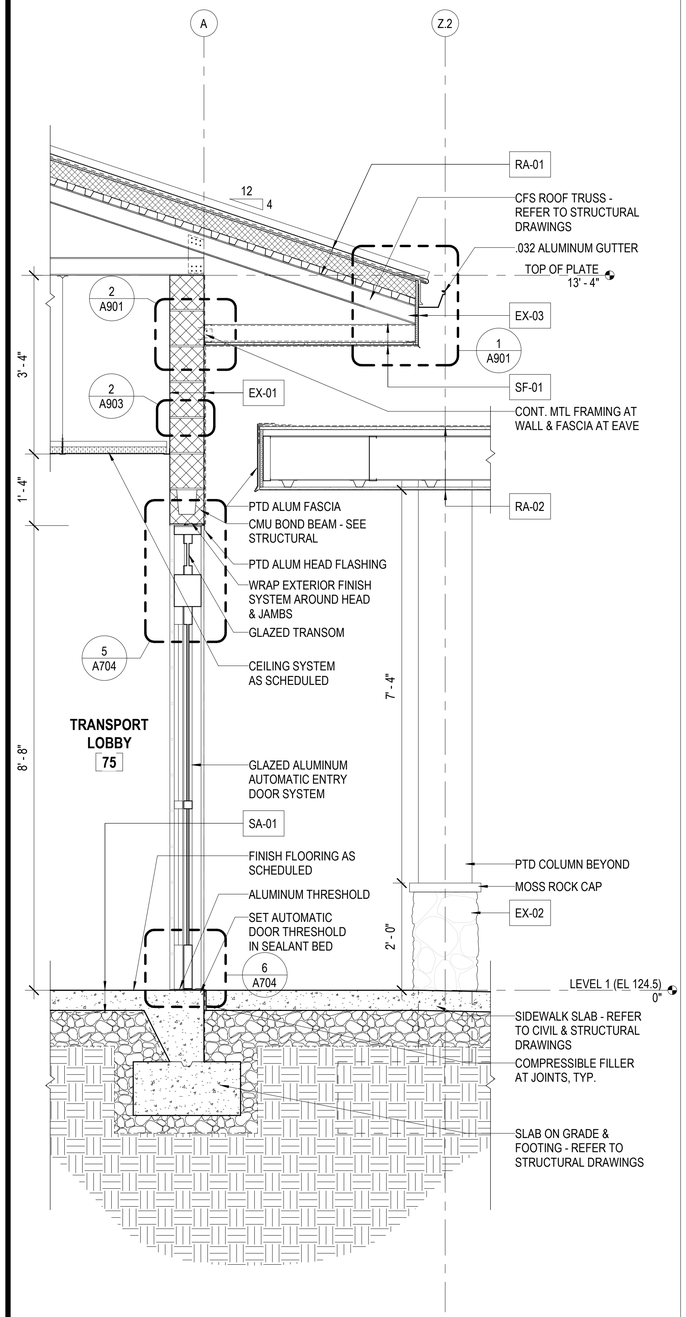
SHEET NAME
WALL SECTIONS

SCALE: 3/4" = 1'-0"

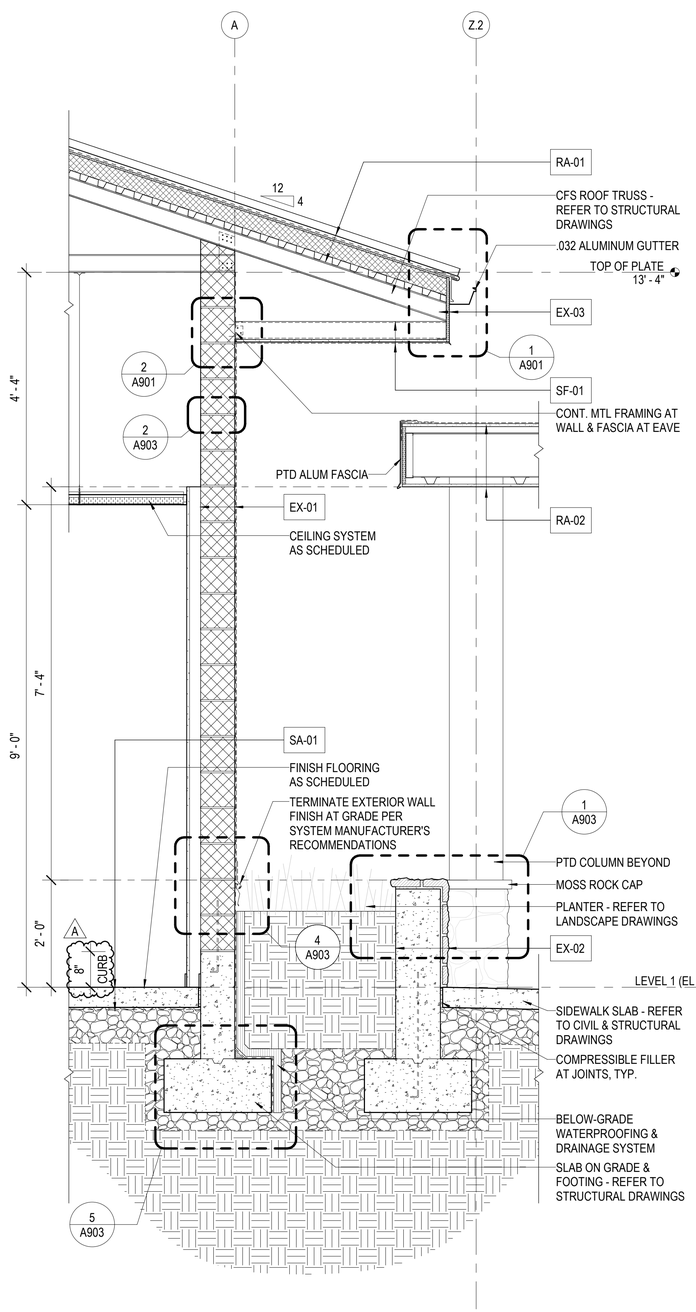
DRAWN BY	CHECKED BY
Author	Checker
PROJECT NO.	SHEET NO.
221093-01	A402
SHEET ISSUE DATE	
03/30/2026	

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

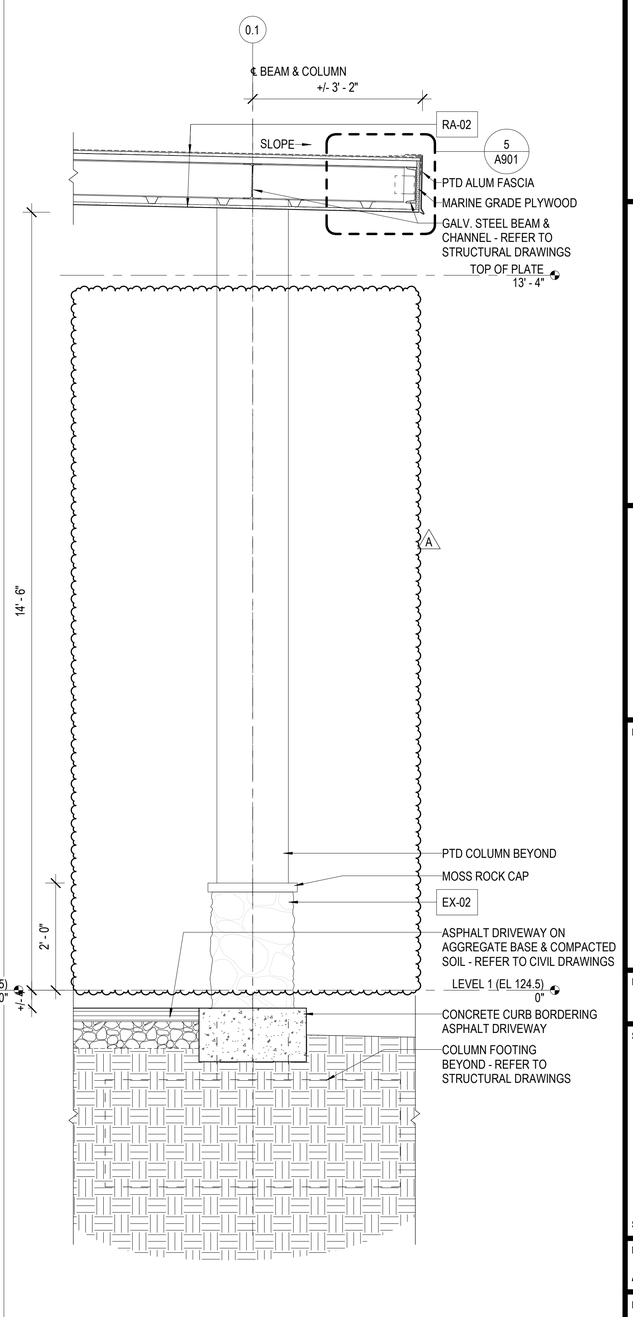
3/30/2026 5:36:18 PM



3 TRANSPORT LOBBY ENTRANCE SECTION
SCALE: 3/4" = 1'-0"



2 TYP SECTION AT ENTRY PLANTER
SCALE: 3/4" = 1'-0"



1 AMBULANCE CANOPY SECTION
SCALE: 3/4" = 1'-0"

G70
111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

#	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET
03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

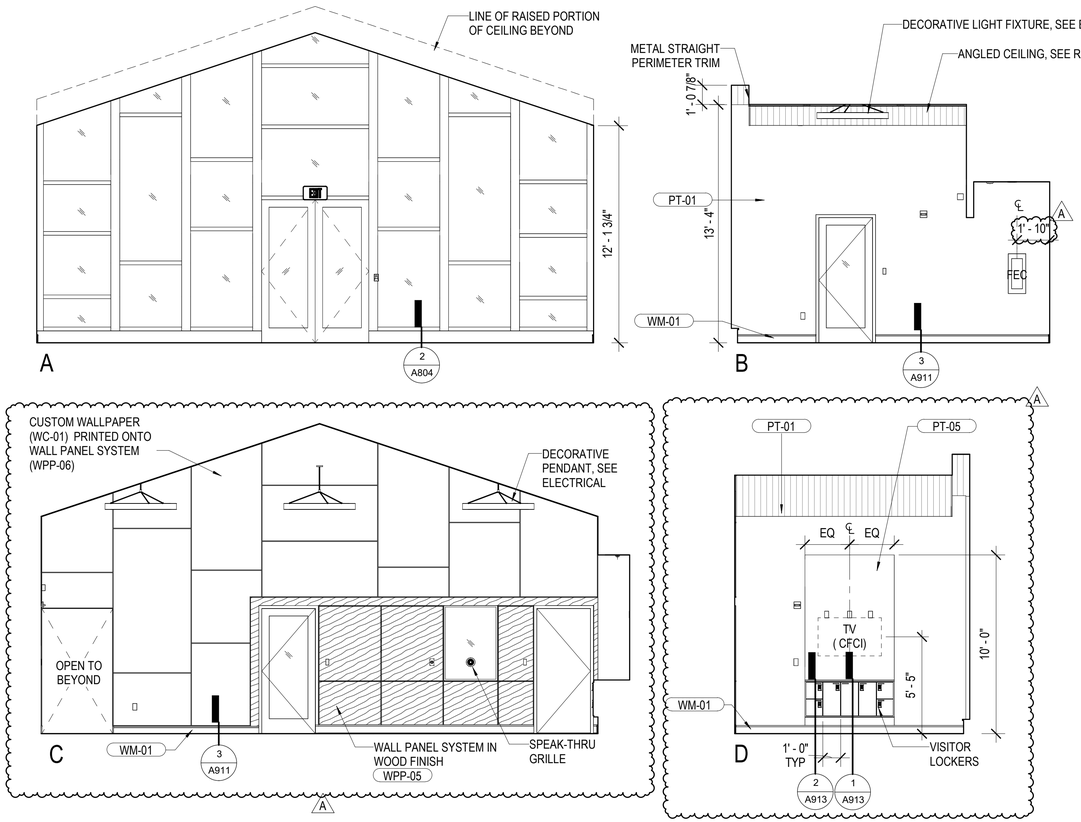
FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

SHEET NAME
WALL SECTIONS

SCALE: 3/4" = 1'-0"

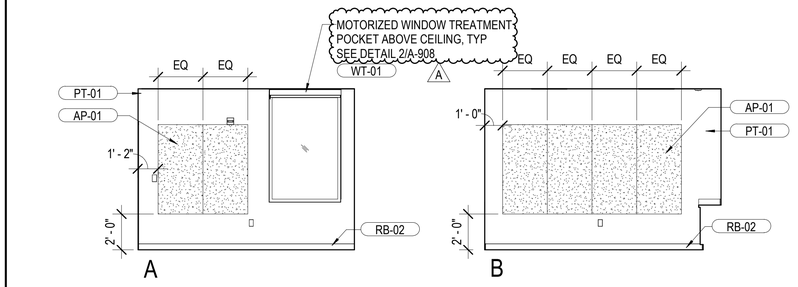
DRAWN BY	CHECKED BY
Author	Checker
PROJECT NO.	SHEET NO.
221093-01	A403
SHEET ISSUE DATE	
03/30/2026	

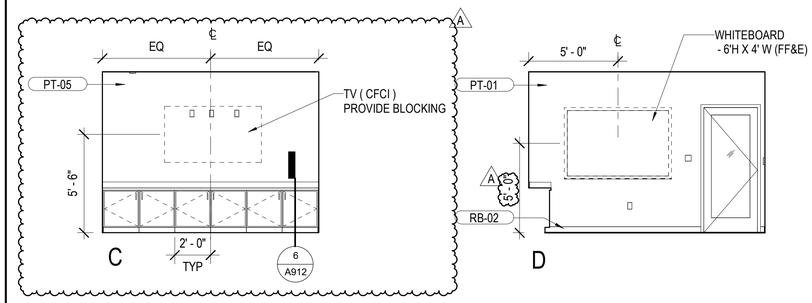
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt
3/30/2026 5:36:20 PM



1 IP LOBBY (RM 1)

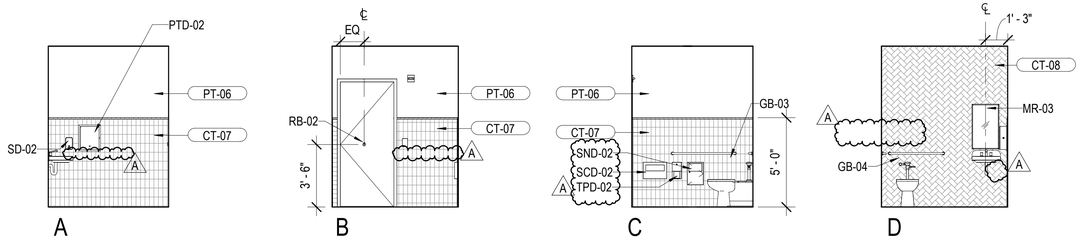
SCALE: 1/4" = 1'-0"





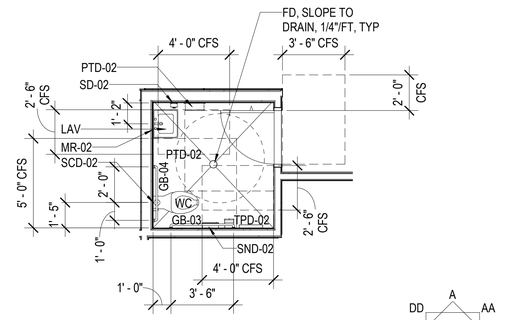
2 CONFERENCE ROOM (RM 4)

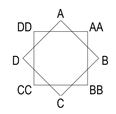
SCALE: 1/4" = 1'-0"



3 PUBLIC TOILET ADA (RM 9)

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





4 PUBLIC TLT ADA (RM 9) - PLAN

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

GENERAL NOTES:
1. SEE OVERALL PLAN AND ENLARGED PLANS AND RCP FOR REFERENCE
2. SEE FINISH SCHEDULES AND ROOM FINISH SCHEDULE
3. SEE SPECIFICATIONS FOR ACCESSORY SCHEDULES AND SPEC
4. FURNITURE, IF SHOWN IS FOR REFERENCE AND ASSUMED NIC AND TO BE PROVIDED BY OTHER
5. ALL DIMS ARE SHOWN AS A.F.F.

G70

111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

#	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

SHEET NAME
ENLARGED PLANS AND INTERIOR ELEVATIONS

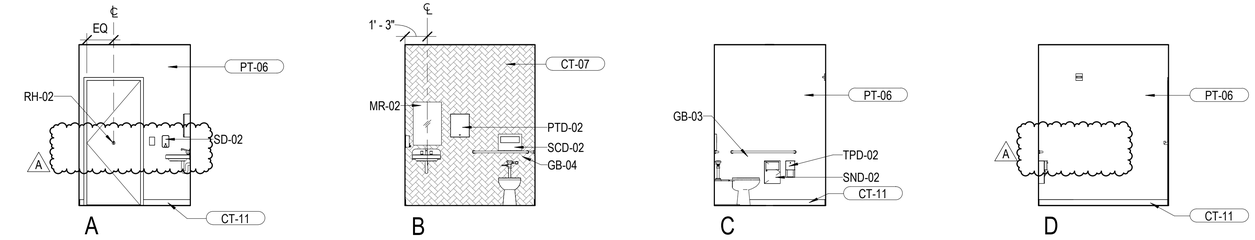
SCALE: 1/4" = 1'-0"

DRAWN BY	CHECKED BY
Author	Checker

PROJECT NO.	SHEET NO.
221093-01	A501

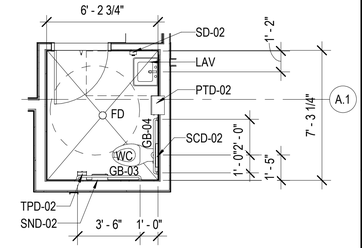
SHEET ISSUE DATE
03/30/2026

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt
3/30/2026 5:36:26 PM



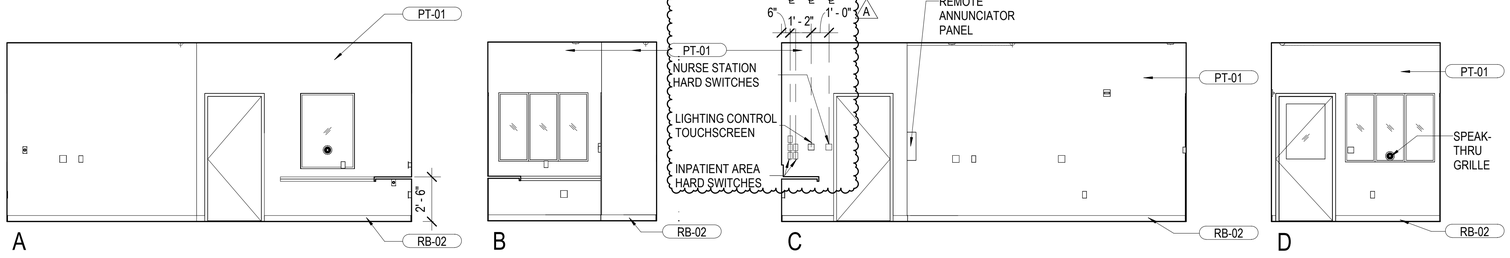
1 SECURITY TLT ADA (RM 11)

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



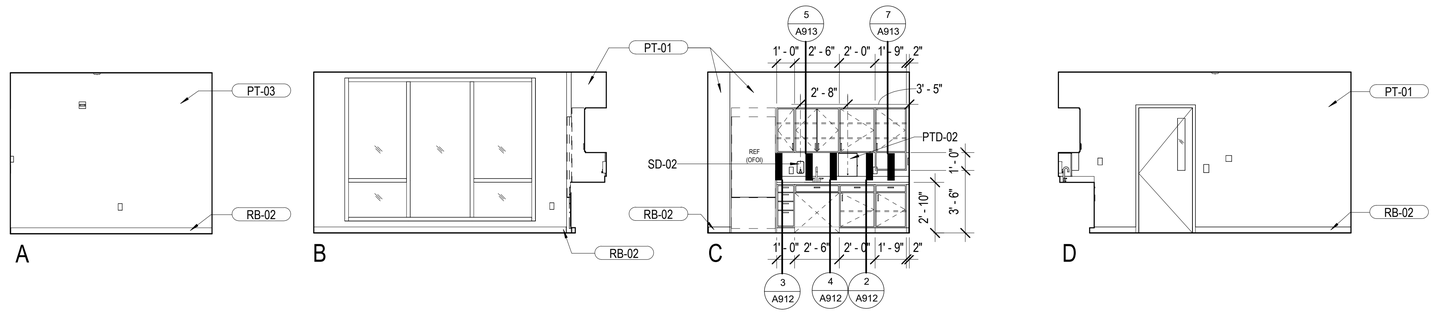
2 SECURITY TLT ADA (RM 11) - PLAN

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



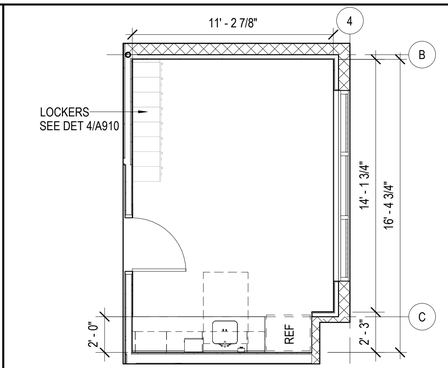
3 SECURITY OFFICE (RM 73)

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



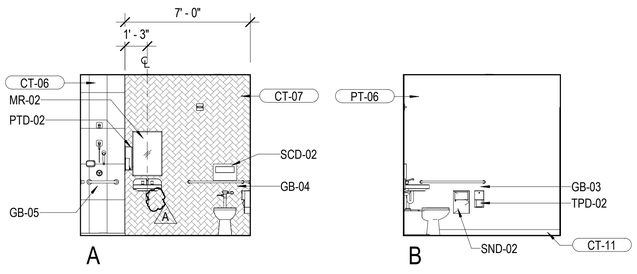
4 BREAK RM (RM 14)

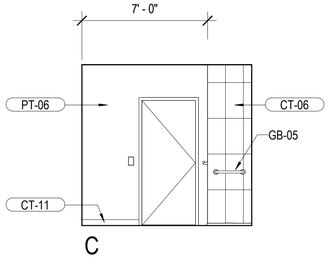
SCALE: 1/4" = 1'-0"

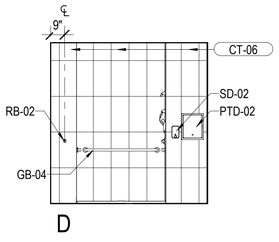


5 BREAK RM (RM 14) - PLAN

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

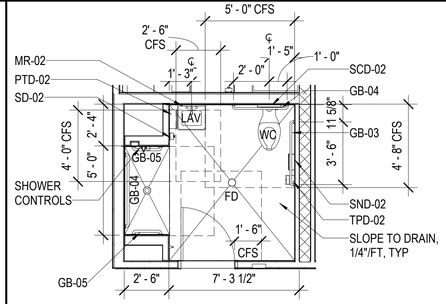






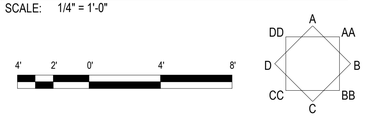
6 STAFF TLT & SHW (RM 15)

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



7 STAFF TLT & SHW (RM 15) - PLAN

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



GENERAL NOTES:
1. SEE OVERALL PLAN AND ENLARGED PLANS AND RCP FOR REFERENCE
2. SEE FINISH SCHEDULES AND ROOM FINISH SCHEDULE
3. SEE SPECIFICATIONS FOR ACCESSORY SCHEDULES AND SPEC
4. FURNITURE, IF SHOWN IS FOR REFERENCE AND ASSUMED NIC AND TO BE PROVIDED BY OTHER
5. ALL DIMS ARE SHOWN AS A.F.F.

G70

111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

#	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

SHEET NAME

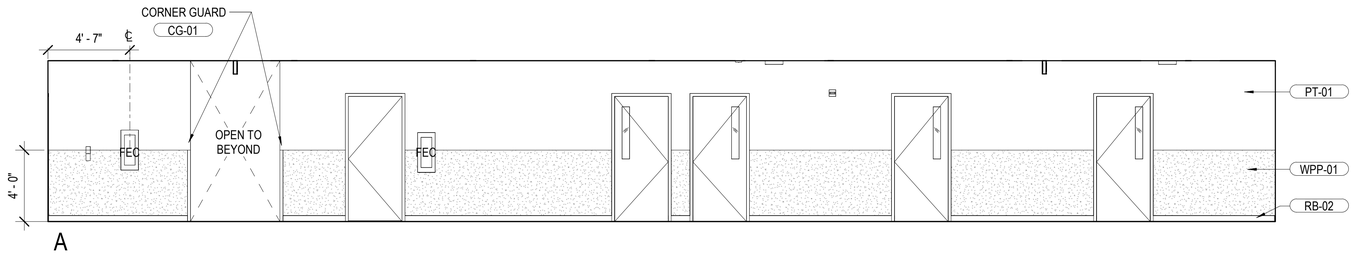
ENLARGED PLANS AND INTERIOR ELEVATIONS

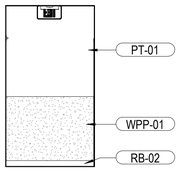
SCALE: 1/4" = 1'-0"

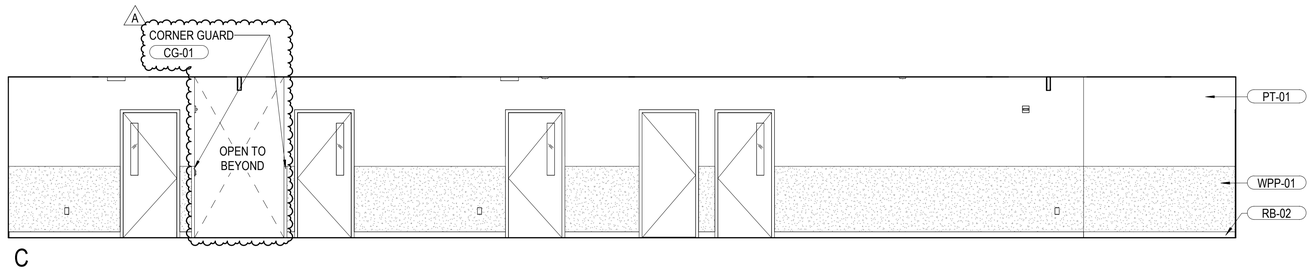
DRAWN BY	CHECKED BY
Author	Checker
PROJECT NO.	SHEET NO.
221093-01	A502
SHEET ISSUE DATE	
03/30/2026	

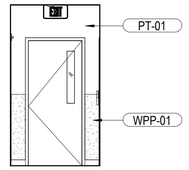
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

3/30/2026 5:36:33 PM





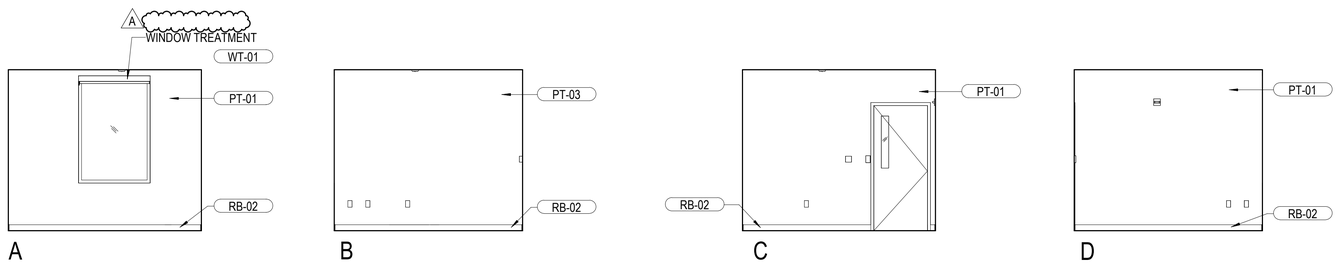




1 STAFF CORRIDOR (RM 16)

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

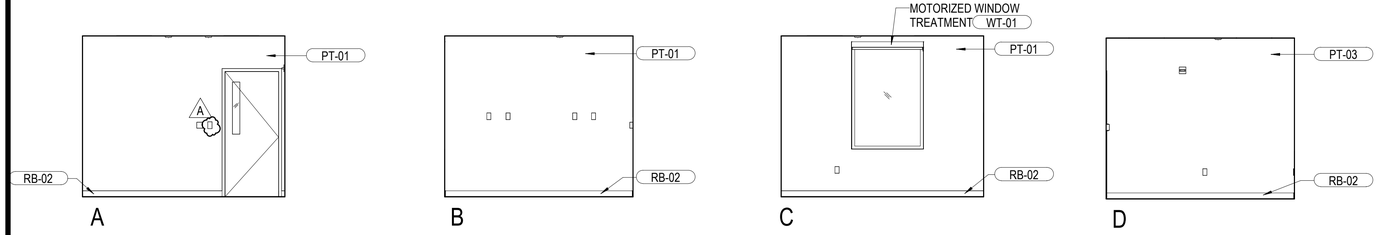
GENERAL NOTES:
1. SEE OVERALL PLAN AND ENLARGED PLANS AND RCP FOR REFERENCE
2. SEE FINISH SCHEDULES AND ROOM FINISH SCHEDULE
3. SEE SPECIFICATIONS FOR ACCESSORY SCHEDULES AND SPEC
4. FURNITURE, IF SHOWN IS FOR REFERENCE AND ASSUMED NIC AND TO BE PROVIDED BY OTHER
5. ALL DIMS ARE SHOWN AS A.F.F.



2 TYPICAL OFFICE STAFF (RM 18)

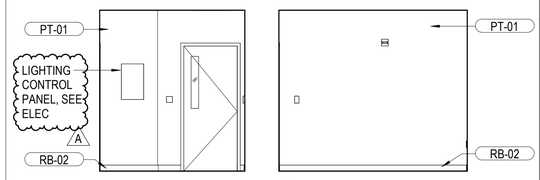
SCALE: 1/4" = 1'-0"

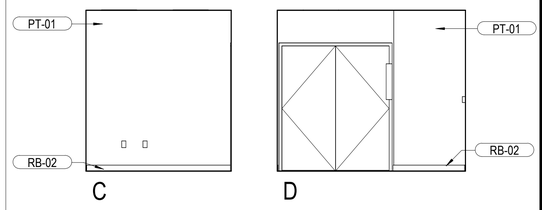
NOTE: SIM AT ALL SINGLE OFFICES (RM 17,19,83 AND 84) SEE OVERALL PLAN FOR CONFIGURATION



3 SHARED OFFICE (20)

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





4 COPIER WORKROOM (RM 22)

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

G70

111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

#	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

SHEET NAME

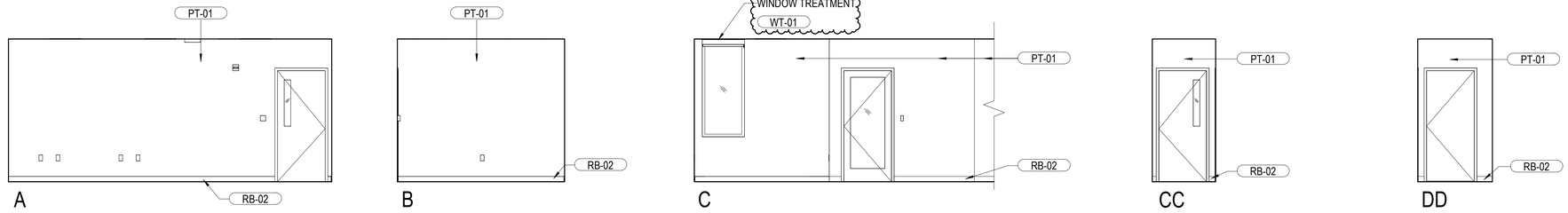
ENLARGED PLANS AND INTERIOR ELEVATIONS

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

DRAWN BY	CHECKED BY
Author	Checker
PROJECT NO.	SHEET NO.
221093-01	A503
SHEET ISSUE DATE	
03/30/2026	

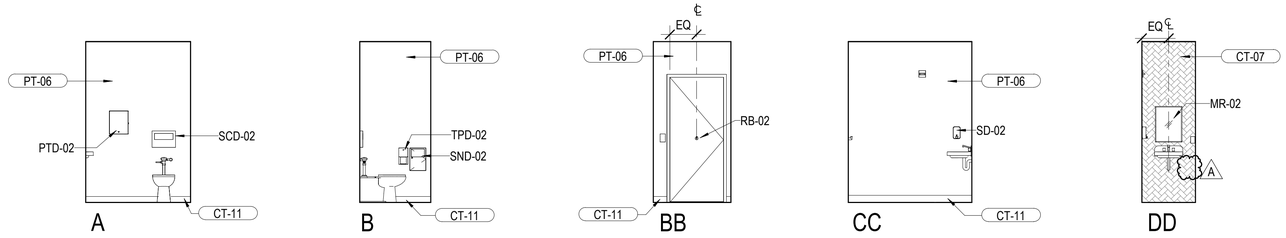
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

3/30/2026 5:36:39 PM



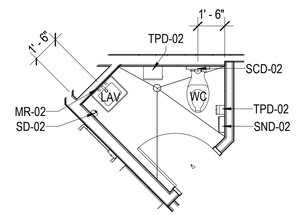
1 CHART RM (RM 25)

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



2 CHART TLT (RM 26)

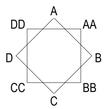
SCALE: 1/4" = 1'-0"

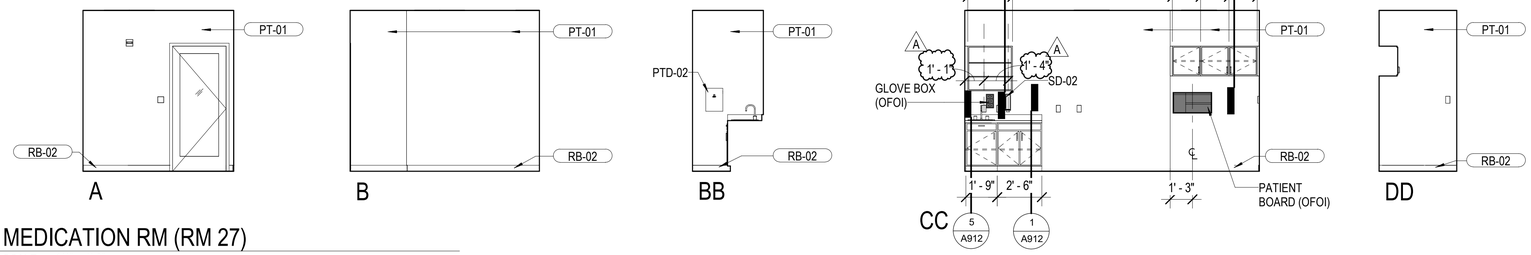


3 CHART TLT (RM 26) - PLAN

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

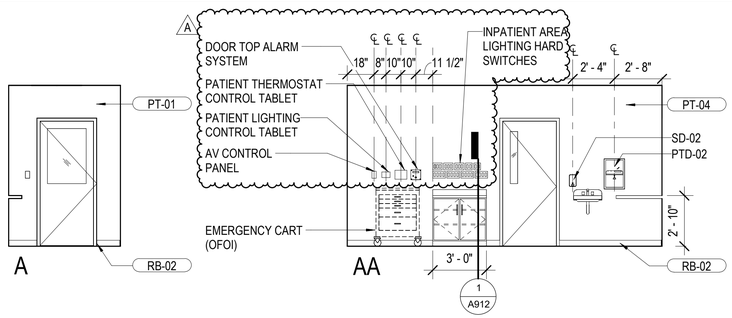






4 MEDICATION RM (RM 27)

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



5 NURSE STATION (RM 40)

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

GENERAL NOTES:
1. SEE OVERALL PLAN AND ENLARGED PLANS AND RCP FOR REFERENCE
2. SEE FINISH SCHEDULES AND ROOM FINISH SCHEDULE
3. SEE SPECIFICATIONS FOR ACCESSORY SCHEDULES AND SPEC
4. FURNITURE, IF SHOWN IS FOR REFERENCE AND ASSUMED NIC AND TO BE PROVIDED BY OTHER
5. ALL DIMS ARE SHOWN AS A.F.F.

G70

111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

#	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

SHEET NAME

ENLARGED PLANS AND INTERIOR ELEVATIONS

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

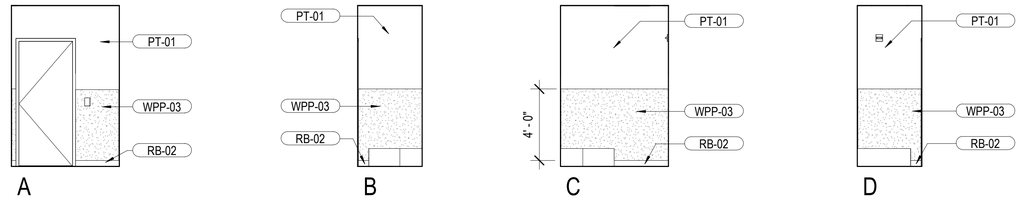
DRAWN BY	CHECKED BY
Author	Checker

PROJECT NO.	SHEET NO.
221093-01	A504

SHEET ISSUE DATE
03/30/2026

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

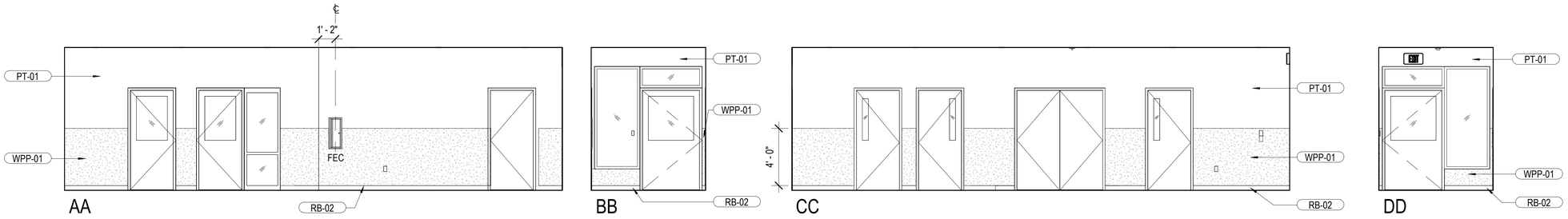
3/30/2026 5:36:46 PM



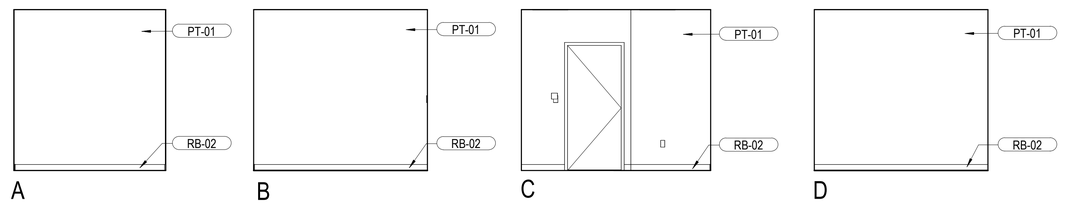
1 HSKP (2) (RM 24)
SCALE: 1/4" = 1'-0"



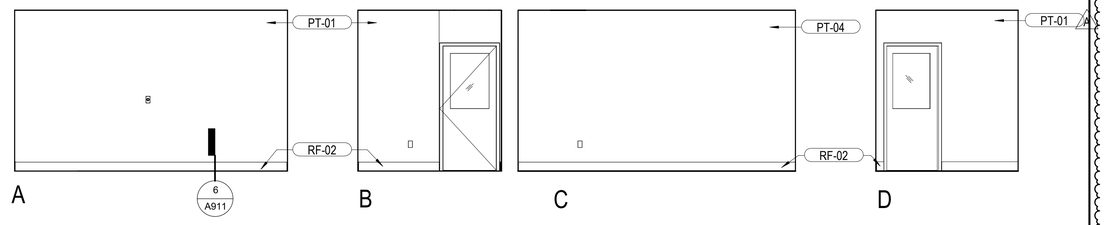
2 HSKP (2) (RM24) - PLAN
SCALE: 1/4" = 1'-0"



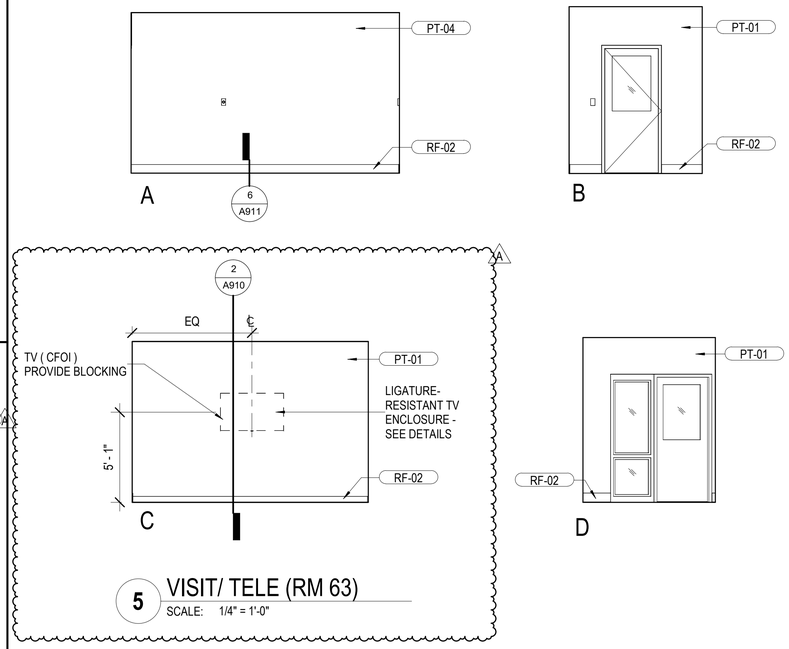
3 SALLYPORT CORRIDOR (RM 61)
SCALE: 1/4" = 1'-0"



4 PATIENT BELONGINGS (RM 70)
SCALE: 1/4" = 1'-0"



6 VISIT/INTAKE/DISCHARGE (RM 64)
SCALE: 1/4" = 1'-0"



5 VISIT/ TELE (RM 63)
SCALE: 1/4" = 1'-0"

GENERAL NOTES:
1. SEE OVERALL PLAN AND ENLARGED PLANS AND RCP FOR REFERENCE
2. SEE FINISH SCHEDULES AND ROOM FINISH SCHEDULE
3. SEE SPECIFICATIONS FOR ACCESSORY SCHEDULES AND SPEC
4. FURNITURE, IF SHOWN IS FOR REFERENCE AND ASSUMED NIC AND TO BE PROVIDED BY OTHER
5. ALL DIMS ARE SHOWN AS A.F.F.

G70

111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

#	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

SHEET NAME

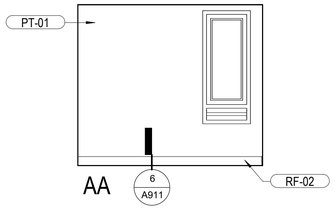
ENLARGED PLANS AND INTERIOR ELEVATIONS

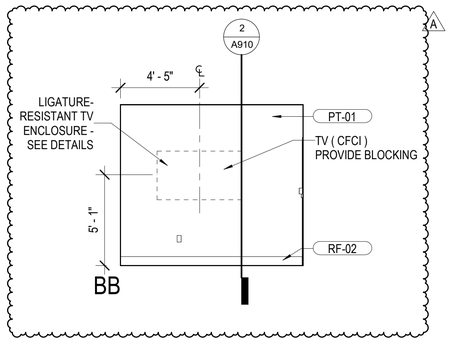
SCALE: 1/4" = 1'-0"

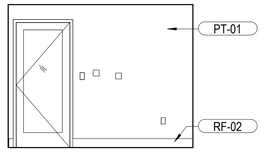
DRAWN BY	CHECKED BY
Author	Checker
PROJECT NO.	SHEET NO.
221093-01	A505
SHEET ISSUE DATE	
03/30/2026	

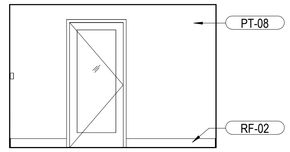
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

3/30/2026 5:36:53 PM



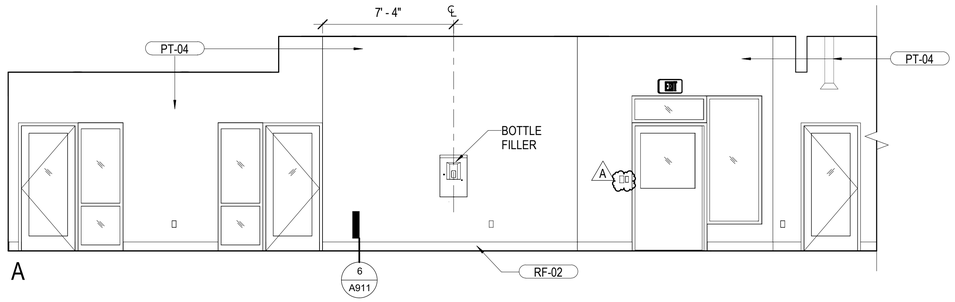


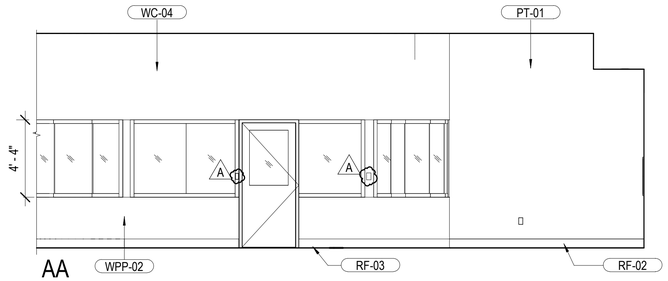


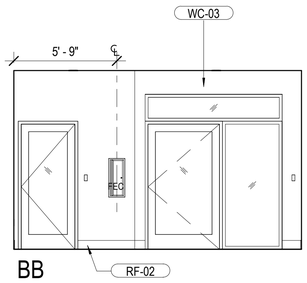


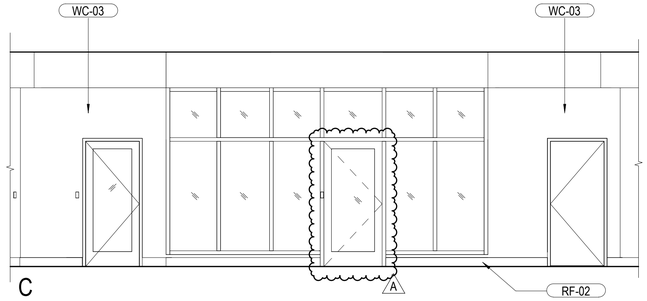
1 CONSULT RM (RM 28)

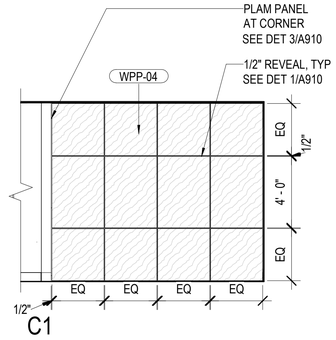
SCALE: 1/4" = 1'-0"

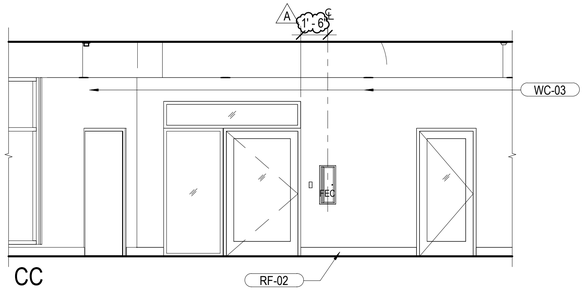


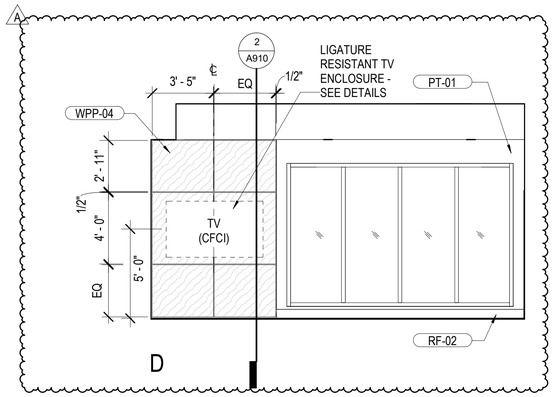












2 DAYROOM (RM 41)

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

GENERAL NOTES:
1. SEE OVERALL PLAN AND ENLARGED PLANS AND RCP FOR REFERENCE
2. SEE FINISH SCHEDULES AND ROOM FINISH SCHEDULE
3. SEE SPECIFICATIONS FOR ACCESSORY SCHEDULES AND SPEC
4. FURNITURE, IF SHOWN IS FOR REFERENCE AND ASSUMED NIC AND TO BE PROVIDED BY OTHER
5. ALL DIMS ARE SHOWN AS A.F.F.

G70

111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

#	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

SHEET NAME

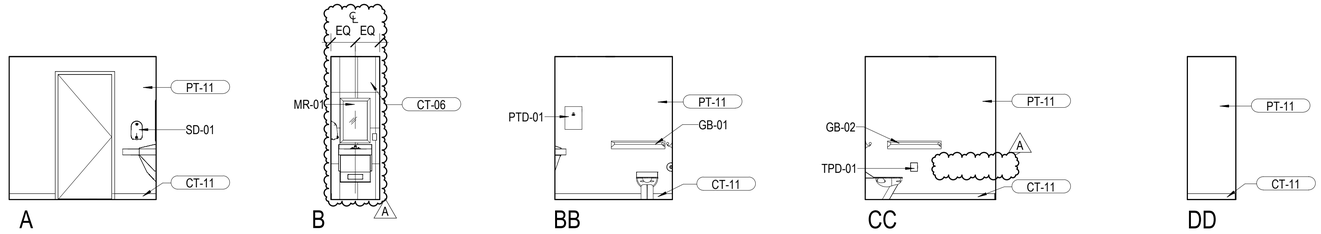
ENLARGED PLANS AND INTERIOR ELEVATIONS

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

DRAWN BY	CHECKED BY
Author	Checker
PROJECT NO.	SHEET NO.
221093-01	A507
SHEET ISSUE DATE	
03/30/2026	

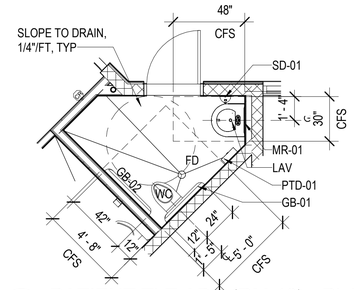
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

3/30/2026 5:36:57 PM



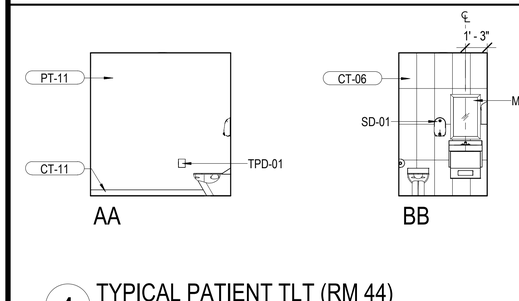
2 TYPICAL PATIENT TLT ADA (RM 43)

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



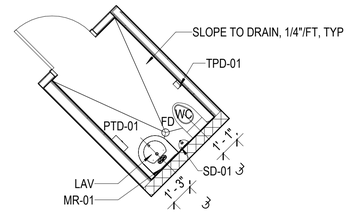
1 PATIENT TLT ADA (RM 43) - PLAN

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



4 TYPICAL PATIENT TLT (RM 44)

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



3 TYP PATIENT TLT (RM 44) - PLAN

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

GENERAL NOTE: 39 SIMILAR

6 TYPICAL PATIENT SHW (RM 45)

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

5 TYP PATIENT SHW (RM 45) - PLAN

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

GENERAL NOTE: 38 SIMILAR

4' 2' 0' 4' 8'

7 PATIENT CORRIDOR (RM 49)

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

GENERAL NOTES:
1. SEE OVERALL PLAN AND ENLARGED PLANS AND RCP FOR REFERENCE
2. SEE FINISH SCHEDULES AND ROOM FINISH SCHEDULE
3. SEE SPECIFICATIONS FOR ACCESSORY SCHEDULES AND SPEC
4. FURNITURE, IF SHOWN IS FOR REFERENCE AND ASSUMED NIC AND TO BE PROVIDED BY OTHER
5. ALL DIMS ARE SHOWN AS A.F.F.

G70

111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

#	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

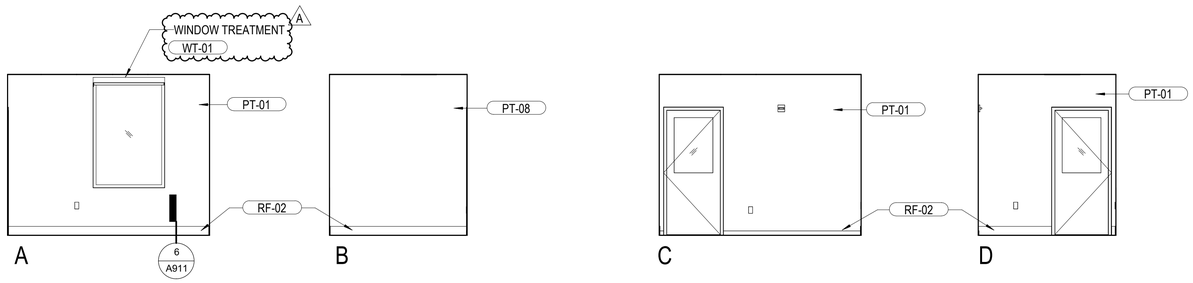
SHEET NAME
ENLARGED PLANS AND INTERIOR ELEVATIONS

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

DRAWN BY	CHECKED BY
Author	Checker
PROJECT NO.	SHEET NO.
221093-01	A508
SHEET ISSUE DATE	
03/30/2026	

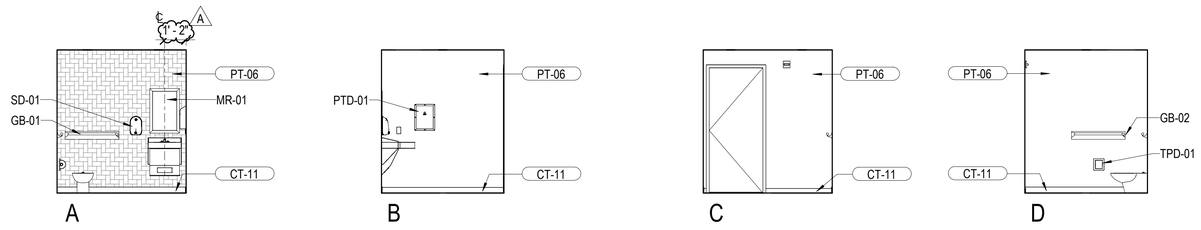
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

3/30/2026 5:37:04 PM



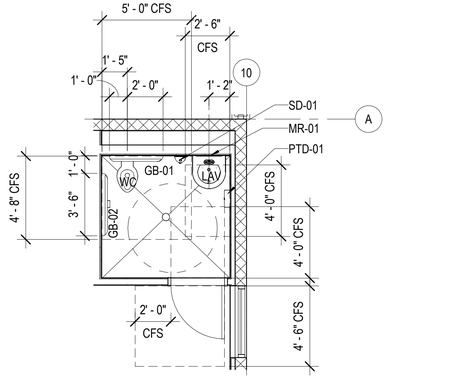
1 CR INTAKE CONSULT (RM 77)

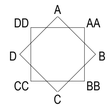
SCALE: 1/4" = 1'-0"



3 CR PATIENT TOILET (RM 78)

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

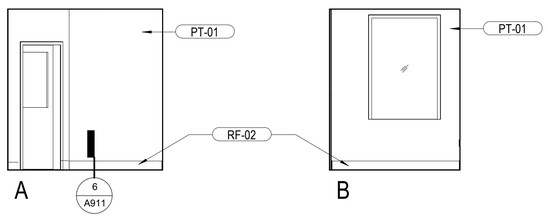




2 CR PATIENT TOILET (RM 78) - PLAN

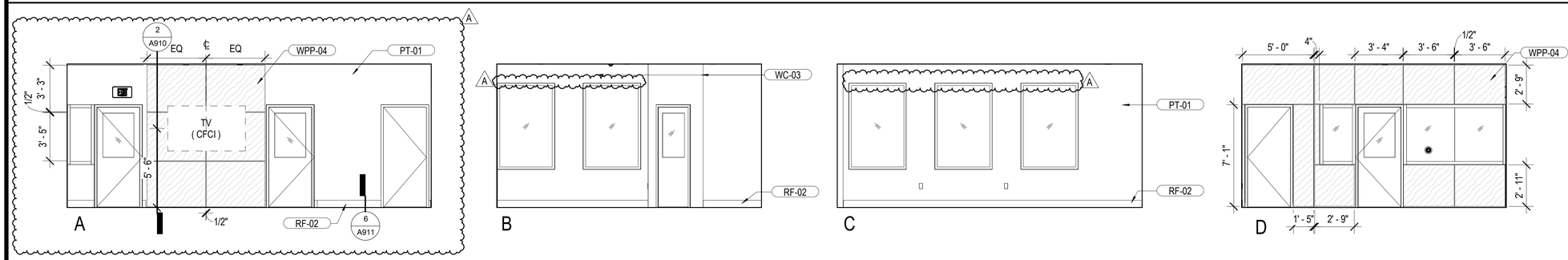
SCALE: 1/4" = 1'-0"

4' 2' 0' 4' 8'



4 CR QUIET (RM 79)

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



5 CR OBSERVATION (RM 80)

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

GENERAL NOTES:
1. SEE OVERALL PLAN AND ENLARGED PLANS AND RCP FOR REFERENCE
2. SEE FINISH SCHEDULES AND ROOM FINISH SCHEDULE
3. SEE SPECIFICATIONS FOR ACCESSORY SCHEDULES AND SPEC
4. FURNITURE, IF SHOWN IS FOR REFERENCE AND ASSUMED NIC AND TO BE PROVIDED BY OTHER
5. ALL DIMS ARE SHOWN AS A.F.F.

G70

111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

#	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

SHEET NAME

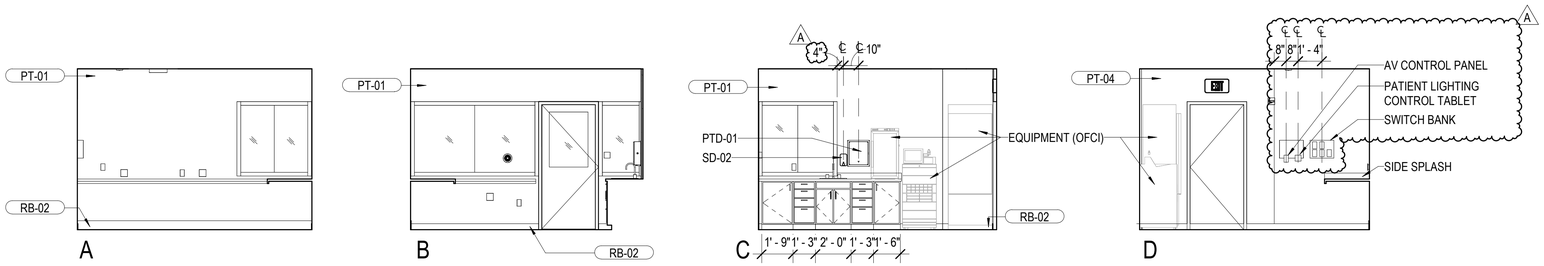
ENLARGED PLANS AND INTERIOR ELEVATION

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

DRAWN BY	CHECKED BY
Author	Checker
PROJECT NO.	SHEET NO.
221093-01	A511
SHEET ISSUE DATE	
03/30/2026	

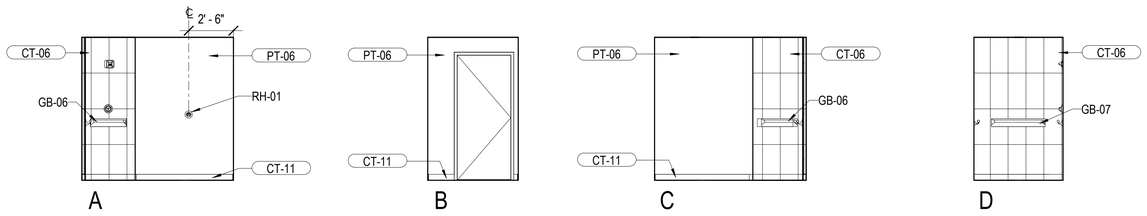
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

3/30/2026 5:37:10 PM



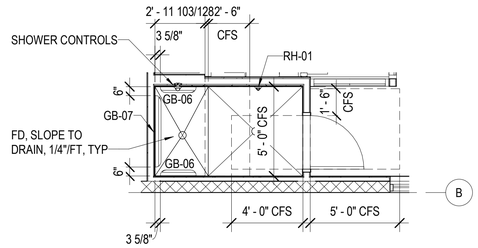
1 CR NURSE STATION (RM 81)

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



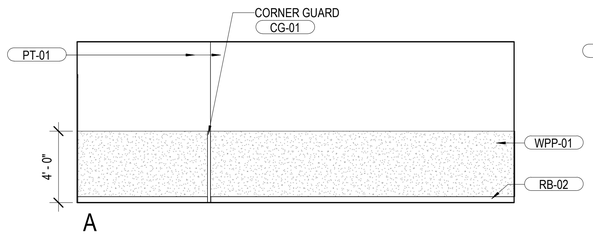
2 CR PAT SHW (RM 82)

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



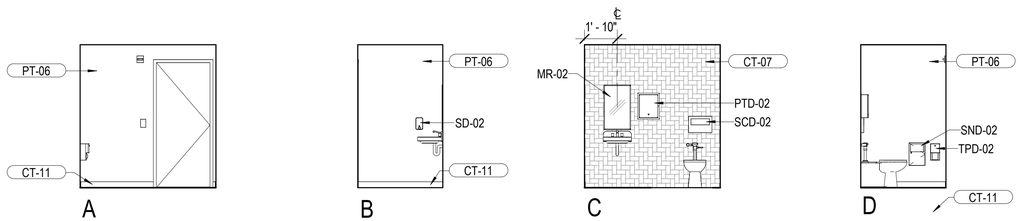
3 CR PAT SHW (RM 82) - PLAN

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



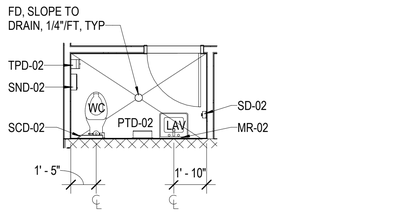
4 CR CORRIDOR (RM 3)

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



5 CR STAFF TLT (RM 7)

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



6 CR STAFF TLT (RM 7) - PLAN

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

4' 2' 0' 4' 8'

A
DD AA
D B
CC BB
C

GENERAL NOTES:
1. SEE OVERALL PLAN AND ENLARGED PLANS AND RCP FOR REFERENCE
2. SEE FINISH SCHEDULES AND ROOM FINISH SCHEDULE
3. SEE SPECIFICATIONS FOR ACCESSORY SCHEDULES AND SPEC
4. FURNITURE, IF SHOWN IS FOR REFERENCE AND ASSUMED NIC AND TO BE PROVIDED BY OTHER
5. ALL DIMS ARE SHOWN AS A.F.F.

