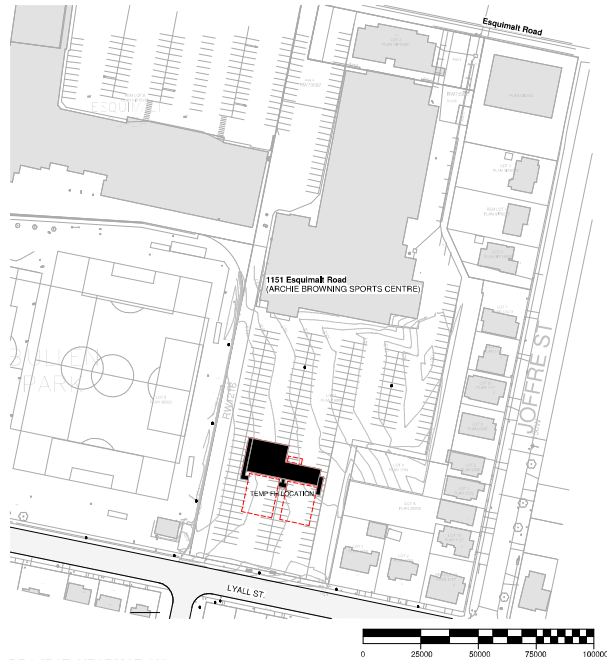


**EPSB: TEMPORARY FIRE HALL FACILITY
OFFICES / SUPPRESSION BUILDING**

ISSUED FOR BP / TENDER

June 28 2021

TEMPORARY VEHICLE SHELTER 1 & 2 SHOWN FOR INFORMATION ONLY (VEHICLE SHELTER BUILDING PERMIT APPLICATION TO FOLLOW UNDER SEPARATE SUBMISSION)



PROJECT INFORMATION:

CIVIC ADDRESS
1151 Esquimalt Road, Esquimalt, BC V9A 3N6

EXISTING ZONING: P-1

BUILDING CODE: BC Building Code 2018

SITE AREA: 16640.63 sm
Offices / Suppression 353.46 sm
Vehicle Shelter 1 223.88 sm
Vehicle Shelter 2 223.88 sm
PERCENTAGE OF LOT COVERED: 4.8%

CIVIC ADDRESS: 1151 Esquimalt Road
Esquimalt, BC V9A 3N6

LEGAL DESCRIPTION: LOT 1 PLAN 14686

OWNER:
Township of Esquimalt
1299 Esquimalt Rd
Victoria, BC V9A 3P1
T: 250.414.7100

PROJECT MANAGER:
Core Project Management
102-375 Lynn Avenue,
North Vancouver, BC V7J 2C4
T: 604.358.2774

CONSTRUCTION MANAGER:
Kinetic Construction
#201 - 662 Cloverdale Ave
Victoria BC V8X 2S8
T: 236 2371874

ARCHITECTURAL:
hcma Architecture + Design
205—26 Bastion Square
Victoria BC V8W 1H9
250.382.6650
victoria@hcma.ca

CIVIL:
J.E.Anderson & Associates
4212 Glanford Avenue
Victoria, BC V8Z 4B7
T: 250.727.2214

ELECTRICAL:
AES Engineering Ltd.
500 - 3795 Carey Road,
Victoria, BC V8Z 6T8
T: 250.361.6121
E: victoria@aesengr.com

MECHANICAL:
AME Group
721 Johnson St.
Victoria, BC V8W 1M8
T: 250.382.5999
F: 250.382.5998

STRUCTURAL:
Herold Engineering Ltd.
1051 Vancouver Street
Victoria, BC V8V 4T6
T: 250.590.4875

SHEET LIST:

ARCHITECTURAL

TA0.00 COVER SHEET
TA0.02 TYPICAL MOUNTING HEIGHTS
TA0.03 GENERAL NOTES, ASSEMBLIES AND SCHEDULES
TA1.00 TEMPORARY FIRE HALL SITE PLAN
TA2.00 OFFICES / SUPPRESSION - LEVEL 1 PLAN
TA2.01 OFFICES / SUPPRESSION - ROOF PLAN
TA2.02 VEHICLE SHELTERS PLAN
TA2.05 TEMPORARY FIRE HALL - REFLECTED CEILING PLAN
TA3.00 TEMPORARY FIRE HALL SECTIONS
TA3.01 TEMPORARY FIRE HALL SECTIONS
TA3.03 DETAILS
TA3.05 OFFICES / SUPPRESSION ELEVATIONS
TA3.06 OFFICES / SUPPRESSION ELEVATIONS
TA4.00 TEMPORARY FIRE HALL CANOPY DETAILS
TA5.01 OFFICES / SUPPRESSION MILLWORK

STRUCTURAL

TS1.01 - GENERAL NOTES
TS1.02 - GENERAL NOTES
TS1.03 - TYPICAL DETAILS
TS1.04 - SITE PLAN
TS2.00 - MODULAR BUILDING FOUNDATION PLAN
TS2.02 - MODULAR BUILDING FLOOR FRAMING PLAN
TS2.03 - MODULAR BUILDING ROOF FRAMING PLAN
TS3.00 - SECTIONS

ELECTRICAL

E1.01 - TEMP. FIRE HALL SITE PLAN
E1.1 - SCHEDULES AND DETAILS
E2.0 - LEVEL 1 ELECTRICAL LAYOUT
E3.0 - ELECTRICAL SPECIFICATIONS

CIVIL

C1 - TEMPORARY ESQUIMALT FIRE HALL SITE PLAN

MECHANICAL

TM0.01 - TEMP. FIRE HALL COVERSHEET AND SITE PLAN
TM0.02 - TEMP. FIRE HALL EQUIPMENT SCHEDULES
TM0.03 - TEMP. FIRE HALL MECHANICAL SPECIFICATIONS
TM2.01 - TEMP. FIRE HALL LEVEL 1 PLAN
TM4.01 - TEMP. FIRE HALL LEVEL 1 HVAC PLAN



As Built Drawings, June 29, 2022

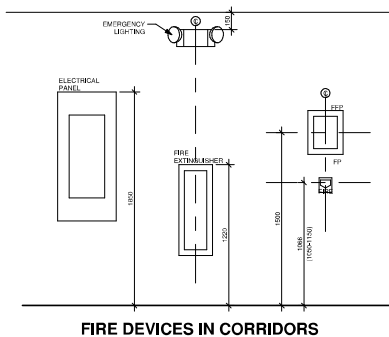
Project title:
EPSB - TEMPORARY
FACILITIES

