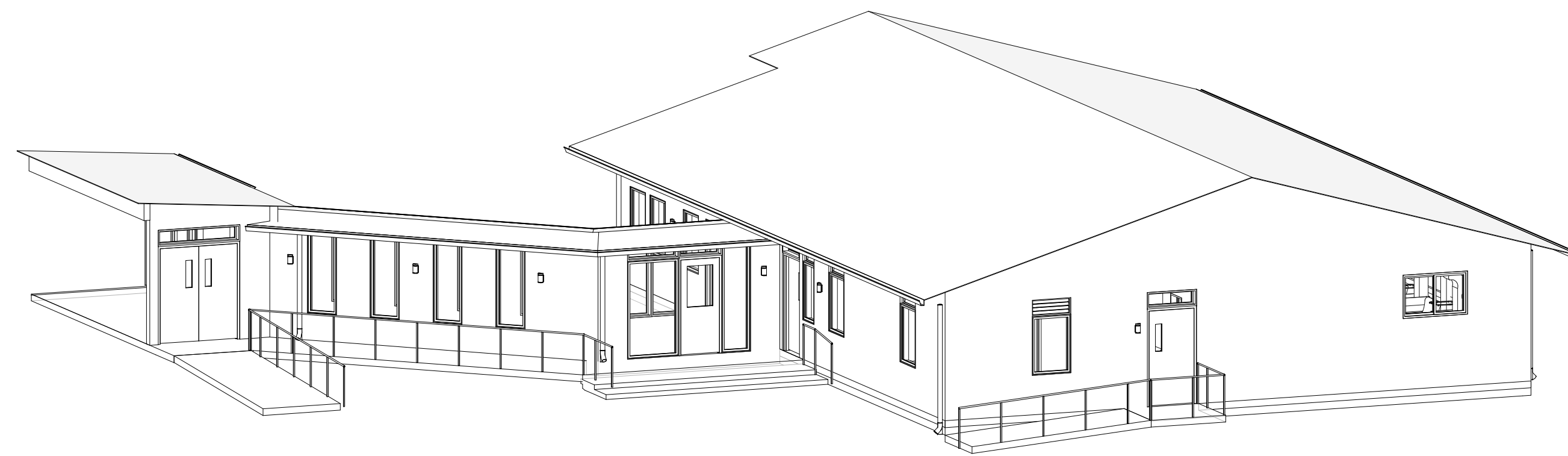


NICU EXTENSION

HOPE HEALTH ACTION

HCBH HOSPITAL, QUARTIER MORIN, HAITI



CONSTRUCTION DOCUMENTS

APRIL 10, 2023



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WASTEWATER BASIS OF DESIGN

NICU DAILY FLOWS

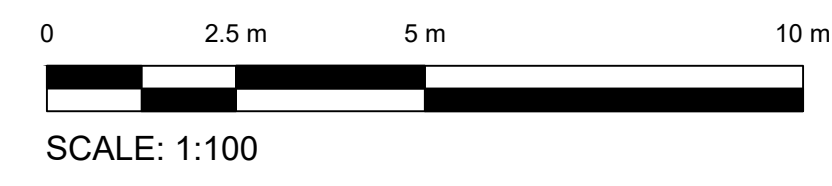
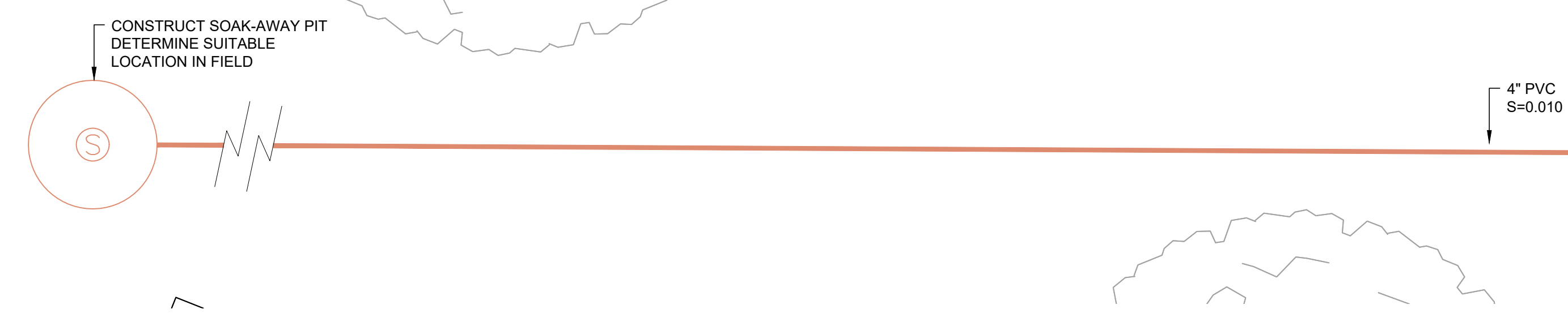
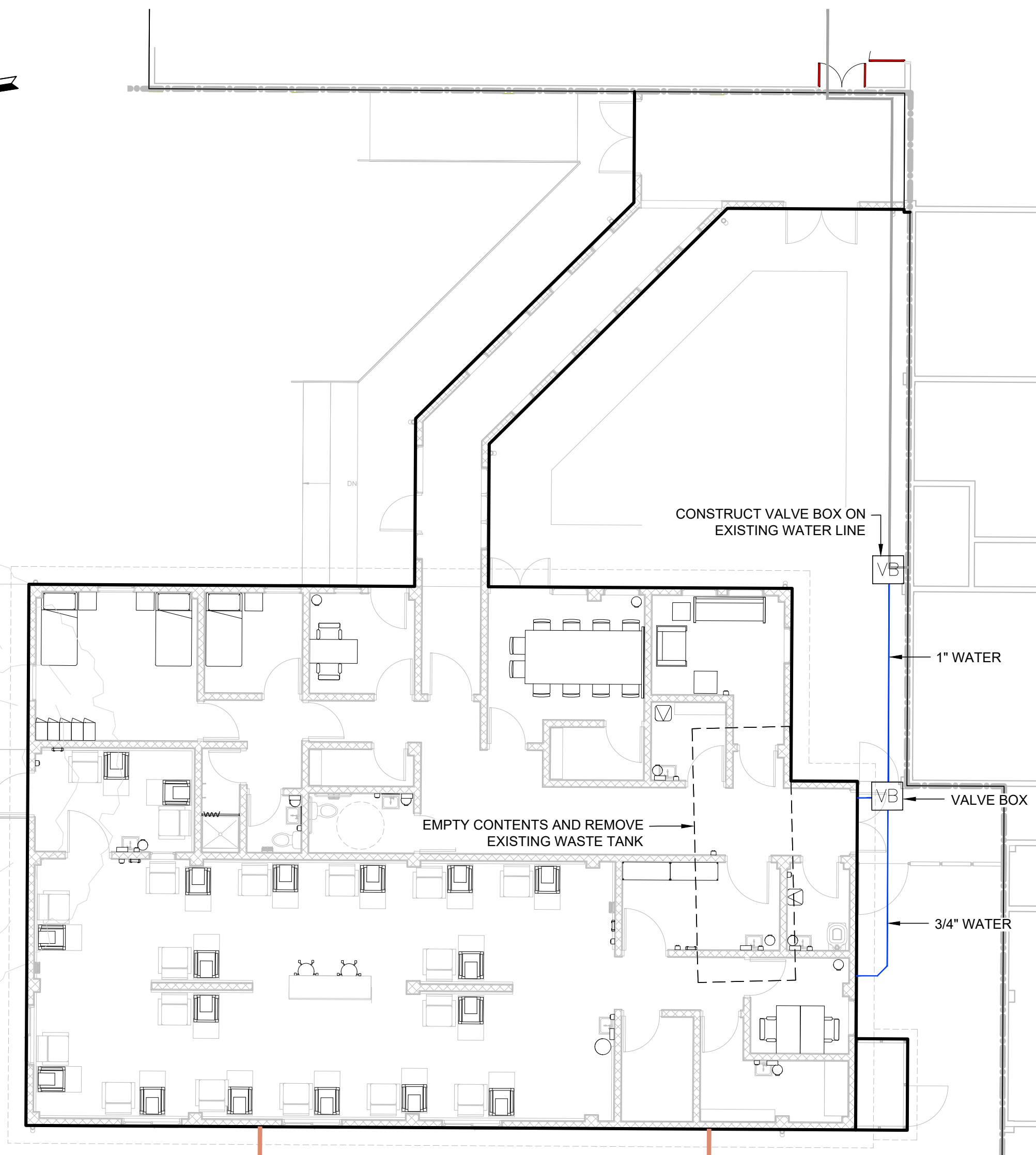
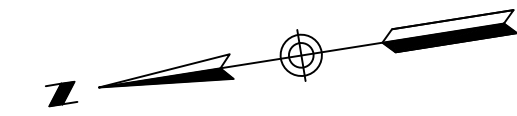
4 STAFF (24 HRS) * 135 LPD/PERSON	540 LPD
16 INFANT PATIENTS * 10 LPD/PATIENT	160 LPD
16 CARE-GIVER/VISITORS * 45 LPD/PERSON	720 LPD
	1,420 LPD
MINIMUM SEPTIC CAPACITY (2 DAYS)	2,840 LITERS
CAPACITY PROVIDED	3,750 LITERS (2.6 DAYS)

NOTES

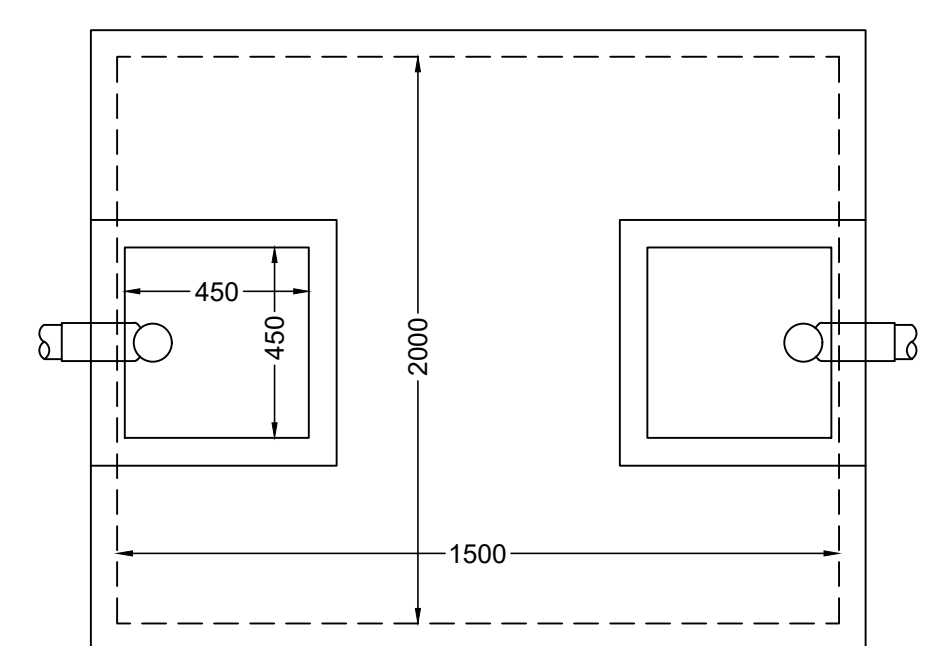
1. LOCATION OF PROPOSED SOAK-AWAY PIT SHALL BE DETERMINED IN THE FIELD BASED UPON EXISTING STRUCTURES, VEGETATION, AND SUBSURFACE CONDITIONS.
2. SIZE AND CONSTRUCTION OF SOAK-AWAY PIT SHALL BE BASED UPON SUBSURFACE CONDITIONS AND LOCAL CONSTRUCTION PRACTICES.
3. SOAK AWAY PIT SHALL BE SIZED TO ACCOMMODATE THE COMBINED TOTAL FLOW FROM THE PROPOSED NICU (1,420 LPD) PLUS A FUTURE BUILDING AT A LOCATION TO BE DETERMINED. ALLOCATION OF FUTURE BUILDING FLOWS SHALL BE COORDINATED WITH THE OWNER BUT THE SOAK-AWAY PIT SHALL HAVE A DESIGN CAPACITY TO SAFELY DISSIPATE A MINIMUM OF 4,000 LPD.

LEGEND

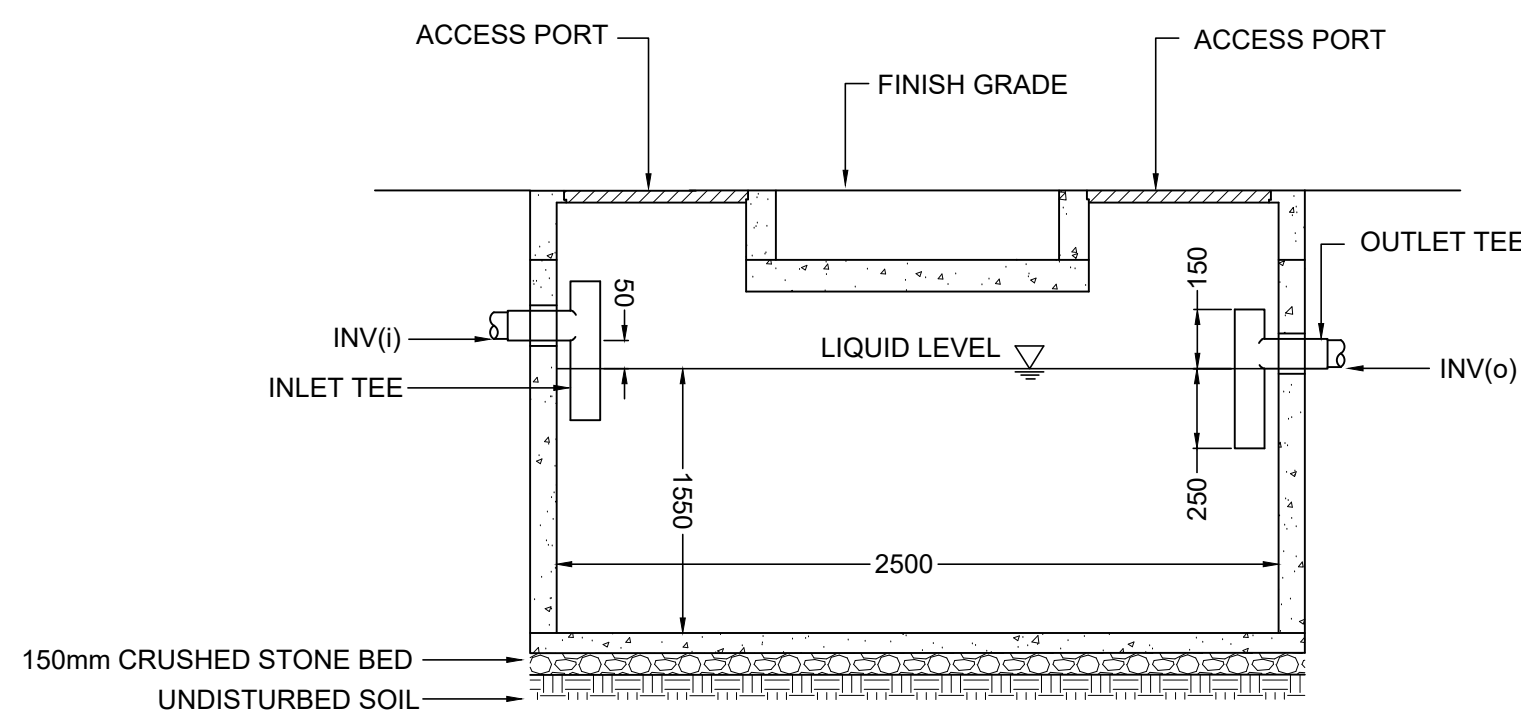
- PROPOSED SEWER PIPE
- PROPOSED WATER SERVICE
- S SEWER MANHOLE
- VB WATER VALVE BOX



1 SITE PLAN
SCALE 1:100



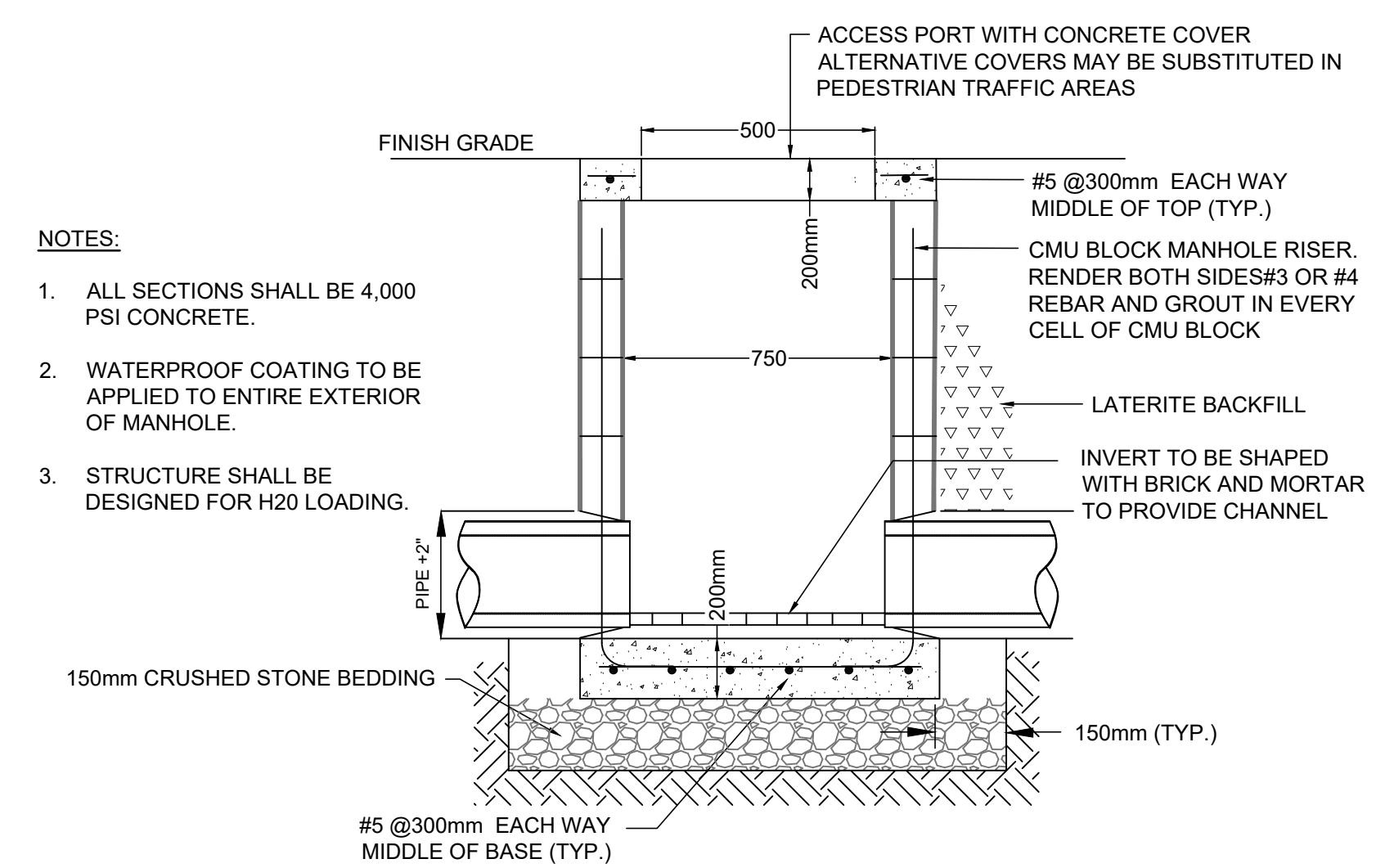
PLAN



SECTION

NOTE:
SEE STRUCTURAL DRAWINGS FOR TANK CONSTRUCTION SPECIFICATIONS. EXTERIOR DIMENSIONS MAY VARY.

2 SEPTIC TANK DETAIL
Not to Scale



NOTES:

1. ALL SECTIONS SHALL BE 4,000 PSI CONCRETE.
2. WATERPROOF COATING TO BE APPLIED TO ENTIRE EXTERIOR OF MANHOLE.
3. STRUCTURE SHALL BE DESIGNED FOR H2O LOADING.

3 SEWER MANHOLE DETAIL
NOT TO SCALE

NO.	DATE	DESCRIPTION

KEY PLAN

HOPE HEALTH ACTION

OWNER

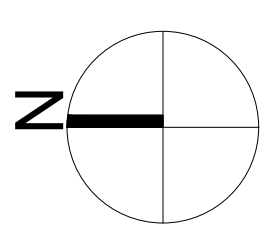
NICU EXTENSION

HCBH HOSPITAL, QUARTIER MORIN, HAITI

PROJECT

SITE UTILITIES PLAN

DRAWING TITLE



SCALE 1:50 DATE 01/12/2023

JOB NUMBER 64-001

DRAWN PA CHECKED

CONSTRUCTION DOCUMENTS

C101

DRAWING NUMBER

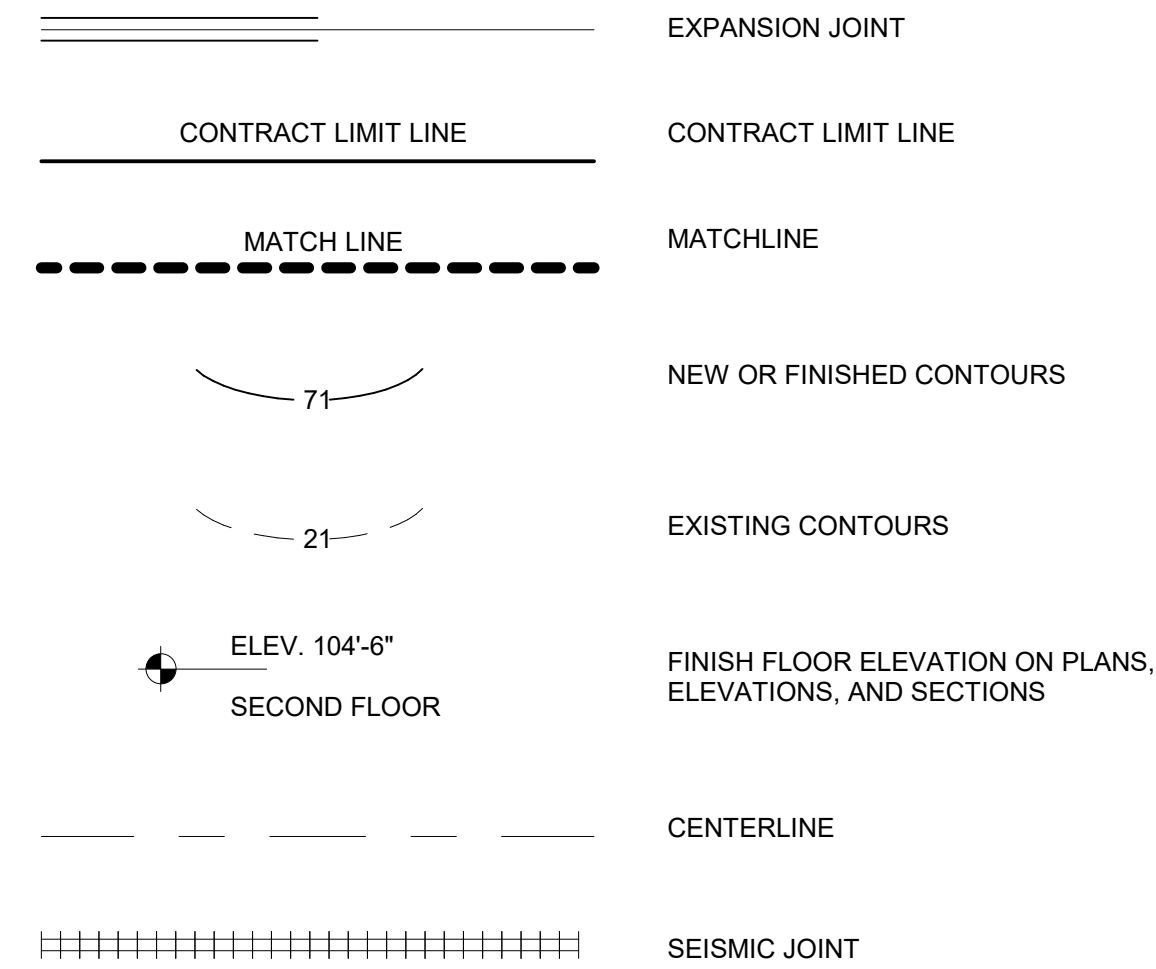
DRAWING LIST

Drawing List	
NUMBER	NAME
000	COVER SHEET
A000	ARCHITECTURAL SYMBOLS, ABBREVIATIONS & GENERAL NOTES
A001	DEMO PLAN
A101	KEYS & NOTES FLOOR PLAN
A102	DIMENSIONS & PARTITIONS FLOOR PLAN
A103	EQUIPMENT PLAN & SCHEDULES
A104	ROOF PLAN
A201	REFLECTED CEILING PLAN
A301	EXTERIOR ELEVATIONS
A302	EXTERIOR ELEVATIONS
A401	BUILDING SECTIONS
A501	WALL DETAILS
A502	ROOF DETAILS
A503	DOOR & WINDOW DETAILS
A504	STAIR AND RAMP DETAILS
A701	INTERIOR ELEVATIONS
A702	INTERIOR ELEVATIONS
A703	INTERIOR ELEVATIONS
A704	TYPICAL CONDITIONS & MOUNTING HEIGHTS
A901	DOOR SCHEDULE
A902	WINDOW SCHEDULE

ARCHITECTURAL ABBREVIATIONS

Arch Abbreviations	
	DESCRIPTION
C	CENTERLINE
#	POUND OR NUMBER
&	AND
<	ANGLE
@	AT
AVB	AIR & VAPOR BARRIER
ADD	ADDENDUM
AFF	ABOVE FINISH FLOOR
ALT	ALTERNATE
BLDG	BUILDING
BLKG	BLOCKING
BOT	BOTTOM
CFMF	COLD FORMED METAL FRAMING
CG	CORNER GUARD
CL	CENTERLINE
CLG	CEILING
CLR	CLEAR, ANCE
CM	CENTIMETER
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
DEMO	DEMOLISH, DEMOLITION
DIAG	DIAGONAL
DIM	DIMENSION
DN	DOWN
EA	EACH
EJ	EXPANSION JOINT
ELEC	ELECTRICAL
ELEV	ELEVATOR
EOS	EDGE OF SLAB
EXP	EXPOSED
EXT	EXTERIOR
FA	FIRE ALARM
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISHED FLOOR
GA	GAUGE
GAL, GALV	GALVANIZED
GB24	GRAB BAR W/ LENGTH IN INCHES
GYP	GYPSPUM
HGT, HT	HEIGHT
HVAC	HEATING, VENTILATING, AIR CONDITIONING
INT	INTERIOR
LAB	LABORATORY
LS	LIGHT SWITCH
MAX	MAXIMUM
MIN	MINIMUM
MISC	MISCELLANEOUS
MM	MILLIMETER, -S
NIC	NOT IN CONTRACT
NO, #	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
PLYWD	PLYWOOD
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REQD	REQUIRED
RM	ROOM
RO	ROUGH OPENING
SIM	SIMILAR
SST, SS	STAINLESS STEEL
STL	STEEL
T	TEL/DATA OUTLET
T STAT	THERMOSTAT
TEL	TELEPHONE
TLT	TOILET
TOC	TOP OF CONCRETE, CURB
TOF	TOP OF FOOTING
TOP	TOP OF PAVEMENT
TOS	TOP OF STEEL
TOW	TOP OF WALL
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
Ø	DIAMETER
⊥	PERPENDICULAR

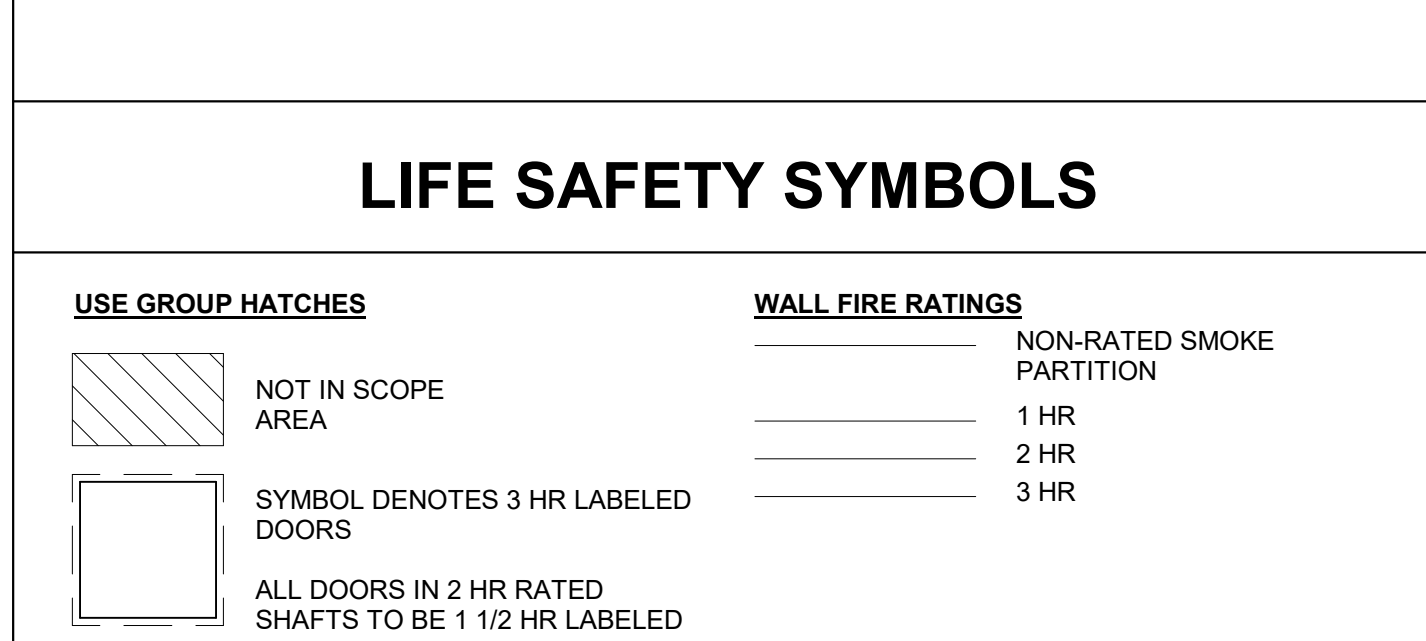
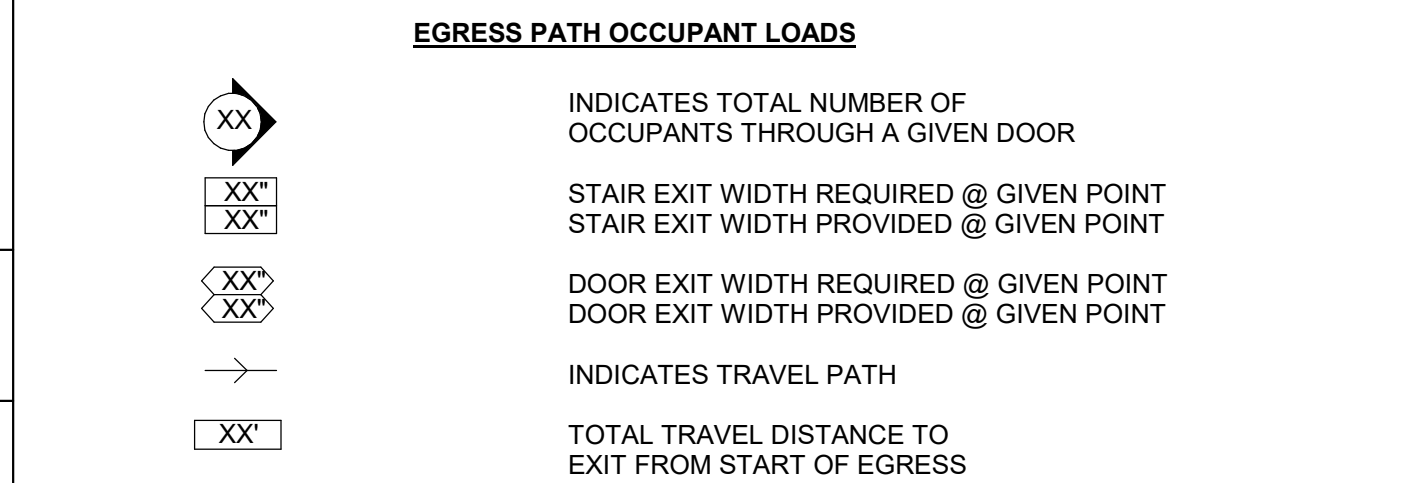
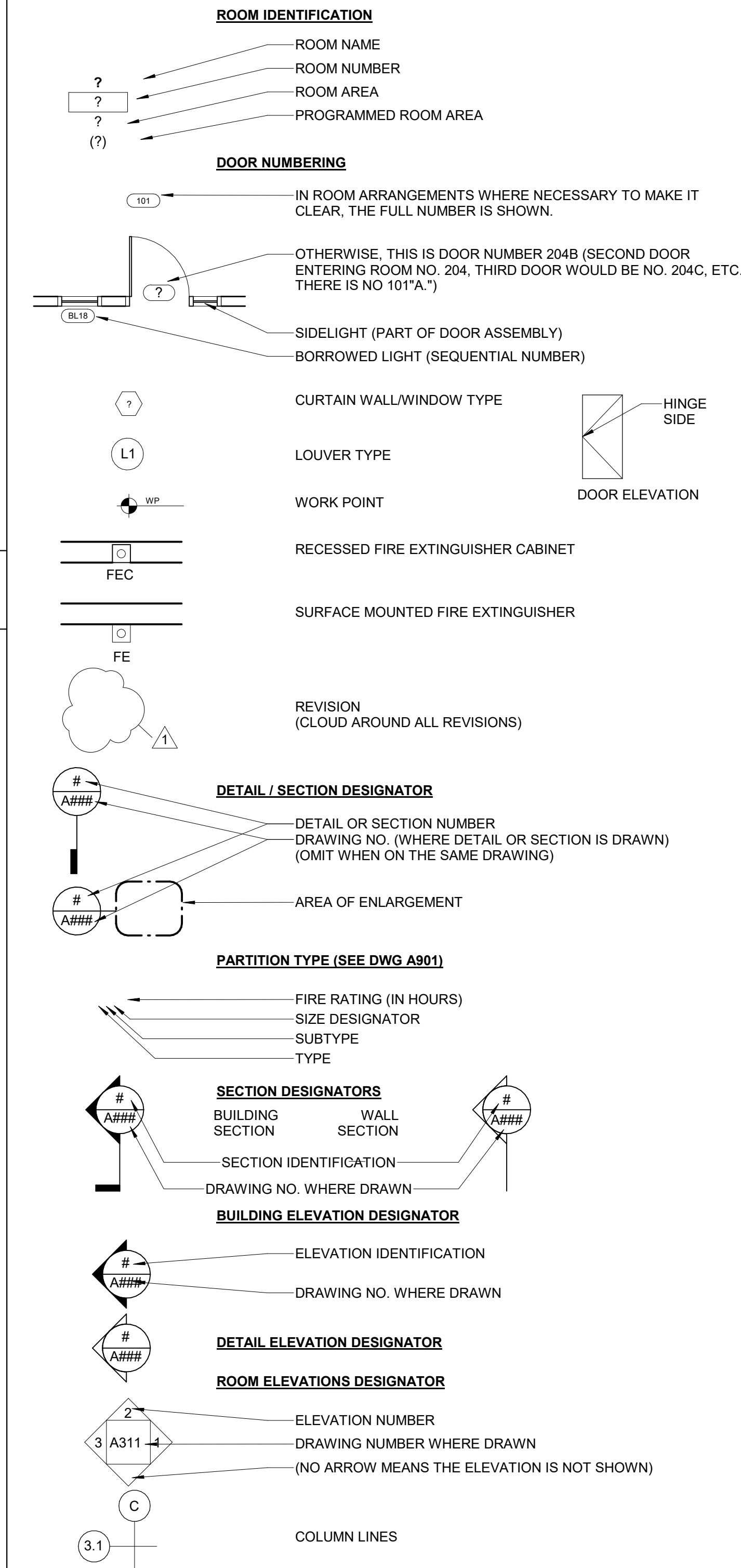
ARCH INDICATOR LINES/SYMBOLS



GENERAL NOTES

- CONSTRUCTION IS NEW AND IS TO BE PROVIDE UNDER THIS CONTRACT UNLESS INDICATED AS "EXISTING" OR "RELOCATED" OR "NOT IN CONTRACT."
- DIMENSIONS
 - A. DIMENSIONS ARE TO FACE OF FINISH UNLESS OTHERWISE NOTED
 - B. DIMENSIONS FOR ALL DOORS AND WINDOWS ARE TO THE FINISHED OPENING. FINISHED OPENING IS MEASURED FROM THE FACE OF THE RENDERED CMU. THIS DIMENSION DOES INCLUDE RENDERING.
 - C. DIMENSIONS SHOWN ARE NOMINAL FOR MANUFACTURED OR BUILT-IN ELEMENTS. (EXCEPT FOR ROUGH OPENINGS AND ITEMS THAT ARE ON THE CENTERLINE OF COLUMNS.) PROVIDE CONSTRUCTION TOLERANCES AS REQUIRED.
 - D. DIMENSIONS FOR MASONRY ARE NOMINAL UNLESS OTHERWISE INDICATED
 - E. DIMENSIONS FOR STONEWORK ARE TO FACE OF STONE UNLESS OTHERWISE INDICATED.
 - F. OVERALL JOINT WORK IS TO CENTERLINE OF JOINT UNLESS OTHERWISE INDICATED.
- EQUIPMENT SHOWN ON REFLECTED CEILING PLAN IS INTENDED TO BE CENTERED IN THE TILE OF PANEL UNLESS OTHERWISE INDICATED.
- WHERE WALLS OR PARTITIONS ON EITHER SIDE OF A DOOR ARE SHOWN AS SMOKE OR FIRE RATED, THE WALL OR PARTION OVER THE DOOR SHALL BE RATED TO THE HIGHEST RATING OF THE ADJACENT WALLS & PARTITIONS, AS REQUIRED TO COMPLETE THE ENCLOSURE OR SEPARTION, UNLESS OTHERWISE INDICATED.
- REFERENCES TO DRAWINGS WITHIN THE "A" SERIES OF DRAWINGS MAY NOT USE THE "A" PREFIX, THEREFORE, A REFERENCE TO "301" IS TO "A301."
- THE CONTRACTOR SHALL REMOVE WHATEVER NEEDS TO BE REMOVED TO ACCOMODATE THE WORK.

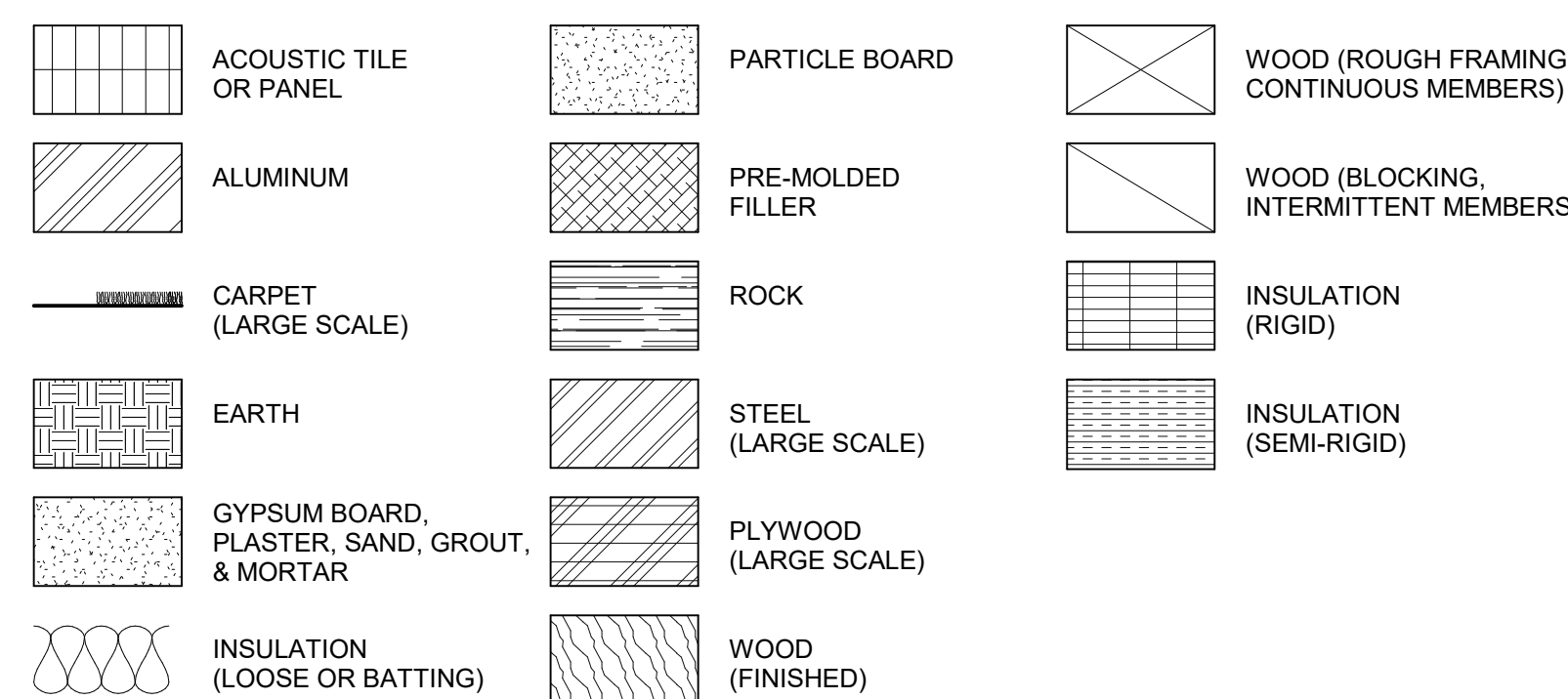
ARCH STANDARD SYMBOLS



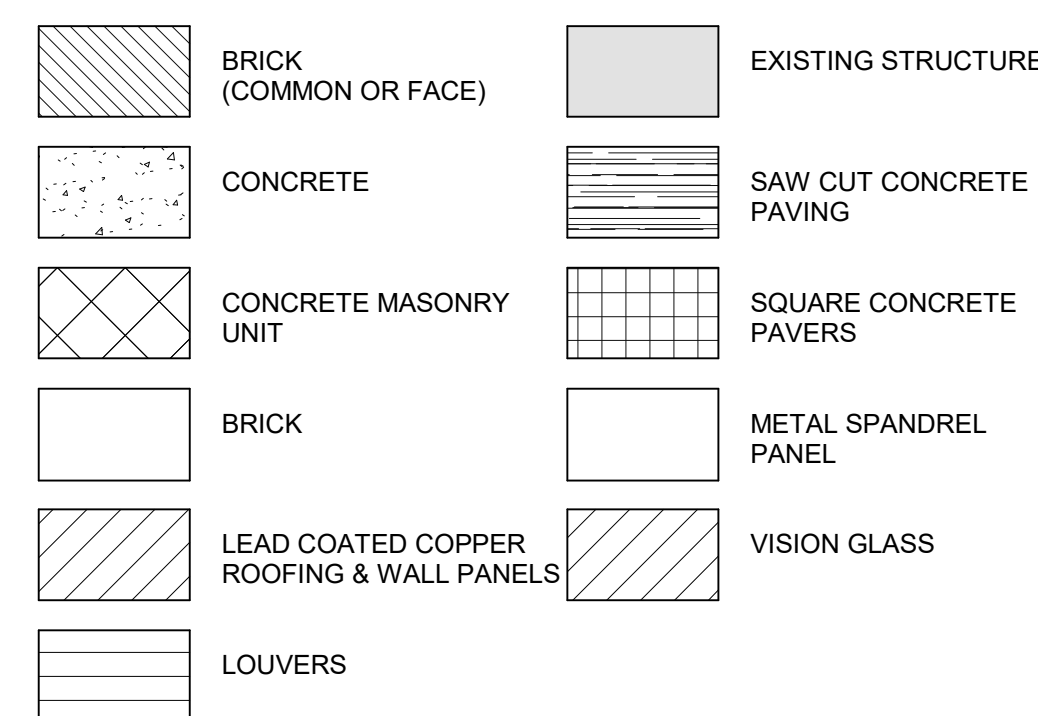
BUILDING GROSS SF

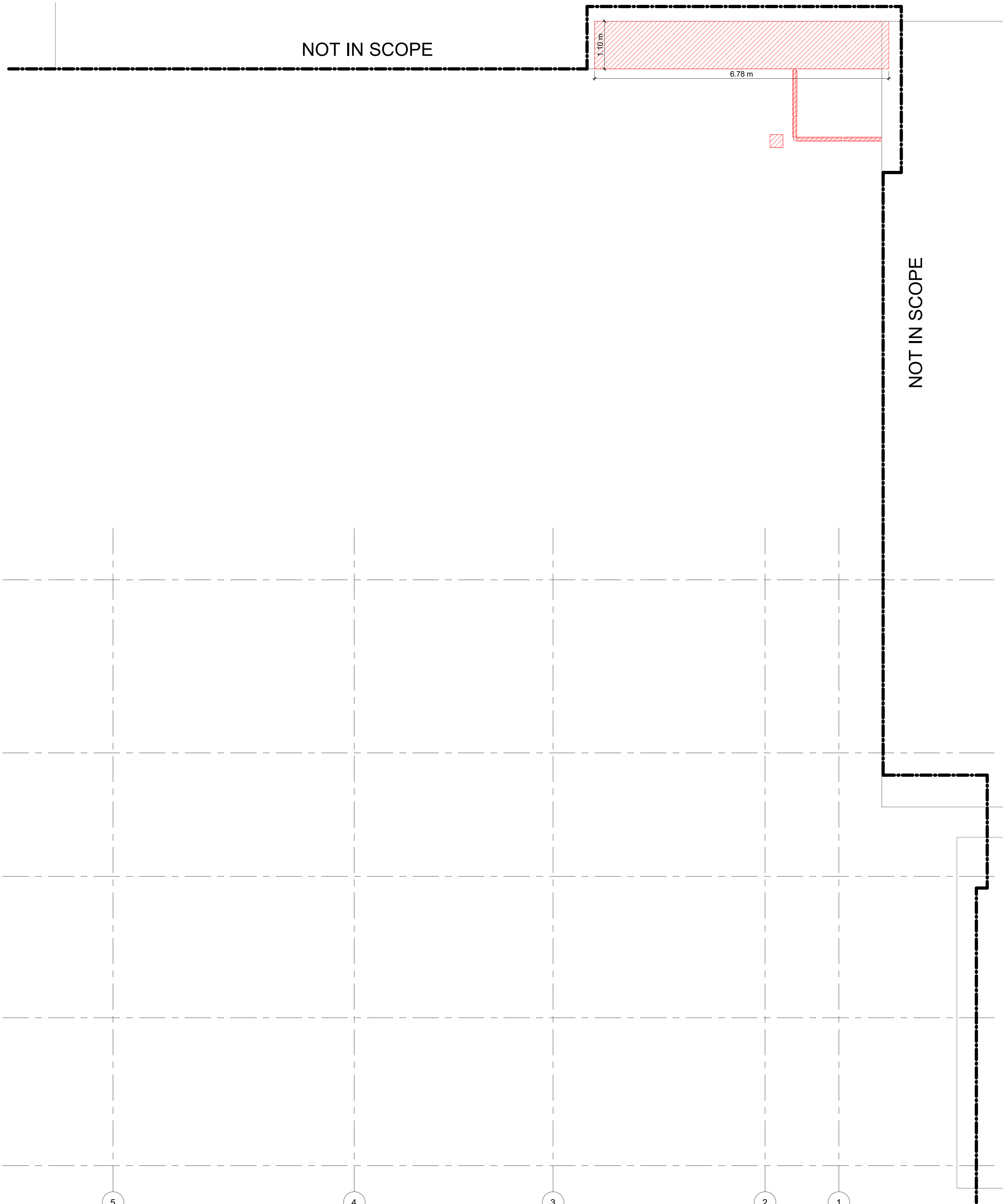
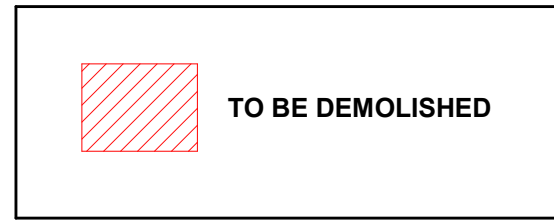
Gross Building Area	
Name	Area
LEVEL 1	337 m ²
GRAND TOTAL: 1	337 m ²

ARCH PLAN / DETAIL MATERIALS



EXTERIOR MATERIAL SYMBOLS





GENERAL NOTES:
 1. BEAMS AND ROOF TO CUT IN MARKED DEMOLITION AREA TO NOT CONFLICT WITH PROPOSED INTERIOR FOYER SPACE.

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KEY PLAN

HOPE HEALTH ACTION

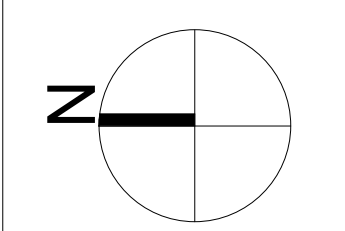
OWNER

NICU EXTENSION
 HCBH HOSPITAL, QUARTIER MORIN, HAITI

PROJECT

DEMO PLAN

DRAWING TITLE



SCALE 1 : 50 DATE 12/07/2022

JOB NUMBER 64-001

DRAWN AD CHECKED Checker

CONSTRUCTION DOCUMENTS

A001

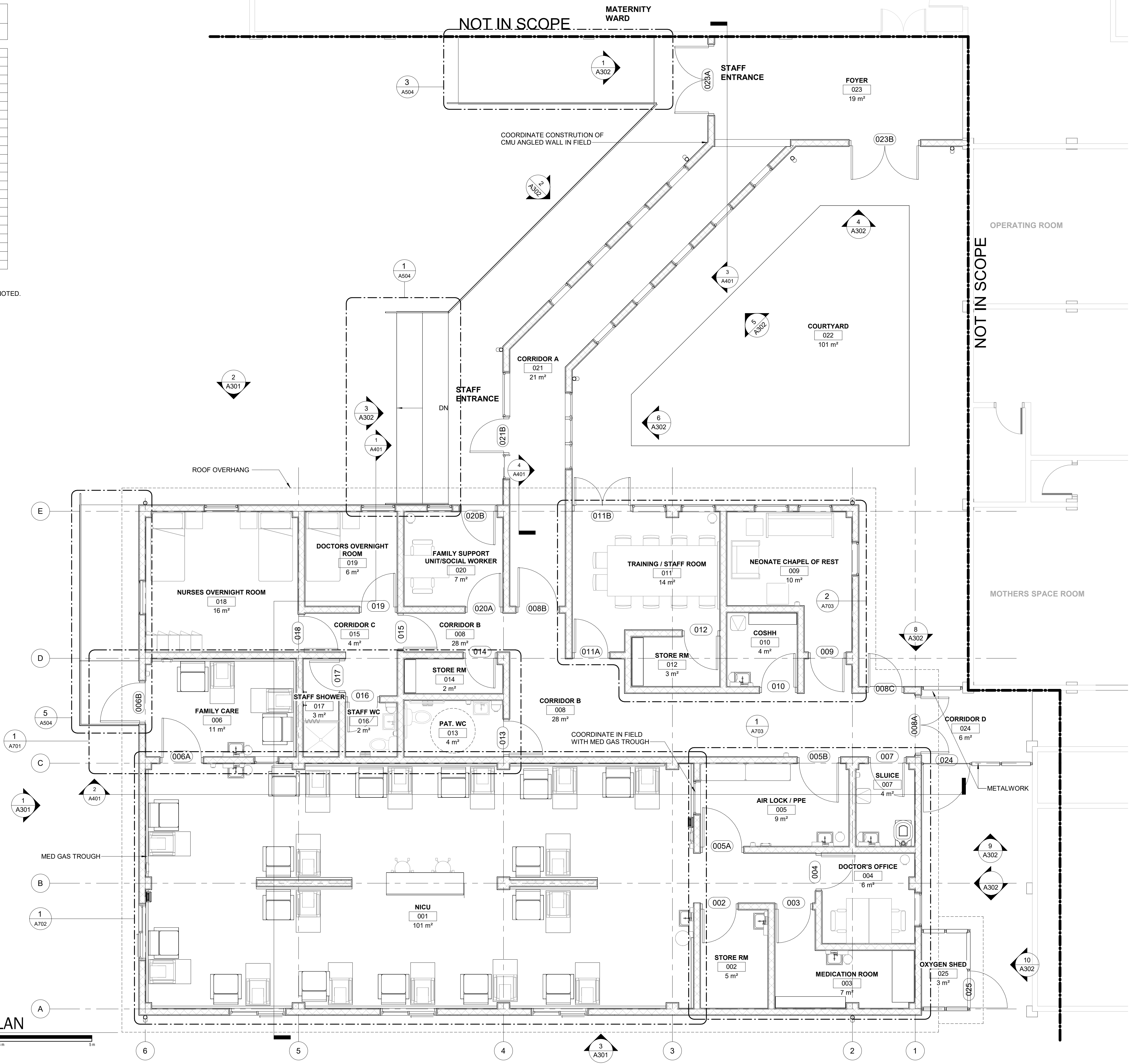
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 NICU EXTENSION

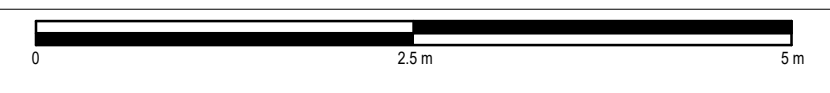
1 ROOF DEMO PLAN
 SCALE 1 : 50

ROOM SCHEDULE		
Rm #	Name	Area
001	NICU	101 m ²
002	STORE RM	5 m ²
003	MEDICATION ROOM	7 m ²
004	DOCTOR'S OFFICE	6 m ²
005	AIR LOCK / PPE	9 m ²
006	FAMILY CARE	11 m ²
007	SLUICE	4 m ²
008	CORRIDOR B	28 m ²
009	NEONATE CHAPEL OF REST	10 m ²
010	COSHH	4 m ²
011	TRAINING / STAFF ROOM	14 m ²
012	STORE RM	3 m ²
013	PAT. WC	4 m ²
014	STORE RM	2 m ²
015	CORRIDOR C	4 m ²
016	STAFF WC	2 m ²
017	STAFF SHOWER	3 m ²
018	NURSES OVERNIGHT ROOM	16 m ²
019	DOCTORS OVERNIGHT ROOM	6 m ²
020	FAMILY SUPPORT UNIT/SOCIAL WORKER	7 m ²
021	CORRIDOR A	21 m ²
022	COURTYARD	101 m ²
023	FOYER	19 m ²
024	CORRIDOR D	6 m ²
025	OXYGEN SHED	3 m ²

GENERAL NOTES:
1. ALL FLOORS TO BE EPOXY RESIN UNLESS OTHERWISE NOTED.



1 KEYS & NOTES FLOOR PLAN
SCALE 1 : 50



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KEY PLAN

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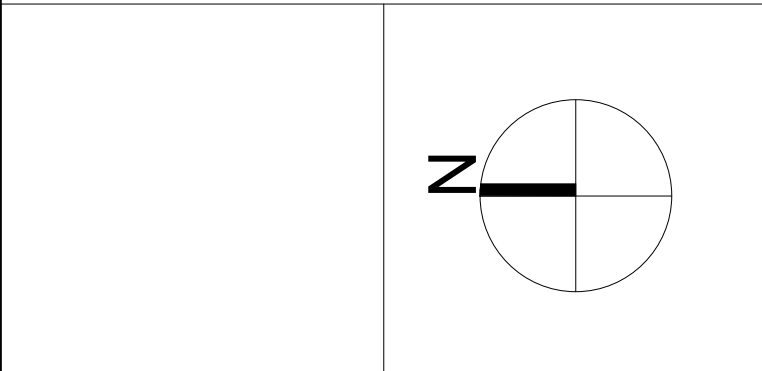
OWNER

NICU EXTENSION
HCBH HOSPITAL, QUARTIER MORIN, HAITI

PROJECT

KEYS & NOTES FLOOR PLAN

DRAWING TITLE



SCALE 1 : 50 DATE 06/16/2022

JOB NUMBER 64-001

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A101

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THE ORIGINAL OF THIS DRAWING IS 24" X 36". IF THIS COPY IS ANY OTHER SIZE, IT HAS EITHER BEEN REDUCED OR ENLARGED. TAKE APPROPRIATE PRECAUTIONS ACCORDINGLY.

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NICU EXTENSION

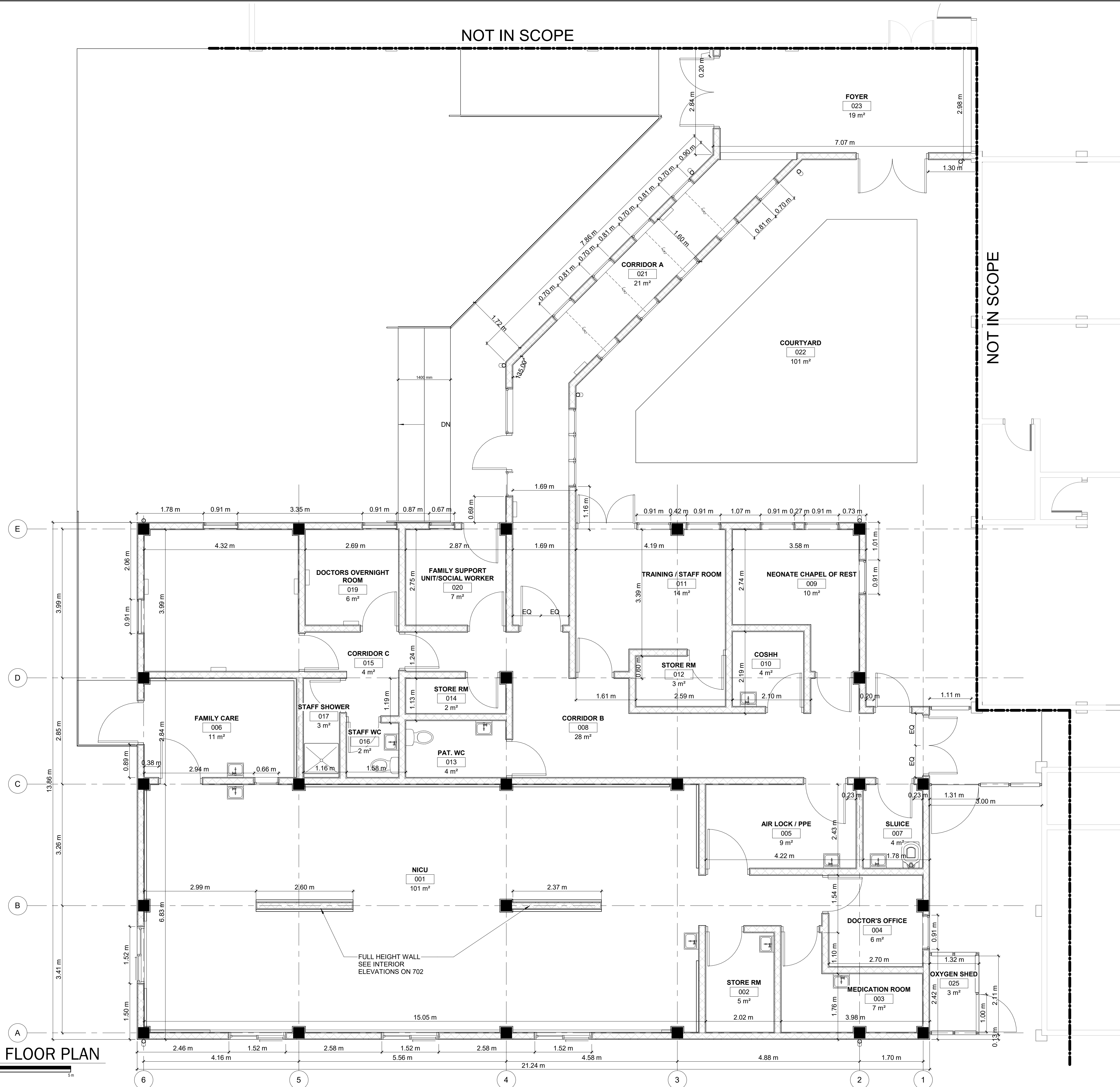
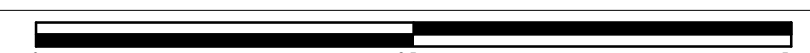
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Admin\Doc\05\001-HHA-ME64-001_HHA-ME64-001_NCU_A_2022.rvt

NCU EXTENSION

GENERAL NOTES
1. ALL PLUMBING FIXTURES DIMENSIONED IN THE A700 SERIES.

1 DIMENSIONS & PARTITIONS FLOOR PLAN

SCALE 1 : 50



NOT IN SCOPE

NOT IN SCOPE

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KEY PLAN

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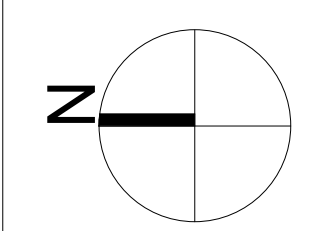
NICU EXTENSION

HCBH HOSPITAL, QUARTIER MORIN, HAITI

PROJECT

DIMENSIONS & PARTITIONS FLOOR PLAN

DRAWING TITLE



SCALE 1 : 50 DATE 06/16/2022

JOB NUMBER 64-001

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CONSTRUCTION DOCUMENTS

A102

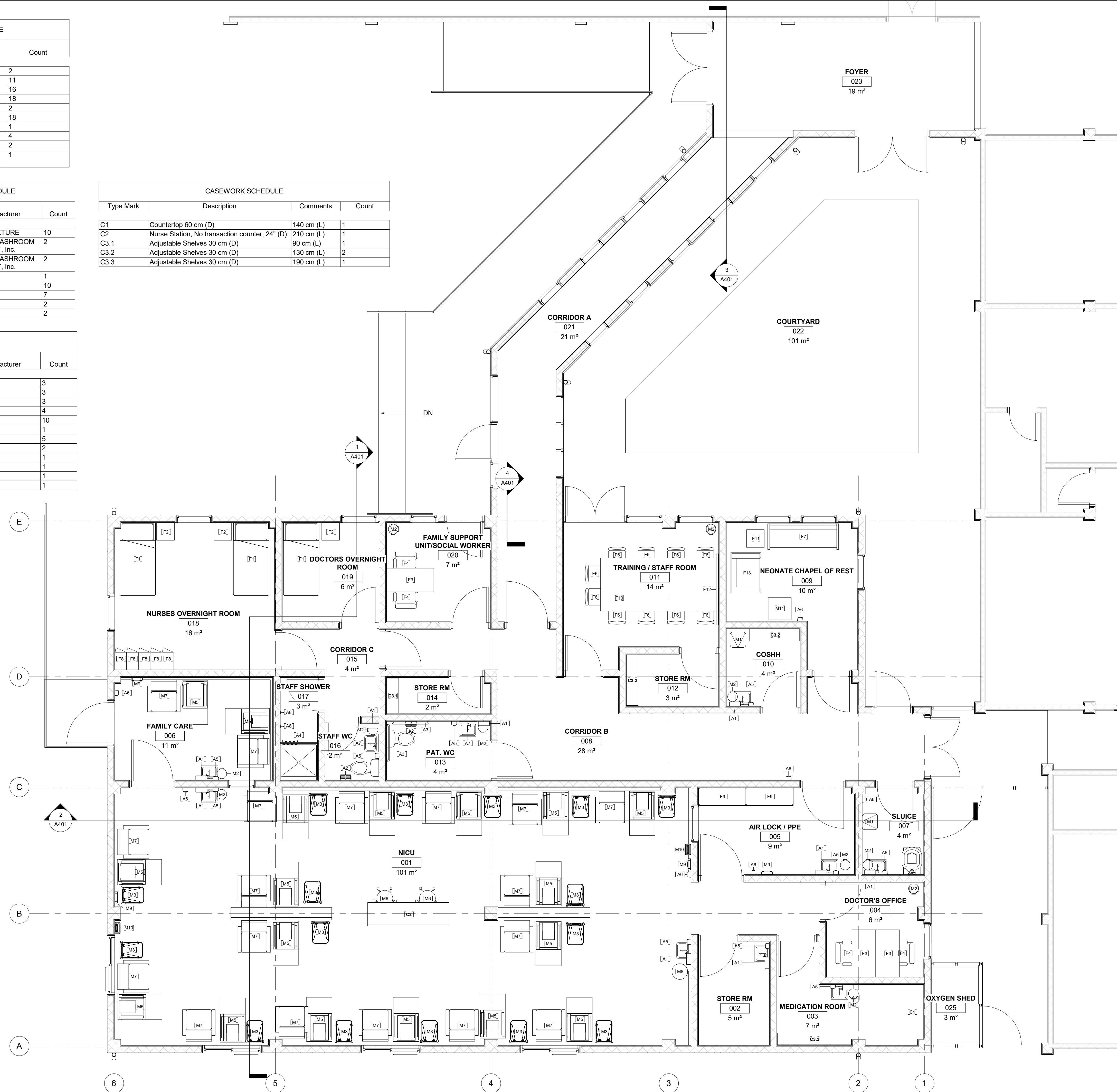
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MEDICAL EQUIPMENT SCHEDULE			
Type Mark	Name	Manufacturer	Count
M1	Biohazard Trash Bin		2
M2	Small Trash Bin		11
M3	Mayo Stand	Pedigo Products, Inc.	16
M5	Baby Warmer	GE MEDICAL	18
M6	Stool	Nemschoff, Inc.	2
M7	Breastfeeding Recliner		18
M8	Medium Trash Bin		1
M9	<varies>		4
M10	Sharps Container		2
M11	Floor Mounted Drawer Refrigerator		1
Grand total: 75			

BATHROOM ACCESSORIES SCHEDULE			
Type Mark	Name	Manufacturer	Count
A1	<varies>	PALMER FIXTURE	10
A2	Toilet Paper Holder	BOBRICK WASHROOM EQUIPMENT, Inc.	2
A3	Toilet Grab Bar	BOBRICK WASHROOM EQUIPMENT, Inc.	2
A4	Shower Curtain		1
A5	<varies>		10
A6	Hand Sanitizer Dispenser		7
A7	Mirror 18" x 24"		2
A8	Coat Hook		2
Grand total: 36			

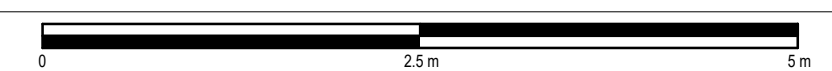
FURNITURE SCHEDULE			
Type Mark	Name	Manufacturer	Count
F1	Single Bed		3
F2	Night Stand		3
F3	Desk 24" x 48"		3
F4	Task Chair w/ Arms		4
F6	Stackable Chair		10
F7	Couch 72"		1
F8	Lockers - 3 Doors		5
F9	Wire Shelving 18" x 48"		2
F10	Rectangle Table 120" x 54"		1
F11	Rectangle Table 18" x 18"		1
F12	Whiteboard 36" x 72"		1
F13	Lounge Chair		1
Grand total: 35			

CASEWORK SCHEDULE			
Type Mark	Description	Comments	Count
C1	Countertop 60 cm (D)	140 cm (L)	1
C2	Nurse Station, No transaction counter, 24" (D)	210 cm (L)	1
C3.1	Adjustable Shelves 30 cm (D)	90 cm (L)	1
C3.2	Adjustable Shelves 30 cm (D)	130 cm (L)	2
C3.3	Adjustable Shelves 30 cm (D)	190 cm (L)	1



EQUIPMENT PLAN

SCALE 1 : 50



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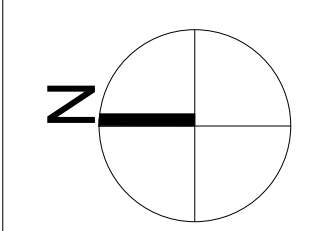
OWNER

NICU EXTENSION
 HCBH HOSPITAL, QUARTIER MORIN, HAITI

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EQUIPMENT PLAN & SCHEDULES

DRAWING TITLE



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JOB NUMBER	64-001		
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CONSTRUCTION DOCUMENTS			

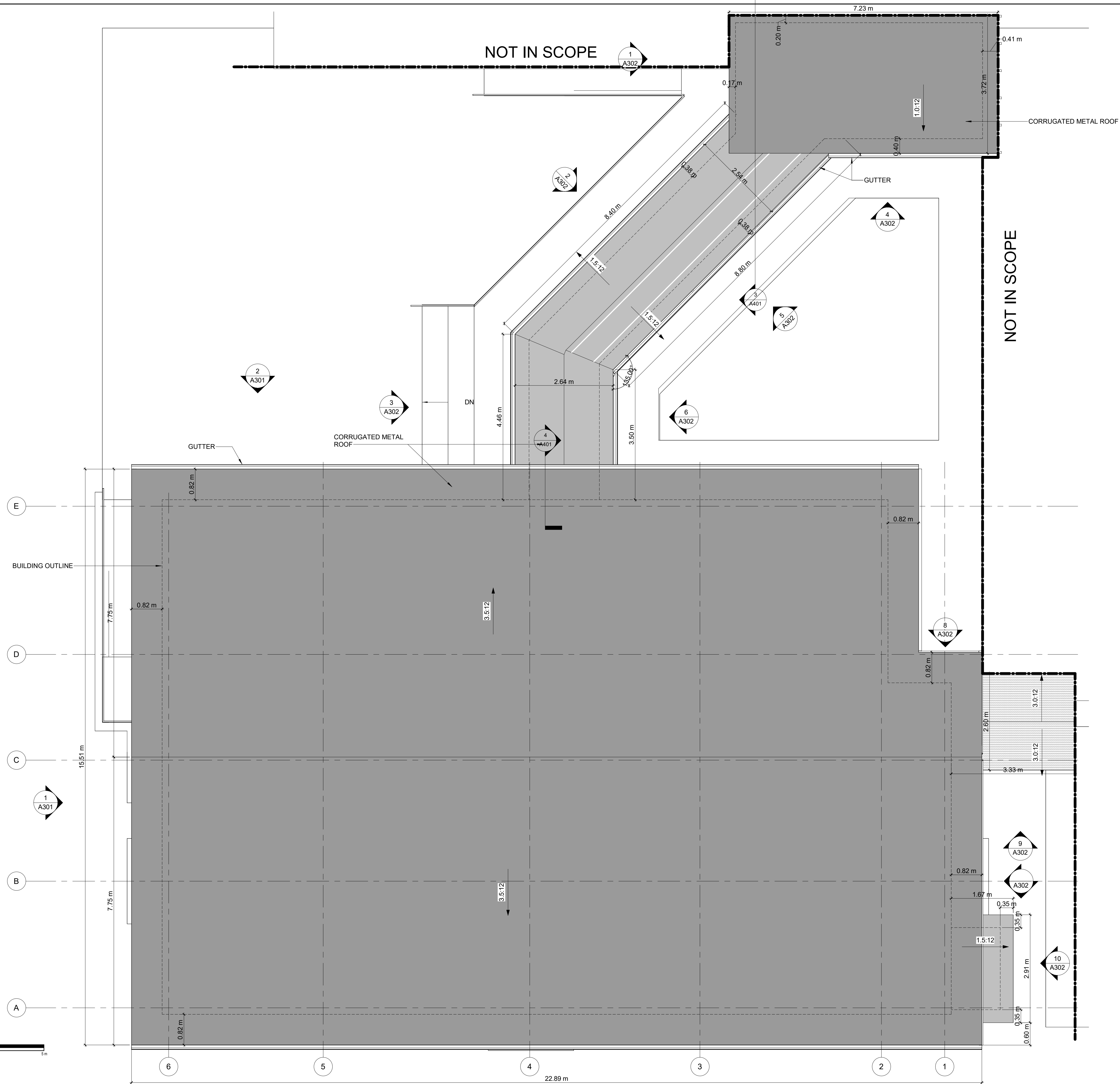
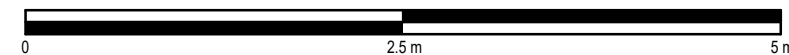
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 NICU EXTENSION

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 NICU EXTENSION

1 ROOF PLAN
 SCALE 1 : 50



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KEY PLAN

HOPE HEALTH ACTION

OWNER

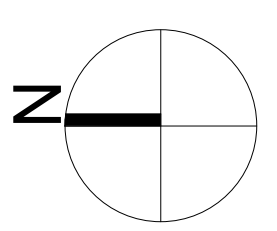
NICU EXTENSION

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ROOF PLAN

DRAWING TITLE



SCALE 1 : 50 DATE 06/16/2022

JOB NUMBER 64-001

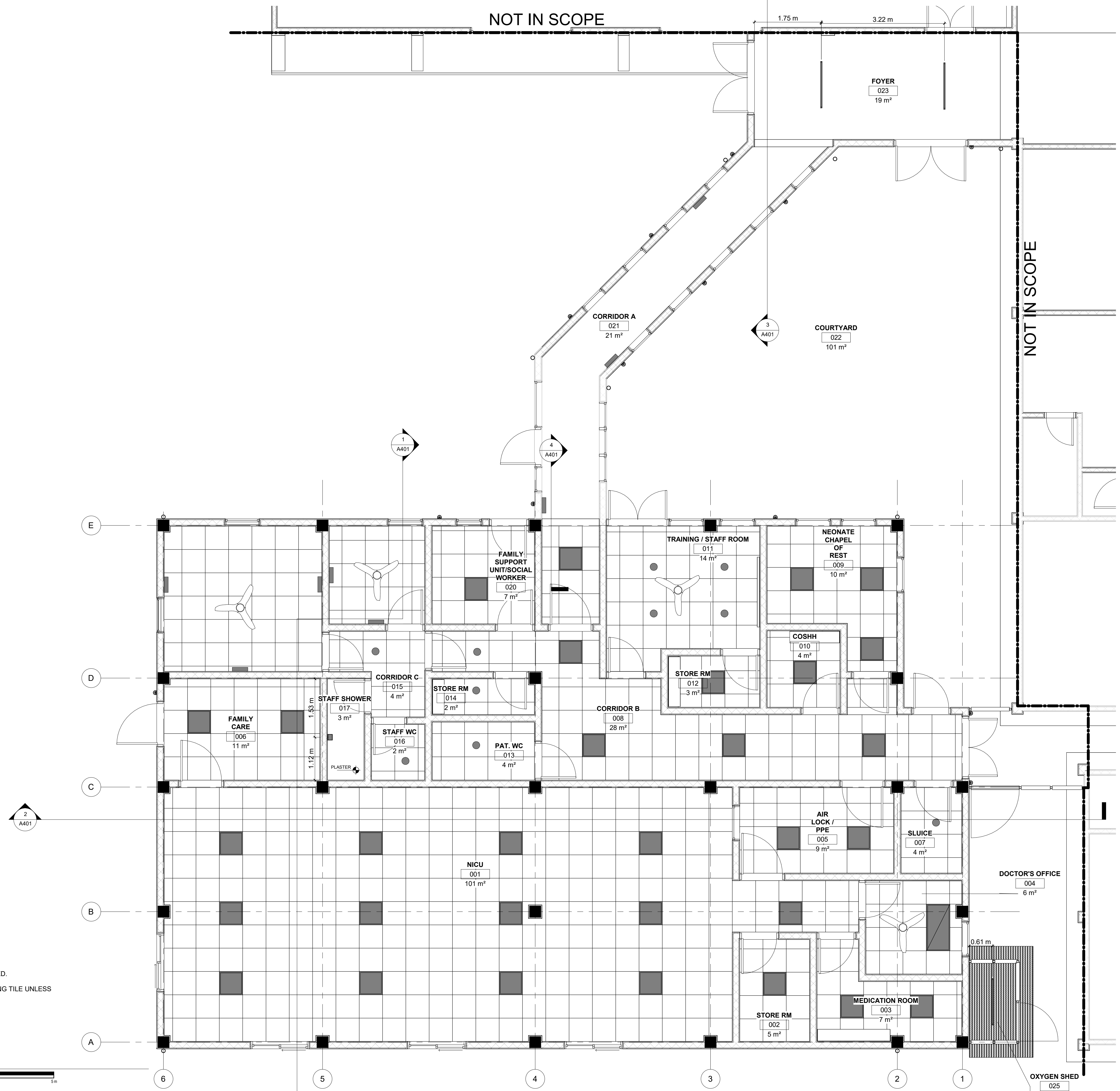
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CONSTRUCTION DOCUMENTS

A104

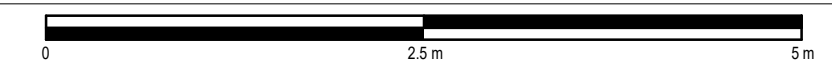
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GENERAL NOTES:
 1. ALL CEILINGS ARE 2' x 2' COMPOUND ACT, UNLESS OTHERWISE NOTED.
 2. ALL CEILINGS ARE 2.74 M HIGH, UNLESS OTHERWISE NOTED.
 3. ALL DOWNLIGHTS AND CEILING FANS CENTERED IN ACOUSTIC CEILING TILE UNLESS OTHERWISE NOTED.

