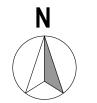


LOCATION PLAN



CONTACT INFORMATION

OWNER:
ESTATES - DEPARTMENT OF PUBLIC LAND & BUILDING
GOVERNMENT OF BERMUDA
30 PARLIAMENT STREET
HAMILTON HM CX

FOR

BERMUDA

MINISTRY OF HEALTH
DEPARTMENT OF HEALTH

ARCHITECT
TIKA GILBERT ARCHITECTS
11 BERMUDIANA ROAD
MAILBOX SUITE 1183
HAMILTON HM08

T: 441-705-2650 E:tgilbert@tga.bm STRUCTURAL ENGINEER
ENTECH LTD
P.O. BOX 2574
HAMILTON HM KX

TEL: 441-292-9192 E: mtavares@entech.bm

ELECTRICAL ENGINEER
ISLAND AUTOMATION LTD
P.O.BOX HM 1930
HAMILTON HM BX
BERMUDA

TEL: 441-505-1888 E: oconnor@logic.bm

MECHANICAL ENGINEER
BAC ENGINEERING
P.O.BOX HM 1095
HAMILTON HM EX
BERMUDA

T: 441-292-0881 E: wlin@bac.bm DENTAL CONSULTANT HENRY SCHEIN 1912 NW 84TH AVE. DORAL FL. 33146 U.S.A

TEL: 954-408-6313
E: Luisa.Castillo@henryschein.com



PROJECT INFORMATION

ADDRESS: 55 MANGROVE BAY ROAD SANDYS MA05

ZONING: RESIDENTIAL 2

LISTING: GRADE II

SITE AREA: 14190.70 SQ.FT

EXISTING SITE COVERAGE: 2249 SQ.FT. (POST OFFICE, NOT PART OF THIS APPLICATION)

1599 SQ. FT. (SOMERSET CLINIC)

PROPOSED SITE COVERAGE: 0 SQ.FT. (POST OFFICE, NOT PART OF THIS APPLICATION)

283 SQ. FT. (SOMERSET CLINIC)

TOTAL SITE COVERAGE: 4131 SQ.FT.

EXISTING FLOOR AREA: 3848 SQ.FT.

PROPOSED FLOOR AREA: 283 SQ. FT.

TOTAL FLOOR COVERAGE: 4131 SQ.FT.

EXISTING ROOF AREA: 3848 SQ.FT.

PROPOSED ROOF AREA: 283 SQ. FT.

TOTAL ROOF COVERAGE: 4131 SQ.FT.

EXISTING TANK CAPACITY: 10,625.6 GALS

PROPOSED TANK CAPACITY: 0 GALS

TOTAL TANK CAPACITY: 10,625.5 GALS

DRAWING INDEX

DRAWING	INDEX
A-000	COVER SHEET & GENERAL INFORMATION
A-200	SITE PLAN - EXISTING/DEMOLITION
A-201	EXISTING/DEMOLITION PLANS
A-202	EXISTING/DEMOLITION - BUILDING ELEVATIONS
A-203	EXISTING/DEMOLITION - BUILDING SECTIONS
A-300	PROPOSED SITE PLAN
A-301	PROPOSED PLANS
A-501	PROPOSED BUILDING ELEVATIONS

A-601 PROPOSED BUILDING SECTIONS A-701 FLOOR FINISHES PLAN

-801 DOOR & WINDOW SCHEDULES
-901 WAITING ROOM - INTERIOR ELEVATIONS

A-902 RECEPTION - INTERIOR ELEVATIONS

JANITOR CLOSET - INTERIOR ELEVATIONS

PATIENT TOILET - INTERIOR ELEVATIONS

A-905 DENTAL OFFICER - INTERIOR ELEVATIONS
A-906 DENTAL LAB - INTERIOR ELEVATIONS

A-907 DENTAL HYGIENE - INTERIOR ELEVATIONS

A-909 IT CLOSET - INTERIOR ELEVATIONS

A-910 INTERVIEW ROOM - INTERIOR ELEVATIONS

A-911 MEDICAL EXAM ROOM - INTERIOR ELEVATIONS

912 ISOLATION/VACCINE ROOM - INTERIOR ELEVATIONS

MEDICAL STORAGE - INTERIOR ELEVATIONS

COMMUNITY HEALTH OFFICE - INTERIOR ELEVATIONS

4 KITCHEN - INTERIOR ELEVATIONS

A-915 OFFICE SUPPLY ROOM

A-916 STAFF TOILET - INTERIOR ELEVATIONS

A-920 FURNITURE, FIXTURE & EQUIPMENT SCHEDULES

STRUCTURAL DRAWINGS

S-101	STRUCTURAL PLANS
S-102	STRUCTURAL SECTIONS & NOTES
S-103	STRUCTURAL DETAILS
S-104	STRUCTURAL DETAILS

ELECTRICAL DRAWINGS

E101	LEGEND, DRAWING LIST & GENERAL NOTES
E201	GROUND FLOOR PLAN LIGHTING
E301	GROUND FLOOR PLAN POWER & SYSTEMS

E401 ELECTRICAL DETAILS

E501 POWER DISTRIBUTION RISER DIAGRAM

MECHANICAL DRAWING

M-000	LEGEND AND EQUIPMENT SCHEDULES
M-100	GROUND FLOOR DRAINAGE
M-101	GROUND FLOOR PLUMBING PLAN
M-200	GROUND FLOOR HVAC PLAN & ROOF MECHANICAL

DENTAL DRAWING

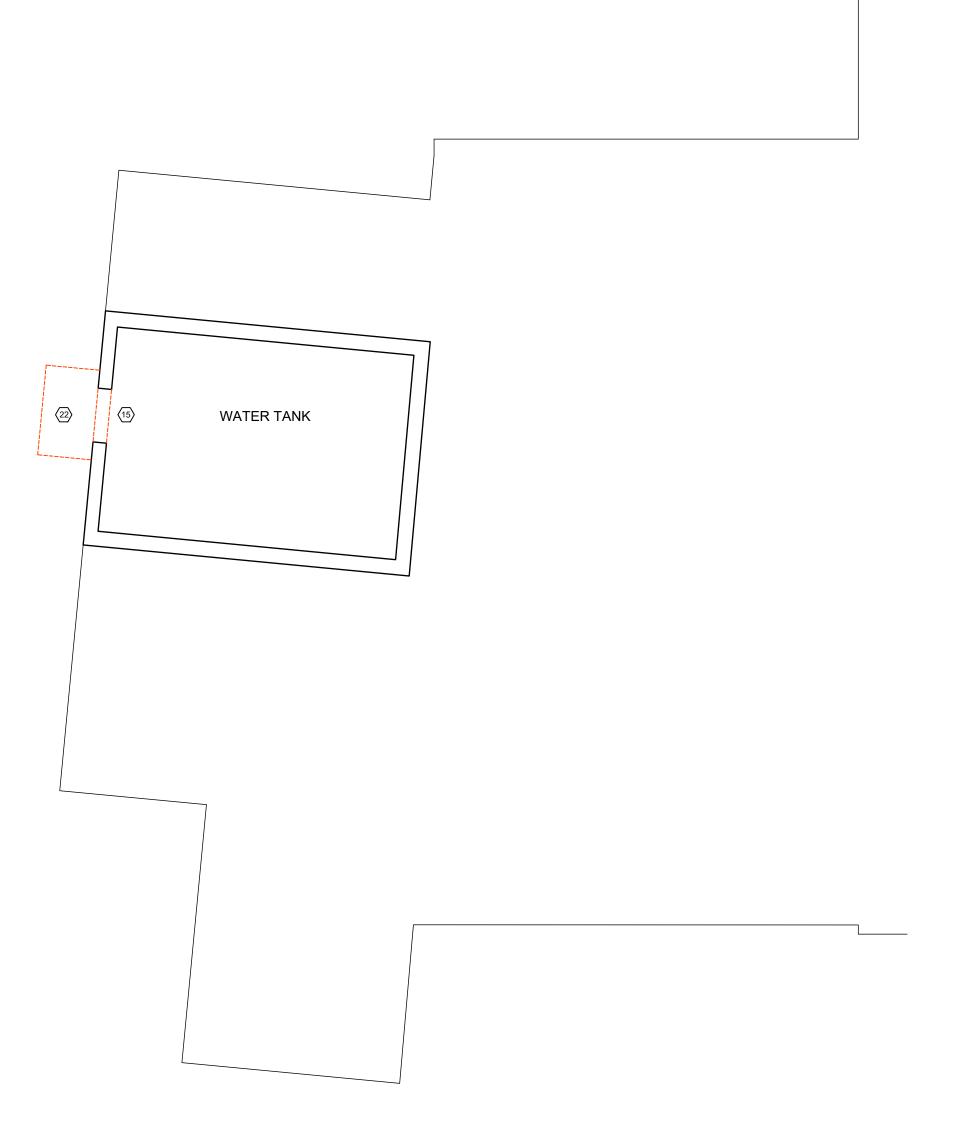
SCV	COVER SHEET
SA.0	FLOOR PLAN
SA.1	REINFORCEMENT PLAN

PLAN

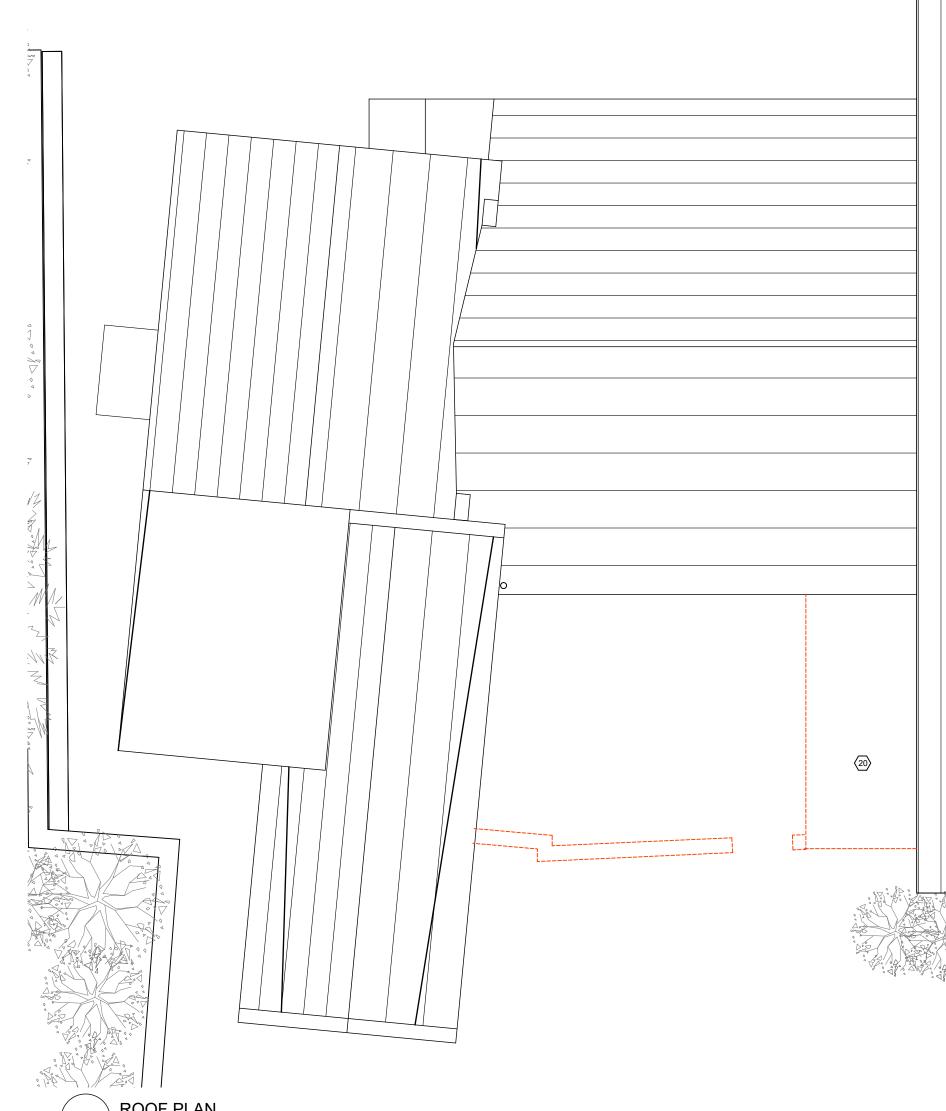
.2 DENTAL VACUUM PLAN

DENTAL PLUMBING PLAN









1 TANK PLAN
SCALE:3/16"=1'-0"

GENERAL DEMOLITION NOTES

THIS DRAWING INDICATES THE EXTENT OF DEMOLITION ONLY AND DOES NOT INDICATE SEQUENCING PROPPING REQUIREMENTS OR TEMPORARY WORKS.

REMOVE ALL MATERIAL AS INDICATED AS REQUIRED TO ALLOW FOR CONSTRUCTION.

CONTRACTOR TO REVIEW WITH OWNER WHETHER ANY ITEMS ARE TO BE SELECTIVELY DEMOLISHED FOR REUSE OTHER THAN THOSE NOTED

THE CONTRACTOR SHALL FIELD VERIFY BURIED SERVICES WITH THE RELEVANT AUTHORITIES BEFORE UNDERTAKING ANY SITE WORK.

PREPARE EXISTING SURFACES FOR NEW APPLIED SURFACES ONCE EXISTING FINISHES HAVE BEEN REMOVED

IF HAZARDOUS MATERIALS ARE ENCOUNTERED DURING DEMOLITION OPERATIONS, COMPLY WITH THE APPLICABLE REGULATIONS, LAWS AND ORDINANCES CONCERNING REMOVAL, HANDLING AND PROTECTION AGAINST EXPOSURE OR ENVIRONMENTAL POLLUTION

THE CONTRACTOR SHALL REMOVE ANY INSPECTION CHAMBERS IF AFTER SITE INSPECTION THEY ARE DETERMINED NOT TO BE

REQUIRED.

ONCE INTERIOR CEILINGS ARE REMOVED, CONTRACTOR
TO ALLOW FOR THE BUILDING TO BE FUMIGATED AND CHECK IF ANY RAFTERS
ARE COMPROMISED

GENERAL PLUMBING DEMOLITION NOTES

THE PLUMBING CONTRACTOR SHALL REMOVE ALL PLUMBING FIXTURES, EQUIPMENT, FLOOR DRAINS AND PIPING AS SHOWN OR INDICATED ON THE DRAWINGS.

ALL PIPING TO BE REMOVED SHALL BE REMOVED COMPLETELY OR AS OTHERWISE SHOWN OR INDICATED ON DRAWINGS. ALL PIPE HANGERS, SHALL BE REMOVED COMPLETELY WITH PIPING. NO EXISTING HANGER SYSTEMS SHALL BE REUSED FOR NEW PIPING.

ALL PIPING TO BE REMOVED SHALL BE REMOVED TO BELOW FLOOR, ABOVE CEILING OR IN WALLS BACK TO MAINS OR SHUT OFF VALVES AND PROPERLY CAPPED PER CODE WITHOUT LEAVING DEAD END PIPING. NO EQUIPMENT OR DEVICES THAT HAVE BEEN DISCONNECTED AND OR ABANDONED SHALL REMAIN.

ALL EXISTING PIPING AND EQUIPMENT SHOWN HAS BEEN TAKEN FROM THE BEST AVAILABLE EXISTING INFORMATION. THE DRAWINGS ARE DIAGRAMMATIC ALL FIXTURES, PIPING AND DEVICES MAY NOT BE SHOWN. THE INTENT OF THESE DRAWINGS IS THAT IN ALL AREAS OD THE RENOVATION THAT THEY ARE REMOVED, WHETHER OR NOT SHOWN.

THE PLUMBING CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE EXISTING SYSTEMS AND CONDITIONS IN AREAS OF RENOVATION.

ANY SYSTEMS OR EQUIPMENT TO REMAIN ACTIVE DURING RENOVATION SHALL BE KEPT IN OPERATION BY PROVIDING TEMPORARY PIPING CONNECTION AS REQUIRED UNTIL NEW SYSTEMS

ARE INSTALLED AND OPERATIONAL.

THE PLUMBING CONTRACTOR SHALL COORDINATE WITH THE OWNER AND OR GENERAL CONTRACTOR ANY AND ALL PHASING OF THE PLUMBING DEMOLITION WORK IN ORDER TO SATISFY THE CONSTRUCTION SCHEDULE AND OWNERS OCCUPANCY REQUIREMENT.

ANY FIXTURE OR EQUIPMENT TO BE REMOVED AND REUSED OR TURNED OVER TO THE OWNER, AT OWNER REQUEST, OR AS INDICATED ON THE DRAWINGS SHALL BE CAREFULLY REMOVED AND STORED TO PREVENT DAMAGE.

THE PLUMBING CONTRACTOR SHALL ALSO REVIEW THE ARCHITECTURAL DEMOLITION DRAWINGS AS PART OF THIS CONTRACT FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

ALL SERVICE INTERRUPTIONS SHALL BE COORDINATED AND APPROVED WITH THE OWNER IN ADVANCE PRIOR TO COMMENCEMENT OF ANY WORK

THE PLUMBING CONTRACTOR SHALL COORDINATE THE DEMOLITION WORK WITH THAT OF OTHER TRADES IN ORDER TO AVOID CONFLICTS.

ELECTRICAL DEMOLITION NOTES

DISCONNECT AND REMOVE ELECTRICAL WHICH WILL INTERFERE WITH THE DEMOLITION AND REMOVAL OF WALLS, FLOORING AND OR CEILING AS DESCRIBED. REMOVE EXISTING WIRING AND CONDUIT BACK TO PANEL AND DISCARD.

DISCONNECT AND REMOVE ALL EXISTING LIGHTS AND LIGHTING CONTROLS IN THIS AREAS AS SHOWN. REMOVE EXISTING LIGHTS AND LIGHTING CONTROLS IN THIS AREAS AS SHOWN. REMOVE EXISTING WIRING AND CONDUIT BACK TO PANEL AND DISCARD UNLESS IT CAN BE REUSED, INSTALL NEW LIGHTS AND LIGHTING CONTROLS AS SHOWN ON PROPOSED ELECTRICAL PLANS. PROVIDE BLANK COVER PLATES FOR EMPTY GANG BOXES.

COORDINATE DISCONNECTION WITH PLUMBING CONTRACTOR. REMOVE WIRING AND CONDUIT BACK TO PANEL IN ITS LOCATION.

DISCONNECT AND REMOVE EXISTING ELECTRICAL CONNECTIONS TO EXISTING ELECTRICAL PANEL THAT IS TO BE RELOCATED. COORDINATE DISCONNECTION WITH EXISTING LOADS. REMOVE EXISTING FEEDER AND BRANCH WIRING AND CONDUIT TO PANEL IN NEW LOCATION AS SHOWN ON NEW ELECTRICAL PLAN.

STRUCTURAL DEMOLITION NOTES

SEE DRAWING A-001 FOR DEMOLITION, EXCAVATION AND EARTHWORK

CONSTRUCTION KEY

EXISTING ITEMS TO BE DEMOLISHED

EXISTING BERMUDA STONE WALLS TO BE RETAINED

A TO BE EXCAVATED

DEMOLITION NOTES

DEMOLISH EXISTING WOOD FLOOR AND SUBFLOOR

2. CAREFULLY REMOVE EXISTING TILE FLOOR MAKE GOOD OF SUBFLOOR TO

RECEIVE NEW FINISH

3. CAREFULLY REMOVE BASEBOARD

ING
CAN

4. REMOVE TANK ACCESS, SEE DRWG A-301 FOR NEW LOCATION

5. REMOVE ALL WALL TILE

6. ALL WALL PAINTING SHALL BE PAINTED OVER

7. REMOVE EXPOSED PLUMBING PIPES, CAPP OFF

8. REMOVE EXISTING SURFACE MOUNTED ELECTRICAL UNITS, CAPP OFF9. WHERE WALLS ARE ARE BEING DEMOLISHED, CAPP OFF ANY PLUMBING PIPES

OR ELECTRICAL LINES RUNNING THROUGH THEM

10. REMOVE ELECTRICAL PANEL BOX, CAP OFF LINES TO BE REWIRED TO NEW LOCATION

11. REMOVE PRIVACY BLINDS AND GUARD RAILING WHEN REMOVING ALL

12. DEMOLISH DOORS AND ASSOCIATED FRAMES

13. DEMOLISH ALL WASHROOM ACCESSORIES

14. REMOVE ALL WALL MOUNTED AIR CONDITIONING UNITS15. DEMOLISH WALL OR PORTION OF WALL

16. REMOVE BASE & WALL CABINETS & ASSOCIATED FIXTURES

17. DEMOLISH T-GRID CEILING AND ASSOCIATED LIGHT FIXTURES AND CEILING UNITS

18. CAREFULLY REMOVE DRYWALL CEILING AND ASSOCIATED LIGHT FIXTURES
AND CEILING UNITS

19. ALL ASSOCIATED FIRE SYSTEMS TO BE REMOVED

20. DEMOLISH ROOF AND ASSOCIATED RAFTERS

23. REMOVE EXISTING SOFT LANDSCAPING

21. CAREFULLY REMOVE EXTERIOR BRICK PAVERS, TO BE REUSED IN NEW LOCATION

22. EXCAVATE PORTION OF GROUND TO RECEIVE NEW TANK ACCESS

TIKA GILBER ABOHITEOT

GENERAL NOTES

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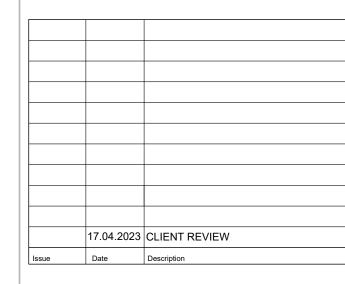
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LIST OF INFORMANTS/CONSULTANTS

ENTECH LTD

ISLAND AUTOMATION
BERMUDA AIR CONDITIONING

HENRY SHEIN



Issue Status

BUILDING CONTROL

DEPARTMENT OF HEALTH

Project

MANGROVE BAY CLINIC RENOVATIONS & ADDITIONS

Project Address

55 MANGROVE BAY SANDYS

Title Sheet

EXISTING/DEMOLITION PLANS

Project No. 2021 15

Date: 23.03.20 Scale: AS NOTED

Drawn:TG Chk'd: TG

Sheet No.:





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DEPARTMENT OF HEALTH

MANGROVE BAY CLINIC RENOVATIONS

Project Address

55 MANGROVE BAY SANDYS

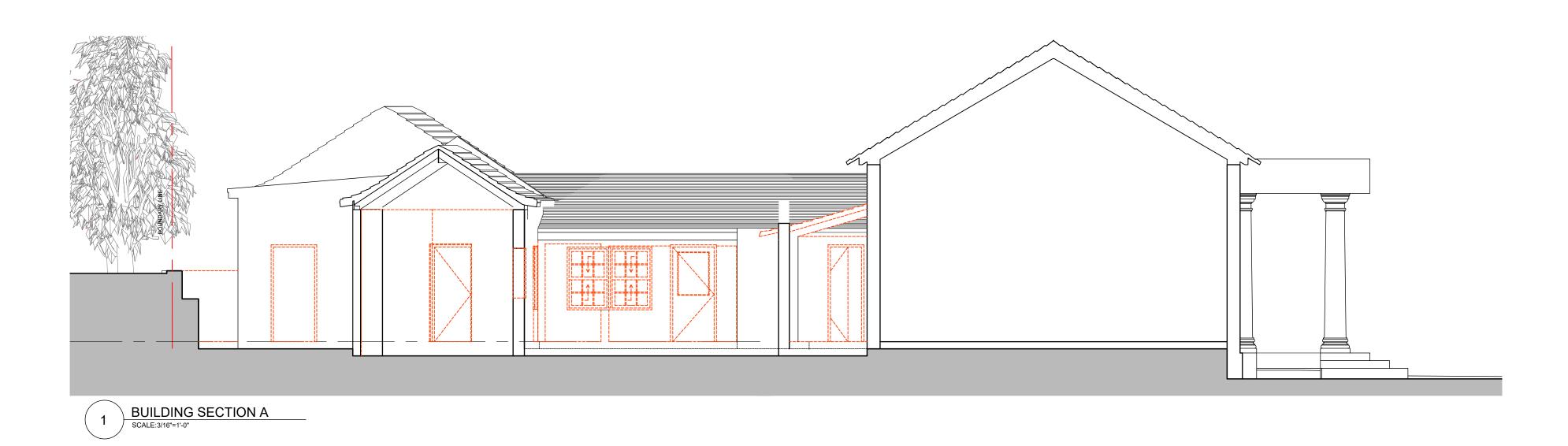
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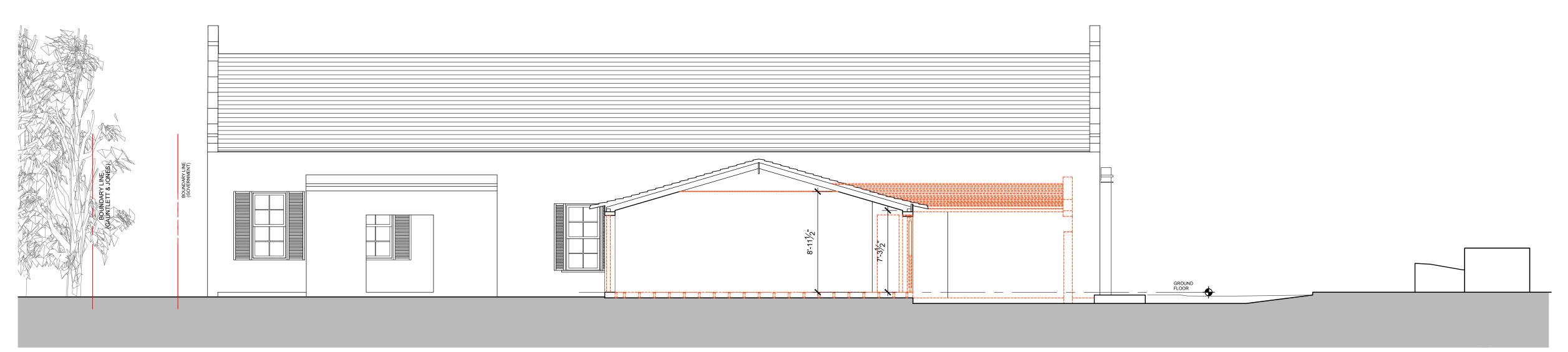
EXISITNG/DEMOLITION **BUILDING ELEVATIONS**

Project No. 2021 15

Date: 23.03.20 Scale: AS NOTED Drawn:TG Chk'd: TG

Sheet No.:





2 BUILDING SECTION B
SCALE:3/16"=1'-0"

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BERMUDA AIR CONDITIONING

HENRY SHEIN



Issue Status

Client

BUILDING CONTROL

DEPARTMENT OF HEALTH

MANGROVE BAY CLINIC RENOVATIONS & ADDITIONS

Project Address

55 MANGROVE BAY SANDYS

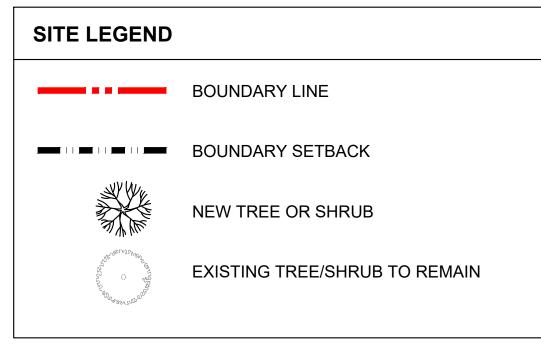
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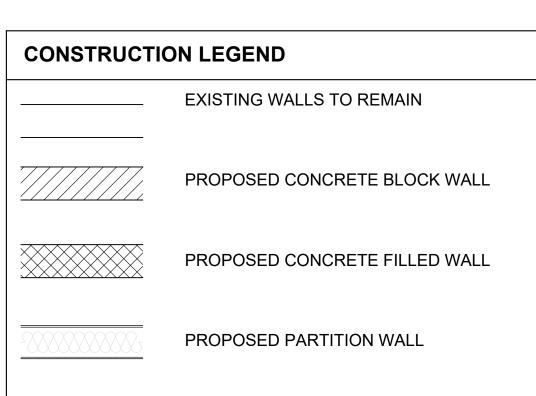
EXISITNG/DEMOLITION SUILDING SECTIONS

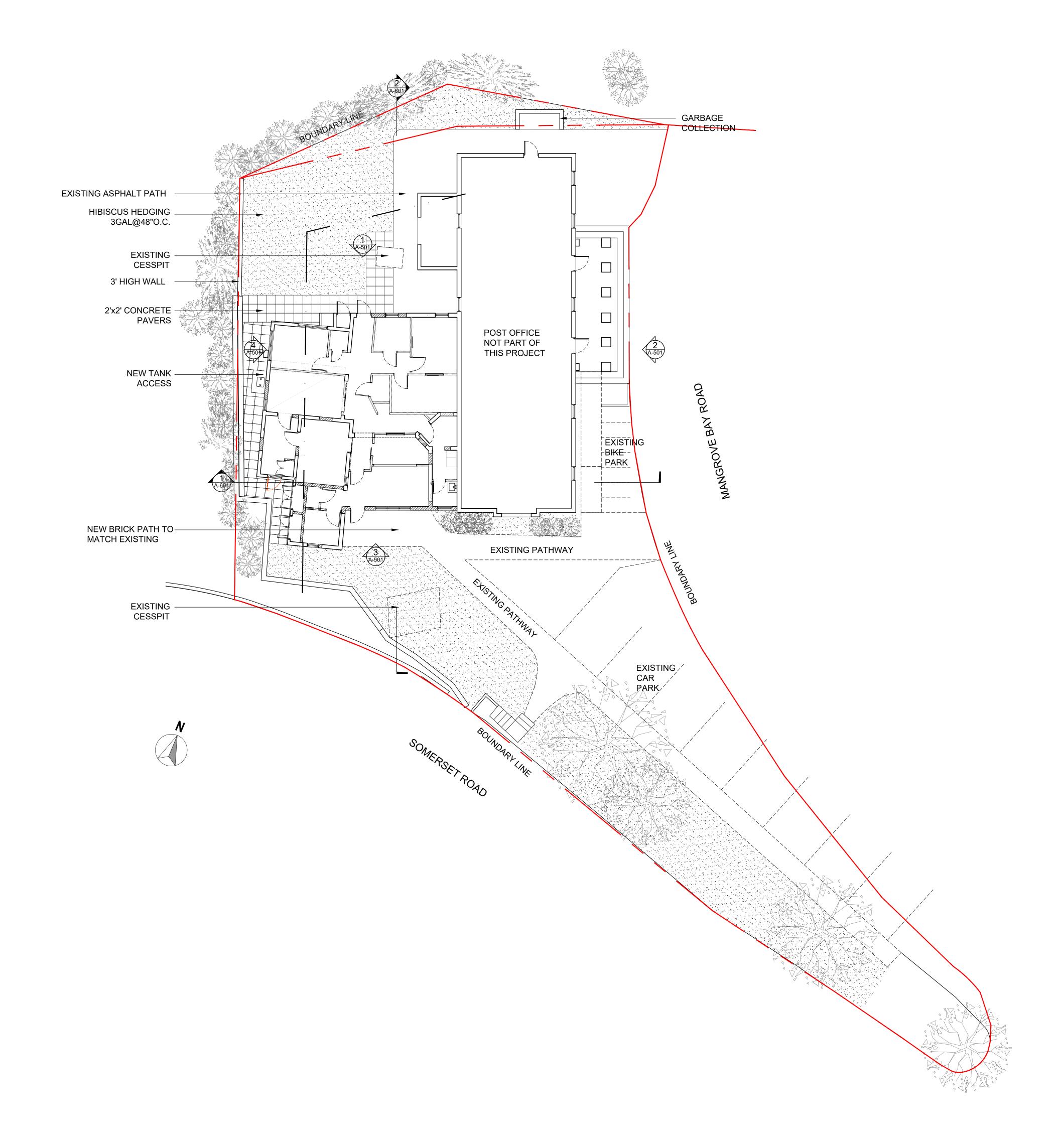
Project No. 2021 15

Date: 08.08.22 Scale: AS NOTED Drawn:TG Chk'd: TG

Sheet No.:









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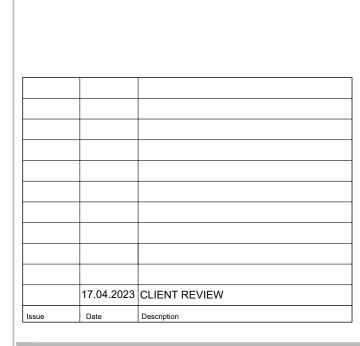
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ISLAND AUTOMATION

BERMUDA AIR CONDITIONING

HENRY SHEIN



Issue Status

BUILDING CONTROL

DEPARTMENT OF HEALTH

Pro

MANGROVE BAY CLINIC RENOVATIONS & ADDITIONS

55 MANGROVE BAY SANDYS

Project Address

Title Sheet

PROPOSED SITE PLAN

Project No. 2021 15

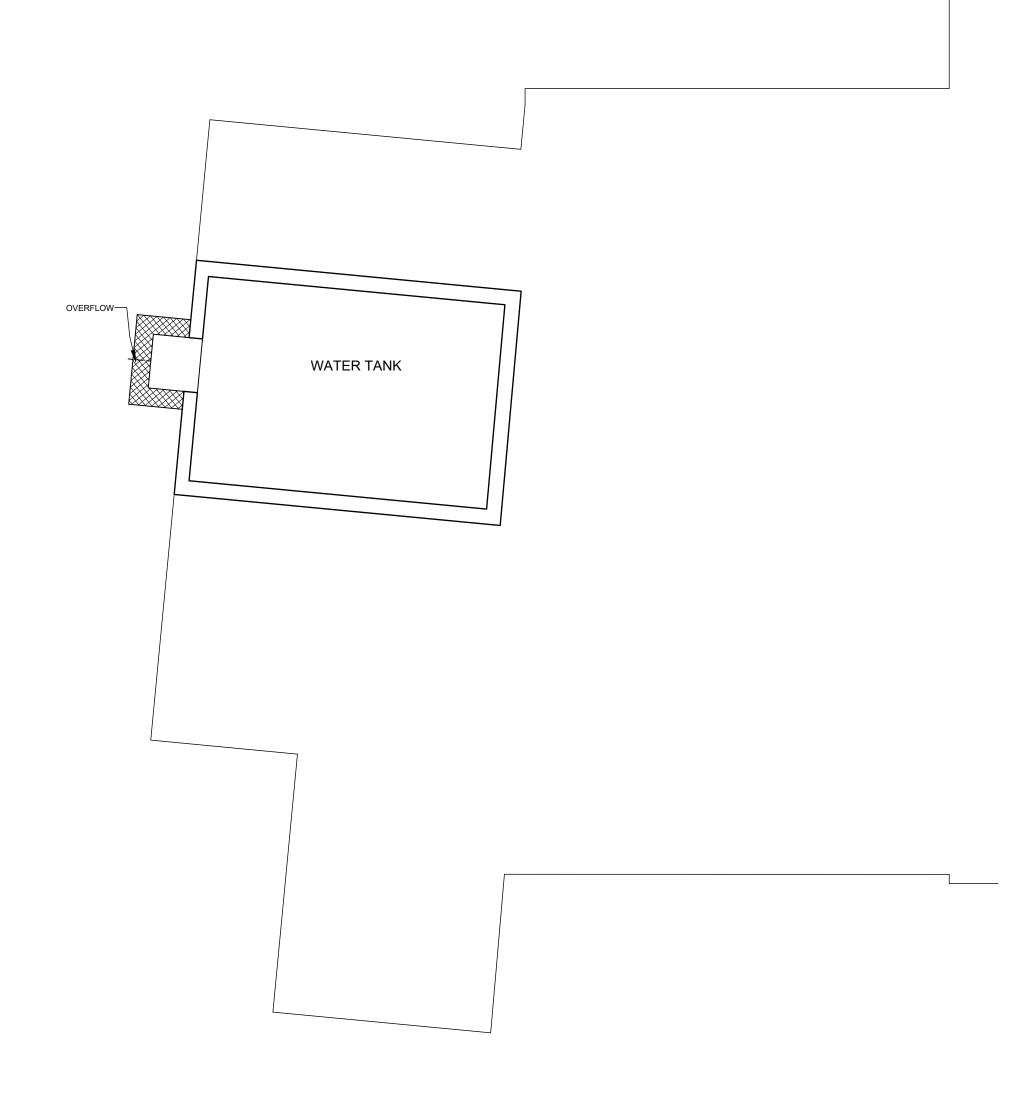
 Date: 31.01.23
 Scale: 1/32"=1'-0"

 Drawn:TG
 Chk'd: TG

Sheet No.:

A-300

REV: -



1 TANK PLAN
SCALE:3/16"=1'-0"

CONSTRUCTION KEY EXISTING BERMUDA STONE

WALLS TO BE RETAINED

NEW UNFILLED CONCRETE BLOCK CONSTRUCTION

NEW FILLED CONC CONSTRUCTION NEW FILLED CONCRETE BLOCK

NEW PARTITION WALL

PROPOSED GENERAL NOTES

 SCRAPE DOWN EXISTING UNEVEN WALLS AND CLEAN TO ELIMINATE EXISTING MOLD. APPLY PLASTER RENDER, 2 COATS MOLD/MILDEW PRIMER AND PAINT

2. FILL HOLES IN WALLS CAUSED BY REMOVAL OF PLUMBING AND ELECTRICAL OUTLETS. APPLY AN EVEN LAYER OF PLASTER RENDER TO ALIGN WITH

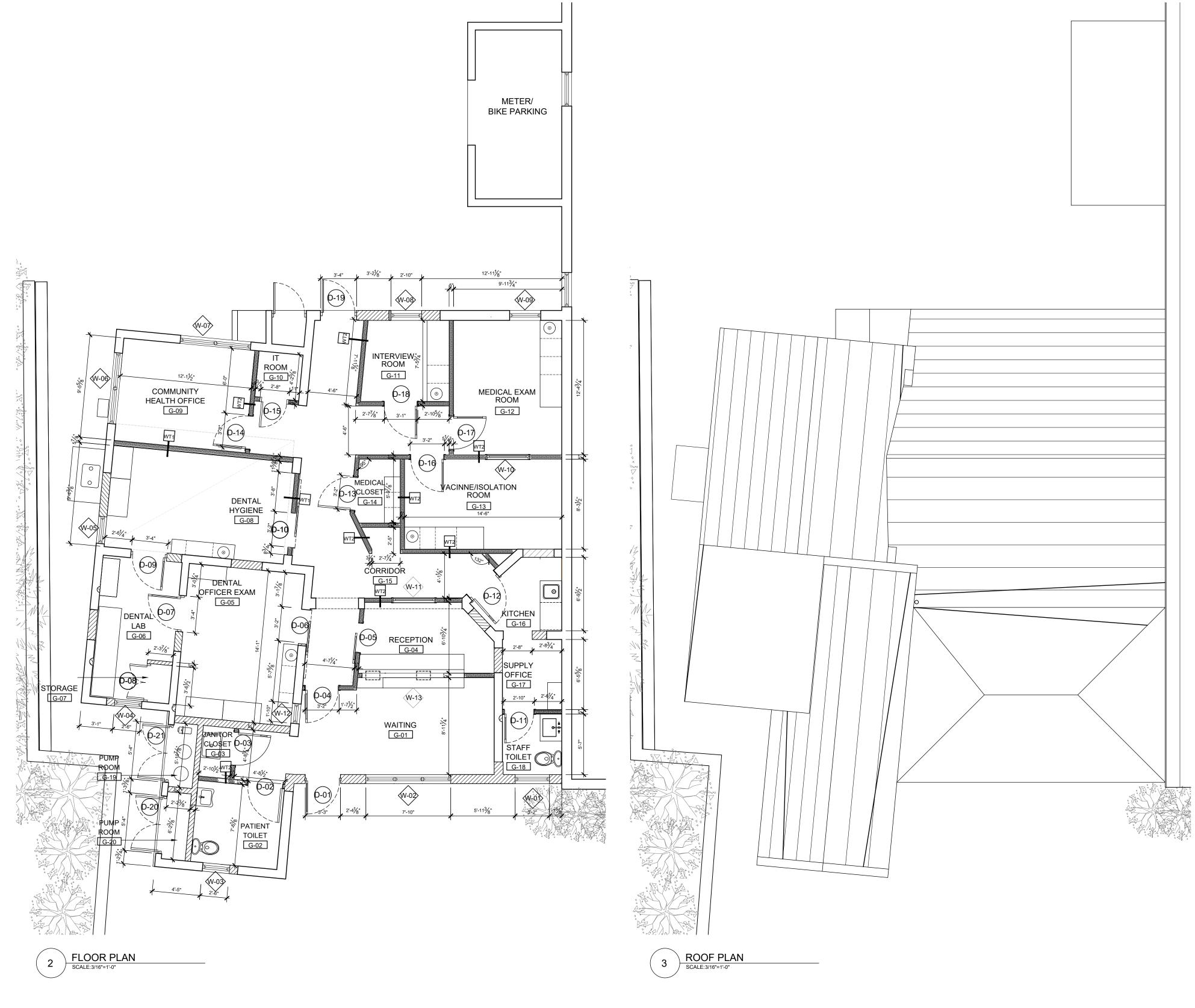
3. EXISTING OPENINGS TO BE BLOCKED WITH CONCRETE BLOCK TO MATCH WITH OF EXISTING OPENINGS.

4. APPLY NEW GYPSUM BOARD TO CEILING.

5. EXISTING CONCRETE SLAB TO BE RESURFACED EVENLY AND READY TO RECEIVE NEW VINYL TILE FINISH

 ALL GYPSUM BOARD WALLS REQUIRE BLOCKING TO SUPPORT ADDITIONAL MEDICAL/DENTAL EQUIPMENT OR WALL HANGING OBJECTS 7. ALL STONE WALLS RECEIVING RECESSED EQUIPMENT

ALL SERVICES TO POST OFFICE PARTY SHALL BE ENCASED IN A MINIMUM OF 4" OF CONCRETE OR METAL



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ENTECH LTD ISLAND AUTOMATION

BERMUDA AIR CONDITIONING

HENRY SHEIN

17.04.2023 CLIENT REVIEW Issue Date Description

Issue Status

Client

BUILDING CONTROL

DEPARTMENT OF HEALTH

Project

MANGROVE BAY CLINIC **RENOVATIONS & ADDITIONS**

Project Address

55 MANGROVE BAY

Title Sheet

SANDYS

PROPOSED PLANS

Project No. 2021 15

Date: 16.03.22 Scale: AS NOTED

Drawn:TG Sheet No.:

A-301





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GENERAL NOTES

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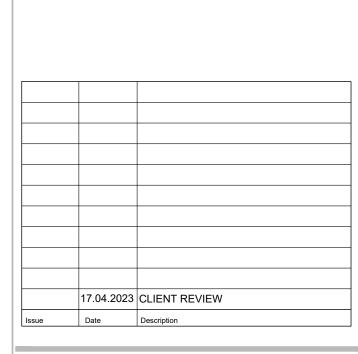
LIST OF INFORMANTS/CONSULTANTS

BERMUDA AIR CONDITIONING

ENTECH LTD

ISLAND AUTOMATION

HENRY SHEIN



Issue Status

BUILDING CONTROL Client

DEPARTMENT OF HEALTH

MANGROVE BAY CLINIC RENOVATIONS & ADDITIONS

Project Address

55 MANGROVE BAY SANDYS

Title Sheet

PROPOSED

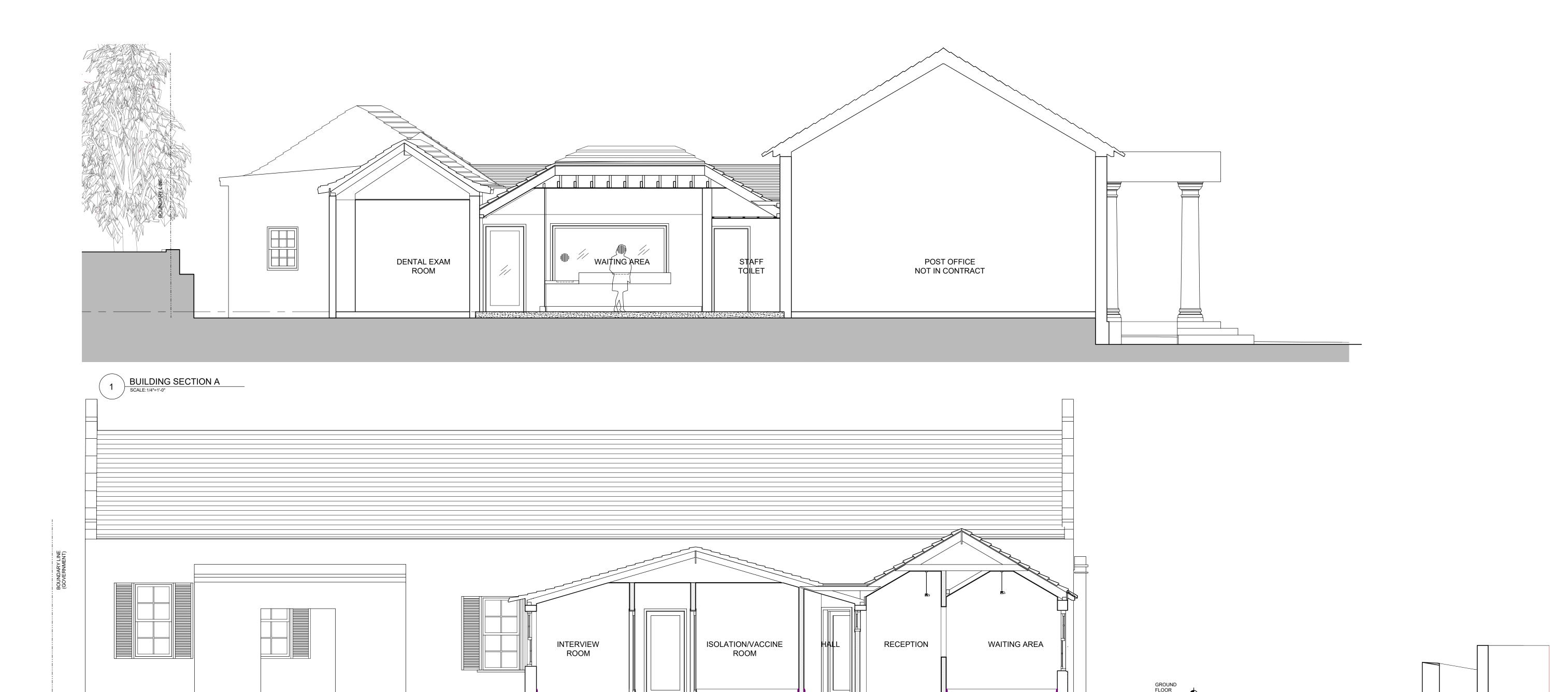
BUILDING ELEVATIONS

Project No. 2021 15

Date: 31.01.23 Scale: AS NOTED Chk'd: TG

Drawn:TG

Sheet No.:



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

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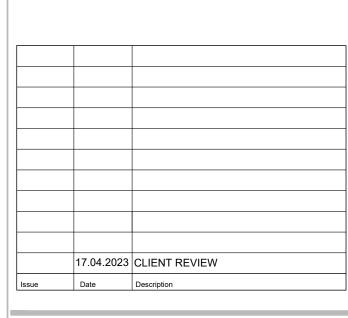
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Issue Status

BUILDING CONTROL Client

DEPARTMENT OF HEALTH

MANGROVE BAY CLINIC RENOVATIONS

Project Address

55 MANGROVE BAY SANDYS

Title Sheet

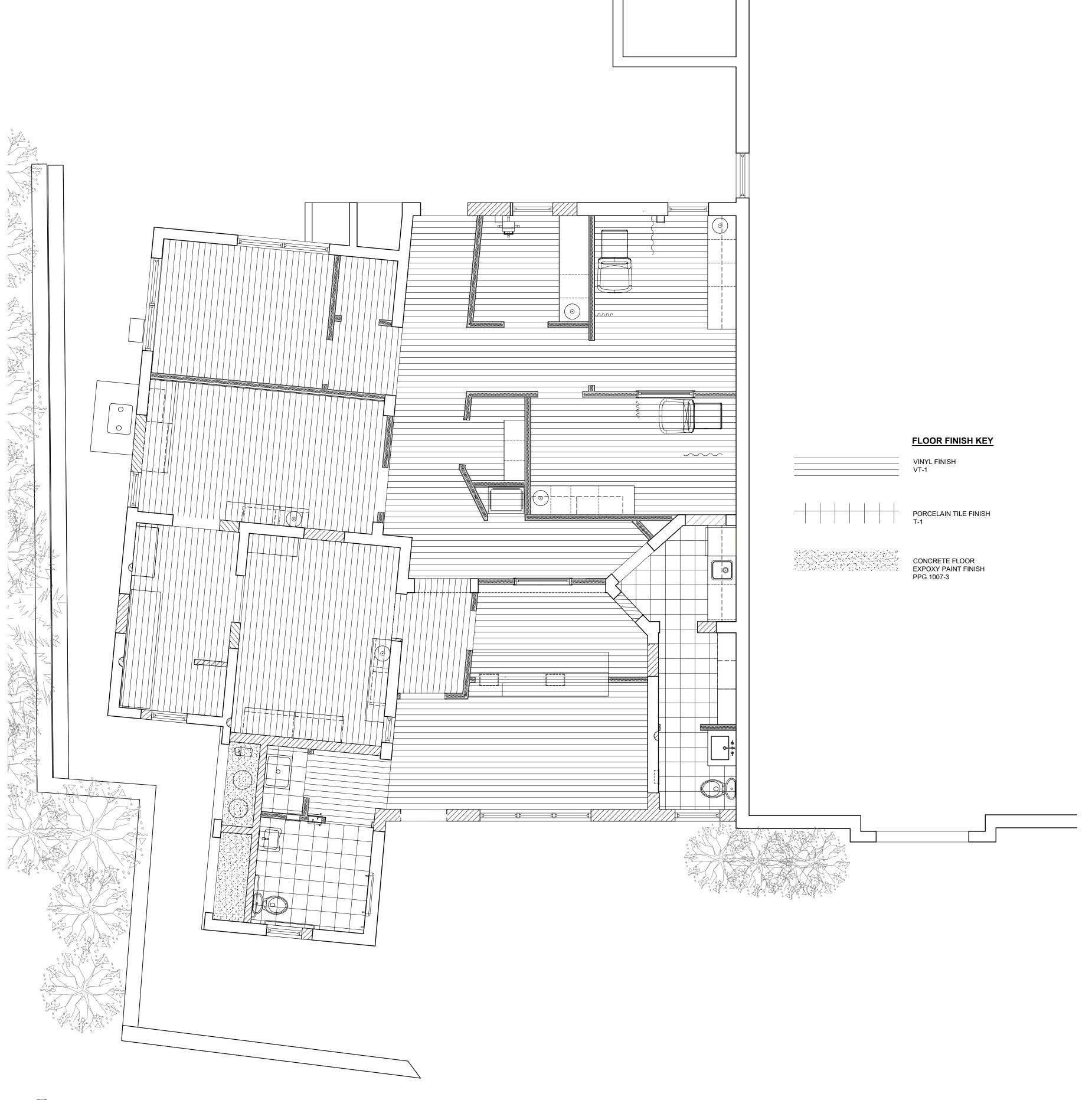
PROPOSED BUILDING SECTIONS

Project No. 2021 15

Date: 08.08.22

Drawn:TG Sheet No.:

Scale: AS NOTED



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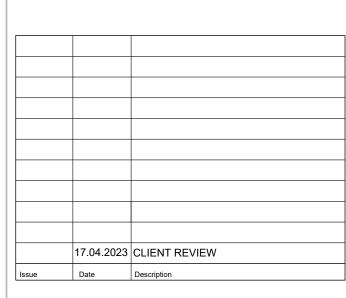
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BERMUDA AIR CONDITIONING

HENRY SHEIN



Issue Status

BUILDING CONTROL

DEPARTMENT OF HEALTH

MANGROVE BAY CLINIC RENOVATIONS & ADDITIONS

Project Address

55 MANGROVE BAY SANDYS

Title Sheet

FLOOR FINISHES PLAN

Project No. 2021 15

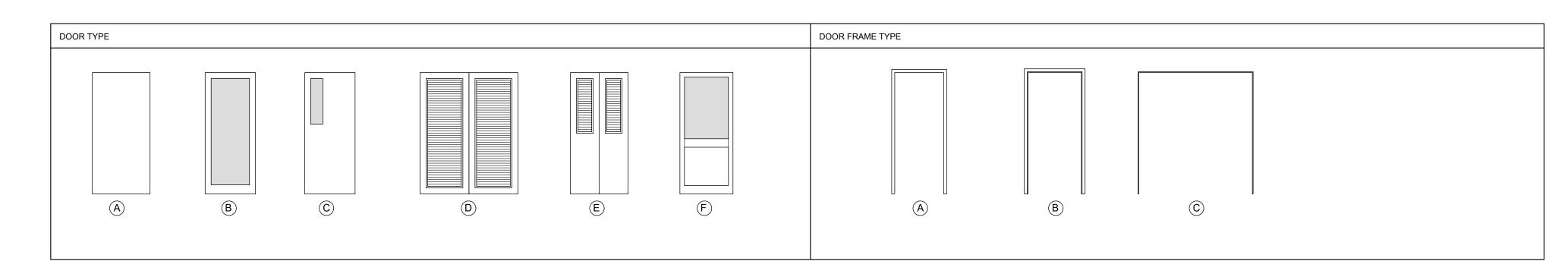
Date: 16.03.22 Scale: AS NOTED Drawn:TG Chk'd: TG

Sheet No.:

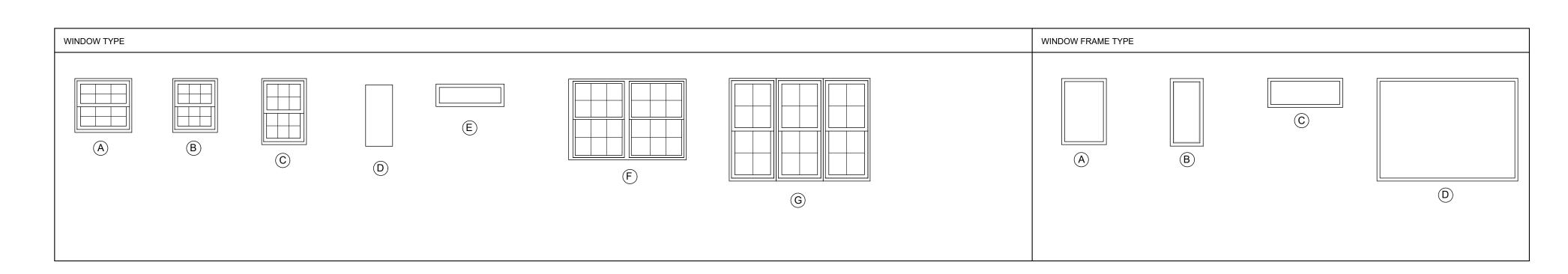
A-701

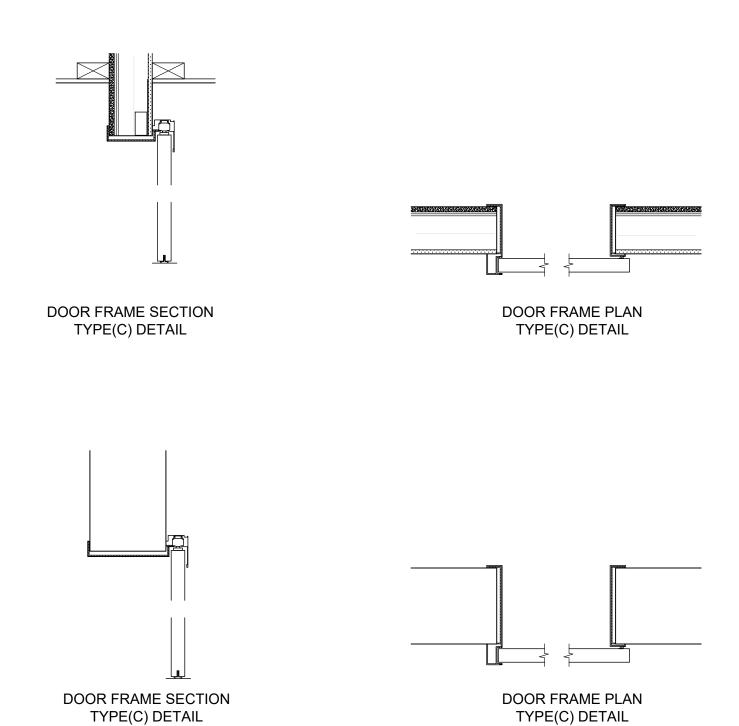
REV: -

DOOR N	О.	DOOR LEAF								DOOR INT.							
ID	ROOM NAME	NOMINAL WIDTH	NOMINAL HEIGHT	LEAF THICKNESS	MATERIAL FINISH	GLAZING	TYPE	EXT.	SIZE	MATERIAL	FINISH	FRAME TYPE	EXT.	LOCK	HANDLE	FINISH	
GROUN	l D FLOOR													. L		I.	l
D-01	WAITING	3'-0"	7'-0"	1-3/4"	ALUM WHITE		F	INT	2"x4"	ALUM	WHITE	В	INT	LATCHBOLT DEADBOLT	PULL HANDLE & PUSH BAR SET	SATIN STAINLESS STEEL	
D-02	PATIENT TOILET	3'-0"	6'-8"	1-3/4"	SCW WHITE	-	А	INT	2"x4" W/ 2" CASING	WD	PT TO MATCH RAL GREY	В	INT	PRIVACY INDICATOR	LEVER SET	SATIN CHROME	
D-03	JANITOR CLOSET	3'-0"	6'-8"	1-3/4"	SCW WHITE	-	С	INT	2"x4" W/ 2" CASING	WD	PT TO MATCH RAL GREY	В	INT	STOREROOM LOCK	LEVER	SATIN CHROME	
D-04	CORRIDOR	3'-0"	7'-0"	1-3/4"	SCW WHITE		В	INT	2"x4" W/ 2" CASING	WD	PT TO MATCH RAL GREY	В	INT				
D-05	RECEPTION	2'-8"	6'-8"	1-3/4"	SCW WHITE	TEMPERED FROSTED	В	INT	2"x4" W/ 2" CASING	WD	PT TO MATCH RAL GREY	С	INT	ACCESS CONTROL	10" DOOR PULL		SURFACE MOUNT MEDICAL SLIDE SYSTEM
D-06	DENTAL OFFICE EXAM	3'-0"	6'-10"	1-3/4"	SCW WHITE	TEMPERED FROSTED	В	INT	2"x4" W/ 2" CASING	WD	PT TO MATCH RAL GREY	С	INT	ACCESS CONTROL	10" DOOR PULL		SURFACE MOUNT MEDICAL SLIDE SYSTEM
D-07	DENTAL LAB	3'-0"	6'-8"	1-3/4"	SCW WHITE	-	В	INT	2"x4" W/ 2" CASING	WD	PT TO MATCH RAL GREY	В	INT	PASSAGE	LEVER	SATIN CHROME	02.02 0 . 0 . 2
D-08	DENTAL LAB CLOSET	1'-6"(2)	6'-8"	1-3/4"	SCW WHITE	-	Е	INT	2"x4" W/ 2" CASING	WD	PT TO MATCH RAL GREY	С	INT	SINGLE DUMMY	LEVER	SATIN CHROME	
D-09	DENTAL HYGIENE	3'-0"	6'-8"	1-3/4"	SCW WHITE	TEMPERED FROSTED	В	INT	2"x4" W/ 2" CASING	WD	PT TO MATCH RAL GREY	В	INT	PASSAGE	LEVER	SATIN CHROME	
D-10	DENTAL HYGIENE	3'-0"	6'-10"	1-3/4"	SCW WHITE	-	В	INT	2"x4" W/ 2" CASING	WD	PT TO MATCH RAL GREY	С	INT	ACCESS CONTROL	10" DOOR PULL		SURFACE MOUNT MEDICAL SLIDE SYSTEM
D-11	STAFF TOILET	3'-0"	6'-8"	1-3/4"	SCW WHITE	-	А	INT	2"x4" W/ 2" CASING	WD	PT TO MATCH RAL GREY	Α	INT	PRIVACY INDICATOR	LEVER SET	SATIN CHROME	02.52 0 . 0 . 2
D-12	KITCHEN	3'-0"	6'-8"	1-3/4"	SCW WHITE	TEMPERED CLEAR	С	INT	2"x4" W/ 2" CASING	WD	PT TO MATCH RAL GREY	Е	INT	PASSAGE	LEVER	SATIN CHROME	
D-13	MEDICAL STORAGE	3'-0"	6'-8"	1-3/4"	SCW WHITE	TEMPERED FROSTED	С	INT	2"x4" W/ 2" CASING	WD	PT TO MATCH RAL GREY	Е	INT	STOREROOM LOCK	LEVER	SATIN CHROME	
D-14	COMMUNITY HEALTH OFFICE	3'-0"	6'-8"	1-3/4"	SCW WHITE	TEMPERED FROSTED	В	INT	2"x4" W/ 2" CASING	WD	PT TO MATCH RAL GREY	В	INT	OFFICE LOCK	LEVER	SATIN CHROME	
D-15	IT ROOM	2'-4"	6'-8"	1-3/4"	SCW WHITE	-	С	INT	2"xWIDTH OF WALL	WD	PT TO MATCH RAL GREY	Α	INT	STOREROOM LOCK	LEVER	SATIN CHROME	
D-16	VACCINE/ISOLATION ROOM	3'-0"	6'-8"	1-3/4"	SCW WHITE	TEMPERED FROSTED	В	INT	2"x4" W/ 2" CASING	WD	PT TO MATCH RAL GREY	В	INT	HOSPITAL PRIVACY	LEVER	SATIN CHROME	
D-17	MEDICAL EXAM ROOM	3'-0"	6'-8"	1-3/4"	SCW WHITE	TEMPERED FROSTED	В	INT	2"x4" W/ 2" CASING	WD	PT TO MATCH RAL GREY	В	INT	HOSPITAL PRIVACY	LEVER	SATIN CHROME	
D-18	INTERVIEW ROOM	3'-0"	6'-8"	1-3/4"	SCW WHITE	TEMPERED FROSTED	В	INT	2"x4" W/ 2" CASING	WD	PT TO MATCH RAL GREY	D	INT	HOSPITAL PRIVACY	LEVER	SATIN CHROME	
D-19	CORRIDOR	3'-0"	7'-0"	1-3/4"	ALUM WHITE	-	F	EXT	2"x4"	ALUM	WHITE	А	EXT	LATCHBOLT DEADBOLT	PULL HANDLE & PUSH BAR SET	SATIN STAINLESS STEEL	
D-20	PUMP ROOM	2'-6"(2)	7'-0"	1-3/4"	ALUM WHITE	-	D	EXT	2"x4"	ALUM	WHITE	А	EXT	STOREROOM LOCK	LEVER	SATIN STAINLESS STEEL	ONE DOOR LOCKED WITH DROP BOLT
D-21	PUMP ROOM	2'-6"(2)	7'-0"	1-3/4"	ALUM WHITE	-	D	EXT	2"x4"	ALUM	WHITE	А	EXT	STOREROOM LOCK	LEVER	SATIN STAINLESS STEEL	ONE DOOR LOCKED WITH DROP BOLT



WINDOV	W SCHEDULE										
WINDOV	V NO.	WINDOW		WINDOW FRAME					CRIMSAFE	SCREEN	
ID	ROOM NAME	WINDOW	TYPE	SIZE	FINISH	COLOR	TYPE	SHUTTER	COLOR	SWING	REMARKS
GROUN	D FLOOR	<u> </u>									
W-01	STAFF TOILET	2'-10" x 2'-8"	А	3'-2" x 3'-0"	VINYL	WHITE	А	-	WHITE	FIXED	
W-02	WAITING	2'-4" x 5'-5"(3)	G	7'-7" x 5'-8"	VINYL	WHITE	D	-	WHITE	FIXED	
W-03	PATIENT TOILET	2'-2" x 2'-8"	В	2'-6" x 3'-0"	VINYL	WHITE	А	-	WHITE	FIXED	
W-04	DENTAL LAB	2'-2" x 2'-8"	С	2'-6" x 3'-0"	VINYL	WHITE	А	-	WHITE	FIXED	
W-05	DENTAL HYGIENE	2'-2" x 3'-2"	С	2'-6" x 3'-6"	VINYL	WHITE	А	-	WHITE	FIXED	
W-06	COMMUNITY HEALTH OFFICE	2'-10" x 4'-3"(2)	F	6'-6" x 4'-6"	VINYL	WHITE	D	-	WHITE	FIXED	
W-07	COMMUNITY HEALTH OFFICE	2'-10" x 4'-3"(2)	F	6'-6" x 4'-6"	VINYL	WHITE	D	-	WHITE	FIXED	
W-08	INTERVIEW ROOM	2'-6" x 4'-2"	С	2'-10" x 4'-6"	VINYL	WHITE	А	-	WHITE	FIXED	
W-09	MEDICAL EXAM ROOM	2'-6" x 4'-2"	С	2'-10" x 4'-6"	VINYL	WHITE	Α	-	WHITE	FIXED	
W-10	VACCINE/ISOLATION ROOM	3'-9" x 1'-2"	E	-	WD	PT TO MATCH RAL GREY	С	-	-	-	
W-11	RECEPTION	3'-9" x 1'-2"	Е	-	WD	PT TO MATCH RAL GREY	С	-	-	-	
W-12	DENTAL OFFICER EXAM	1'-10" x 3'-9"	D	-	WD	WHITE	В	-	-	-	







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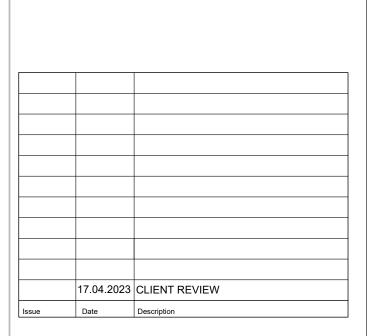
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ISLAND AUTOMATION

ISEA WE TO TOWN THOSE

BERMUDA AIR CONDITIONING

HENRY SHEIN



Issue Status

BUILDING CONTROL

DEPARTMENT OF HEALTH

Project

MANGROVE BAY CLINIC RENOVATIONS & ADDITIONS

Project Address

55 MANGROVE BAY SANDYS

Title Sheet

DOOR & WINDOW SCHEDULES

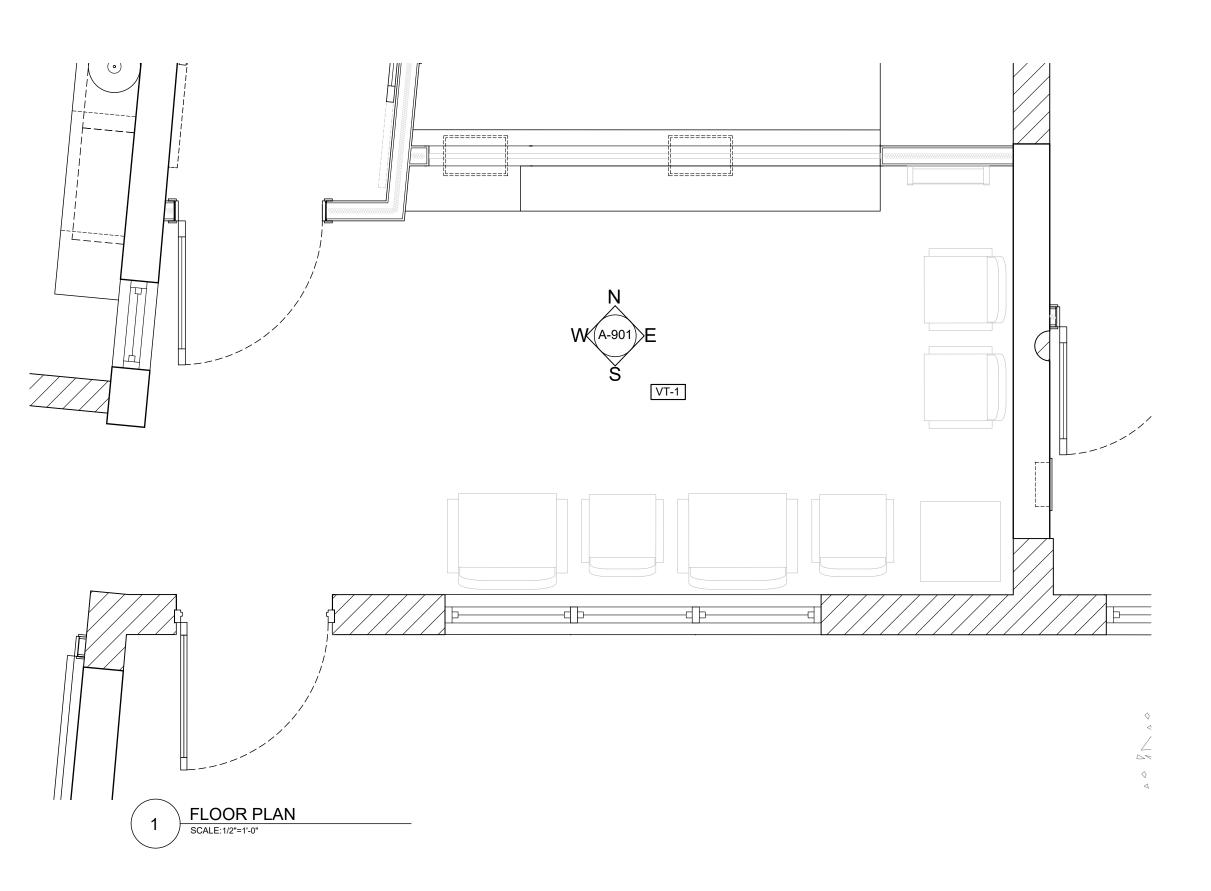
Project No. 2021 15

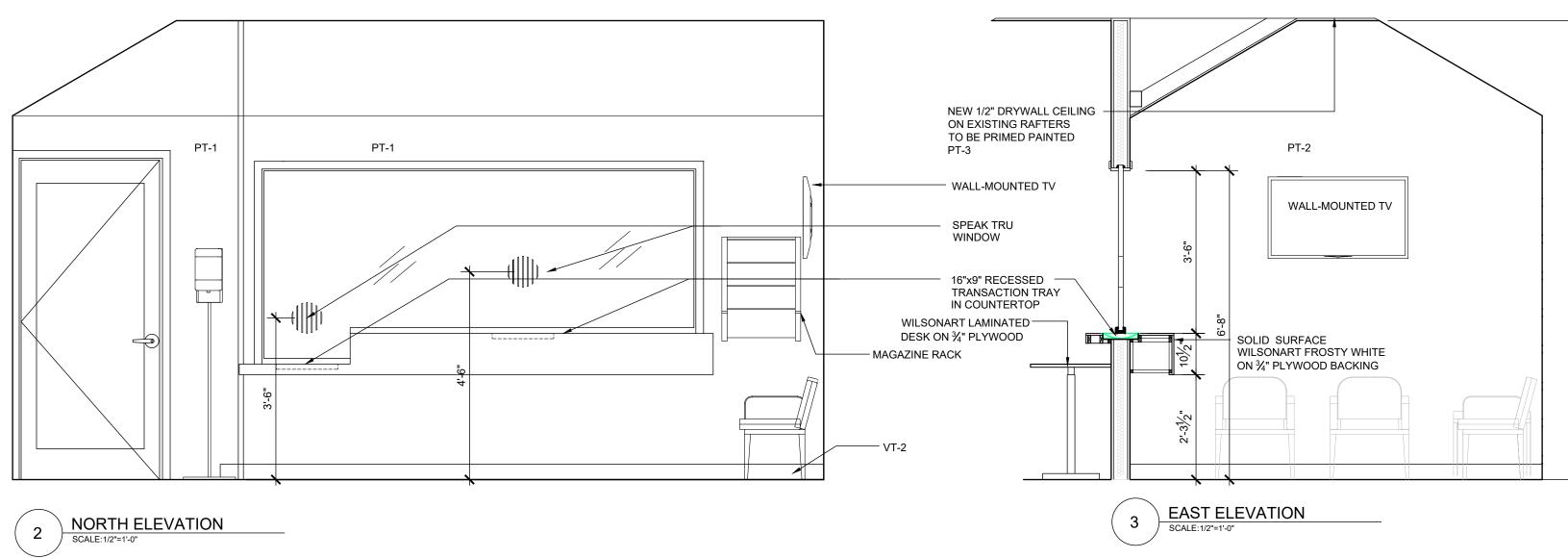
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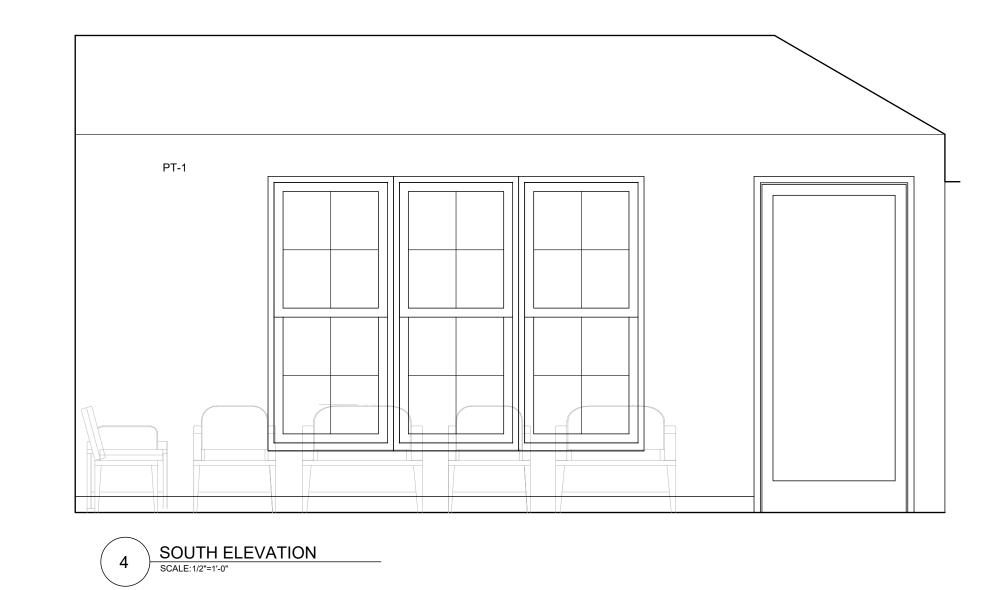
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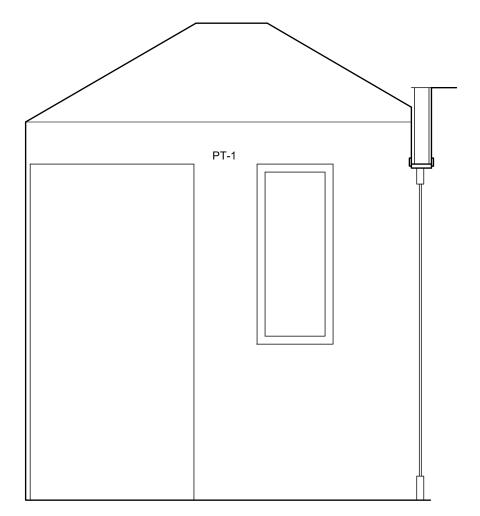
Sheet No.:

A 004









5 WEST ELEVATION
SCALE:1/2"=1'-0"

Issue Status

BUILDING CONTROL

Issue Date Description

DEPARTMENT OF HEALTH

17.04.2023 CLIENT REVIEW

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MANGROVE BAY CLINIC RENOVATIONS & ADDITIONS

Project Address

55 MANGROVE BAY SANDYS

Title Sheet

WAITING ROOM INTERIOR ELEVATIONS

Project No. 2021 15

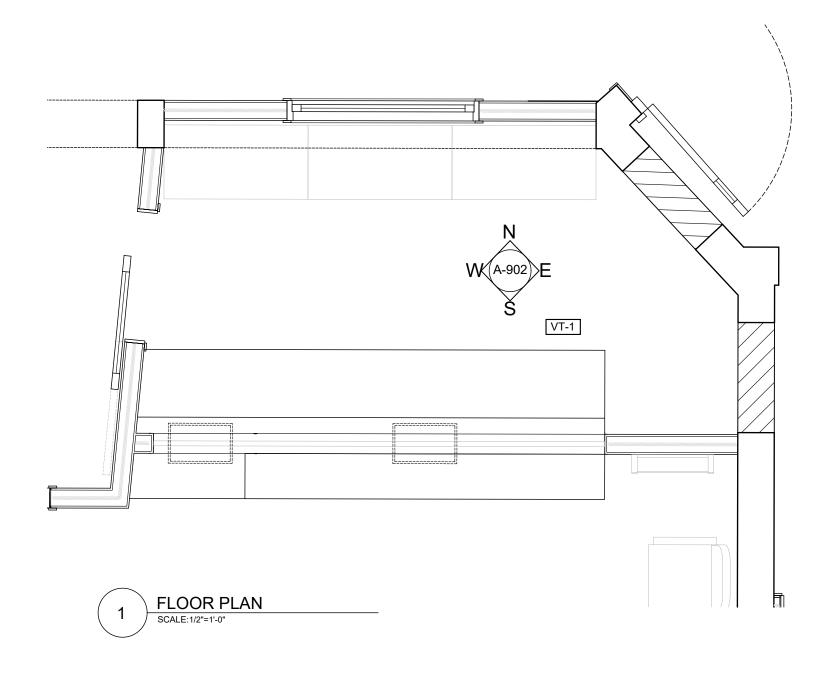
Date: 08.08.22 Scale: AS NOTED

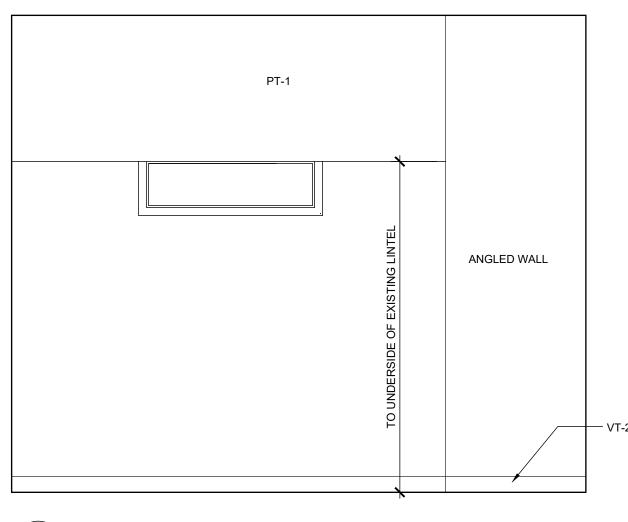
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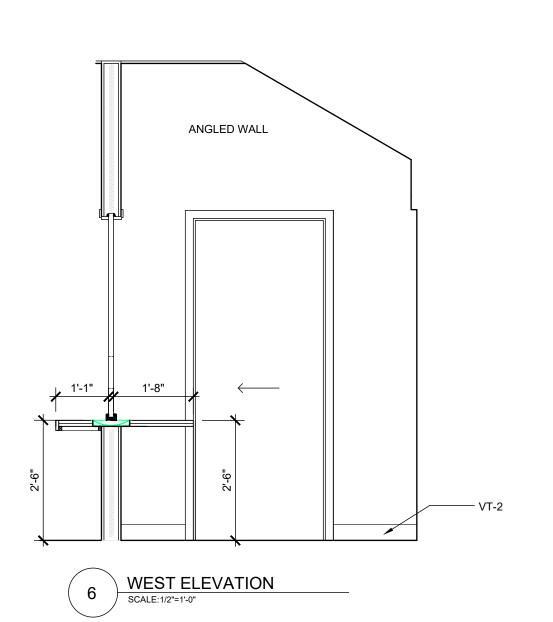
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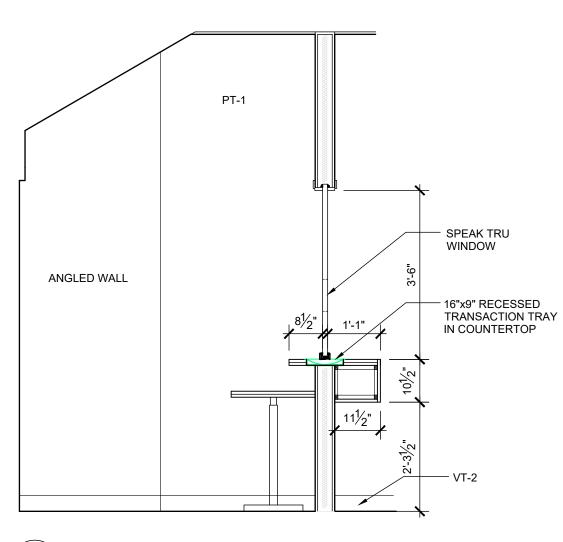
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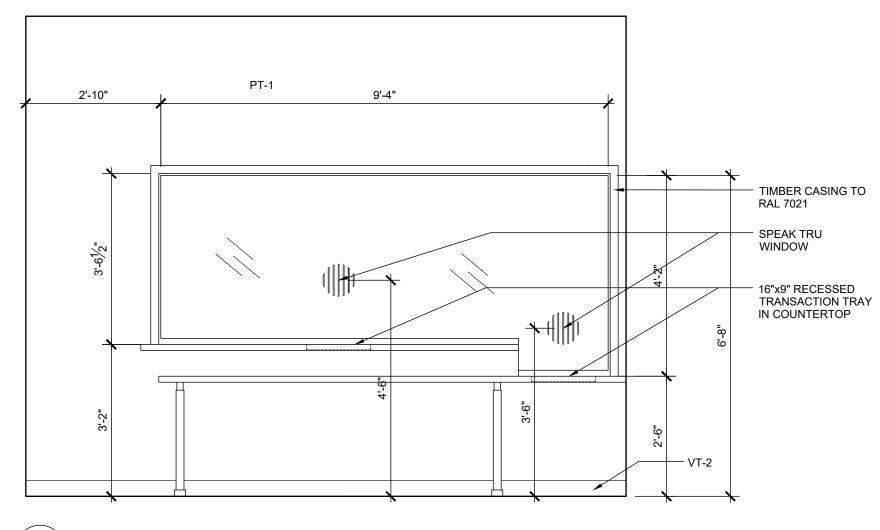








3 EAST ELEVATION
SCALE:1/2"=1'-0"



4 SOUTH ELEVATION
SCALE:1/2"=1'-0"

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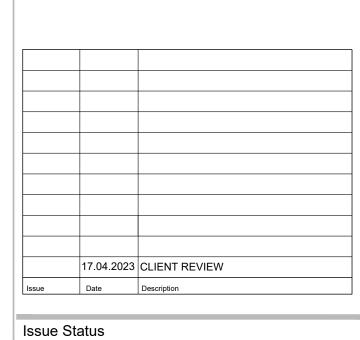
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DEPARTMENT OF HEALTH

MANGROVE BAY CLINIC RENOVATIONS

Project Address

55 MANGROVE BAY SANDYS

Title Sheet

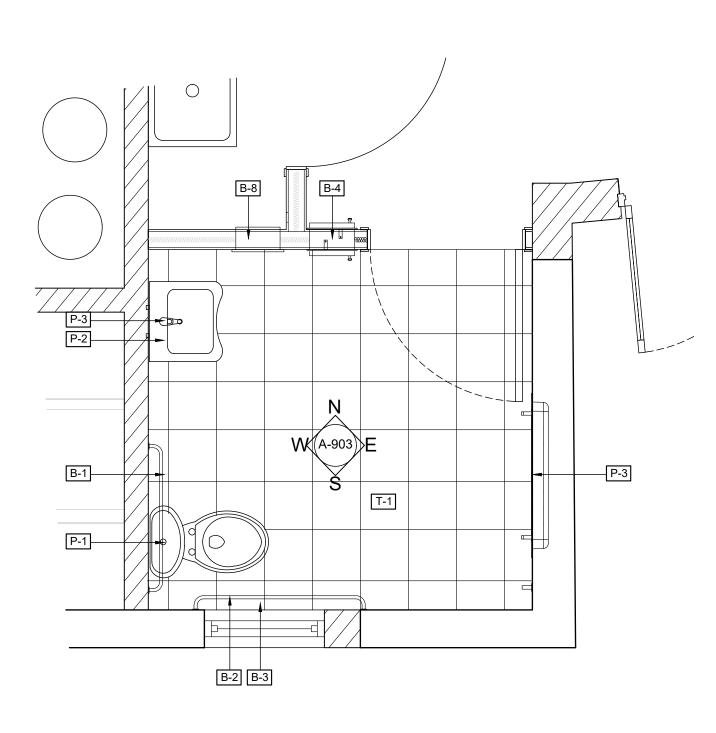
RECEPTION INTERIOR ELEVATIONS

Project No. 2021 15

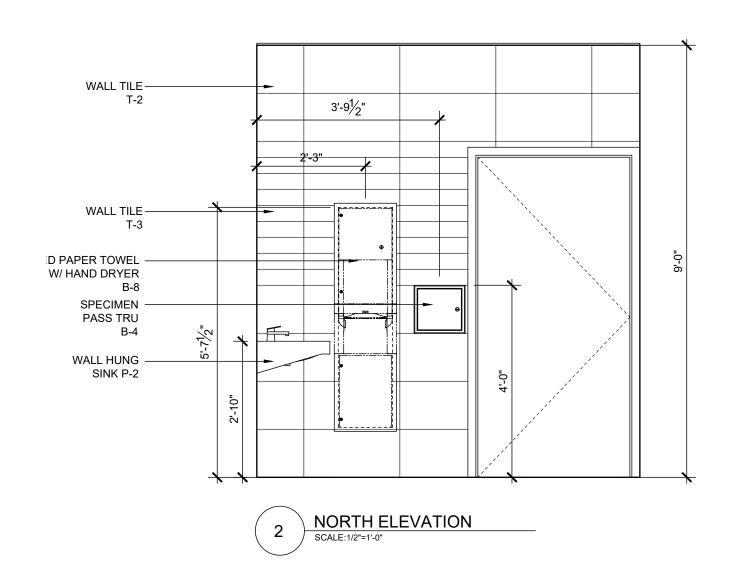
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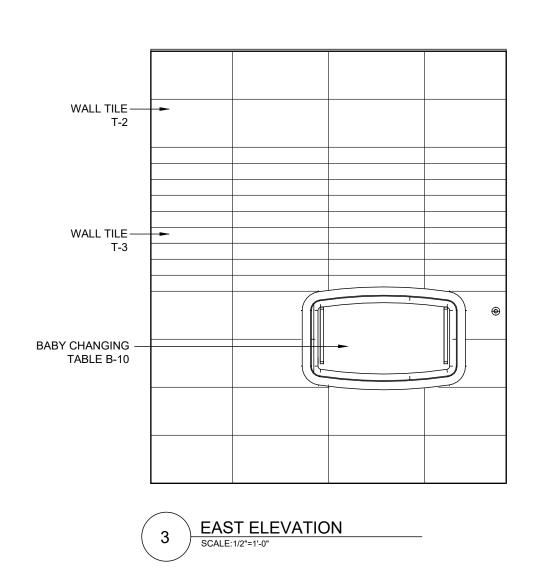
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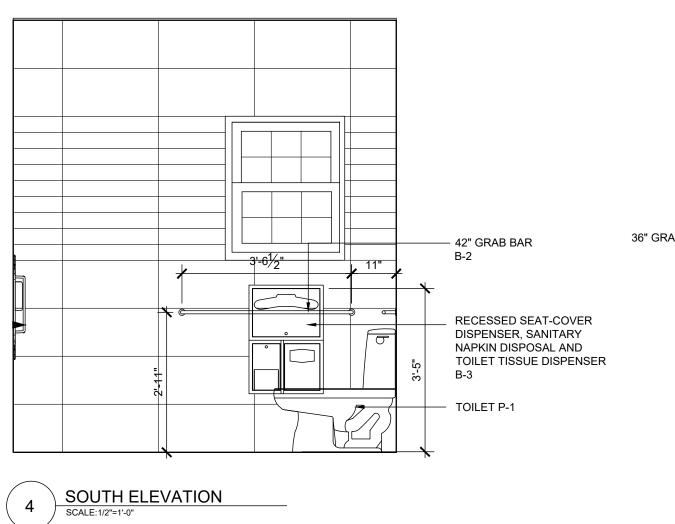
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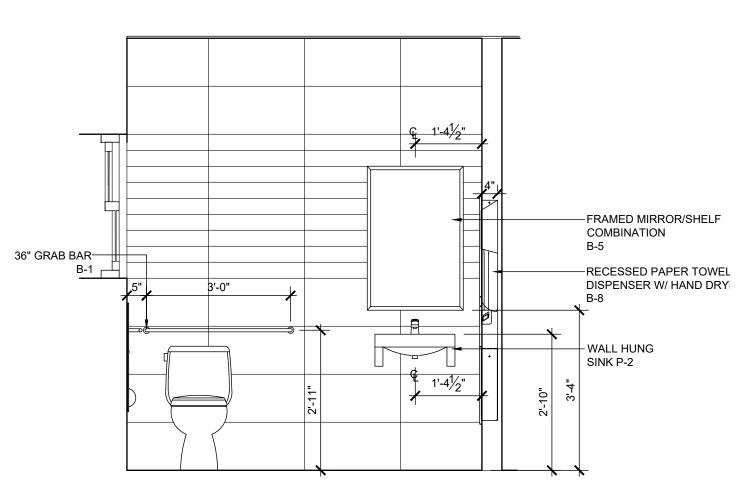












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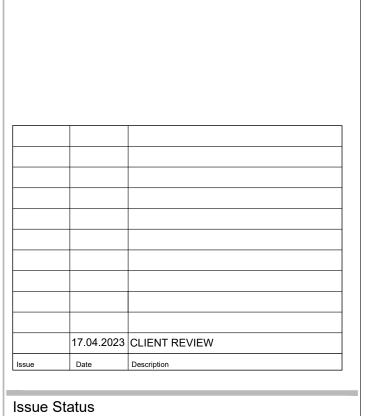
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Client

BUILDING CONTROL

DEPARTMENT OF HEALTH

MANGROVE BAY CLINIC RENOVATIONS

Project Address

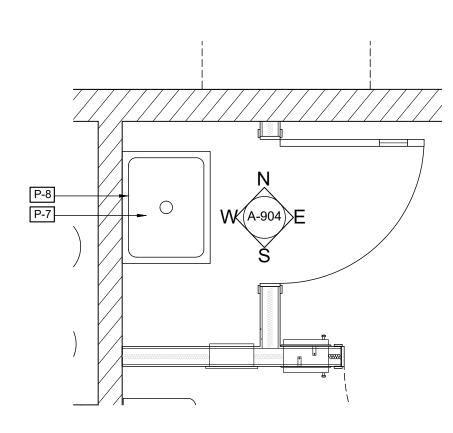
55 MANGROVE BAY SANDYS

Title Sheet

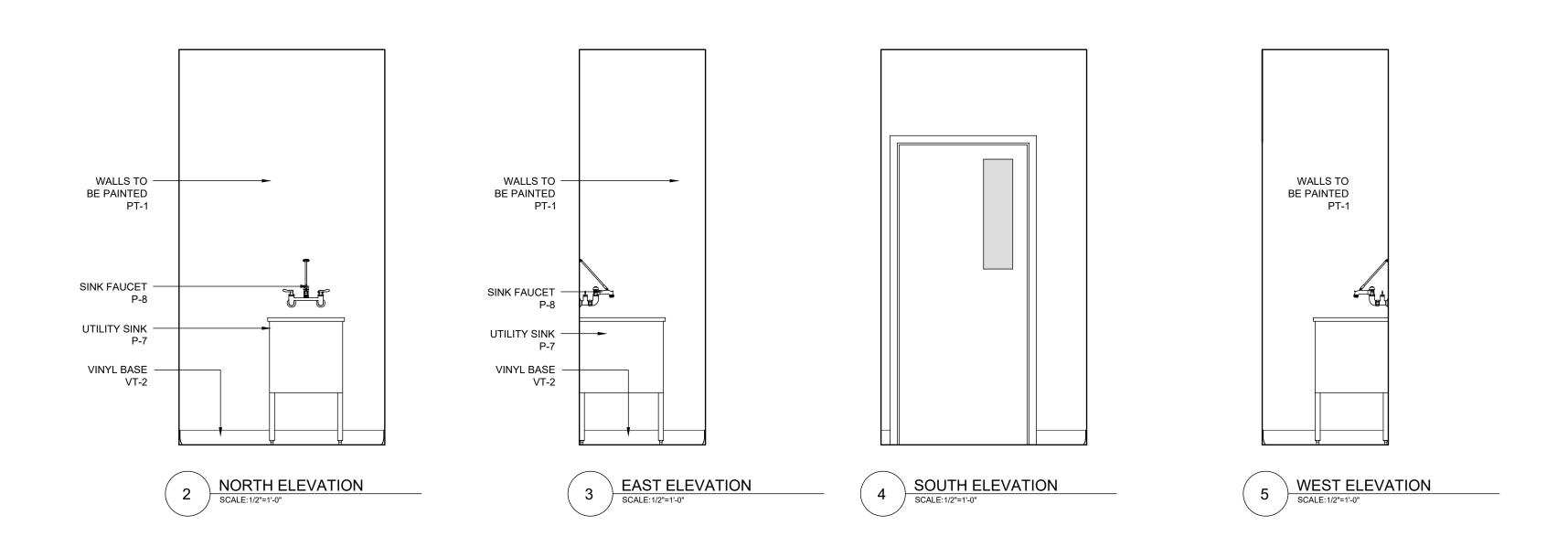
PATIENT TOILET INTERIOR ELEVATIONS

Project No. 2021 15

Date: 08.08.22 Scale: AS NOTED Chk'd: TG Drawn:TG









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ssue	Date	Description

Issue Status

BUILDING CONTROL Client

DEPARTMENT OF HEALTH

MANGROVE BAY CLINIC RENOVATIONS & ADDITIONS

Project Address

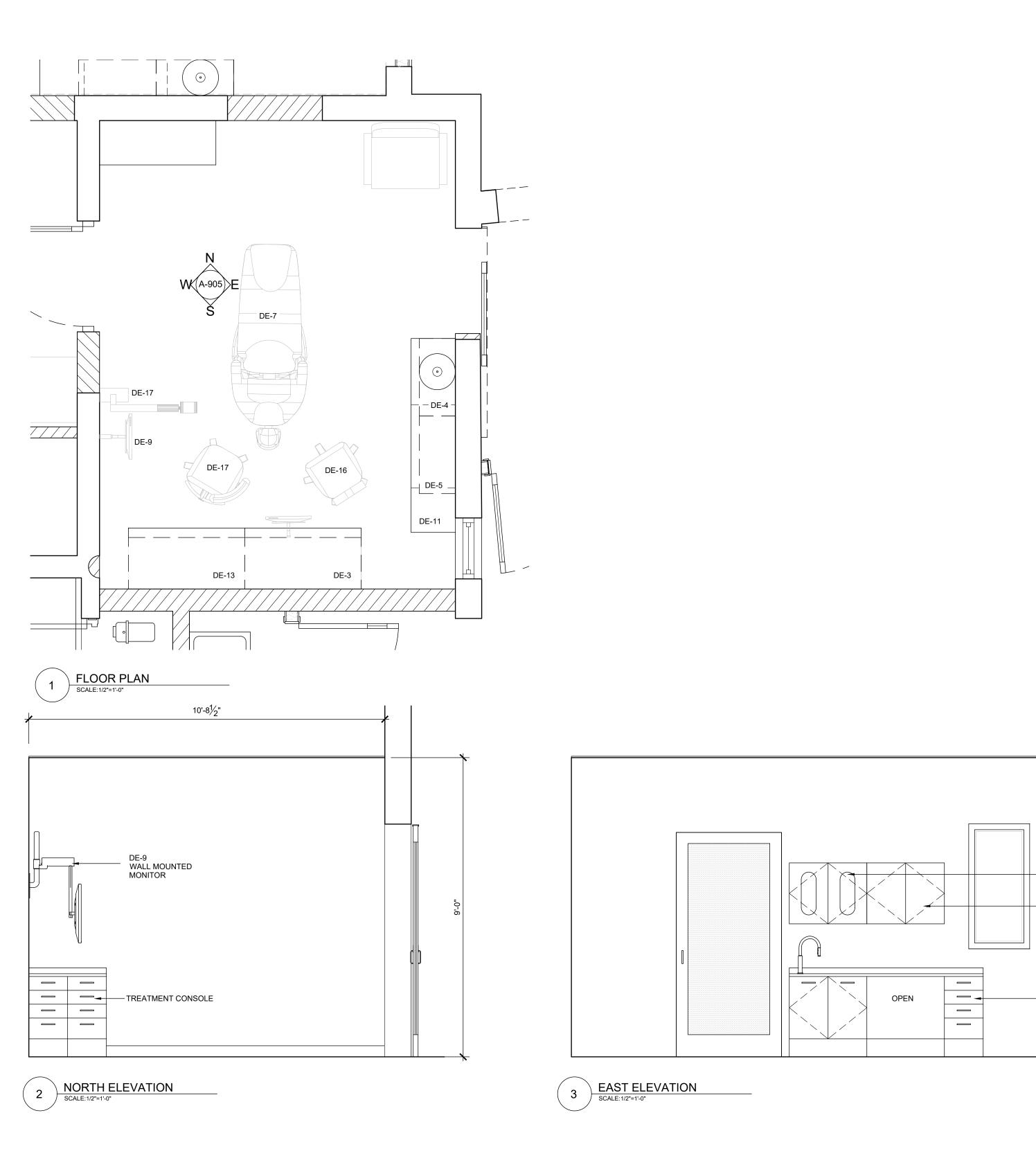
55 MANGROVE BAY SANDYS

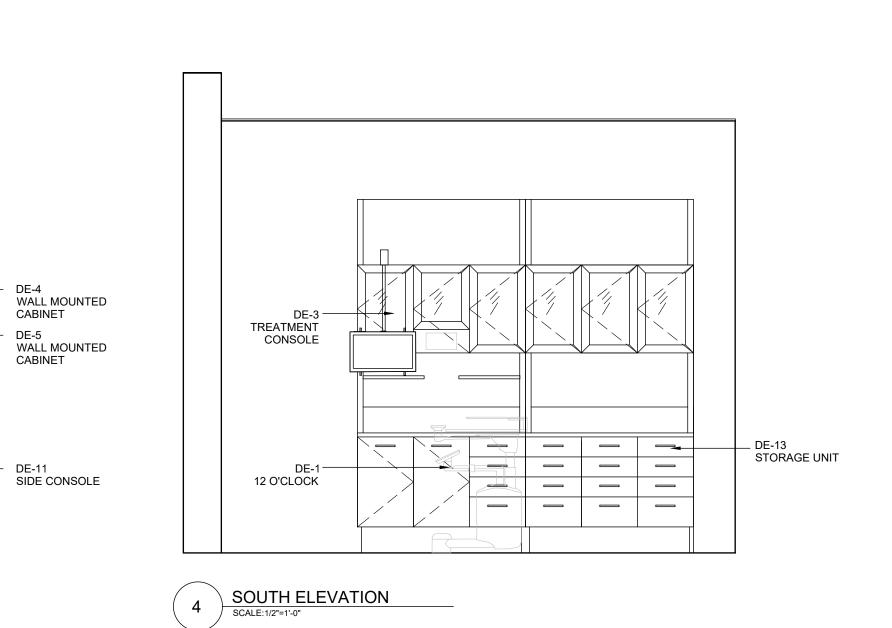
Title Sheet

JANITOR CLOSET INTERIOR ELEVATIONS

Project No. 2021 15

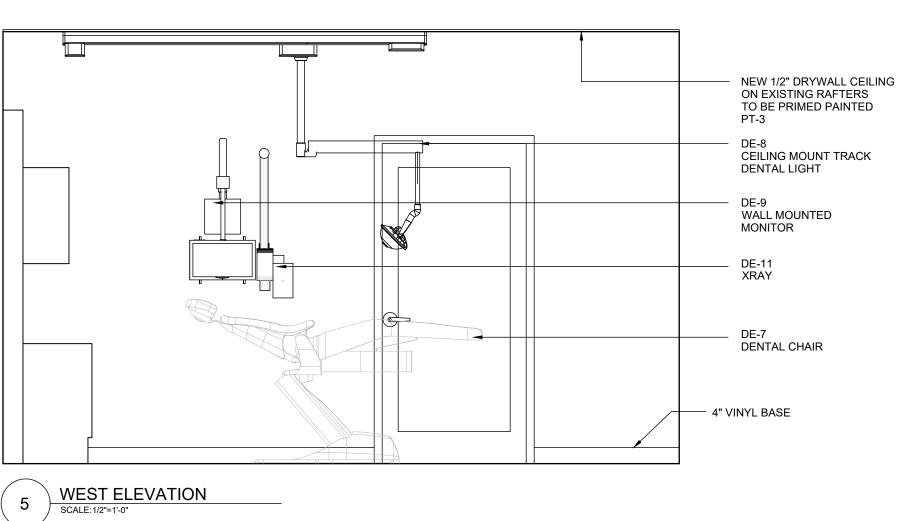
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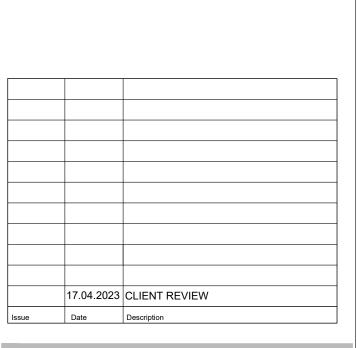
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MANGROVE BAY CLINIC **RENOVATIONS & ADDITIONS**

Project Address

55 MANGROVE BAY SANDYS

Title Sheet

DENTAL OFFICER EXAM RM INTERIOR ELEVATIONS

Project No. 2021 15

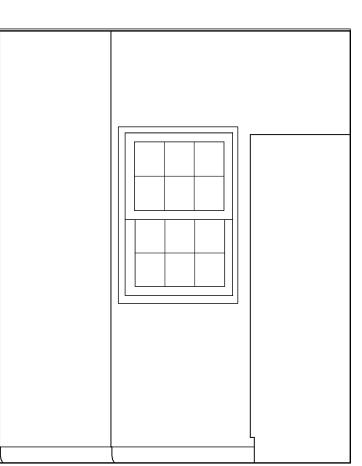
Date: 08.08.22 Scale: AS NOTED Drawn:TG Chk'd: TG



DE-6

DE-6

FRIDGE



4 SOUTH ELEVATION
SCALE:1/2"=1'-0"

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MANGROVE BAY CLINIC

Client

RENOVATIONS & ADDITIONS

Project Address

55 MANGROVE BAY

SANDYS

Title Sheet

DENTAL LAB INTERIOR ELEVATIONS

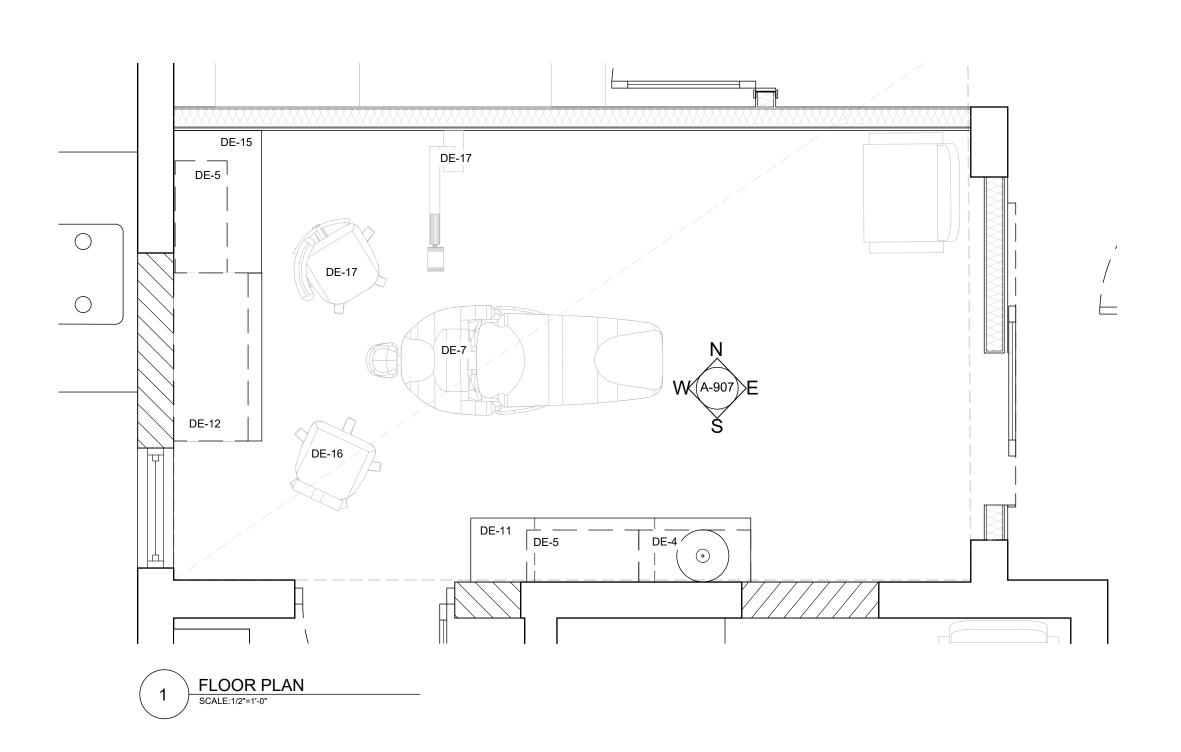
Project No. 2021 15

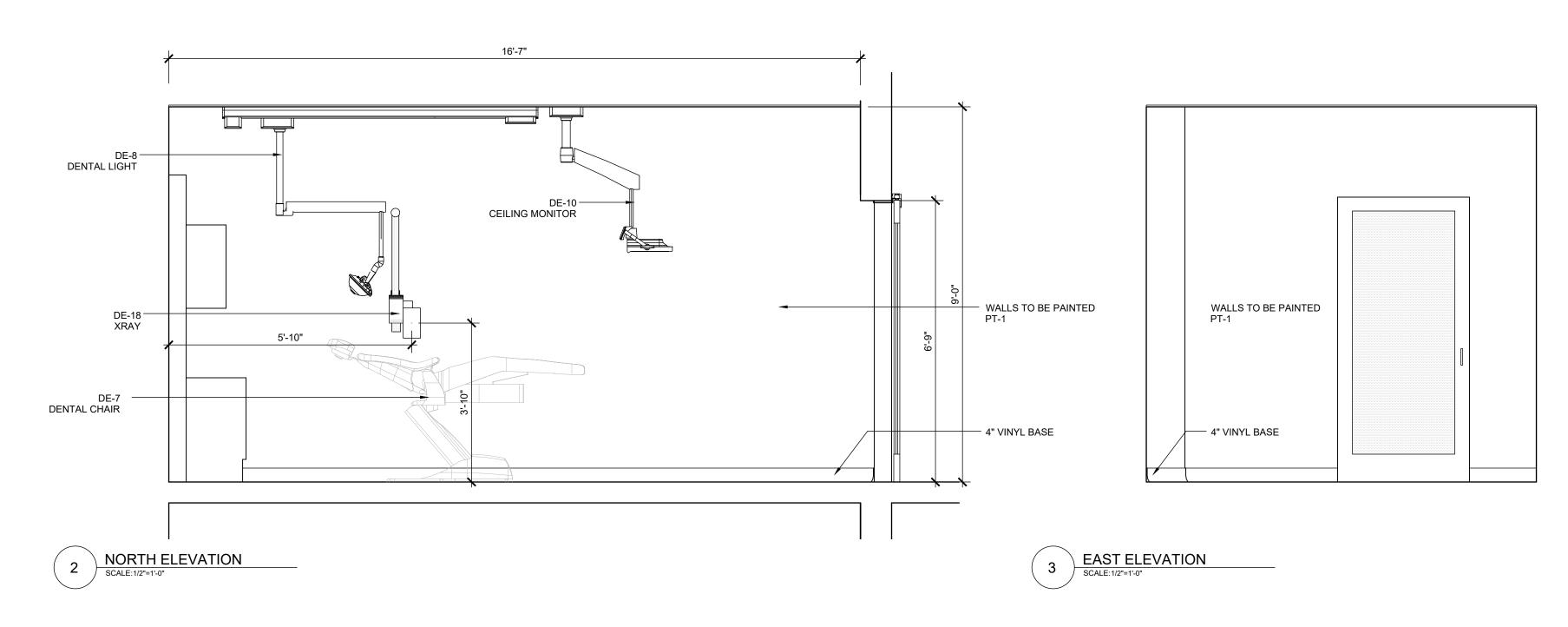
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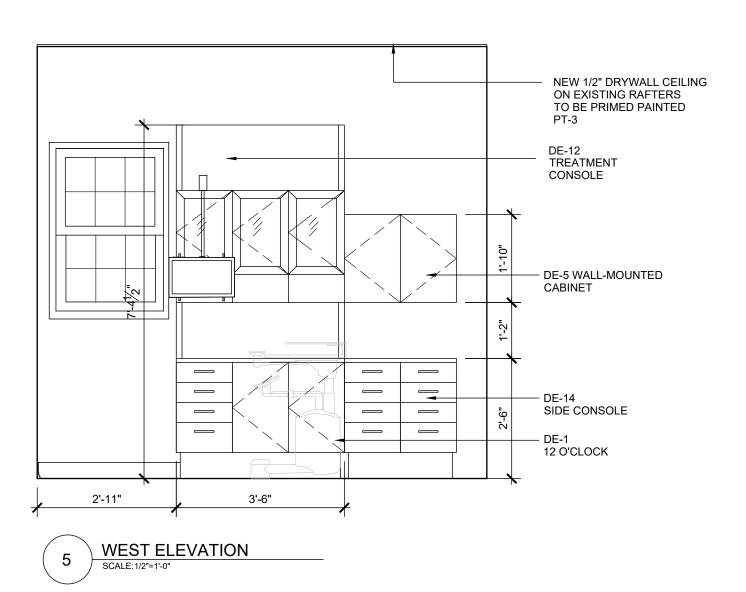
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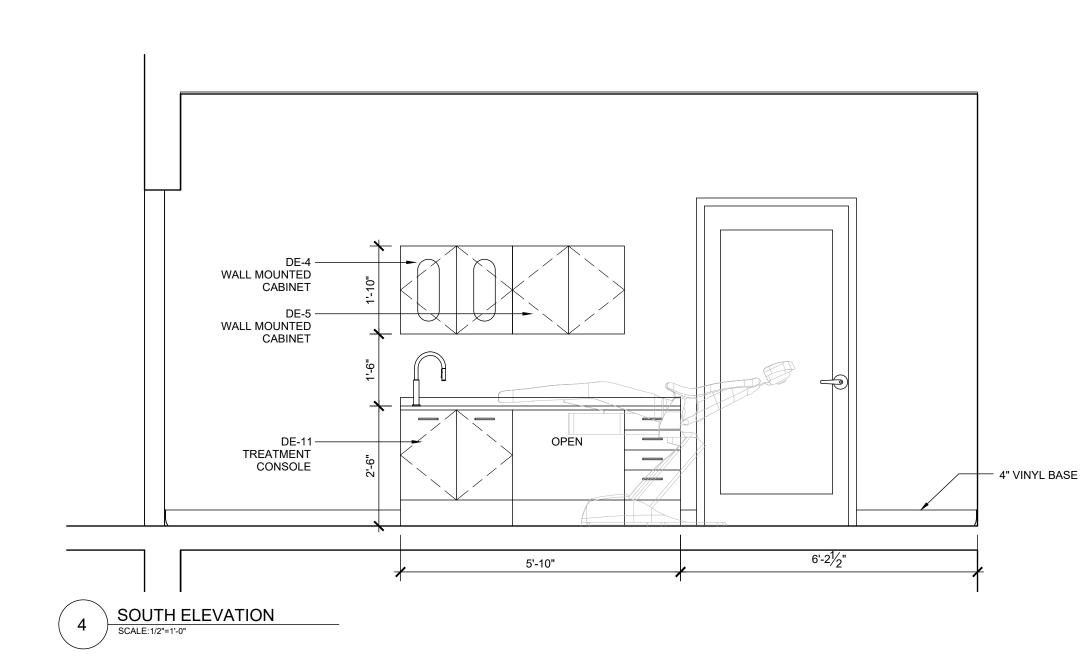
NOTE:

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MANGROVE BAY CLINIC RENOVATIONS & ADDITIONS

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55 MANGROVE BAY SANDYS

Title Sheet

DENTAL HYGIENE INTERIOR ELEVATIONS

Project No. 2021 15

Date: 31.01.23 Scale: AS NOTED

Drawn:TG Chk'd: TG

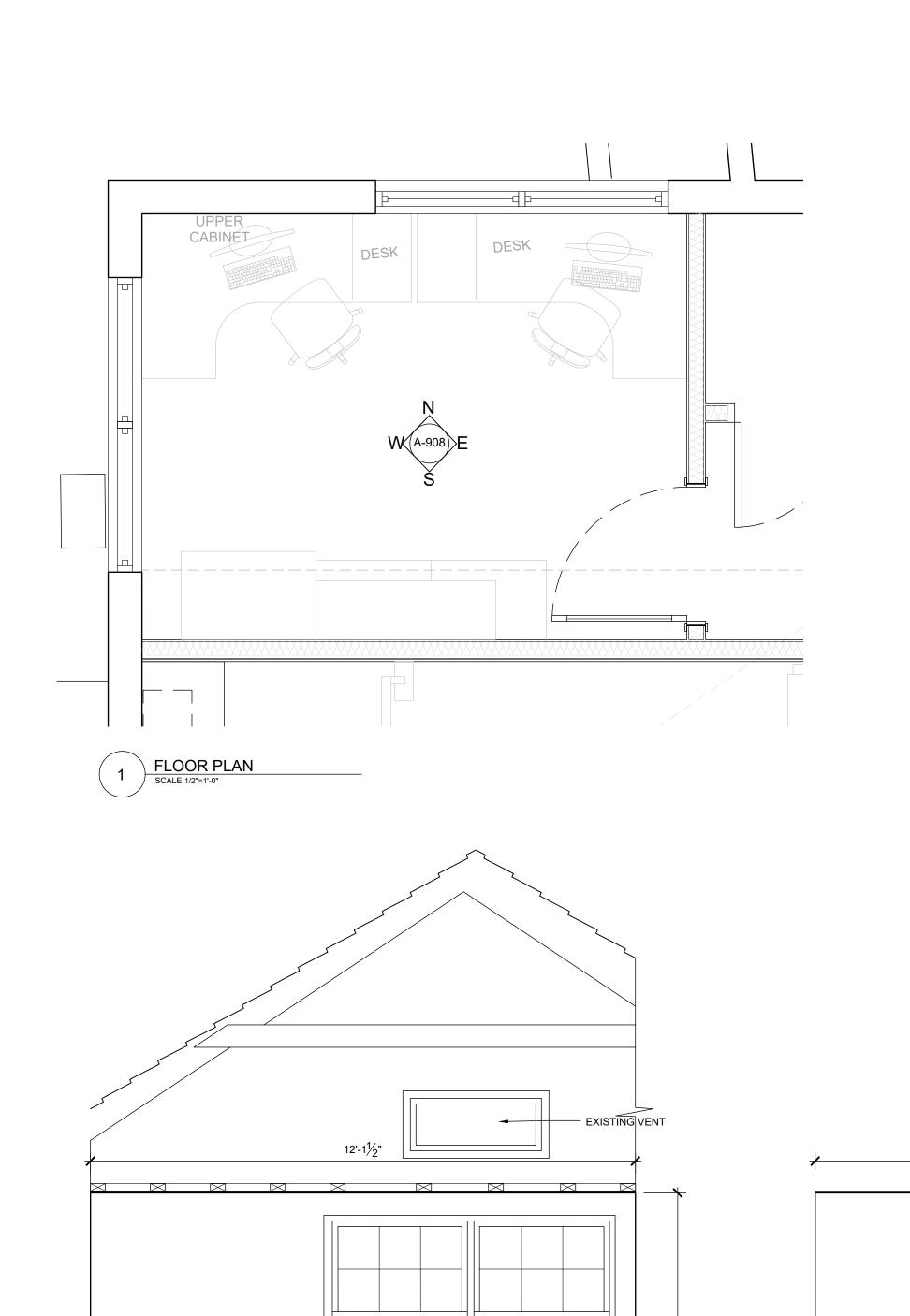
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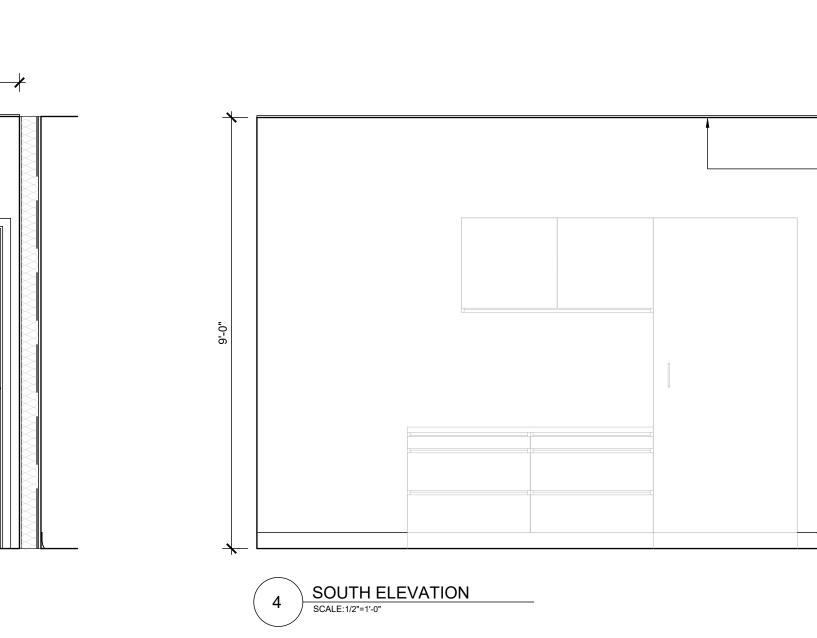
NOTE:

ALL DENTAL EQUIPMENT TO BE COORDINATED WITH HENRY SHEIN EQUIPMENT DETAILS AND MOUNTING HEIGHT REQUIREMENTS

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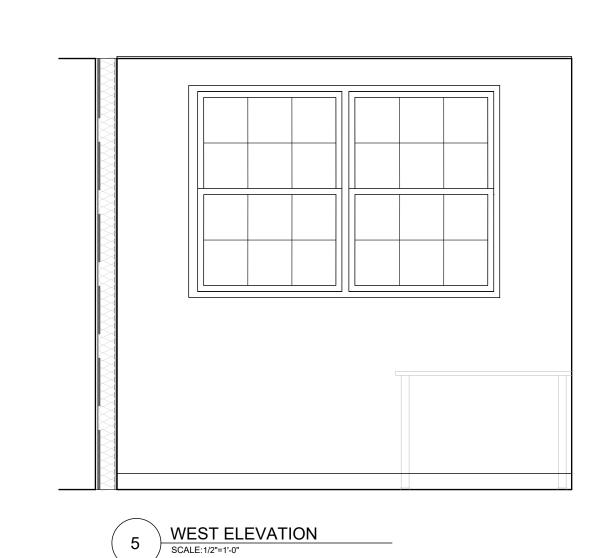


2 NORTH ELEVATION
SCALE:1/2"=1'-0"



9'-51/2"

3 EAST ELEVATION
SCALE:1/2"=1'-0"



NEW 1/2" DRYWALL CEILING ON NEW BLOCKING FRAME TO BE PRIMED PAINTED PT-3

─ VINYL BASE VT-2

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17.04.2023 CLIENT REVIEW Issue Date Description

Issue Status

BUILDING CONTROL

DEPARTMENT OF HEALTH

Project

MANGROVE BAY CLINIC RENOVATIONS & ADDITIONS

Project Address

55 MANGROVE BAY SANDYS

Title Sheet

COMMUNITY HEALTH OFFICE INTERIOR ELEVATIONS

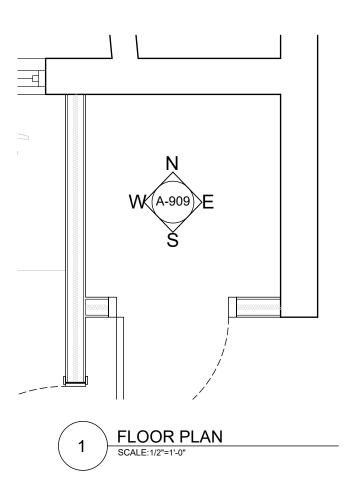
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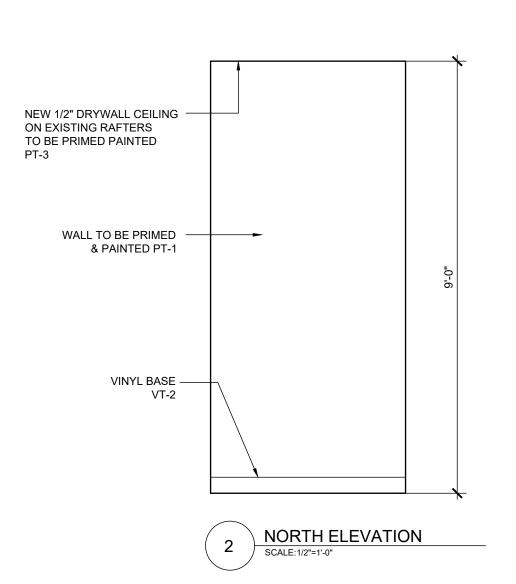
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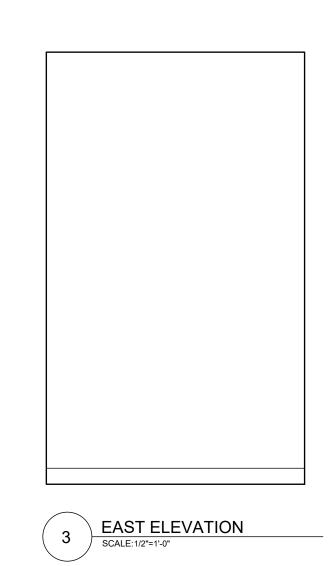
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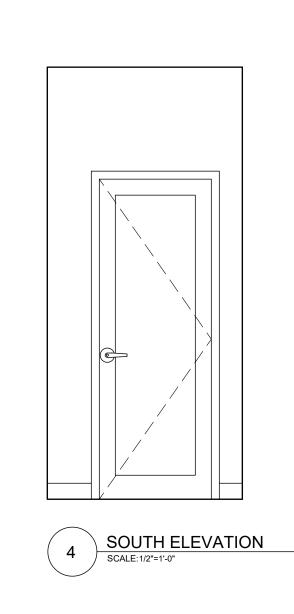
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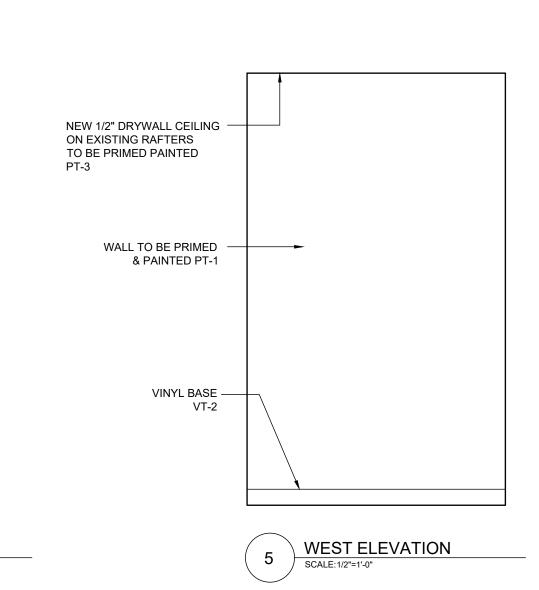
REV: -











TIKA GILBERT

ARCHITECTS

T:41-543-9701 E:info@tga.bm W:www.tga.bm

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LIST OF INFORMANTS/CONSULTANTS

ENTECH LTD

ISLAND AUTOMATION

HENRY SHEIN

BERMUDA AIR CONDITIONING

Issue Status

Client

BUILDING CONTROL

Issue Date Description

DEPARTMENT OF HEALTH

17.04.2023 CLIENT REVIEW

Project

MANGROVE BAY CLINIC RENOVATIONS & ADDITIONS

Project Address

55 MANGROVE BAY SANDYS

Title Sheet

IT CLOSET
INTERIOR ELEVATIONS

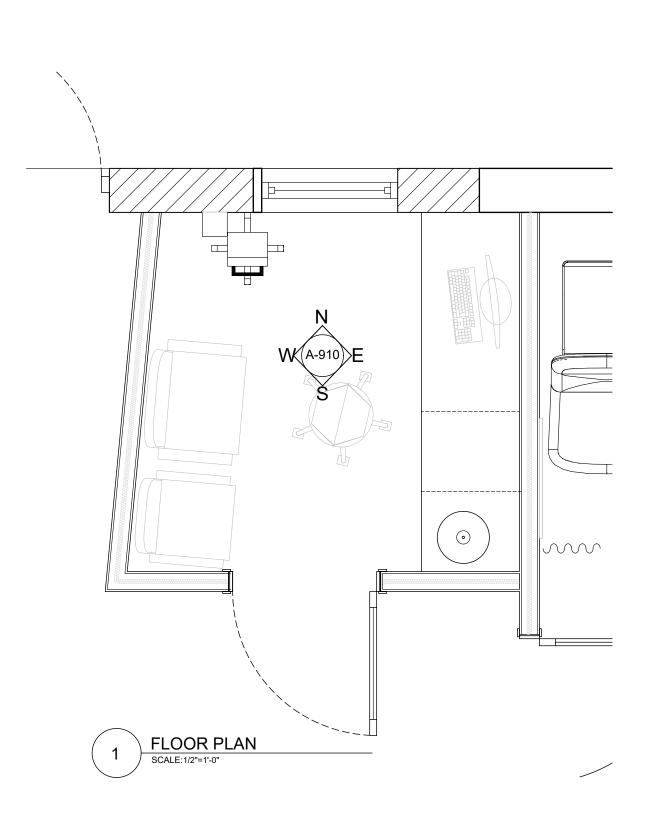
Project No. 2021 15

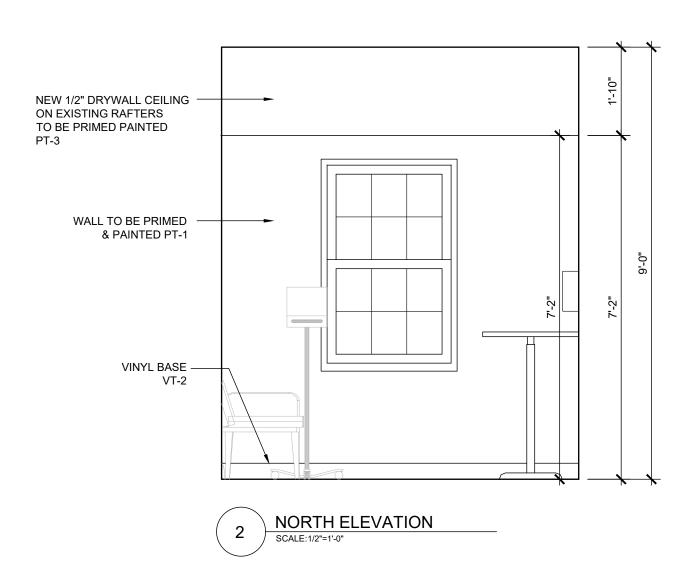
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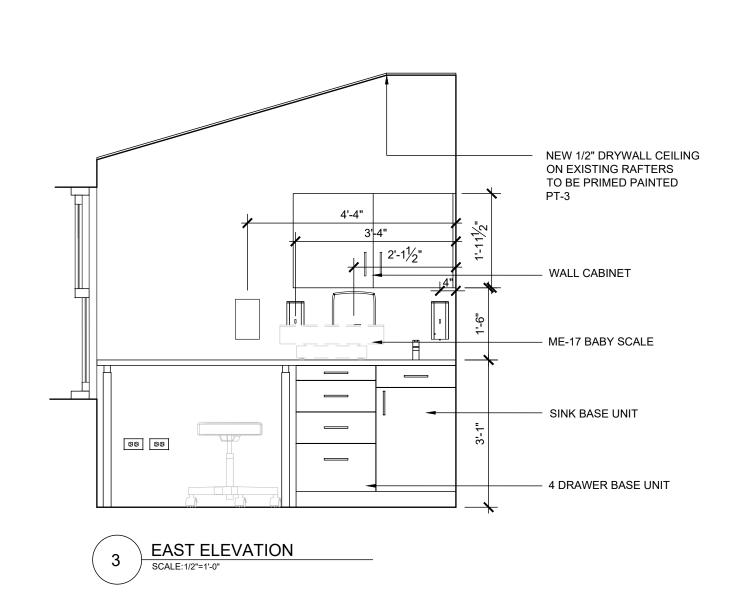
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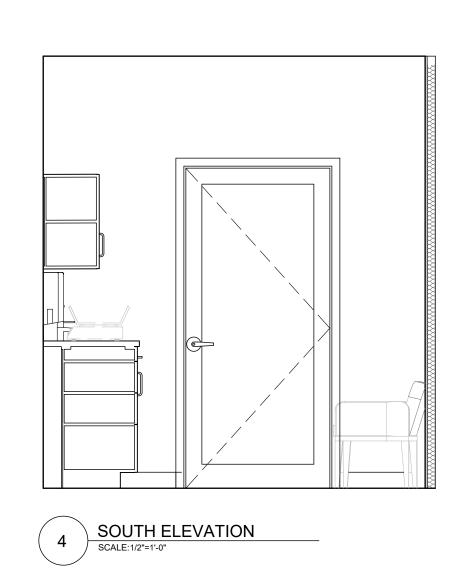
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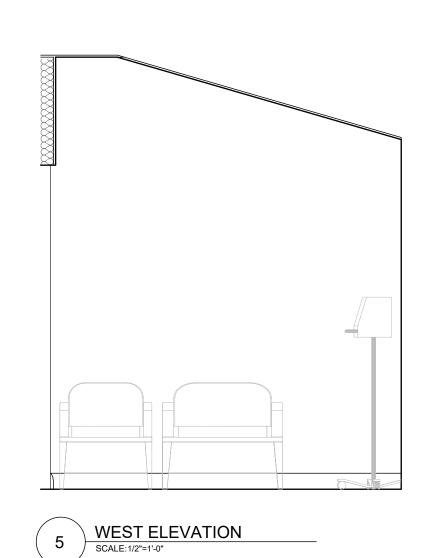
Sheet No.:











GENERAL NOTES

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HENRY SHEIN

17.04.2023 CLIENT REVIEW Issue Date Description

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BUILDING CONTROL

DEPARTMENT OF HEALTH

Project

Client

MANGROVE BAY CLINIC RENOVATIONS

Project Address

55 MANGROVE BAY SANDYS

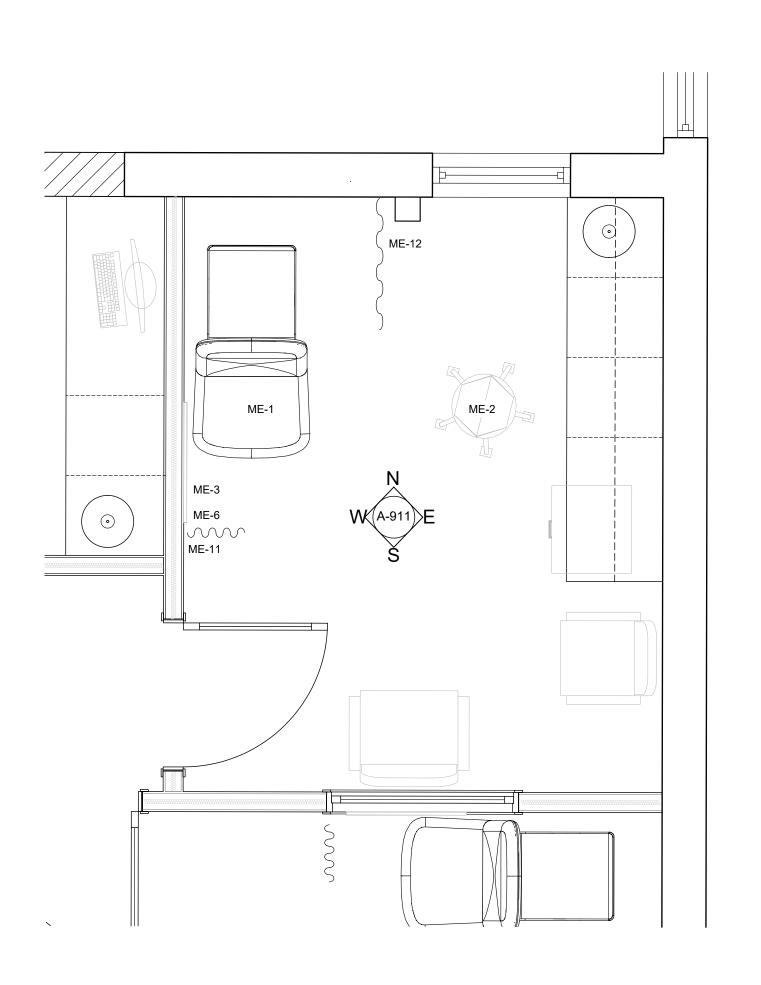
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INTERVIEW ROOM INTERIOR ELEVATIONS

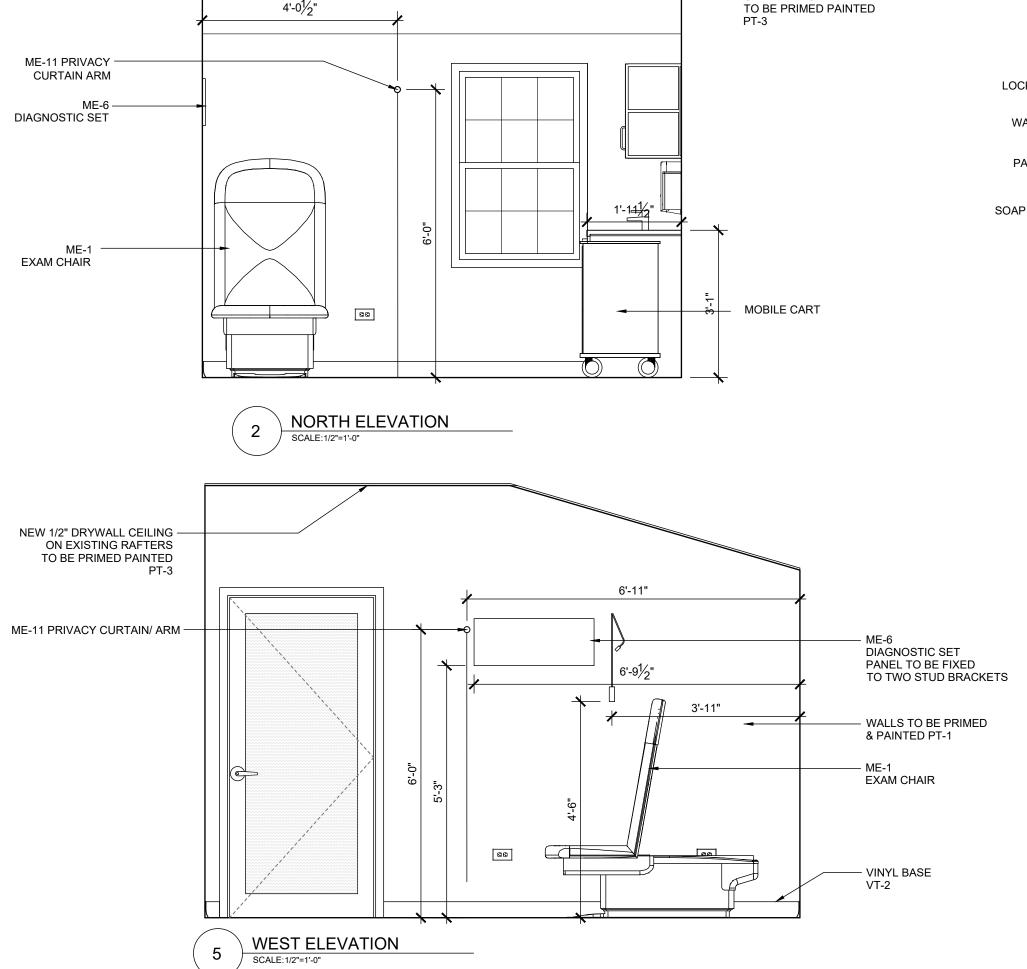
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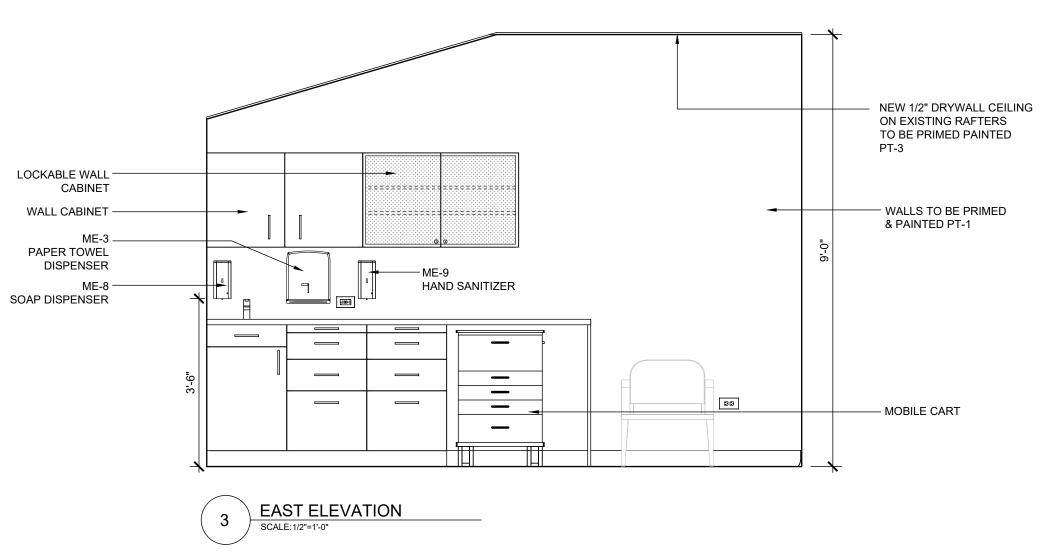
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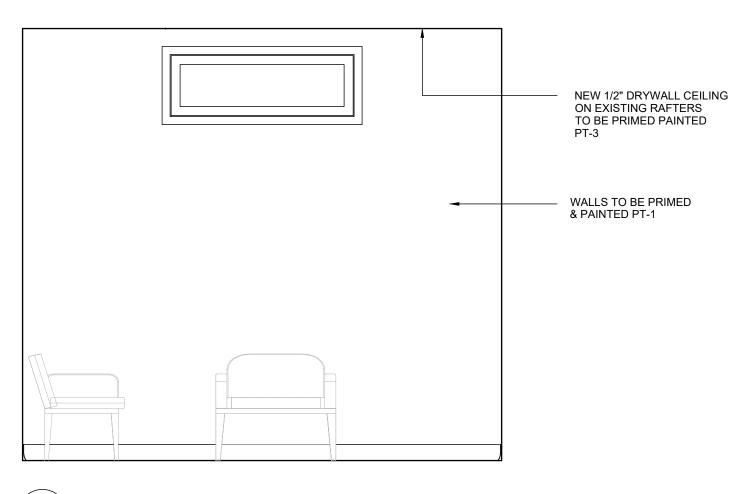






NEW 1/2" DRYWALL CEILING ON EXISTING RAFTERS





4 SOUTH ELEVATION
SCALE:1/2"=1'-0"

TIKA GILBERT

ARCHITECT

ARCHITECT

W:www.tga.bm

W:www.tga.bm

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BUILDING CONTROL

DEPARTMENT OF HEALTH

Project

MANGROVE BAY CLINIC RENOVATIONS & ADDITIONS

Project Address

55 MANGROVE BAY

SANDYS

Title Sheet

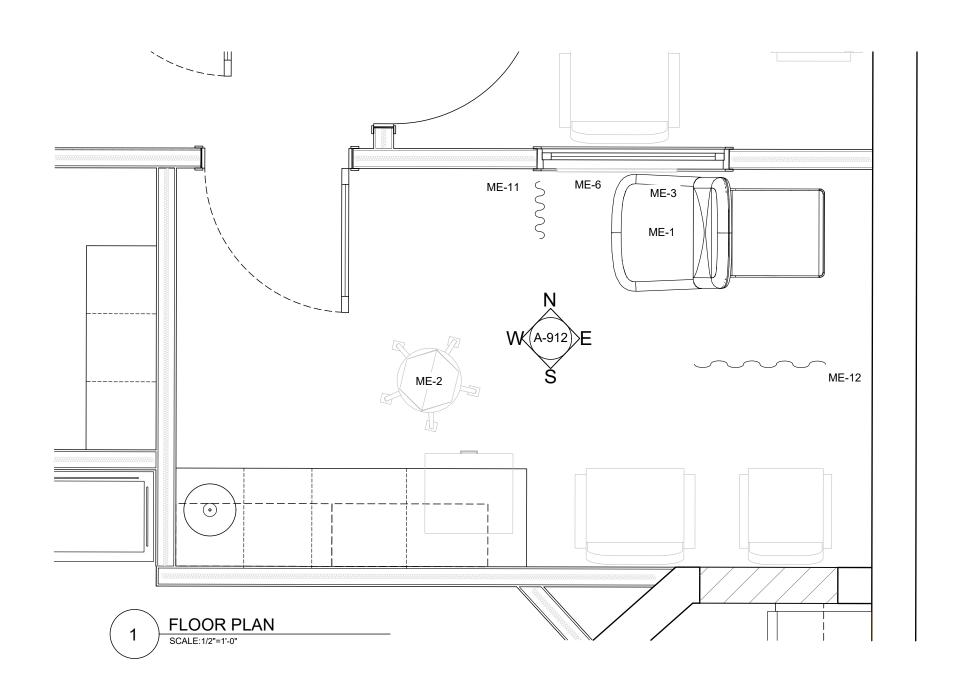
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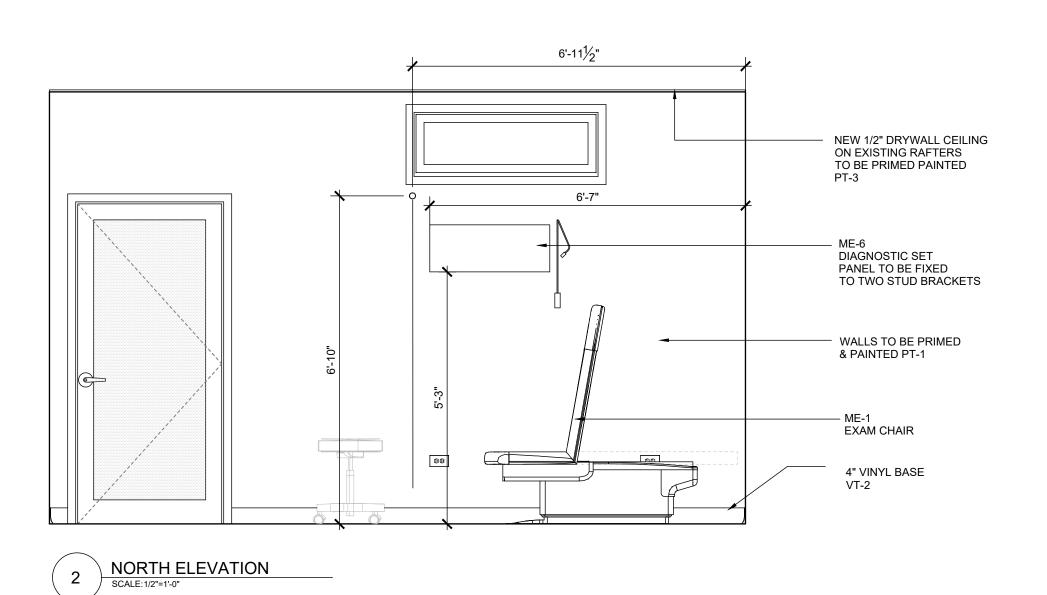
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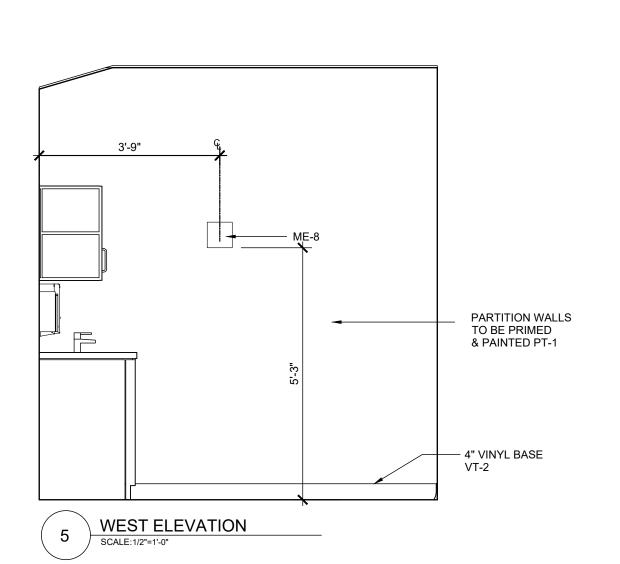
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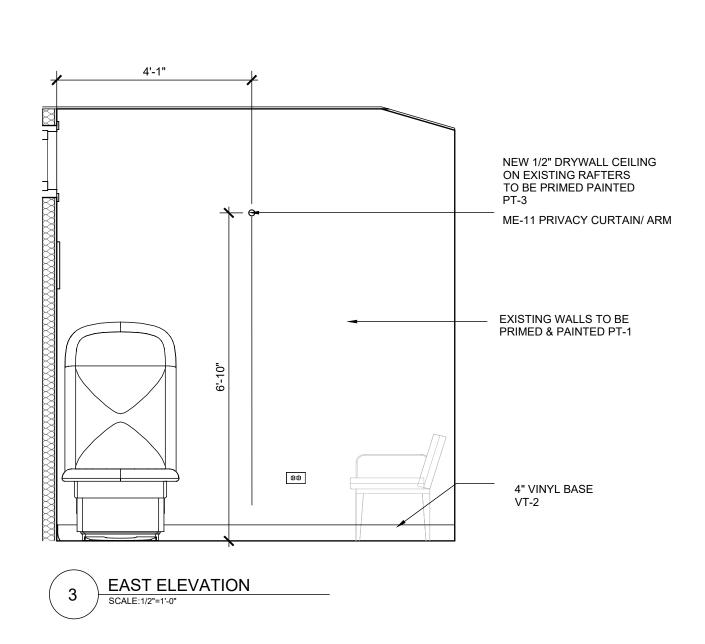
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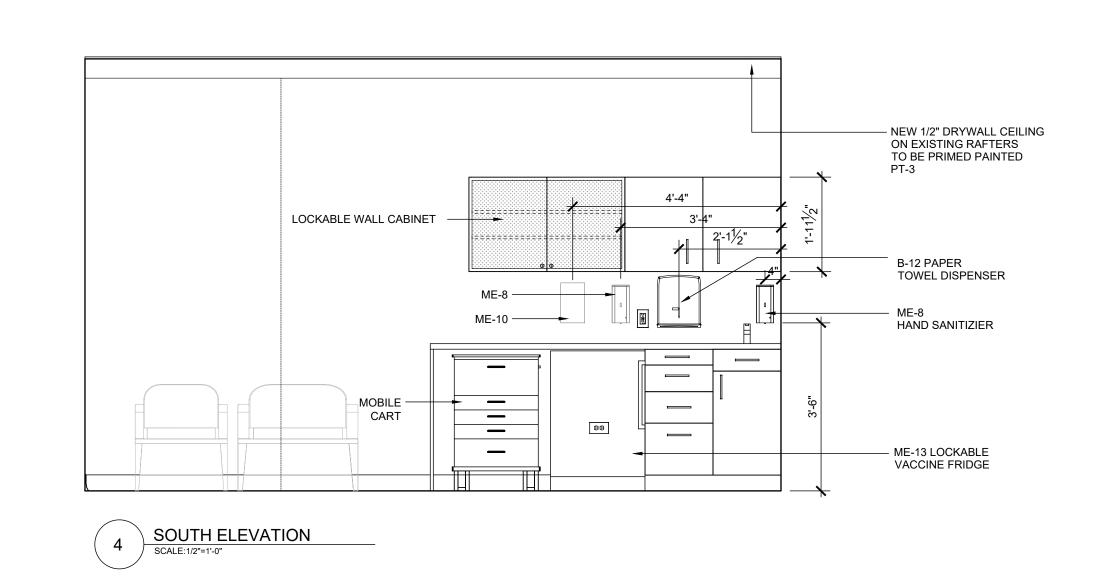
A-911













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ENTECH LTD

ISLAND AUTOMATION

BERMUDA AIR CONDITIONING

HENRY SHEIN

17.04.2023 CLIENT REVIEW

Issue Date Description

Issue Status

BUILDING CONTROL
Client

DEPARTMENT OF HEALTH

Project

MANGROVE BAY CLINIC RENOVATIONS & ADDITIONS

Project Address

55 MANGROVE BAY

SANDYS
Title Sheet

ISOLATION/VACCINE ROOM INTERIOR ELEVATIONS

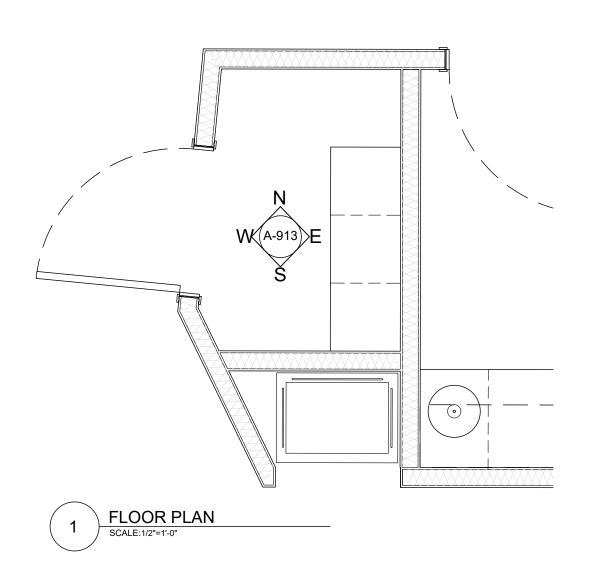
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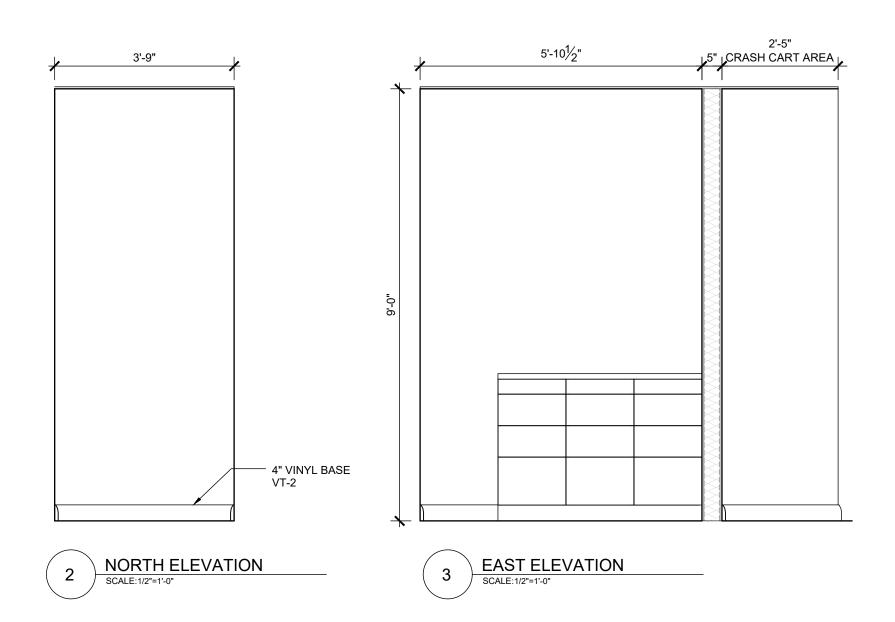
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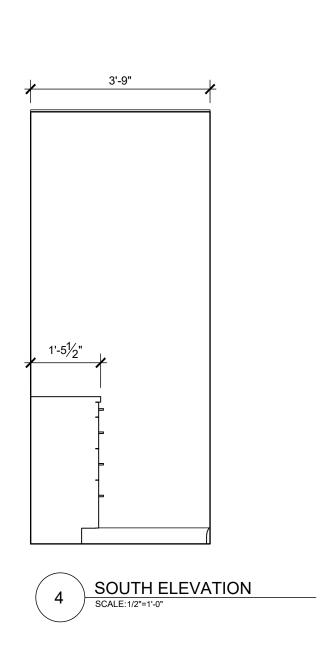
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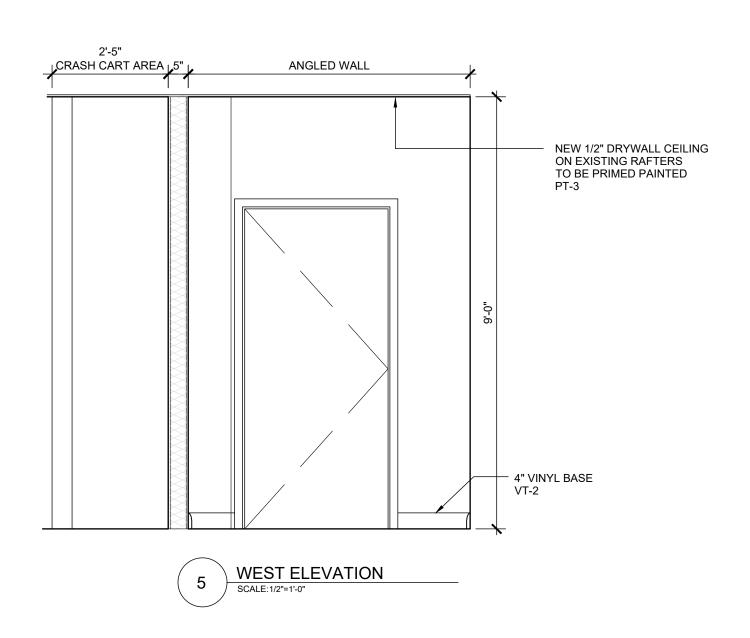
Sheet No.:

A-912











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ENTECH LTD

ISLAND AUTOMATION BERMUDA AIR CONDITIONING

HENRY SHEIN

	17.04.2023	CLIENT REVIEW
Issue	Date	Description

Issue Status

BUILDING CONTROL

DEPARTMENT OF HEALTH

MANGROVE BAY CLINIC RENOVATIONS & ADDITIONS

Project Address

55 MANGROVE BAY SANDYS

Title Sheet

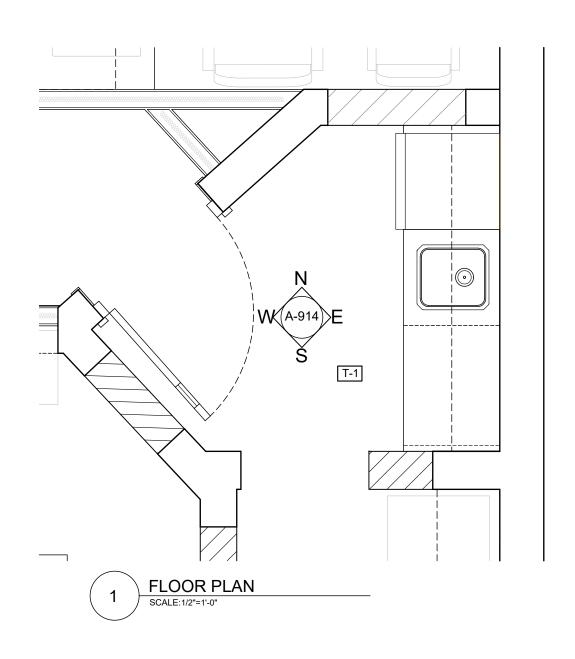
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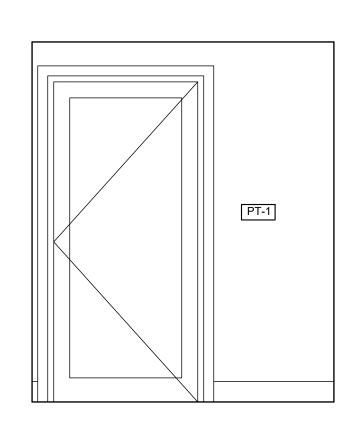
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Date: 08.08.22 Scale: AS NOTED

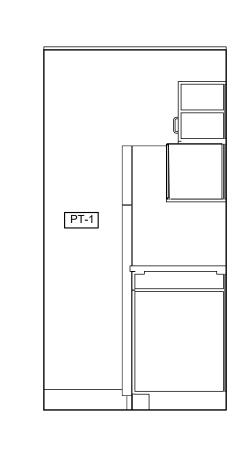
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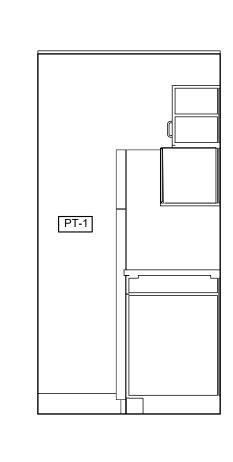


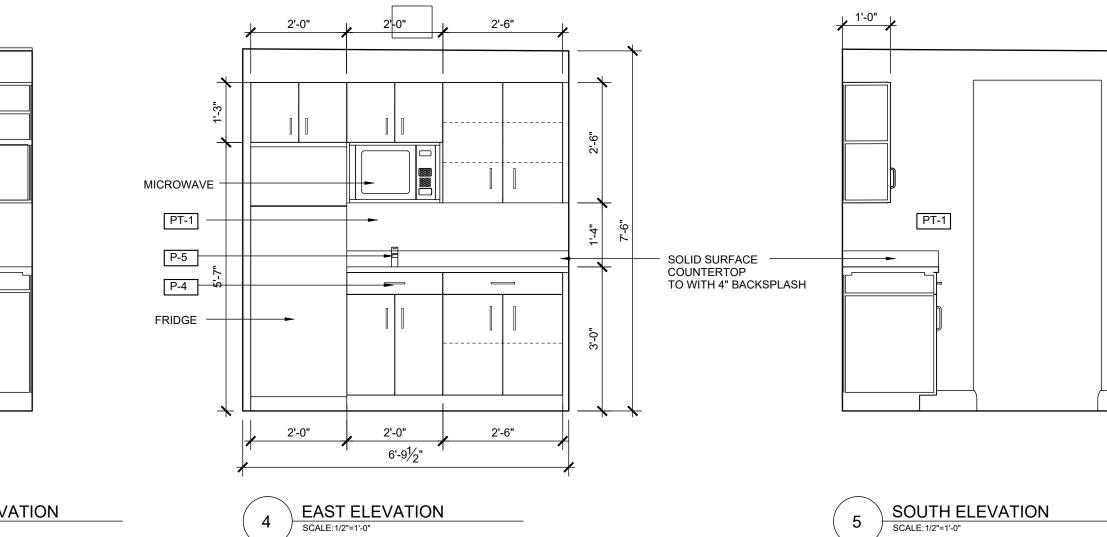






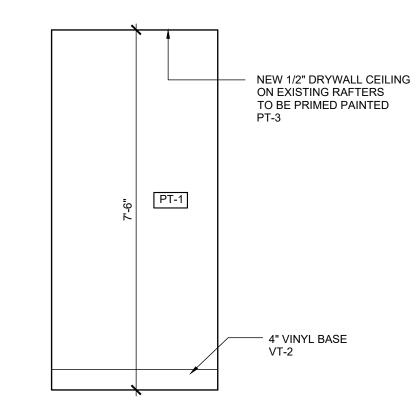






5 SOUTH ELEVATION

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



6 WEST ELEVATION

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



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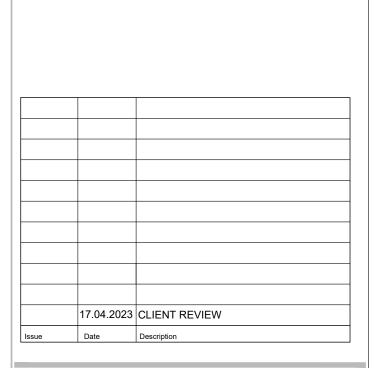
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Issue Status

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Client DEPARTMENT OF HEALTH

MANGROVE BAY CLINIC RENOVATIONS & ADDITIONS

Project Address

55 MANGROVE BAY

SANDYS

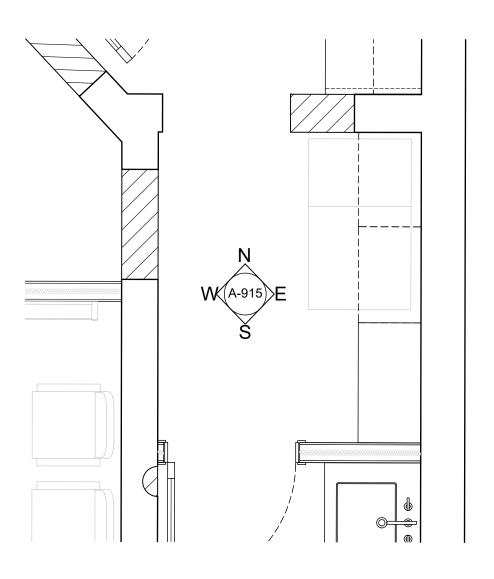
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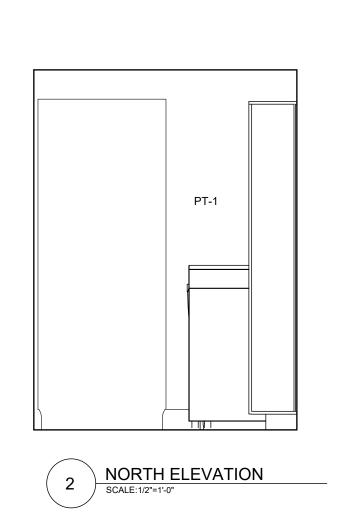
KITCHEN INTERIOR ELEVATIONS