Client:
Township of Esquimalt
Site address:
1151 ESQUIMALT ROAD, ESQUIMALT

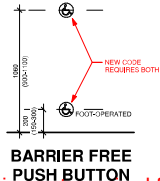
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COVER SHEET

Sheet number: TAO.00 **Revision number:** 1

TAO.00

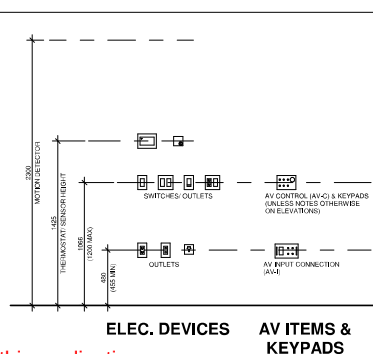


FIRE DEVICES IN CORRIDORS



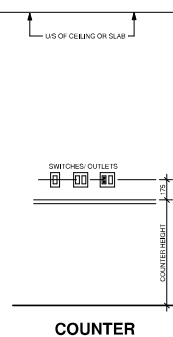
BARRIER FREE PUSH BUTTON

Foot Operation not required for this application.

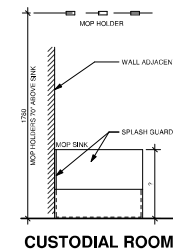


ELEC. DEVICES

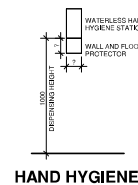
AV ITEMS & KEYPADS



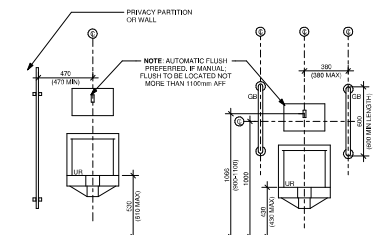
COUNTER



CUSTODIAL ROOM



HAND HYGIENE

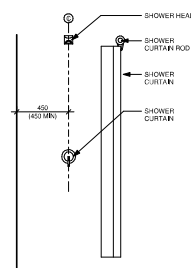


URINAL

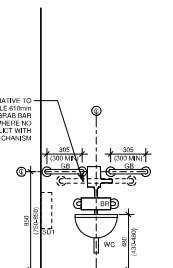
ACCESSIBLE URINAL



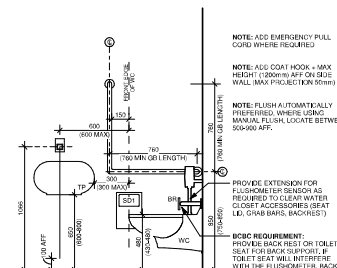
ACCESSIBLE SHOWER



SHOWER



ACCESSIBLE TOILETS



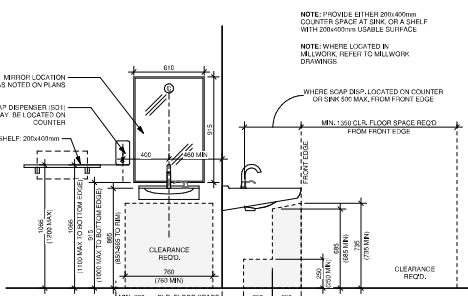
NOTE: ADD EMERGENCY PULL CORD WHERE REQUIRED

NOTE: ADD COAT HOOK - MAX HEIGHT (1300mm AFF ON GLASS WALL, MAX PROJECTOR 50mm)

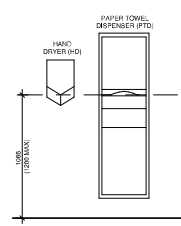
NOTE: FLUSH AUTOMATICALLY PREFERRED, WHEN USING MANUAL FLUSH, LOCATE BETWEEN 200-600 AFF

PROVIDE EXTENSION FOR FLUSHMETER SENSOR AS REQUIRED TO CLEAR WATER CLOSET ACCESSORIES (SEAT LID, GRAB BARS, BACKREST)

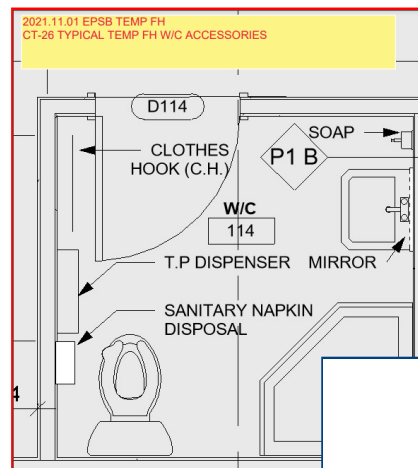
DOBC REQUIREMENT: PROVIDE BACK REST OR TOILET SEAT FOR BACK SUPPORT, IF TOILET SEAT WILL INTERFERE WITH THE FLUSHMETER, BACK REST SHALL BE USED.



ACCESSIBLE LAVATORY



HAND DRYERS/ PAPER TOWEL DISPENSERS



TYPICAL MOUNTING HEIGHT NOTES:

1. PROVIDE BLOCKING AS REQUIRED PER MANUFACTURER INSTRUCTIONS/RECOMMENDATIONS
2. WHERE FIXTURE/DEVICE/ACCESSORY IS LOCATED WITHIN MILLWORK, REFER TO MILLWORK DRAWINGS
3. IN CASE OF DISCREPANCY WITH ENGINEERING CONSULTANT DRAWINGS, NOTIFY THE ARCHITECT BEFORE PROCEEDING WITH WORK
4. HAND DIMENSIONS REPRESENT ROOM BEST PRACTICE, DIMENSIONS IN BRACKETS REPRESENT CODE REQUIREMENTS, DEFAULT TO ROOM PREFERRED LAYOUT

KINETIC

As Built Drawings, June 29, 2022

Project title:
EPSB - TEMPORARY FACILITIES

Client:
Township of Esquimalt

Site address:
1151 ESQUIMALT ROAD, ESQUIMALT

Sheet title:
TYPICAL MOUNTING HEIGHTS

Sheet number: PTA0.02

TA0.02

SYMBOLS LEGEND:

	10100	BUILDING LEVEL, ELEVATION - ELEVATION OPTIONS FOR PROJECT BASE POINT OR METERS ABOVE SEA LEVEL (MASL)
	12345	SPOT ELEVATION - DIMENSIONS FOR PROJECT BASE POINT OR METERS ABOVE SEA LEVEL (MASL)
	Ref	BUILDING SECTION REFERENCE WALL SECTION REFERENCE
	Ref	PLAN DETAIL/CALLOUT REFERENCE SECTION DETAIL REFERENCE
	Ref	ELEVATION TAG INTERIOR ELEVATION TAG
	ROOM 101 Area m2	ROOM NAME AND NUMBER OPTIONAL AREA
	Ref	WALL TAG - REFERENCE TO CONSTRUCTION ASSEMBLIES
	Ref	FLOOR TAG - REFERENCE TO CONSTRUCTION ASSEMBLIES
	Ref	ROOF TAG - REFERENCE TO CONSTRUCTION ASSEMBLIES
	Ref	DOOR TAG - REFERENCE TO DOOR SCHEDULE
	Ref	GLAZING TAG - REFERENCE TO GLAZING SCHEDULE
	Ref	CEILING TAG - REFERENCE TO CEILING SCHEDULE
	7	KEYNOTE TAG
	Ref	MATERIAL TAG
	Ref	MILLWORK TAG
	Ref	ACCESSORY TAG (WASHROOM, EQUIPMENT, ETC.) - REFERENCE TO EQUIPMENT SCHEDULE
	88	REVISION TAG - REFERENCE TO PROJECT REVISIONS
		THRESHOLD SYMBOL

ASSEMBLIES LEGEND

	W1	EXTERIOR WALL 22mm CORRUGATED METAL CLADDING 13mm P.T. VERTICAL STRAPPING @ 400 O.C. 13mm WOOD STUD WALL @ 400mm O.C. 14mm MINERAL WOOL INSULATION TO FILL CAVITY 16mm VAPOUR BARRIER 16mm GYPSUM WALL BOARD FINISH, PAINTED
	P1a	INTERIOR WOOD STUD PARTITION WALL 16mm GYPSUM WALL BOARD FINISH, PAINTED 14mm WOOD STUD WALL @ 400mm O.C. 16mm MINERAL WOOL INSULATION TO FILL CAVITY 16mm GYPSUM WALL BOARD FINISH, PAINTED
	P1b	INTERIOR WOOD STUD - 1HR FIRE PARTITION WALL 16mm GYPSUM WALL BOARD FINISH, PAINTED 14mm WOOD STUD WALL @ 400mm O.C. 16mm MINERAL WOOL INSULATION TO FILL CAVITY 16mm GYPSUM WALL BOARD FINISH, PAINTED
	P2	INTERIOR WOOD STUD PARTITION WALL 16mm GYPSUM WALL BOARD FINISH, PAINTED 14mm WOOD STUD WALL @ 400mm O.C. 16mm MINERAL WOOL INSULATION TO FILL CAVITY 16mm GYPSUM WALL BOARD FINISH, PAINTED
	P1c	INTERIOR WOOD STUD FURRING WALL 16mm GYPSUM WALL BOARD FINISH, PAINTED 14mm WOOD STUD WALL @ 400mm O.C. 16mm MINERAL WOOL INSULATION TO FILL CAVITY 16mm GYPSUM WALL BOARD FINISH, PAINTED
	C1	ACT CEILING 31mm METAL SUPPORT 16mm 600 X 1200 CEILING TILE

ROOF ASSEMBLY

	B1	SLOPED VENTED ROOF 2 PLY SBS SLOPING MEMBRANE- EXPOSED, SELF-ADHERED PLYWOOD SUBSTRATE (REFER TO STRUCT. DWGS.) PRIMED VENTED VOID (NOT LESS THAN 60mm) AT ANY POINT BETWEEN SHEATHING AND INSULATION VAPOUR BARRIER STRUCTURE W/ FIBERGLASS BATT INSULATION TO EFFECTIVE RSI 6.0 (P1) WOOD TRUSSES, REFER TO STRUCT. DWGS VAPOUR AIR BARRIER POLYETHYLENE SHEET GYPSUM WALLBOARD
	F1	INSULATED RAISED FLOOR FINISHED FLOOR AS SCHEDULED PLYWOOD SUBFLOOR 6mm POLY B/W WOOD JOISTS SEE STRUCT. DWGS. W/ MINERAL WOOL INSULATION TO FILL CAVITY PLYWOOD SHEATHING, PROVIDE BUG CLOSURE BETWEEN STRIPS AS REQUIRED FOR ADEQUATE VENTILATION OF FLOOR CAVITY NOTED OTHERWISE