1 REFLECTED CEILING PLAN
SCALE 1 : 50



NO.	DATE	DESCRIPTION
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KEY PLAN

HOPE HEALTH ACTION

OWNER

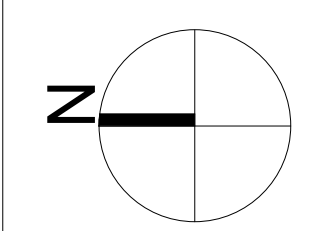
NICU EXTENSION

HCBH HOSPITAL, QUARTIER MORIN, HAITI

PROJECT

REFLECTED CEILING PLAN

DRAWING TITLE



SCALE 1 : 50 DATE 06/16/2022

JOB NUMBER 64-001

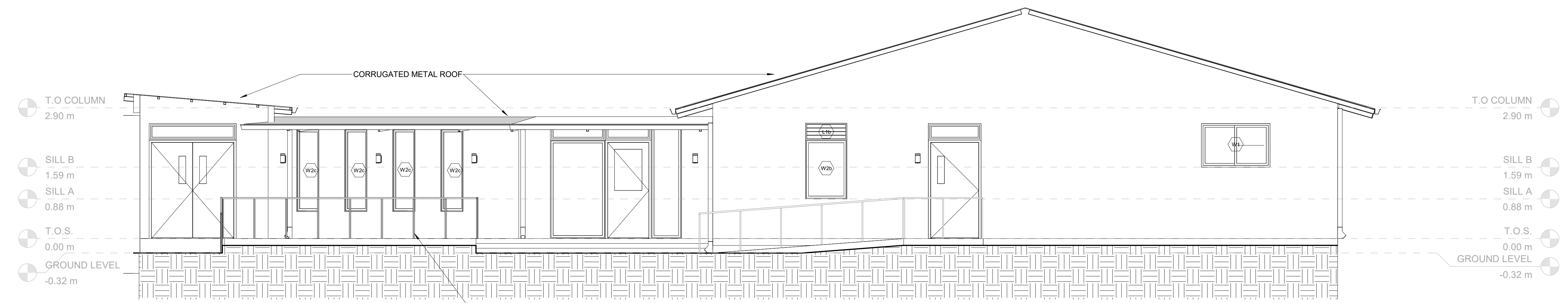
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CONSTRUCTION DOCUMENTS

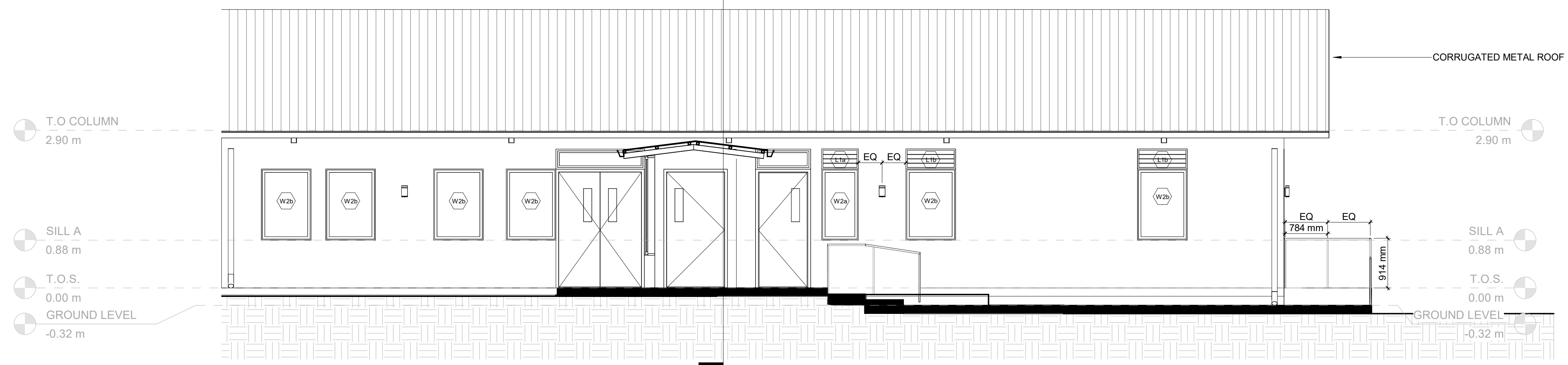
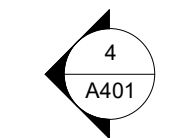
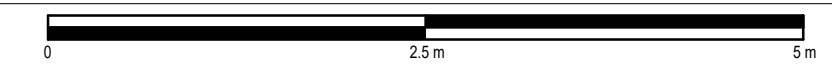
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DRAWING NUMBER

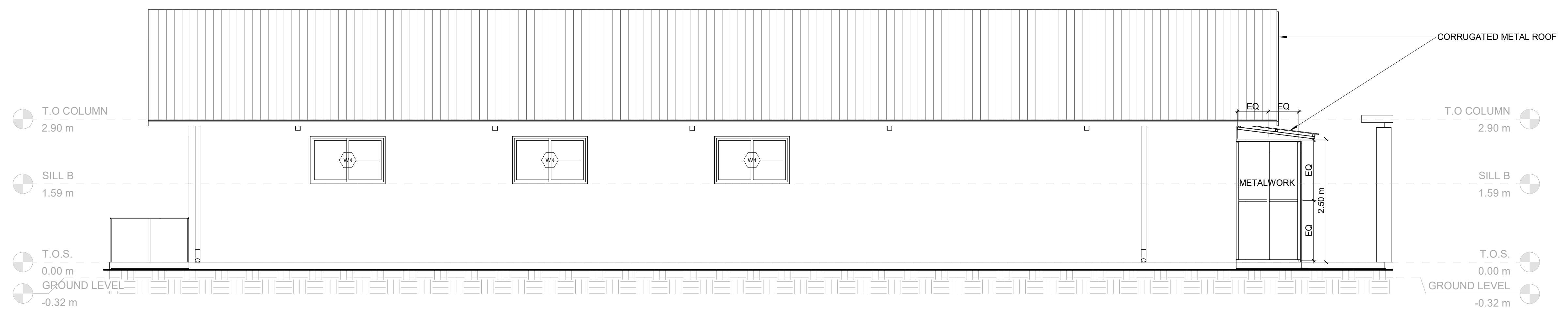
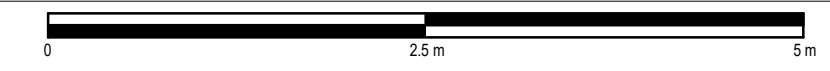
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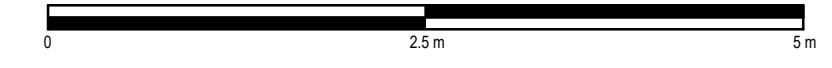
1 NORTH ELEVATION
SCALE 1 : 50



2 EAST ELEVATION
SCALE 1 : 50



3 WEST ELEVATION
SCALE 1 : 50



MATERIAL LEGEND

	RENDERING WITH WHITE PIGMENT
--	------------------------------

GENERAL NOTES:
1. BALUSTERS SPACED EQUALLY BETWEEN CORNER AND END POSTS.

NO.	DATE	DESCRIPTION
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KEY PLAN

HOPE HEALTH ACTION

OWNER

NICU EXTENSION
HCBH HOSPITAL, QUARTIER MORIN, HAITI

PROJECT

EXTERIOR ELEVATIONS

DRAWING TITLE

SCALE As indicated DATE 06/16/2022

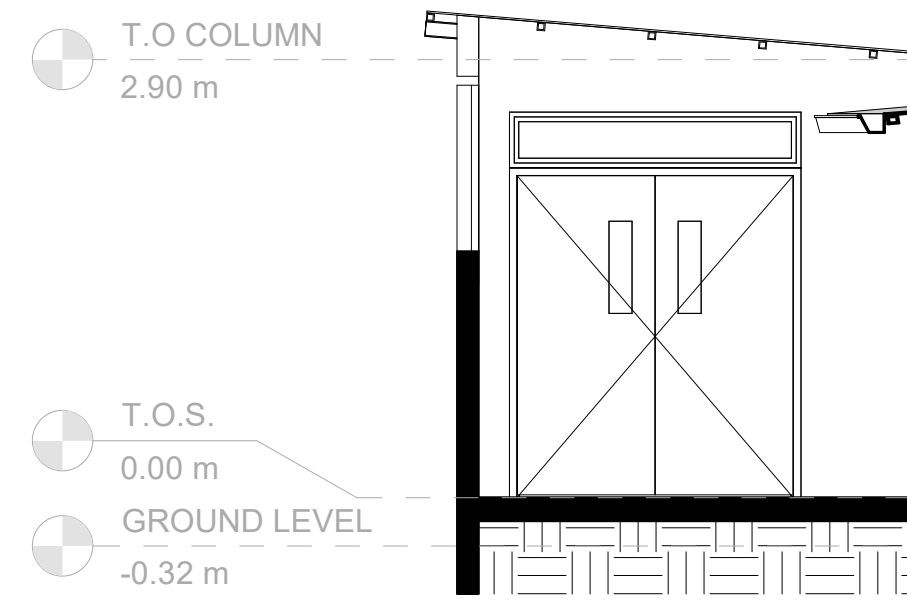
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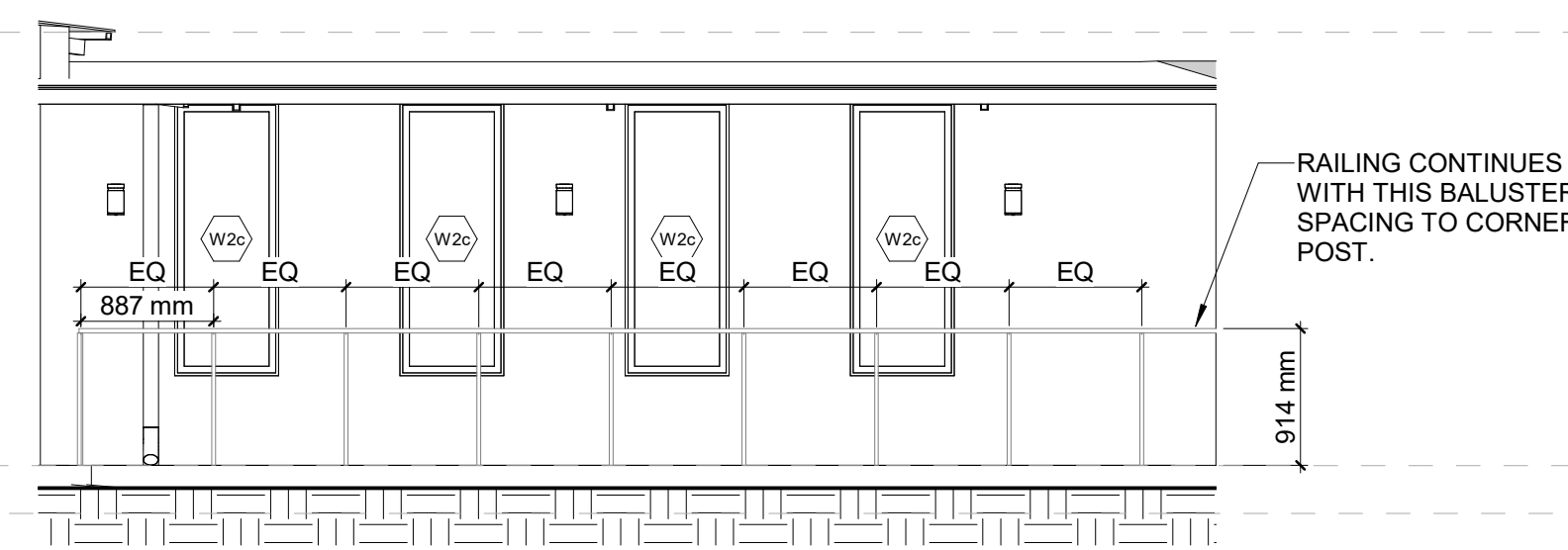
CONSTRUCTION DOCUMENTS

A301

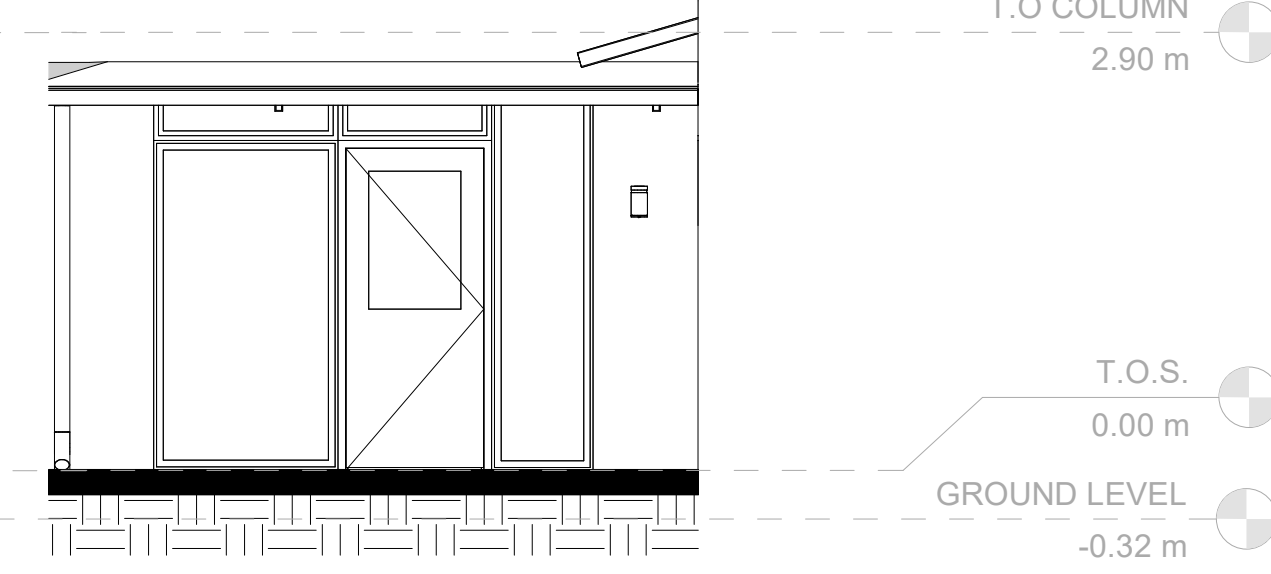
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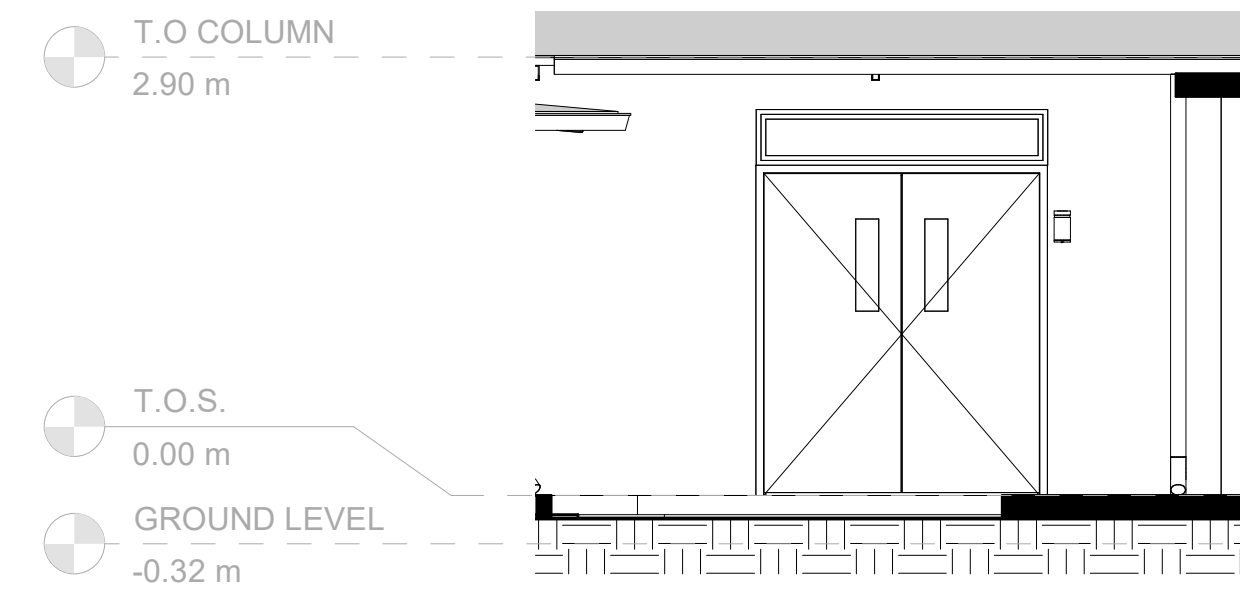
1 STAFF ENTRANCE TO FOYER - NORTH
SCALE 1 : 50



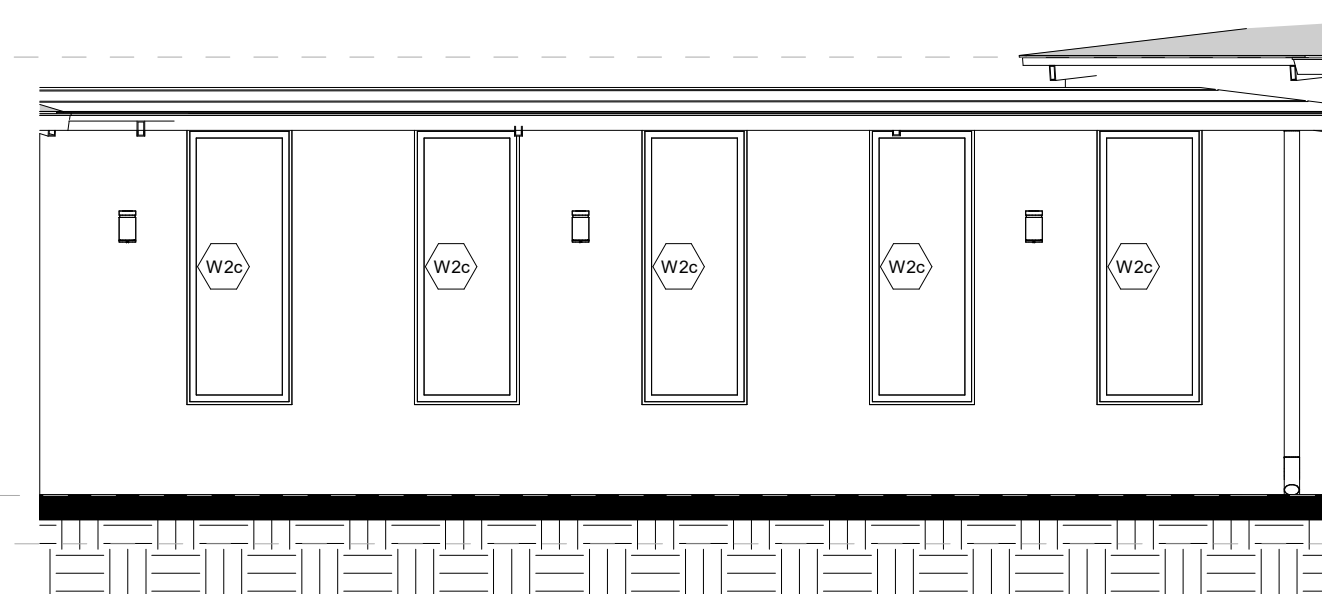
2 CORRIDOR A - NORTHWEST
SCALE 1 : 50



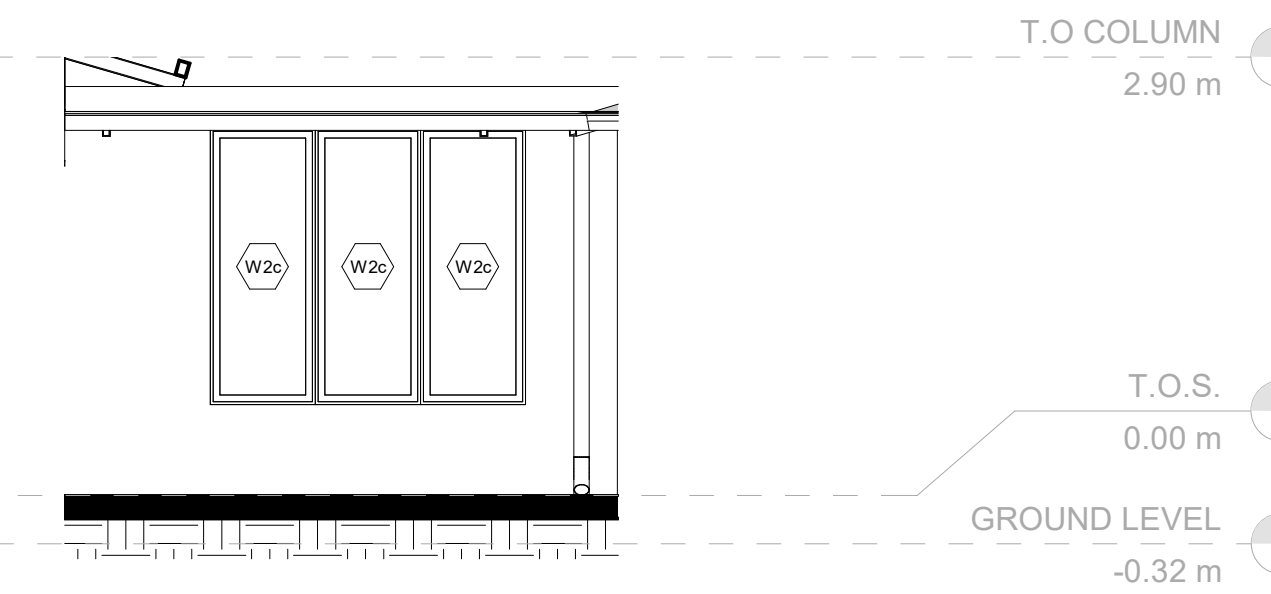
3 STAFF ENTRANCE TO CORRIDOR A - NORTH
SCALE 1 : 50



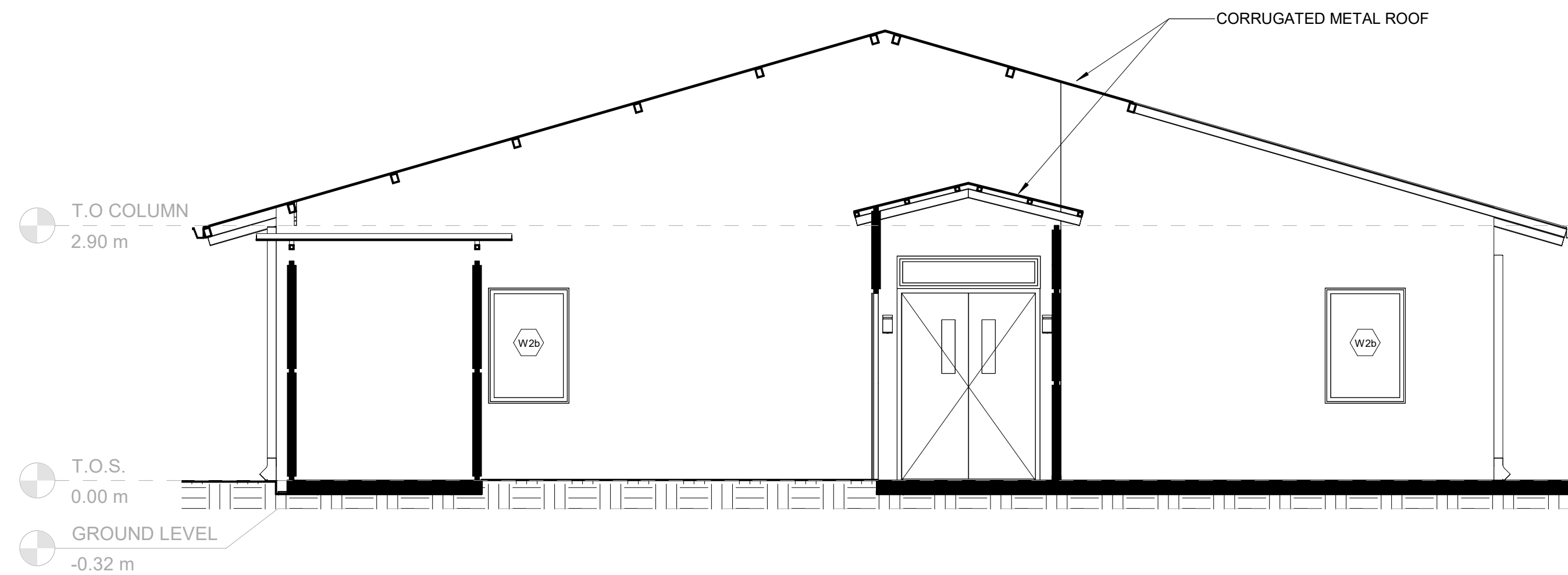
4 FOYER ENTRANCE TO COURTYARD - WEST
SCALE 1 : 50



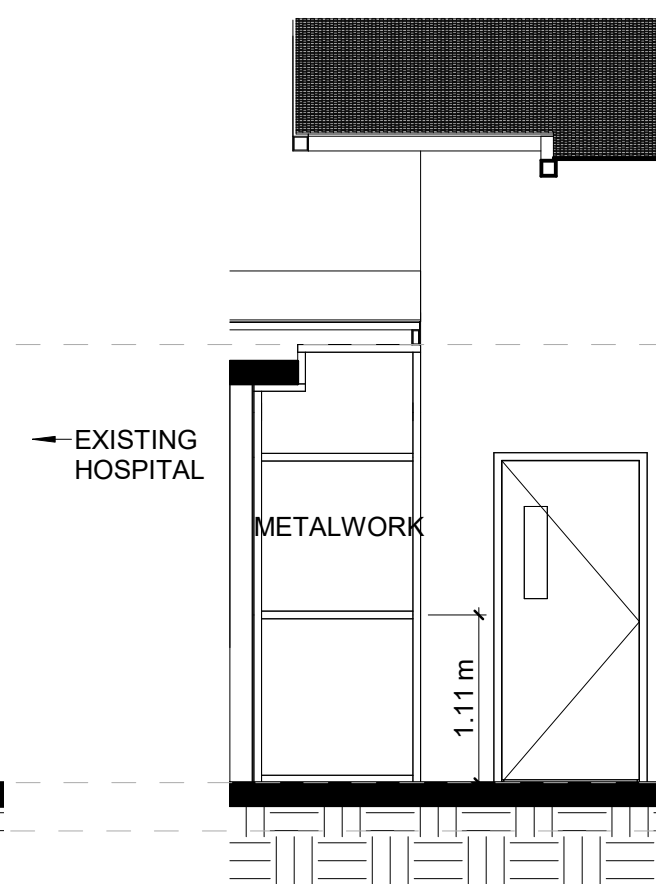
5 CORRIDOR A SOUTHEAST
SCALE 1 : 50



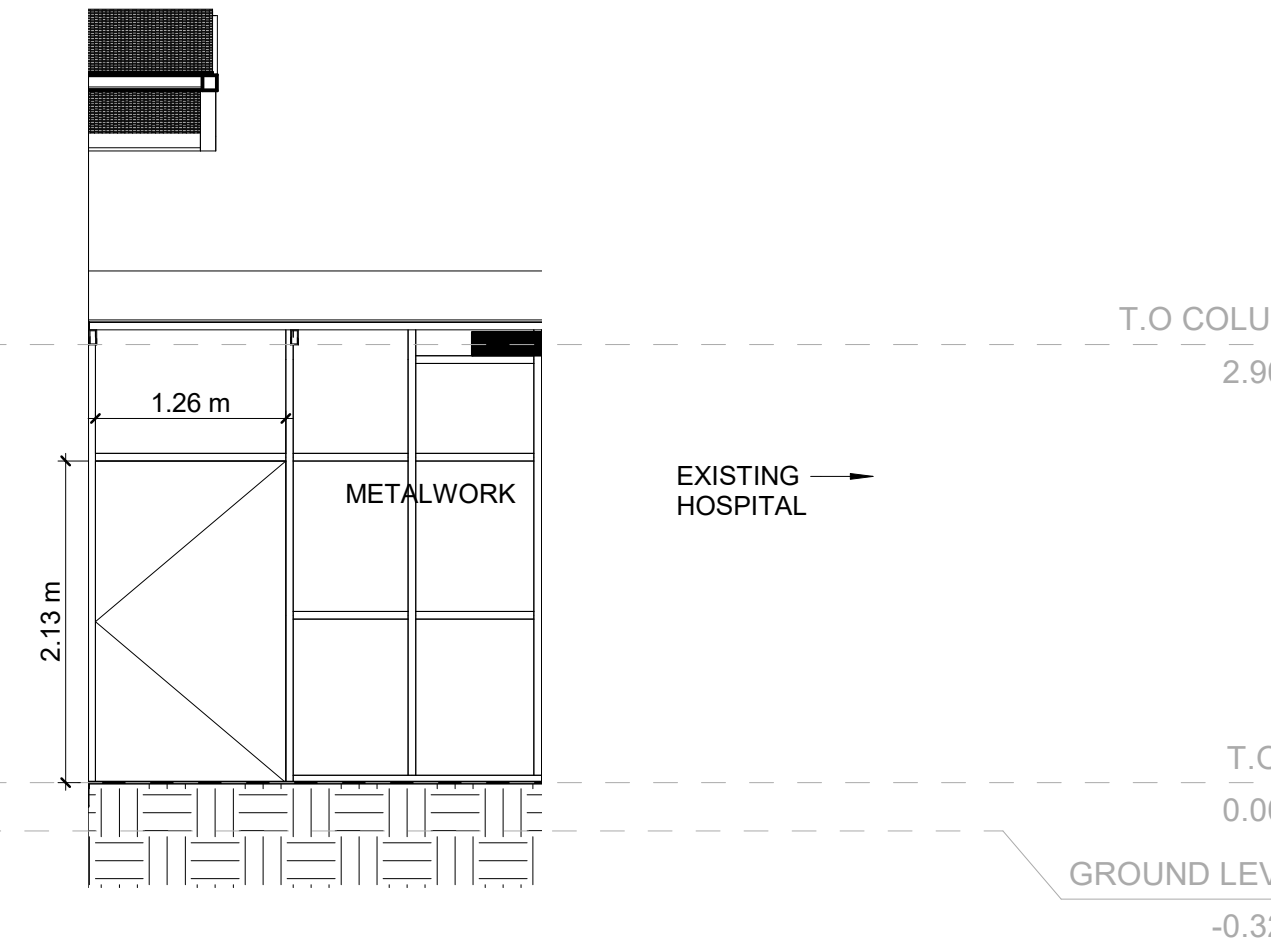
6 CORRIDOR A - SOUTH
SCALE 1 : 50



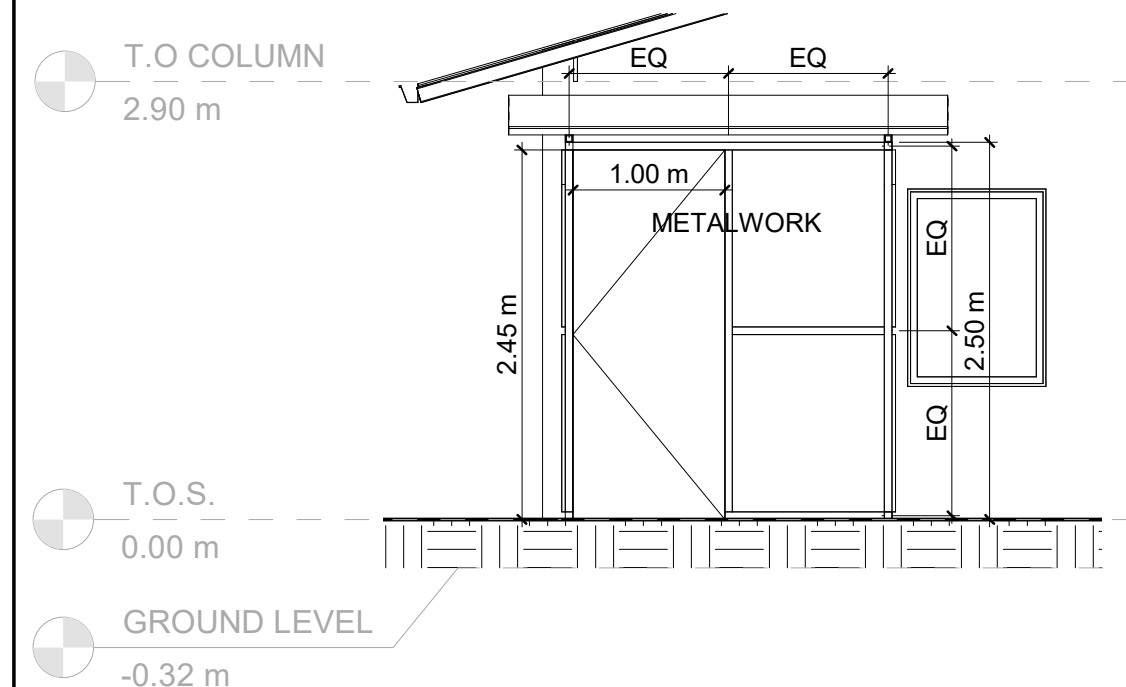
7 SOUTH ELEVATION
SCALE 1 : 50



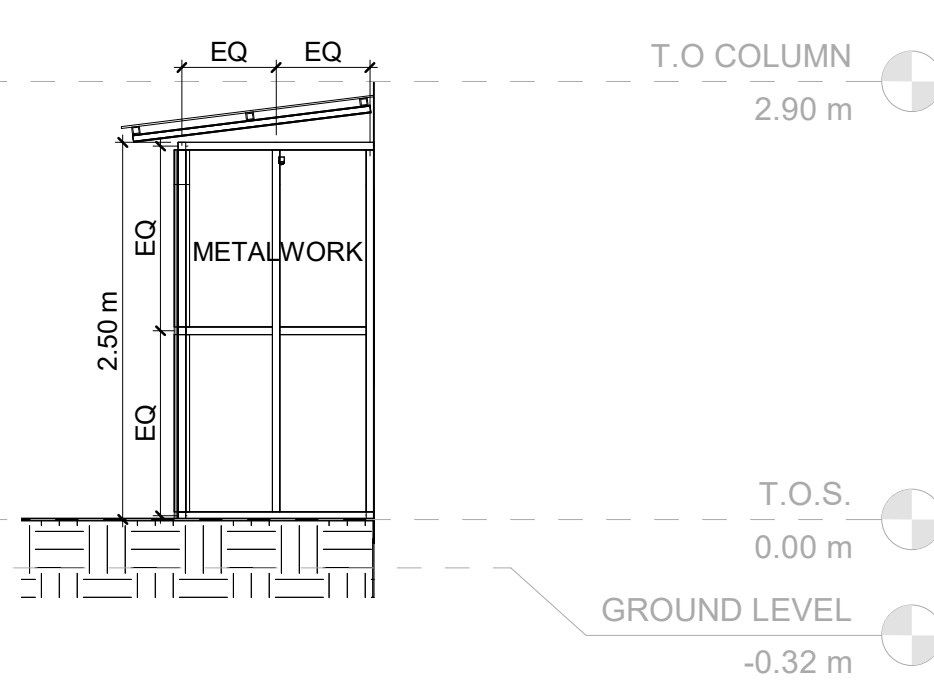
8 CORRIDOR D - EAST
SCALE 1 : 50



9 CORRIDOR D - WEST
SCALE 1 : 50



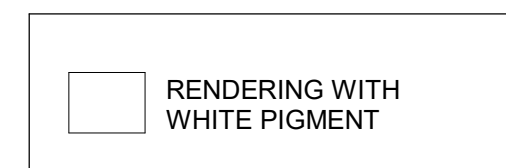
10 OXYGEN SHED - SOUTH
SCALE 1 : 50



11 OXYGEN SHED - EAST
SCALE 1 : 50

GENERAL NOTES:
1. BALUSTERS SPACED EQUALLY BETWEEN CORNER AND END POSTS.

MATERIAL LEGEND



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United Kingdom
Phone: +44 (0) 208 462 5266
hopehealthaction.org

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NO.	DATE	DESCRIPTION
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KEY PLAN

HOPE HEALTH ACTION

OWNER

NICU EXTENSION
HCBH HOSPITAL, QUARTIER MORIN, HAITI

PROJECT

EXTERIOR ELEVATIONS

DRAWING TITLE

SCALE As indicated DATE 06/16/2022

JOB NUMBER 64-001

DRAWN SH CHECKED GG

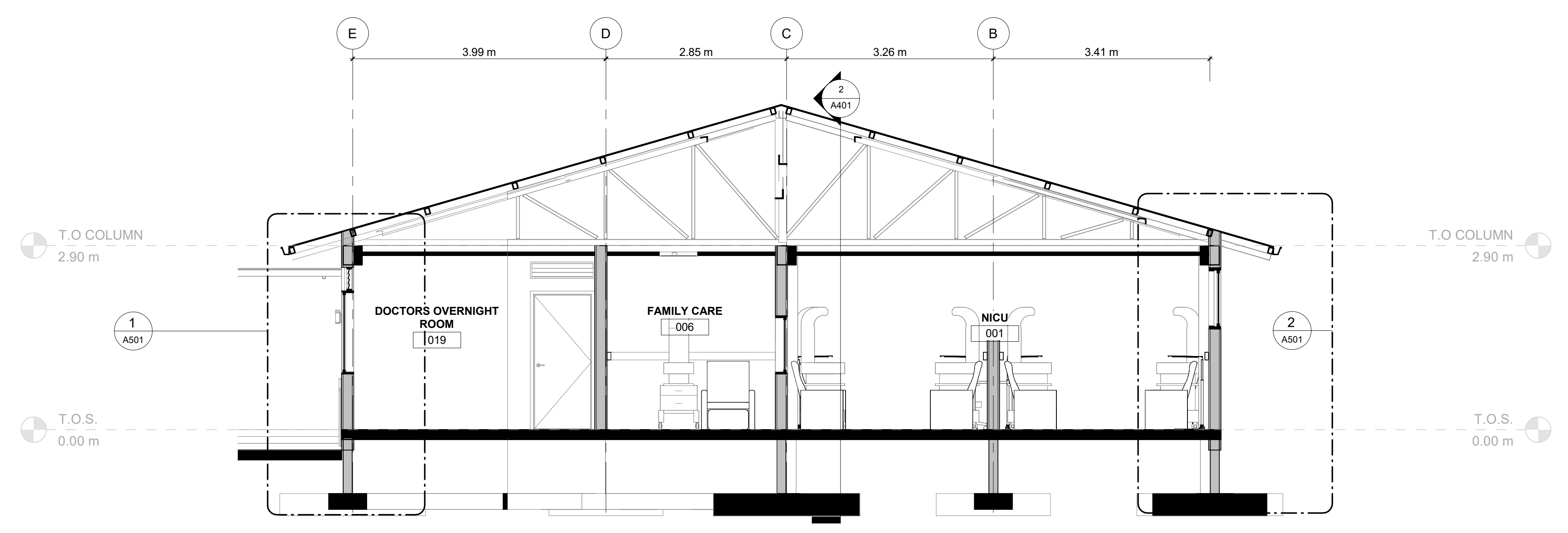
CONSTRUCTION DOCUMENTS

A302

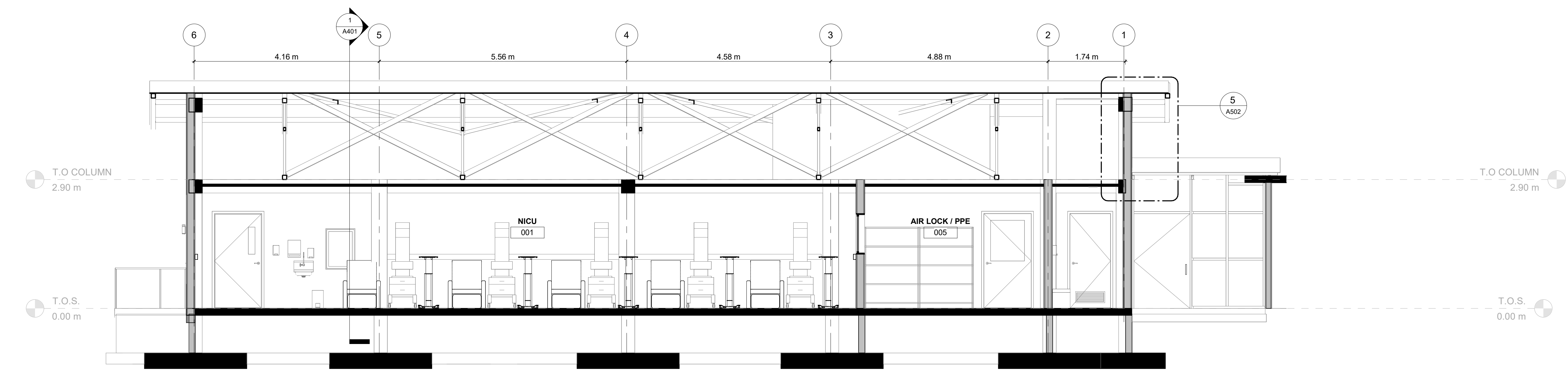
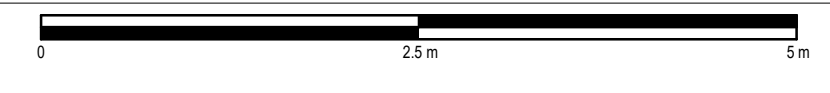
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NICU EXTENSION

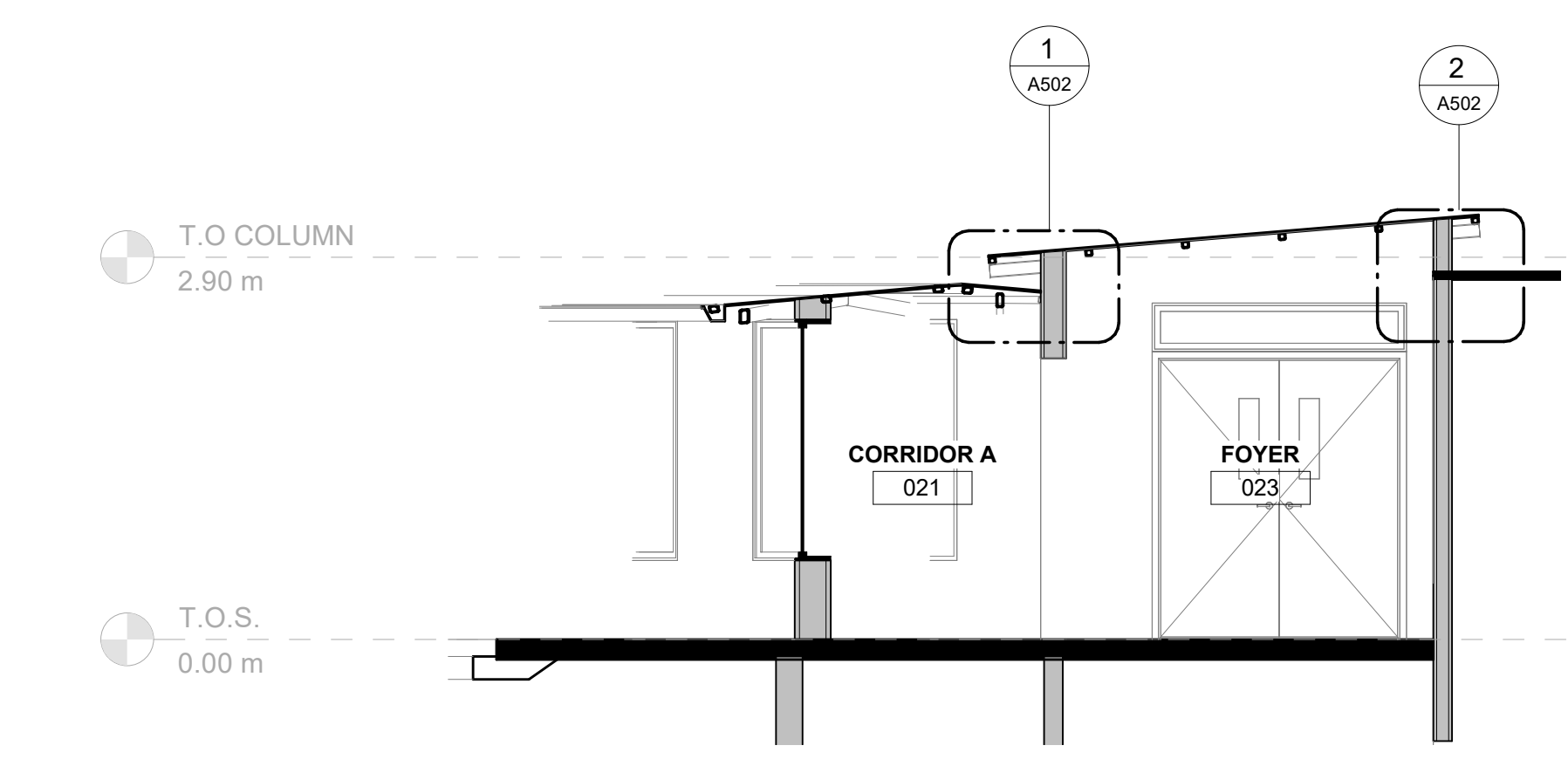
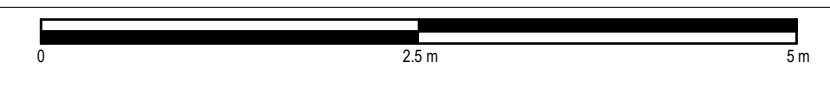
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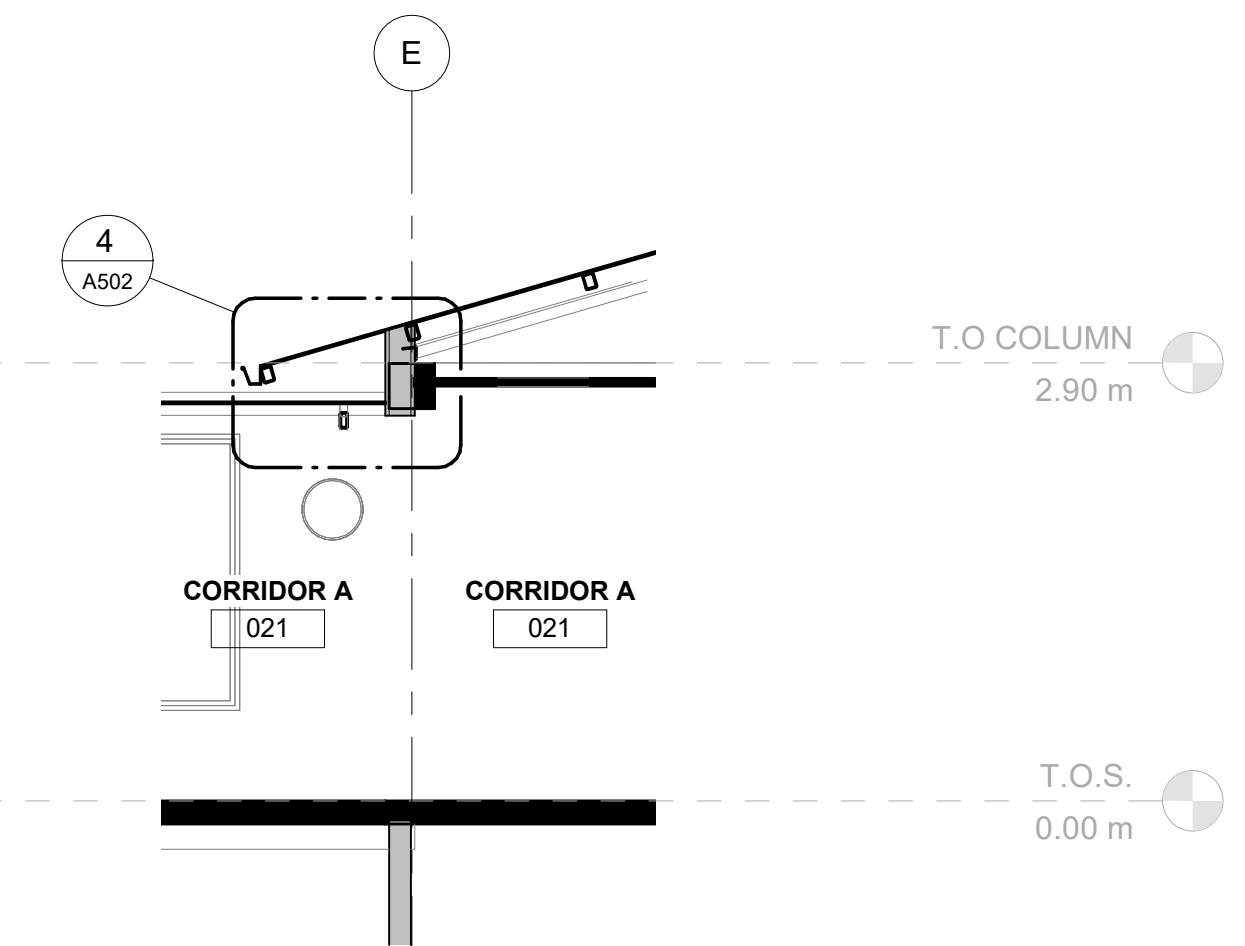
1 NICU NORTH - SOUTH
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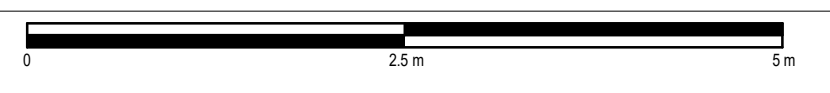
2 NICU EAST - WEST
SCALE 1 : 50



3 CORRIDOR INTERSECTION A
SCALE 1 : 50



4 CORRIDOR INTERSECTION B
SCALE 1 : 50



NO.	DATE	DESCRIPTION

KEY PLAN

HOPE HEALTH ACTION

OWNER

NICU EXTENSION
HCBH HOSPITAL, QUARTIER MORIN, HAITI

PROJECT

BUILDING SECTIONS

DRAWING TITLE

SCALE 1 : 50 DATE 11/21/2022

JOB NUMBER 64-001

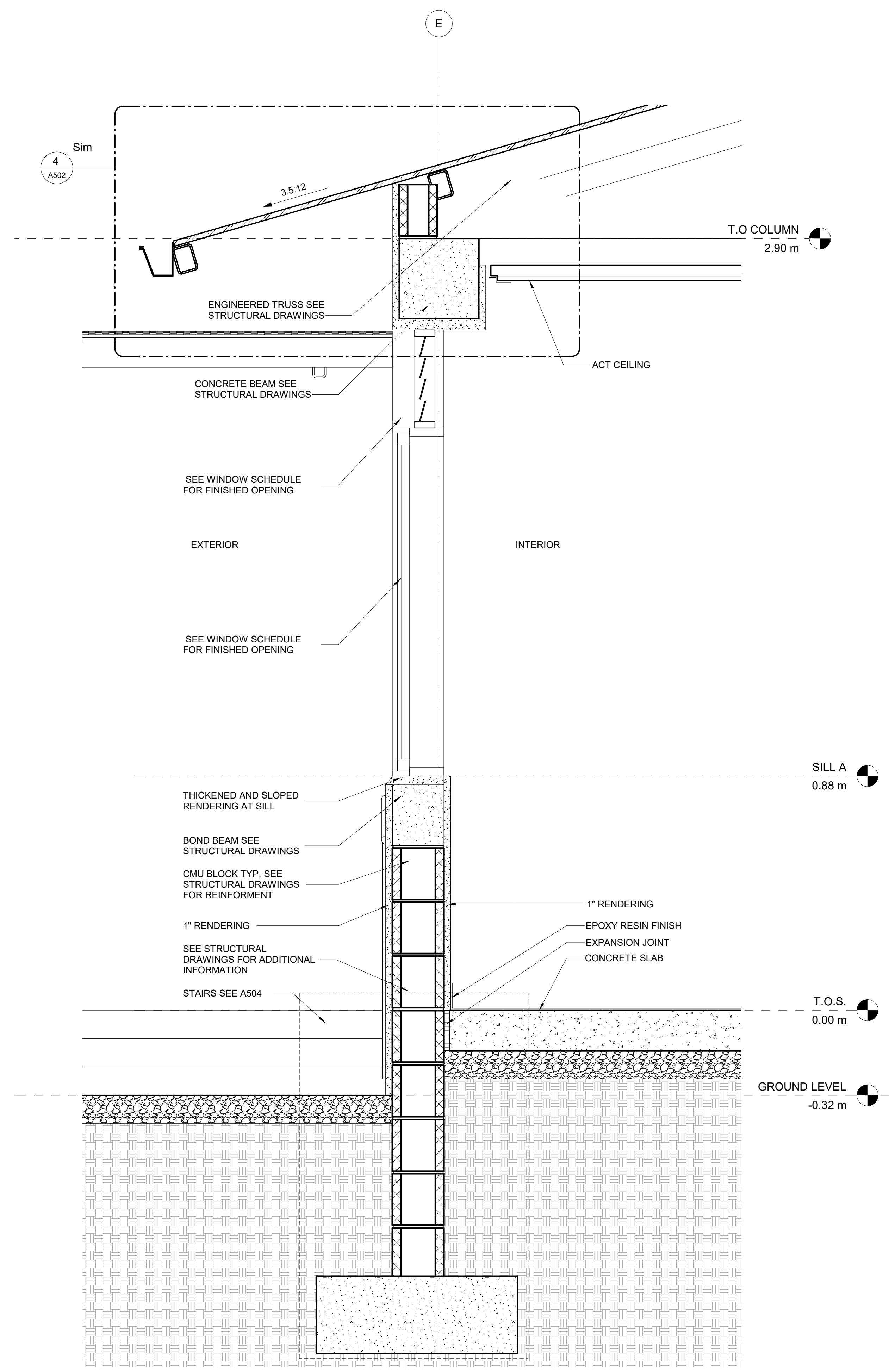
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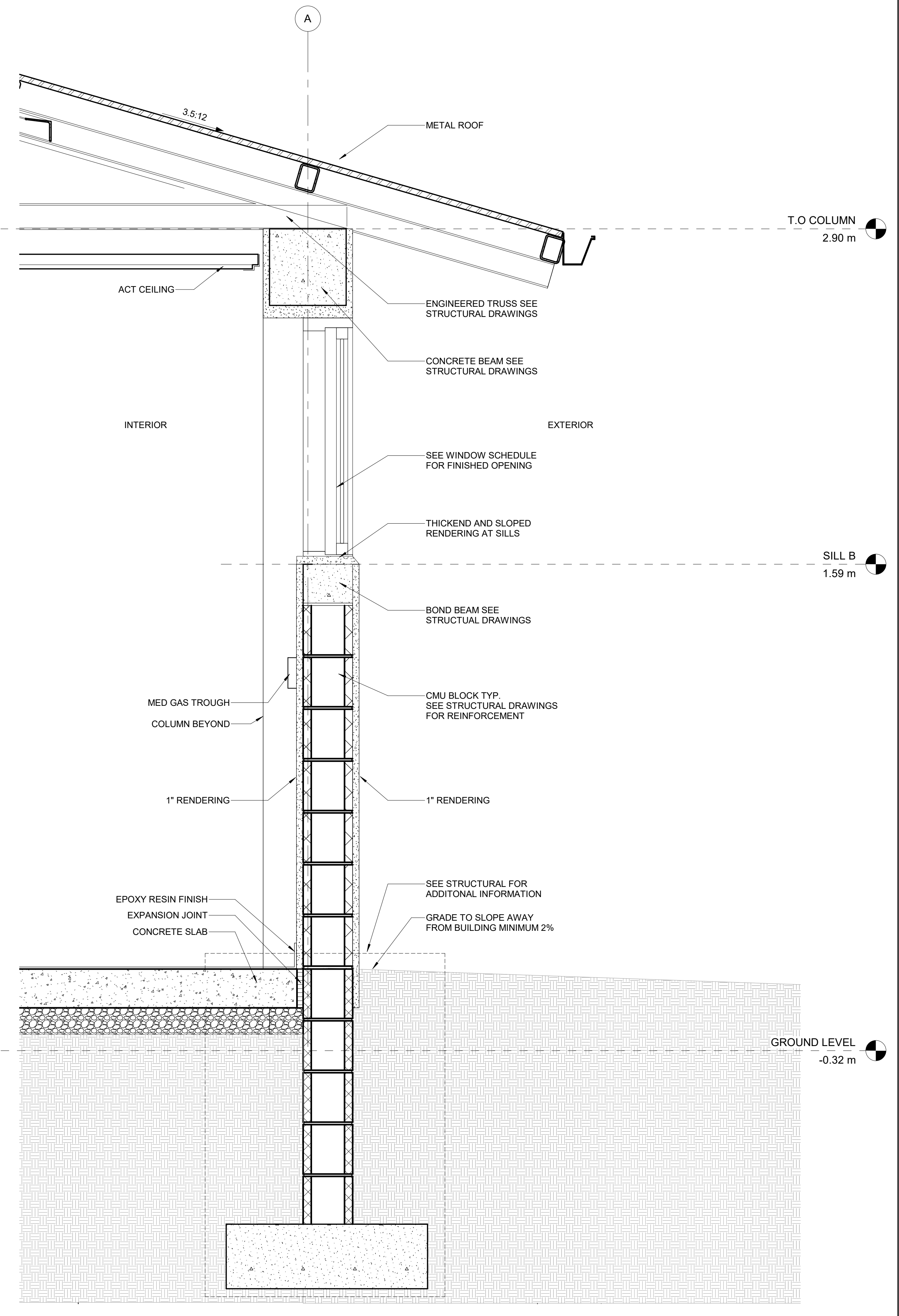
A401

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1 SECTION THRU WINDOW & LOUVER
 SCALE 1 : 10



2 SECTION THRU NICU WINDOW
 SCALE 1 : 10

NO.	DATE	DESCRIPTION

KEY PLAN

HOPE HEALTH ACTION

OWNER

NICU EXTENSION
 HCBH HOSPITAL, QUARTIER MORIN, HAITI

PROJECT

WALL DETAILS

DRAWING TITLE

SCALE 1 : 10 DATE 11/21/2022

JOB NUMBER 64-001

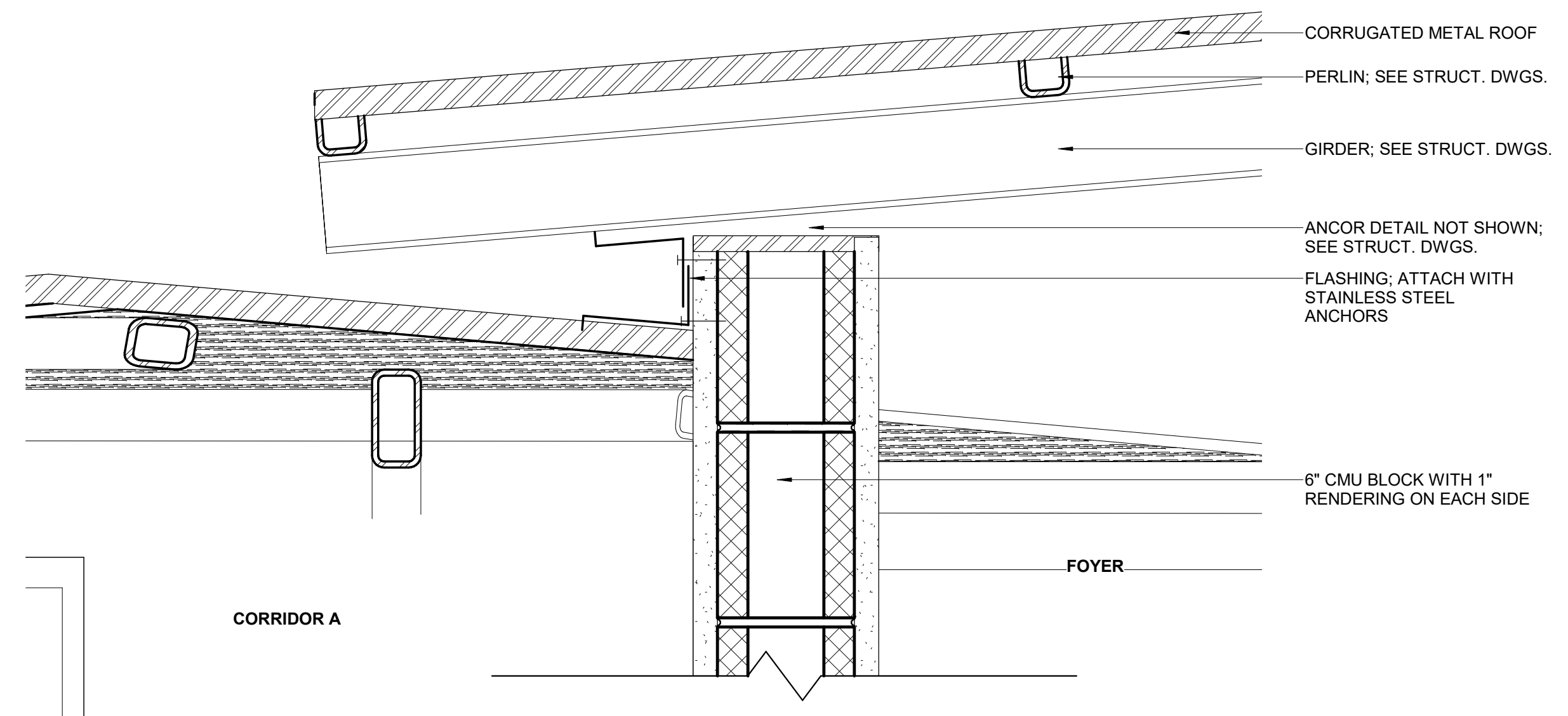
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CONSTRUCTION DOCUMENTS