G70

111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

#	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

SHEET NAME

ENLARGED PLANS AND INTERIOR ELEVATION

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

DRAWN BY	CHECKED BY
Author	Checker
PROJECT NO.	SHEET NO.
221093-01	A512
SHEET ISSUE DATE	
03/30/2026	

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

3/30/2026 5:37:18 PM

COLOR AND MATERIAL FINISH SCHEDULE

FINISH TAG	MATERIAL DESCRIPTION	MANUFACTURER	MATERIAL NAME	MATERIAL SIZE	MATERIAL FINISH	NO/COLOR	LOCATION USED/REMARKS
ACT-01	ACOUSTIC CEILING TILE	USG INTERIORS, INC	ECLIPSE (SLT)	24"x24"X 1" THICK	-	STANDARD WHITE	STAFF/ OUTPATIENT/ PATIENT AREAS/BOH
ACT-02	ACOUSTIC CEILING TILE	USG INTERIORS, INC	ECLIPSE (SLT)	24"x48" X 1" THICK	-	STANDARD WHITE	CORRIDORS/ DAYROOM
AP-01	ACOUSTIC PANEL	LAMVIN	SONIC TACKABLE WALL PANEL	1" THICK X SEE ELEVATIONS	SQUARE EDGE	WRAPPED IN FAB-01	CONFERENCE ROOM
CG-01	CORNER GUARD	INPRO	160BN BLUENOSE HIGH IMPACT	2" WING X 0.080" THICK	-	PEBBLE GREY 0387	STAFF/SALLYPORT CORRIDORS
CPT-01	CARPET	SHAW OR SIM	PONDER #5T596	24"X24"X 0.238" THICK	SEE SPEC	CULTIVATE #93580	OFFICE/OUTPATIENT/SECURITY ROOM
CT-01	PORCELAIN TILE	MARAZZI	MERONA	8"X40" X 5/16" THICK	MATTE	BROWN MR42	LOBBY/CR LOBBY/PATIENT BELONGINGS/EXTERIOR/ FLOORING AT PUBLIC RESTROOMS
CT-03	PORCELAIN TILE	DALTILE OR EQ	KEYSTONE	2"x 1" X 1/4" THICK	MATTE	MARBLE D32/,BISCUIT D317/ LUMINARY GOLD D142	STAFF/ CR RESTROOMS/ PATIENT RESTROOM FLOOR TILE- CUSTOM MESH BLEND AT 80%, 10%, 10%- SEE FINISH PLAN
CT-06	PORCELAIN TILE	DALTILE OR EQ	CALGARY	12"X24" X 5/16" THICK	MATTE	LEGACY #CG40	STAFF/ CR RESTROOMS/ PATIENT WALL TILE/ FOOR AT CR LOBBY & CR PATIENT BELONGINGS- SEE FINISH PLAN & ELEVATIONS
CT-07	CERAMIC TILE	DALTILE OR EQ	COLORWHEEL	3" X 6" X 5/16" THICK	POLISHED	BISCUIT #K175	PUBLIC/ STAFF RESTROOM MAIN WALL TILE- SEE ELEVATIONS
CT-08	CERAMIC TILE	DALTILE OR EQ	COLORWHEEL	3" X 6" X 5/16" THICK	GLOSSY	SPA #0148	PUBLIC/ STAFF RESTROOM ACCENT WALL TILE - SEE ELEVATIONS
CT-09	CERAMIC TILE- BULLNOSE	DALTILE OR EQ	COLORWHEEL S4369MOD	3" X 6" X 5/16" THICK	GLOSSY	BISCUIT S4369MOD	RESTROOM WALL BASE- SEE ELEVATIONS
CT-10	CERAMIC TILE- BULLNOSE	DALTILE OR EQ	COLORWHEEL S4369MOD	3" X 6" X 5/16" THICK	GLOSSY	SPA S4369MOD	RESTROOM WALL BASE- SEE ELEVATIONS
CT-11	PORCELAIN TILE- BULLNOSE	DALTILE OR EQ	KEYSTONE S886	2" X 2"	MATTE	BISCUIT D317	RESTROOM WALL BASE- SEE ELEVATIONS
CT-12	PORCELAIN TILE - BULLNOSE	DALTILE OR EQ	CALGARY	3" X 12" X 5 1/6" THICK	MATTE	FAWN CG41	BASE AT CR LOBBY/ CR PATIENT BELONGINGS
DR-01	DOOR	VT INDUSTRIES	-	-	FINE VELVET	HARVEST MAPLE 7953	DOORS AT STAFF/ OUTPATIENT AREAS
DR-02	DOOR	CURRIES/ ASSA ABLOY	-	-	FACTORY FINISH	NIGHT RENDEZVOUS 1037-5	DOORS AT PATIENT / OUTPATIENT AREAS
DR-03	DOOR	CURRIES/ ASSA ABLOY	-	-	METAL PAINTED	DARK ASH 1025-5	DOORS AT PATIENT/ OUTPATIENT AREAS
DR-04	DOOR	CURRIES/ ASSA ABLOY	-	-	SMOOTH GRAIN	JAVA	DOORS AT STAFF/ OUTPATIENT AREAS
DR-05	DOOR	KINGSWAY	-	-	MATTE TEXTURE	WINTER SKY 8792-58	DOORS AT PATIENT AREAS
FAB-01	FABRIC	CARNEGIE XOREL	METEOR 6427	-	-	766	AT ACOUSTIC WALL PANEL AT CONFERENCE ROOM
GT-01	GROUT	LATICRETE OR SIM	--	SEE SPEC	SEE SPEC	CHESTNUT BROWN 66	GROUT AT LOBBY/ CR LOBBY/ PATIENT BELONGINGS
GT-02	GROUT	LATICRETE OR SIM	--	SEE SPEC	SEE SPEC	FOSSIL 93	GROUT AT RESTROOMS WALLS
GT-03	GROUT	LATICRETE OR SIM	--	SEE SPEC	SEE SPEC	ANTIQUE WHITE 23	GROUT AT RESTROOMS FLOORS
HDW-01	DECORATIVE HARDWARE	AMEROCK	RIFT CABINET PULL BP36900G10	1/2" W X 5 6/16" L	SATIN NICKLE	CABINETRY HARDWARE	CONFERENCE ROOM
HDW-02	DECORATIVE HARDWARE	TOP KNOBS	EUROPA MERCER TK502	5" W X 1 5/8" PROJECTION	FLAT BLACK	CONFERENCE ROOM CABINETRY	CONFERENCE ROOM
MTL-01	WOOD- LOOK METAL	ARMSTRONG OR EQ	METALWORKS LINEAR SYNCHRO	4"W X SEE RCP	SMOOTH M1	EFFECTS CHERRY	LOBBY/ EXTERIOR
PL-01	PLASTIC LAMINATE	WILSONART OR EQ	STANDARD LAMINATE	--	SOFT GRAIN FINISH	WALNUT HEIGHTS #7965	ALL CABINETRY
PT-01	PAINT	SHERWIN WILLIAMS	--	--	EGGSHELL	SHOJI WHITE #7042	GENERAL WALL PAINT
PT-02	PAINT	SHERWIN WILLIAMS	--	--	FLAT	SNOWBOUND #7004	GENERAL CEILING/SOFFIT
PT-03	PAINT	SHERWIN WILLIAMS	--	--	EGGSHELL	AQUATANTE #9057	ACCENT PAINT AT STAFF/ OUTPATIENT AREAS- SEE ELEVATIONS
PT-04	PAINT	SHERWIN WILLIAMS	--	--	EGGSHELL	SOFTENED GREEN # 6177	ACCENT PAINT AT PATIENT AREAS / NURSES STATION/ CR - SEE ELEVATIONS
PT-05	PAINT	SHERWIN WILLIAMS	--	--	EGGSHELL	SPRING BREAK #627	ACCENT PAINT AT LOBBY/CR LOBBY/CONFERENCE ROOM - SEE ELEVATIONS
PT-06	PAINT	SHERWIN WILLIAMS	--	--	SEMIGLOSS	SNOWBOUND #7004	WALL PAINT AT STAFF/PUBLIC RESTROOMS
PT-08	PAINT	SHERWIN WILLIAMS	--	--	EGGSHELL	DELFT #9137	WALL PAINT AT QUIET ROOM/ CR & CONSULT
PT-10	PAINT	SHERWIN WILLIAMS	--	--	SEMIGLOSS	QUIVER TAN #6151	GENERAL DOOR TRIM PAINT
PT-11	PAINT	SHERWIN WILLIAMS	DUR-A- WALL HP	--	EPOXY	SNOWBOUND #7004	WALL PAINT AT PATIENT RESTROOMS
PT-12	PAINT	SHERWIN WILLIAMS	--	--	SEMIGLOSS	ROYCROFT BRASS #2843	INTERIOR WINDOW TRIM PAINT
PT-13	PAINT	BENJAMIN MOORE	--	--	SEMIGLOSS	CAMBRIDGE RIVERBED #1035	PAINT AT WM-01 AT LOBBY
PT-14	PAINT	SHERWIN WILLIAMS	--	--	SEMI-GLOSS	WATERLOO # 9141	INTERIOR DOOR TRIM PAINT
PT-15	PAINT	SHERWIN WILLIAMS	--	--	SEMI-GLOSS	TEAL STENCIL #0018	ACCENT PAINT AT LARGE CONFERENCE ROOM - SEE ELEVATIONS
RB-02	RUBBER BASE	JOHNSONITE OR EQ	TRADITIONAL WALL BASE	4"	--	WETLANDS #150	STAFF/ OUTPATIENT/ BOH/ CR
RF-01	RESILIENT TILE FLOORING	MANNINGTON OR EQ	TELES	17.5' X 17.5" X 1/8" THICK	--	MISTY BAY #857T	STAFF AREAS/ BOH/ SUPPORT/ UTILITY/ CR
RF-02	RESILIENT SHEET FLOORING/BASE	MANNINGTON OR EQ	REALITIES III	12'W X 0.080" THICK	--	MAPLE CREEK DRUMMOND 5693R	PATIENT AREAS/ CR
RF-03	RESILIENT SHEET FLOORING/BASE	MANNINGTON OR EQ	REALITIES III	12'W X 0.080" THICK	--	MAPLE CREEK NORWAY 5691R	PATIENT AREA WAYFINDING
RF-04	RESILIENT SHEET FLOORING	GERFLOR	TARAFLEX	4'-11"W X 0.244" THICK X SEE SPEC	--	6392 WOOD CHOCOLATE	SECLUSION ROOM FLOOR
SC-01	SEALED CONCRETE	-	-	-	-	-	ELECTRICAL/FIRE/STORAGE/EQUIPMENT STORAGE/ EXITS/CHASES/HW
SDT-01	STATIC DISSIPATIVE FLOORING	ARMSTRONG	EXCELON	12"X12"X 1/8" THICK	--	ARMOR GRAY #51951	SECURITY/DATA
SP-01	SAFETY PADDING	MARATHON ENGINEERING CORPORATION.	GOLD METAL SAFETY PADDING	--	SEE SPEC	SEE SPEC	SECLUSION ROOM WALLS
SS-01	QUARTZ SURFACE	CAMBRIA OR EQ	CLASSIC SERIES	--	POLISHED	SNOWDON WHITE	NICHE AT LOBBY, CONFERENCE ROOM
SS-02	SOLID SURFACE	CORIAN OR EQ	SOLID SURFACE	--	POLISHED	SERENE SAGE	BREAKROOM, MEDS, NOURISH, NURSES, SECURITY, LARGE THERAPY & CR
SS-03	THRESHOLD - SOLID SURFACE	CORIAN OR EQ	STANDARD THRESHOLD	-	-	ASH CONCRETE	THRESHOLD AT CONFERENCE/SECURITY/ CORRIDORS/ LOBBY/ RESTROOMS A
TS-01	TRANSITION- RUBBER	TARKETT OR EQ	JOHNSONITE T- MOULDING, SLIM LINE	0.080" TO 1/8" MATERIAL	-	PEWTER CG	TRANSITION AT ELECTRONICS/DATA/CORRIDORS/ LAUNDRY/ QUIET ROOM
WC-01	WALLCOVERING	NOHO HOME	CUSTOM WALLCOVERING PRINT ON WPP-06	SEE SPEC	TYPE II PVC FREE VINYL		ACCENT WALLCOVERING AT LOBBY/SEE DESIGNER CONTROL SAMPLE
WC-02	WALLCOVERING	KOROSEAL OR EQ	GILDED LINEN	SEE SPEC	SEE SPEC	REVERENCE 6922-32	WALLCOVERING AT PUBLIC RESTROOM
WC-03	WALLCOVERING	NOHO HOME OR EQ	CUSTOM WALLCOVERING PATTERN-KUPU-KUPU	SEE SPEC	TYPE II PVC FREE VINYL	-	WALLCOVERING AT PATIENT AREAS/ CR
WC-04	WALLCOVERING	KOROSEAL OR EQ	REATEC FILM	40" W X SEE SPEC	FLAT GRAIN	WALNUT SW-5636	NURSE STATION FACE/ CR- SEE ELEVATIONS
WM-01	WOOD BASE MOULDING	BOISE MOULDING & LUMBER CO., INC.,	BASE 1509	11/16 X 5 1/2" X SEE INTERIOR DETAILS	POPLAR	PT-13	WOOD BASE MOULDING AT LOBBY/ CR
WPP-01	WALL PROTECTION PANEL	3PTEC OR EQ	SIMPLICITY	0.033" THICK X SEE SPEC	SEE SEPC	PEBBLE P3T60074	WALL WAINSCOTING AT STAFF/SALLYPORT CORRIDORS
WPP-02	WALL PROTECTION PANEL	3PTEC OR EQ	SIMPLICITY	0.033" THICK X SEE SPEC	SEE SPEC	CLOUD-60070	FULL WALL AT PATIENT CORRIDORS/ NURSE STATION FACE CR- SEE ELEVATIONS
WPP-03	WALL PROTECTION PANEL	KOROSEAL OR EQ	KOROGUARD	0.040" THICK X SEE SPEC	PI DUNE	SPRING EVE FY	WALL AT PATIENT CORRIDORS/NOURISH/CLEAN RM/ SOILED RM/HSKP - SEE ELEVATIONS
WPP-04	WALL PROTECTION PANEL	MARLITE	SIEVA WALL SYSTEM	SEE SPEC	MATTE TEXTURE	AGED ASH 8844H-58	CR OBSERVATION/ PATIENT MEDIA CONSOLE WALL- SEE ELEVATIONS
WPP-05	WALL PROTECTION PANEL	MARLITE	SIEVA WALL SYSTEMS	SEE SPEC	FINE VELVET	HARVEST MAPLE 7953	LOBBY WALL - SEE ELEVATIONS
WT-01	WINDOW TREATMENT	MECHOSHADE	ECOVEIL	SEE SPEC	-	WHITE 1751 - 1%	CONFERENCE/ STAFF AREAS. PROVIDE MOTORIZED ROLLER SHADE AT CONFERENCE ROOM. ALL OTHERS TO BE A MANUAL ROLLER SHADE A

SCHEDULE NOTES

REFERENCE NOTES:

1. SEE FLOOR FINISH PLANS FOR LOCATION OF FINISHES

2. SEE INTERIOR ELEVATIONS FOR LOCATION OF FINISHES

3. TRIMS INCLUDE BUT ARE NOT LIMITED TO DOOR PANEL, DOOR FRAME, HANDRAILS, WD TRIMS; UNLESS OTHERWISE INDICATED OR SPECIFIED

4. SEE REFLECTED CEILING PLAN FOR LOCATION OF FINISHES

NOTES:

1.PROVIDE CRACK SUPRESSION MEMBRANE AT ALL STONE FLOOR LOCATIONS

2.PROVIDE EXPANSION JOINTS PER TCA RECOMMENDATIONS FOR ALL STONE FLOORING. VERIFY JOINT LOCATIONS WITH ARCHITECT.

3.FOR ALL WOOD FLOORS, PROVIDE HARDWOOD T&G FLOORING ON 3/4" THICK EXTERIOR PLYWOOD ON 30# FELT ADHERED TO CONCRETE SLAB.

4. REFER TO INTERIOR ELEVATIONS FOR PAINT COLOR.

FINISH SCHEDULE NOTES:

1. "( )" IN A SCHEDULE DENOTES A REMARK. SEE REMARKS COLUMN AND REMARKS LIST. ORDER OF NUMBERS IN REMARKS COLUMN IS AS THEY OCCUR FROM LEFT TO RIGHT ON SCHEDULE.

2. - SHOWN ON A SCHEDULE INDICATES FEATURE NOT REQUIRED.

3.MATERIAL (MAT):
C= REINFORCED CONCRETE SLAB
WD= WOOD
WB= WOOD BASE
GB= GYPSUM BOARD
GBX= TYPE 'X' GYPSUM BOARD
MT= GRASS MATS AND HARDWOOD TRIMS
T= TRIM
CM= CROWN MOULDING

4. FINISH (FIN):

ACT-= ACOUSTIC CEILING TILE
CPT-= CARPET TILE
CT-= CERAMIC TILE
DEFS-= DIRECT EXTERIOR FINISH SYSTEM
MTL-= METAL
GT- = GROUT
PL- = PLASTIC LAMINATE
PT-= PAINT
RB-= RUBBER BASE
RF-= RESILIENT FLOORING
SC-= SEALED CONCRETE
SDT-= STATIC DISSIPATIVE FLOORING
SP-= SAFETY PADDING
SS-= SOLID SURFACE
ST- = STONE
WC-= WALLCOVERING
WPP-= WALL PROTECTIVE PANEL
WT-= WINDOW TREATMENT

G70
111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

#	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

SHEET NAME
COLOR AND MATERIAL FINISH SCHEDULE

SCALE:

DRAWN BY	CHECKED BY
Author	Checker
PROJECT NO.	SHEET NO.
221093-01	A621
SHEET ISSUE DATE	
03/30/2026	

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

3/30/2026 5:37:19 PM

ROOM FINISH SCHEDULE

SEE ROOM FINISH REFERENCE NOTES FOR NOTES CORRESPONDING TO NUMBERS IN COLUMN HEADERS

ROOM NO.	ROOM NAME/DESCRIPTION	FLOOR FINISH	BASE FINISH	WALL FINISH	TRIM FINISH	CEILING FINISH	REMARKS
1	IP LOBBY	CT-01	WM-01	PT-01, PT-05, WC-01	-	MTL-01	
2	ALCOVE	CT-01	WM-01	PT-01, PT-05	-	PT-0	
3	STAFF CORRIDOR	RF-01	RB-02	PT-01	-	ACT-02	
4	CONFERENCE	CPT-01	RB-02	PT-01/AP-01	-	ACT-01	
5	CR PAT BELONG	CT-01	WM-01	PT-01			
6	CR LOBBY/ WAITING	CT-01	WM-01	PT-01/WC-03			
7	STAFF TLT	CT-03	CT-11	PT-06/CT-07	-	ACT-01	
8	DATA ROOM	SDT-01	RB-02	PT-01	-	-	
9	TLT ADA	CT-01	WM-01	CT-07, CT-08, PT-06/ WC-02	-	PT-02	
10	SALLYPORT	RF-01	RB-02	PT-01/WPP-01	-	ACT-02	
11	SECURITY TLT ADA	CT-03	CT-11	CT-07, PT-06	-	PT-02	
12	CORRIDOR	RF-01	RB-02	PT-01/WPP-01	-	ACT-02	
13	EQUIPMENT ROOM	RF-01	-	PT-01/WPP-03	-	ACT-01	
14	BREAK ROOM	RF-01	RB-02	PT-01, PT-03	-	PT-02	
15	TLT & SHW	CT-03	CT-11	CT-06, CT-07, PT-06	-	PT-02	
16	STAFF CORRIDOR	RF-01	RB-02	PT-01, WPP-01	-	ACT-01	
16	STAFF CORRIDOR	RF-01	RB-02	PT-01/WPP-01	-	ACT-02	
17	CORRIDOR	RF-01	RB-02	PT-01/WPP-01	-	ACT-02	
17	OFFICE (1)	CPT-01	RB-02	PT-01, PT-03	-	ACT-01	
18	OFFICE (1)	CPT-01	RB-02	PT-01, PT-03	-	ACT-01	
19	OFFICE (1)	CPT-01	RB-02	PT-01, PT-03	-	ACT-01	
20	SHARED OFFICE (2)	CPT-01	RB-02	PT-01/PT-03	-	ACT-02	
21	EXIT 3	SC-01	-	-			
22	COPIER WRKRM	RF-01	RB-02	PT-01	-	ACT-02	
23	ELEC PANEL	RF-01	RB-02	PT-01	-	PT-02	
24	HSKP	SC-01	RB-02	PT-01/WPP-03		ACT-01	
25	CHART	RF-01	RB-02	PT-01	-	ACT-01	
26	TLT	CT-03	CT-11	CT-07, PT-06	-	PT-02	
27	MED RM	RF-01	RB-02	PT-01	-	ACT-01	
28	CONSULT	RF-02	RF-02	PT-01/PT-08	-	ACT-01	
29	PATIENT ROOM 6	RF-02	RF-02	PT-01/PT-04	-	PT-02	
30	PATIENT ROOM 5	RF-02	RF-02	PT-01/PT-04	-	PT-02	
31	PATIENT ROOM 3	RF-02	RF-02	PT-01/PT-04	-	PT-02	
32	PATIENT ROOM 1	RF-02	RF-02	PT-01/PT-04	-	PT-02	
33	CORRIDOR	RF-02	RF-02	PT-01/WPP-02, WPP-03	-	ACT-02	
34	PATIENT ROOM 2	RF-02	RF-02	PT-01/PT-04	-	PT-02	
35	EXIT 1	SC-01	-	-	-	ACT-01	
36	PATIENT ROOM 4 (ADA)	RF-02	RF-02	PT-01/PT-04	-	PT-02	
37	TLT/SHWR ADA	CT-03	CT-11	CT-06, PT-11	-	PT-02	
38	SHW	CT-03	CT-11	CT-06, PT-11	-	PT-02	
39	TLT	CT-03	CT-11	CT-06, PT-11	-	PT-02	
40	NURSE STATION	RF-01	RB-02	PT-01, PT-04	-	ACT-01	
41	DAYROOM	RF-02, RF-03	RF-01/RF-02	PT-01,PT-04/ WC-03, WC-04, WPP-02, WPP-04	-	ACT-02/PT-02	
42	TEL	RF-02	RF-02	PT-01	-	PT-02	
43	TLT ADA	CT-03	CT-11	CT-06, PT-11	-	PT-02	
44	TLT	CT-03	CT-11	CT-06, PT-11	-	PT-02	
45	SHW	CT-03	CT-11	CT-06, PT-11	-	PT-02	
46	TLT/SHWR ADA	CT-03	CT-11	CT-06, PT-11	-	PT-02	
47	PATIENT ROOM 7	RF-02	RF-02	PT-01/PT-04	-	PT-02	
48	PATIENT ROOM 9	RF-02	RF-02	PT-01/PT-04	-	PT-02	
49	CORRIDOR	RF-02	RF-02	PT-01/WPP-02, WPP-03	-	ACT-02	
50	PATIENT ROOM 10	RF-02	RF-02	PT-01/PT-04	-	PT-02	
51	EXIT 2	SC-01	-	PT-04	-	ACT-01	
52	PATIENT ROOM 8 (ADA)	RF-02	RF-02	PT-01/PT-04	-	PT-02	
53	HSKP	SC-01	RB-02	PT-01, WPP-03	-	ACT-01	
54	QUIET	RF-02	RF-02	PT-01, PT-08	-	PT-02	
55	LAUNDRY	RF-01	RB-02	PT-01	-	ACT-01	
56	LARGE THERAPY/ CRAFT	RF-02	RF-02	PT-01	-	ACT-01	
57	NOURISH	RF-01	RB-02	PT-01, WPP-03	-	ACT-01	
58	CLEAN	RF-01	RB-02	PT-01, WPP-03	-	ACT-01	
59	ANTE	CT-03	CT-11	PT-01	-	PT-02	
60	TLT & SHW	CT-03	CT-11	PT-11/CT-06	-	PT-02	
61	CORRIDOR	RF-01	RB-02	PT-01, WPP-01	-	ACT-02	
62	SECLUSION	RF-04	-	SP-01	-	PT-02	
63	VISIT/TELE	RF-01	RB-02	PT-01/PT-04	-	PT-02	
64	VISIT/INTAKE/DISCHARGE	RF-01	RB-02	PT-01/PT-04	-	ACT-01	
65	HW	SC-01	RB-02	PT-01/WPP-03	-	PT-02	
66	SOILED	RF-01	RB-02	PT-01, WPP-03	-	PT-02	
67	TRASH	SC-01	RB-02	PT-01	-	PT-02	
68	VESTIBULE	RF-01	RB-02	PT-01	-	ACT-01	
69	FIRE	SC-01	RB-02	PT-01	-	PT-02	
70	IP PAT BELONG	RF-01	RB-02	PT-01	-	ACT-01	
71	ELEC	SC-01	RB-02	PT-01	-	PT-02	
72	SALLYPORT	RF-01	RB-02	PT-01/WPP-01	-	ACT-02	
73	SECURITY	CPT-01	RB-02	PT-01	-	ACT-01	
74	SECURITY/ ELECTRONICS	SDT-01	RB-02	PT-01	-	PT-02	
75	TRANSPORT LOBBY	RF-01	RB-02	PT-01	-	ACT-01	
76	SECURED YARD	CT-01	-	DEFS-01/DEFS-02	-	DEFS-02	
77	CR INTAKE/CONSULT	RF-02	RF-02	PT-01/WC-03		ACT-01	
78	CR PATIENT TOILET	CT-03	CT-11	CT-06/PT-11		PT-01	
79	CR QUIET ROOM	RF-02	RF-02	PT-01/PT08	-	ACT-02	
80	CR OBSERVATION	RF-02	RF-02	PT-01/WPP-04/WPP-02/PT-04		ACT-02	
81	CR NURSE STATION	RF-01	RB-02	PT-01, PT-04	-	ACT-01	
81	INTAKE/ CONSULT	RF-02	RF-02	PT-01/WC-03			
82	CR PATIENT SHOWER	CT-03	CT-11	PT-11/CT-06		PT-01	
83	OFFICE (1)	CPT-01	RB-02	PT-01/PT-03			
84	OFFICE (1)	CPT-01	RB-02	PT-01/PT-03			
85	STORAGE	RF-01	RB-02	PT-01			

G70

111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

#	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

SHEET NAME
ROOM FINISH SCHEDULE

SCALE:

DRAWN BY	CHECKED BY
Author	Checker

PROJECT NO.	SHEET NO.
221093-01	A622

SHEET ISSUE DATE
03/30/2026

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt
3/30/2026 5:37:20 PM

BATH ACCESSORY SCHEDULE

MARK	ITEM DESCRIPTION	MANUFACTURER	MODEL #	DIMENSIONS	IMAGE	FINISH	LOCATION
GB-01	LIGATURE RESISTANT GRAB BARS	KINGSWAY	KG274LH	3' - 0" W X 5 7/16" H X 4 1/16" D		RAL 9003 SIGNAL WHITE	PATIENT BATHS
GB-02	LIGATURE RESISTANT GRAB BARS	KINGSWAY	KG276LH (A)	3' - 6" W X 5 7/16" H X 4 1/16" D		RAL 9003 SIGNAL WHITE	PATIENT BATHS
GB-03	STRAIGHT GRAB BARS, 1/4" DIAMETER	BOBRICK	B-5806X42	3' - 6" W X 3/14" H X 1 1/2" D		SATIN STAINLESS STEEL	STAFF/ PUBLIC BATHS
GB-04	STRAIGHT GRAB BARS, 1/4" DIAMETER	BOBRICK	B-5806X36	3' W X 3/14" H X 1 1/2" D		SATIN STAINLESS STEEL	STAFF/ PUBLIC BATHS
GB-05	STRAIGHT GRAB BARS, 1/4" DIAMETER	BOBRICK	B-5806X18	1' - 6" W X 3/14" H X 1 1/2" D		SATIN STAINLESS STEEL	STAFF/ PUBLIC BATHS
GB-06	LIGATURE RESISTANT GRAB BARS	KINGSWAY	KG272LH	2' - 0" W X 5 7/16" H X 4 1/16" D		RAL 9003 SIGNAL WHITE	PATIENT BATHS
GB-07	LIGATURE RESISTANT GRAB BARS	KINGSWAY	KG278LH	4' - 0" W X 5 7/16" H X 4 1/16" D		RAL 9003 SIGNAL WHITE	PATIENT BATHS
MR-01	LIGATURE RESISTANT MIRROR	KINGSWAY	KG231	18 1/8" W X 36 1/8" H X 1/2" D		POWDER COATED ALUMINUM	PATIENT BATHS
MR-02	MIRROR WITH STAINLESS STEEL CHANNEL FRAME	BOBRICK	B-165 1824	18" W X 24" H X 3/4" D		STAINLESS STEEL	STAFF BATHS
MR-03	ELVARI FRAME AND FRAMELESS MIRROR	BRADLEY	7B1-0018300	18" W X 30" H X 1/4" D		STAINLESS STEEL	PUBLIC BATH
PTD-01	LIGATURE RESISTANT TRI-FOLD PAPER TOWEL DISPENSER	BEHAVIORAL SAFETY	PH250	12" W X 13.625" H X 4" D		WHITE	PATIENT BATHS
PTD-02	SURFACE MOUNTED AUTOMATIC, UNIVERSAL ROLL PAPER TOWEL DISPENSER	BOBRICK	B-2974	12 5/8" W X 15 1/2" H X 9 1/16" D		SATIN STAINLESS STEEL	STAFF/ PUBLIC BATHS
RH-01	ANTI-LIGATURE COAT HOOK	KINGSWAY	KG180	2 9/16" DIA X 1 1/8" D		KG180CR (CREAM)	PATIENT BATHS
RH-02	SURFACE MOUNTED ROBE HOOK	BOBRICK	B-76717	2W" X 2" H X 1 5/8" D		SATIN STAINLESS STEEL	STAFF/ PUBLIC BATHS
SCD-02	SEAT COVER DISPENSER	BRADLEY	5831	15 3/4" X 11" H X 2" D		SEE SPECS	STAFF/ PUBLIC BATHS
SD-01	LIGATURE RESISTANT SOAP DISPENSER	BEHAVIORAL SAFETY	SD755	7 7/8" W X 12 5/8" D X 5 5/32" D		WHITE	PATIENT BATHS
SD-02	SURFACE MOUNTED SOAP DISPENSER	BOBRICK	B-2111	4 3/4" W X 6 1/2" H X 3 1/2" D		SATIN STAINLESS STEEL	STAFF/ PUBLIC BATHS
SND-02	SURFACE MOUNTED SANITARY NAPKIN DISPOSAL	BOBRICK	B-270	7 1/2" W X 10" H X 3 13/16" D		SATIN STAINLESS STEEL	STAFF/ PUBLIC BATHS
TPD-01	LIGATURE RESISTANT TOILET PAPER DISPENSER	BEHAVIORAL SAFETY	TR230	7 3/4" W X 10 1/2" H X 5 1/2" D		WHITE	PATIENT BATHS
TPD-02	SURFACE MOUNTED MULTI-ROLL TOILET TISSUE DISPENSER	BOBRICK	B-2888	6 1/16" W X 11" H X 5 15/16" D		STAINLESS STEEL	STAFF/ PUBLIC BATHS
WS-01	RECESSED WASHROOM SHELF	KINGSWAY	G12K	10" W X 12" H X 3 5/8" D		STAINLESS STEEL	PATIENT BATHS

G70

111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

#	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

SHEET NAME
BATH ACCESSORY SCHEDULE

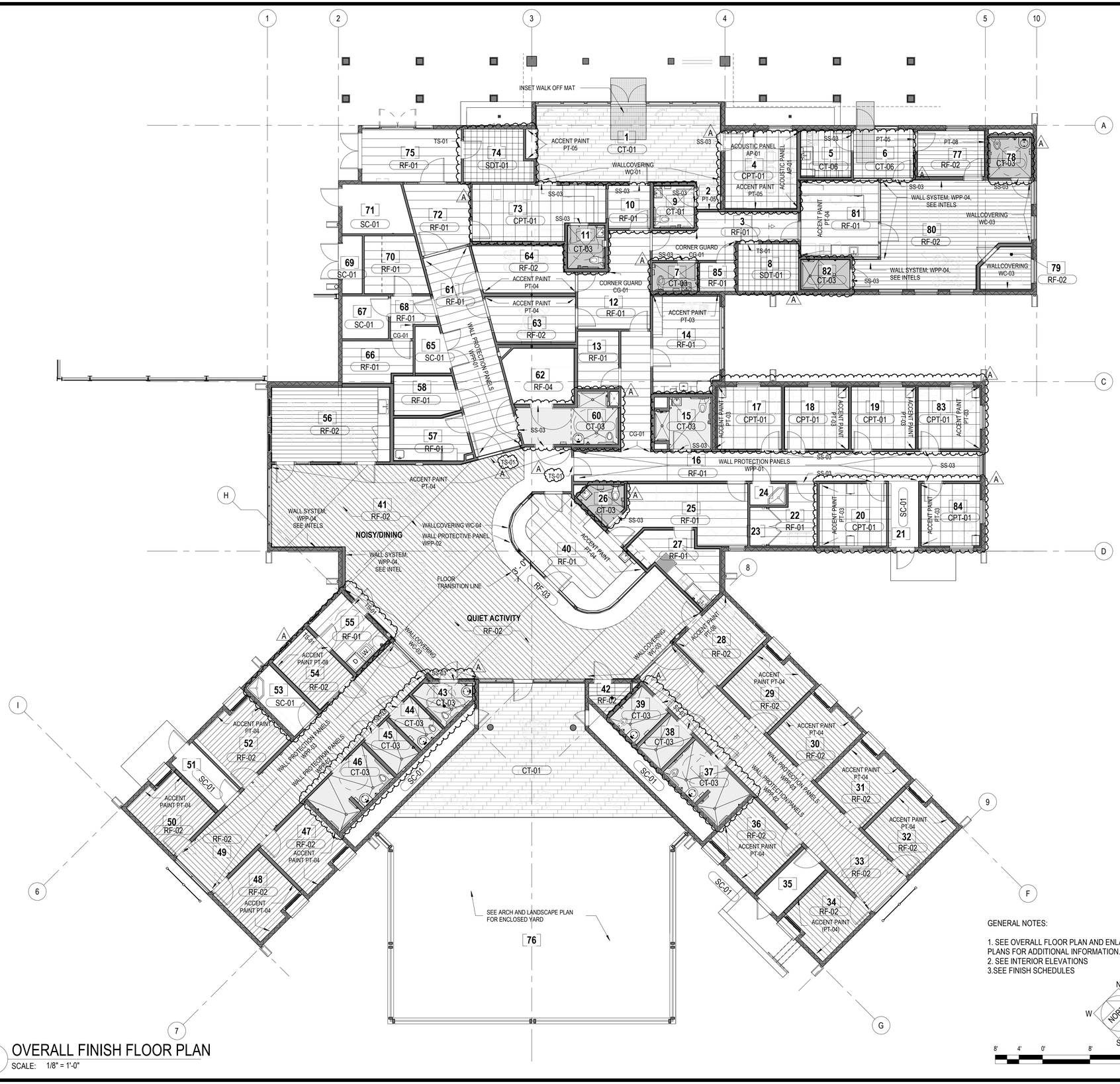
SCALE:

DRAWN BY	CHECKED BY
Author	Checker

PROJECT NO.	SHEET NO.
221093-01	A623

SHEET ISSUE DATE
03/30/2026

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt
3/30/2026 5:37:21 PM



1 OVERALL FINISH FLOOR PLAN
SCALE: 1/8" = 1'-0"

ROOM NO.	ROOM NAME
1	IP LOBBY
2	ALCOVE
3	STAFF CORRIDOR
4	CONFERENCE
5	CR PAT BELONG
6	CR LOBBY/ WAITING
7	STAFF TLT
8	DATA ROOM
9	TLT ADA
10	SALLYPORT
11	SECURITY TLT ADA
12	CORRIDOR
13	EQUIPMENT ROOM
14	BREAK ROOM
15	TLT & SHW
16	STAFF CORRIDOR
17	OFFICE (1)
18	OFFICE (1)
19	OFFICE (1)
20	SHARED OFFICE (2)
21	EXIT 3
22	COPIER WRKRM
23	ELEC PANEL
24	HSKP
25	CHART
26	TLT
27	MED RM
28	CONSULT
29	PATIENT ROOM 6
30	PATIENT ROOM 5
31	PATIENT ROOM 3
32	PATIENT ROOM 1
33	CORRIDOR
34	PATIENT ROOM 2
35	EXIT 1
36	PATIENT ROOM 4 (ADA)
37	TLT/SHWR ADA
38	SHW
39	TLT
40	NURSE STATION
41	DAYROOM
42	TEL
43	TLT ADA
44	TLT
45	SHW
46	TLT/SHWR ADA
47	PATIENT ROOM 7
48	PATIENT ROOM 9
49	CORRIDOR
50	PATIENT ROOM 10
51	EXIT 2
52	PATIENT ROOM 8 (ADA)
53	HSKP
54	QUIET
55	LAUNDRY
56	LARGE THERAPY/ CRAFT
57	NOURISH
58	CLEAN
59	ANTE
60	TLT & SHW
61	CORRIDOR
62	SECLUSION
63	VISIT/TELE
64	VISIT/INTAKE/DISCHARGE
65	HW
66	SOILED
67	TRASH
68	VESTIBULE
69	FIRE
70	IP PAT BELONG
71	ELEC
72	SALLYPORT
73	SECURITY
74	SECURITY/ ELECTRONICS
75	TRANSPORT LOBBY
76	SECURED YARD
77	CR INTAKE/CONSULT
78	CR PATIENT TOILET
79	CR QUIET ROOM
80	CR OBSERVATION
81	CR NURSE STATION
82	CR PATIENT SHOWER
83	OFFICE (1)
84	OFFICE (1)
85	STORAGE

GENERAL NOTES:

1. SEE OVERALL FLOOR PLAN AND ENLARGED PLANS FOR ADDITIONAL INFORMATION.
2. SEE INTERIOR ELEVATIONS
3.SEE FINISH SCHEDULES

N W E S NORTH

8' 4' 0' 8' 16'

G70
111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

#	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET
03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

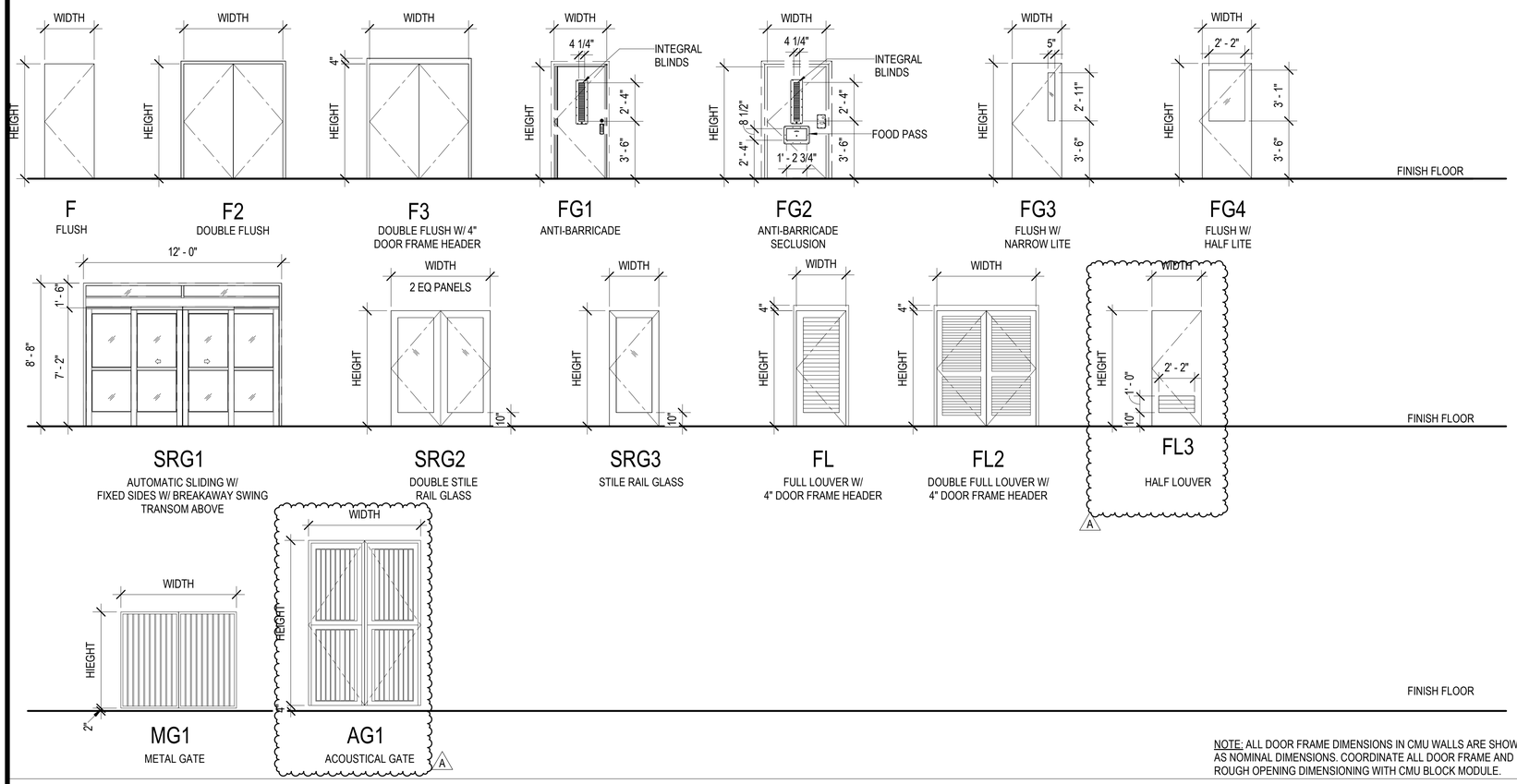
SHEET NAME
OVERALL FINISH FLOOR PLAN

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

DRAWN BY	CHECKED BY
Author	Checker
PROJECT NO.	SHEET NO.
221093-01	A631
SHEET ISSUE DATE	
03/30/2026	

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt
3/30/2026 5:37:26 PM

DOOR TYPES



NOTE: ALL DOOR FRAME DIMENSIONS IN CMU WALLS ARE SHOWN AS NOMINAL DIMENSIONS. COORDINATE ALL DOOR FRAME AND ROUGH OPENING DIMENSIONING WITH CMU BLOCK MODULE.

DOOR SCHEDULE

DOOR MARK	ROOM NAME	WIDTH	HEIGHT	DOOR TYPE (1)	THICKNESS	CONSTRUCTION (2)	FINISH	DOOR FINISH	GLASS (4)	LOUVER (5)	RATING (7)	FRAME MATERIAL	FRAME FINISH	HARDWARE GROUP (7)	HEAD (8) U.O.N	JAMB (8) U.O.N.	THRESHOLD (8) U.O.N.	REMARKS	RISK LEVEL
1	IP LOBBY	6' - 0"	8' - 0"	SRG2	1 3/4"	AL	FF	CHAMPAGNE	TG			AP	CHAMPAGNE	1.1	13/A704	15/A704	13/A704	CARD READER	LOW
3	STAFF CORRIDOR	3' - 0"	7' - 0"	F	1 3/8"	SC	WS	HARVEST MAPLE 7953	-			MP	PT-10	8.1	1/A705	1/A705	16/A705	CARD READER	LOW
4	CONFERENCE	3' - 0"	7' - 0"	SRG3	1 3/4"	HM	MP	NIGHT RENDEZVOUS 1037-5	FT			MP	PT-10	9.1	1/A705	1/A705	3/A705	PERIMETER SEAL, AUTOMATIC DOOR BOTTOM, CARD READER	LOW
5	CR PAT BELONG	3' - 0"	7' - 0"	FL3 (A)	1 3/4"	HM	WS	HARVEST MAPLE 7953	-	SB (A)		MP	PT-10	15.1	5/A705	5/A705	16/A705		LOW
6	CR LOBBY/WAITING MAIN ENTRY	3' - 0"	7' - 2"	SRG3	1 3/4"	AL	FF	CHAMPAGNE	PC			AP	CHAMPAGNE	2A1.1	1/A704	8/A704 (SIM), 9/A704	2/A704		LOW
7	STAFF TLT	3' - 0"	7' - 0"	F	1 3/8"	SC	WS	HARVEST MAPLE 7953	TG			MP	PT-10	17.1	5/A705	5/A705	11/A705 (A)	1/2" UNDERCUT	LOW
8	DATA ROOM	3' - 0"	7' - 0"	F	1 3/4"	HM	MP	DARK ASH 1025-5	-			MP	DARK ASH 1025-5	A 9.1	5/A705	5/A705	16/A705	PERIMETER SEAL, AUTOMATIC DOOR BOTTOM A	LOW
9	PUBLIC ADA TLT	3' - 0"	7' - 0"	F	1 3/8"	SC	WS	HARVEST MAPLE 7953	-			MP	PT-10	17.1	5/A705	5/A705, 6/A705	11/A705 (A)	1/2" UNDERCUT	LOW
10	IP STAFF SALLYPORT	3' - 0"	7' - 0"	SRG3	1 3/4"	SC	FF	HARVEST MAPLE 7953	TG			MP	TBD	8.1	1/A705	1/A705	12/A706	CARD READER	LOW
11	SECURITY RR	3' - 0"	7' - 0"	F	1 3/8"	SC	WS	HARVEST MAPLE 7953	-			MP	PT-10	17.1	5/A705	5/A705	3/A705	1/2" UNDERCUT	LOW
12	SALLYPORT TO STAFF CORRIDOR	3' - 0"	7' - 0"	FG4	1 3/4"	HM	MP	DARK ASH 1025-5	-			MP	PT-10	10.1	5/A705	5/A705	16/A705	CARD READER	LOW
13	EQUIPMENT ROOM	3' - 0"	7' - 0"	F	1 3/4"	HM	MP	DARK ASH 1025-5	-			FF	DARK ASH 1025-5	12.1	1/A705	1/A705	16/A705		LOW
14	BREAK ROOM	3' - 0"	7' - 0"	FG3	1 3/4"	SC	WS	HARVEST MAPLE 7953	TG			FF	HARVEST MAPLE 7953	16.1	1/A705	1/A705	16/A705	PERIMETER SEAL, AUTOMATIC DOOR BOTTOM	LOW
15	STAFF TLT & SHW	3' - 0"	7' - 0"	F	1 3/8"	SC	WS	HARVEST MAPLE 7953	-			MP	PT-10	17.1	5/A705	5/A705, 6/A705	7/A705	1/2" UNDERCUT	LOW
16A	STAFF CORRIDOR	3' - 0"	7' - 0"	FG3	1 3/4"	SC	WS	HARVEST MAPLE 7953	TG			MP	PT-10	8.1	5/A705	5/A705	16/A705	CARD READER	LOW
16B	DAYROOM TO STAFF CORRIDOR	3' - 0"	7' - 0"	FG3	1 3/4"	HM	MP	NIGHT RENDEZVOUS 1037-5	PC			MP	PT-14	18.1	5/A705	5/A705	12/A705	HOSPITAL TIP HINGES, ANTI-LIGATURE DOOR HANDLES, CONCEALED CLOSER, PERIMETER SEAL, AUTOMATIC DOOR BOTTOM, CARD READER	MEDIUM
17	OFFICE (1)	3' - 0"	7' - 0"	FG3	1 3/4"	SC	WS	HARVEST MAPLE 7953	TG			FF	HARVEST MAPLE 7953	13.1	1/A705	1/A705	4/A705	PERIMETER SEAL, AUTOMATIC DOOR BOTTOM	LOW
18	OFFICE (1)	3' - 0"	7' - 0"	FG3	1 3/4"	SC	WS	HARVEST MAPLE 7953	TG			FF	HARVEST MAPLE 7953	13.1	1/A705	1/A705	4/A705	PERIMETER SEAL, AUTOMATIC DOOR BOTTOM	LOW
19	OFFICE (1)	3' - 0"	7' - 0"	FG3	1 3/4"	SC	WS	HARVEST MAPLE 7953	TG			FF	HARVEST MAPLE 7953	13.1	1/A705	1/A705	4/A705	PERIMETER SEAL, AUTOMATIC DOOR BOTTOM	LOW

DOOR NOTES LIST

1. DOOR TYPES
B - BI-FOLD
BD - BARN DOOR
BL - BI-FOLD LOUVER
CD - COUNTER DOOR
CG - COUNTER GRILLE
F - FLUSH
FG - FLUSH GLAZING
FL - FLUSH LOUVER
FM - FLUSH WITH MOULDING
FLO - FLUSH LOCK-OFF
G - GARAGE
GL - GLASS
MG - METAL GATE
OD - OVERHEAD DOOR
OG - OVERHEAD GRILLE
OP - OPERABLE PARTITION
SFD - SLIDING FOLDING DOOR
SG - SLIDING GLASS
SR - STILE RAIL
SRG - STILE RAIL GLASS
WD - WICKET DOOR

NOTE: SUB-TYPES ARE INDICATED BY A NUMERAL

2. DOOR CONSTRUCTION:
A - ACOUSTICAL
AL - ALUMINUM
B - BULLET PROOF
E - EXISTING
GL - GLASS
HC - HOLLOW CORE
HM - HOLLOW METAL
M - METAL
PB - LEAD LINED
SC - SOLID CORE
SR - STILE & RAIL
FRP - FIBERGLASS

3. DOOR FINISH:
AA - ALUMINUM, ANODIZED
AP - ALUMINUM, PAINTED
FF - FACTORY FINISH
MP - METAL, PAINTED
WP - WOOD, PAINTED
WS - WOOD, STAINED
PL - PLASTIC LAMINATE
WT - WOOD, TRANSPARENT
VC - VINYL CLAD

NOTE: SEE COLOR & MATERIAL SCHEDULE FOR COLOR DESIGNATIONS.

4. GLASS TYPES:
ALL GLASS SHALL BE 1/4" THK. U.O.N.
BR - SECURITY GLASS-BALLISTIC RESISTANT
DG - DECORATIVE GLASS
FE - SECURITY GLASS-FORCED ENTRY
FG - FLOAT GLASS
FS - FIRE SAFETY GLASS
FR - FIRE RATED GLASS
FT - FROSTED GLASS
HR - HURRICANE RESISTANT GLASS
HS - HEAT STRENGTHENED GLASS
IG - INSULATING GLAZING
LG - LAMINATED GLASS
LL - LEAD GLASS
MG - ONE WAY VISION GLASS
PC - POLYCARBONATE GLASS
PG - PATTERNED GLASS
TG - TEMPERED GLASS
WG - WIRE GLASS (HORIZONTAL/ VERTICAL WIRE ORIENTATION)
WPG - WIRE PATTERNED GLASS

5. DOOR LOUVER TYPES:
AD - ADJUSTABLE
LP - LIGHTPROOF
SB - STANDARD BLADE
SP - SIGHTPROOF
SR - STORM RESISTANT

DOOR LOUVER CONSTRUCTION & FINISH:
AA - ALUMINUM, ANODIZED
AP - ALUMINUM, PAINTED
WP - WOOD, PAINTED
WT - WOOD, TRANSPARENT

6. FRAME CONSTRUCTION/CASING & FINISH:
AA - ALUMINUM, ANODIZED
AP - ALUMINUM, PAINTED
MP - METAL, PAINTED
WP - WOOD, PAINTED
PL - PLASTIC LAMINATE
WT - WOOD, TRANSPARENT
VC - VINYL CLAD

NOTE: SEE COLOR & MATERIAL SCHEDULE FOR COLOR DESIGNATIONS.

7. HARDWARE:
HARDWARE GROUPS BY DOOR HARDWARE SUPPLIER

8. DETAILS:
SEE HEAD/JAMB DETAILS ON SHEET A-704 - A-706,
AND THRESHOLD DETAILS ON SHEET A-704 - A-706,
UNLESS OTHERWISE NOTED.

9. REMARKS LIST
NOTE: SEE STRUCTURAL FOR WIND PRESSURE TABLE.

G70
111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

#	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

SHEET NAME
DOOR TYPES, DOOR SCHEDULE & NOTES

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

DRAWN BY	CHECKED BY
Author	Checker

PROJECT NO.	SHEET NO.
221093-01	A701

SHEET ISSUE DATE
03/30/2026

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt
3/30/2026 5:37:27 PM

DOOR SCHEDULE

DOOR MARK	ROOM NAME	WIDTH	HEIGHT	DOOR TYPE (1)	THICKNESS	CONSTRUCTION (2)	FINISH	DOOR FINISH	GLASS (4)	LOUVER (5)	RATING (7)	FRAME MATERIAL	FRAME FINISH	HARDWARE GROUP (7)	HEAD (8) U.O.N	JAMB (8) U.O.N.	THRESHOLD (8) U.O.N.	REMARKS	RISK
59A	SECLUSION ANTE RM TO CORRIDOR	3' - 0"	7' - 0"	F	1 3/4"	HM	MP	JAVA , SMOOTH GRAIN	-			MP	PT-10	25.1	5/A705	5/A705	7/A705	HOSPITAL TIP HINGES, ANTI-LIGATURE DOOR HANDLES, CONCEALED CLOSER, PERIMETER SEAL, AUTOMATIC DOOR BOTTOM	HIGH
59B	SECLUSION ANTE RM TO DAYROOM	3' - 0"	7' - 0"	SRG3	1 3/4"	HM	MP	NIGHT RENDEZVOUS 1037-5	-			MP	PT-10	25.1	5/A705	5/A705	7/A705	HOSPITAL TIP HINGES, ANTI-LIGATURE DOOR HANDLES, CONCEALED CLOSER, PERIMETER SEAL, AUTOMATIC DOOR BOTTOM	HIGH
61	CORRIDOR	4' - 0"	7' - 0"	FG4	1 3/4"	HM	MP	NIGHT RENDEZVOUS 1037-5	PC			MP	PT-10	23.1	13/A705	5/A705	12/A705	1/2" UNDERCUT, HOSPITAL TIP HINGES, ANTI-LIGATURE DOOR HANDLES, CONCEALED CLOSER, CARD READER	MEDIUM
62	SECLUSION	4' - 0"	7' - 0"	FG2	1 3/4"	HM	FF	WINTER SKY 8792-58	PC		45 MIN	MP	PT-10	26.1 / BH2.0	1/A706	3/A706	2/A706	PADDED DOOR, ANTI-BARRICADE DOOR, ANTI-LIGATURE DOOR HANDLES, CONCEALED CLOSER, PERIMETER SEAL, AUTOMATIC DOOR BOTTOM, NO EXPOSED DR HARDWARE ON INSIDE FACE OF DOOR	HIGH
63A	VISIT/TELE (PATIENT SIDE)	3' - 0"	7' - 0"	FG4	1 3/4"	HM	MP	JAVA , SMOOTH GRAIN	PC			FF	JAVA, SMOOTH GRAIN	25.1	5/A705	5/A705, 2/A705	16/A705	HOSPITAL TIP HINGES, ANT-LIGATURE DOOR HANDLES, CONCEALED CLOSER, PERIMETER SEAL, AUTOMATIC DOOR BOTTOM	MEDIUM
63B	VISIT/TELE (STAFF SIDE)	3' - 0"	7' - 0"	FG4	1 3/4"	HM	MP	JAVA , SMOOTH GRAIN	PC			FF	JAVA, SMOOTH GRAIN	18.1	5/A705	5/A705	16/A705	HOSPITAL TIP HINGES, ANT-LIGATURE DOOR HANDLES, CONCEALED CLOSER, PERIMETER SEAL, AUTOMATIC DOOR BOTTOM, CARD READER	MEDIUM
64A	VISIT/INTAKE/DISCHARGE (PATIENT SIDE)	3' - 0"	7' - 0"	FG4	1 3/4"	HM	MP	JAVA, SMOOTH GRAIN	PC			FF	JAVA, SMOOTH GRAIN	25.1	5/A705	5/A705	16/A705	HOSPITAL TIP HINGES, ANT-LIGATURE DOOR HANDLES, CONCEALED CLOSER, PERIMETER SEAL, AUTOMATIC DOOR BOTTOM	MEDIUM
64B	VISIT/INTAKE/DISCHARGE (STAFF SIDE)	3' - 0"	7' - 0"	FG4	1 3/4"	HM	MP	JAVA, SMOOTH GRAIN	PC			FF	JAVA, SMOOTH GRAIN	18.1	5/A705	5/A705	16/A705	HOSPITAL TIP HINGES, ANT-LIGATURE DOOR HANDLES, CONCEALED CLOSER, PERIMETER SEAL, AUTOMATIC DOOR BOTTOM, CARD READER	MEDIUM
65	HW	6' - 0"	7' - 0"	F2	1 3/4"	HM	MP	JAVA, SMOOTH GRAIN	-			MP	PT-10	22.1	5/A705	5/A705	16/A705	HOSPITAL TIP HINGES, ANTI-LIGATURE DOOR HANDLES, CONCEALED CLOSER, PERIMETER SEAL, AUTOMATIC DOOR BOTTOM	MEDIUM
66	SOILED	3' - 0"	7' - 0"	F	1 3/4"	HM	MP	DARK ASH 1025-5	-		45 MIN	MP	PT-10	14.1	5/A705	5/A705	16/A705		LOW
67	TRASH	3' - 0"	7' - 0"	F	1 3/4"	HM	MP	DARK ASH 1025-5	-		45 MIN	MP	PT-10	14.1	5/A705	5/A705	8/A705		LOW
68	VESTIBULE	3' - 0"	7' - 0"	FG3	1 3/4"	HM	MP	JAVA , SMOOTH GRAIN	TG			MP	PT-10	24.1	5/A705	5/A705	16/A705	HOSPITAL TIP HINGES, ANTI-LIGATURE DOOR HANDLES, CONCEALED CLOSER, PERIMETER SEAL, AUTOMATIC DOOR BOTTOM	MEDIUM
69	FIRE	6' - 0"	7' - 0"	FL2	1 3/4"	HM	MP	COLOR-MATCH STO; FRENCH VANILLA #10609-79	-	SR		MP	COLOR-MATCH STO; FRENCH VANILLA #10609-79	6.1	9/A704	9/A704	10/A704	DOOR POSITION SWITCH	LOW
70	PAT BELONG	3' - 0"	7' - 0"	F	1 3/4"	HM	MP	DARK ASH 1025-5	-			MP	PT-10	15.1	5/A705	5/A705	16/A705		LOW
71	ELEC	3' - 0"	7' - 0"	FL	1 3/4"	HM	MP	COLOR-MATCH STO; FRENCH VANILLA #10609-79	-	SR	45 MIN	AP	COLOR-MATCH STO; FRENCH VANILLA #10609-79	3.1	9/A704	9/A704	10/A704	DOOR POSITION SWITCH	LOW
72A	TRANSPORT LOBBY TO SALLYPORT	4' - 0"	7' - 0"	FG4	1 3/4"	HM	MP	JAVA , SMOOTH GRAIN	PC			MP	PT-10	19.1	13/A705	2/A705	16/A705	HOSPITAL TIP HINGES, ANTI-LIGATURE DOOR HANDLES, CONCEALED CLOSERS, CARD READER	MEDIUM
72B	SALLYPORT TO CORRIDOR	4' - 0"	7' - 0"	FG4	1 3/4"	HM	MP	JAVA , SMOOTH GRAIN	PC			MP	PT-10	19.1	13/A705	2/A705	16/A705	HOSPITAL TIP HINGES, ANTI-LIGATURE DOOR HANDLES, CONCEALED CLOSERS, CARD READER	MEDIUM
73A	SECURITY	3' - 0"	7' - 0"	F	1 3/8"	SC	FF	HARVEST MAPLE 7953	TG			FF	HARVEST MAPLE 7953	8.1	5/A705	5/A705	3/A705	CARD READER	LOW
73B	SALLYPORT TO SECURITY	3' - 0"	7' - 0"	FG4	1 3/4"	HM	MP	JAVA , SMOOTH GRAIN	PC			FF	JAVA, SMOOTH GRAIN	18.1	5/A705	5/A705, 2/A705	4/A705	HOSPITAL TIP HINGES, ANTI-LIGATURE DOOR HANDLES, CONCEALED CLOSER, PERIMETER SEAL, AUTOMATIC DOOR BOTTOM, CARD READER	MEDIUM
74	SECURITY/DATA	3' - 0"	7' - 0"	F	1 3/4"	HM	MP	JAVA , SMOOTH GRAIN	-			MP	PT-10	9.1	5/A705	5/A705	12/A705	PERIMETER SEAL, AUTOMATIC DOOR BOTTOM	LOW
75A	TRANSPORT LOBBY (SIDE)	6' - 0"	7' - 0"	F2	1 3/4"	HM	MP	JAVA , SMOOTH GRAIN	-			MP	PT-10	4.1	9/A704	9/A704	11/A704	CARD READER	LOW
75B	TRANSPORT LOBBY (FRONT)	12' - 0"	7' - 9"	SRG1	4 1/2"	AA	FF	TBD	TG			AA	TBD	28.1	5/A704	7/A704	6/A704		LOW
76A	CHASE	2' - 6"	7' - 0"	F	1 3/4"	HM	MP	COLOR-MATCH STO; FRENCH VANILLA #10609-79	-			MP	COLOR-MATCH STO; FRENCH VANILLA #10609-79	7.1	9/A704	9/A704	10/A704	1/2" UNDERCUT, HOSPITAL TIP HINGES, ANTI-LIGATURE DOOR HANDLES, CONCEALED CLOSER	HIGH
76B	CHASE	2' - 6"	7' - 0"	F	1 3/4"	HM	MP	COLOR-MATCH STO; FRENCH VANILLA #10609-79	-			MP	COLOR-MATCH STO; FRENCH VANILLA #10609-79	7.1	9/A704	9/A704	10/A704	1/2" UNDERCUT, HOSPITAL TIP HINGES, ANTI-LIGATURE DOOR HANDLES, CONCEALED CLOSER	HIGH
77A	CR LOBBY/WAITING TO CR INTAKE/CONSULT	3' - 0"	7' - 0"	FG4	1 3/4"	HM	MP	JAVA, SMOOTH GRAIN	PC			MP	PT-10	25.1	5/A705	5/A705	12/A706	HOSPITAL TIP HINGES, ANTI-LIGATURE DOOR HANDLES, CONCEALED CLOSER, PERIMETER SEAL, AUTOMATIC DOOR BOTTOM	HIGH
77B	CR OBSERVATION TO CR INTAKE/CONSULT	3' - 0"	7' - 0"	FG4	1 3/4"	HM	MP	JAVA, SMOOTH GRAIN	PC			MP	PT-10	25.1	5/A705	5/A705	16/A705	HOSPITAL TIP HINGES, ANTI-LIGATURE DOOR HANDLES, CONCEALED CLOSER, PERIMETER SEAL, AUTOMATIC DOOR BOTTOM	
77F																			
78	CR PATIENT TOILET	3' - 0"	7' - 0"	F	1 3/4"	HM	MP	WINTER SKY 8792-58				MP	PT-10	27.1	5/A705	5/A705	7/A705	1/2" UNDERCUT, HOSPITAL TIP HINGES, ANTI-LIGATURE DOOR HANDLES, CONCEALED CLOSER	HIGH
79	CR QUIET ROOM	3' - 0"	7' - 0"	FG4	1 3/4"	HM	MP	JAVA, SMOOTH GRAIN	PC			MP	PT-10	25.1	5/A705	5/A705	16/A705	HOSPITAL TIP HINGES, ANTI-LIGATURE DOOR HANDLES, CONCEALED CLOSER, PERIMETER SEAL, AUTOMATIC DOOR BOTTOM	HIGH
80	CR OBSERVATION	3' - 0"	7' - 0"	FG4	1 3/4"	HM	MP	JAVA, SMOOTH GRAIN	PC			MP	PT-10	25.1	5/A705	5/A705	16/A705	HOSPITAL TIP HINGES, ANTI-LIGATURE DOOR HANDLES, CONCEALED CLOSER	HIGH
81A	CR NURSE STATION TO STAFF CORRIDOR	3' - 0"	7' - 0"	F	1 3/4"	HM	MP	WINTER SKY 8792-58				MP	PT-10	16.1	5/A705	5/A705	12/A705	PERIMETER SEAL, AUTOMATIC DOOR BOTTOM	LOW
81B	CR NURSE STATION TO CR OBSERVATION	3' - 0"	7' - 0"	FG4	1 3/4"	HM	MP	JAVA, SMOOTH GRAIN	PC			MP	PT-10	25.1	1/A705	1/A705	12/A705	HOSPITAL TIP HINGES, ANTI-LIGATURE DOOR HANDLES, CONCEALED CLOSER, PERIMETER SEAL, AUTOMATIC DOOR BOTTOM	HIGH
82	CR PATIENT SHOWER	3' - 0"	7' - 0"	F	1 3/4"	HM	MP	WINTER SKY 8792-58	FT			MP	PT-10	27.1	1/A705	1/A705	7/A705	1/2" UNDERCUT, HOSPITAL TIP HINGES, ANTI-LIGATURE DOOR HANDLES, CONCEALED CLOSER	LOW
83	OFFICE (1)	3' - 0"	7' - 0"	FG3	1 3/4"	SC	WS	HARVEST MAPLE 7953	TG			FF	HARVEST MAPLE 7953	13.1	1/A705	1/A705	4/A705	PERIMETER SEAL, AUTOMATIC DOOR BOTTOM	LOW
84	OFFICE (1)	3' - 0"	7' - 0"	FG3	1 3/4"	SC	WS	HARVEST MAPLE 7953	TG			FF	HARVEST MAPLE 7953	13.1	1/A705	1/A705	4/A705	PERIMETER SEAL, AUTOMATIC DOOR BOTTOM	LOW
85	STORAGE	3' - 0"	7' - 0"	F	1 3/8"	SC	WS	HARVEST MAPLE 7953				MP	PT-10	15.1	5/A705	5/A705	16/A705		LOW
86	MECHANICAL YARD GATE	6' - 0"	10' - 0"	AG1	2"	A	FF	TBD				FF	TBD	30.1	TBD	TBD	TBD	KEY FOR MAINTENANCE ONLY. FNISH TO MATCH SOUND BARRIER WALL	LOW
87	MECHANICAL YARD GATE	6' - 0"	10' - 0"	AG1	2"	A	FF	TBD				FF	TBD	30.1	TBD	TBD	TBD	KEY FOR MAINTENANCE ONLY. FNISH TO MATCH SOUND BARRIER WALL	LOW
88	MAINTENANCE GATE	6' - 0"	6' - 0"	MG1	2"	AL	FF	TBD				FF	TBD	30.1	1/L203	1/L203	1/L203	KEY FOR MAINTENANCE ONLY	LOW

DOOR NOTES LIST

1. DOOR TYPES
B - BI-FOLD
BL - BI-FOLD LOUVER
CD - COUNTER DOOR
CG - COUNTER GRILLE
F - FLUSH
FG - FLUSH GLAZING
FL - FLUSH LOUVER
FM - FLUSH WITH MOULDING
FLO - FLUSH LOCK-OFF
G - GARAGE
GL - GLASS
MG - METAL GATE
OD - OVERHEAD DOOR
OG - OVERHEAD GRILLE
OP - OPERABLE PARTITION
SFD - SLIDING FOLDING DOOR
SG - SLIDING GLASS
SR - STILE RAIL
SRG - STILE RAIL GLASS

NOTE: SUB-TYPES ARE INDICATED BY A NUMERAL

2. DOOR CONSTRUCTION:
A - ACOUSTICAL
AL - ALUMINUM
B - BULLET PROOF
E - EXISTING
GL - GLASS
HC - HOLLOW CORE
HM - HOLLOW METAL
M - METAL
PB - LEAD LINED
SC - SOLID CORE
SR - STILE & RAIL
FRP - FIBERGLASS

3. DOOR FINISH:
AA - ALUMINUM, ANODIZED
AP - ALUMINUM, PAINTED
FF - FACTORY FINISH
MP - METAL, PAINTED
WP - WOOD, PAINTED
WS - WOOD, STAINED
PL - PLASTIC LAMINATE
WT - WOOD, TRANSPARENT
VC - VINYL CLAD

NOTE: SEE COLOR & MATERIAL SCHEDULE FOR COLOR DESIGNATIONS.

4. GLASS TYPES:
ALL GLASS SHALL BE 1/4" THK. U.O.N.

BR - SECURITY GLASS-BALLISTIC RESISTANT
DG - DECORATIVE GLASS
FE - SECURITY GLASS-FORCED ENTRY
FG - FLOAT GLASS
FS - FIRE SAFETY GLASS
FR - FIRE RATED GLASS
HR - HURRICANE RESISTANT GLASS
HS - HEAT STRENGTHENED GLASS
IG - INSULATING GLAZING
LG - LAMINATED GLASS
LL - LEAD GLASS
MG - ONE WAY VISION GLASS
PG - PATTERNED GLASS
TG - TEMPERED GLASS
WG - WIRE GLASS (HORIZONTAL/ VERTICAL WIRE ORIENTATION)
WPG - WIRE PATTERNED GLASS

5. DOOR LOUVER TYPES:
AD - ADJUSTABLE
LP - LIGHTPROOF
SB - STANDARD BLADE
SP - SIGHTPROOF
SR - STORM RESISTANT

DOOR LOUVER CONSTRUCTION & FINISH:
AA - ALUMINUM, ANODIZED
AP - ALUMINUM, PAINTED
WP - WOOD, PAINTED
WT - WOOD, TRANSPARENT

6. FRAME CONSTRUCTION/CASING & FINISH:
AA - ALUMINUM, ANODIZED
AP - ALUMINUM, PAINTED
FF - FACTORY FINISHED
MP - METAL, PAINTED
WP - WOOD, PAINTED
PL - PLASTIC LAMINATE
WT - WOOD, TRANSPARENT
VC - VINYL CLAD

NOTE: SEE COLOR & MATERIAL SCHEDULE FOR COLOR DESIGNATIONS.