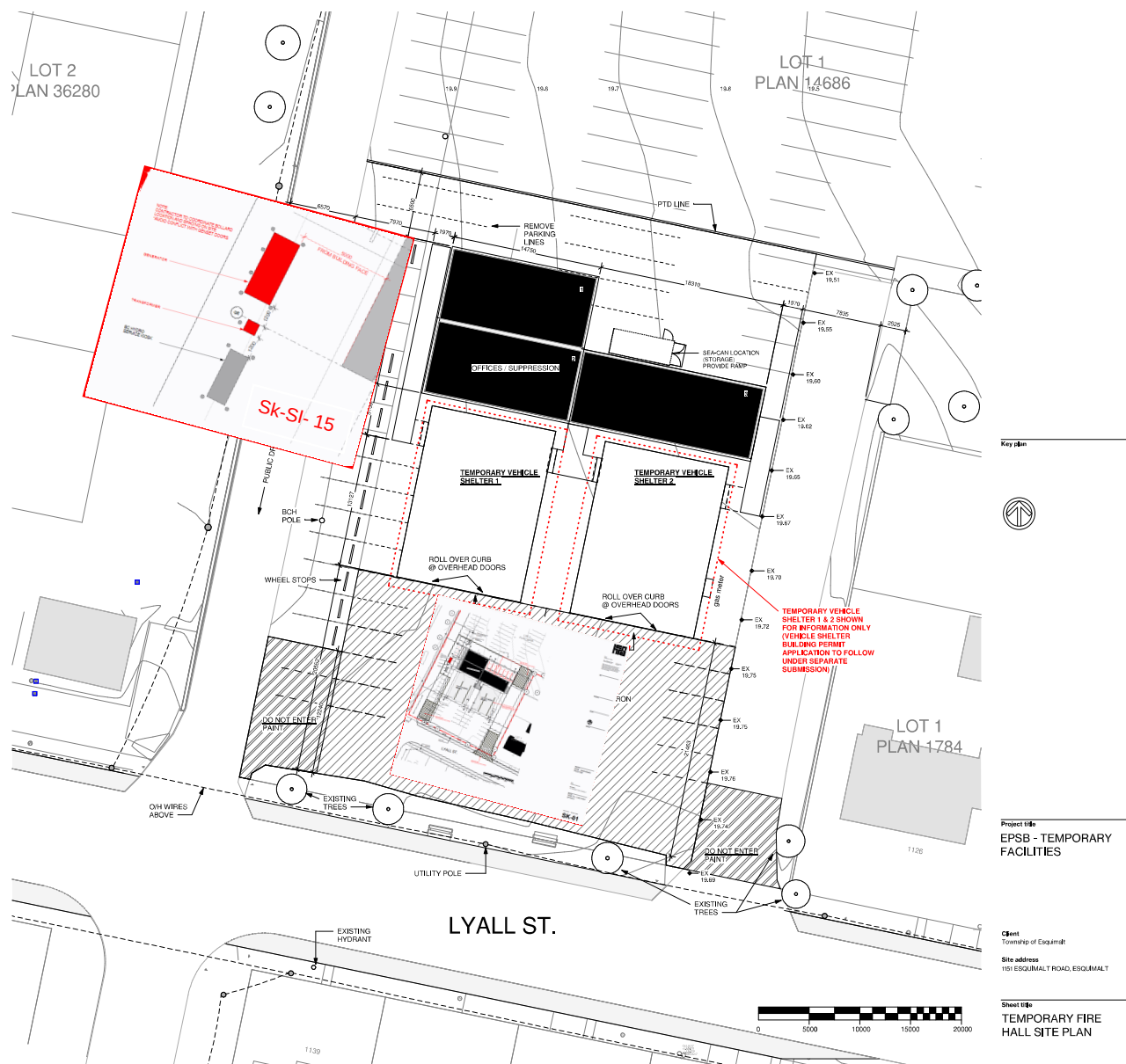
FLOOR ASSEMBLY

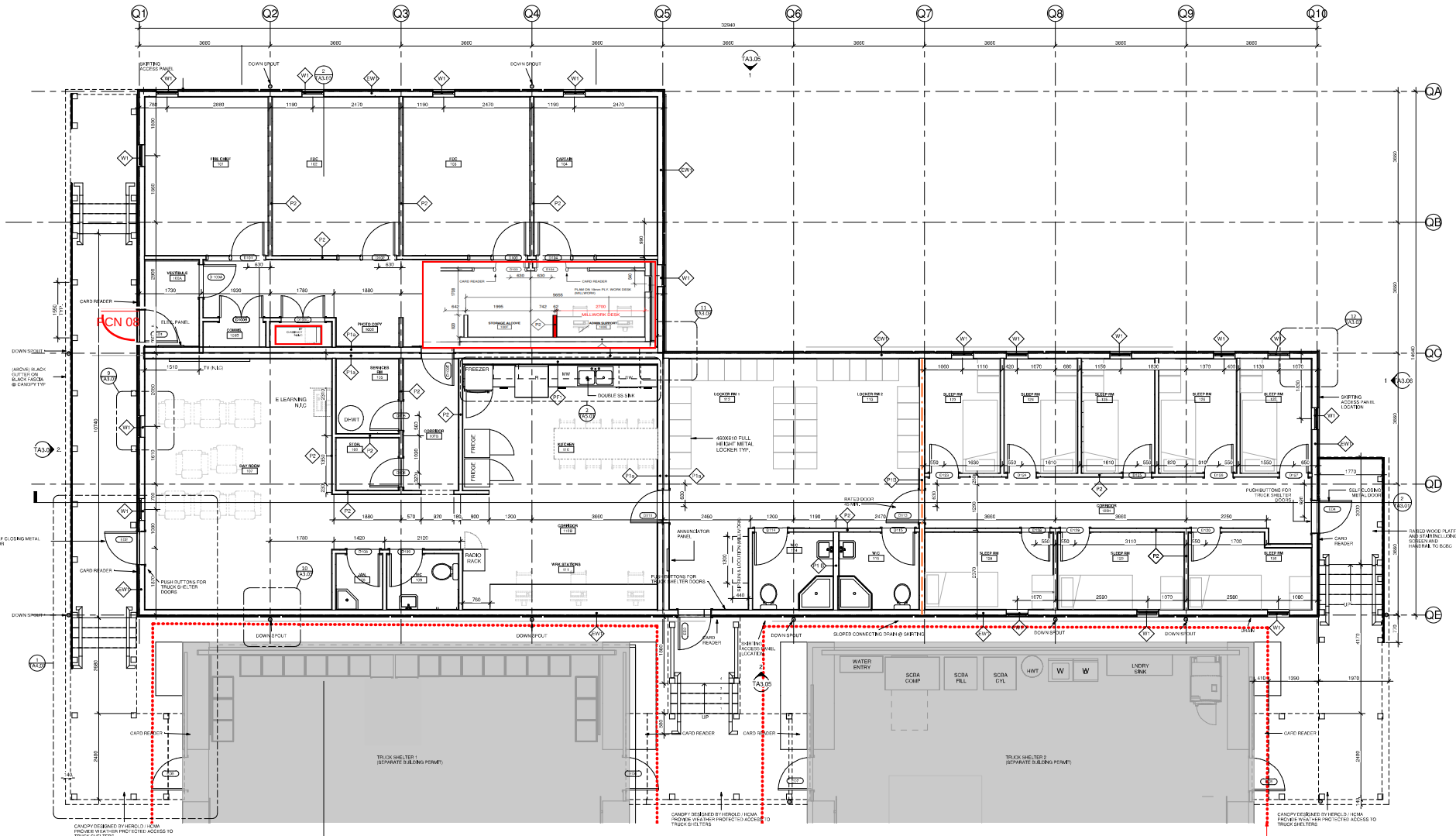
ASSEMBLIES GENERAL NOTES:

- FIRE RATED ASSEMBLIES (F1 & S) TYPE ASSEMBLIES ARE TO BE BOARDED TO US OF STRUCTURAL SLAB WITH APPROVED FIRE STOPPING SYSTEMS TO ALL JOINTS AND PENETRATIONS UNLESS NOTED OTHERWISE.
- ACOUSTIC PARTITIONS (AP) TYPE ASSEMBLIES ARE TO BE BOARDED TO US OF STRUCTURAL SLAB WITH ACOUSTIC SEALANT TO ALL JOINTS AND PENETRATIONS UNLESS NOTED OTHERWISE.
- MASONRY WALLS ARE TO EXTEND TO US OF STRUCTURAL SLAB WITH DEFLECTION DETAIL UNLESS NOTED OTHERWISE. REFER TO DETAIL DRAWINGS FOR REQUIRED DEFLECTION DIMENSIONS.
- PARTITIONS (P & PF) TYPE ASSEMBLIES ARE TO BE BOARDED MINIMUM 300mm ABOVE FINISHED CEILING, UNLESS INDICATED WITH A, WHICH DENOTES A REQUIREMENT FOR BOARDING TO US OF STRUCTURAL SLAB.
- SEE ROOM FINISH SCHEDULE FOR FINISH TYPE.
- REFER TO CODE DIAGRAMS FOR REQUIRED FIRE RATINGS OF PARTITIONS.