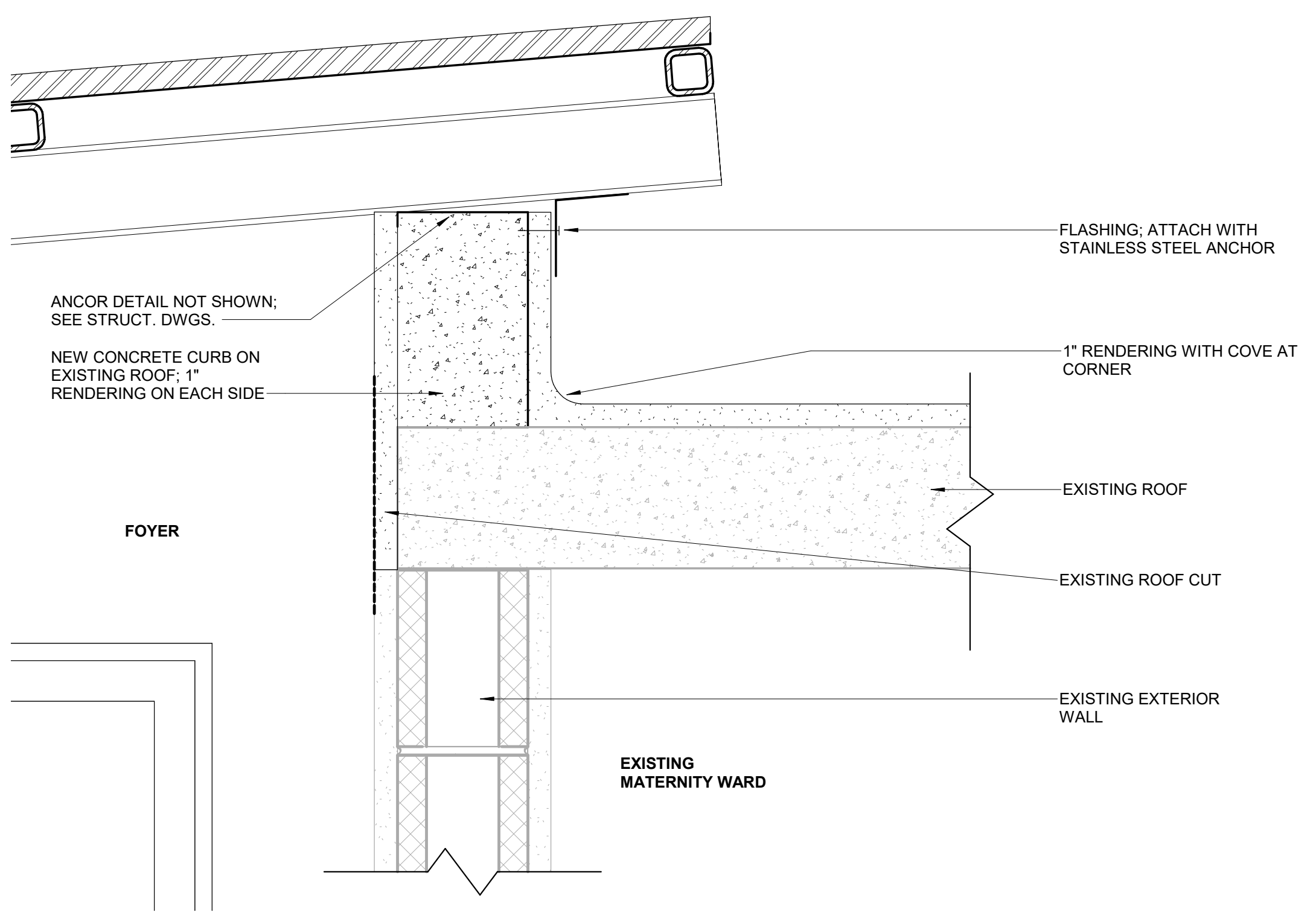
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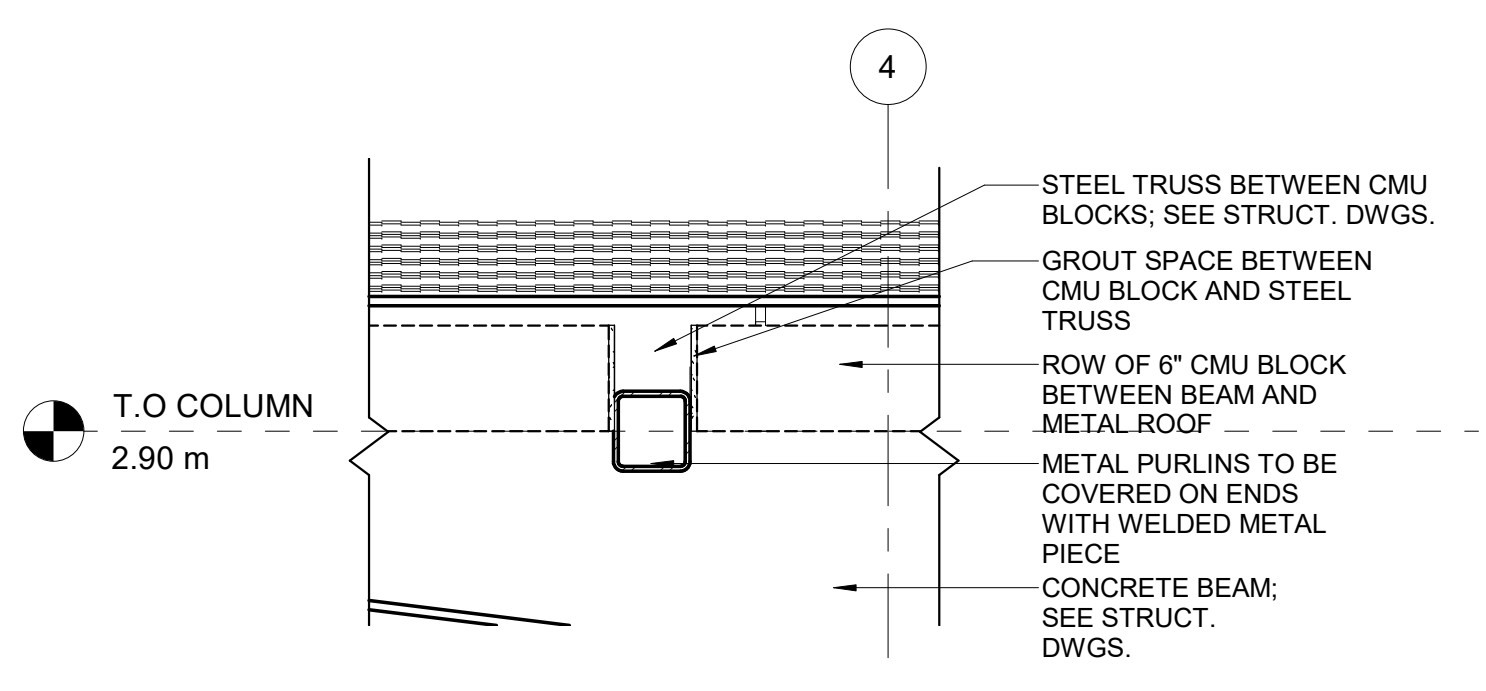
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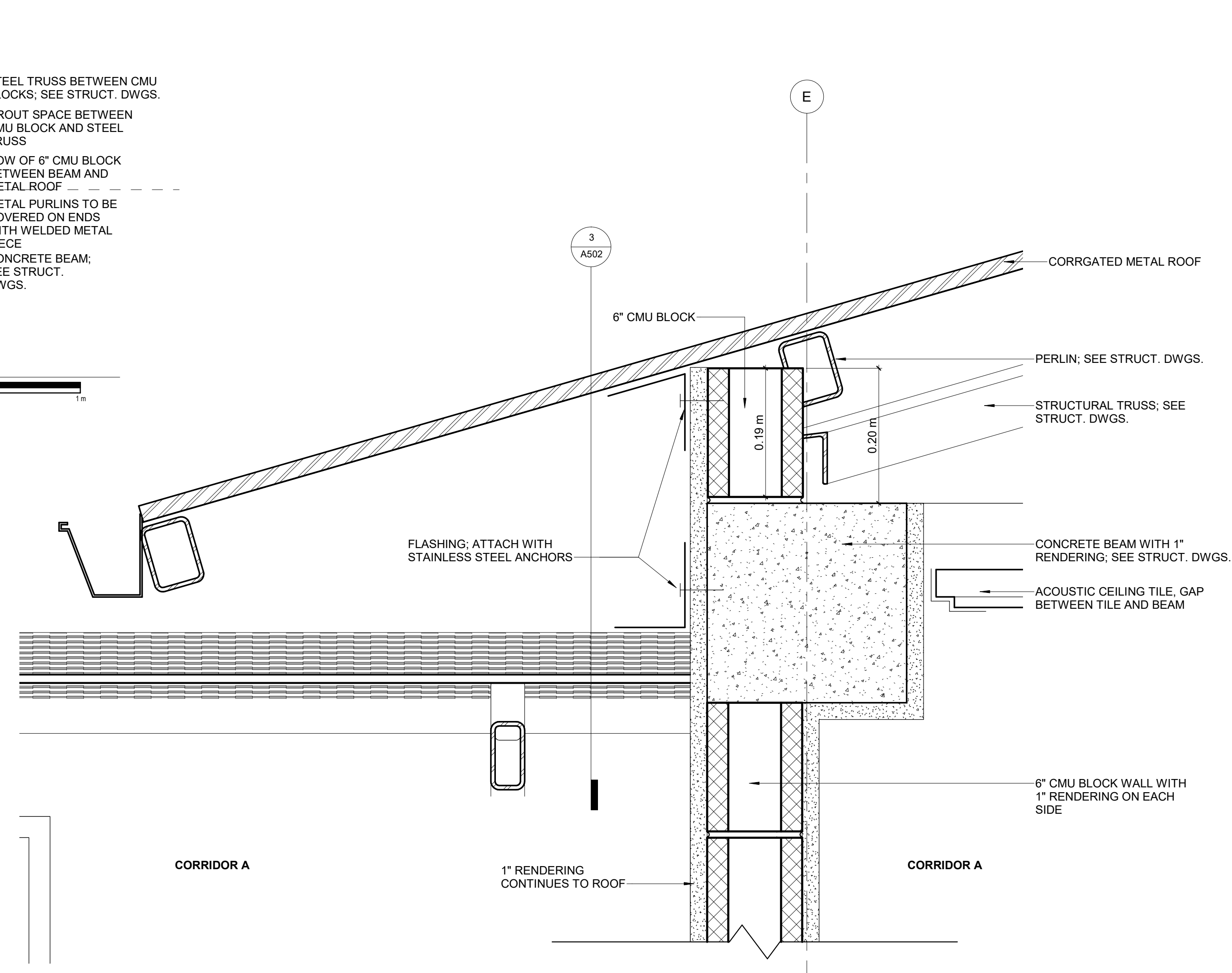
1 FLASHING DETAIL @ CORRIDOR ROOF 1
 SCALE 1 : 5



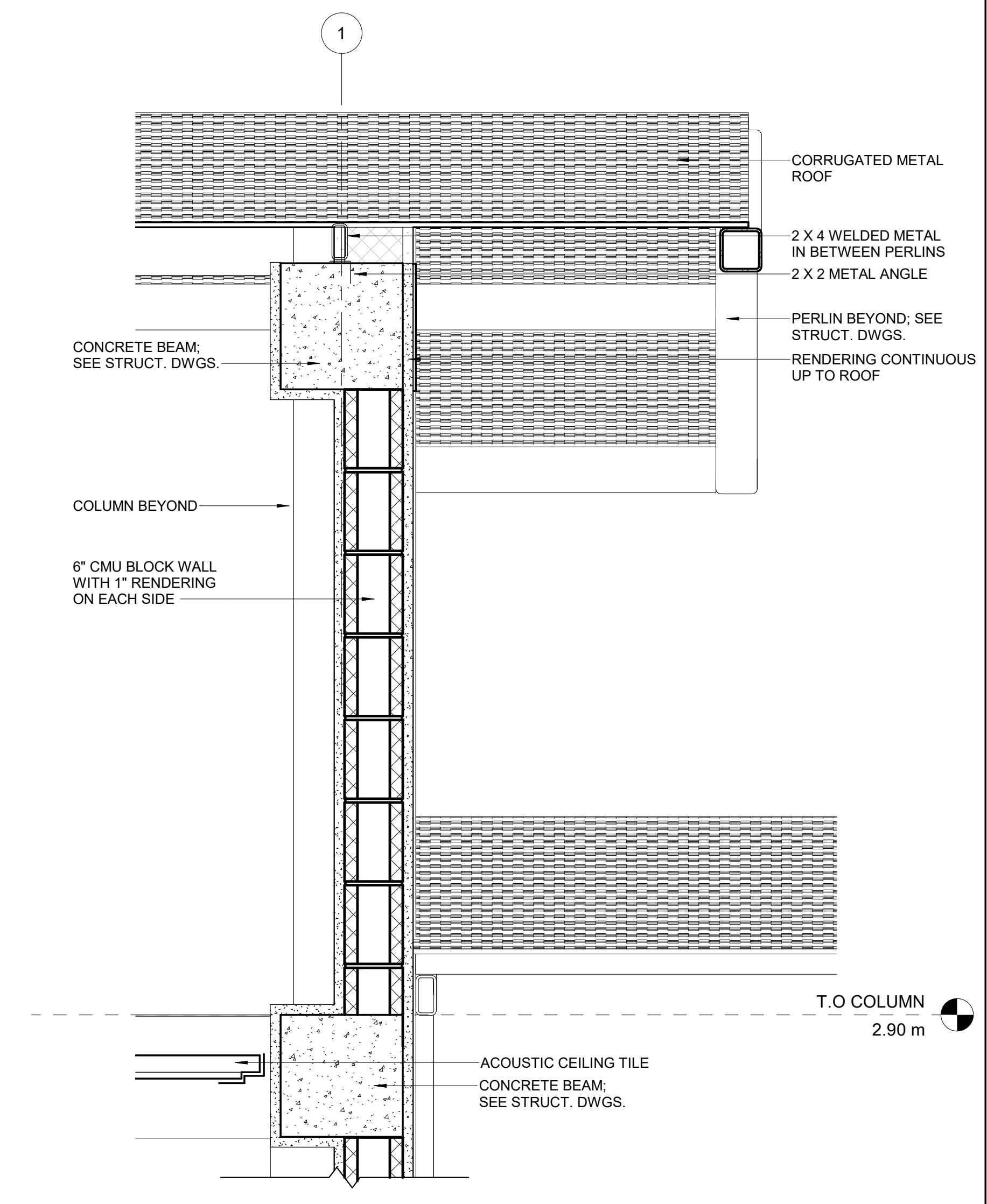
2 FLASHING DETAIL OVER EXISTING ROOF
 SCALE 1 : 5



3 ROOF ENCLOSURE DETAIL
 SCALE 1 : 10



4 FLASHING DETAIL @ CORRIDOR ROOF 2
 SCALE 1 : 5



5 ROOF TO WALL CONNECTION AT SOUTH END
 SCALE 1 : 10

NO.	DATE	DESCRIPTION
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KEY PLAN

HOPE HEALTH ACTION

OWNER

NICU EXTENSION
 HCBH HOSPITAL, QUARTIER MORIN, HAITI

PROJECT

ROOF DETAILS

DRAWING TITLE

SCALE As indicated DATE 12/16/22

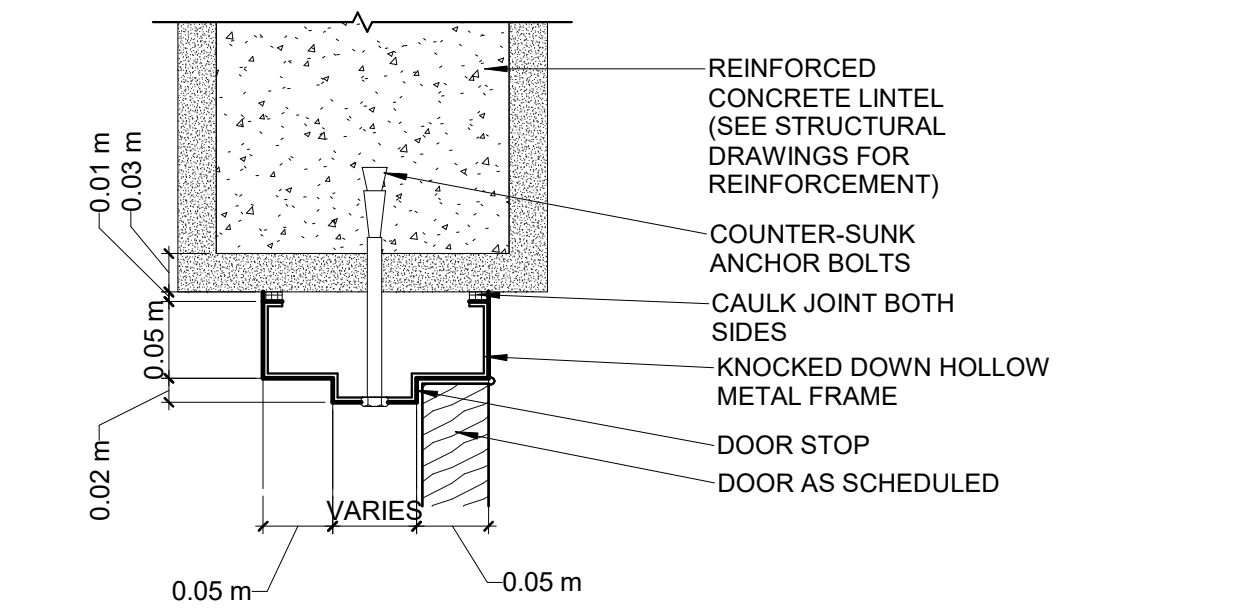
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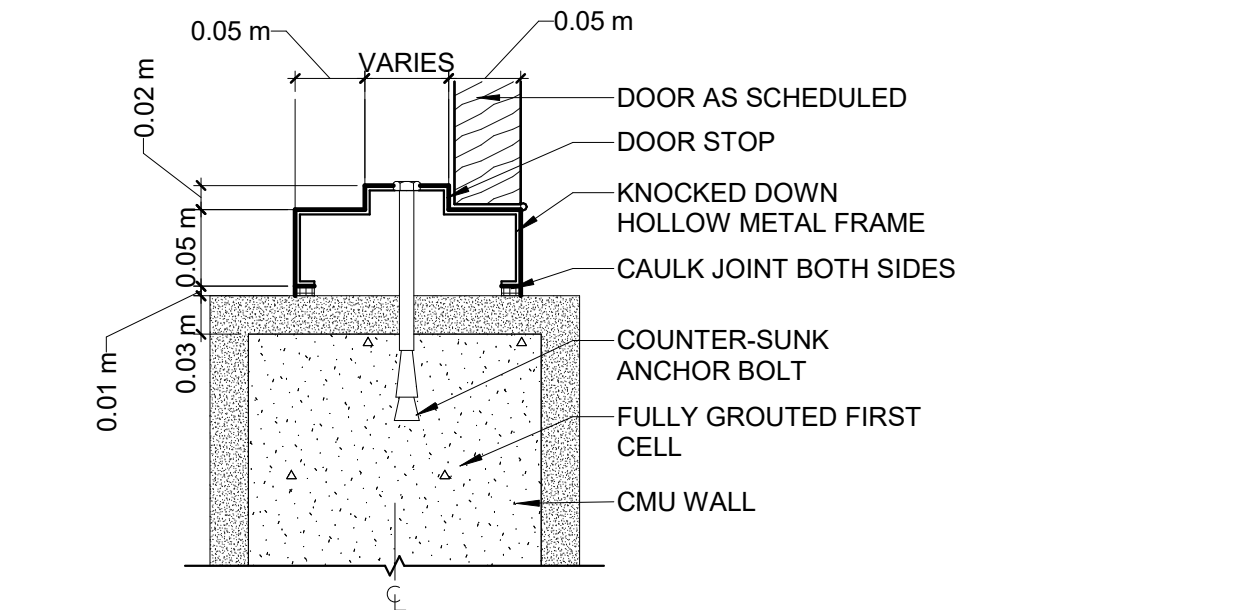
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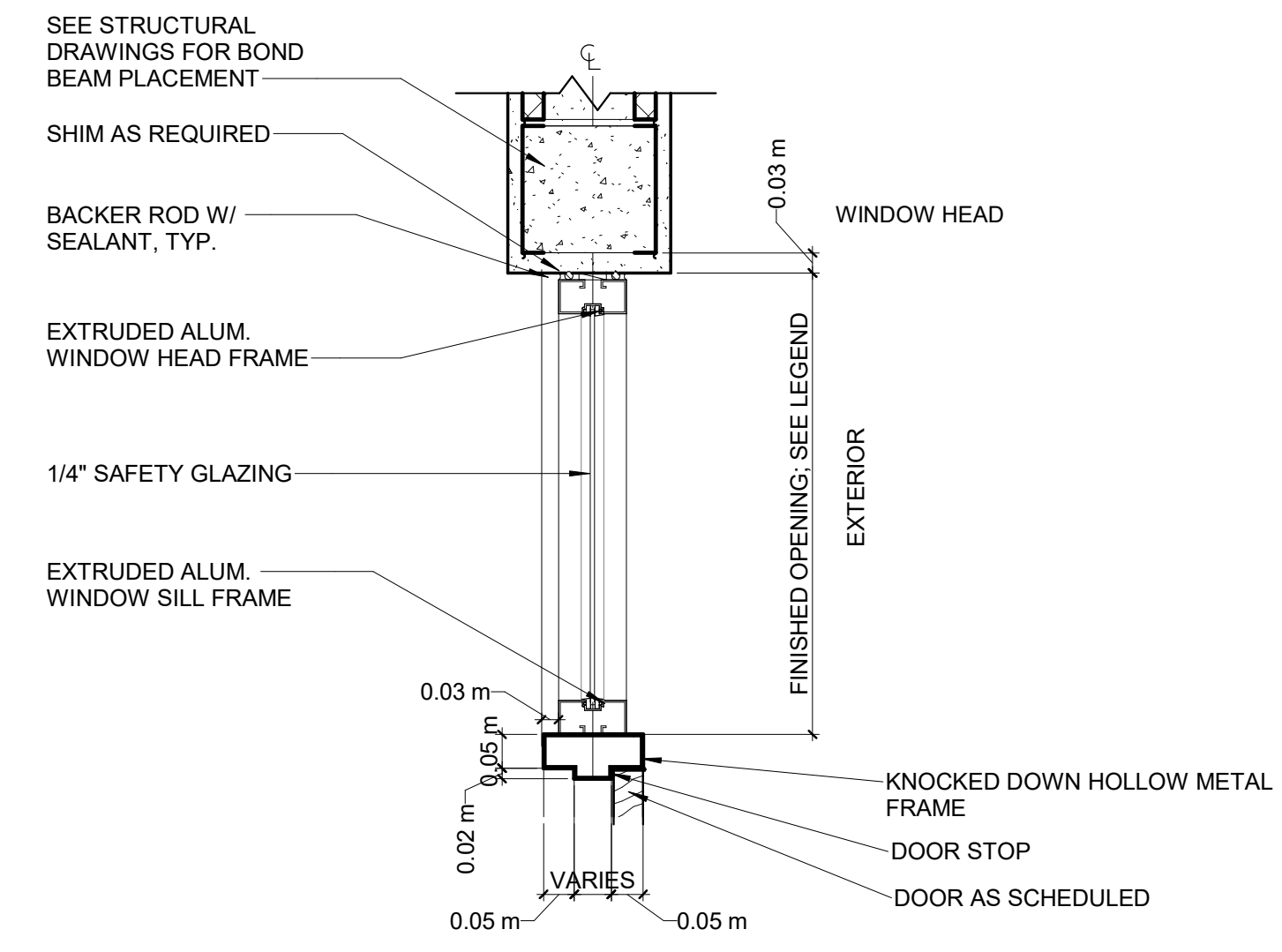
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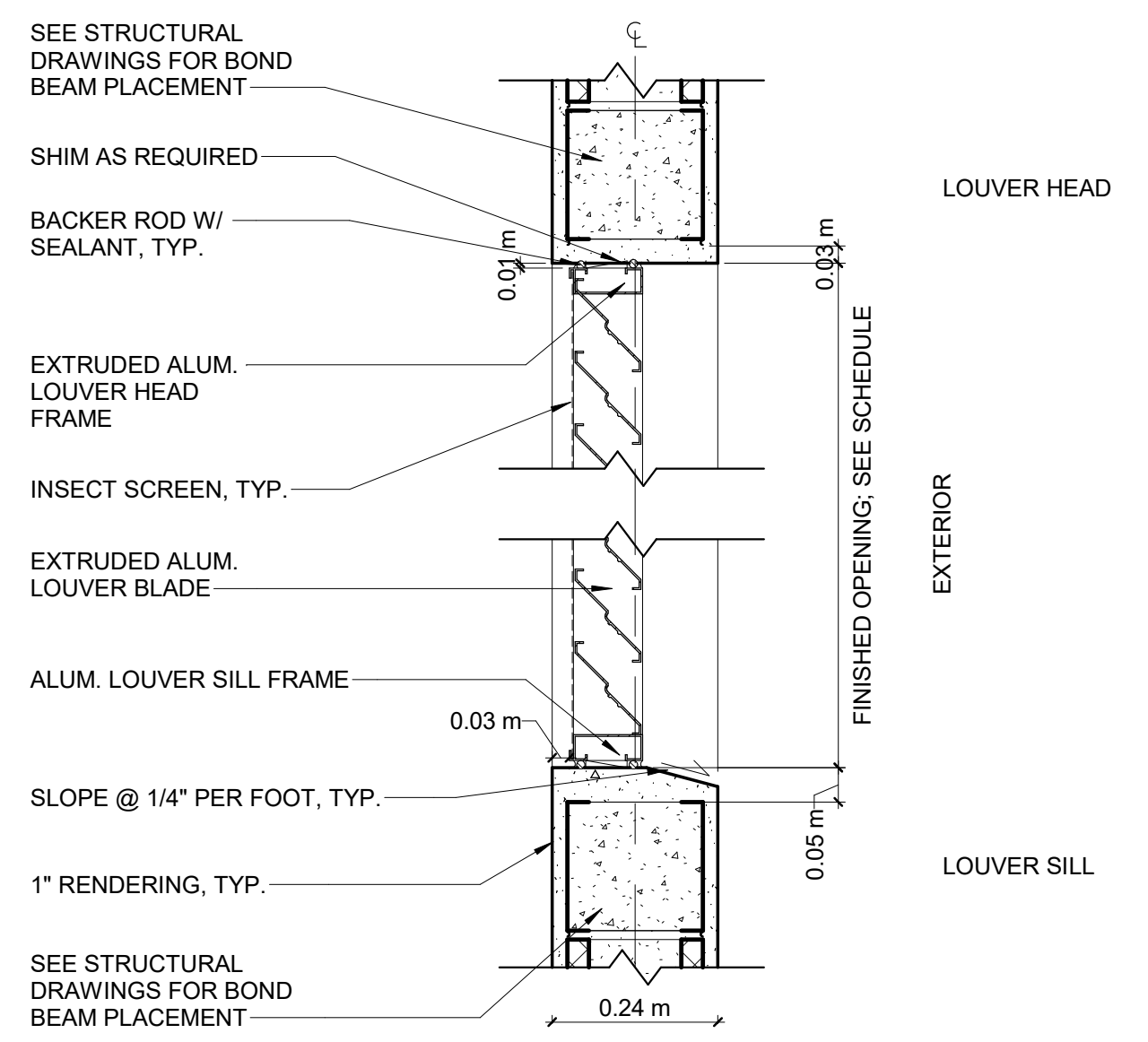
1 DOOR HEAD
 SCALE 1 : 5



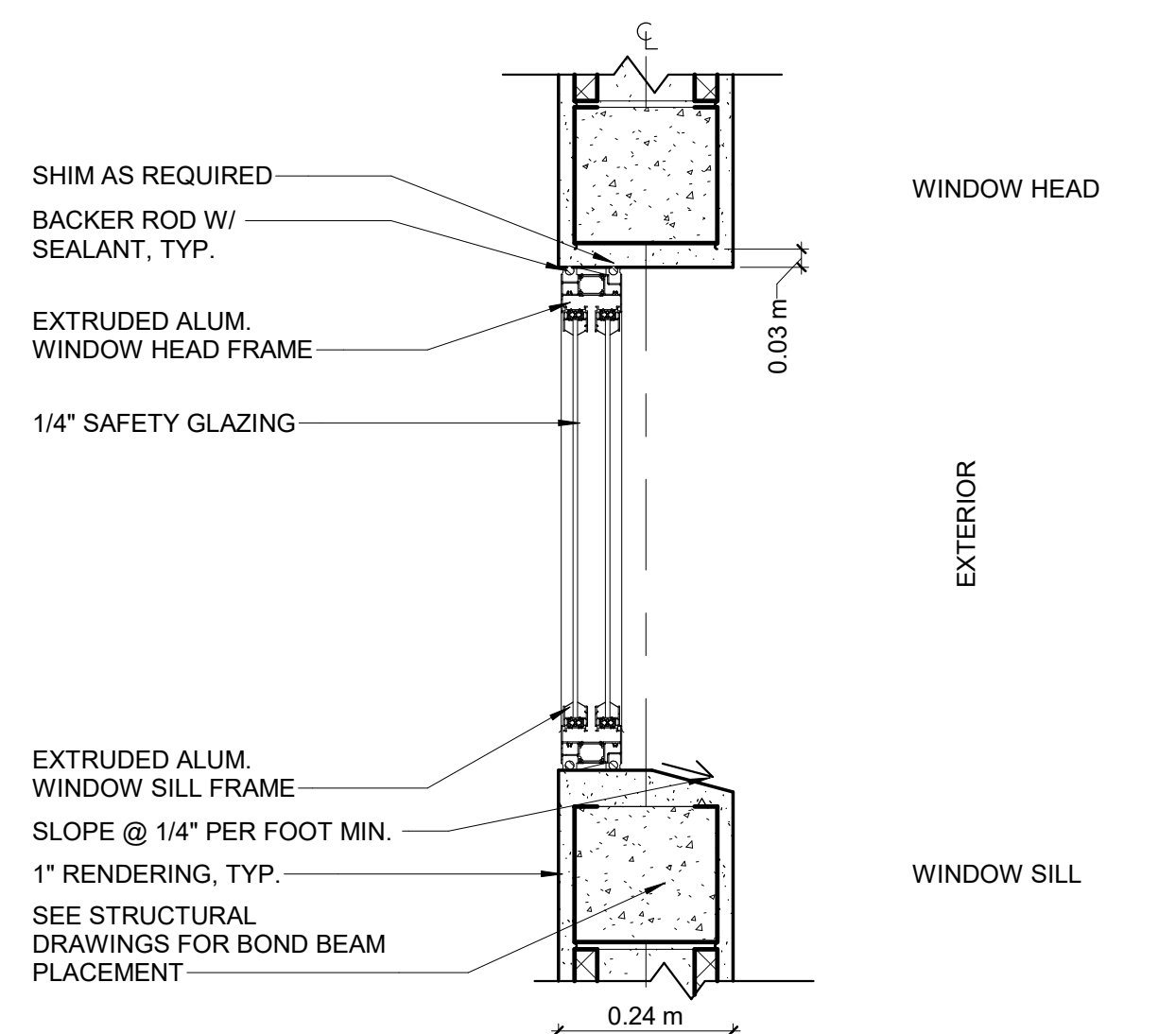
2 DOOR JAMB
 SCALE 1 : 5



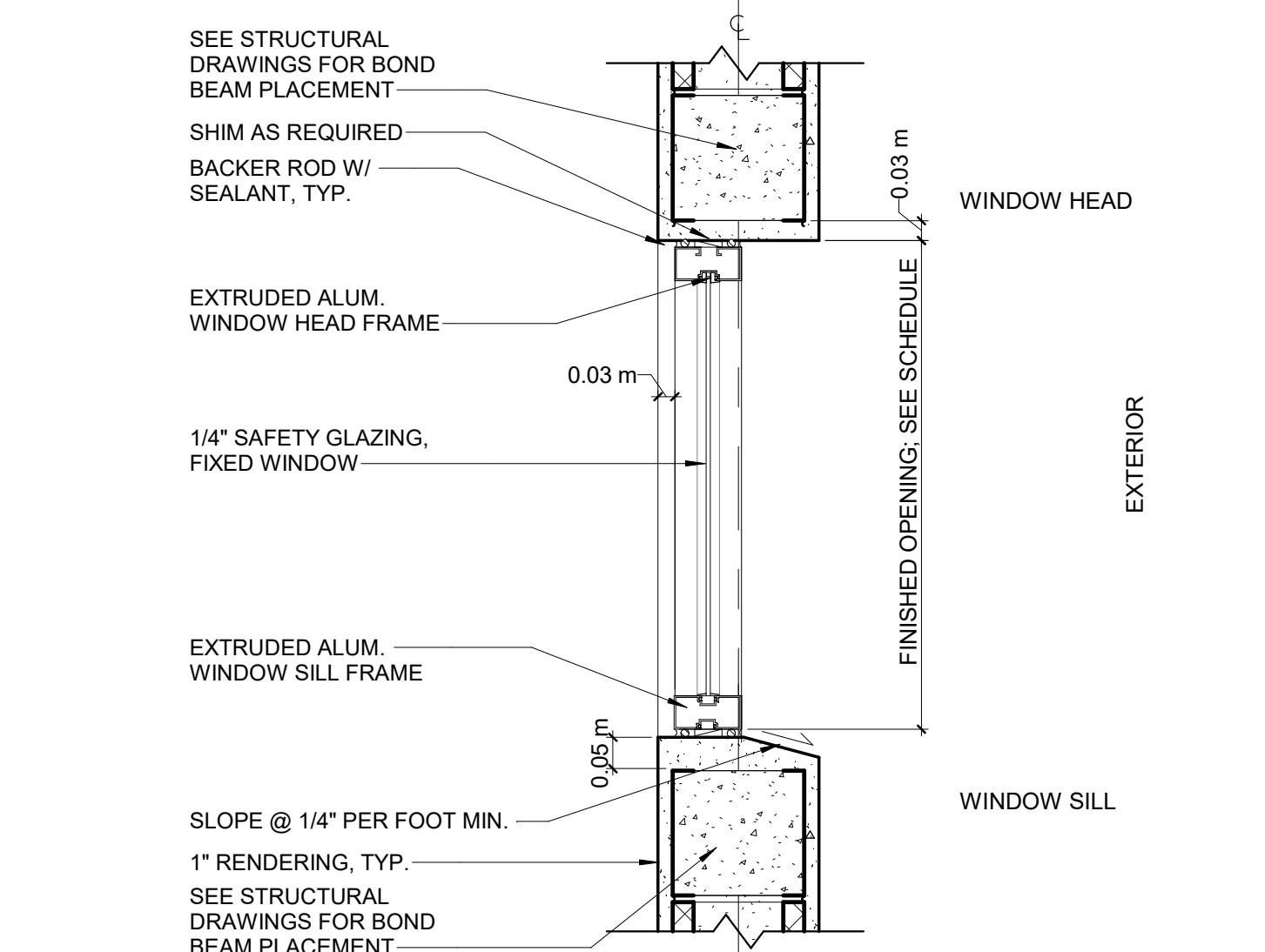
3 DOOR HEAD WITH TRANSOM LITE
 SCALE 1 : 10



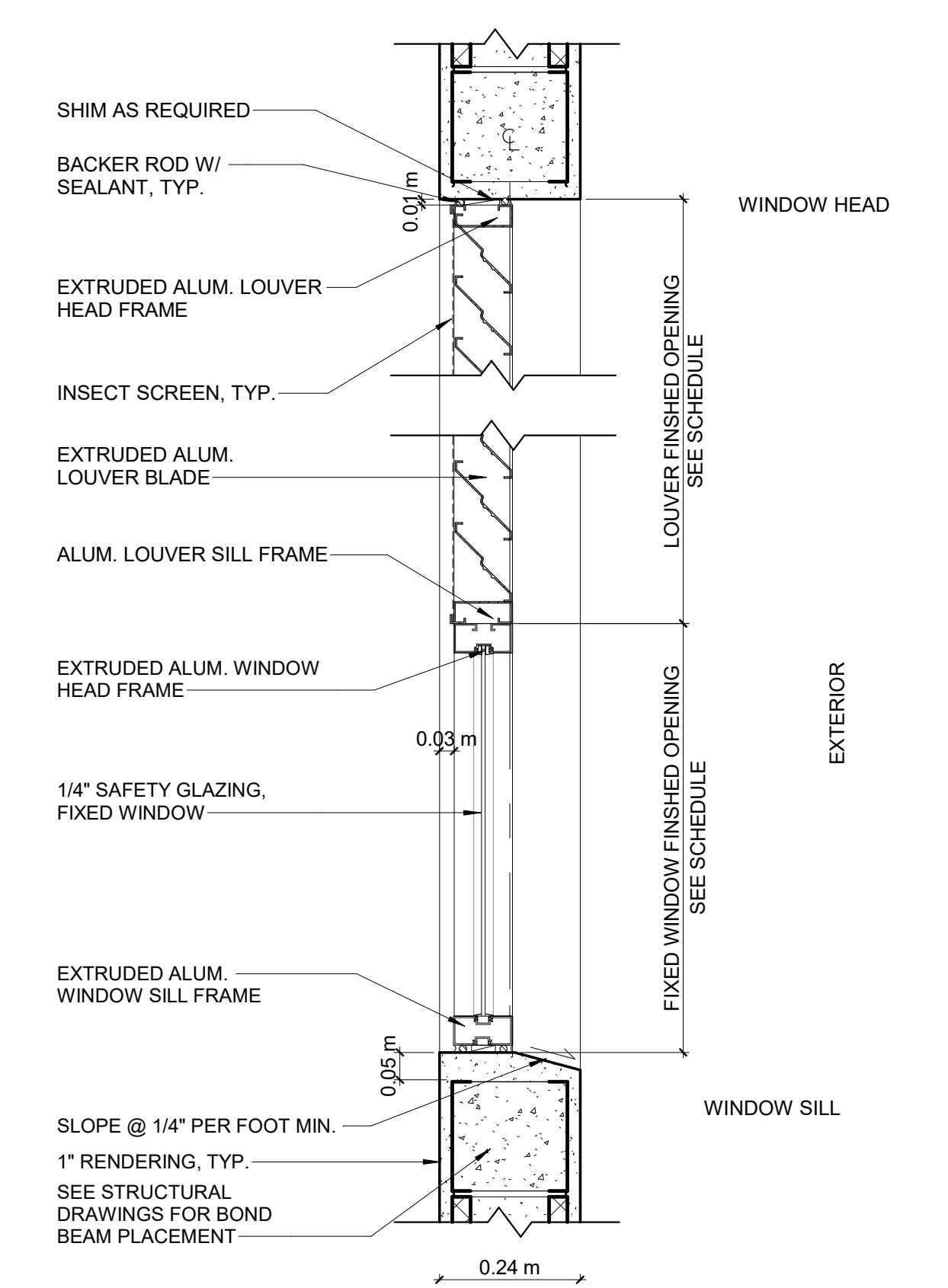
4 LOUVER DETAILS
 SCALE 1 : 10



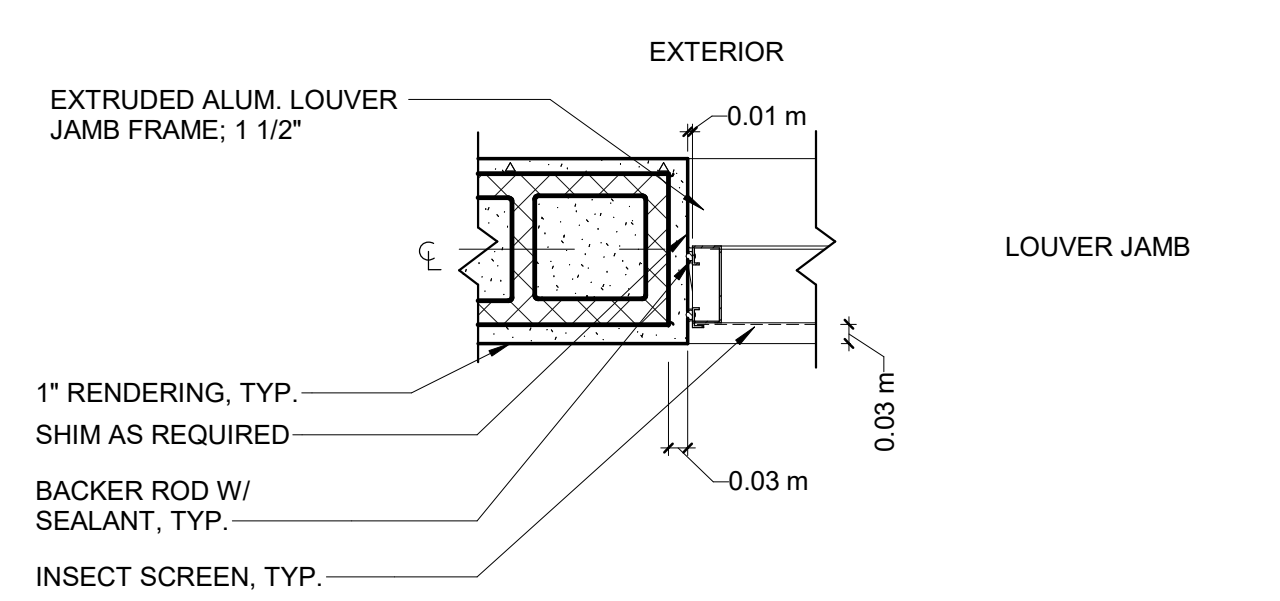
5 SLIDING WINDOW DETAILS
 SCALE 1 : 10



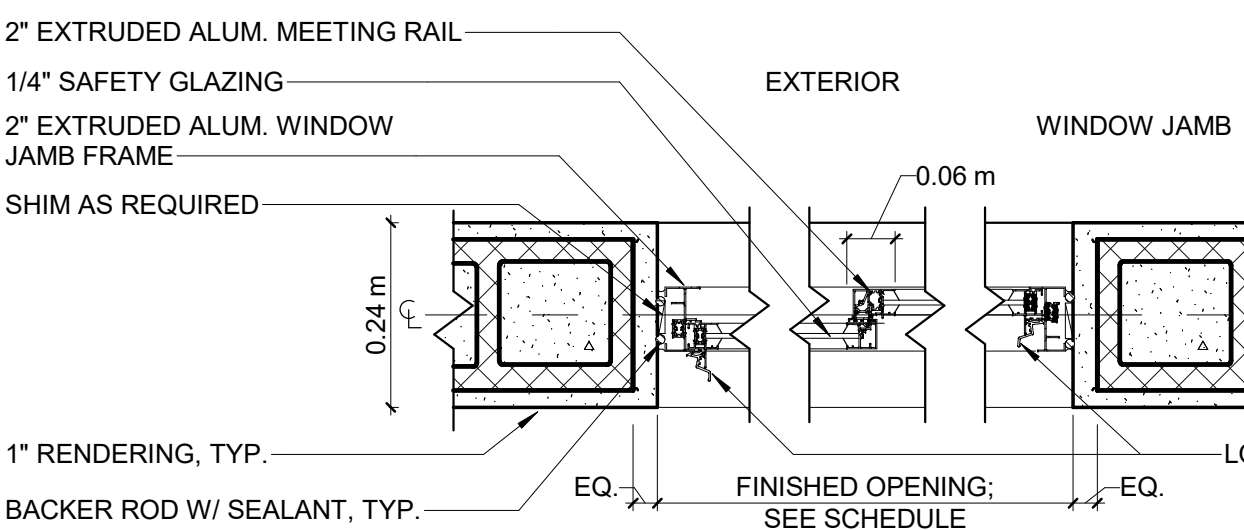
6 FIXED WINDOW DETAILS
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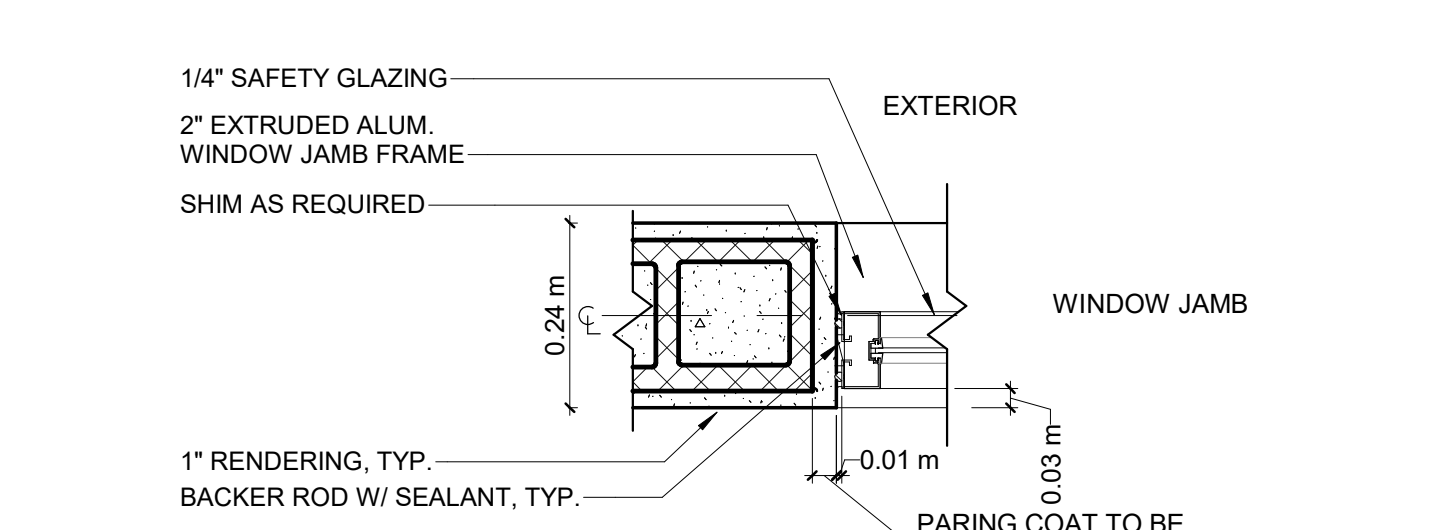
7 FIXED WINDOW WITH LOUVER ABOVE
 SCALE 1 : 10



LOUVER JAMB



WINDOW JAMB



WINDOW JAMB

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 hopehealthaction.org

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KEY PLAN

HOPE HEALTH ACTION

OWNER

NICU EXTENSION
 HCBH HOSPITAL, QUARTIER MORIN, HAITI

PROJECT

DOOR & WINDOW DETAILS

DRAWING TITLE

SCALE As indicated DATE 12/13/2022

JOB NUMBER 64-001

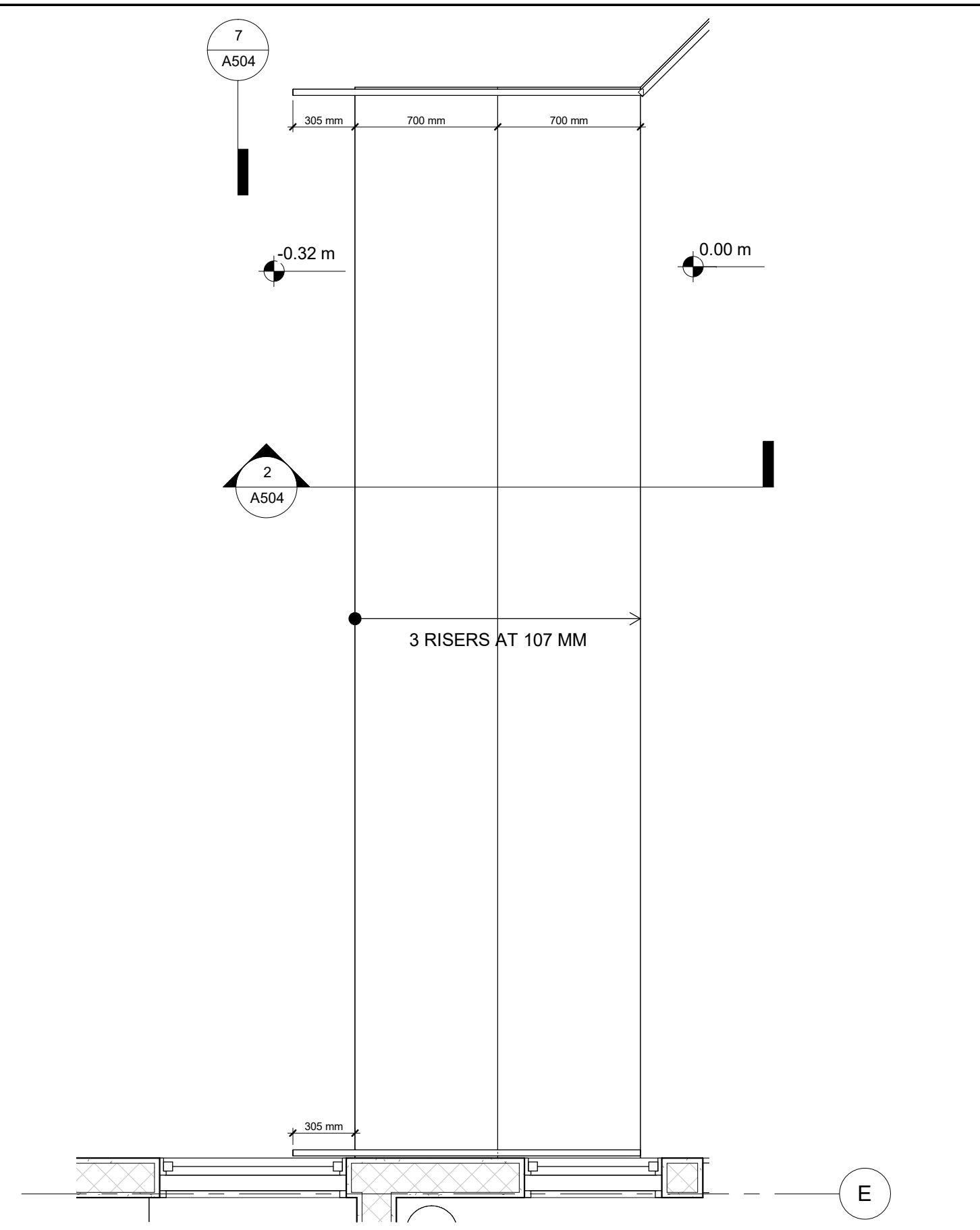
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CONSTRUCTION DOCUMENTS

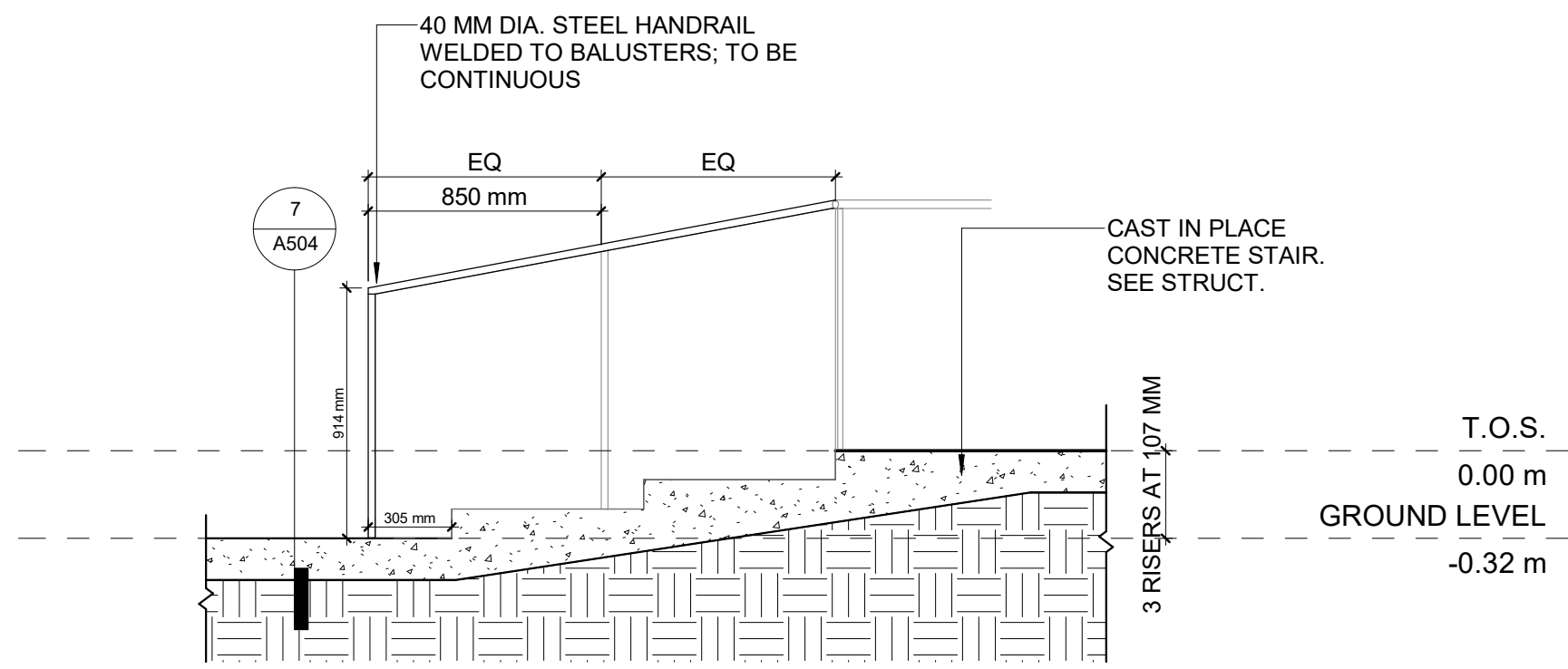
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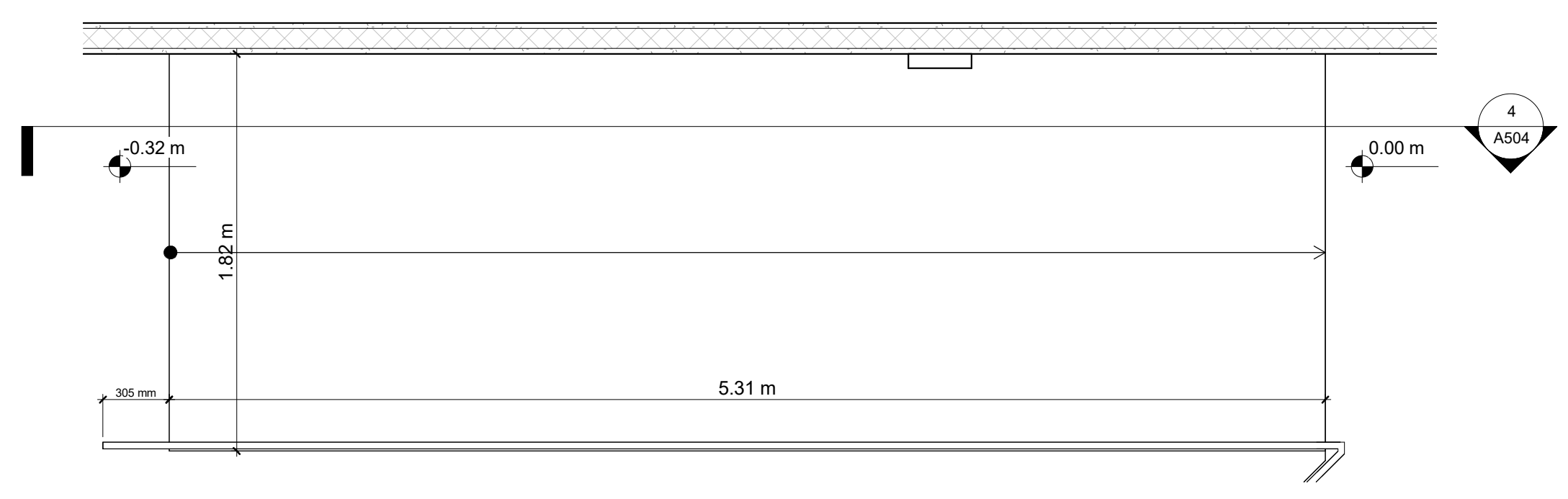
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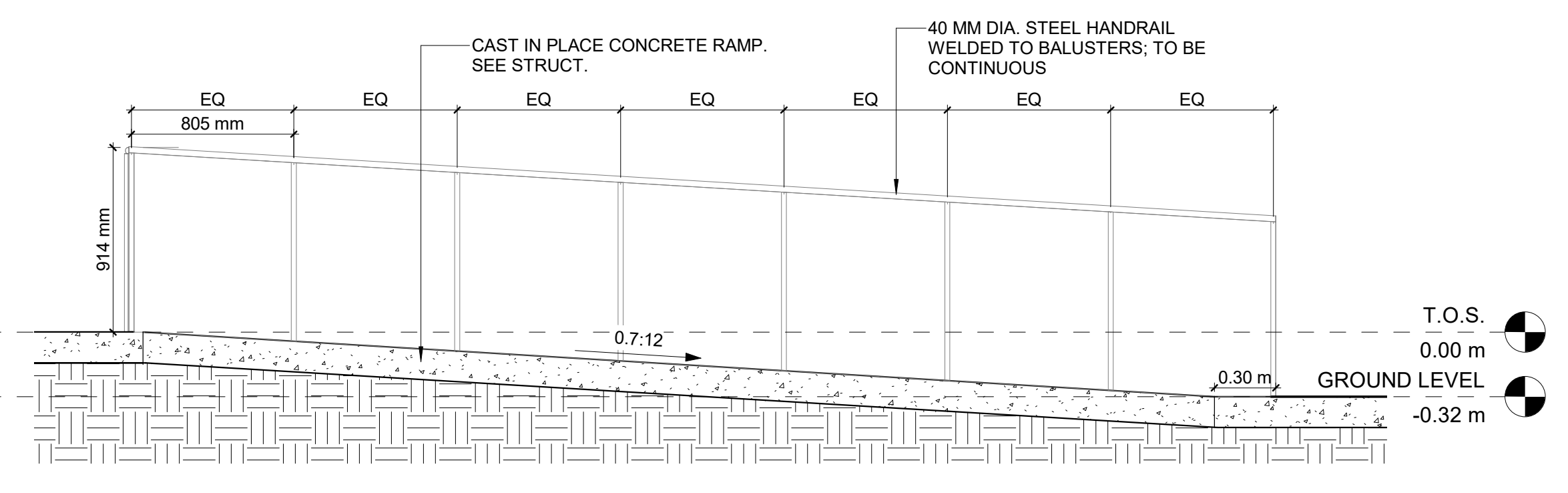
1 EXTERIOR STAIR
 SCALE 1 : 25



2 EXTERIOR STAIR SECTION
 SCALE 1 : 25

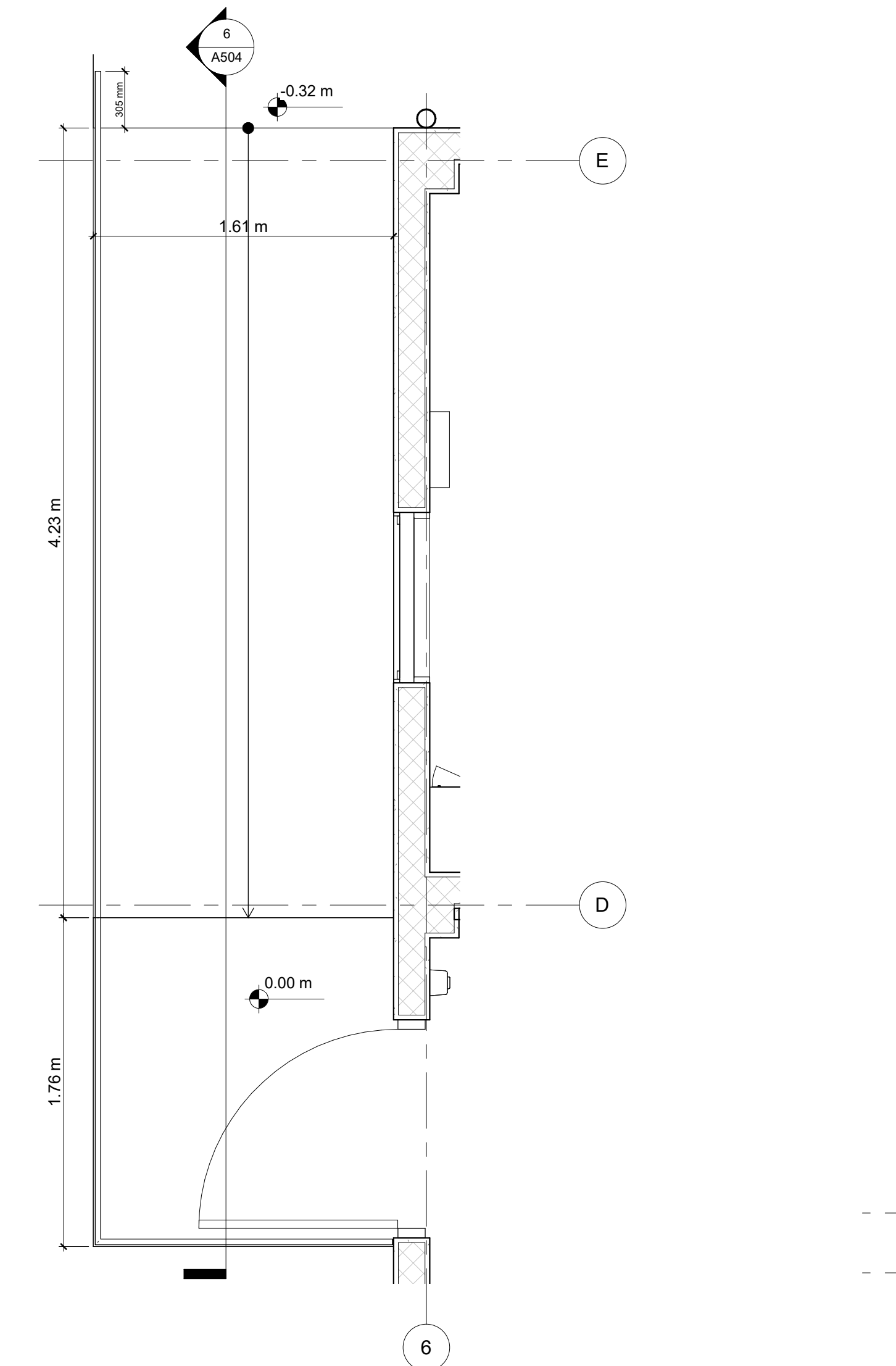


3 ENTRY RAMP
 SCALE 1 : 25

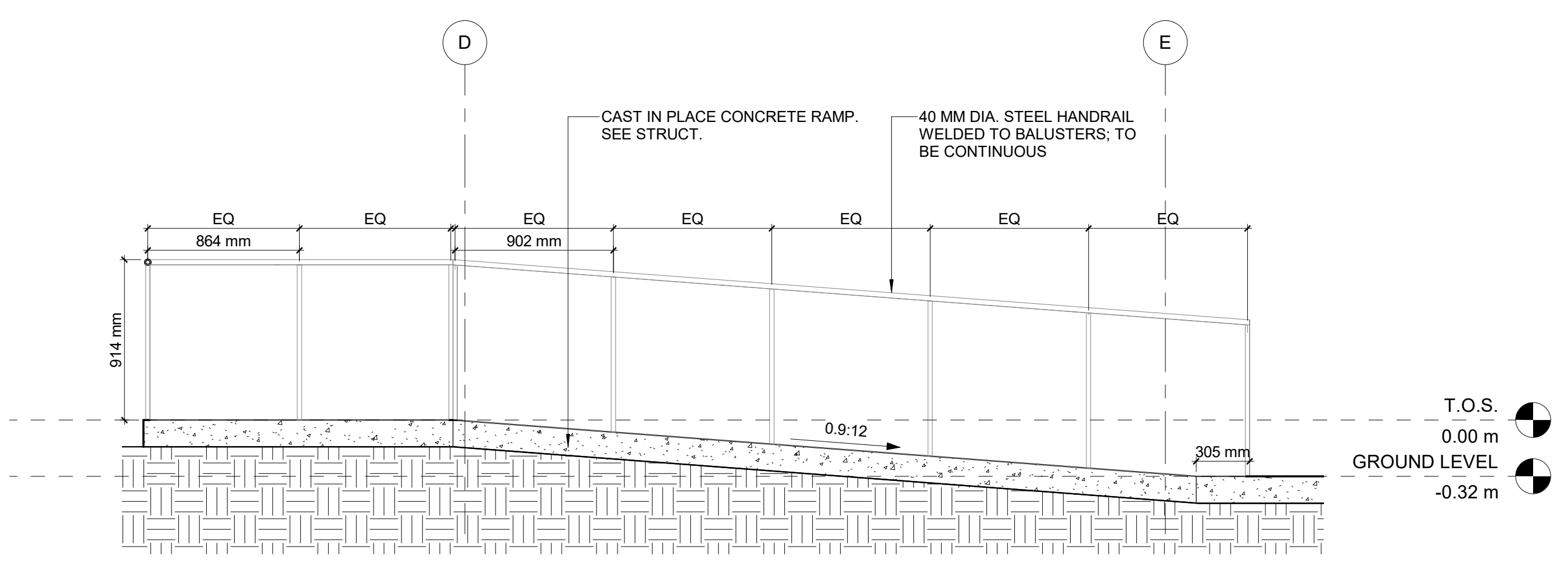


4 ENTRY RAMP SECTION
 SCALE 1 : 25

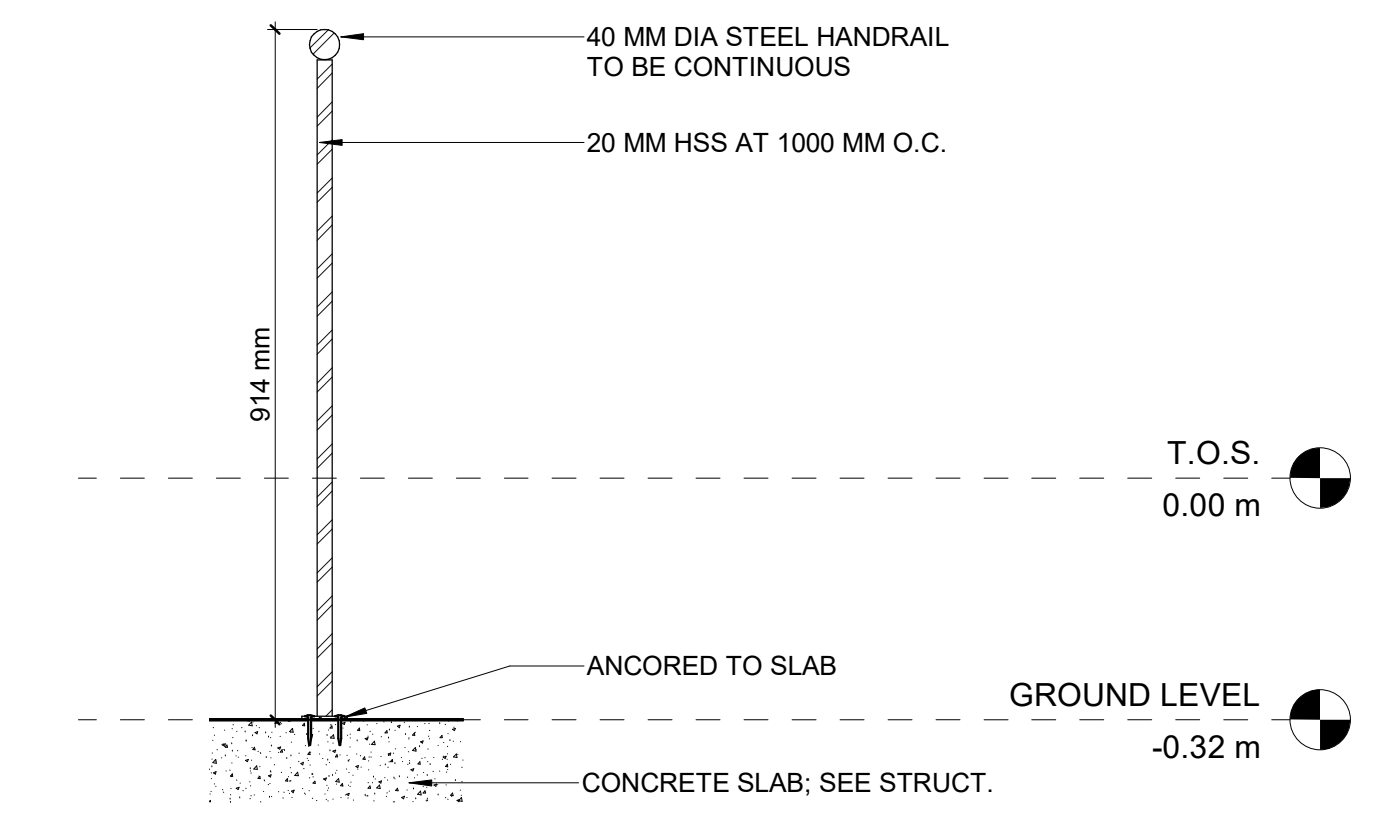
GENERAL NOTES:
 1. BALUSTERS SPACED EQUALLY BETWEEN CORNER AND END POSTS.



5 FAMILY CARE RAMP
 SCALE 1 : 25



6 FAMILY CARE RAMP SECTION
 SCALE 1 : 25



7 RAILING DETAIL
 SCALE 1 : 10

NO.	DATE	DESCRIPTION

KEY PLAN

HOPE HEALTH ACTION

OWNER

NICU EXTENSION
 HCBH HOSPITAL, QUARTIER MORIN, HAITI

PROJECT

STAIR AND RAMP DETAILS

DRAWING TITLE

SCALE As indicated DATE 11/21/22

JOB NUMBER 64-001

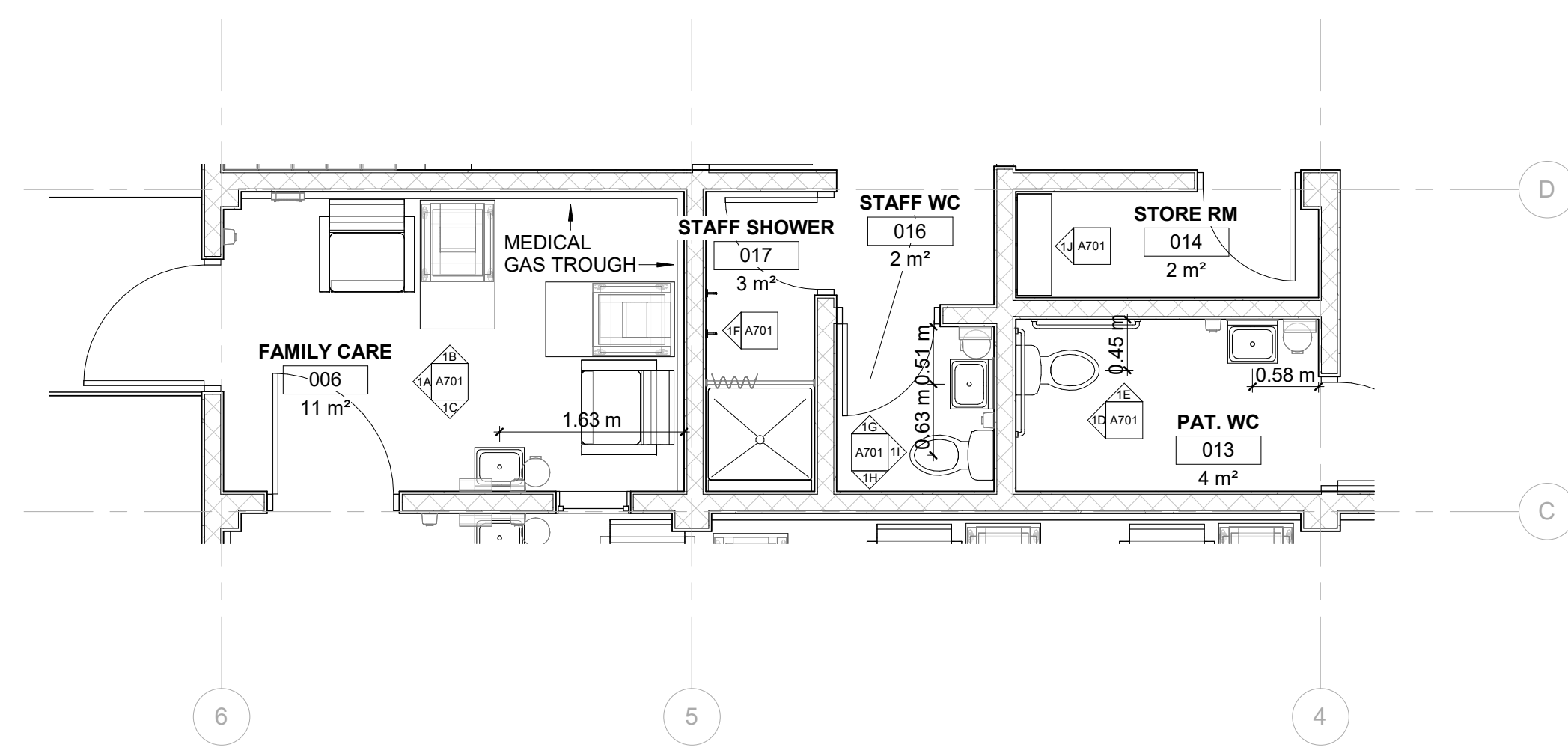
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CONSTRUCTION DOCUMENTS

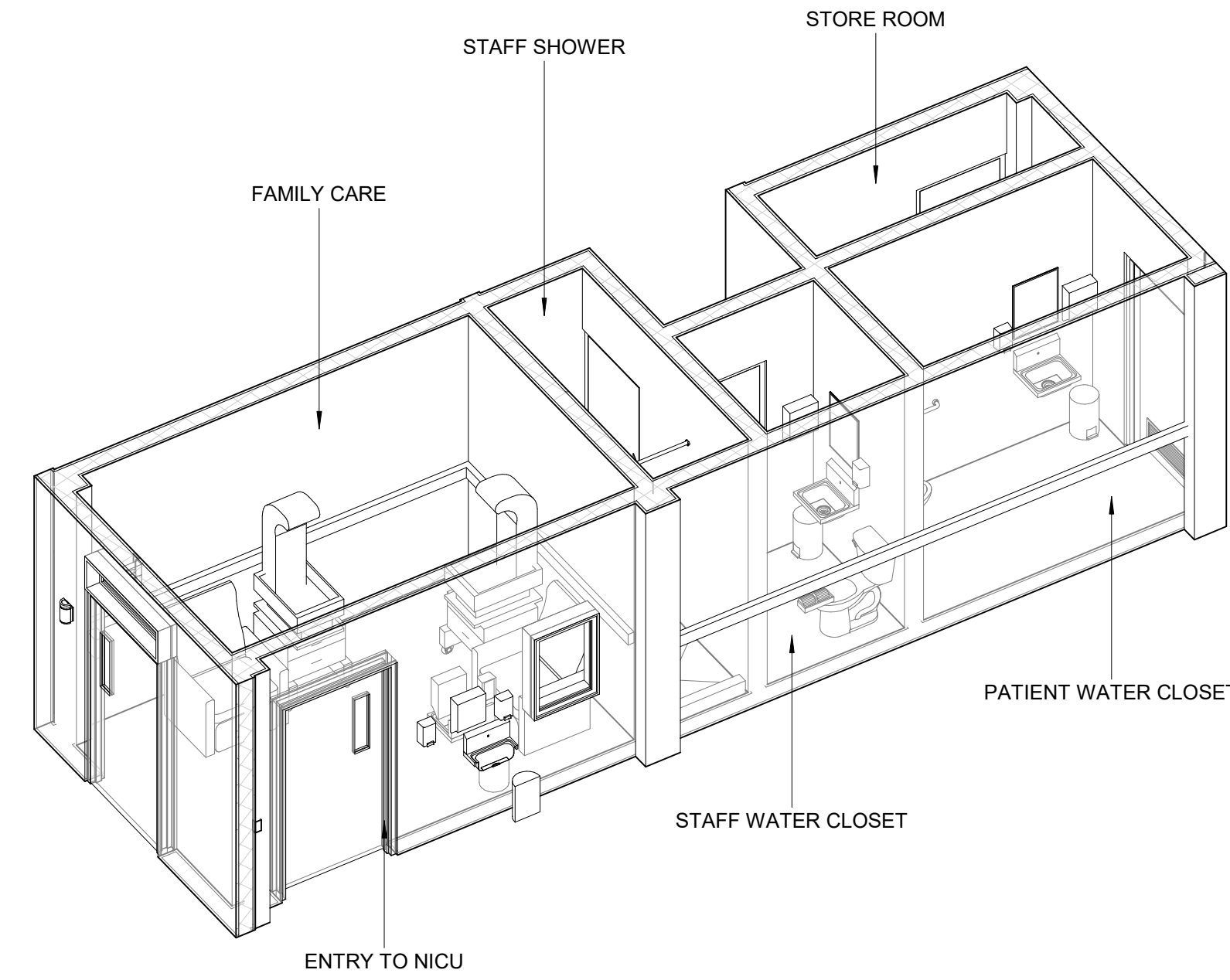
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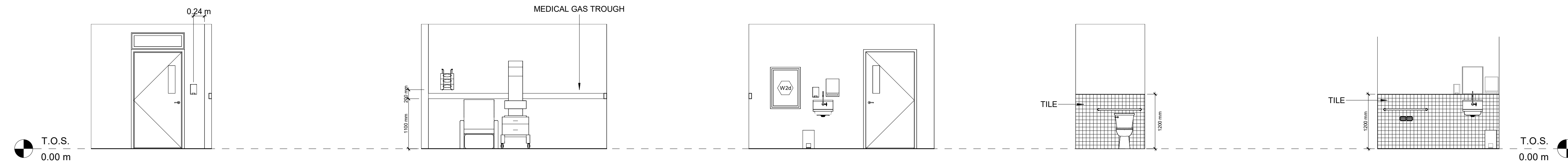
TYPICAL CONDITIONS SHEET NOTES
 1. ALL DIMENSIONS TYPICAL UNLESS OTHERWISE NOTED IN DRAWINGS. REFER TO A704 FOR TYPICAL DIMENSIONS.