7. HARDWARE:
HARDWARE GROUPS BY DOOR HARDWARE SUPPLIER

8. DETAILS:
SEE HEAD/JAMB DETAILS ON SHEET A-___,
AND THRESHOLD DETAILS ON SHEET A-___,
UNLESS OTHERWISE NOTED.

9. REMARKS LIST
NOTE: SEE STRUCTURAL FOR WIND PRESSURE TABLE.

G70
111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

#	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

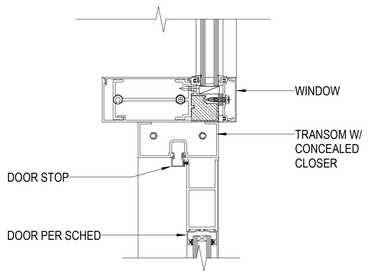
SHEET NAME
DOOR SCHEDULE & NOTES

SCALE:

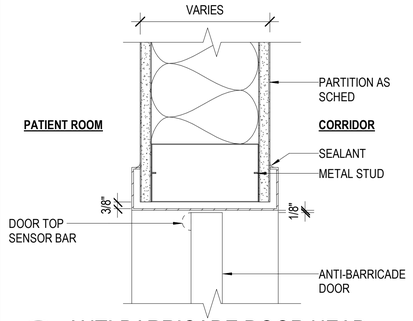
DRAWN BY	CHECKED BY
Author	Checker
PROJECT NO. 221093-01	SHEET NO. A703
SHEET ISSUE DATE 03/30/2026	

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

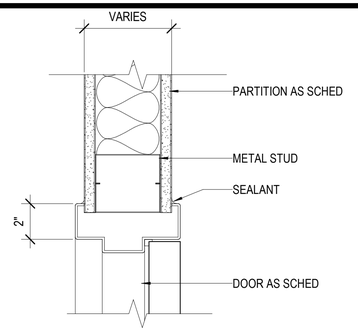
3/30/2026 5:37:28 PM



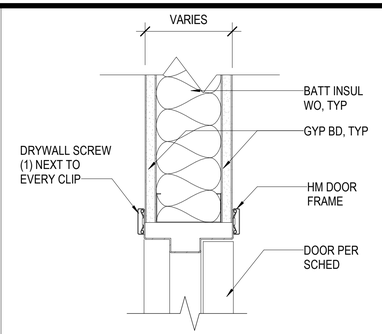
13 INT TRANSOM HEAD
SCALE: 3" = 1'-0"



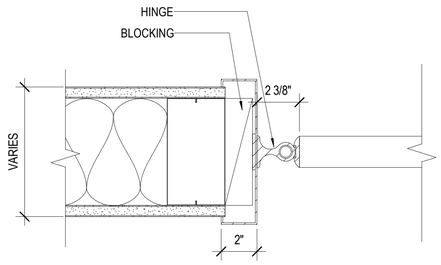
9 ANTI-BARRICADE DOOR HEAD
SCALE: 3" = 1'-0"

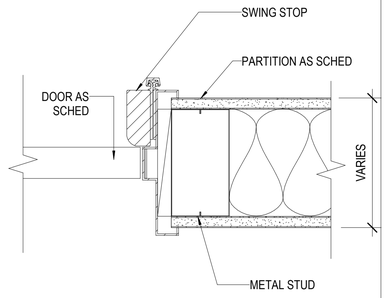


5 INT HM HEAD (JAMB SIM)
SCALE: 3" = 1'-0"

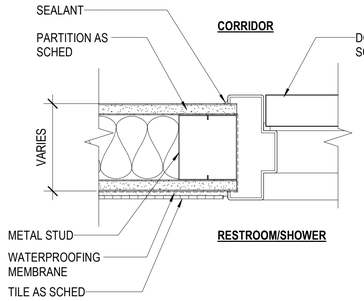


1 INT HM HEAD (JAMB SIM)
SCALE: 3" = 1'-0"

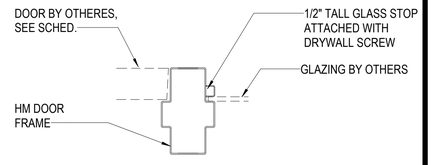




14 ANTI-BARRICADE DOOR JAMB
SCALE: 3" = 1'-0"



6 HM DOOR JAMB - TILE
SCALE: 3" = 1'-0"



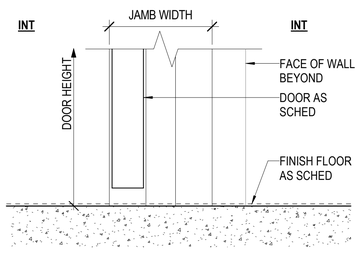
2 HM DOOR JAMB - GLAZING
SCALE: 3" = 1'-0"

15 INT HM HEAD W/ TRANSOM ABOVE
SCALE: 3" = 1'-0"

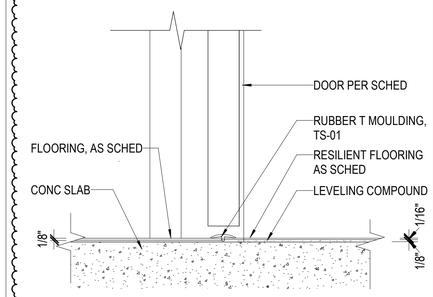
11 DOOR SILL - TILE TO TILE
SCALE: 3" = 1'-0"

7 DOOR SILL - TILE TO RF
SCALE: 3" = 1'-0"

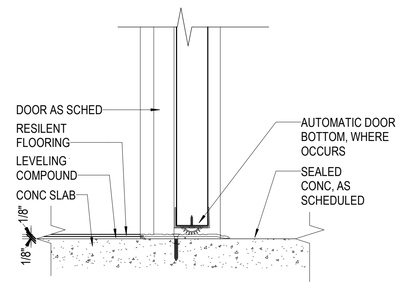
3 DOOR SILL - TILE TO CPT
SCALE: 3" = 1'-0"



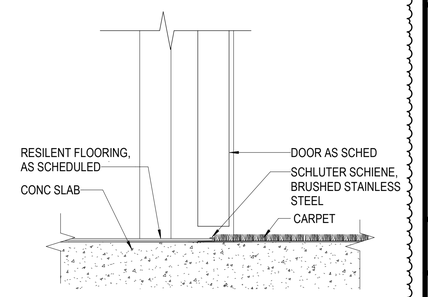
16 THRESHOLD (NO THRESHOLD)
SCALE: 3" = 1'-0"



12 DOOR SILL - RF OR SDT TO RF
SCALE: 3" = 1'-0"



8 THRESHOLD - RF TO SC
SCALE: 3" = 1'-0"



4 DOOR SILL - RF TO CPT
SCALE: 3" = 1'-0"

G70
111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

#	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

SHEET NAME
DOOR DETAILS

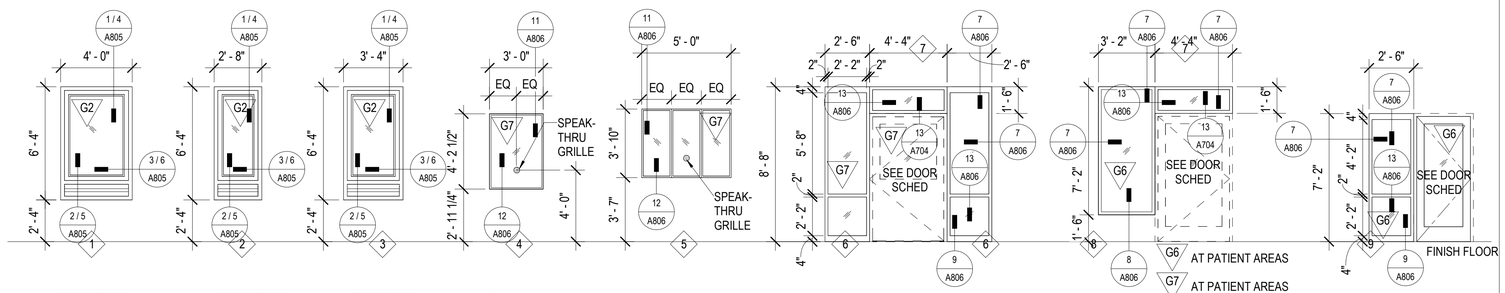
SCALE: 3" = 1'-0"

DRAWN BY	CHECKED BY
Author	Checker
PROJECT NO.	SHEET NO.
221093-01	A705
SHEET ISSUE DATE	
03/30/2026	

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

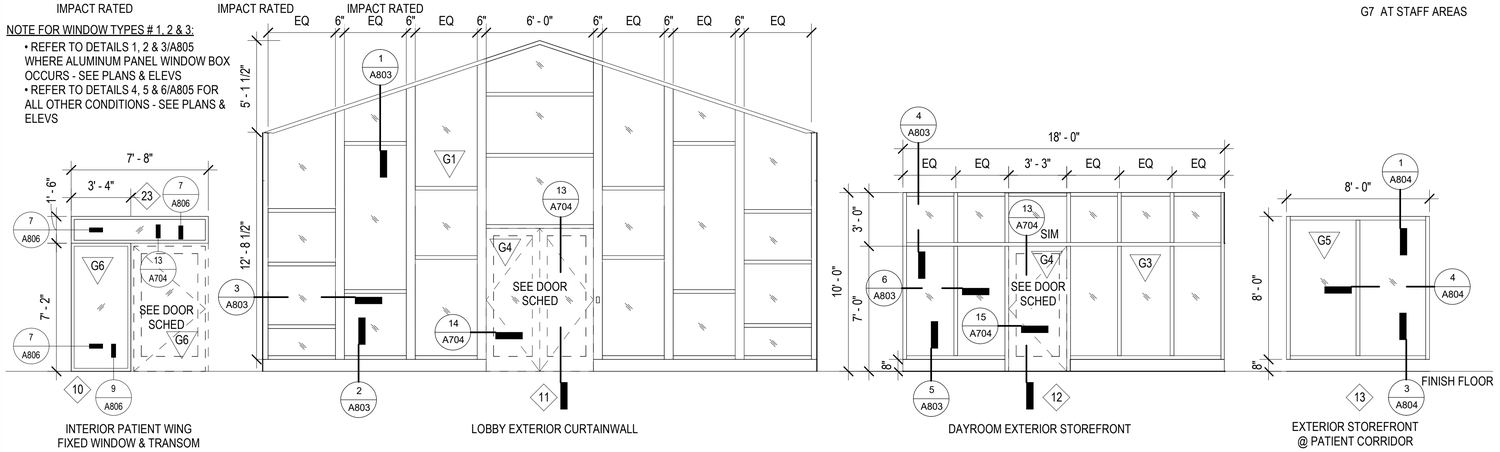
3/30/2026 5:37:30 PM

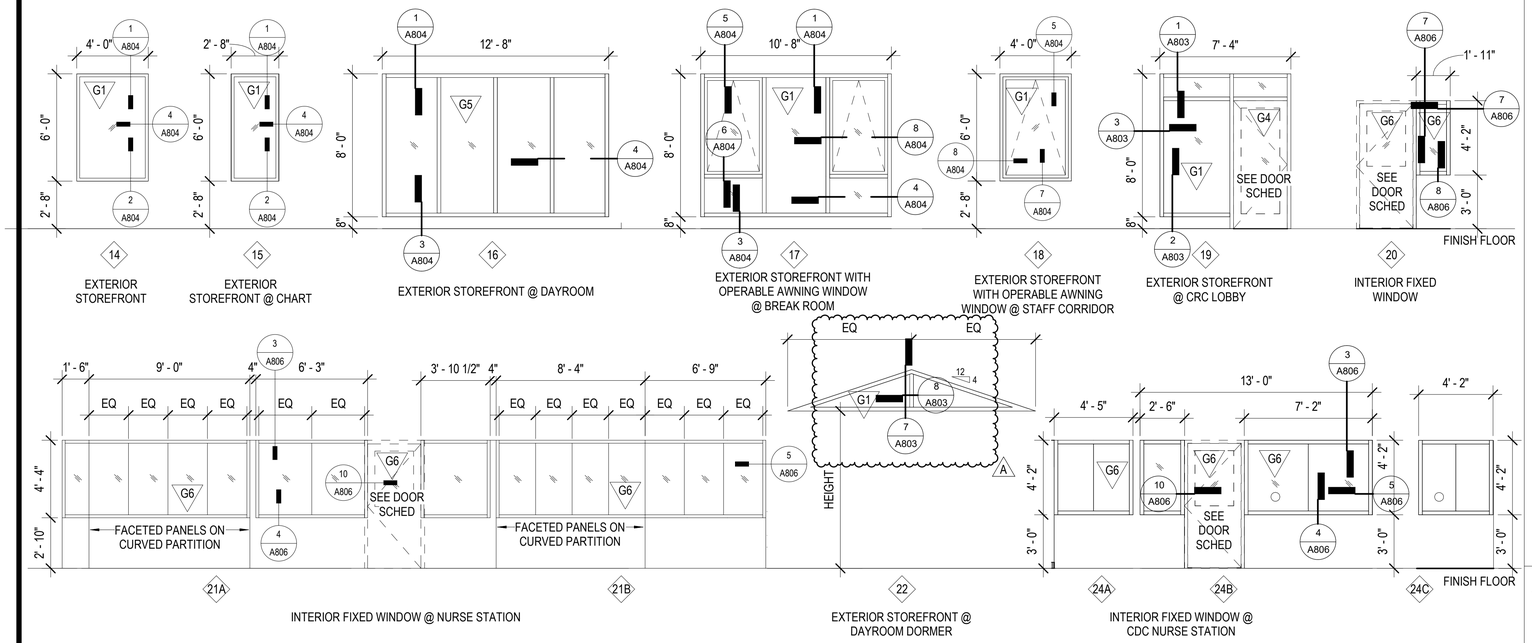
WINDOW TYPES



NOTE FOR WINDOW TYPES # 1, 2 & 3:

- REFER TO DETAILS 1, 2 & 3/A805 WHERE ALUMINUM PANEL WINDOW BOX OCCURS - SEE PLANS & ELEVS
- REFER TO DETAILS 4, 5 & 6/A805 FOR ALL OTHER CONDITIONS - SEE PLANS & ELEVS



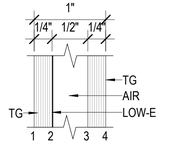


WINDOW & LOUVER NOTES LIST

1. GLASS IS 1/4" THICK, UNLESS NOTED OTHERWISE. SEE REMARKS LIST.
2. ALL WINDOW DIMENSIONS IN CMU WALLS ARE SHOWN AS NOMINAL DIMENSIONS. COORDINATE ALL WINDOW AND ROUGH OPENING DIMENSIONING WITH CMU BLOCK MODULE.
3. GLAZING TYPES:
   AG - ACOUSTIC GLASS
   BR - SECURITY GLASS - BALLISTIC RESISTANT
   CVG - CERAMIC COATED VISION GLASS
   FE - SECURITY GLASS - FORCED ENTRY
   FG - FLOAT GLASS
   FR - FIRE RATED GLASS
   HR - HURRICANE RESISTANT GLASS
   HS - HEAT STRENGTHENED GLASS
   IG - INSULATED GLAZING
   LG - LAMINATED GLASS
   MG - ONE WAY VISION GLASS
   PC - POLYCARBONATE GLAZING
   SG - CERAMIC COATED SPANDREL GLASS
   TG - TEMPERED GLASS
   WG - WIRE GLASS
4. GLASS TREATMENTS:
   AIR - AIR SPACE
   ARG - ARGON-FILLED AIR SPACE
   LOW-E - LOW-E COATING
   PVB - POLY VINYL BUTYL INTERLAYER
   IP - IONOPLAST-POLYMER INTERLAYER
   SI - SECURITY LAMINATE INTERLAYER
5. LOUVER TYPES:
   A - ACOUSTICAL
   AB - ADJUSTABLE BLADE
   DB - DRAINABLE BLADE
   SB - STANDARD BLADE
   SR - STORM RESISTANT
   SP - SIGHT PROOF
6. RATING:
   WINDOWS AND GLASS RATINGS AS APPLICABLE, ARE SHOWN IN MINUTES.
7. NOTE: CONTRACTOR SHALL VERIFY DIMENSIONS IN FIELD TO ACHIEVE ALL MULLION ALIGNMENTS WITH ADJACENT BUILDING COMPONENTS AS NOTED ON THE PLANS.
9. U-FACTORS LISTED IN IGU PROFILES BELOW ARE FOR THE TOTAL WINDOW ASSEMBLY, INCLUDING GLAZING AND FRAMES. IGU PROFILES:

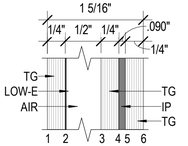
EXTERIOR

G1



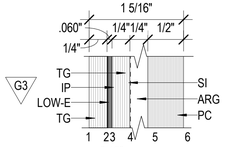
PERFORMANCE TARGETS
VLT = 60%
U-FACTOR = 0.27
SHGC = 0.25
BOD: #2 GUARDIAN SUNGUARD SNX 60+ CLEAR

G2



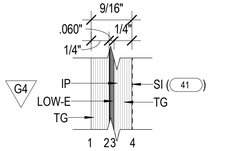
PERFORMANCE TARGETS
VLT = 60%
U-FACTOR = 0.26
SHGC = 0.25
BOD: #2 GUARDIAN SUNGUARD SNX 60+ CLEAR
#4 KURARAY SENTRYGLAS IONOPLAST

G3



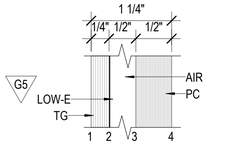
PERFORMANCE TARGETS
VLT = 51%
U-FACTOR = 0.49 (0.50 MAX)
SHGC = 0.24 (0.40 MAX)
BOD: #2 GUARDIAN SUNGUARD SNX 60+ CLEAR
#3 KURARAY SENTRYGLAS IONOPLAST
#4 ACE LAMINATES 200 SERIES SL9
#5 AZ POLYMERS AZCARB AR (COATED)

G4



PERFORMANCE TARGETS
VLT = 57%
U-FACTOR = 0.87 (1.10 MAX)
SHGC = 0.30 (0.40 MAX)
BOD: #2 GUARDIAN SUNGUARD SNX 60+ CLEAR
#3 KURARAY SENTRYGLAS IONOPLAST
#4 ACE LAMINATES 200 SERIES SL9 (41)

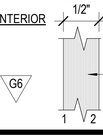
G5



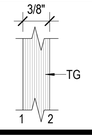
PERFORMANCE TARGETS
VLT = 58%
U-FACTOR = 0.25 (0.50 MAX)
SHGC = 0.26 (0.30 MAX)
BOD: #2 GUARDIAN SUNGUARD SNX 60+ CLEAR
#3 AZ POLYMERS AZCARB AR (COATED)

INTERIOR

G6



G7



G70
111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

#	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

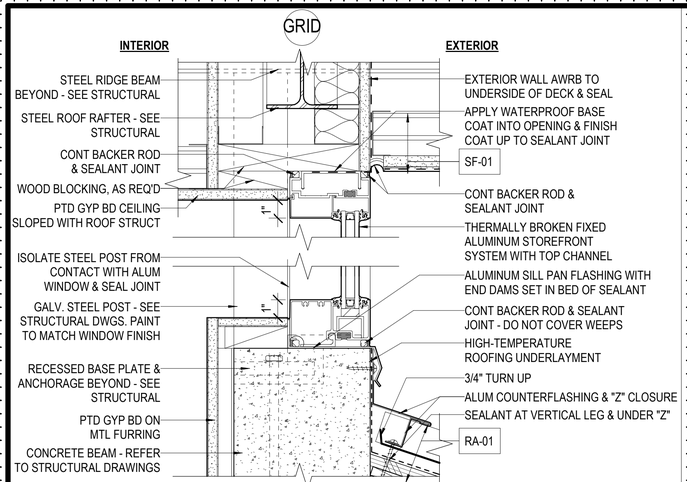
SHEET NAME
WINDOW TYPES

SCALE: As indicated

DRAWN BY	CHECKED BY
Author	Checker
PROJECT NO.	SHEET NO.
221093-01	A801
SHEET ISSUE DATE	
03/30/2026	

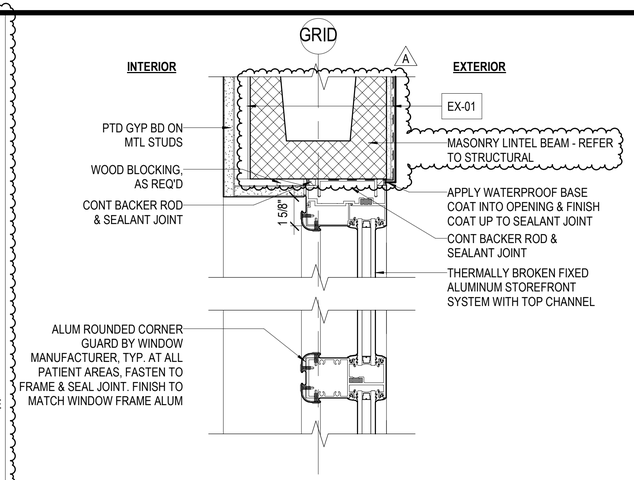
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

3/30/2026 5:37:36 PM



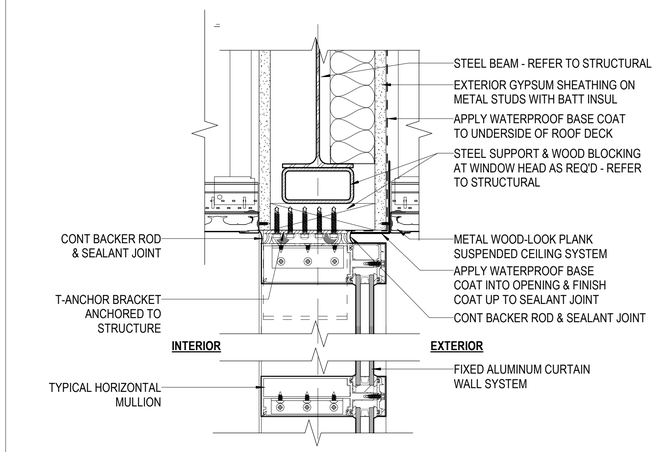
7 DORMER SILL & HEAD DETAIL - DAYROOM

SCALE: 3" = 1'-0"



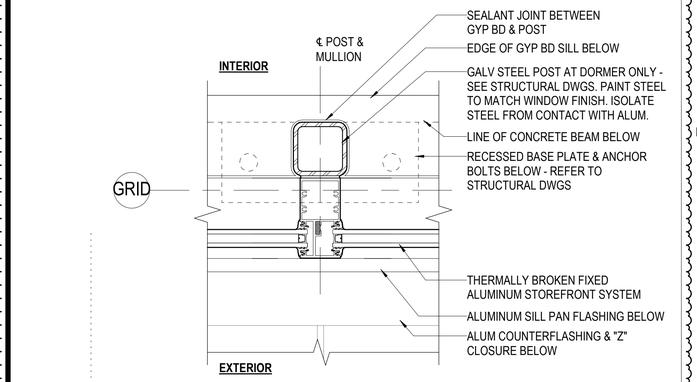
4 STOREFRONT HEAD DETAIL - DAYROOM

SCALE: 3" = 1'-0"



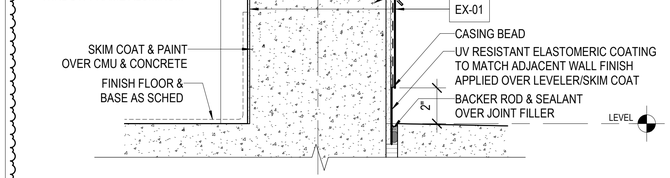
1 CURTAINWALL HEAD DETAIL - LOBBY

SCALE: 3" = 1'-0"



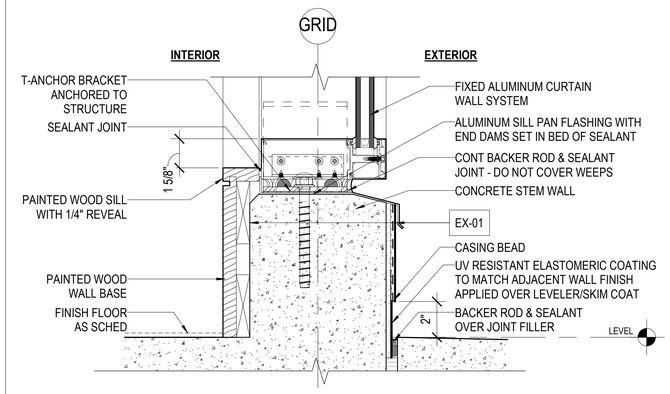
8 DORMER MULLION DETAIL - DAYROOM

SCALE: 3" = 1'-0"



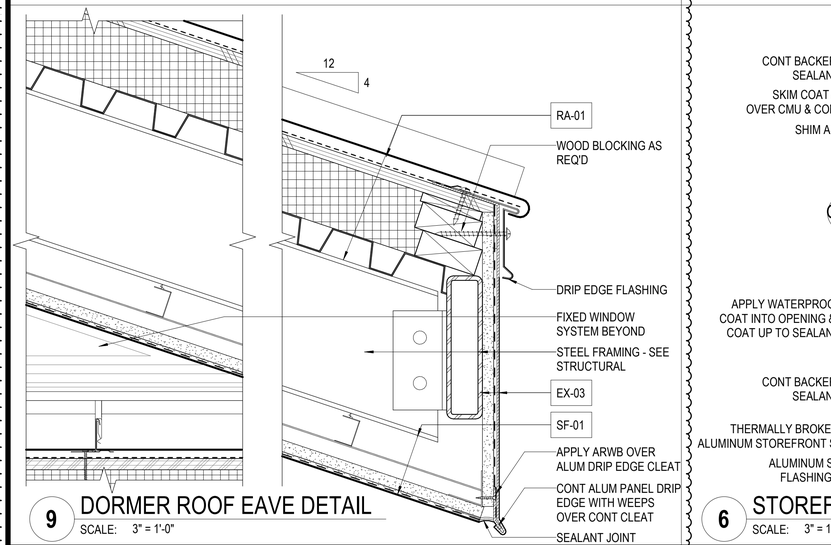
5 STOREFRONT SILL DETAIL - DAYROOM

SCALE: 3" = 1'-0"



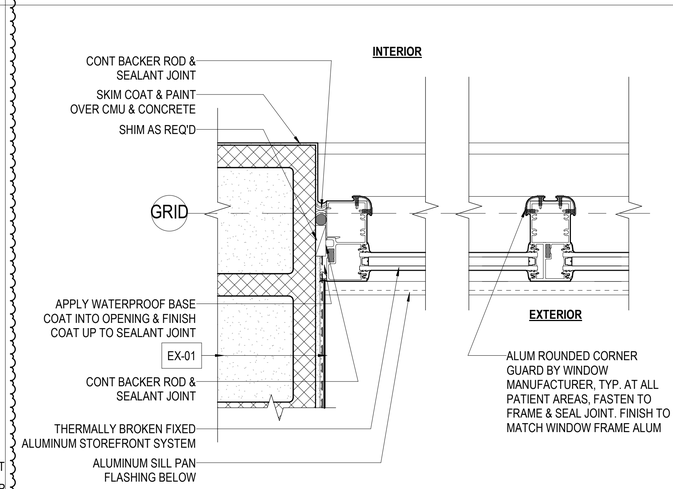
2 CURTAINWALL SILL DETAIL - LOBBY

SCALE: 3" = 1'-0"



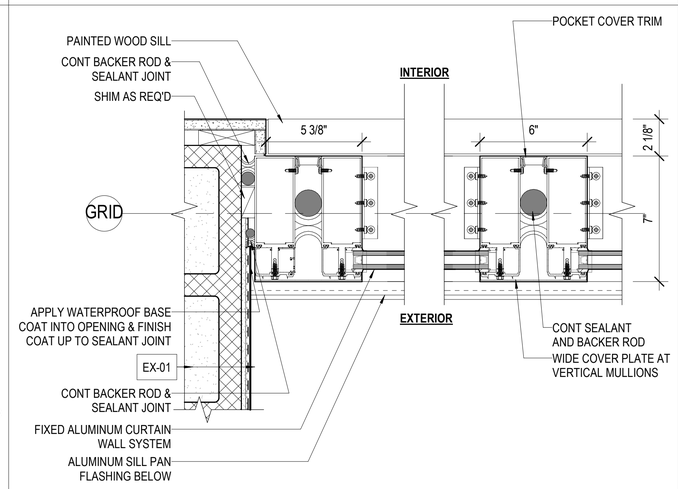
9 DORMER ROOF EAVE DETAIL

SCALE: 3" = 1'-0"



6 STOREFRONT JAMB DETAIL - DAYROOM

SCALE: 3" = 1'-0"



3 CURTAINWALL JAMB DETAIL - LOBBY

SCALE: 3" = 1'-0"

G70

111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

#	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

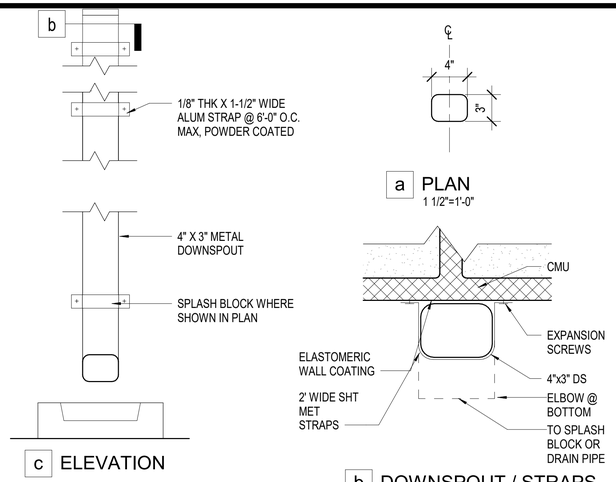
SHEET NAME
WINDOW DETAILS

SCALE: 3" = 1'-0"

DRAWN BY	CHECKED BY
Author	Checker
PROJECT NO.	**SHEET NO.**
221093-01	**A803**
SHEET ISSUE DATE	
03/30/2026	

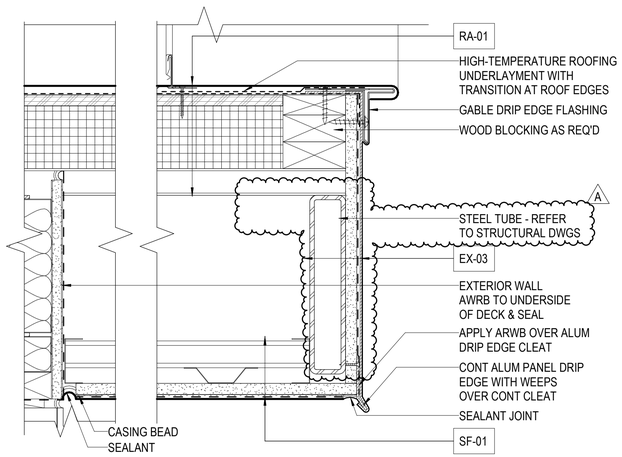
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

3/30/2026 5:37:37 PM



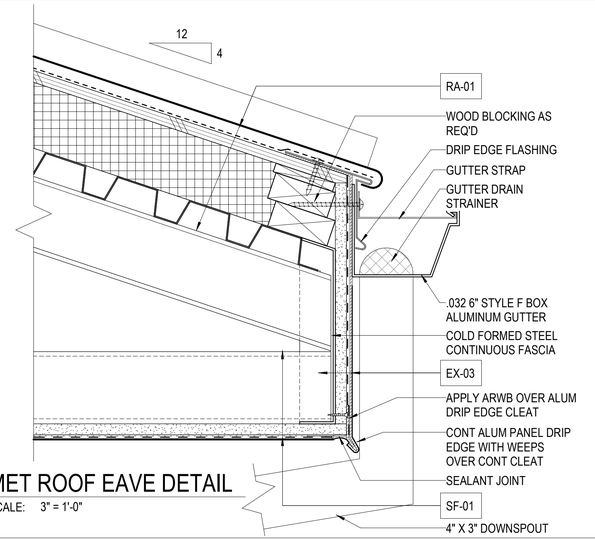
7 DOWNSPOUT DETAIL

SCALE: 1 1/2" = 1'-0"



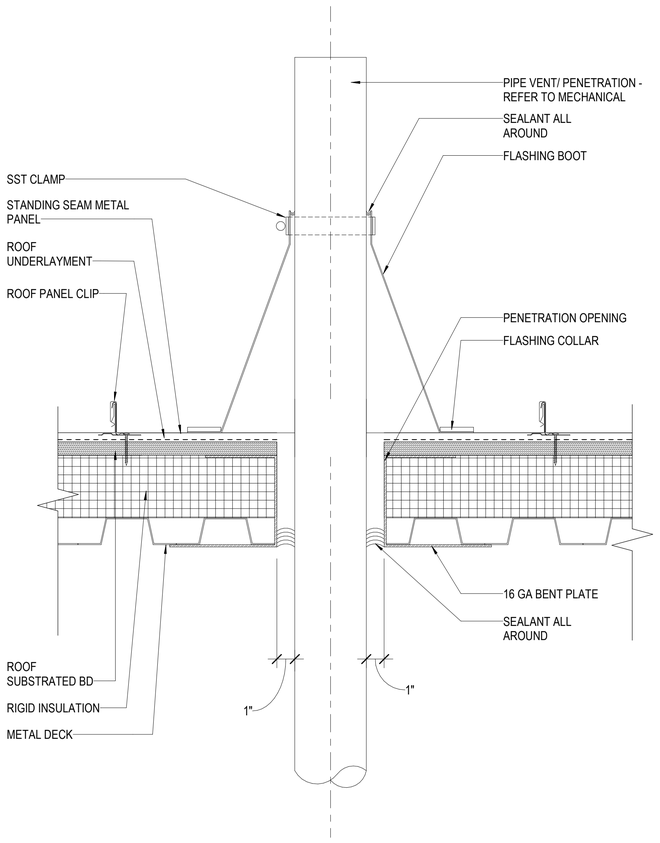
4 TYP METAL ROOF GABLE DETAIL

SCALE: 3" = 1'-0"



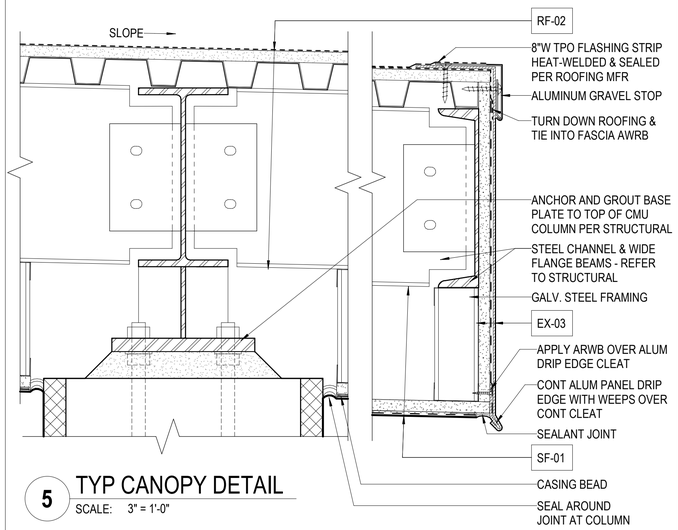
1 MET ROOF EAVE DETAIL

SCALE: 3" = 1'-0"



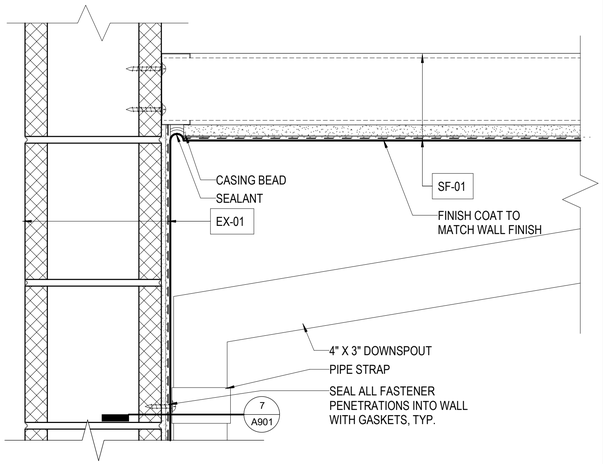
9 ROOF TYP PENETRATION

SCALE: 3" = 1'-0"



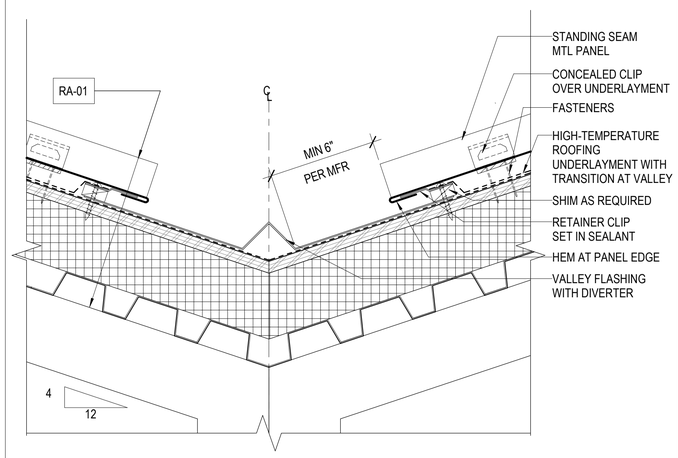
5 TYP CANOPY DETAIL

SCALE: 3" = 1'-0"



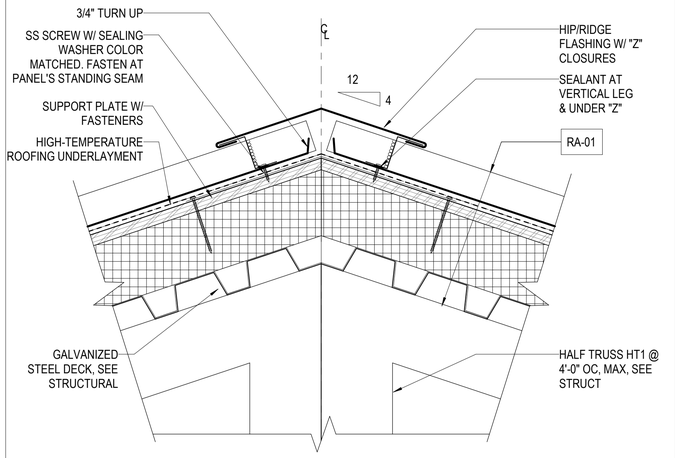
2 DEFS SOFFIT DETAIL

SCALE: 3" = 1'-0"



6 VALLEY FLASHING

SCALE: 3" = 1'-0"



3 RIDGE/HIP FLASHING

SCALE: 3" = 1'-0"

G70
111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

#	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

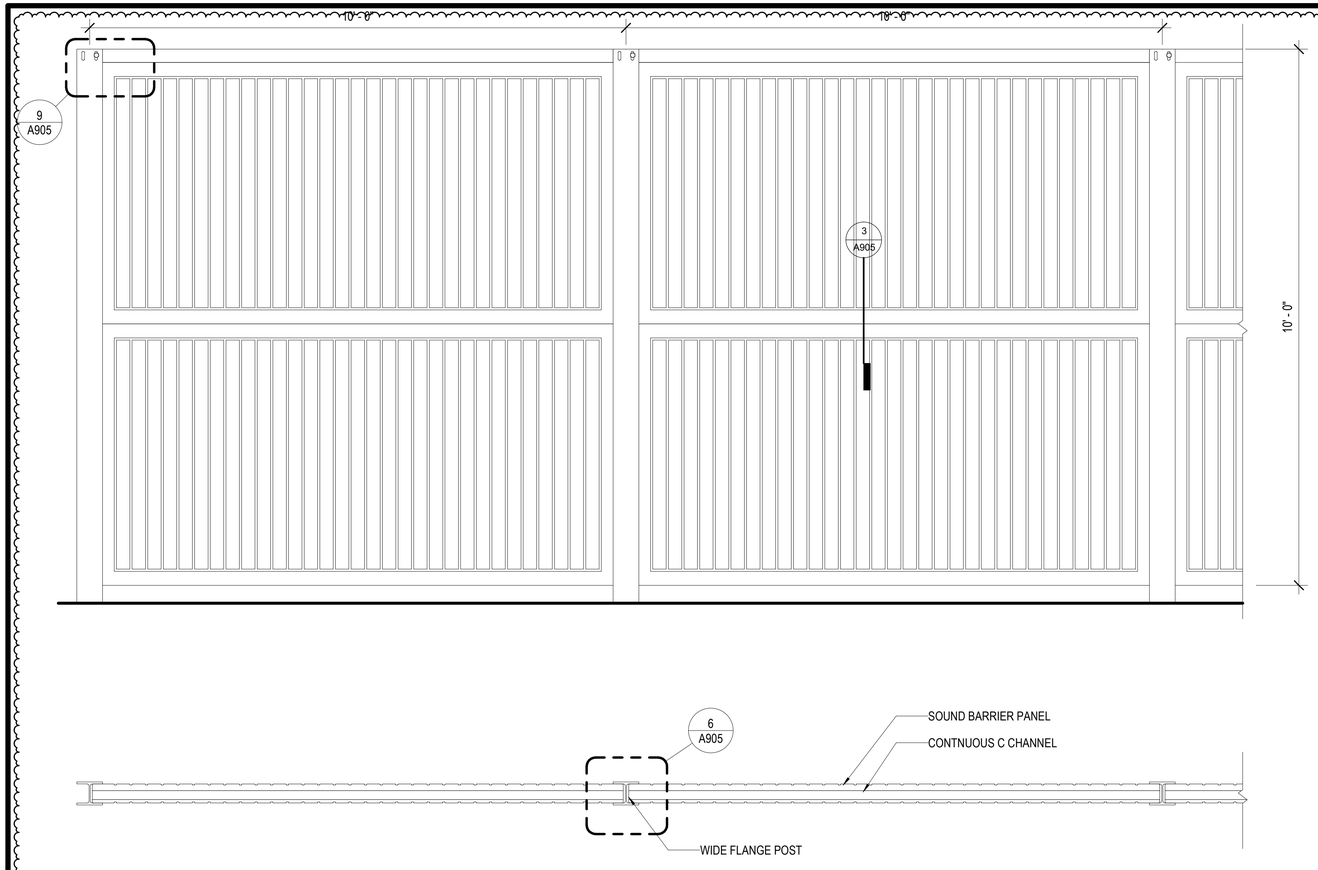
SHEET NAME
METAL ROOFING DETAILS

SCALE: As indicated

DRAWN BY	CHECKED BY
Author	Checker
PROJECT NO.	SHEET NO.
221093-01	A901
SHEET ISSUE DATE	
03/30/2026	

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

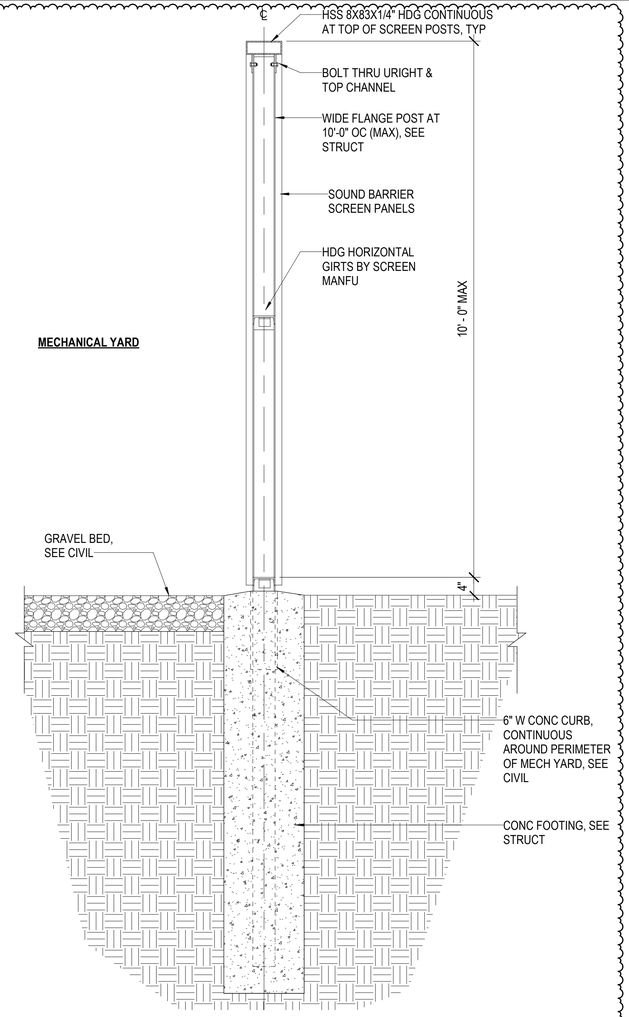
3/30/2026 5:37:39 PM





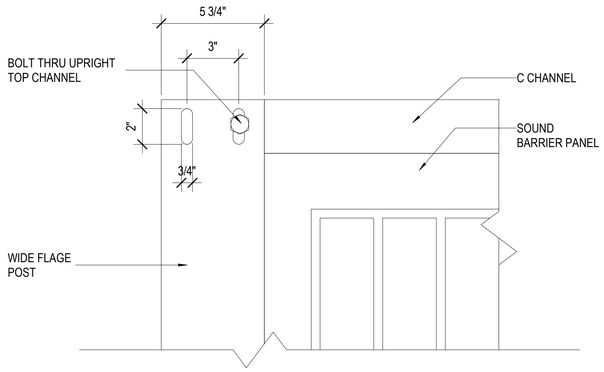
8 PANEL ELEVATION & TYP BEAM SPACING

SCALE: 3/4" = 1'-0"



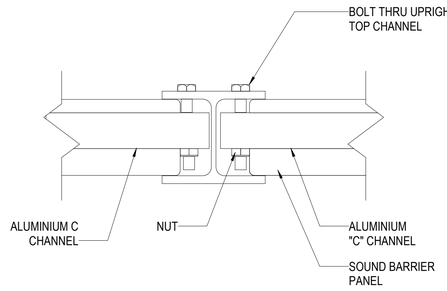
2 SOUND BARRIER SCREEN SECTION

SCALE: 3/4" = 1'-0"



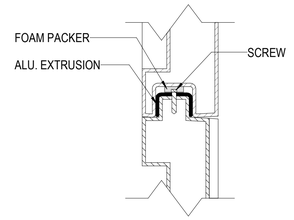
9 C CHANNEL POST CONNECTION DETAIL

SCALE: 3" = 1'-0"



6 PANEL TO POST CONNECTION DETAIL

SCALE: 3" = 1'-0"



3 PANEL SECTION DETAIL

SCALE: 3" = 1'-0"

A

G70
111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

#	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

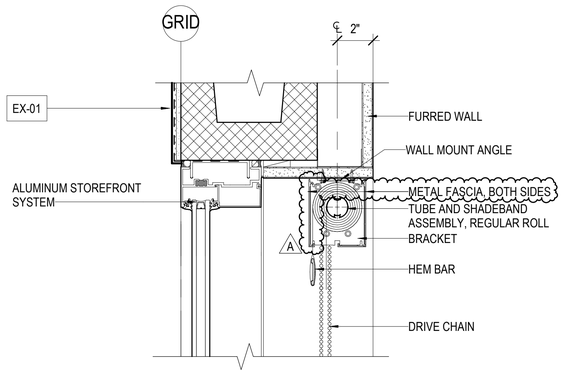
SHEET NAME
MECHANICAL YARD DETAILS

SCALE: As indicated

DRAWN BY	CHECKED BY
Author	Checker
PROJECT NO.	SHEET NO.
221093-01	A905
SHEET ISSUE DATE	
03/30/2026	

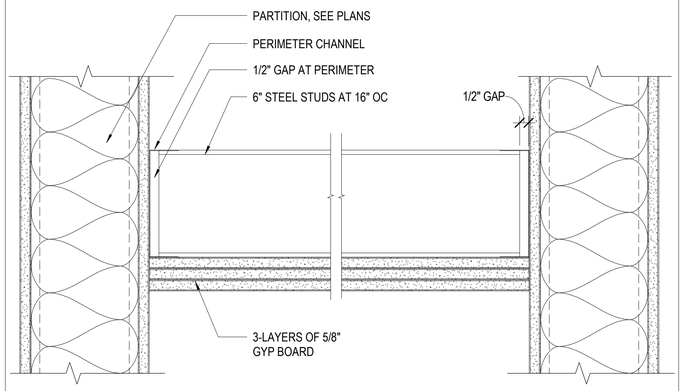
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

3/30/2026 5:37:40 PM



7 ROLLER SHADE, TYP

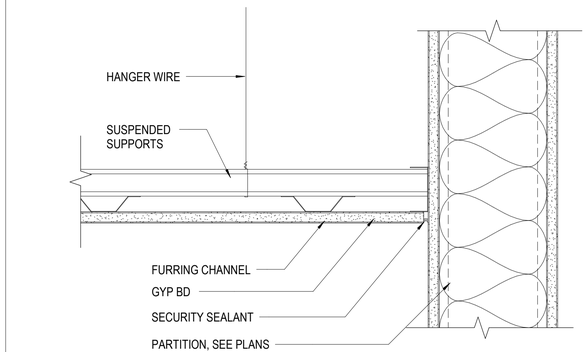
SCALE: 3" = 1'-0"



BASIS OF DESIGN:
DESIGN NO. I501, UL 263

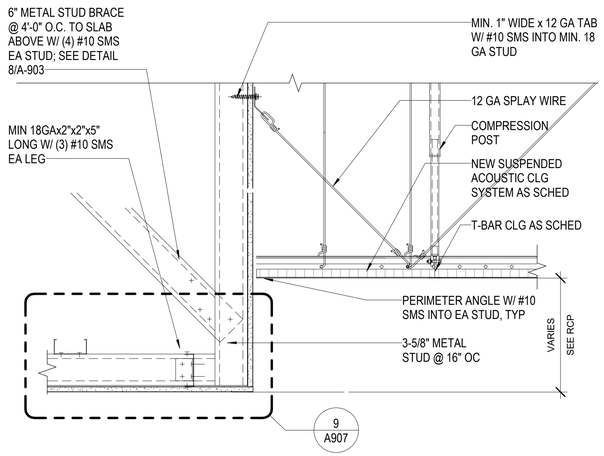
4 1-HOUR CEILING

SCALE: 3" = 1'-0"



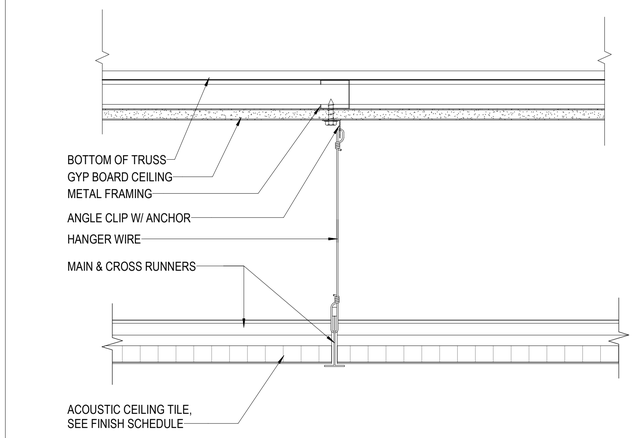
1 GYP BD CEILING, EDGE, TYP

SCALE: 3" = 1'-0"



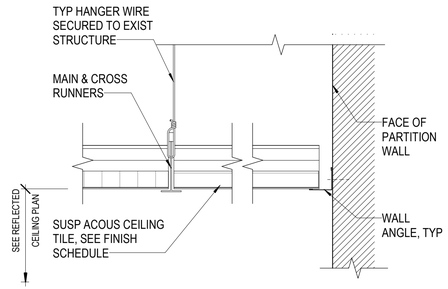
8 GYP BD SOFFIT TO ACT

SCALE: 1 1/2" = 1'-0"



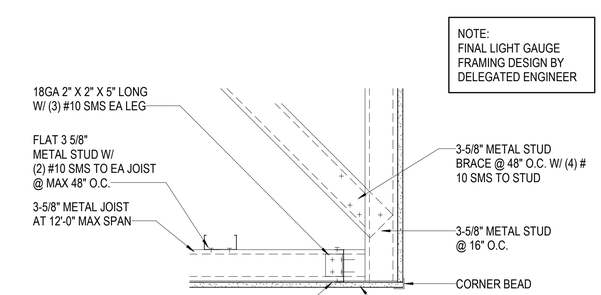
5 SUSPENDED SECURITY CEILING, MAIN SUPPORT

SCALE: 3" = 1'-0"



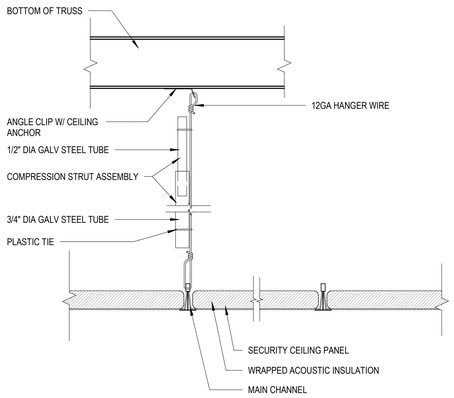
2 ACT CEILING, EDGE, TYP

SCALE: 3" = 1'-0"



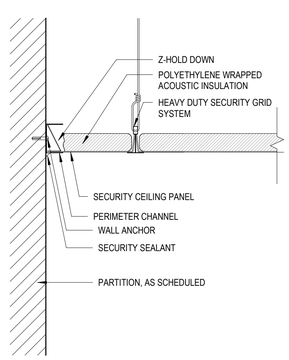
9 GYP BD SOFFIT, TYP

SCALE: 1 1/2" = 1'-0"



6 SUSPENDED SECURITY CEILING, MAIN SUPPORT

SCALE: 3" = 1'-0"



3 SUSPENDED SECURITY CEILING EDGE, TYP

SCALE: 3" = 1'-0"

G70
111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

#	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

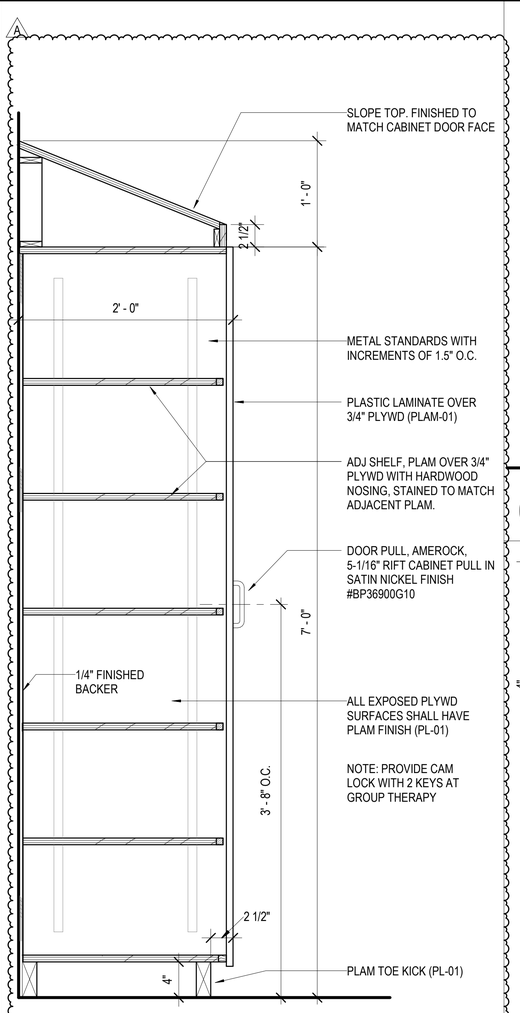
SHEET NAME
CEILING DETAILS

SCALE: As indicated

DRAWN BY	CHECKED BY
Author	Checker
PROJECT NO.	SHEET NO.
221093-01	A907
SHEET ISSUE DATE	
03/30/2026	

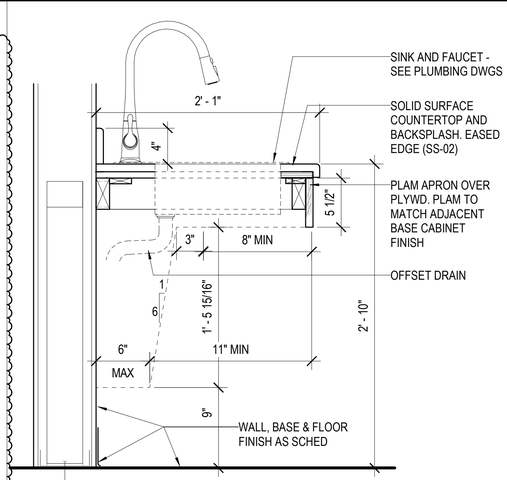
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

3/30/2026 5:37:41 PM



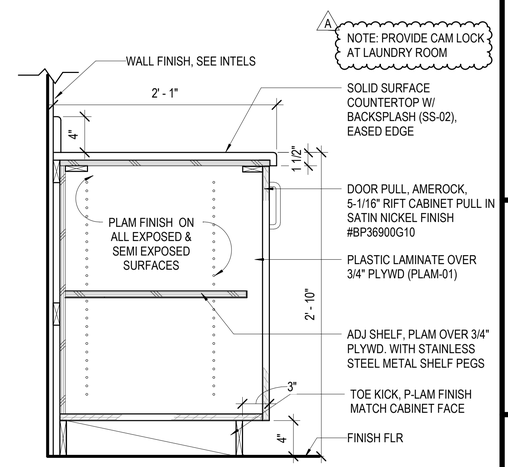
8 TYPICAL FULL HT CABINET

SCALE: 1 1/2" = 1'-0"



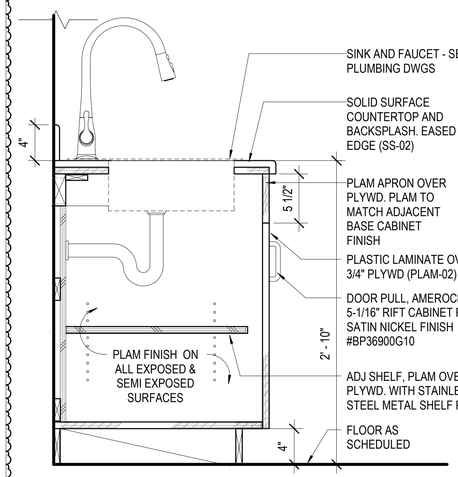
4 TYPICAL SINK W/ APRON

SCALE: 1 1/2" = 1'-0"



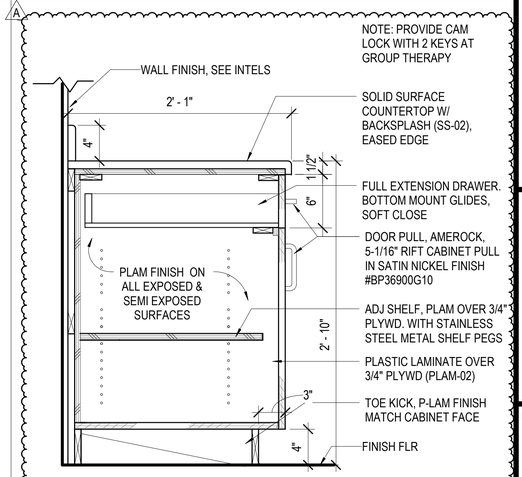
1 TYPICAL BASE CABINET - DOOR

SCALE: 1 1/2" = 1'-0"



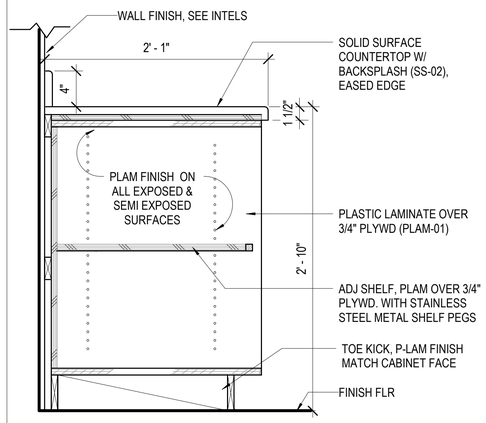
5 TYPICAL SINK WITH BASE CABINET

SCALE: 1 1/2" = 1'-0"



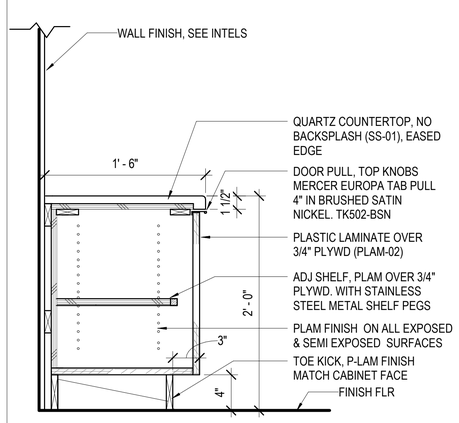
2 TYP BASE CABINET - DOOR + DRAWER

SCALE: 1 1/2" = 1'-0"



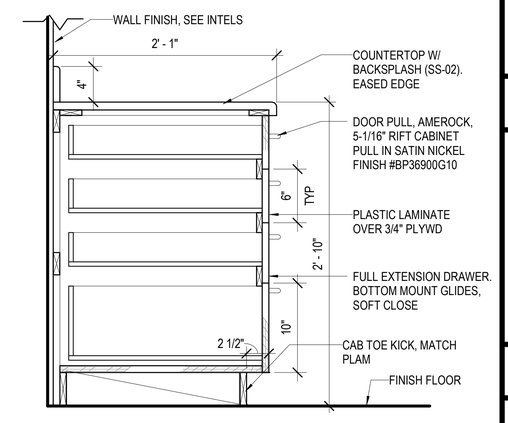
9 TYPICAL BASE CABINET - OPEN

SCALE: 1 1/2" = 1'-0"



6 BASE CABINET AT CONF ROOM MEDIA

SCALE: 1 1/2" = 1'-0"



3 TYPICAL BASE CABINET - 4 DRAWER

SCALE: 1 1/2" = 1'-0"

111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

#	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

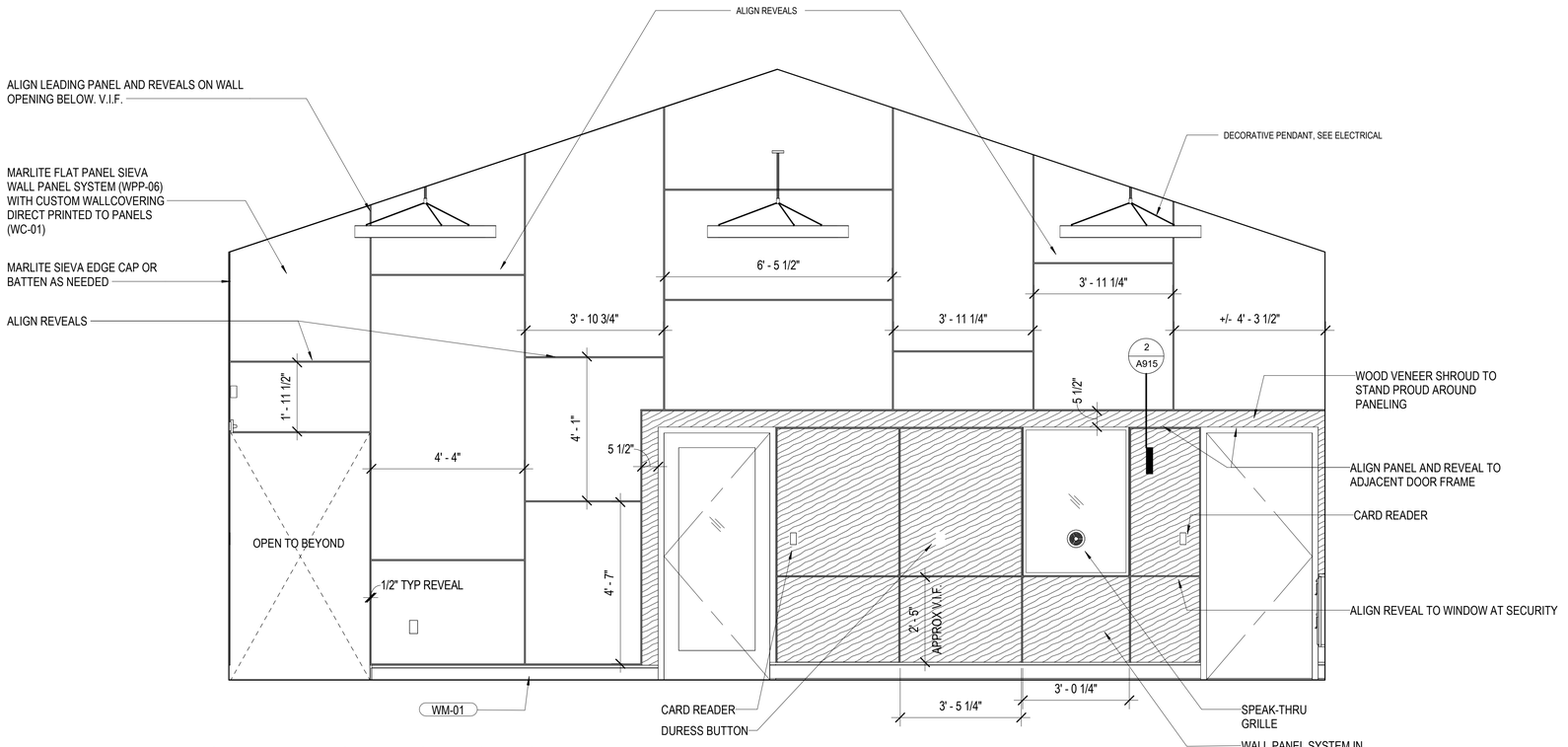
SHEET NAME
MILLWORK DETAILS

SCALE: 1 1/2" = 1'-0"

DRAWN BY	CHECKED BY
Author	Checker
PROJECT NO.	SHEET NO.
221093-01	A912
SHEET ISSUE DATE	
03/30/2026	

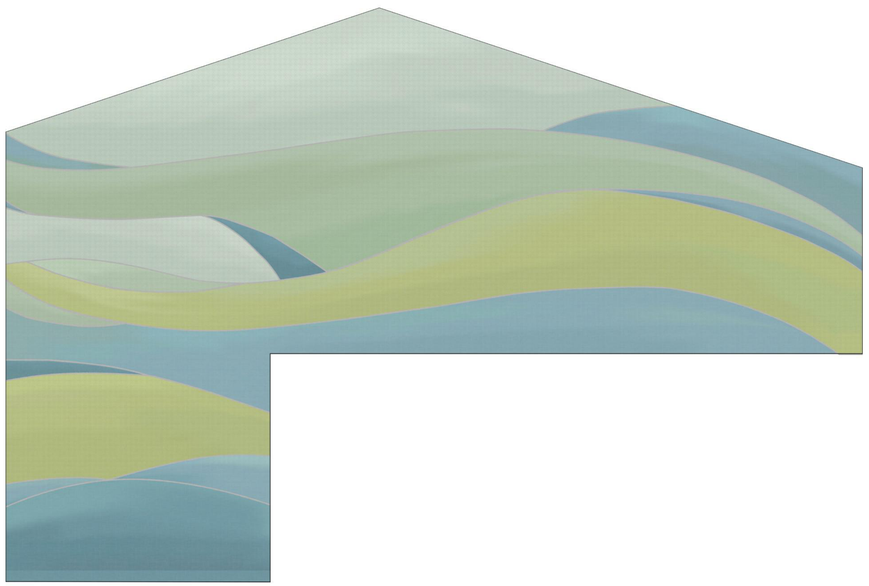
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