ABBREVIATIONS:

ACCESS.	ACCESSIBLE	GA.	GAUGE	PERF.	PERFORATED
A.C.T.	ACOUSTIC CEILING TILE	GA.V.	GALVANIZED	PFM.	PERMANENT
A.D.	AREA DRAIN	GL.	GLASS	PL.	PROPERTY LINE
A.D.A.	ADHERED w/ ADHESIVE	GL.C.	GENERAL CONTRACTOR	PL.M.	PLASTER LAMINATE
A.L.	ALUMINUM	GLAZ.	GLAZED	PL.S.	PLATE GLASS
A.L.C.	ALUMINUM CLADDING	GL.T.	GLASS TREATMENT	PL.U.	PLYWOOD
APPROX.	APPROXIMATELY	GL.W.	GLASS W/ WOOD TRIMMER	PL.V.	POLYURETHANE
A.S.H.	ASBESTOS	GR.	GRAVEL	PL.W.	POLYURETHANE
A.S.H.	ASBESTOS	GR.B.	GRAVEL	PL.X.	POLYURETHANE
A.S.H.	ASBESTOS	GR.C.	GRAVEL	PL.Y.	POLYURETHANE
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A.S.H.	ASBESTOS	GR.G			





Key plan



Project title
EPSP - TEMPORARY FACILITIES

Client
Township of Esquimalt

Site address
151 ESQUIMALT ROAD, ESQUIMALT

Sheet title
OFFICES / SUPPRESSION - LEVEL 1 PLAN

Sheet number
P15/Revision number 1

TA2.00

NOTE: EXISTING / OWNER SUPPLIED AND TO BE RELOCATED TO TEMP HALL

KITCHEN
RANGE 3' X 4' X 3"
D/W 28" X 31" X 67"
FRIDGES 28" X 31" X 67"
FREEZER 28" X 31" X 67"
MICROWAVE

NON GEAR CREW LOCKERS
BEDS
NEIDERMAN SYSTEM
LOOSE FURNITURE (office desks, chairs, file cabinets, lounge seating, dining table and chairs)

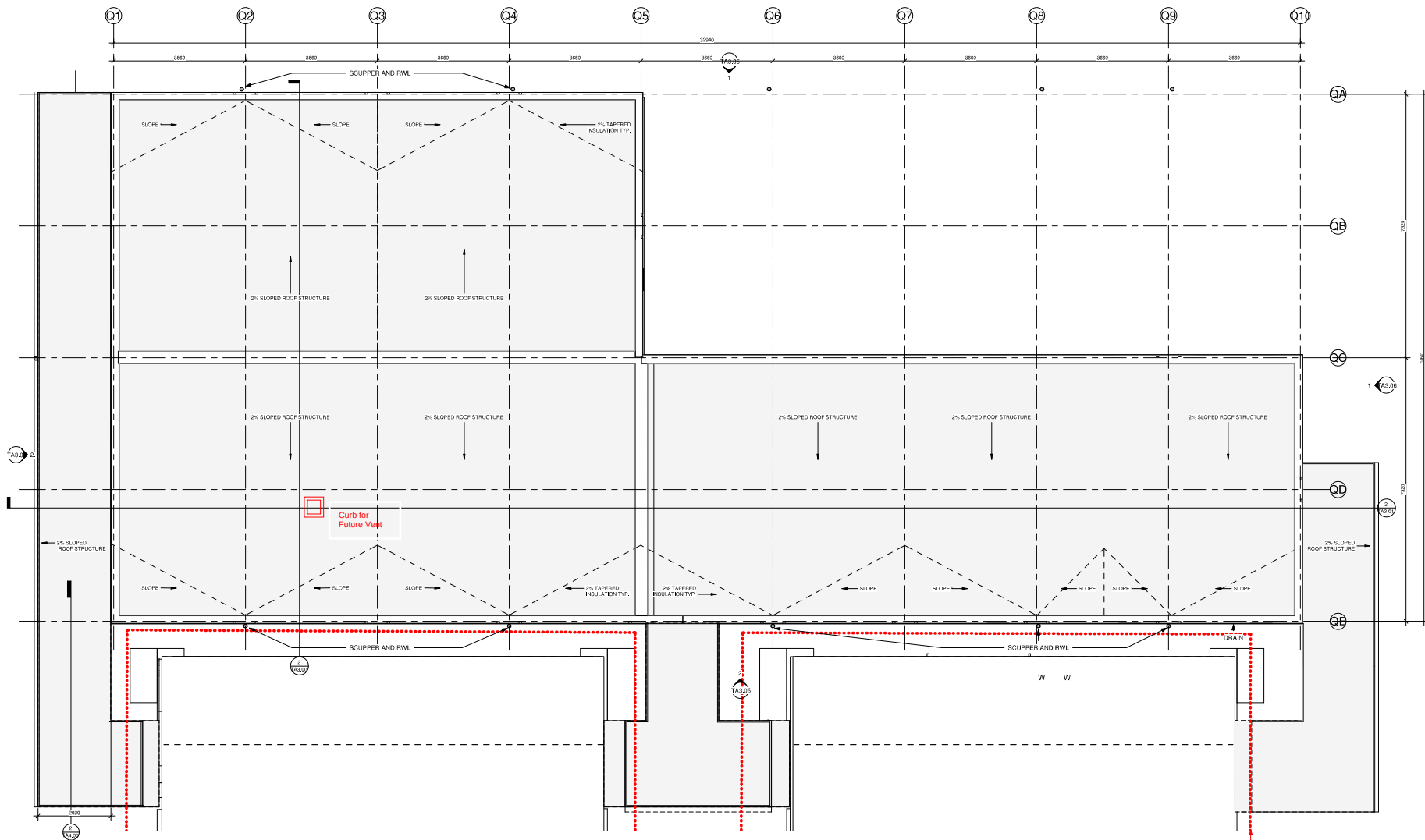
TEMPORARY VEHICLE SHELTER 1 & 2
SHOWN FOR INFORMATION ONLY
(VEHICLE SHELTER BUILDING PERMIT
APPLICATION TO FOLLOW UNDER
SEPARATE SUBMISSION)