1 FAMILY CARE & WATER CLOSETS ENLARGED
 SCALE 1 : 50



2 FAMILY CARE & WATER CLOSETS AXON
 SCALE



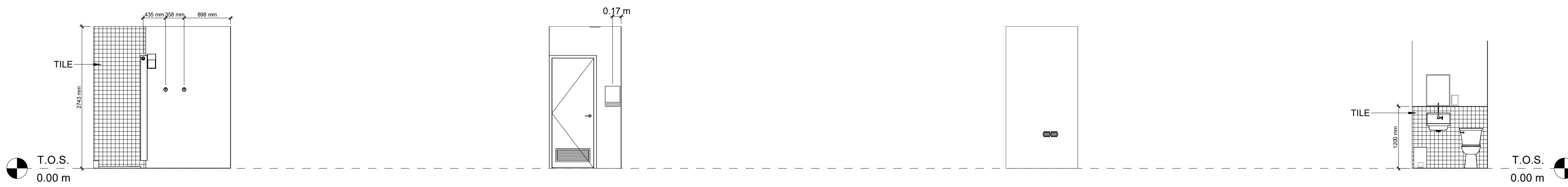
1A FAMILY CARE NORTH
 SCALE 1 : 50

1B FAMILY CARE EAST
 SCALE 1 : 50

1C FAMILY CARE WEST
 SCALE 1 : 50

1D PATIENT WC NORTH
 SCALE 1 : 50

1E PATIENT WC EAST
 SCALE 1 : 50

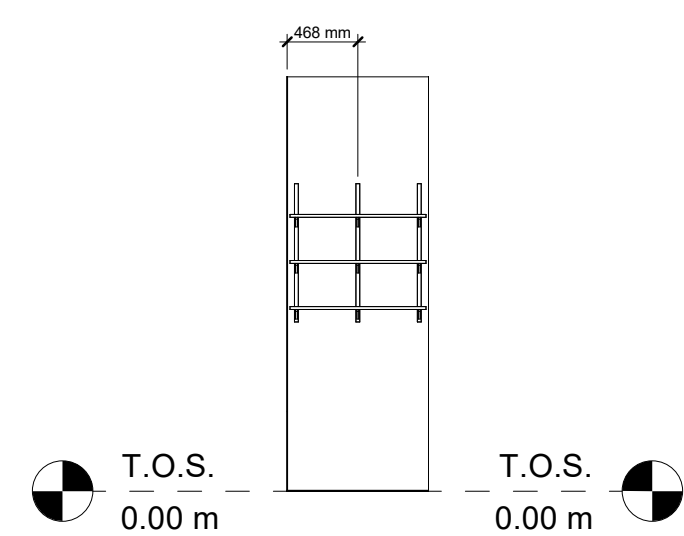


1F STAFF SHOWER NORTH
 SCALE 1 : 50

1G STAFF WC EAST
 SCALE 1 : 50

1H STAFF WC WEST
 SCALE 1 : 50

1I STAFF WC SOUTH
 SCALE 1 : 50



1J STORE RM 014 NORTH
 SCALE 1 : 50

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 hopehealthaction.org

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NO.	DATE	DESCRIPTION
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KEY PLAN

HOPE HEALTH ACTION

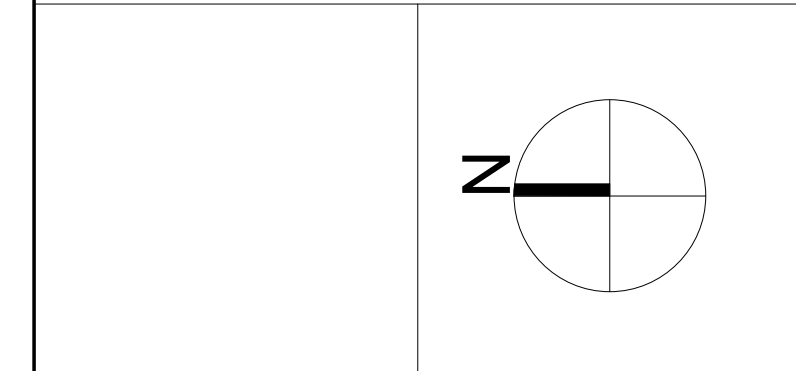
OWNER

NICU EXTENSION
 HCBH HOSPITAL, QUARTIER MORIN, HAITI

PROJECT

INTERIOR ELEVATIONS

DRAWING TITLE



SCALE As indicated DATE 06/10/2022

JOB NUMBER 64-001

DRAWN OL CHECKED GG

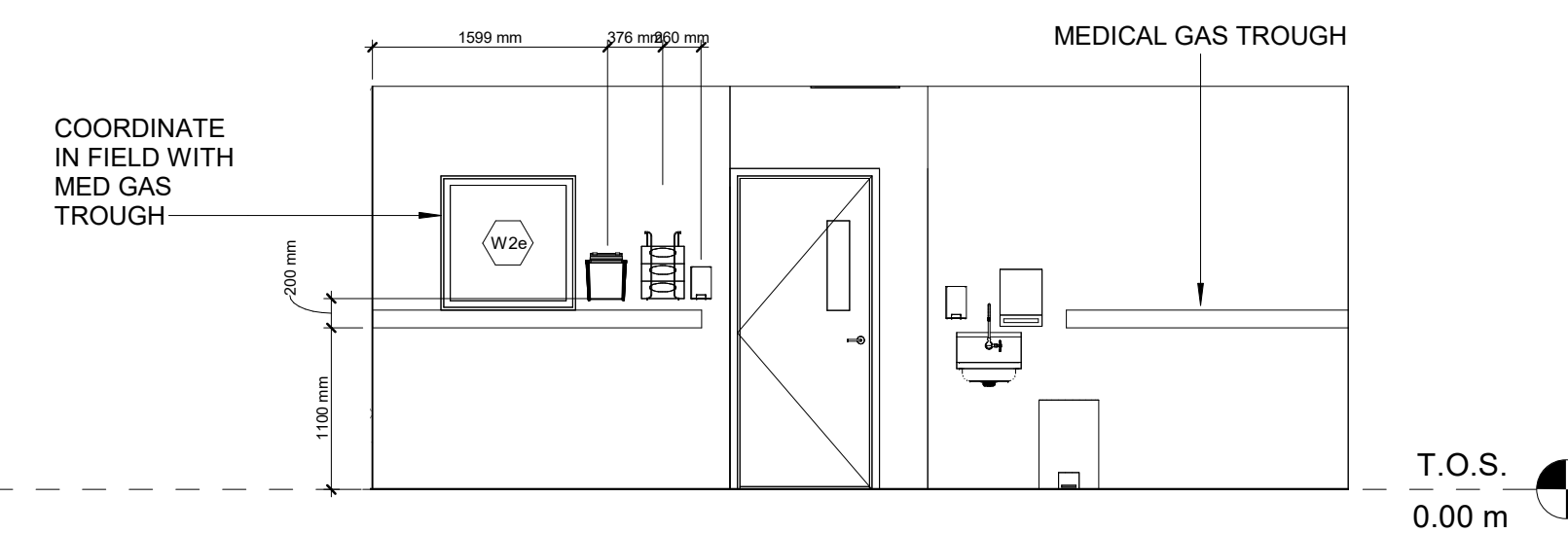
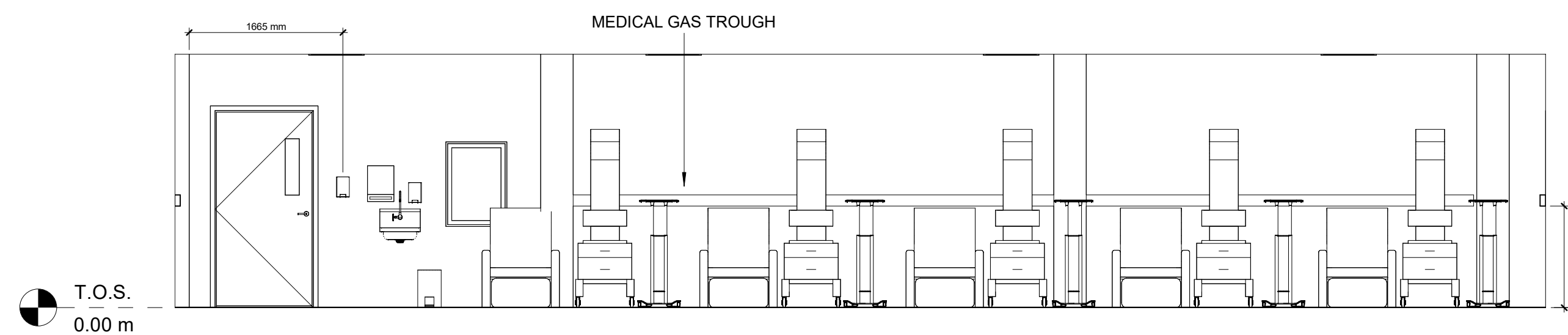
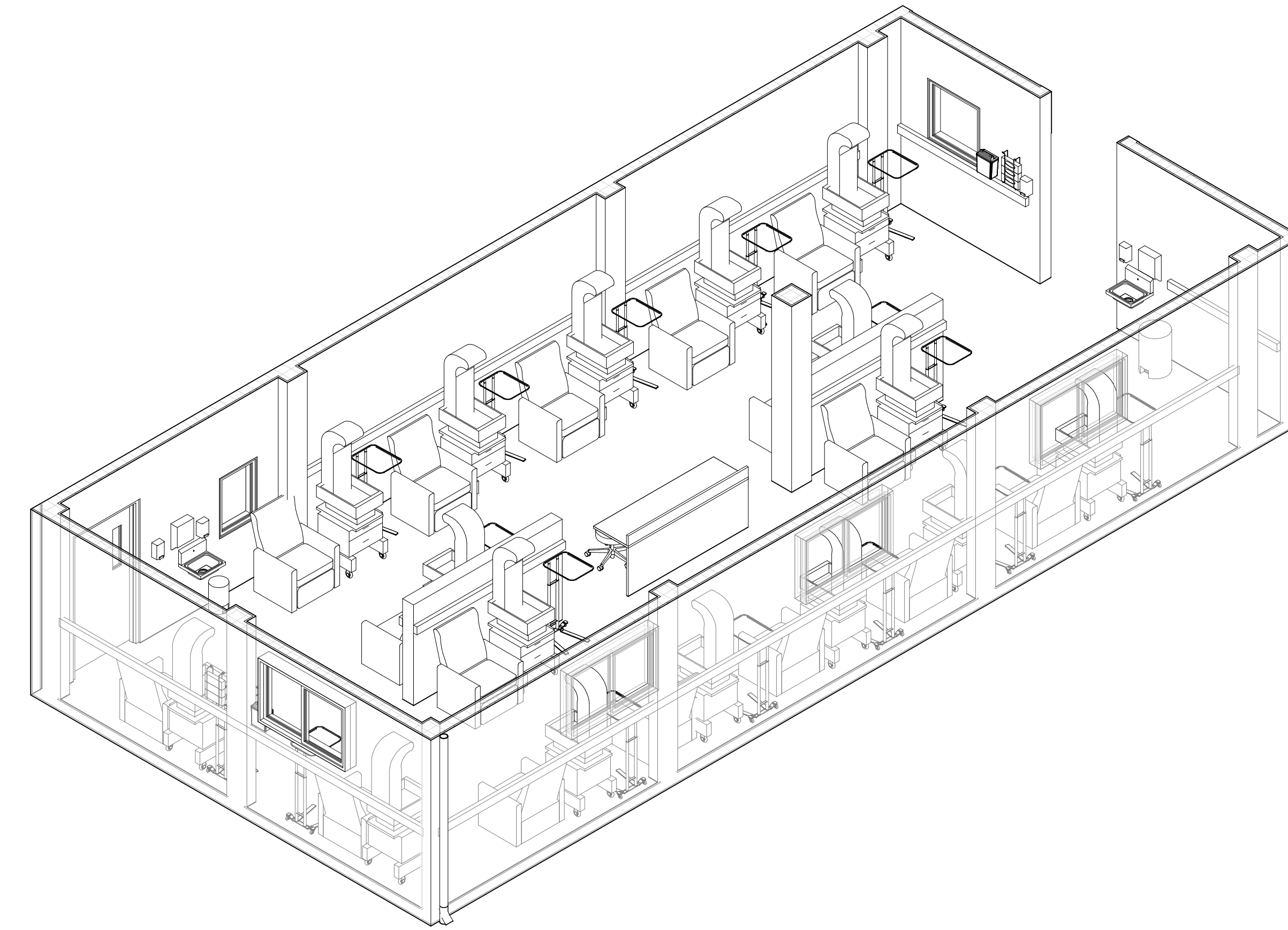
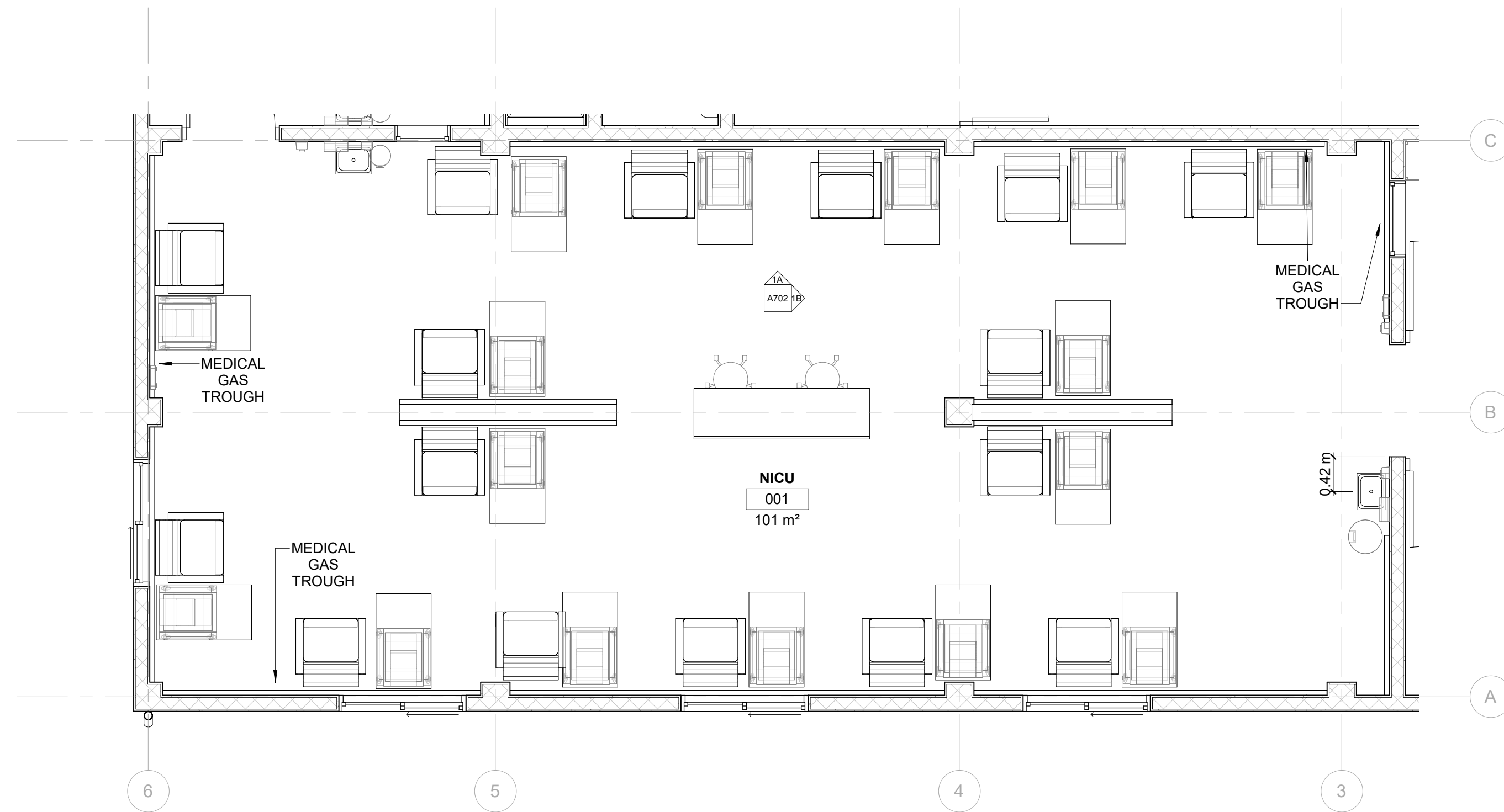
CONSTRUCTION DOCUMENTS

A701

DRAWING NUMBER

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TYPICAL CONDITIONS SHEET NOTES
 1. ALL DIMENSIONS TYPICAL UNLESS OTHERWISE NOTED IN DRAWINGS. REFER TO A704 FOR TYPICAL DIMENSIONS.



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NO.	DATE	DESCRIPTION
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KEY PLAN

HOPE HEALTH ACTION

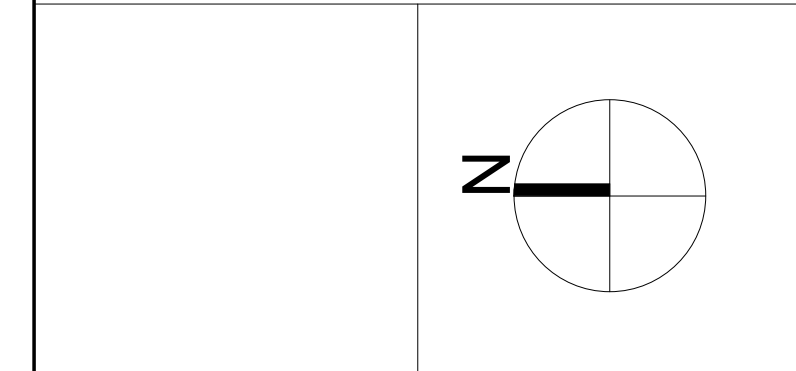
OWNER

NICU EXTENSION
 HCBH HOSPITAL, QUARTIER MORIN, HAITI

PROJECT

INTERIOR ELEVATIONS

DRAWING TITLE



SCALE As indicated DATE 06/16/2022

JOB NUMBER 64-001

DRAWN OL CHECKED GG

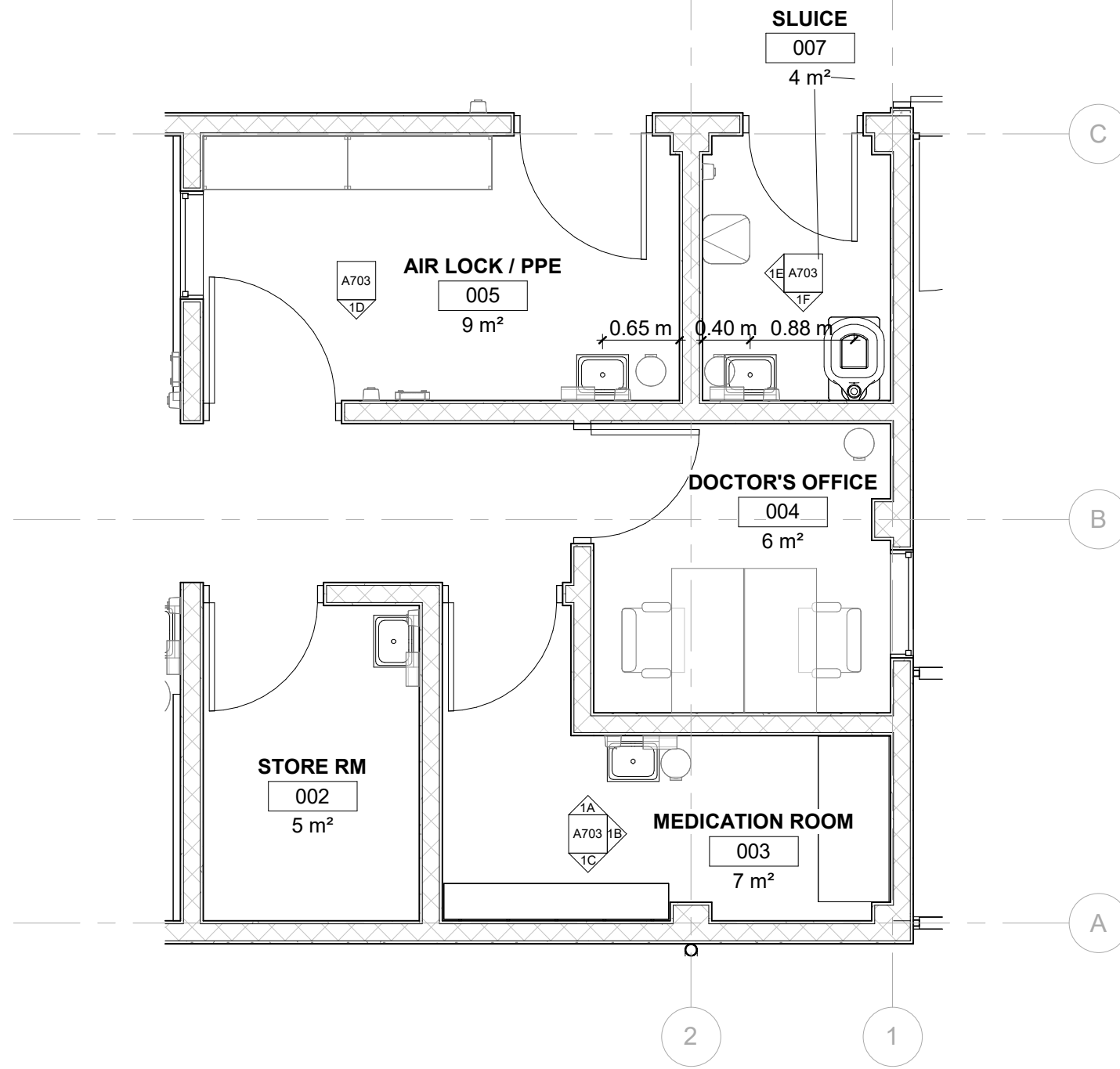
CONSTRUCTION DOCUMENTS

A702

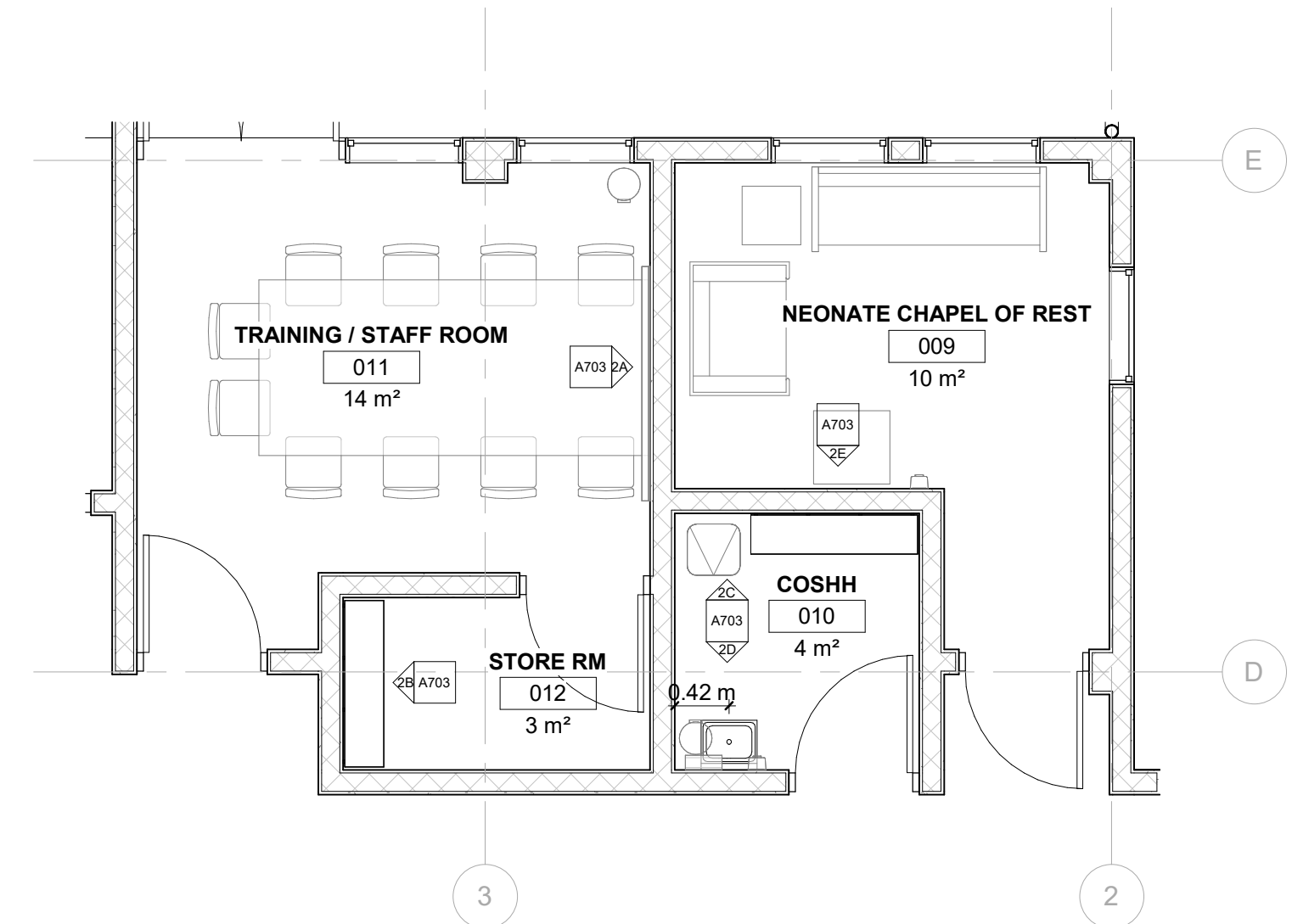
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 NICU EXTENSION

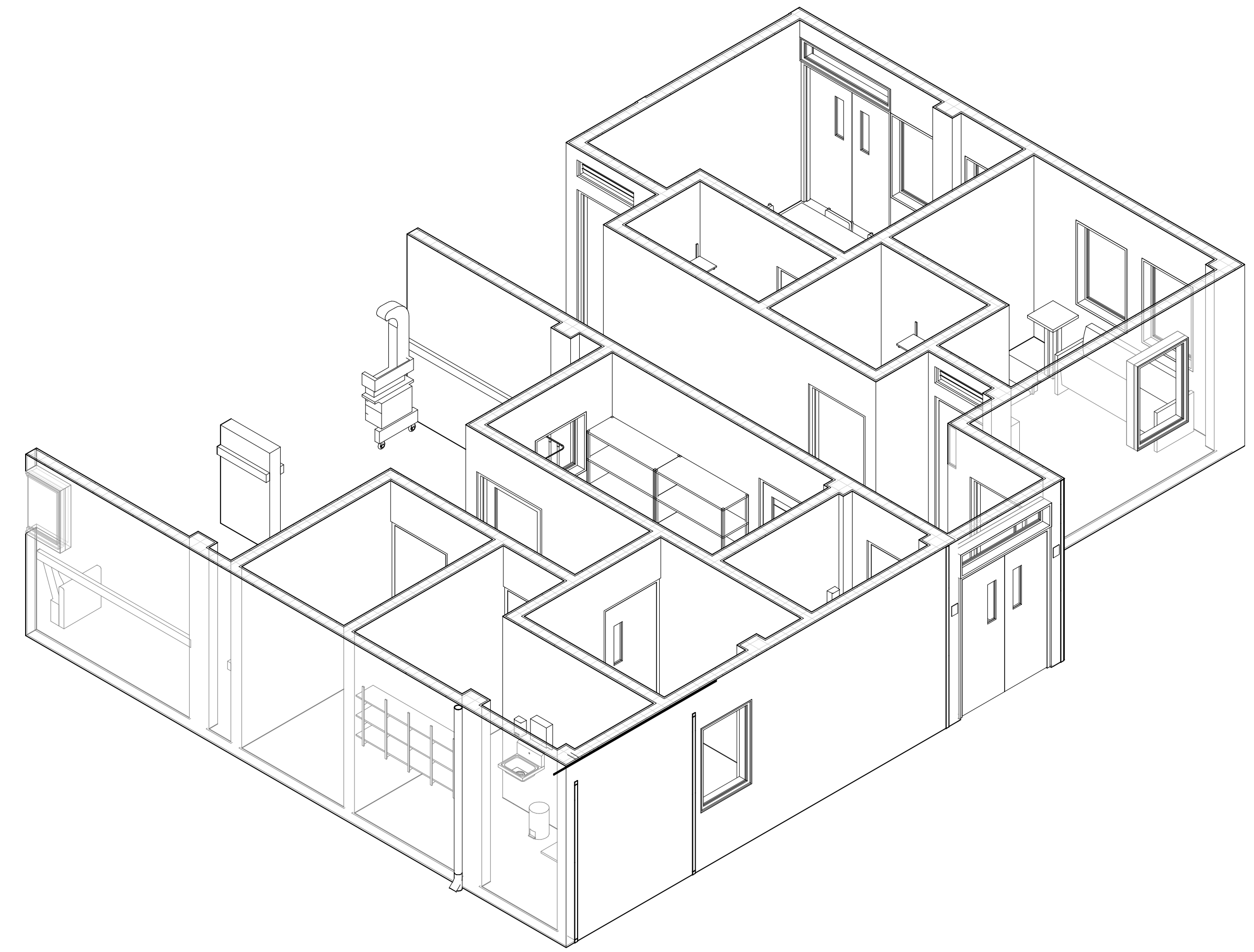
TYPICAL CONDITIONS SHEET NOTES
 1. ALL DIMENSIONS TYPICAL UNLESS OTHERWISE NOTED IN DRAWINGS. REFER TO A704 FOR TYPICAL DIMENSIONS.



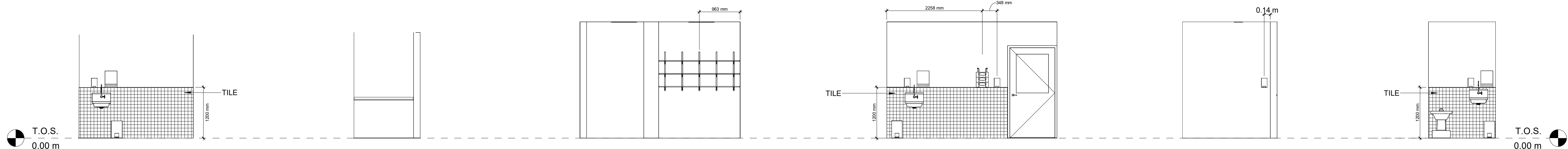
1 NICU SUPPORT ENLARGED
 SCALE 1 : 50



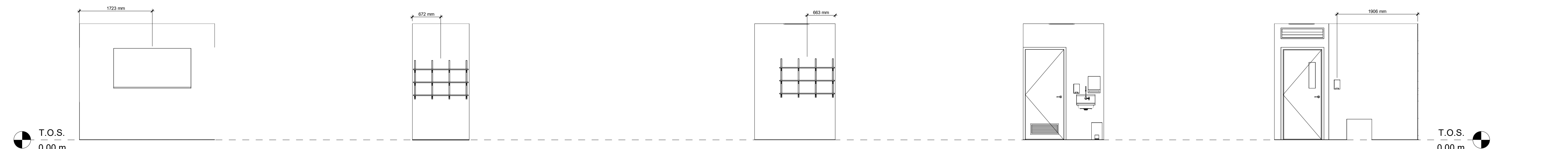
2 SUPPORT ENLARGED
 SCALE 1 : 50



3 NICU SUPPORT AXON
 SCALE



1A MED RM EAST SCALE 1 : 50 **1B MED RM SOUTH** SCALE 1 : 50 **1C MED RM WEST** SCALE 1 : 50 **1D AIRLOCK/PPE WEST** SCALE 1 : 50 **1E SLUICE NORTH** SCALE 1 : 50 **1F SLUICE WEST** SCALE 1 : 50



2A TRAINING RM SOUTH SCALE 1 : 50 **2B STORE RM 012 NORTH** SCALE 1 : 50 **2C COSHH EAST** SCALE 1 : 50 **2D COSHH WEST** SCALE 1 : 50 **2E CHAPEL OF REST WEST** SCALE 1 : 50

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KEY PLAN

HOPE HEALTH ACTION

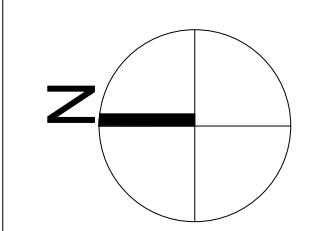
OWNER

NICU EXTENSION
 HCBH HOSPITAL, QUARTIER MORIN, HAITI

PROJECT

INTERIOR ELEVATIONS

DRAWING TITLE



SCALE As indicated DATE 11/30/22

JOB NUMBER 64-001

DRAWN OL CHECKED GG

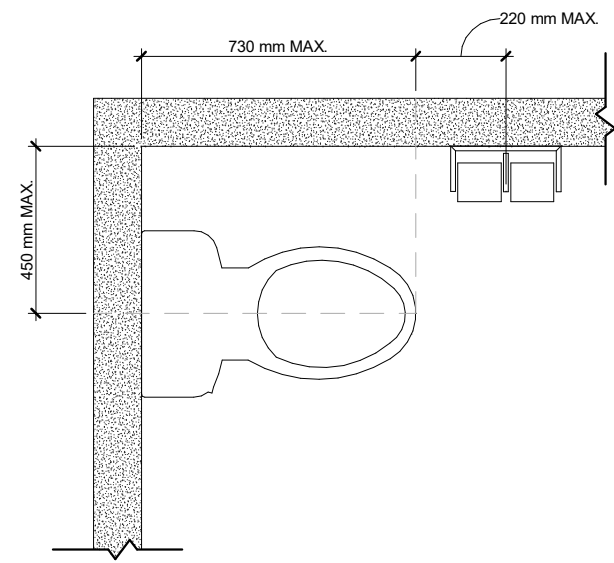
CONSTRUCTION DOCUMENTS

A703

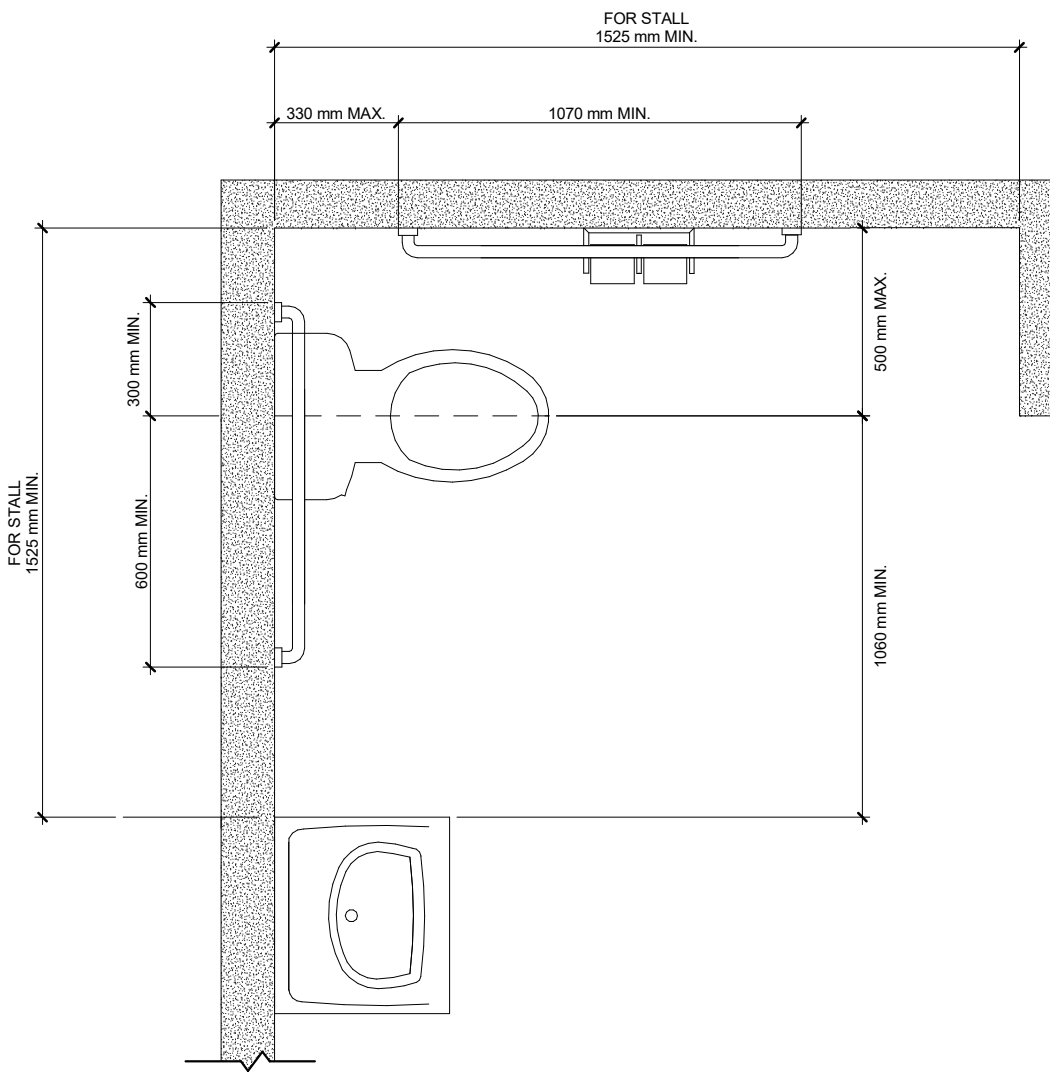
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 NICU EXTENSION

TYPICAL CONDITIONS SHEET NOTES
 1. ALL DIMENSIONS TYPICAL UNLESS OTHERWISE NOTED IN DRAWINGS. REFER TO A704 FOR TYPICAL DIMENSIONS.

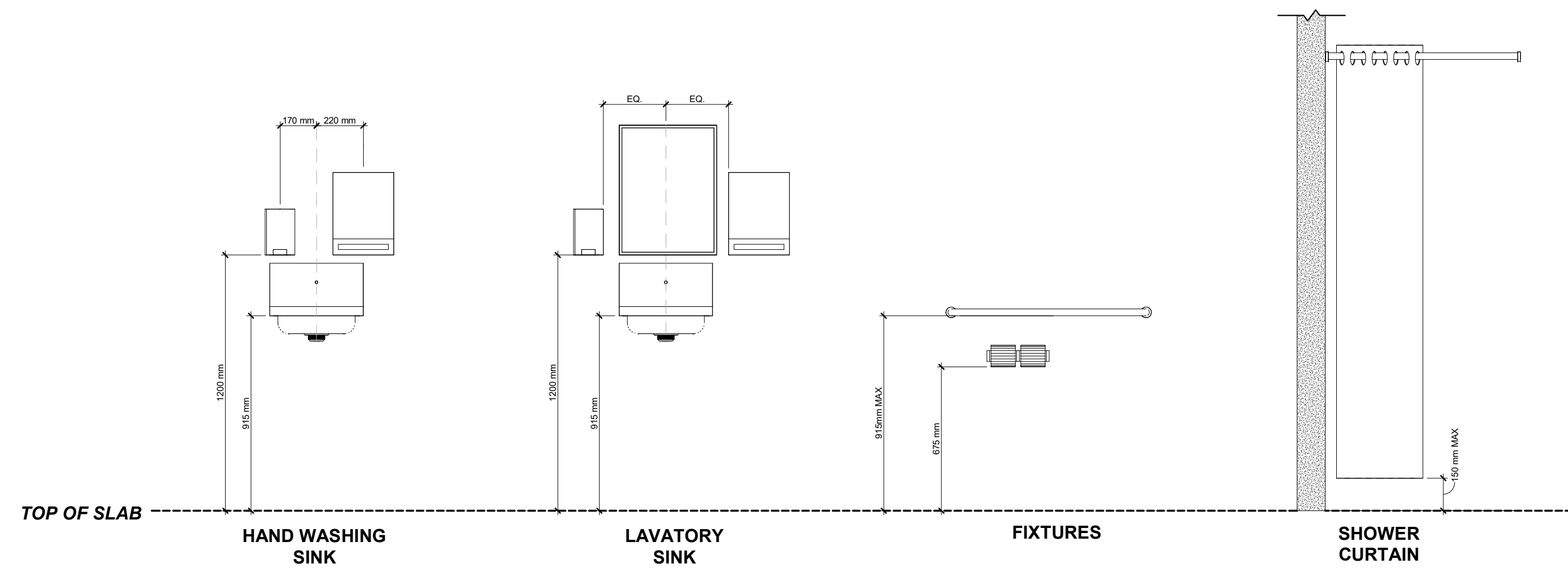


1 WATER CLOSET
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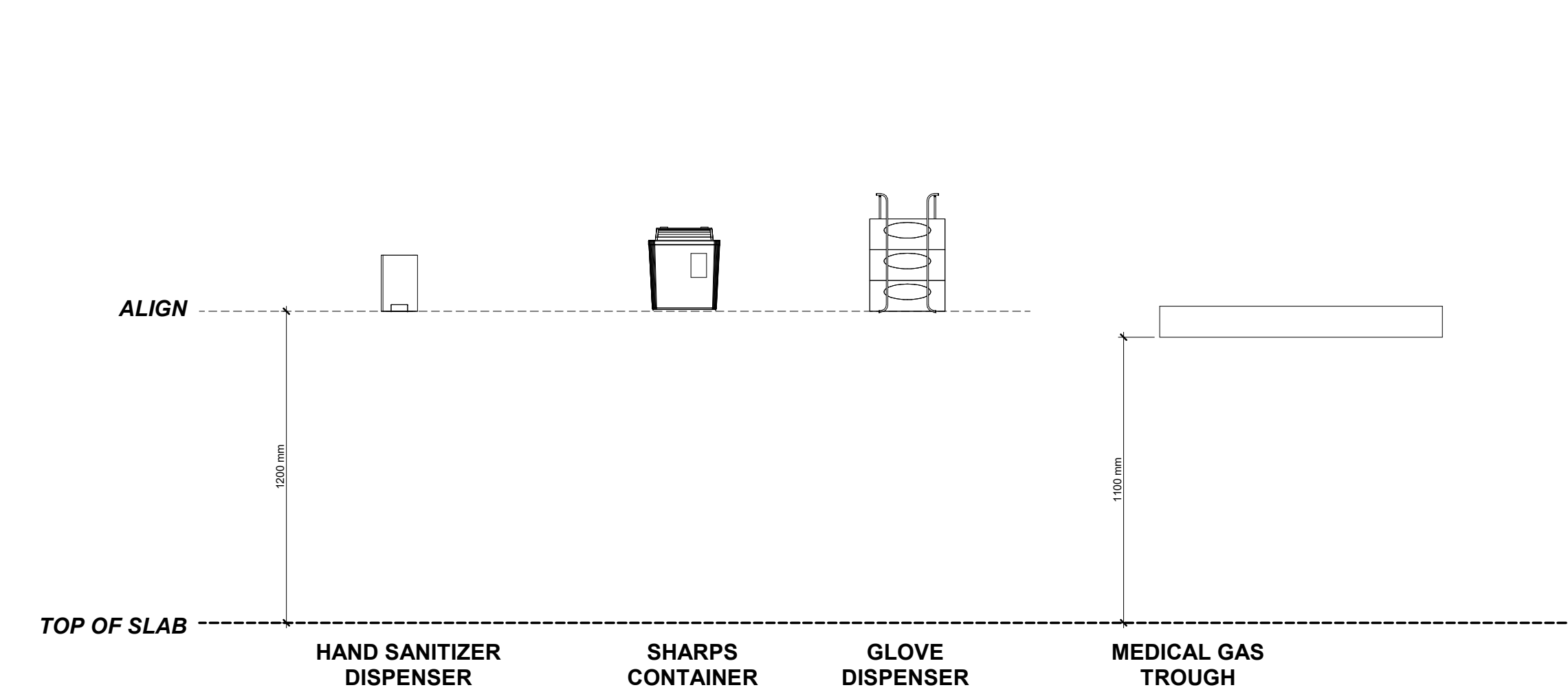


2 ADA BATHROOM & STALL
 SCALE 1 : 20

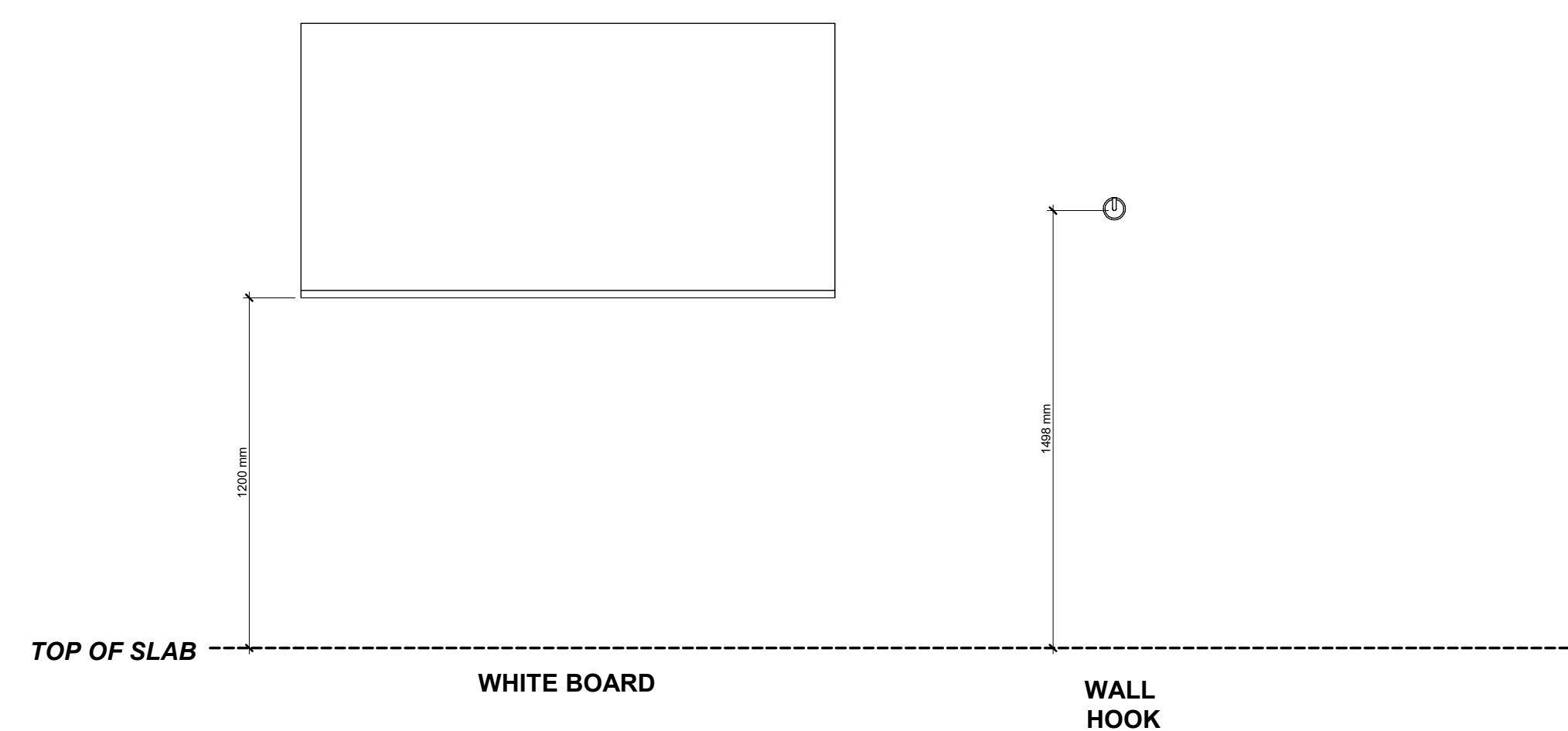
PLUMBING FIXTURES & BATHROOM ACCESSORIES



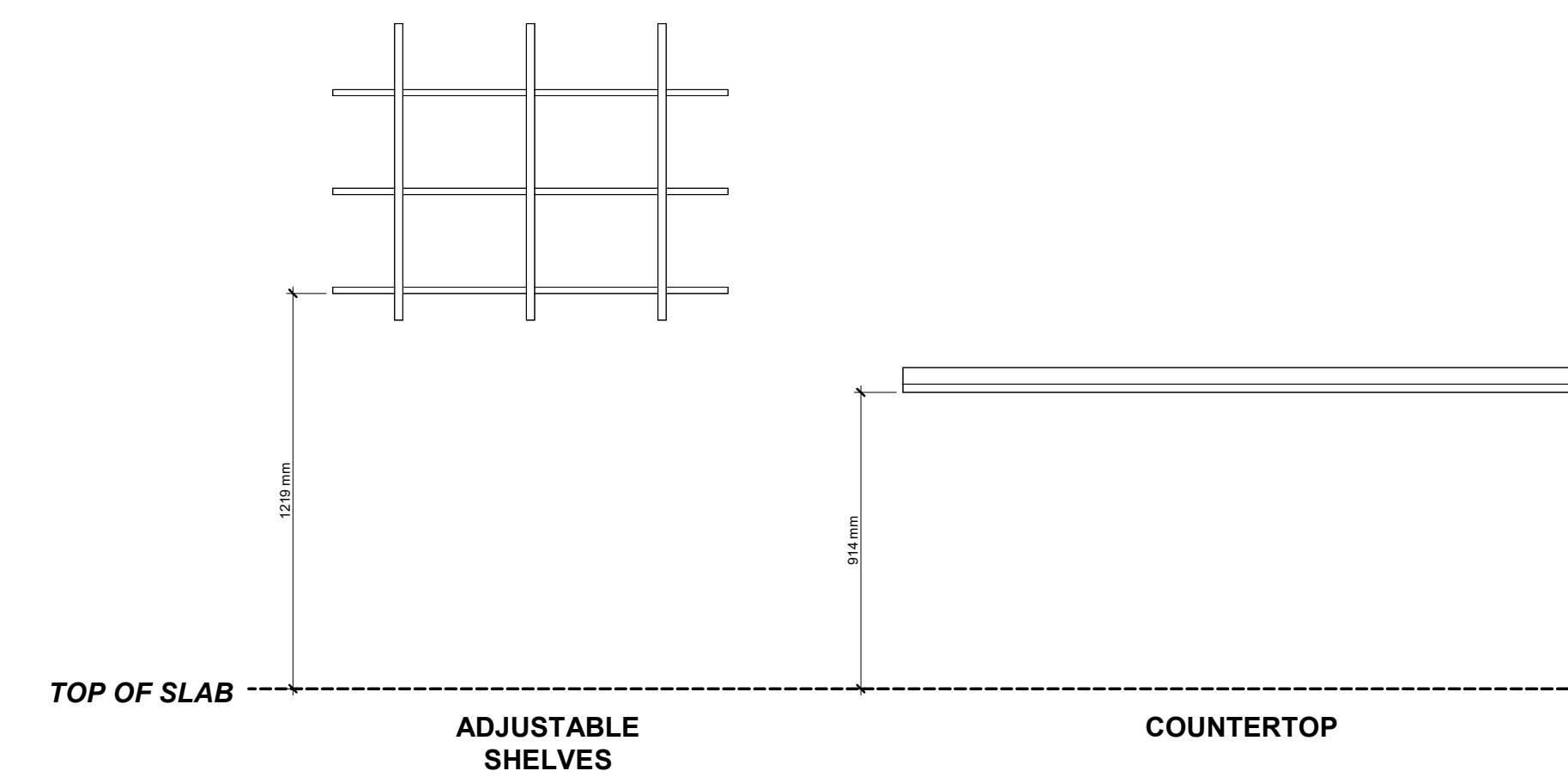
MEDICAL EQUIPMENT



FURNITURE & ADDITIONAL EQUIPMENT



CASEWORK



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KEY PLAN

HOPE HEALTH ACTION

OWNER

NICU EXTENSION
 HCBH HOSPITAL, QUARTIER MORIN, HAITI

PROJECT

TYPICAL CONDITIONS & MOUNTING HEIGHTS

DRAWING TITLE

SCALE As indicated DATE 11/29/22

JOB NUMBER 64-001

DRAWN OL CHECKED GG

CONSTRUCTION DOCUMENTS

A704

DRAWING NUMBER

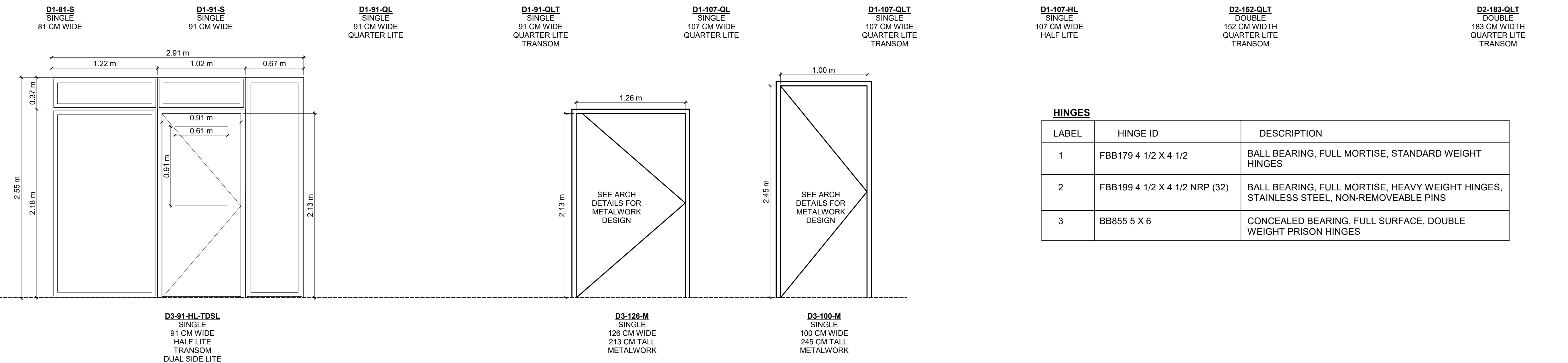
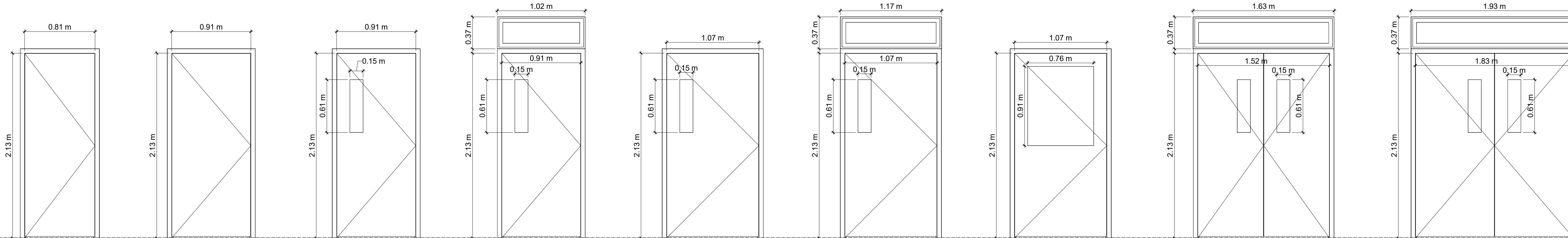
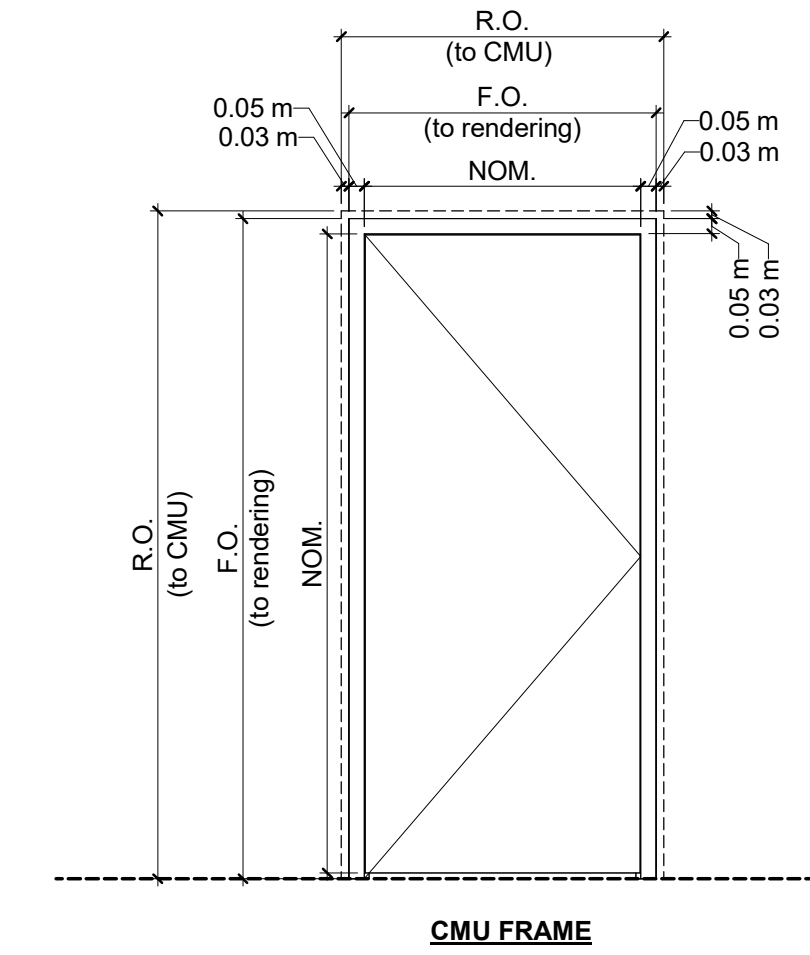
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 NICU EXTENSION

Door Schedule																							
Door No.	Location			Door Type	Door Material	Swing	Opening Dimensions					Frame		Door Louver	Door Lite	Lockset	Hinges	Closer	Kick Plate	Crash Plate	Comments		
	Room	To Room: Name					Nominal Size		Rough Opening			Frame Material	Frame Type										
	From	To	Width				Height	Finished Width	Finished Height	Rough Width	Rough Height												
002	001	002	STORE RM	D1-91-S	Wood	RH	0.91 m	2.13 m	1.02 m	2.18 m	1.07 m	2.21 m	HM	KD			STOREROOM	1	Yes	Yes			
003	001	003	MEDICATION ROOM	D1-91-QL	Wood	RH	0.91 m	2.13 m	1.02 m	2.18 m	1.07 m	2.21 m	HM	KD	12" x 12"	1/4	STOREROOM	1	Yes	Yes			
004	001	004	DOCTOR'S OFFICE	D1-91-QL	Wood	LH	0.91 m	2.13 m	1.02 m	2.18 m	1.07 m	2.21 m	HM	KD			OFFICE	1	Yes				
005A	001	005	AIR LOCK / PPE	D1-107-HL	Wood	LH	1.07 m	2.13 m	1.17 m	2.18 m	1.22 m	2.21 m	HM	KD		1/2	PUSH/PULL WITH KEYPED DEADBOLT	1	Yes		Yes		
005B	005	008	CORRIDOR B	D1-107-HL	Wood	LH	1.07 m	2.13 m	1.17 m	2.18 m	1.22 m	2.21 m	HM	KD		1/2	PUSH/PULL WITH KEYPED DEADBOLT	1	Yes		Yes		
006A	001	006	FAMILY CARE	D1-107-QL	Wood	LH	1.07 m	2.13 m	1.17 m	2.18 m	1.22 m	2.21 m	HM	KD		1/4	PUSH/PULL	1	Yes	No	Yes		
006B	006	006		D1-107-QLT	Metal	RHR	1.07 m	2.13 m	1.17 m	2.18 m	1.22 m	2.21 m	HM	KD		1/4	STOREROOM	2	Yes			EXIT DOOR ALARM	
007	008	007	SLUICE	D1-91-S	Wood	LH	0.91 m	2.13 m	1.02 m	2.18 m	1.07 m	2.21 m	HM	KD	12" x 12"		STOREROOM	1	Yes	Yes			
008A	008	024	CORRIDOR D	D2-152-QLT	Metal	RHR/LHR	1.52 m	2.13 m	1.63 m	2.18 m	1.68 m	2.21 m	HM	KD		1/4	PUSH/PULL WITH KEYPED DEADBOLT	2	Yes				
008B	008	021	CORRIDOR A	D1-107-QL	Wood	RHR	1.07 m	2.13 m	1.17 m	2.18 m	1.22 m	2.21 m	HM	KD		1/4	PUSH/PULL WITH KEYPED DEADBOLT	1	No		Yes	MAGNETIC HOLD OPEN	
008C	008	022	COURTYARD	D1-91-QL	Metal	RHR	0.91 m	2.13 m	1.02 m	2.18 m	1.07 m	2.21 m	HM	KD		1/4	PASSAGE WITH KEYPED DEADBOLT	2	Yes				
009	008	009	NEONATE CHAPEL OF REST	D1-91-QL	Wood	RHR	0.91 m	2.13 m	1.02 m	2.18 m	1.07 m	2.21 m	HM	KD		1/4	CLASSROOM	1	Yes	Yes		LOUVER ABOVE DOOR. SEE WINDOW SCHEDULE AND LEGEND FOR SIZING AND SILL HEIGHT.	
010	008	010	COSH H	D1-91-S	Wood	RH	0.91 m	2.13 m	1.02 m	2.18 m	1.07 m	2.21 m	HM	KD	12" x 12"		STOREROOM	1	Yes	Yes			
011A	008	011	TRAINING / STAFF ROOM	D1-91-QL	Wood	LH	0.91 m	2.13 m	1.02 m	2.18 m	1.07 m	2.21 m	HM	KD		1/4	OFFICE	1				LOUVER ABOVE DOOR. SEE WINDOW SCHEDULE AND LEGEND FOR SIZING AND SILL HEIGHT.	
011B	011	022	COURTYARD	D2-152-QLT	Metal	RHR/LHR	1.52 m	2.13 m	1.63 m	2.18 m	1.68 m	2.21 m	HM	KD		1/4	PASSAGE WITH KEYPED DEADBOLT	2	Yes				
012	011	012	STORE RM	D1-91-S	Wood	LH	0.91 m	2.13 m	1.02 m	2.18 m	1.07 m	2.21 m	HM	KD			PASSAGE	1					
013	008	013	PAT. WC	D1-91-S	Wood	LHR	0.91 m	2.13 m	1.02 m	2.18 m	1.07 m	2.21 m	HM	KD	12" x 12"		THUMBTURN	1					
014	014	008	CORRIDOR B	D1-81-S	Wood	LH	0.81 m	2.13 m	0.91 m	2.18 m	0.97 m	2.21 m	HM	KD	12" x 12"		STOREROOM	1	Yes	Yes			
015	015	008	CORRIDOR B	D1-91-QL	Wood	LHR	0.91 m	2.13 m	1.02 m	2.18 m	1.07 m	2.21 m	HM	KD		1/4	PASSAGE WITH KEYPED DEADBOLT	1	Yes				
016	015	016	STAFF WC	D1-81-S	Wood	RH	0.81 m	2.13 m	0.91 m	2.18 m	0.97 m	2.21 m	HM	KD	12" x 12"		THUMBTURN	1					
017	015	017	STAFF SHOWER	D1-81-S	Wood	RH	0.81 m	2.13 m	0.91 m	2.18 m	0.97 m	2.21 m	HM	KD	12" x 12"		THUMBTURN	1					
018	018	015	CORRIDOR C	D1-91-S	Wood	LHR	0.91 m	2.13 m	1.02 m	2.18 m	1.07 m	2.21 m	HM	KD			CLASSROOM	1				LOUVER ABOVE DOOR. SEE WINDOW SCHEDULE AND LEGEND FOR SIZING AND SILL HEIGHT.	
019	015	019	DOCTORS OVERNIGHT ROOM	D1-91-S	Wood	RH	0.91 m	2.13 m	1.02 m	2.18 m	1.07 m	2.21 m	HM	KD			CLASSROOM	1				LOUVER ABOVE DOOR. SEE WINDOW SCHEDULE AND LEGEND FOR SIZING AND SILL HEIGHT.	
020A	008	020	FAMILY SUPPORT UNIT/SOCIAL WORKER	D1-91-S	Wood	RH	0.91 m	2.13 m	1.02 m	2.18 m	1.07 m	2.21 m	HM	KD			OFFICE	1	No			LOUVER ABOVE DOOR. SEE WINDOW SCHEDULE AND LEGEND FOR SIZING AND SILL HEIGHT.	
020B	020	020	FAMILY SUPPORT UNIT/SOCIAL WORKER	D1-91-QLT	Metal	LH	0.91 m	2.13 m	1.02 m	2.18 m	1.07 m	2.21 m	HM	KD		1/4	STOREROOM	2	Yes				
021B	021			D3-91-HL-TDSL	Metal	RHR	0.91 m	2.13 m	1.02 m	2.18 m	1.07 m	2.21 m	HM	KD		1/2	STOREROOM	2	Yes				
023A	023		FOYER	D2-183-QLT	Metal	RHR/LHR	1.83 m	2.13 m	1.93 m	2.18 m	1.98 m	2.21 m	HM	KD		1/4	STOREROOM	2	Yes				
023B	023	022	COURTYARD	D2-183-QLT	Metal	RHR/LHR	1.83 m	2.13 m	1.93 m	2.18 m	1.98 m	2.21 m	HM	KD		1/4	PASSAGE WITH KEYPED DEADBOLT	2	Yes				
024	024		CORRIDOR D	D3-126-M	Metalwork	LHR	1.26 m	2.13 m					Metalwork	Metalwork			STOREROOM	3				METALWORK PANEL DOOR.	
025	025			D3-100-M	Metalwork	LHR	1.00 m	2.45 m					Metalwork	Metalwork			STOREROOM	3				METALWORK PANEL DOOR.	

GENERAL NOTES:
1. ALL HARDWARE AND LOCKSETS TO BE DETERMINED IN COORDINATION WITH THE PARTNER.
2. ALL DOOR LOUVERS NEED TO BE COORDINATED WITH MEP.

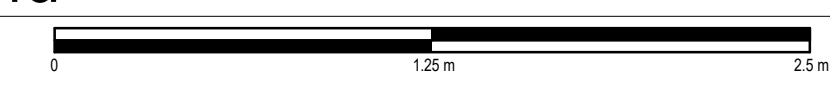
DOOR LEGEND KEY:
S - Solid
QL - Quarter Lite
QLT - Quarter Lite Transom
HL-TDSL - Half Lite Transom Dual Side Lite
M - Metalwork

D1 - Single Door
D2 - Double Door
D3 - Other



HINGES		
LABEL	HINGE ID	DESCRIPTION
1	FBB179 4 1/2 X 4 1/2	BALL BEARING, FULL MORTISE, STANDARD WEIGHT HINGES
2	FBB199 4 1/2 X 4 1/2 NRP (32)	BALL BEARING, FULL MORTISE, HEAVY WEIGHT HINGES, STAINLESS STEEL, NON-REMOVEABLE PINS
3	BB855 5 X 6	CONCEALED BEARING, FULL SURFACE, DOUBLE WEIGHT PRISON HINGES

Door Legend
SCALE 1 : 25



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KEY PLAN

HOPE HEALTH ACTION

OWNER

NICU EXTENSION
HCBH HOSPITAL, QUARTIER MORIN, HAITI

PROJECT

DOOR SCHEDULE

DRAWING TITLE

SCALE As indicated DATE 12/16/2022

JOB NUMBER 64-001

DRAWN GL CHECKED Checker

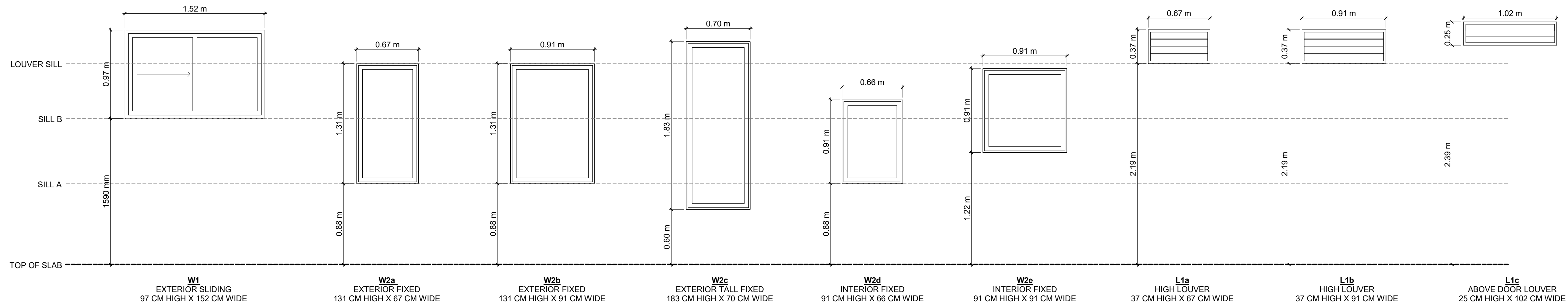
CONSTRUCTION DOCUMENTS

A901

DRAWING NUMBER

Window Schedule								
Type Mark	Window Type	Count	Height	Width	Level	Sill Height	Head Height	Comments
L1a	HIGH LOUVER	1	0.37 m	0.67 m	SILL A	1.31 m	1.68 m	ABOVE WINDOW
L1b	HIGH LOUVER	3	0.37 m	0.91 m	SILL A	1.31 m	1.68 m	ABOVE WINDOW
L1c	ABOVE DOOR LOUVER	5	0.25 m	1.02 m	SILL B	0.80 m	1.06 m	SILL HEIGHT 8" ABOVE DOOR FRAME
W1	EXTERIOR SLIDING WINDOW	4	0.97 m	1.52 m	SILL B	0.00 m	0.97 m	
W2a	EXTERIOR FIXED WINDOW	1	1.31 m	0.67 m	SILL A	0.00 m	1.31 m	
W2b	EXTERIOR FIXED WINDOW	9	1.31 m	0.91 m	SILL A	0.00 m	1.31 m	
W2c	EXTERIOR TALL FIXED WINDOW	12	1.83 m	0.70 m	T.O.S.	0.60 m	2.43 m	
W2d	INTERIOR FIXED WINDOW	1	0.91 m	0.66 m	SILL A	0.00 m	0.91 m	
W2e	INTERIOR FIXED WINDOW	1	0.91 m	0.91 m	SILL A	0.34 m	1.25 m	

GENERAL NOTES
 1. LEVEL SILL A IS 88 CM ABOVE TOP OF SLAB.
 2. LEVEL SILL B IS 159 CM ABOVE TOP OF SLAB.