3/30/2026 5:37:42 PM

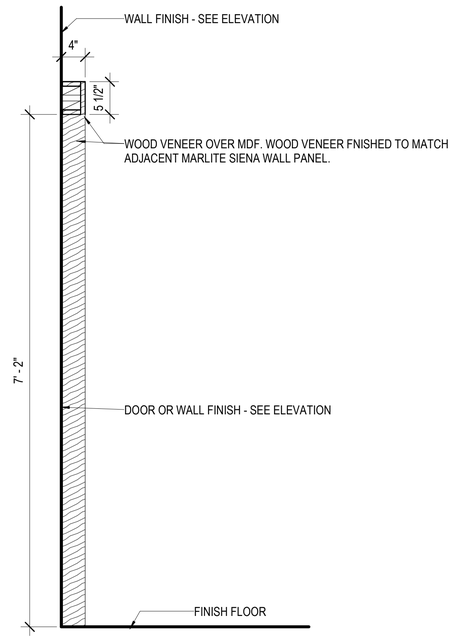


1 ENLARGED ELEVATION AT LOBBY (RM 1)

SCALE: 1/2" = 1'-0"



RENDERED VIEW FOR REFERENCE ONLY. SEE DESIGNER FOR CONTROL SAMPLE AND IMAGE FILE FOR PRINTING



2 LOBBY WALL DETAIL 1

SCALE: 1" = 1'-0"

G70

111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

#	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

SHEET NAME
INTERIOR & MILLWORK DETAILS

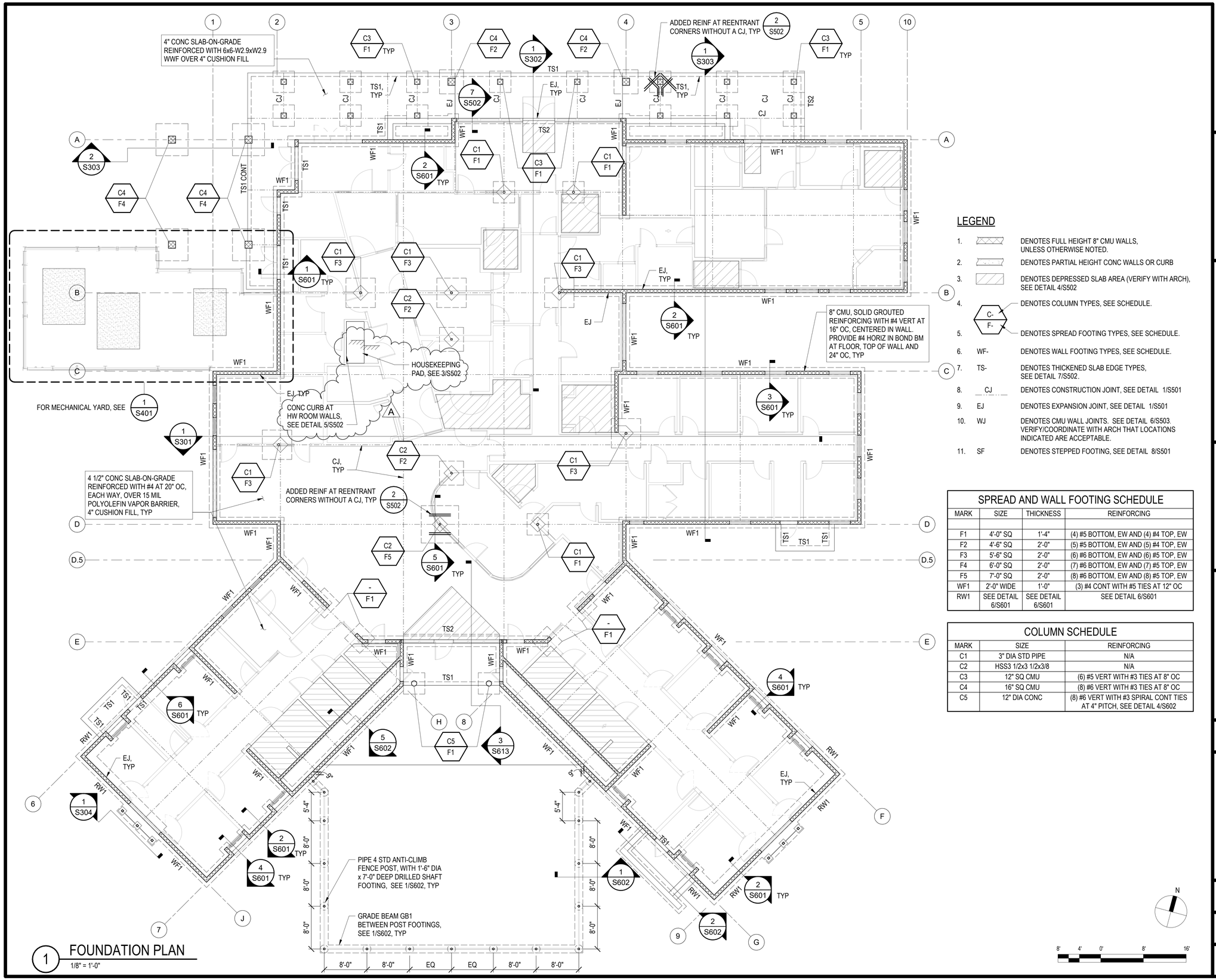
SCALE: As indicated

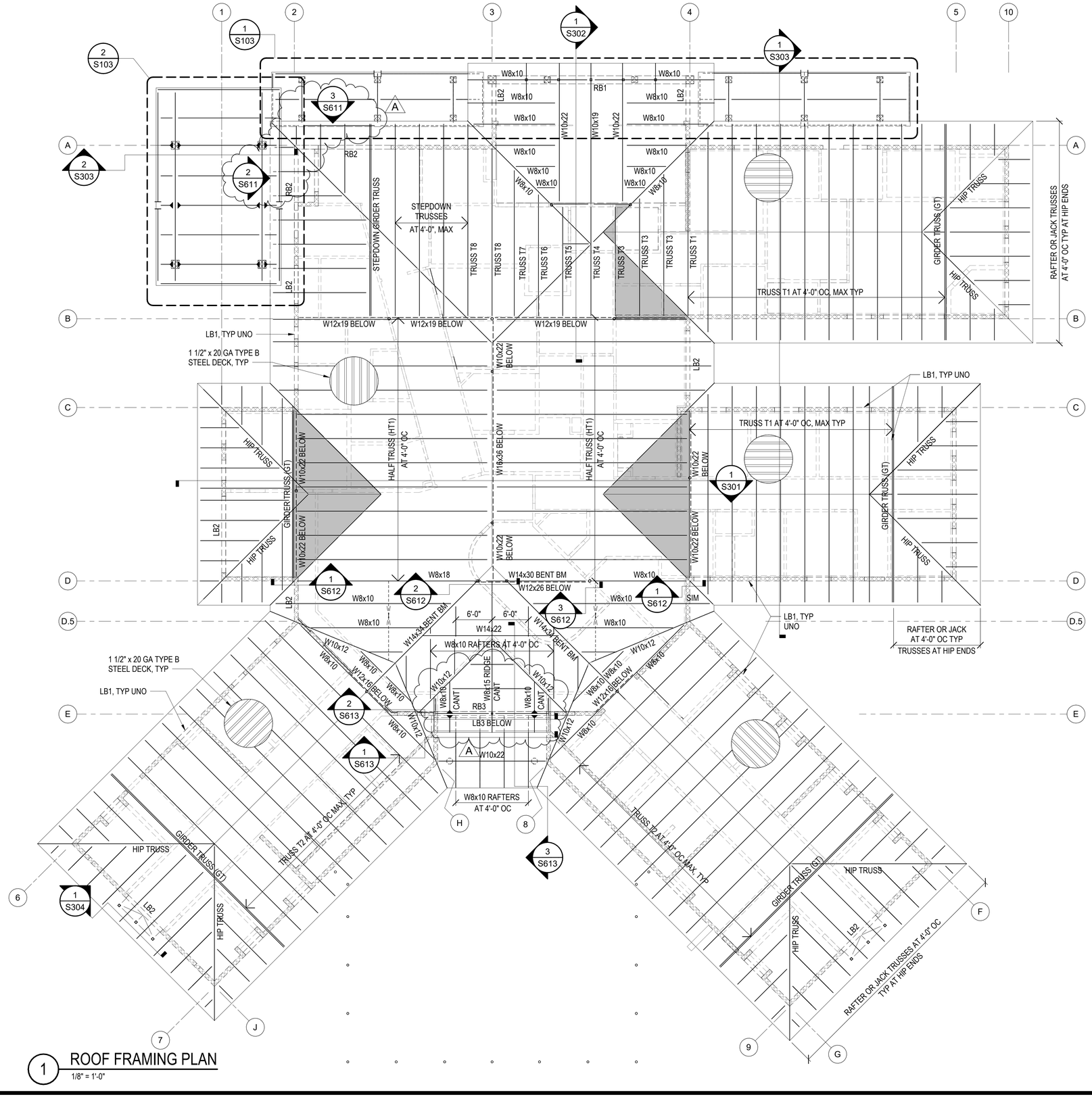
DRAWN BY	CHECKED BY
Author	Checker

PROJECT NO.	SHEET NO.
221093-01	A915

SHEET ISSUE DATE
03/30/2026

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt
3/30/2026 8:16:36 PM


4" CONC SLAB-ON-GRADE REINFORCED WITH 6x6-W2.9xW2.9 WWF OVER 4" CUSHION FILL
ADDED REINF AT REENTRANT CORNERS WITHOUT A CJ, TYP
8" CMU, SOLID GROUTED REINFORCING WITH #4 VERT AT 16" OC, CENTERED IN WALL. PROVIDE #4 HORIZ IN BOND BM AT FLOOR, TOP OF WALL AND 24" OC, TYP
HOUSEKEEPING PAD, SEE 3/S502
CONC CURB AT HW ROOM WALLS, SEE DETAIL 5/S502
FOR MECHANICAL YARD, SEE
4 1/2" CONC SLAB-ON-GRADE REINFORCED WITH #4 AT 20" OC, EACH WAY, OVER 15 MIL POLYOLEFIN VAPOR BARRIER, 4" CUSHION FILL, TYP
PIPE 4 STD ANTI-CLIMB FENCE POST, WITH 1'-6" DIA x 7'-0" DEEP DRILLED SHAFT FOOTING, SEE 1/S602, TYP
GRADE BEAM GB1 BETWEEN POST FOOTINGS, SEE 1/S602, TYP
8'-0"
8'-0"
EQ
EQ
8'-0"
8'-0"
5'-4"
8'-0"
8'-0"
8'-0"
8'-0"
8'-0"
8'-0"
5'-4"
8'-0"
8'-0"
8'-0"
8'-0"
8'-0"
8'-0



1 ROOF FRAMING PLAN
1/8" = 1'-0"

ROOF FRAMING NOTES:

1. UNLESS OTHERWISE NOTED THE MAIN ROOF SHALL BE FRAMED WITH COLD-FORMED STEEL PRE-ENGINEERED TRUSSES AT 4 FEET (PLUS OR MINUS) SPACING AS SHOWN ON THE ROOF FRAMING PLAN. ALL COLD-FORMED STEEL SHALL BE GALVANIZED TO G90. SEE ROOF TRUSS NOTES ON S002.
2. ALL COLD-FORMED STEEL MEMBERS USED FOR CANOPIES AND WALKWAY ROOF SHALL BE GALVANIZED TO G90.
3. ALL WIDE FLANGE BEAM, PLATES, AND PIPES SHALL BE HOT- DIPPED GALVANIZED.
4. UNLESS OTHERWISE NOTED, ROOF FRAMING SHALL BE SHEATHED BY 1-1/2" x 22 GA TYPE B ROOF METAL DECKING. SEE 4/S504

LEGEND

1. BEARING WALLS BELOW
2. NON-STRUCTURAL PARTITIONS SEE ARCH FOR DETAILS
3. CIRCULAR CONC COL BELOW
4. 3 1/2"Ø STD PIPE IN WALL OR EXPOSED
5. WIDE FLANGE BEAMS
6. HEADER BEAMS
7. BUILT-UP FRAMING AT 4'-0" MAX BY TRUSS MANUFACTURER.TYPE B STEEL DECK SHALL BE CONTINUOUS BENEATH ALL BUILT-UP FRAMING AREAS.
8. INDICATES SQUARE CMU COLUMN BELOW. SEE FOUNDATION PLAN FOR TYPE AND SCHEDULE.

N

8' 4' 0' 8' 16'

COFFMAN ENGINEERS
745 Fort Street, Suite 400
Honolulu, HI 96813
ph 808.687.8884
www.coffman.com

REVISIONS

#	Date	Description
A	3/30/2026	ADDENDUM 1

ADDENDUM 1 / PERMIT SET
03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

APRIL 30, 2026
License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

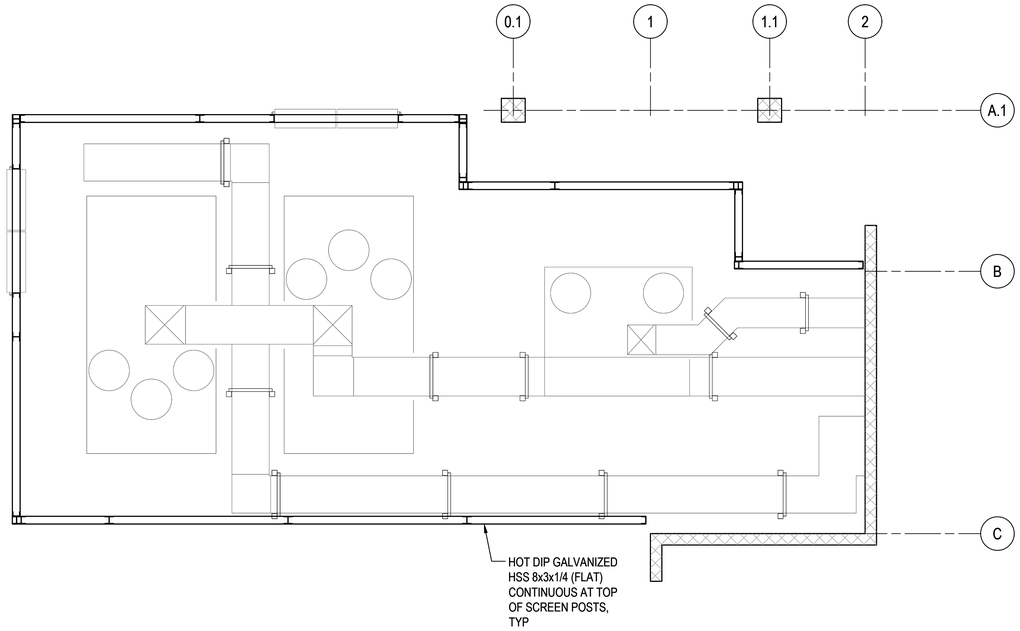
FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_S24_Central.rvt

SHEET NAME
ROOF FRAMING PLAN

SCALE: As indicated

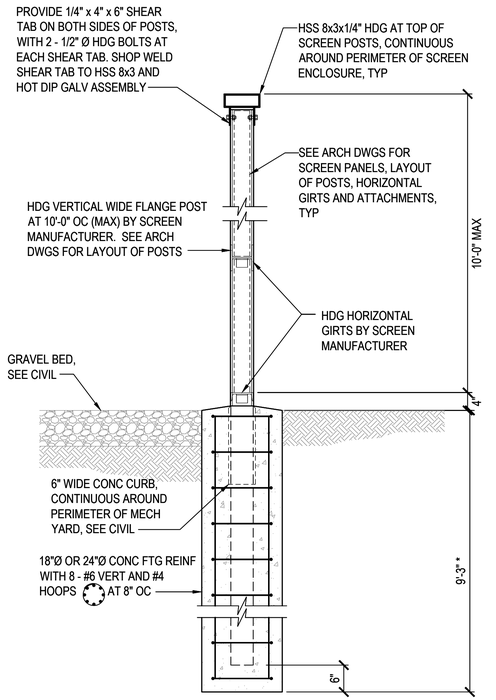
DRAWN BY	CHECKED BY
DH	BIN
PROJECT NO.	SHEET NO.
221093-01	S102
SHEET ISSUE DATE	
03/30/2026	

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_S24_Central.rvt
3/30/2026 7:00:17 PM



2 FRAMING AT TOP OF SCREEN POSTS

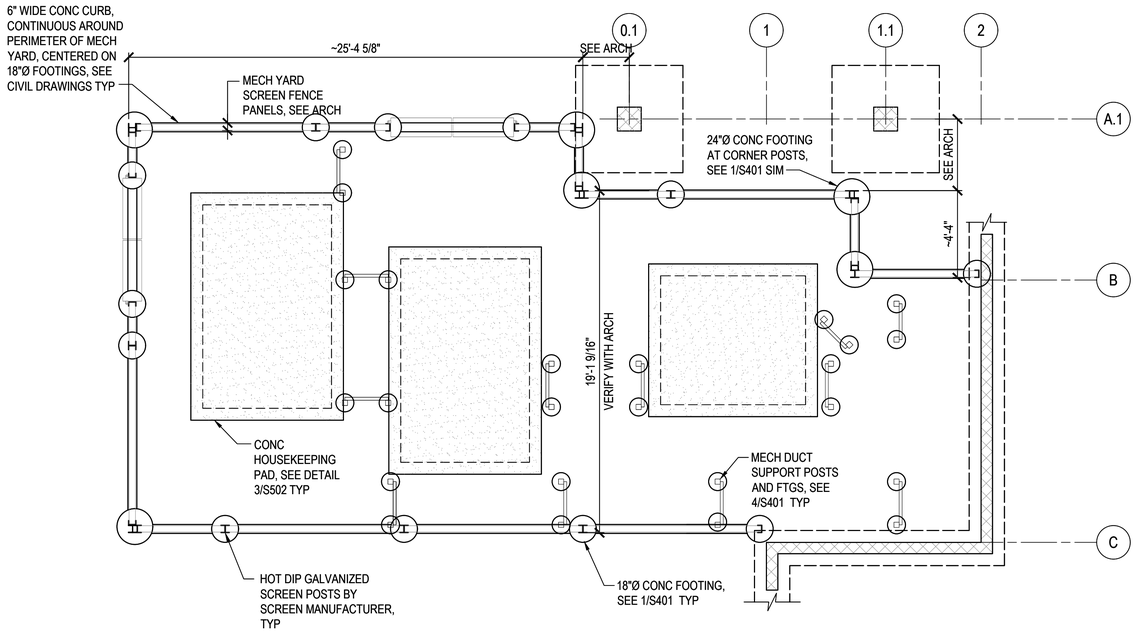
SCALE: 1/4" = 1'-0"



* DEPTH OF FOOTING, DIAMETER OF FOOTING, AND FOOTING REINFORCING MAY BE SUBJECT TO CHANGE BASED ON FINAL DESIGN OF SCREEN POSTS AND REACTIONS AT POST BASE SUBMITTED BY SCREEN MANUFACTURER. ANY ADDITIONAL COSTS DUE TO REVISIONS TO FOOTINGS SHALL BE BORNE BY CONTRACTOR.

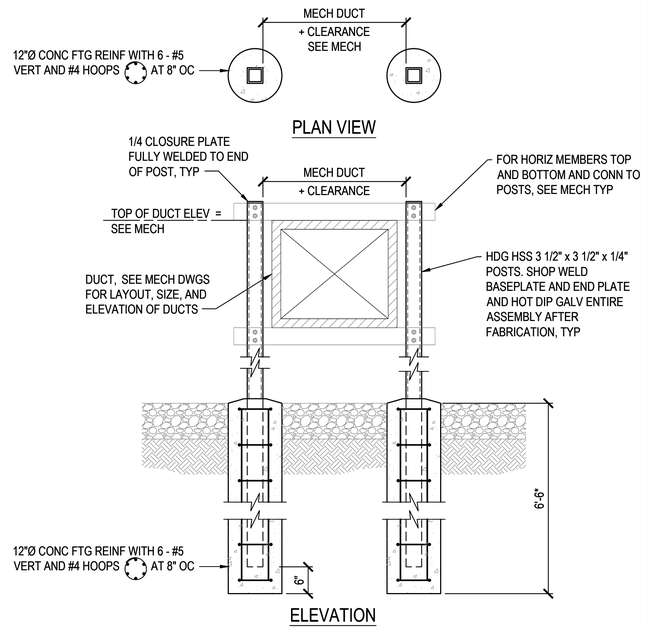
1 SCREEN SUPPORT POST DETAIL

SCALE: 3/4" = 1'-0"



3 FOUNDATION PLAN

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



4 ELEVATED MECH DUCT SUPPORT POSTS DETAIL

SCALE: 3/4" = 1'-0"

COFFMAN ENGINEERS
745 Fort Street, Suite 400
Honolulu, HI 96813
ph 808.687.8884
www.coffman.com

REVISIONS

#	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

APRIL 30, 2026
License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
250802_S401.dwg

SHEET NAME
MECHANICAL YARD PLANS AND DETAILS

SCALE: As indicated

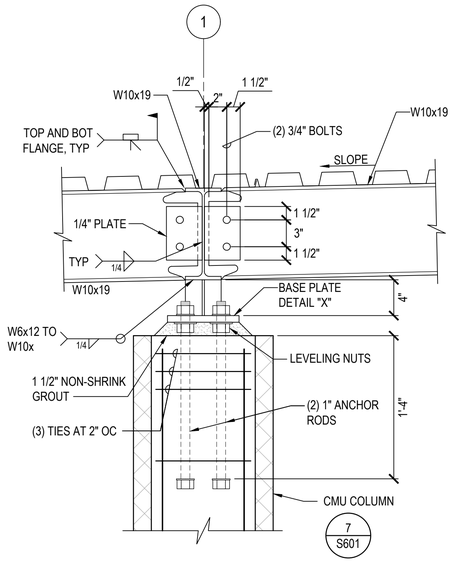
DRAWN BY	CHECKED BY
BIN	BIN

PROJECT NO.	SHEET NO.
221093-01	A S401

SHEET ISSUE DATE
03/30/2026

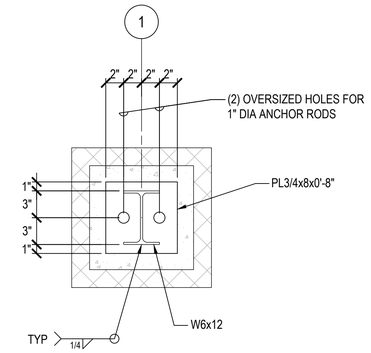
p:\Hon\25Jobs\250802 SMMH Behavioral Health New Patient Facility\0.0 DWGS\S250802_S401.dwg

3/30/2026 7:44:13 PM

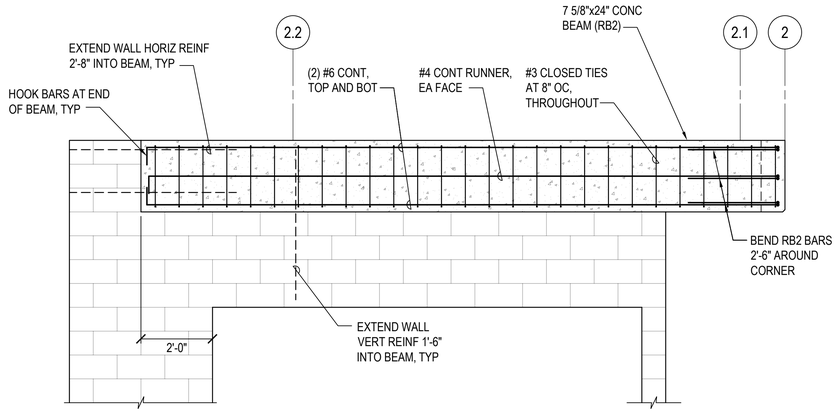


1 BEAM-TO-BEAM MOMENT CONNECTION & BEAM CONN TO CMU COL

SCALE: 1 1/2" = 1'-0"

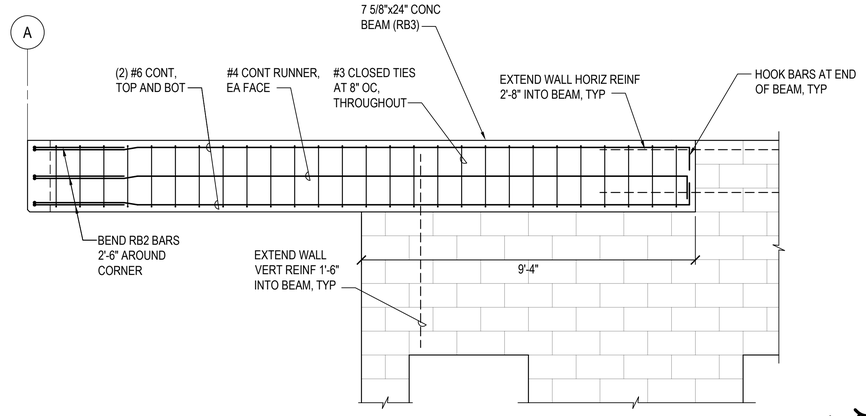


"X" BASE PLATE PLAN-SECTION



3 CONC BEAM RB2

SCALE: 1/2" = 1'-0"



2 CONC BEAM RB2

SCALE: 1/2" = 1'-0"

A

COFFMAN ENGINEERS
745 Fort Street, Suite 400
Honolulu, HI 96813
ph 808.687.8884
www.coffman.com

REVISIONS

#	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

APRIL 30, 2026
License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
250802_S611.dwg

SHEET NAME

FRAMING SECTIONS AND DETAILS

SCALE: As indicated

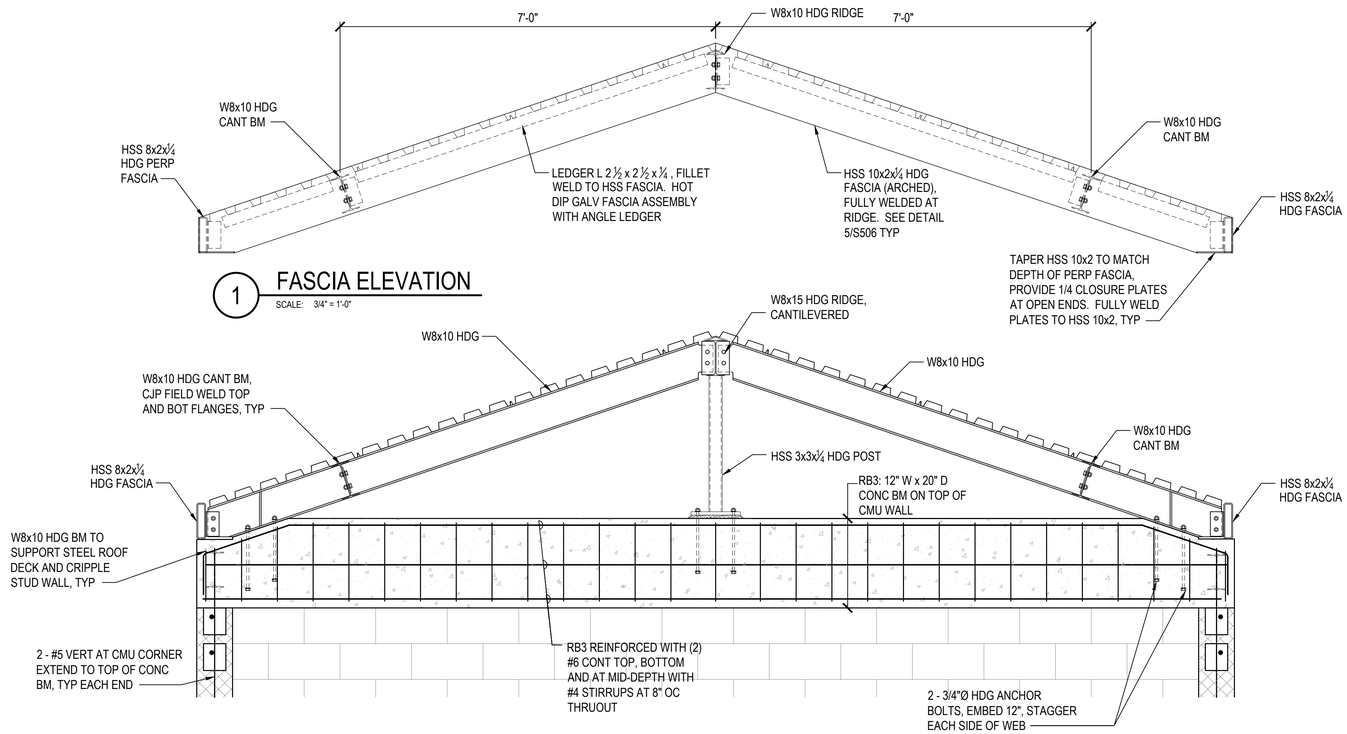
DRAWN BY	CHECKED BY
BIN	BIN
PROJECT NO.	SHEET NO.
221093-01	S611
SHEET ISSUE DATE	
03/30/2026	

p:\Hon\25Jobs\250802 SMMH Behavioral Health New Patient Facility\0.0 DWGS\S\250802_S611.dwg

3/30/2026 7:07:12 PM

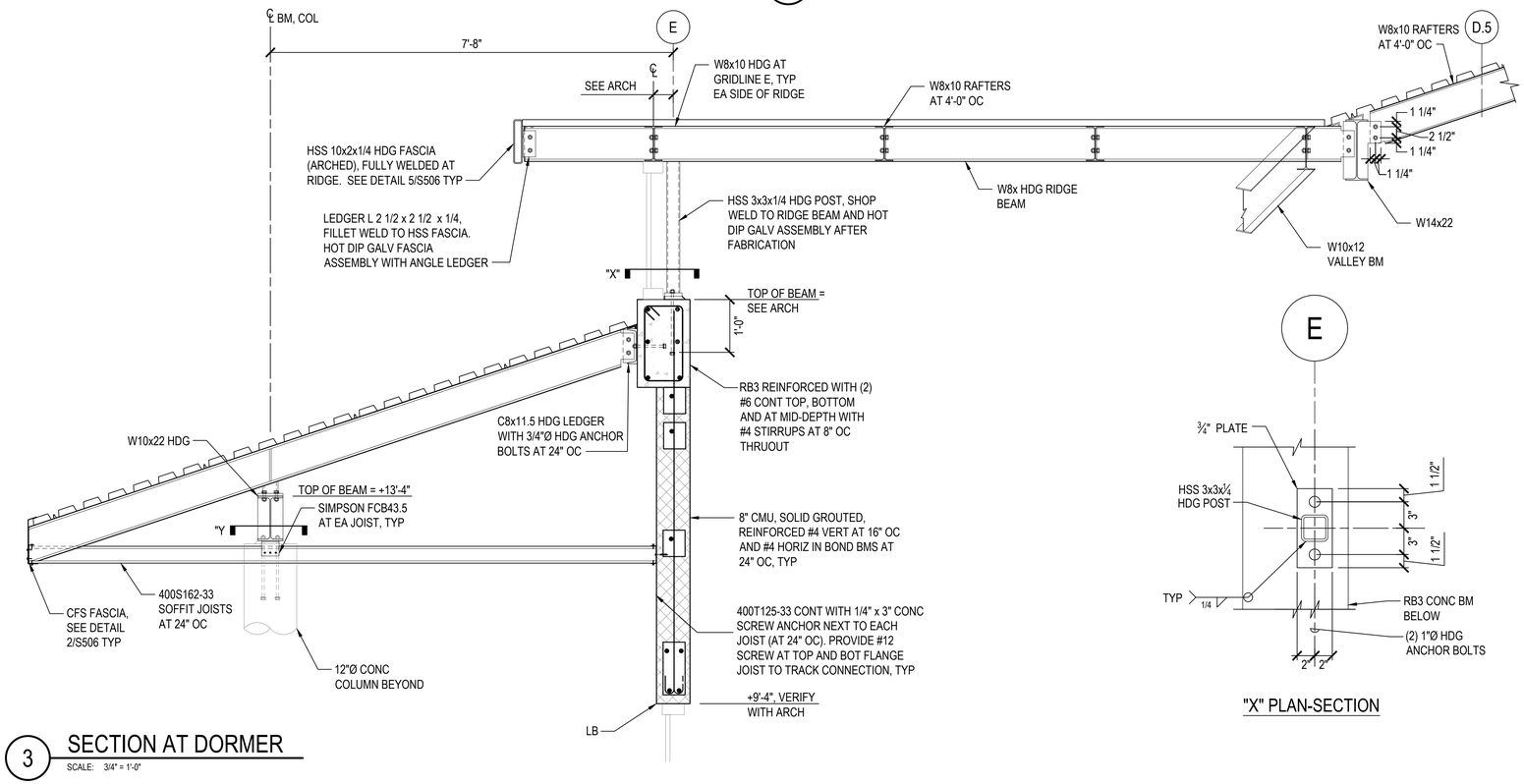
CONCRETE ROOF BEAM SCHEDULE

MARK	SIZE (WxD)	REINFORCING
RB1	16"x16"	(3) #6 CONT TOP AND BOTTOM, (2) #4 CONT AT MID-DEPTH WITH #4 STIRRUPS AT 6" OC THRUOUT
RB2	7 5/8"x24"	(2) #6 CONT TOP AND BOTTOM WITH #3 STIRRUPS AT 8" OC THRUOUT
RB3	12"x20"	(2) #6 CONT TOP AND BOTTOM AND AT MID-DEPTH WITH #4 STIRRUPS AT 8" OC THRUOUT



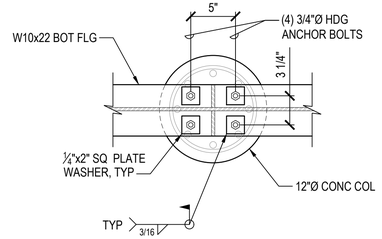
1 FASCIA ELEVATION
SCALE: 3/4" = 1'-0"

2 SECTION
SCALE: 3/4" = 1'-0"



3 SECTION AT DORMER
SCALE: 3/4" = 1'-0"

"X" PLAN-SECTION



"Y" PLAN-SECTION

COFFMAN ENGINEERS
745 Fort Street, Suite 400
Honolulu, HI 96813
ph 808.687.8884
www.coffman.com

REVISIONS

#	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

APRIL 30, 2026
License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
250802_S613.dwg

SHEET NAME
FRAMING SECTIONS AND DETAILS

SCALE: As indicated

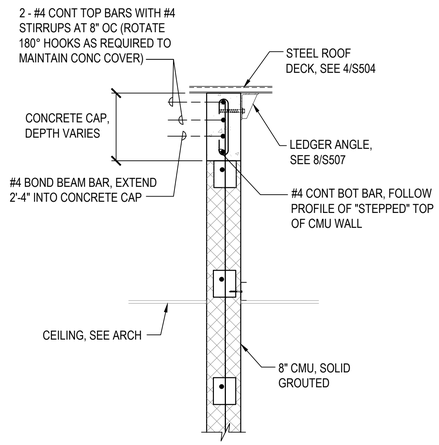
DRAWN BY	CHECKED BY
BIN	BIN

PROJECT NO.
221093-01

SHEET ISSUE DATE
03/30/2026

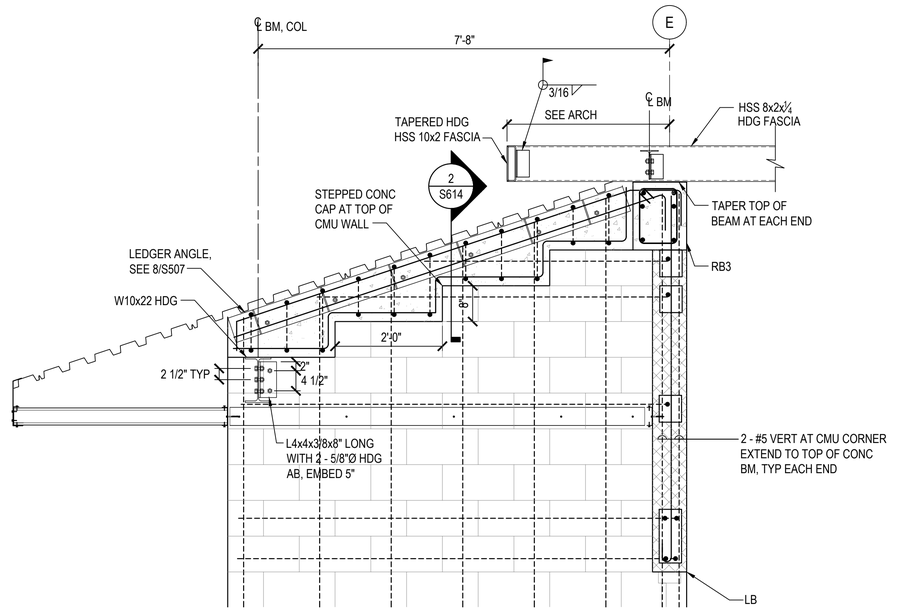
SHEET NO.
A
S613

p:\Hon\25Jobs\250802 SMMH Behavioral Health New Patient Facility\0.0 DWGS\S\250802_S613.dwg
3/30/2026 7:07:07 PM



2 SECTION

SCALE: 3/4" = 1'-0"



1 WALL ELEVATION

SCALE: 3/4" = 1'-0"

COFFMAN ENGINEERS
745 Fort Street, Suite 400
Honolulu, HI 96813
ph 808.687.8884
www.coffman.com

REVISIONS

#	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

APRIL 30, 2026

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
250802_S614.dwg

SHEET NAME
FRAMING SECTIONS AND DETAILS

SCALE: As indicated

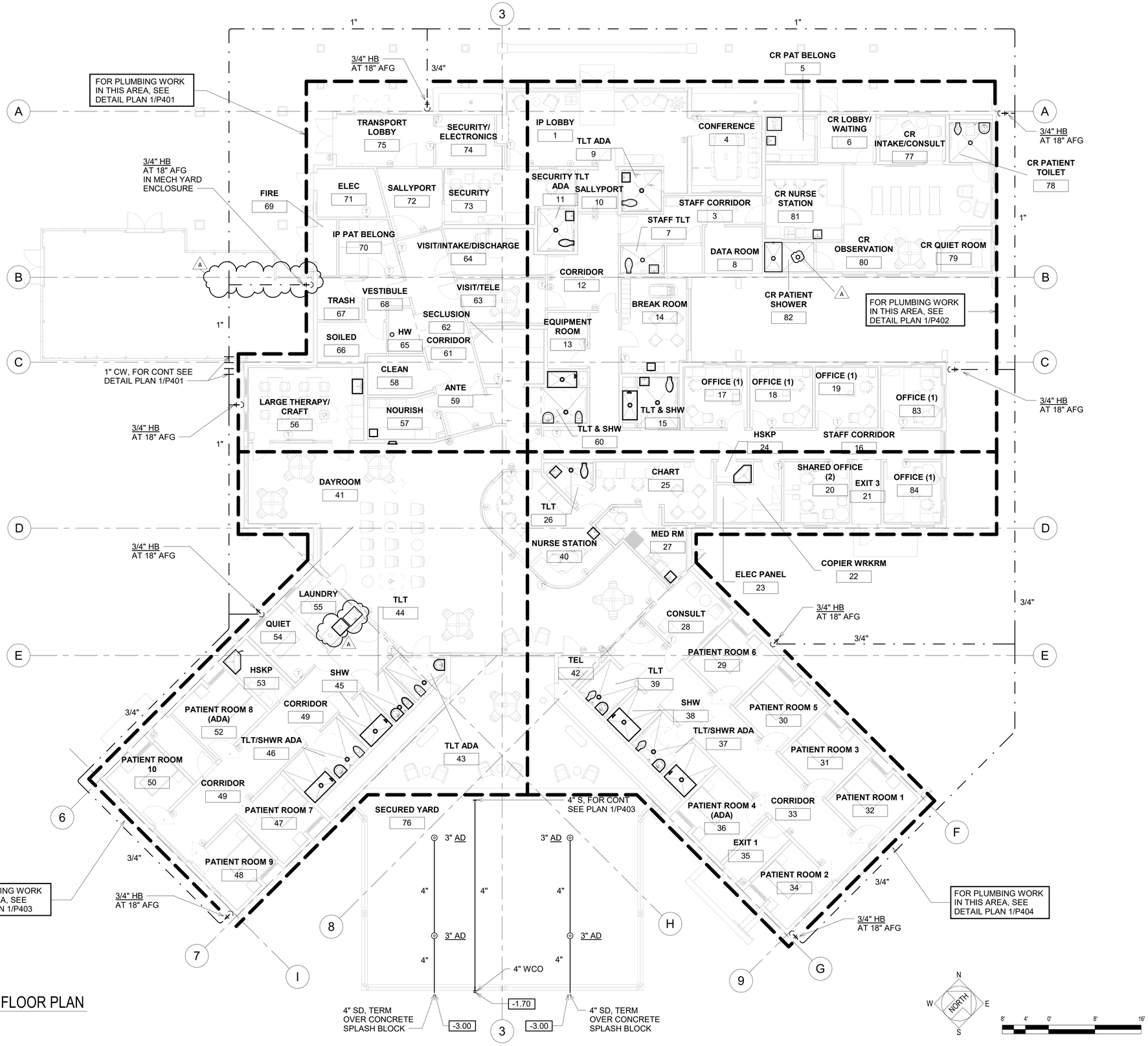
DRAWN BY	CHECKED BY
BIN	BIN

PROJECT NO.
221093-01

SHEET ISSUE DATE
03/30/2026

SHEET NO. A
S614

p:\Hon\25Jobs\250802 SMMH Behavioral Health New Patient Facility\0.0 DWGS\S\250802_S614.dwg
3/30/2026 7:38:32 PM



1 PLUMBING FLOOR PLAN
SCALE: 1/8" = 1'-0"

MEH CORP
MECHANICAL ENGINEERS OF HAWAII CORP.
50 S. BERETANIA STREET, SUITE C-208A
HONOLULU HAWAII 96813-2222
PHONE: 521-8981 FACSIMILE: 536-5457

REVISIONS

#	Date	Description
A	03/30/26	Addendum 1

ADDENDUM 1 / PERMIT SET
03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

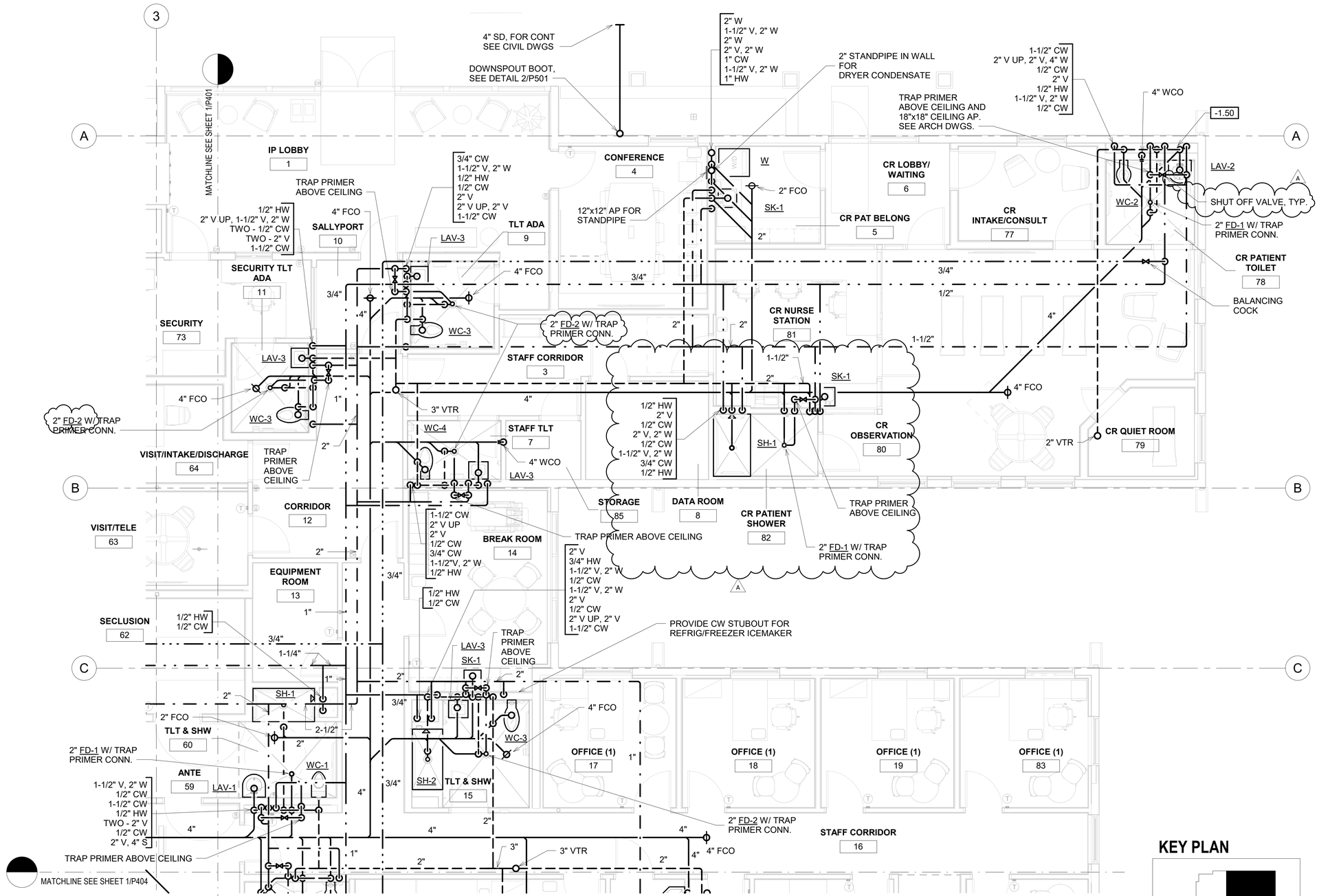
FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_PLUMBING AND FIRE_CENTRAL.rvt

SHEET NAME
PLUMBING FLOOR PLAN

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

DRAWN BY	CHECKED BY
KY/ML	KC
PROJECT NO.	SHEET NO.
221093-01	P101
SHEET ISSUE DATE	
03/30/2026	

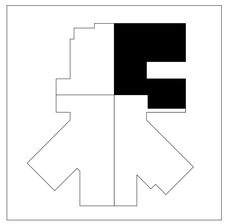
3/26/2026 8:43:45 AM

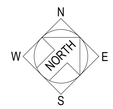


1 PLUMBING DETAIL FLOOR PLAN - STAFF WING NE

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

KEY PLAN







MEH CORP

MECHANICAL ENGINEERS OF HAWAII CORP.
50 S. BERETANIA STREET, SUITE C-208A
HONOLULU HAWAII 96813-2222
PHONE: 521-8981 FACSIMILE: 536-5457

REVISIONS

#	Date	Description
A	03/30/26	Addendum 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

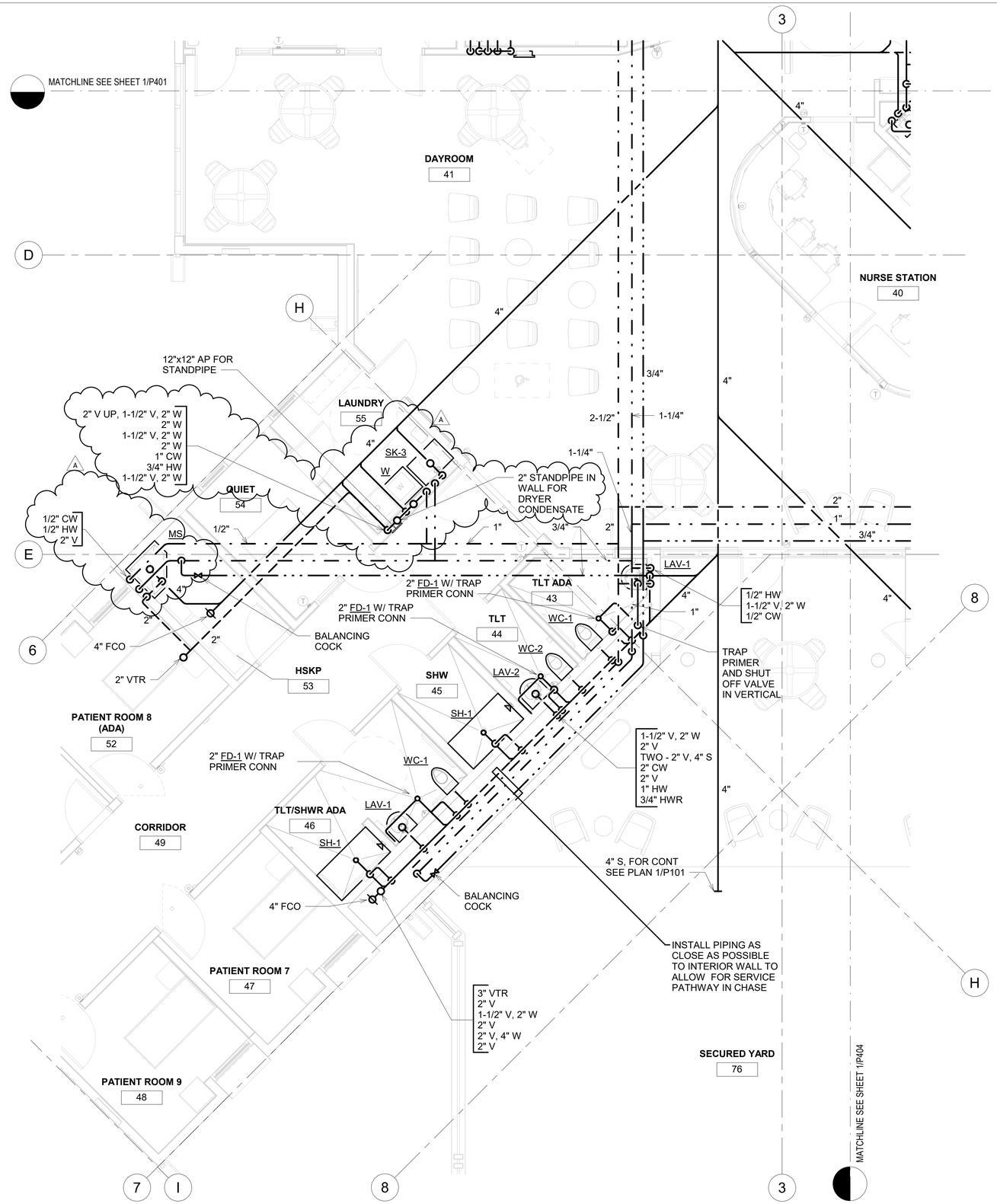
FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_PLUMBING AND FIRE_CENTRAL.rvt

SHEET NAME
PLUMBING DETAIL FLOOR PLAN - STAFF WING NE

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

DRAWN BY	CHECKED BY
KY/ML	KC
PROJECT NO.	SHEET NO.
221093-01	P402
SHEET ISSUE DATE	
03/30/2026	

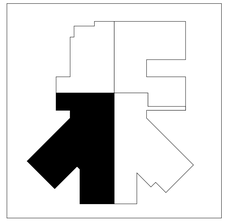
3/26/2026 8:43:56 AM



1 PLUMBING DETAIL FLOOR PLAN - PATIENT WING SW

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

KEY PLAN







MEH CORP

MECHANICAL ENGINEERS OF HAWAII CORP.
50 S. BERETANIA STREET, SUITE C-208A
HONOLULU HAWAII 96813-2222
PHONE: 521-8981 FACSIMILE: 536-5457

REVISIONS

#	Date	Description
A	03/30/26	Addendum 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

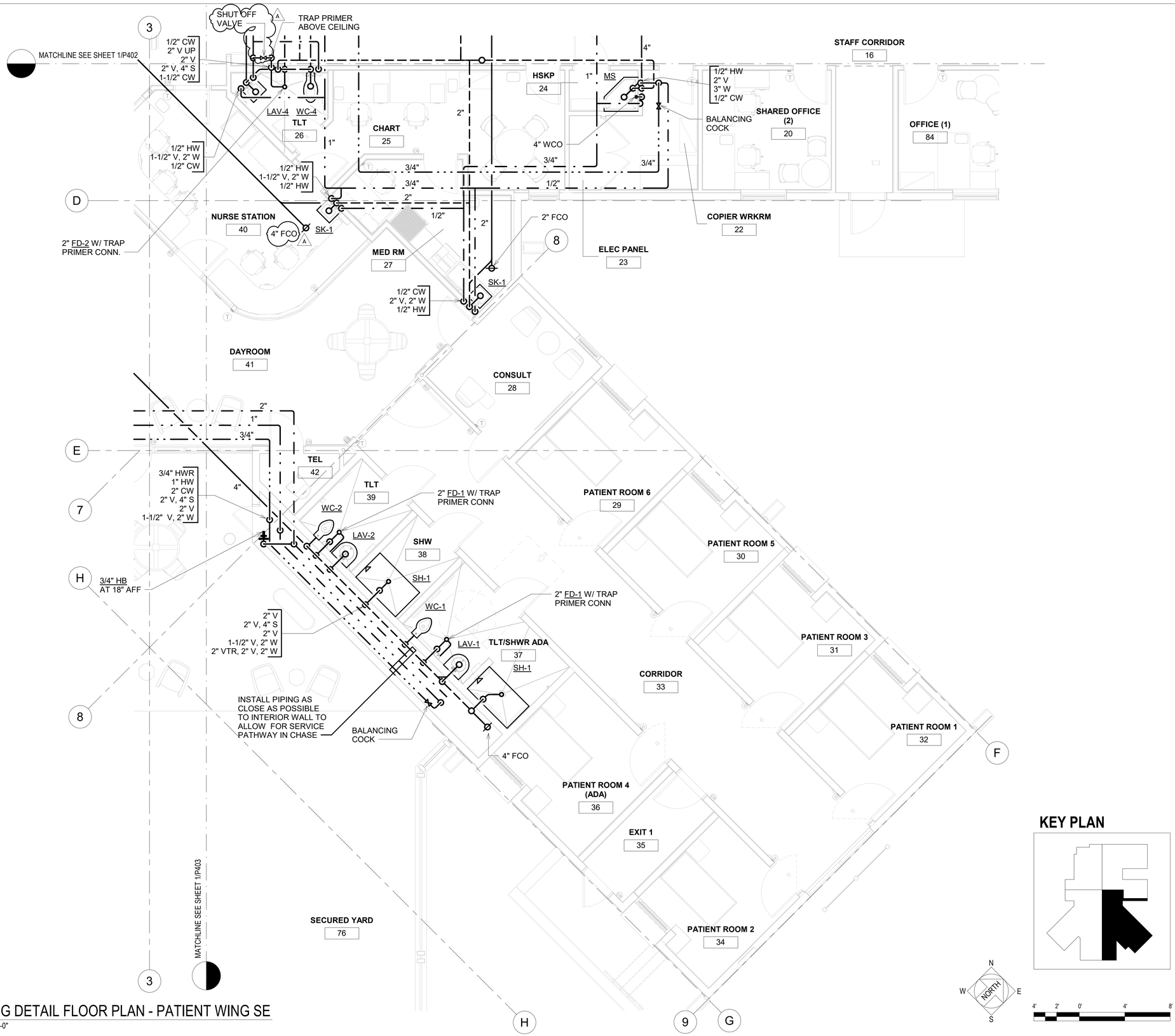
FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_PLUMBING AND FIRE_CENTRAL.rvt

SHEET NAME
PLUMBING DETAIL FLOOR PLAN - PATIENT WING SW

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

DRAWN BY	CHECKED BY
KY/ML	KC
PROJECT NO.	SHEET NO.
221093-01	P403
SHEET ISSUE DATE	
03/30/2026	

3/26/2026 9:00:28 AM



1 PLUMBING DETAIL FLOOR PLAN - PATIENT WING SE

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

KEY PLAN

MEH CORP

MECHANICAL ENGINEERS OF HAWAII CORP.
50 S. BERETANIA STREET, SUITE C-208A
HONOLULU HAWAII 96813-2222
PHONE: 521-8981 FACSIMILE: 536-5457

REVISIONS

#	Date	Description
A	03/30/26	Addendum 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_PLUMBING AND FIRE_CENTRAL.rvt

SHEET NAME
PLUMBING DETAIL FLOOR PLAN - PATIENT WING SE

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

DRAWN BY	CHECKED BY
KY/ML	KC

PROJECT NO.	SHEET NO.
221093-01	P404

SHEET ISSUE DATE
03/30/2026

3/26/2026 8:44:09 AM

PLUMBING FIXTURE LOCAL CONNECTION SCHEDULE

FIXTURE	SYMBOL	WASTE [1]	VENT [1]	COLD WATER	HOT WATER	MAXIMUM CONSUMPTION [2]	REMARKS
WATER CLOSET, LIGATURE RESISTANT, ACCESSIBLE	WC-1	4"	2"	1"	-	1.28	FLOOR MOUNTED, FLUSH VALVE, LIGATURE RESISTANT, REAR WASTE OUTLET, ACCESSIBLE [3]
WATER CLOSET, LIGATURE RESISTANT	WC-2	4"	2"	1"	-	1.28	FLOOR MOUNTED, FLUSH VALVE, LIGATURE RESISTANT, REAR WASTE OUTLET
WATER CLOSET, ACCESSIBLE	WC-3	4"	2"	1"	-	1.28	FLOOR MOUNTED, FLUSH VALVE, ACCESSIBLE [3]
WATER CLOSET	WC-4	4"	2"	1"	-	1.28	FLOOR MOUNTED, FLUSH VALVE
LAVATORY, LIGATURE RESISTANT, ACCESSIBLE	LAV-1	1-1/2"	1-1/2"	1/2"	1/2"	0.5	WALL HUNG, LIGATURE RESISTANT, ACCESSIBLE [3, 4]
LAVATORY, LIGATURE RESISTANT	LAV-2	1-1/2"	1-1/2"	1/2"	1/2"	0.5	WALL HUNG, LIGATURE RESISTANT
LAVATORY, ACCESSIBLE	LAV-3	1-1/2"	1-1/2"	1/2"	1/2"	0.5	WALL HUNG, WITH METERING FAUCET, ACCESSIBLE [3, 4]
LAVATORY	LAV-4	1-1/2"	1-1/2"	1/2"	1/2"	0.5	WALL HUNG, WITH METERING FAUCET
SHOWER, LIGATURE RESISTANT, ACCESSIBLE	SH-1	2"	1-1/2"	1/2"	1/2"	2.5	LIGATURE RESISTANT, ACCESSIBLE [3]
SHOWER, ACCESSIBLE	SH-2	2"	1-1/2"	1/2"	1/2"	2.5	ACCESSIBLE [3]
SINK	SK-1	2"	1-1/2"	1/2"	1/2"	2.2	UNDERMOUNT, STAINLESS STEEL, SINGLE COMPARTMENT
SINK, ACCESSIBLE	SK-2	2"	1-1/2"	1/2"	1/2"	2.2	UNDERMOUNT, STAINLESS STEEL, SINGLE COMPARTMENT, ACCESSIBLE [3, 4]
SINK, LIGATURE RESISTANT, ACCESSIBLE	SK-3	2"	1-1/2"	1/2"	1/2"	0.5	UNDERMOUNT, LIGATURE RESISTANT, STAINLESS STEEL, SINGLE COMPARTMENT, ACCESSIBLE [3, 4]
MOP SINK	MS	3"	2"	1/2"	-	-	FLOOR MOUNTED
BOTTLE FILLER	BF	2"	1-1/2"	1/2"	-	-	WALL RECESSED
CLOTHES WASHER	W	2"	1-1/2"	1/2"	1/2"	-	
HOSE BIBB	HB	-	-	3/4"	-	-	WITH VACUUM BREAKER
FLOOR DRAIN	FD-1	*	1-1/2"	-	-	-	LIGATURE RESISTANT * SIZE AS INDICATED ON PLAN
FLOOR DRAIN	FD-2	*	1-1/2"	-	-	-	* SIZE AS INDICATED ON PLAN
FUNNEL FLOOR DRAIN	FFD	*	1-1/2"	-	-	-	* SIZE AS INDICATED ON PLAN
AREA DRAIN	AD	4"	-	-	-	-	WITH ADA FLAT STRAINER

NOTES:
1. ALL UNDERGROUND SOIL, WASTE AND VENT PIPE SIZE SHALL BE 2" MINIMUM.
2. WATER CLOSET AND URINAL WATER CONSUMPTION IS IN GALLONS PER FLUSH, ALL OTHERS FIXTURES ARE IN GALLONS PER MINUTE FLOW RATE.
3. SEE ARCHITECTURAL DRAWING FOR REGULAR AND ACCESSIBLE FIXTURE HEIGHTS AND LOCATION.
4. ACCESSIBLE LAVATORIES AND SINKS EXPOSED WASTE AND WATER PIPING BELOW COUNTER AND ABOVE FINISHED FLOOR SHALL BE INSULATED.

WATER HEATER SCHEDULE

UNIT NO	MANUFACTURER AND MODEL	LOCATION	SERVICE	RECOVERY @ 70 °F RISE GPH	ELECT INPUT KW	VOLTS	ϕ	STORAGE CAPACITY GALLONS	OPR WT POUNDS	REMARKS
WH-1	AO SMITH DRE-80-12	HOT WATER HEATER ROOM	DOMESTIC HOT WATER	72	12.3	208	3	80	948	(3) 4.1 KW ELEMENTS. TANK SETPOINT @ 140°F. WH-2 SIMILAR

PUMP SCHEDULE

UNIT NO	MANUFACTURER AND MODEL	LOCATION	SERVICE	TYPE	GPM	TOTAL DYNAMIC HEAD (FT)	SUCT SIZE (INCHES)	DISCH SIZE (INCHES)	MIN EFF PERCENT	ELECTRICAL			OPR WT (LBS)	REMARKS
										WATTS	VOLTS	ϕ		
HWRP-1	GRUNDFOS UP 15-29 SF OR APPROVED EQUAL	HOT WATER HEATER ROOM	HOT WATER CIRCULATION	INLINE CENTRIFUGAL	5	5	1	1	9.6	87	115	1	10	BRONZE BODY, COMPOSITE IMPELLER, 225° F OPERATING TEMPERATURE, CONTROLLED BY AQUASTAT.

MEH CORP
MECHANICAL ENGINEERS OF HAWAII CORP.
50 S. BERETANIA STREET, SUITE C-208A
HONOLULU HAWAII 96813-2222
PHONE: 521-8981 FACSIMILE: 536-5457

REVISIONS

#	Date	Description
A	03/30/26	Addendum 1

ADDENDUM 1 / PERMIT SET
03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_PLUMBING AND FIRE_CENTRAL.rvt

SHEET NAME
PLUMBING EQUIPMENT SCHEDULES

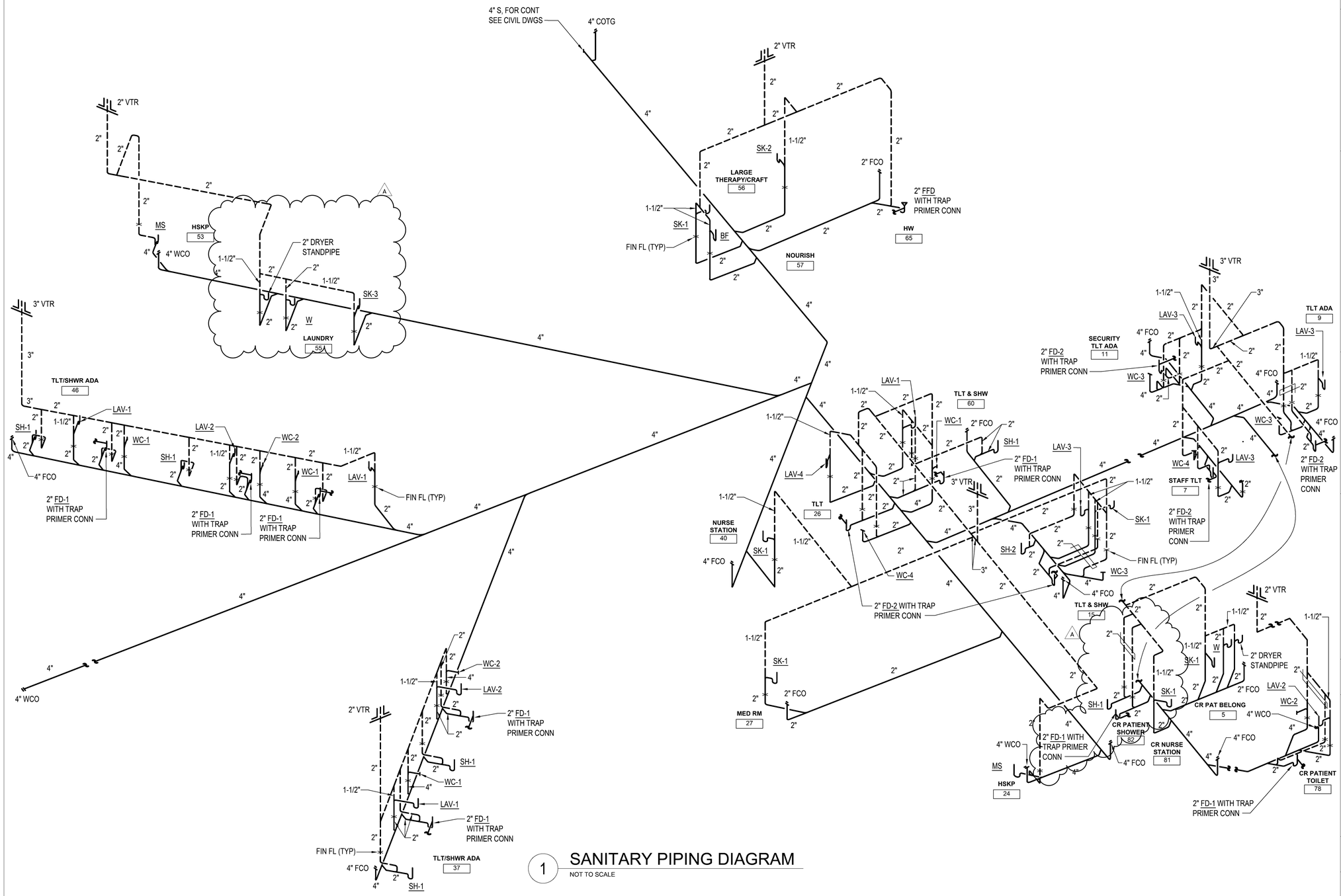
SCALE:

DRAWN BY	CHECKED BY
KY	KC

PROJECT NO.	SHEET NO.
221093-01	P601

SHEET ISSUE DATE
03/30/2026

3/26/2026 8:44:48 AM



1 SANITARY PIPING DIAGRAM
NOT TO SCALE

MEH CORP
MECHANICAL ENGINEERS OF HAWAII CORP.
50 S. BERETANIA STREET, SUITE C-208A
HONOLULU HAWAII 96813-2222
PHONE: 521-8981 FACSIMILE: 536-5457

REVISIONS

#	Date	Description
A	03/30/26	Addendum 1

ADDENDUM 1 / PERMIT SET
03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_PLUMBING AND FIRE_CENTRAL.rvt

SHEET NAME
SANITARY PIPING DIAGRAM

SCALE:

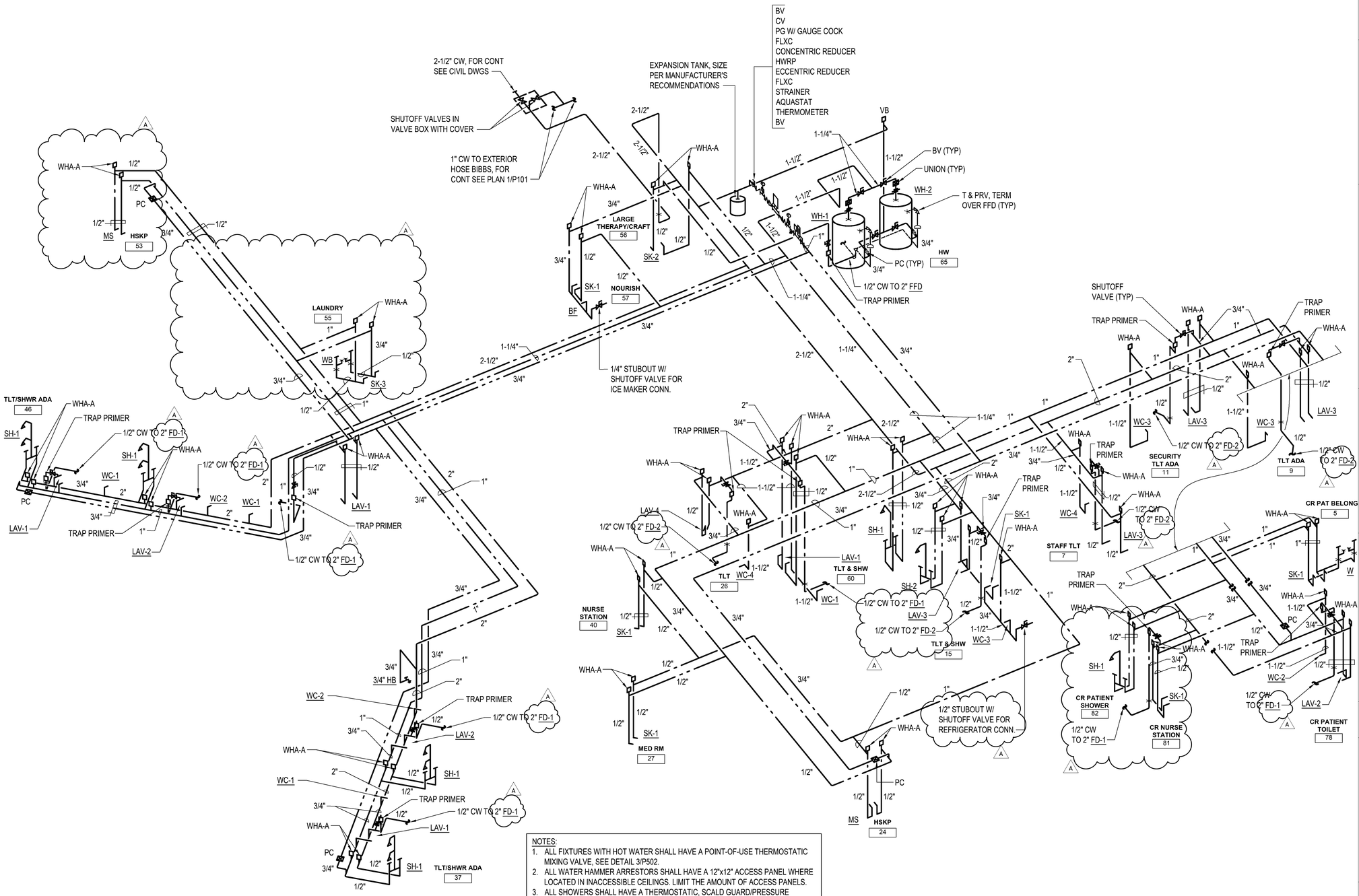
DRAWN BY	CHECKED BY
KY/ML	KC

PROJECT NO.
221093-01

SHEET ISSUE DATE
03/30/2026

SHEET NO.
P701

3/26/2026 8:45:00 AM



NOTES:
1. ALL FIXTURES WITH HOT WATER SHALL HAVE A POINT-OF-USE THERMOSTATIC MIXING VALVE, SEE DETAIL 3/P502.
2. ALL WATER HAMMER ARRESTORS SHALL HAVE A 12"x12" ACCESS PANEL WHERE LOCATED IN INACCESSIBLE CEILINGS. LIMIT THE AMOUNT OF ACCESS PANELS.
3. ALL SHOWERS SHALL HAVE A THERMOSTATIC, SCALD GUARD/PRESSURE BALANCED MIXING VALVE.