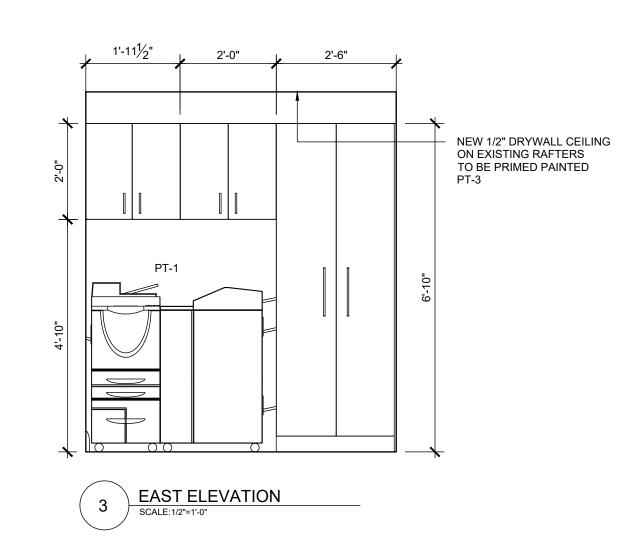
Project No. 2021 15 Date: 08.08.22

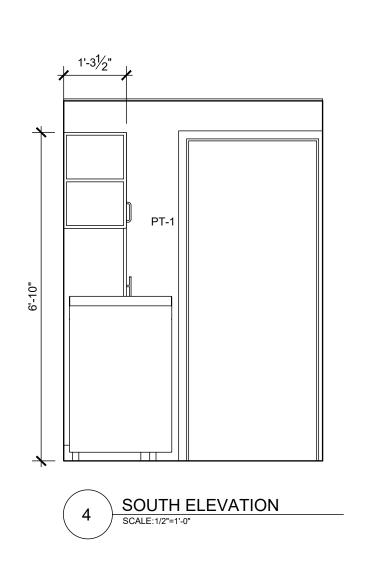
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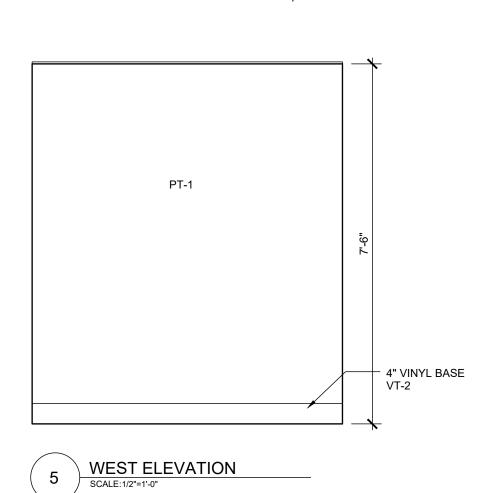
Scale: AS NOTED Chk'd: TG











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ISLAND AUTOMATION BERMUDA AIR CONDITIONING

HENRY SHEIN

17.04.2023 CLIENT REVIEW Issue Date Description

Issue Status

BUILDING CONTROL

DEPARTMENT OF HEALTH

MANGROVE BAY CLINIC RENOVATIONS & ADDITIONS

Project Address

55 MANGROVE BAY SANDYS

Title Sheet

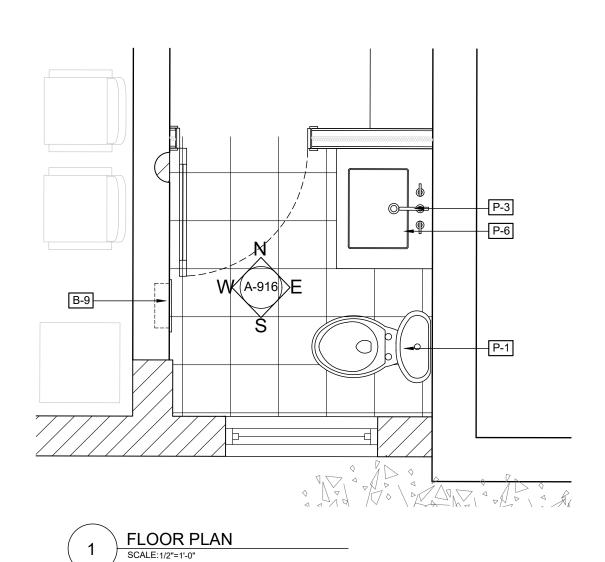
OFFICE SUPPLY ROOM INTERIOR ELEVATIONS

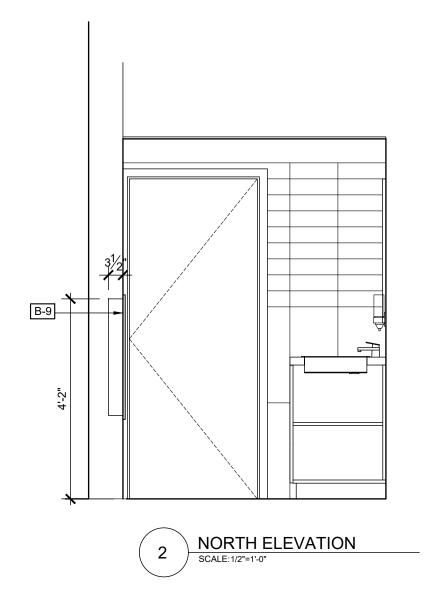
Project No. 2021 15

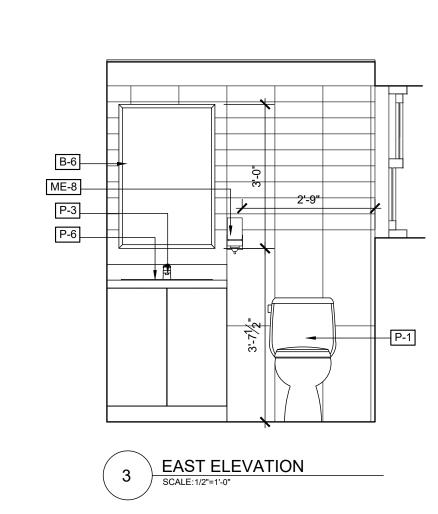
Date: 08.08.22 Scale: AS NOTED

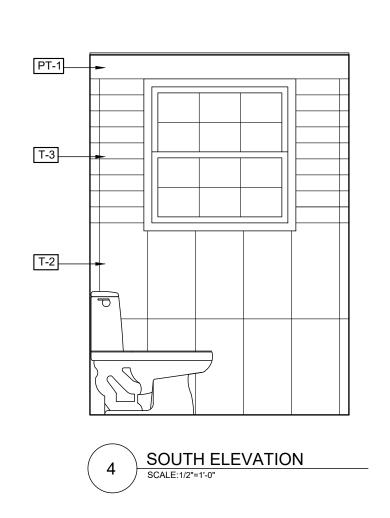
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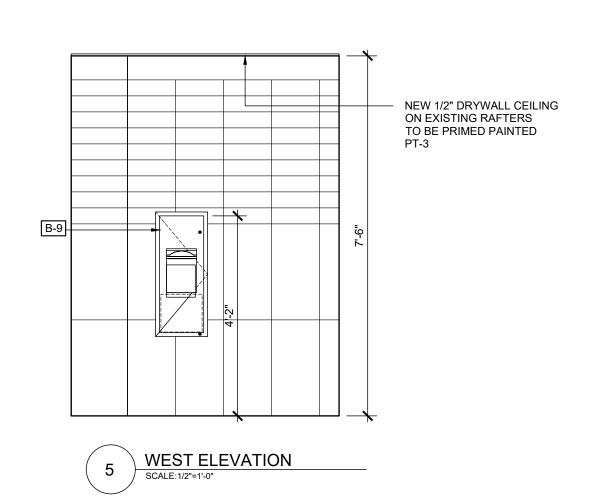
A-915













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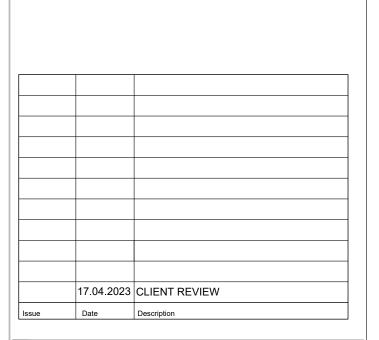
LIST OF INFORMANTS/CONSULTANTS

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ISLAND AUTOMATION

BERMUDA AIR CONDITIONING

HENRY SHEIN



Issue Status

BUILDING CONTROL

DEPARTMENT OF HEALTH

Proi

MANGROVE BAY CLINIC RENOVATIONS & ADDITIONS

Project Address

55 MANGROVE BAY SANDYS

Title Sheet

PATIENT TOILET INTERIOR ELEVATIONS

Project No. 2021 15

Date: 08.08.22 Scale: AS NOTED

Drawn:TG
Sheet No.:

Chk'd: TG

A-916

REV: -

MEDICAL EQUIPMENT LEGEND							
NO.	MANUFACTURER	PRODUCT	SIZE	FINISH/COLOR	NOTES		
ME-1	UMF MEDICAL	POWERED EXAM CHAIR		UPHOLSTERY TYPE:PREFIX UPHOLSTERY COLOR: BLUE SKIES			
ME-2	UMF MEDICAL	EXAM STOOL		UPHOLSTERY TYPE:PREFIX UPHOLSTERY COLOR: BLUE SKIES			
ME-3	WELCHALLYN	MEDICAL EXAM LIGHT					
ME-4	UMF MEDICAL	MAYO STAND/INSTRUMENT STAND					
ME-5	UMF MEDICAL	PROCEDURES STATION (MODULAR)					
ME-6	WELCHALLYN	WALL MOUNTED DIAGNOSTIC SET					
ME-7		WALL MOUNTED SHARPS BOX					
ME-8		WALL MOUNTED SOAP DISPENSER					
ME-9		WALL MOUNTED HAND SANITIZER					
ME-10	MEDICUS HEALTH	GLOVE DISPENSER - TRIPLE LOAD COATED METAL					
ME-11	NOVUM	RENAISSANCE PRIVACY/CURTAINS, RTS-48 TELESCOPIC ARM					
ME-12	NOVUM	RENAISSANCE PRIVACY/CURTAINS, RTS-84 TELESCOPIC ARM					
ME-13	ACCUCOLD	6 CU.FT ADA HGT VACCINE FRIDGE					
ME-14		AUTOMATIC HAND SANITIZER DISPENSER STAND					
ME-15	MEDLINE	COMBO GLOVE/MASK DISPENSER					
ME-16		WHEELED BLOOD PRESSURE MONITOR					
ME-17	DETECTO	INFANT SCALE					
ME-18	TANITA	BODY MASS SCALE					
ME-19	SECA	MOBILE MEASURING MAT					

WASHROOM ACCESSORIES							
NO.	MANUFACTURER	PRODUCT	SIZE	FINISH/COLOR	NOTES		
B-1	BOBRICK	B-6806X36 STRAIGHT GRAB BAR	3'-2" x 5'-9"	STAINLESS STEEL			
B-2	BOBRICK	B-6806X42 STRAIGHT GRAB BAR	3'-2" x 5'-9"	STAINLESS STEEL			
B-3	BOBRICK	B-35745 CLASSIC: RECESSED SEAT-COVER DISPENSER, SANITARY NAPKIN DISPOSAL AND TOILET TISSUE DISPENSER	3'-2" x 5'-9"	STAINLESS STEEL			
B-4	BOBRICK	B-50517 SPECIMEN PASS-THRU CABINET		STAINLESS STEEL			
B-5	BOBRICK	B-166 2436 SERIES CHANNEL-FRAMED MIRROR/SHELF COMBINATION	24" x 36"	STAINLESS STEEL			
B-6	BOBRICK	B-165 2436 SERIES CHANNEL-FRAMED MIRROR	24" x 36"	STAINLESS STEEL			
B-7	BOBRICK	B-2012 AUTOMATIC WALL MOUNTED SOAP DISPENSER		STAINLESS STEEL			
B-8	BOBRICK	B-38030 RECESSED PAPER TOWEL DISPENSER/AUTOMATIC HAND DRYER/WASTE BIN		STAINLESS STEEL			
B-9	BOBRICK	B-36903 RECESSED PAPER TOWEL DISPENSER		STAINLESS STEEL			
B-10	BOBRICK/KOALA KARE	KB310-SSRE BABY CHANGING TABLE		STAINLESS STEEL			

PLUMBING FIXTURES								
NO.	MANUFACTURER	PRODUCT	SIZE	FINISH/COLOR	NOTES			
P-1	KOHLER	K-3519-RA-0 HIGHLINE CLASSIC COMFORT HEIGHT		WHITE	K-4636-0 QUIET-CLOSE ELONGATED TOILET SEAT			
P-2	AMERICAN STANDARD	9024.001EC DECORUM 20"x18" WALL-HUNG LAVATORY WITH EVERCLEAN		WHITE				
P-3	AMERICAN STANDARD	6055104.002 SELECTRONIC CAST TOUCHLESS METERING FAUCET		POLISHED CHROME	BATTERY OPERATED			
P-4	AMERICAN STANDARD	PORTSMOUTH UNDERMOUNT SINGLE-BOWL KITCHEN SINK		STAINLESS STEEL				
P-5	AMERICAN STANDARD	6055164.002 SELECTRONIC GOOSENECK TOUCHLESS METERING FACUET		POLISHED CHROME	BATTERY OPERATED			
P-6	KOHLER	K-20000 CAXTON RECTANGLE UNDERMOUNT SINK		WHITE				
P-7	MCMASTER-CARR	25 1/8" FREE STANDING JANITORIAL SINK	20"X23"	WHITE				
P-8	AMERICAN STANDARD	8344012.002 WALL- MOUNT SERVICE FAUCET 6" VACUUM BREAKER		POLISHED CHROME				

FLOOR FINISHES										
NO.	MANUFACTURER	PRODUCT	SIZE	FINISH/COLOR	NOTES					
T-1	EDIMAX CERAMICHE ASTOR	FEEL FLOOR TILE	12"x12"	GREY RETT						
VT-1	INTERFACE	STUDIO SET		PEWTER						
VT-2	ROPPE	VINYL WALL BASE	4" HIGH	BLACK						

WA	LL FINISHES				
NO.	MANUFACTURER	PRODUCT	SIZE	FINISH/COLOR	NOTES
T-2	EDIMAX CERAMICHE ASTOR	FEEL WALL TILE	12"x12"	WHITE RETT	
T-3	EDIMAX CERAMICHE ASTOR	FEEL WALL TILE	4"x12"	WHITE RETT	
PT-	1 PPG	WALL PAINT		PPG 1001-1 DELICATE WHITE	LOW SHEEN
PT-	2 PPG	WALL PAINT		PPG 1163-6 BLUE FJORD	LOW SHEEN

CEILIN	CEILING FINISHES										
NO.	MANUFACTURER	PRODUCT	SIZE	FINISH/COLOR	NOTES						
PT-3	PPG			PPG 1025-1 COMMERCIAL WHITE							
					_						



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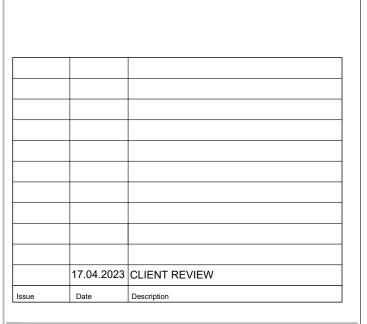
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LIST OF INFORMANTS/CONSULTANTS

ENTECH LTD

ISLAND AUTOMATION

BERMUDA AIR CONDITIONING HENRY SHEIN



Issue Status

BUILDING CONTROL

DEPARTMENT OF HEALTH

MANGROVE BAY CLINIC RENOVATIONS & ADDITIONS

Project Address

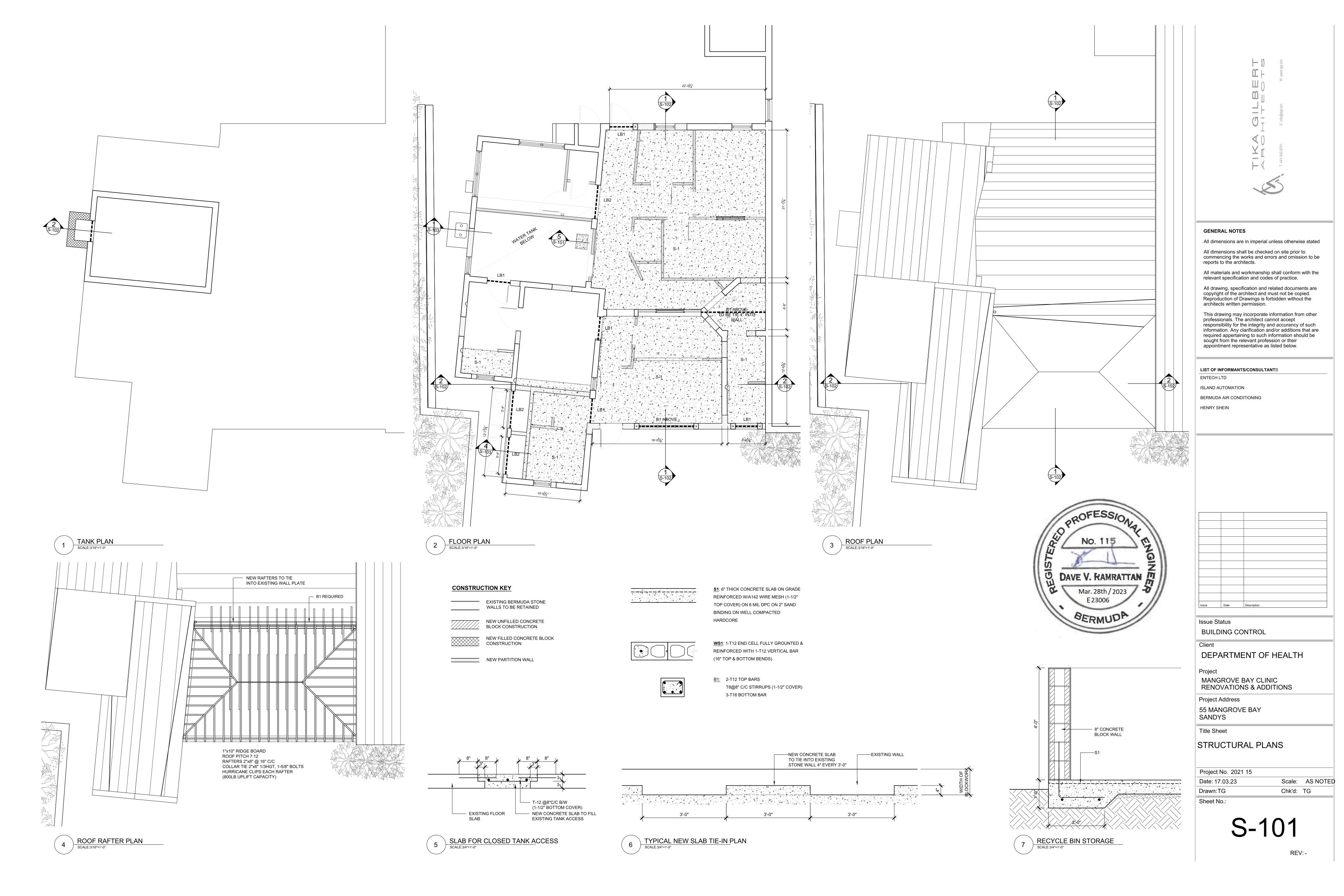
55 MANGROVE BAY SANDYS

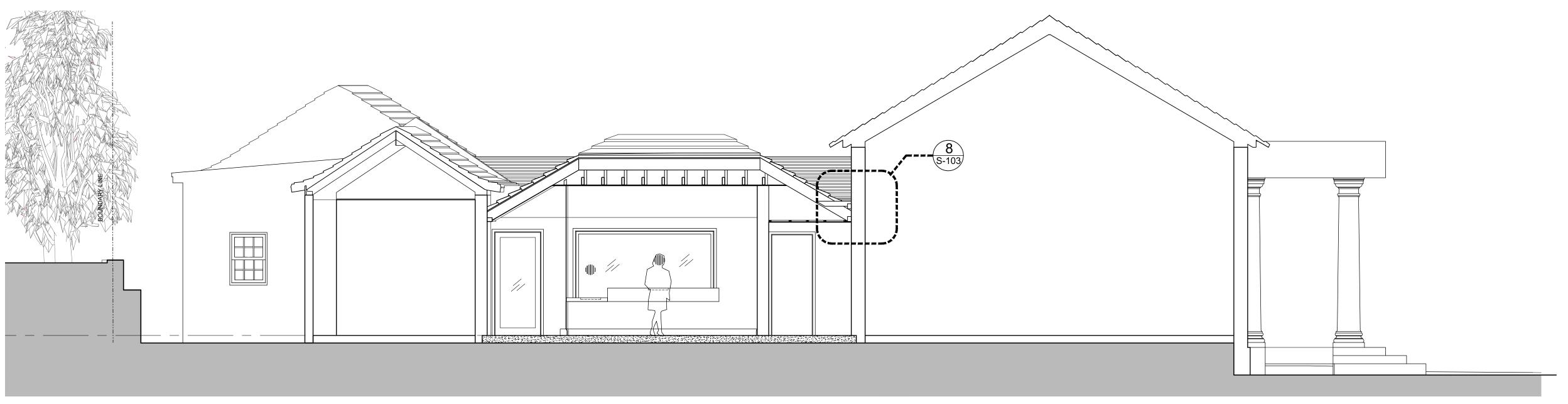
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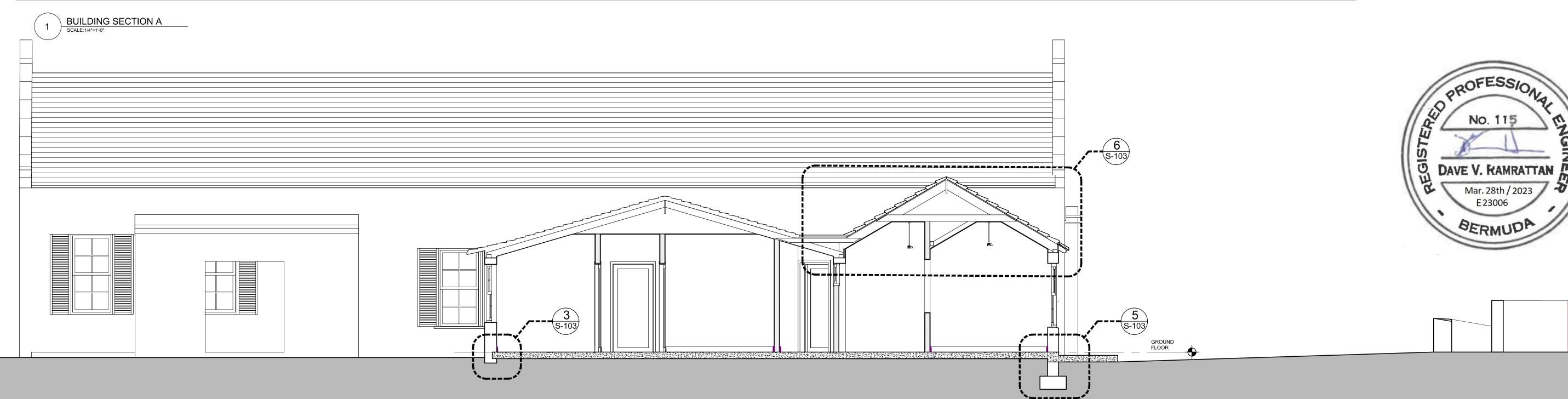
SCHEDULES

Project No. 2021 15

Date: 31.01.23 Scale: AS NOTED Drawn:TG Chk'd: TG









SPECIFICATIONS FOR THIS PACKAGE.

- 1.1. THESE NOTES APPLY TO ALL STRUCTURAL DRAWINGS.
- 1.2. CHECK ALL DIMENSIONS ON STRUCTURAL DETAILS WITH THE ARCHITECTURAL DRAWINGS. REPORT ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK.
- 1.3. UNLESS NOTED OTHERWISE (UNO) THE CONTRACTOR SHALL SUPPLY ALL OF THE NECESSARY MATERIALS TO COMPLETE THE WORK.
- 1.4. DO NOT SCALE THE DRAWINGS. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD PRIOR TO COMMENCING WORK.
- 1.5. WHERE SITE CONDITIONS VARY FROM THE RECORD DRAWINGS, THE CONTRACTOR SHALL CONTACT A REGISTERED STRUCTURAL ENGINEER TO OBTAIN ALTERNATIVE DETAILS.
- 1.6. CONTRACTOR TO ENSURE THAT THE CONSTRUCTION LOADS DO NOT THE EXCEED DESIGN LOADS.
- 2. DEMOLITION, EXCAVATION AND EARTHWORK.
- 2.1 PRIOR TO THE COMMENCEMENT OF WORK, THE CONTRACTOR SHALL SUBMIT WRITTEN PROPOSALS TO A REGISTERED STRUCTURAL ENGINEER, FOR APPROVAL, DETAILING HOW THEY INTEND TO
- SUPPORT ANY EXISTING STRUCTURE DURING CONSTRUCTION. 2.2. REMOVE EXISTING CONSTRUCTION AS INDICATED ON THE DRAWINGS. TAKE NECESSARY
- PRECAUTIONS TO SUPPORT THE STRUCTURE THAT IS TO REMAIN AND DISPOSE PROMPTLY OF MATERIALS FROM DEMOLITION OPERATIONS. ALL DEBRIS SHALL BE DISPOSED OFF AT LEGAL
- 2.3. CARE SHALL BE TAKEN DURING DEMOLITION OF THE EXISTING BUILDING SO AS NOT TO UNDULY DISTURB ANY PART OF THE EXISTING STRUCTURE THAT IS TO REMAIN. ALL EXCAVATION AND EARTHWORK IS TO BE CARRIED OUT IN ACCORDANCE WITH THE
- 2.4. PROVIDE NOTICE AND ACQUIRE ALL NECESSARY PERMITS FROM AGENCIES HAVING JURISDICTION OVER DEMOLITION AND ANY ASBESTOS REMOVAL.
- 2.5. ALL ROCK CUTS GREATER THAN 6' (SIX FEET) IN HEIGHT SHALL BE CERTIFIED BY A REGISTERED STRUCTURAL ENGINEER.
- 2.6. ALL EXCAVATIONS SHALL BE ADEQUATELY DEWATURED BEFORE CONCRETE IS PLACED.
- 2.7. BACKFILL MATERIAL SHALL BE FREE FROM ORGANIC MATTER, CONSTRUCTION DEBRIS AND LARGE ROCKS (GREATER THAN 3"(THREE INCHES)). THE BACKFILL SHALL BE PLACED IN LAYERS, NOT GREATER THAN 6" (SIX INCHES), WATERED AND COMPACTED.
- 2.8. WHERE SPECIFIED, ENGINEERED FILL SHALL BE GRADED LOCAL AGGREGATE (NOT GREATER THAN ONE INCH) 'SCREENINGS' FREE FROM ORGANICS AND DELETERIOUS MATERIAL AND APPROVED BY THE REGISTERED ENGINEER. THE FILL SHALL BE PLACED IN LIFTS OF NO GREATER THAN SIX INCHES. EACH LIFT SHALL BE WETTED AND COMPACTED TO A MINIMUM OF 95% OF THE MATERIAL'S MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D1557.
- 2.9. DO NOT BACKFILL AGAINST WALLS RETAINING EARTH UNTIL ELEMENTS PROVIDING LATERAL SUPPORT ARE STRUCTURALLY SOUND. FOR SUB-GRADE WALLS, PLACE BACKFILL SIMULTANEOUSLY ON BOTH SIDES.
- 3. FOUNDATIONS 12.4.THE DESIGN WIND PRESSURE IS 110MPH BASIC WIND SPEED, EXPOSURE C, 3 SECOND GUST

CONCRETE

- 4.1. ALL STRUCTURAL CONCRETE SHALL ACHIEVE A MINIMUM CYLINDER COMPRESSIVE STRENGTH OF 3500 PSI AT 28 DAYS, (UNO).
- 4.2. ALL RUBBLE CONCRETE SHALL ACHIEVE A MINIMUM CYLINDER COMPRESSIVE STRENGTH OF 1500 PSI AT 28 DAYS, (UNO).
- 4.3. CONCRETE SHALL BE MECHANICALLY COMPACTED IN THE APPROVED MANNER.
- 4.4. CONCRETE COVER TO REBARS SHALL BE AS FOLLOWS, (UNO):

LOCATION	CLEAR COVER
FOUNDATIONS	3" (THREE INCHES) TO EARTH FACE.
SLABS	1" (ONE INCH).
BEAMS	1½ "(ONE AND ONE-HALF INCHES).
SUSPENDED SLABS ON METAL DECKING	SEE DETAILS
COLUMNS	1½ "(ONE AND ONE-HALF INCHES).
RETAINING WALLS	3" (THREE INCHES) TO EARTH FACE.

- 4.5. CONCRETE MIX DESIGN TO BE SUBMITTED TO A REGISTERED STRUCTURAL ENGINEER FOR
- 4.6. NO ADDITIVES TO BE USED WITHOUT THE PRIOR APPROVAL FROM A REGISTERED STRUCTURAL ENGINEER.
- 4.7. ONLY PERSONNEL WITH EXPERIENCE IN STRUCTURAL CONCRETE SHALL BE RESPONSIBLE FOR THE PLACEMENT OF CONCRETE IN ACCORDANCE WITH SECTION 12 BRBC 2014.
- 4.8. DO NOT CUT OR CORE ANY OPENINGS OR THEIR LIKE IN ANY STRUCTURAL CONCRETE MEMBERS WITHOUT PRIOR WRITTEN APPROVAL FROM A REGISTERED STRUCTURAL ENGINEER.
- 4.9. CRYSTALLINE WATERPROOFING ADDITIVE TO BE USED IN ALL CONCRETE FOR ROOF SLABS, TANK BASE SLABS, AND TANK WALLS UNO. PROPRIETY PRODUCT TO BE APPROVED BY A REGISTERED

5.1. ALL STRUCTURAL MASONRY SHALL MEET THE FOLLOWING REQUIREMENTS

2000PSI COMPRESSIVE STRENGTH WITH AN 8" MAX. SLUMP.

HOLLOW BLOCK: CSA A165.1 - H/2800/A/M SOLD BLOCK: CSA A185.1 - S/2800/A/M

STRUCTURAL ENGINEER.

- MORTAR: CSA A179M TYPE S GROUT FOR BLOCK CORES: CSA A 179M COARSE GROUT (1:3:2, CEMENT:SAND:PEA STONE) SHALL BE
- 5.1. THE AVERAGE STRENGTH OF MASONRY UNITS SHALL BE 2000PSI BASED ON THE NET AREA OF THE BLOCK CELL. MASONRY UNITS SHALL CONFORM TO ASTM C90. ALL BLOCKWORK SHALL BE LAID IN
- 5.2. MORTAR SHALL BE 'TYPE S' IN ACCORDANCE WITH ASTM C270.

- 5.3. ALL CELLS TO BE FILLED ARE TO BE KEPT CLEAR OF OBSTRUCTIONS. ALL CELLS CONTAINING VERTICAL REINFORCEMENT SHALL BE FULLY GROUTED. WALLS ARE TO BE POURED IN MAXIMUM 4' HIGH LIFTS. CONCRETE IS TO BE STOPPED 2" FROM THE TOP OF THE BLOCK TO ALLOW THE NEXT LIFT TO KEY TOGETHER. ENSURE ADEQUATE LAP LENGTH OF VERTICAL REINFORCING IS OBTAINED PRIOR
- 5.4. ALL OPENINGS IN MASONRY WALLS ARE TO BE SPANNED BY REINFORCED CONCRETE LINTELS (REFER
- 5.5. MINIMUM BEARING OF REINFORCED CONCRETE BEAMS ONTO BLOCK WALLS SHALL BE 8" (UNO).
- 5.6. ALL LAP SPLICES IN BLOCKWORK REINFORCEMENT SHALL BE AS NOTED IN SECTION 7.
- 5.7. BLOCKWORK BUTTING UP TO CONCRETE PIERS, COLUMN ENCASEMENTS, OR WALLS, SHALL BE TOOTHED EVERY 2ND COURSE (8" MIN).
- 5.8. ALL MASONRY WALLS ARE TO RECEIVE A BOND BEAM ON TOP AND AT EACH FLOOR LEVEL. BOND BEAMS ARE TO BE WIDTH OF WALL WIDE x 8" DEEP REINFORCED WITH 2T12 BARS CONTINUOUS (UNO). BOND BEAM REINFORCEMENT IS TO BE EXTENDED INTO AND BE CONTINUOUS WITH ALL INTERSECTING BOND BEAMS. WHERE BOND BEAMS BUTT UP TO STRUCTURAL STEEL, 6" x 6" x 5/16" ANGLE x 6" LONG IS TO BE WELDED TO THE STEEL MEMBER AND ENCASED IN THE BEAM (UNO).
- 5.9. ALL MASONRY WALLS TO BE REINFORCED WITH HORIZONTAL REINFORCING BARS, CONSISTING OF EITHER: A.) 2T8 BARS WITH 1" COVER FROM THE OUTSIDE OF THE BLOCKS OR B.) DUR-O-WALL' TRUSS TYPE REINFORCING NUMBER 9 GAUGE, GALVANIZED WIRE (OR EQUIVALENT BRICK FORCE MESH). ALL HORIZONTAL REINFORCING IS TO BE PLACED AT16" C/C (EVERY 2ND COURSE) UNO.

6. LINTELS

- 6.1. ALL EXISTING LINTELS ARE TO BE FIELD VERIFIED BY A REGISTERED STRUCTURAL ENGINEER PRIOR TO THE START OF CONSTRUCTION.
- 6.2. CONCRETE LINTEL BEAMS (3500 PSI) SHALL BE PROVIDED TO ALL OPENINGS IN ACCORDANCE WITH THE SCHEDULE BELOW (UNO) ON THE DRAWINGS

SPAN WIDTH DEPTH (MIN) REINFORCEMENT LB1 UP TO 4' WOW 2T12 (BOTTOM) LB2 4' TO 6' WOW 3T12 (BOTTOM) 6' TO 8' WOW 2T12 (TOP) 3-T-12 (BOTTOM) T8 STIRRUPS @ 8" C/C WOW 3T16 (BOTTOM) T8 STIRRUPS @ 8" C/C

6.3. MINIMUM BEARING OF LINTELS SHALL BE 8" (EIGHT INCHES), (UNO).

- WOW = DENOTES 'WIDTH OF WALL' 1" COVER ((UNO))
- 6.4. WHERE THE LINTEL BUTTS UP TO A STEEL MEMBER, A 6" x 6" x 5/16" ANGLE x 6" LONG SHALL BE WELDED TO THE STEEL MEMBER WITH 1/4" FILLET WELD (E70-XX) ALL AROUND IN ORDER TO PROVIDE A SHELF TO SUPPORT THE LINTEL.

6.4. WHERE THE LINTEL BUTTS UP TO A STEEL MEMBER, A 6" x 6" x 5/16" ANGLE x 6" LONG SHALL BE WELDED TO THE STEEL MEMBER WITH 1/4" FILLET WELD (E70-XX) ALL AROUND IN ORDER TO PROVIDE A SHELF TO SUPPORT THE LINTEL.

7.1. ALL STEEL REBARS SHALL BE GALVANIZED WITH A MINIMUM YIELD STRESS OF 60,000 PSI (UNO). 7.2. (UNO), MINIMUM ALLOWABLE LAP LENGTHS TO REBARS SHALL BE:

Т6	12" (TWELVE INCHES)
Т8	15" (FIFTEEN INCHES)
T10	18" (EIGHTEEN INCHES)
T12	24" (TWENTY-FOUR INCHES)
T16	32" (THIRTY- TWO INCHES)
T20	40" (FORTY INCHES)
T25	50" (FIFTY INCHES)
WIRE MESH	12" (TWELVE INCHES)

7. REINFORCING STEEL.

- 7.3. CHAIRS FOR REINFORCEMENT SHALL BE PLASTIC OR CONCRETE (OR APPROVED EQUIVALENT).
- 7.4. REBAR AT ENDS OF CONCRETE LINTELS, STAIRS PAD FOOTINGS, BEAMS AND SLABS ARE TO HAVE STANDARD 90° BENDS. ANY REBAR, WHICH IS CUT, AND BENT ON SITE SHALL HAVE TWO APPLICATIONS OF "ZINC" RICH PAINT APPLIED TO THE ENDS AND DAMAGED AREAS TO THE APPROVAL
- 7.5. REBAR LAPS IN RETAINING WALLS AND FOUNDATION WALLS SHALL BE PROVIDED WHERE APPLICABLE TO SUIT CONSTRUCTION LOGISTICS.
- 8.1. STEEL DECKING SHALL COMPLY WITH ASTM A568 AND A611 AND SHALL BE A MINIMUM YIELD STRENGTH OF 33 KSI. DECKING SHALL BE GALVANIZED TO ASTM A525 GRADE G90.
- 8.2. IF FEASIBLE, AND (UNO), COMPOSITE DECKING COULD BE INSTALLED AS AN ALTERNATIVE TO THE PLYFORMED SLABS (THIS SUBSTITUTION SHALL BE APPROVED BY A REGISTERED STRUCTURAL ENGINEER). THE DECKING SHALL BE GALVANIZED STEEL (20G Min.) AND ERECTED IN STRICT ACCORDANCE TO THE MANUFACTURER'S SPECIFICATIONS. THE DECKING IS TO HAVE A MINIMUM SIDE-BEARING OF 2" and END-BEARING OF 6". AT LEAST ONE LINE OF SHORING SHALL BE USED TO SUPPORT ALL DECKING SPANS GREATER THAN 6 FT. FOR STEEL DECKING BEARING REQUIREMENTS, REFER TO SECTION 8 OF THE BRBC 2014.
- 8.3. DO NOT CUT OR GORE ANY OPENINGS OR THEIR LIKE, IN THE STRUCTURAL STEEL DECKING WITHOUT PRIOR WRITTEN APPROVAL FROM A REGISTERED STRUCTURAL ENGINEER.
- 8.4. THE CONTRACTOR SHALL ENSURE THAT CONSTRUCTION LOADS ON THE STEEL DECKING DO NOT EXCEED THE YIELD STRENGTH OF THE DECK BOTH BEFORE AND AFTER CONCRETE PLACEMENT.
- 8.5. SHOP DRAWINGS SHALL BE SUBMITTED TO A REGISTERED STRUCTURAL ENGINEER FOR APPROVAL, INCLUDING COMPLETE DETAILS AND SCHEDULES FOR FABRICATION AND ASSEMBLY OF STEEL DECKING.

- 9.1. ALL FABRICATION AND ERECTION OF STRUCTURAL STEELWORK SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF THE CODE OF STANDARD PRACTICE, LATEST EDITION, OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (A.I.S.C) OR APPROVED EQUIVALENT.
- 9.2. ALL STRUCTURAL STEEL SHAPES, PLATES AND BARS, SHALL BE IN ACCORDANCE WITH ASTM A50 (F $_{\rm y}$ = 50 KSI) UNLESS NOTED OTHERWISE.
- 9.3. ALL CONNECTION BOLTS TO BE GALVANIZED ASTM A325 BEARING TYPE OR EQUIVALENT. 9.4. ANCHOR BOLTS TO BE GALVANIZED ASTM A36.
- 9.5. ALL NUTS, BOLTS, WASHERS, NAILS, SCREWS AND OTHER FASTENERS SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM A153
- 9.6. ALL NUTS, BOLTS, WASHERS, NAILS, SCREWS AND OTHER FASTENERS SHALL OBSERVE THE COMPATIBILITY RULE OF DISSIMILAR MATERIALS TO RESIST GALVANIC CORROSION.
- 9.7. ALL EXTERIOR STEEL AND STEEL EXPOSED TO WEATHER INCLUDING SHELF ANGLES SHALL BE GALVANIZED UNLESS NOTED OTHERWISE.
- 9.8. ALL STRUCTURAL STEEL TO BE PAINTED WITH AN APPROVED ZINC-RICH PRIMER, EXCEPT STEEL RECEIVING GALVANIZING. 9.9. PROVIDE A MINIMUM BEARING OF 8" FOR ALL STEEL BEARING ON MASONRY/CONCRETE AND 4" FOR
- STEEL BEARING ON STEEL (UNO). 9.10. CENTER ALL BEARING PLATES UNDER BEAMS AND COLUMNS UNLESS NOTED OTHERWISE.
- 9.11. DO NOT CUT OR GORE ANY OPENINGS OR THEIR LIKE, IN ANY STRUCTURAL STEEL MEMBERS WITHOUT PRIOR WRITTEN APPROVAL FROM A REGISTERED STRUCTURAL ENGINEER.
- 9.12. WHERE A STRUCTURAL STEEL SHAPE SHOWN ON THE DRAWINGS IS UNAVAILABLE, A SHAPE OF EQUAL OR GREATER SECTION PROPERTIES AND STRUCTURAL CAPACITY SHALL BE SUBSTITUTED UPON APPROVAL BY A REGISTERED STRUCTURAL ENGINEER.
- 9.13. ALL STRUCTURAL STEELWORK SHALL BE SHOP PAINTED UNO, SHOP PAINTING AND SURFACE PREPARATION SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF THE CODE OF STRUCTURAL PRACTICE, LATEST EDITION, OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (A.I.S.C.) OR APPROVED EQUIVALENT.
- 9.14. WELDED CONNECTIONS: ELECTRODES: E70XX UNO.
- ALL WELDING SHALL CONFORM TO THE REQUIREMENTS OF 'THE STANDARD CODE OF WELDING IN BUILDING CONSTRUCTION', LATEST EDITION, OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (A.I.S.C.) OR
- 9.15. SHOP DRAWINGS SHALL BE SUBMITTED FOR APPROVAL OF COMPLIANCE WITH THE STRUCTURAL
- 10.1.TIMBER TO BE TYPE PS 20 GRADED IN ACCORDANCE WITH NLGA GRADING RULES, AND TO BE TYPE "STRUCTURAL LIGHT FRAMING, No. 2" SOUTHERN YELLOW PINE (PITCH PINE).

10.2.ALL TIMBER TO BE WOLMANISED TYPE PRESSURE TREATED.

10.3.ALL STEEL NUTS, BOLTS AND WASHERS ARE TO BE HOT DIP GAL GALVANIZED. BOLT HOLES SHALL BE NO LARGER THAN 1/16" GREATER THAN THE NOMINAL BOLT SIZE, ALL BOLTED JOINTS

SHALL HAVE WASHERS FITTED UNDER THE HEAD OF THE BOLT AND UNDER EACH NUT. THE SIZE OF

THE WASHERS SHALL BE FOR 1/2" BOLTS AND UNDER: 2" DIAMETER x 1/8" THICK; AND, FOR 5/8" BOLTS

10.4.DO NOT CUT OR CREATE ANY OPENINGS OR THEIR LIKE INTO ANY TIMBER MEMBERS WITHOUT

PRIOR WRITTEN APPROVAL FROM A REGISTERED STRUCTURAL ENGINEER. 11. INSPECTION AND TESTING

2 1/2 " DIAMETER x 3/16" THICK.

11.1.CONTRACTOR TO PROVIDE 24 HOURS NOTICE FOR THE INSPECTION OF ALL REINFORCING, INCLUDING MASONRY REINFORCING PRIOR TO PLACING CONCRETE. 11.2.CONCRETE TO BE TESTED BASED ON SPECIFICATION REQUIREMENTS. TESTING TO BE DONE

- 12.1.THE STRUCTURAL DESIGN HAS BEEN COMPLETED IN ACCORDANCE WITH THE BRBC 2014 WHICH REFERENCES, THE LATEST EDITION OF, THE IBC.
- 12.2.THE FOOTING DESIGN BEARING PRESSURE IS 6000PSI UNO.

12.3.THE SPECIFIED CONCRETE STRENGTH IS 3500PSI UNO.

- 12.4.THE DESIGN WIND PRESSURE IS 110MPH BASIC WIND SPEED, EXPOSURE C, 3 SECOND GUST
- 55 MANGROVE BAY SANDYS

Project Address

Issue Status

BUILDING CONTROL

MANGROVE BAY CLINIC

RENOVATIONS & ADDITIONS

DEPARTMENT OF HEALTH

GENERAL NOTES

reports to the architects.

architects written permission.

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HENRY SHEIN

ISLAND AUTOMATION

BERMUDA AIR CONDITIONING

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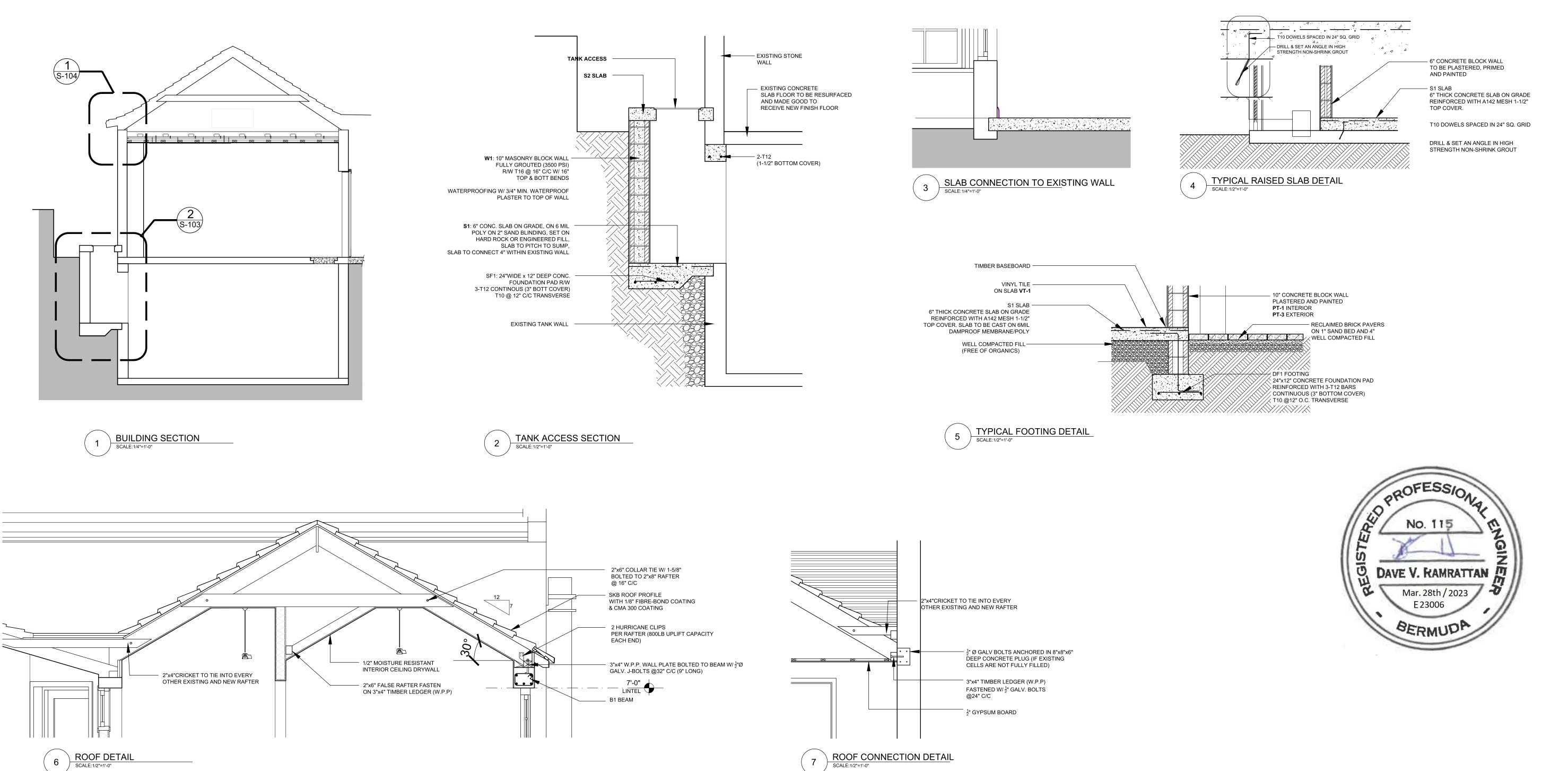
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Title Sheet

STRUCTURAL SECTIONS & NOTES

Project No. 2021 15

Scale: AS NOTED Date: 17.03.23 Chk'd: TG Drawn:TG





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BERMUDA AIR CONDITIONING

HENRY SHEIN

Issue Date

Issue Status

BUILDING CONTROL

DEPARTMENT OF HEALTH

Client

MANGROVE BAY CLINIC RENOVATIONS & ADDITIONS

Project Address

55 MANGROVE BAY SANDYS

Title Sheet

STRUCTURAL SECTIONS & NOTES

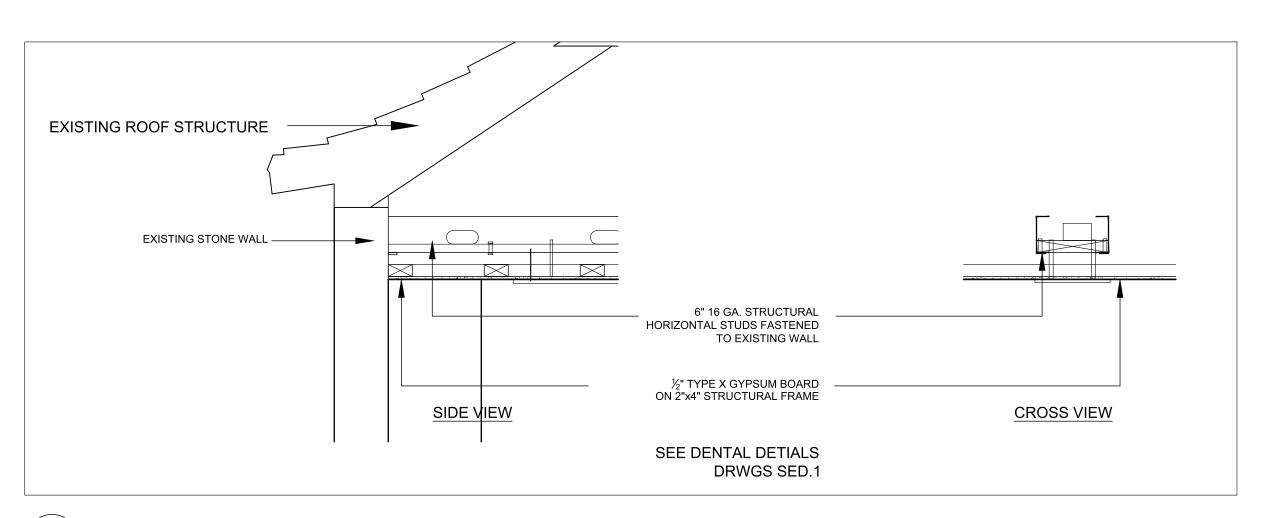
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Date: 17.03.23

Scale: AS NOTED Chk'd: TG Drawn:TG

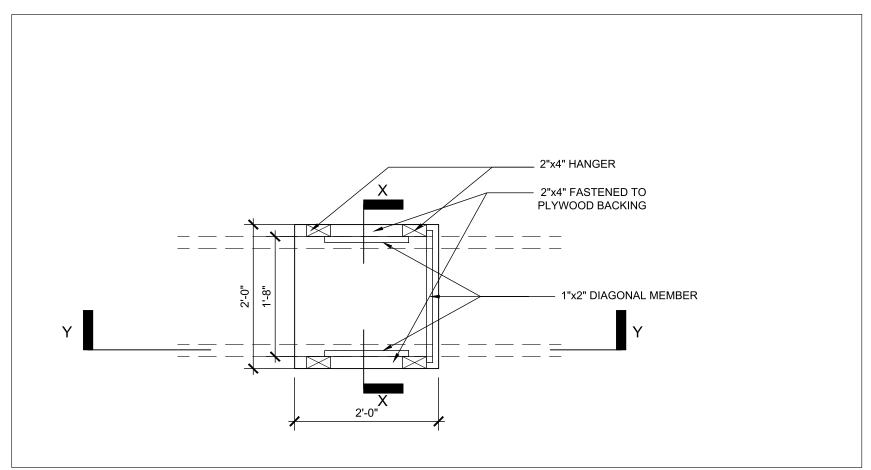
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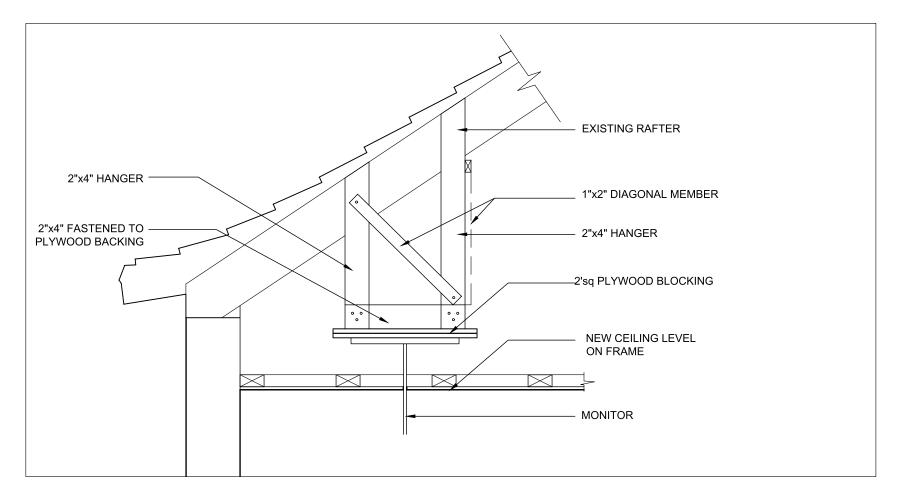
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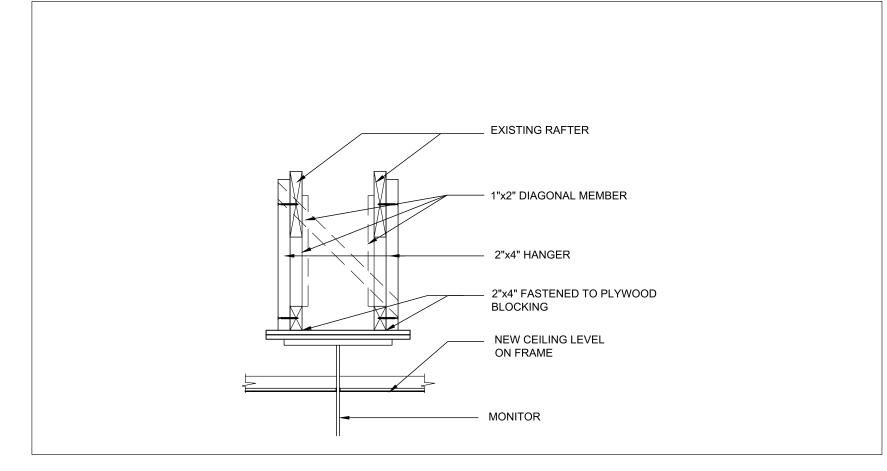