1HR FIRE RESISTANCE RATING



As Built Drawings, June 29, 2022

1 LEVEL 1
1:50



1 LIVING QUARTERS ROOF PLAN
1 : 50

KINETIC
KINETIC

As Built Drawings, June 29, 2022

TEMPORARY VEHICLE SHELTER 1 & 2
SHOWN FOR INFORMATION ONLY
(VEHICLE SHELTER BUILDING PERMIT
APPLICATION TO FOLLOW UNDER
SEPARATE SUBMISSION)

Project title
EPSB - TEMPORARY
FACILITIES

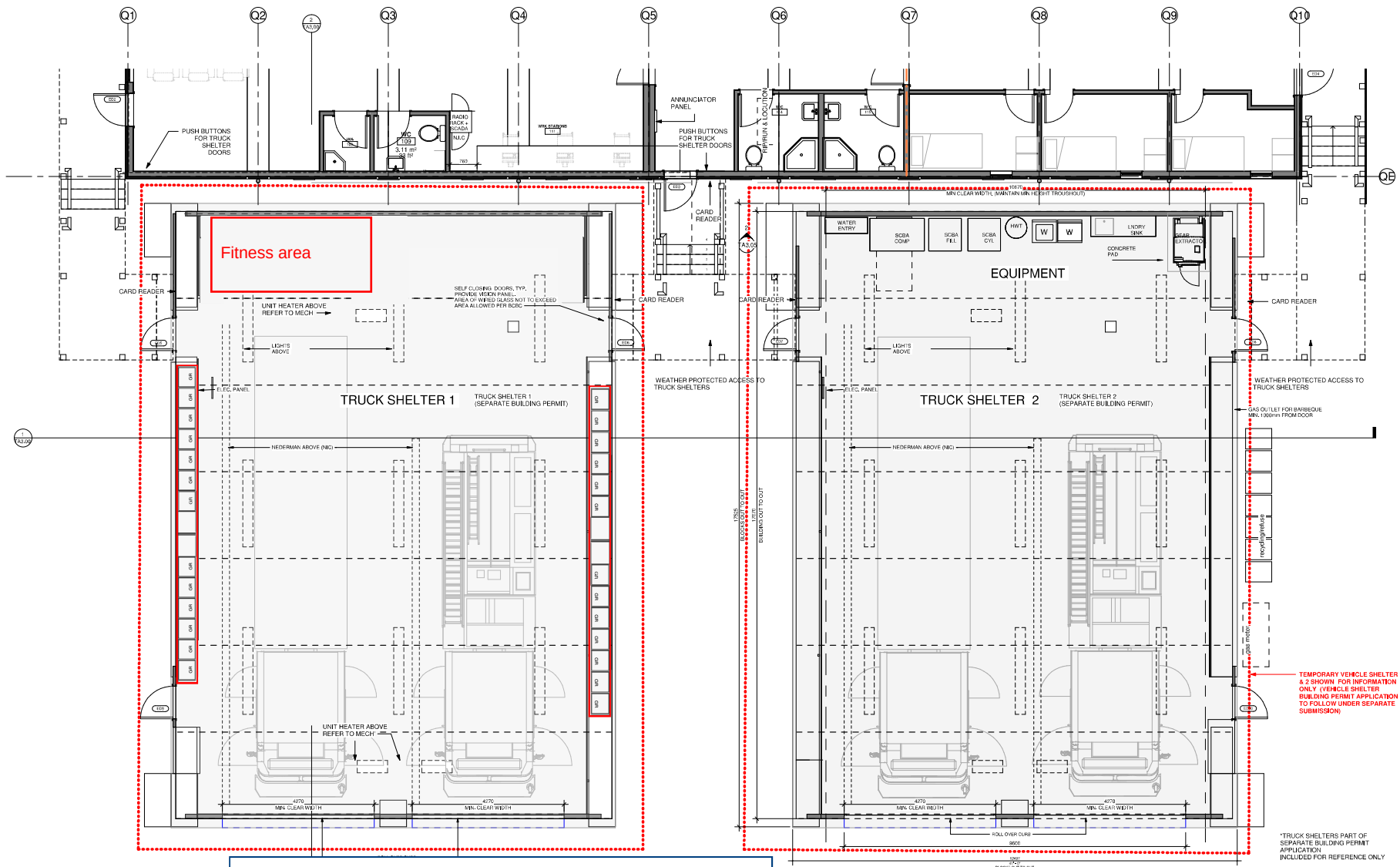
Client
Township of Esquimalt

Site address
151 ESQUIMALT ROAD, ESQUIMALT

Sheet title
OFFICES /
SUPPRESSION - ROOF
PLAN

Sheet number 25 of 25 number 1

TA2.01



① LEVEL 1 - TRUCK SHELTERS
1:50

KINETIC

As Built Drawings, June 29, 2022

NOTE: EXISTING AND TO BE RELOCATED TO TEMP HALL

KITCHEN:
RANGE
D/W
FRIDGES
FREEZER
MICROWAVE

NON GEAR CREW LOCKERS
BEDS
NEDERMAN SYSTEM
LOOSE FURNITURE (office desks, chairs, file cabinets, lounge seating, dining table and chairs)