1 WATER PIPING DIAGRAM
NOT TO SCALE

MEH CORP
MECHANICAL ENGINEERS OF HAWAII CORP.
50 S. BERETANIA STREET, SUITE C-208A
HONOLULU HAWAII 96813-2222
PHONE: 521-8981 FACSIMILE: 536-5457

REVISIONS

#	Date	Description
A	03/30/26	Addendum 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

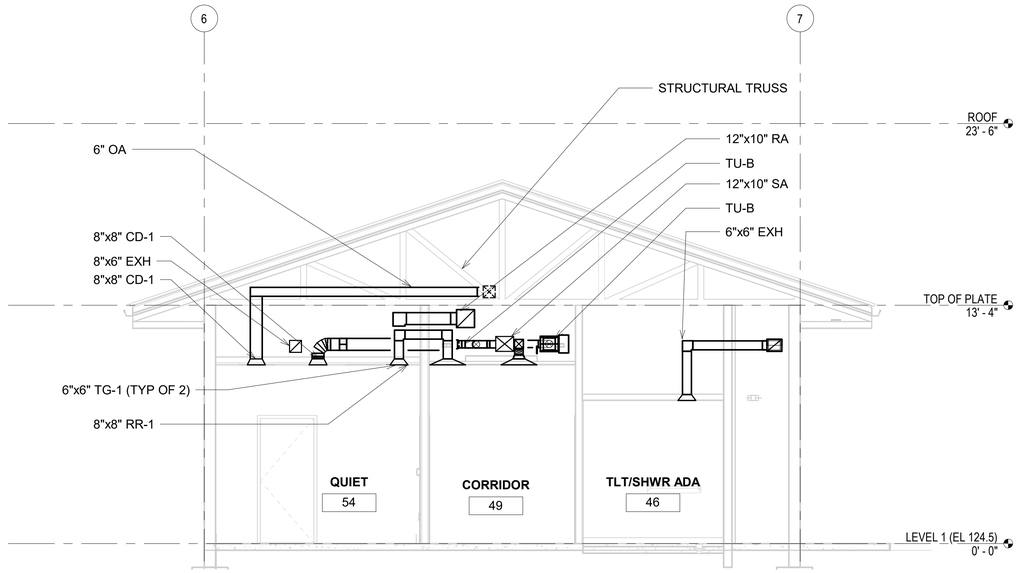
FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_PLUMBING AND FIRE_CENTRAL.rvt

SHEET NAME
WATER PIPING DIAGRAM

SCALE:

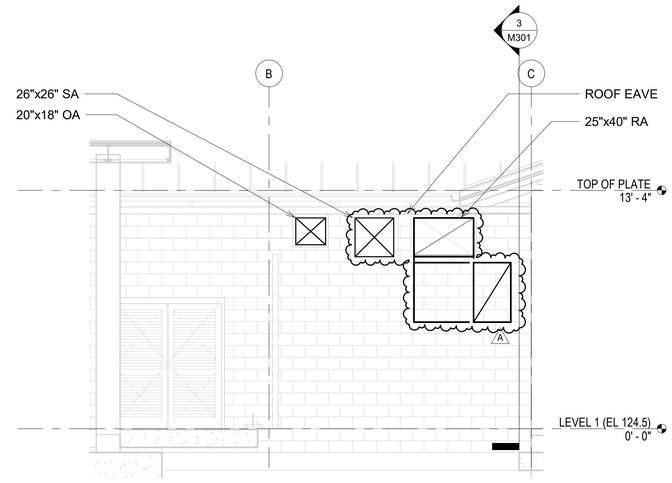
DRAWN BY	CHECKED BY
KY/ML	KC
PROJECT NO.	SHEET NO.
221093-01	P702
SHEET ISSUE DATE	
03/30/2026	

3/26/2026 8:45:15 AM



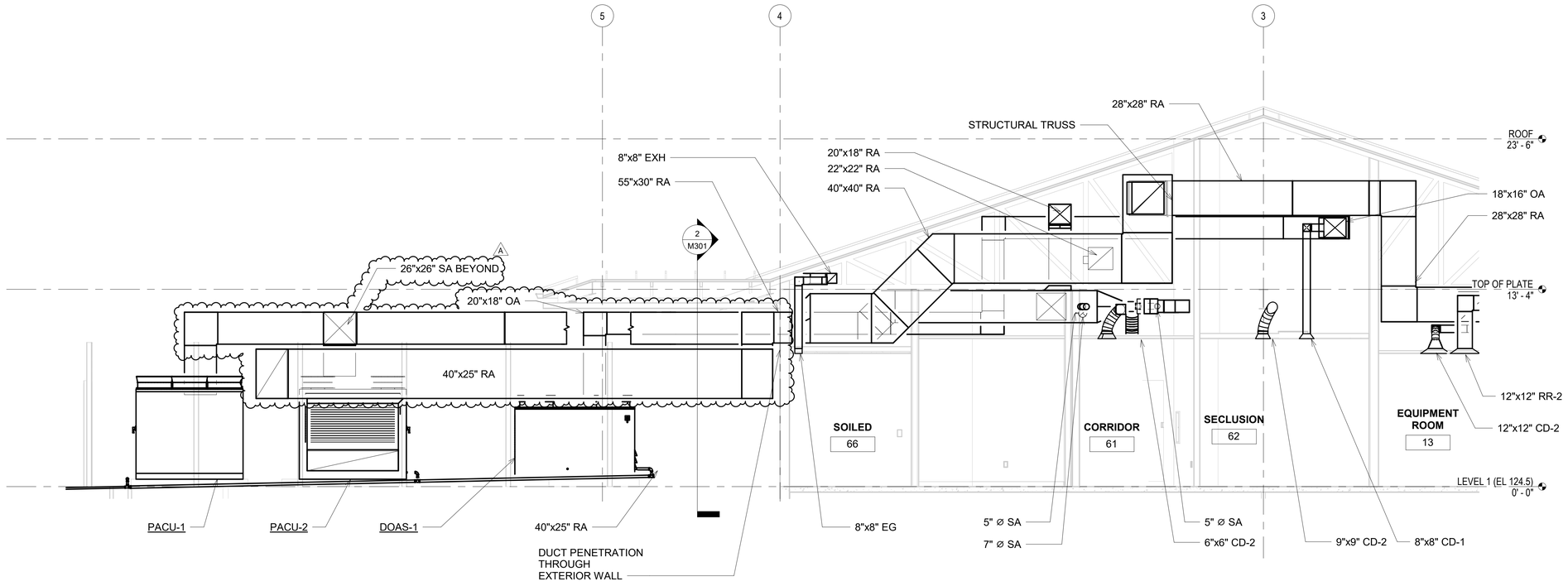
1 CORRIDOR AT GL-H SECTION

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



2 EXTERIOR WALL DUCT PENETRATION

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



3 MECHANICAL YARD & DUCTWORK ENTERING BUILDING SECTION

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

MEH CORP

MECHANICAL ENGINEERS OF HAWAII CORP.
50 S. BERETANIA STREET, SUITE C-208A
HONOLULU HAWAII 96813-2222
PHONE: 521-8981 FACSIMILE: 536-5457

REVISIONS

#	Date	Description
A	03/30/26	Addendum 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

4/30/2026
License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_HVAC_CENTRAL.rvt

SHEET NAME
MECHANICAL SECTIONS

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

DRAWN BY	CHECKED BY
DAT	KC

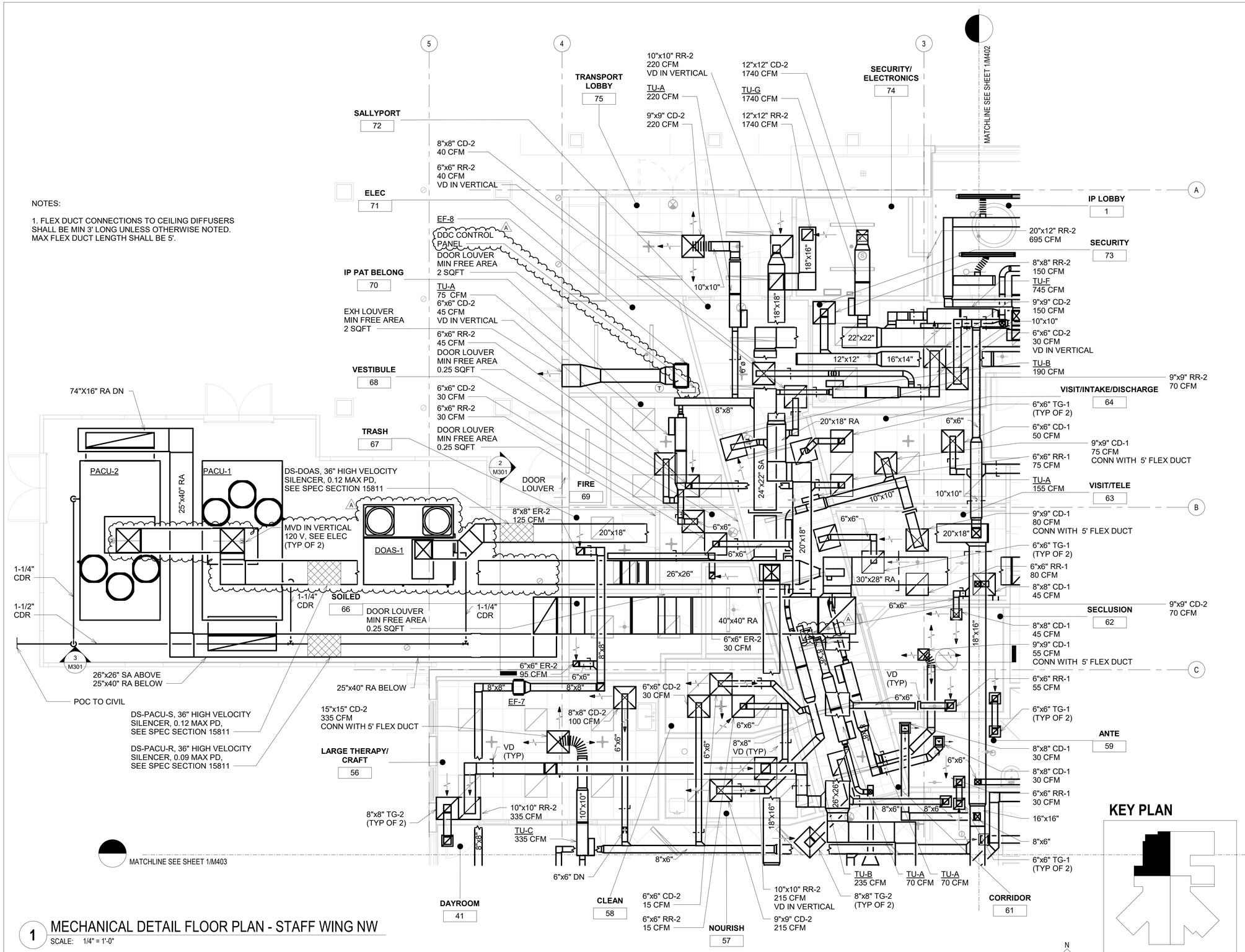
PROJECT NO.	SHEET NO.
221093-01	M301

SHEET ISSUE DATE
03/30/2026

3/27/2026 3:47:59 PM

NOTES:

1. FLEX DUCT CONNECTIONS TO CEILING DIFFUSERS SHALL BE MIN 3' LONG UNLESS OTHERWISE NOTED. MAX FLEX DUCT LENGTH SHALL BE 5'.



KEY PLAN

1 MECHANICAL DETAIL FLOOR PLAN - STAFF WING NW

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

MEH CORP

MECHANICAL ENGINEERS OF HAWAII CORP.
50 S. BERETANIA STREET, SUITE C-208A
HONOLULU HAWAII 96813-2222
PHONE: 521-8981 FACSIMILE: 536-5457

REVISIONS

#	Date	Description
A	03/30/26	Addendum 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

4/30/2026
License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

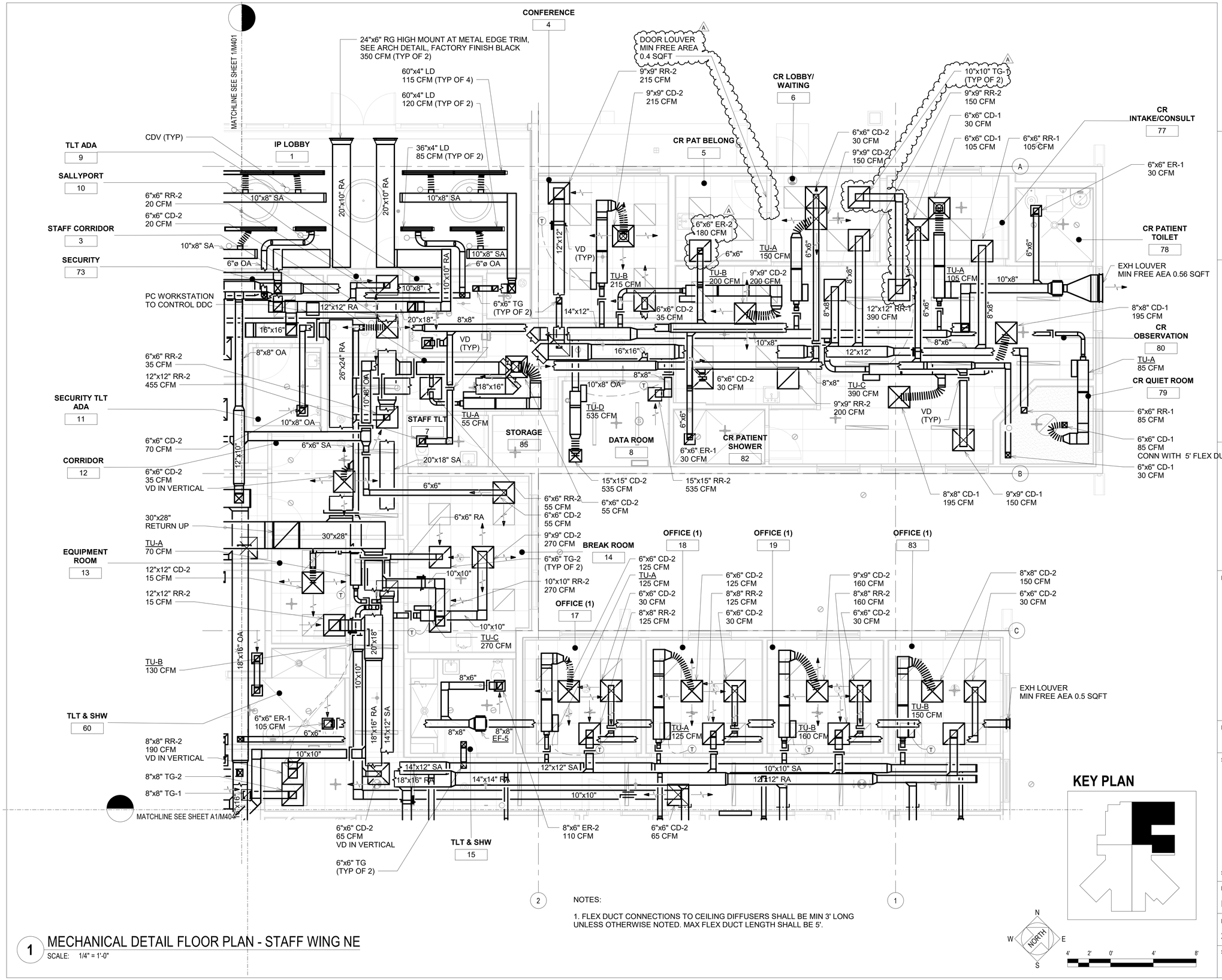
FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_HVAC_CENTRAL.rvt

SHEET NAME
MECHANICAL DETAIL FLOOR PLAN - STAFF WING NW

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

DRAWN BY	CHECKED BY
DAT	KC
PROJECT NO.	SHEET NO.
221093-01	M401
SHEET ISSUE DATE	
03/30/2026	

3/27/2026 3:48:02 PM



NOTES:

1. FLEX DUCT CONNECTIONS TO CEILING DIFFUSERS SHALL BE MIN 3' LONG UNLESS OTHERWISE NOTED. MAX FLEX DUCT LENGTH SHALL BE 5'.

1 MECHANICAL DETAIL FLOOR PLAN - STAFF WING NE

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

KEY PLAN

MEH CORP
MECHANICAL ENGINEERS OF HAWAII CORP.
50 S. BERETANIA STREET, SUITE C-208A
HONOLULU HAWAII 96813-2222
PHONE: 521-8981 FACSIMILE: 536-5457

REVISIONS

#	Date	Description
A	03/30/26	Addendum 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

4/30/2026
License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_HVAC_CENTRAL.rvt

SHEET NAME
MECHANICAL DETAIL FLOOR PLAN - STAFF WING NE

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

DRAWN BY	CHECKED BY
DAT	KC

PROJECT NO.	SHEET NO.
221093-01	M402

SHEET ISSUE DATE
03/30/2026

3/27/2026 3:48:06 PM

GENERAL NOTES:

1. CONSTRUCTION DOCUMENTS CONSIST OF DESIGN DRAWINGS (DWG) AND WRITTEN SPECIFICATIONS (SPEC). WHEREVER DISCREPANCIES OR CONFLICTS ARE FOUND BETWEEN DWG AND SPEC, THE MORE STRINGENT REQUIREMENTS/CRITERIA SHALL GOVERN.
2. ALL WORK SHOWN ON THESE DRAWINGS ARE NEW UNLESS OTHERWISE NOTED.
3. PRIOR TO ORDERING MATERIALS AND PROCURING EQUIPMENT, SUCCESSFUL BIDDER (CONTRACTOR) SHALL BE REQUIRED TO VERIFY ALL EXISTING CONDITIONS, INCLUDING BUT NOT LIMITED TO EQUIPMENT, MATERIALS, SIZES, DIMENSIONS, INVERTS, AND VOLTAGES THAT AFFECT HIS WORK. SUBMIT A LETTER TO THE ENGINEER CONFIRMING THAT THIS WAS DONE. IF WRITTEN CONFIRMATION IS NOT RECEIVED BY THE ENGINEER, SHOP DRAWINGS AND OTHER SUBMITTALS WILL BE RETURNED WITHOUT REVIEW. SHOW ALL DISCREPANCIES ON SHOP DRAWINGS AND NOTIFY THE CONTRACTING OFFICER IN WRITING OF SUCH DISCREPANCIES PRIOR TO PROCUREMENT.
4. ALL UTILITIES AND APPURTENANCES SHALL BE PROTECTED AT ALL TIMES DURING CONSTRUCTION, AND IF DAMAGED, SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE STATE.
5. THIS CONTRACT REQUIRES THE PLUMBING, FIRE PROTECTION, EMCS AND MECHANICAL SUBCONTRACTORS TO CAREFULLY COORDINATE THEIR WORK WITH EACH OTHER, THE GENERAL CONTRACTOR AND OTHER TRADES. PRIORITY SHALL BE GIVEN IN THE FOLLOWING ORDER:
   A. GRAVITY FLOW: SEWER, STORM DRAIN, DOWNSPOUT AND CONDENSATE DRAIN PIPING.
   B. EQUIPMENT AND DUCTWORK.
   C. FORCED AND PRESSURE PIPING SUCH AS WATER AND FIRE SPRINKLER PIPING.
6. ALL UNDERGROUND PRESSURE PIPING WITH MECHANICAL JOINTS SHALL HAVE CONCRETE REACTION BLOCKS AT ALL ELBOWS, TEES AND DEAD END PLUGS.
7. CONTRACTOR SHALL PROVIDE DIELECTRIC UNIONS AT CONNECTION POINTS FOR PIPING OF DISSIMILAR METALS.
8. FOR ALL FLOOR, WALL PARTITION, CEILING AND ROOF PENETRATIONS, SEE ARCHITECTURAL DRAWINGS FOR DETAILS.
9. ALL PENETRATIONS OF REQUIRED FIRE RATED WALLS, PARTITIONS AND FLOORS SHALL BE PROVIDED WITH FIRE STOPPING MATERIAL PER IBC.
10. ALL PIPING IN EQUIPMENT ROOMS THAT ARE CONNECTED TO EQUIPMENT ON VIBRATION ISOLATOR SHALL BE SUPPORTED WITH SPRING HANGERS.
11. NO CUTTING OR DRILLING OF ANY STRUCTURAL MEMBERS WILL BE PERMITTED WITHOUT THE APPROVAL OF THE STRUCTURAL ENGINEER.
12. ALL FASTENERS, SUPPORTS, PIPE HANGERS, SPRING ISOLATORS, AND MISCELLANEOUS STEEL ITEMS INCLUDING BUT NOT LIMITED TO BOLTS, NUTS, SCREWS, RODS, PLATES, AND ANGLES, ETC. SHALL BE GALVANIZED UNLESS OTHERWISE NOTED OR SPECIFIED.
13. PAINT ALL EXPOSED PIPING TO MATCH SURROUNDING COLOR. PROVIDE ESCUTCHEONS WHERE ALL EXPOSED PIPING PENETRATES FINISHED WALLS AND CEILINGS.
14. DEVICES THAT REQUIRE SERVICE CLEARANCE INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING: FIRE EXTINGUISHERS, FIRE DAMPERS, SMOKE DAMPERS, PRESSURE SENSORS, SMOKE DETECTORS, VALVES, ETC. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS TO CAREFULLY PLAN AND COORDINATE THE WORK OF ALL TRADES TO PROVIDE THE REQUIRED SERVICE CLEARANCES FOR THESE DEVICES. PROVIDE ACCESS PANELS TO CONCEALED SPACES (WHETHER SHOWN ON THE PLANS OR NOT) TO ALLOW ACCESS. PROVIDE FIRE RATED ACCESS PANELS AS REQUIRED. COORDINATE TYPE OF ACCESS PANEL WITH WALL OR CEILING CONTRACTOR. DO NOT BLOCK ACCESS BY INSTALLING EQUIPMENT, DUCTWORK, SPRINKLERS, PIPING, CABLE TRAYS, CONDUITS, ETC., DIRECTLY BELOW SUCH DEVICES OR DIRECTLY ABOVE ACCESS PANELS. INSTALLATION SHALL PROVIDE SERVICE CLEARANCE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS (BUT NOT LESS THAN 24") IN FRONT OF SUCH DEVICES. ACCESS PANELS SHALL BE 30"x30" MINIMUM UNLESS OTHERWISE NOTED.

FIRE PROTECTION NOTES:

1. TWO (2) SETS OF COMPLETE WORKING PLANS AND HYDRAULIC CALCULATIONS STAMPED AND SIGNED BY A HAWAII LICENSED MECHANICAL ENGINEER SHALL BE SUBMITTED TO THE FIRE PROTECTION SPECIAL INSPECTOR (FPSI) FOR CODE COMPLIANCE REVIEW. ONE (1) SET WITH THE FPSI APPROVAL STAMP SHALL BE SUBMITTED TO THE DPP BUILDING DIVISION ALONG WITH THE FPSI FINAL REPORT/LETTER PRIOR TO CLOSING OF THE BUILDING PERMIT.
2. PROVIDE COMPLETE WET PIPE FIRE SPRINKLER PROTECTION FOR ENTIRE BUILDING PER NFPA 13 AND IBC, INCLUDING EXPOSED OR FINISHED CEILING SPACE, OCCUPIED OR UNOCCUPIED ROOM.
3. OCCUPANCY HAZARD CLASSIFICATION SHALL BE IN ACCORDANCE WITH NFPA 13.
4. SITE WATER DATA:

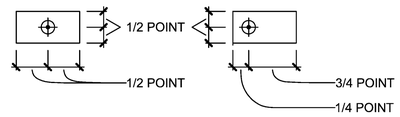
   STATIC PRESSURE = 75 PSI
   RESIDUAL PRESSURE = 50 PSI
   FLOW = 1378 GPM @ 20 PSI
5. SITE WATER PRESSURE IS MARGINAL. THE CONTRACTOR IS REQUIRED TO PROVIDE A LOOPED FIRE SPRINKLER PIPING SYSTEM ON ALL FLOORS WITH ADEQUATE PIPE SIZES TO ENSURE CODE REQUIRED MINIMUM PRESSURES AND FLOW PLUS 10% SAFETY FACTOR CAN BE ACHIEVED. PIPE SIZES INDICATED ON THE DRAWINGS ARE SUGGESTED MINIMUM SIZES ONLY.
6. FIRE PROTECTION CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR AND PLUMBING CONTRACTOR AND OFFSET PIPING TO FIT WORK FROM ALL DISCIPLINES IN SPACE AVAILABLE.
7. FIRE SPRINKLER HEADS AND PIPING INDICATED ON FLOOR PLANS ARE INTENDED TO SHOW GENERAL ROUTING OF PIPING AND TO PROVIDE CONTROL OF CEILING APPEARANCE. THEY SHOULD NOT BE INTERPRETED TO MEAN COMPLETE LAYOUT OF SPRINKLER SYSTEM. FIRE SPRINKLER HEAD LOCATIONS SHALL NOT BE ALTERED EXCEPT WITH THE APPROVAL OF THE ARCHITECT AND ENGINEER.
8. WHERE FIRE SPRINKLER HEADS ARE NOT SHOWN, THE CONTRACTOR SHALL DESIGN AND INSTALL A COMPLETE LAYOUT OF FIRE SPRINKLER HEADS TO PROVIDE AN EFFICIENT LAYOUT AND COVERAGE.
9. IF GLASS PARTITION IS USED IN LIEU OF ONE-HOUR RATED PARTITION, QUICK RESPONSE FIRE SPRINKLER HEADS AT 6 FEET ON CENTER ARE REQUIRED AT BOTH SIDES OF THE GLASS PARTITION TO MAINTAIN THE ONE-HOUR RATING. GLASS SHALL BE TEMPERED TYPE.
10. ALL FIRE SPRINKLER CONTROL VALVES AND WATER FLOW SWITCHES, SHALL BE ELECTRICALLY SUPERVISED IN ACCORDANCE WITH THE 2018 IBC.
11. FIRE SPRINKLER SYSTEM ALARMS SHALL BE SUPERVISED, CONFORMING TO 2018 IBC.
12. WHEN VALVES ARE INSTALLED IN A HORIZONTAL POSITION, VALVE STEM SHALL BE INSTALLED IN AN UPRIGHT POSITION. IF THIS IS NOT POSSIBLE BECAUSE OF SPACE AND HEADROOM CONSTRAINTS, VALVE STEM SHALL BE INSTALLED IN AN INCLINED POSITION ABOVE THE HORIZONTAL CENTERLINE OF THE PIPE.
13. BUTTERFLY VALVES MAY BE USED INSTEAD OF OUTSIDE SCREW AND YOKE GATE VALVES WHERE PERMITTED BY NFPA.
14. SOLENOID VALVES AND LOCAL ALARMS SHALL BE SUITABLE FOR 120 VOLTS, SINGLE PHASE.
15. EXPOSED PIPING SHALL PROVIDE MAXIMUM HEADROOM CLEARANCE. OFFSET SHALL BE PROVIDED TO ACHIEVE MAXIMUM HEADROOM CLEARANCE.
16. ALL HEAT AND SMOKE DETECTORS SHALL BE PROVIDED BY A SEPARATE FIRE ALARM SYSTEM CONTRACTOR, SEE ELECTRICAL SPECIFICATION SECTION.
17. PROVIDE SEISMIC PROTECTION FOR PIPING TO PREVENT DAMAGE FROM EARTHQUAKES PER BUILDING CODE.
18. BOTTOM OF FIRE EXTINGUISHER CABINETS SHALL BE INSTALLED AT 26.5" ABOVE THE FINISHED FLOOR; SEE PLANS FOR LOCATIONS.
29. PROVIDE SPARE SPRINKLER HEADS, PROPER STOPPERS, AND SPECIAL SPRINKLER WRENCH STORED IN A METAL CABINET IN THE MECHANICAL ROOM. THE SPRINKLER SHALL BE KEPT IN A CABINET LOCATED WHERE THE TEMPERATURE IN WHICH THEY ARE SUBJECTED WILL AT NO TIME EXCEED 100°F. THE STOCK OF SPARE SPRINKLERS SHALL INCLUDE ALL TYPES AND RATINGS INSTALLED AND SHALL BE AS FOLLOWS:
   A. FOR PROTECTED FACILITIES HAVING 1 TO 300 SPRINKLERS - NO FEWER THAN 6 SPRINKLERS.
   B. FOR PROTECTED FACILITIES HAVING UNDER 300 TO 1000 SPRINKLERS - NO FEWER THAN 12 SPRINKLERS.
   C. FOR PROTECTED FACILITIES HAVING 301 TO 1000 SPRINKLERS - NO FEWER THAN 24 SPRINKLERS.
   D. A SPECIAL SPRINKLER WRENCH SHALL BE PROVIDED AND KEPT IN THE CABINET TO BE USED IN THE REMOVAL AND INSTALLATION OF SPRINKLERS. ONE SPRINKLER WRENCH SHALL BE PROVIDED FOR EACH TYPE OF SPRINKLER INSTALLED.

FIRE PROTECTION LEGEND

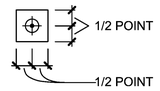
	ACV	ALARM CHECK VALVE
	AFF	ABOVE FINISHED FLOOR
	AFG	ABOVE FINISHED GRADE
	AG	ABOVEGROUND
	AHJ	AUTHORITY HAVING JURISDICTION
	AP	ACCESS PANEL
	BV	BUTTERFLY VALVE
		CONCEALED PENDENT FIRE SPRINKLER HEAD
	CONN	CONNECT OR CONNECTION
	CONT	CONTINUATION
	CV	CHECK VALVE
	DN	DOWN
		EXPOSED PENDENT FIRE SPRINKLER HEAD WITH WATER SHIELD
-	FRD	FIRE DAMPER
	FDC	FIRE DEPARTMENT CONNECTION
	FE	FIRE EXTINGUISHER
	FEC-R	FIRE EXTINGUISHER CABINET - RECESSED
	FEC-S	FIRE EXTINGUISHER CABINET - SURFACE MOUNT
	FEC-SR	FIRE EXTINGUISHER CABINET - SEMI-RECESSED
-	FRD	FIRE DAMPER
-	F/SD	FIRE/SMOKE DAMPER
F	FL SW	FLOW SWITCH
	FLXC	FLEXIBLE CONNECTOR
F	FSPK	FIRE SPRINKLER
	GC	GENERAL CONTRACTOR
	HVLS	HIGH VOLUME LOW SPEED FANS
	OS&Y GV	OUTSIDE SCREW & YOKE GATE VALVE
	OS & Y	OUTSIDE SCREW AND YOKE
	PG	PRESSURE GAUGE
	POC	POINT OF CONNECTION
	PS	PRESSURE SENSOR/PRESSURE SWITCH
D	REL D	RELIEF DRAIN
	STR	STRAINER
S	SD	SMOKE DETECTOR
	SV	SOLENOID VALVE
$	SW	SWITCH
	TERM	TERMINATE
	TS	TEMPERATURE SENSOR/TAMPER SWITCH
		UPRIGHT FIRE SPRINKLER HEAD
	UG	UNDERGROUND

SPRINKLER HEAD PLACEMENT ON CEILING TILE

1. 2' x 4' CEILING TILE:



2. 2' x 2' CEILING TILE:



MEH CORP
MECHANICAL ENGINEERS OF HAWAII CORP.
50 S. BERETANIA STREET, SUITE C-208A
HONOLULU HAWAII 96813-2222
PHONE: 521-8981 FACSIMILE: 536-5457

REVISIONS

#	Date	Description
A	03/30/26	Addendum 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

4/30/2026
License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_PLUMBING AND FIRE_CENTRAL.rvt

SHEET NAME
GENERAL NOTES, FIRE PROTECTION NOTES, AND FIRE PROTECTION LEGEND

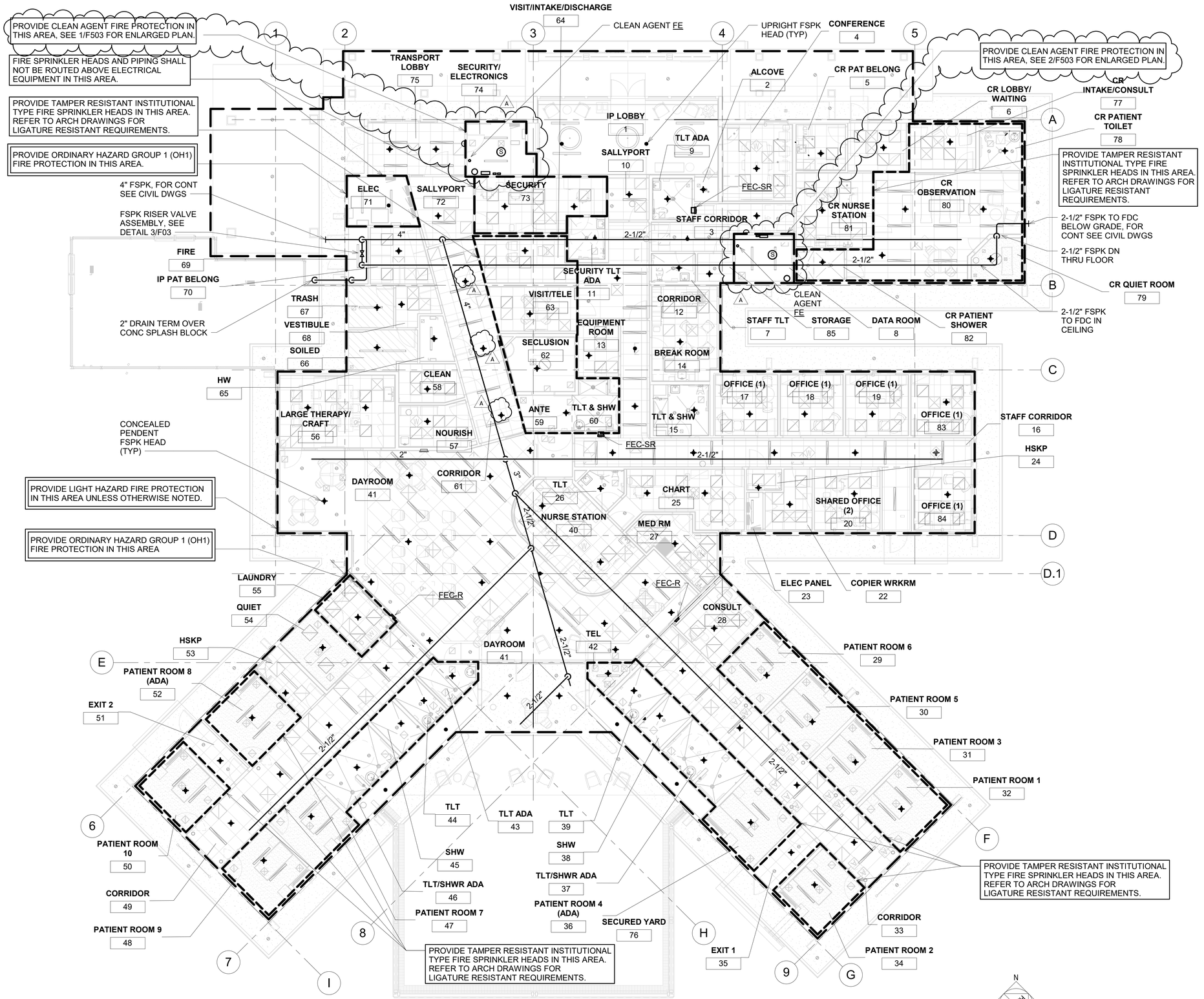
SCALE:

DRAWN BY	CHECKED BY
KP	KC

PROJECT NO.	SHEET NO.
221093-01	F001

SHEET ISSUE DATE
03/30/2026

3/30/2026 12:34:53 PM



1 FIRE PROTECTION FLOOR PLAN
SCALE: 1/8" = 1'-0"

MEH CORP
MECHANICAL ENGINEERS OF HAWAII CORP.
50 S. BERETANIA STREET, SUITE C-208A
HONOLULU HAWAII 96813-2222
PHONE: 521-8981 FACSIMILE: 536-5457

REVISIONS

#	Date	Description
A	03/30/26	Addendum 1

ADDENDUM 1 / PERMIT SET
03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

4/30/2026
License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

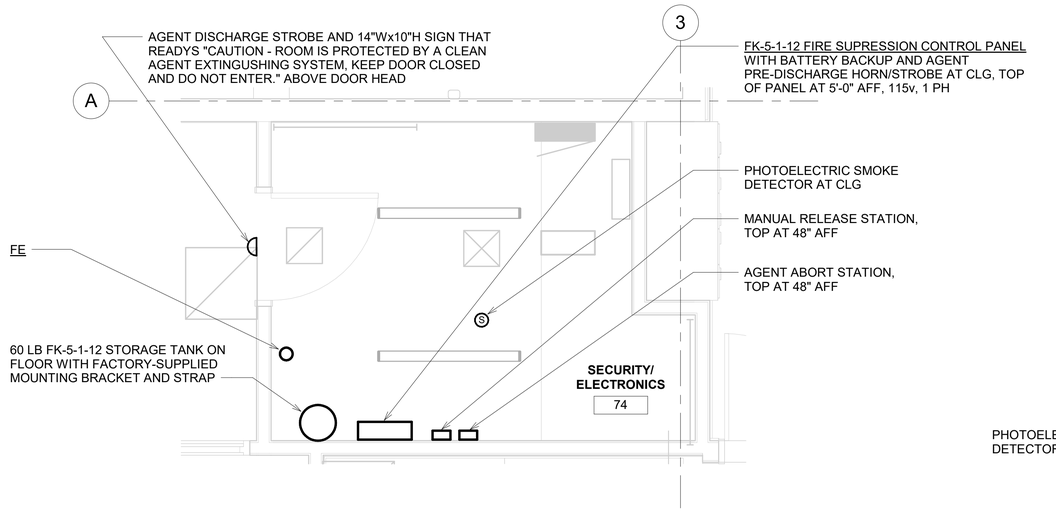
FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_PLUMBING AND FIRE_CENTRAL.rvt

SHEET NAME
FIRE PROTECTION FLOOR PLAN

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

DRAWN BY	CHECKED BY
KP	KC
PROJECT NO.	SHEET NO.
221093-01	F101
SHEET ISSUE DATE	
03/30/2026	

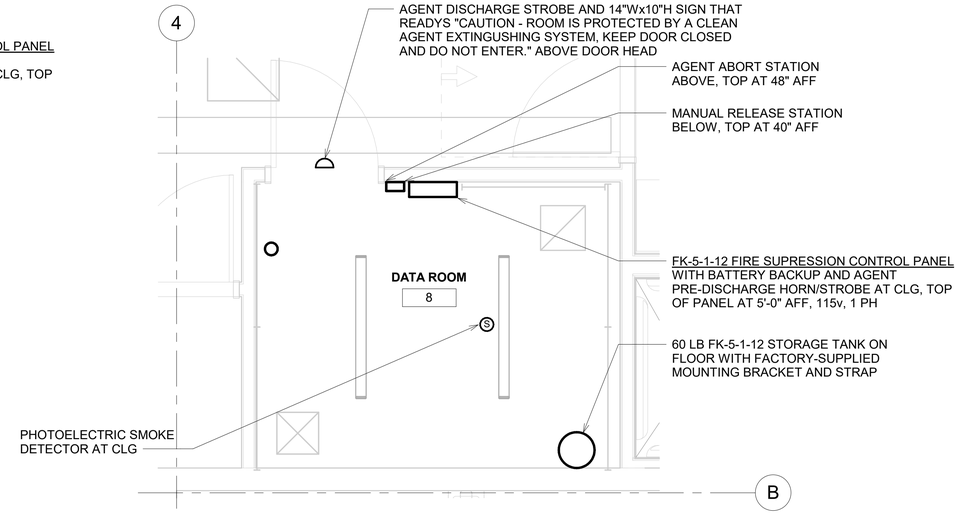
3/30/2026 12:25:15 PM



NOTES:
1. PROVIDE COMPLETE INDEPENDENT FK-5-1-12 FIRE SUPPRESSION SYSTEM FOR SECURITY/ELECTRONICS ROOM. SEE FK-5-1-12 NOTES AND SEQUENCE OF OPERATION ON THIS SHEET FOR ADDITIONAL REQUIREMENTS.

1 ENLARGED SECURITY/ELECTRONICS FIRE PROTECTION FLOOR PLAN

SCALE: 1/2" = 1'-0"



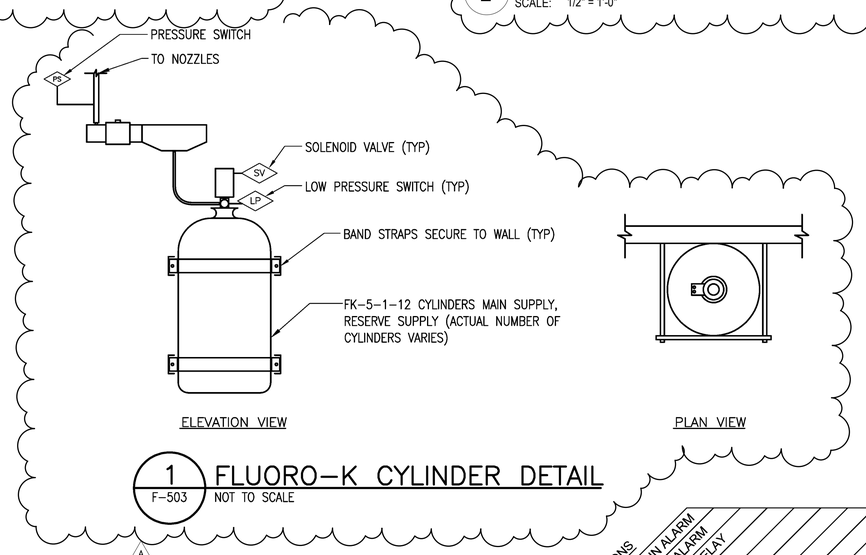
NOTES:
1. PROVIDE COMPLETE INDEPENDENT FK-5-1-12 FIRE SUPPRESSION SYSTEM FOR DATA ROOM. SEE FK-5-1-12 NOTES AND SEQUENCE OF OPERATION ON THIS SHEET FOR ADDITIONAL REQUIREMENTS.

2 ENLARGED DATA ROOM FIRE PROTECTION FLOOR PLAN

SCALE: 1/2" = 1'-0"

FK-5-1-12 NOTES:

1. FK-5-1-12 PROTECTION AREA (SECURITY/ELECTRONICS 74 AND DATA ROOM 8): ALL WALLS SHALL BE AIRTIGHT AND EXTEND FROM FINSHED FLOOR TO THE UNDERSIDE OF CEILING.
2. SECURITY/ELECTRONICS 74 AND DATA ROOM 8: ALL DOOR GAPS BETWEEN THE DOOR, JAMBS, HEADS SHALL BE SEALEAD WITH GASKET ALL AROUND.
3. THE FIRE SUPPRESSION CONTROL PANEL SHALL PROVIDE OUTPUTS FOR GENERAL ALARM AND GENERAL TROUBLE TO THE BUILDING FIRE ALARM SYSTEM (BY ELECTRICAL).
4. THE FIRE SUPPRESSION SYSTEMS SHALL BE DESIGNED AND INSTALLED PER 2008 NFPA 70 & 72 AND MANUFACTURER'S GUIDELINES.
5. THE FIRE SUPPRESSION SYSTEM CONTROL PANEL SHALL PROVIDE SUFFICIENT BATTERY BACKUP TO SUSTAIN 24 HOURS OF STANDBY AND 5 MINUTES OF ALARM OPERATION.
6. ALL DEVICES SHALL BE MOUNTED PER NFPA 72.
   a. THE LOCATION AND SPACING OF ALL SMOKE DETECTORS SHALL BE DETERMINED UPON THE EVALUATION OF THE HAZARD CONDITIONS.
   b. ALL SMOKE DETECTORS SHALL BE LOCATED NO CLOSER THAN THREE (3) FEET FROM ANY AIR REGISTER.
   c. MOUNT RELEASE STATION AND MANUAL ABORT STATIONS 48 INCHES TO THE TOP OF THE DEVICE ABOVE THE FINISHED FLOOR, UNLESS OTHERWISE INDICATED ON DRAWINGS.
   d. MOUNT HORN/STROBE DEVICE MIN 80 INCHES TO THE BOTTOM OF THE DEVICE ABOVE THE FINISHED FLOOR.
   e. MOUNT DISCHARGE STROBE OUTSIDE THE PROTECTED AREA ABOVE THE DOORWAY THAT ENTERS THE PROTECTED AREA.
   f. MOUNT FIRST ALARM BELL DEVICE 80 INCHES TO THE BOTTOM OF THE DEVICE ABOVE THE FINISHED FLOOR.
7. THE DISCHARGE TIME OF THE FK-5-1-12 SYSTEM SHALL BE 10 SECONDS OR LESS. THE PROTECTED VOLUME SHALL BE TOTALLY FLOODED AT A MINIMUM 7% CONCENTRATION FACTOR. THE PROTECTED AREA SHALL MAINTAIN A MINIMUM 7% CONCENTRATION FOR A MINIMUM PERIOD OF 10 MINUTES.
8. ALL DOORS WITHIN THE PROTECTED AREA SHALL BE PROVIDED WITH DOOR CLOSURES, DOOR SEALS AND DOOR SWEEPS TO MAINTAIN A PROPER FK-5-1-12 CONCENTRATION LEVEL AND PREVENT LEAKAGE OF AGENT.
9. UPON THE COMPLETION OF THE SYSTEM INSTALLATION A COMPLETE FUNCTIONAL TEST OF EACH SYSTEM SHALL BE PERFORMED PRIOR TO THE FINAL INSPECTION BY THE AUTHORITY HAVING JURISDICTION, TO ENSURE PROPER OPERATION OF EACH SYSTEM.
10. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ALL TESTING WITH THE LOCAL A.H.J., STATE DESIGNATED REPRESENTATIVES AND ANY ASSOCIATED CONTRACTORS.
11. MOTORIZED VOLUME DAMPERS AT THE INTAKE AND DISCHARGE LOUVERS SHALL INTERFACE WITH THE FK-5-1-12 FIRE SUPPRESSION CONTROL PANEL. MOTORIZED DAMPERS SHALL CLOSE WHEN SMOKE DETECTORS AND/OR MANUAL RELEASE STATION IN THE GENERATOR ROOM ARE IN ALARM.



1 FLUORO-K CYLINDER DETAIL

F-503 NOT TO SCALE

FK-5-1-12 SEQUENCE OF OPERATIONS

OUTPUTS AND CONTROLS / INPUTS AND ACTIONS	SINGLE SMOKE DETECTOR IN ALARM	TWO SMOKE DETECTOR IN ALARM	EXPIRATION OF THE TIME DELAY	MANUAL RELEASE STATION	ABORT STATION	TROUBLE	BATTERY FAULT	OPEN CIRCUIT FAULT	LOSS OF PRIMARY POWER
SLOW PULSE HORN / STROBE IN THE PROTECTED SPACE	●								
FAST PULSE HORN / STROBE IN THE PROTECTED SPACE		●		●					
ACTIVE DISCHARGE STROBE OUTSIDE THE PROTECTED SPACE			●	●					
ILLUMINATE LED ON THE SMOKE DETECTOR	●	●							
ACTIVATE 10 SEC. TIME DELAY				●					
ACTIVATE 30 SEC. TIME DELAY		●							
HOLD THE AGENT RELEASE UNTIL THE ABORT IS RELEASED					●				
RELEASE THE AGENT INTO THE PROTECTED AREA			●						
SHUT DOWN HVAC SYSTEM AND TECHANICAL POWER IN THE AREA		●		●					
SEND ALARM SIGNAL TO MAIN BUILDING FIRE ALARM PANEL	●	●		●					
SEND TROUBLE SIGNAL TO MAIN BUILDING ALARM PANEL					●	●	●	●	●

NOTES:
1. ROOM LIGHT SHALL REMAIN ON.
2. INTERRUPTION OF TIME DELAY OCCURS ONLY FOR THE SMOKE DETECTOR ACTIVATION SEQUENCE.
3. INTERRUPTION OF TIME DELAY NOT PERMITTED FOR THE MANUAL RELEASE STATION ACTIVATION SEQUENCE.



NOTE:
SIGNS SHALL BE PLACED BY ALL DEVICES & ENTRIES INTO PROTECTED AREAS.

2 SYSTEM OPERATION SIGNS

F-503 NOT TO SCALE

MEH CORP
MECHANICAL ENGINEERS OF HAWAII CORP.
50 S. BERETANIA STREET, SUITE C-208A
HONOLULU HAWAII 96813-2222
PHONE: 521-8981 FACSIMILE: 536-5457

REVISIONS

#	Date	Description
A	03/30/26	Addendum 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

4/30/2026
License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_PLUMBING AND FIRE_CENTRAL.rvt

SHEET NAME
ENLARGED FIRE PROTECTION FLOOR PLANS, FK-5-1-12 NOTES AND SEQUENCE OF OPERATIONS

SCALE: 1/2" = 1'-0"

DRAWN BY	CHECKED BY
KP	KC
PROJECT NO.	SHEET NO.
221093-01	F503
SHEET ISSUE DATE	
03/30/2026	

3/30/2026 3:04:46 PM

ABBREVIATIONS

AFF	DENOTES "ABOVE FINISH FLOOR"
BKBD	DENOTES "BACKBOARD"
CKT BKR	DENOTES "CIRCUIT BREAKER"
DISC SW	DENOTES "DISCONNECT SWITCH"
ELEC	DENOTES "ELECTRICAL"
FACP	DENOTES "FIRE ALARM CONTROL PANEL"
GND	DENOTES "GROUND"
HH	DENOTES "HANDHOLE"
JB	DENOTES "JUNCTION BOX"
MTD	DENOTES "MOUNTED"
NL	DENOTES "NIGHT LIGHT"
PA	DENOTES "PUBLIC ADDRESS SYSTEM"
TELECOM	DENOTES "TELECOMMUNICATIONS"
TP	DENOTES "TAMPERPROOF"
TYP	DENOTES "TYPICAL"
WP	DENOTES "WEATHERPROOF"
XFMR	DENOTES "TRANSFORMER"

PANEL LEGEND:

PANEL 4A1

- 4 — PANEL ID NUMBER
- A — PANEL LOCATION ON FLOOR
- 1 — SERVICE VOLTAGE

SERVICE VOLTAGE:

4 – 480Y/277V, 3ø, 4W
2 – 208Y/120V, 3ø, 4W

GENERAL NOTES

1. PLANS DO NOT INDICATE COMPLETE EXISTING ELECTRICAL CONDITIONS. VISIT JOBSITE TO BECOME FAMILIAR WITH ALL EXISTING CONDITIONS AND EXTENT OF WORK PRIOR TO THE START OF WORK. REPORT ANY DISCREPANCIES AND/OR DIFFERENCE IN DRAWINGS, IN RESPECT TO EXISTING CONDITION, TO THE ENGINEER.
2. ALL SCHEDULED ELECTRICAL OUTAGES SHALL BE APPROVED BY THE OWNER. THE CONTRACTOR SHALL SUBMIT REQUESTS TO THE OWNER A MINIMUM 15 DAYS PRIOR TO THE OUTAGE. ALL TELECOM AND FIRE ALARM SYSTEM OUTAGES SHALL BE COORDINATED AND APPROVED BY THE OWNER. OUTAGES SHALL BE SCHEDULED AND LIMITED PER THE OWNER'S REQUIREMENTS.
3. BEFORE ANY ELECTRICAL WIRING IS CUT, VERIFY USAGE OF WIRING TO ENSURE THAT REQUIRED SERVICES ARE NOT DISCONTINUED.
4. WHERE POSSIBLE CONCEAL ALL RACEWAYS IN WALLS, ABOVE CEILINGS, OR IN CABINETS. WHERE RACEWAYS ARE EXPOSED, PAINT RACEWAYS AND BOXES TO MATCH ADJACENT FINISH.
5. SUBCONTRACTORS SHALL COORDINATE AND COOPERATE WITH THE GENERAL CONTRACTOR TO VERIFY CLEAR MAINTENANCE ACCESS SPACE TO ALL EQUIPMENT INCLUDING AIR HANDLING UNITS, FAN COIL UNITS, EXHAUST FANS, SUPPLY FANS, VARIABLE AIR VOLUME BOXES, AIR VALVES, ETC. AND PROVIDE INFORMATION TO COMPILE A SINGLE SET OF DRAWINGS SHOWING THESE ACCESS REQUIREMENTS. THE COMPILED DRAWINGS SHALL BE COORDINATED AND INCORPORATED IN A 3D MODEL BY THE GENERAL CONTRACTOR AND INCLUDE ALL MECHANICAL EQUIPMENT, LIGHT FIXTURES, ELECTRICAL CONDUITS, FIRE ALARM CONDUITS, TELECOM CONDUITS, JUNCTION BOXES, PIPING, FIRE SPRINKLER HEADS, CABLE TRAYS, ETC. NO NEW WORK SHALL COMMENCE UNTIL APPROVAL OF THIS SHOP DRAWING IS PROVIDED.
6. ELECTRICAL RECEPTACLES AND TELECOMMUNICATIONS OUTLETS SHALL BE INSTALLLED VERTICALLY WITH THE EXCEPTION OF ABOVE COUNTER RECEPTACLES AND OUTLETS WHICH SHALL BE INSTALLED HORIZONTALLY.
7. ELECTRICAL RECEPTACLES SHALL BE COLOR CODED TO DESIGNATE RECEPTACLES CONNECTED TO NORMAL OR EMERGENCY POWER. THE COLOR CODE SHALL BE:

   NORMAL (EMERGENCY): WHITE BODY/STAINLESS STEEL FACEPLATE

   OCCUPANCY SENSOR CONTROLLED: GRAY BODY/STAINLESS STEEL FACEPLATE
8. ESTABLISH FINISH ELEVATIONS OF ALL EXTERIOR UTILITY STRUCTURES, FRAMES AND COVERS WITHIN ACCESSIBLE ROUTES SUCH THAT THEY WILL BE FLUSH WITH THE SURFACE OF THE ADJACENT ACCESSIBLE ROUTE WHEN WORK IS COMPLETED.
9. MODIFICATIONS TO ARCHITECTURAL ELEMENTS TO INSTALL ELECTRICAL ITEMS INCLUDING BUT NOT LIMITED TO WALL SURFACES, ACOUSTICAL CEILING TILES, SECURE CEILING SYSTEMS, AND FLOORING SYSTEMS SHALL BE BY OTHERS. THE ELECTRICAL CONTRACTOR SHALL COORDINATE NECESSARY MODIFICATIONS WITH THE APPLICABLE TRADES TO COMPLETE THE NECESSARY MODIFICATIONS.

ELECTRICAL SYMBOLS

EXIST SYMBOL	NEW SYMBOL	DESCRIPTION
		ELECTRICAL PANELBOARD
		EQUIPMENT DISCONNECT SWITCH
		SINGLE RECEPTACLE, WALL MTD +18" OR AS NOTED
	TP	DUPLEX RECEPTACLE, WALL MTD +18" OR AS NOTED. "TP" DENOTES TAMPERPROOF DEVICE
		RANGE RECEPTACLE, NEMA 14-50R, WALL MTD +18" OR AS NOTED
		DUPLEX RECEPTACLE, OCCUPANCY SENSOR CONTROLLED, WALL MTD +18" OR AS NOTED
		QUAD RECEPTACLE, WALL MTD +18" OR AS NOTED.
		DUPLEX RECEPTACLE, GFI TYPE, WALL MTD +18" OR AS NOTED
		SPECIAL PURPOSE RECEPTACLE, RATING AS NOTED, WALL MTD +18" OR AS NOTED
		DUPLEX RECEPTACLE, CEILING MTD
		ELECTRICAL EQUIPMENT CONNECTION
	J / J	JUNCTION BOX, 4" SQ MIN., WALL/CEILING MTD RESPECTIVELY
		TELECOMMUNICATIONS OUTLET W/3 RJ-45 DATA JACKS, WALL MTD +18" OR AS NOTED
		COMBINATION DUPLEX RECEPTACLE/TELECOMMUNICATIONS OUTLET, FLOOR MTD
	V	VIDEO OUTLET, JACKS AS INDICATED, WALL MTD +18" OR AS NOTED
A	W / W	TELECOMMUNICATIONS WIRELESS ACCESS POINT, WALL MTD +8'-0"/MTD ABOVE CEILING
		FIRE ALARM CONTROL PANEL
	F	FIRE ALARM AUDIBLE/VISUAL SIGNALING DEVICE, WALL MTD +84" OR AS NOTED
	F	FIRE ALARM VISUAL SIGNALING DEVICE, WALL MTD +84" OR AS NOTED
	F	FIRE ALARM PULLSTATION, WALL MTD +46" OR AS NOTED
	F	FIRE ALARM AUDIBLE/VISUAL SIGNALING DEVICE, CEILING MTD
	F	FIRE ALARM VISUAL SIGNALING DEVICE, CEILING MTD
	S	FIRE ALARM SMOKE DETECTOR, CEILING MTD
	D	FIRE ALARM DUCT SMOKE DETECTOR, CEILING MTD
	H	FIRE ALARM HEAT DETECTOR, CEILING MTD
	FS	FIRE ALARM FLOW SWITCH CONNECTION
	FD	FIRE ALARM CONNECTION FOR FIRE SMOKE DAMPER
	TS	FIRE ALARM TAMPER SWITCH CONNECTION
	FV	FIRE ALARM FLOOR CONTROL VALVE CONNECTION
	AR	FIRE ALARM ADDRESSABLE RELAY
	M	FIRE ALARM CONNECTION TO MAGNETIC DOOR HOLD DEVICE
		LED AREA LIGHT POLE W/MOUNTING ARM. SEE SHEET E501 FOR DETAIL.
	P	PUBLIC ADDRESS SYSTEM SPEAKER, CEILING MTD
	P	PUBLIC ADDRESS SYSTEM SPEAKER, WALL MTD
	A Z1	LINEAR LED FIXTURE, CEILING RECESSED. "A" DENOTES FIXTURE TYPE "A" INDICATED. "Z1" DENOTES FIXTURE CONNECTED TO LIGHTING CONTROL ZONE "Z1".
		ROUND LED DOWNLIGHT FIXTURE, CEILING RECESSED
		ROUND LED FIXTURE, CEILING SURFACE
		ROUND LED DOWNLIGHT FIXTURE, CEILING PENDANT MTD
		LED ILLUMINATED MIRROR, WALL RECESSED MTD
		LED DIRECT/INDIRECT FIXTURE, CEILING RECESSED
	$	LOW VOLTAGE LIGHTING CONTROL STATION, WALL MTD +48 TO TOP OR AS NOTED
		CONTROL STATION "a" INDICATED. SEE SHEET E-XXX FOR CONTROL DEVICE SCHEDULE.
	2 OS	OCCUPANCY SENSOR, CEILING MTD. SENSOR TYPE "2" INDICATED
	OS 1	COMBINATION OCCUPANCY SENSOR/SWITCH, WALL MTD +48" TO TOP OR AS NOTED.
		SENSOR TYPE "1" INDICATED.
	CP 1	LIGHTING CONTROL SYSTEM CONTROL PAD, WALL MTD +48" TO TOP OR AS NOTED.
		CONTROL PAD TYPE "1" INDICATED.
	CI	LIGHTING CONTROL LOW VOLTAGE CONTACT CLOSURE INTERFACE. WALL MTD IN OUTLET BOX
		BEHIND CONTROL PAD OR IN SEPARATE BOX ABOVE SUSPENDED CEILING.
	TS	LIGHTING CONTROL TOUCHSCREEN CONTROLLER. WALL MTD +48" TO TOP OR AS NOTED.
	SM	LIGHTING CONTROL SENSOR MODULE. MOUNTED ABOVE SUSPENDED CEILING.
	GW	LIGHTING CONTROL GATEWAY MODULE. GATEWAY "A" INDICATED. MTD ABOVE CEILING.
		EXIT SIGN LIGHT. WALL/CEILING MTD RESPECTIVELY. SHADING INDICATES FACE.
		ARROW INDICATES DIRECTION.

EXIST SYMBOL	NEW SYMBOL	DESCRIPTION
		2'X4' ELECTRICAL PULLBOX
		FIRE ALARM PULLBOX. SEE SHEET E502 FOR DETAIL.
		LIGHTING PULLBOX. SEE SHEET E502 FOR DETAIL.
		TELECOMMUNICATIONS PULLBOX. SEE SHEET E502 FOR DETAIL.
		3'X5' HAWAIIAN TELCOM PRECAST CONCRETE HANDHOLE PER HTCO STD DWG NO 34110A.
e	a	STUB, CAP, & MARK CONDUIT(S) WITH CONCRETE STUB OUT MARKER.
e		CONDUIT CONCEALED IN SLAB OR BELOW GRADE
		CONDUIT CONCEALED IN WALL OR ABOVE CEILING. 3 WIRES INDICATED. NO HASHMARKS DENOTES 2 WIRES.
		EXPOSED CONDUIT
		HOMERUN TO ELECTRICAL PANELBOARD OR AS INDICATED
e	E	ELECTRICAL CONDUIT
t	T	TELECOMMUNICATIONS CONDUIT, 1" MIN
	F	FIRE ALARM CONDUIT
e/oh	E/OH	OVERHEAD UTILITY LINE
	EA TA 2-4E 2-4T	ELECTRICAL DUCTLINE WITH DUCT SECTION DESIGNATORS; ITEMS IN CIRCLE INDICATES DUCT SECTION TYPE; DUCT DESIGNATORS IN ADJACENT CIRCLES INDICATES DUCTS INSTALLED IN COMMON TRENCH AND COMBINED CONCRETE ENCASEMENT WITH REQUIRED DUCT SEPARATIONS; DUCT DESIGNATION CUT LINE INDICATES VIEW OF DUCT SECTION; SHOWN WITH DUCT COMPLEMENTS TYPE "EA" DUCT SECTION WITH 2-4"E DUCTS AND TYPE "TA" DUCT SECTION WITH 2-4"T DUCTS IN COMMON TRENCH AND CONCRETE ENCASEMENT (E=ELECTRIC, T=TELECOMMUNICATIONS, L=LIGHTING, F=FIRE ALARM). SEE SHEET E504 FOR DUCT SECTION DETAILS
	1	NOTE SYMBOL, SEE PLAN FOR NOTES
		TELECOMMUNICATIONS/SECURITY SYSTEM GROUNDING BUS BAR, WALL MTD

2153 NORTH KING STREET, SUITE 201
HONOLULU, HAWAII 96819
808.941.0577
--

REVISIONS

A 03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

BILLY J. ORNELLAS
LICENSED PROFESSIONAL ENGINEER
No. 11658-E
HAWAII, U.S.A.