1 METAL BRACING DETAIL

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



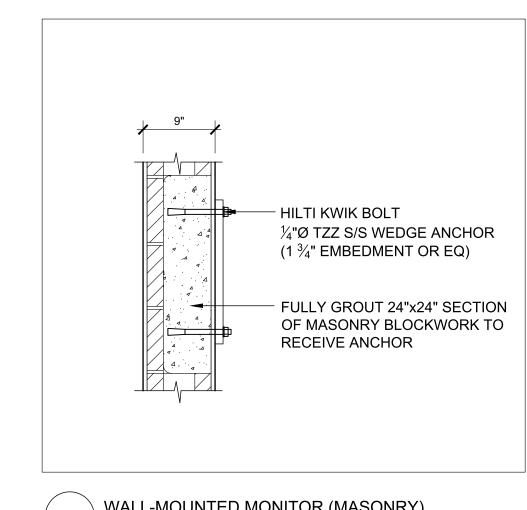


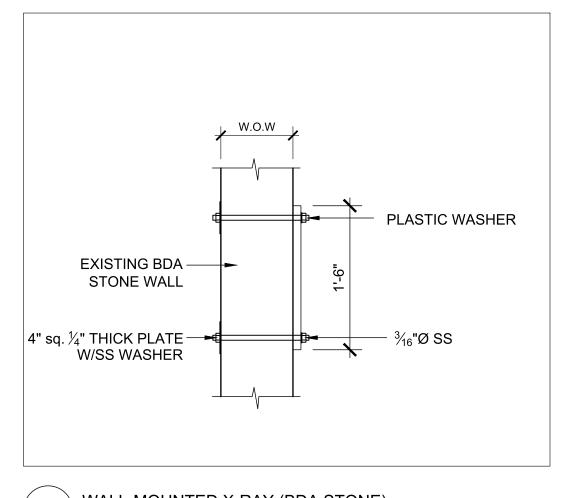


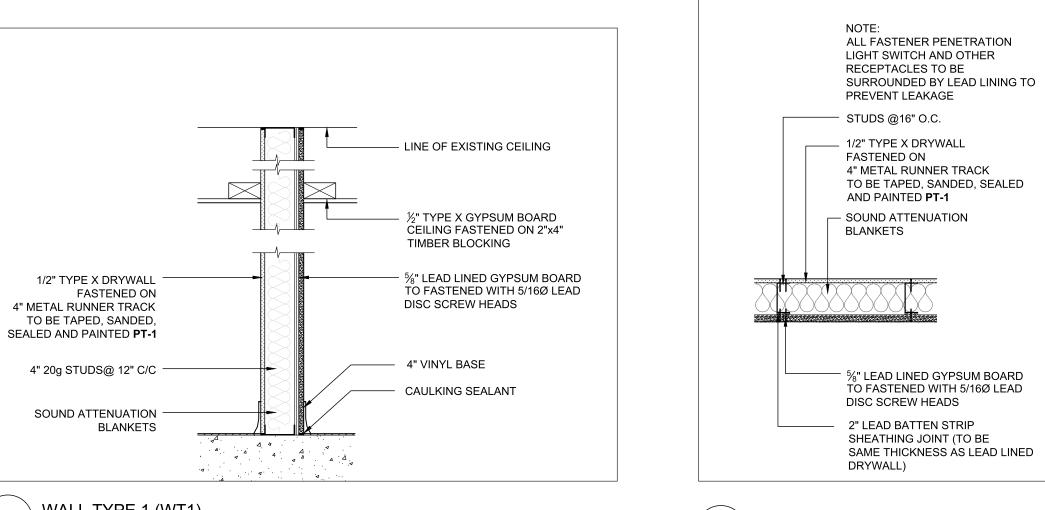














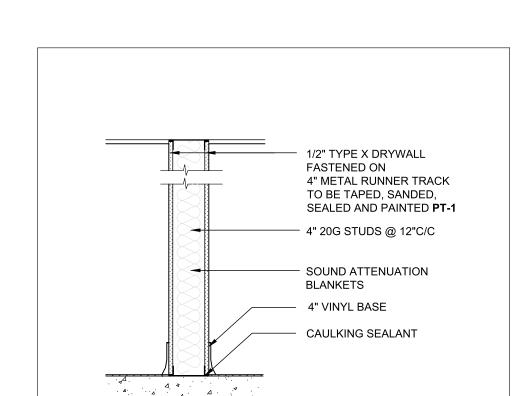




WALL TYPE 1 (WT1)
SCALE:1"=1'-0"







- 4" 20g STUD WALL

- #10 WOOD SCREW

(1 $\frac{1}{2}$ " MIN. PENETRATION

ÎNTO 4"x4" BLOCKING)

@12" C/C

STRUCTURAL SECTIONS & NOTES

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GENERAL NOTES

Project No. 2021 15

Issue Date

Issue Status

Client

Project

Project Address

SANDYS

Title Sheet

55 MANGROVE BAY

BUILDING CONTROL

MANGROVE BAY CLINIC **RENOVATIONS & ADDITIONS**

DEPARTMENT OF HEALTH

Date: 17.03.23 Scale: AS NOTED Chk'd: TG Drawn:TG

 \Longrightarrow LIGHTING ELECTRICAL **ABBREVIATIONS** RECEPTACLE × *** AC AFF C/C C/W CU DL EC \bigoplus - LED EMERGENCY LIGHT LED IN-GROUND / SLAB FIXTURE LED POLE-TOP FIXTURE LED WALL WASHER RECESSED LED DOWNLIGHT RECESSED LED FIXTURE 2' X 2' LED NARROW STRIP LIGHT FLOOR-MOUNTED DEDICATED EXHAUST FAN
GROUND FAULT CIRCUIT INTERRUPTER
HOT WATER HEATER DIRECT CONNECTION OUTLET CEILING-MOUNTED SINGLE WALL-MOUNTED 240V WALL-MOUNTED DUPLEX DIMMER LIGHT COMPLETE WITH WALL-MOUNTED SWITCHED WALL-MOUNTED QUAD WALL-MOUNTED DUPLEX DEDICATED ABOVE FINISHED FLOOR AIR CONDITIONER LEGEND LIGHTING CONTROL COMMUNICATIONS POWER DISTRIBUTION AND CONNECTION MS WAP \times LSIG U JB U JB VFD 0 UTILITY METER GROUNDING TELEVISION DOORBELL INTERCOM SYSTEM STATION (MASTER/SL WIRELESS A VOICE/DATA DOUBLE-GANG AUDIO/VISUAL THREE PHASE MOTOR CONNECTION COMBINATION LIGHT & MOTOR CONNECTION COMBINATION MAGNETIC DISCONNEC JUNCTION BOX (20A,120V UNLESS OTHERWISE NOTED) (X) ZONE DIGITAL TIMER DAYLIGHT PI EMERGENCY LIGHTING OCCUPANC' MECHANICAL SWITCH - SINGLE POLE, 120 VOLT DIMMER SWITCH MUSIC SPEAKER COMMUNIC, SINGLE-GANG AUDIO/VISUAL COMMS PANEL VARIABLE FREQUENCY DRIVE OCCUPANCY SENSOR LIGHT SWITCH -EXISTING TO BE REMOVED ELECTRONIC TRIP UNIT C/W LONG SHORT INSTANTANEOUS GROUND FAULT SETTINGS TO REMAIN PANELBOARD Y SWITCH BAR SINGLE 120 VOLT ACCESS SPRINKLER SECURITY FIRE ALARM SD SD SD ES S SP ## \$\frac{1}{2} Do FE FE E CR Z CONTROL DOOR RELEASE PUSHBUTTON ELECTRIC STRIKE **ELECTRO-MAGNETIC DOOR LOCK** DOOR CONTACT SECURITY WORKSTATION C/W 24" KEYBOARD, OPT MOUSE BARRIER-FREE DOOR OPERATOR PB DOOR HOLD OPEN DEVICE DATA GATHERING PANEI SECURITY RACK MOTION DETECTOR SECURITY PANEL DOORBELL CHIME CARD READER CARD ACCESS PANEL SMOKE DAMPER CONNECTOION SMOKE DETECTOR, DUCT-MOUNTED HORN/STROBE COMBINATION ALARM SPEAKER/STROBE COMBINATION FLOW SWITCH SUPERVISED VALVE

ELECTRICAL LEGEND

E100 DETAILS

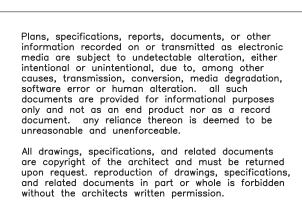
DETAILS

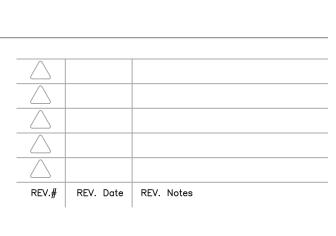
MANGROVE BAY CLINIC

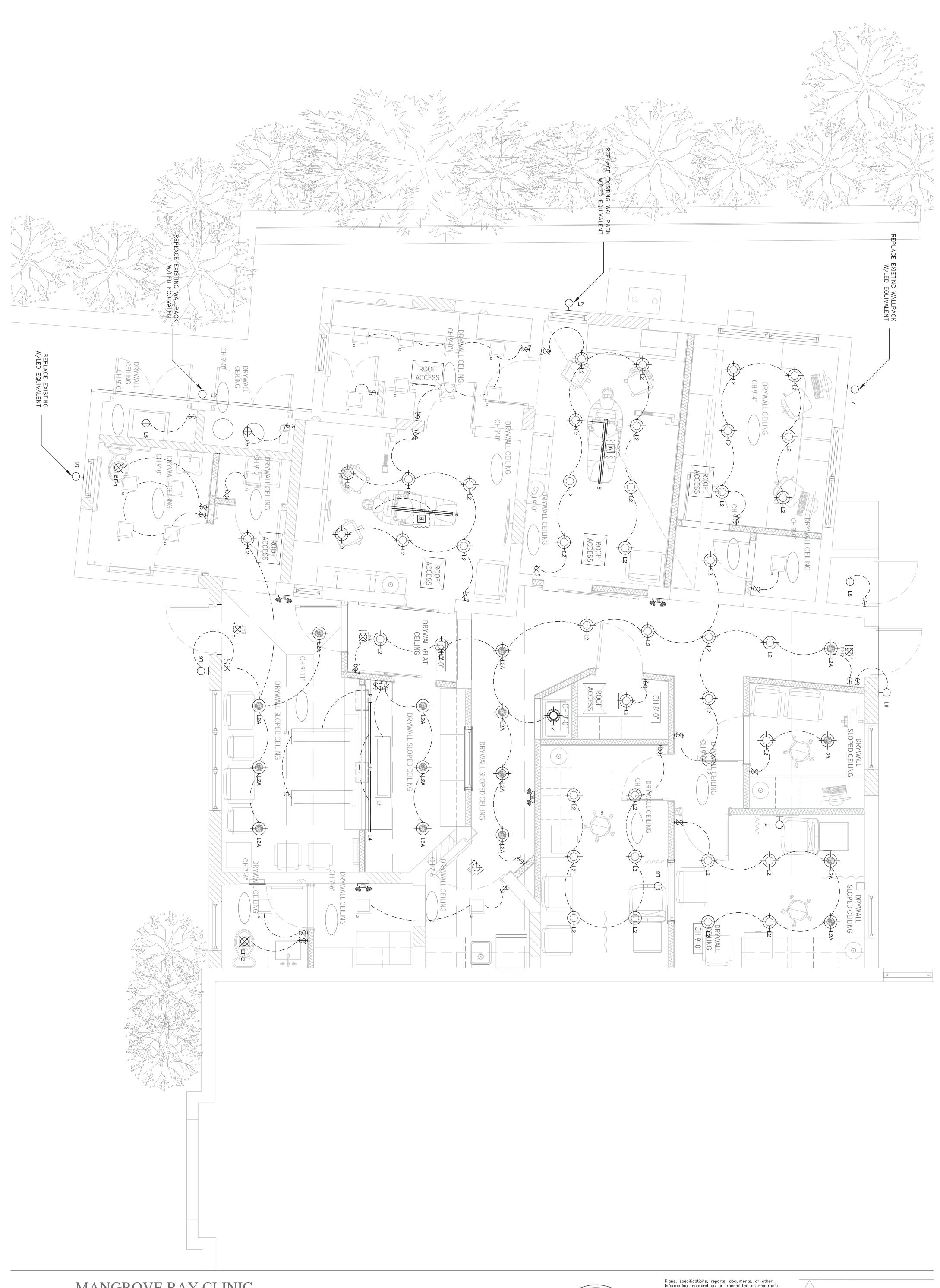
RENOVATION & ADDITIONS 55 MANGROVE BAY SANDY'S, BERMUDA LEGEND, DRAWING LIST & GENERAL NOTES

22017 PROJECT NO: IAL DATE: JANUARY 2023 islandautomation limited mechanical and electrical consulting engineers Tel: 441.505.1888 • email: ial@logic.bm









E201

MANGROVE BAY CLINIC RENOVATION & ADDITIONS

55 MANGROVE BAY SANDY'S, BERMUDA

GROUND FLOOR PLAN LIGHTING

PROJECT NO: 22017

DRAWN BY: IAL

DATE: JANUARY 2023

SCALE: NTS

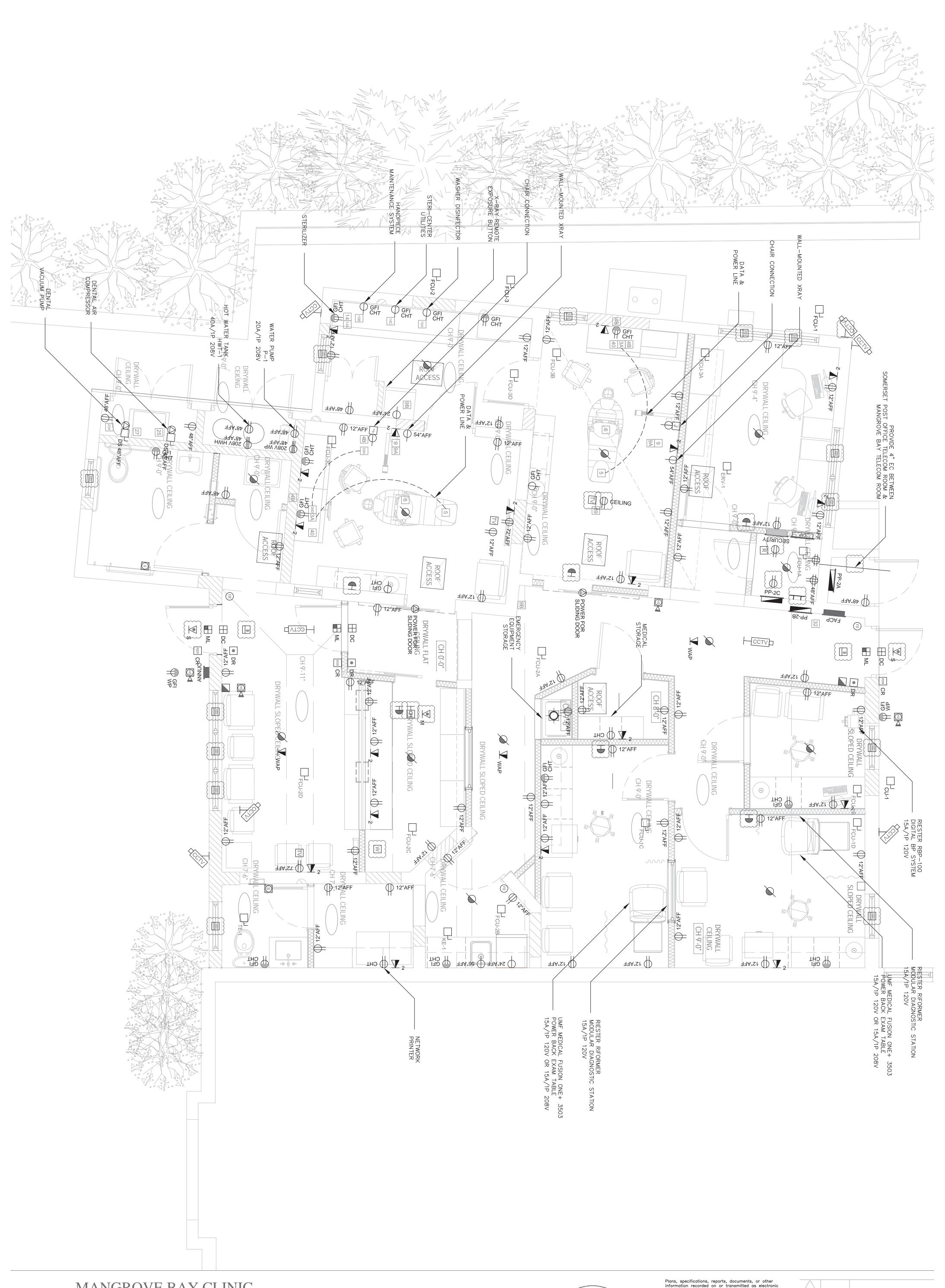
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E301

MANGROVE BAY CLINIC RENOVATION & ADDITIONS

55 MANGROVE BAY SANDY'S, BERMUDA

GROUND FLOOR PLAN POWER & SYSTEMS

PROJECT NO: 22017

DRAWN BY: IAL

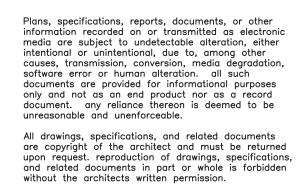
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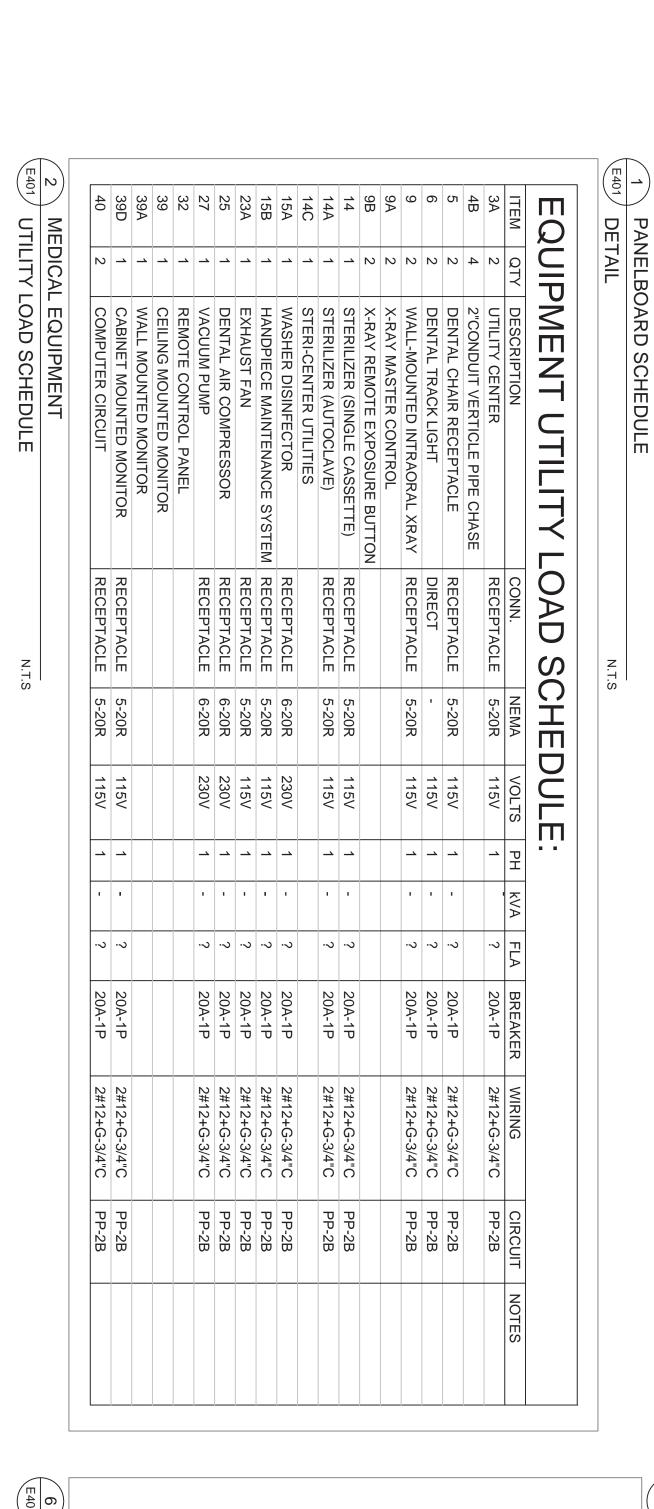
SCALE: NTS

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SCHEDULE

POWER PANEL PP-2C GROUND FLOOR IT CLOST SEIMENS 50A 208Y/120V 3P-4W													GF	ROI	JNI S	D F SEII	ANI LO MEI /120	OR NS	LE	EVE	ΞL											
SPARE	SPARE	SPARE	SPARE		SDARE		DECORIBION		TOWER, OFFICING GLAGO DOOR O	OFFICE SUPPLY	OFFICE FIGURE	STAFF V	OUTLET, PATIENT WASHROOM	1	OUTLET, STERILIZATION [14C]	OUTLET, STERILIZATION [14A]				DUNT XRAY (OFFICER) [9]		DENTAL	OUTLET, DENTAL OFFICER	OUNT XRAY (HYGIENE) [9]	DENTAL HYGIENE	- 1	- 1	OUTLET, COMMUNITY HEALTH	OUTLET, COMMUNITY HEALTH			
1P-20A	1P-20A	1P-20A	1P-20A	21 -207	2P-20A	POLE-AMP	BREAKERS	ELECTRIC	IF-ZUA	AD SOA	1P-20A	1P-20A GFI	1P-20A GFI	1P-20A GFI	1P-20A GFI	1P-20A GFI	1P-20A GFI	1P-20A		1P-20A GFI	1P-20A GFI	1P-20A GFI	1P-20A	1P-20A GFI		1P-20A GFI	1P-20A	1P-20A	1P-20A	POLE-AMP	BREAKERS	
11		+	5			L1 L2 L3	BARS/POLES	SERVICE PANEL	4	•		+	33	+	29 -				•	19	+	•			9		+	ω	+	L1 L2 L3	BARS/POLES	
12 1P-20A	+	8 1P-20A	6 1P-20A	4	2 2D_20A	POLE-AMP	BREAKERS	L SCHEDULE	42 IF-20A	+	+	+	34 1P-20A	+	30 1P-20A	28 1P-20A	26 1P-20A	24 1P-20A	\dashv	1P-20A	\dashv	+	+	+	1P-20A		6 1P-20A	4 1P-20A	2 1P-20A	POLE-AMP	BREAKERS	-
FIRE ALARM PANEL (ALWAYS ON)	SECURITY/COMMS PANEL	OUTLET, IT CLOSET	OUTLET, IT CLOSET	Ç	ODART			111	07220	ODITET, RECHEN	OUTET, KICHEN (MICKOWAVE)		OUTLET, WAITING	OUTLET, WAITING	OUTLET, WAITING	OUTLET, RECEPTION DESK	OUTLET, RECEPTION DESK	OUTLET, RECEPTION	OUTLET, PRINTER		OUTLET, VACCINE/ISOLATION ROOM	OUTLET, VACCINE/ISOLATION ROOM	OUTLET, VACCINE/ISOLATION ROOM	OUTLET, MEDICAL STORAGE	OUTLET, MEDICAL STORAGE	OUTLET, MEDICAL EXAM ROOM	OUTLET, MEDICAL EXAM ROOM	OUTLET, INTERVIEW ROOM	OUTLET, INTERVIEW ROOM	CCNTTTCN		

			\boxtimes	Ю	Ю	Ю	**				\rightarrow		Symbol	
EXIT	EXIT	严	E F-1	L8	L7	L6	15	L ₄	L 3	L2A	2	7	Label	
.>	4	4	2	2	4	2	ယ	2	17	15	44	2	QTY	
ALCON	ALCON	ALCON	TBD	RIESTER	ALCON	ALCON	ROXAL COVE	ALCON	ALCON	ONUL	ALCON	ALCON	Manufacturer	
16107	16119	16103	TBD	6240.002	16009	11253	2496822	12180-4-WH	11171-12-WH	TBD?	11170-12-WH	12248-120-30-225-30K	Catalog	LUI
Aluminum LED Exit Signs with Emergency Lights	Edge Lit LED Recessed Exit Sign	EMU I Architectural LED Dual Head Emergency Unit	VENT	RIESTER RI-MAGIC LED WALL MODEL EXAMINATION LAMP	Architectural 12-Inch Squared Exterior LED Wall Light	Architectural Outdoor LED Frosted Lens Wall Sconce	OUTDOOR CEILING-MOUNTED	4-FT PENDANT LED LIGHT	12" DISK ARCHITECTURAL LED SURFACE MOUNT DOWN (SQUARE)	6" SLOPE TRIM SERIES SUPER SLOPE DOWNLIGHT	12" DISK ARCHITECTURAL LED SURFACE MOUNT DOWN (ROUND)	ROLLING 38" LED ARCHITECTURAL PENDANT	Description	LUMINAIRE SCHEDULE
LED	LED	LED	LED	LED	LED	LED	TED	LED	LED	LED	LED	LED	Lamp	
ω		2				_	1		_			_	No of Lamps	
TBD	TBD	TBD	TBD	TBD	TBD	TBD	ŢŖĎ	TBD	TBD	TBD	TBD	TBD	Lumens/Lamp	
TBD	TBD	TBD	TBD	TBD	TBD	TBD	JBD	TBD	TBD	TBD	TBD	TBD	두	
TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	Wattage	

POWER PANEL PP-2A **GROUND FLOOR CORRIDOR**

> SEIMENS 250A 208Y/120V 3P-4W

> > (3800W)

FEED TO PANEL PP-2B

3P-60A

FEED

TO PANEL PP-2C

HOT WATER TANK, HWT-1

ELECTRIC

SERVICE

PANEL

SCHEDUL

BREAKERS

DESCRIPTION

WASHER DISINFECTOR [15A]

6 8 2P-40A 10 10 12 2P-30A 14 2P-20A 22 2P-15A 28 1P-15A 30 1P-15A 32 1P-20A 36 1P-20A 40 1P-20A 42 1P-20A (42 1P-20A (42 1P-20A (42 1P-20A (42 1P-20A (42 1P-20A (42 1P-20A (44 1P-20A (44

DENTAL VACUUM UNIT [27]

SPARE

SPARE

CU-2 (3800W)

LIGHTS (INTERIOR)

LIGHTS (INTERIOR)

DENTAL TRACK LTS [6]

LIGHTS (EXTERIOR)

LIGHT/VENT, PATIENT WASHROOM

LIGHT/VENT, STAFF WASHROOM

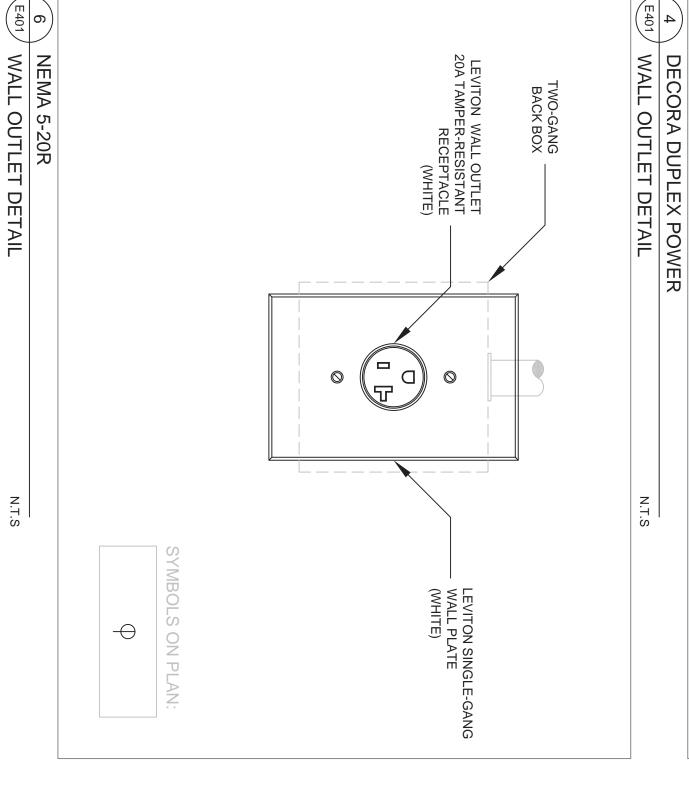
EXHAUST FAN [23A]

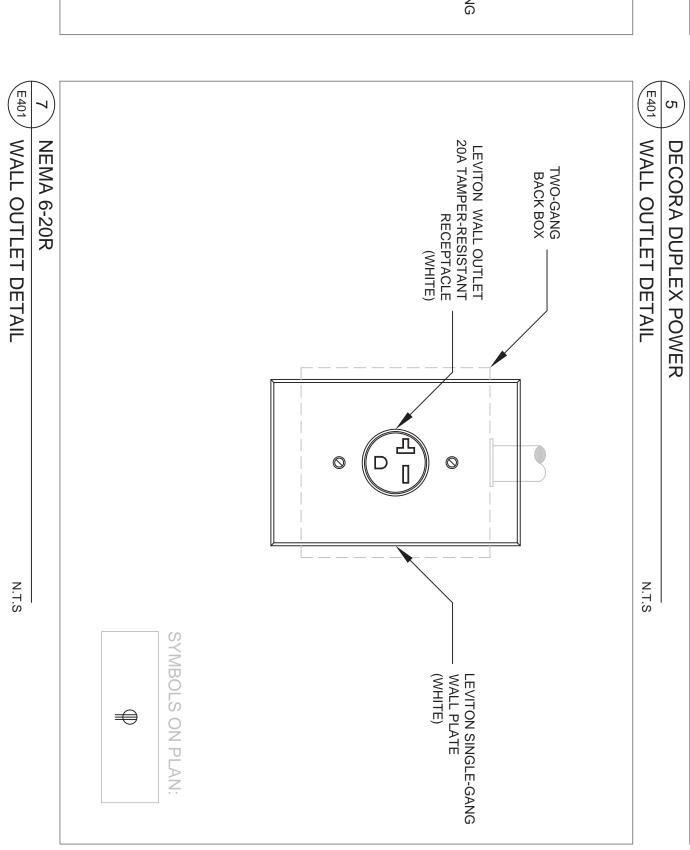
SPARE

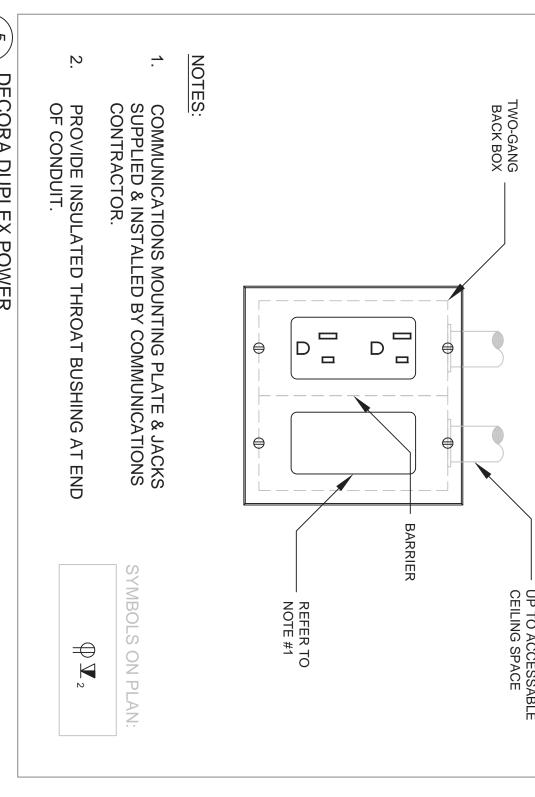
1P-20A 1P-20A 1P-20A 1P-20A 1P-20A 1P-20A 1P-20A

GF

3 LUMINAIRE SCHEDULE
E401 DETAIL







DITES: COMMUNICATIONS MOUNTING PLATE & JACKS SUPPLIED & INSTALLED BY COMMUNICATIONS CONTRACTOR. PROVIDE INSULATED THROAT BUSHING AT END OF CONDUIT.

D

MAN	IGROVE B	SAY CLINIC
REN	OVATION	& ADDITIONS

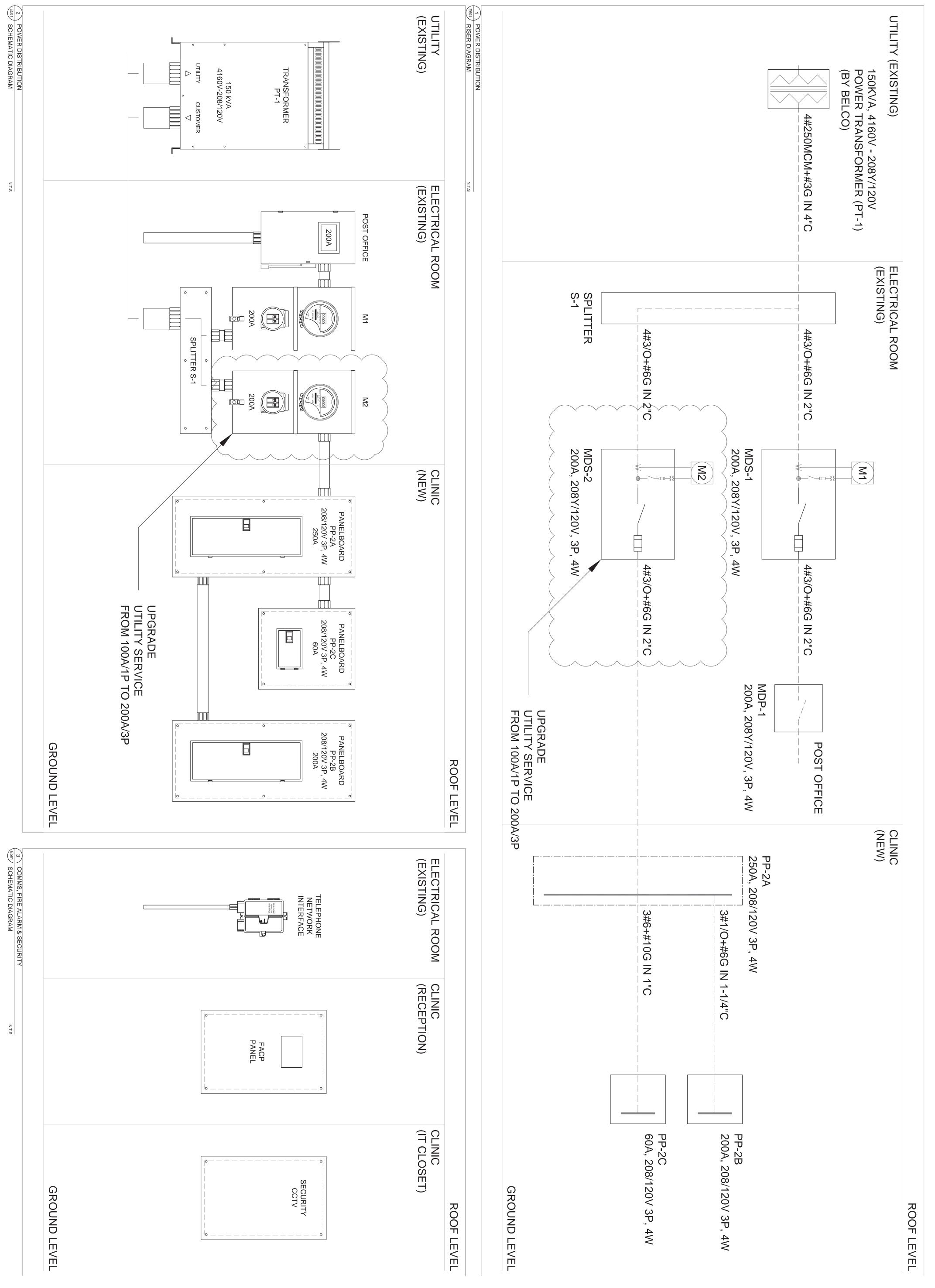
55 MANGROVE BAY SANDY'S, BERMUDA **ELECTRICAL DETAILS**

PROJECT	NO:	22017
DRAWN E	BY:	IAL
DATE:	JANUARY	2023
SCALE:		NTS





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E501

MANGROVE BAY CLINIC RENOVATION & ADDITIONS

55 MANGROVE BAY SANDY'S, BERMUDA

POWER DISTRIBUTION RISER DIAGRAM

PROJECT NO: 22017

DRAWN BY: IAL

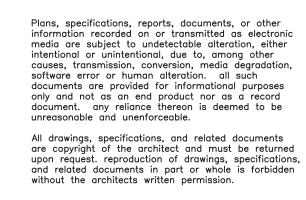
DATE: JANUARY 2023

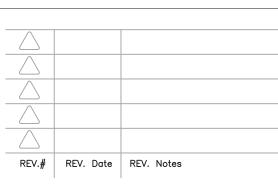
SCALE: NTS

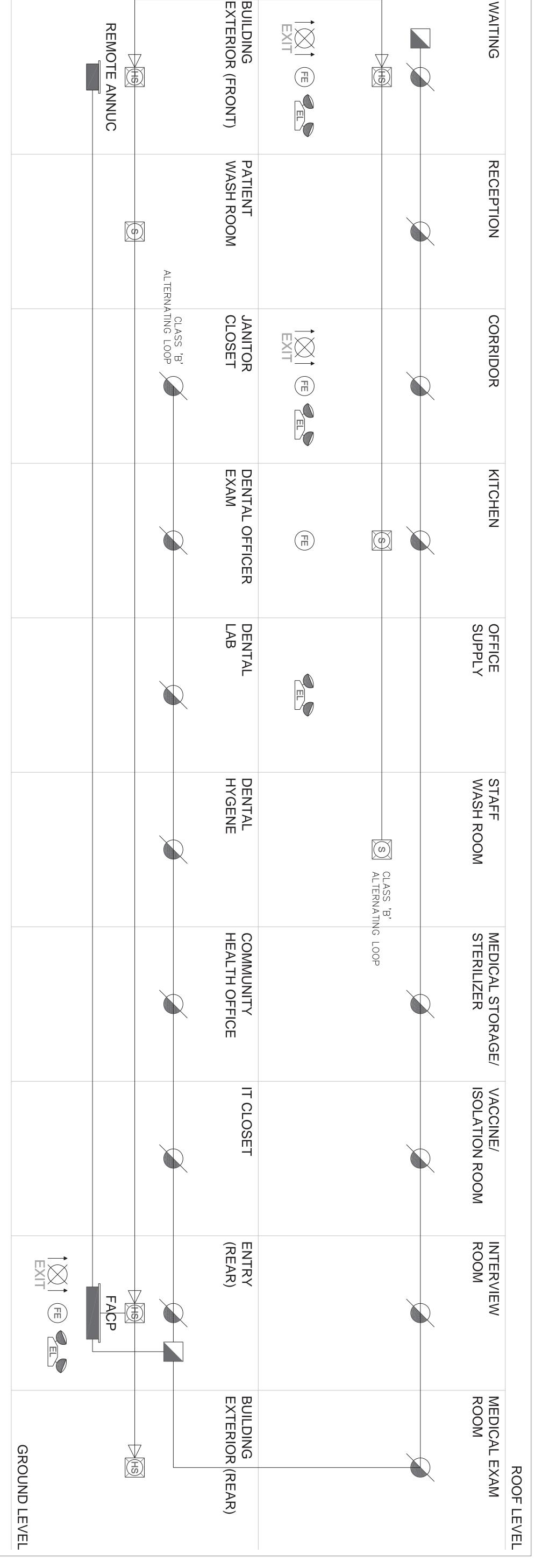
islandautomation limited
mechanical and electrical consulting engineers
Tel: 441.505.1888 • email: ial@logic.bm

Issued for Building Permit





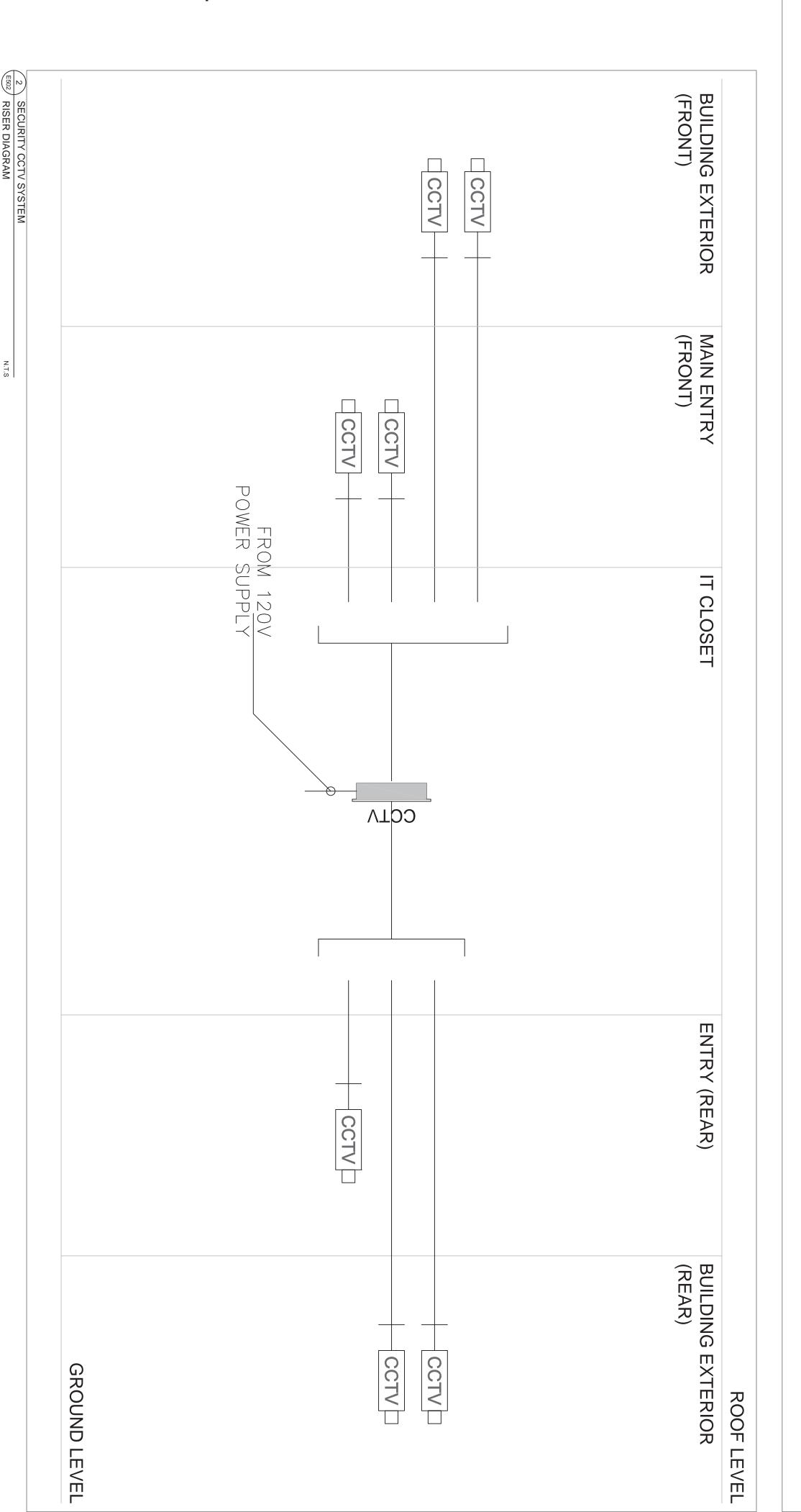




1. PROVIDE CONDUIT AND WIRE AS REQUIRED BY THE FIRE ALARM MANUFACTURER TO MAKE SYSTEM OPERATIONAL AS PER SPECIFICATIONS WITH WIRE GAUGE TO MAINTAIN MINIMUM VOLTAGE DROP. ALL WIRING SHALL BE IN CONDUIT. MINIMUM CONDUIT SIZE SHALL BE 3/4".

FIRE ALARM NOTES:

- 2. PROVIDE END-OFF-LINE RESISTORS AS REQUIRED. INSTALL EOL RESISTORS IN ELECTRICAL ROOMS OR WHERE ACCESSIBLE.
- 3. ALL LIFE SAFETY SYSTEM WIRING TO BE PROTECTED AGAINST FIRE EXPOSURE AS REQUIRED BY CODE.
- 4. ALL CIRCUITS TO BE LOADED TO NO MORE THAN 80% CAPACITY.
- LOCATION OF DEVICES. 5. THIS DETAIL IS FOR DIAGRAMMATIC PURPOSES ONLY. REFER TO FLOOR PLANS FOR EXACT NUMBER AND
- 6. ALL FIRE ALARM SYSTEM PROVISIONS SHALL BE IN ACCORDANCE WITH NFPA 72 STANDARDS AND LOCAL BERMUDA FIRE ALARM SERVICES REQUIREMENTS.





22017

JANUARY 2023

IAL



MANGROVE CLINIC RENOVATIONS AND ADDITIONS MECHANICAL DRAWINGS

ENGIN A division of Bermuda 9 Mill Creek Road - P.O. Bo Telephone: (441) 292-(E-mail: envi

A division of Bermuda Air Conditioning Limited 9 Mill Creek Road - P.O. Box HM 1095 - Hamilton HM EX Telephone: (441) 292-0881 - Fax: (441) 292-6887 E-mail: engineering@bac.bm

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LEGEND AND EQUIPMENT SCHEDULES GROUND FLOOR — DRAINAGE PLAN GROUND FLOOR — PLUMBINGPLAN

M-000 M-100

M - 101

GROUND FLOOR HVAC PLAN AND ROOF MECHANICAL PLAN SPECIFICATION — MECHANICAL

M-200 M-300

MECH	HANIC	AL LEGEND
SYMBOL	ABBR.	MEANING
·-	DX	REFRIGERAINT SUPPLY AND RETURN COMBINED
1/2ø AIR	AIR	COMPRESSED AIR LINE
·		VACUUM LINE
		STERILIZED WATER SUPPLY
	С	DOMESTIC COLD WATER
	Н	DOMESTIC HOT WATER
		SANITARY VENT
		SANITARY BELOW SLAB
•		END OF LINE CLEAN OUT
(FLOOR DRAIN OR FUNNEL FLOOR DRAIN
Ø—		SANITARY TRAP
⊸		CONCENTRIC PIPING TRANSITION
		CONTROL WIRE
—		POSITIVE PRESSURE AIR FLOW (SUPPLY)
¬/- -		NEGATIVE PRESSURE AIR FLOW (RETURN)
V U/C		GC TO UNDERCUT DOOR 3/4" OR AS NOTED
 24x12		RECTANGULAR DUCT WIDTH AND HEIGHT (IN.)
24/12		OVAL DUCT WIDTH AND HEIGHT (IN.)
 24ø		ROUND DUCT DIAMETER (IN.)
		EXISTING SPRINKLER HEAD TO REMAIN
<u> </u>		RELOCATED EXISTING SPRINKLER HEAD
<u> </u>		NEW SPRINKLER HEAD (TYPE MATCH EXISTING)
O _N		NEW CONCEALED SPRINKLER HEAD
		THERMOSTAT
		FLEXIBLE DUCT WITH SIZE LABEL
16x12		INSULATED DUCTWORK 16×12 DENOTES INTERNAL DIMENSION
B 30×2.5 450		TYPE LENGTH X WIDTH CFM
D 6ø 450		TYPE NECK SIZE CFM
O FE		FIRE EXTINGUISHER C/W WALL PLAQUE
	-	DOWN
	DN	DOWN
	TLD	TO LATER DETAIL
	UF/UG	UNDER FLOOR/UNDER GROUND
	1	I

RETURN AIR OPENNING

ABOVE FINISHED GRADE

NOT TO SCALE

FAN COIL UNIT

EXHAUST FAN

DIFFUSER

EXHAUST

SUPPLY

RETURN

DIRECT EXPANSION

TO NE DETERMINED

NTS

UNDER SIDE OF SLAB, STEEL, OR ROOF

RETURN AIR OPENING ABOVE CEILING

		BLOWER	UNIT SCHEDU	JLE		
UNIT NO	FCU-1A TO 1C	FCU-1D	FCU-2A TO 2C	FCU-2D	FCU-1A TO 3C	FCU-3D
SERVICE	GROUND FLOOR	GROUND FLOOR	GROUND FLOOR	GROUND FLOOR	GROUND FLOOR	GROUND FLOOR
LOCATION	WALL	WALL	WALL	CEILING	WALL	WALL
TOTAL AIR FLOW RATE (CFM)	260	307	260	357/292/241	307	260
FAN SPEEDS	_	_	_	_	_	-
MOTOR POWER (W)	22	20	22	40	20	22
UNIT VOLTS/PHASE/HZ	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
M.C.A. (AMPS)	-	_	_	-	_	_
F.L.A. (AMPS)	_	_	_	_	_	_
ENTERING DBT (F)	_	_	_	-	_	-
ENTERING WBT (F)	-	_	_	-	_	_
LEAVING DBT (°F)	-	_	_	-	_	-
LEAVING WBT (°F)	-	_	-	-	_	-
SENS CAPACITY (MBH)	9	12	9	12	12	9
TOTAL CAPACITY (MBH)	9	12	9	12	12	9
MANUFACTURER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER
MODEL	42QHG009D8S	42QHG012D8S	42QHG009D8S	42QTD012DS-2	42QHG012D8S	42QHG009D8S
INTERLOCK WITH	CU-1	CU-1	CU-2	CU-2	CU-3	CU-3
EMS CONTROL TYPE	ı	_	_	-	_	-
REMARKS	- - - -	- - - -	- - - -	_ _ _ _ _	- - - -	- - - -

UNIT NO	CU-1	CU-2	CU-3
SERVICE	GROUND FLOOR	GROUND FLOOR	GROUND FLOOR
LOCATION	BACK OF HOUSE	BACK OF HOUSE	BACK OF HOUSE
SEERS	_	_	_
REFRIGERANT	R-410A	R-410A	R-410A
CAPACITY STEPS, %	_	_	_
NOMINAL SIZE/TYPE	-	_	_
CONDENSER TUBE/FIN MATERIAL	-	_	_
VOLTS/PHASE/HZ	208-230/1/60	208-230/1/60	208-230/1/60
M.C.A. (AMPS)	-	_	_
POWER INPUT (W)	3800	3800	3900
STARTING CURRENT (AMPS)	-	_	_
MAXIMUM FUSE SIZE. (AMPS)	-	_	_
MANUFACTURER	CARRIER	CARRIER	CARRIER
MODEL	38QUS036DS4-1	38QUS036DS4-1	38QUS042DS5-1
INTERLOCK WITH	FCU-1A TO 1D	FCU-2A TO 2D	FCU-3A TO 3D
EMS CONTROL TYPE	_	_	_
	c/w COATING COIL	c/w COATING COIL	c/w COATING COIL

DUCTWORK AND INSULATION SCHEDULE

DAB WATER TECHNOLOGY

EVOSTA2 SAN

WARIABLE SPEED c/w

AQUASTAT AND TIMER

MATERIAL THICKNESS

INSULATION

EXHAUST FA	N SCHEDULE
FAN NO.	TE-1 & GE-1
SERVICE	WASHROOMS AND KITCHEN
LOCATION	CEILING
FLOW RATE (CFM)	80
SP IN/WG	0.25
FAN SPEED (RPM)	-
FAN MAX DV	-
MOTOR POWER (HP)	FRACTIONAL
ELECTRICAL DATA VOLTS/PHASE/HZ	115/1/60
MOTOR SPEED (RPM)	-
MANUFACTURER	BROAN
MODEL NUMBER	QTXE80
ACCESSORIES	-
INTERLOCK WITH	LOCAL ON/OFF
EMS CONTROL TYPE	-
REMARKS	c/w FANTECH HS 6W LOUVER AND RSK 6 BACK DRAFT DAMPER - -

	ENERGY RECOVERY VENTILATOR SCHEDULE													
	_			_	SUPPLY				ROOM CONDITIONS				ELECTRICAL	
NO. MANUFACTURER		MODEL NO.	MODEL NO.		FLOW	WINTER AIR T	DB/WB (°F)	SUMMER AIR	R AIR T. DB/WB (F) MOTOR FLOW ENTERING	ENTERING AIR	R T. DB/WB(°F) MOTOR			
		(CFM)			ENTERING	LEAVING	ENTERING	LEAVING	POWER (HP)		WINTER	SUMMER	POWER (HP)	VOLTS
IRV-1	GREENHECK	MINIVENT-450-VG	265	55/46.1	67.4/53.2	90/80	78.9/69.1	1/4	2600	72/35.0	75/50	1/4	115	1

DIFFUSER & REGISTER SCHEDULE								
TAG	MANUFACTURER	MODEL	REMARK					
А	TITUS	300FL						
В	TITUS	50F						
С	FANTECH	DGD						

NOTES

THIS IS STANDARD FOR ALL JOBS

REFER TO FLOOR PLAN FOR INSULATION

SYSTEM	PIPE MATERIAL	SIZE STANDARD	WALL THICKNESS	INSULATION	NOTES
DOMESTIC HOT WATER, HOT WATER RETURN AND HEATING (140F OR BELOW)	CPVC	IPS	SCH. 80	1/2" WHERE PIPING IN WALLS 1" FOR PIPING UP TO 2" 11/2" FOR PIPING 21/2" AND GREATER	FIBERGLASS MOLDED WITH ASJ FINISH
DOMESTIC COLD WATER NOT INSIDE RETURN AIR PLENUM	PVC	IPS	SCH. 40	NOT REQUIRED	
DOMESTIC PUMP SUCTION	PVC	IPS	SCH. 40	NOT REQUIRED	
RAIN WATER LEADER AND GRAY WATER LEADER NOT INSIDE RETURN AIR PLENUM	PVC	IPS	SCH. 40	NOT REQUIRED	USE DWV FITTINGS
SOIL DRAINAGE AND SOIL VENT NOT INSIDE RETURN AIR PLENUM	PVC	IPS	SCH. 40	NOT REQUIRED	USE DWV FITTINGS
AC CONDENSATE DRAIN	AC CONDENSATE DRAIN PVC IPS SCH. 40 1/2" FOR PIPING UP TO 3/4" 3/4" FOR PIPING 1" TO 11/4" 1" FOR PIPING 1 1/2" AND GREATER		3/4" FOR PIPING 1" TO 11/4" 1" FOR PIPING 1 1/2" AND	FLEXIBLE ELASTOMERIC	
AIR CONDITIONING REFRIGERANT SUCTION PIPING	I ACR COPPER I CTS I 1" FOR PIPING 1 1/8" AND		FLEXIBLE ELASTOMERIC, ADD COATING FOR PIPE EXPOSED		
COMPRESSED AIR FOR DENTAL CATEGORY 3	TYPE "L" COPPER	стѕ		NOT REQUIRED	WITH COATING

	NOTE: SCHEDULE
PRESSURE TANK	SCHEDULE
UNIT NUMBER	PT1
SERVICE	DOMESTIC COLD WATER
LOCATION	PUMP ROOM
CAPACITY (U.S. GAL.)	20
WORKING PRESSURE (PSIG)	45/55
MANUFACTURER	WELLMATE
MODEL NUMBER	WM-6WM
CONSTRUCTION PHASE	FIT OUT

IISH	RETURN DUCTWORK IN UN-COND SPACE INCLUDING MECHANICAL		GALVANIZED SHEETMETAL		2" FIBERGLASS	WRAP	THIS IS STAN
	REGULAR EXHAUST DUCTWORK BUILDING	INSIDE	GALVANIZED SHEETMETAL		NOT REQUIR	ED	
	FRESH AIR INTAKE DUCTWO	PRK	ALUMINUM		2" FIBERGLASS	WRAP	REFER TO FLOC
	RESIDENTIAL KITCHEN EXHA	UST	GALVANIZED SHEETMETAL		NOT REQUIR	ED	
	NOTE: S	CHEDULE N	MAY ENCOMPASS	DUCTWORK	SYTEMS NOT EMP	LOYED IN	THIS PROJECT
	DOMESTIC	WATER	R PUMP SCH	IEDULE		HE	AT PUMP D
	DOMESTIC UNIT NUMBER	WATER	R PUMP SCH	HEDULE	RP-1	HE	
					RP-1 R RECIRCULATION	HE	UNIT NUMBE
ING	UNIT NUMBER	DOMEST	P1	HOT WATE		HE	UNIT NUMBE SERVICE
TING	UNIT NUMBER SERVICE	DOMEST	P1 IC COLD WATER	HOT WATE	R RECIRCULATION	HE	UNIT NUMBE
TING	UNIT NUMBER SERVICE LOCATION	DOMEST	P1 IC COLD WATER UMP RM	HOT WATE	R RECIRCULATION MP ROOM	HE	UNIT NUMBE SERVICE
TING	UNIT NUMBER SERVICE LOCATION MOTOR POWER (HP)	DOMEST	P1 IC COLD WATER UMP RM 2.11	HOT WATE	R RECIRCULATION MP ROOM 41W		UNIT NUMBE SERVICE LOCATION
TING	UNIT NUMBER SERVICE LOCATION MOTOR POWER (HP) MAX FLOW RATE (USGPM)	DOMEST	P1 IC COLD WATER UMP RM 2.11 22	HOT WATE	R RECIRCULATION MP ROOM 41W 6.4	нот	UNIT NUMBE SERVICE LOCATION TANK SIZE (U.S.
ING	UNIT NUMBER SERVICE LOCATION MOTOR POWER (HP) MAX FLOW RATE (USGPM) DISCHARGE PRESSURE (PSIG)	DOMEST	P1 IC COLD WATER UMP RM 2.11 22 45/55	HOT WATE	R RECIRCULATION MP ROOM 41W 6.4	НОТ	UNIT NUMBE SERVICE LOCATION TANK SIZE (U.S. WATER TEMPER

MANUFACTURER

MODEL NUMBER

REMARKS

DAB WATER TECHNOLOGY

DAB ESYBOX

c/w ESYWALL BRACKET

DCONNECT BOX KIT PIPE

		C HOT WATER HEATER
	SCHE	DULE
1	UNIT NUMBER	HWT-1
CIRCULATION		
ROOM	SERVICE	DOMESTIC HOT WATER
v	LOCATION	PUMP ROOM
ļ	TANK SIZE (U.S. GAL.)	40
)	HOT WATER TEMPERATURE (°F)	125
	ELEMENT POWER (kW)	4.5/4.5
/60	HEAT PUMP CAPACITY (BTU)	
ECHNOLOGY	VOLTAGE/PHASE/Hz	240/1/60
 2 SAN	MIN. FUSE SIZE (AMPS)	
	MANUFACTURER	BRADFORD WHITE
SPEED c/w	MODEL NUMBER	MI40S6DS2
ND TIMER	CONSTRUCTION PHASE	FIT OUT
		•

GENERAL NOTES

All dimensions are in imperial unless otherwise stated

All dimensions shall be checked on site prior to commencing the works and errors and omission to be reports to the architects.