OWNER SUPPLIED, TRANSPORTED AND INSTALLED BY CONTRACTOR, REMOVED BY CONTRACTOR

1HR FIRE
RESISTANCE RATING

Project title:
EPSB - TEMPORARY
FACILITIES

Client:
Township of Esquimalt
Site address:
151 ESQUIMALT ROAD, ESQUIMALT

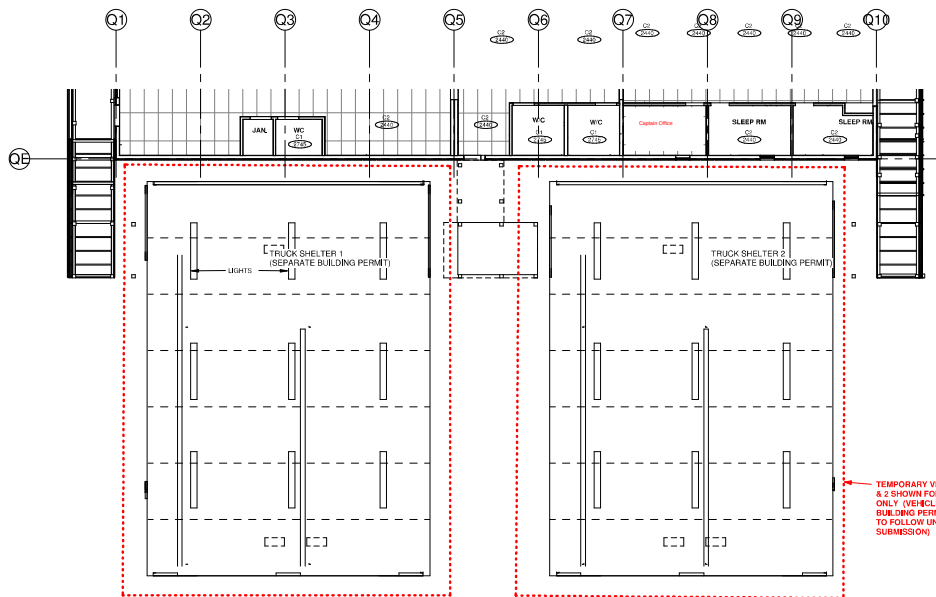
Sheet title:
VEHICLE SHELTERS
PLAN

Sheet number: 254/260 number 1

TA2.02



1 LIVING QUARTERS
1:100



2 TRUCK SHELTERS
1:100

RCP SYMBOLS

LEGEND:

SEE ELEC. FOR ALL LIGHTS
SEE MECH. FOR DIFFUSERS AND GRILLES
SEE SPRINKLER FOR ALL SPRINKLERS

	GENERIC LIGHT FIXTURE RECESSED
	GENERIC LIGHT FIXTURE SURFACE MOUNTED
	GENERIC LIGHT FIXTURE PENDANT
	GENERIC LIGHT FIXTURE WALL MOUNTED
	GENERIC LIGHT FIXTURE WALL MOUNTED
	RECESSED POT LIGHT
	UNDER COUNTER LIGHT FIXTURE
	LIGHT COVE
	LINEAR DIFFUSER
	SQUARE DIFFUSER
	RETURN AIR GRILLE
	TRANSFER AIR GRILLE
	SPRINKLER CEILING MOUNTED
	SPRINKLER WALL MOUNTED

Project title:
EPSB - TEMPORARY FACILITIES

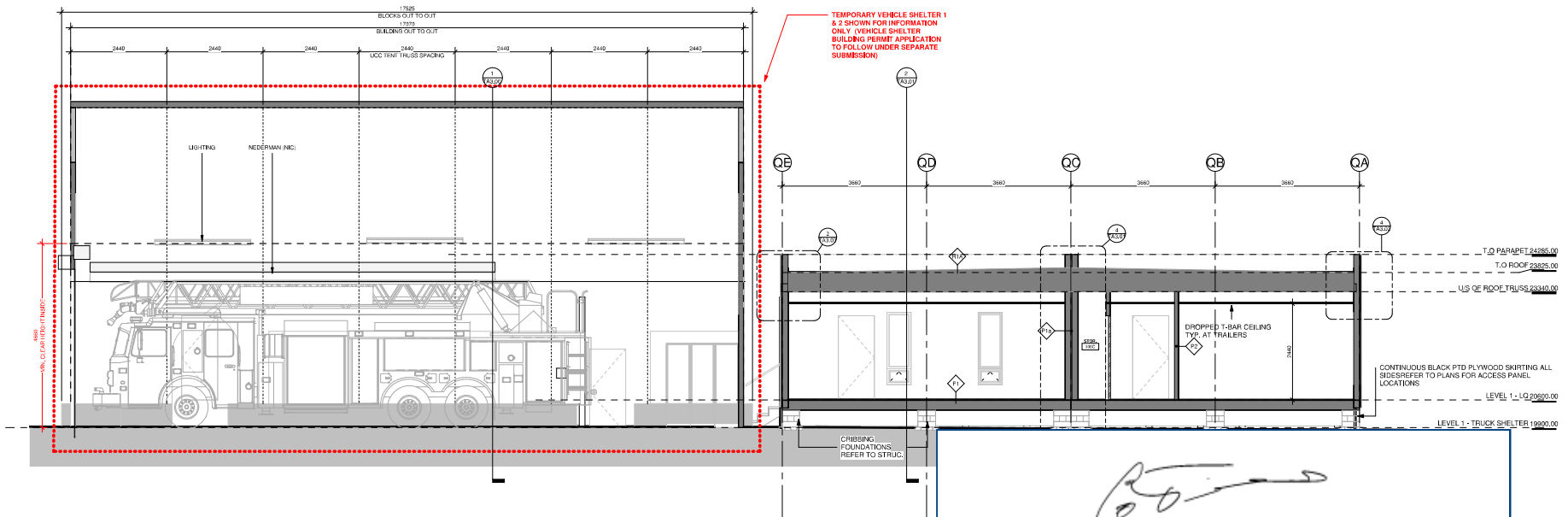
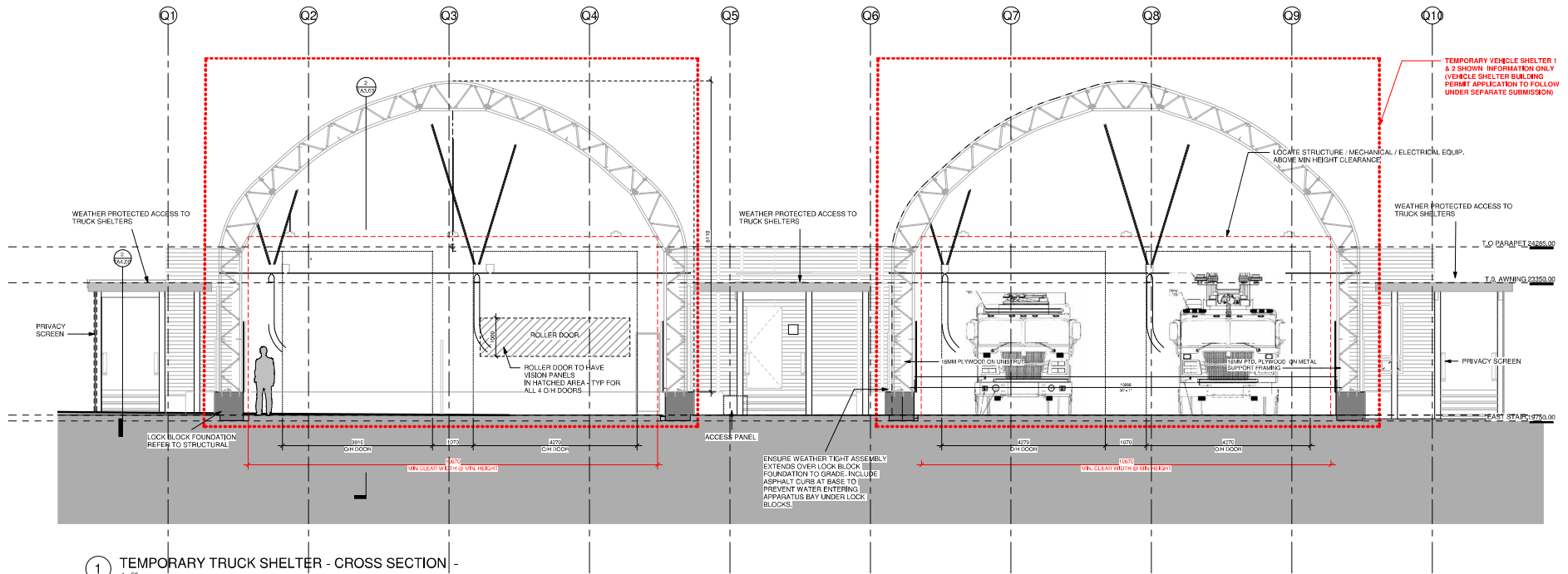
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Township of Esquimalt
Site address:
151 ESQUIMALT ROAD, ESQUIMALT