April 30, 2028
License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME

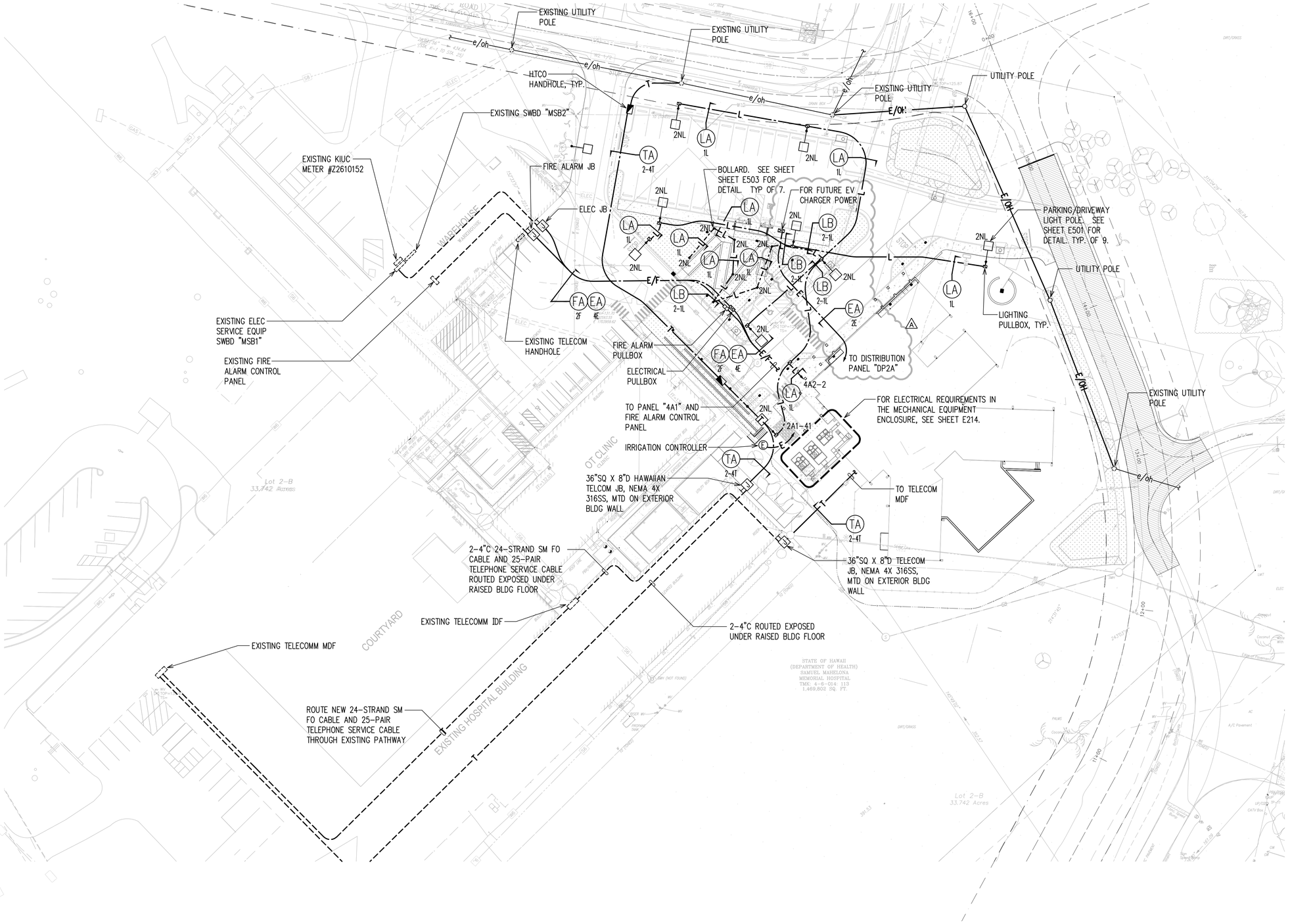
SHEET NAME

ELECTRICAL SYMBOLS

SCALE: NONE

DRAWN BY	CHECKED BY
CAD	BO
PROJECT NO. 221093-01	SHEET NO. **E001**
SHEET ISSUE DATE 03/30/2026	

LAST SAVE: 11/13/25 @ 08:41:50 BY: BO PLOT SC 1"=1'



NORTH

1 / E102 ELECTRICAL SITE PLAN
SCALE: 1"=30'

30' 15' 0 30' 60' 90'
SCALE: 1"=30'
GRAPHIC SCALE

2153 NORTH KING STREET, SUITE 201
HONOLULU, HAWAII 96819
808.941.0577
--

REVISIONS

1 03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET
03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

BILLY J. ORNELLAS
LICENSED PROFESSIONAL ENGINEER
No. 11658-E
HAWAII, U.S.A.

April 30, 2028
License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME

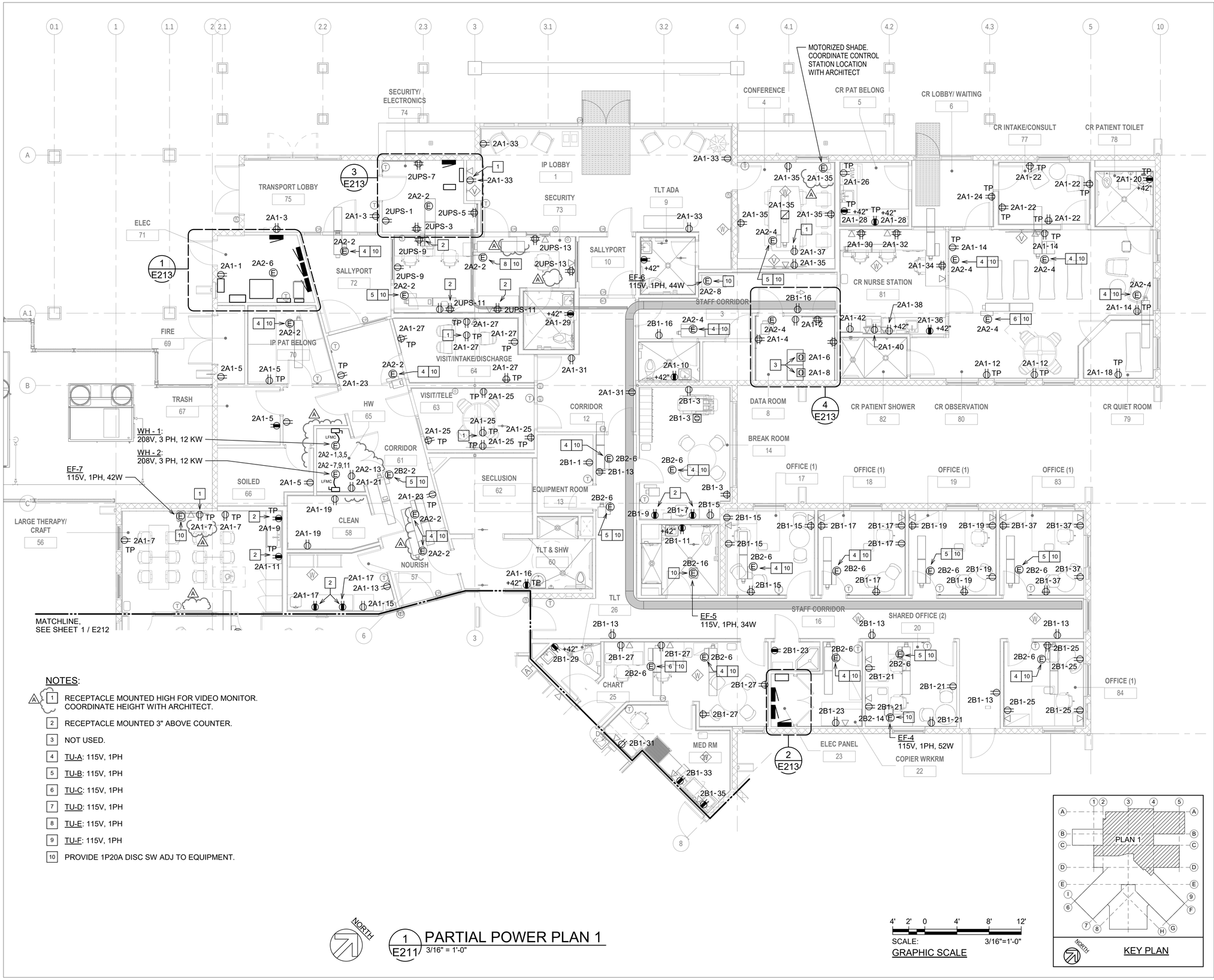
SHEET NAME

ELECTRICAL SITE PLAN

SCALE: AS NOTED

DRAWN BY	CHECKED BY
CAD	BO
PROJECT NO. 221093-01	SHEET NO. **E102**
SHEET ISSUE DATE 03/30/2026	

LAST SAVE: 09/14/25 @ 14:19:58 BY: BO PLOT SC 1=30.000000



NOTES:

1. RECEPTACLE MOUNTED HIGH FOR VIDEO MONITOR. COORDINATE HEIGHT WITH ARCHITECT.
2. RECEPTACLE MOUNTED 3" ABOVE COUNTER.
3. NOT USED.
4. TU-A: 115V, 1PH
5. TU-B: 115V, 1PH
6. TU-C: 115V, 1PH
7. TU-D: 115V, 1PH
8. TU-E: 115V, 1PH
9. TU-F: 115V, 1PH
10. PROVIDE 1P20A DISC SW ADJ TO EQUIPMENT.

NORTH

1 / E211 PARTIAL POWER PLAN 1
3/16" = 1'-0"

4' 2' 0 4' 8' 12'
SCALE: 3/16"=1'-0"
GRAPHIC SCALE

KEY PLAN

2153 NORTH KING STREET, SUITE 201
HONOLULU, HAWAII 96819
808.941.0577
--

REVISIONS

	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET
03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

BILLY J. ORNELLAS
LICENSED PROFESSIONAL ENGINEER
No. 11658-E
HAWAII, U.S.A.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

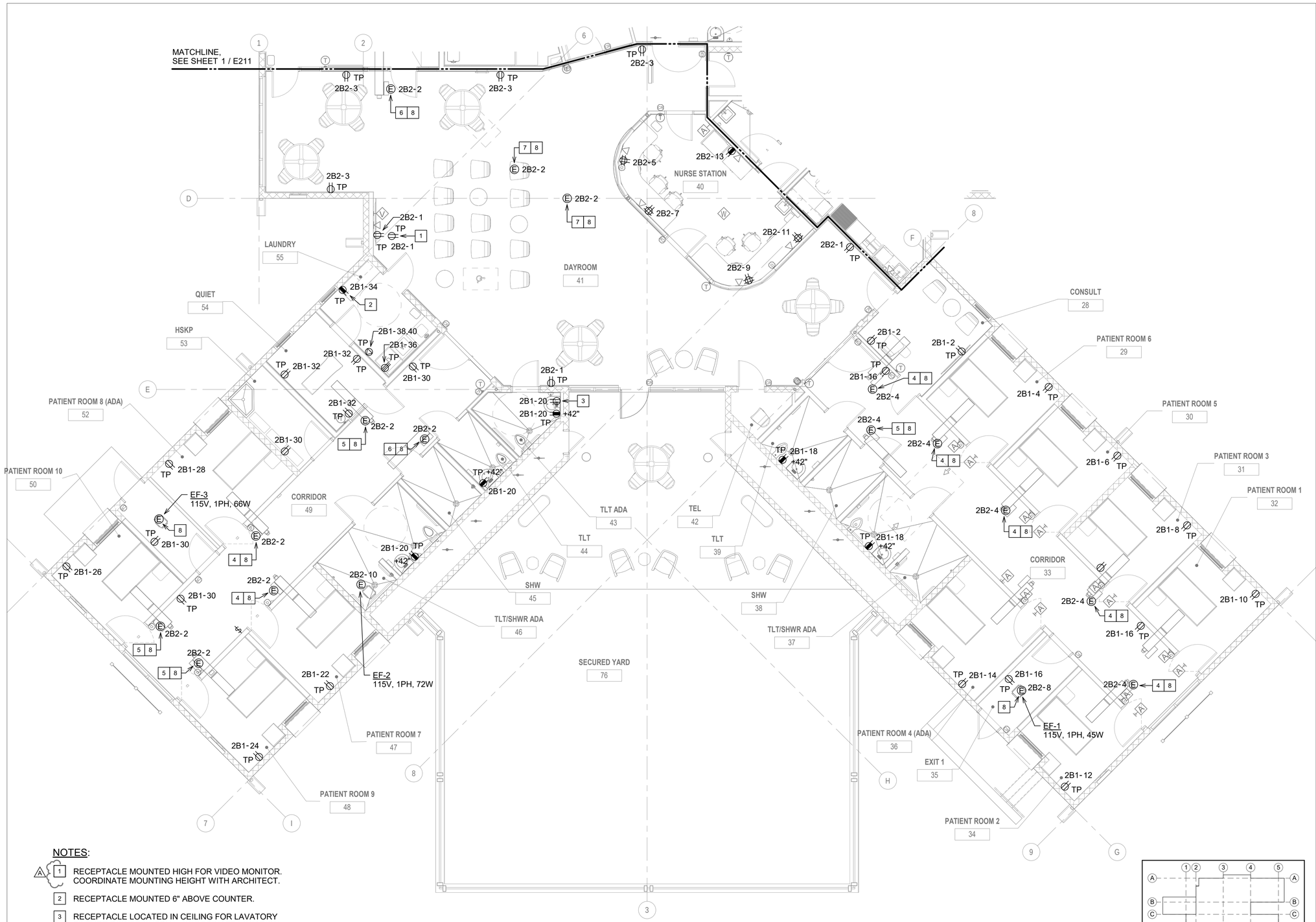
FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_Elec_Central2024.rvt

SHEET NAME
PARTIAL POWER PLAN 1

SCALE: AS NOTED

DRAWN BY	CHECKED BY
RVT	BO
PROJECT NO.	SHEET NO.
221093-01	E211
SHEET ISSUE DATE	
03/30/2026	

3/30/2026 10:12:11 AM



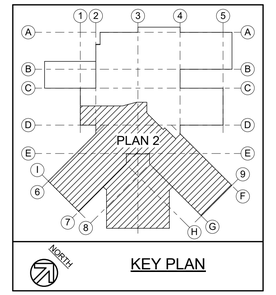
NOTES:

1. RECEPTACLE MOUNTED HIGH FOR VIDEO MONITOR. COORDINATE MOUNTING HEIGHT WITH ARCHITECT.
2. RECEPTACLE MOUNTED 6" ABOVE COUNTER.
3. RECEPTACLE LOCATED IN CEILING FOR LAVATORY FIXTURE POWER SUPPLY. COORDINATE LOCATION OF RECEPTACLE WITH CEILING ACCESS PANEL.
4. TU-A: 115V, 1PH
5. TU-B: 115V, 1PH
6. TU-C: 115V, 1PH
7. TU-D: 115V, 1PH
8. PROVIDE 1P20A DISC SW ADJ TO EQUIPMENT.

NORTH

1 / E212 PARTIAL POWER PLAN 2
3/16" = 1'-0"

4' 2' 0 4' 8' 12'
SCALE: 3/16"=1'-0"
GRAPHIC SCALE



KEY PLAN

2153 NORTH KING STREET, SUITE 201
HONOLULU, HAWAII 96819
808.941.0577
--

REVISIONS

	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET
03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

BILLY J. ORNELLAS
LICENSED PROFESSIONAL ENGINEER
No. 11658-E
HAWAII, U.S.A.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

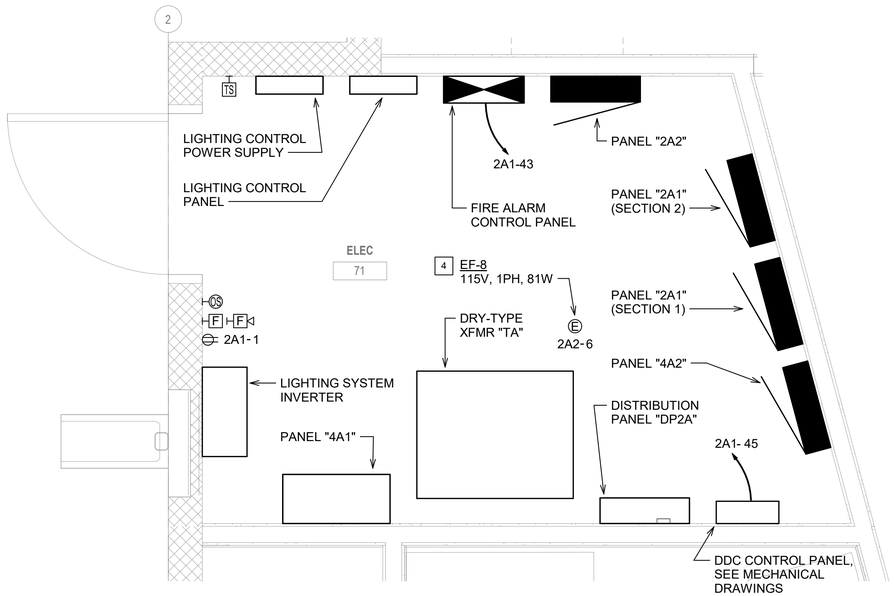
FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_Elec_Central2024.rvt

SHEET NAME
PARTIAL POWER PLAN 2

SCALE: AS NOTED

DRAWN BY	CHECKED BY
RVT	BO
PROJECT NO.	SHEET NO.
221093-01	E212
SHEET ISSUE DATE	
03/30/2026	

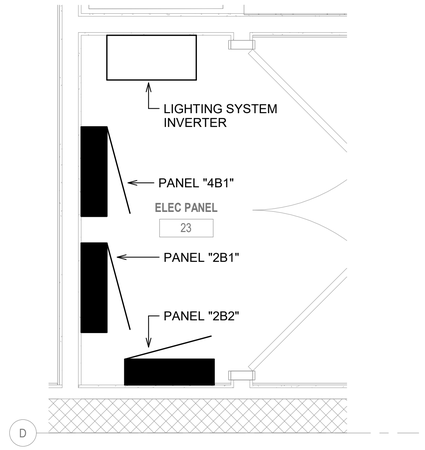
3/30/2026 10:12:29 AM



NORTH

1 E213 ENLARGED ELECTRICAL ROOM 71

3/4" = 1'-0"



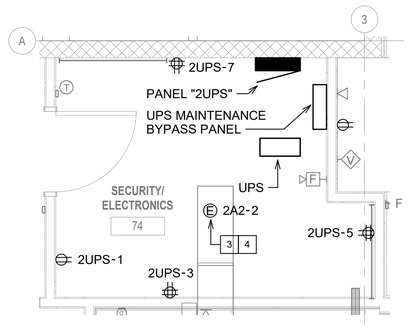
NORTH

2 E213 ENLARGED ELECTRICAL ROOM 24

3/4" = 1'-0"

NOTES:

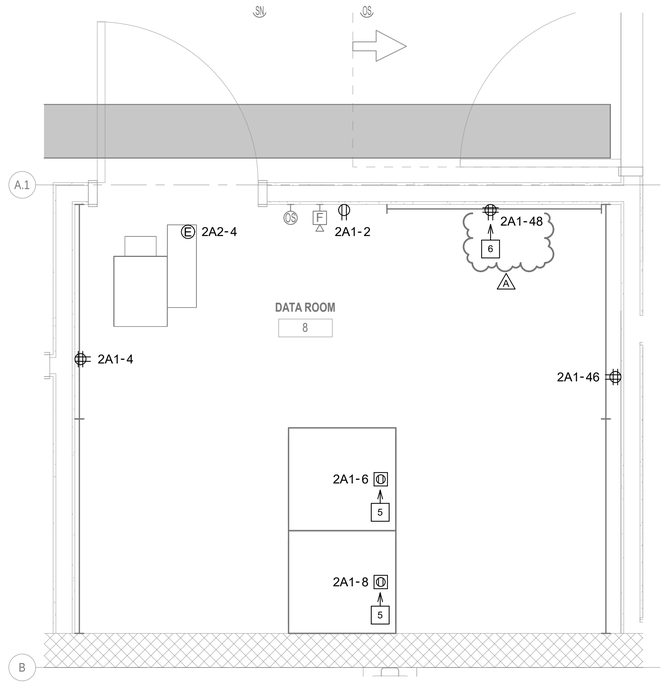
1. TU-A: 115V, 1PH
2. TU-D: 115V, 1PH
3. TU-G: 115V, 1PH
4. PROVIDE 1P20A DISC SW ADJ TO EQUIPMENT.
5. RECEPTACLE MOUNTED ON CEILING ABOVE TELECOM EQUIPMENT RACK.
6. PROVIDE WALL MTD UPS FOR PATIENT DOOR ALARM SYSTEM EQUIPMENT.



NORTH

3 E213 ENLARGED SECURITY / ELECTRONECS

3/8" = 1'-0"



NORTH

4 E213 ENLARGED DATA ROOM

3/4" = 1'-0"

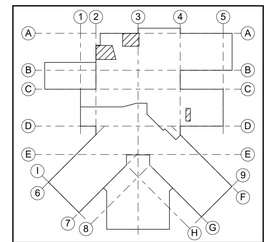
2' 1' 0 2' 4' 6'

SCALE: 3/8"=1'-0"

1' 6" 0 1' 2' 3'

SCALE: 3/4"=1'-0"

GRAPHIC SCALE



2153 NORTH KING STREET, SUITE 201
HONOLULU, HAWAII 96819
808.941.0577
--

REVISIONS

#	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

BILLY J. ORNELLAS LICENSED PROFESSIONAL ENGINEER No. 11658-E HAWAII, U.S.A.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_Elec_Central2024.rvt

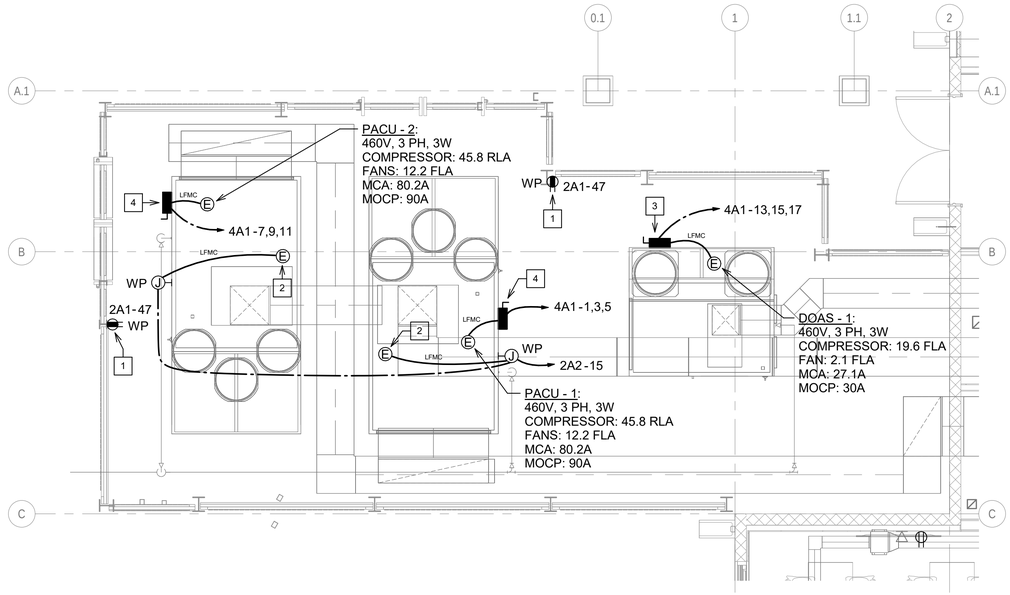
SHEET NAME

ENLARGED ELECTRICAL ROOM PLANS

SCALE: AS NOTED

DRAWN BY	CHECKED BY
RVT	BO
PROJECT NO.	SHEET NO.
221093-01	E213
SHEET ISSUE DATE	
03/30/2026	

3/30/2026 10:12:31 AM



NOTES:

1. RECEPTACLE MOUNTED TO FENCE POST.
2. MOTORIZED DAMPER:
   120V, 1 PH
3. 3P60A DISC SW, NEMA 4X 316 SS, MTD ADJ TO EQUIP.
4. 3P100A DISC SW, NEMA 4X 316 SS, MTD ADJ TO EQUIP.

NORTH

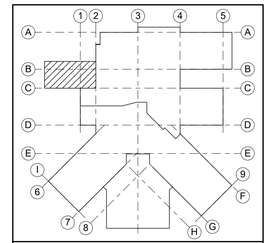
1 / E214 ELECTRICAL HVAC EQUIPMENT PLAN

1/4" = 1'-0"

4' 2' 0 4' 8' 12'

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

GRAPHIC SCALE



NORTH

KEY PLAN

2153 NORTH KING STREET, SUITE 201
HONOLULU, HAWAII 96819
808.941.0577
--

REVISIONS

#	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

BILLY J. ORNELLAS
LICENSED PROFESSIONAL ENGINEER
No. 11658-E
HAWAII, U.S.A.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_Elec_Central2024.rvt

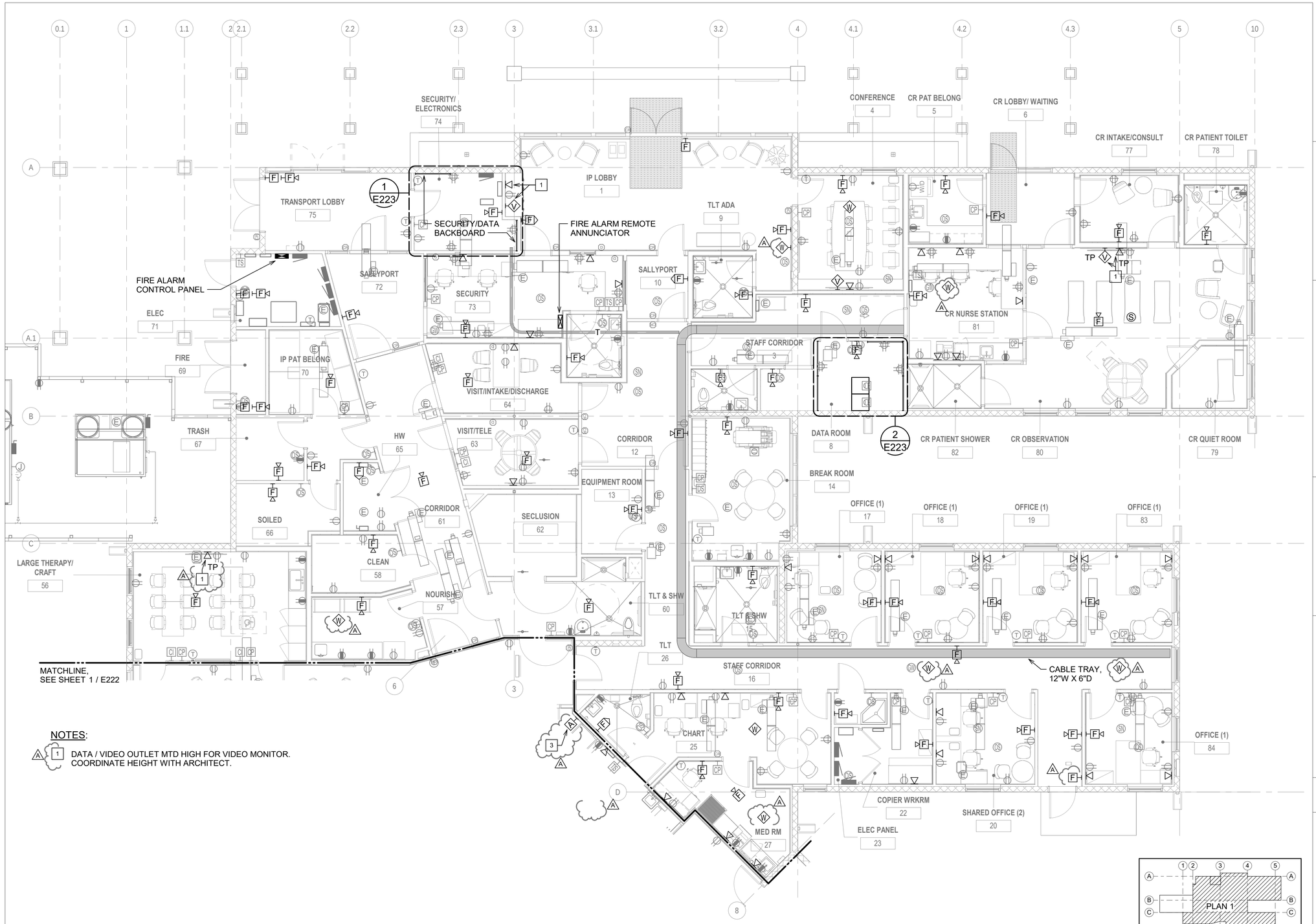
SHEET NAME

ELECTRICAL HVAC EQUIPMENT PLAN

SCALE: AS NOTED

DRAWN BY	CHECKED BY
RVT	BO
PROJECT NO.	SHEET NO.
221093-01	E214
SHEET ISSUE DATE	
03/30/2026	

3/30/2026 11:14:55 AM



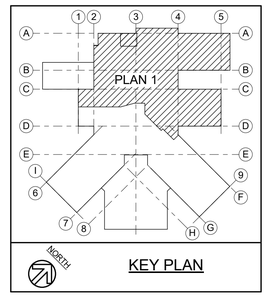
NOTES:

A 1 DATA / VIDEO OUTLET MTD HIGH FOR VIDEO MONITOR. COORDINATE HEIGHT WITH ARCHITECT.

NORTH

1 E221 PARTIAL SIGNAL PLAN 1
3/16" = 1'-0"

4' 2' 0 4' 8' 12'
SCALE: 3/16"=1'-0"
GRAPHIC SCALE



2153 NORTH KING STREET, SUITE 201
HONOLULU, HAWAII 96819
808.941.0577
--

REVISIONS

#	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET
03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

BILLY J. ORNELLAS
LICENSED PROFESSIONAL ENGINEER
No. 11658-E
HAWAII, U.S.A.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

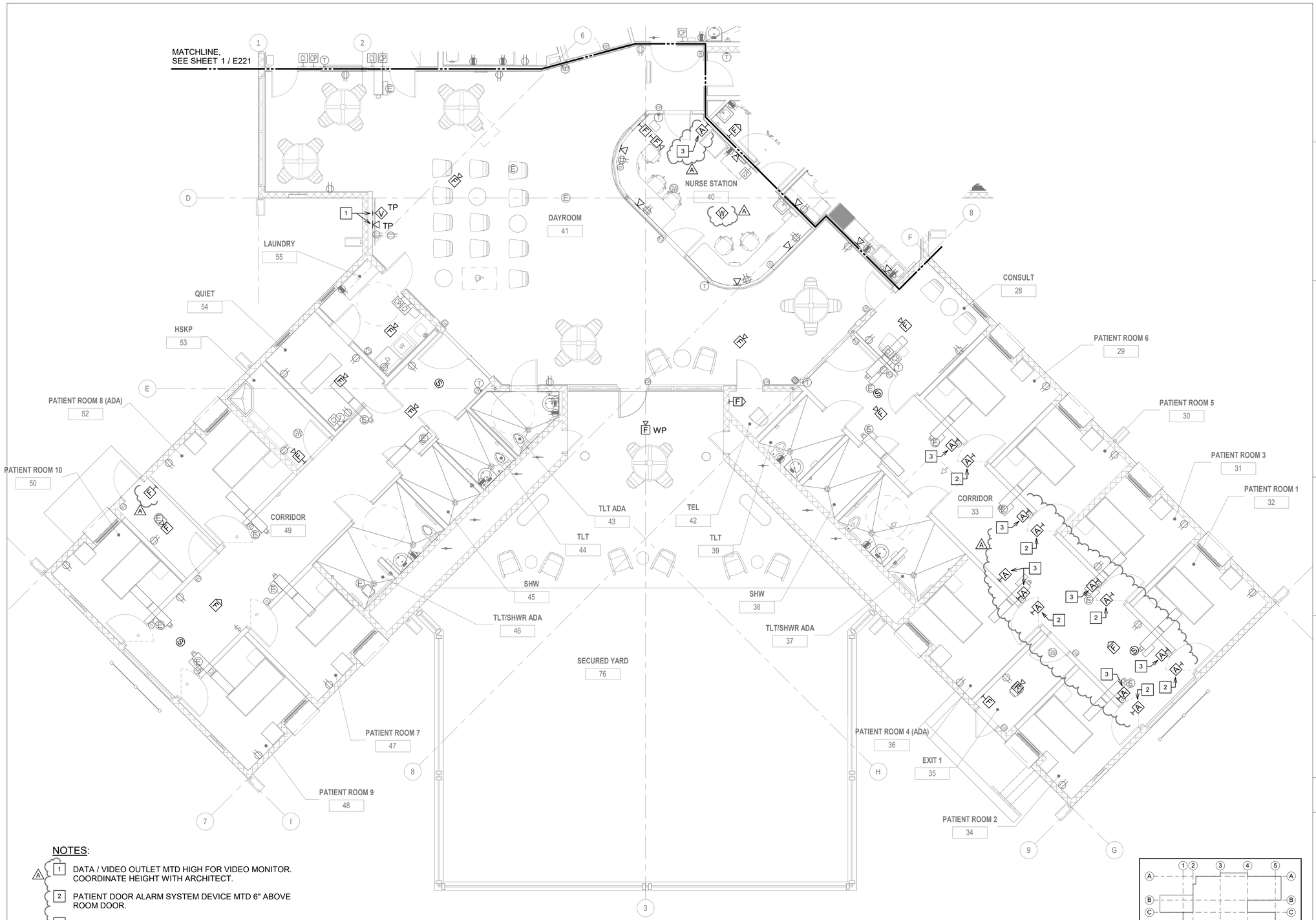
FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_Elec_Central2024.rvt

SHEET NAME
PARTIAL SIGNAL PLAN 1

SCALE: AS NOTED

DRAWN BY	CHECKED BY
RVT	BO
PROJECT NO.	SHEET NO.
221093-01	E221
SHEET ISSUE DATE	
03/30/2026	

3/28/2026 6:53:03 AM



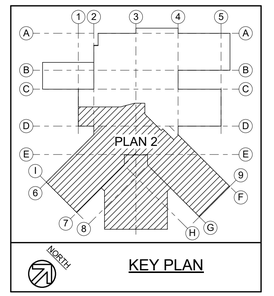
NOTES:

1. DATA / VIDEO OUTLET MTD HIGH FOR VIDEO MONITOR. COORDINATE HEIGHT WITH ARCHITECT.
2. PATIENT DOOR ALARM SYSTEM DEVICE MTD 6" ABOVE ROOM DOOR.
3. PATIENT DOOR ALARM SYSTEM DEVICE MTD +46" TO TOP OF DEVICE.

NORTH

1 / E222 PARTIAL SIGNAL PLAN 2
3/16" = 1'-0"

4' 2' 0 4' 8' 12'
SCALE: 3/16"=1'-0"
GRAPHIC SCALE



2153 NORTH KING STREET, SUITE 201
HONOLULU, HAWAII 96819
808.941.0577
--

REVISIONS

#	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET
03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

BILLY J. ORNELLAS
LICENSED PROFESSIONAL ENGINEER
No. 11658-E
HAWAII, U.S.A.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

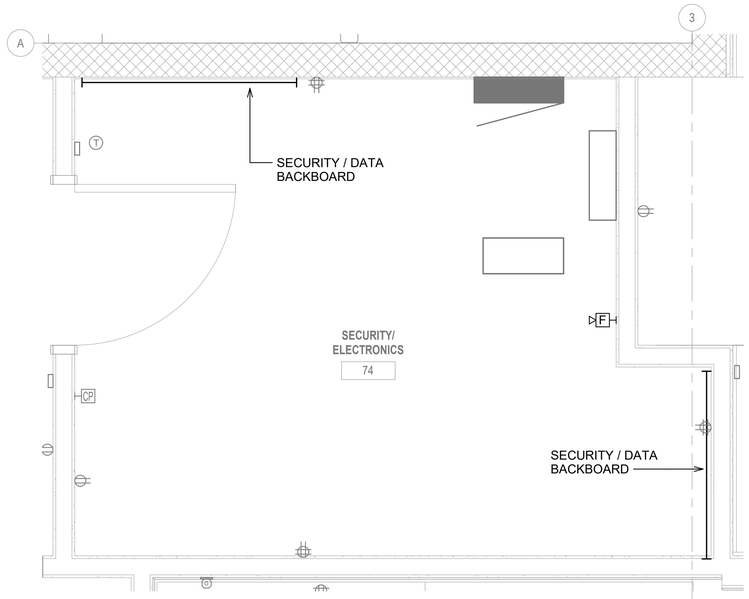
FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_Elec_Central2024.rvt

SHEET NAME
PARTIAL SIGNAL PLAN 2

SCALE: AS NOTED

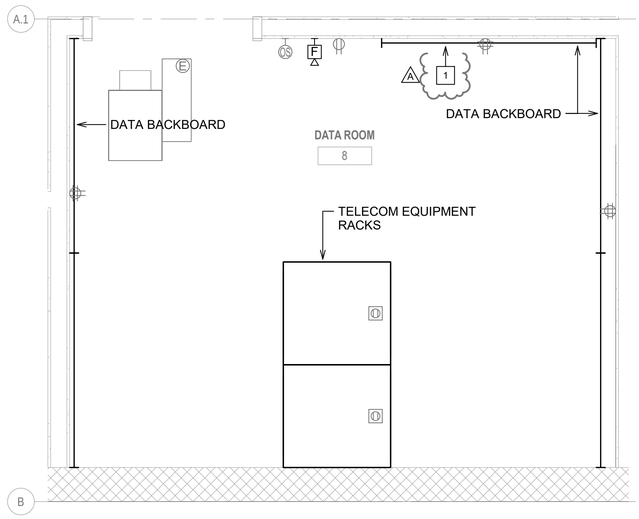
DRAWN BY	CHECKED BY
RVT	BO
PROJECT NO.	SHEET NO.
221093-01	E222
SHEET ISSUE DATE	
03/30/2026	

3/28/2026 6:53:20 AM



1 E223 ENLARGED SECURITY/SECURITY DATA SIGNAL ROOMS

3/4" = 1'-0"



2 E223 ENLARGED DATA ROOM 8

3/4" = 1'-0"

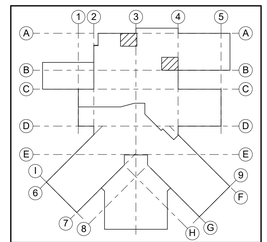
NOTES:

A 1 PROVIDE WALL MOUNTING BRACKETS FOR PATCH PANELS AND POE SWITCHES FOR PATIENT DOOR ALARM SYSTEM. PATCH PANELS AND LOW VOLTAGE WIRING TO BE PROVIDED BY CONTRACTOR PER SYSTEM VENDOR'S REQUIREMENTS. POE SWITCHES SHALL BE OFCI.

1' 6" 0 1' 2' 3'

SCALE: 3/4"=1'-0"

GRAPHIC SCALE



KEY PLAN

2153 NORTH KING STREET, SUITE 201
HONOLULU, HAWAII 96819
808.941.0577
--

REVISIONS

#	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

BILLY J. ORNELLAS
LICENSED PROFESSIONAL ENGINEER
No. 11658-E
HAWAII, U.S.A.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_Elec_Central2024.rvt

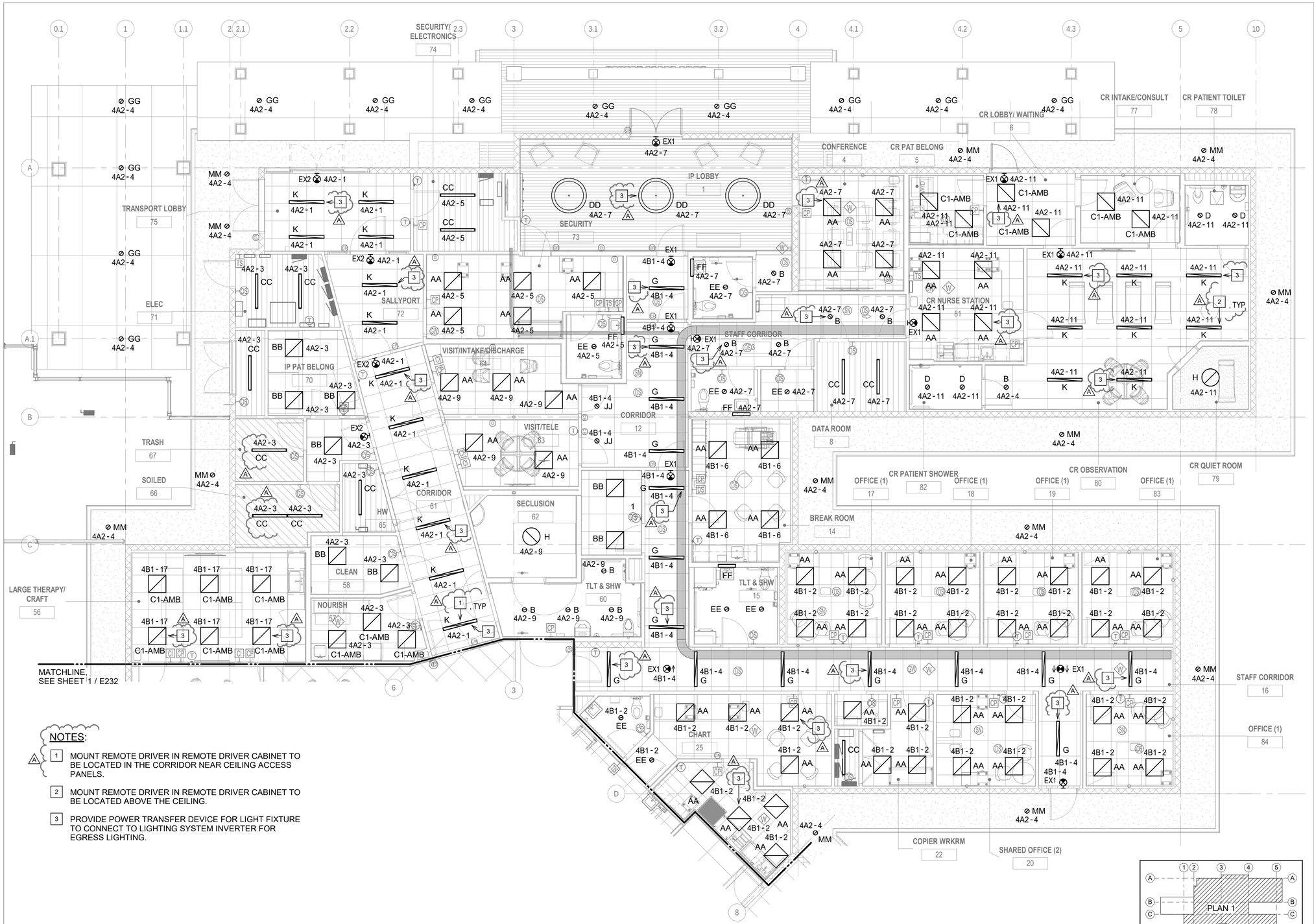
SHEET NAME

ENLARGED SECURITY/SECURITY DATA SIGNAL ROOMS

SCALE: AS NOTED

DRAWN BY	CHECKED BY
RVT	BO
PROJECT NO.	SHEET NO.
221093-01	E223
SHEET ISSUE DATE	
03/30/2026	

3/30/2026 10:13:10 AM



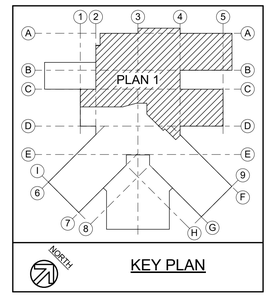
NOTES:

1. MOUNT REMOTE DRIVER IN REMOTE DRIVER CABINET TO BE LOCATED IN THE CORRIDOR NEAR CEILING ACCESS PANELS.
2. MOUNT REMOTE DRIVER IN REMOTE DRIVER CABINET TO BE LOCATED ABOVE THE CEILING.
3. PROVIDE POWER TRANSFER DEVICE FOR LIGHT FIXTURE TO CONNECT TO LIGHTING SYSTEM INVERTER FOR EGRESS LIGHTING.

NORTH

1 / E231 PARTIAL LIGHTING PLAN 1
3/16" = 1'-0"

SCALE: GRAPHIC LIGHTING
4' 2' 0 4' 8' 12'
3/16"=1'-0"



2153 NORTH KING STREET, SUITE 201
HONOLULU, HAWAII 96819
808.941.0577
--

REVISIONS

	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET
03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

BILLY J. ORNELLAS
LICENSED PROFESSIONAL ENGINEER
No. 11658-E
HAWAII, U.S.A.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

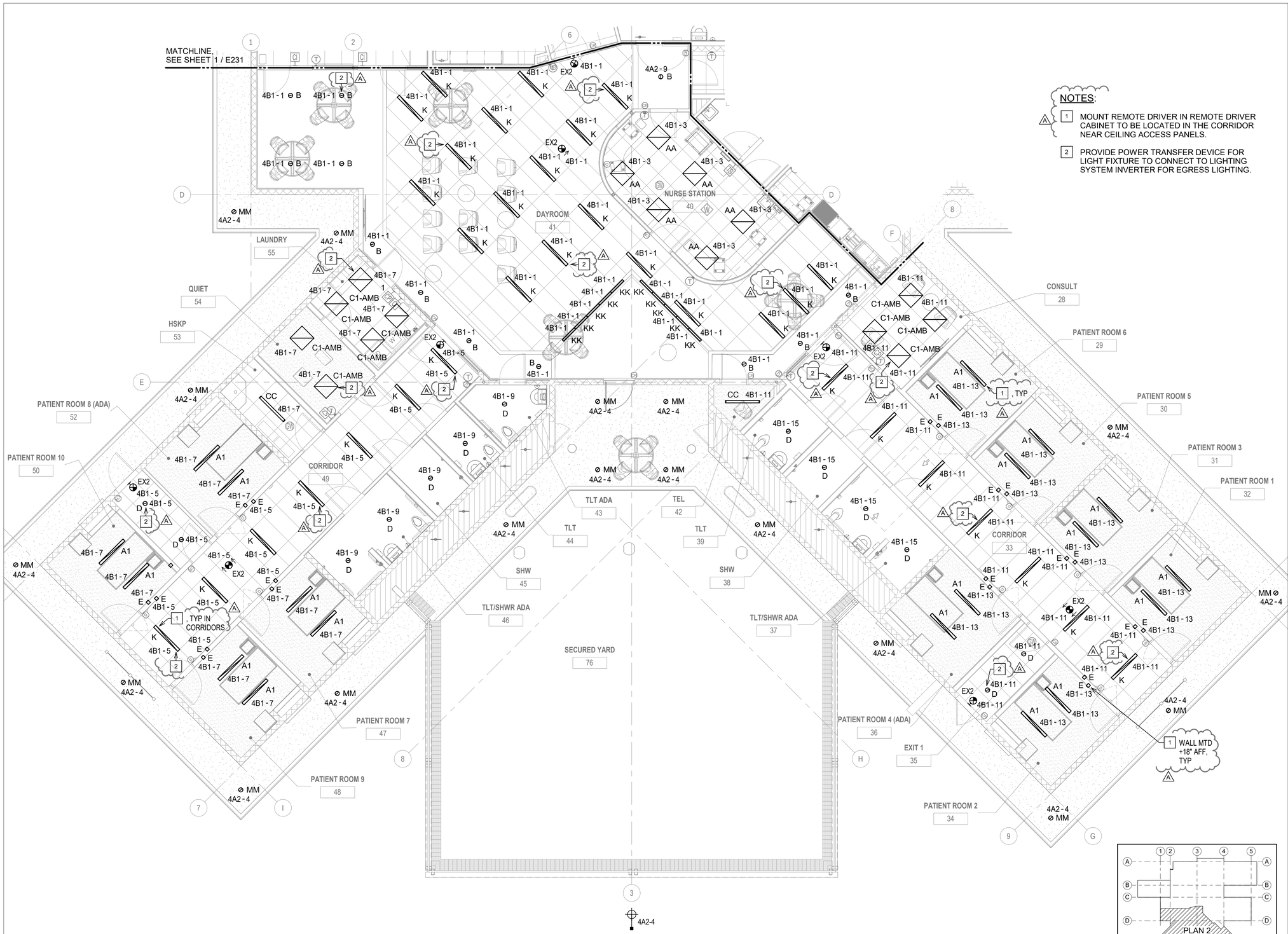
FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_Elec_Central2024.rvt

SHEET NAME
PARTIAL LIGHTING PLAN 1

SCALE: AS NOTED

DRAWN BY	CHECKED BY
RVT	BO
PROJECT NO.	SHEET NO.
221093-01	E231
SHEET ISSUE DATE	
03/30/2026	

3/30/2026 10:13:20 AM



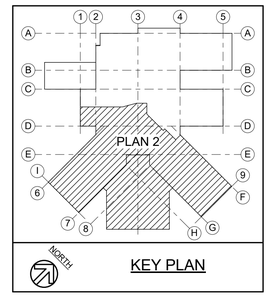
NOTES:

1. MOUNT REMOTE DRIVER IN REMOTE DRIVER CABINET TO BE LOCATED IN THE CORRIDOR NEAR CEILING ACCESS PANELS.
2. PROVIDE POWER TRANSFER DEVICE FOR LIGHT FIXTURE TO CONNECT TO LIGHTING SYSTEM INVERTER FOR EGRESS LIGHTING.

NORTH

1 E232 PARTIAL LIGHTING PLAN 2
3/16" = 1'-0"

SCALE: 3/16"=1'-0"
GRAPHIC SCALE



KEY PLAN

2153 NORTH KING STREET, SUITE 201
HONOLULU, HAWAII 96819
808.941.0577
--

REVISIONS

#	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET
03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

BILLY J. ORNELLAS
LICENSED PROFESSIONAL ENGINEER
No. 11658-E
HAWAII, U.S.A.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

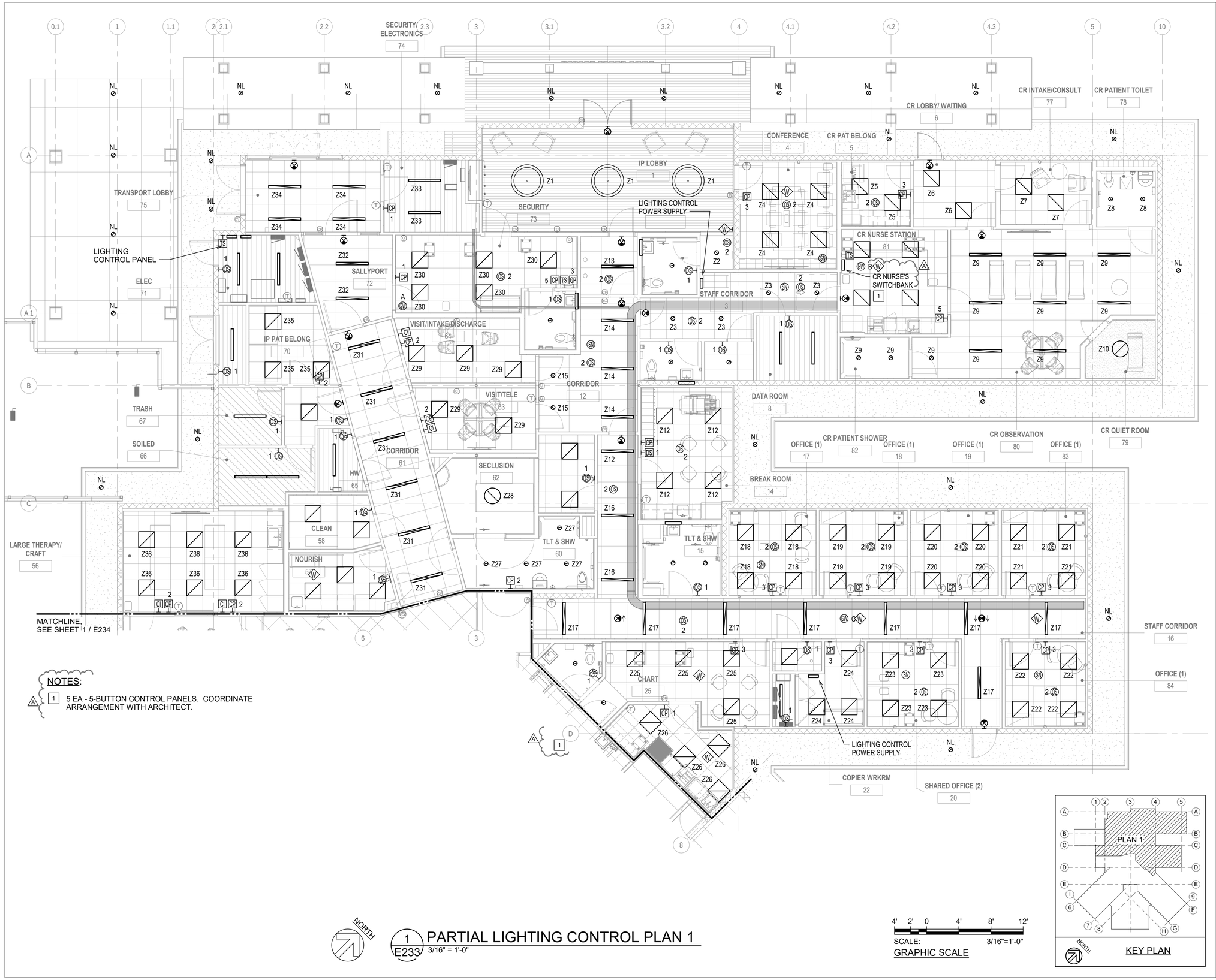
FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_Elec_Central2024.rvt

SHEET NAME
PARTIAL LIGHTING PLAN 2

SCALE: AS NOTED

DRAWN BY	CHECKED BY
RVT	BO
PROJECT NO.	SHEET NO.
221093-01	E232
SHEET ISSUE DATE	
03/30/2026	

3/30/2026 10:13:44 AM



NOTES:

A 1 5 EA - 5-BUTTON CONTROL PANELS. COORDINATE ARRANGEMENT WITH ARCHITECT.

NORTH

1 E233 PARTIAL LIGHTING CONTROL PLAN 1
3/16" = 1'-0"

4' 2' 0 4' 8' 12'
SCALE: 3/16"=1'-0"
GRAPHIC SCALE

2153 NORTH KING STREET, SUITE 201
HONOLULU, HAWAII 96819
808.941.0577
--

REVISIONS

	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET
03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

BILLY J. ORNELLAS
LICENSED PROFESSIONAL ENGINEER
No. 11658-E
HAWAII, U.S.A.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

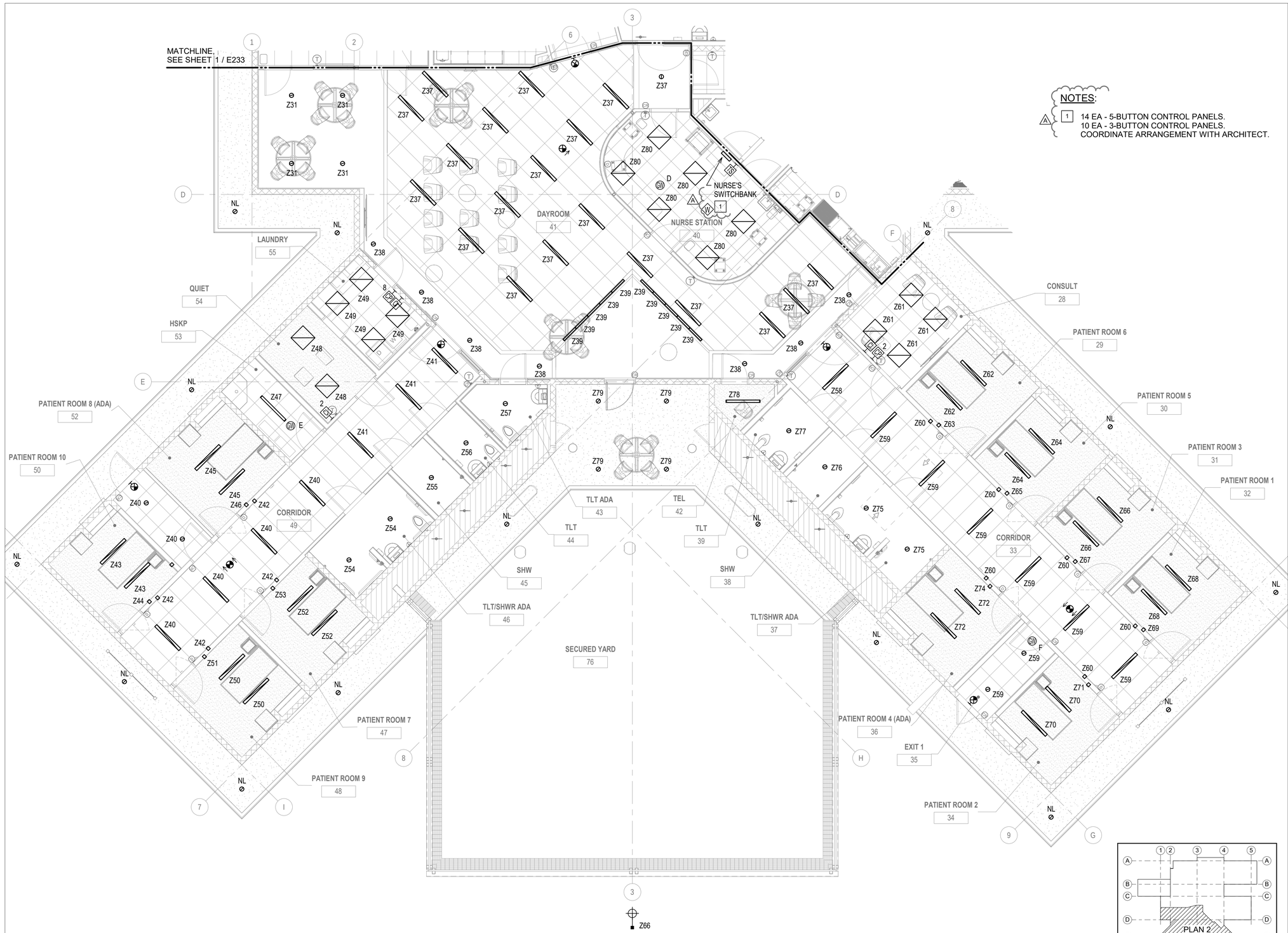
FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_Elec_Central2024.rvt

SHEET NAME
PARTIAL LIGHTING CONTROL PLAN 1

SCALE: AS NOTED

DRAWN BY	CHECKED BY
RVT	BO
PROJECT NO.	SHEET NO.
221093-01	E233
SHEET ISSUE DATE	
03/30/2026	

3/28/2026 6:54:07 AM



1 E234 PARTIAL LIGHTING CONTROL PLAN 2
3/16" = 1'-0"

SCALE: 3/16"=1'-0"
GRAPHIC SCALE

KEY PLAN

2153 NORTH KING STREET, SUITE 201
HONOLULU, HAWAII 96819
808.941.0577
--

REVISIONS

	Date	Description
A	03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET
03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

BILLY J. ORNELLAS LICENSED PROFESSIONAL ENGINEER No. 11658-E HAWAII, U.S.A.

License Expiration Date

PROJECT TITLE
SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

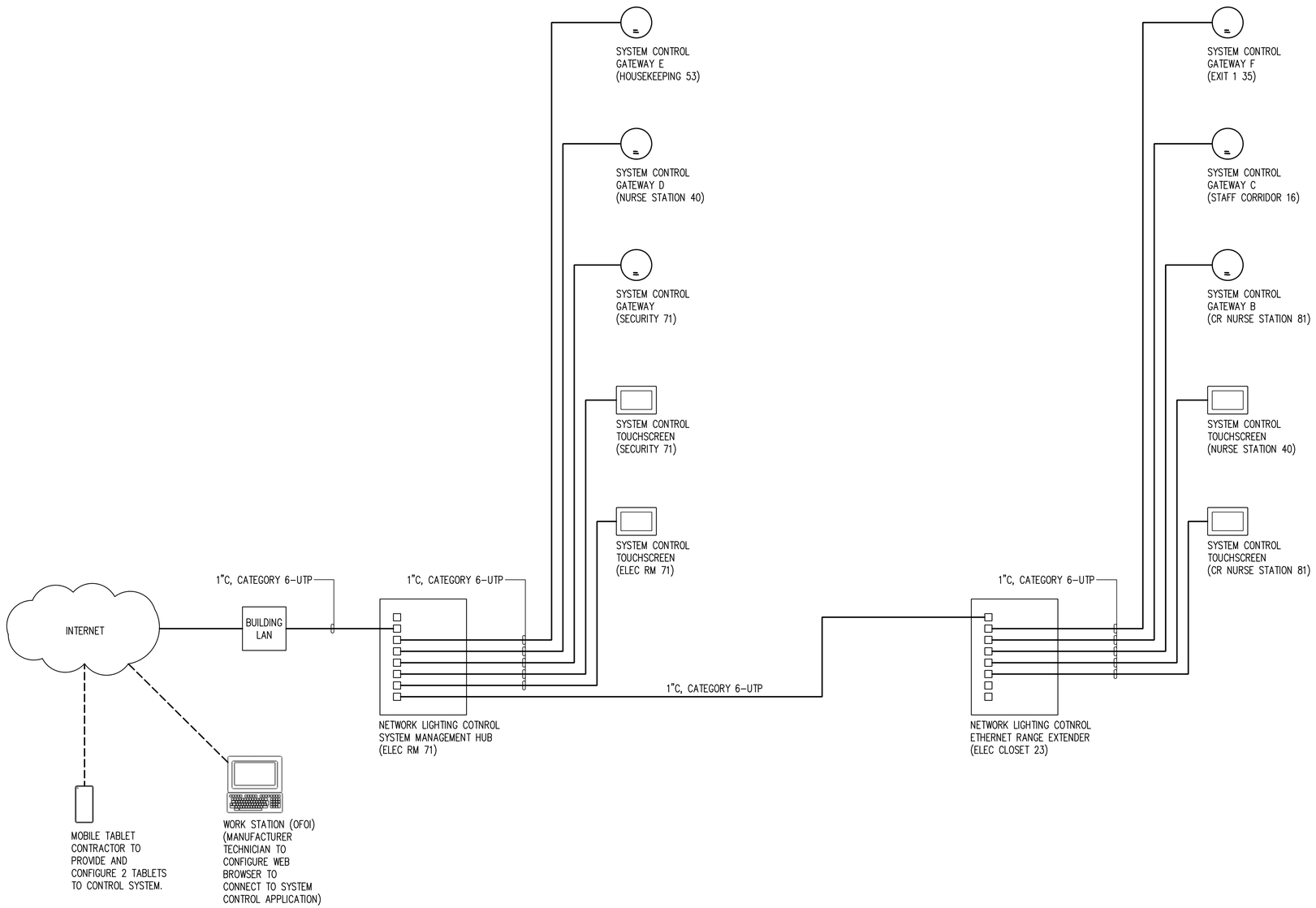
FILENAME
Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_Elec_Central2024.rvt

SHEET NAME
PARTIAL LIGHTING CONTROL PLAN 2

SCALE: AS NOTED

DRAWN BY	CHECKED BY
RVT	BO
PROJECT NO.	SHEET NO.
221093-01	E234
SHEET ISSUE DATE	
03/30/2026	

3/28/2026 6:54:31 AM



NETWORK LIGHTING CONTROL SYSTEM – ETHERNET WIRING DIAGRAM

2153 NORTH KING STREET, SUITE 201
HONOLULU, HAWAII 96819
808.941.0577
--

REVISIONS

1 03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

BILLY J. ORNELLAS
LICENSED PROFESSIONAL ENGINEER
No. 11658-E
HAWAII, U.S.A.

April 30, 2028
License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME

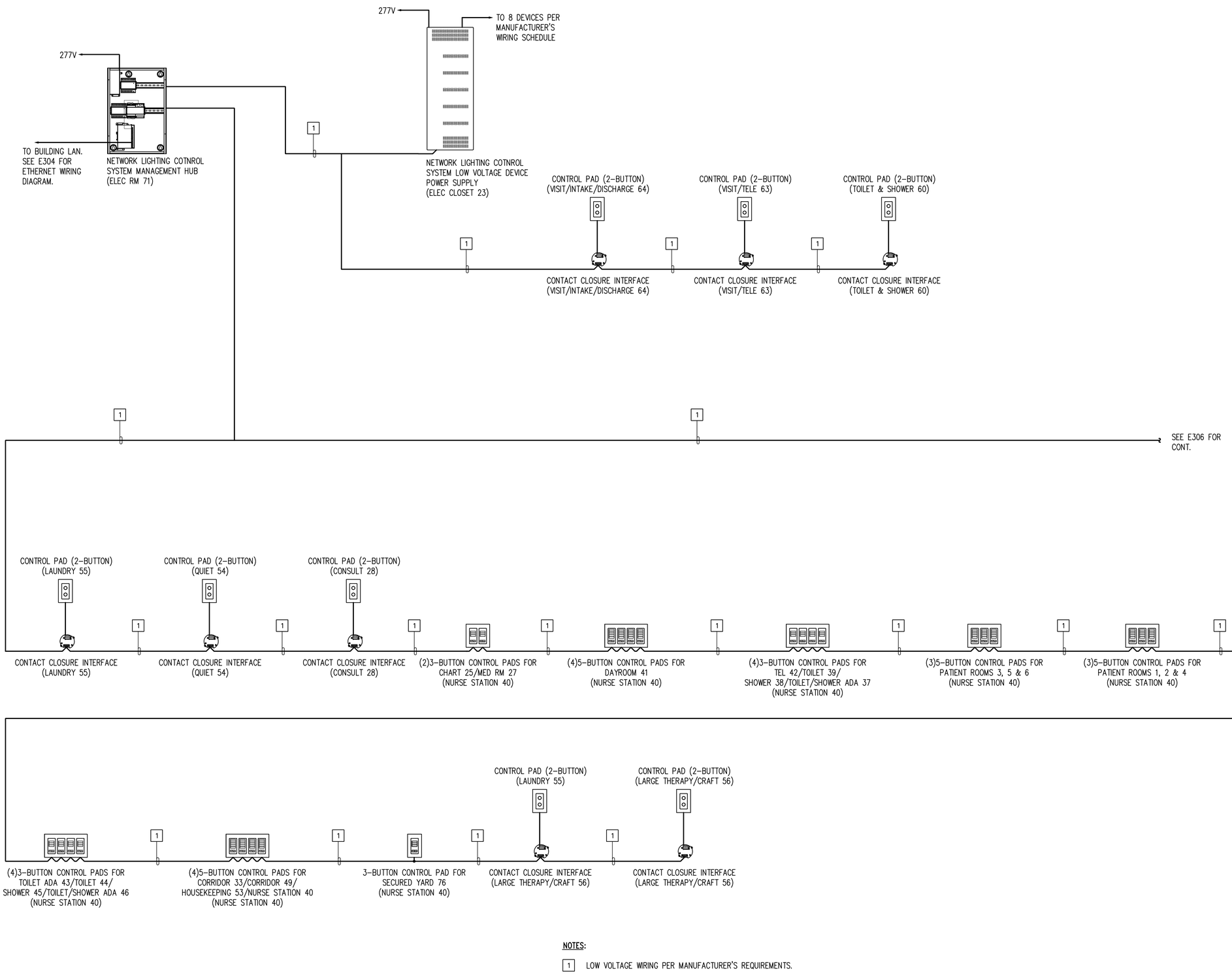
SHEET NAME

NETWORK LIGHTING CONTROL SYSTEM - ETHERNET WIRING DIAGRAM

SCALE: NONE

DRAWN BY	CHECKED BY
CAD	BO
PROJECT NO. 221093-01	SHEET NO. **E304**
SHEET ISSUE DATE 03/30/2026	

LAST SAVE: 03/01/26 @ 22:40:00 BY: BO PLOT SC: 1=1"



NOTES:

1 LOW VOLTAGE WIRING PER MANUFACTURER'S REQUIREMENTS.

NETWORK LIGHTING CONTROL SYSTEM – DEVICE WIRING DIAGRAM 1

2153 NORTH KING STREET, SUITE 201
HONOLULU, HAWAII 96819
808.941.0577
--

REVISIONS

1 03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

BILLY J. ORNELLAS
LICENSED PROFESSIONAL ENGINEER
No. 11658-E
HAWAII, U.S.A.