All materials and workmanship shall conform with the relevant specification and codes of practice.

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LIST OF INFORMANTS/CONSULTANT S

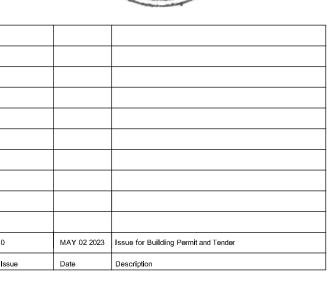
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ISLAND AUTOMATION

BERMUDA AIR CONDITIONING

HENRY SHEIN





Issue Status

Client

DEPARTMENT OF HEALTH
Project

MANGROVE BAY CLINIC RENOVATIONS & ADDITIONS

Project Address
55 MANGROVE BAY
SANDYS

Title Sheet

LEGEND AND EQUIPMENT SCHEDULES

Project No. 5220042

Date: 28.01.23

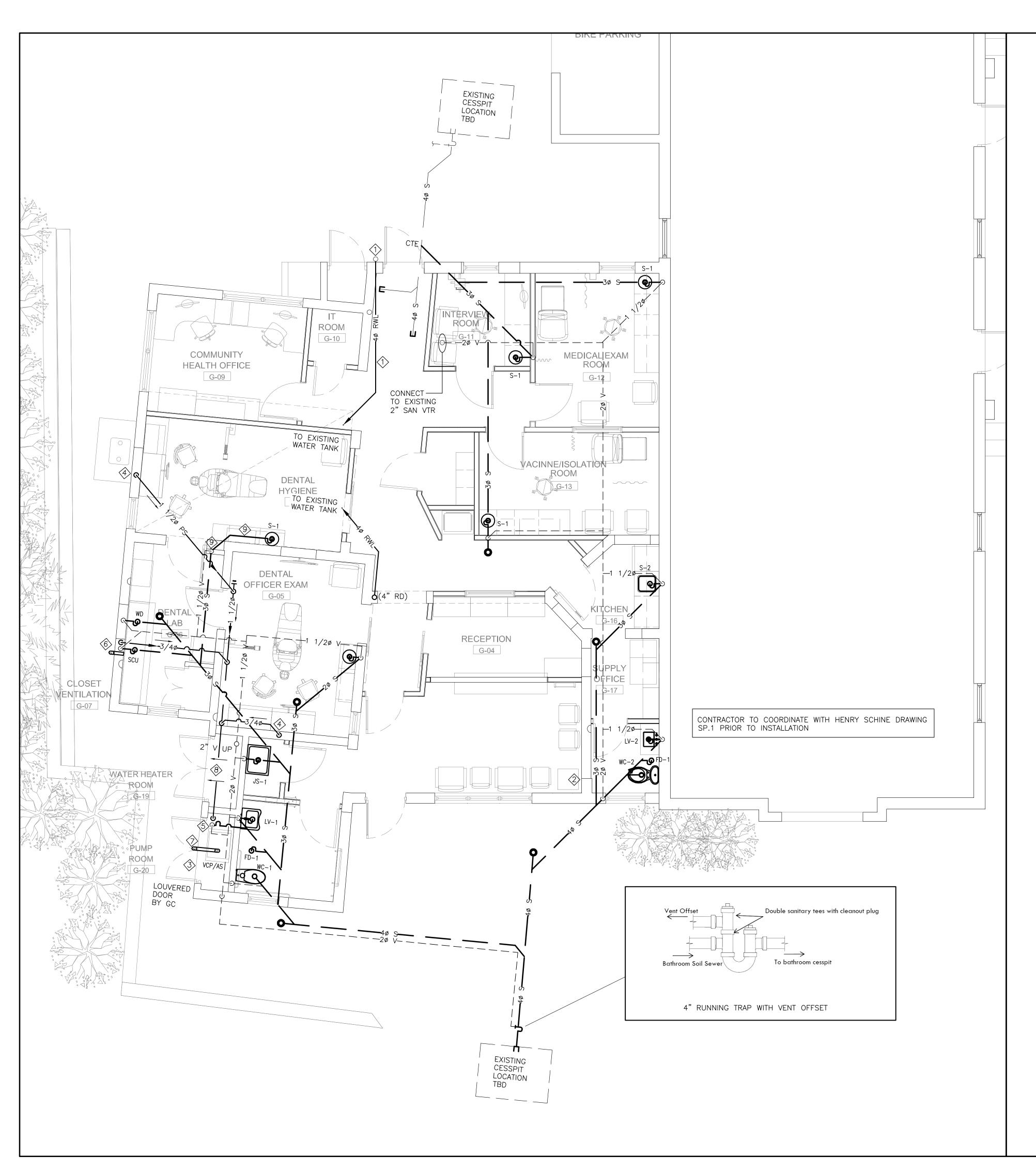
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M-000



	PLUMBING EQUIPMENT SCHEDULE								
	DESCRIPTION	HOT WATER	COLD WATER	FILTERED COLD WATER	SANITARY	VENT	COMPRESSED AIR	VACUUM	NOTES
S-1	MODULAR SINK	1/2"	1/2"		1 1/2"	1 1/2"			
S-2	KITCHEN SINK	1/2"	1/2"		1 1/2"	1 1/2"			
JS-1	FLOOR MOUNTED JANITOR SINK	1/2"	1/2"		1 1/2"	1 1/2"			
WC-1	BARRIER FREE FLOOR MOUNTED FLUSH TANK WATER CLOSET		1/2"		4"	2"			
WC-2	FLOOR MOUNTED FLUSH TANK WATER CLOSET		1/2"		4"	2"			
LV-1	BARRIER FREE WALL HUNG LAVATORY	1/2"	1/2"		1 1/2"	1 1/2"			
LV-2	COUNTER MOUNTED LAVATORY	1/2"	1/2"		1 1/2"	1 1/2"			
FD-1	FINISHED FLOOR FLOOR DRAIN				3"	1 1/2"			
FFD-1	FINISHED FLOOR FUNNEL FLOOR DRAIN				3"	1 1/2"			
HB-1	HOSE BIBB c/w VACUUM BREAKER		3/4"						
WD	WASHER DISINFECTOR (SUPPLIED BY H & S)	1/2"	1/2"		1 1/2"	1 1/2"			
SCU	STERI-CENTER-UTILITY c/w FAUCET (SUPPLIED BY H & S)	1/2"	1/2"		1 1/2"		1/2"	1/2"	
HMS	HANDPIECE MAINTENANCÉ SYSTEM (SUPPLIED BY H & S)	<u> </u>	,		Ĺ	,	1/2"		
DAC	DENTAL AIR COMPRESSOR (SUPPLIED BY H & S)						1/2"		
VCP	VACUUM PUMP (SUPPLIED BY H & S)				1 1/2"	1 1/2"	·	1 1/2"	
AS	AMALGAM SEPARATOR (SUPPLIED BY H & S)							1 1/2"	

PLUMBING NOTES:

- A. INSTALL PLUMBING VENT AS PER CODE REQUIREMENTS.
- B. ALL PLUMBING PIPES SHALL BE CONCEALED IN FURRED WALL PROVIDED OR UNDER SLAB UNLESS OTHERWISE NOTED.

 C. PROVIDE ISOLATION VALVE AT ALL HW & CW TEE—OFFS. PROVIDE ACCESS PANEL TO ISOLATION VALVES AND MIXING
- D. UNLESS NOTED OTHERWISE MINIMUM SLOPE OF SAN PIPING SHALL BE 1/8" PER FEET FOR 4" OR LARGER,
- 1/4" PER FEET FOR 3" OR UNDER, TYPICAL FOR WHOLE BUILDING.
- E. THE VACUUM LINE MINIMUM SLOPE SHALL BE 1/4" PER 10 FEET. USE ONLY 45° ELBOW. NO 90° ELBOW IS ALLOWED. F. FLUSH COLD WATER, HOT WATER AND FILTERED WATER SUPPLY SYSTEMS PRIOR TO EQUIPMENT INSTALLATION. G. PROVIDE TRAP SEAL PRIMER ON ALL FLOOR DRAIN'S EXCLUDE FLOOR DRAIN WHICH SERVES AC CONDENSATE.
- H. MECHANICAL CONTRACTOR SHALL REMOVE ALL EXISTING PLUMBING SERVICES(INCLUDE CW, HW) INSIDE BUILDING. CAP OFF SAN BELOW SLAB, CAP OFF VENT BELOW ROOF FOR NEW CONNECTION. CW SUPPLY TO POST OFFICE BUILDING TO REPLACE WITH NEW.
- EXISTING 4" RWL VERTICAL PORTION TO REMAIN, REPLACE EXISTING CAST IRON PIPE BELOW SLAB WITH NEW TO WATER TANK
- 2 REMOVE EXISTING CAST IRON SAN AND VENT, CAP OFF BELOW GRADE
- REMOVE EXISTING KITCHEN SINK VENT, CAP OFF PIPING BELOW GRADE
- (4) 5/8" SCH 40 PVC VACUUM DN STUB-OUT OF WALL AT 1'-2" FROM FLOOR(SEE H & S DETAIL 3A)
- 1 1/2"ø SCH 40 PVC WITH DWV FITTING VACUUM SUCTION LINE TO AMALGAM SEPARATOR AND VACUUM MACHINE 1 1/2"ø VENTED DRAIN FROM VACUUM MACHINE CONNECT TO SAN (SEE H & S DETAIL 27)
- 6 1 1/2" DRAIN, 1/2" V TO STERI-CENTER-UTILITIES
- 2"Ø SCH 80 PVC EXHAUST THROUGH EXTERIOR WALL c/w GOOSENECK
 CONTRACTOR SHALL COORDINATE WITH H & S FOR PIPING SIZE, LOCATION AND CONNECTION DETAIL
- 2"ø SCH 80 PVC VACUUM EXHAUST THROUGH EXTERIOR WALL
- EXTEND 2' ABOVE ROOF c/w GOOSENECK
- SLOPE FLOOR TO OUTSIDE
- 9 1 1/2" SAN OFFSET UNDER SINK DN TO UNDERGROUND DROP SHALL BE OUTSIDE TANK WALL TO MEET BERMUDA BUILDING CODE GC TO PROVIDE DRYER WALL ENCLOSURE FOR PIPE



GENERAL NOTES

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LIST OF INFORMANTS/CONSULTANT S

ENTECH LTD

ISLAND AUTOMATION

BERMUDA AIR CONDITIONING

HENRY SHEIN



0	MAY 02 2023	Issue for Building Permit and Tender			
Issue	Date	Description			

Issue Status

Client

Project

MANGROVE BAY CLINIC

DEPARTMENT OF HEALTH

RENOVATIONS & ADDITIONS
Project Address

55 MANGROVE BAY SANDYS

Title Sheet

GROUND FLOOR DRAINAGE PLAN

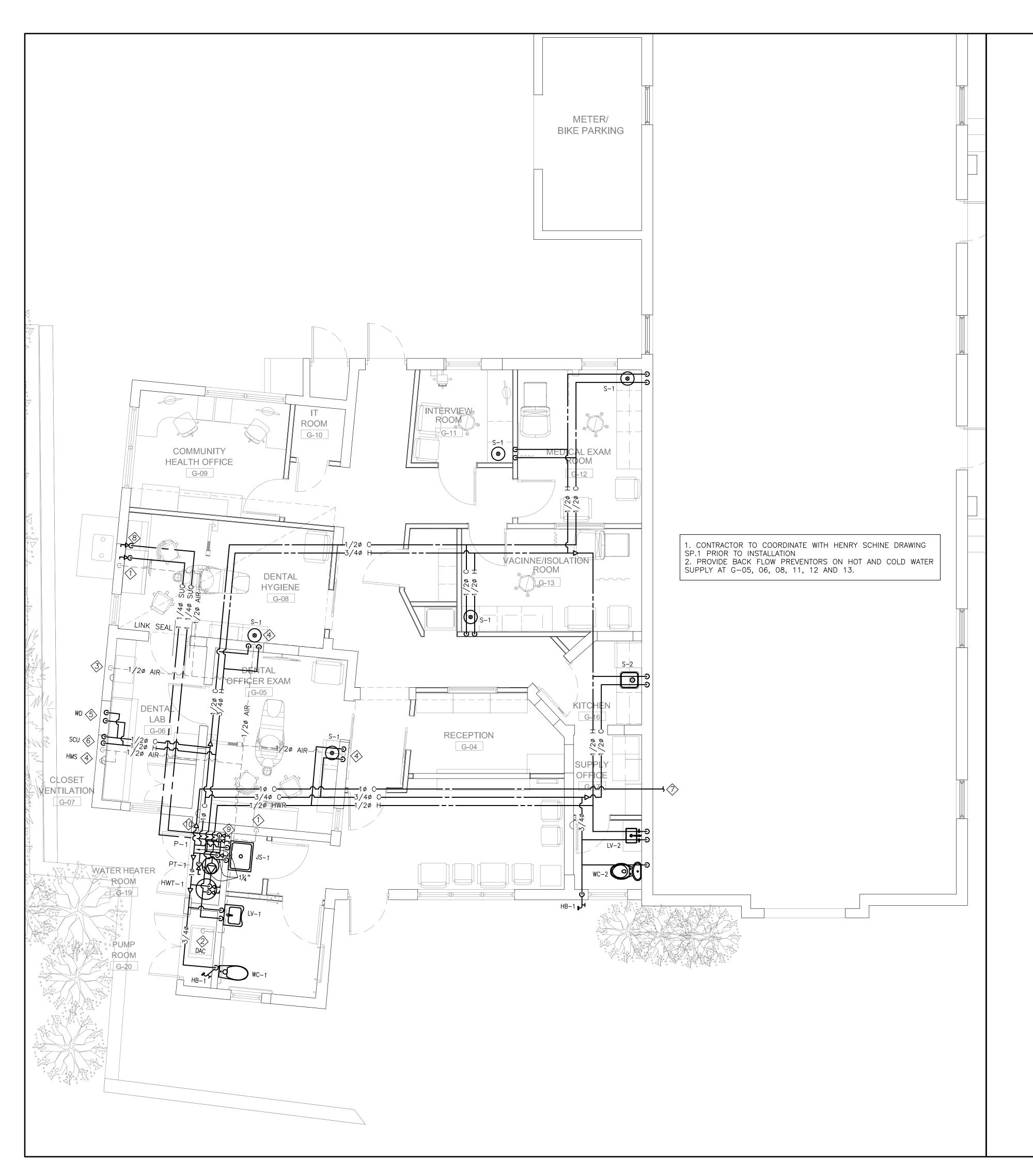
Project No. 5220042

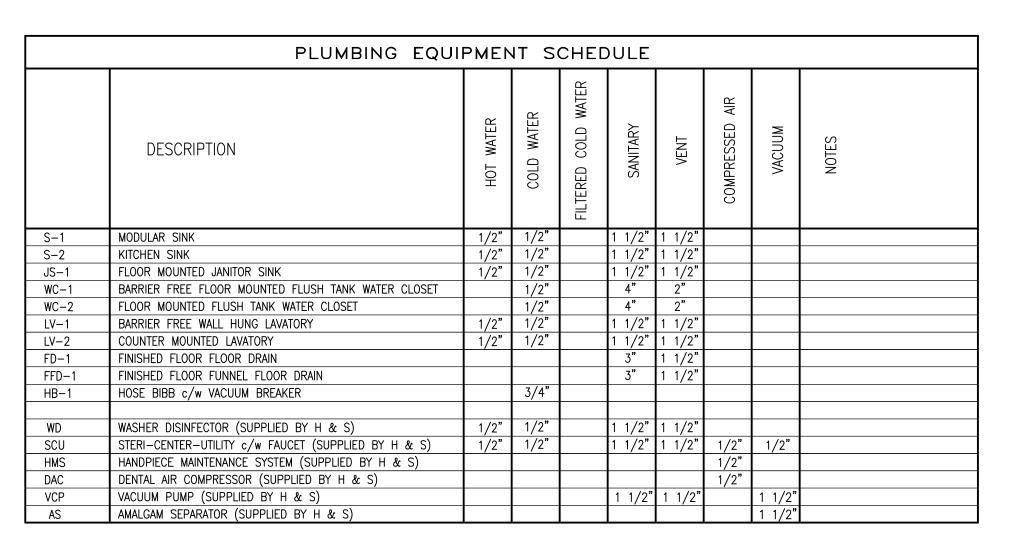
Date: 28.01.23 Scale: 1/4"=1'-0"

Drawn: WL
Sheet No.:

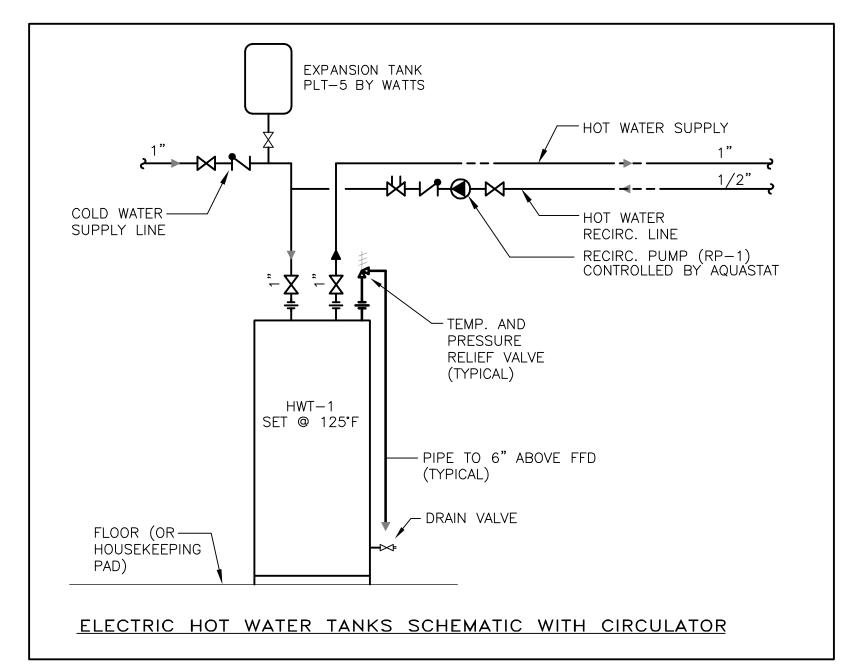
M-100

Chk'd: WL





- 1/2"ø TYPE "L" COPPER COMPRESSED AIR STUB-OUT OF WALL AT 1'-2" FROM FLOOR WITH A 3/8" ANGLE (SEE H & S DETAIL 3A)
- 2 1/2"ø TYPE "L" COPPER DN TO DENTAL AIR COMPRESSOR (SEE H & S DETAIL 25)
- 3 1/2" TYPE "L" COPPER COMPRESSED AIR STUB-OUT OF WALL AT 1'-2" FROM FLOOR WITH A 3/8" ANGLE (SEE H & S DETAIL 13)
- 4 1/2"ø TYPE "L" COPPER COMPRESSED AIR STUB-OUT OF WALL ABOVE COUNTERTOP WITH A 1/4" ANGLE (SEE H & S DETAIL 15B)
- 5 1/2"ø H & CW DN TO WATER DISINFECTOR (SEE H & S DETAIL 15A)
- 6 1/2"ø H & CW, 1/2" COMPRESSED AIR TO STERI-CENTER-UTILITIES
- CONTRACTOR SHALL COORDINATE WITH H & S FOR PIPING SIZE, LOCATION AND CONNECTION DETAIL
- 1"ø CW CONNECT TO EXISTING SERVE POST OFFICE. EXACT LOCATION TO BE CONFIRMED ON SITE
- TWO 11/4" PUMP SUCTIONS WITH FOOT VALVE AND STRAINER, CONTRACTOR TO CONFIRM ON SITE IF TANK HAS SINGLE COMPARTMENT, THEN ONLY ONE SUCTION IS NECESSARY
- 9 1¼" PUMP SUCTION WITH SHUT OFF VALVES TO WALL MOUNTED PUMP P-1. PROVIDE STAND PIPE WITH THREAD CAP
- 1" CW WITH SHUT OFF VALVE TO POST OFFICE





GENERAL NOTES

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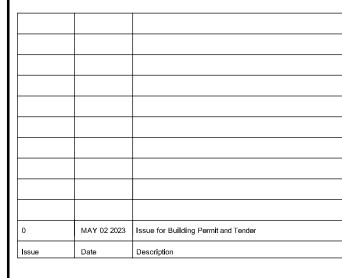
LIST OF INFORMANTS/CONSULTANT S

ENTECH LTD

ISLAND AUTOMATION BERMUDA AIR CONDITIONING

HENRY SHEIN





Issue Status

DEPARTMENT OF HEALTH

Project MANGROVE BAY CLINIC **RENOVATIONS & ADDITIONS**

Project Address

55 MANGROVE BAY SANDYS

Title Sheet

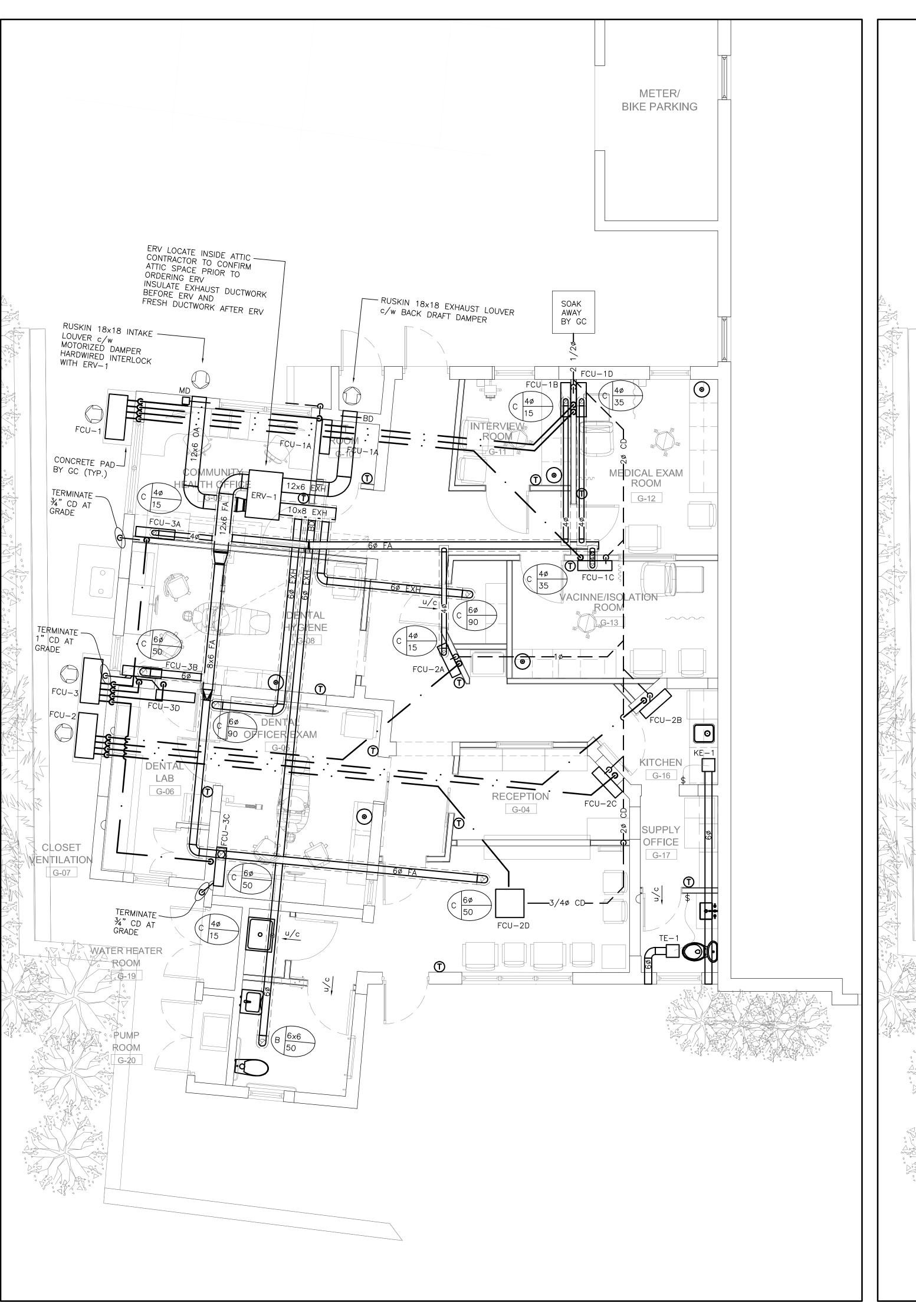
GROUND FLOOR PLUMBING PLAN

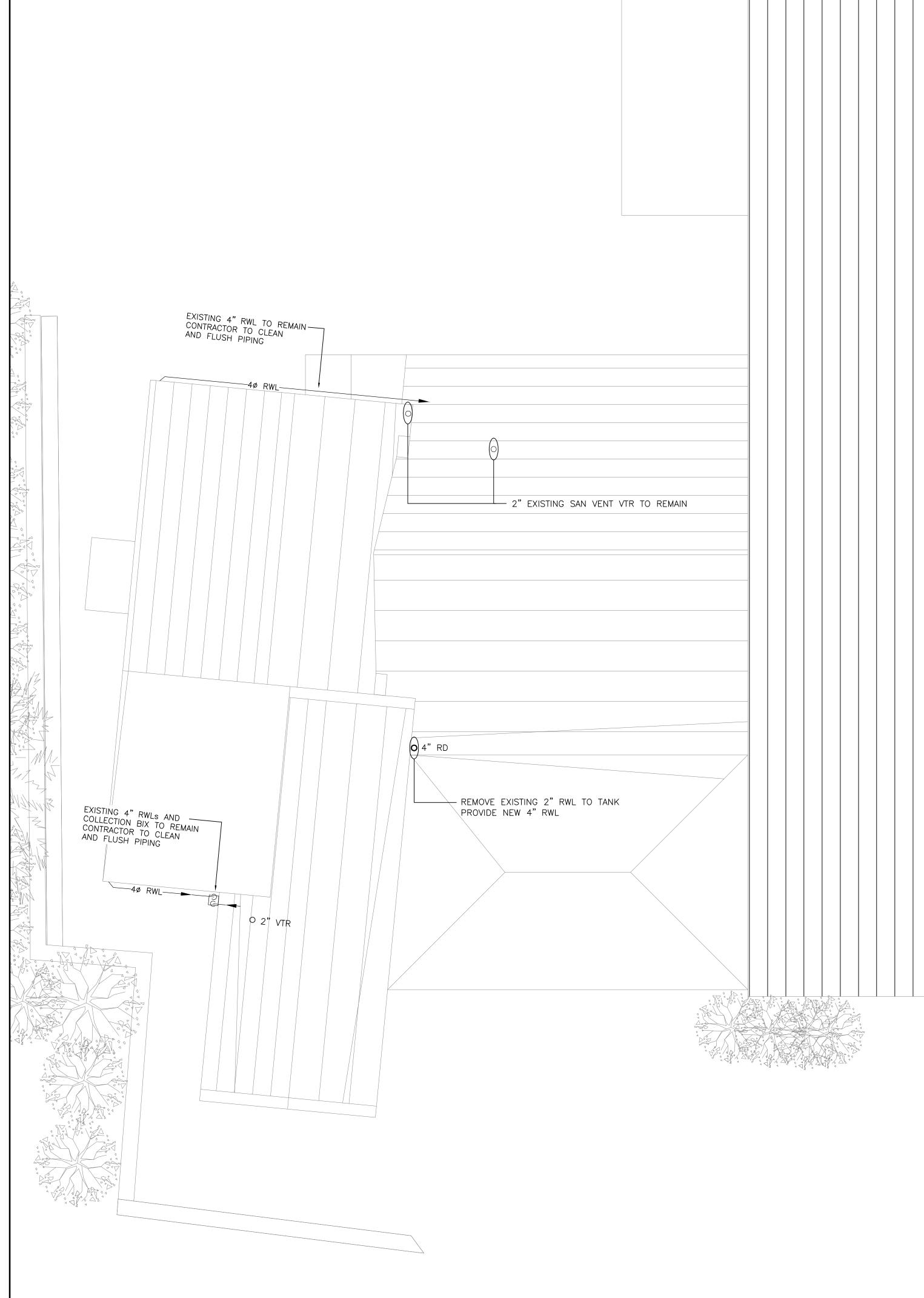
Project No. 5220042 Date: 28.01.23

Scale: 1/4"=1'-0" Drawn: WL Chk'd: WL

Sheet No.:

M-101







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ISLAND AUTOMATION

BERMUDA AIR CONDITIONING

HENRY SHEIN



0	MAY 02 2023	Issue for Building Permit and Tender
Issue	Date	Description

Issue Status

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DEPARTMENT OF HEALTH

Project

MANGROVE BAY CLINIC
RENOVATIONS & ADDITIONS

Project Address
55 MANGROVE BAY

Title Sheet

SANDYS

GROUND FLOOR HVAC PLAN AND ROOF MECHANICAL PLAN

 Project No. 5220042

 Date: 28.01.23
 Scale: 1/4"=1'-0"

 Drawn: WL
 Chk'd: WL

Sheet No.:

M-200

MECHANICAL SPECIFICATION

A. GENERAL

1. MECHANICAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH ARCHITECTUAL, STRUCTURAL, AND ELECTRICAL

2. THE MECHANICAL DRAWINGS DO NOT SHOW ALL THE ARCHITECTURAL AND STRUCTURAL DETAILS, AND ANY INFORMATION INVOLVING ACCURATE MEASURING OF THE BUILDING SHALL BE TAKEN AT SITE.

3. THE MECHANICAL CONTRACTOR SHALL VERIFY EXACT LOCATION OF EXISTING SERVICES. BEFORE FABRICATION AND INSTALLATION OF PIPING AND DUCT, MAKE CERTAIN THAT SUCH ITEMS CAN BE INSTALLED WITHOUT INTERFERENCE WITH THE EXISTING SERVICES, STRUCTURE OR WORK OF OTHER TRADES. MAKE ANY NECESSARY CHANGES OR ADDITIONS TO RUNS OF PIPING AND DUCTWORK, ETC. TO ACCOMMODATE THE ABOVE CONDITIONS.

4. THE LOCATION OF EQUIPMENT MAY BE ALTERED WITHOUT CHARGE PROVIDING THE CHANGE IS MADE BEFORE INSTALLATION AND DOES NOT NECESSITATE MAJOR ADDITIONAL MATERIAL.

5. BEFORE SUBMITTING ANY BID, THE CONTRACTOR SHALL VISIT THE SITE AND EXAMINE THE EXISTING CONDITIONS AND ANY LIMITATIONS. CHECK EXISTING ARCHITECTURE, STRUCTURE OF THE BUILDING. (I.E. WALLS, FLOORS, ETC.) AND EXISTING SEREVICES.

6. EXAMINE THE PROPOSED INSTALLATION AGAINST THE EXISTING CONDITIONS. AFTER EXAMINING ALL THE ABOVE AGAINST THE PLANS, SPECIFICATIONS AND TERMS OF THE CONTRACT, CONTRACTOR MUST SATISFY THEMSELVES THAT THE PROPOSED INSTALLATION CAN BE CARRIED OUT AS INTENDED TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL

7. COORDINATE WITH END-USERS AND PROJECT MANAGER FOR SCHEDULING OF WORK AFFECTING THE EXISTING SYSTEMS. PROVIDE ANY NECESSARY PROTECTION TO MINIMIZE DUST DURING WORK AND KEEP WORK AREA CLEAN AT

8. PRIOR TO ANY DRILLING, CONTRACTOR WILL OBTAIN APPROVAL BY STRUCTURAL ENGINEER TO AVOID ANY INTERFERENCE, X-RAY SHALL BE PERFORMED BEFORE ANY DRILLING IS TO BE COMMENCED.

9. FILE ALL NECESSARY PLANS FOR PERMITS, ARRANGE FOR ALL INSPECTIONS, AND PAY ALL FEES AS REQUIRED BY CODE AND LOCAL AUTHORITIES. PROVIDE THE OWNER WITH A CERTIFICATE OF ALL SUCH INSPECTIONS PRIOR TO FINAL

10. MATERIAL, PRODUCTS AND EQUIPMENT SHALL BE NEW, OF THE BEST QUALITY AND OF UNIFORM PATTERN. ALL WORK SHALL BE CARRIED OUT BY SKILLED WORKMAN, EXPERIENCED IN THIS TYPE OF WORK TO ENSURE FIRST CLASS INSTALLATION. MATERIAL NOT SPECIFIED SHALL BE AT LEAST THE SAME AS EXISTING.

11. ALL UNWANTED ROOF OPENINGS SHALL BE CLOSED AND INSULATED BY THE GENERAL CONTRACTOR. ALL FLASHING AND COUNTER-FLASHING OF ALL ROOF OPENINGS FOR MECHANICAL INSTALLATIONS SHALL BE CARRIED OUT BY THE MECHANICAL CONTRACTOR.

12. ALL MATERIALS TO MEET FLAME SPREAD RATING REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION. THE USE OF ANY CHEMICALS IN THE BUILDING SHALL NOT BE ALLOWED.

13. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE LAYOUT OF THE MECHANICAL WORK, AND FOR THE COORDINATION OF MECHANICAL WORK WITH ALL OTHER TRADES.

14. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING THE SITE AND REMOVING WASTE MATERIALS CAUSED BY THE PERFORMANCE OF THE MECHANICAL WORK.

15. SUBMIT SHOP DRAWINGS IN PDF FOR ALL EQUIPMENT PRIOR TO ORDERING THE EQUIPMENT.

16. SUBMIT 3 COPIES OF OPERATIONS AND MAINTENANCE MANUALS PRIOR TO SUBSTANTIAL

17. AFTER ALL EQUIPMENT HAS BEEN INSTALLED, ADJUSTED, BALANCED, AND STARTED UP BY THE MECHANICAL CONTRACTOR. SUBJECT EQUIPMENT TO A SERIES OF PERFORMANCE TESTS AS SOON AS CONDITIONS PERMIT.

18. OPERATE EQUIPMENT UNDER VARYING LOAD CONDITIONS, DEMONSTRATE STARTUP SEQUENCE, NORMAL SHUTDOWN, SIMULATED EMERGENCY SHUTDOWN, OPERATION OF TEMPERATURE, ETC., AND SAFETY CONTROLS. OPERATE SWITCHES AND ELECTRICAL DEVICES FOR CORRECT WIRING SEQUENCES. ADJUST COMPONENTS TO ACHIEVE A PROPER FUNCTIONAL RELATIONSHIP AMONG ALL THE COMPONENTS OF ALL THE SYSTEMS. REPAIR DEFECTS AND REPEAT TESTS AS NECESSARY

19. IDENTIFICATION: PROVIDE METAL NAMEPLATE ON EACH PIECE OF EQUIPMENT. MECHANICALLY FASTENED WITH RAISED OR RECESSED LETTERS. MANUFACTURERS NAMEPLATE TO INDICATE SIZE, EQUIPMENT MODEL, MANUFACTURER'S NAME. SERIAL NUMBER, VOLTAGE, CYCLE, PHASE AND POWER OF MOTORS. IDENTIFY MEDIUM IN PIPING WITH MARKERS SHOWING NAME AND SERVICE INCLUDING TEMPERATURE, PRESSURE AND DIRECTIONAL FLOW ARROWS IN ACCORDANCE WITH CGSB 24-GP-3A. USE 2" HIGH BLACK STENCILED LETTERS, E.G. "SUPPLY AC-1", "RETURN AC-1", "SANITARY EXHAUST EF-1" WITH DIRECTIONAL FLOW ARROW. LETTERING MUST IDENTIFY THE SYSTEM THAT THE DUCTWORK SERVES. FOR VALVES AND CONTROLLERS, PROVIDE TWO-PLY ENGRAVED LAMINATED PLASTIC TAGS EQUAL TO SMS SERIES LS-1500 COLOR CODING.

B. DEMOLITION

- 1. REMOVE MECHANICAL ITEMS SHOWN AND INDICATED ON DRAWINGS AND AS SPECIFIED.
- 2. MAINTAIN LIFE SAFETY SYSTEMS TO ENTIRE FACILITY AT ALL TIMES DURING CONSTRUCTION PERIOD.
- REMOVE ALL MECHANICAL COMPONENTS MADE REDUNDANT BY THE RENOVATION. INCLUDE ALL ITEMS IN WALLS TO BE REMOVED.
- 4. DO ALL WORK IN ACCORDANCE TO CURRENT BUILDING CODE AND ALL APPLICABLE CODES AND REGULATIONS REQUIREMENTS.
- 5. EXCEPT OTHERWISE INDICATED, SALVAGEABLE MATERIALS FROM AREA OF DEMOLITION SHALL BECOME THE PROPERTY OF THE OWNER AT HIS DISCRETION. ALL MATERIAL REMOVED FROM THE BUILDING NOT HANDED OVER TO THE OWNER. FOR SALVAGE UNDER THIS PROJECT SHALL BE REMOVED FROM SITE. TURN OVER TO OWNER ALL EXISTING EQUIPMENT NO LONGER REQUIRED BY THIS RENOVATION. REMOVE FROM SITE ANY EQUIPMENT DEEMED REDUNDANT BY OWNER.
- 6. PROTECT ALL REMOVED REQUIPMENT THAT ARE TO BE RETAINED FROM DAMAGE.
- 7. CO-ORDINATE WITH ALL OTHER DIVISIONS FOR AMOUNT AND EXTENT OF THEIR DEMOLITION.
- 8. CAP AND VALVE, IF APPLICABLE, ALL UNUSED EXISTING SERVICES (I.E. WATER, DRAIN PIPING, VENT, ECT.) CUT BACK TO WALL OR BELOW FLOOR LEVEL, UNLESS OTHERWISE NOTED.

9. CUT AND REMOVE UNUSED DUCTWORK BACK TO THE SOURCE, I.E. SUPPLY AND EXHAUST FANS, UNLESS OTHERWISE

C. PLUMBING & FIRE PROTECTION

AND INSTALL DRAIN VALVES AT ALL LOW POINTS.

- 1. PROVIDE COMPLETE SYSTEM AS SHOWN AND INDICATED, INCLUDING WATER, WASTE, VENT, CLEANOUTS, PIPE INSULATION. VALVES. ETC.
- 2. ALL PLUMBING WORK, MATERIALS AND INSTALLATIONS SHALL MEET THE REQUIREMENTS OF THE LATEST EDITION OF BOCA PLUMBING CODES AND ANY AUTHORITIES HAVING JURISDICTION.
- 3. INSTALL PIPE SLEEVES AT ALL PIPES PENETRATING FLOOR SLABS AND WALLS. SUPPLY AND INSTALL CHROME PLATED ESCUTCHEON PLATES AT ALL EXPOSED PIPE PENETRATIONS THROUGH WALLS. CEILINGS AND FLOORS. SUPPLY

4. INSULATE ALL DOMESTIC HOT, COLD AND HOT WATER RE-CIRCULATING PIPES WITH 1" PERFORMED LOW PRESSURE FIBERGLASS INSULATION WITH VAPOUR BARRIER JACKET. SEAL ALL JOINTS OF VAPOUR BARRIER WITH LAP CEMENT.

5. USE CRANE F9122 OR F9102 BALL VALVES, CRANE 7 GLOBE VALVES, CRANE 137 CHECK VALVES. PROVIDE SHUTOFF VALVES OR SCREWDRIVER STOPS ON WATER SERVICE TO EQUIPMENT. USE BACK FLOW PREVENTERS ON EQUIPMENT CONNECTIONS, WHERE APPLICABLE, AS PER CODE.

- 6. PROVIDE SHUT OFF VALVES FOR ALL EQUIPMENT, RISERS, PLUMBING FIXTURES, TEE-OFFS, AND BRANCHES LEADING TO FIXTURES UNLESS NOTED OTHERWISE.
- 7. PROVIDE VENT PIPE FOR ALL PLUMBING FIXTURES, TRAP SEALS, AND TRAP SEAL PRIMERS FOR ALL FLOOR DRAINS AS PER CODE REQUIREMENTS.
- 8. PROVIDE TYPE ABC-10G FIRE EXTINGUISHERS BY NATIONAL FIRE AS REQUIRED BY LOCAL AUTHORITY.
- 9. REFER TO PIPE SCHEDULE AND PLUMBING FIXTURE SCHEDULE FOR PIPING/INSULATION MATERIAL AND FIXTURE DETAILS.
- 10. PROVIDE CEILING ACCESS DOORS WHERE REQUIRED AND AS INDICATED ON ARCHITECTURAL DRAWINGS.

11. ALL PIPING SHALL BE CONCEALED. ALL PIPING RUN OUT TO PLUMBING FIXTURES AND GAS COCKS SHALL BE ROUTED DOWN IN NEW WALL CAVITIES AS PROVIDED BY THE GENERAL CONTRACTOR TO RESPECTIVE FIXTURE UNITS. REFER TO ARCHITECTURAL DRAWINGS FOR WALL CONSTRUCTION AND PIPE CHASES. 12. MECHANICAL CONTRACTOR SHALL SUPPLY AND INSTALL ALL PIPING BEDDING AND BACKFILLING MATERIAL FOR

13. SPECIFICATIONS OF PLUMBING FIXTURES: (FOR PLUMBING FIXTURES OTHER THAN SPECIFIED BELOW REFER TO DRAWING M302)

STERN WILLIAMS #MTB-2424 SQUARE SERVICE / MOP SINK, 610 MM (24") X 610 MM (24") X 254 MM (10") DEEP, FLOOR MOUNTED, TERRAZZO COMPOSED OF PEARL GRAY MARBLE CHIPS AND PORTLAND CEMENT GROUND SMOOTH, SEALED TO RESIST STAIN, CAST BRASS DRAIN WITH STAINLESS STEEL STRAINER, 3"(75MM) OUTLET. CHICAGO FAUCETS #897-369VP-XK WALL MOUNTED TWO HANDLE MANUAL FAUCET, CHROME PLATED, 8" (203MM) CENTERSET, SOLID BRASS EXPOSED BODY, CERAMIC 1/4 TURN CARTRIDGES, UNRESTRICTED HOSE END OUTLET, 200 MM (7-7/8") FROM WALL TO OUTLET REACH, INTEGRAL ATMOSPHERIC VACUUM BREAKER, METAL RED AND BLUE INDEX BUTTONS 60 MM (2-3/8")LONG LEVER HANDLES WITH VANDAL RESISTANT SCREW. WALL BRACE SUPPORT. STERN WILLIAMS T-35 HOSE AND WALL HOOK 36" (914MM) LONG HOSE WITH 3/4" (19MM) CHROME COUPLING, STAINLESS STEEL WALL BRACKET. STERN WILLIAMS T-40 MOP HANGER STAINLESS STEEL #4 FINISH, 24" (610MM) LONG WITH 3 RUBBER SPRING LOADED CLIPS. STERN WILLIAMS BP BACK SPLASH PANEL 20 GAUGE TYPE 304 STAINLESS STEEL. PROVIDE P-TRAP, SAME MATERIAL AS THE CONNECTING PIPE DRAIN.

FD-1 FLOOR DRAINS - FINISHED AREA - ADJUSTABLE STRAINER

DRAINAGE PIPING INSTALLED BELOW THE BUILDING FLOOR.

<u>JS-1 SERVICE / MOP SINK - TWO HANDLE - MANUAL FAUCET</u>

WATTS #FD-100-C -NH-A5-1 FLOOR DRAIN, EPOXY COATED CAST IRON BODY, ANCHOR FLANGE, REVERSIBLE CLAMPING COLLAR WITH PRIMARY AND SECONDARY WEEPHOLES, NO HUB, 5" (127MM) DIAMETER, NICKEL BRONZE STRAINER.

FFD-1 FLOOR DRAINS - FINISHED AREA - STRAINER WITH FUNNEL

JAY R. SMITH #2005-3580NB-A05NB FLOOR DRAIN, ALL DUCO COATED, 9" (220MM) DIA. CAST IRON BODY, REVERSIBLE FLASHING CLAMP WITH SEEPAGE OPENINGS, NO-HUB OUTLET ROUND FUNNEL 4" (102MM) DIA. (BOLTED-ON TO STRAINER) NICKEL BRONZE, 5" NICKEL BRONZE ROUND STRAINER.

PROVIDE CLEANOUT SUITABLE IN ALL RESPECTS FOR THE INTENDED APPLICATION WHERE SHOWN ON THE DRAWINGS OR WHERE REQUIRED BY CODE. CLEANOUTS IN PIPING 4" AND SMALLER SHALL BE SAME SIZE AS PIPE. OTHER CLEANOUTS SHALL BE A MINIMUM 4" DIAMETER.

D. H.V.A.C.

- 1. THE MECHANICAL CONTRACTOR SHALL VERIFY EXACT LOCATION AND OF EQUIPMENT PRIOR TO FABRICATION AND INSTALLATION OF DUCTWORK. PROVIDE ALL REQUIRED ELBOWS, DUCT ACCESSORIES, ETC. TO COMPLETE THE INTENT OF THE MECHANICAL DRAWINGS.
- 2. FABRICATE DUCTWORK AND HANGERS TO LATEST ASHRAE AND SMACNA RECOMMENDATIONS. ALL SUPPLY, EXHAUST AND FRESH AIR DUCTWORK SHALL BE KOOLDUCT, 1 3/16" THICKNESS, WITH THERMAL RESISTANCE R=8. SEAL ALL JOINTS OF VAPOUR BARRIER PER MANUFACTURER'S RECOMMENDATION. ACCEPTABLE MANUFACTURER SHALL BE KINGSPAN OR EQUAL.
- 3. PROVIDE GRILLES AND REGISTERS OF SIZE AND TYPE AS SHOWN ON THE DRAWINGS. FINAL LOCATIONS SHALL SUIT CEILING PLANS AND/OR AS DIRECTED ON SITE.
- 4. FLEXABLE DUCT SHALL BE ALPHA INDUSTRIES LTD., WOUND, CONTINUOUS LOCK SEAM, FLEXIBLE, CORRUGATED,
- TYPE 3003 ALUMINUM ALLOY TUBE C/W 1" OF FLEXIBLE DUCTWORK SHALL BE MAXIMUM 5 DUCTWORK.

E. TESTING, ADJUSTING AND BALANCING

1. PROVIDE ALL NECESSARY BALANCING AND VOLUME CONTROL DAMPERS. BALANCE AIR SYSTEM TO VOLUMES NOTED ON DRAWINGS. SUBMIT 3 COPIES OF BALANCING REPORT TO THE ENGINEER. AIR BALANCING MUST BE DONE BY AN INDEPENDENT AIR BALANCING CONTRACTOR AND A REPRESENTATIVE OF THE ASSOCIATED AIR BALANCING COUNCIL. BALANCING OF AIR SYSTEM SHALL BE AT FULL LOAD CONDITIONS.

F. CONTROL

MANUFACTURE AND INSTALLATION WHEN REQUIRED SHALL BE BY OWNER'S/LANDLORD'S APPROVED CONTRACTOR. NEW THERMOSTATS SHALL MATCH BASE BUILDING.

MOUNTING HEIGHT SHALL BE 5 FT. 0 IN. FROM FINISHED FLOOR. COORDINATE LOCATION WITH ARCHITECT/DESIGNER. DO NOT INSTALL IN VISCINITY OF ELECTRICAL LIGHTING DIMMERS.

CLEAN AND RECALIBRATE ALL EXISTING THERMOSTATS UPON COMPLETION OF CONSTRUCTION. SUBMIT REPORT THAT THIS WORK WAS COMPLETED.

PROVIDE ALL NECESSARY EMT CONDUIT, FITTINGS AND WIRE TO PROVIDE A COMPLETE AND OPERATING CONTROL SYSTEM. HARD WIRE ALL ELECTRICAL CONTROL DEVICES INTO THE ASSOCIATED SYSTEM MAGNETIC STARTER. PROVIDE POWER TO CONTROL PANEL FROM THE NEAREST NORMAL POWER ELECTRICAL DISTRIBUTION PANEL.



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ISLAND AUTOMATION BERMUDA AIR CONDITIONING

HENRY SHEIN



0	MAY 02 2023	Issue for Building Permit and Tender
Issue	Date	Description

Issue Status

Project

MANGROVE BAY CLINIC

DEPARTMENT OF HEALTH

RENOVATIONS & ADDITIONS

Project Address 55 MANGROVE BAY SANDYS

Title Sheet

SPECIFICATION MECHANICAL

Project No. 5220042 Date: 28.01.23 Scale: N.T.S. Drawn:WL Chk'd: WL

Sheet No.:

PREPARED FOR:

MANGROVE BAY CLINIC MINISTRY OF HEALTH, GOV. OF BERMUDA

GENERAL NOTES & CONDITIONS (ALL TRADES)

1. DEFINITIONS

HENRY SCHEIN, HENRY SCHEIN INC., HENRY SCHEIN DENTAL, OR HSD INC. REFERS TO THE EQUIPMENT SUPPLIER FOR THIS PROJECT ENGAGED BY THE OWNER UNDER A SEPARATE CONTRACT.