Window Legend

SCALE 1 : 25

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KEY PLAN

HOPE HEALTH ACTION

OWNER

NICU EXTENSION
 HCBH HOSPITAL, QUARTIER MORIN, HAITI

PROJECT

WINDOW SCHEDULE

DRAWING TITLE

SCALE 1 : 25 DATE 12/19/2022

JOB NUMBER 64-001

DRAWN AD CHECKED Checker

CONSTRUCTION DOCUMENTS

A902

DRAWING NUMBER

GENERAL STRUCTURAL NOTES

GENERAL

- MATERIALS, WORKMANSHIP AND DETAILS SHALL CONFORM TO THE REQUIREMENTS OF THE 2015 INTERNATIONAL BUILDING CODE AND THE REFERENCE STANDARDS INCLUDED THEREIN.
- CONTRACTOR SHALL EXAMINE ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR VERIFICATION OF LOCATION AND DIMENSIONS OF CHASES, INSERTS, OPENINGS, SLEEVES, WASHES, DRIPS, REVEALS, DEPRESSIONS AND OTHER PROJECT REQUIREMENTS NOT SHOWN ON THE STRUCTURAL DRAWINGS. ANY DISCREPANCIES BETWEEN STRUCTURAL AND OTHER DRAWINGS WHICH ARE UNCOVERED BY THE CONTRACTOR SHALL BE REPORTED TO THE PROJECT ARCHITECT BEFORE PROCEEDING WITH THE WORK SO THAT THE PROPER ADJUSTMENT CAN BE MADE.
- CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS ON THE PROJECT.
- ALL FRAMING MEMBERS AND PRIMARY STRUCTURAL ELEMENTS ARE TO BE CENTERED ON GRIDLINES, OR SET AT EQUAL SPACINGS BETWEEN GRIDS, UNLESS OTHERWISE NOTED. DO NOT SCALE DRAWINGS IF DIMENSIONS ARE NOT EXPLICITLY NOTED.
- NO MAIN FRAMING OR STRUCTURAL MEMBERS ARE TO BE MODIFIED, ALTERED OR CUT WITHOUT THE APPROVAL OF THE PROJECT ENGINEER.
- DETAILS NOT SPECIFICALLY SHOWN SHALL BE SIMILAR TO THOSE SHOWN FOR THE MOST NEARLY SIMILAR SITUATION, AS DETERMINED BY THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL JOB SAFETY DURING CONSTRUCTION INCLUDING BUT NOT LIMITED TO SHEETING, SHORING AND GUYING STRUCTURES, BARRIERS AND SIGNAGE, AND ALL TEMPORARY CONDITIONS.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL A CONSTRUCTION MEANS, METHODS, CO-ORDINATION AF OTHER TRADES AND TECHNIQUES TO PRODUCE A SOUND AND QUALITY BUILDING. ALL DIMENSIONS ELEVATIONS AND CONDITIONS MUST BE VERIFIED BY THE GENERAL CONTRACTOR OR RESPONSIBLE TRADES.

DESIGN LOADS & CRITERIA

- RISK CATEGORY IV
- LIVE LOADS:

GROUND FLOOR	100 PSF
ROOF	20 PSF
- SUPER IMPOSED DEAD LOADS:

HUNG CEILING AND MECHANICAL	10 PSF
SLOPING ROOF TOPPING GROUT	20 PSF
BALLASTED SOLAR PANELS (FUTURE)	10 PSF
- WIND LOADS:

DESIGN WIND SPEED	136 MPH
EXPOSURE	C
ENCLOSURE CLASSIFICATION	ENCLOSED
- SEISMIC LOADS:

SITE CLASS	E
S _s	1.48g
S _r	0.58g
SEISMIC DESIGN CATEGORY	D
STRUCTURAL SYSTEM	ORDINARY REINFORCED CONCRETE MOMENT FRAME
RESPONSE MODIFICATION FACTOR, R	8
OVER-STRENGTH FACTOR, Ω	3
DEFLECTION AMPLIFICATION FACTOR, C _d	2.5
SEISMIC RESPONSE COEFFICIENT, C _s	1.9%

FOUNDATIONS

- FOUNDATION DESIGN IS BASED ON ESTIMATED GROUND CONDITIONS BASED ON VISUAL OBSERVATIONS OF TEST PIT PHOTOGRAPHS PROVIDED TO BHI ON 4/10/2021
- DESIGN OF FOUNDATION ELEMENTS ARE BASED ON THE FOLLOWING DESIGN PARAMETERS:

NET ALLOWABLE BEARING PRESSURE	2,000 PSF (85 kN/m ²)
BASEMENT WALL, EQUIVALENT FLUID PRESSURE	65H [H = WALL HEIGHT] (kg/m ²)
SITE RETAINING WALL, EFP	45H (kg/m ²)
PASSIVE PRESSURE RESISTANCE, EFP	320D [D = DEPTH OF WALL EMBEDMENT] (kg/m ²)
- EXCAVATE TO LINES AND GRADES REQUIRED TO PROPERLY INSTALL THE FOUNDATIONS ON CONTROLLED STRUCTURAL BACKFILL. EXCAVATE TO A MINIMUM DEPTH OF 1.5 METERS BELOW GRADE AND BACKFILL TO THE REQUIRED BOTTOM OF FOOTING ELEVATION WITH A MINIMUM OF 0.5 METERS OF STRUCTURAL BACKFILL.
- REMOVE ALL SILTY TOPSOIL OR OBJECTIONABLE MATERIAL FROM UNDER SLABS ON GRADE. ALL EXCAVATIONS SHALL BE DRY BEFORE PLACING ANY CONCRETE.
- BACKFILL THE EXCAVATION WITH APPROVED GRANULAR MATERIAL PLACED IN 6 INCH LAYERS AND COMPACTED TO 95% DENSITY AT OPTIMUM MOISTURE CONTENT, AS DEFINED BY ASTM D1557. METHOD AFTER BOTTOM OF EXCAVATION HAS BEEN APPROVED BY THE PROJECT ENGINEER. WHERE FILL DEPTH EXCEEDS 3 METERS, MATERIAL SHALL BE COMPACTED TO 98% DENSITY FOR FULL DEPTH OF FILL.
- CONTROLLED FILL FOR ALL BUILDING FOOTPRINTS SHALL EXTEND A MINIMUM OF 5FT (1.5 M) Laterally OUTSIDE THE BUILDING FOOTPRINT AND AT A SLOPE OF 1:1 FROM EXISTING SUBGRADE TO FINAL ELEVATION.

REINFORCED CONCRETE

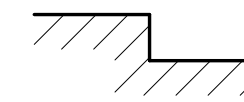
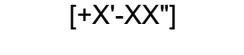
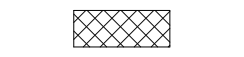

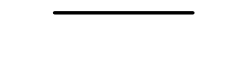



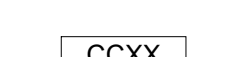
- CONCRETE WORK SHALL COMPLY WITH THE RECOMMENDATIONS OF THE FOLLOWING STANDARDS:
 - ACI-301-14 SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS
 - ACI-315 DETAILING REINFORCING STEEL
 - ACI-347 FORMWORK
 - ACI-318 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
 - ACI-318, CHAPTER 22 BUILDING CODE REQUIREMENTS FOR STRUCTURAL PLAIN CONCRETE
- ALL CONCRETE SHALL BE 145 PCF +/- 5 PCF NORMAL WEIGHT CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH (f_c) OF 3000 PSI AT 28 DAYS. SLUMP 3 TO 5 INCHES
- ALL REINFORCING SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS:
 - DEFORMED BARS ASTM A615, GRADE 60
 - WELDED WIRE FABRIC SHALL ASTM A185
 - WELDABLE DEFORMED BARS ASTM A706
- THE USE OF CONSTRUCTION JOINTS WHERE SHOWN ON THE DRAWINGS IS MANDATORY. OMISSIONS ADDITIONS OR CHANGES SHALL NOT BE MADE EXCEPT WITH THE APPROVAL OF THE PROJECT ENGINEER
- HORIZONTAL CONSTRUCTION JOINTS, EXCEPT WHERE SHOWN OR NOTED, ARE NOT PERMITTED. VERTICAL CONSTRUCTION JOINTS IN BEAMS AND GRADE BEAMS SHALL BE LOCATED WITHIN THE MIDDLE THIRD OF THE SPAN OF THE ELEMENT, AVOIDING REINFORCEMENT LAP SPLICES
- MINIMUM CONCRETE COVER FOR REINFORCEMENT SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED PER ACI 318-14:

UNFORMED SURFACES IN CONTACT WITH GROUND OR WEATHER	3 INCHES
FORMED SURFACES IN CONTACT WITH GROUND OR WEATHER	2 INCHES
INTERIOR SLABS AND WALL SURFACES	3/4 INCH
BEAMS, GIRDERS, AND COLUMNS	1 1/2 INCH
- WHERE REINFORCEMENT IS CALLED FOR IN SECTION, REINFORCEMENT IS CONSIDERED TYPICAL WHEREVER THE SECTION APPLIES.
- REINFORCING BARS SHALL BE PLACED IN ACCORDANCE WITH THE LATEST EDITION OF THE CRSI "RECOMMENDED PRACTICE FOR PLACING REINFORCING BARS". PLACE REINFORCING USING STANDARD BAR SUPPORTS TO PROVIDE PROPER CLEARANCE AND PREVENT DISPLACEMENT DURING CONCRETE OPERATIONS. LAP CONTINUOUS BARS 40 DIAMETERS.
- REINFORCEMENT SHALL BE CONTINUOUS THROUGH ALL CONSTRUCTION JOINTS UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
- PROVIDE TWO #4 BARS EACH SIDE OF ALL OPENINGS IN WALLS AND SLABS. BARS TO EXTEND 24" BEYOND EDGE OF OPENINGS. (FOR SIZE AND LOCATION OF OPENINGS, SEE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS.)
- DETAILS NOT SHOWN ON DRAWINGS SHALL BE IN ACCORDANCE WITH THE ACI DETAILING MANUAL (ACI 315).
- UNLESS OTHERWISE INDICATED, DETAILS SHOWN ON ANY DRAWING ARE TO BE CONSIDERED TYPICAL FOR ALL SIMILAR CONDITIONS.
- WELDED WIRE FABRIC SHALL LAP 6 INCHES OR ONE SPACE, WHICHEVER IS LARGER, AND SHALL BE WIRED TOGETHER AT 3'-0" ON CENTER.
- FORMWORK SHALL BE SMOOTH PLYWOOD FORMS FOR EXPOSED SLABS OR VERTICAL SURFACES. BOARD FORMS FOR FOOTINGS OR UNEXPOSED CONCRETE SURFACES. PROPERLY BRACE AND SHORE FORMWORK TO MAINTAIN ALIGNMENT AND TOLERANCES IN ACCORDANCE WITH ACI 347.
- PLACE CONCRETE BY APPROVED METHODS OF ACI 304.
- LAP REINFORCEMENT AT LOCATIONS SPECIFIED ON THE DRAWINGS. ALL BARS WITH DISCONTINUOUS ENDS SHALL BE TERMINATED WITH STANDARD HOOKS, UNLESS NOTED OTHERWISE.

STRUCTURAL STEEL

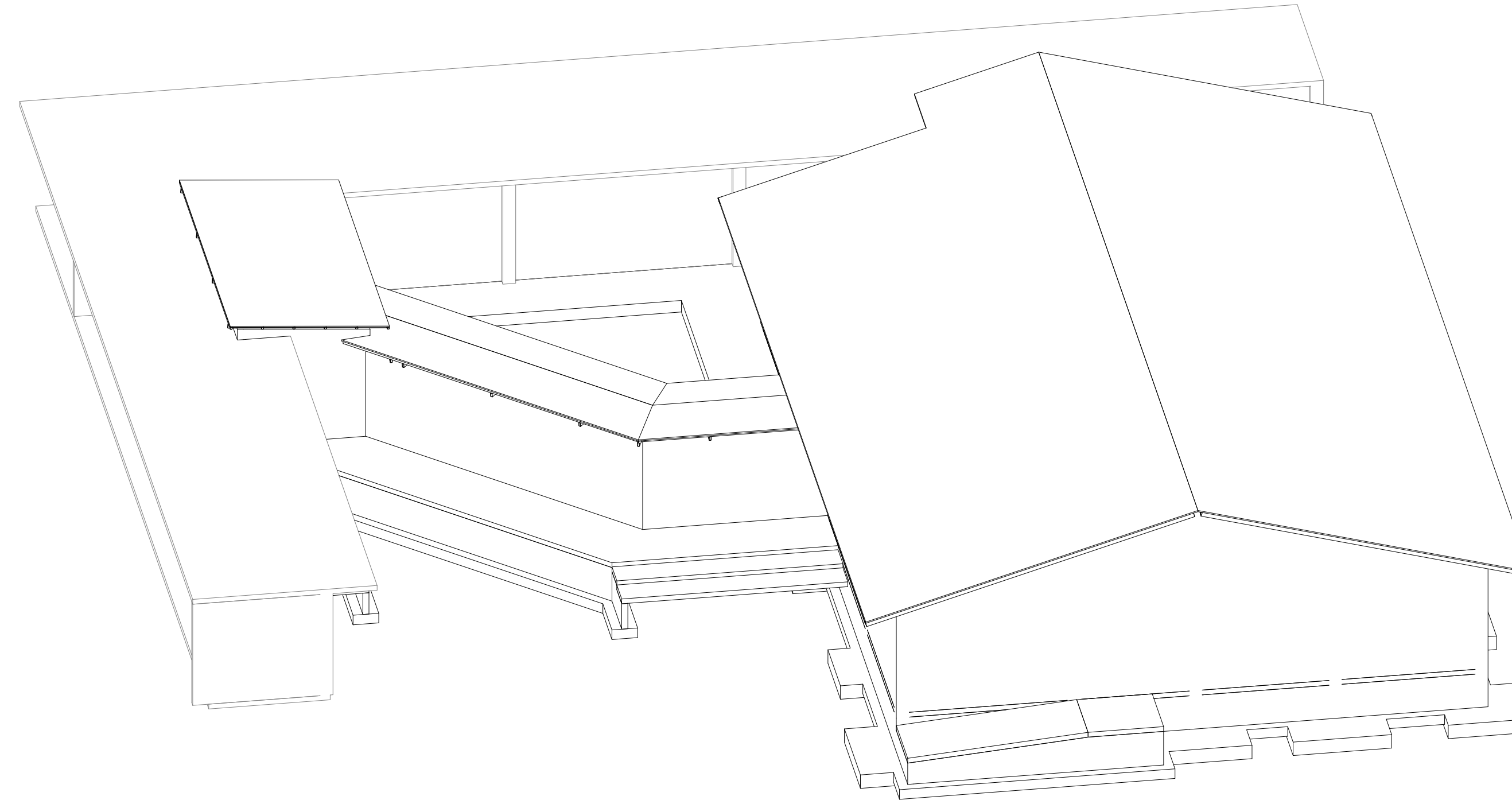
- STRUCTURAL STEEL SHALL CONFORM TO THE SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, (AISC 360 - 2010) BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)
- STRUCTURAL STEEL DETAILS NOT SPECIFICALLY SHOWN SHALL BE TAKEN AS SIMILAR TO THOSE SHOWN FOR THE MOST SIMILAR CONDITION
- STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATION:
 - WIDE FLANGE, CHANNEL & ANGLE SECTIONS A36
 - PLATE AND BAR A36
 - ROUND & SQUARE HSS ASTM A500, GRADE D (F_y = 36 KSI)
 - ANCHOR BOLTS F1554, GRADE 36
 - HIGH STRENGTH BOLTS A325 OR A490
- ALL WELDED CONNECTIONS SHALL USE FILLER METAL CONFORMING TO E70XX PER AWS D1.1
- WELDS SHALL DEVELOP THE FULL CAPACITY OF THE MEMBER BEING CONNECTED, UNLESS NOTED OTHERWISE. FILLET WELDS SHALL BE A MINIMUM OF 1/4"
- FIELD CUTTING OR MODIFICATION OF ANY STRUCTURAL STEEL MEMBER SHALL NOT BE MADE WITHOUT PRIOR WRITTEN APPROVAL OF THE ARCHITECT OR ENGINEER FOR EACH CASE

STRUCTURAL STANDARD SYMBOLS

-  INDICATES CHANGE IN TOP OF SLAB ELEVATION
-  [+X-XX"] CHANGE IN MEMBER ELEVATION RELATIVE TO NOTED TYPICAL
-  CONCRETE MASONRY UNIT (CMU)
-  CONCRETE (SECTION)
-  INDICATES STEEL FRAMING MEMBER
-  INDICATES FOAM VOID IN CONCRETE RIB SLAB
-  INDICATES CONCRETE BEAM
-  INDICATES CONCRETE BEAM ID, SEE SCHEDULE
-  INDICATES CONCRETE COLUN ID, SEE SCHEDULE

DRAWING LIST

Drawing List	
NUMBER	NAME
S001	GENERAL STRUCTURAL NOTES & SYMBOLS
S100	STRUCTURAL DEMO PLAN
S101	STRUCTURAL PLAN - LEVEL 1
S102	STRUCTURAL PLAN - LEVEL 2
S103	STRUCTURAL PLAN - LEVEL 3
S200	MASONRY WALL DETAILS
S201	MASONRY WALL DETAILS
S300	FOUNDATION SCHEDULES & DETAILS
S301	COLUMN/BEAM SCHEDULES & DETAILS
S400	STRUCTURAL STEEL DETAILS
S401	STRUCTURAL STEEL DETAILS



NO.	DATE	DESCRIPTION
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KEY PLAN

HOPE HEALTH ACTION

OWNER

NICU EXTENSION
HCBH HOSPITAL, QUARTIER MORIN, HAITI

PROJECT

GENERAL STRUCTURAL NOTES & SYMBOLS

DRAWING TITLE

SCALE 1 : 100 DATE 03/17/2023

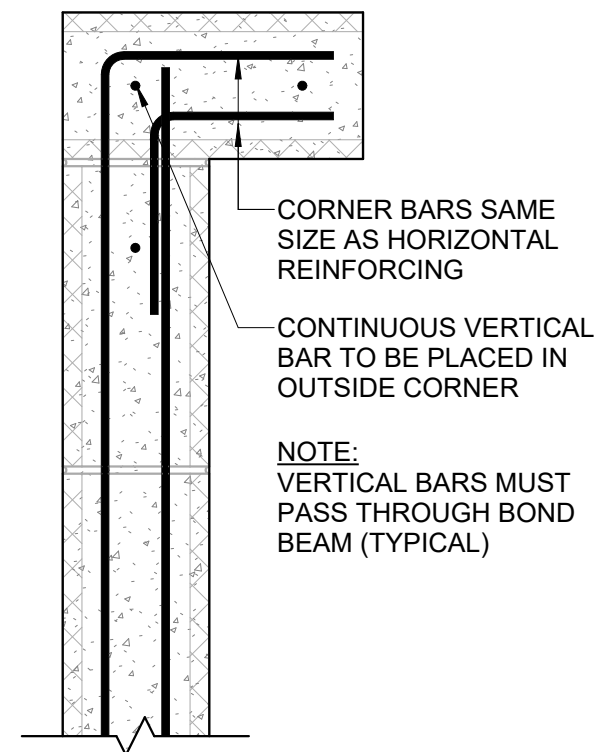
JOB NUMBER 64-001

DRAWN VO CHECKED FT

CONSTRUCTION DOCUMENT

S001

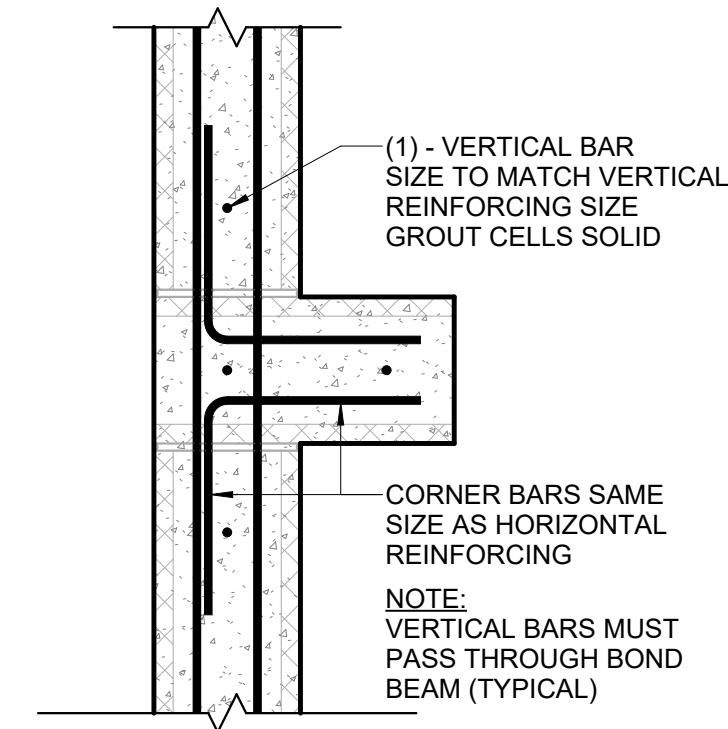
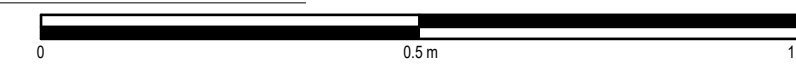
DRAWING NUMBER



1 HORIZONTAL REINFORCEMENT CORNER

1 DETAIL

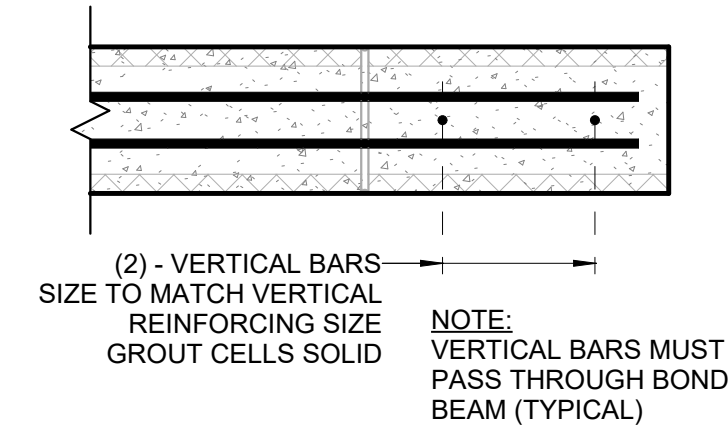
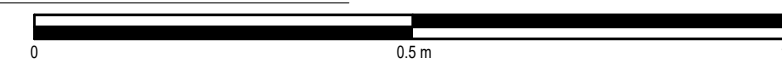
SCALE 1 : 10



2 HORIZONTAL REINFORCEMENT

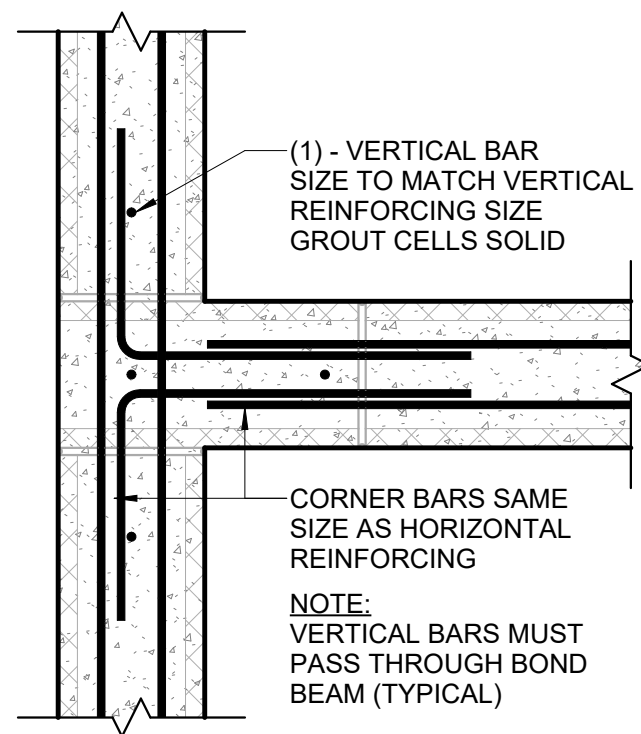
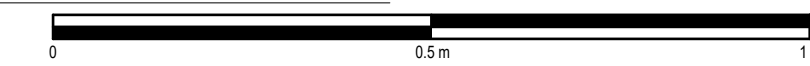
2 INTERSECTION DETAIL

SCALE 1 : 10



3 WALL END DETAIL

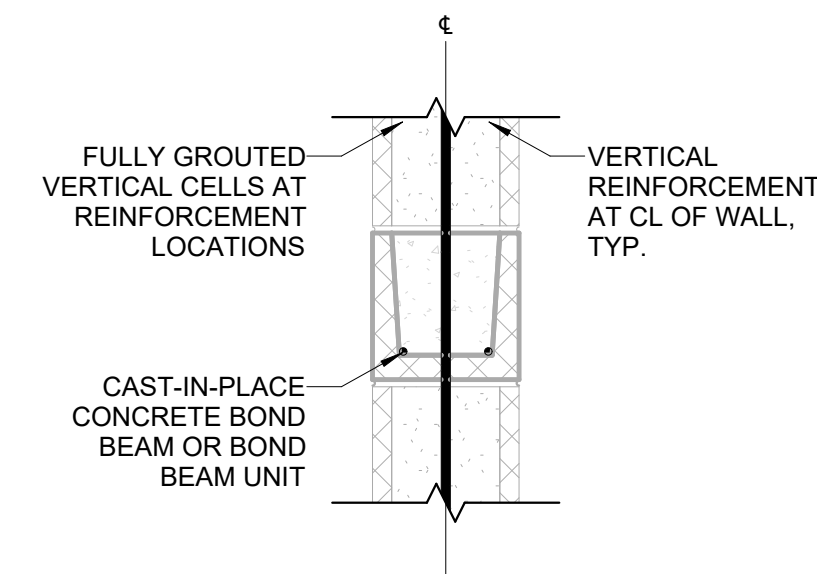
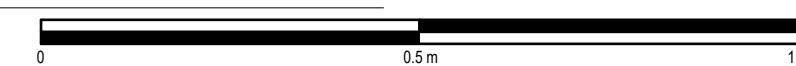
SCALE 1 : 10



4 HORIZONTAL REINFORCEMENT

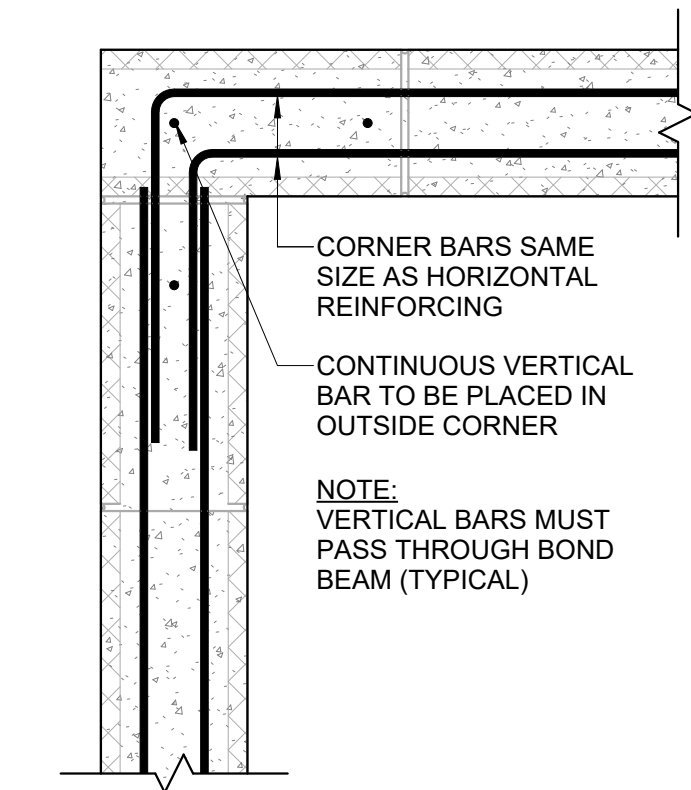
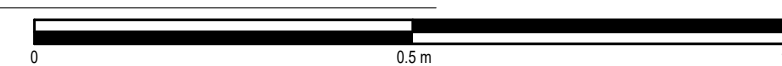
4 INTERSECTION DETAIL

SCALE 1 : 10



5 TYPICAL MASONRY WALL SECTION

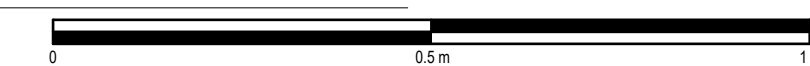
SCALE 1 : 10



6 HORIZONTAL REINFORCEMENT CORNER

6 DETAIL

SCALE 1 : 10



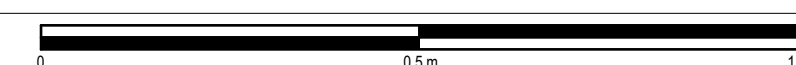
BAR SIZE	MASONRY LAB SPLICE SCHEDULE			
	6" BLOCK		8" BLOCK	
	SINGLE BARS	MULTIPLE BARS	SINGLE BARS	MULTIPLE BARS
#3	30cm	30cm	30cm	40cm
#4	40cm	72.5cm	32.5cm	50cm
#5	80cm	115cm	67.5cm	115cm

LAP SPLICE NOTES:

- SINGLE BAR SPLICE LENGTHS ARE PERMITTED ONLY WHERE A SINGLE BAR IS PROVIDED IN EITHER THE VERTICAL OR HORIZONTAL DIRECTION IN ANY GIVEN CELL; AT ALL OTHER LOCATIONS PROVIDE SPLICE LENGTH FOR MULTIPLE BARS IN LINTEL OR SILL LOCATIONS
- HORIZONTAL BARS ARE NOT TO BE SPLICED ABOVE OR BELOW WALL OPENINGS
- SINGLE BARS ARE ASSUMED TO BE LOCATED IN THE CENTER OF THE WALL; BARS THAT ARE OFFSET FROM THE CENTER OF THE WALL SHALL BE SPLICED AS "MULTIPLE BARS"

7 TYPICAL MASONRY LAP SPLICE SCHEDULE

SCALE 1 : 10



NO.	DATE	DESCRIPTION
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KEY PLAN

HOPE HEALTH ACTION

OWNER

NICU EXTENSION

HCBH HOSPITAL, QUARTIER MORIN, HAITI

PROJECT

MASONRY WALL DETAILS

DRAWING TITLE

SCALE 1 : 10 DATE 03/17/2023

JOB NUMBER 64-001

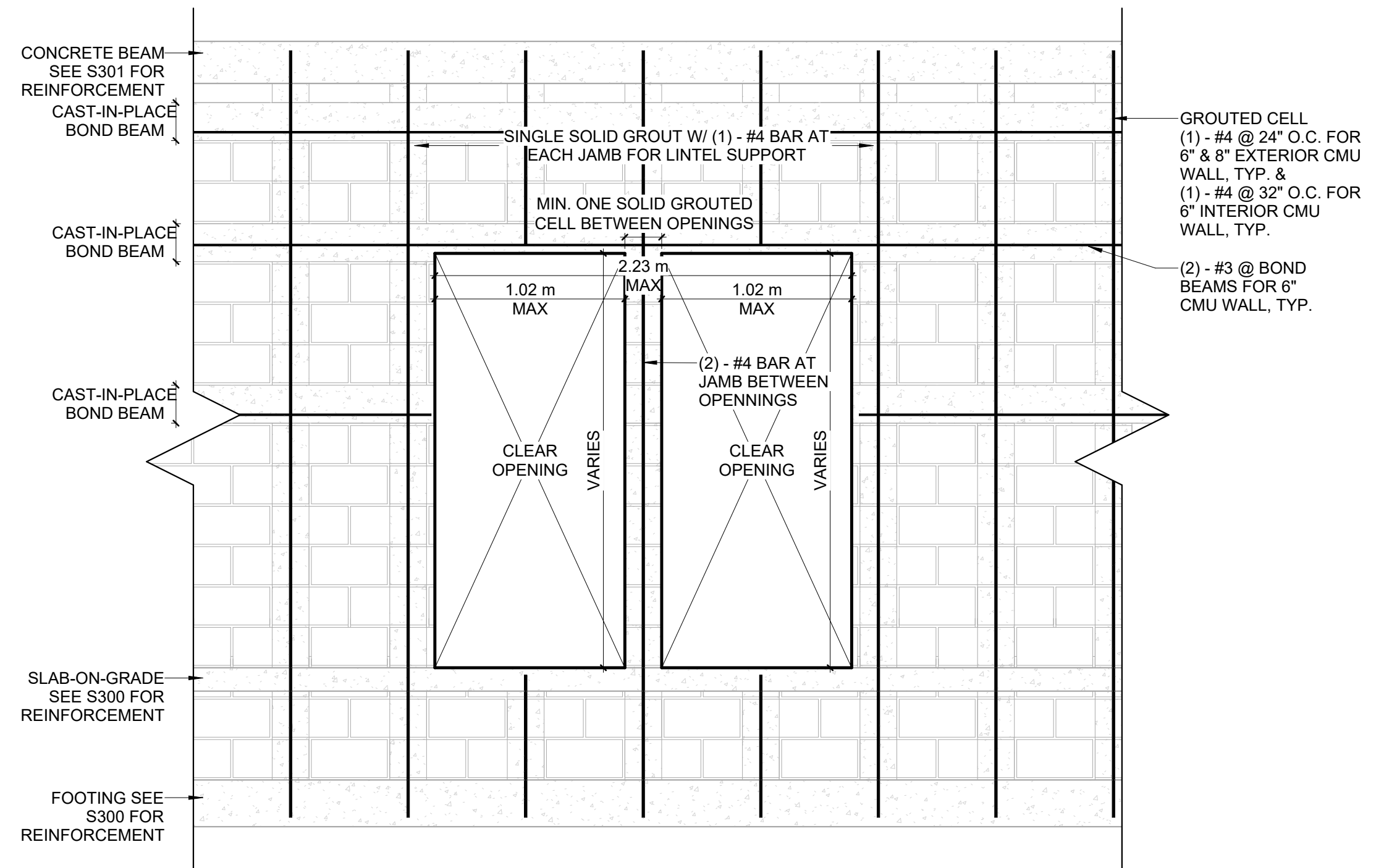
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CONSTRUCTION DOCUMENT

S200

DRAWING NUMBER

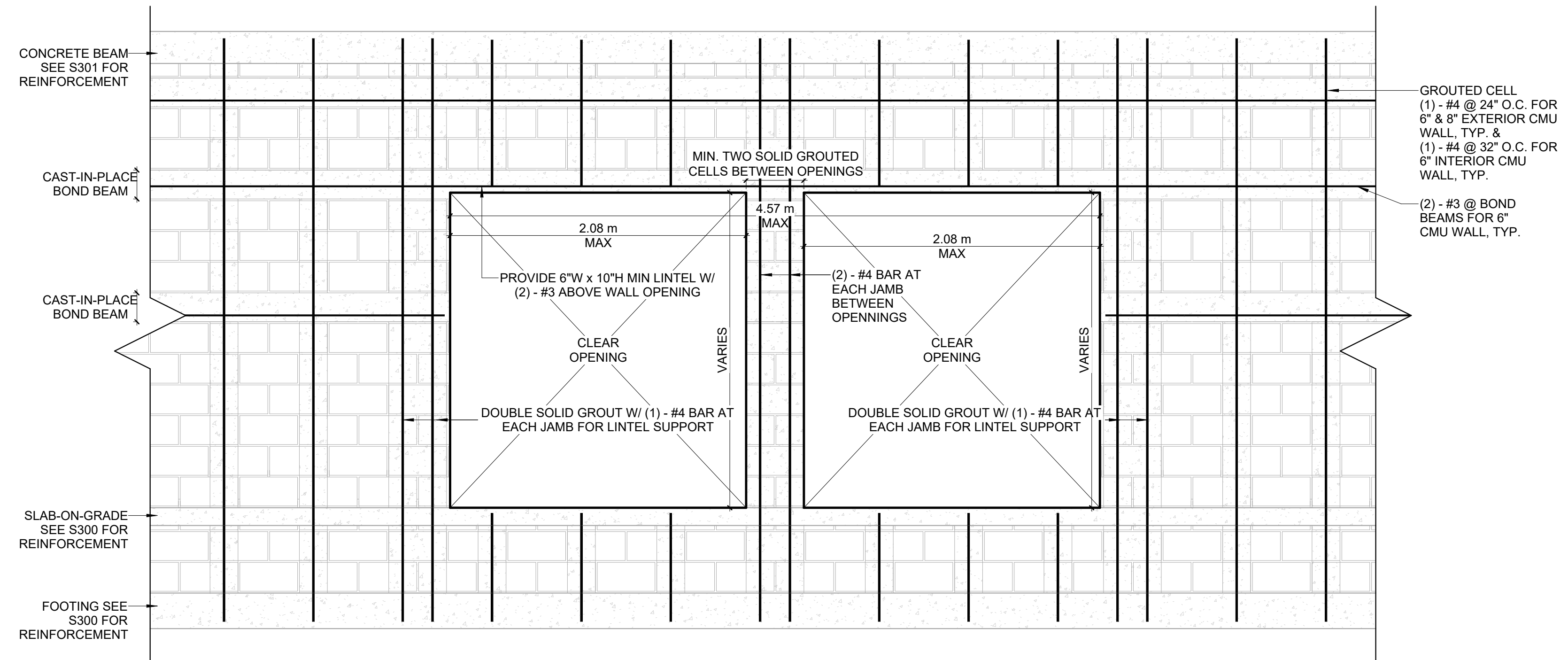
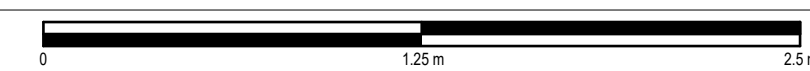
NO.	DATE	DESCRIPTION



TYPICAL MASONRY WALL OPENING DETAILS

1 (DOORS)

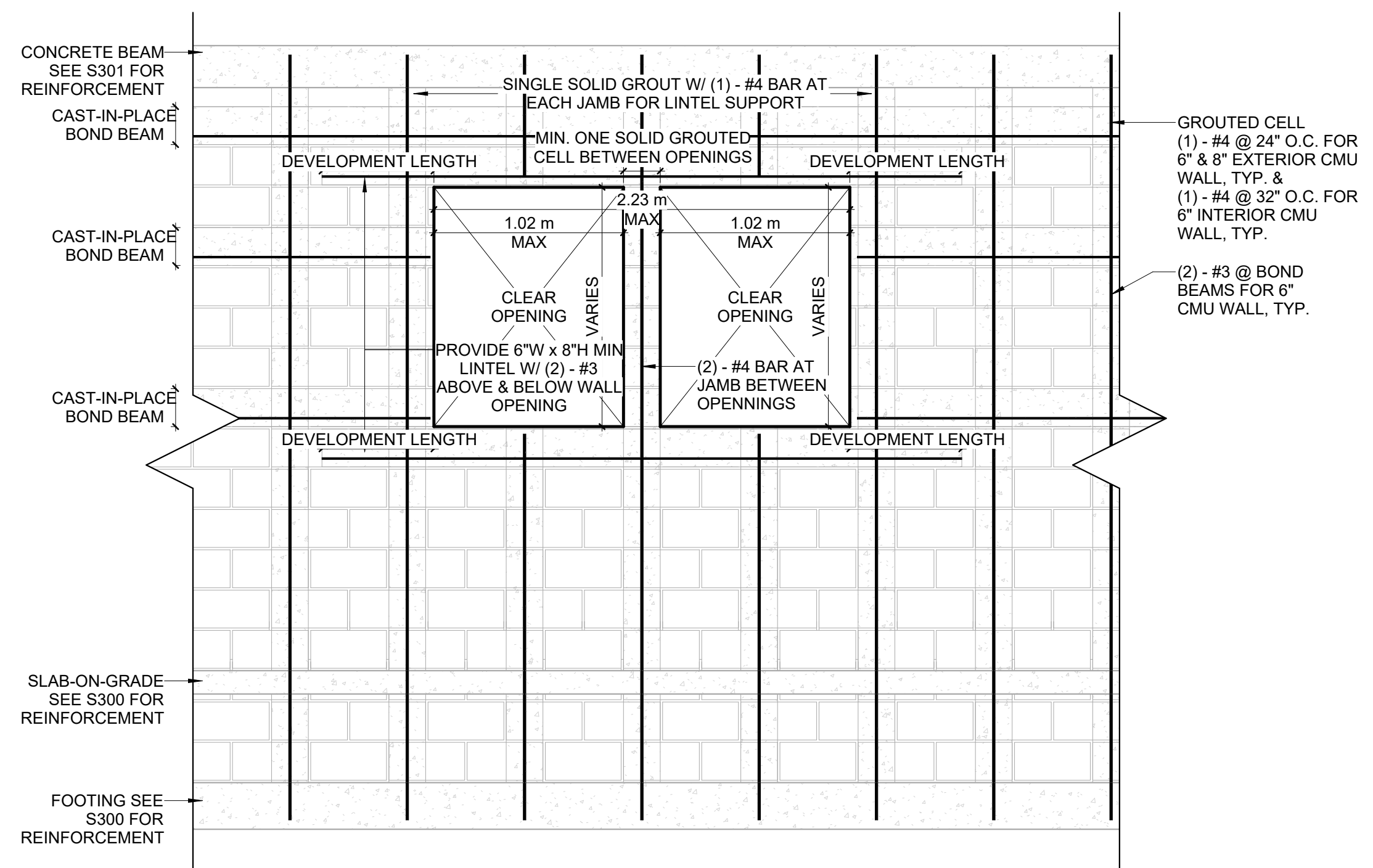
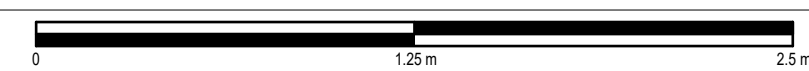
SCALE 1 : 25



TYPICAL MASONRY WALL OPENING DETAILS

2 (DOORS)

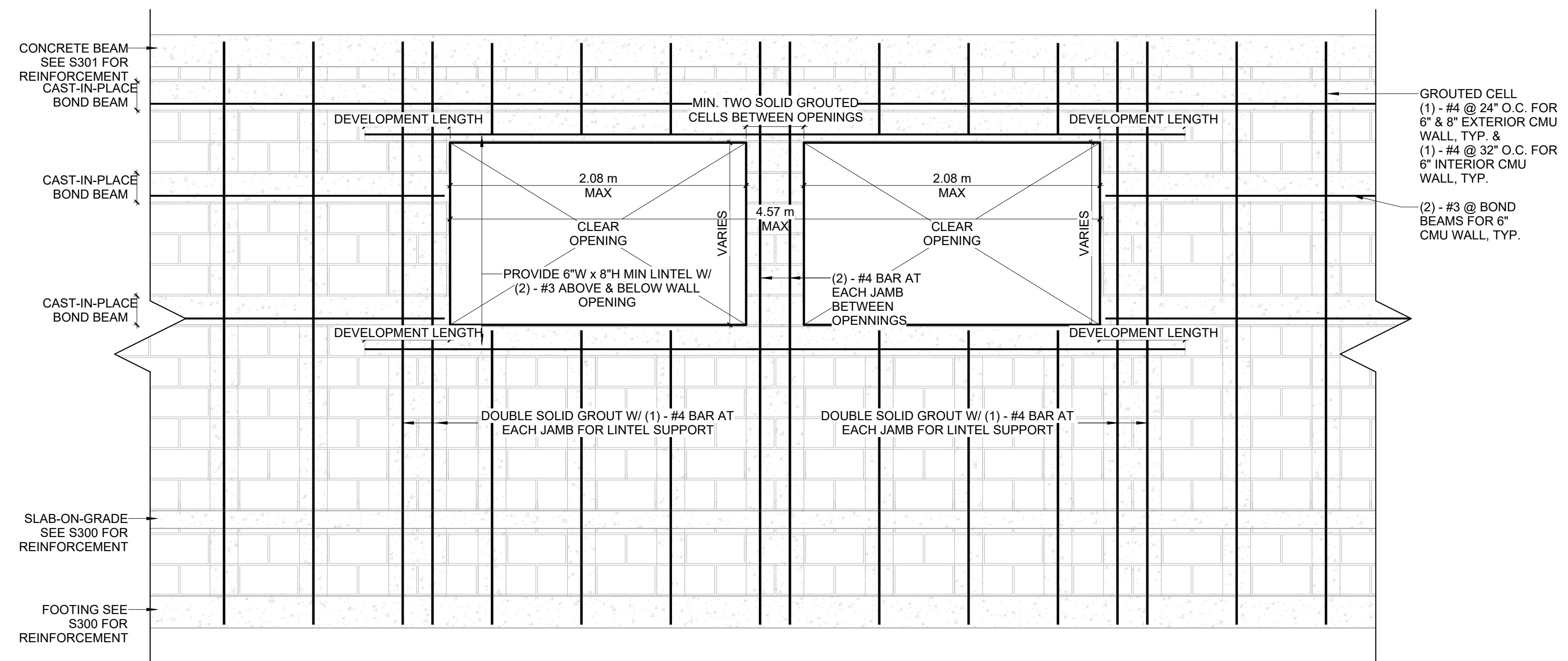
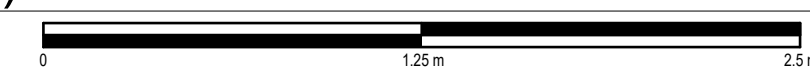
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TYPICAL MASONRY WALL OPENING DETAILS

3 (WINDOWS)

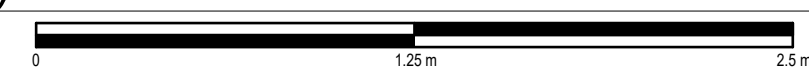
SCALE 1 : 25



TYPICAL MASONRY WALL OPENING DETAILS

4 (WINDOWS)

SCALE 1 : 25



KEY PLAN

HOPE HEALTH ACTION

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NICU EXTENSION
HCBH HOSPITAL, QUARTIER MORIN, HAITI

PROJECT

MASONRY WALL DETAILS

DRAWING TITLE

SCALE 1 : 25 DATE 03/17/2023

JOB NUMBER 64-001

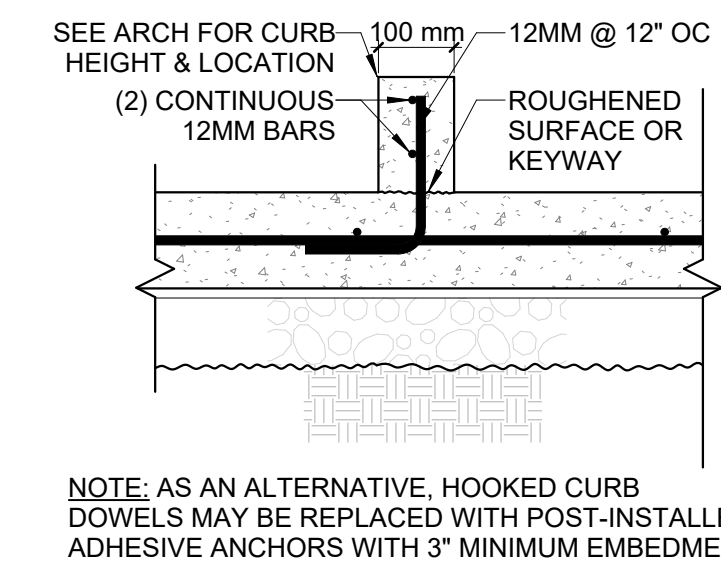
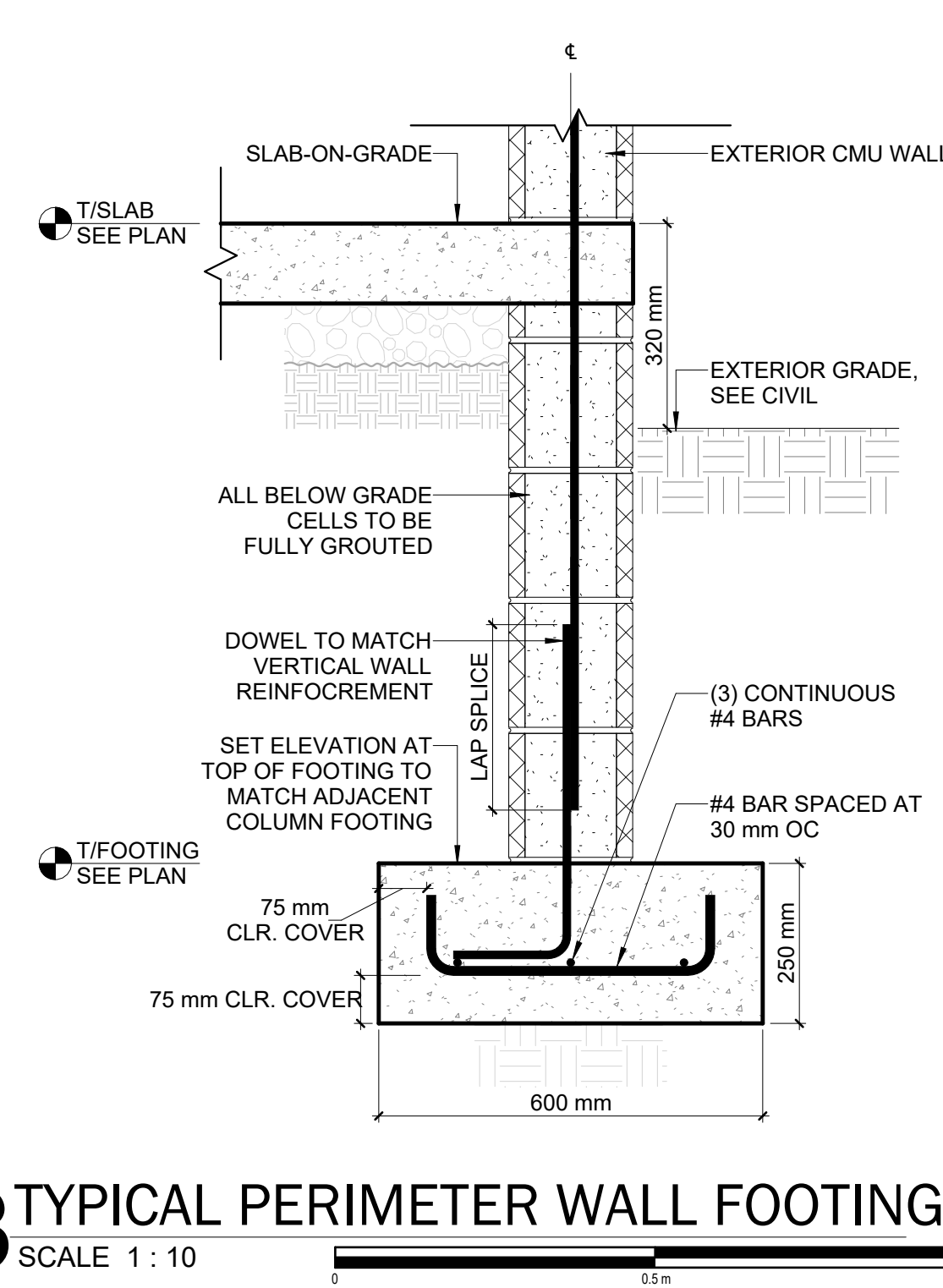
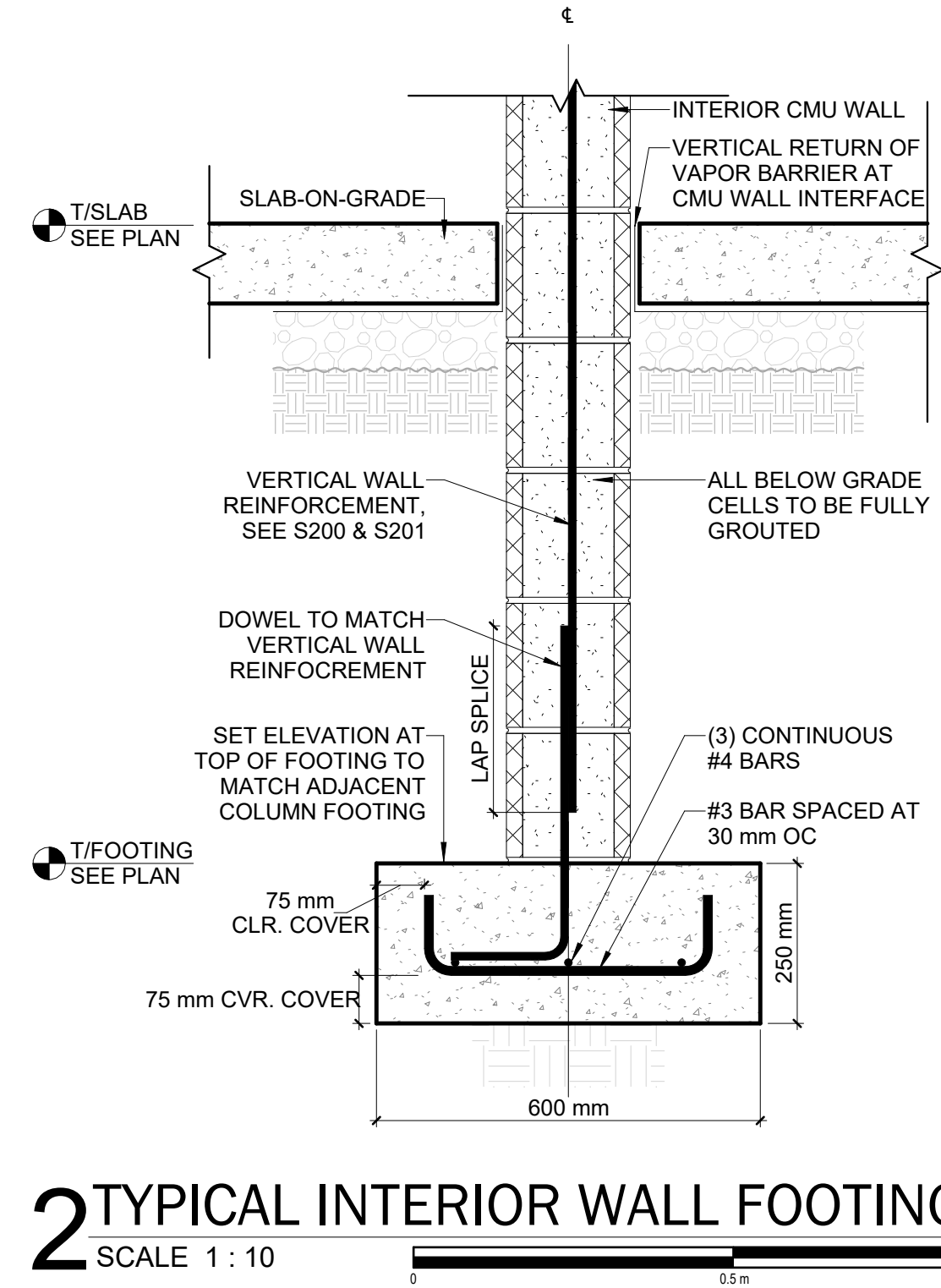
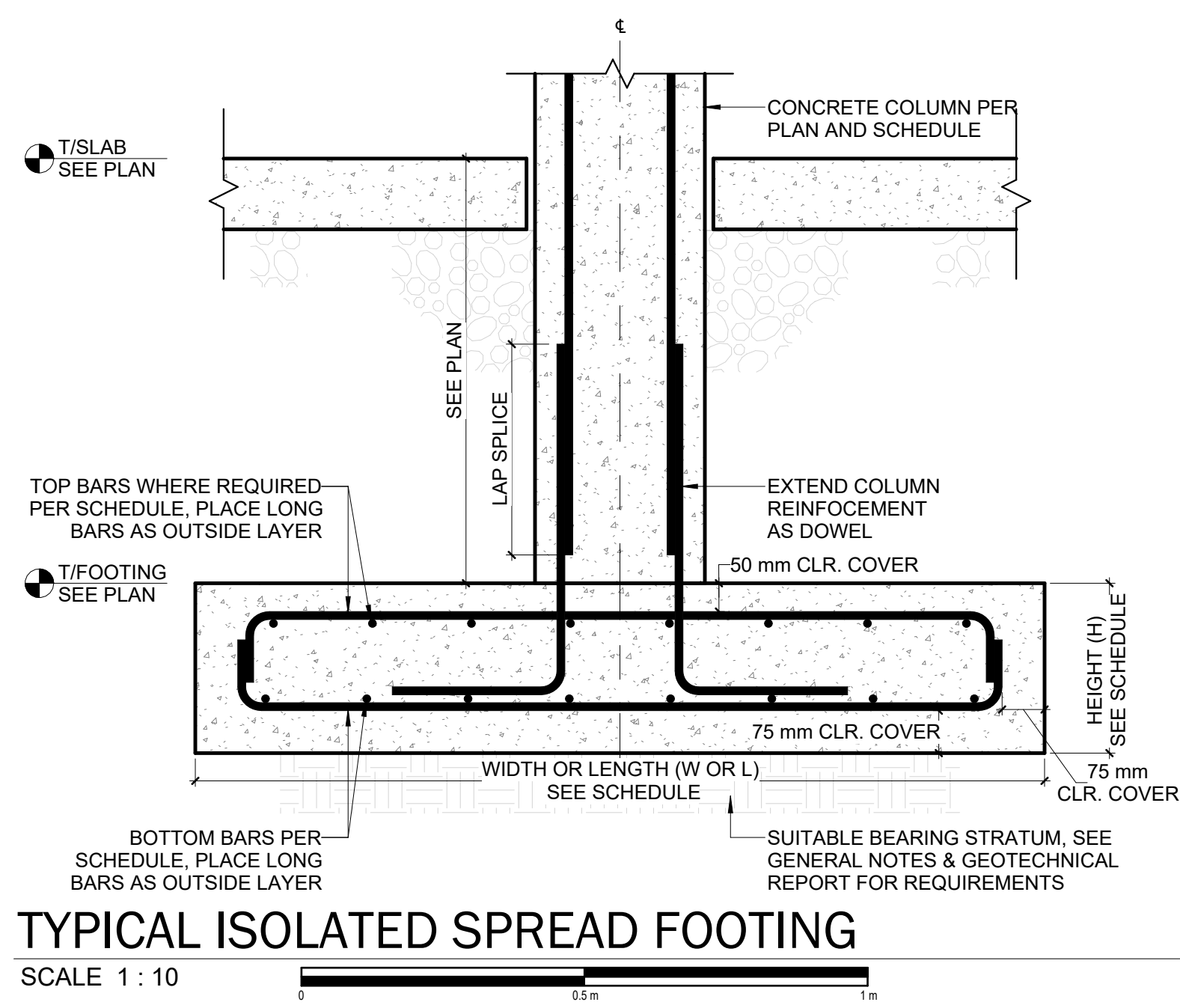
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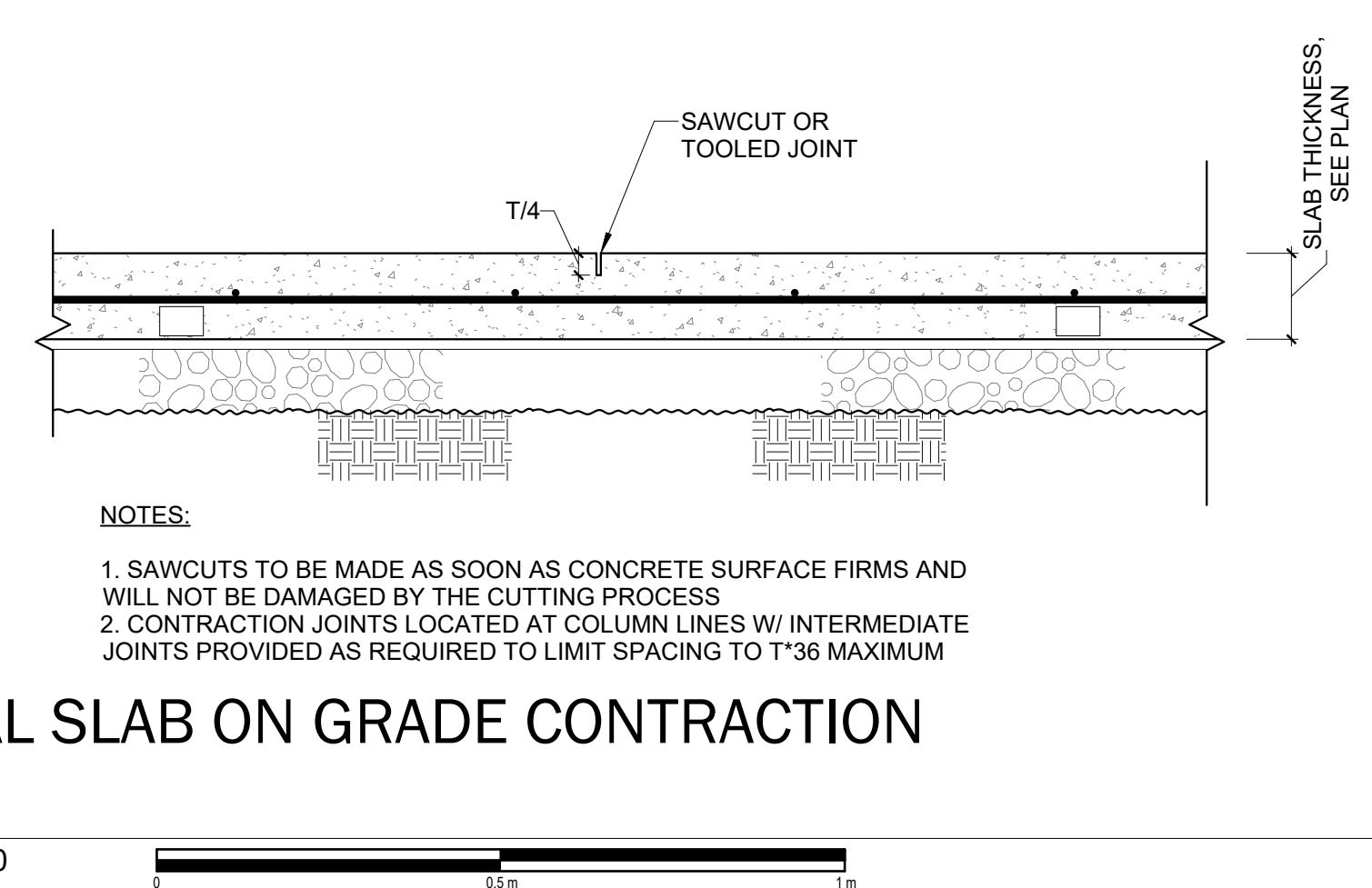
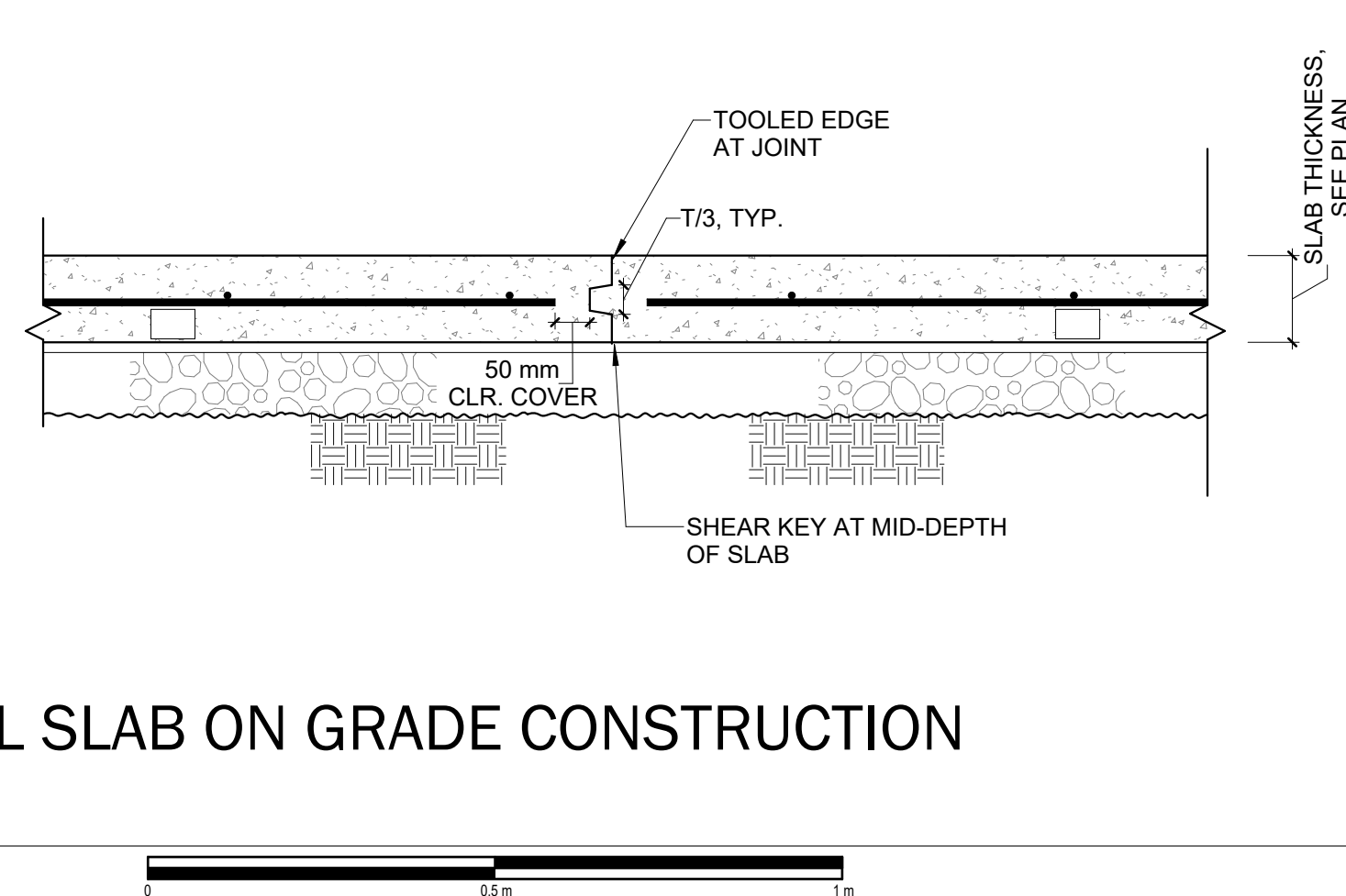
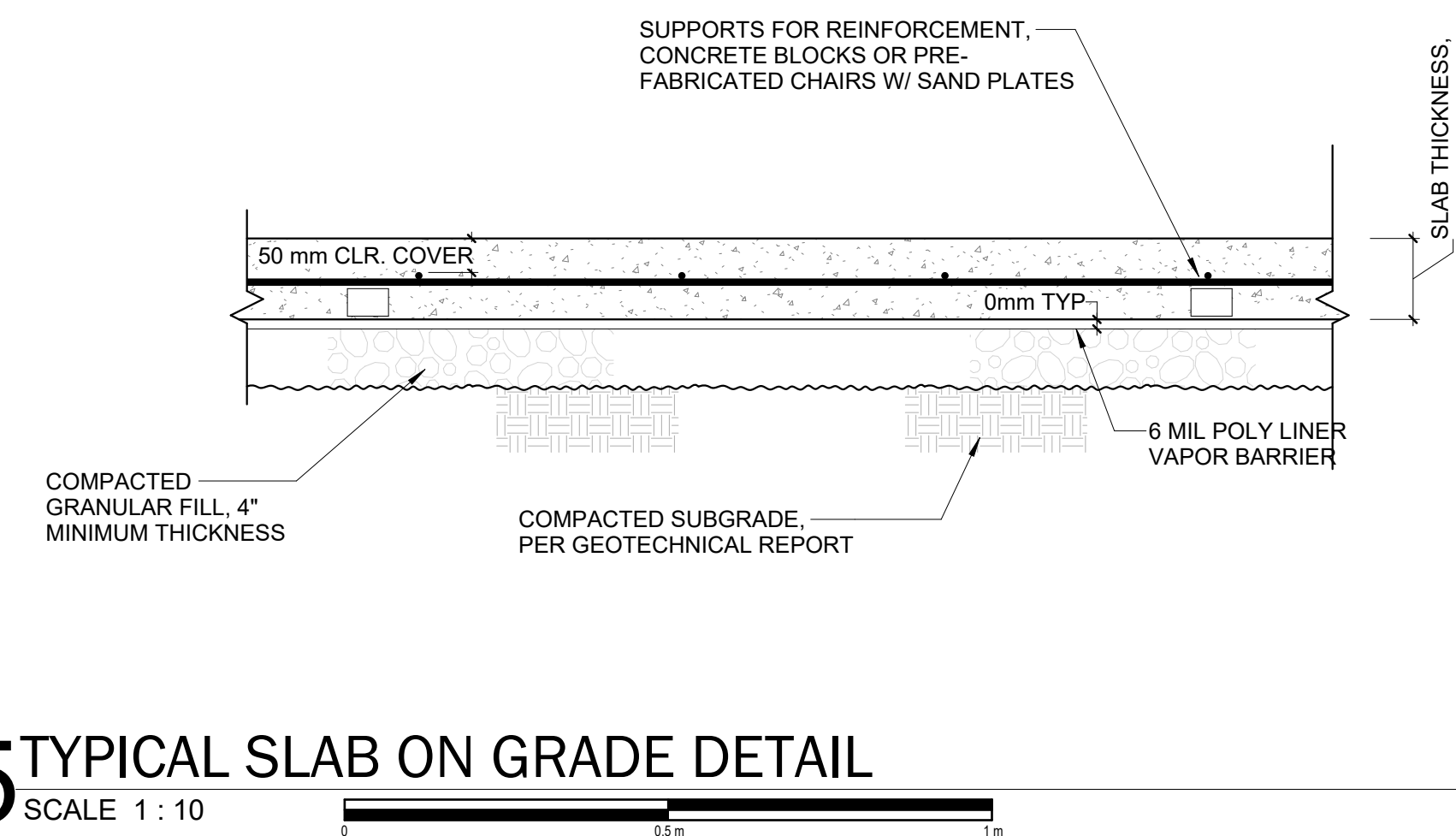
S201

DRAWING NUMBER

Structural Concrete Column Footing Schedule				
FOOTING ID	QTY.	L x W	THICKNESS	REINFORCEMENT
CF1	10	1.80 m x 1.80 m	0.35 m	(8) - #5 EW T&B
CF2	13	2.30 m x 2.30 m	0.35 m	(8) - #6 EW T&B



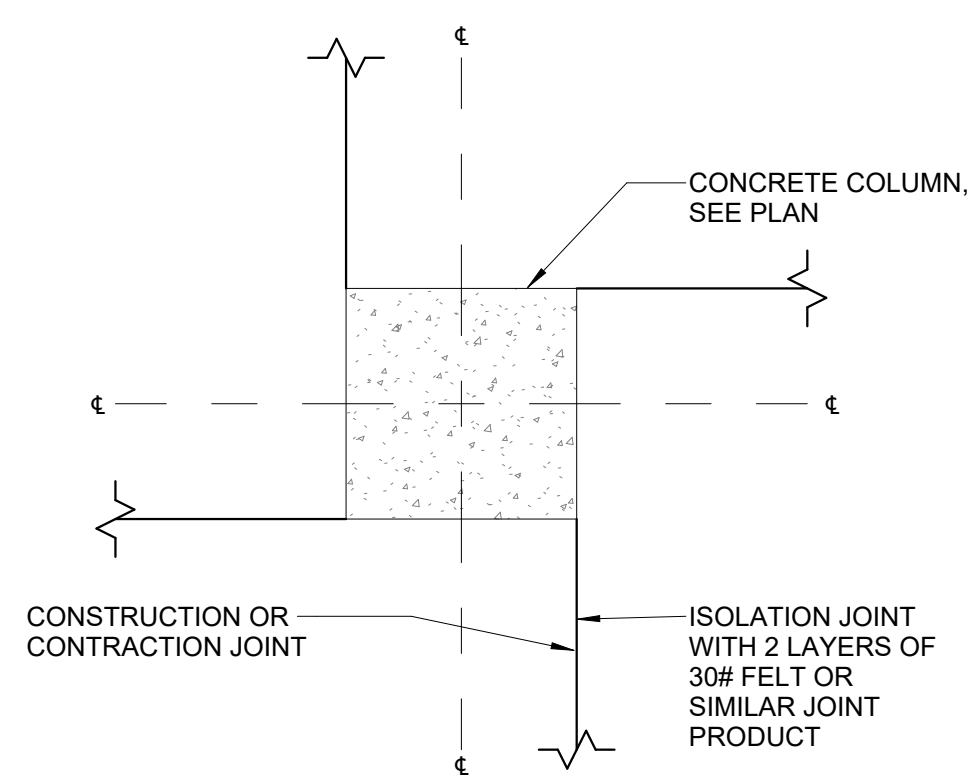
4 TYPICAL INTERIOR CURB DETAIL
SCALE 1:10



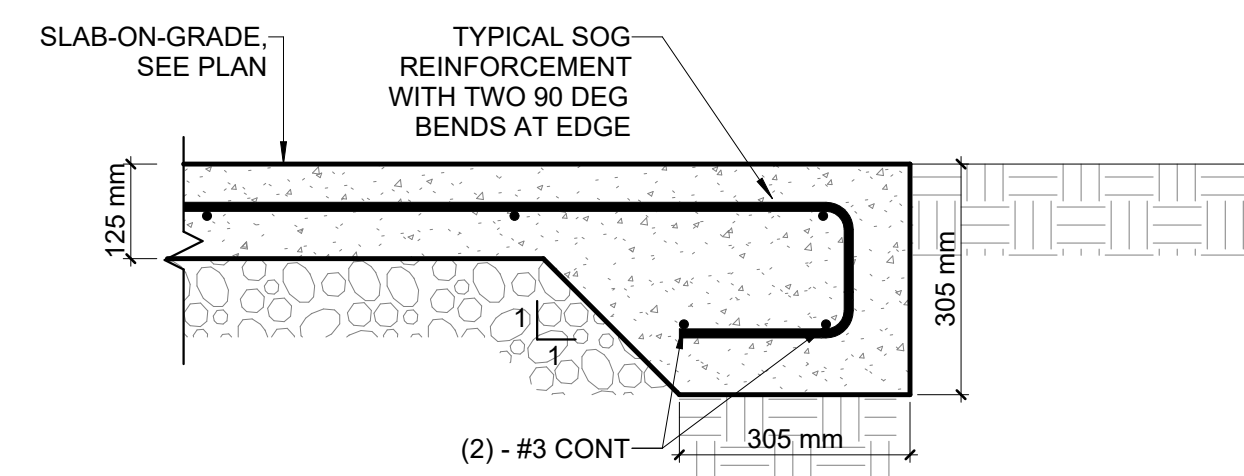
5 TYPICAL SLAB ON GRADE DETAIL
SCALE 1:10

6 TYPICAL SLAB ON GRADE JOINT
SCALE 1:10

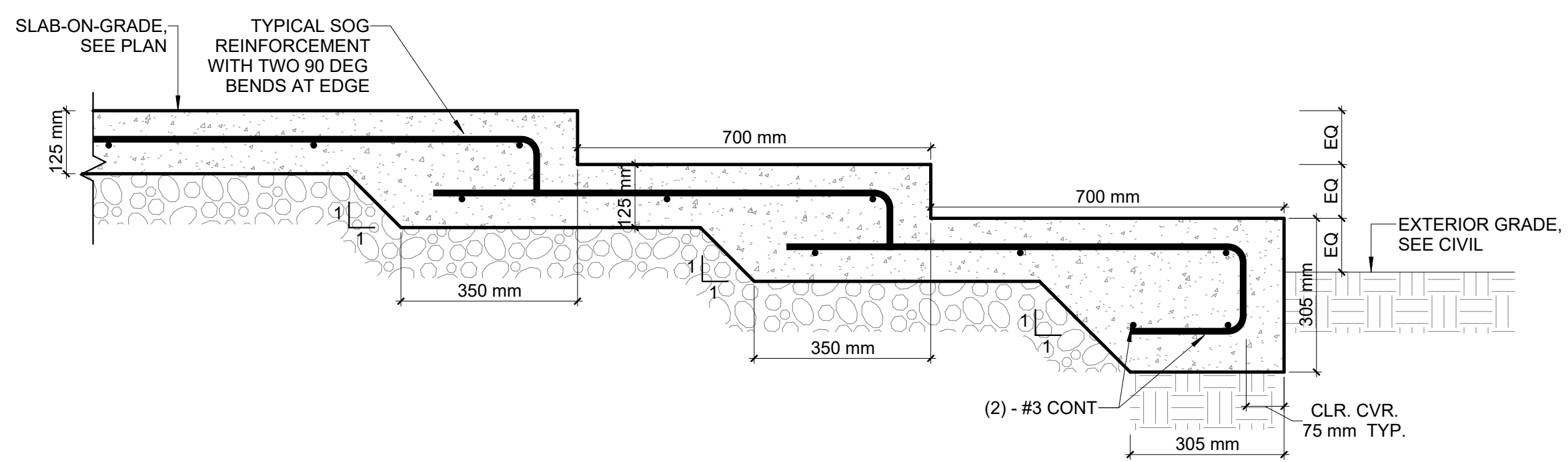
7 TYPICAL SLAB ON GRADE CONTRACTION JOINT
SCALE 1:10



8 TYPICAL SLAB ON GRADE ISOLATION JOINT AT INTERIOR COLUMN
SCALE 1:10



9 TYPICAL SLAB ON GRADE PERIMETER
SCALE 1:10



10 TYPICAL SLAB ON GRADE PERIMETER
SCALE 1:10

NO.	DATE	DESCRIPTION

KEY PLAN

HOPE HEALTH ACTION

OWNER

NICU EXTENSION
HCBH HOSPITAL, QUARTIER MORIN, HAITI
PROJECT

FOUNDATION SCHEDULES & DETAILS
DRAWING TITLE

DRAWING TITLE

SCALE 1:10 DATE 03/17/2023

JOB NUMBER 64-001

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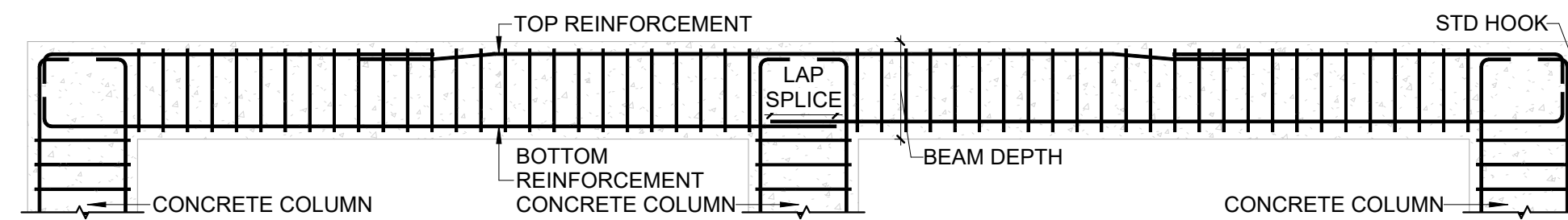
CONSTRUCTION DOCUMENT

S300

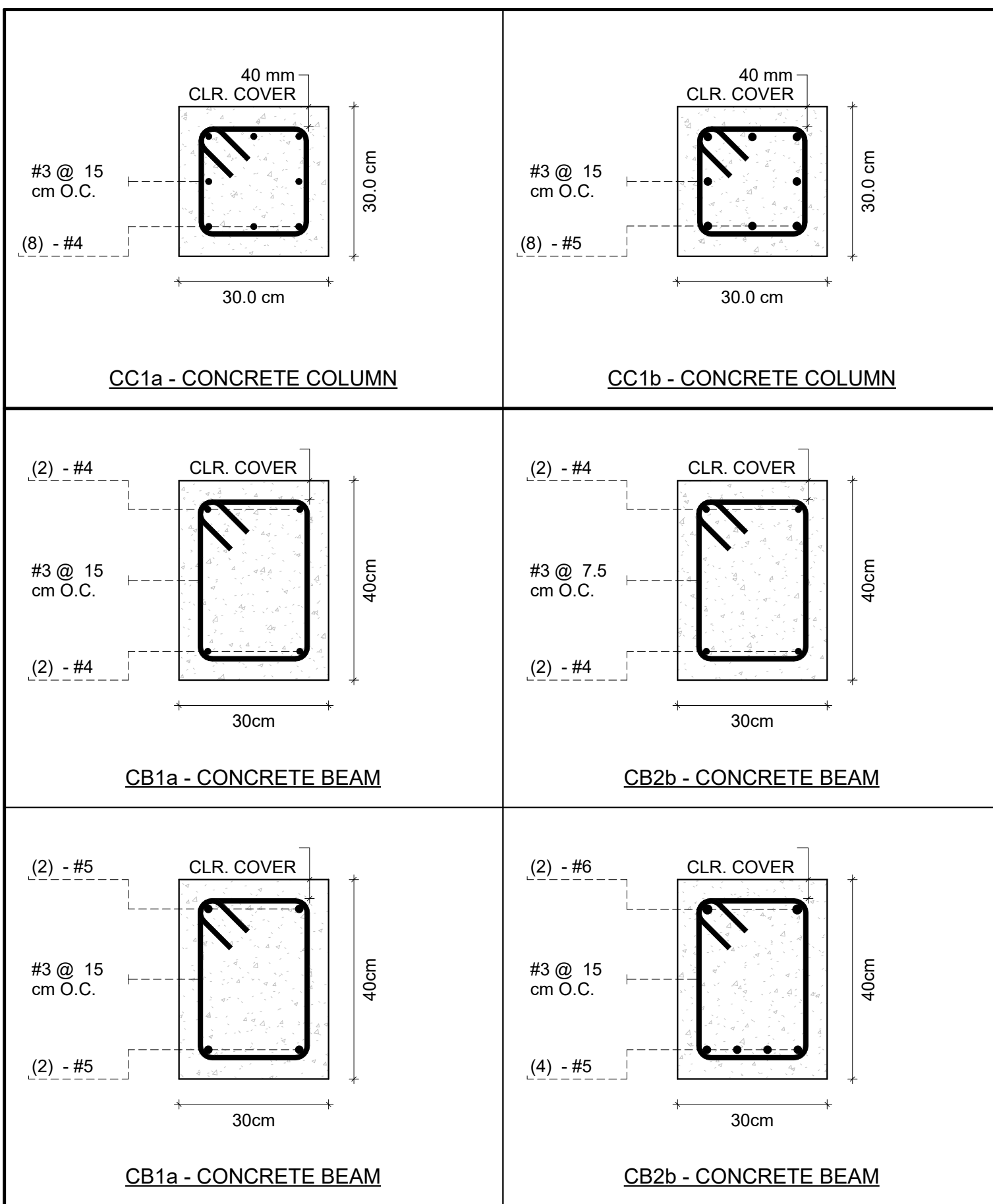
DRAWING NUMBER

Structural Concrete Column Schedule				
COLUMN ID	QTY.	SECTION SIZE (WXD)	LONGITUDINAL REINFORCEMENT	TRANSVERSE REINFORCEMENT
CC1a	11	30 cm x 30 cm	(8) - #4 EQUALLY SPACED	#3 @ 15 cm O.C.
CC1b	12	30 cm x 30 cm	(8) - #5 EQUALLY SPACED	#3 @ 15 cm O.C.