April 30, 2028
License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME

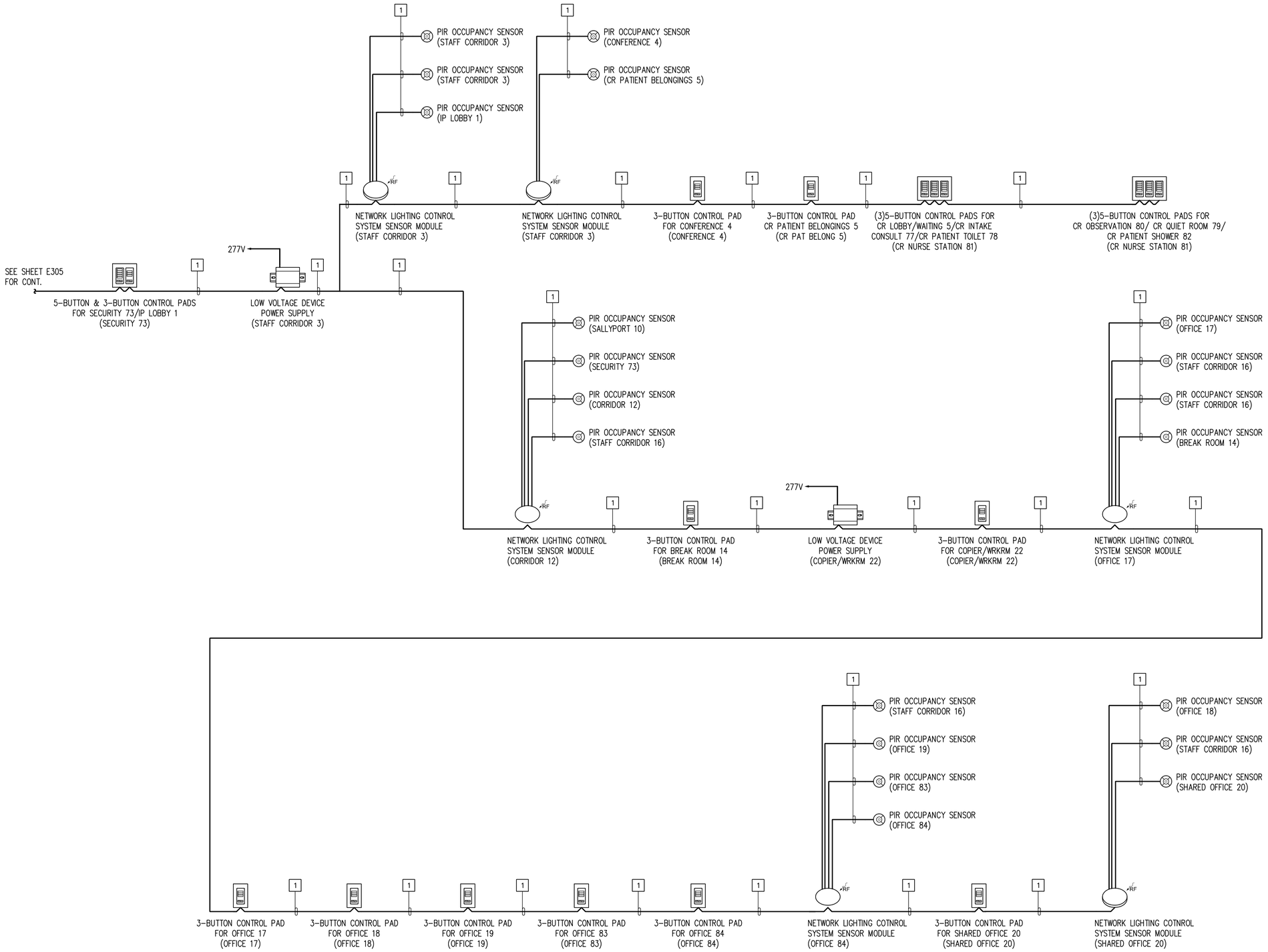
SHEET NAME

NETWORK LIGHTING CONTROL SYSTEM - DEVICE WIRING DIAGRAM 1

SCALE: NONE

DRAWN BY	CHECKED BY
CAD	BO
PROJECT NO.	SHEET NO.
221093-01	**E305**
SHEET ISSUE DATE	
03/30/2026	

LAST SAVE: 03/30/26 @ 22:40:00 BY: BO PLOT SC: 1"=1"



NOTES:

1 LOW VOLTAGE WIRING PER MANUFACTURER'S REQUIREMENTS.

NETWORK LIGHTING CONTROL SYSTEM – DEVICE WIRING DIAGRAM 2 (A)

2153 NORTH KING STREET, SUITE 201
HONOLULU, HAWAII 96819
808.941.0577
--

REVISIONS

(A) 03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

BILLY J. ORNELLAS
LICENSED PROFESSIONAL ENGINEER
No. 11658-E
HAWAII, U.S.A.

April 30, 2028
License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME

SHEET NAME

NETWORK LIGHTING CONTROL SYSTEM - DEVICE WIRING DIAGRAM 2

SCALE: NONE

DRAWN BY	CHECKED BY
CAD	BO
PROJECT NO.	SHEET NO.
221093-01	**E306**
SHEET ISSUE DATE	
03/30/2026	

LAST SAVE: 03/31/26 @ 22:40:00 BY: BO PLOT SC 1"=1"

LIGHT FIXTURE SCHEDULE - PATIENT AREAS

TYPE	MOUNTING	DESCRIPTION	LIGHT ENGINE/DRIVER	LED DRIVER	VOLTAGE	POWER (W)	MANUFACTURER OR APPROVED SUBSTITUTE	REMARKS	LOCATION
A	CEILING RECESSED	2'W X 2'L X 2-7/8"D, BEHAVIORAL HEALTH, OVERBED USE LUMINAIRE, 14-GA ALUMINUM HOUSING AND BEZEL, 3/16" THICK HIGH IMPACT CLEAR POLYCARBOATE LENS WITH ANTI-SCRATCH COATING AND TAMPER-RESISTANT FASTENERS, WHITE ANTIMICROBIAL POWDERCOAT PAINT FINISH, HI/LOW OPERATION, L85 RATED FOR 60,000 HOURS. LUTRON ATHENA SENSOR.	INTEGRATED LED, 3500K, 3600 LUMENS, 80 CRI	REMOTE, 2-CIRCUIT (AMBIENT/ READING)	120-277V	52W	VISA LIGHTING CM1884-W-L35K(H)-MVOLT-BHGRID-AWN		NURSES STATION, CHART OFFICE
A1	CEILING RECESSED	4-5/8"W X 48-1/8"L X 4-1/8"D BEHAVIORAL HEALTH OVERBED FIXTURE, HIGH-ABUSE LENS AND FRAM WITH HIGH-IMPACT CLEAR POLYCARBONATE SEUCRED WITH TAMPER RESISTANT FASTENERS, SEALED/GASKETED LENS, LEFT AND RIGHT MODELS WIRED INDEPENDENTLY, LIGATURE RESISTANT INSTALLATION IN GYPBOARD CEILINGS, IP65. COORDINATE FRAME COLOR WITH ARCHITECT.	INTEGRATED LED, 3500K, 9100 LUMENS (COMBINED AMBIENT/EXAM), 80 CRI	0-10 VOLT	277V	118W	VISA LIGHTING CM2062-T-TUN2-277-AWN-AWN		PATIENT ROOMS
B	CEILING RECESSED	4" DIAMETER ROUND RECESSED DOWNLIGHT, ACRYLIC ENAMELED ALUMINUM HOUSING, LIGATURE-RESISTANT SMOOTH TAPERED SELF-FLANGED CAST ALUMINUM TRIM, DIFFUSE ACRYLIC LENS ABOVE .220" CLEAR POLYCARBONATE, TAMPERPROOF HARDWARE, L70 RATED FOR 60,000 HOURS. FIXTURE TO BE PROVIDED WITH LUTRON AWN CONTROL NODE.	INTEGRATED LED, 3500K, 2500 LUMENS, 80 CRI	0-10 VOLT	120-277V	27W	KIRLIN LRC-04VND-2500L-RWF-MFL-35K-D2-I66-AWN		DAYROOM
C-AMB	CEILING RECESSED	25-1/8""W X 25-1/8""H X 3-1/2"D BEHAVIORAL HEALTH, 1/8" THICK HIGH-IMPACT CLEAR POLYCARBONATE LENS, HIGH TRANSMITTANCE MATTE WHITE ACRYLIC EDGE DIFFUSER, DECORATIVE CENTER PANEL, LIGATURE RESISTANT INSTALLATION IN GYPBOARD, CEILINGS, DAMP LOCAATION LISTED, WHITE POWDER COAT PAINT FINISH. LUTRON	INTEGRATED LED, 3500K, 2200 LUMENS, 80 CRI	0-10 VOLT	120-277V	29W	VISA LIGHTING CM1922-L35K(L)-MVOLT-90CRI-VEN-AWN		CONSULT/LARGE THERAPY/NOURISH
C-EXAM	CEILING RECESSED	25-1/8""W X 25-1/8""H X 3-1/2"D BEHAVIORAL HEALTH, 1/8" THICK HIGH-IMPACT CLEAR POLYCARBONATE LENS, HIGH TRANSMITTANCE MATTE WHITE ACRYLIC EDGE DIFFUSER, DECORATIVE CENTER PANEL, LIGATURE RESISTANT INSTALLATION IN GYPBOARD, CEILINGS, DAMP LOCAATION LISTED, WHITE POWDER COAT PAINT FINISH. LUTRON	INTEGRATED LED, 3500K, 5500 LUMENS , 80 CRI	0-10 VOLT	120-277V	97W	VISA LIGHTING CM1922-L35K(H)-MVOLT-90CRI-VEN-AWN		MED ROOM
D	CEILING RECESSED	6" DIAMETER VANDAL RESISTANT ANTI-LIGATURE RECESSED DOWNLIGHT, ACRYLIC ENAMELED ALUMINUM HOUSING, ALUMINUM HEATSINK, LIGATURE RESISTANT WHITE SELF-FLANGED ALUMINUM TRIM W/ANTI-MICROBIAL WHITE FINISH, WET LOCATION LISTED, L70 RATED FOR 90,000 HOURS. LUTRON ATHENA SENSOR.	INTEGRATED LED, 3500K, 1500 LUMENS, 80 CRI	0-10 VOLT	277V	18W	KIRLIN MRV-0658-1500L-277-35K-WFL-D1-AWN-I66		PATIENT TOILET/SHOWER, EXTERIOR
E	WALL RECESSED	3.51"W X 6.68"H X 0.77"D, STEPLIGHT/NIGHTLIGHT, 16GA GALVANIZED HOUSING, IMPACT AND VANDAL RESISTANT, CAST ALUMINUM FACEPLATE, 1/8" CLEAR POLYCARBONATE LENS W/ANTI-PIXELATION FILM, TAMPER-RESISTANT SCREWS, IP66 RATED, WHITE FINISH. LUTRON ATHENA SENSOR.	INTEGRATED LED, 590nm LED,	FIXED	120-277V	11W	KIRLIN MTT-03NLT-HO-RCT-590-26-REM / REM-MTCAB-0060N-X-D1-AWN		PATIENT ROOMS / PATIENT CORRIDORS
F		NOT USED							
G	CEILING RECESSED	2-7/8"W X 4"D X 48"L, RECESSED LINEAR FIXTURE, 6063-T5 ALUMINUM BODY, DIE-FORMED 20-GAUGE COLD-ROLLED STEEL REFLECTOR WITH HIGH REFLECTANCE POWER CAOT PAINT, FLUSH FROST WHITE SNAP-IN DFFUSER, RECESSED T-BAR MOUNT, DAMP LOCATION LISTED. COORDINATE FINISH COLOR WITH ARCHITECT. LUTRON ATHENA	INTEGRATED LED, 3500K, 3200 LUMENS, 80 CRI	0-10 VOLT	277V	37W	FINELITE HP2-R-D-4FT-V-835-F-277-SC-FC-10%-FE-SW-ARF-W		PUBLIC CORRIDORS
H	CEILING RECESSED	23" DIAMETER X 6-5/8"D RECESSED BEHAVIORAL DOWNLIGHT, RECYLABLE ALUMINUM OUSING, HIGH-ABUSE 3/16" THICK CLEAR POLYCARBONATE LENS, LIGATURE RESISTANT INSTALLATION IN GYPBOARD CEILINGS, TWO-CHANNEL TUNEABLE CONTROL FOR CCT AND DIMMING. LUTRON ATHENA SENSOR.	INTEGRATED LED, TUNEABLE CCT, 4500 LUMENS, 90 CRI	0-10 VOLT	120-277V	63W	VISA LIGHTING CM1988-T-TUN2(H)-MVOLT		SECLUSION
J		NOT USED							
K	CEILING RECESSED	3-1/2"W X 47-7/8"L X 3-3/4"D LINEAR SLOT FIXTURE, EXTGRUDED ALUMINUM HOUSING, IMPACT-RESISTANT EXTRUDED LENS WITH INTEGRAL SNAP AND DIFFUSION MOUNTING , 1/2" FLANGED TRIM. CORRDINATE FINISH COLOR WITH ARCHITECT. LUTRON ATHENA SENSOR.	INTEGRATED LED, 3500K, 750 LUMENS, 90 CRI	0-10 VOLT	120-277V	32W	KIRLIN PRL-02SWM-4FT-1000L-DD-6527-REM-I66 / REM-DWCAB-1400B-2-TW8-99-AWN-DBI		CR OBSERVATION / DAYROOM / PATIENT CORRIDORS
EX2	WALL OR CEILING MOUNT	EXIT SIGN LIGHT FIXTURE, ANTI-LIGATURE, DIE-CAST ALUMINUM HOUSING, REMVABLE FACE WITH FIELD SELECTABLE CHEVRON DIRECTIONAL ARROWS, INJECTION MOLEDED REFRACTIVE LIGHT GUIDE. VERIFY BODY COLOR WITH ARCHITECT.	INTEGRATED GREEN LED		120-277V	2W	EVENLITE RBH-AC-G		PATIENT AREA EXITS

COUNTY OF KAUAI
CHAPTER 12, KAUA'I COUNTY BUILDING CODE
KAUAI COUNTY CODE 1987, AS AMENDED
ARTICLE 6–ENERGY CONSERVATION CODE
To the best of my knowledge, this project's design substantially conforms to:

Section 12–6.3 Adoption of the International Energy Conservation Code (IECC)
Section 12–6.4 Local Amendments to the IECC
For **electrical and lighting systems** (Section C405 and C408).

COMPLIANCE METHOD
2018 IECC as amended. Mandatory & Prescriptive
2018 IECC as amended. Mandatory & Total Building Performance
ASHRAE Standard 90.1 Mandatory & Prescriptive
ASHRAE Standard 90.1 Mandatory & Energy Cost Budget

INFORMATION IN CONSTRUCTION DOCUMENTS	**YES**	**N/A**
Interior Lighting		
Occupant sensor controls. C405.2.1	☒	☐
Time switch controls. C405.2.2	☒	☐
Daylight responsive controls. C405.2.3	☒	☐
Daylight zones on plans. C405.2.3.2 & C405.2.3.3	☒	☐
Specific application controls. C405.2.4	☒	☐
Interior lighting fixture schedule		
Input power for interior lighting fixtures	☒	☐
Interior lighting fixture locations	☒	☐
Lighting control functional performance testing requirement. C408.3	☒	☐
Exterior lighting		
Exterior lighting controls, C405.2.6	☒	☐
Exterior lighting fixture schedule	☒	☐
Input power for exterior lighting fixtures	☒	☐
Exterior lighting fixture locations	☒	☐
Electrical		
Electrical transformer efficiency. C405.7	☒	☐
Tenant submetering. C405.10	☐	☒

FUNCTIONAL TESTING
C408.3.1 Functional testing Prior to passing final inspection, the registered design professional shall provide evidence that the lighting control systems have been tested to ensure that control hardware and software are calibrated, adjusted, programmed and in proper working condition in accordance with the construction documents and manufacturer's instructions. Functional testing shall be in accordance with Sections C408.3.1.1 and C408.3.1.2 for the applicable control type.

NOTES

SIGNATURE:

DATE: 04/03/26

NAME: BILLY J. ORNELLAS

TITLE: PRINCIPAL

LICENSE NO.: 11658–E

BUILDING ENERGY CONSERVATION CODE

EXTERIOR LIGHTING POWER ALLOWANCE 1,994W INSTALLED 2,910W
INTERIOR LIGHTING POWER ALLOWANCE 7,433W INSTALLED 8,302W
CALCULATIONS: SEPARATE X ON DRAWINGS ____
(CHECK ONE)

2153 NORTH KING STREET, SUITE 201
HONOLULU, HAWAII 96819
808.941.0577
--

REVISIONS

△ 03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET
03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

BILLY J. ORNELLAS LICENSED PROFESSIONAL ENGINEER No. 11658-E HAWAII, U.S.A.

April 30, 2028
License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME

SHEET NAME
LIGHT FIXTURE SCHEDULE

SCALE: NONE

DRAWN BY	CHECKED BY
CAD	BO
PROJECT NO. 221093-01	SHEET NO. E401
SHEET ISSUE DATE 03/30/2026	

LAST SAVE: 11/15/21 @ 08:41:50 BY: BO PLOT SC 1"=1'

PANEL4A1 — 3P400A MAIN CIRCUIT BREAKER, 480Y/277V, 3 PHASE, 4 WIRE, 25,000 A.I.C. MINIMUM INDUSTRIAL-BOLTED TYPE, SURFACE MOUNTED

CKT. NO.	USE: L-LTS, R-RECEP, PFB-PROVISION FUTURE BKR., S-SPARE, F-FAN, W-WARMER	BREAKER POLE	BREAKER AMPS	WIRE SIZE	KVA ON BUSSES PHASE A	PHASE B	PHASE C	WIRE SIZE	BREAKER POLE	BREAKER AMPS	USE: L-LTS, R-RECEP, PFB-PROVISION FUTURE BKR., S-SPARE, F-FAN, W-WARMER	CKT. NO.
1	PACU-1	3	90	4	18.6	18.6		4/0	3	225	PANEL DP2A XFMR	2
3	-	-	-	4			18.6	4/0	-	-	-	4
5	-	-	-	4			18.6	4/0	-	-	-	6
7	PACU-2	3	90	4	18.6	4.3		2	3	100	PANEL 4A2	8
9	-	-	-	4		18.6	4.4	2	-	-	-	10
11	-	-	-	4			18.6	2	-	-	-	12
13	DOAS-1	3	30	10	5.8	6.0		2	3	100	PANEL 4B1	14
15	-	-	-	10		5.8	4.1	2	-	-	-	16
17	-	-	-	10			5.8	2	-	-	-	18
19		1	20	12				12	1	20		20
21		1	20	12				12	1	20		22
23		1	20	12				12	1	20		24
25		1	20	12				12	1	20		26
27		1	20	12				12	1	20		28
29		1	20	12				12	1	20		30
31		1	20	12				12	1	20		32
33		1	20	12				12	1	20		34
35		1	20	12				12	1	20		36
37		1	20	12					1	20		38
39		1	20	12				12	1	20		40
41		1	20	12				12	1	20		42
	CONNECTED LOAD PER PHASE				103.3	101.5	99.5					

TOTAL CONNECTED LOAD (KVA) 304.3

(*) DENOTES CIRCUIT BREAKER TO REMAIN IN THE "OFF" POSITION.

PANEL 4B1 — 3P100A MAIN CIRCUIT BREAKER, 480Y/277V, 3 PHASE, 4 WIRE, 14,000 A.I.C. MINIMUM INDUSTRIAL-BOLTED TYPE, SURFACE MOUNTED

CKT. NO.	USE: L-LTS, R-RECEP, PFB-PROVISION FUTURE BKR., S-SPARE, F-FAN, W-WARMER	BREAKER POLE	BREAKER AMPS	WIRE SIZE	KVA ON BUSSES PHASE A	PHASE B	PHASE C	WIRE SIZE	BREAKER POLE	BREAKER AMPS	USE: L-LTS, R-RECEP, PFB-PROVISION FUTURE BKR., S-SPARE, F-FAN, W-WARMER	CKT. NO.
1	L-DAYROOM	1	20	12	1.0	1.2			1	20	L-OFFICES	2
3	L-NURSES STATION	1	20	12		0.5	0.6		1	20	L-OFFICE CORRIDOR	4
5	L-PATIENT CORRIDOR (WEST)	1	20	12			0.6		1	20	L-BREAK/EQUIP ROOMS	6
7	L-PATIENT ROOMS (WEST)	1	20	12	1.1				1		PFB	8
9	L-PATIENT TOILETS (WEST)	1	20	12		0.5			1		PFB	10
11	L-PATIENT CORRIDOR (EAST)	1	20	12			0.6		1		PFB	12
13	L-PATIENT ROOMS (EAST)	1	20	12	1.1				1		PFB	14
15	L-PATIENT TOILETS (EAST)	1	20	12		0.5			1		PFB	16
17	L-LARGE THERAPY/CRAFT	1	20	12			0.2		1		PFB	18
19	S (*)	1	20		1.0				1		PFB	20
21	S (*)	1	20			1.0			1		PFB	22
23	S (*)	1	20				1.0		1		PFB	24
25	S (*)	1	20		1.0				1		PFB	26
27	S (*)	1	20			1.0			1		PFB	28
29	S (*)	1	20				1.0		1		PFB	30
	CONNECTED LOAD PER PHASE				6.4	4.1	3.6					

TOTAL CONNECTED LOAD (KVA) 14.1

(*) DENOTES CIRCUIT BREAKER TO REMAIN IN THE "OFF" POSITION.

PANEL 4A2 — 3P100A MAIN CIRCUIT BREAKER, 480Y/277V, 3 PHASE, 4 WIRE, 14,000 A.I.C. MINIMUM INDUSTRIAL-BOLTED TYPE, SURFACE MOUNTED

CKT. NO.	USE: L-LTS, R-RECEP, PFB-PROVISION FUTURE BKR., S-SPARE, F-FAN, W-WARMER	BREAKER POLE	BREAKER AMPS	WIRE SIZE	KVA ON BUSSES PHASE A	PHASE B	PHASE C	WIRE SIZE	BREAKER POLE	BREAKER AMPS	USE: L-LTS, R-RECEP, PFB-PROVISION FUTURE BKR., S-SPARE, F-FAN, W-WARMER	CKT. NO.
1	L-SALLYPORT/CORRIDOR	1	20	12	0.4	0.9		10	1	20	L-PARKING	2
3	L-PAT BELNG/TRASH/CLEAN/ELEC	1	20	12		0.4	1.0	10	1	20	L-EXTERIOR PERIMETER	4
5	L-SECURITY/DATA	1	20	12			0.3		1		PFB	6
7	L-LOBBY/CORRIDOR/CONF	1	20	12	0.5				1		PFB	8
9	L-VISITOR INTAKE/SECLUSION	1	20	12		0.2			1		PFB	10
11	L-CR WING	1	20	12			0.4		1		PFB	12
13	S (*)	1	20		1.0				1		PFB	14
15	S (*)	1	20			1.0			1		PFB	16
17	S (*)	1	20				1.0		1		PFB	18
19	S (*)	1	20		1.0				1		PFB	20
21	S (*)	1	20			1.0			1		PFB	22
23	S (*)	1	20				1.0		1		PFB	24
25	PFB	1							1		PFB	26
27	PFB	1							1		PFB	28
29	PFB	1							1		PFB	30
	CONNECTED LOAD PER PHASE				3.8	3.6	2.7					

TOTAL CONNECTED LOAD (KVA) 10.1

(*) DENOTES CIRCUIT BREAKER TO REMAIN IN THE "OFF" POSITION.

2153 NORTH KING STREET, SUITE 201
HONOLULU, HAWAII 96819
808.941.0577
--

REVISIONS

2 03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET
03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

BILLY J. ORNELLAS — LICENSED PROFESSIONAL ENGINEER — No. 11656-E — HAWAII, U.S.A.

April 30, 2028
License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME

SHEET NAME

PANEL SCHEDULES

SCALE: NONE

DRAWN BY	CHECKED BY
CAD	BO

PROJECT NO.	SHEET NO.
221093-01	**E404**

SHEET ISSUE DATE
03/30/2026

LAST SAVE: 11/15/21 @ 08:41:50 BY: BO PLOT SC: 1"=1"

DISTRIBUTION PANEL DP2A

3P500A MAIN CIRCUIT BREAKER, 208Y/120V, 3 PHASE, 4 WIRE,
25,000 A.I.C. MINIMUM INDUSTRIAL-BOLTED TYPE,
SURFACE MOUNTED

CKT. NO.	USE: L-LTS, R-RECEP, PFB-PROVISION FUTURE BKR., S-SPARE, F-FAN, W-WARMER	BREAKER POLE	BREAKER AMPS	WIRE SIZE	KVA ON BUSSES PHASE A		PHASE B		PHASE C		WIRE SIZE	BREAKER POLE	BREAKER AMPS	USE: L-LTS, R-RECEP, PFB-PROVISION FUTURE BKR., S-SPARE, F-FAN, W-WARMER	CKT. NO.
1	PANEL 2A1	3	125	1	13.6	11.5					1/0	3	150	PANEL 2B1	2
3	-	-	-	1			15.1	13.3			1/0	-	-	-	4
5	-	-	-	1					15.6	9.4	1/0	-	-	-	6
7	PANEL 2A2	3	125	1	9.0	6.9					1	3	125	PANEL 2B2	8
9	-	-	-	1			8.5	5.7			1	-	-	-	10
11	-	-	-	1					8.1	5.9	1	-	-	-	12
13	PANEL 2UPS	3	50	8	4.2							3		PFB	14
15	-	-	-	8			5.0					-	-	-	16
17	-	-	-	8					5.0			-	-	-	18
19	FUTURE EV CHARGER	2	70		6.0							3		PFB	20
21	-	-	-				6.0					-	-	-	22
23	FUTURE EV CHARGER	2	70						6.0			-	-	-	24
25	-	-	-		6.0							3		PFB	26
27	PFB	2										-	-	-	28
29	-	-	-									-	-	-	30
31	PFB	3										3		PFB	32
33	-	-	-									-	-	-	34
35	-	-	-									-	-	-	36
37	PFB	3										3		PFB	38
39	-	-	-									-	-	-	40
41	-	-	-									-	-	-	42
	CONNECTED LOAD PER PHASE				57.2		53.6		50.0						

TOTAL CONNECTED LOAD (KVA) 160.8
DEMAND FACTOR 80%
DEMAND LOAD (KVA) 128.6
DEMAND LOAD (A) 357.1

(*) DENOTES CIRCUIT BREAKER TO REMAIN IN THE "OFF" POSITION.

PANEL 2A2

3P125A MAIN CIRCUIT BREAKER, 208Y/120V, 3 PHASE, 4 WIRE,
18,000 A.I.C. MINIMUM INDUSTRIAL-BOLTED TYPE,
SURFACE MOUNTED

CKT. NO.	USE: L-LTS, R-RECEP, PFB-PROVISION FUTURE BKR., S-SPARE, F-FAN, W-WARMER	BREAKER POLE	BREAKER AMPS	WIRE SIZE	KVA ON BUSSES PHASE A		PHASE B		PHASE C		WIRE SIZE	BREAKER POLE	BREAKER AMPS	USE: L-LTS, R-RECEP, PFB-PROVISION FUTURE BKR., S-SPARE, F-FAN, W-WARMER	CKT. NO.
1	WH-1	3	45	8	4.1	0.5					12	1	20	TU-INTAKE QUAD	2
3	-	-	-	8			4.1	0.5			12	1	20	TU-OUTPATIENT QUAD	4
5	-	-	-	8					4.1	0.2	12	1	20	EF-8	6
7	WH-2	3	45	8	4.1	0.1					12	1	20	EF-6	8
9	-	-	-	8			4.1	0.1			12	1	20	EF-7	10
11	-	-	-	8					4.1			1		PFB	12
13	HWCP-1	1	15	12	0.1							1		PFB	14
15	MOTORIZED DAMPERS - PACU	1	20	12			0.2					1		PFB	16
17	S (*)	1	20						1.0			1		PFB	18
19	S (*)	1	20		1.0							1		PFB	20
21	S (*)	1	20				1.0					1		PFB	22
23	S (*)	1	20						1.0			1		PFB	24
25	S (*)	1	20		1.0							1		PFB	26
27	PFB	1										1		PFB	28
29	PFB	1										1		PFB	30
31	PFB	1										1		PFB	32
33	PFB	1										1		PFB	34
35	PFB	1										1		PFB	36
37	PFB	1										1		PFB	38
39	PFB	1										1		PFB	40
41	PFB	1										1		PFB	42
	CONNECTED LOAD PER PHASE				10.9		10.0		10.4						

TOTAL CONNECTED LOAD (KVA) 31.3

(*) DENOTES CIRCUIT BREAKER TO REMAIN IN THE "OFF" POSITION.

PANEL 2A1

3P150A MAIN CIRCUIT BREAKER, 208Y/120V, 3 PHASE, 4 WIRE,
18,000 A.I.C. MINIMUM INDUSTRIAL-BOLTED TYPE,
SURFACE MOUNTED

CKT. NO.	USE: L-LTS, R-RECEP, PFB-PROVISION FUTURE BKR., S-SPARE, F-FAN, W-WARMER	BREAKER POLE	BREAKER AMPS	WIRE SIZE	KVA ON BUSSES PHASE A		PHASE B		PHASE C		WIRE SIZE	BREAKER POLE	BREAKER AMPS	USE: L-LTS, R-RECEP, PFB-PROVISION FUTURE BKR	CKT. NO.
1	R-ELEC ROOM 71	1	20	12	0.2	0.2					12	1	20	R-DATA RROM	2
3	R-TRANSPORT LOBBY	1	20	12			0.2	1.0			12	1	20	R-DATA ROOM	4
5	R-PATIENT BELONG/TRASH	1	20	12					0.8	1.5	12	1	20	R-DATA EQUIP RACK	6
7	R-LARGE THERAPY/CRAFT	1	20	12	0.6	1.5					12	1	20	R-DATA EQUIP RACK	8
9	R-LARGE THERAPY/CRAFT CNTR	1	20	12			1.5	0.4			12	1	20	R-STAFF TOILET	10
11	R-LARGE THERAPY/CRAFT CNTR	1	20	12					1.5	1.0	12	1	20	R-CR OBSERVATION	12
13	R-NOURISH	1	20	12	0.2	0.6					12	1	20	R-CR OBSERVATION	14
15	R-NOURISH REFRIG	1	20	12			1.2	0.2			12	1	20	R-TLT & SHOWER	16
17	R-NOURISH COUNTER	1	20	12					1.5	0.2	12	1	20	R-CR QUIET ROOM	18
19	R-NOURISH COUNTER	1	20	12	1.5	0.2					12	1	20	R-CR PATIENT TOILET	20
21	R-HW	1	20	12			0.2	0.8			12	1	20	R-CR INTAKE/CONSULT	22
23	R-CORRIDOR 61	1	20	12					0.4	0.2	12	1	20	R-CR LOBBY/WAITING	24
25	R-VISIT/TELE	1	20	12	0.8	1.5					12	1	20	R-PATIENT BELONG W/D	26
27	R-VISIT/INTAKE/DISCHARGE	1	20	12			0.8	1.0			12	1	20	R-PATIENT BELONG	28
29	R-SECURITY TOILET	1	20	12					0.5	1.0	12	1	20	R-CR NURSE STATION	30
31	R-CORRIDOR 13	1	20	12	0.4	1.0					12	1	20	R-CR NURSE STATION	32
33	R-LOBBY	1	20	12			1.0	1.0			12	1	20	R-CR NURSE STATION	34
35	R-CONFERENCE	1	20	12					0.8	1.0	12	1	20	R-CR NURSE STA COUNTER	36
37	R-CONFERENCE VIDEO	1	20	12	0.5	1.0					12	1	20	R-CR NURSE STA EQUIP	38
39	R-GROUP THERAPY	1	20	12			0.8	1.0			12	1	20	R-CR NURSE STA EQUIP	40
41	IRRIGATION CONTROLLER	1	20	12					0.2	1.0	12	1	20	R-CR NURSE STA EQUIP	42
43	FIRE ALARM CONTROL PANEL (**)	1	20	12	1.0	0.4					12	1	20	R-STAFF CORRIROR	44
45	DDC PANEL	1	20	12			1.0	1.0			12	1	20	R-DATA ROOM	46
47	R-MECH EQUIP ENCLOSURE	1	20	12					0.5	1.0	12	1	20	R-PATIENT DOOR ALRM SYS	48
49	S (*)	1	20		1.0							1		PFB	50
52	S (*)	1	20				1.0					1		PFB	52
53	S (*)	1	20						1.0			1		PFB	54
55	S (*)	1	20		1.0							1		PFB	56
57	S (*)	1	20				1.0					1		PFB	58
59	S (*)	1	20						1.0			1		PFB	60
	CONNECTED LOAD PER PHASE				13.6		15.1		15.1						

TOTAL CONNECTED LOAD (KVA) 43.8

(*) DENOTES CIRCUIT BREAKER TO REMAIN IN THE "OFF" POSITION.
(**) DENOTES PROVIDE RED CIRCUIT BREAKER LABEL PER NEC 760.1

PANEL 2UPS

3P50A MAIN CIRCUIT BREAKER, 208Y/120V, 3 PHASE, 4 WIRE,
10,000 A.I.C. MINIMUM INDUSTRIAL-BOLTED TYPE,
SURFACE MOUNTED

CKT. NO.	USE: L-LTS, R-RECEP, PFB-PROVISION FUTURE BKR., S-SPARE, F-FAN, W-WARMER	BREAKER POLE	BREAKER AMPS	WIRE SIZE	KVA ON BUSSES PHASE A		PHASE B		PHASE C		WIRE SIZE	BREAKER POLE	BREAKER AMPS	USE: L-LTS, R-RECEP, PFB-PROVISION FUTURE BKR., S-SPARE, F-FAN, W-WARMER	CKT. NO.
1	R-SECURITY/ELECTRONICS	1	20	12	0.2							1		PFB	2
3	R-SECURITY EQUIP RACK	1	20	12			1.5					1		PFB	4
5	R-SECURITY BACKBOARD	1	20	12					1.0			1		PFB	6
7	R-SECURITY BACKBOARD	1	20	12	1.0							1		PFB	8
9	R-SECURITY OFFICE	1	20	12			0.5					1		PFB	10
11	R-SECURITY OFFICE	1	20	12					1.0			1		PFB	12
13	R-SECURITY OFFICE	1	20	12	1.0							1		PFB	14
15	ACCESS CONTROL SYSTEM PANELS	1	20	12			1.5					1		PFB	16
17	S (*)	1	20						1.0			1		PFB	18
19	S (*)	1	20		1.0							1		PFB	20
21	S (*)	1	20				1.0					1		PFB	22
23	S (*)	1	20						1.0			1		PFB	24
25	S (*)	1	20		1.0							1		PFB	26
27	S (*)	1	20				1.0					1		PFB	28
29	S (*)	1	20						1.0			1		PFB	30
	CONNECTED LOAD PER PHASE				4.2		5.5		5.0						

TOTAL CONNECTED LOAD (KVA) 14.7

(*) DENOTES CIRCUIT BREAKER TO REMAIN IN THE "OFF" POSITION.

2153 NORTH KING STREET, SUITE 201
HONOLULU, HAWAII 96819
808.941.0577
--

REVISIONS

2 03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET
03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

BILLY J. ORNELLAS
LICENSED PROFESSIONAL ENGINEER
No. 11658-E
HAWAII, U.S.A.

April 30, 2026
License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME

SHEET NAME

PANEL SCHEDULES

SCALE: NONE

DRAWN BY	CHECKED BY
CAD	BO
PROJECT NO. 221093-01	SHEET NO. **E405**
SHEET ISSUE DATE 03/30/2026	

LAST SAVE: 11/15/21 @ 08:41:50 BY: BO PLOT SC 1"=1"

SAM MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY					
ELECTRICAL LOAD CALCULATIONS					
PANEL 4A1					
LOAD DESCRIPTION	Motor FLC (A)	Motor Load (kW)	Fixed Equipment Load (kW)	General Receptacle Load (kW)	Lighting Load (kW)
PANEL DP2A		0.5	52.4	55.6	**0.0**
PANEL 4A2		0.0	0.0	0.0	4.1
PANEL 4B1		0.0	0.00	0.0	8.1
PACU-1		55.9			
PACU-2 (*)		55.9			
DOAS-1		17.3			
		129.6	52.35	55.6	12.2
				Subtotal (kW)	249.8
				25% Largest Motor Load (kW)	14.0
				Total (kW)	263.8
				Total (A)	317.3

(*) DENOTES REDUNDANT LOAD

SAM MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY					
ELECTRICAL LOAD CALCULATIONS					
DISTRIBUTION PANEL DP2A					
LOAD DESCRIPTION	Motor FLC (A)	Motor Load (kW)	Fixed Equipment Load (kW)	General Receptacle Load (kW)	Lighting Load (kW)
PANEL 2A1		0.0	11.9	25.9	**0.0**
PANEL 2A2		0.3			
PANEL 2UPS		0.0	5.0	2.7	0.0
PANEL 2B1		0.0	10.0	20.2	0.0
PANEL 2B2		0.3	1.5	6.8	0.0
FUTURE EV CHARGER			12.0		
FUTURE EV CHARGER			12.0		
		0.5	52.4	55.6	0.0
				Subtotal (kW)	108.5
				25% Largest Motor Load (kW)	0.1

FAULT CURRENT CALCULATIONS SAM MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY									
LOAD	FAULT CURRENT AT SOURCE (A)	SYSTEM VOLTAGE (V)	FEEDER LENGTH (FT)	CONDUCTOR IMPEDENCE CONSTANT (C)	CONDUCTORS PER PHASE	F	MULTIPLIER (M)	FAULT CURRENT AT LOAD (A)	DEVICE RATING (AIC)
EXISTING METERING DISTRIBUTION SWBD	26,800	480	100	26,706	2	0.181	0.847	22,692	65,000
PANEL 4A1	22,692	480	320	26,706	1	0.981	0.505	11,454	25,000
PANEL 4A2	11,454	480	20	5,907	1	0.140	0.877	10,048	14,000
PANEL 4B1	11,454	480	100	5,907	1	0.700	0.588	6,739	14,000
DRY-TYPE TRANSFORMER CIRCUIT BREAKER	11,454	480	10	15,082	1	0.027	0.973	11,149	N/A
DISTRIBUTION PANEL DP2A	13,352	208	10	16,483	2	0.034	0.967	12,916	25,000
PANEL 2A1	12,916	208	10	9,317	1	0.115	0.897	11,580	18,000
PANEL 2A2	12,916	208	15	7,493	1	0.215	0.823	10,628	18,000
PANEL 2UPS	12,916	208	40	1,559	1	2.760	0.266	3,436	10,000
PANEL 2B1	12,916	208	100	9,317	1	1.154	0.464	5,995	10,000
PANEL 2B2	12,916	208	100	7,493	1	1.435	0.411	5,304	10,000

Transformer	Short-Circuit Current at Primary (A)	Primary Voltage (V)	Secondary Voltage (V)	Transformer Impedence (%Z)	Transformer Capacity (KVA)	f	Multiplier (M)	Short Circuit Current at Secondary (A)
KIUC 500kVA TRANSFORMER (*)								26,800 (*)
DRY-TYPE TRANSFORMER	11,149	480	208	1.5	150.0	0.927	0.519	13,352
(*) BASED ON ESTIMATED VALUES								

2153 NORTH KING STREET, SUITE 201
HONOLULU, HAWAII 96819
808.941.0577
--

REVISIONS

1 03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

BILLY J. ORNELLAS
LICENSED PROFESSIONAL ENGINEER
No. 11658-E
HAWAII, U.S.A.

April 30, 2028
License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME

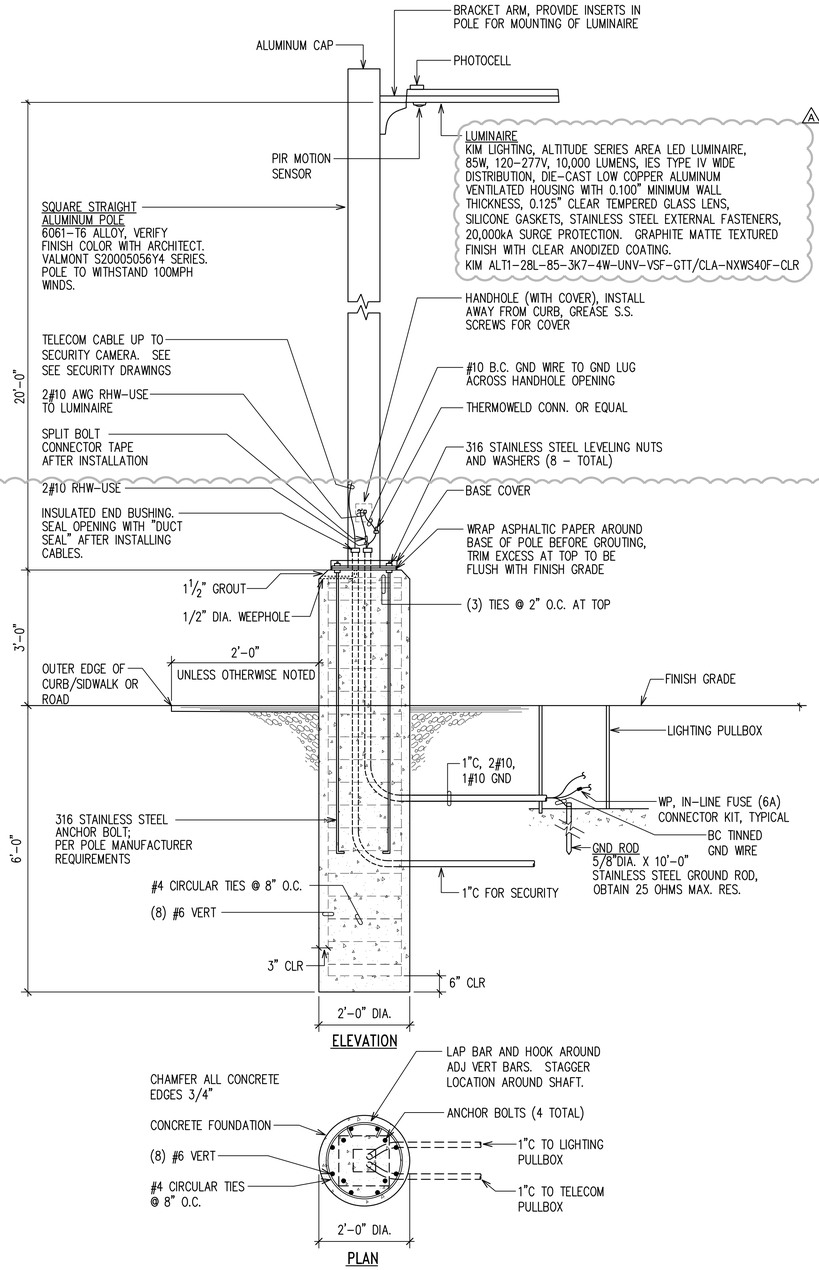
SHEET NAME

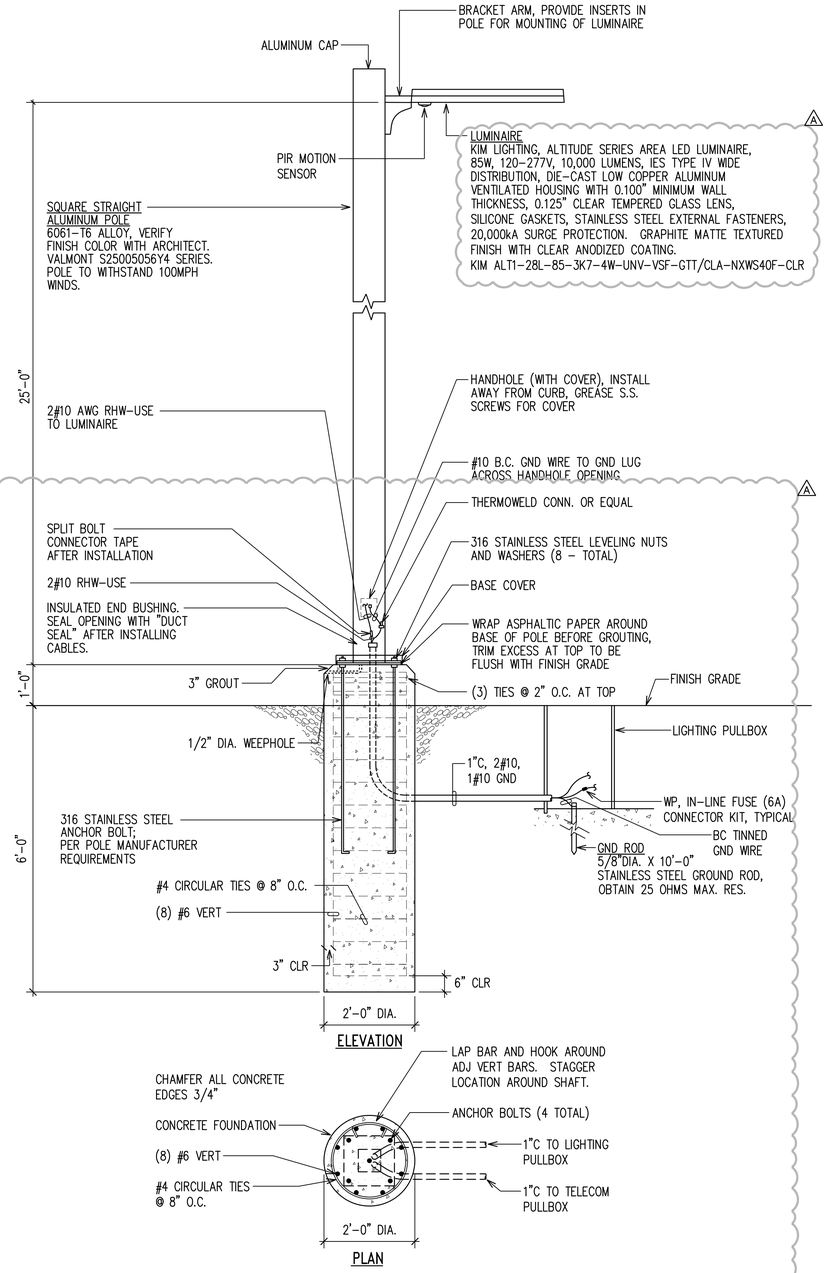
ELECTRICAL LOAD CALCULATIONS

SCALE: NONE

DRAWN BY	CHECKED BY
CAD	BO
PROJECT NO. 221093-01	SHEET NO. **E407**
SHEET ISSUE DATE 03/30/2026	

LAST SAVE: 11/15/21 @ 08:41:50 BY: BD PLOT SC 1"=1'





PARKING LOT/DRIVEWAY

SECURED YARD

NOTES:

1. ALL NEUTRAL CONDUCTORS MUST HAVE SOLID WHITE INSULATION. ALL OTHER FORMS OF IDENTIFICATION UNACCEPTABLE.
2. PROVIDE TEMPORARY CASTING AS REQUIRED FOR FOOTING CONSTRUCTION.
3. CONCRETE PLACED BELOW WATER SHALL BE TREMIED FROM THE BOTTOM UP.
4. POLE SHALL BE DESIGNATED TO WITHSTAND 100 MPH WINDS (130 MPH GUSTS) WITHOUT PERMANENT DEFORMATION.
5. TORQUE THE ANCHOR BOLT NUTS TO POLE MANUFACTURERS RECOMMENDATIONS.
6. SLOPE FOOTING WEEPHOLE AWAY FROM LIGHT POLE.
7. SEE LIGHTING AND SITE SHEETS FOR LIGHT POLE VOLTAGES.
8. CONTRACTOR SHALL COORDINATE GROUTING OF THE POLE BASE WITH THE INSTALLATION OF THE BASE COVERS.

HANDHOLE COVER NOTES:

INSCRIBE THE FOLLOWING INFORMATION ON THE HANDHOLE COVER:

1. LIGHT NO. – I.E. "17"
2. VOLTAGE – I.E. "277V"
3. SOURCE – I.E. "PNL 4A2"
4. SOURCE LOCATION – I.E. "BHNPF MAIN ELEC RM"
5. POLE HEIGHT AND CATALOG NO.
6. DATE FABRICATED

1 E501 AREA LIGHT POLE DETAILS
NOT TO SCALE

2153 NORTH KING STREET, SUITE 201
HONOLULU, HAWAII 96819
808.941.0577
--

REVISIONS

1 03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

BILLY J. ORNELLAS LICENSED PROFESSIONAL ENGINEER No. 11658-E HAWAII, U.S.A.

April 30, 2028
License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME

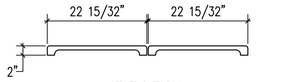
SHEET NAME

AREA LIGHT POLE DETAILS

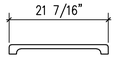
SCALE: NONE

DRAWN BY	CHECKED BY
CAD	BO
PROJECT NO. 221093-01	SHEET NO. **E501**
SHEET ISSUE DATE 03/30/2026	

LAST SAVE: 11/15/21 @ 08:41:50 BY: BO PLOT SC 1"=1"

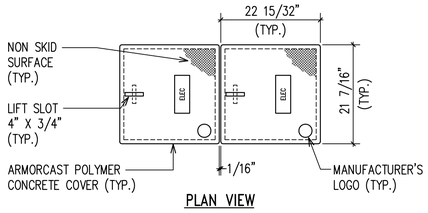


ELEVATION

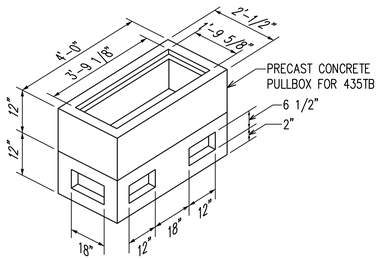


SIDE VIEW

COVER DETAIL



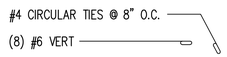
PLAN VIEW



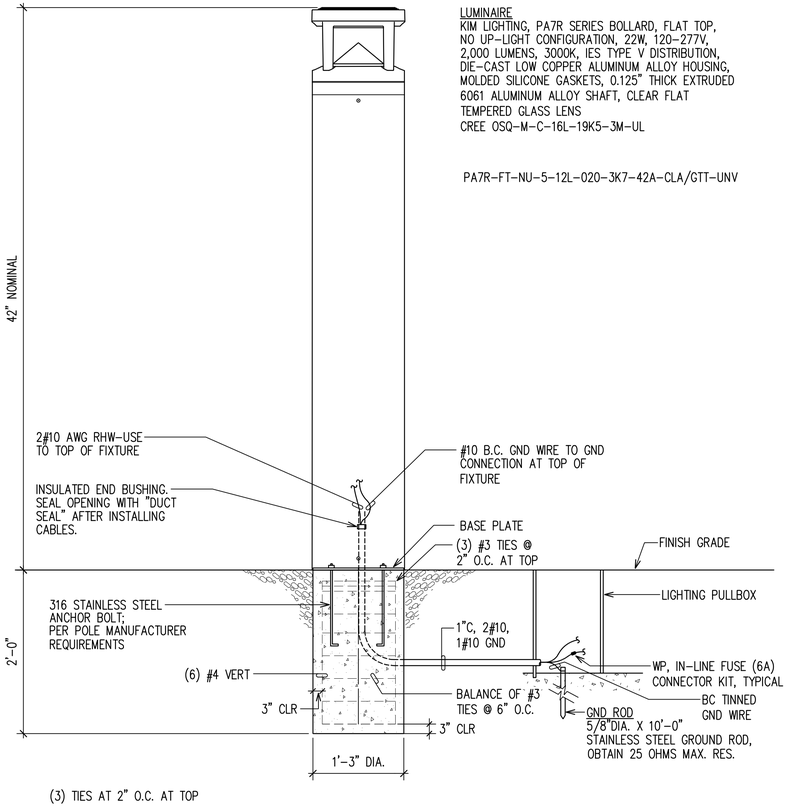
PULLBOX

NOTES:

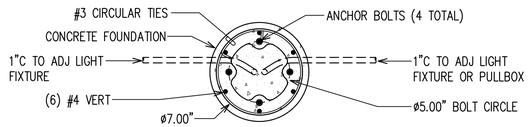
1. PROVIDE ARMORCAST POLYMER CONCRETE COVER.
2. INSTALL ON 6" BED OF #3 CRUSHED ROCK.
3. PROVIDE SUFFICIENT AMOUNT OF 5/8"ø X 8' COPPERWELD GROUND RODS AS DIRECTED BY THE TRAFFIC SIGNAL INSPECTOR/ENGINEER. COST SHALL BE INCIDENTAL TO THE VARIOUS TRAFFIC SIGNAL ITEMS.



1 E503 ELECTRICAL PULLBOX DETAIL
NOT TO SCALE



ELEVATION



PLAN

2 E503 ADA WALKWAY BOLLARD DETAIL
NOT TO SCALE

2153 NORTH KING STREET, SUITE 201
HONOLULU, HAWAII 96819
808.941.0577
--

REVISIONS

2 03/30/26	ADDENDUM 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

BILLY J. ORNELLAS
LICENSED PROFESSIONAL ENGINEER
No. 11658-E
HAWAII, U.S.A.

April 30, 2028
License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME

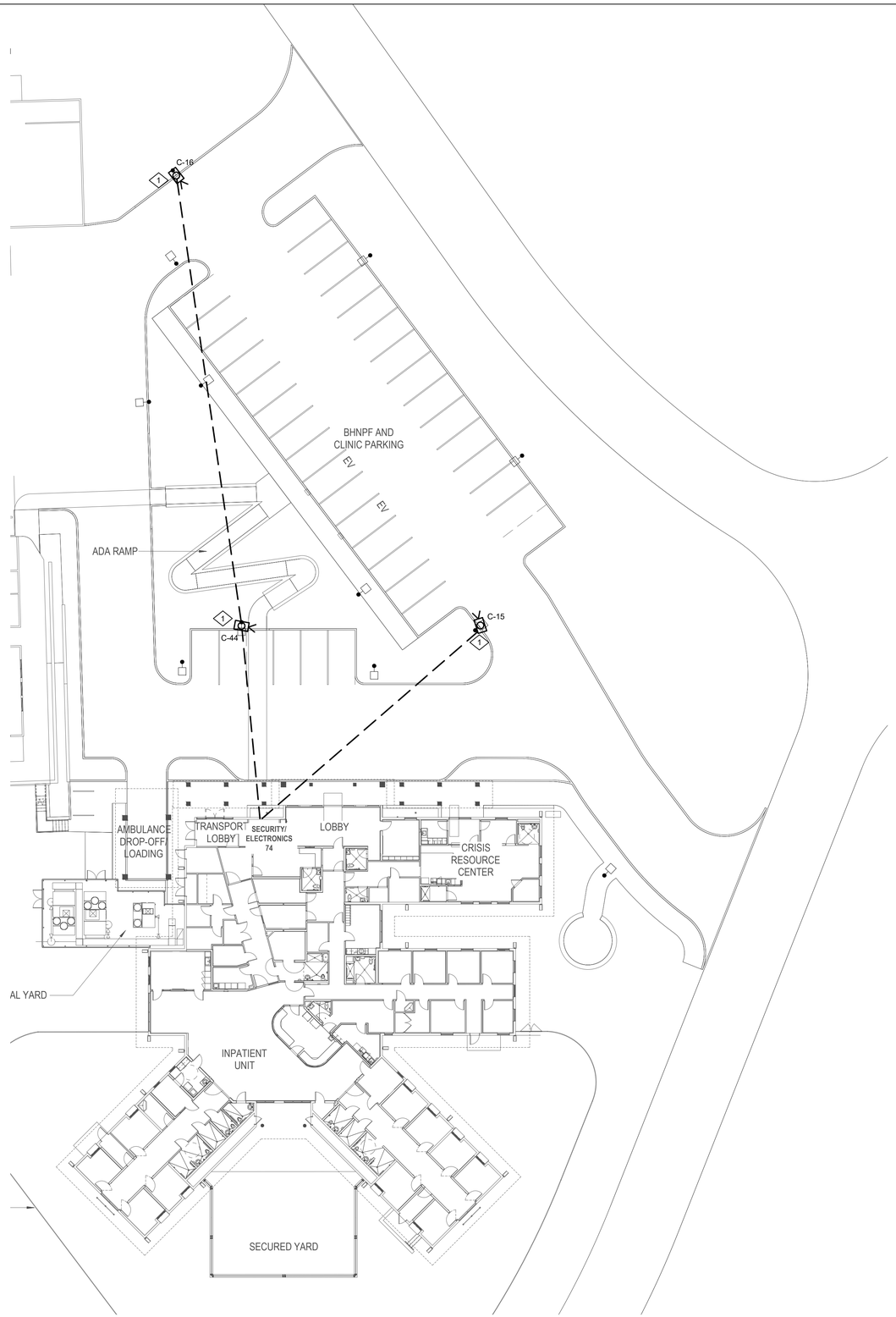
SHEET NAME

ELECTRICAL PULLBOX DETAIL

SCALE: NONE

DRAWN BY	CHECKED BY
CAD	BO
PROJECT NO. 221093-01	SHEET NO. **E503**
SHEET ISSUE DATE 03/30/2026	

LAST SAVE: 11/15/21 @ 08:41:50 BY: BO PLOT SC 1"=1"



1 PARTIAL SITE PLAN - NEW EXPANSION - SECURITY

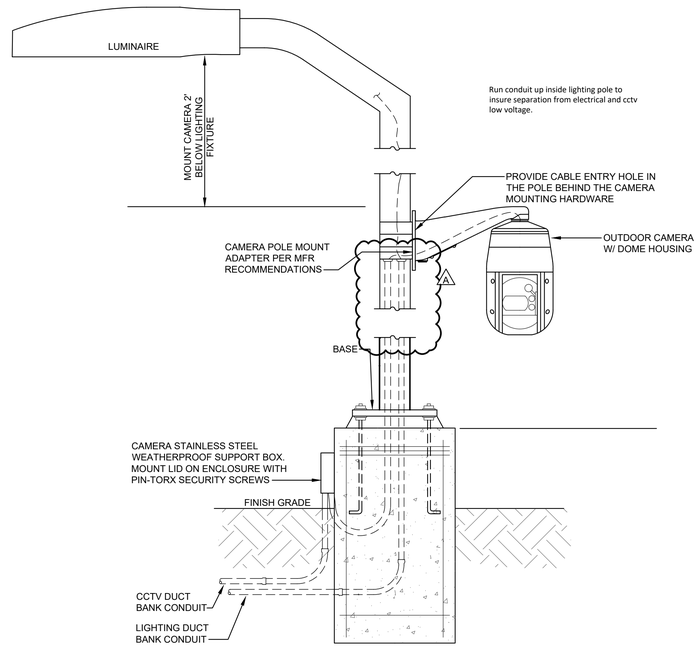
SCALE: 1"=20'

SHEET NOTES

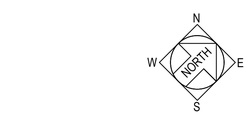
1. ALL UNDERGROUND CONDUIT IS TO BE 1-1/4", UNO.

KEYED NOTES

1. 360° PANORAMIC CAMERA. MOUNT ON LIGHTING POLE, 2' BELOW LIGHTING FIXTURE. REF DETAIL 2 THIS SHEET.



2 CCTV TO LIGHTING POLE MOUNTING DETAIL



HK Electrical Engineers
10512 SE French Rd. Vancouver, WA 98664
PH: (503) 319-3119 WWW.HKENG.COM

REVISIONS

	Date	Description
A	03/30/26	Addendum 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME

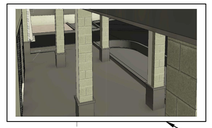
SHEET NAME

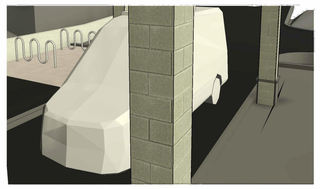
PARTIAL SITE PLAN - NEW EXPANSION - SECURITY

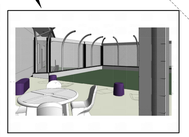
SCALE: As indicated

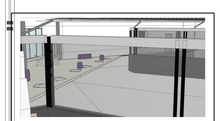
DRAWN BY	CHECKED BY
BW	FH
PROJECT NO.	SHEET NO.
221093-01	Ty101
SHEET ISSUE DATE	
03/30/2026	

3/29/2026 9:08:01 PM









SHEET NOTES

1. ALL HOMERUNS ARE TO SECURITY/ELECTRONICS ROOM 74, UNO.
2. ACCESS CONTROL CARD READERS INSTALLED IN 2" DOOR FRAMES SHALL BE MULLION UNITS.

KEYED NOTES

1. OUTLET BOX, +18" AFF TO TOP WITH (3) RJ-45 CONNECTORS FOR MONITOR AND KVM ABOVE.
2. TO NURSE STATION CONSOLE IN NURSE STATION 40.

360° PANORAMIC CAMERA. CEILING MOUNT ON UNDERSIDE OF SOFFIT

360° PANORAMIC CAMERA. CORNER MOUNT ON UNDERSIDE OF SOFFIT

BEHAVIORAL HEALTHCARE NURSE STATION CONSOLE. VERIFY LOCATION WITH OWNER

CCTV MONITOR (M-03), KEYBOARD AND MOUSE

1 FLOOR PLAN - SECURITY
SCALE: 1/8"=1'-0"

HK Electrical Engineers
10512 SE French Rd. Vancouver, WA 98664
PH: (503) 319-3119 WWW.HKENG.COM

REVISIONS

△	Date	Description
A	03/30/26	Addendum 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME

SHEET NAME

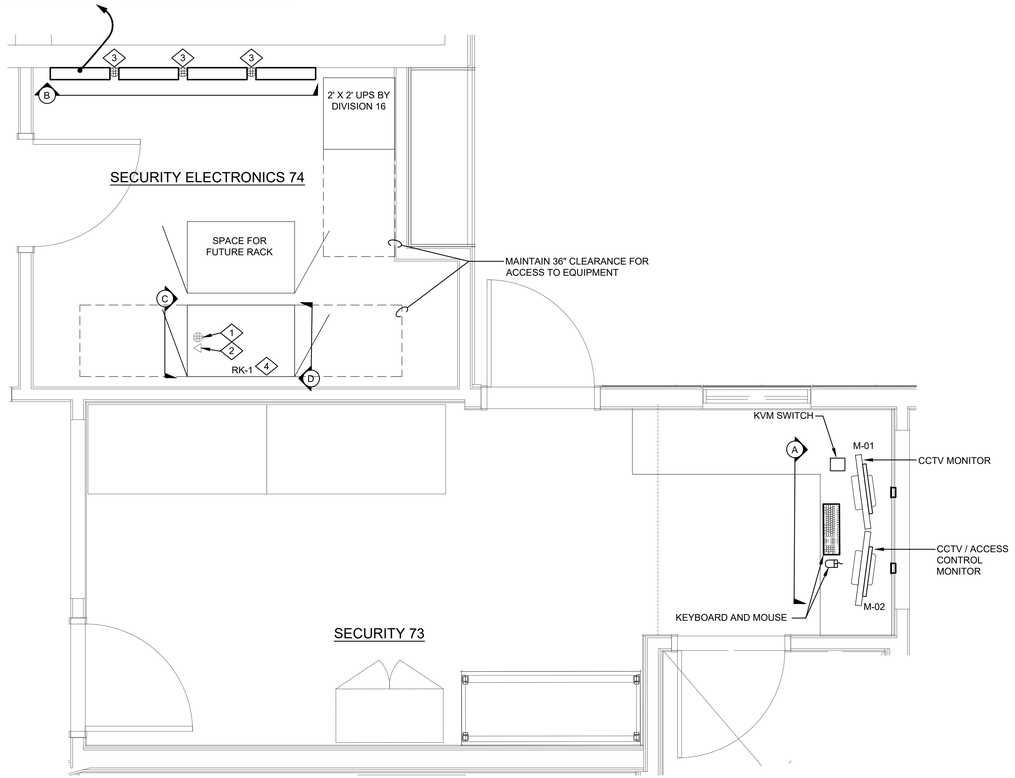
FLOOR PLAN - SECURITY

SCALE: As indicated

DRAWN BY	CHECKED BY
BW	FH
PROJECT NO.	SHEET NO.
221093-01	Ty201
SHEET ISSUE DATE	
03/30/2026	

3/29/2026 9:08:03 PM

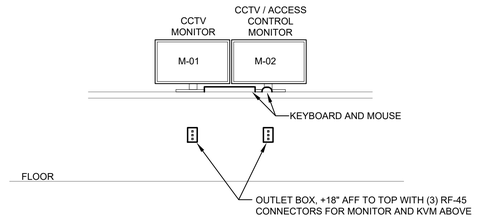
ROUTE CABLE IN 1" CONDUIT TO FIRE ALARM PANEL. REFER TO THE ELECTRICAL DRAWINGS FOR LOCATIONS. INCLUDE INPUT POINTS ON THE DATA GATHERING PANEL FOR FIRE ALARM INPUTS INTO THE ACCESS CONTROL SYSTEM AND PROGRAM FOR AUTOMATIC DOOR RELEASE. PROVIDE ONE PAIR OF #18TP FOR EACH FIRE ALARM ZONE



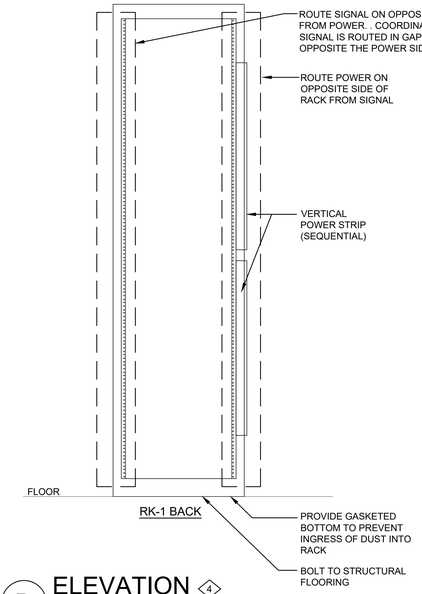
1 ENLARGED FLOOR PLAN
SCALE: 1/2"=1'-0"

KEYED NOTES

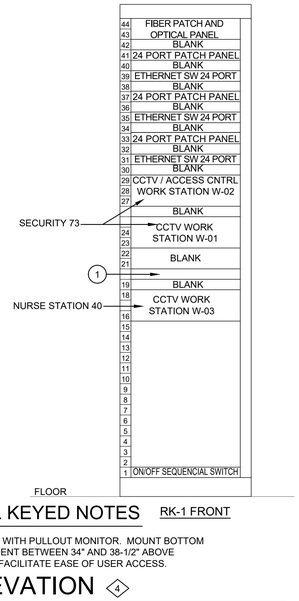
1. UPS POWER OUTLET BY DIVISION 16.
2. DATA OUTLET BY DIVISION 17.
3. EMERGENCY POWER.
4. RACK BY DIVISION 17.