E.S. - "EQUIPMENT & TECHNOLOGY SPECIALIST" IS A HENRY SCHEIN EMPLOYEE THAT SPECIALIZES IN THE MANAGEMENT OF EQUIPMENT AND/OR TECHNOLOGY SALES AND INSTALLATIONS AND HAS ASSISTED THE OWNER IN THE PREPARATION OF DRAWINGS AND SPECIFICATIONS FOR THE CONSTRUCTION OF THE PROPOSED FACILITIES.

THE "GENERAL CONTRACTOR", ALSO KNOWN AS THE 'G.C.' IS REFERRED TO AS THE PERSON(S) OR ENTITY WHO HAS ENTERED INTO A CONTRACTUAL AGREEMENT WITH THE OWNER FOR THE WORK DEFINED IN SUCH AGREEMENT. THE G.C. IS RESPONSIBLE FOR ALL WORK CARRIED OUT BY THEIR SUBCONTRACTORS OR SUBTRADES. IF THE CONSTRUCTION OF THE PROJECT IS LET UNDER SEPARATE CONTRACTS BY THE OWNER, THE RESPONSIBILITIES STIPULATED BELOW SHALL APPLY TO EACH CONTRACTOR.

THE "OWNER" IS REFERRED TO AS THE PERSON(S) OR ENTITY WHO OWNS OR LEASES THE PREMISES FOR WHICH A CONSTRUCTION AGREEMENT HAS BEEN ENTERED UPON WITH THE GENERAL CONTRACTOR. WHERE THE OWNER, AS REFERRED TO ABOVE, LEASES THE PREMISES THE ENTITY WHO HAS OWNERSHIP OF THE PROPERTY WILL BE REFERRED TO AS THE LANDLORD.

THE "OWNER'S AGENT" IS A REPRESENTATIVE OF THE AGENT ACTING ON THEIR BEHALF AND MAY HAVE THE AUTHORITY TO MAKE DECISIONS IN THEIR ABSENCE. THIS MAY BE AN OFFICE MANAGER, AN ARCHITECT, AN ENGINEER, OR A PROJECT MANAGER HIRED BY THE OWNER.

2. DRAWINGS

THESE DRAWINGS ARE PREPARED BY HENRY SCHEIN AS DENTAL CONSULTANTS FOR ASSISTING AN ARCHITECT/CONTRACTOR TO PRODUCE CONSTRUCTION DOCUMENTS & BUILD A DENTAL OFFICE. THEY DO NOT CONSTITUTE A COMPLETE SET OF CONSTRUCTION DOCUMENTS. ITEMS REQUIRED FOR BUILDING PERMITS OR CONSTRUCTION MAY NOT APPEAR ON THESE DRAWINGS. IF THESE DRAWINGS ARE BEING SUBMITTED FOR BUILDING PERMIT, IT REMAINS THE OWNER AND/OR GENERAL CONTRACTOR'S RESPONSIBILITY RETAIN THE PROPER CONSULTANTS TO PREPARE COMPLETE ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS.

DOOR SPECIFICATIONS, LIGHTING DESIGN, FINAL REFLECTED CEILING PLANS, AND OTHER SPECIFICATIONS NOT COVERED IN THESE DRAWINGS ARE BY OTHERS.

RETENTION OF OTHER CONSULTANTS SUCH AS AN ARCHITECT, M.E.P. ENGINEERS, OR SECURITY CONSULTANT, ARE THE RESPONSIBILITY OF THE OWNER AND/OR GENERAL CONTRACTOR.

3. HENRY SCHEIN, INC. RESPONSIBILITIES

HENRY SCHEIN, INC. WILL ISSUE DETAILED DRAWINGS SHOWING CRITICAL LOCATIONS & REQUIREMENTS OF ALL DENTAL-SPECIFIC EQUIPMENT. THE E.S. WILL BE AVAILABLE FOR PERIODIC FIELD VISITS. VISITS WILL BE LIMITED TO A PRE-CONSTRUCTION ON-SITE MEETING, LAYOUT CHECKS AND INSTRUCTIONS TO THE VARIOUS TRADES IN THE CRITICAL ASPECTS OF THE WORK PERTAINING TO DENTAL AND ALLIED EQUIPMENT. ALL REQUESTS FOR FIELD VISITS SHALL ALLOW REASONABLE ADVANCED NOTICE. HENRY SCHEIN, INC. AND ITS REPRESENTATIVES WILL NOT ASSUME ANY RESPONSIBILITIES FOR DEVIATIONS FROM THESE DRAWINGS WITHOUT PRIOR WRITTEN CONSENT.

PRIOR TO CONSTRUCTION, THE E.S. WILL VERIFY THE SITE DIMENSIONS OF THE SPACE PRIOR TO ENSURE THEY COINCIDE WITH THE DETAILED DRAWINGS. DURING CONSTRUCTION, THE E.S. WILL CHECK THE JOBSITE PERIODICALLY AS REQUIRED. THE E.S. WILL BE AVAILABLE TO ASSIST THE CONTRACTOR(S) AND THE OWNER IN THE INTERPRETATION OF THESE DRAWINGS AND SPECIFICATIONS. PRIOR TO ENCLOSING WALLS, THE GENERAL CONTRACTOR AND/OR THE FRAMING SUBCONTRACTOR IS REQUIRED TO COORDINATE WITH THE E.S. AND THE HENRY SCHEIN INSTALLATION TECHNICIAN. THIS INSPECTION IS CRITICAL TO ENSURE THAT THE WALL AND/OR CEILING SUPPORTS FOR DENTAL EQUIPMENT WILL MATCH WITH ANY CHANGES THAT MAY HAVE OCCURRED WITH THE OWNER'S EQUIPMENT ORDER. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO HAVE PLUMBING, ELECTRICAL, SUPPORT BACKING, AND LEAD INSTALLATION APPROVED BY MUNICIPAL INSPECTORS BEFORE POURING SLABS, ENCLOSING PARTITIONS AND CEILING.

HENRY SCHEIN WILL NOT BE RESPONSIBLE FOR ANY UNFORESEEN CONDITIONS ARISING OUT OF, OR DURING THE COURSE OF, CONSTRUCTION NOR FOR ANY DEVIATIONS FROM DRAWINGS AND/OR SPECIFICATIONS WITHOUT PRIOR WRITTEN CONCENT.

EQUIPMENT INSTALLATION

A PRE-CONSTRUCTION MEETING IS REQUIRED WITH THE GENERAL CONTRACTOR, PLUMBER, ELECTRICIAN, CABINET MAKER, AND THE E.S. ALL TEMPLATES CRITICAL TO EQUIPMENT INSTALLATION WILL BE DISTRIBUTED AT THIS MEETING.

THE E.S. WILL INSPECT PREMISES PRIOR TO THE INSTALLATION OF ITS EQUIPMENT AT WHICH TIME ALL FINISHES (CEILINGS, FLOORING, AND PAINTING) AND MECHANICAL WORK MUST BE COMPLETED. RESPONSIBILITIES FOR THE INSTALLATION AND/OR HOOKUP OF DENTAL EQUIPMENT WILL BE DEFINED IN THE SPECIFICATIONS FOR EACH TRADE. HENRY SCHEIN DENTAL REQUIRES THAT ALL APPLICABLE TRADES BE REPRESENTED AT THE TIME OF INSTALLATION.

GENERAL CONTRACTOR (G.C.) - RESPONSIBILITIES

ALL ITEMS LISTED OR NOTED HEREIN ARE FOR GUIDANCE ONLY AND DO NOT NECESSARILY CONSTITUTE THE ENTIRE EXTENT OF THE WORK TO BE CARRIED OUT UNDER THE CONTRACT. THE GENERAL CONTRACTOR IS RESPONSIBLE TO DEFINE AND PROVIDE ALL THE WORK REQUIRED TO COMPLETE THIS PROJECT TO THE TRUE INTENT OF THE CONTRACT WHETHER OR NOT IT IS SPECIFICALLY SHOWN OR SPECIFIED. WHERE THESE DOCUMENTS DO NOT PROVIDE ALL THE INFORMATION NECESSARY FOR THE COMPLETE INSTALLATION OF ANY ITEM, THEN THE MANUFACTURER'S INSTRUCTIONS FOR THE ITEM SHALL BE STRICTLY FOLLOWED.

THE GENERAL CONTRACTOR SHALL, SUPPLY AND INSTALL ALL ITEMS, ARTICLES, MATERIALS, INCLUDE ALL LABOR, EQUIPMENT AND TOOLS NECESSARY TO COMPLETE THIS PROJECT AND ALL SYSTEMS SHOWN. TEST AND VERIFY ALL EQUIPMENT INSTALLED UNDER THIS CONTRACT AND INSTRUCT THE OWNER OR OWNER'S AGENT IN THE OPERATION OF THE EQUIPMENT.

THE G.C. SHALL THOROUGHLY FAMILIARIZE HIM/HERSELF WITH THE DRAWINGS, SPECIFICATIONS, AND CONDITIONS COVERING THIS JOB. THE G.C. SHALL ADVISE THE OWNER AND THE E.S. OF ANY CONFLICT BETWEEN THESE DRAWINGS AND THE FIELD CONDITIONS BEFORE PROCEEDING WITH THE WORK.

THE G.C. SHALL COMPLY WITH ALL STATE AND MUNICIPAL LAWS, ORDINANCES, RULES, AND REGULATIONS OF AUTHORITIES HAVING JURISDICTION. ALL WORK MUST MEET OR EXCEED THE CURRENT BUILDING CODE UNDER THE JURISDICTION FOR WHICH THIS PROJECT IS LOCATED. THE G.C. SHALL FILE ALL NECESSARY APPLICATIONS AND OBTAIN AND PAY FOR ALL PERMITS, AND CERTIFICATES OF APPROVAL PERTAINING TO THE CONSTRUCTION OF THE PREMISES, INCLUDING THE FINAL INSPECTION FOR OCCUPANCY PERMIT, UNLESS OTHERWISE STATED. PERMITS OBTAINED SHALL INCLUDE THE CONNECTIONS TO ALL DENTAL EQUIPMENT AND FIXTURES WHICH ARE TO BE COMPLETED BY THE GENERAL CONTRACTOR. HVAC, SPRINKLER DRAWINGS, CORRESPONDING SPECIFICATIONS OR ANY OTHER DRAWINGS AND SPECIFICATIONS THAT MAY BE REQUIRED FOR LICENSES AND PERMITS ARE TO BE PROVIDED BY OTHERS. HENRY SCHEIN INC. WILL NOT PROVIDE OR PAY FOR THESE SERVICES OR ANY OTHER DRAWINGS AND PERMITS.

ALL MEASUREMENTS SHALL BE CHECKED AT THE JOB SITE. THE GENERAL CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR THE ACCURACY OF FIELD MEASUREMENTS AND CONDITIONS. THEY ARE ALSO RESPONSIBLE FOR THE PROPER MODIFICATIONS TO ANY EXISTING, OR PREVIOUSLY INSTALLED WORK. WRITTEN APPROVAL MUST BE OBTAINED FROM THE E.S. BEFORE ANY CHANGES AND/OR DEVIATIONS FROM DRAWINGS AND SPECIFICATIONS ARE MADE.

THE G.C. SHALL ASSUME <u>FULL</u> RESPONSIBILITY FOR THE EXECUTION OF HIS/HER WORK AND FOR ANY CHANGES AND/OR DEVIATIONS FROM DRAWINGS OR SPECIFICATIONS MADE WITHOUT PRIOR WRITTEN APPROVAL FROM THE OWNER AND/OR THE E.S.. THE COST OF CORRECTIONS RESULTING FROM CHANGES AND/OR DEVIATIONS SHALL BE BORNE BY THE GENERAL CONTRACTOR.

A COMPLETE SET OF UP-TO-DATE DRAWINGS MUST BE KEPT AT THE JOB SITE AT ALL TIMES AND ANY CHANGES MUST BE NOTED THEREON AND INITIALED.

THE CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS THE OWNER AND THE OWNER'S AGENT FROM AND AGAINST ALL CLAIMS FOR DAMAGE TO PERSON AND/OR PROPERTY SUFFERED AS A RESULT OF THE PERFORMANCE OF WORK, WHETHER OR NOT, CAUSED BY NEGLIGENCE, AND PAY ANY EXPENSES (INCLUDING, WITHOUT LIMITATIONS, ATTORNEY'S FEES, AND DISBURSEMENTS) INCURRED IN THE CONNECTION THEREWITH.

OTHER REQUIREMENTS

THE G.C. SHALL PARTICIPATE AT JOB COORDINATION MEETINGS WITH THE HENRY SCHEIN REPRESENTATIVE AND ENSURE ATTENDANCE OF THE APPROPRIATE TRADES.

ALL TRADES SHALL DO THEIR OWN CUTTING. THE GENERAL CONTRACTOR SHALL DO ALL PATCHING TO CONFORM TO MATERIAL, TEXTURE, AND SURFACE ALIGNMENT WITH THE ADJOINING SURFACE AND FINAL TOUCH UP OF ALL FINISHED SURFACES.

THE GENERAL CONTRACTOR SHALL ENSURE THE PROTECTION OF ALL EQUIPMENT FURNISHED UNDER HIS/HER CONTRACT AND BY OTHERS.

THE G.C. SHALL REVIEW ALL CUSTOM CABINETRY, SUCH AT THE RECEPTION DESK, LABORATORY, AND STERILIZATION, WITH THE E.S. FOR ANY DENTAL EQUIPMENT INCOPRORATION.

THE G.C. SHALL REMOVE ANY RUBBISH FROM THE CONSTRUCTION SITE AND ENSURE THAT ALL PUBLIC SPACES ARE FREE OF CONSTRUCTION MATERIALS AND DEBRIS THROUGHOUT THE DURATION OF THE CONTRACT. THE G.C. IS RESPONSIBLE FOR THE TOTAL CLEAN UP OF THE JOB SITE UPON COMPLETION OF THEIR WORK.

THE GENERAL CONTRACTOR SHALL ISSUE A WRITTEN ONE-YEAR WARRANTY CERTIFICATE ON ALL WORKMANSHIP AND MATERIALS FROM THE DATE OF OCCUPANCY, UNLESS NOTED OTHERWISE IN THE CONSTRUCTION AGREEMENT BETWEEN THE OWNER AND THE G.C.. THIS CERTIFICATE SHALL BIND THE GENERAL CONTRACTOR TO PROMPTLY CORRECT, REPAIR, OR REPLACE, ANY DEFECTIVE EQUIPMENT OR WORKMANSHIP THAT WAS THE RESPONSIBILITY OF THE G.C., WITHOUT COST TO THE OWNER.

SEPARATE CONTRACTS BY OWNER

THE OWNER RESERVES THE RIGHT TO PERFORM WORK RELATED TO THE PROJECT WITH HIS/HER OWN FORCES, AND TO AWARD SEPARATE CONTRACTS IN CONNECTION WITH OTHER PORTIONS OF THE PROJECT OR ON OTHER WORK ON THE SITE UNDER THESE OR SIMILAR CONDITIONS OF CONTRACT. IF THE GENERAL CONTRACTOR CLAIMS THAT DELAY OR ADDITIONAL COST IS INVOLVED BECAUSE OF SUCH ACTION BY THE OWNER, THE G.C. MUST ENSURE THAT THEIR CLAIM WAS ORIGINALLY PART OF THEIR CONTRACT AGREEMENT.

THE G.C. SHALL AFFORD THE OWNER AND SEPARATE CONTRACTORS REASONABLE OPPORTUNITY FOR THE INTRODUCTION AND STORAGE OF THEIR MATERIALS AND EQUIPMENT AND THE EXECUTION OF THEIR WORK. THE G.C. SHALL CONNECT AND COORDINATE THEIR WORK WITH OTHERS AS REQUIRED BY THE CONTRACT DOCUMENTS. ANY COSTS CAUSED BY DEFECTIVE AND/OR ILL-TIME WORK SHALL BE BORNE BY THE PARTY RESPONSIBLE.

SEE OWNER OR OWNER'S AGENT FOR NON-DENTAL ITEMS AND AREAS NOT DETAILED IN THESE DRAWINGS (SUCH AS RECEPTION, BUSINESS AREA, OFFICES, STAFF LOUNGE, STORAGE ROOMS, OFFICE-WIDE SOUND SYSTEMS, CONTROLS, ETC.).

GENERAL NOTES

- 1. THESE DRAWINGS AND SPECIFICATIONS HAVE BEEN PRODUCED FOR THIS SPECIFIC PROJECT ONLY, AND SHALL REMAIN THE EXCLUSIVE PROPERTY OF HENRY SCHEIN INC. THESE DRAWINGS AND SPECIFICATIONS MAY NOT BE REPRODUCED OR USED FOR ANY OTHER PURPOSE WITHOUT EXPRESSED WRITTEN CONSENT AND FULL PAYMENT OF ANY ASSOCIATED FEES TO HENRY SCHEIN, INC.
- 2. ALL COMMUNICATIONS AND COORDINATION WITH TRADES SHALL BE THE RESPONSIBILITY OF THE G.C. UNLESS STATED OTHERWISE IN THE CONTRACT AGREEMENT.
- WITH ALL SPECIFICATIONS BEFORE THE WORK WILL START. A SIGNED COPY OF THE PLANS ARE TO BE RETURNED TO THE OWNER AND HENRY SCHEIN DENTAL.

THE G.C. MUST SIGN THIS SHEET STIPULATING THAT HE/SHE UNDERSTANDS AND WILL COMPLY

- 4. IT IS THE RESPONSIBILITY OF A SUBCONTRACTOR TO READ AND UNDERSTAND ALL NOTES AND ILLUSTRATIONS PERTAINING TO THEIR TRADE AND HOW THEIR WORK AFFECTS OTHER TRADES.
- THE SUPPLY AND INSTALL OF THE CABINETS AND COUNTERTOPS, OTHER THAN THOSE SPECIFIED AND/OR CONTRACTED BY HENRY SCHEIN, INC., IS THE RESPONSIBILITY OF THE G.C..
- 6. THE OWNER SHALL MAKE ARRANGEMENTS FOR INSTALLATION OF NON-DENTAL SYSTEMS UNDER A SEPARATE CONTRACT BEFORE WALLS ARE ENCLOSED.
- 7. ROUGH-IN AND FINISH WORK FOR DENTAL EQUIPMENT IS TO BE ACCORDING TO TEMPLATES FURNISHED BY THE MANUFACTURERS OF EQUIPMENT BEING INSTALLED. THE E.S. WILL POSITION THE TEMPLATES IN THEIR PROPER LOCATIONS, AT WHICH TIME ALL SPECIFICATIONS ON THE PLANS WILL BE EXPLAINED TO THE GENERAL CONTRACTOR OR SUBCONTRACTOR(S). ALL SPECIFIED SIZES OF PIPES, TUBING, FITTINGS, ETC., AS WELL AS PROPER HEIGHTS MARKED, MUST BE STRICTLY FOLLOWED. ANY DEVIATIONS ON SIZES OR HEIGHTS OF PIPES, TUBING, AND/OR FITTINGS MUST BE CORRECTED BEFORE THE EQUIPMENT CAN BE INSTALLED, AND ANY SUCH EXTRA EXPENSE WILL BE THE RESPONSIBILITY OF G.C. AND/OR THE SUBTRADE.
- 8. THE G.C. SHALL SEAL ANY/ALL FLOOR AND FIRE PENETRATIONS MADE BY HENRY SCHEIN INSTALLERS AT THE FINISHING STAGES WITH THE APPROPRIATE MATERIAL.
- THE G.C. SHALL PROVIDE DOOR THRESHOLDS & DOOR SEALS NECESSARY FOR DENTAL EQUIPMENT SOUND ATTENUATION.
- 10. THE GENERAL CONTRACTOR SHALL SUPPLY FASTENERS, ANCHORS, ACCESSORIES AND ADHESIVES REQUIRED FOR FABRICATION AND ERECTION OF THE WORK. KEEP EXPOSED FASTENERS TO A MINIMUM, NEATLY LAID OUT AND EVENLY SPACED. FLOOR FINISHES ARE TO BE CONTINUOUS UNDERNEATH MILLWORK AND EQUIPMENT. TRANSITIONS AND VARIATIONS BETWEEN FLOOR FINISHES TO BE SMOOTH AND LEVEL TO REDUCE INJURY WITH USE. PROVIDE 3/4" (19MM) PLYWOOD SUPPORT BETWEEN STUDS FOR ALL WALLS TO SUPPORT UPPER CABINETRY AND SHELVING, INCLUDING RECEPTION AND ALL TREATMENT ROOMS. WOOD SUPPORTS ABOVE THE CEILING MAY NEED TO BE FIRE RATED, FOLLOW LOCAL CODES.
- 11. PRIOR TO POURING THE CONCRETE FLOOR AND ENCLOSING ALL WALLS, THE GENERAL CONTRACTOR SHALL CONTACT THE E.S. AND INSTALLATION TECHNICIAN FOR FINAL INSPECTION OF PLUMBING, ELECTRICAL AND WOOD SUPPORTS.
- 12. ALL LABOR AND MATERIAL NECESSARY FOR CHANGES IN EXISTING PLUMBING, CARPENTRY, AND ELECTRICAL WORK MUST BE DONE AND SUPPLIED BY THE GENERAL CONTRACTOR AND IS NOT INCLUDED IN THE COST OF EQUIPMENT.
- 13. ALL PLUMBING AND ELECTRICAL LINES ARE TO BE CONCEALED UNLESS OTHERWISE SPECIFIED.

14. THE ELECTRICAL PANEL SHALL BE CONVENIENT AND ACCESSIBLE, MEET ELECTRICAL CODE REQUIREMENTS, AND BE LOCATED IN THE SUITE. LOCATION TO BE APPROVED BY THE OWNER AND LANDLORD. THE G.C. SHALL REVIEW THE LOCATION WITH THE E.S., AS WELL AS THE LOCATIONS OF THE TELEPHONE SYSTEM AND SERVER.

- 15. HENRY SCHEIN, INC. SHALL NOT BE HELD RESPONSIBLE FOR SUPPLYING UL/ULC OR CSA APPROVAL CERTIFICATES. THE G.C. MAY CONTACT THE MANUFACTURER IF REQUIRED.
- 16. THE ELECTRICAL SUBCONTRACTOR SHALL PROVIDE SPECIFIED TERMINATION BOXES, RECEPTACLES AND ANY HARDWIRE CIRCUITS LOCATED IN CUSTOM DENTAL CABINETRY. THEY ARE ALSO RESPONSIBLE FOR SUPPLYING GFCI RECEPTACLES WHERE REQUIRED BY CODE.
- 17. THE G.C. IS TO MAKE ARRANGEMENTS FOR TEMPORARY POWER AND/OR DISCONNECTION OF ELECTRICAL AND MECHANICAL SYSTEMS IF AND WHEN REQUIRED.
- 18. IF MULTIMEDIA SYSTEMS, SUCH AS ENTERTAINMENT TVS, MONITORS, OR NETWORK COMPUTER SYSTEMS, OR SECURITY SYSTEMS ARE SUPPLIED AND INSTALLED BY HENRY SCHEIN, INC., THEN THESE SYSTEMS WILL BE THEIR RESPONSIBILITY. WHEN THESE SYSTEMS, OR OTHER SYSTEMS, ARE NOT PROVIDED BY HENRY SCHEIN, INC., HENRY SCHEIN, INC. SHALL NOT BE HELD RESPONSIBLE FOR THEIR INSTALLATION OR COMMISSIONING.
- 19. HENRY SCHEIN, INC. WILL ASSEMBLE EQUIPMENT AND, WHERE SPECIFIED WITHIN THESE DRAWINGS, CONNECT TO UTILITIES PROVIDED, SUCH CONNECTIONS BY OTHER TRADES ARE SUPPLIED CORRECTLY AND COMPLETELY (WITH PROPER SHUT-OFF VALVES/FITTINGS/OUTLETS/TERMINATIONS). VERIFY ALL CONTRACTOR RESPONSIBILITIES FOR FINAL CONNECTIONS WITH THESE DRAWINGS AND HENRY SCHEIN DENTAL E.S.. DIRECT ANY QUESTIONS REGARDING CONTRACTOR RESPONSIBILITIES TO HENRY SCHEIN DENTAL E.S. PRIOR TO CONSTRUCTION.
- 20. WHEN APPLICABLE, THE G.C. SHALL BE RESPONSIBLE FOR PROCURING A PLUMBING SUB-CONTRACTOR THAT IS CERTIFIED TO INSTALL NITROUS OXIDE~OXYGEN CONSCIOUS SEDATION SYSTEMS AS DETAILED IN THESE PLANS. HENRY SCHEIN DENTAL IS A NITROUS OXIDE SYSTEM END USER COMPONENT SUPPLIER AND DOES NOT MANUFACTURE OR DESIGN ANY OF THESE SYSTEMS. ANY SYSTEM DESIGN SHOWN ON THESE PLANS BY HENRY SCHEIN DENTAL IS TO BE USED AS AN ILLUSTRATION ONLY FOR THE PURPOSE OF LOCATING END USER OUTLET STATIONS, CYLINDER ROOM MANIFOLD, AND ALARM PANEL. THE FINAL TRUNK SYSTEM INSTALLATION SHALL ADHERE TO THE MECHANICAL ENGINEERING DRAWINGS PREPARED BY A THIRD PARTY.
- 21. PLUMBING SUBCONTRACTOR SHALL PROVIDE GAS CERTIFICATION CREDENTIALS IN ACCORDANCE WITH ANY REQUESTS BY THE OWNER, GENERAL CONTRACTOR, BUILDING DEPARTMENT, OR HENRY SCHEIN DENTAL PRIOR TO COMMENCING WORK IF ANY TYPE OF NITROUS~OXIDE SYSTEM IS BEING INCORPORATED INTO THE PROJECT.

PRIOR TO POURING THE CONCRETE FLOOR AND ENCLOSING ALL WALLS AND CEILINGS, THE GENERAL CONTRACTOR SHALL CONTACT THE E.S. AND INSTALLATION TECHNICIAN FOR FINAL INSPECTION OF PLUMBING, ELECTRICAL AND WOOD SUPPORTS.

EQUIPMENT SPECIALIST (E.S.):	TELEPHONE:
WILLARD WALLACE	305-418-4101

TELEPHONE:

INSTALLATION TECHNICIAN:

OULLI	IIILL
SCV	COVER SHEET
SA.0	DENTAL EQUIPMENT FLOOR PLAN
SA.1	DENTAL DIMENSION & REINFORCEMENT PLAN
SP.1	DENTAL PLUMBING SPECIFICATIONS
SP.2	DENTAL VACUUM LINE DIAGRAM
SE.1	DENTAL ELECTRICAL SPECIFICATIONS
SED.1	DENTAL EQUIPMENT DETAILS
SED.2	DENTAL EQUIPMENT DETAILS
DC.1	MANUFACTURER'S DENTAL CABINET DRAWINGS
DC.2	MANUFACTURER'S DENTAL CABINET DRAWINGS

SHEET INDEX

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PROJECT NUMBER: 22-1175
PROJECT START DATE:

MANGROVE BAY CLINIC MINISTRY OF HEALTH, GOV. OF BERMUDA

HENRY SCHEIN REP

WILLARD WALLACE

INTERNATIONAL

REGION:

PHONE #:

305-418-4101

05/06/2022 FINALS START DATE:

DRAWN BY: ARCH

CHECKED BY:

REVISIONS:

02/14/2023 GC
02/20/2023 GC
03/14/2023 GC
03/30/2023 GC
04/12/2023 GC
05/04/2023 GC

SCALE: SHT. SIZE: N/A 24 x 36

COVER SHEET



PROJECT START DATE: 05/06/2022

FINALS START DATE: 07/25/2022 DRAWN BY:

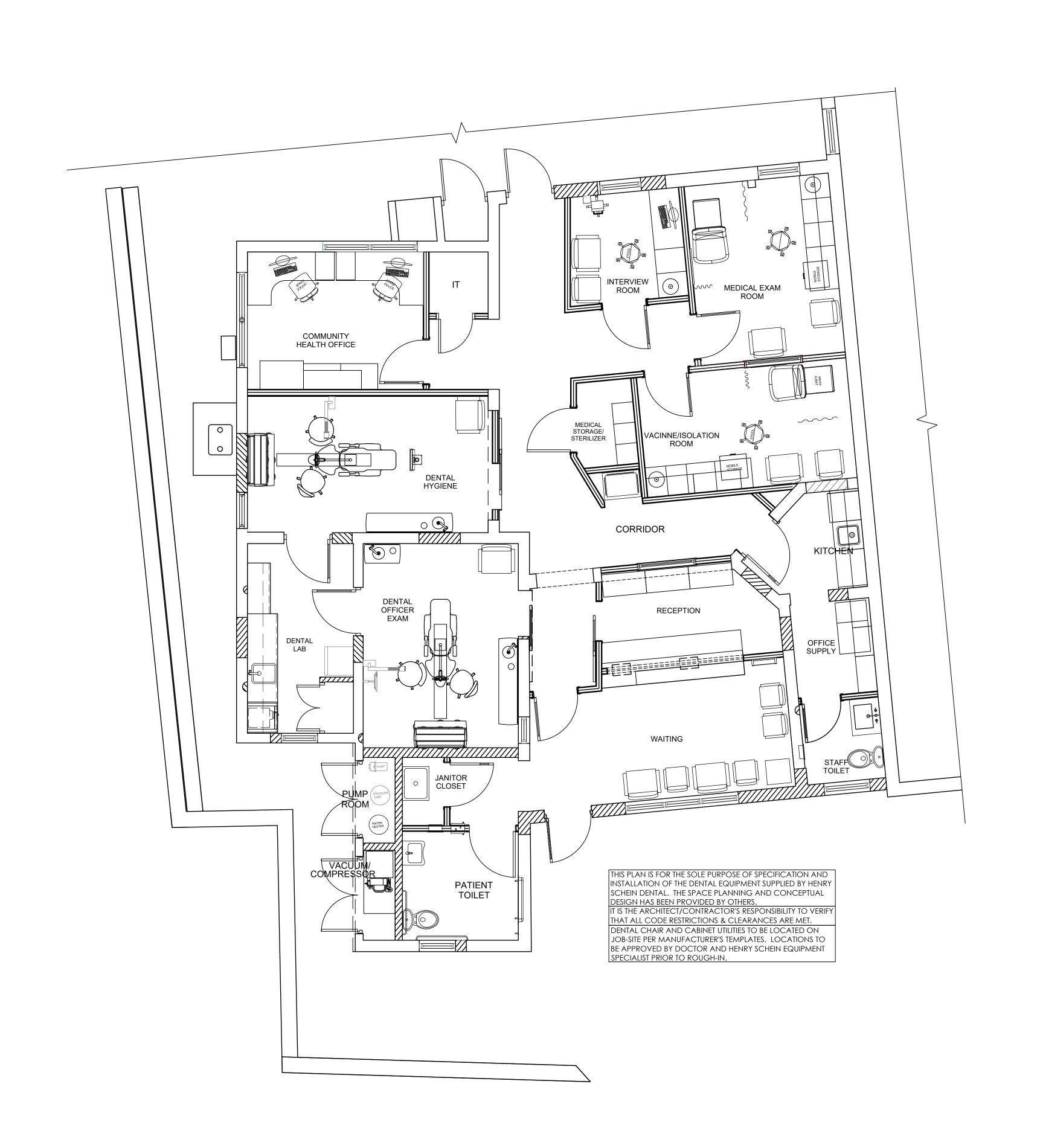
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INT.SQ.FT.= PER ARCH SCALE: SHT. SIZE: 1/4"=1'-0" 24 x 36

FLOOR PLAN





REINFORCEMENT SPECIFICATIONS EQUIPMENT BLOCKING. ALL REQUIREMENTS TO BE VERIFIED BY MANUFACTURER'S SPEC SHEETS PROVIDED BY HENRY SCHEIN DENTAL EQUIPMENT SPECIALIST. MANUFACTURER'S SPECS SUPERSEDE ANY AND ALL INFORMATION CONTAINED DESCRIPTION DENTAL TRACK LIGHT - BLOCKING AND ELECTRICAL BY CONTRACTOR(S). LIGHT SUPPLIED AND INSTALLED BY HENRY SCHEIN DENTAL WALL MOUNTED INTRAORAL X-RAY HEAD, ARM, AND WALL BRACKET - SUPPLIED AND INSTALLED BY HENRY SCHEIN DENTAL. BLOCKING & ELECTRICAL BY CONTRACTOR(S). CEILING MOUNTED MONITOR - BLOCKING AND ELECTRICAL BY CONTRACTOR(S). EXACT LOCATION PER OWNER AND HENRY SCHEIN EQUIPMENT SPECIALIST. WALL MOUNTED MONITOR - BLOCKING AND ELECTRICAL BY CONTRACTOR(S). EXACT LOCATION PER OWNER AND HENRY SCHEIN EQUIPMENT SPECIALIST.

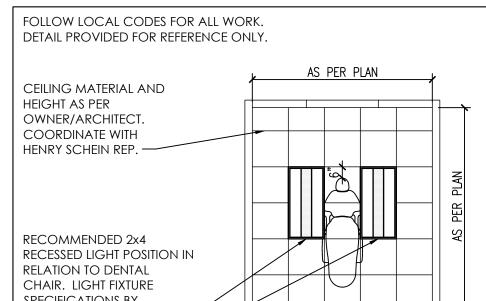
CONSTRUCTION NOTES

1. THIS SPECIFICATION SHEET IS INTENDED AS A GUIDE FOR TRADESMEN. THE FLOOR PLANS ENCLOSED HEREIN ARE SUGGESTIONS FOR THE PLACEMENT OF DENTAL EQUIPMENT. THEY ARE NOT INTENDED FOR

2. VERIFY ALL DIMENSIONS WITH HENRY SCHEIN DENTAL REP. ON JOBSITE. ON SITE MODIFICATIONS MAY NEED TO BE DONE BY CONTRACTOR, BUT SHOULD BE VERIFIED BY ALL PARTIES INVOLVED.

3. 5/8" GYPSUM WALLBOARD IS RECOMMENDED THROUGHOUT THE OFFICE TO PROVIDE SOUND ATTENUATION & ADDITIONAL PROTECTION AGAINST X-RAY SCATTER RADIATION.

MOUNTED EQUIPMENT. SEE "REINFORCEMENT SPECIFICATION SCHEDULE" FOR MORE INFORMATION.



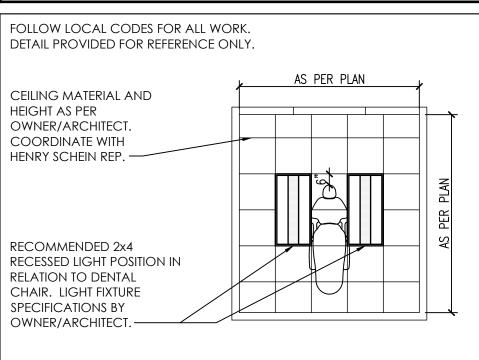
TYPICAL CEILING LAYOUT (TREATMENT ROOMS

WALL LEGEND

NEW REINFORCEMENT PLACED FOR WALL-

NEW REINFORCEMENT PLACED FOR CEILING-MOUNTED EQUIPMENT. SEE "REINFORCEMENT SPECIFICATION SCHEDULE" FOR MORE INFORMATION.

SEE SHEETS SED.1 & SED.2 FOR DENTAL EQUIPMENT DETAILS



PHONE #: 305-418-4101

REGION:

INTERNATIONAL

HENRY SCHEIN REP:

WILLARD WALLACE

CHEII STUDIO

GOV. OF BERMUD

MANGROVE B MINISTRY OF HEALTH,

PROJECT NUMBER: 22-1175

PROJECT START DATE: 05/06/2022 FINALS START DATE:

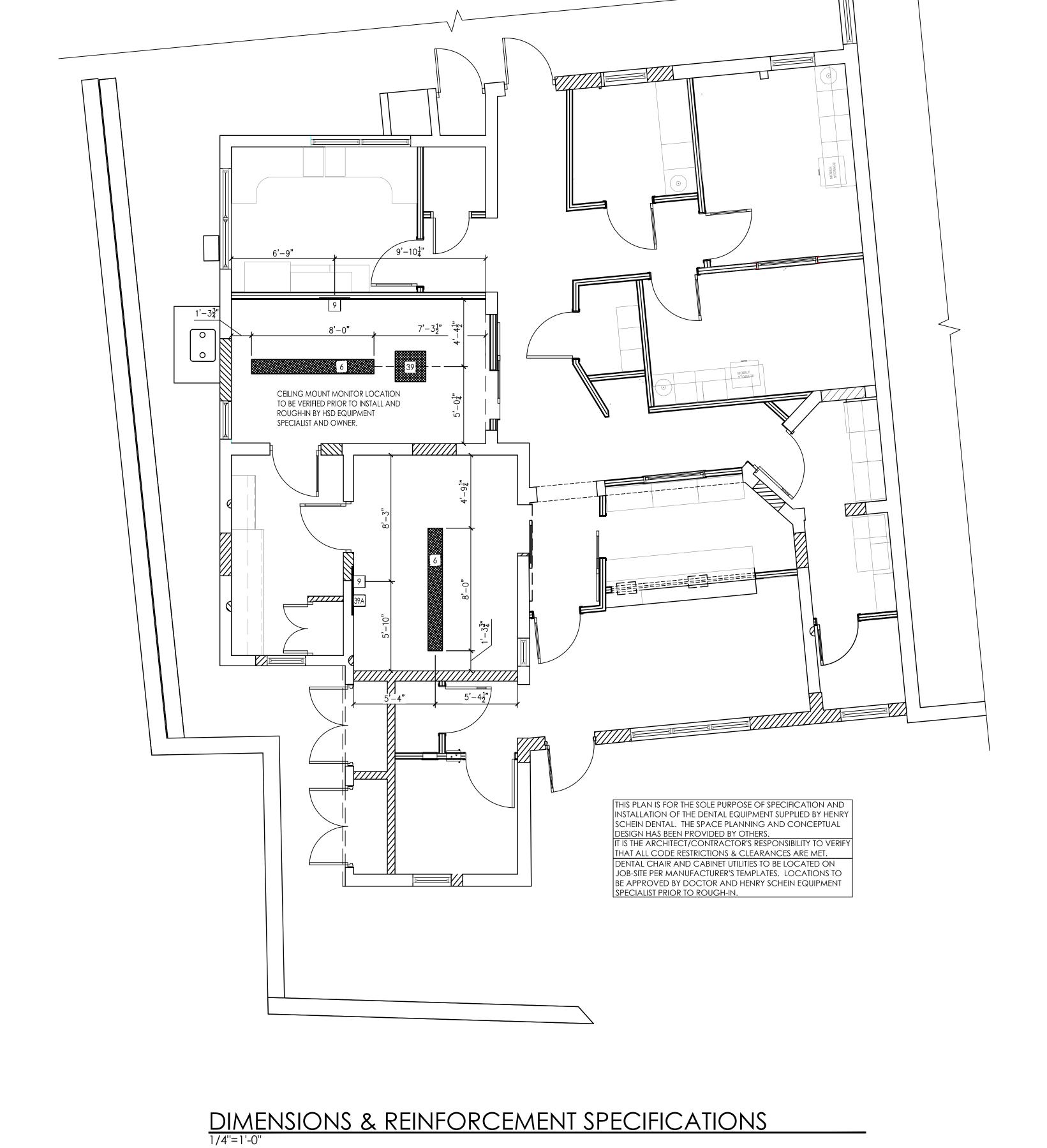
07/25/2022

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02/14/2023 03/14/2023 03/30/2023 04/12/2023

INT.SQ.FT.= PER ARCH SCALE: SHT. SIZE: 1/4"=1'-0" 24 x 36 REINFORCEMENT

PLAN



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PLUMBING NOTES

1. THIS SPECIFICATION SHEET IS INTENDED AS A GUIDE FOR TRADESMEN. THE FLOOR PLANS ENCLOSED HEREIN ARE SUGGESTIONS FOR THE PLACEMENT OF DENTAL EQUIPMENT. THEY ARE NOT INTENDED FOR CONSTRUCTION.

2. EXACT EQUIPMENT LOCATIONS MUST BE JOB SITE VERIFIED BY THE HENRY SCHEIN DENTAL EQUIPMENT SPECIALIST.

3. FOLLOW MANUFACTURER'S TEMPLATES FOR EXACT REQUIREMENTS FOR ANY EQUIPMENT SUPPLIED BY HENRY SCHEIN DENTAL. CONSULT WITH HENRY SCHEIN DENTAL REP FOR ADDITIONAL INFORMATION.

4. ANY REFERENCE TO "AIR", "COMPRESSED AIR" OR "AIR COMPRESSOR" REFER TO THE UNIT AND ALL COMPONENTS WHICH ARE CONSIDERED A CATEGORY 3 DENTAL AIR SUPPLY SYSTEM. REFER THE LOCALLY ACCEPTED VERSION OF NFPA 99 FOR CODE REQUIREMENTS. THIS SHOULD NOT BE CONFUSED WITH "AIR" AS IT IS DEFINED IN CATEGORY 1 OR 2 MEDICAL FACILITIES.

5. WATER PRESSURE MUST NOT EXCEED 50 PS1 AT ALL DENTAL UNITS.

6. BACK-FLOW PREVENTION IS REQUIRED ON ALL LINES AS PER LOCAL

7. REFER TO ARCHITECT'S DRAWINGS FOR PLUMBING REQUIREMENTS IN ALL AREAS NOT INDICATED ON THIS PLAN.

ALL DIMENSIONS NOTED ON PLAN ARE TO THE CENTERLINE OF PLUMBING OR UTILITY CENTER (UNLESS SHOWN OTHERWISE)

SEE SHEETS SED.1 & SED.2 FOR DENTAL EQUIPMENT DETAILS

PLUMBING SPECIFICATIONS PLEASE NOTE: A LICENSED PLUMBING CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL REQUIRED UTILITIES. ALL REQUIREMENTS TO BE VERIFIED BY MANUFACTURER'S SPEC SHEETS PROVIDED BY HENRY SCHEIN DENTAL EQUIPMENT SPECIALIST. MANUFACTURER'S SPECS SUPERSEDE ANY AND ALL INFORMATION CONTAINED HEREIN. DESCRIPTION 2 3A UTILITY CENTER - SELF-CONTAINED WATER. COMPRESSED AIR LINE AND VALVE - 1/2" AIR LINE FROM COMPRESSOR (25) BY PLUMBER. TERMINATE WITH A 3/8" ANGLE VALVE. STERI-CENTER UTILITIES - CONTRACTOR(S) TO PROVIDE REQ'D UTILITIES PER MFR'S SPECS. STERI-CENTER SUPPLIED AND INSTALLED BY HENRY SCHEIN DENTAL. EXACT LOCATIONS TO BE CONFIRMED ON-SITE BY HENRY SCHEIN EQUIPMENT SPECIALIST. FINAL CONNECTIONS OF CABINET UTILITIES BY CONTRACTOR. WASHER DISINFECTOR - UTILITIES BY CONTRACTOR(S). SUPPLIED AND INSTALLED BY HENRY HANDPIECE MAINTENANCE SYSTEM - CONTRACTOR(S) TO PROVIDE REQ'D UTILITIES. 1/2" AIR 15B LINE WITH 1/4" ANGLE VALVE (ABOVE COUNTERTOP). SYSTEM SUPPLIED AND INSTALLED BY DENTAL AIR COMPRESSOR - SUPPLIED BY HENRY SCHEIN DENTAL, INSTALLED BY CONTRACTOR(S). FOR DENTAL AIR DRIVEN DEVICES. PLUMBER TO PROVIDE 1/2" I.D. COPPER 25 TYPE K OR L SUPPLY LINES TO LOCATIONS THAT REQUIRE AIR. BUCK BOOST TRANSFORMER SUPPLIED AND INSTALLED BY ELECTRICIAN (IF REQ'D). FINAL CONNECTIONS BY VACUUM PUMP (DRY) - SUPPLIED BY HENRY SCHEIN DENTAL, INSTALLED BY CONTRACTOR(S). VERIFY TRUNK & BRANCH LINE SIZES WITH MFR RECOMMENDATIONS. USE SCH 40 PVC WHERE PERMITTED BY CODE. PLUMBER TO EXHAUST PUMP TO OUTSIDE. BUCK BOOST TRANSFORMER SUPPLIED AND INSTALLED BY ELECTRICIAN (IF REQ'D). DRAIN BY PLUMBER. FINAL CONNECTIONS BY CONTRACTOR(S). PLUMBER TO PROVIDE WATER LINE WITH HOSE I UNIT. SEE DETAIL. AMALGAM SEPARATOR - SUPPLIED BY HENRY SCHEIN DENTAL, INSTALLED BY PLUMBER. VERIFY 29A LOCATION WITH HENRY SCHEIN DENTAL EQUIPMENT SPECIALIST. CONNECT TO VACUUM LINE

COMING IN FROM TREATMENT ROOMS.

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INIC BERMUD/ 19. 3AY 6 ROVE BATH, (MANGE MINISTRY OF

HENRY SCHEIN REP:

WILLARD WALLACE REGION:

PHONE #:

INTERNATIONAL

305-418-4101

PROJECT NUMBER: 22-1175

PROJECT START DATE: 05/06/2022

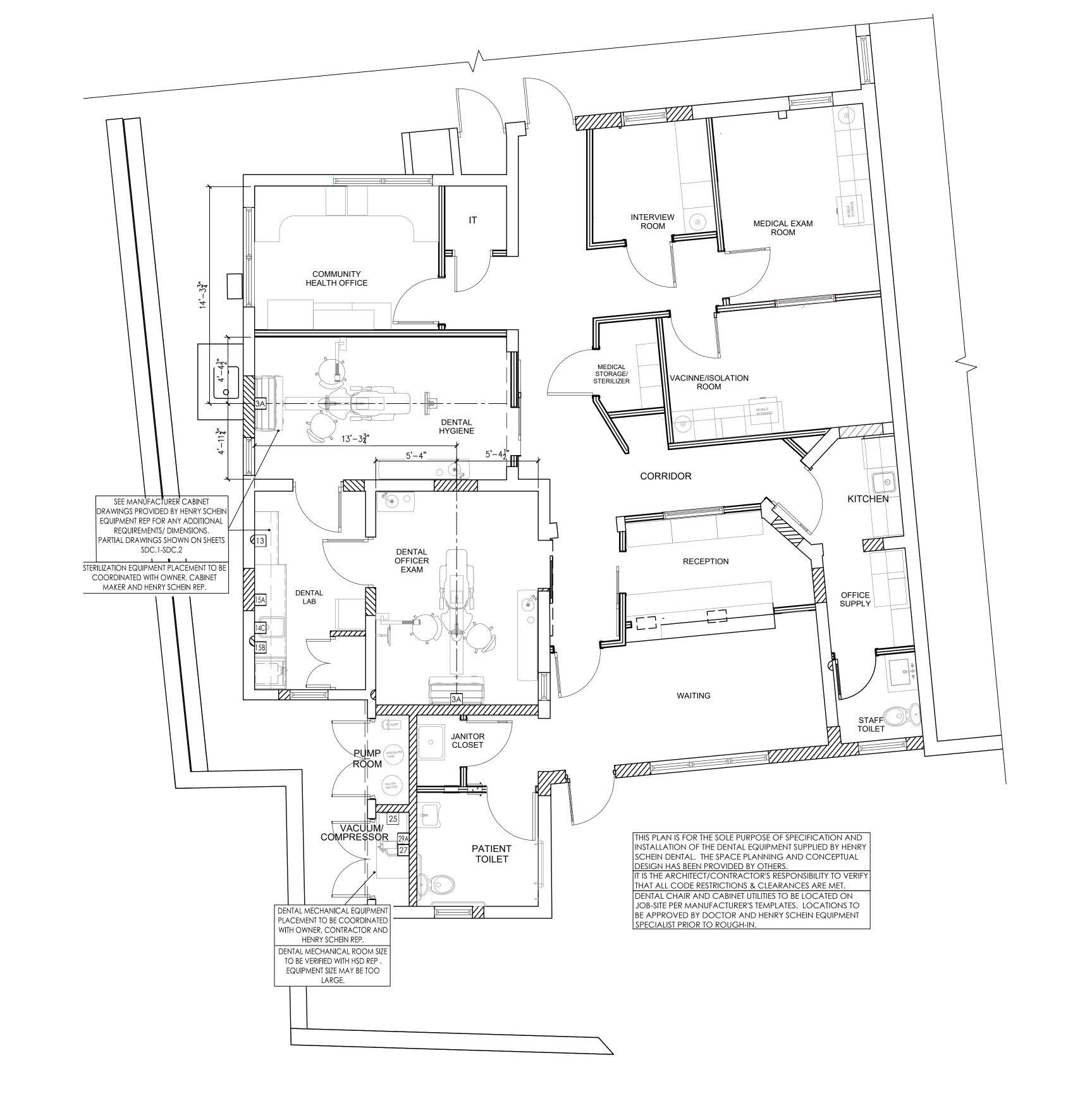
FINALS START DATE: 07/25/2022

ARCH DRAWN BY: FINALS BY: CHECKED BY:

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DENTAL PLUMBING PLAN



VACUUM NOTES

THE VACUUM PIPING LAYOUT HAS A LARGE EFFECT ON THE EFFICIENCY AND RELIABILITY OF THE DENTAL VACUUM SYSTEM. REFER TO MANUFACTURER'S PRE-INSTALLATION GUIDE PROVIDED BY HENRY SCHEIN EQUIPMENT SPECIALIST (FOR SPECIFIC SIZING OF STUB-UP, TRUNK, AND BRANCH LINES.

IT IS HIGHLY RECOMMENDED THAT VACUUM LINES RUN UNDERNEATH DENTAL EQUIPMENT BY MEANS OF TRENCHING/ CORING (CONCRETE SLAB) OR IN SUB FLOOR (BASEMENT/ CRAWL SPACE). ALL LINES ARE TO BE DESIGNED WITH PVC PIPING UNLESS DICTATED BY LOCAL CODES TO USE COPPER OR CAST IRON.

TO ENSURE OPTIMUM VACUUM PERFORMANCE, INSTALL MAIN LINE DIRECTLY BELOW THE DENTAL CHAIR, CABINET OR WALL JUNCTION BOX TO REDUCE OR ELIMINATE BRANCH LINE RUNS WHEREVER POSSIBLE.

TERMINATE VACUUM TRUNK LINE IN MECHANICAL ROOM. PLUMBING CONTRACTOR TO PROVIDE FPT ADAPTOR ON END OF STUB-OUT FROM FLOOR OR WALL. SIZE OF ADAPTOR TO BE DETERMINED BY TRUNK AND PUMP INTAKE PIPE SIZES. SEE DETAILS THIS SET & MANUFACTURER TEMPLATES PROVIDED BY HENRY SCHEIN EQUIPMENT REP. IN THE CASE OF DUAL TRUNK LINE SYSTEM, PROVIDE ENOUGH SPACE BETWEEN

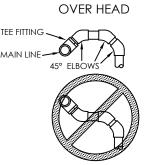
2. TRUNK LINE(S) VACUUM TRUNK LINES(S) TO BE SUPPORTED EVERY 6'-0" TO PREVENT SAG

STUB-UPS TO INSTALL TEES ON BOTH LINES.

AND SLOPED A MINIMUM OF 1/4" PER 10'-0" TOWARD THE VACUUM

BRANCH LINES ARE TO HAVE "SWEEPING" 90 DEGREE TURNS TO AVOID VACUUM LOSS. A "WYE" FITTING SHOULD BE USED TO JOIN BRANCH LINES TO THE TRUNK LINE.

BRANCH LINE CONFIGURATION



DO NOT PIPE TRUNK LINE IN A SERIES MANNER LOOPING FROM J-BOX TO J-BOX. A CONTINUOUS TRUNK LINE MUST BE MAINTAINED FROM THE PUMP TO THE FURTHEST J-BOX USING BRANCH LINES OFF OF THE TRUNK LINE TO PICK UP EACH VACUUM OUTLET. TRUNK LINE MAY FOLLOW DRAIN LINE TRENCHES WITHIN REASON. USE ONLY 45 DEGREE EL'S. DO NOT USE ANY 90 DEGREE EL'S. ALL SUB FLOOR SCH 40 PVC CONNECTIONS ARE TO BE PLUMBED WITH 45 DEGREE EL'S USING DETAIL A FOR TEEING BRANCH LINE CONNECTIONS INTO TRUNK LINE.

<u>SPECIAL NOTE:</u>
IF VACUUM LINES ENCROACH ON EITHER A WALL OR COLUMN FOOTING, USE 45 DEGREE ELBOWS TO PIPE AROUND FOOTING SO PIPE REACHES PROPER LOCATION.

PLUMBING NOTES

1. THIS SPECIFICATION SHEET IS INTENDED AS A GUIDE FOR TRADESMEN. THE FLOOR PLANS ENCLOSED HEREIN ARE SUGGESTIONS FOR THE PLACEMENT OF DENTAL EQUIPMENT. THEY ARE NOT INTENDED FOR CONSTRUCTION.

2. EXACT EQUIPMENT LOCATIONS MUST BE JOB SITE VERIFIED BY THE HENRY SCHEIN DENTAL EQUIPMENT SPECIALIST.

3. FOLLOW MANUFACTURER'S TEMPLATES FOR EXACT REQUIREMENTS FOR ANY EQUIPMENT SUPPLIED BY HENRY SCHEIN DENTAL. CONSULT WITH HENRY SCHEIN DENTAL REP FOR ADDITIONAL INFORMATION.

4. BACK-FLOW PREVENTION IS REQUIRED ON ALL LINES AS PER LOCAL CODE.

SEE SHEETS SED.1 & SED.2 FOR DENTAL EQUIPMENT DETAILS

VACUUM PLAN DISCLAIMER

THIS VACUUM DIAGRAM HAS BEEN PROVIDED BY THE VACUUM MANUFACTURER AND REPRESENTS THEIR RECOMMENDATIONS. ALL QUESTIONS REGARDING THIS DIAGRAM SHOULD BE DIRECTED TO THE MANUFACTURER AND HENRY SCHEIN EQUIPMENT SPECIALIST. HENRY SCHEIN ASSUMES NO RESPONSIBILITY FOR THE INFORMATION PROVIDED.