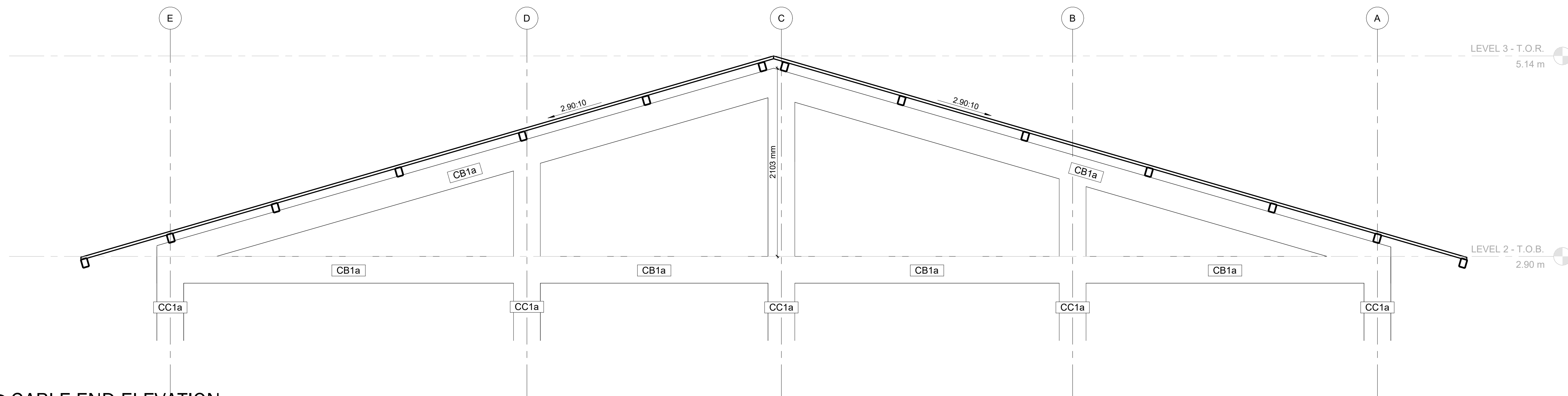
Structural Concrete Beam Schedule					
BEAM ID	QTY	SECTION SIZE (WXD)	LONGITUDINAL REINFORCEMENT		TRANSVERSE REINFORCEMENT
			BOTTOM	TOP	
CB1a	23	30 cm x 30 cm	(2) - #4	(2) - #4	#3 @ 15 cm O.C.
CB1b	1	30 cm x 30 cm	(2) - #4	(2) - #4	#3 @ 7.5 cm O.C.
CB1c	5	30 cm x 30 cm	(2) - #5	(2) - #5	#3 @ 15 cm O.C.
CB1d	2	30 cm x 30 cm	(4) - #5	(2) - #6	#3 @ 15 cm O.C.



1 TYPICAL CONCRETE BEAM ELEVATION
SCALE 1 : 25



2 TYPICAL CONCRETE MEMBERS
SCALE 1 : 10



3 GABLE END ELEVATION
SCALE 1 : 25

NO.	DATE	DESCRIPTION
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KEY PLAN

HOPE HEALTH ACTION

OWNER

NICU EXTENSION
HCBH HOSPITAL, QUARTIER MORIN, HAITI

PROJECT

COLUMN/BEAM SCHEDULES & DETAILS

DRAWING TITLE

SCALE As indicated DATE 03/17/2023

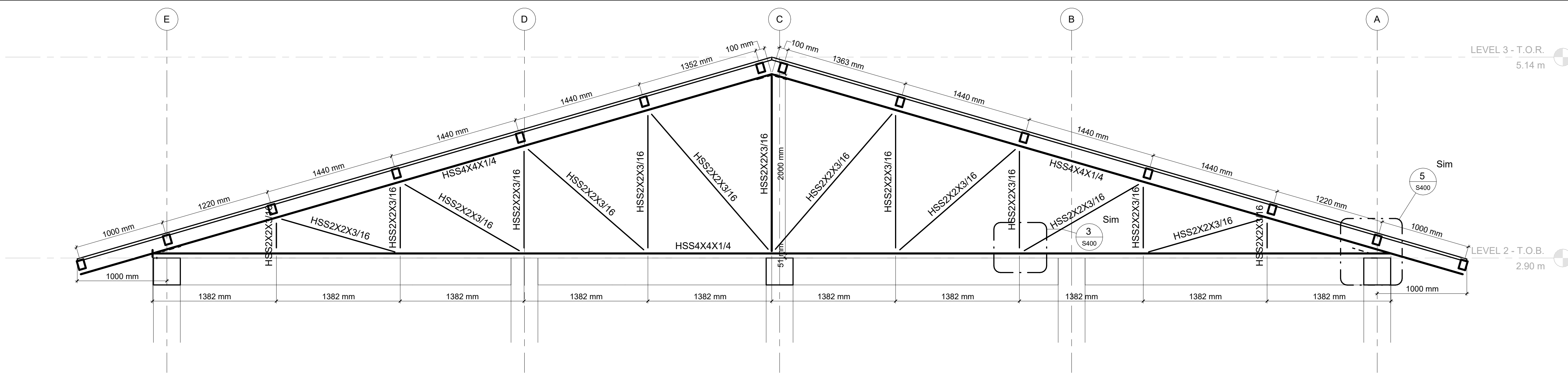
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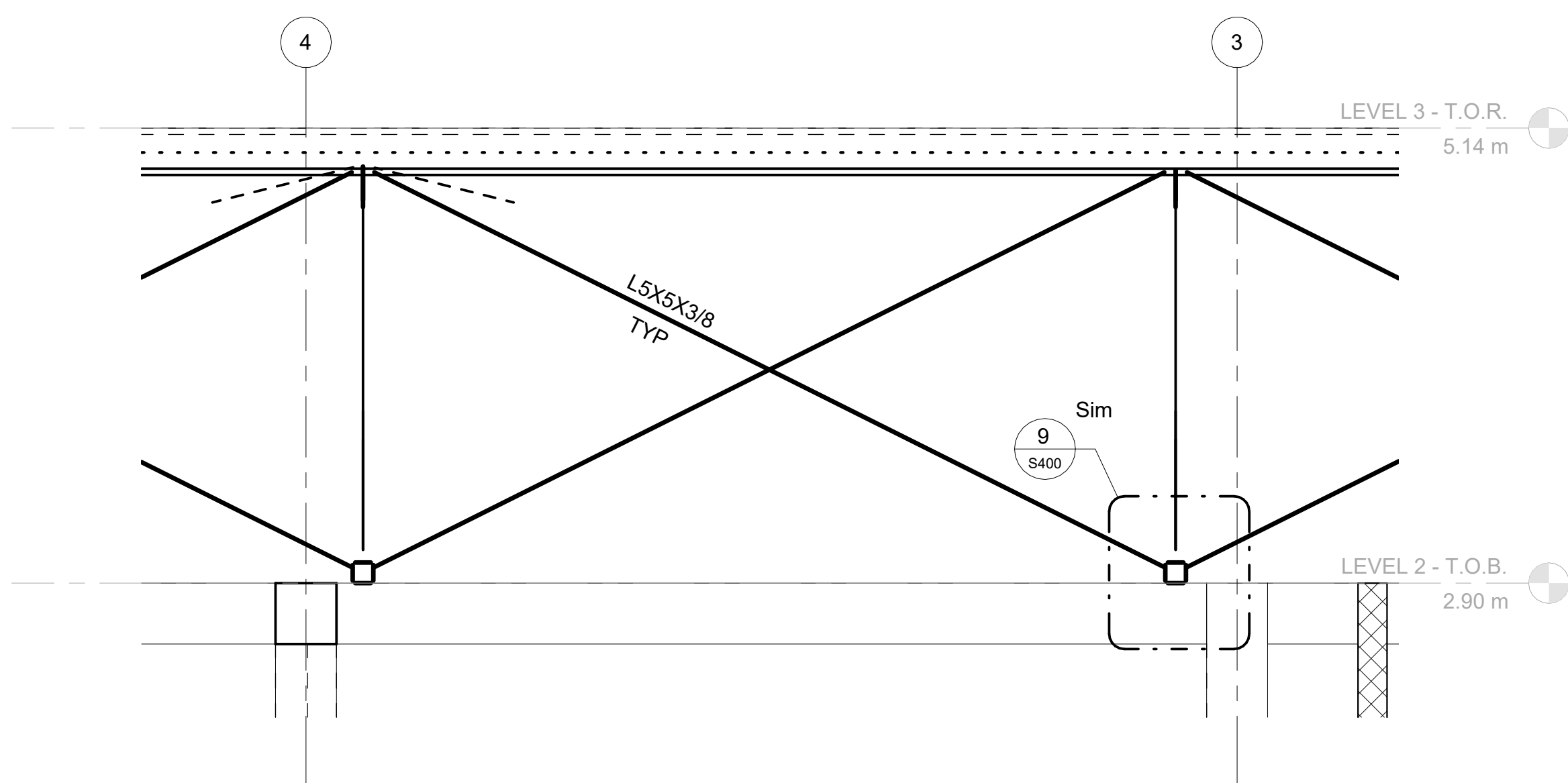
CONSTRUCTION DOCUMENT

S301

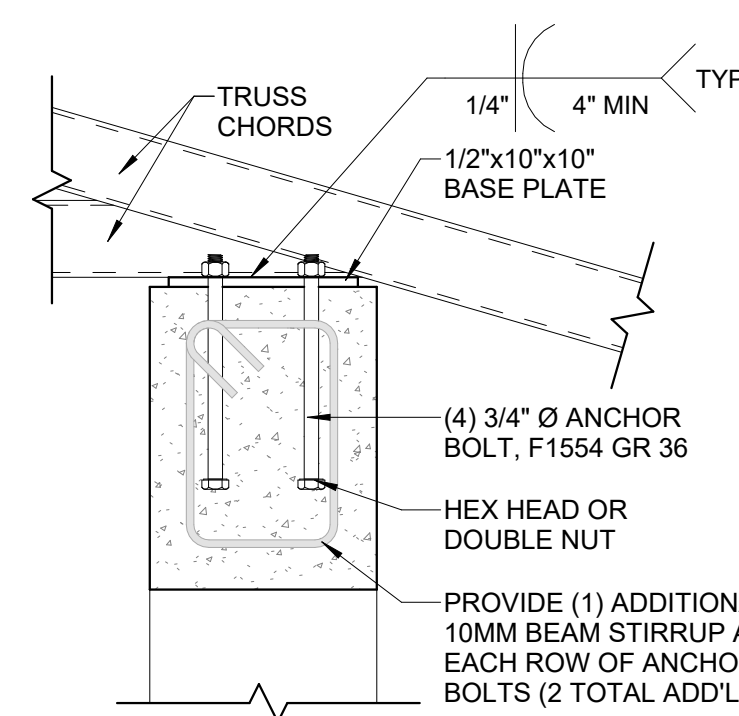
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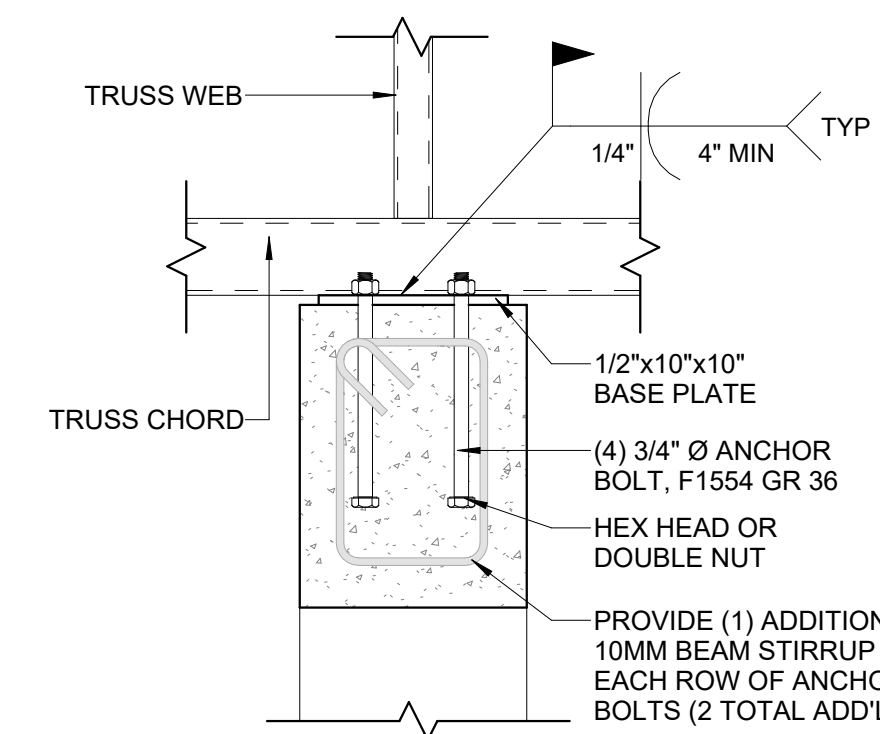
1 TRUSS ELEVATION
SCALE 1 : 25



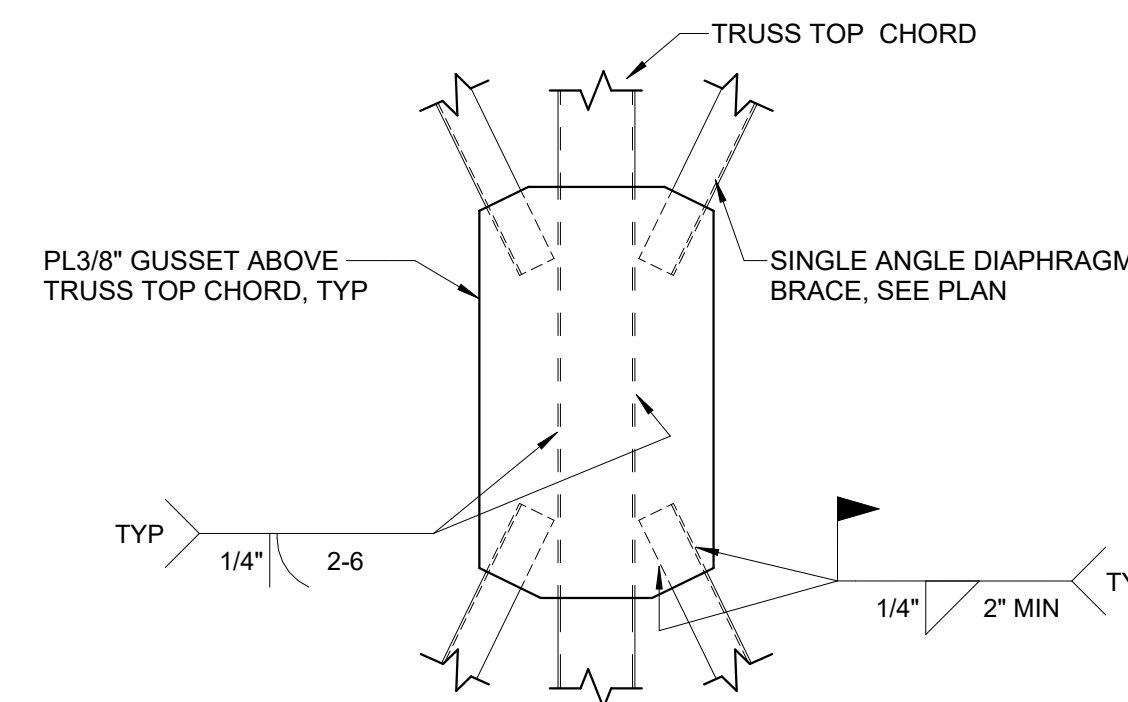
2 TYPICAL VERTICAL 'X' BRACING LAYOUT
SCALE 1 : 25



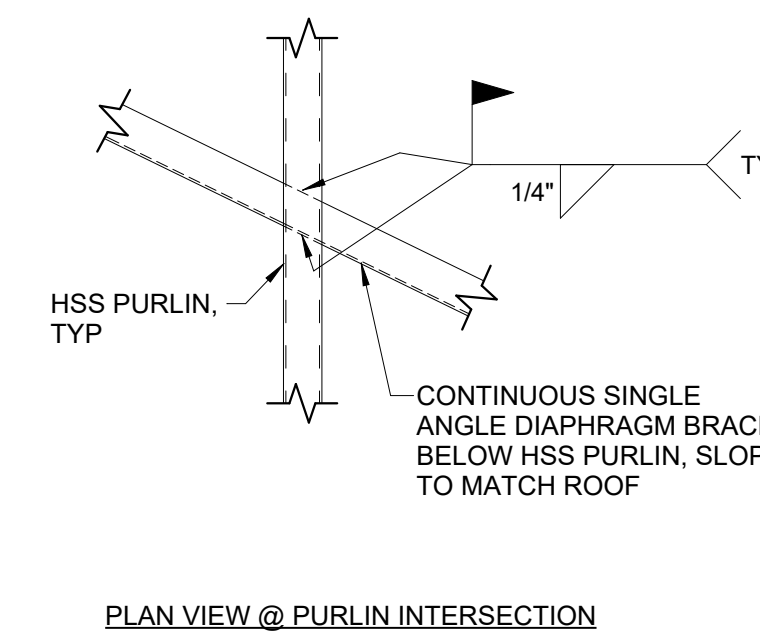
5 TYPICAL TRUSS END ANCHOR DETAIL
SCALE 1 : 10



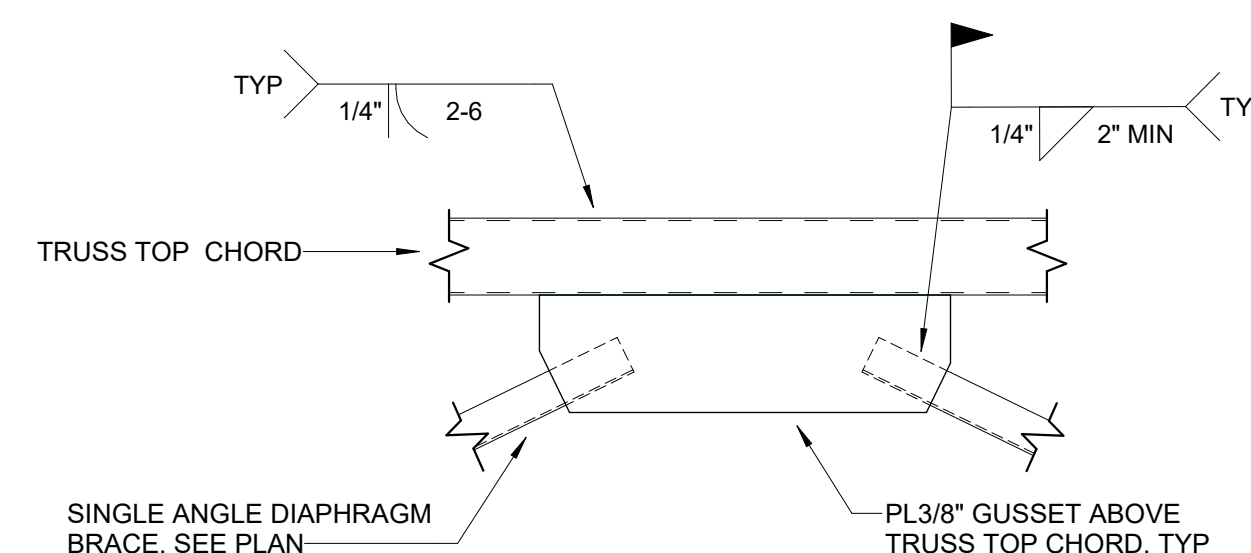
6 TYPICAL TRUSS MIDDLE ANCHOR DETAIL
SCALE 1 : 10



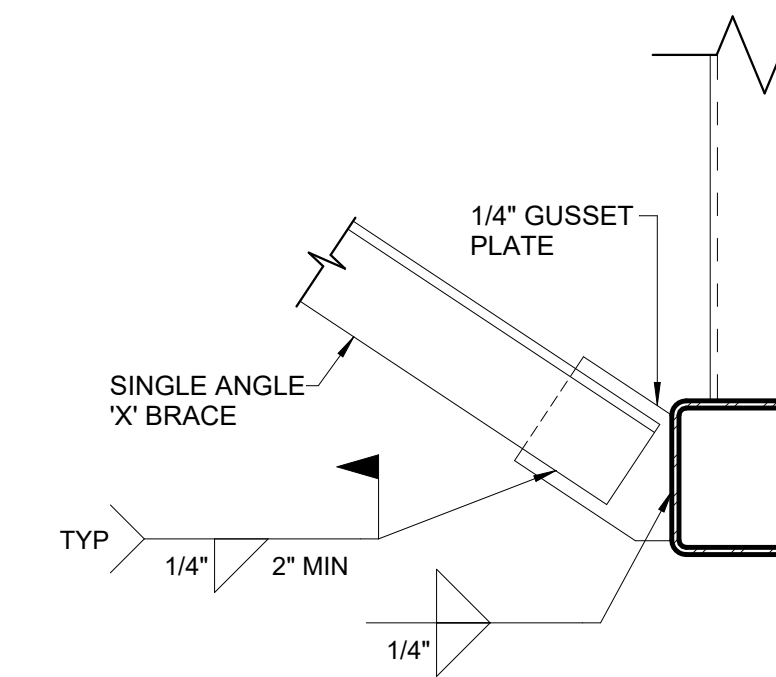
7 TYPICAL TOP CHORD MIDPOINT HORIZONTAL BRACING DETAIL
SCALE 1 : 10



PLAN VIEW @ PURLIN INTERSECTION



8 TYPICAL TOP CHORD RIDGE BRACING DETAIL
SCALE 1 : 10



9 TYPICAL VERTICAL 'X' BRACING DETAIL
SCALE 1 : 5

NOTE: BASE PLATE AND CONCRETE ANCHORAGE DETAIL NOT SHOWN FOR CLARITY, SEE DETAIL 5 ON THIS PAGE FOR ADDITIONAL INFORMATION

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100 Cummings Center, Suite 120B
Beverly, MA 01915
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buildhealthinternational.org

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25 Coney Hill Road
West Wickham, BR4 9BU, United Kingdom
Phone: +44 (0) 208 462 5256
hopehealthaction.org

NO.	DATE	DESCRIPTION
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KEY PLAN

HOPE HEALTH ACTION

OWNER

NICU EXTENSION
HCBH HOSPITAL, QUARTIER MORIN, HAITI

PROJECT

STRUCTURAL STEEL DETAILS

DRAWING TITLE

SCALE As indicated DATE 03/17/2023

JOB NUMBER 64-001

DRAWN VO CHECKED FT

CONSTRUCTION DOCUMENT

S400

DRAWING NUMBER

CLIENT

HOPE HEALTH ACTION

MAIN BUILDING

PROJECT NUMBER

64-001

MEP

PROJECT NAME

HHA NICU

PROJECT ADDRESS

ENTER ADDRESS HERE

PROJECT LEAD

PROJECT LEAD HERE

PROJECT DESIGN LEAD

PROJECT BIM LEAD HERE

BIM LEAD

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GENERAL NOTES

1. THIS IS A STANDARD SYMBOL LIST. ALL DEVICE SYMBOLS AND ABBREVIATIONS MAY NOT NECESSARILY APPEAR ON THE PLANS OR DETAIL SHEET. ONLY THOSE SYMBOLS INDICATED ON THE PLANS ARE USED AND OTHERS SHOULD BE DISREGARDED.
2. WHERE THE REQUIREMENTS OF THESE DRAWINGS CONFLICT WITH OTHER PARTS OF THESE CONTRACT DOCUMENTS, THE MORE STRINGENT REQUIREMENTS SHALL APPLY. IN THE EVENT THAT THERE IS A CONFLICT, THE ELECTRICAL CONTRACTOR SHALL PROMPTLY NOTIFY THE ARCHITECT IN WRITING.
3. THESE CONTRACT DRAWINGS ARE DIAGRAMMATIC ONLY. INTENDING TO SHOW GENERAL RUNS AND LOCATIONS OF CONDUITS, DISTRIBUTION EQUIPMENT, LIGHTING FIXTURES, SYSTEMS EQUIPMENT, ETC., AND NOT NECESSARILY SHOWING ALL DETAILS, ACCESSORIES AND EQUIPMENT TO BE CONNECTED. THE ELECTRICAL CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR COORDINATING IN THE FIELD THE EXACT LOCATIONS, MOUNTING HEIGHTS OF EQUIPMENT AS WELL AS THE ROUTING OF RACEWAYS TO AVOID EXISTING FIELD CONDITIONS. ALL WORK SHALL BE ACCURATELY LAID OUT WITH OTHER TRADES TO AVOID CONFLICTS AND TO OBTAIN A NEAT AND WORKMANLIKE INSTALLATION WHICH WILL AFFORD MAXIMUM ACCESSIBILITY FOR OPERATION, MAINTENANCE AND HEADROOM.
4. THE WORK UNDER THIS CONTRACT SHALL INCLUDE ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, TRANSPORTATION, INSURANCE, TEMPORARY PROTECTION, SUPERVISION AND INCIDENTAL ITEMS ESSENTIAL FOR PROPER INSTALLATION AND OPERATION, EVEN THOUGH NOT SPECIFICALLY MENTIONED OR INDICATED ON THE DRAWINGS, BUT WHICH ARE USUALLY PROVIDED OR ARE ESSENTIAL FOR PROPER INSTALLATION AND OPERATION, OF ALL SYSTEMS AS INDICATED ON THE DRAWINGS AND SPECIFIED HEREIN.
5. THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXISTING CONDITIONS AND THE SCOPE OF WORK PRIOR TO SUBMISSION OF BIDS.
6. PERFORM INSTALLATION IN ACCORDANCE WITH CURRENT EDITION OF THE NATIONAL ELECTRICAL CODE THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA), AND APPLICABLE DOE ORDERS.
7. EQUIPMENT SHALL BE LISTED BY A NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL).
8. PROVIDE AND MAINTAIN A CLEAR WORKING SPACE ABOUT ELECTRIC EQUIPMENT (SWITCH BOARDS, PANELBOARDS, ETC.) IN ACCORDANCE WITH THE REQUIREMENTS OF THE NEC.
9. THE ELECTRICAL CONTRACTORS SCOPE OF WORK INCLUDES (BUT IS NOT NECESSARILY LIMITED TO) ALL POWER AND CONTROL REQUIREMENTS INDICATED IN THESE CONTRACT DOCUMENTS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING AND INSTALLATION OF ALL INCIDENTAL ACCESSORIES NECESSARY TO MAKE THE ELECTRICAL WORK COMPLETELY FUNCTIONAL.
10. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE STATE ELECTRICAL CODE, AS AMENDED BY THE CITY INSPECTION SERVICES DEPT, AND FIRE DEPT AND ANY OTHER STATE OR FEDERAL AHJ. WHERE WORK IS PERFORMED THAT REQUIRES SUBSEQUENT CHANGES TO CONFORM TO CODES OR OTHER AHJ REQUIREMENT, SUCH CHANGES SHALL BE DONE AT CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FILING ALL NOTICES AND OBTAIN AND PAY FOR ALL PERMITS AS REQUIRED BY MASS AND/OR BOSTON DEPARTMENTS.
11. FURNISH ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO COMPLETE THE ELECTRICAL WORK AS SHOWN ON THE DRAWINGS. ALL MATERIAL AND EQUIPMENT SHALL BE NEW AND SHALL BE UL LISTED. "PROVIDE" SHALL MEAN "FURNISH AND INSTALL". ALL MATERIALS AND EQUIPMENT SHALL ALSO BE FM APPROVED AS APPLICABLE.
12. APPROVED EQUAL, EQUAL OR SIMILAR WORDING SHALL MEAN THAT THE USE OF ALL MATERIALS OR EQUIPMENT SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL, AND SUCH APPROVAL SHALL BE THE SOLE DISCRETION OF THE ENGINEER.
13. GENERALLY, UNLESS CLEAR OTHERWISE FROM THE DRAWING CONTEXT, CONDUIT RUNS ARE SHOWN DIAGRAMMATICALLY, AND THE EXACT ROUTE OF CONDUIT RUNS SHALL BE DETERMINED BY EXISTING JOB CONDITIONS. WHERE ENGINEER'S INTENDED CONDUIT RUNS ARE INDICATED ON THE DRAWINGS, DEVIATIONS ARE PERMITTED ONLY WITH PRIOR APPROVAL OF THE ENGINEER.
14. IN GENERAL, LIGHT CONTINUOUS LINE-WORK REPRESENTS EXISTING CONDITIONS TO REMAIN. BOLD CONTINUOUS LINE-WORK REPRESENTS NEW OR RELOCATED WORK TO BE PERFORMED. DASHED LINE WORK REPRESENTS EXISTING WORK TO BE DEMOLISHED OR RELOCATED. REFER TO PLANS AND DIAGRAMS FOR DETAIL.
15. THE CONTRACTOR SHALL MAKE ALL PENETRATIONS SMOKE-PROOF PRIOR TO LEAVING THE JOB SITE ON A DAILY BASIS.
16. OPENINGS THROUGH FIRE RATED FLOORS AND WALLS SHALL BE SEALED WITH U.L. LISTED FIRE SEALS FOR THE SPECIFIC APPLICATION. THE FIRE SEALS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS, ITS U.L. LISTING AND THE M.E.C. WHILE MAINTAINING THE FULL FIRE RATING OF THE BARRIER IN WHICH IT IS INSTALLED.
17. BEFORE ELECTRICAL WORK COMMENCES ON ELECTRICAL EQUIPMENT, THE CONTRACTOR SHALL ESTABLISH PHASE ROTATION AND DOCUMENT A, B, C, AND ROTATION AT EACH PANEL. THIS ARRANGEMENT SHALL THEN BE MAINTAINED DURING INSTALLATION AND VERIFIED AT THE COMPLETION OF PROJECT. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR MAINTAINING PROPER PHASE ROTATION TO NEW AND EXISTING EQUIPMENT THROUGHOUT THE PROJECT.
18. TERMINALS SHALL BE ARRANGED PHASE A-B-C OR 1-2-3 FROM LEFT TO RIGHT, TOP TO BOTTOM, AND FRONT TO BACK.
19. DISCONNECT EXISTING ELECTRICAL EQUIPMENT SCHEDULED FOR DEMOLITION AND MAKE SAFE FOR DEMOLITION.
20. WHERE NEW WIRING DEVICES, WIRING, OR FIXTURE LOCATIONS ARE SHOWN ON THE DRAWINGS BUT BUILDING CONSTRUCTION MAKES IT ADVISABLE OR NECESSARY TO CHANGE SUCH LOCATIONS TO NEW LOCATIONS WITHIN 10 FT. SUCH CHANGES SHALL BE MADE BY THE CONTRACTOR WITH THE CONSENT OF THE ENGINEER AND ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.
21. ALL PLYWOOD MOUNTING BOARDS SHALL BE PAINTED WITH TWO COATS OF FIRE RETARDANT PAINT. (WHITE OR BLACK AS NOTED).
22. ALL ABANDONED AND EMPTY RACEWAYS SHALL BE REMOVED UNLESS USED FOR WORK PERTAINING TO THIS PROJECT, UNLESS OTHERWISE NOTED. ELECTRICAL EQUIPMENT TAKEN OUT OF SERVICE SHALL BE DISCONNECTED AND REMOVED, UNLESS OTHERWISE NOTED. REFER TO THE SPECIFICATIONS FOR DETAILS.
23. PROVIDE TEMPORARY LIGHTS IN THE AREA OF WORK TO PROVIDE ILLUMINATION DURING CONSTRUCTION TO MEET APPLICABLE CODES. TEMPORARY LIGHTING LEVELS SHALL BE AS REQUIRED BY OSHA, CODES, OR STANDARDS AND INSTALLED PER APPLICABLE REQUIREMENTS OF THE SAME.
24. PROVIDE 20A, 125V, GFI PROTECTED RECEPTACLES AND 208V RECEPTACLES NEEDED FOR CONSTRUCTION POWER AS DIRECTED BY THE GENERAL CONTRACTOR. DO NOT ADD WELDING EQUIPMENT WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
25. PRIME CONTRACTOR SHALL ENSURE THAT SMOKE DETECTORS OUTSIDE THE WORK AREA SHALL BE KEPT DUST FREE.
26. USE EXISTING FIRE ALARM ZONES TO PROVIDE FIRE ALARM SYSTEM COVERAGE DURING CONSTRUCTION. REPLACE SMOKE DETECTORS THAT MAY BE AFFECTED BY CONSTRUCTION ACTIVITIES WITH A FIXED 135°F HEAT DETECTOR TO PREVENT NUISANCE ALARMS. SMOKE DETECTORS THAT WERE REMOVED FOR CONSTRUCTION AND WILL NOT BE REPLACED SHALL BE REINSTALLED AT THE COMPLETION OF THE PROJECT. PROVIDE 100% TEST AT COMPLETION OF THE PROJECT.
27. LIGHTING FIXTURES SHALL BE SUPPORTED FROM BUILDING STRUCTURAL ELEMENTS INDEPENDENT OF FURRED OR SUSPENDED CEILINGS. SUPPORTS FOR LIGHTING FIXTURES SHALL BE BOW CHAIN OR ROD. MINIMUM OF 2 SUPPORTS PER 4 FT OF FIXTURE SHALL BE PROVIDED. RECESSED FIXTURES SHALL BE CONNECTED BY FLEXIBLE METALLIC CONDUIT TO JUNCTION BOX.
28. BRANCH CIRCUIT PHASE WIRES SHALL BE CONNECTED TO SEPARATE PHASES OF THE SUPPLY SOURCE TO ASSURE A BALANCED CONDITION IN THAT CIRCUIT AND PROPER LOAD BALANCE ON THE PANEL.
29. BOND RACEWAYS AND THE FRAMES AND ENCLOSURES OF MOTORS, BREAKERS, SWITCHES, AND OTHER ELECTRICAL EQUIPMENT TO THE BUILDING GROUNDING SYSTEM. INSTALL AN INSULATED EQUIPMENT GROUND CONDUCTOR IN EACH RACEWAY OR CONDUIT. SIZE EQUIPMENT GROUND CONDUCTOR IN ACCORDANCE WITH THE NEC.
30. IDENTIFY NEW BRANCH CIRCUITS AT THE PANEL AND AT THE LOAD OUTLET, RECEPTACLE AND SWITCH. IDENTIFY THE PURPOSE OF INDIVIDUAL CIRCUIT BREAKERS SAFETY SWITCHES AND MOTOR STARTERS BY MEANS OF NAMEPLATES AS INDICATED.
31. ROUTE CONDUITS TO SUIT EQUIPMENT AND BUILDING STRUCTURE. LIMIT THE USE OF ELECTRICAL METALLIC TUBING (EMT) TO AREAS WHERE IT WILL NOT BE SUBJECT TO PHYSICAL DAMAGE OR CORROSION. USE INTERMEDIATE METAL CONDUIT (IMC) OR RIGID GALVANIZED STEEL CONDUIT (RGS) FOR WORK EMBEDDED IN CONCRETE OR EXPOSED TO PHYSICAL DAMAGE.
32. SEAL AROUND CONDUIT PENETRATIONS THROUGH INTERIOR WALLS AND FLOORS SEPARATING AREAS TO RESTORE ORIGINAL FIRE RATING. USE A UL CLASSIFIED FIRE SEALANT. SEAL PENETRATIONS THROUGH ROOF AND EXTERIOR WALLS TO MAKE WATERPROOF. REQUEST INSPECTION OF FIRE SEALS AT COMPLETION OF INSTALLATION.
33. UNLESS NOTED OTHERWISE; USE 12 AWG OR LARGER CONDUCTORS FOR POWER WIRING. USE 14 CONDUCTORS FOR CONTROL WIRING AND 15A LIGHTING CIRCUITS.
34. UNLESS NOTED OTHERWISE; USE ONLY COPPER CONDUCTORS.
35. CONDUCTORS 10 AWG AND SMALLER SHALL BE TYPE "THHN" or "THWN" SOLID CONDUCTORS. 8 AWG AND LARGER SHALL BE STRANDED TYPE "THHN" or "THWN" EXCEPT WHEN REQUIRED BY CODE. REFER TO SPECIFICATIONS FOR DETAILS.
36. CONDUCTORS SHALL BE COLOR CODED TO DIFFERENTIATE BETWEEN SYSTEMS OF DIFFERENT VOLTAGES AND TO DIFFERENTIATE BETWEEN PHASES OF EACH SYSTEM. COLOR CODING SHALL BE CONSISTENT THROUGHOUT SO THAT ACROSS PHASES AND VOLTAGES THE GIVEN PHASE OF A GIVEN SYSTEM SHALL ALWAYS BE THE SAME COLOR. COLORS FOR 120/208 VOLT SYSTEMS SHALL BE BLACK, RED AND BLUE. COLORS FOR 277/480 VOLT SHALL BE BROWN, ORANGE AND YELLOW.
37. ALL 120 VOLT BRANCH CIRCUITS, INCLUDING LIGHT CIRCUITS, SHALL HAVE THEIR OWN NEUTRAL (NO SHARED NEUTRALS).
38. ALL PANELS (NEW OR EXISTING) WHICH ARE MODIFIED AS PART OF THE SCOPE OF THIS PROJECT SHALL BE PROVIDED WITH A TYPE WRITTEN 8 1/2" X 11" CIRCUIT DIRECTORY. THIS DIRECTORY SHALL BE AFFIXED TO THE INSIDE OF THE PANEL ENCLOSURE DOOR AND SHALL CLEARLY IDENTIFY EXISTING AND NEW CIRCUITS.
39. THE ELECTRICAL CONTRACTOR SHALL PROVIDE EXPANSION FITTINGS PROPERLY BONDED TO ENSURE GROUND CONTINUITY FOR ALL RACEWAYS CROSSING CONSTRUCTION OR EXPANSION JOINTS IN FLOORS AND CEILINGS. USE DOUBLE LOCK NUTS AND BUSHINGS ON PANEL FEEDERS AT PANEL ENCLOSURES.
40. THE CONTRACTOR SHALL COORDINATE ALL MANUFACTURER'S SHOP DRAWINGS FOR EXACT LOCATION AND ROUGHING IN DIMENSIONS OF ALL EQUIPMENT AND SHALL MAKE ALL FINAL CONNECTIONS AS REQUIRED.
41. BEFORE WIRING NEW OR RELOCATED FIRE ALARM DEVICES INTO EXISTING LOOPS, THE ELECTRICAL CONTRACTOR SHALL VERIFY CAPACITY FOR NEW DEVICES AND PROVIDE ANY ADDITIONAL SYSTEM COMPONENTS, WIRING OR PROGRAMMING REQUIRED TO INCORPORATE THE NEW/RELOCATED DEVICES INTO THE EXISTING FIRE ALARM SYSTEM.
42. WHEN INSTALLING A NEW CIRCUIT BREAKER IN AN EXISTING PANELBOARD, SWITCHBOARD, SWITCHGEAR, ETC. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL MATERIALS AND LABOR INCLUDING, BUT NOT NECESSARILY LIMITED TO: MOUNTING HARDWARE, BUS MODIFICATION KITS, CONTROLS, METERS, RELAYS, ETC. REQUIRED FOR A FULLY FUNCTIONAL OVER-CURRENT PROTECTION DEVICE.
43. WHEN PROVIDING NEW OVER CURRENT PROTECTIVE DEVICES, DISCONNECT SWITCHES, STARTERS, BUS PLUGS, CONTACTORS, ETC. IN EXISTING PANEL BOARDS, DISTRIBUTION PANELS, MOTOR CONTROL CENTERS, SWITCHBOARDS, SWITCHGEAR, ETC. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR MATCHING THE RATINGS AND CHARACTERISTICS OF THE EXISTING EQUIPMENT INCLUDING (BUT NOT NECESSARILY LIMITED TO) VOLTAGE, PHASING, AMPACITY, WITHSTAND RATING, BASIC IMPULSE LEVEL, INTERRUPTING RATING, ETC. ANY AND ALL COSTS ASSOCIATED WITH ANY WORK NECESSITATED BY THE FAILURE TO ADHERE TO THIS REQUIREMENT SHALL BE THE SOLE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. THESE COSTS WILL NOT BE REIMBURSED BUY THE OWNER IN ANY MANNER.
44. ALL EMPTY CONDUITS SHALL HAVE A GALVANIZED STEEL PULL WIRE OR NYLON PULL STRING.
45. ALL PANELBOARDS SHALL BE PHASED IDENTICALLY THROUGHOUT THE BUILDING.
46. ALL ACTIVE MEP/FP SYSTEMS WHICH TRANSVERSE THE AREA TO BE RENOVATED AND ARE NOT SPECIFICALLY SCHEDULED FOR DEMOLITION SHALL BE MAINTAINED. THERE SHALL BE NO INTERRUPTION OF SERVICE TO ANY AREA OUTSIDE THE SCOPE LIMITS WITHOUT WRITTEN APPROVAL FROM THE OWNER'S DESIGNATED REPRESENTATIVE.

GENERAL ABBREVIATIONS

A AMPERES	MM MILLIMETRE	NC NORMALLY CLOSED
AC ALTERNATING CURRENT	NL NIGHT LIGHT	NO NORMALLY OPEN OR NUMBER
A/C AIR CONDITIONING	NTS NOT TO SCALE	P POLE
AFF ABOVE FINISH FLOOR	PB PUSH-BUTTON	PC PLUMBING CONTRACTOR
AFG ABOVE FINISH GRADE	PNL PANEL	POS POINT OF SALE (CASHIER STATION)
AHJ AUTHORITY HAVING JURISDICTION	PVC POLYVINYL CHLORIDE	PWR POWER
AHU AIR HANDLING UNIT	P.T. POTENTIAL TRANSFORMER	QTY QUANTITY
AIC AMPERE INTERRUPTING CAPACITY	REQ'D REQUIRED	RMC RIGID METAL CONDUIT
AL ALUMINUM	RMS ROOT MEAN SQUARED	RNC RIGID NONMETALLIC CONDUIT
ARCH ARCHITECT	RNS REMOTE TEST STATION	RTU ROOF TOP UNIT
ATS AUTOMATIC TRANSFER SWITCH	SP SPARE	SPD SURGE PROTECTIVE DEVICE
ATC AUTOMATIC TEMPERATURE CONTROL	ST SHUNT TRIP	SW SWITCH
BFG BELOW FINISH GRADE	SYM SYMMETRICAL	TEL TELEPHONE
BLDG BUILDING	TMCB THERMAL MAGNETIC CIRCUIT BREAKER	UG UNDERGROUND OR UNDER GRADE
BTU BRITISH THERMAL UNITS	UL UNDERWRITERS LABORATORIES	V VOLT
°C DEGREE CELSIUS	VA VOLTAMPERE	VT VOLTAGE TRANSFORMER
C CONDUIT	W WIRE (OR WATT)	WH WATER HEATER
CAT CATALOG	WP WEATHERPROOF	XFMR TRANSFORMER
CATV COMMUNITY ANTENNAE TELEVISION	Ø PHASE	
CB CRITICAL BRANCH		
C/B CIRCUIT BREAKER		
CBM CERTIFIED BALLASTS MANUFACTURERS		
cd CANDELA RATING		
CKT CIRCUIT		
CL CENTERLINE		
CLF CURRENT LIMITING FUSE		
COL COLUMN		
CPT CONTROL POWER TRANSFORMER		
C.T. CURRENT TRANSFORMER		
CU COPPER		
dB DECIBEL		
DC DIRECT CURRENT		
DIA DIAMETER		
DWG DRAWING		
E WIRED ON EMERGENCY CIRCUIT		
EB EQUIPMENT BRANCH		
EC ELECTRICAL CONTRACTOR		
EF EXHAUST FAN		
EL ELEVATION		
ELEV ELEVATOR		
EM EMERGENCY		
EMT ELECTRICAL METALLIC TUBING		
EP EMERGENCY POWER		
EPO EMERGENCY POWER OFF		
EWC ELECTRIC WATER COOLER		
EXIST EXISTING		
°F DEGREE FAHRENHEIT		
F FUSE		
FA FIRE ALARM		
FAA FIRE ALARM ANNUNCIATOR		
FLA FULL LOAD AMPERES		
FMC FLEXIBLE METAL CONDUIT		
FT FEET		
GC GENERAL CONTRACTOR		
GFCI GROUND-FAULT CIRCUIT INTERRUPTER		
GND.G GROUND OR GROUNDING		
GRMC GALVANIZED RIGID METALLIC CONDUIT		
HOA HAND, OFF, AUTOMATIC SWITCH		
HVAC HEATING, VENTILATION, AIR CONDITIONING CONTRACTOR		
IEEE INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS		
IG ISOLATED GROUND		
IMC INTERMEDIATE METAL CONDUIT		
INT INTERLOCK		
*K DEGREE KELVIN		
KCMIL THOUSAND CIRCULAR MILS		
KVA KILOVOLTAMPERES		
KVAR KILOVOLTAMPERES REACTIVE		
KW KILOWATTS		
LFMC LIQUID TIGHT FLEXIBLE METAL		
LTG LIGHTING		
LRA LOCK ROTOR AMPS		
MC METAL CLAD CABLE		
MCB MAIN CIRCUIT BREAKER		
MCC MOTOR CONTROL CENTER		
MCP MOTOR CIRCUIT PROTECTOR		
MI MINERAL INSULATED CABLE		
MISC MISCELLANEOUS		
MLO MAIN LUGS ONLY		



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4/11/2023 11:19:45 AM

NO.	DATE	DESCRIPTION

KEY PLAN

HOPE HEALTH ACTION

OWNER

HHA NICU
ENTER ADDRESS HERE

PROJECT

ELECTRICAL GENERAL NOTES & ABBREVIATIONS

DRAWING TITLE

SCALE 12" = 1'-0" DATE MM/DD/YYYY

JOB NUMBER 64-001

DRAWN Author CHECKED Checker

Current Package

E001

DRAWING NUMBER

SECURITY SYSTEM

	SECURITY SYSTEM CONTROL PANEL
	SYSTEM CARD READER
	SYSTEM KEYPAD
	MOTION SENSOR
	DOOR RELEASE
	MAGNETIC LOCK
	ELECTRIC STRIKE
	ELECTRIC LOCK
	VIDEO CAMERA AND INTERCOM AT DOOR
	VIDEO MONITOR FOR DOORS
	POWER SUPPLY FOR SECURITY VIDEO CAMERA
	CLOSED CIRCUIT TV MONITOR
	CLOSED CIRCUIT TV CAMERA

NOTE:
ELECTRICAL CONTRACTOR SHALL PROVIDE 4" BACK BOX WITH 1" CONDUIT TO SECURITY MANAGEMENT HEAD END EQUIPMENT. EQUIPMENT, DEVICES AND ALL WIRING BY SYSTEM INTEGRATOR.

SWITCHING

	SINGLE POLE SWITCH
	THREE-WAY SWITCH
	FOUR-WAY SWITCH
	SINGLE POLE SWITCH WITH PILOT LIGHT
	DIMMING SWITCH. SHALL BE COMPATIBLE WITH LIGHTING TYPE BEING CONTROLLED.
	THREE-WAY DIMMING SWITCH. SHALL BE COMPATIBLE WITH LIGHTING TYPE BEING CONTROLLED.
	TIMER SWITCH
	KEY SWITCH
	SWITCH WITH BYPASS RELAY
	TIME CLOCK
	PHOTOCELL
	WALL MOUNTED OCCUPANCY SENSOR
	CEILING MOUNTED OCCUPANCY SENSOR
	THERMOSTAT CONTROL SWITCH

TELECOMMUNICATION

	TELECOMMUNICATION SINGLE GANG RAISED COVER PLATE. 4" SQUARE BACK BOX WITH 1 1/4" CONDUIT TO ABOVE NEAREST ACCESSIBLE CORRIDOR CEILING. PROVIDE PULL STRING. 'C' INDICATES MOUNTED ABOVE COUNTER.
	FOR VOICE OUTLET W/ SINGLE GANG RAISED COVER PLATE. 4" SQUARE BACK BOX WITH 1 1/4" CONDUIT TO NEAREST ACCESSIBLE ABOVE CORRIDOR CEILING. PROVIDE PULL STRING. 'W' INDICATES WALL MOUNTED 4'-0" AFF.
	FLUSH MOUNT FLOOR BOX FOR VOICE AND/OR DATA WITH 1-1/4" CONDUIT TO ABOVE CORRIDOR CEILING, UNLESS OTHERWISE NOTED.
	VIDEO OUTLETS BACK BOX WITH 1 1/4" CONDUIT TO SPACE ABOVE CORRIDOR CEILING
	MONITOR OUTLET BOX WITH 1" CONDUIT TO ABOVE NEAREST ACCESSIBLE CEILING
	ACCESS POINT
	DUPLEX DATA OUTLET
	WIRELESS ACCESS POINT.

ONE-LINE DIAGRAM

	SPLICE
	RACEWAY BREAK SYMBOL, INDICATES CONTINUATION OF RACEWAY AND WIRING
	RACEWAY CAP SYMBOL, INDICATES CAPPED AND SEALED RACEWAY
	DELTA
	WYE
	SYSTEM GROUND OR EARTHING
	TRANSFER SWITCH
	THREE POLE SWITCH OR CIRCUIT BREAKER
	GENERATOR
	DIGITAL MULTI-FUNCTION METER
	TRANSFORMER WITH TWO WINDINGS
	VOLTAGE TRANSFORMER
	CURRENT TRANSFORMER
	CONTACTOR
	CIRCUIT BREAKER
	DISCONNECT (ISOLATOR) OFF LOAD
	SWITCH-DISCONNECTOR ON LOAD
	THERMAL OVERCURRENT PROTECTION
	MAGNETIC OVERCURRENT PROTECTION
	INSTANTANEOUS OVERCURRENT PROTECTION
	RESIDUAL CURRENT CIRCUIT BREAKER (RCCB) 30mA

RACEWAYS

	HOMERUN TO PANEL LP1, CIRCUIT #S 2, 4 & 6 VIA 20A-1P CIRCUIT BREAKERS. TICKS INDICATE QUANTITY OF #12 AWG COPPER PHASE AND NEUTRAL CONDUCTORS. EQUIPMENT GROUND CONDUCTOR NOT INDICATE BUT SHALL BE PROVIDED EQUIPMENT GROUND CONDUCTOR OR SHALL BE PROVIDED IN ACCORDANCE WITH SPECIFICATIONS AND NEC MINIMUM SIZE. CONDUIT SHALL BE 3/4" MINIMUM UNLESS OTHERWISE NOTED. REFER TO THE 'BRANCH CIRCUIT SCHEDULE' NOTES AND CIRCUIT LENGTH TABLE FOR WIRE SIZE INCREASES DUE TO VOLTAGE DROP.
	HOMERUN TO PANEL 'LP1', CIRCUIT # 3 VIA 60A-3P CIRCUIT BREAKER. REFER TO 'BRANCH CIRCUITS SCHEDULE' FOR CONDUCTOR SIZE, QUANTITIES AND CONDUIT INFORMATION.
	PULL BOX
	CONDUIT TURN UP
	CONDUIT TURN DOWN
	CONDUIT STUB ABOVE CEILING
	4" SLEEVE
	CABLE TRAY
	FEEDER SIZE TAG, REFER TO FEEDER SCHEDULE

MOTORS AND EQUIPMENT

	MOTOR - NUMBER INDICATES KW
	THERMAL OVERLOAD SWITCH
	DISCONNECT SWITCH, "WP" DENOTES WEATHERPROOF
	FUSED DISCONNECT SWITCH, "WP" DENOTES WEATHERPROOF
	MUSHROOM TYPE EMERGENCY SHUTDOWN SWITCH
	MAGNETIC MOTOR CONTROLLER
	COMBINATION DISCONNECT/MOTOR STARTER
	AQUASTAT FURNISHED AND INSTALLED BY PLUMBING CONTRACTOR, WIRED BY ELECTRICAL CONTRACTOR
	HVAC AUTOMATIC TEMPERATURE CONTROL PANEL FURNISHED AND INSTALLED BY HVAC CONTRACTOR, WIRED BY ELECTRICAL CONTRACTOR
	VARIABLE FREQUENCY DRIVE, FURNISHED AND INSTALLED BY HVAC CONTRACTOR, WIRED BY ELECTRICAL CONTRACTOR
	JUNCTION BOX
	JUNCTION BOX WITH FLEX CONNECTION TO EQUIPMENT

JUNCTION BOX SUBSCRIPT DESCRIPTION

"ATC"	CONNECTION TO AUTOMATIC TEMPERATURE CONTROLS
"AF"	CONNECTION TO AUTO FLUSH OR AUTO FAUCET
"EL"	CONNECTION TO EXAM LIGHT
"SEC"	CONNECTION TO SECURITY
"AD"	CONNECTION TO AUTOMATIC DOOR
"HD"	CONNECTION TO HAND DRYER
"PS"	CONNECTION TO MOTORIZED PROJECTION SCREEN
"EWC"	CONNECTION TO ELECTRIC WATER COOLER
"FH"	CONNECTION TO FUME HOOD

RECEPTACLES

	DUPLEX RECEPTACLE, 'C' REFER TO RECEPTACLE SUBSCRIPT DESCRIPTION BELOW.
	DOUBLE DUPLEX RECEPTACLE, 'S' REFER TO RECEPTACLE SUBSCRIPT DESCRIPTION BELOW.
	TRI-PLEX RECEPTACLE
	DUPLEX RECEPTACLE ON EMERGENCY CIRCUIT
	DOUBLE DUPLEX RECEPTACLE ON EMERGENCY CIRCUIT
	SPECIAL PURPOSE RECEPTACLE - REFER TO SCHEDULE FOR TYPE
	FLUSH MOUNT FLOOR OR CEILING BOX WITH RECEPTACLES AS SHOWN "CM" DENOTES CEILING MOUNTED
	COMBINATION DUPLEX USB CHARGER WITH HOSPITAL GRADE, TAMPER RESISTANT DUPLEX RECEPTACLE (P&S TR8300USB OR APPROVED EQUAL)
	CLOCK AND SPEAKER BACK BOX WITH 1" CONDUIT TO SPACE ABOVE CORRIDOR CEILING
	CEILING MOUNTED TWIST-LOCK RECEPTACLE

RECEPTACLE SUBSCRIPT DESCRIPTION

	SUBSCRIPT INDICATES MOUNTED @ 44"7.12M AFF
	INDICATES CIRCUIT NUMBER
	INDICATES PANEL WHERE CIRCUIT ORIGINATES

"C"	MOUNTED ABOVE COUNTER @ 44"7.12M A.F.F.	"S"	SURFACE MOUNTED
"WP"	WEATHERPROOF	"R"	REFRIGERATOR
"W"	WASHING MACHINE	"CM"	CEILING MOUNTED
"D"	DRYER	"DW"	DISHWASHER
"IG"	ISOLATED GROUND	"M"	MICROWAVE
"RA"	RANGE	"T"	TAMPER PROOF
"WG"	WIRE GUARD	"ICE"	ICEMAKER
"GFI"	GROUND FAULT	"DC"	DROP CORD

FIRE ALARM

	AUDIOVISUAL DEVICE MOUNTED AT 80" A.F.F. TO CENTERLINE ALL DEVICES 75cd UNLESS NOTED OTHERWISE
	VISUAL DEVICE MOUNTED AT 80" A.F.F. TO CENTERLINE ALL DEVICES 15cd UNLESS NOTED OTHERWISE
	MANUAL PULL STATION MOUNTED AT 48" A.F.F. TO CENTERLINE
	SMOKE DETECTOR
	THERMAL HEAT DETECTOR - RATE OF RISE 130°F
	THERMAL HEAT DETECTOR - FIXED TEMPERATURE 136°F
	CARBON MONOXIDE DETECTOR
	REMOTE ALARM INDICATOR
	EXTERIOR FIRE ALARM BEACON
	MAGNETIC DOOR HOLDER FURNISHED, INSTALLED AND WIRED BY THE ELECTRICAL CONTRACTOR.
	DUCT SMOKE DETECTOR FURNISHED AND WIRED BY THE ELECTRICAL CONTRACTOR, INSTALLED BY THE HVAC CONTRACTOR.
	FIRE ALARM ANNUNCIATOR PANEL
	FIRE ALARM CONTROL PANEL
	FIRE ALARM VOICE EVACUATION CONTROL PANEL
	AUXILIARY STROBE POWER SUPPLY
	FIRE ALARM MASTER BOX COORDINATE WITH FIRE DEPARTMENT FOR LOCATION AND REQUIREMENTS.

LIGHTING

	1x4 LIGHTING FIXTURE
	2x2 LIGHTING FIXTURE
	2x4 LIGHTING FIXTURE
	4'-0" STRIP LIGHTING FIXTURE
	RECESSED DOWNLIGHT FIXTURE
	WALL MOUNTED LIGHTING FIXTURE
	LIGHT FIXTURE SYMBOLS SHOWN WITH NO SHADOWING ARE CONNECTED TO NORMAL CIRCUIT
	LIGHT FIXTURE SYMBOLS WITH FULL SHADING ARE CONNECTED TO LIFE SAFETY/EMERGENCY CIRCUIT
	LIGHT FIXTURE SYMBOLS WITH HALF SHADING ARE CONNECTED TO CRITICAL CIRCUIT
	EMERGENCY BATTERY UNIT WITHOUT LIGHT HEADS
	EMERGENCY BATTERY UNIT WITH LIGHT HEADS
	REMOTE SINGLE EMERGENCY LIGHT HEAD
	REMOTE DOUBLE EMERGENCY LIGHT HEADS
	SINGLE FACE LED EXIT SIGN, CEILING MOUNTED
	DOUBLE FACE LED EXIT SIGN, CEILING MOUNTED
	LED EXIT SIGN, WALL MOUNTED

LIGHTING SUBSCRIPT DESCRIPTION

	LIGHTING FIXTURE TYPE DESIGNATION
	INDICATES CIRCUIT NUMBER
	INDICATES SWITCH CONTROL
	INDICATES PANEL WHERE CIRCUIT ORIGINATES

AUTOMATIC LIGHTING CONTROLS

	WALL BOX MOUNTED, DUAL TECHNOLOGY SENSOR SWITCH WITH SINGLE MANUAL ON BUTTON. SENSOR SWITCH #WSW-PDT-WH, OR APPROVED EQUAL
	WALL BOX MOUNTED, DUAL TECHNOLOGY SENSOR SWITCH WITH 0-10V DIMMING. SENSOR SWITCH #WSX-PDT-S-WH, OR APPROVED EQUAL
	CEILING MOUNTED, DUAL TECHNOLOGY SENSOR SWITCH WITH INTEGRAL PHOTO SENSOR. SENSOR SWITCH #CMPDT9, OR APPROVED EQUAL
	CEILING MOUNTED, DUAL TECHNOLOGY SENSOR SWITCH WITH INTEGRAL PHOTO SENSOR. SENSOR SWITCH #CMPDT11, OR APPROVED EQUAL

NOTE:
PROVIDE POWER PACKS AS NECESSARY.

COMBINATION SERVICES BOXES

	RECESSED FLUSH, FIRE CLASSIFIED, COMBINATION FLOOR BOX WITH (4) DUPLEX BRACKETS. PROVIDE WITH (2) DUPLEX RECEPTACLES AND PROVISIONS FOR TELECOMMUNICATION AND A/V ON THE OTHER BRACKETS. PROVIDE (1) 1" C. FOR POWER, (1) 1" C. FOR TELECOMMUNICATIONS AND (1) 1 1/4" C. FOR A/V. WIREMOLD #RFB4-4DBIC, OR APPROVED EQUAL. BOX FOR SLAB-ON-GRADE APPLICATION SHALL BE FURNISHED WITH EPOXY COATING. PROVIDE BRUSHED ALUMINUM FLANGED COVER.
	RECESSED WALL TV/MONITOR SERVICE BOX. WIREMOLD #EFSB4, FOUR GANG BOX WITH DUPLEX RECEPTACLE, AND PROVISIONS FOR TELECOMMUNICATIONS AND A/V.