A ELEVATION - SECURITY 73
SCALE: 1/2"=1'-0"



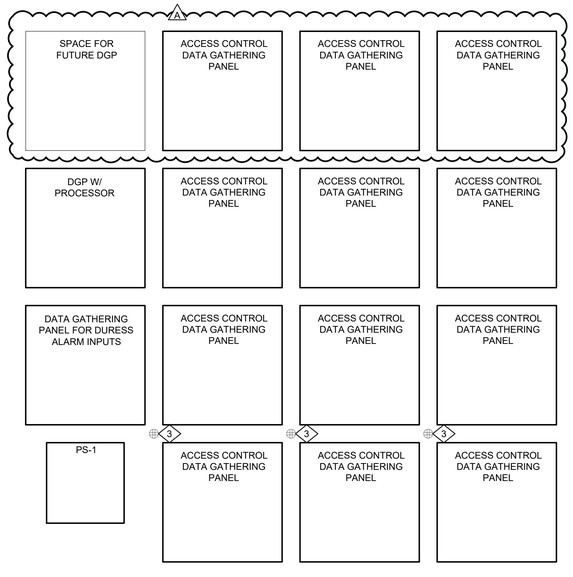
D ELEVATION ◇4
SCALE: 1"=1'-0"



DETAIL KEYED NOTES — RK-1 FRONT

1. KEYBOARD WITH PULLOUT MONITOR. MOUNT BOTTOM OF EQUIPMENT BETWEEN 34" AND 38-1/2" ABOVE FLOOR TO FACILITATE EASE OF USER ACCESS.

C ELEVATION ◇4
SCALE: 1"=1'-0"



B ELEVATION
SCALE: 1"=1'-0"

HK Electrical Engineers
10512 SE French Rd. Vancouver, WA 98664
PH: (503) 319-3119 WWW.HKENG.COM

REVISIONS

△	Date	Description
A	03/30/26	Addendum 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME

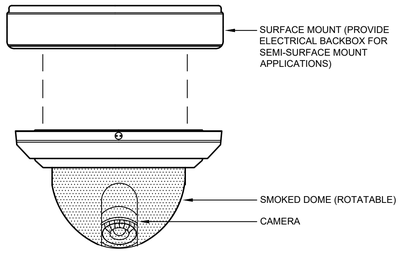
SHEET NAME

ENLARGED FLOOR PLANS AND ELEVATIONS - SECURITY

SCALE: As indicated

DRAWN BY	CHECKED BY
BW	FH
PROJECT NO.	SHEET NO.
221093-01	Ty301
SHEET ISSUE DATE	
03/30/2026	

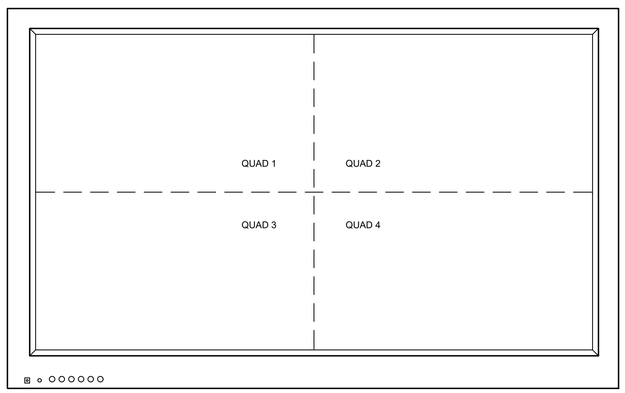
3/29/2026 9:08:05 PM



5 TYPE A, INDOOR/OUTDOOR MINI-DOME CAMERA HOUSING

ITEM	CAMERA #	LOCATION	SHEET	TYPE	MOUNT	NOTES
1	C-01	NEW MAIN ENTRY 1	Ty201	360 PARARAMIC	CEILING	
2	C-02		Ty201	FIXED, EXTERIOR, TYPE A	WALL MOUNT	+11'-6" AFG, EQUIP WITH WALL MOUNTING ARM
3	C-03		Ty201	FIXED, EXTERIOR, TYPE A	WALL MOUNT	+11'-6" AFG, EQUIP WITH WALL MOUNTING ARM
4	C-04		Ty201	FIXED, EXTERIOR, TYPE A	CEILING	
5	C-05		Ty201	FIXED, EXTERIOR, TYPE A	WALL MOUNT	+11'-6" AFG, EQUIP WITH WALL MOUNTING ARM
6	C-06		Ty201	360 PARARAMIC	CEILING	MOUNT UNDERSIDE OF SOFFIT
7	C-07		Ty201	FIXED, EXTERIOR, TYPE A	CEILING	MOUNT UNDERSIDE OF SOFFIT
8	C-08		Ty201	FIXED, EXTERIOR, TYPE A	CEILING	MOUNT UNDERSIDE OF SOFFIT
9	C-09		Ty201	360 PARARAMIC	CEILING	MOUNT UNDERSIDE OF SOFFIT
10	C-10		Ty201	360 PARARAMIC	CEILING	MOUNT UNDERSIDE OF SOFFIT
11	C-11		Ty201	FIXED, EXTERIOR, TYPE A	WALL MOUNT	+11'-6" AFG, EQUIP WITH WALL MOUNTING ARM
12	C-12		Ty201	FIXED, EXTERIOR, TYPE A	WALL MOUNT	+11'-6" AFG, EQUIP WITH WALL MOUNTING ARM
13	C-13		Ty201	360 PARARAMIC	WALL MOUNT	MOUNT ON EXTERIOR CORNER OF BUILDING
14	C-14		Ty201	360 PARARAMIC	WALL MOUNT	MOUNT ON EXTERIOR CORNER OF BUILDING
15	C-15	PARKING	Ty101	360 PARARAMIC	LIGHTING POLE MOUNT	2' BELOW LIGHT FIXTURE, SUPPLY WITH POLE MOUNTING HARDWARE
16	C-16	PARKING	Ty101	360 PARARAMIC	LIGHTING POLE MOUNT	2' BELOW LIGHT FIXTURE, SUPPLY WITH POLE MOUNTING HARDWARE
17	C-17	72	Ty201	FIXED, TYPE A	CEILING	
18	C-18	75	Ty201	FIXED, TYPE A	CEILING	
19	C-19	64	Ty201	FIXED, TYPE A	CEILING	
20	C-20	63	Ty201	FIXED, TYPE A	CEILING	
21	C-21	61	Ty201	FIXED, TYPE A	CEILING	
22	C-22	61	Ty201	FIXED, TYPE A	CEILING	
23	C-23	12	Ty201	FIXED, TYPE A	CEILING	
24	C-24	1	Ty201	FIXED, TYPE A	CEILING	
25	C-25	1	Ty201	FIXED, TYPE A	CEILING	
26	C-26	56	Ty201	FIXED, TYPE A	CEILING	
27	C-27	41	Ty201	FIXED, TYPE A	CEILING	
28	C-28	41	Ty201	FIXED, TYPE A	CEILING	
29	C-29	41	Ty201	FIXED, TYPE A	CEILING	
30	C-30	49	Ty201	FIXED, TYPE A	CEILING	
31	C-31	49	Ty201	FIXED, TYPE A	CEILING	
32	C-32	33	Ty201	FIXED, TYPE A	CEILING	
33	C-33	33	Ty201	FIXED, TYPE A	CEILING	
34	C-34	47	Ty201	FIXED, TYPE A	CEILING	
35	C-35	48	Ty201	FIXED, TYPE A	CEILING	
36	C-36	50	Ty201	FIXED, TYPE A	CEILING	
37	C-37	52	Ty201	FIXED, TYPE A	CEILING	
38	C-38	29	Ty201	FIXED, TYPE A	CEILING	
39	C-39	30	Ty201	FIXED, TYPE A	CEILING	
40	C-40	31	Ty201	FIXED, TYPE A	CEILING	
41	C-41	32	Ty201	FIXED, TYPE A	CEILING	
42	C-42	34	Ty201	FIXED, TYPE A	CEILING	
43	C-43	36	Ty201	FIXED, TYPE A	CEILING	
44	C-44	PARKING	Ty101	360 PARARAMIC	LIGHTING POLE MOUNT	2' BELOW LIGHT FIXTURE, SUPPLY WITH POLE MOUNTING HARDWARE

4 CCTV CAMERA SCHEDULE



3 QUAD SCREEN LAYOUT

MONITOR	LOCATION	MONITOR USE	QUAD 1	QUAD 2	QUAD 3	QUAD 4	SHEET
M-01	SECURITY 73	VRS MONITOR	(1)	(1)	(1)	(1)	TY101
M-02	SECURITY 73	VRS / ACCESS CONTROL MONITOR	(2)	(2)	(3)	(2)	TY101
M-03	NURSE STATION 40	VRS MONITOR	(2)	(2)	(2)	(2)	TY101

DETAIL KEYED NOTES

(1) SEQUENTIALLY SWITCHED CAMERAS WITH 5 SECOND DWELL. PROGRAM FOR FIVE SECOND SALVO SWITCHING AS INDICATED.

(2) USER DEFINABLE CAMERA SELECTION AND SEQUENCING.

(3) DISPLAY OF CAMERAS ASSOCIATED WITH DURESS VIDEO.

DETAIL NOTES

1. REF. QUAD SCREEN LAYOUT DETAIL ON THIS SHEET FOR QUAD LAYOUT CONFIGURATION.
2. ALL CAMERAS CAN BE OPERATOR DEFINED TO EACH QUADRANT OF EACH MONITOR.

2 CCTV MONITOR CAMERA SCHEDULE

ITEM #	READER LABEL	DOOR #	# OF READERS ON DOOR	NOTES
1	CR1	61	2	
2	CR2	61	2	
3	CR3	72A	1	SALLYPORT DOOR
4	CR4	75A	1	PERIMETER EXIT DOOR / DOUBLE DOOR
5	CR5	72B	1	SALLYPORT DOOR
6	CR6	51A	1	SALLYPORT DOOR
7	CR7	73B	1	
8	CR8	73A	1	
9	CR9	1	1	PERIMETER EXIT DOOR / DOUBLE DOOR
10	CR10	10	1	SALLYPORT DOOR
11	CR11	35A	1	SALLYPORT DOOR
12	CR12	11	2	SALLYPORT DOOR
13	CR13	11	2	SALLYPORT DOOR
14	CR14	3	1	
15	CR15	4	1	
16	CR16	16A	1	
17	CR17	63B	1	
18	CR18	64B	1	
19	CR19	40A	1	
20	CR20	16B	1	
21	CR21	40B	1	
22	CR22	28B	1	
23	CR23	33	2	
24	CR24	33	2	
25	CR25	49	2	
26	CR26	49	2	
27	CR27	42	1	
28	CR28	41	1	
29	CR29	28A	1	
30	CR30	27	1	
31	CR31	64A	1	
32	CR32	63A	1	
33	CR33	68	1	
34	CR34	65	1	
35	CR35	58	1	
36	CR36	57	1	
37	CR37	59A	1	
38	CR38	56A	1	
39	CR39	56B	1	
40	CR40	54B	1	
41	CR41	55	1	
42	CR42	54A	1	
43	CR43	53	1	

1 ACCESS CONTROL COMBINATION KEYPAD / CARD READER SCHEDULE

HK Electrical Engineers
10512 SE French Rd. Vancouver, WA 98664
PH: (503) 319-3119 WWW.HKENG.COM

REVISIONS

	Date	Description
A	03/30/26	Addendum 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME

SHEET NAME

SECURITY DETAILS AND SCHEDULES

SCALE: As indicated

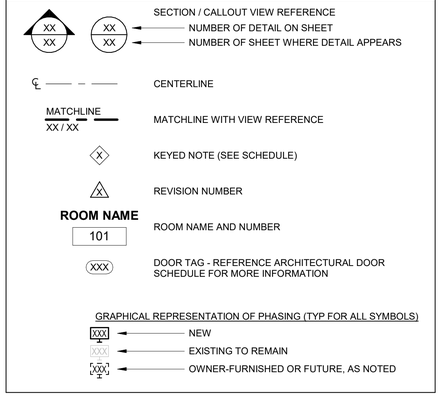
DRAWN BY	CHECKED BY
BW	FH
PROJECT NO. 221093-01	SHEET NO. Ty402
SHEET ISSUE DATE 03/30/2026	

3/29/2026 9:08:06 PM

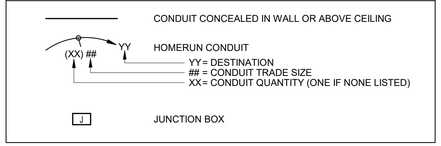
TECHNOLOGY SYSTEMS ABBREVIATIONS:

#	POUNDS (SAME AS "LB" AND "LBS")
(E)	EXISTING TO REMAIN
(N)	NEW
(R)	REMOVE
(RL)	RELOCATE
A	AMPERE
AC	ABOVE COUNTER
ADA	AMERICANS WITH DISABILITIES ACT
ADDL	ADDITIONAL
ADJ	ADJUSTABLE
AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
AL, ALUM	ALUMINUM
ALT	ALTERNATE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ANT	ANTENNA
AOR	ARCHITECT OF RECORD
AP	(WIRELESS) ACCESS POINT
APPROX	APPROXIMATE, APPROXIMATELY
ARCH	ARCHITECTURAL
AUX	AUXILIARY
AV	AUDIO-VIDEO, AUDIO-VISUAL, AUDIOVISUAL
AVC	AUDIO-VIDEO SYSTEMS CONTRACTOR
AWG	AMERICAN WIRE GAUGE
BAS	BUILDING AUTOMATION SYSTEM(S)
BB	BACK BOX
BC	BONDING CONDUCTOR
BET	BUILDING ENTRANCE TERMINAL
BFC	BELOW FINISHED CEILING
BLDG	BUILDING
C	CONDUIT
CAB	EQUIPMENT CABINET
CAM	CAMERA
CAT	CATEGORY (TWISTED PAIR CABLING)
CATV	COMMUNITY ACCESS TELEVISION
CC	CONTACT CLOSURE
CFCI	CONTRACTOR-FURNISHED, CONTRACTOR-INSTALLED
CH	CHANNEL
CKT	CIRCUIT
CL	CENTER LINE
CLG	CEILING
CLK	CLOCK
CM	COMMUNICATIONS MULTIPURPOSE (CABLE)
CMP	COMMUNICATIONS PLENUM RATED (CABLE)
CMR	COMMUNICATIONS RISER RATED (CABLE)
CMU	CONCRETE MASONRY UNIT
COAX	COAXIAL
CODEC	ENCODER / DECODER
COMM	COMMUNICATIONS
CONF	CONFERENCE
CONT'D	CONTINUED
CP	CONTROL PANEL
CPU	CENTRAL PROCESSING UNIT
CT	CABLE TRAY
CTRL	CONTROL
CU	COPPER
DB	DECIBEL
DED	DEDICATED
DEMO	DEMOLITION
DIA	DIAMETER
DIAG	DIAGONAL
DIG	DIGITAL
DIM	DIMENSION
DISP	DISPLAY
DIST	DISTRIBUTION
DOR	DESIGNER OF RECORD
DWG	DRAWING
EA	EACH
EC	ELECTRICAL CONTRACTOR
EGC	EQUIPMENT GROUNDING CONDUCTOR
ELEC, ELECT	ELECTRICAL
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
ENCL	ENCLOSURE
ENT	ELECTRICAL NON-METALLIC TUBING
EOR	ENGINEER OF RECORD
EPTZ	ELECTRONIC PAN-TILT-ZOOM
EQ	EQUAL, EQUIVALENT
EQUIP	EQUIPMENT
ER	EQUIPMENT RACK
ESS	ELECTRONIC SECURITY SYSTEM(S)
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FB	FLOOR BOX
FC	FERRULE CONNECTOR (FIBER-OPTIC TERMINATION)
FF	FINISHED FLOOR
FF&E	FURNITURE, FIXTURES & EQUIPMENT
FIXT	FIXTURE
FLR	FLOOR
FMC	FLEXIBLE METAL CONDUIT
FO	FIBER OPTIC
FP	FLAT PANEL VIDEO MONITOR
FPS	FRAMES PER SECOND
FT	FOOT, FEET
FTP	FOILED TWISTED PAIR CABLE
G, GND	GROUND
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GRC	GALVANIZED RIGID CONDUIT (A TYPE OF "RMC")
GUI	GRAPHICAL USER INTERFACE
GYP	GYPSUM
HDD	HARD DISK DRIVE
HDMI	HIGH-DEFINITION MULTIMEDIA INTERFACE
HDPE	HIGH-DENSITY POLYETHYLENE CONDUIT
HDR	HIGH DYNAMIC RANGE
HF	HIGH FREQUENCY
HH	HAND HOLE (IN-GRADE PULL BOX)
HORIZ	HORIZONTAL
HZ	HERTZ
I/O	INPUT / OUTPUT
IBC	INTERNATIONAL BUILDING CODE
IC	INTERCOM
ICT	INFORMATION AND COMMUNICATIONS TECHNOLOGY
ID	INSIDE DIAMETER
IDF	INTERMEDIATE DISTRIBUTION FRAME
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
IN	INCH, INCHES
INCL	INCLUDE, INCLUDED
IP	INTERNET PROTOCOL
IR	INFRARED
IT	INFORMATION TECHNOLOGY
J, JB, J-BOX	JUNCTION BOX
KO	KNOCK-OUT
KP	KEYPAD
KVM	KEYBOARD-VIDEO-MOUSE
KYBD	KEYBOARD
LAN	LOCAL AREA NETWORK
LB, LBS	POUNDS (SAME AS "#")
LC	LATCHING CONNECTOR (FIBER OPTIC TERMINATION)
LCD	LIQUID CRYSTAL DISPLAY
LED	LIGHT EMITTING DIODE
LF	LOW FREQUENCY
LFMC	LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT
LFNC	LIQUID-TIGHT FLEXIBLE NON-METALLIC CONDUIT
LT	LIQUID TIGHT
LTG	LIGHTING
LV	LOW-VOLTAGE
MAX	MAXIMUM
MDF	MAIN DISTRIBUTION FRAME
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MM	MULTIMODE (OPTICAL FIBER)
MNS	MASS NOTIFICATION SYSTEM
MOD	MODIFIED
MON	MONITOR
MTD	MOUNTED
MTG	MOUNTING
MTR	MAIN TELECOM ROOM
NAS	NETWORK ATTACHED STORAGE
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NOM	NOMINAL
NRTL	NATIONALLY-RECOGNIZED TESTING LABORATORY
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFE	OWNER FURNISHED EQUIPMENT
OFOI	OWNER FURNISHED, OWNER INSTALLED
OH	OVERHEAD
OSP	OUTSIDE PLANT
PA	PUBLIC ADDRESS
PB	PULL BOX
PBB	PRIMARY BONDING BUSBAR
PC	PERSONAL COMPUTER
PDU	POWER DISTRIBUTION UNIT
PE	PROFESSIONAL ENGINEER
PIR	PASSIVE INFRARED
PLYWD	PLYWOOD
PNL	PANEL
POE	POWER OVER ETHERNET
POS	POINT OF SALE
PR	PAIR
PTZ	PAN-TILT-ZOOM
PVC	POLYVINYL CHLORIDE
PWR	POWER
QTY	QUANTITY
RAF	RAISED ACCESS FLOORING
RBB	RACK BONDING BUSBAR
RBC	RACK BONDING CONDUCTOR
RCP	REFLECTED CEILING PLAN
RCPT	RECEPTACLE
RE, REF	REFER (TO) OR REFERENCE
REQ	REQUIRED
RF	RADIO FREQUENCY
RGB	RED-GREEN-BLUE
RIO	ROUGH-IN ONLY
RM	ROOM
RMC	RIGID METAL CONDUIT
RU	RACK UNIT(S)
RX	RECEIVER
SC	SUBSCRIBER CONNECTOR (FIBER-OPTIC TERMINATION)
SCC	STRUCTURED CABLING CONTRACTOR
SCHED	SCHEDULE
SCRN	SCREEN
SCS	STRUCTURED CABLING SYSTEM
SIM	SIMILAR
SM	SINGLEMODE (OPTICAL FIBER)
SPD	SURGE PROTECTIVE DEVICE
SPECS	SPECIFICATIONS
SST	STAINLESS STEEL
ST	STRAIGHT TERMINUS CONNECTOR (FIBER OPTIC TERMINATION)
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STP	SHIELDED TWISTED PAIR CABLE
STR	STRAND
STRUCT	STRUCTURAL
TBD	TO BE DETERMINED
TCP/IP	TRANSMISSION CONTROL PROTOCOL / INTERNET PROTOCOL
TELECOM	TELECOMMUNICATIONS
TIA	TELECOMMUNICATIONS INDUSTRY ASSOCIATION
TP	TOUCH PANEL
TR	TELECOMMUNICATIONS ROOM
TV	TELEVISION
TX	TRANSMITTER
TYP	TYPICAL
UC	UNDER COUNTER
UDP	USER DATAGRAM PROTOCOL
UG	UNDERGROUND
UI	USER INTERFACE
UL	UNDERWRITERS LABORATORIES
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
USB	UNIVERSAL SERIAL BUS
UTP	UNSHIELDED TWISTED PAIR CABLE
V	VOLT(S)
VA	VOLT-AMP(S)
VAC	VOLTS ALTERNATING CURRENT
VDC	VOLTS DIRECT CURRENT
VERT	VERTICAL
VIF	VERIFY IN FIELD
VOIP	VOICE OVER INTERNET PROTOCOL
VR	VANDAL RESISTANT
W	WATT(S)
WL	WIRELESS
WLAN	WIRELESS LOCAL AREA NETWORK
WP	WEATHERPROOF

GENERAL DRAWING SYMBOLS



RACEWAY SYMBOLS & LINETYPES



Sheet List (All)

Sheet Number	Sheet Name
TA001	TECHNOLOGY SYSTEMS GENERAL NOTES
TA002	AV SYSTEMS NOTES AND SYMBOLS
TA101	AV SYSTEMS OVERALL FLOOR PLAN
TA102	AV SYSTEMS OVERALL RCP
TA401	AV SYSTEMS ENLARGED FLOOR PLAN
TA402	AV SYSTEMS ENLARGED FLOOR PLAN
TA403	AV SYSTEMS ENLARGED RCP
TA501	AV SYSTEM DETAILS
TA502	AV SYSTEM DETAILS
TA701	AV SYSTEMS ONE LINE DIAGRAMS
TA702	AV SYSTEMS ONE LINE DIAGRAMS

TECHNOLOGY SYSTEMS GENERAL NOTES:

1. ADHERE TO ALL BUILDING OWNER RULES AND REGULATIONS, DIVISION 16 SPECIFICATION SECTIONS, AND DRAWINGS AND GENERAL PROVISIONS OF THE CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND DIVISION 01 SPECIFICATION SECTIONS.
2. DEFINITIONS:
   A. "FURNISH" AND "PROCURE" MEAN TO "SUPPLY" (ACQUIRE, DELIVER TO FINAL INTENDED LOCATION AT PROJECT SITE, UNPACKAGE AND INSPECT).
   B. "INSTALL" MEANS TO SET/FASTEN PERMANENTLY IN PLACE, CONNECT TO OTHER INTENDED COMPONENTS/CABLING, PLACE IN FULL OPERATIONAL ORDER, CONFIGURE SETTINGS TO MEET PERFORMANCE REQUIREMENTS, AND PERFORM ALL REQUIRED VERIFICATION TESTING.
   C. "PROVIDE" MEANS TO "FURNISH AND INSTALL."
   D. "EQUIVALENT" MEANS "MEETS THE SPECIFICATIONS OF THE REFERENCE PRODUCT OR ITEM IN ALL SIGNIFICANT ASPECTS."
   E. "WORK BY OTHER(S) (CONTRACTOR):" "RE: DIVISION XX," AND SIMILAR EXPRESSIONS MEAN WORK TO BE PERFORMED UNDER THE CONTRACT DOCUMENTS, BUT NOT NECESSARILY UNDER THE DIVISION OR SECTION OF THE WORK ON WHICH THE NOTE APPEARS. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO COORDINATE THE WORK OF THE CONTRACT BETWEEN THEIR SUPPLIERS, SUBCONTRACTORS, AND OTHER TRADE PARTNERS. IF CLARIFICATION IS REQUIRED, CONSULT WITH THE CONTRACT ADMINISTRATOR/OFFICER.
3. ROOM DIMENSIONS ON THESE DRAWINGS HAVE BEEN TAKEN FROM ARCHITECTURAL DRAWINGS. ALL DIMENSIONS MUST BE VERIFIED IN-PERSON AT THE PROJECT SITE PRIOR TO INSTALLATION. DEVIATIONS CAUSING CHANGES EXCEEDING 3 IN. MUST RECEIVE WRITTEN PRIOR APPROVAL BY THE CONTRACT ADMINISTRATOR/OFFICER, WITH THE BACKING OF THE APPROPRIATE ARCHITECT/ENGINEER-OF-RECORD ENTITY.
4. WHERE EXACT DIMENSIONS ARE NOT CALLED FOR, THE SCALE OF THESE DRAWINGS IS SUFFICIENTLY ACCURATE TO DETERMINE THE LOCATION OF EQUIPMENT, JUNCTION BOXES, OUTLET BOXES, WIREWAYS, PANELS, ETC (EXCEPT WHERE INDICATED AS "NOT TO SCALE" OR "NO SCALE"). WHERE EXACT DIMENSIONS ARE CALLED FOR, THE REFERENCE SURFACE WILL BE THE FINAL FINISHED SURFACE UON.
5. ENSURE ALL CABLING IS RATED FOR THE ACTUAL ENVIRONMENTAL INSTALLATION CONDITIONS (E.G., PLENUM, OUTDOOR, OR INDOOR/OUTDOOR RATED),
6. ALL TECHNOLOGY CABLING MUST BE FULLY SUPPORTED BY DEDICATED PATHWAYS / RACEWAYS SPECIFICALLY PROVIDED FOR THAT PURPOSE FOR THE ENTIRE DISTANCE. NO CABLING MAY BE RUN UNSUPPORTED OR LAID OVER CEILING TILES, ELECTRICAL CONDUITS, HVAC DUCTS, PIPING, OR OTHER SUPPORTS OR CEILING MEMBERS NOT INTENDED FOR THAT PURPOSE.
7. COORDINATE LOCATIONS AND MOUNTING CONDITIONS WITH OTHER TRADES. ADJUST AND ADAPT WORK AS REQUIRED BY ACTUAL PROJECT CONDITIONS SO FINAL INSTALLATION IS COMPATIBLE WITH MATERIALS, EQUIPMENT, ROUTING, AND CLEARANCES OF ALL TRADES.
   A. EXAMINE THE CONTRACT DOCUMENTS OF ALL TRADES (DRAWINGS FOR THE ARCHITECTURAL, REFLECTED CEILING, MECHANICAL HVAC, ELECTRICAL POWER AND LIGHTING, FIRE PROTECTION, PLUMBING, ETC.).
   B. ASSIST OTHER CONTRACTORS IN PREPARING SHOP DRAWINGS FOR COORDINATING INSTALLATION OF ALL WORK (LOCATION, CEILING CLEARANCES, CABLE TRAY ACCESSIBILITY AND PATHWAY CLEARANCES THROUGHOUT, ETC.).
   C. REFER TO ARCHITECTURAL DRAWINGS FOR MINIMUM CLEARANCE REQUIREMENTS FROM FINISHED FLOOR TO BOTTOM OF DUCTWORK, CONDUIT, CABLE TRAY, LIGHTING, ETC.
8. THE DIVISION 16 ELECTRICAL CONTRACTOR MUST PROVIDE ALL PATHWAYS / RACEWAYS FOR TECHNOLOGY CABLING SYSTEMS. THIS INCLUDES, BUT IS NOT LIMITED TO, CONDUIT, SLEEVES, STUB-UPS, CABLE TRAY, WIREWAYS, AND PERMANENTLY INSTALLED JUNCTION BOXES IN FLOORS, WALLS, AND CEILINGS. POWER RECEPTACLES AND WIRING MUST BE PROVIDED AS SHOWN ON THE ELECTRICAL DRAWINGS INCLUDING RECEPTACLES INSTALLED WITHIN RECESSED IN-WALL BACK BOXES, FLOOR BOXES AND POKE-THROUGH ASSEMBLIES FOR TECHNOLOGY SYSTEMS.
9. ALL EQUIPMENT, CABLING, PATHWAYS, ETC. MUST BE BONDED TO THE TELECOM BONDING AND GROUNDING SYSTEM FOR CONNECTION TO BUILDING GROUND IN ACCORDANCE WITH THE SPECIFICATIONS AND ANSI J-STD-607-D. PROVIDE GROUND CONDUCTORS, GROUND CLAMPS, COMPRESSION TAPS, LUGS, ETC. AS REQUIRED FOR CONNECTION TO THE BONDING AND GROUNDING SYSTEM.
10. FOR WALL-MOUNTED TECHNOLOGY DEVICES, PROVIDE FLUSH MOUNTED BACK BOXES AND EXTENSION RINGS WITH TOTAL DEPTH AS REQUIRED TO MATCH THICKNESS OF COMPLETE WALL AND INSULATION ASSEMBLY. PROVIDE CONDUIT FROM THE BACK BOX STUBBED TO NEAREST ACCESSIBLE CEILING SPACE UNLESS OTHERWISE NOTED.
11. DEVICE OUTLETS SHALL BE MOUNTED VERTICALLY UNLESS OTHERWISE NOTED.
12. ALL CONDUITS FOR TECHNOLOGY SYSTEMS MUST BE OF NON-FLEXIBLE, RIGID-WALLED CONSTRUCTION, AND BE A MINIMUM 1 IN. TRADE SIZE, UNLESS OTHERWISE NOTED.
13. COORDINATE WITH OTHER TRADES PRIOR TO COMMENCING ROUGH-IN WORK FOR CONDUIT AND BACK BOX LOCATIONS IN PRECAST WALLS, POURED CONCRETE, MASONRY, ETC.
14. COORDINATE WITH ARCHITECT AND OWNER FOR MOUNTING HEIGHTS OF ALL TECHNOLOGY DEVICE OUTLETS. WALL MOUNTED TECHNOLOGY OUTLET BACK BOXES MUST TYPICALLY BE MOUNTED AT +18 IN. AND MUST MATCH THE STANDARD MOUNTING HEIGHT FOR POWER RECEPTACLES. DEVICES SHOWN AT +44 IN. AFF MUST MATCH THE STANDARD MOUNTING HEIGHT FOR LIGHT SWITCHES, ETC. MOUNTING HEIGHTS SHOWN ON ARCHITECTURAL ELEVATIONS MUST GOVERN OVER THOSE SHOWN HEREIN.
15. OUTLET MOUNTING HEIGHTS INDICATED ARE TYPICAL TO CENTERLINE OF BOX UNLESS OTHERWISE NOTED.
16. PROVIDE COMPLETE PATHWAY SYSTEMS FOR TECHNOLOGY CABLING TO HOMERUN FROM THE OUTLETS TO THE TELECOM ROOM OR CABINET DESIGNATED ON THE DRAWINGS. PATHWAYS MUST BE ROUTED TO MINIMIZE UNNECESSARY CABLE LENGTHS AND MAINTAIN INDUSTRY STANDARD LENGTH LIMITATIONS FOR HORIZONTAL STRUCTURED CABLE DISTRIBUTION. NO HORIZONTAL CABLE LENGTH (BASIC LINK) MAY EXCEED 90 METERS (295 FEET) UNLESS SPECIFICALLY ALLOWED.
17. PATHWAY MOUNTING HEIGHTS INDICATED ON PLANS ARE TO THE BOTTOM OF THE PATHWAY SUPPORTS (STRUT CHANNEL TRAPEZE, ANGLE SUPPORT, CONDUIT CLAMP, ETC).
18. PROVIDE SEISMIC BRACING FOR ALL TECHNOLOGY PATHWAYS AND EQUIPMENT AS REQUIRED BY CODE, LOCAL GOVERNING JURISDICTIONS, AND MANUFACTURERS' SPECIFICATIONS. CONSULT THE CODE DATA SHEET WITHIN DRAWING PACKAGE TO VERIFY THE PROJECT'S SEISMIC DESIGN CATEGORY AND CLASSIFICATION.
20. TECHNOLOGY PATHWAY SYSTEMS MUST BE DEDICATED FOR TECHNOLOGY SYSTEMS CABLING ONLY. ALL OTHER SYSTEMS INCLUDING, BUT NOT LIMITED TO, FIRE ALARM, HVAC CONTROLS, LIGHTING CONTROLS, ETC. MUST BE SUPPORTED BY OTHER MEANS AND MUST NOT BE ROUTED WITHIN THE TECHNOLOGY SYSTEMS PATHWAYS.
21. CABLES FOR DIFFERENT LOW VOLTAGE SYSTEMS (70V SPEAKER, BMS, ETC.) MUST NOT BE RUN IN THE SAME CONDUIT WITH HORIZONTAL OR BACKBONE COPPER UTP OR FIBER-OPTIC CABLING, UNLESS SPECIFICALLY NOTED ON THESE DRAWINGS.
22. J-HOOKS MAY ONLY BE USED IN ACCESSIBLE CEILING SPACES WHERE CABLING IS NOT VISIBLE. PROVIDE DEDICATED J-HOOKS SPACED NO GREATER THAN 48 IN. ON-CENTER.
23. PROVIDE CONDUITS / SLEEVES THROUGH WALLS AND ACROSS INACCESSIBLE CEILING SPACES TO ENSURE UNOBSTRUCTED PATHWAY FROM OUTLETS TO THE SERVING TELECOM ROOM OR CABINET. PATHWAY ROUTE MAY INCLUDE CABLE TRAY OR J-HOOK THROUGH ACCESSIBLE CEILING SPACES.
24. TECHNOLOGY PATHWAYS ROUTED THROUGH ELECTRICAL ROOMS MUST BE PHYSICALLY CONTINUOUS AND BONDED TO TELECOM BONDING AND GROUNDING SYSTEM. ENCLOSE ANY CABLE TRAY ROUTED THROUGH ELECTRICAL ROOMS OR WITHIN PROXIMITY OF INTERFERING ELECTRICAL SOURCES, USING SOLID BOTTOM TROUGH WITH REMOVABLE COVERS.
25. PROVIDE NEMA 3R CORROSION RESISTANT OUTLETS, CONDUITS AND WIRING METHODS THROUGHOUT SPACES EXPOSED TO WET CONDITIONS.
26. IN AREAS WHERE CORROSIVE CHEMICALS ARE PRESENT (EG, INDOOR POOLS, SPAS, WATER TREATMENT/PUMP ROOMS, ETC), PROVIDE NEMA 4X OR NEMA 12 FULLY-SEALED/GASKETED CORROSION-RESISTANT ENCLOSURES, OUTLET COVERS, CONDUITS AND WIRING METHODS, USING STAINLESS STEEL FINISHES WHEN AVAILABLE.
27. INSTALL PATHWAYS PARALLEL OR PERPENDICULAR TO WALL OR STRUCTURAL MEMBERS TO FOLLOW STRUCTURAL SURFACE CONTOURS AND DO NOT OBSTRUCT PASSAGEWAYS. WHERE MULTIPLE RACEWAYS ARE ROUTED THROUGH THE SAME AREA, GROUP SUCH RACEWAYS TOGETHER NEATLY.
28. PROVIDE PATHWAY INFRASTRUCTURE WITH NO LESS THAN 25% SPARE CAPACITY ABOVE THE NEC MINIMUM FILL RATIOS INDICATED IN NEC (NFPA 70) CHAPTER 9, TABLE 1.
29. INSTALL CONDUIT WITH LARGE RADIUS BENDS. THE RATIOS FOR MINIMUM BEND RADIUS TO CONDUIT DIAMETER ARE:
   A. 6:1 BEND RADIUS OF THE INSIDE CONDUIT DIAMETER FOR CONDUIT SIZES LESS THAN 2 IN.
   B. 10:1 BEND RADIUS OF THE INSIDE CONDUIT DIAMETER FOR CONDUIT SIZES EQUAL TO OR GREATER THAN 2 IN.
30. CONDUIT ROUTING MUST NOT EXCEED 180 DEGREES FOR THE SUM OF ALL ELBOWS, SWEEPS AND BENDS FOR A PARTICULAR CONDUIT RUN WITHOUT AN APPROVED PULL-BOX, HAND HOLE, OR VAULT. THE MAXIMUM BEND FOR ANY LOCATION MUST NOT EXCEED 90 DEGREES. 3-POINT SADDLE BENDS ARE NOT PERMITTED IN CONDUIT ROUTES.
31. INSIDE CONDUIT RUNS MUST NOT EXCEED 100 FT. BETWEEN PULL POINTS WITHOUT AN APPROVED PULL-BOX.
32. PROVIDE PULL-BOXES AND HAND HOLES IN STRAIGHT SECTIONS OF CONDUIT ONLY. DO NOT USE PULL-BOXES OR HAND HOLES TO CHANGE PATHWAY DIRECTION, UNLESS SPECIFICALLY SHOWN WITH A CHANGE IN DIRECTION ON THE DRAWINGS.
33. CONDUIT OUTLET BODIES (I.E., CONDULET, C, LB, LL, LR, T), MUST NOT BE USED AS CABLE PULL POINTS OR TO CHANGE PATHWAY DIRECTION IN ANY LOCATIONS. SPECIALTY "SMART LB" CONDUIT OUTLET BODIES DESIGNED FOR LARGE-BEND RADIUS CABLE ENTRY THROUGH EXTERIOR WALLS MAY BE PERMITTED ONLY WHEN SPECIFICALLY INDICATED ON PLANS OR PRE-APPROVED IN WRITING.
34. PROVIDE PROTECTIVE BUSHINGS ON CONDUIT ENDS INCLUDING RISER CONDUITS/SLEEVES, HORIZONTAL CONDUITS, DEVICE CONDUITS, AND SLEEVES. ALL CONDUIT PATHWAYS MUST BE PROVIDED WITH NYLON BUSHINGS TO PROTECT CABLES, REGARDLESS OF WHETHER THEY TERMINATE IN A DEVICE OR JUNCTION BOX.
35. PROVIDE NRTL-LISTED EXPANSION FITTINGS IN CONDUIT OR RACEWAY CROSSING BUILDING EXPANSION JOINTS. REFERENCE ARCHITECTURAL DRAWINGS FOR EXPANSION JOINT LOCATIONS.
36. PROVIDE EMPTY RACEWAY SYSTEMS WITH A PULL LINE OR TAPE INSTALLED WITH 3 FEET EXTENDING FROM EACH END, KNOTTED AND SECURED TO REMAIN IN PLACE. FOR INDOOR APPLICATIONS, USE PULL LINE HAVING NOT LESS THAN 200 LB. TENSILE STRENGTH. FOR OUTDOOR APPLICATIONS USE PULL TAPE OR WIRE HAVING NOT LESS THAN 1200-LB. TENSILE STRENGTH.
37. SEAL PENETRATIONS THROUGH RATED ASSEMBLIES (WALLS, FLOORS, ETC.) AS INDICATED ON ARCHITECTURAL DRAWINGS TO MAINTAIN THE ASSEMBLY RATING AROUND AND WITHIN THE PATHWAY.
38. PROVIDE APPROVED FIRESTOPPING SYSTEMS TO SEAL ALL PENETRATIONS THROUGH RATED WALLS, FLOORS, ASSEMBLIES AND CONDUIT/SLEEVE OPENINGS FOR TECHNOLOGY SYSTEMS AND CABLING, INCLUDING EMPTY PATHWAYS. WHEN CABLE INSTALLATION IS COMPLETE. FIRESTOPPING SYSTEMS AND MATERIALS MUST BE RATED AND APPROVED FOR PREVENTION OF FLAMES, HOT GASSES AND SMOKE WHEN SUBJECTED TO THE REQUIREMENTS OF THE TEST STANDARD SPECIFIC FOR APPLICABLE CODES AND AHJ REQUIREMENTS.
39. FOR ALL BACK BOXES INSTALLED IN ACOUSTICALLY RATED PARTITIONS AS INDICATED ON ARCHITECTURAL DRAWINGS: MAINTAIN A MINIMUM OF 12 INCHES SEPARATION BETWEEN OUTLETS ON OPPOSITE SIDES OF PARTITION. PROVIDE ACOUSTICAL OUTLET BACKER PUTTY (AS MANUFACTURED BY KINETICS NOISE CONTROL, OR EQUAL). PUTTY PADS SHALL MAINTAIN ACOUSTICAL RATINGS PER ASTM C 919 AND ASTM E 497, AND BE TESTED TO UL 263 (ASTM E119) AND UL 1479 (ASTM E814) STANDARDS.
40. FUTURE WORK. THE DRAWINGS AND SPECIFICATIONS MAY INDICATE SOME WORK WHICH IS TO BE PROVIDED UNDER THIS SCOPE OF WORK BUT WHOSE TIMING MAY BE DIFFERENT THAN THE REST OF THE WORK. THIS WORK GENERALLY FACILITATES THE INSTALLATION OF "TENANT FINISH" WORK OR FOOD SERVICE WORK. IT IS WITHIN THIS DIVISION'S SCOPE OF WORK TO COORDINATE THIS WORK WITH THE WORK OF THE CONTRACTOR PROVIDING THE FUTURE SCOPE OF WORK.
41. DATA GIVEN ON THE DRAWINGS IS AS EXACT AS COULD BE SECURED. ABSOLUTE ACCURACY IS NOT GUARANTEED. THE DRAWINGS ARE DIAGRAMMATICAL IN NATURE AND SHALL NOT BE SCALED.
42. PATHWAY ROUTING ON THESE DRAWINGS PRIMARILY SHOWS INTERCONNECTIONS BETWEEN TERMINAL POINTS. THE DIVISION 16 ELECTRICAL CONTRACTOR MUST COORDINATE THE EXACT ROUTING OF PATHWAYS BASED ON FIELD CONDITIONS AND MUST COORDINATE PROPOSED ROUTES WITH THE TECHNOLOGY SYSTEMS CABLING CONTRACTOR(S) TO ENSURE BOTH PARTIES ARE IN AGREEMENT PRIOR TO SUBMITTING SHOP DRAWINGS OR INITIATING WORK IN THE FIELD. SHOP DRAWINGS SHOWING ROUTING OF THESE PATHWAYS MUST BE SUBMITTED AS SPECIFIED IN DIVISION 16 AND APPROVED BY THE ARCHITECT/ENGINEER PRIOR TO INSTALLATION. ANY REMEDIATION TO TECHNOLOGY PATHWAY AND ROUTING TO MEET REQUIREMENTS WILL BE THE TOTAL RESPONSIBILITY OF THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
43. SEQUENCING OF SYSTEMS EQUIPMENT AND PROVISIONING WITHIN THE PROJECT SCOPE MUST BE COORDINATED WITH THE OWNER AND OWNER'S REPRESENTATIVES FOR OWNER FURNISHED SYSTEMS AND EQUIPMENT. THIS INCLUDES, BUT IS NOT LIMITED TO, OWNER'S STAFF AND OWNER'S CONTRACTORS FOR SYSTEMS AND EQUIPMENT.

KAILUA DENVER SEATTLE TUCSON
CENSEO design 808.726.2999
CENSEO AV+Acoustics

REVISIONS

#	Date	Description
A	03/30/26	Addendum 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://SMMH Behavioral Health/21117-SMMH-AV-R24.rvt

SHEET NAME
TECHNOLOGY SYSTEMS GENERAL NOTES

SCALE: NO SCALE

DRAWN BY	CHECKED BY
LCD, ZMC	ZCB

PROJECT NO.
221093-01

SHEET ISSUE DATE
03/30/2026

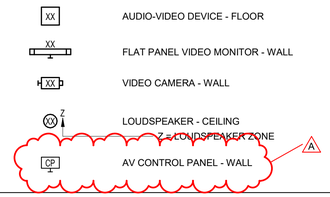
SHEET NO.
TA001

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt
3/30/2026 4:35:05 PM

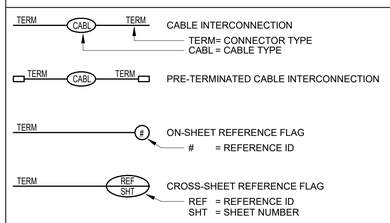
AV SYSTEMS ABBREVIATIONS:

ALS	ASSISTIVE LISTENING SYSTEM
AMP	AMPLIFIER
ATC	AUDIO TELECONFERENCING
AVOIP	AUDIO-VIDEO OVER INTERNET PROTOCOL
BPL	BOTTOM PICTURE LINE
BT	BLUETOOTH
CLA	CENTRAL LISTENING AREA
CSC	CENTER SCREEN CHANNEL
DCI	DIGITAL CINEMA INITIATIVES
DCP	DIGITAL CINEMA PACKAGE
DCSS	DIGITAL CINEMA SYSTEM SPECIFICATION
DSP	DIGITAL SIGNAL PROCESSOR
HD	HAZARD DISTANCE
HDBT	HDBASET
HGA	HALF GAIN ANGLE
HI	HEARING IMPAIRED
ISS	INTER-SPEAKER SPACING
LCR	LEFT/CENTER/RIGHT AUDIO
LFE	LOW FREQUENCY EFFECTS
LR	LEFT/RIGHT (STEREO) AUDIO
LRS	LEFT REAR SURROUND
LSC	LEFT SCREEN CHANNEL
LSS	LEFT SIDE SURROUND
LTS	LEFT TOP SURROUND
MIC	MICROPHONE
PJ, PROJ	PROJECTOR
PS	PROJECTION SCREEN
RLP	REFERENCE LISTENING POSITION
RRS	RIGHT REAR SURROUND
RSC	RIGHT SCREEN CHANNEL
RSD	ROOM STATUS DISPLAY / INDICATOR LIGHT
RSS	RIGHT SIDE SURROUND
RTS	RIGHT TOP SURROUND
S, SPKR	SPEAKER, LOUDSPEAKER
SFP	SMALL FORM-FACTOR PLUGGABLE
SH	SEPARATION HEIGHT
SMPTE	SOCIETY OF MOTION PICTURE AND TELEVISION ENGINEERS
SPL	SOUND PRESSURE LEVEL
SSS	SPEAKER SCREEN SPACING
SWS	SPEAKER WALL SPACING
UST	ULTRA SHORT THROW
VC	VIDEO CAMERA
VCD	VOLUME CONTROL (VOLUME ATTENUATOR) DEVICE
VI	VISUALLY IMPAIRED
VOL	VOLUME
VTC	VIDEO TELECONFERENCING
VW	VIDEO WALL
XCVR	TRANSCEIVER

AV SYSTEMS SYMBOLS



AV ONE-LINE LEGEND



AV SYSTEMS NOTES:

1. THE AV DRAWINGS DESCRIBE BASE-BUILDING ACCOMMODATIONS FOR AV SYSTEMS, INCLUDING ASSOCIATED POWER, DATA, RACEWAY, AND MOUNTING REQUIREMENTS. THESE DRAWINGS PROVIDE COORDINATION INFORMATION FOR OTHER TRADE PARTNERS SUCH AS ARCHITECTURAL, ELECTRICAL, MECHANICAL, AND STRUCTURAL.
2. THE AV SYSTEMS SHOWN IN THESE DOCUMENTS MUST BE PROVIDED AND INSTALLED BY AN AV TRADE CONTRACTOR SPECIALIZING IN THESE SYSTEMS. THE AV CONTRACTOR MUST PROVIDE ALL CABLING, HARDWARE AND EQUIPMENT SHOWN ON THESE DRAWINGS AND AS SPECIFIED WITHIN THE ***DIVISION 16 SPECIFICATIONS SECTION 16810***, EXCEPT WHERE OTHERWISE NOTED.
3. FOR EACH WALL/CEILING-MOUNTED AV EQUIPMENT UNIT, PROVIDE STRUCTURAL SUPPORT THAT IS RATED A MINIMUM OF FIVE TIMES (5X) THE EQUIPMENT'S GROSS INSTALLED WEIGHT (INCLUDING ASSOCIATED HARDWARE AND CABLING) SAFETY FACTOR, DEFINED AS BEING CAPABLE OF SUPPORTING 5 TIMES THE WEIGHT OF THE EQUIPMENT BEING SUPPORTED.
4. AV CONTRACTOR MUST VERIFY, AND PROVIDE, THE NECESSARY COMPLEMENT AND QUANTITIES OF THE FOLLOWING: CABLES, CABLE TERMINATIONS/CONNECTORS, CABLE TERMINATION FACEPLATES/PANELS, STRAIN RELIEFS, BUNDLING/DRESSING MATERIALS, MOUNTING HARDWARE ACCESSORIES, PASSIVE AND ACTIVE VENTILATION HARDWARE/SYSTEMS, AND SOFTWARE LICENSES.
5. PROVIDE LABELS WITH TEXT AT BOTH ENDS OF ALL CABLING IN PROJECT.
6. AV CONTRACTOR MUST PROVIDE ALL CABLING IDENTIFIED IN THE CONTRACT DOCUMENTS THAT IS INTENDED FOR CONNECTION TO AV SYSTEM-RELATED EQUIPMENT, INCLUDING LOOSE/PORTABLE CABLING ASSEMBLIES. THIS REQUIREMENT ALSO APPLIES TO OWNER-FURNISHED (OFCI AND OFOI) EQUIPMENT, UNLESS OTHERWISE INDICATED

A

AV EQUIPMENT AND INFRASTRUCTURE SCHEDULE

AV EQUIPMENT		AV INFRASTRUCTURE				
EQUIPMENT TAG	**EQUIPMENT DESCRIPTION**	**MOUNTING**	**BOX AND RACEWAY ROUGH-IN**	**ELECTRICAL REQUIREMENTS**	**DATA REQUIREMENTS**	**NOTES**
CP1	DISPLAY CONTROL PANEL	FLUSH MOUNTED TO WALL AT STANDARD SWITCH HEIGHT, 42" AFF	4" SQUARE X 2-1/2" DEEP BACK BOX WITH RAISED 1-GANG DEVICE/MUD RING	N/A	N/A	
FB1	AV AND POWER COMBINATION FLOORBOX	IN SLAB	N/A	ONE (1) DUPLEX NEMA 5-20R WITHIN COMBINATION FLOORBOX. FLOORBOX TO HOUSE LOW VOLTAGE EQUIPMENT AS WELL AS POWER RECEPTACLE	N/A	FLOOR BOX MUST BE ABLE TO SUPPORT A FULL SIZED DECORA DEVICE
FP1-65	REGULAR 65" FLATPANEL VIDEO DISPLAY	WALL MOUNTED 48" AFF TO BOTTOM OF DISPLAY	SPECIALTY SURFACE DISPLAY MOUNT TO HOUSE EQUIPMENT BEHIND DISPLAY. ONE 4-1/4" X 2-1/8" DEEP BACK BOX WITH RAISED 1-GANG DEVICE/MUD RING.	ONE (1) DUPLEX NEMA 5-20R MOUNTED BEHIND DISPLAY	PROVIDE TWO (2) NETWORK (BUILDING LAN) DATA DROPS BEHIND DISPLAY	
FP2-65	65" VIDEO DISPLAY IN PROTECTIVE SHROUD	WALL MOUNTED 48" AFF TO BOTTOM OF DISPLAY	SPECIALTY RECESSED AV BACKBOX	PROVIDE TWO (2) DUPLEX NEMA 5-20R MOUNTED WITHIN AV BACK-BOX. SEE DETAIL ON SHEET TA-502 FOR SPECIFIC LOCATION WITHIN BACKBOX	PROVIDE TWO (2) NETWORK (BUILDING LAN) DATA DROPS WITHIN DISPLAY BACK BOX	
FP3-65	65" VIDEO DISPLAY IN PROTECTIVE SHROUD	WALL MOUNTED 48" AFF TO BOTTOM OF DISPLAY	SPECIALTY RECESSED AV BACKBOX	PROVIDE TWO (2) DUPLEX NEMA 5-20R MOUNTED WITHIN AV BACK-BOX. SEE DETAIL ON SHEET TA-502 FOR SPECIFIC LOCATION WITHIN BACKBOX	PROVIDE TWO (2) NETWORK (BUILDING LAN) DATA DROPS WITHIN DISPLAY BACK BOX	
FP4-65	65" VIDEO DISPLAY IN PROTECTIVE SHROUD	WALL MOUNTED 48" AFF TO BOTTOM OF DISPLAY	SPECIALTY RECESSED AV BACKBOX	PROVIDE TWO (2) DUPLEX NEMA 5-20R MOUNTED WITHIN AV BACK-BOX. SEE DETAIL ON SHEET TA-502 FOR SPECIFIC LOCATION WITHIN BACKBOX	PROVIDE TWO (2) NETWORK (BUILDING LAN) DATA DROPS WITHIN DISPLAY BACK BOX	
FP5-65	65" VIDEO DISPLAY IN PROTECTIVE SHROUD	WALL MOUNTED 48" AFF TO BOTTOM OF DISPLAY	SPECIALTY RECESSED AV BACKBOX	PROVIDE TWO (2) DUPLEX NEMA 5-20R MOUNTED WITHIN AV BACK-BOX. SEE DETAIL ON SHEET TA-502 FOR SPECIFIC LOCATION WITHIN BACKBOX	PROVIDE TWO (2) NETWORK (BUILDING LAN) DATA DROPS WITHIN DISPLAY BACK BOX	
FP6-65	65" VIDEO DISPLAY IN PROTECTIVE SHROUD	WALL MOUNTED 48" AFF TO BOTTOM OF DISPLAY	NO AV BACKBOX	ONE (1) DUPLEX NEMA 5-20R MOUNTED BEHIND DISPLAY	PROVIDE TWO (2) NETWORK (BUILDING LAN) DATA DROPS BEHIND DISPLAY	
S1	CEILING SPEAKERS	CEILING RECESSED	N/A	N/A	N/A	
VC1	VTC SOUNDBAR	WALL MOUNTED UNDER DISPLAY	N/A	N/A	N/A	
VC2	VTC SOUNDBAR	MOUNTED ON TOP OF DISPLAY SHROUD	N/A	N/A	N/A	

KAILUA
DENVER
SEATTLE
TUCSON
CENSEO design
808.726.2999
CENSEO
AV+Acoustics

REVISIONS

#	Date	Description
A	03/30/26	Addendum 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

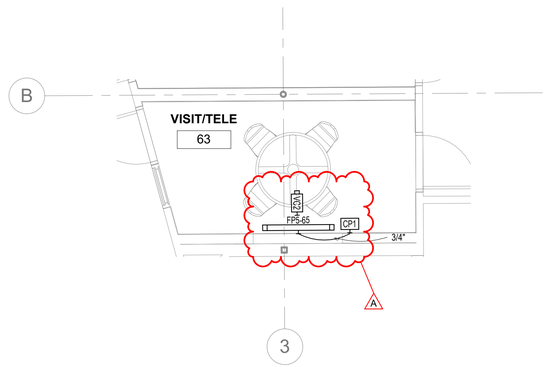
FILENAME
Autodesk Docs://SMMH Behavioral Health/21117-SMMH-AV-R24.rvt

SHEET NAME
AV SYSTEMS NOTES AND SYMBOLS

SCALE: 12" = 1'-0"

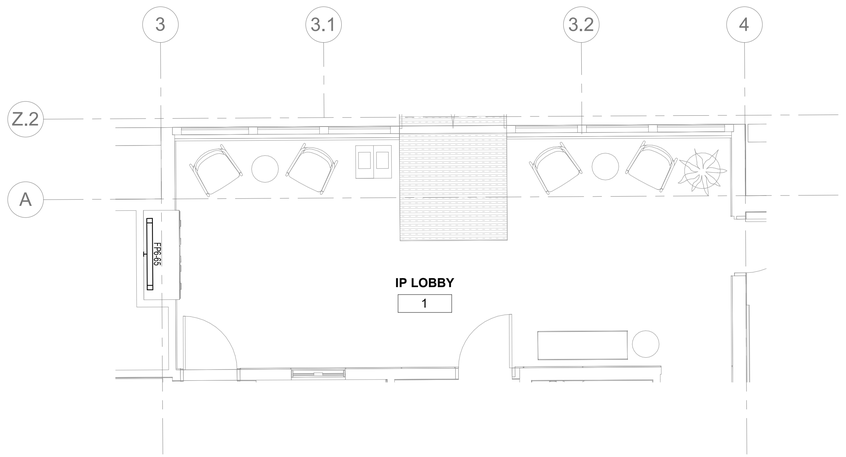
DRAWN BY	CHECKED BY
LCD, ZMC	ZCB
PROJECT NO.	SHEET NO.
221093-01	**TA002**
SHEET ISSUE DATE	
03/30/2026	

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt
3/30/2026 4:35:05 PM



1 VISIT/TELE AV PLAN

1/4" = 1'-0"



2 IP LOBBY AV PLAN

1/4" = 1'-0"

KAILUA
DENVER
SEATTLE
TUCSON
CENSEO design
808.726.2999
CENSEO
AV+Acoustics

REVISIONS

#	Date	Description
A	03/30/26	Addendum 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://SMMH Behavioral Health/21117-SMMH-AV-R24.rvt

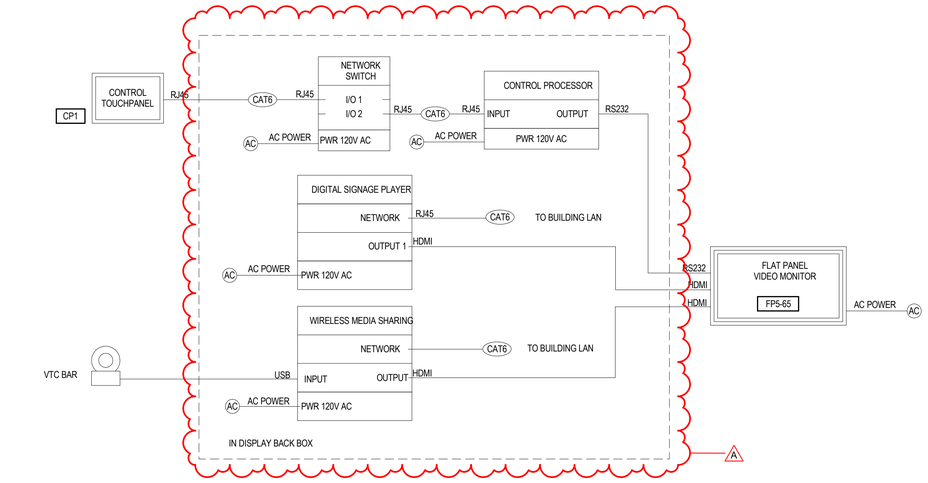
SHEET NAME
AV SYSTEMS ENLARGED FLOOR PLAN

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

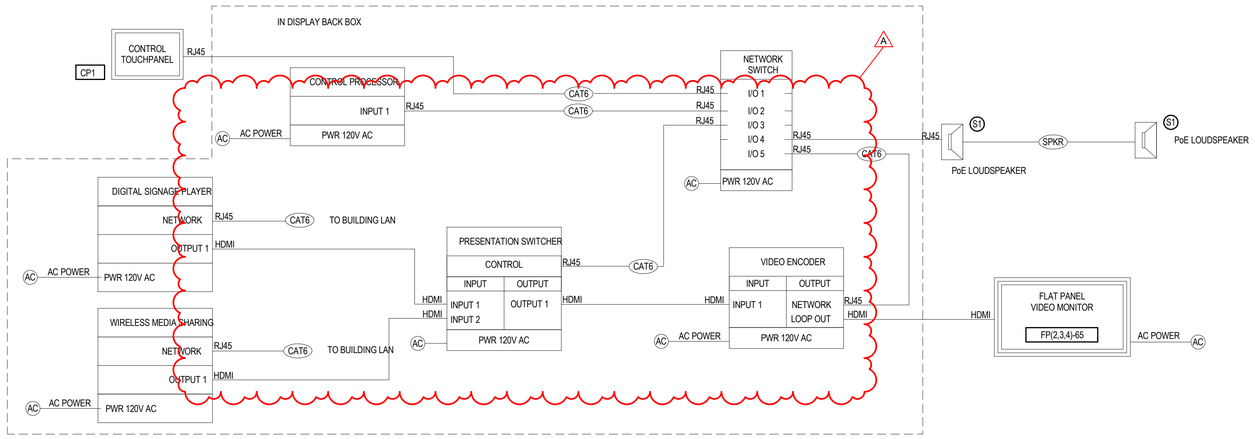
DRAWN BY	CHECKED BY
LCD, ZMC	ZCB
PROJECT NO.	SHEET NO.
221093-01	TA402
SHEET ISSUE DATE	
03/30/2026	

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt

3/30/2026 4:35:10 PM



1 CONSULT AND VIS/TEL AV SYSTEMS ONE-LINE DIAGRAM
NO SCALE



2 DAY ROOM / LARGE THERAPY / CR OBSERVATION AV SYSTEMS ONE-LINE DIAGRAM
NO SCALE

KAILUA
DENVER
SEATTLE
TUCSON
CENSEO design
808.726.2999
CENSEO
AV+Acoustics

REVISIONS

#	Date	Description
A	03/30/26	Addendum 1

ADDENDUM 1 / PERMIT SET
03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

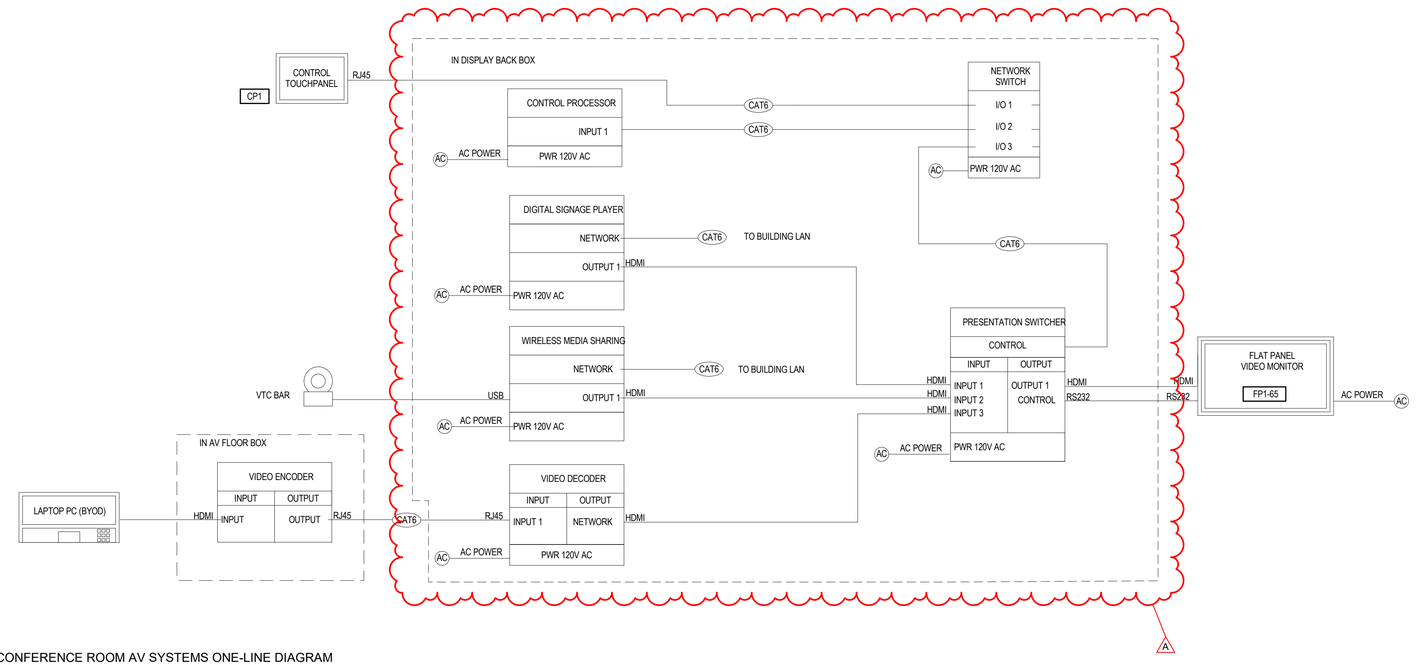
FILENAME
Autodesk Docs://SMMH Behavioral Health/21117-SMMH-AV-R24.rvt

SHEET NAME
AV SYSTEM ONE LINE DIAGRAMS

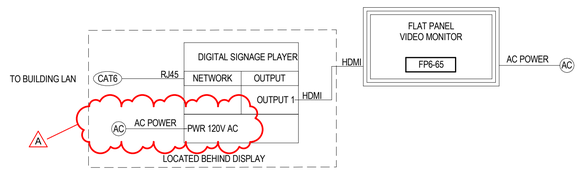
SCALE: NO SCALE

DRAWN BY	CHECKED BY
LCD, ZMC	ZCB
PROJECT NO.	SHEET NO.
221093-01	TA701
SHEET ISSUE DATE	
03/30/2026	

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt
3/30/2026 4:35:12 PM



1 CONFERENCE ROOM AV SYSTEMS ONE-LINE DIAGRAM
NO SCALE



2 LOBBY AV SYSTEMS ONE-LINE DIAGRAM
NO SCALE

KAILUA
DENVER
SEATTLE
TUCSON
CENSEO design
808.726.2999
CENSEO
AV+Acoustics

REVISIONS

#	Date	Description
A	03/30/26	Addendum 1

ADDENDUM 1 / PERMIT SET

03/30/26

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL BEHAVIORAL HEALTH NEW PATIENT FACILITY

TMK#: 4-6-014:113

FILENAME
Autodesk Docs://SMMH Behavioral Health/21117-SMMH-AV-R24.rvt

SHEET NAME
AV SYSTEM ONE LINE DIAGRAMS

SCALE: NO SCALE

DRAWN BY	CHECKED BY
LCD, ZMC	ZCB
PROJECT NO.	SHEET NO.
221093-01	TA702
SHEET ISSUE DATE	
03/30/2026	

Autodesk Docs://221093-01 SMMH BHNPF/SMMH BHNPF_A24_Central.rvt
3/30/2026 4:35:12 PM