ESIGN STUDIO

ME, WEST ALLIS, WI 53227

HENRY INTEGRATED DES

MANGROVE BAY CLINIC MINISTRY OF HEALTH, GOV. OF BERMUDA

HENRY SCHEIN REP:

WILLARD WALLACE REGION: INTERNATIONAL

PHONE #: 305-418-4101

PROJECT NUMBER: 22-1175

PROJECT START DATE: 05/06/2022

FINALS START DATE: 07/25/2022 ARCH DRAWN BY: FINALS BY:

REVISIONS: 02/14/2023 GC 03/14/2023 GC 03/30/2023 GC 04/12/2023 GC 05/04/2023 GC

CHECKED BY:

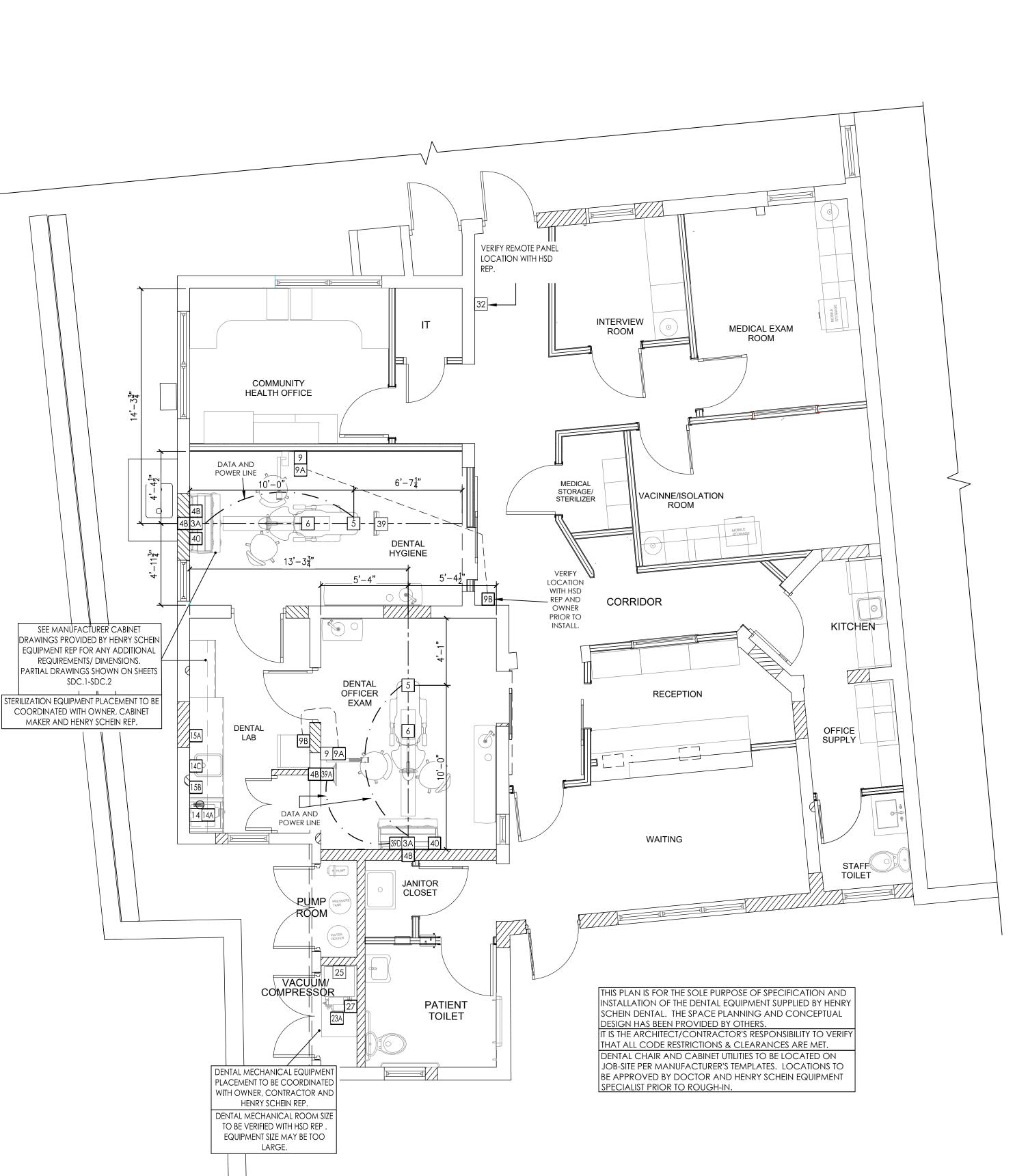
INT.SQ.FT.= PER ARCH

SHT. SIZE: 24 x 36 DENTAL VACUUM



PROPOSED VACUUM LINE PLAN

© 2022 by HENRY SCHEIN, INC.



PROPOSED ELECTRICAL PLAN

ELECTRICAL SPECIFICATIONS						ELI		
QUANTITY	SPEC. NUMBER	PLEASE NOTE: A LICENSED ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL REQUIRED UTILITIES. ALL REQUIREMENTS TO BE VERIFIED BY MANUFACTURER'S SPEC SHEETS PROVIDED BY HENRY SCHEIN DENTAL EQUIPMENT SPECIALIST. MANUFACTURER'S SPECS SUPERSEDE ANY AND ALL INFORMATION CONTAINED HEREIN.		DEDICATED CIRCUIT	LOW VOLTAGE CONTROL	A DROP	AIL	1. THIS SPECIFICA THE FLOOR PLAN: PLACEMENT OF D CONSTRUCTION. 2. EXACT EQUIPM HENRY SCHEIN DE
ON/	SPE	DESCRIPTION	POWER	DED		DATA	DETAIL	3. FOLLOW MAN FOR ANY EQUIPM
2	3A	UTILITY CENTER - SELF-CONTAINED WATER.	115V		Ш		3A	WITH HENRY SCH
4	4B	2" CONDUIT - VERTICAL PIPE CHASE WITH PULL-STRING SUPPLIED AND INSTALLED BY ELECTRICIAN. RUN FROM ABOVE CEILING DOWN TO TWO-GANG MUD RING OR BOX AT SILL PLATE.					4B	4. GFCI PROTECT RECEPTACLES, DI REQUIRED BY LOG
2	5	DENTAL CHAIR RECEPTACLE - SUPPLIED & INSTALLED BY ELECTRICIAN.	115V				5	CONTRACTOR.
2	6	DENTAL TRACK LIGHT - BLOCKING AND ELECTRICAL BY CONTRACTOR(S). LIGHT SUPPLIED AND INSTALLED BY HENRY SCHEIN DENTAL WALL MOUNTED INTRAORAL X-RAY HEAD, ARM, AND WALL BRACKET - SUPPLIED AND	115V	_			6	5. Additional C Responsibility o
2	9	INSTALLED BY HENRY SCHEIN DENTAL. BLOCKING & ELECTRICAL BY CONTRACTOR(S).	115V	20A			9	RESTRICTIONS.
2	9A	X-RAY MASTER CONTROL - ELECTRICIAN TO SUPPLY AND INSTALL PIPE CHASE WITH PULL-STRING TO (9) LOCATION WHEN (9A) IS REMOTE. VERIFY SUPPLIER OF WIRING WITH HENRY SCHEIN EQUIPMENT SPECIALIST. FINAL CONNECTION BY HENRY SCHEIN DENTAL.			•			6. CONDUIT LOC OWNER AND HEN
2	9В	X-RAY REMOTE EXPOSURE BUTTON - ELECTRICIAN TO SUPPLY AND INSTALL PIPE CHASE WITH PULL-STRING TO (9A) OR (9C) LOCATION. VERIFY SUPPLIER OF EXPOSURE BUTTON AND WIRING WITH HENRY SCHEIN EQUIPMENT SPECIALIST. FINAL CONNECTION BY HENRY SCHEIN DENTAL.			•		9B	7. ALL COMPUTE SPECIFIED BY CUS BE SUPPLYING THI
1	14	STERILIZER (SINGLE CASSETTE) - SUPPLIED AND INSTALLED BY HENRY SCHEIN DENTAL.	115V	20A		_	14A	SHEET SE.2 FOR TH
1	14A 14C	STERILIZER (AUTOCLAVE) - SUPPLIED AND INSTALLED BY HENRY SCHEIN DENTAL. STERI-CENTER UTILITIES - CONTRACTOR(S) TO PROVIDE REQ'D UTILITIES PER MFR'S SPECS. STERI-CENTER SUPPLIED AND INSTALLED BY HENRY SCHEIN DENTAL. EXACT LOCATIONS TO BE CONFIRMED ON-SITE BY HENRY SCHEIN EQUIPMENT SPECIALIST. FINAL CONNECTIONS OF CABINET UTILITIES BY CONTRACTOR.	SEE MFR. SPECS	20A •		•	14A	8. CONTRACTOR LIGHTING AND FII ARCHITECT'S DRA
1	15A	WASHED DISINEECTOR - LITH ITIES BY CONTRACTORIS) SHEPPHED AND INSTALLED BY HENRY	230V	20A		•	15A	9. REFER TO ARC ALL AREAS NOT II
1	15B	HANDPIECE MAINTENANCE SYSTEM - CONTRACTOR(S) TO PROVIDE REQ'D UTILITIES. 1/2" AIR LINE WITH 1/4" ANGLE VALVE (ABOVE COUNTERTOP). SYSTEM SUPPLIED AND INSTALLED BY HENRY SCHEIN DENTAL.	115V				15B	ALL DIMENSION OF
1	23A	EXHAUST FAN FOR DENTAL MECHANICAL CLOSET - SUPPLIED AND INSTALLED BY CONTRACTOR. A THERMOSTAT CONTROLLED FAN IS REQUIRED TO KEEP ROOM TEMPERATURE WITHIN THE EQUIPMENT MANUFACTURER'S RECOMMENDED OPERATING TEMPERATURE RANGE. FAN OUTPUT (CFM) TO BE DETERMINED BY ARCHITECT/ENGINEER. VENT TO OUTSIDE.	115V	•				ELE
1	25	DENTAL AIR COMPRESSOR - SUPPLIED BY HENRY SCHEIN DENTAL, INSTALLED BY CONTRACTOR(S). FOR DENTAL AIR DRIVEN DEVICES. PLUMBER TO PROVIDE 1/2" I.D. COPPER TYPE K OR L SUPPLY LINES TO LOCATIONS THAT REQUIRE AIR. BUCK BOOST TRANSFORMER SUPPLIED AND INSTALLED BY ELECTRICIAN (IF REQ'D). FINAL CONNECTIONS BY CONTRACTOR(S).	230V	20A	•		25	ALL HEIGHTS
1	27	VACUUM PUMP (DRY) - SUPPLIED BY HENRY SCHEIN DENTAL, INSTALLED BY CONTRACTOR(S). VERIFY TRUNK & BRANCH LINE SIZES WITH MFR RECOMMENDATIONS. USE SCH 40 PVC WHERE PERMITTED BY CODE. PLUMBER TO EXHAUST PUMP TO OUTSIDE. BUCK BOOST TRANSFORMER SUPPLIED AND INSTALLED BY ELECTRICIAN (IF REQ'D). DRAIN BY PLUMBER. FINAL CONNECTIONS BY CONTRACTOR(S). PLUMBER TO PROVIDE WATER LINE WITH HOSE BIB NEAR UNIT. SEE DETAIL.	230V	VARY	•		27	⊕ *SPECIFICATI
1	32	REMOTE CONTROL PANEL - SUPPLIED BY HENRY SCHEIN DENTAL, INSTALLED BY ELECTRICIAN 60" A.F.F. ELECTRICIAN TO SUPPLY AND INSTALL 24V CONTROL WIRING FROM PANEL TO EACH COMPRESSOR, VACUUM AND/OR SOLENOID PER MFR SPECS.			•		32	SEE SHEETS SEC
1	39	CEILING MOUNTED MONITOR - BLOCKING AND ELECTRICAL BY CONTRACTOR(S). EXACT LOCATION PER OWNER AND HENRY SCHEIN EQUIPMENT SPECIALIST.	SEE MFG. SPECS				39	
1	39A	WALL MOUNTED MONITOR - BLOCKING AND ELECTRICAL BY CONTRACTOR(S). EXACT LOCATION PER OWNER AND HENRY SCHEIN EQUIPMENT SPECIALIST.	SEE MFG. SPECS				39A	
\vdash	39D	CABINET MOUNTED MONITOR - SUPPLIED AND INSTALLED BY HENRY SCHEIN DENTAL. COMPUTER CIRCUIT - DUPLEX OUTLET & DATA DROP PROVIDED BY ELECTRICIAN. 1-4 OUTLETS	115V		\vdash	\dashv		
2	40	PER DEDICATED CIRCUIT. HEIGHT SPECIFIED BY HENRY SCHEIN EQUIPMENT REP OR AS NOTED.	115V	20A		•		

ELECTRICAL NOTES

THE FLOOR PLANS ENCLOSED HEREIN ARE SUGGESTIONS FOR THE PLACEMENT OF DENTAL EQUIPMENT. THEY ARE NOT INTENDED FOR CONSTRUCTION.

2. EXACT EQUIPMENT LOCATIONS MUST BE JOB SITE VERIFIED BY THE HENRY SCHEIN DENTAL EQUIPMENT SPECIALIST.

3. FOLLOW MANUFACTURER'S TEMPLATES FOR EXACT REQUIREMENTS FOR ANY EQUIPMENT SUPPLIED BY HENRY SCHEIN DENTAL. CONSULT

4. GFCI PROTECTION OR REDUNDANT GROUND IN DENTAL CHAIR RECEPTACLES, DENTAL UTILITY CABINETS AND ANY OTHER AREAS REQUIRED BY LOCAL CODE IS THE RESPONSIBILITY OF THE ELECTRICAL

RESPONSIBILITY OF ELECTRICAL CONTRACTORS. FOLLOW LOCAL CODE RESTRICTIONS.

OWNER AND HENRY SCHEIN REP PRIOR TO ROUGH-IN.

7. ALL COMPUTER NETWORKING AND WORKSTATIONS MUST BE SPECIFIED BY CUSTOMER'S COMPUTER SUPPLIER. IF HENRY SCHEIN WILL BE SUPPLYING THE COMPUTERS & NETWORKING COMPONENTS, SEE SHEET SE.2 FOR THE OFFICE TECHNOLOGY PLAN.

8. CONTRACTOR TO PROVIDE AND INSTALL ALL EXIT SIGNS, EMERGENCY LIGHTING AND FIRE SUPPRESSION & DETECTION SYSTEMS AS PER ARCHITECT'S DRAWINGS AND LOCAL CODE.

9. REFER TO ARCHITECT'S DRAWINGS FOR ELECTRICAL REQUIREMENTS IN ALL AREAS NOT INDICATED ON THIS PLAN.

ALL DIMENSIONS NOTED ON PLAN ARE TO THE CENTERLINE

ELECTRICAL LEGEND

220V DUPLEX RECEPTACLE

*SPECIFICATIONS MAY INCLUDE DATA, SEE ELECTRICAL SCHEDULE THIS SHEET

SEE SHEETS SED.1 & SED.2 FOR DENTAL EQUIPMENT DETAILS

1. THIS SPECIFICATION SHEET IS INTENDED AS A GUIDE FOR TRADESMEN.

WITH HENRY SCHEIN DENTAL REP FOR ADDITIONAL INFORMATION.

5. ADDITIONAL CONVENIENCE OUTLETS REQUIRED ON JOBSITE ARE THE

6. CONDUIT LOCATIONS (4, 4A, 4B, 4C) SHOULD BE VERIFIED WITH

OF RECEPTACLE OR UTILITY CENTER (UNLESS SHOWN OTHERWISE)

ALL HEIGHTS TO BE SPECIFIED ON-SITE UNLESS NOTED OTHERWISE

INIC CL P SAY GOV. ROVE B. HEALTH, (MANGE MINISTRY OF

HEI

WILLARD WALLACE

HENRY SCHEIN REP:

REGION: INTERNATIONAL

PHONE #: 305-418-4101

PROJECT NUMBER:

22-1175 PROJECT START DATE: 05/06/2022

FINALS START DATE: 07/25/2022

DRAWN BY: ARCH FINALS BY: CHECKED BY:

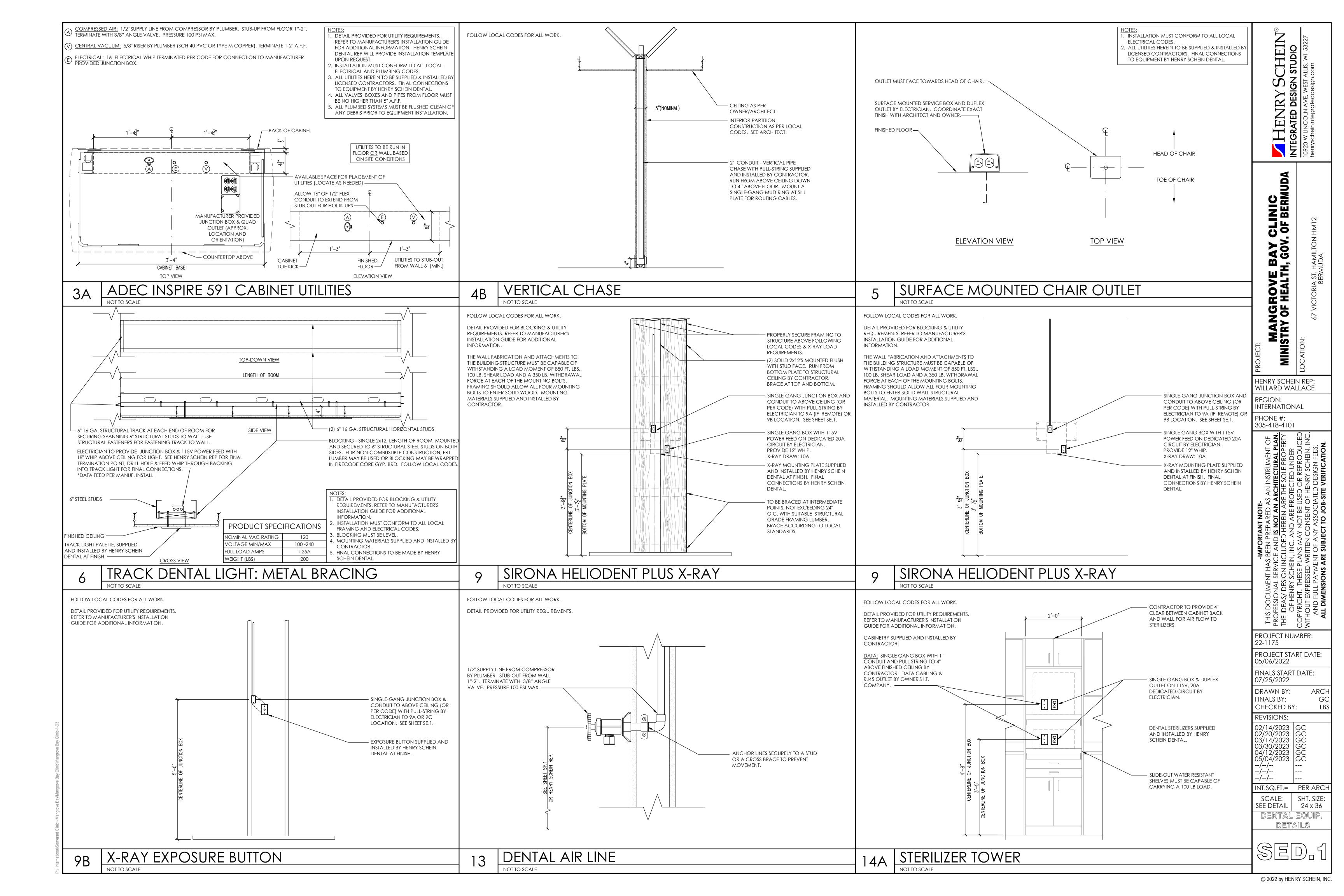
REVISIONS:

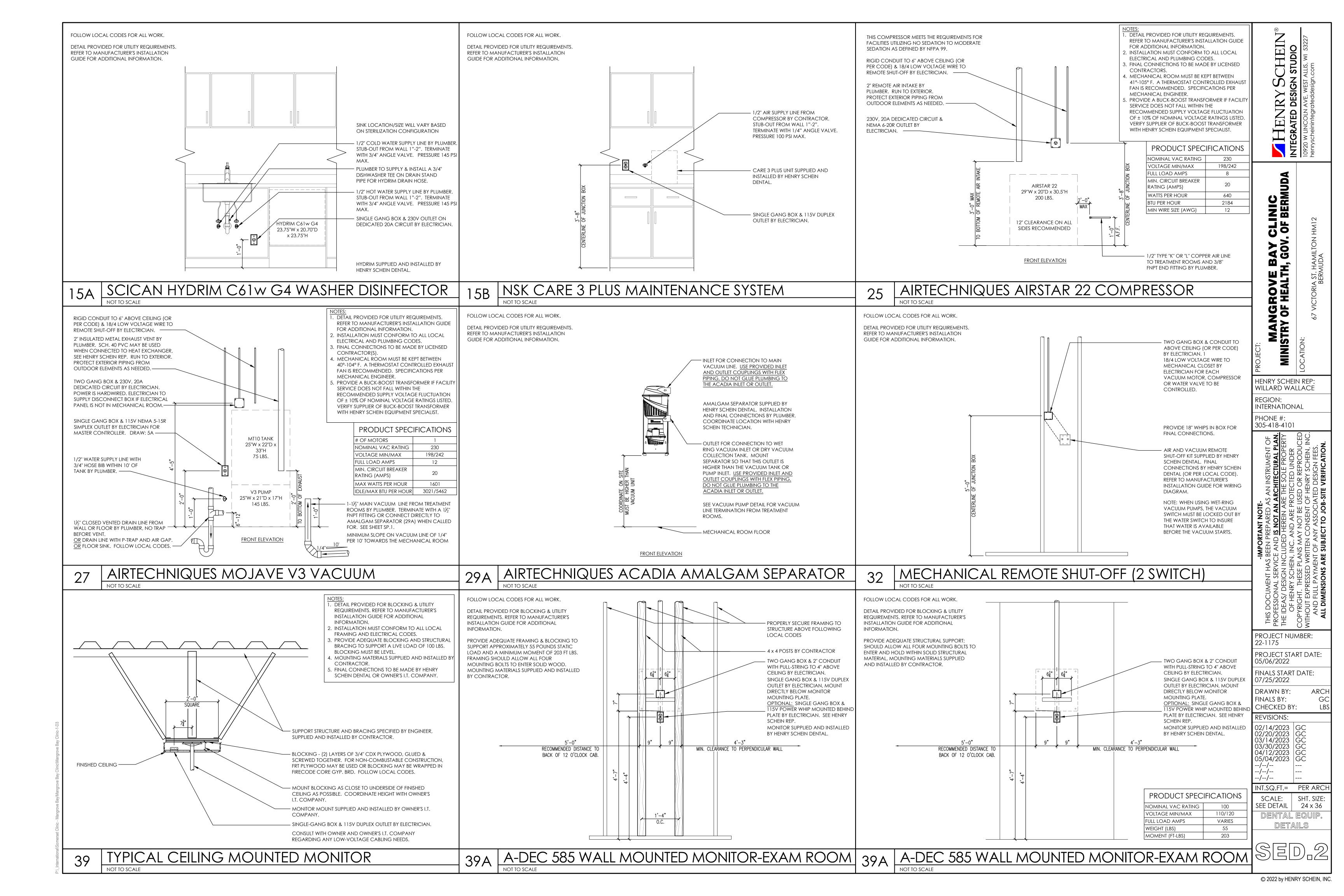
02/14/2023 03/14/2023 03/30/2023 04/12/2023 05/04/2023 GC

INT.SQ.FT.= PER ARCH SCALE: SHT. SIZE: 1/4"=1'-0" 24 x 36

DENTAL ELECTRICAL PLAI







ARCH DRAWN BY: FINALS BY: CHECKED BY:

REVISIONS: 02/14/2023 GC 02/20/2023 GC 03/14/2023 GC 03/30/2023 GC

04/12/2023 GC 05/04/2023 GC INT.SQ.FT.= PER ARCH

SHT. SIZE: SCALE: N/A 24 x 36 DENTAL CABINET DRAWINGS

Customer Name: Direct Henry Schein Caribbean Reference: Sumerset Clinic **Quote #:** WQBSP000248-1



Line Item Label 5 595

Customer Name: Direct Henry Schein Caribbean Reference: Sumerset Clinic **Quote #:** WQBSP000248-1

> 13" (330 mm)



Line Item Label

591 591 13 591

____28" _____ (713 mm)

595 Plan

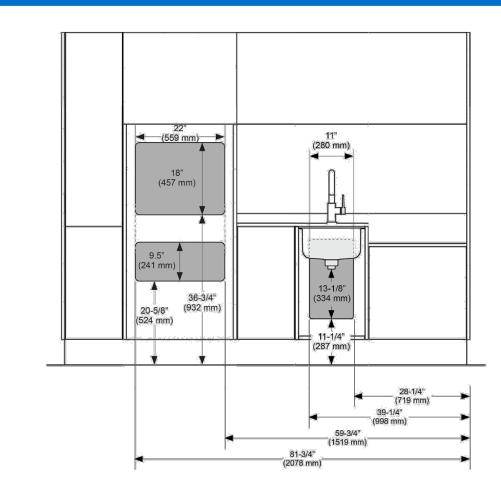
(713 mm)

595 Elevation-Front

Customer Name: Direct Henry Schein Caribbean **Reference:** Sumerset Clinic **Quote #:** WQBSP000248-1

591.42





Utility Cutout Locations - As Viewed From Front (May Not Include Cutouts)

I hereby certify that the information on the proforma invoice is true and correct and that the contents and value of this invoice are as stated. Any changes to product configuration or quantity may result in a change of the project discount. Delivery term is Ex-Works unless specified otherwise. Payment term will be determined when the final order is confirmed. Please carefully check the details of your quotation. If you find any errors or have any questions, please contact us immediately. Phone: 1.503.538.9471, Email: A-decGlobal@A-dec.com, SUBJECT TO INCO TERMS 2010, UCP 600 AND APPLICABLE US LAWS.

Technical Document

Line Item Label

5 595

Page **22** of **45**

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1-1/4" × 3-1/2" × 22 ga @ 24" (610 mm) o.c.

standard or better 2" x 4" @ 24" (610 mm) o c.

13"

(330 mm)

595 Elevation-Side

(381 mm)

Phone: 1.503.538.9471, Email: A-decGlobal@A-dec.com, SUBJECT TO INCO TERMS 2010, UCP 600 AND APPLICABLE US LAWS.

Framing/Wall Mounting (cont.)

A-dec-Provided Fasteners: $1/4^{\circ} \cdot 20 \times 2^{\circ}$ button head screw with $1/4^{\circ} \cdot 20$ toggle bolt anchor-

A-dec-Provided Fasteners: # $10 \times 3^{\circ}$ Phillips fead screw (to vleat) $1/4^{\circ} \times 4^{\circ}$ hex head lag screw (for cabinat)

595 Wall-Mounted Storage

Metal Stud Wall Mirumum Stud:

Wood Stud Wall Minimum Stud:

Page **29** of **45**

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(488 mm)

593 Plan

Page **30** of **45**

Customer Name: Direct Henry Schein Caribbean **Reference:** Sumerset Clinic **Quote #:** WQBSP000248-1



Customer Name: Direct Henry Schein Caribbean **Reference:** Sumerset Clinic **Quote #:** WQBSP000248-1



Line Item Label

14 593

Customer Name: Direct Henry Schein Caribbean **Reference:** Sumerset Clinic **Quote #:** WQBSP000248-1 **Technical Document**



29-3/4" (756 mm)

593 Elevation-Front

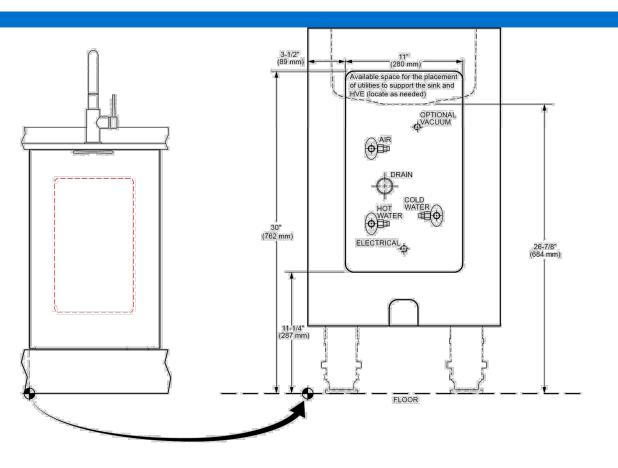
under delivery system mounting bracket is a leas 3-1/4" (83 mm) thick. Consult your licensed

contractor about adding reinforcement to the flooring if necessary.

Technical Document

Line Item Label

7 594



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19" (483 mm) →

593 Elevation-Side

Page **32** of **45**

Utility Layout Detail - Sink Module

Page **31** of **45**

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PROJECT NUMBER: 22-1175

PROJECT START DATE: 05/06/2022

FINALS START DATE: 07/25/2022 ARCH DRAWN BY:

FINALS BY: CHECKED BY: REVISIONS:

02/14/2023 GC 02/20/2023 GC 03/14/2023 GC 03/30/2023 GC 04/12/2023 GC 05/04/2023 GC

INT.SQ.FT.= PER ARCH SCALE: SHT. SIZE: N/A 24 x 36

DENTAL CABINET DRAWINGS



Customer Name: Direct Henry Schein Caribbean **Reference:** Sumerset Clinic

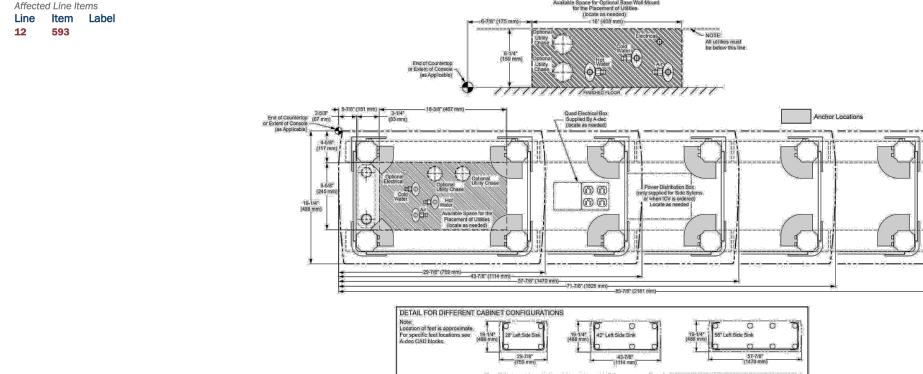
Quote #: WQBSP000248-1



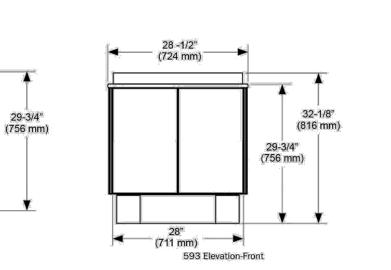
Customer Name: Direct Henry Schein Caribbean Reference: Sumerset Clinic **Quote #:** WQBSP000248-1

Customer Name: Direct Henry Schein Caribbean Reference: Sumerset Clinic **Quote #:** WQBSP000248-1

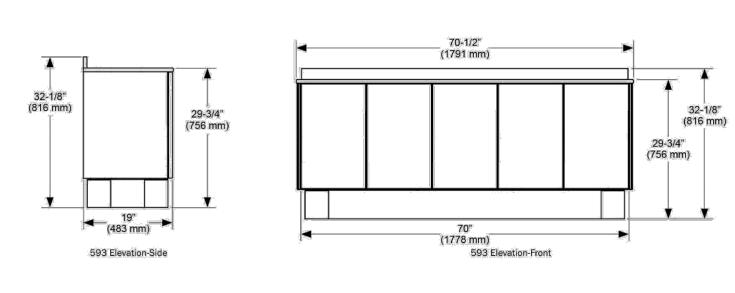








Line Item Label (488 mm) 593 Plan



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593 Elevation-Side

Page **36** of **45**

Page **37** of **45**

Customer Name: Direct Henry Schein Caribbean **Reference:** Sumerset Clinic

Quote #: WQBSP000248-1

593 Sink Left



Page **34** of **45**

Page **39** of **45**

Customer Name: Direct Henry Schein Caribbean **Reference:** Sumerset Clinic **Quote #:** WQBSP000248-1



Customer Name: Direct Henry Schein Caribbean **Reference:** Sumerset Clinic **Quote #:** WQBSP000248-1

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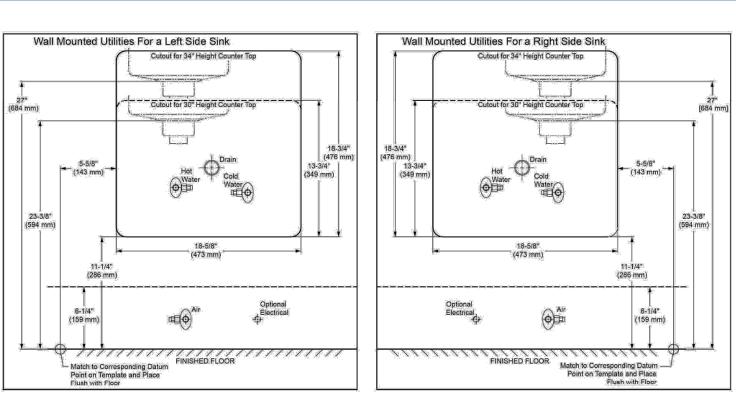
Please carefully check the details of your quotation. If you find any errors or have any questions, please contact us immediately.

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Technical Document

Line Item Label 12 593

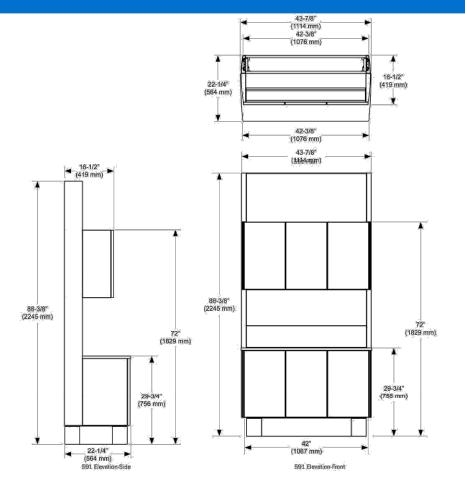


593 Back Panel Cut Out

591 591 13 591

Technical Document

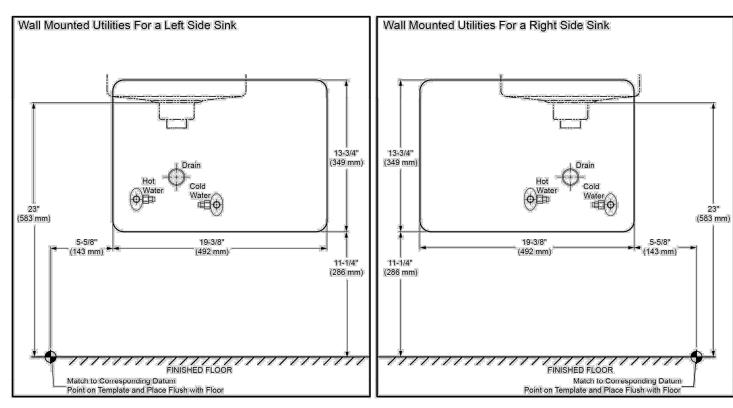
Line Item Label



Technical Document Line Item Label

3 591 4 591

13 591



591 Rear Panel Cutout

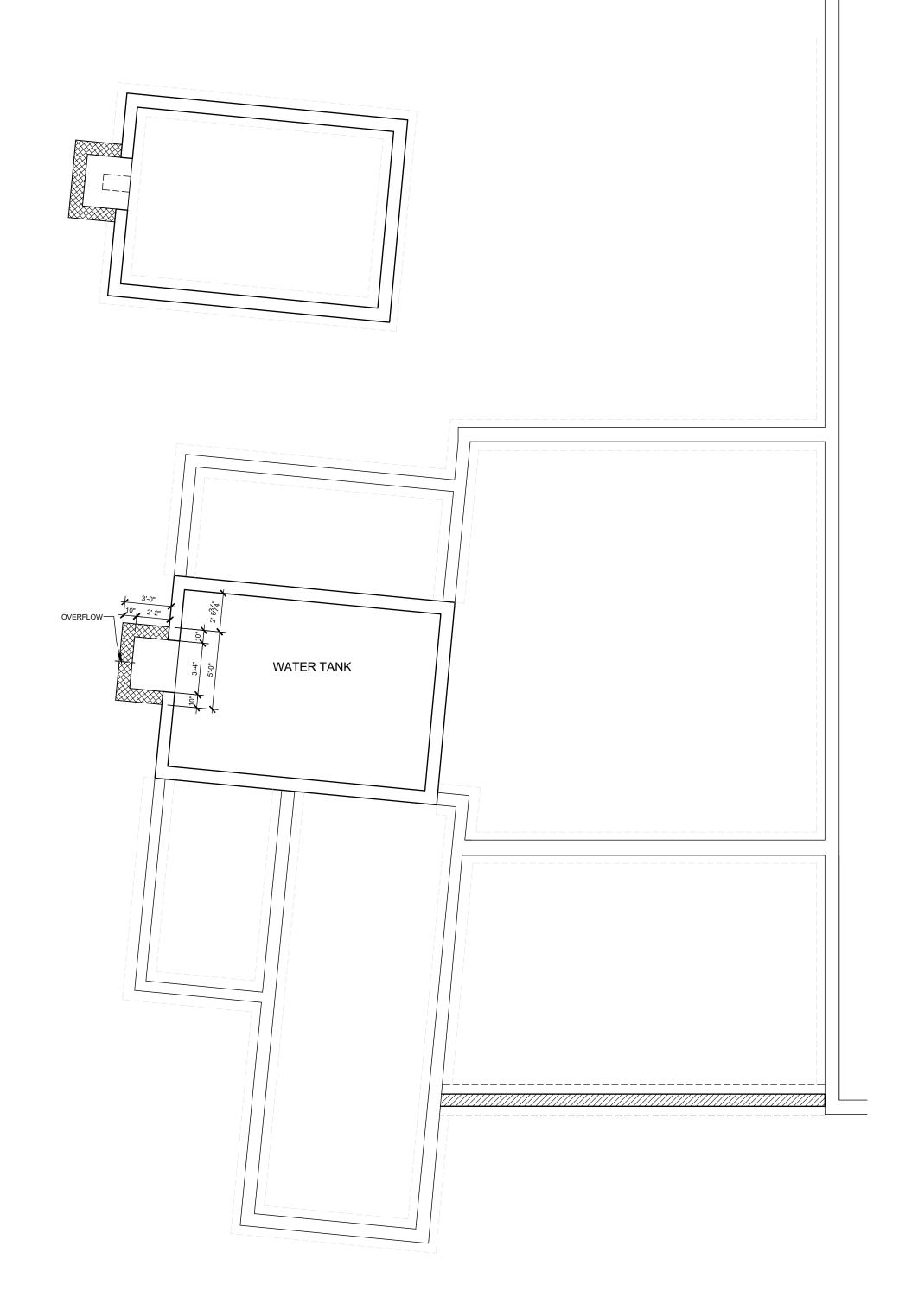
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Page **40** of **45**

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Page **41** of **45**



1 TANK/FOUNDATION PLAN
SCALE:3/16"=1'-0"

CONSTRUCTION KEY

EXISTING BERMUDA STONE WALLS TO BE RETAINED

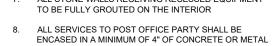
NEW UNFILLED CONCRETE BLOCK CONSTRUCTION

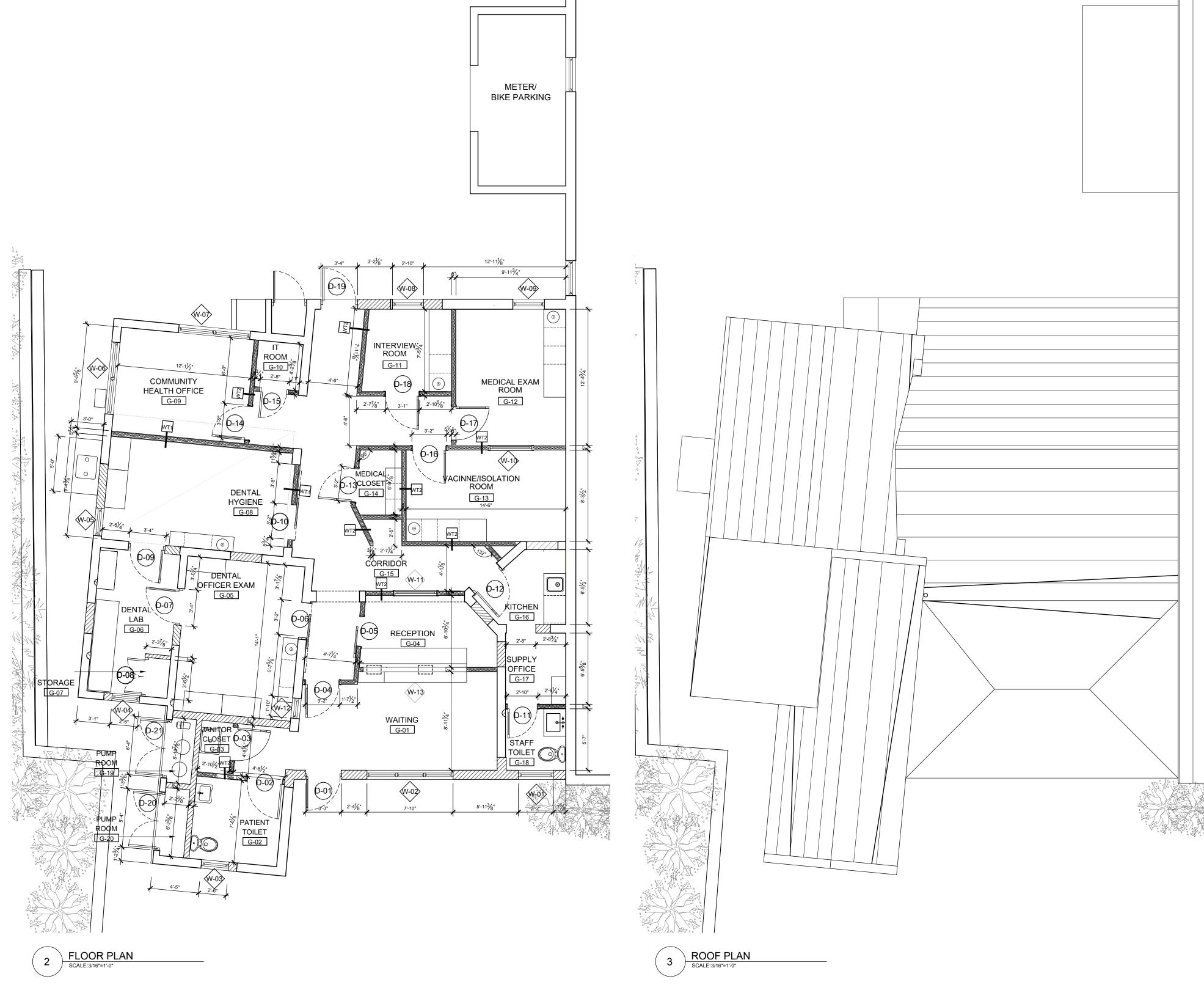
NEW FILLED CONC CONSTRUCTION NEW FILLED CONCRETE BLOCK

NEW PARTITION WALL

PROPOSED GENERAL NOTES

- SCRAPE DOWN EXISTING UNEVEN WALLS AND CLEAN TO ELIMINATE EXISTING MOLD. APPLY PLASTER RENDER, 2 COATS MOLD/MILDEW PRIMER AND PAINT
- 2. FILL HOLES IN WALLS CAUSED BY REMOVAL OF PLUMBING AND ELECTRICAL OUTLETS. APPLY AN EVEN LAYER OF PLASTER RENDER TO ALIGN WITH
- 3. EXISTING OPENINGS TO BE BLOCKED WITH CONCRETE BLOCK TO MATCH WITH OF EXISTING OPENINGS.
- 4. APPLY NEW GYPSUM BOARD TO CEILING.
- 5. EXISTING CONCRETE SLAB TO BE RESURFACED EVENLY AND READY TO RECEIVE NEW VINYL TILE FINISH
- ALL GYPSUM BOARD WALLS REQUIRE BLOCKING TO SUPPORT ADDITIONAL MEDICAL/DENTAL EQUIPMENT OR WALL HANGING OBJECTS
- 7. ALL STONE WALLS RECEIVING RECESSED EQUIPMENT





GENERAL NOTES

All dimensions are in imperial unless otherwise stated All dimensions shall be checked on site prior to commencing the works and errors and omission to be reports to the architects.

All materials and workmanship shall conform with the relevant specification and codes of practice.

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LIST OF INFORMANTS/CONSULTANTS

ENTECH LTD ISLAND AUTOMATION

BERMUDA AIR CONDITIONING

HENRY SHEIN

A 23.06.06 FOUNDATION PLAN AND TANK DIMENSIONS

Issue Status

Client

BUILDING CONTROL

DEPARTMENT OF HEALTH

Project

MANGROVE BAY CLINIC **RENOVATIONS & ADDITIONS**

Project Address

55 MANGROVE BAY SANDYS

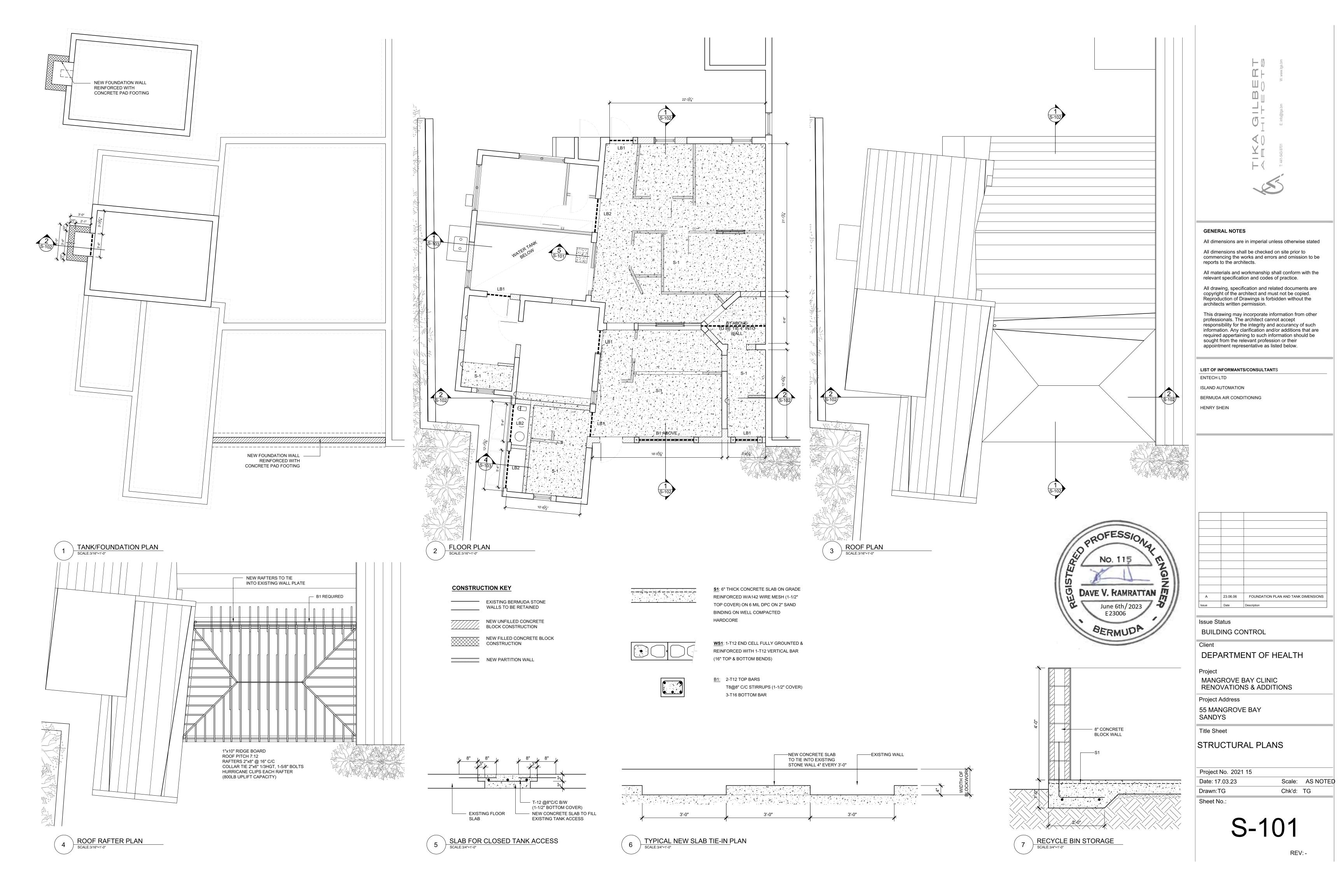
Title Sheet

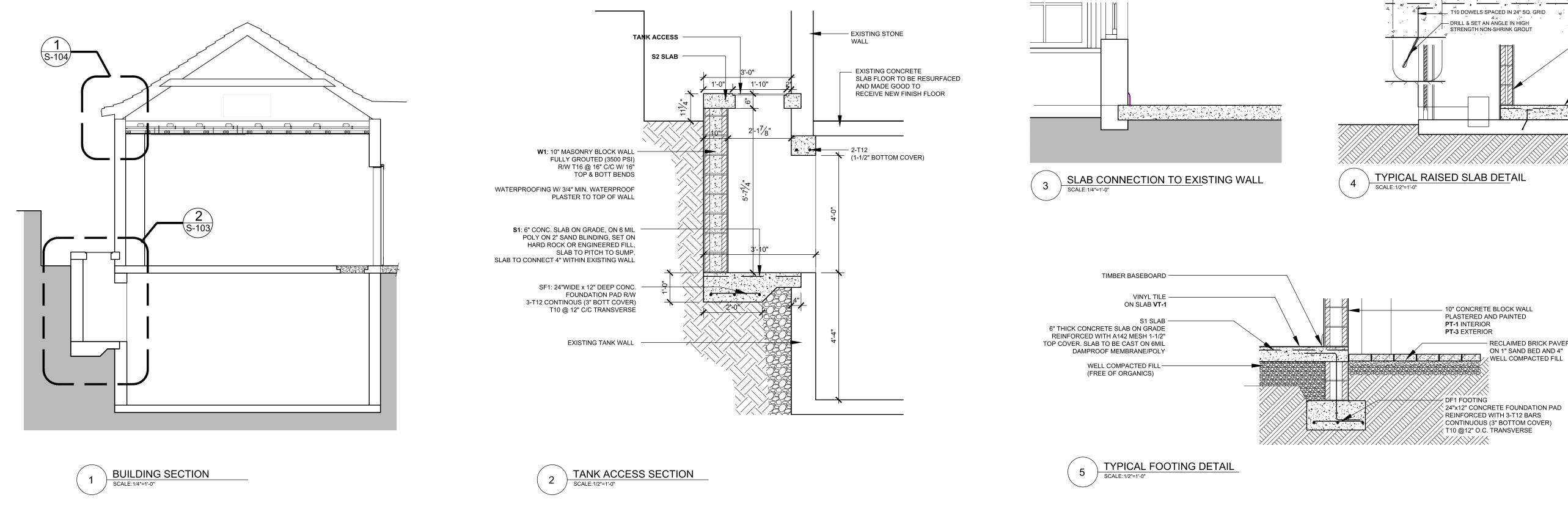
PROPOSED PLANS

Project No. 2021 15

Date: 16.03.22 Scale: AS NOTED Drawn:TG Chk'd: TG

Sheet No.:





- 2"x6" COLLAR TIE W/ 1-5/8" BOLTED TO 2"x8" RAFTER @ 16" C/C

WITH 1/8" FIBRE-BOND COATING

- 2 HURRICANE CLIPS
PER RAFTER (800LB UPLIFT CAPACITY

GALV. J-BOLTS @32" C/C (9" LONG)

3"x4" W.P.P. WALL PLATE BOLTED TO BEAM W/ $\frac{1}{2}$ "Ø

7 ROOF CONNECTION DETAIL

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

SKB ROOF PROFILE

& CMA 300 COATING

7'-0"

EACH END)

____ B1 BEAM

1/2" MOISTURE RESISTANT

2"x4"CRICKET TO TIE INTO EVERY

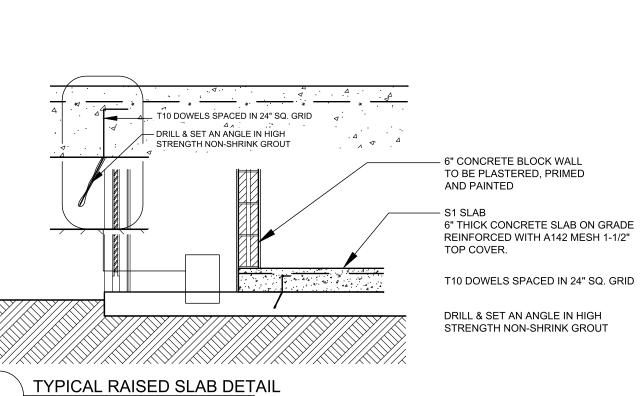
OTHER EXISTING AND NEW RAFTER

INTERIOR CEILING DRYWALL

2"x6" FALSE RAFTER FASTEN

ON 3"x4" TIMBER LEDGER (W.P.P)





- RECLAIMED BRICK PAVERS

GENERAL NOTES

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55 MANGROVE BAY SANDYS

Title Sheet

STRUCTURAL SECTIONS & NOTES

Project No. 2021 15

Date: 17.03.23 Scale: AS NOTED Chk'd: TG Drawn:TG

Sheet No.:

S-103