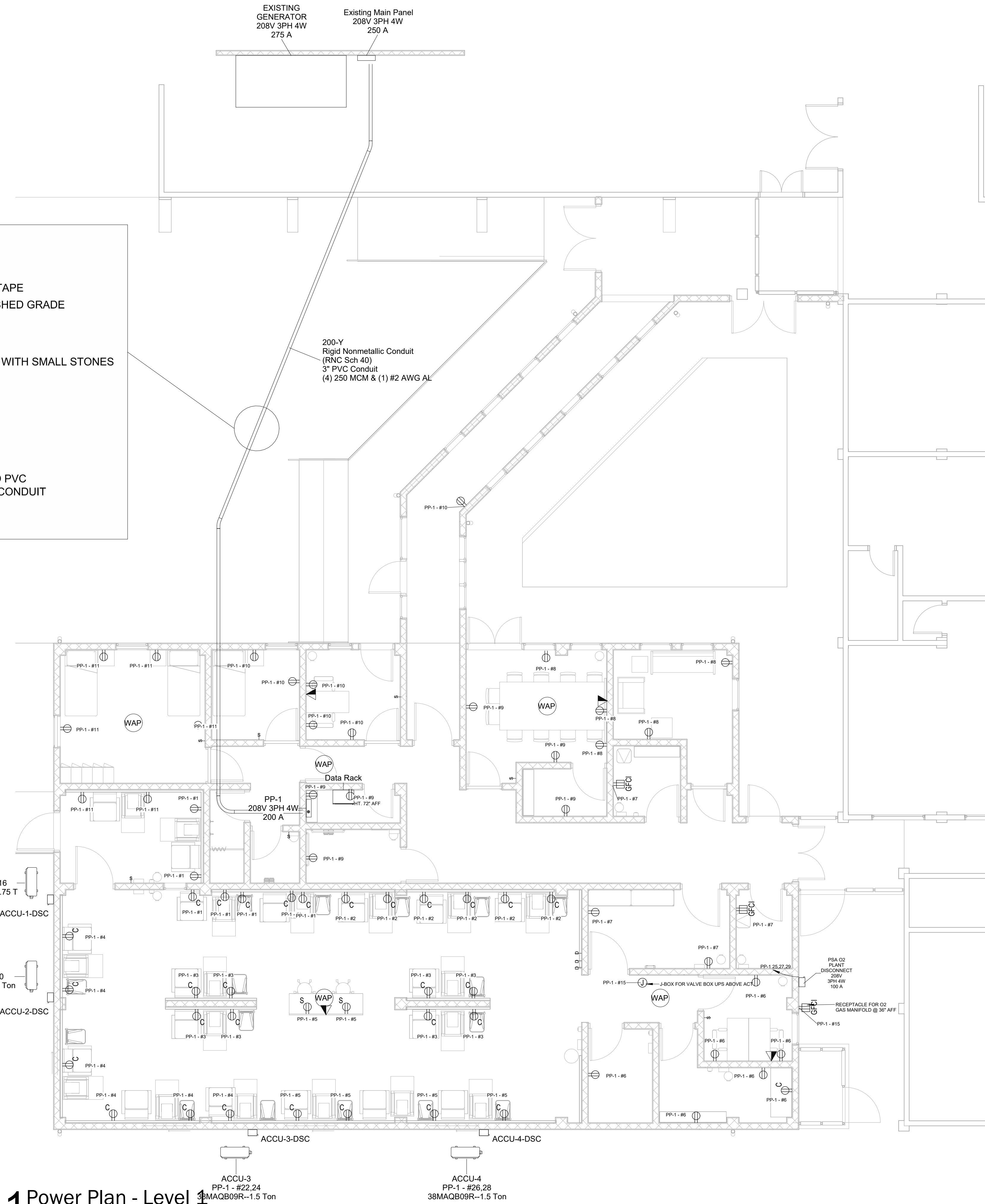
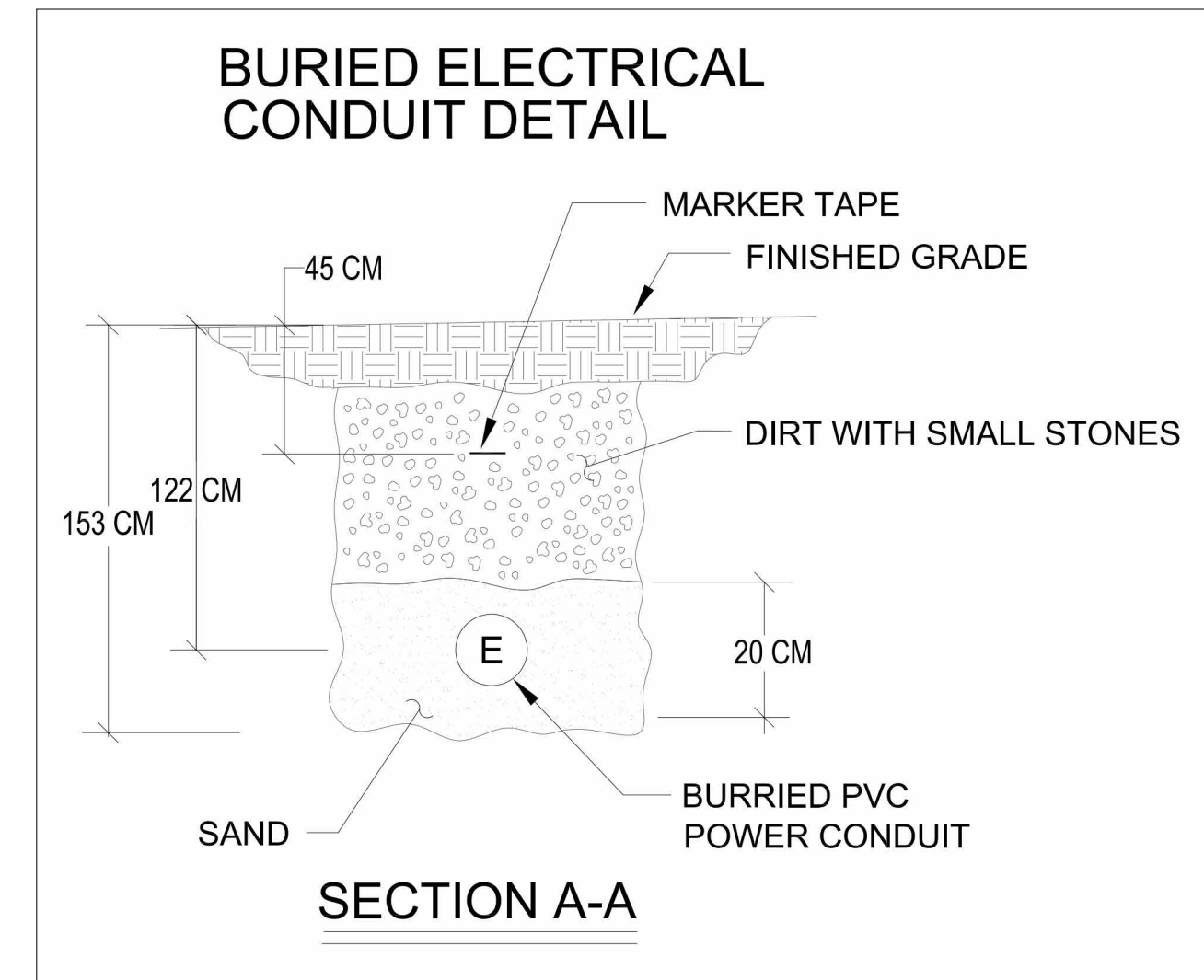
DISTRIBUTION EQUIPMENT

	230V, 1Ø PANEL. "A" - REFER TO LEGEND OF PANEL KEY SCHEDULE ON FLOOR PLANS
	400/230V, 3Ø, 4W PANEL.
	AUTOMATIC TRANSFER SWITCH
	TRANSFORMER, REFER TO DRY TYPE TRANSFORMER SCHEDULE FOR ADDITIONAL INFORMATION
	METER WITH METER SOCKET, PROVIDE SOCKET AS REQUIRED BY ELECTRIC UTILITY COMPANY
	MOTOR CONTROL CENTER
	ENCLOSED CIRCUIT BREAKER
	CURRENT TRANSFORMER CABINET AS REQUIRED BY UTILITY COMPANY

NURSE CALL SYSTEM

	NURSE CALL EMERGENCY CALL STATION (PULL CORD) COORDINATE EXACT LOCATION W/ OWNER AND ARCHITECT
	24VAC TRANSFORMER
	PATIENT DOME LIGHT, WALL MOUNTED

NOTE:
ELECTRICAL CONTRACTOR TO COORDINATE ALL BOX SIZES WITH APPROVED EQUIPMENT VENDOR PRIOR TO ROUGH IN.



1 Power Plan - Level 1
SCALE 3/16" = 1'-0"

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NO.	DATE	DESCRIPTION

KEY PLAN

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PROJECT

**ELECTRICAL LEVEL 1
POWER PLAN**

DRAWING TITLE

SCALE 3/16" = 1'-0" DATE MM/DD/YYYY

JOB NUMBER 64-001

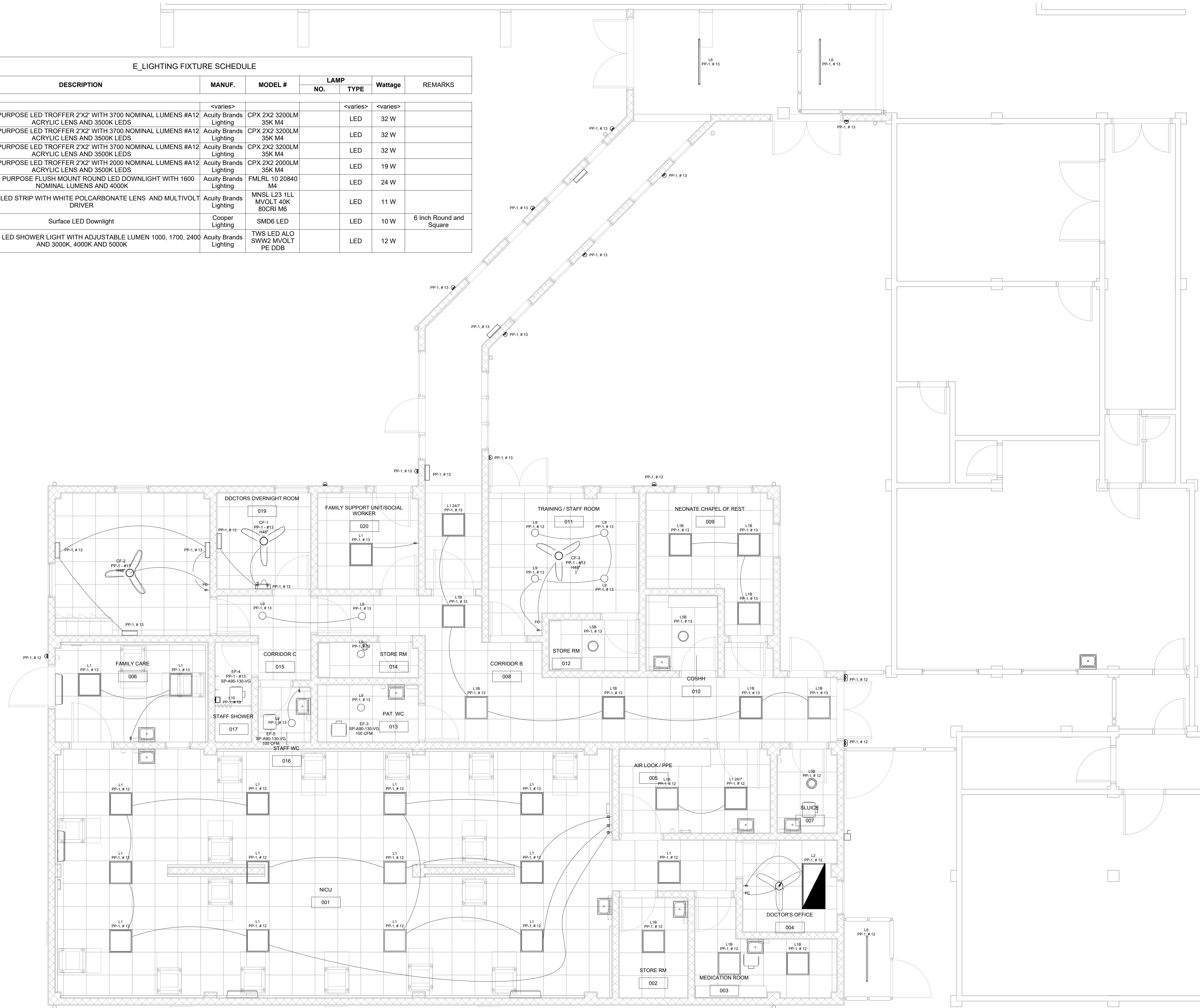
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Current Package

E101

DRAWING NUMBER

E_LIGHTING FIXTURE SCHEDULE							
TYPE	DESCRIPTION	MANUF.	MODEL #	LAMP		Wattage	REMARKS
				NO.	TYPE		
L1	GENERAL PURPOSE LED TROFFER 2'X2' WITH 3700 NOMINAL LUMENS #A12 ACRYLIC LENS AND 3500K LEDS	<varies>	CPX 2X2 3200LM 35K M4	<varies>	<varies>	32 W	
L1 24/7	GENERAL PURPOSE LED TROFFER 2'X2' WITH 3700 NOMINAL LUMENS #A12 ACRYLIC LENS AND 3500K LEDS	Acuity Brands Lighting	CPX 2X2 3200LM 35K M4			32 W	
L1B	GENERAL PURPOSE LED TROFFER 2'X2' WITH 3700 NOMINAL LUMENS #A12 ACRYLIC LENS AND 3500K LEDS	Acuity Brands Lighting	CPX 2X2 3200LM 35K M4			32 W	
L2	GENERAL PURPOSE LED TROFFER 2'X2' WITH 2000 NOMINAL LUMENS #A12 ACRYLIC LENS AND 3500K LEDS	Acuity Brands Lighting	CPX 2X2 2000LM 35K M4			19 W	
L5B	GENERAL PURPOSE FLUSH MOUNT ROUND LED DOWNLIGHT WITH 1600 NOMINAL LUMENS AND 4000K	Acuity Brands Lighting	FMLRL 10 20840 M4			24 W	
L6	46" LINEAR LED STRIP WITH WHITE POLYCARBONATE LENS AND MULTIVOLT DRIVER	Acuity Brands Lighting	MNSL L23 1LL MVOLT 40K 80CRI M6			11 W	
L9	Surface LED Downlight	Cooper Lighting	SMD6 LED			10 W	6 Inch Round and Square
L10	WALL PACK LED SHOWER LIGHT WITH ADJUSTABLE LUMEN 1000, 1700, 2400 AND 3000K, 4000K AND 5000K	Acuity Brands Lighting	TWS LED ALO SWW2 MVOLT PE DDB			12 W	



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KEY PLAN

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ELECTRICAL LEVEL 1 LIGHTING PLAN

DRAWING TITLE

SCALE 1/4" = 1'-0" DATE MM/DD/YYYY

JOB NUMBER 64-001

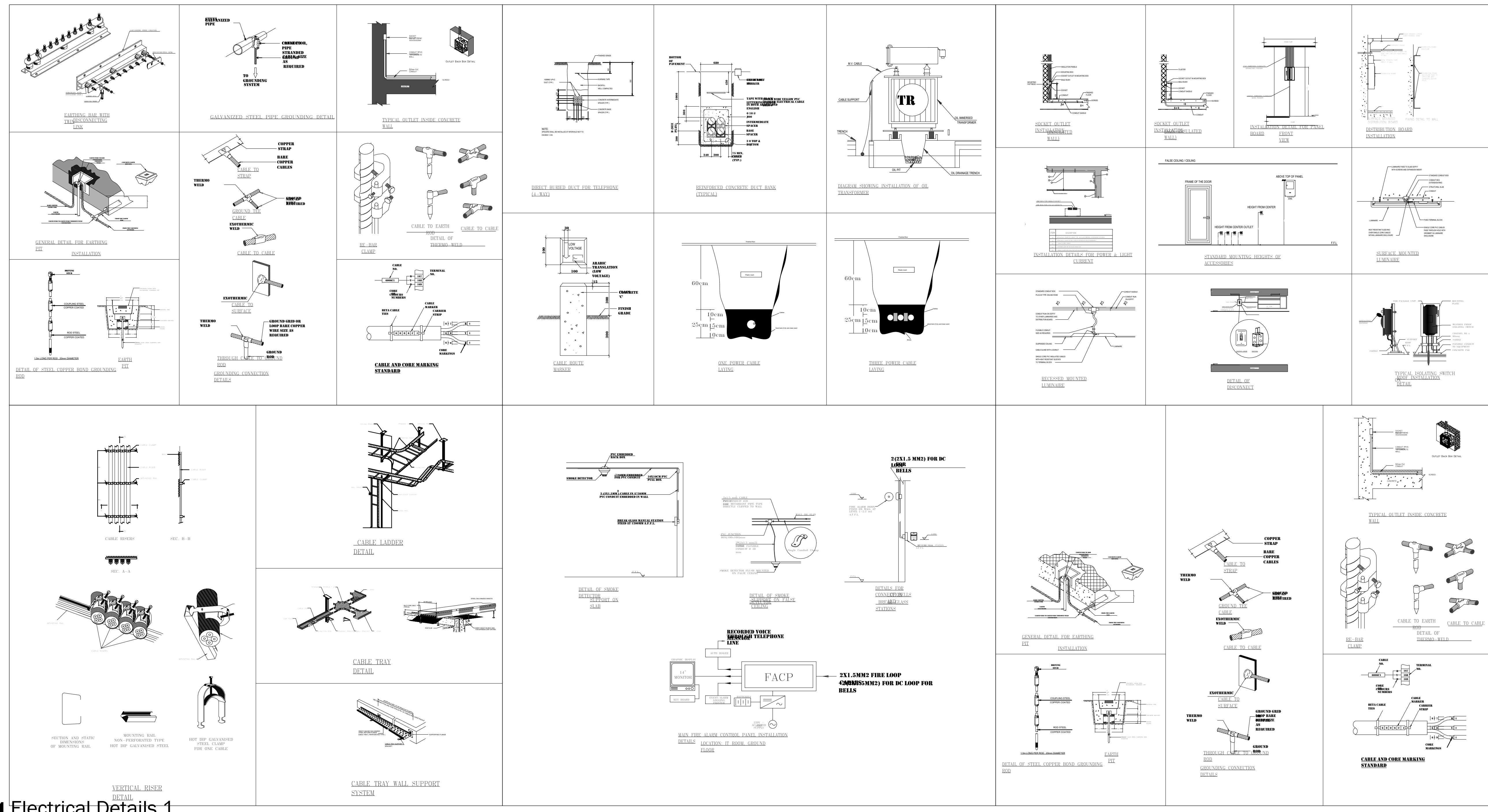
DRAWN Author CHECKED Checker

Current Package

E102

DRAWING NUMBER

1 Lighting Ceiling Plan - Level 1
SCALE 1/4" = 1'-0"



1 Electrical Details 1
SCALE 12" = 1'-0"

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KEY PLAN

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ELECTRICAL DETAILS

DRAWING TITLE

SCALE 12" = 1'-0" DATE MM/DD/YYYY

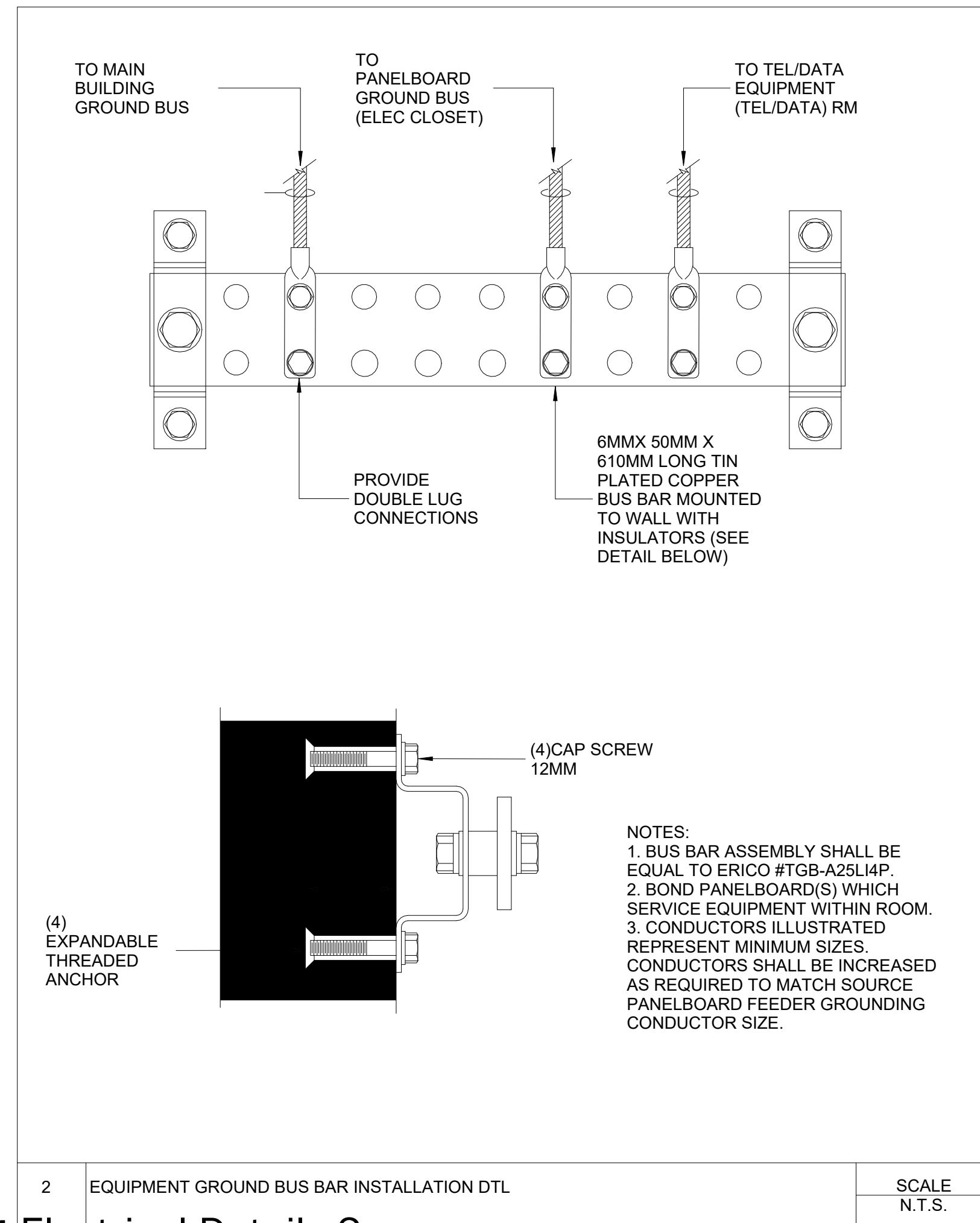
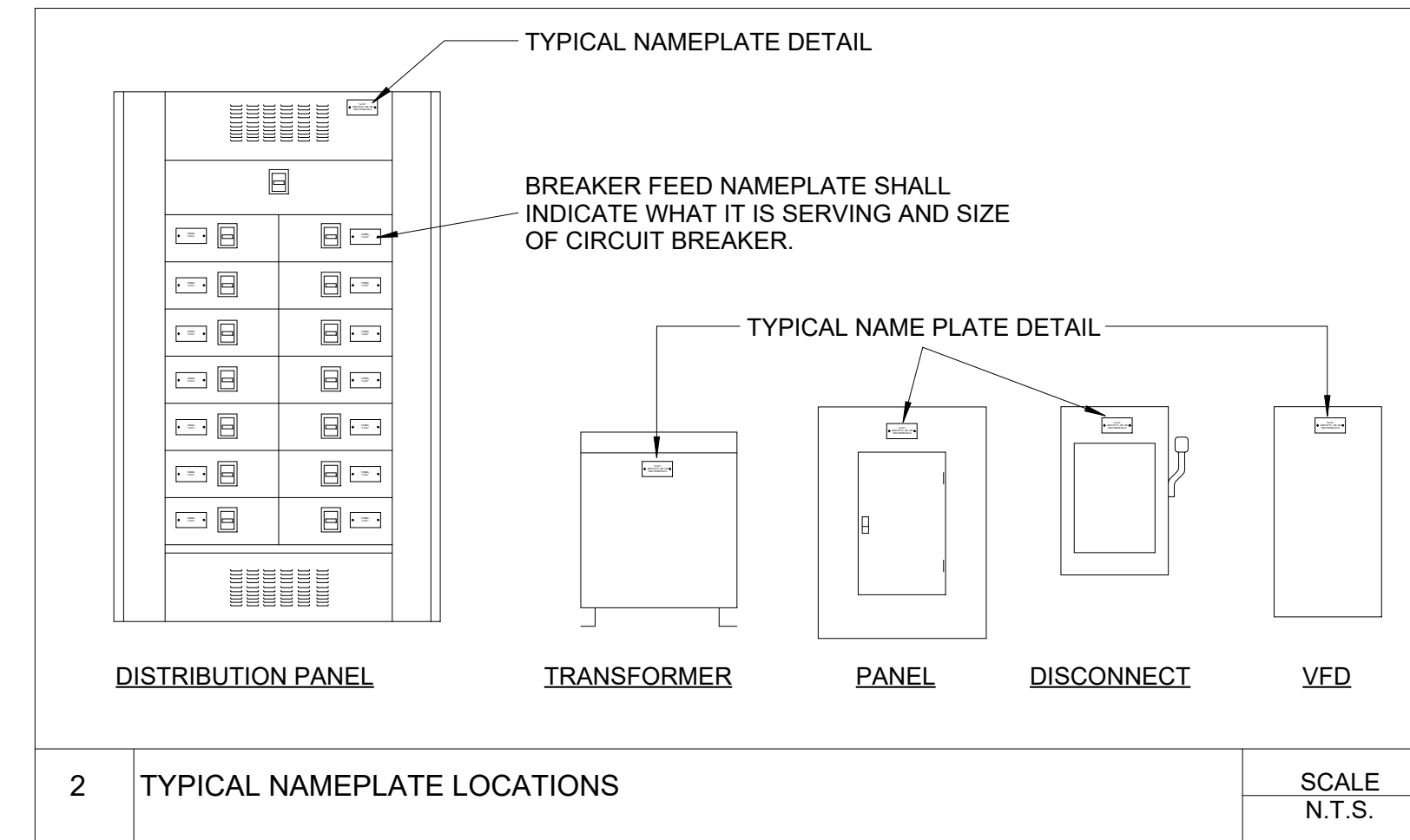
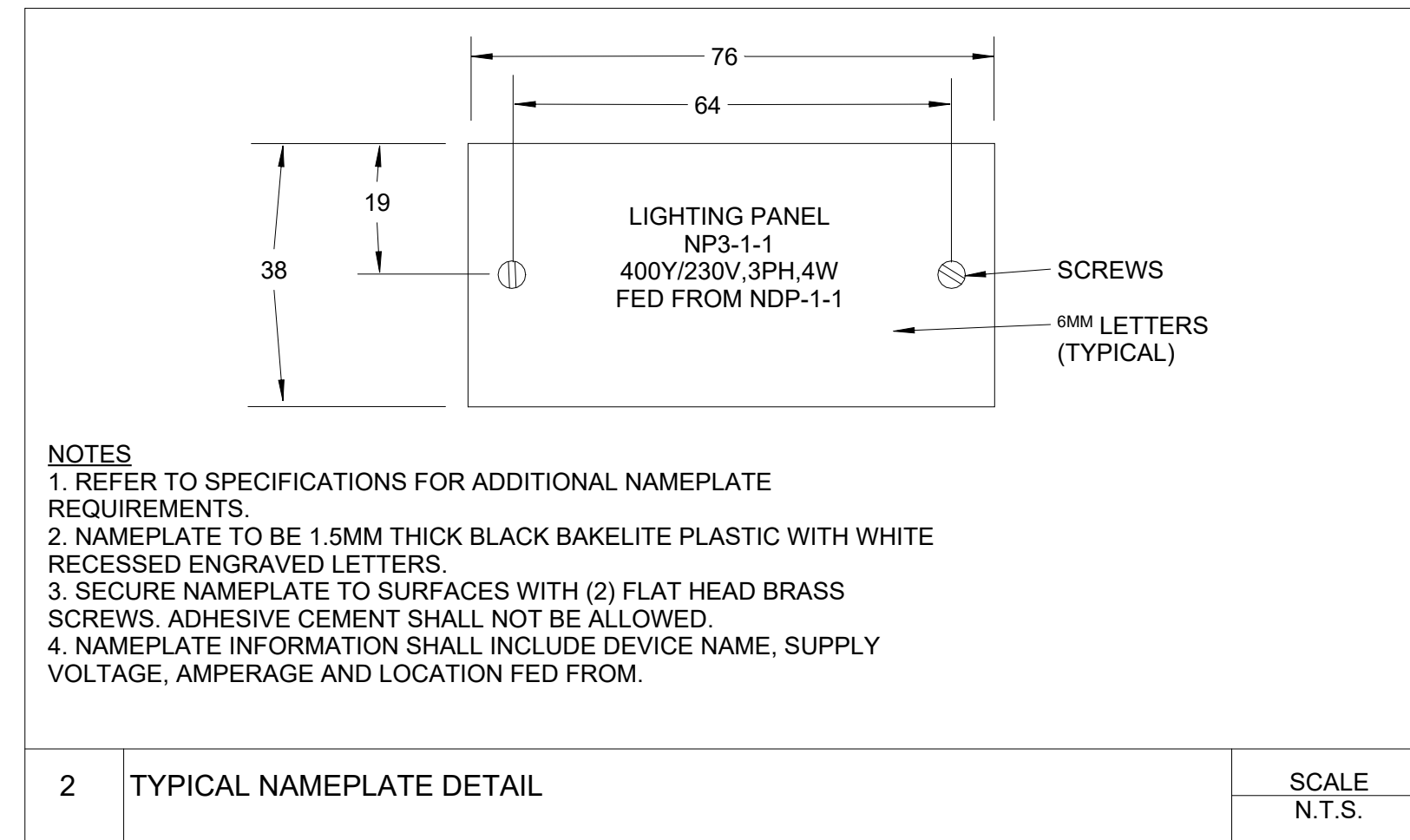
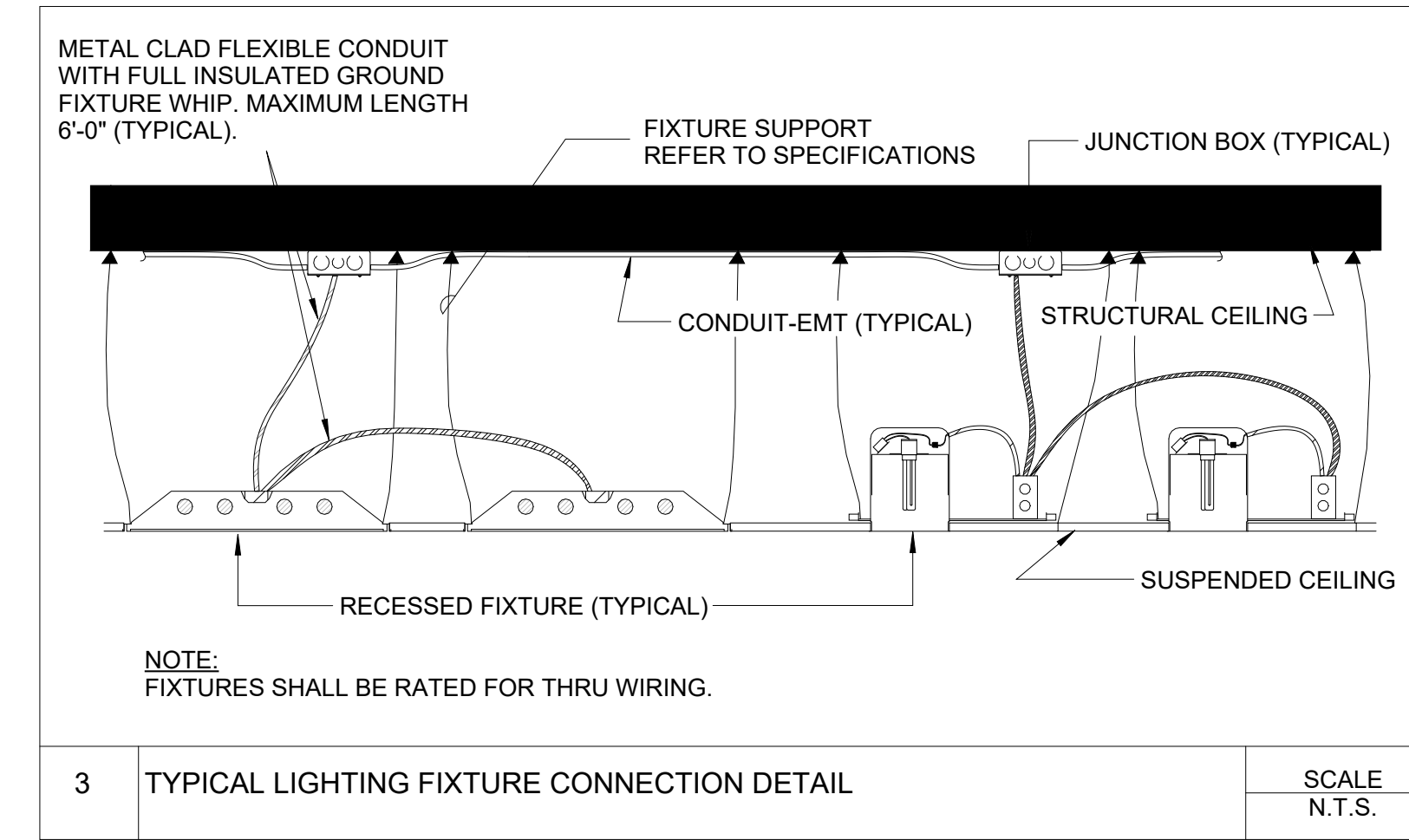
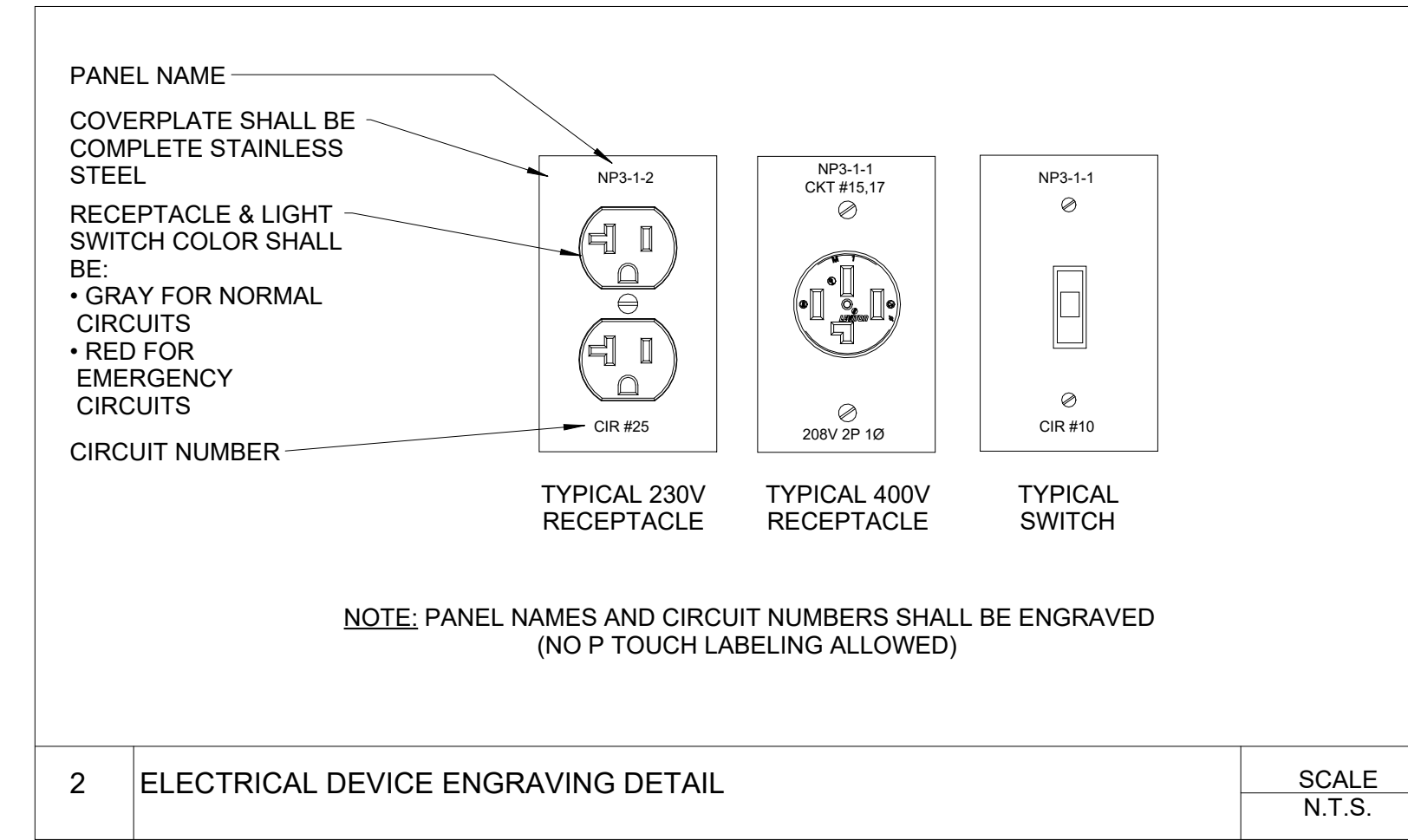
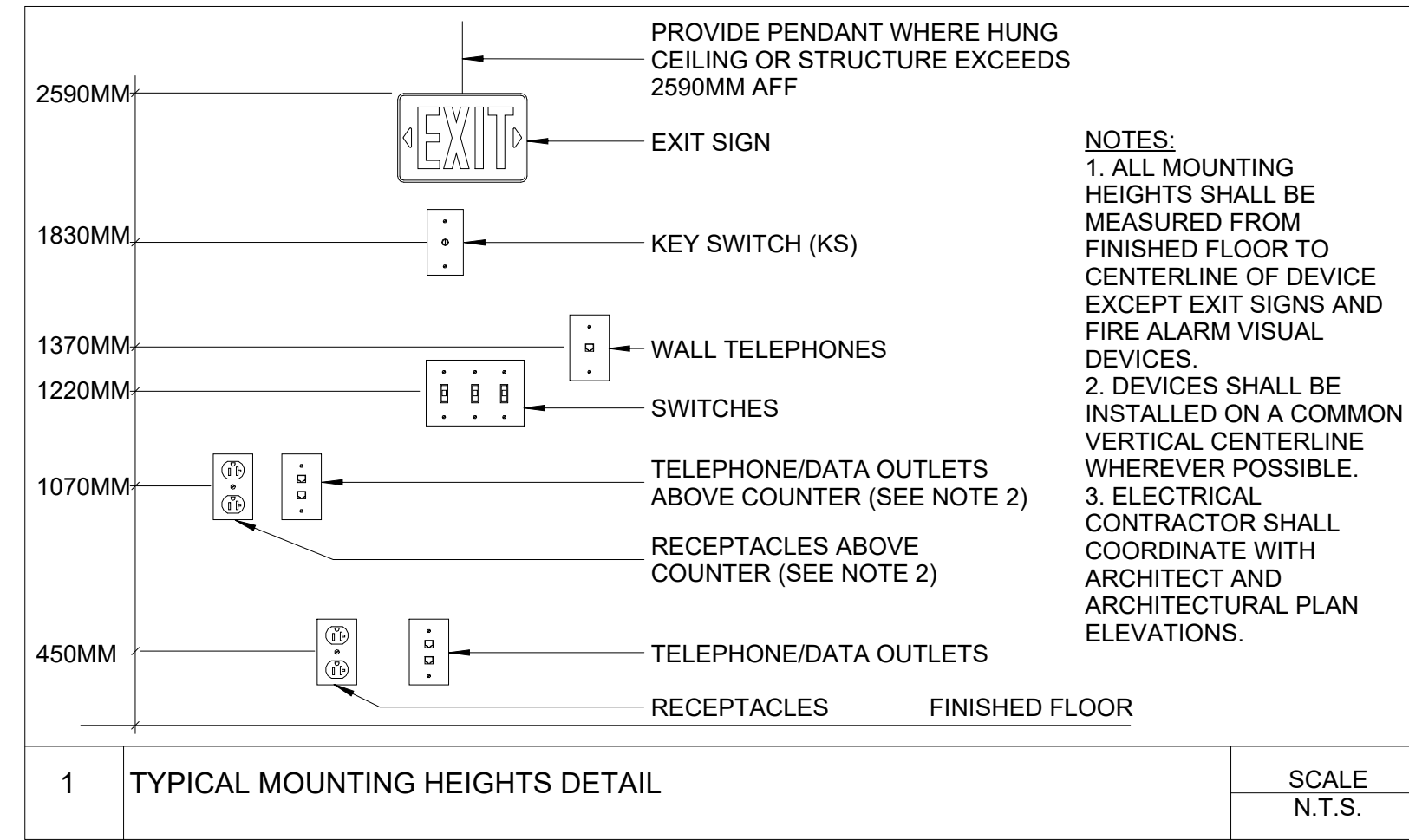
JOB NUMBER 64-001

DRAWN Author CHECKED Checker

Current Package

E200

DRAWING NUMBER



1 Electrical Details 2
SCALE 1 : 1900

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NO.	DATE	DESCRIPTION
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KEY PLAN

HOPE HEALTH ACTION

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PROJECT

ELECTRICAL DETAILS 2

DRAWING TITLE

SCALE 1 : 1900 DATE 12/20/22

JOB NUMBER 64-001

DRAWN Author CHECKED Checker

Current Package

E201

DRAWING NUMBER

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KEY PLAN

HOPE HEALTH ACTION

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PANEL SCHEDULE & ONE LINE

DRAWING TITLE

SCALE As indicated DATE MM/DD/YYYY

JOB NUMBER 64-001

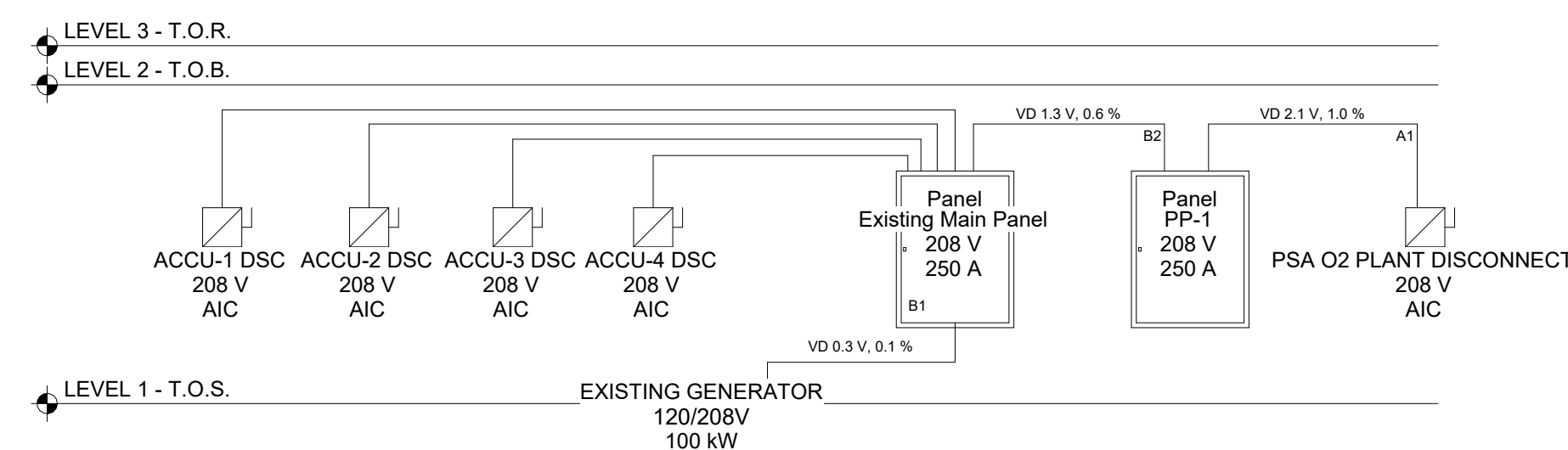
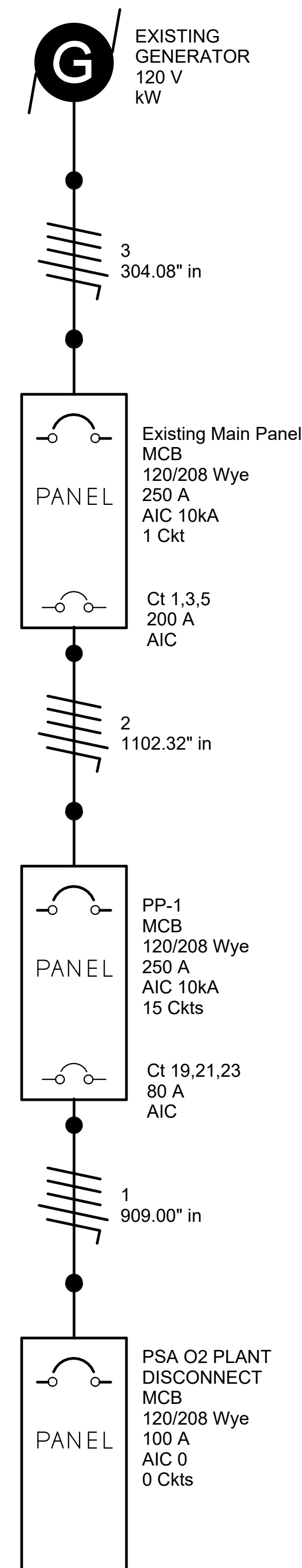
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Current Package

E300

DRAWING NUMBER

PP-1													
Location: STORE RM 014			Distribution System: 120/208 Wye			Rated Interrupting Capacity: 10kA							
Supply From: Existing Main...			Phase: 3			Mains Type: MCB							
Mounting: Surface			Wire: 4			MCB Rating: 200 A							
Enclosure: 200 A			Lug Amps: 250 A			Main Bus: 200 A							
Number of Single pole Circuits: 42						Neutral Bus Size Percent: 100.00%			Supply from: Existing Main Panel				
No.	Description	Breaker	L-N-G	Distribution Power (Loads in KVA)						L-N-G	Breaker	Description	No.
1	RECEPTACLES	20 A/1	1-#12, 1-#12, 1-#12	1260 VA			1080 VA			1-#12, 1-#12, 1-#12	20 A/1	RECEPTACLES	2
3	RECEPTACLES	20 A/1	1-#12, 1-#12, 1-#12		1440 VA			1080 VA		1-#12, 1-#12, 1-#12	20 A/1	RECEPTACLES	4
5	RECEPTACLES	20 A/1	1-#12, 1-#12, 1-#12			1080 VA			1260 VA	1-#10, 1-#10, 1-#10	20 A/1	RECEPTACLES	6
7	RECEPTACLES	20 A/1	1-#12, 1-#12, 1-#12	720 VA			900 VA			1-#12, 1-#12, 1-#12	20 A/1	RECEPTACLES	8
9	RECEPTACLES	20 A/1	1-#12, 1-#12, 1-#12		1080 VA			1080 VA		1-#12, 1-#12, 1-#12	20 A/1	RECEPTACLES	10
11	RECEPTACLES	20 A/1	1-#12, 1-#12, 1-#12			1080 VA			144 VA	1-#14, 1-#14, 1-#14	15 A/1	Lighting	12
13	Lighting	15 A/1	1-#10, 1-#10, 1-#10	936 VA			367 VA			2-#14, 1-#14, 1-#14	15 A/2	ACCU-1	14
15	Power	20 A/1	1-#12, 1-#12, 1-#12		180 VA			367 VA		--	--	--	16
17	Spare	20 A/1	--			0 VA			468 VA	2-#12, 1-#12, 1-#12	20 A/2	ACCU-2	18
19	Spare	20 A/1	--	0 VA				468 VA		--	--	--	20
21	Spare	20 A/1	--		0 VA			697 VA		2-#12, 1-#12, 1-#12	20 A/2	ACCU-3	22
23	Spare	15 A/1	--			0 VA			697 VA	--	--	--	24
25	PSA O2 PLANT DISCONNECT	80 A/3	3-#3, 1-#3, 1-#8	7500 VA			697 VA			2-#12, 1-#12, 1-#12	20 A/2	ACCU-4	26
27	--	--	--		7500 VA			697 VA		--	--	--	28
29	--	--	--			7500 VA			0 VA	--	20 A/2	Spare	30
31							0 VA			--	--	--	32
33													34
35													36
37													38
39													40
41													42
				13.65 kVA	13.81 kVA	12.02 kVA	13.65 kVA	13.81 kVA	12.02 kVA				
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals					
HVAC		4506 VA		100.00%		4506 VA		Total Conn. Load: 39.48 kVA					
Lighting - Dwelling Unit		480 VA		100.00%		480 VA		Total Est. Demand: 38.36 kVA					
Motor		22500 VA		100.00%		22500 VA		Total Conn.: 110 A					
Other		192 VA		100.00%		192 VA		Total Est. Demand: 106 A					
Receptacle		12240 VA		90.85%		11120 VA							
Power		0 VA		0.00%		0 VA							
Lighting		360 VA		100.00%		360 VA							
Notes:													



Wire Type Legend

Key	Name	Material	Temp Rating	Insulation	Max Size	Neutral Multiplier	Neutral Required	Neutral Size	Conduit Type
A	THWN	Copper	60	THWN	2000	1	True	HotConductorSize	Non-Magnetic
1	H 3-#3, N 1-#3, G 1-#8								
B	XHHW	Copper	60	XHHW	2000	1	True	HotConductorSize	Non-Magnetic
1	H 3-#350, N 1-#350, G 1-#4								
2	H 3-#250, N 1-#250, G 1-#6								
C	Default	Aluminium	60	TW	2000	1	True	HotConductorSize	Non-Magnetic

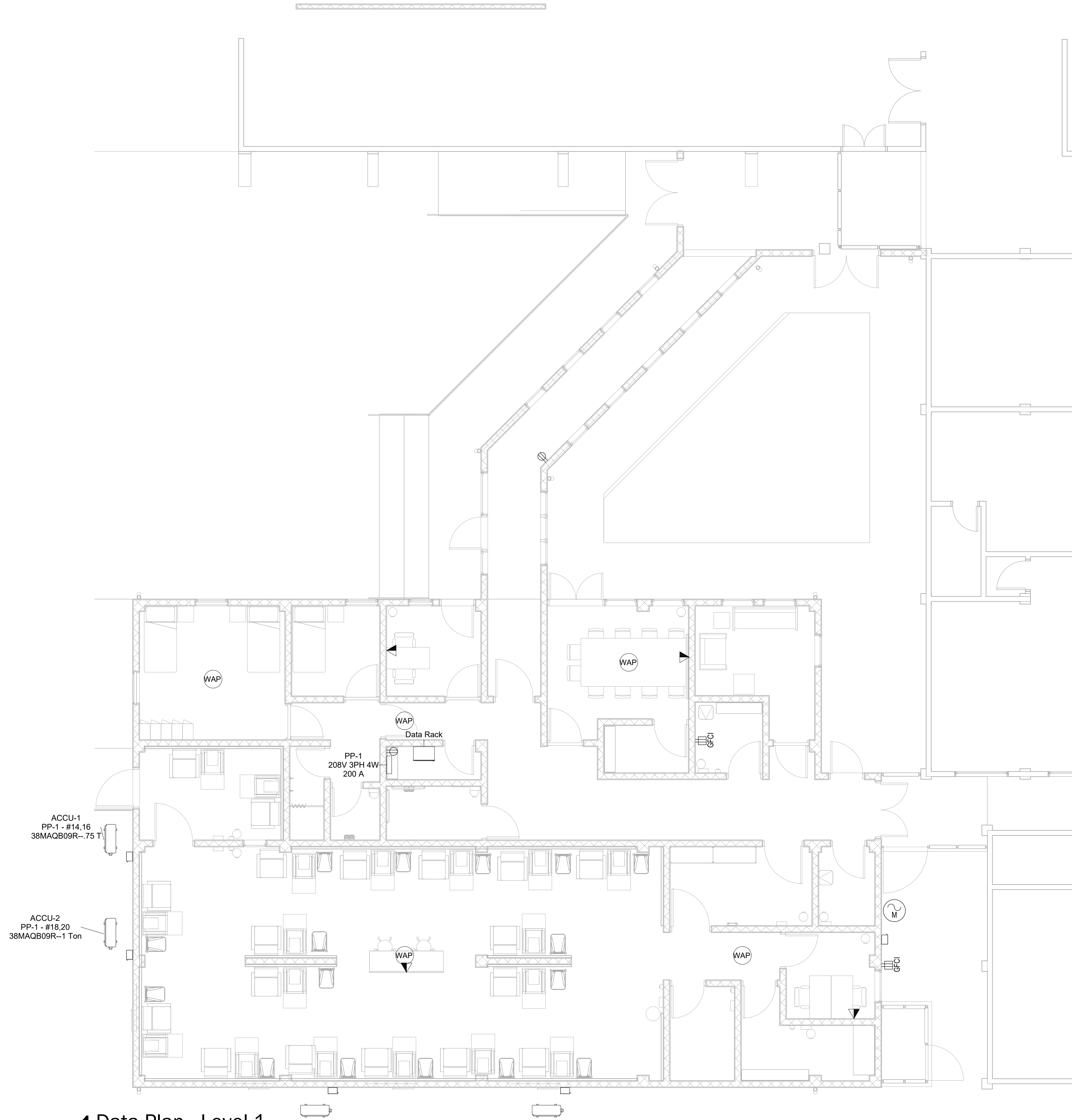
Key	Wire Type	Raceway	Hot Wires	Neutral Value	Ground Value
1	THWN	Non-Magnetic	H 3-#3	N 1-#3	G 1-#8
2	XHHW	Non-Magnetic	H 3-#250	N 1-#250	G 1-#6
3	XHHW	Non-Magnetic	H 3-#350	N 1-#350	G 1-#4

1 One Line Diagram and Panel Schedules
SCALE 1" = 1'-0"

2 Riser Diagram
SCALE 1 : 50

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1 Data Plan - Level 1
SCALE 3/16" = 1'-0"

KEY PLAN

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**TELECOMMUNICATION
LEVEL 1 FLOOR PLAN**

DRAWING TITLE

SCALE 3/16" = 1'-0" DATE MM/DD/YYYY

JOB NUMBER 64-001

DRAWN Author CHECKED Checker

Current Package

E400

DRAWING NUMBER

GENERAL NOTES

APPLICABLE TO ALL HVAC DRAWINGS

1. ALL WORK AND MATERIALS SHALL CONFORM TO DRAWINGS AND SPECIFICATIONS.
2. NO SUBSTATIONS SHALL BE PERMITTED WITHOUT THE ADVANCE WRITTEN APPROVAL OF THE ENGINEER.
3. HVAC CONTRACTOR SHALL CLEAN ALL NEW DUCTWORK AND APPURTENANCES INSTALLED. ALL EXISTING DUCTWORK TO BE CLEANED WITHIN 10'-0" OF POINT OF CONNECTION UPSTREAM AND DOWNSTREAM. WHERE DEBRIS WITHIN THE DUCTWORK IS DISTURBED ALL SUCH DEBRIS SHALL BE REMOVED. INTERNALLY LINED DUCTWORK SHALL HAVE ITS LINER REPLACED UPSTREAM AND DOWNSTREAM FOR 10'-0" WITHIN EXISTING TO REMAIN. THIS WORK IS TYPICAL FOR ALL SUPPLY, RETURN, EXHAUST, MAKEUP AND RELIEF AIR DUCTWORK.
4. THE DUCTWORK AND PIPING SYSTEMS SHOWN ON THE DRAWINGS ARE SHOWN DIAGRAMMATICALLY WITHOUT EVERY OFFSET AND TRANSITION REQUIRED TO INSTALL THE WORK. OBVIOUS OFFSETS AND TRANSITIONS, AS RELATED TO HVAC, ARE SHOWN WHERE POSSIBLE WITHOUT AFFECTING THE CLARITY OF THE DRAWINGS.
5. THE HVAC CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR THE CEILING HEIGHTS WHICH SHALL BE MAINTAINED.
6. THE HVAC CONTRACTOR SHALL INVESTIGATE AVAILABLE SPACE FOR ALL DUCT AND EQUIPMENT IN CEILINGS BEFORE SUBMISSION OF SHOP DRAWINGS.
7. HVAC CONTRACTOR SHALL COORDINATE ALL DIFFUSER, REGISTER AND GRILLE LOCATIONS WITH REFLECTED CEILING PLANS, ANY RELOCATION DUE TO FIELD CONDITIONS SHALL BE APPROVED BY THE ARCHITECT AND/OR ENGINEER.
8. ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH THE INDIVIDUAL COUNTRY CODES AND REGULATIONS AND 2021 INTERNATIONAL MECHANICAL CODE. IN THE CASE OF CONFLICT, THE MORE STRINGENT CODE WILL BE USED.
9. ADEQUATE SITE ACCESS PANELS SHALL BE FURNISHED AND INSTALLED FOR ALL EQUIPMENT REQUIRING SERVICE, MAINTENANCE AND REPLACEMENT FOR THE BALANCING OF VALVES AND FOR THE OPERATION OF HVAC SYSTEMS IN COORDINATION WITH THE GENERAL CONTRACTOR, AS PER THE SPECIFICATIONS.
10. ALL EQUIPMENT DRAIN POINTS SHALL BE PIPED TO THE NEAREST FLOOR DRAIN, UNLESS NOTED OTHERWISE.
11. ALL DUCTWORK SHALL BE IN ACCORDANCE WITH SMACNA LOW PRESSURE STANDARDS AND IN ACCORDANCE WITH NFPA. ALL LONGITUDINAL AND TRANSVERSE DUCT JOINTS SHALL BE SEALED WITH MASTIC. THE HVAC CONTRACTOR SHALL PERFORM A SMOKE TEST IF REQUESTED BY THE ENGINEER, AT NO ADDITIONAL COST. ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK SHALL BE GALVANIZED SHEET METAL UNLESS OTHERWISE INDICATED.
12. DUCT SIZES INDICATED ON THE DRAWINGS ARE TO BE NET FREE AREA. ALL DUCTWORK SHALL BE CONSTRUCTED, INSTALLED AND SEALED (CLASS A), PER THE LATEST SMACNA REQUIREMENTS.
13. HVAC CONTRACTOR SHALL SEAL THE DUCTWORK AND/OR PIPING PENETRATIONS THROUGH ALL MASONRY WALLS WITH APPROVED FIRE STOP MATERIAL.
14. ALL PIPING AND DUCTWORK SHALL BE RUN ABOVE THE CEILINGS UNLESS NOTED OTHERWISE.
15. ALL THERMOSTATS TO BE MOUNTED ABOVE LIGHT SWITCHES ON SAME CENTERLINE, 4'-0" ABOVE FINISHED FLOOR WHERE APPLICABLE, OR OTHERWISE NOTED.
16. ALL HVAC CONTROLS SHALL BE THE RESPONSIBILITY OF THE HVAC CONTRACTOR. THE ELECTRICAL CONTRACTOR SHALL BRING THE FEEDER AND POWER CONNECTION TO A DISCONNECT OR JUNCTION BOX FOR ALL EQUIPMENT.
17. HVAC CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTION OF ALL INSTALLED FINISHES INCLUDING BUT NOT LIMITED TO THE ROOF, FLOORING, WALLS, AND MEDICAL EQUIPMENT AND FURNITURE.
18. ALL MATERIALS INSTALLED IN THIS WORK SHALL BE NEW UNLESS SPECIFICALLY NOTED FOR RE-USE. PERIOD OF ONE (1) YEAR FROM DATE OF FINAL ACCEPTANCE BY THE OWNER, UNLESS SUCH DEFECTS ARE CLEARLY THE RESULT OF MISUSE OF EQUIPMENT BY PERSONS NOT UNDER THE CONTROL OF THE CONTRACTOR.
19. THE HVAC CONTRACTOR SHALL PROVIDE ALL TEMPORARY PIPING, DUCTWORK, INSULATION, EQUIPMENT AND FANS AS PART OF PHASING REQUIRED FOR INSTALLATION OF NEW WORK. MAINTAIN CONTROLS, HEATING, VENTILATION AND/OR AIR CONDITIONING TO EXISTING AREAS. PROVISION FOR APPROPRIATE PROTECTION OF THESE TEMPORARY SYSTEMS IS ALSO REQUIRED.
20. ALL WORK PERFORMED SHALL BE GUARANTEED FREE FROM DEFECTS IN WORKMANSHIP AND MATERIALS FOR A MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS. THE CONTRACTOR SHALL DEMONSTRATE TO THE OWNER THAT THE INSTALLED EQUIPMENT OPERATES AS DESIGNED.
21. THE HVAC CONTRACTOR SHALL OBTAIN INSTALLATION INSTRUCTIONS ON EACH PIECE OF EQUIPMENT TO BE FURNISHED WHICH THE HVAC CONTRACTOR IS REQUIRED TO INSTALL OR TO WHICH FINAL CONNECTIONS ARE TO BE MADE UNDER THE HVAC CONTRACT. THE HVAC CONTRACTOR SHALL INSTALL AND MAKE FINAL CONNECTIONS PER THE
22. ALL WORK UNDER THIS SECTION SHALL BE COORDINATED WITH ALL OTHER TRADES BEFORE INSTALLATION IS MADE. COORDINATION DRAWINGS ARE MANDATORY.
23. COORDINATE ALL REQUIREMENTS FOR MOTORS, STARTERS, DISCONNECTS, SMOKE DAMPERS AND SMOKE DETECTORS WITH THE ELECTRICAL CONTRACTOR FOR ALL EQUIPMENT REQUIRING SAME.
24. ALL EQUIPMENT TO BE INSTALLED EXPOSED IN FINISHED AREAS (REGISTERS, GRILLES, DIFFUSERS, ETC.) SHALL BE LOCATED AS INDICATED ON THE ARCHITECTURAL DRAWINGS. FINAL LOCATIONS SHALL BE AS SELECTED BY THE ARCHITECT UNLESS OTHERWISE NOTED.
25. ALL EQUIPMENT TO BE INSTALLED EXPOSED IN FINISHED AREAS (REGISTERS, GRILLES, DIFFUSERS, ETC.) SHALL HAVE COLORS SELECTED BY THE ARCHITECT UNLESS OTHERWISE NOTED.
26. ALL HVAC EQUIPMENT SHALL BE INSTALLED, COORDINATED WITH ALL TRADES, IN SUCH A WAY SO THAT LIGHTS, CONDUITS, SPRINKLERS, SUPPLY AND/OR DRAIN PIPING DO NOT BLOCK ACCESS TO UNITS AND RELATED
27. FOR LOCATION OF OPENINGS IN ROOF AND EXTERIOR WALLS, SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS. FINAL OPENING SIZES SHALL SUIT APPROVED SHOP DRAWINGS. ACCESSORIES.
28. THE HVAC CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES FOR ADDITIONAL INFORMATION AND REQUIREMENTS SUPPLEMENTAL TO THESE DOCUMENTS AND SPECIFICATIONS.
29. THE HVAC CONTRACTOR SHALL FIELD VERIFY ALL EXISTING SYSTEMS TO WHICH NEW CONNECTIONS ARE TO BE MADE.
30. THE HVAC SUBCONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING HIS BID SO THAT ALL AREAS WHERE REMOVAL WORK IS SHOWN OR NOTED ON THE DRAWINGS CAN BE INSPECTED. NO EXTRAS WILL BE ACCEPTED FOR ANY REMOVAL WORK AFTER SUBMITTING BID
31. THE HVAC CONTRACTOR SHALL FIELD VERIFY EXISTING DUCT AND PIPE SIZES PRIOR TO FABRICATING OR INSTALLING MADE.
32. ALL MANUAL AND MAGNETIC STARTERS SHALL BE FURNISHED BY THE HVAC SUBCONTRACTOR AND WIRED AND INSTALLED BY THE ELECTRICAL SUBCONTRACTOR.
33. THE HVAC CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF MOVING EQUIPMENT (NEW & REMOVAL WORK) THROUGH THE BUILDING. THIS INCLUDES, BUT IS NOT LIMITED TO DISASSEMBLY & REASSEMBLY OF MOTORS, FANS, PUMPS, CABINETS, COILS, COMPRESSORS, ETC. THE REMOVAL.
34. ANY SYSTEM SHUTDOWNS REQUIRED SHALL BE SCHEDULED WITH OWNER. MINIMUM OF 72 HOURS NOTICE PRIOR TO REQUESTED SHUTDOWN.
35. HVAC CONTRACTOR SHALL PATCH, CAP AND SEAL ALL EXISTING DUCTWORK WHICH HAS BEEN RELOCATED, REMOVED TO SOME POINT OR MODIFIED IN ANY WAY. REINSULATE TO MATCH NEW, INCLUDING CAP.
36. WHERE RADIUS ELBOWS CANNOT BE USED SQUARE ELBOWS WITH TURNING VANES SHALL BE SUBSTITUTED.
37. CAP ALL EXISTING OPEN ENDED PIPING TO REMAIN.
38. HVAC CONTRACTOR SHALL BE RESPONSIBLE FOR BALANCING AND ADJUSTMENT OF ALL DAMPERS, FANS, AND OTHER DEVICES THAT EFFECT AIR FLOW AND TEMPERATURE.
39. PROVIDE VOLUME DAMPERS IN BRANCH DUCTS SERVING EACH SUPPLY DIFFUSER AS SHOWN.
40. PROVIDE 6" FLEXIBLE CONNECTIONS AT EACH DUCTED AIR HANDLING INLET AND OUTLET CONNECTION. ALL EQUIPMENT TO BE PROVIDED WITH VIBRATION ISOLATORS.
41. IT IS INTENDED THAT THE DRAWINGS SHALL SHOW THE MAJOR COMPONENTS REQUIRED FOR THE PROPER OPERATION OF THE SYSTEM SHOWN. ANY COMPONENTS OMITTED THROUGH OVERSIGHT FROM THE CONTRACT DOCUMENTS, BUT REQUIRED FOR PROPER OPERATION OF THE SYSTEMS, SHALL BE INTERPRETED AS BEING INCLUDED AS PART OF THE BASE CONTRACT. THE SUBCONTRACTOR SHALL NOTIFY THE GENERAL CONTRACTOR/ENGINEER OF ANY SUCH OMISSIONS AND SHALL BE REQUIRED TO FURNISH, WITHOUT ADDITIONAL EXPENSE, ALL MATERIAL AND LABOR NECESSARY OF HIS TRADE TO COMPLETE THE SYSTEMS IN ACCORDANCE WITH THE BEST STANDARD PRACTICE.
42. FLEXIBLE DUCTWORK SHALL NOT EXCEED 6'-0" IN LENGTH AND SHALL BE ACOUSTICAL TYPE.
43. THE FIRST 10 FEET OF ALL SUPPLY AND RETURN DUCTS CONNECTED TO A DUCTED UNIT AND ALL TRANSFER DUCTS SHALL BE LINED WITH 1" THICK FIBERGLASS ACOUSTICAL DUCT LINER. SIZES INDICATED ON PLAN ARE INSIDE DIMENSIONS, INCREASE DUCT SIZES ACCORDINGLY. DUCT LINER TO ACHIEVE NRC 0.70 OR GREATER.
44. ALL SUPPLY & RETURN DUCTWORK NOT LINED SHALL BE EXTERNALLY INSULATED WITH 1 1/2" THICK FSK WITH VAPOR BARRIER JACKET. INSULATION SHALL HAVE A MAXIMUM FLAME SPREAD OF 25.
45. ALL CONDENSATE DRAIN PIPING SHALL BE PVC & SHALL RUN FULL SIZE OF UNIT CONNECTION (MIN 3/4") TO EXTERIOR.
46. THE HVAC CONTRACTOR SHALL MAINTAIN AT THE JOB AT ALL TIMES, A COMPLETE AND SEPARATE SET OF BLACK LINE PRINT OF THE HVAC DRAWINGS WHICH HE/SHE SHALL MARK CLEARLY, NEATLY, AND ACCURATELY THE PROGRESS OF HIS/HER WORK. REPRODUCIBLE "AS BUILTS" SHALL BE FURNISHED TO THE OWNER WHEN THE JOB IS COMPLETED AND BEFORE FINAL PAYMENT. MARKUPS SHALL BE TRANSFERRED TO A COMPUTERIZED AUTOCAD FILE BY HIS/HER DRAFT.



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MECHANICAL GENERAL NOTES

DRAWING TITLE

SCALE 12" = 1'-0" DATE MM/DD/YYYY

JOB NUMBER 64-001

DRAWN Author CHECKED Checker

Current Package

M001

DRAWING NUMBER

ABBREVIATIONS	
ABOVE FINISHED FLOOR	AFF
ACCESS DOOR	AHU
AIR PRESSURE DROP	APD
AIR SEPARATOR	AS
AUTOMATIC CONTROL DAMPER	ACD
AUTOMATIC TEMPERATURE CONTROL	ATC
BRAKE HORSEPOWER	BHP
BRITISH THERMAL UNITS PER HOUR	BTU/HR
BUILDING MANAGEMENT SYSTEM	BMS
CLEAN-OUT	CO
COOLING COIL	CC
CONSTRUCTION MANAGER	CM
CUBIC FEET PER MINUTE	CFM
DIFFERENTIAL PRESSURE	DP
DIFFERENTIAL PRESSURE SENSOR	DPS
DRY-BULB TEMPERATURE	DB
EFFICIENCY	EFF
ELECTRICAL CONTRACTOR	EC
ENTERING AIR TEMPERATURE	EAT
ENTERING WATER TEMPERATURE	EWT
EXHAUST AIR	EA
EXHAUST AIR DEVICE	E
FIRE DAMPER	FD
FIRE/SMOKE DAMPER	FSD
GALLONS PER MINUTE	GPM
GENERAL CONTRACTOR	GC
HEAT EXCHANGER	HX
HEATING, VENTILATION & AIR CONDITIONING	HVAC
HORSEPOWER	HP
HUMIDIFIER	H
LEAVING AIR TEMPERATURE	LAT
LEAVING WATER TEMPERATURE	LWT
MAXIMUM	MAX
MINIMUM	MIN
MOTORIZED DAMPER	MD
1,000 BTU/HR	MBH
NOMINAL	NOM
NORMALLY CLOSED	NC
NORMALLY OPEN	NO
NOT APPLICABLE	N/A
NOT IN CONTRACT	NIC
NOT TO SCALE	NTS
OPEN-ENDED DUCT	OED
OPPOSED BLADE DAMPER	OBD
OUTSIDE AIR	OA
PLUMBING CONTRACTOR OR PUMPED CONDENSATE	PC
POUNDS PER HOUR	LBS/HR
PRESSURE DROP	PD
RELATIVE HUMIDITY	RH
RETURN AIR	RA
RETURN AIR DEVICE	R
REVOLUTIONS PER MINUTE	RPM
SPECIFICATION	SPEC
STATIC PRESSURE	SP
STATIC PRESSURE CONTROLLER	SPC
SUPPLY AIR DEVICE	S
SUPPLY FAN	SF
TERMINAL BOX	TB
TESTING, ADJUSTING & BALANCING	TSP
TOTAL STATIC PRESSURE	TDSP
VOLUME DAMPER	VD
WET-BULB TEMPERATURE	WB
WIRE MESH SCREEN	WMS

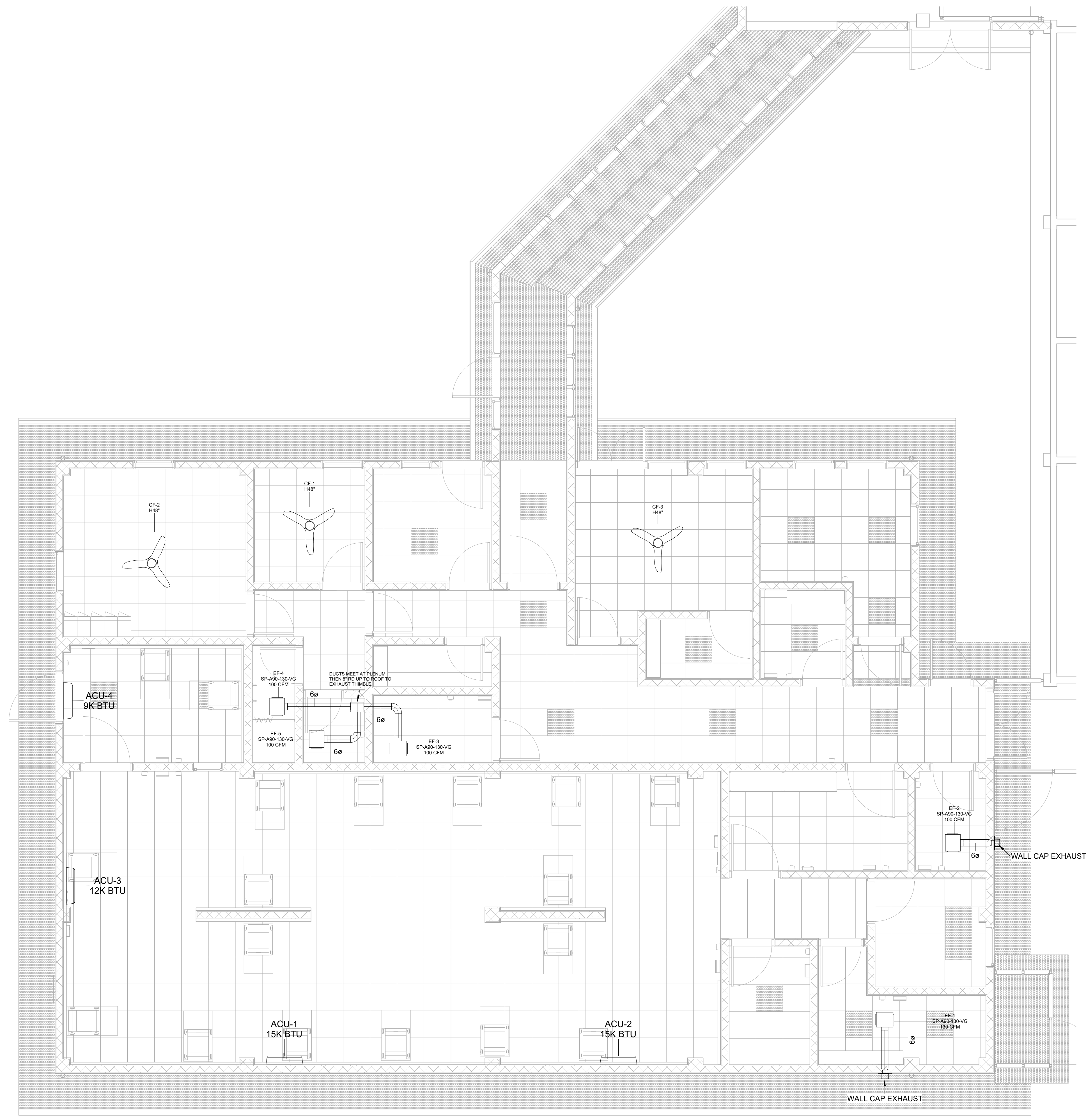
GENERAL	
	CONNECT TO EXISTING
	THERMOSTAT - MOUNT 48" AFF
	SUPPLY ARROW
	EXHAUST/RETURN ARROW
	DOOR UNDERCUT
	ACCESS DOOR
	TERMINAL BOX WITH REHEAT COIL
	TERMINAL BOX WITHOUT REHEAT COIL
	PLAN MARK
	EQUIPMENT DESIGNATION
	SECTION DESIGNATION
	HVAC DUCTWORK RISER DESIGNATION

EQUIPMENT	
	AC SPLIT UNIT
	CONDENSOR UNIT
	ROOF TOP EXHAUST FAN
	ROOF TOP UNIT
	3 TON CARRIER W/ HIGH STATIC FAN
	CANARM 56" CEILING FAN 110W #CP56
	CANARM 48" CEILING FAN 86W #CP48
	CANARM 36" CEILING FAN 75W #CP36
MECHANICAL EQUIPMENT SUBSCRIPT DESCRIPTION	
	INDICATES CIRCUIT NUMBER
	INDICATES PANEL WHERE CIRCUIT ORIGINATES
	REFERS TO SCHEDULE

PIPING	
	EXISTING PIPING TO REMAIN
	EXISTING PIPING TO BE REMOVED
	DIRECTION OF FLOW
	PITCH DOWN IN DIRECTION OF ARROW
	GRAPHIC BREAK &/OR CONTINUATION
	DRAIN
	HOT WATER SUPPLY
	HOT WATER RETURN
	NON-POTABLE COLD WATER

VALVES & PIPING SPECIALTIES	
	GATE VALVE
	GLOBE VALVE
	HORIZONTAL CHECK VALVE
	2-WAY CONTROL VALVE
	BALANCING VALVE PRESSURE DEPENDENT
	BALL VALVE W/ MEMORY STOP
	"Y" STRAINER WITH DRAIN VALVE AND THREADED PLUG
	FLANGES
	UNION
	CLEANOUT
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER (FLAT ON BOTTOM)
	ECCENTRIC REDUCER (FLAT ON TOP)
	FLEXIBLE CONNECTION
	CAPPED PIPE
	SIDE CONNECTION
	BOTTOM CONNECTION 45° OR 90°
	TOP CONNECTION 45° OR 90°
	PIPE DROP
	PIPE TURN TOWARDS
	END CAP
	PETE'S PLUG 110XL 3" LONG
	THERMOMETER WELL
	GRADUATED THERMOMETER
	PRESSURE GAUGE (WATER)
	AUTOMATIC AIR ELIMINATOR
	MANUAL AIRVENT WITH PETCOCK TOP
	FLOW METER W/ VALVES

SHEETMETAL	
	EXISTING DUCTWORK TO REMAIN
	EXISTING DUCTWORK AND/OR EQUIP. TO BE REMOVED
	DUCT REMOVED AND OPENING CAP OFF AIR TIGHT
	SUPPLY AIR DUCT TURN TOWARD (UP)
	SUPPLY AIR DUCT TURN AWAY (DOWN)
	RETURN/EXHAUST AIR DUCT TURN TOWARD (UP)
	RETURN/EXHAUST DUCT TURN AWAY (DOWN)
	ROUND DUCT TURN TOWARD (UP)
	ROUND DUCT TURN AWAY (DOWN)
	DUCT OFFSET UP OR DOWN (ARROW INDICATES DIRECTION OF FLOW)
	SUPPLY DIFFUSER
	RETURN REGISTER OR EXHAUST GRILLE
	GRAPHIC BREAK &/OR CONTINUATION (RECTANGULAR)
	GRAPHIC BREAK &/OR CONTINUATION (ROUND)
	VOLUME DAMPER
	FIRE DAMPER (WITH ACCESS DOOR)
	SMOKE DAMPER (WITH ACCESS DOOR)
	COMBINATION FIRE/SMOKE DAMPER (WITH ACCESS DOOR)
	BRANCH TAKE-OFF 45° ANGLE (MANDATORY)
	DUCT MOUNTED SMOKE DETECTOR FURNISHED BY HVAC AND INSTALLED BY EC
	FLEXIBLE CONNECTION
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER
	RECTANGULAR TO ROUND TRANSITION
	HORIZONTAL OFFSET
	FULL RADIUS ELBOW
	RADIUS ELBOW WITH SPLITTER VANES



1 HVAC Ceiling Plan - Level 1
SCALE 1/4" = 1'-0"

4/11/2023 11:20:06 AM

NO.	DATE	DESCRIPTION

KEY PLAN

HOPE HEALTH ACTION

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PROJECT

**MECHANICAL LEVEL 1
FLOOR PLAN**

DRAWING TITLE

SCALE 1/4" = 1'-0" DATE MM/DD/YYYY

JOB NUMBER 64-001

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Current Package

M101

DRAWING NUMBER



100 Cummings Center, Suite 120B
 Beverly, MA 01915
 Phone: (978) 969-0920
 buildhealthinternational.org

VRF INDOOR UNIT								
MARK	MANUFACTURER	MODEL	EQUIPMENT TYPE	V/Ph/Hz	AIR FLOW	COOLING LOAD	GAS PIPE DIA	LIQUID PIPE DIA
ACU-1	Carrier Corporation	40MAQB09B-3	High Wall Mount	208/1/60	680 CFM	18000 Btu/h	1/2"	1/4"
ACU-2	Carrier Corporation	40MAQB09B-3	High Wall Mount	208/1/60	680 CFM	18000 Btu/h	1/2"	1/4"
ACU-3	Carrier Corporation	40MAQB09B-3	High Wall Mount	208/1/60	380 CFM	12000 Btu/h	1/2"	1/4"
ACU-4	Carrier Corporation	40MAQB09B-3	High Wall Mount	208/1/60	380 CFM	9000 Btu/h	3/8"	1/4"

VRF OUTDOOR UNIT SCHEDULE							
MARK	MANUFACTURER	MODEL	EQUIPMENT TYPE	V/Ph/Hz	COOLING CAPACITY	Panel	Circuit Number
ACCU-1	Carrier	38MAQB09R--75 T	Outdoor Condenser	208/1/60	9000 Btu/h	PP-1	14,16
ACCU-2	Carrier	38MAQB09R-1 Ton	Outdoor Condenser	208/1/60	12000 Btu/h	PP-1	18,20
ACCU-3	Carrier	38MAQB09R-1.5 Ton	Outdoor Condenser	208/1/60	18000 Btu/h	PP-1	22,24
ACCU-4	Carrier	38MAQB09R-1.5 Ton	Outdoor Condenser	208/1/60	18000 Btu/h	PP-1	26,28

FAN SCHEDULE								
MARK	MANUFACTURER	MODEL	AIR FLOW	FAN RPM	OUTLET SONES	TOTAL EXTERNAL SP	APPARENT LOAD	ACCESSORIES
EF-1	Greenheck	SP-A90-130-VG	130 CFM	1040 RPM	0.0	0.25 in-wg	12 VA	6" Wall Cap & Sensor
EF-2	Greenheck	SP-A90-130-VG	100 CFM	960 RPM	2.0	0.46 in-wg	12 VA	6" Wall Cap & Sensor
EF-3	Greenheck	SP-A90-130-VG	100 CFM	960 RPM	2.0	0.46 in-wg	12 VA	Occ Sensor
EF-4	Greenheck	SP-A90-130-VG	100 CFM	960 RPM	2.0	0.46 in-wg	12 VA	Occ Sensor
EF-5	Greenheck	SP-A90-130-VG	100 CFM	960 RPM	2.0	0.46 in-wg	12 VA	

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MECHANICAL SCHEDULES

DRAWING TITLE

SCALE _____ DATE MM/DD/YYYY

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PROJECT

MEDGAS PLAN

DRAWING TITLE

SCALE 1 : 40 DATE 01/10/23

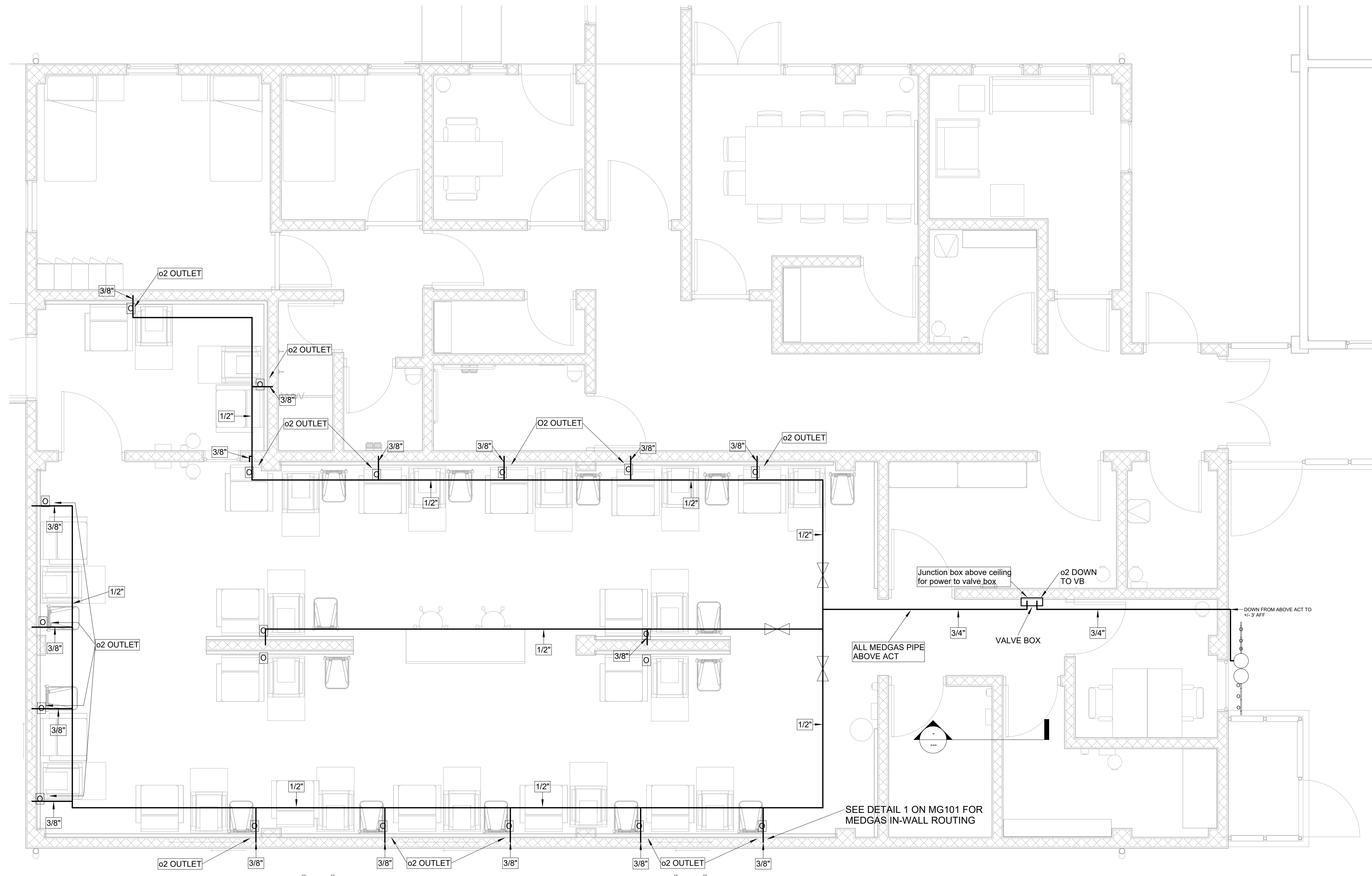
JOB NUMBER 64-001

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Current Package

MG100

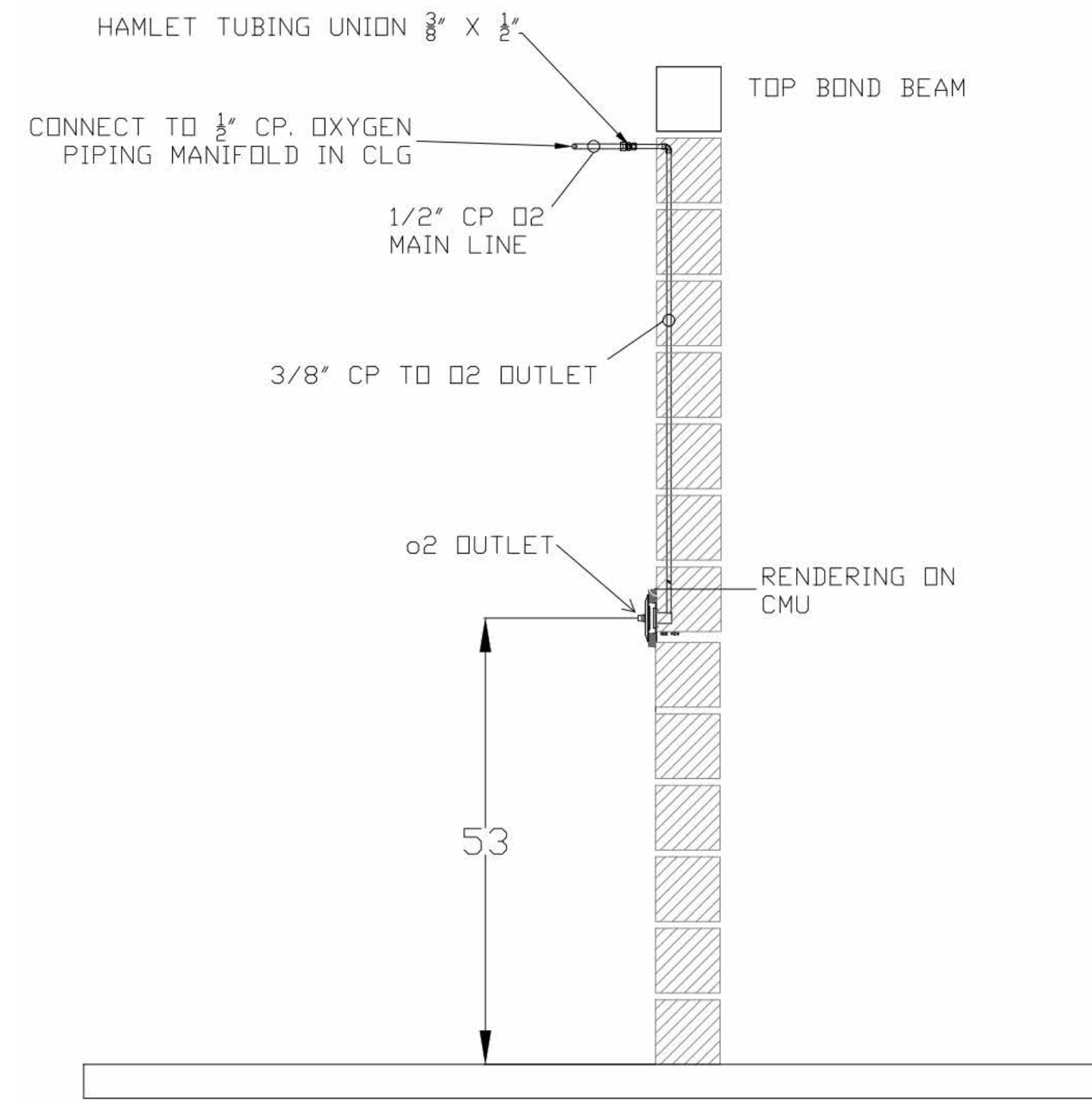
DRAWING NUMBER



1 Medical Gas Plan - Level 1
SCALE 1 : 40

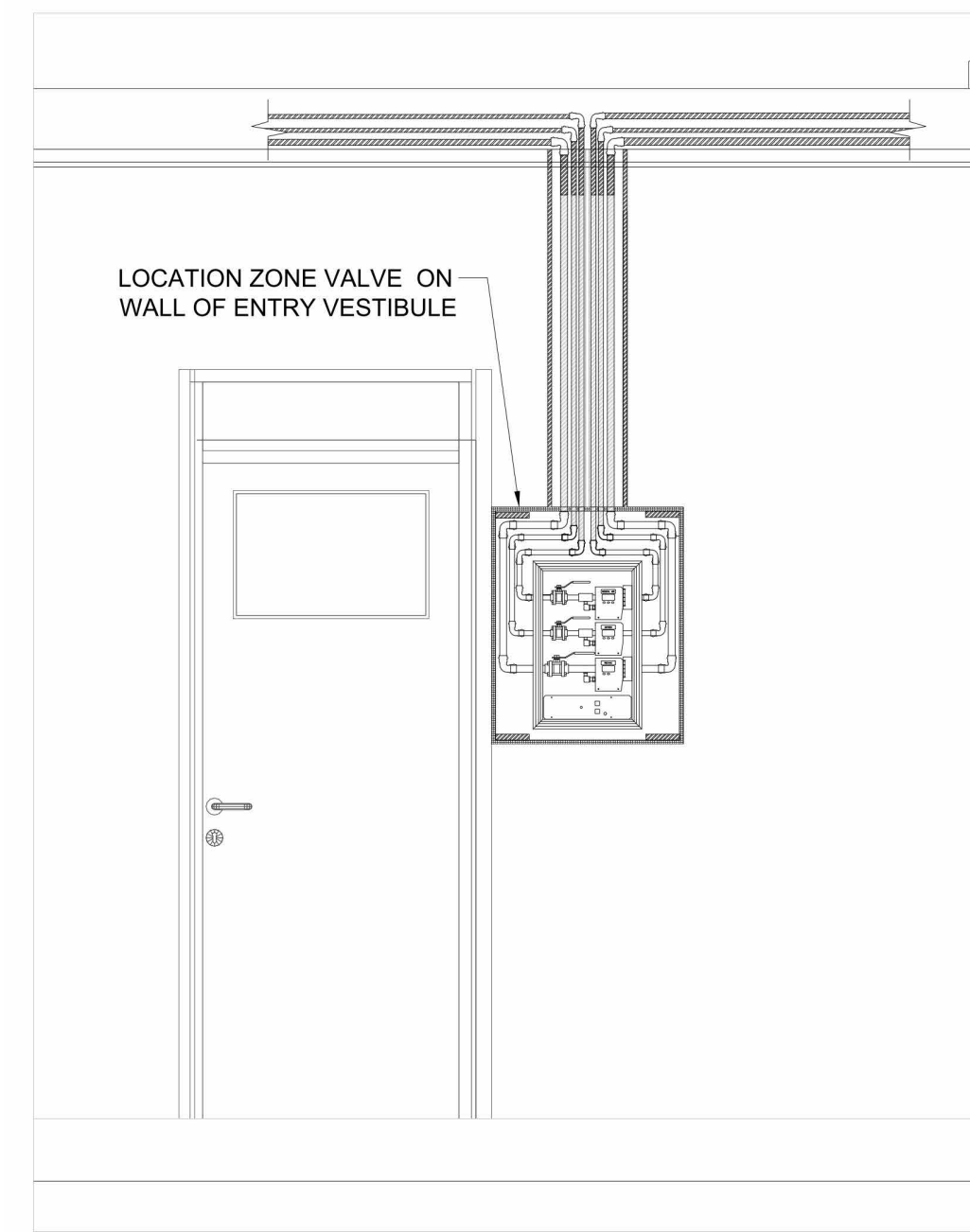
1

MEDGAS IN-WALL ROUTING DETAIL



2

ZONE VALVE BOX DETAIL



100 Cummings Center, Suite 120B
 Beverly, MA 01915
 Phone: (978) 969-0920
 buildhealthinternational.org

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MEDGAS DETAILS

DRAWING TITLE

SCALE DATE 01/10/23

JOB NUMBER 64-001

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MG101

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 Autodesk Docs://6401HHA-NICU-MEDGAS-001_HHA-NICU-MG101_MP_2023.rvt
 HHA NICU

GENERAL NOTES

- COMPLETE LAYOUT DRAWINGS SHALL BE REQUIRED BY PARAGRAPH. SUBMITTALS. CONSTRUCTION WORK SHALL NOT START ON ANY SYSTEM UNTIL THE LAYOUT DRAWINGS HAVE BEEN APPROVED.
- ALL WORK SHALL BE IN ACCORDANCE WITH THE BUILDING AND PLUMBING CODES AS WELL AS LOCAL AUTHORITIES HAVING JURISDICTION.
- THE PLUMBING CONTRACTOR SHALL BE REQUIRED TO OBTAIN AND CARRY THE COST ASSOCIATED WITH THE PERMIT PROCESS AND RELATED, CITY REQUIRED INSPECTIONS.
- REFER TO ARCHITECTURAL DRAWINGS AND ELEVATIONS FOR FINAL LOCATIONS OF ALL NEW PLUMBING FIXTURES ASSOCIATED TRIM.
- REFER TO THE ARCHITECTURAL DRAWINGS FOR THE CEILING HEIGHTS WHICH SHALL BE MAINTAINED.
- THE PIPING SYSTEMS SHOWN ON THE DRAWINGS ARE SHOWN DIAGRAMMATICALLY WITHOUT EVERY OFFSET AND TRANSITION REQUIRED TO INSTALL THE WORK. OBVIOUS OFFSETS AND TRANSITIONS, AS RELATED TO PLUMBING ARE SHOWN WHERE POSSIBLE WITHOUT AFFECTING THE CLARITY OF THE DRAWINGS.
- ALL MATERIALS INSTALLED IN THIS SCOPE OF WORK SHALL BE NEW UNLESS SPECIFICALLY NOTED FOR RE-USE.

GENERAL

	EXISTING PIPING TO BE REMOVED
	HEAVY LINE INDICATES NEW WORK
	LIGHT LINE INDICATES EXISTING WORK
	PIPING INTERRUPTED OR TO BE CONTINUED
	CAP OR END OF PIPE
	CONNECT TO EXISTING
DETAIL # 1 DRAWING # P7.1	DETAIL DESIGNATION TAG
	DIRECTION OF SLOPE
	ELBOW DOWN OR DROP
	ELBOW UP OR RISE
	FLOW IN DIRECTION OF ARROW
	HANDICAPPED ACCESSIBLE
	TEE LOOKING DOWN
	TEE LOOKING UP

WATER

	CW	COLD WATER
	HW	HOT WATER
	HWR	HOT WATER RETURN
	NP-	NON POTABLE COLD WATER
	NPH-	NON POTABLE HOT WATER
	TP	TRAP PRIMER

ABBREVIATIONS

AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
AP	ACCESS PANEL
AC	ABOVE CEILING
AD	ACCESS DOOR
ARCH	ARCHITECT
BT	BATH TUB FIXTURE IDENTIFICATION
BPW	BED PAN WASHER FIXTURE IDENTIFICATION
BLDG	BUILDING
CI	CAST IRON
CFM	CUBIC FEET PER MINUTE
CLNG	CEILING
CLDI	CEMENT LINED DUCTILE IRON
CP	CHROME PLATED
DIA	DIAMETER
DWG	DRAWING
EL	ELEVATION
FFE	FINISH FLOOR ELEVATION
FLR	FLOOR
FT	FOOT
FRS	FLUSHING RIM SERVICE SINK
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GPM	GALLONS PER MINUTE
HB	HOSE BIBB
HVAC	HEAT, VENTILATION & AIR CONDITIONING
ID	INSIDE DIAMETER
INV	INVERT
L	LAVATORY FIXTURE IDENTIFICATION
MAX	MAXIMUM
MIN	MINIMUM
MSB	MOP SERVICE BASIN FIXTURE IDENTIFICATION
N/A	NOT APPLICABLE
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NTS	NOT TO SCALE
NIC	NOT IN CONTRACT
OD	OUTSIDE DIAMETER
PC	PLUMBING CONTRACTOR
POS	PROVIDED UNDER OTHER SECTION
SS	SERVICE SINK FIXTURE IDENTIFICATION
SH	SHOWER FIXTURE IDENTIFICATION
SK	SINK FIXTURE IDENTIFICATION
SPEC	SPECIFICATION
ST. ST.	STAINLESS STEEL
SF	SQUARE FEET
TYP	TYPICAL
UR	URINAL FIXTURE IDENTIFICATION
WC	WATER CLOSET FIXTURE IDENTIFICATION

NEW WORK NOTES

- ALL PIPING TO BE INSTALLED STRAIGHT AND TRUE IN RELATION TO EACH OTHER. PROPER CLEARANCES AND ACCESS TO BALL VALVES TO BE MAINTAINED.
- A MINIMUM OF 1/8" PER FOOT SHALL BE MAINTAINED ON ALL WASTE PIPING 4" AND LARGER, AND 1/4" PER FOOT FOR 3" AND SMALLER.
- PLUMBING PIPING AND EQUIPMENT SHALL NOT BE SUPPORTED FROM OTHER TRADES. PLUMBING PIPING CAN BE RACKED TOGETHER BUT SHOULD BE INDEPENDENT FROM OTHER TRADES.
- PLUMBING CONTRACTOR SHALL SEAL PIPING PENETRATIONS THROUGH FIRE AND SMOKE RATED PARTITIONS WITH APPROVED FIRE STOP MATERIAL.
- ALL WORK IN THIS SECTION SHALL BE COORDINATED WITH ALL OTHER TRADES PRIOR TO BEGINNING INSTALLATION.
- ALL COMPONENTS THAT COULD COME IN CONTACT WITH POTABLE DRINKING WATER, INCLUDING BUT NOT LIMITED TO: FAUCETS, VALVES, FITTINGS, ETC., SHALL BE LEAD-FREE, AS REQUIRED UNDER NSF 61.
- ALL NEW PIPING SHALL RUN ABOVE CEILINGS AND BEHIND FINISHED SURFACES UNLESS OTHERWISE NOTED.
- THE PLUMBING CONTRACTOR SHALL OBTAIN INSTALLATION INSTRUCTION ON EACH PIECE OF EQUIPMENT TO BE FURNISHED WHICH THE CONTRACTOR IS REQUIRED TO INSTALL OR TO WHICH FINAL CONNECTIONS ARE TO BE MADE UNDER THE PLUMBING CONTRACT. THE PLUMBING CONTRACTOR SHALL INSTALL AND MAKE FINAL CONNECTIONS PER THE MANUFACTURER'S INSTRUCTION AND RECOMMENDATIONS. THE CONTRACTOR SHALL DEMONSTRATE TO THE OWNER THAT THE INSTALLED EQUIPMENT OPERATES AS DESIGNED.
- COORDINATE ALL MOTORS, STARTERS, AND DISCONNECTS WITH ELECTRICAL CONTRACTOR PRIOR TO PURCHASE AND INSTALLATION.
- ALL PLUMBING PIPING AND EQUIPMENT SHALL BE INSTALLED, COORDINATED WITH ALL TRADES, IN SUCH A WAY SO THAT LIGHTS, CONDUITS, SPRINKLERS, SUPPLY AND/OR DRAIN PIPING AND HVAC EQUIPMENT AND ACCESS PANELS ARE NOT OBSTRUCTED.
- ALL FIXTURES TO BE INSTALLED WITH BALL VALVES ON THE WATER SUPPLY FOR ISOLATION OF FIXTURE OR FIXTURE GROUP DEPENDING ON APPROACH SHOWN ON DRAWINGS.

DRAINAGE

	SAN	SANITARY DRAIN
	SAN	SANITARY BURIED
	V	SANITARY VENT
	V	SANITARY VENT BURIED
	W	SOIL / SANITARY WASTE
	W	SOIL / SANITARY WASTE BURIED
	AD	AREA DRAIN
	CO	CLEANOUT
	FCO	FLOOR CLEANOUT
	FD	FLOOR DRAIN
	GCO	GROUND CLEANOUT
	OD	OVERFLOW DRAIN / SECONDARY ROOF DRAIN
	P-TRAP	P-TRAP
	WCO	WALL CLEANOUT

VALVES & ACCESSORIES

	BALANCING VALVE
	BALL VALVE
	CHECK VALVE
	GATE VALVE
	GATE VALVE NORMALLY CLOSED
	PRV PRESSURE REDUCING / REGULATING VALVE
	RPBP REDUCED PRESSURE BACKFLOW PREVENTER (2" OR LESS)
	VIV VALVE IN VERTICAL
	FM FLOW METER
	GH GROUND HYDRANT
	HB HOSE BIBB
	IN-LINE FILTER
	PIPE GUIDE / BEAM PENETRATION
	PG PRESSURE GAUGE
	STRAINER
	TG TEMPERATURE GAUGE
	TP TRAP PRIMER
	UNION
	VB VACUUM BREAKER
	WH WALL HYDRANT
	WHA WATER HAMMER ARRESTOR / SHOCK ABSORBER

HHA PLUMBING FIXTURE SCHEDULE				CONNECTIONS			
Tag #	FIXTURE TYPE	MANUFACTURER	MODEL	CW	HW	SAN	VENT
P-1	WATER CLOSET	AMERICAN STANDARD, CADET PRO, ELONGATED, 12" ROUGH	#3527C.101.020 WHT. PRO TANK 1.28 GPF #356354	1/2"	NA	4"	2"
	SEAT	CENTOCO ELONGATED PLATIC WHITE OPEN SEAT,	#500CC-001				
	WAX RING/JONI BOLTS	FLUIDMASTER REINFORCED EXTRA-THICK	#7514				
P-2	WALL HUNG LAVATORY	AMERICAN STANDARD LUCERNE WALL HUNG	LUCERNE 0356.421(1 HOLE)	1/2"	NA	1.5"	1.5"
	FAUCET	T & S BRASS SINGLE PANTRY FAUCET, DECK MOUNT	#B-0305				
	DRAIN	ZURN	816-PCH				
P-3	SHOWER W/2" FLOOR DRAIN	CUSTOM BUILT SHOWER BY OTHERS	N/A	1/2"	NA	1.5"	1.5"
	FLOOR DRAIN	AB & A ADJUSTIBLE ,ROUND GRATE, CHROME BRASS W/ CLAMP RING	#67027				
	SHOWER VALVE & EXPOSED PIPE	JALCO EXPOSED PIPE 90D SHOWER RAIL 7 DIVERTER	#EXP-90SD				
	WALL SPIGOT	T & S BRASS SILL FAUCET SELF CLOSING	#B-0706				
	SHOWER HEAD	AMERICAN STANDARD FLOWISE	#1660.711 Shower Head				
P-4	MOP SINK W/ 2" Floor Drain	CUSTOM BUILT TILE BASIN BY OTHERS		1/2"	NA	2"	1.5"
	FLOOR DRAIN-	AB & A ADJUSTIBLE , ROUND GRATE, CHROME BRASS W/ CLAMP RING	#67027				
	SPIGOT-	T & S BRASS, HOSE BIBB W/ WRIST LEVER, W/ VACUMN BREAKER	#b-0702-WH4				
P-5	STAINLESS STEEL WALL HUNG HAND SINK	ADVANCED TABCO SS WALL MOUNT SINK	#7-PS-71	1/2"	NA	1.5"	1.5"
	DRAINS (3) LEVER	DRAIN T&S B-3952 TWIST WASTE VALVE	#B-3952				
P-20	AREA FLOOR DRAIN	AB & A, HD CHROMED BRASS	#4850 B2	NA	NA	3"	1.5"
P-21	FLOOR SINK	ZURN CAST IRON FLOOR SINK, 1/2" GRATE 12" X 12", 6" DEEP	#FD2375-NH3-H	NA	NA	3"	1.5"
P-22	FLOOR CLEAN OUT	ZURN 4" SPIGOT X FIP, PVC C.O. W/ THREADED PLUG	#G71640	NA	NA	4"	NA
P-23	END CLEAN OUT	4" DWV PVC Cleanout Adapter and Plug	#(D112-040 / P105X-040)	NA	NA	4"	NA

KEY PLAN

HOPE HEALTH ACTION

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PLUMBING GENERAL NOTES & SYMBOLS

DRAWING TITLE

SCALE 12" = 1'-0" DATE MM/DD/YYYY

JOB NUMBER 64-001

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Current Package

P001

DRAWING NUMBER

4/11/2023 11:20:10 AM

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PROJECT

PLUMBING SANITARY WATER LEVEL 1

DRAWING TITLE

SCALE 1/4" = 1'-0"

DATE MM/DD/YYYY

JOB NUMBER 64-001

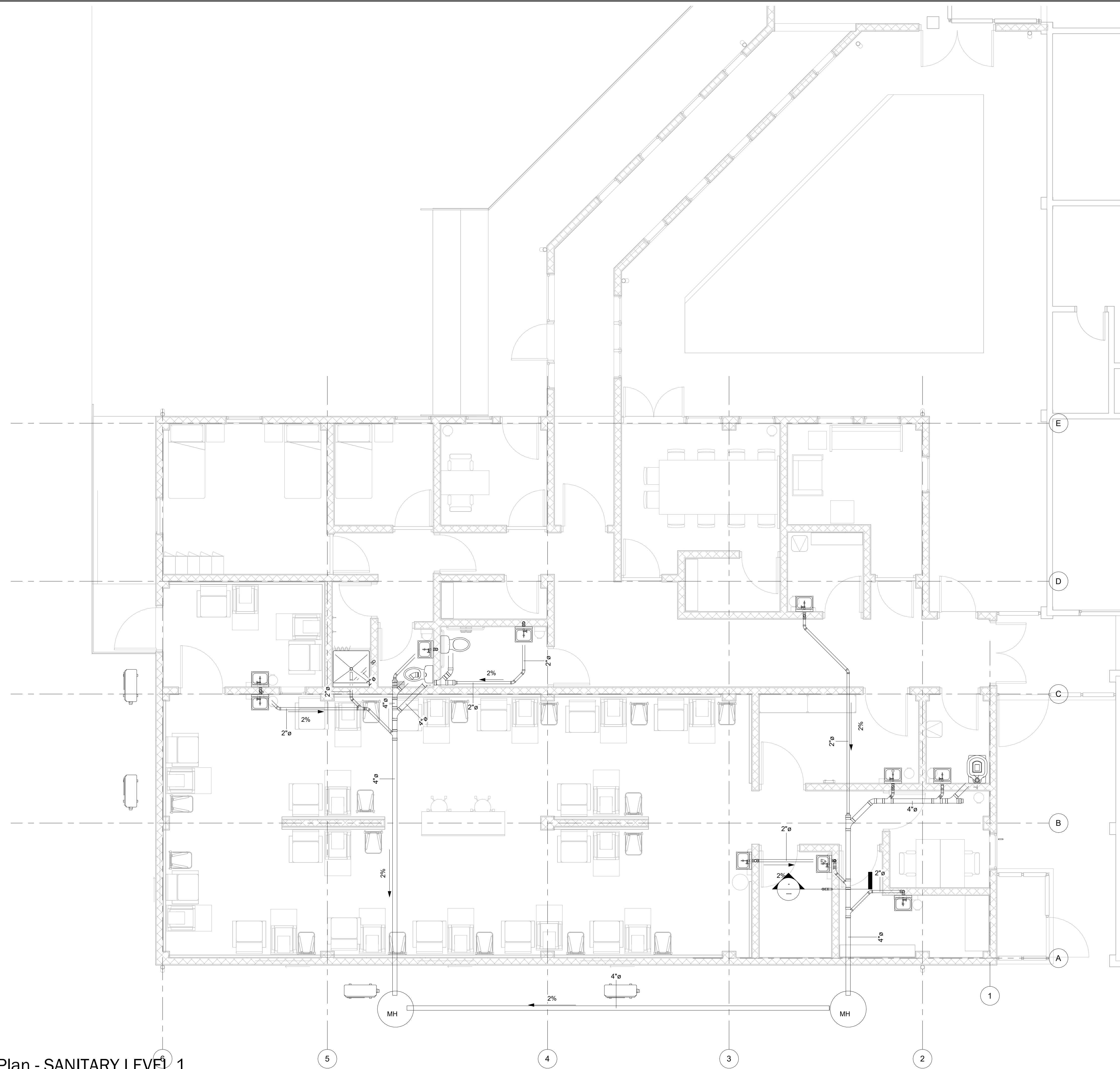
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P101

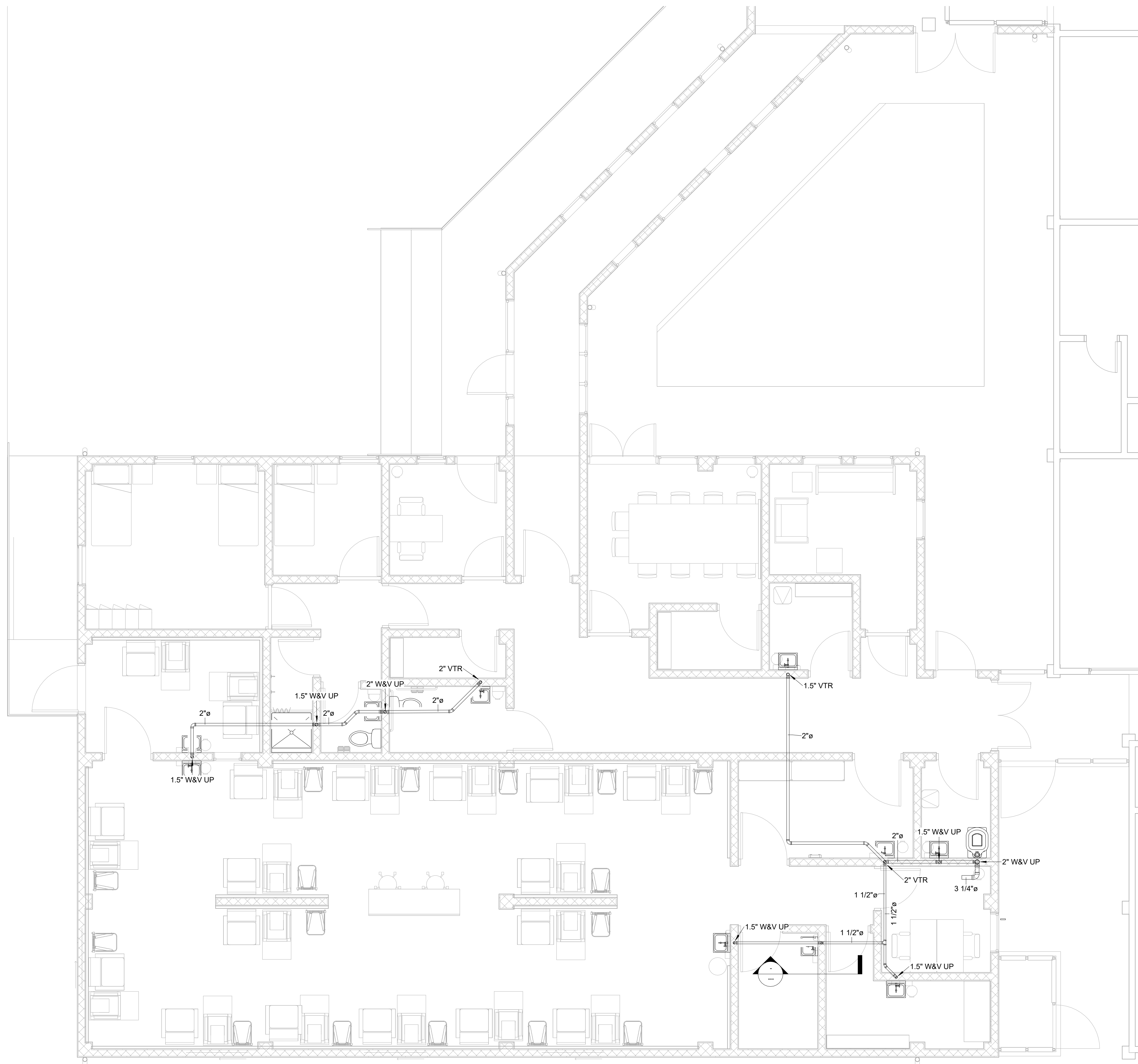
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1 Plumbing Plan - SANITARY LEVEL 1
SCALE 1/4" = 1'-0"

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NO. | DATE | DESCRIPTION



1 Plumbing Plan - SANITARY VENT LEVEL 1
SCALE 1/4" = 1'-0"

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SANITARY VENT PLAN

DRAWING TITLE

SCALE 1/4" = 1'-0" DATE 01/18/23

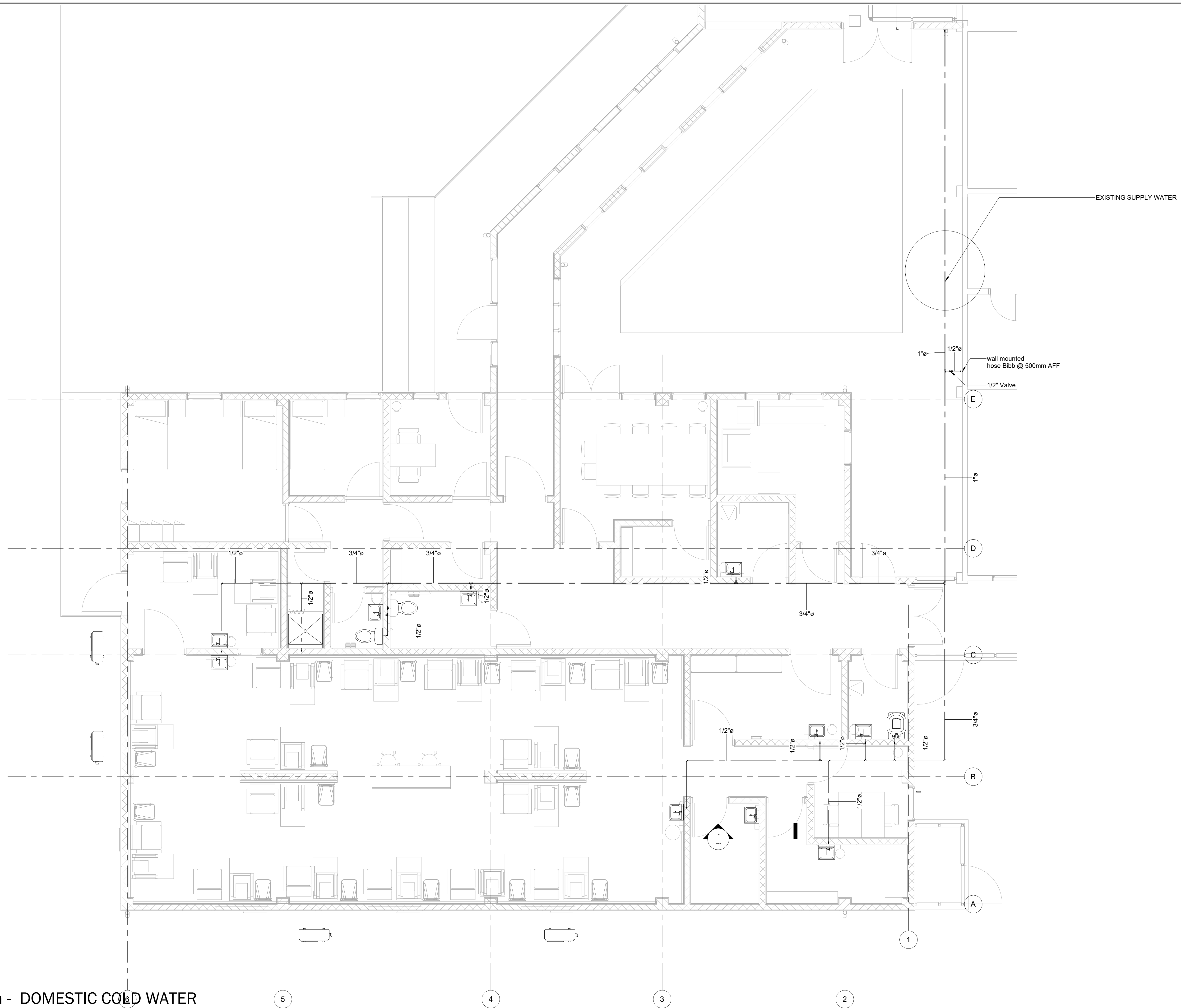
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P102

DRAWING NUMBER



1" 1/2" wall mounted hose Bibb @ 500mm AFF
1/2" Valve

EXISTING SUPPLY WATER

4/11/2023 11:20:13 AM

NO.	DATE	DESCRIPTION

KEY PLAN

HOPE HEALTH ACTION

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PROJECT

PLUMBING DOMESTIC COLD WATER LEVEL 1

DRAWING TITLE

SCALE 1/4" = 1'-0"	DATE 01/06/23
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JOB NUMBER 64-001

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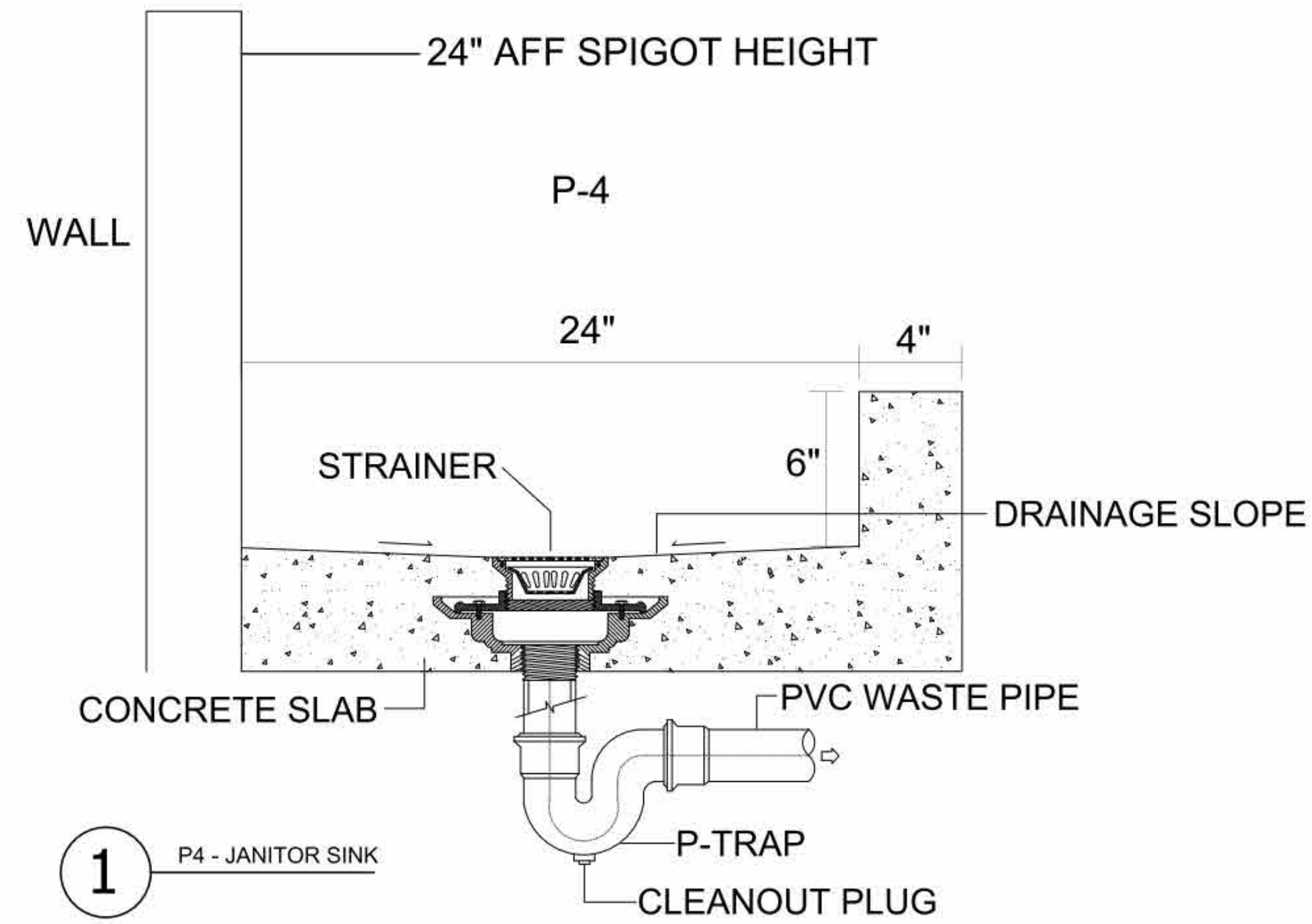
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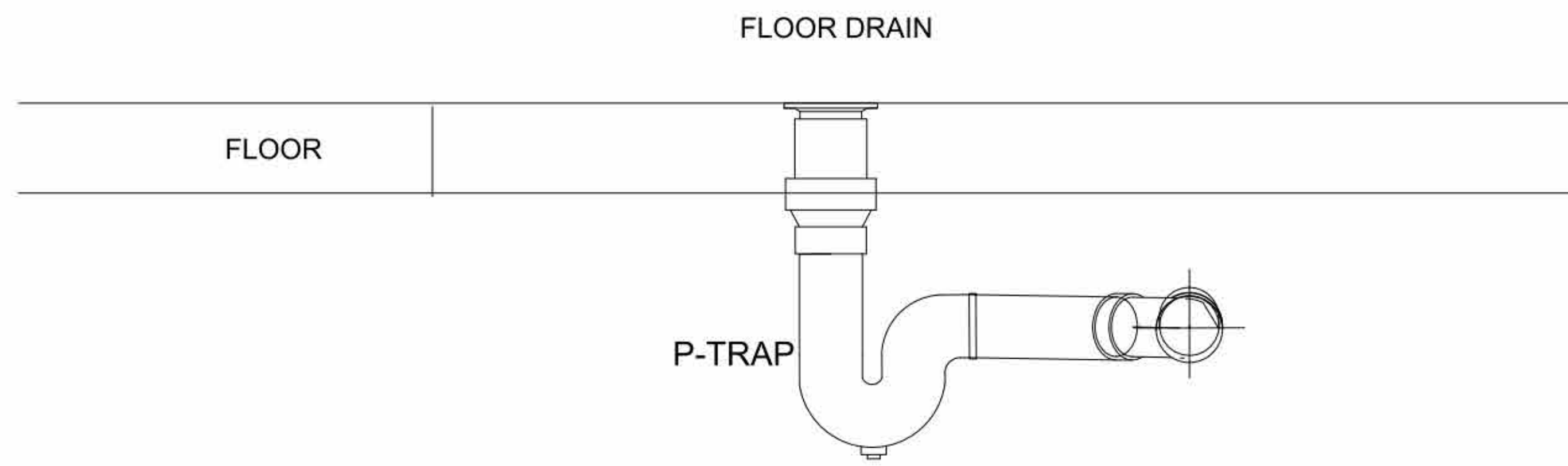
Plumbing Plan - DOMESTIC COLD WATER

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

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Andres.Diaz\401\HHA\6684\01_HHA\101_HHA\101_MEP_2023.rvt
HHA NICU



1 P4 - JANITOR SINK



2 P12 - ZURN FLOOR CLEANOUT

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NO.	DATE	DESCRIPTION

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PLUMBING DETAILS 1

DRAWING TITLE

SCALE _____ DATE MM/DD/YYYY

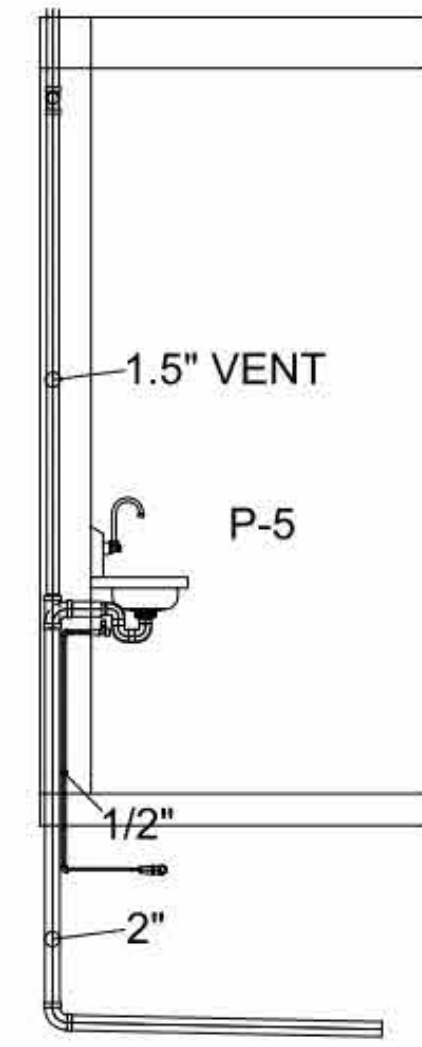
JOB NUMBER 64-001

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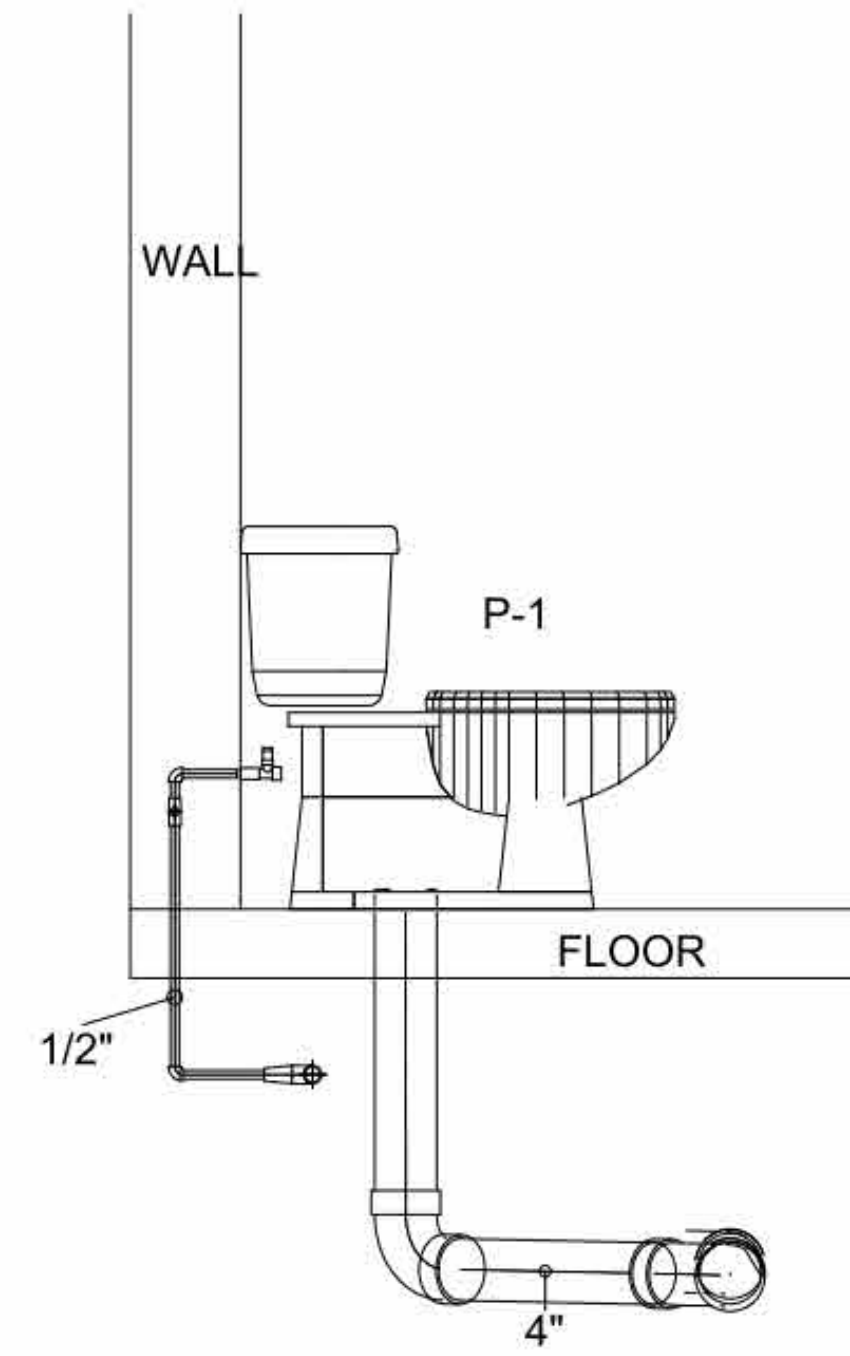
Current Package

P200

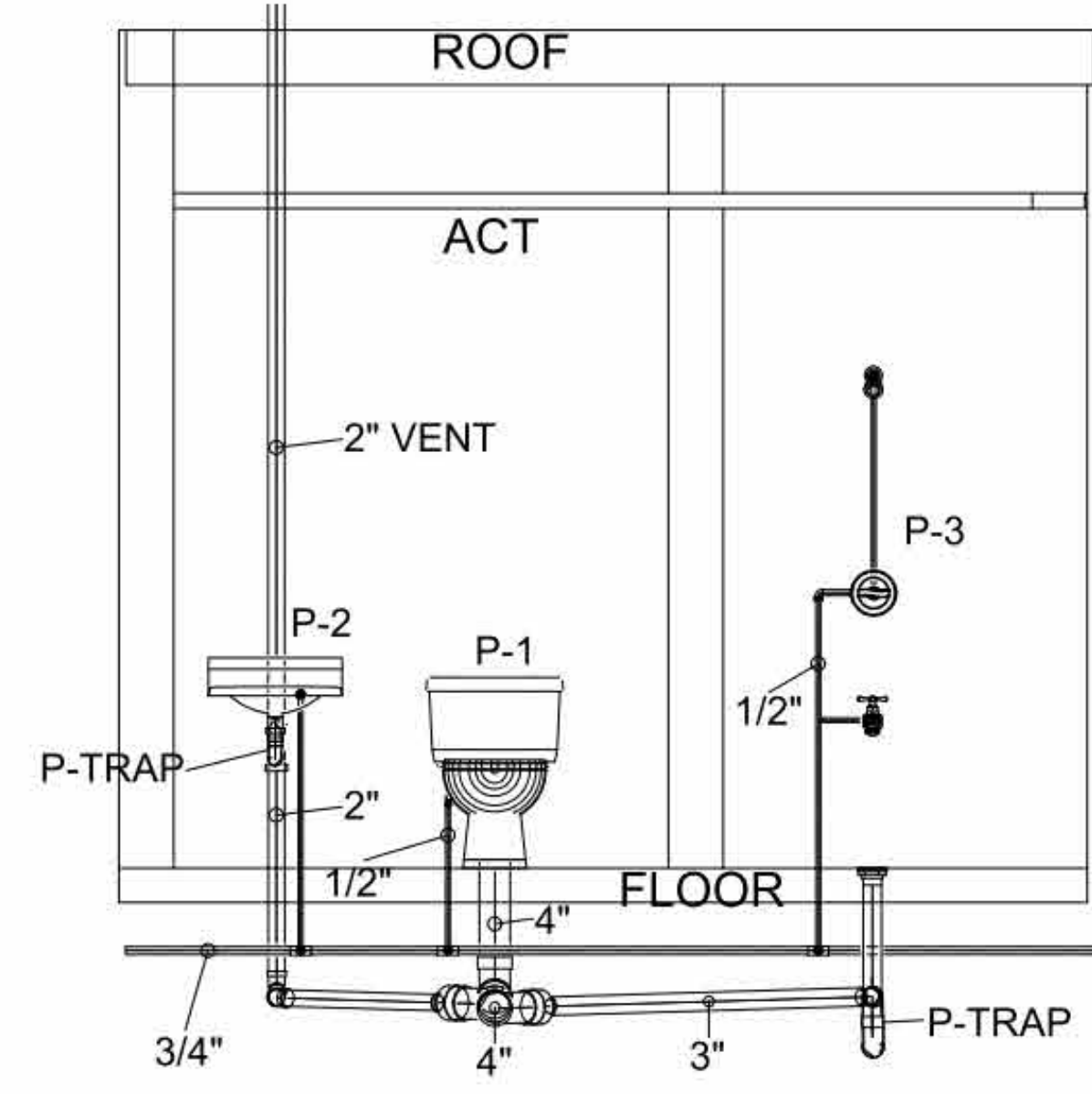
DRAWING NUMBER



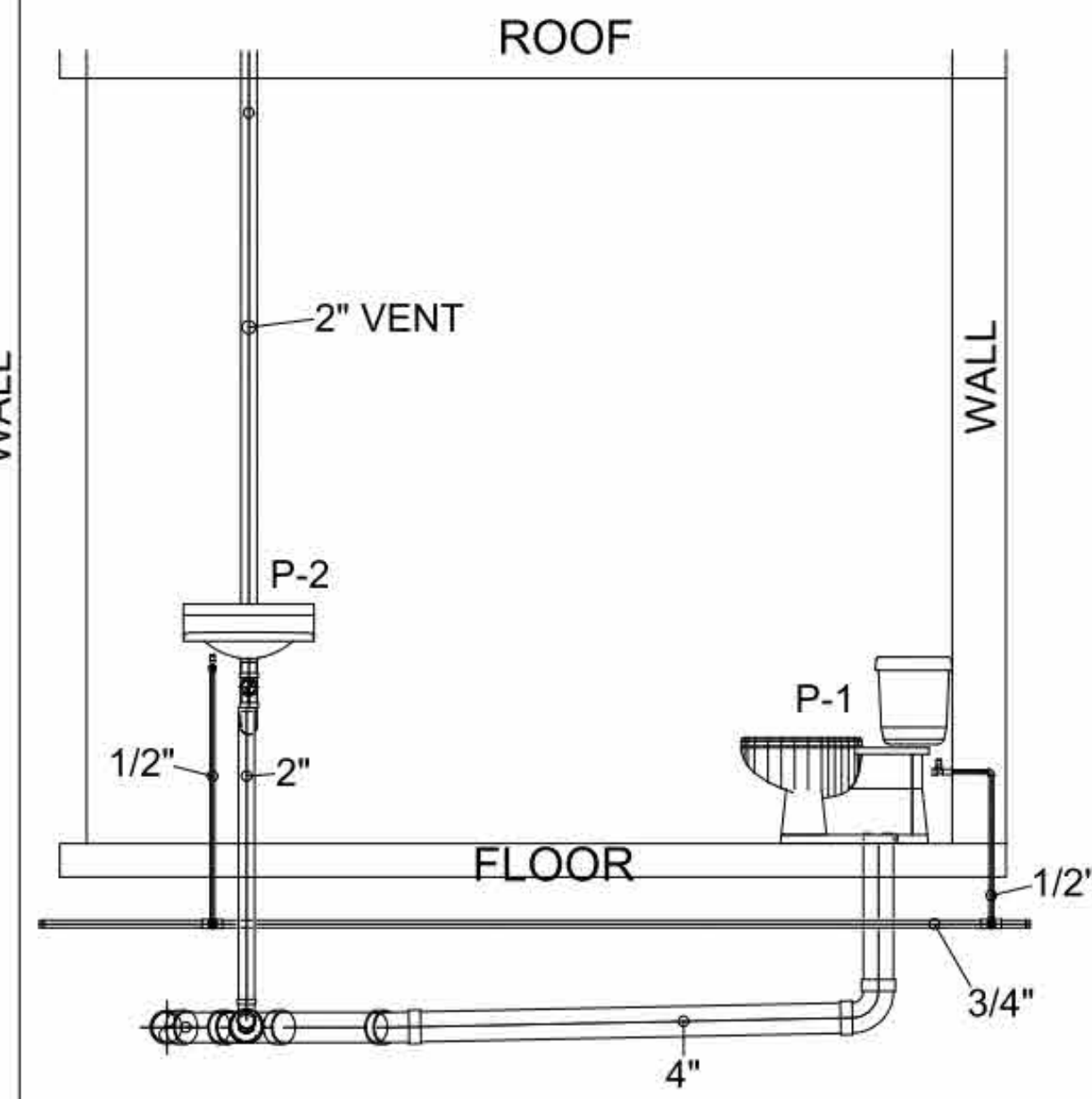
10 P5 - WALL HUNG SS SINK



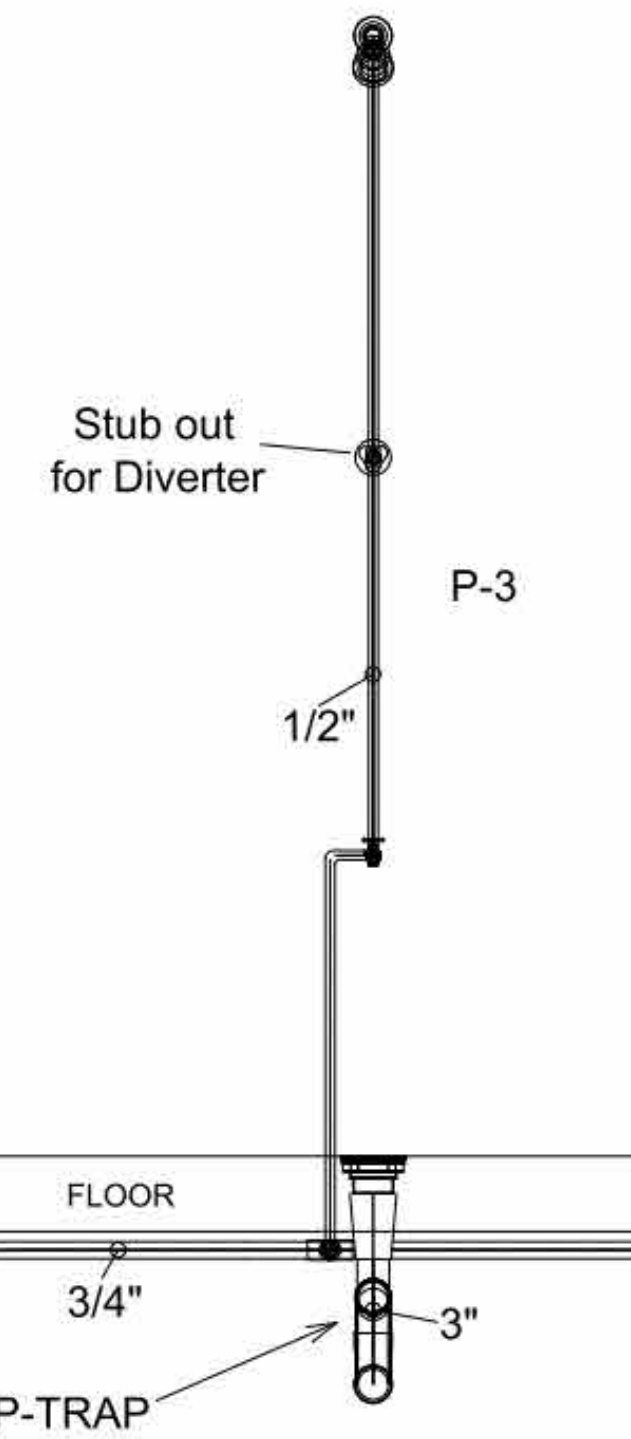
11 P1 - TOILET ROUGH IN



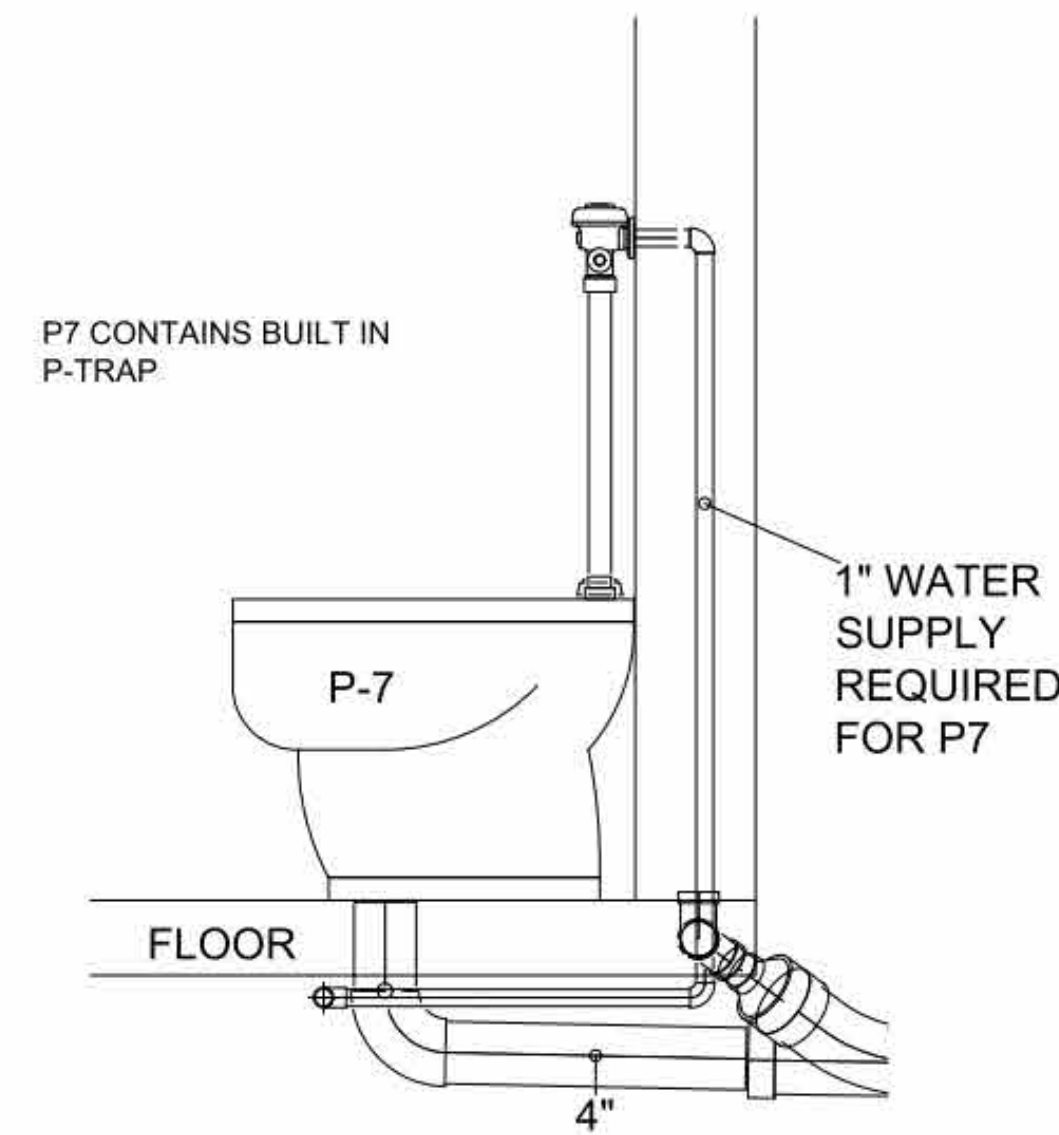
12 P1, P2, P3 - TOILET, LAV SINK, SHOWER



13 P1, P2, P3 - TOILET, LAV SINK, SHOWER



14 P1, P2 - TOILET, LAV SINK



15 P6 - SLUICE SINK

4/11/2023 11:20:14 AM

NO.	DATE	DESCRIPTION

KEY PLAN

HOPE HEALTH ACTION

OWNER

HHA NICU
ENTER ADDRESS HERE

PROJECT

PLUMBING DETAILS 2

DRAWING TITLE

SCALE DATE 01/12/23

JOB NUMBER 64-001

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Current Package

P201

DRAWING NUMBER