Sheet title:
TEMPORARY FIRE HALL - REFLECTED CEILING PLAN

Sheet number: PTA-1000 number 1

TA2.05

As Built Drawings, June 29, 2022



KINETIC

As Built Drawings, June 29, 2022

Project title:
EPSB - TEMPORARY
FACILITIES

Client:
Township of Esquimalt

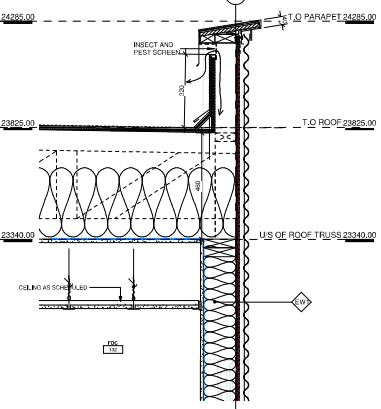
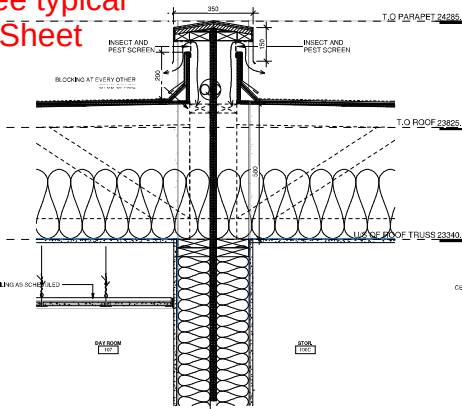
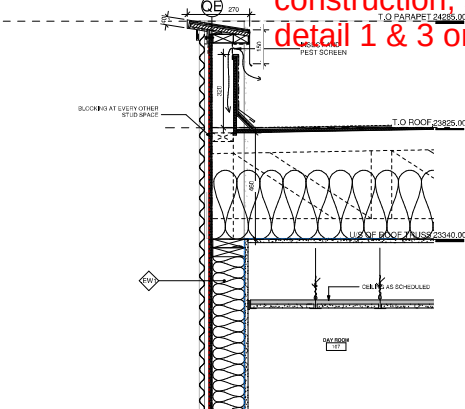
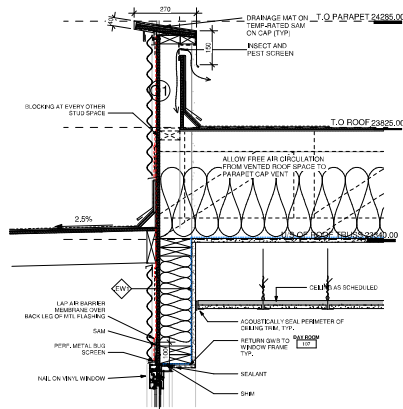
Site address:
151 ESQUIMALT ROAD, ESQUIMALT

Sheet title:
TEMPORARY FIRE
HALL SECTIONS

Sheet number: PTA-1000 number 1

TA3.00

For Parapet wall
construction, see typical
detail 1 & 3 on Sheet

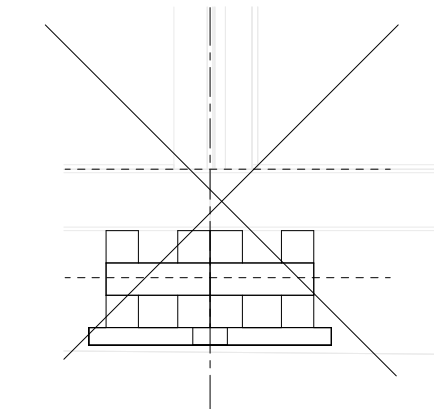
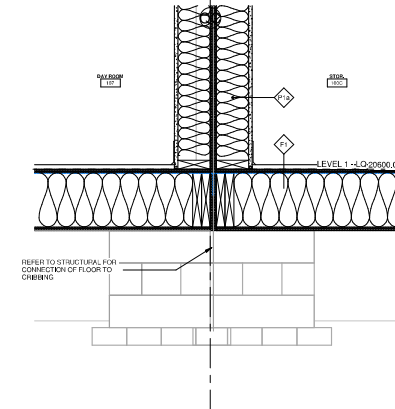
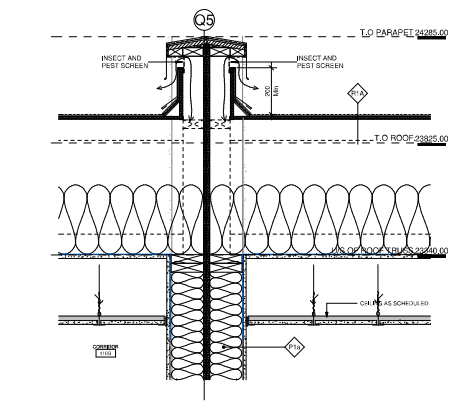
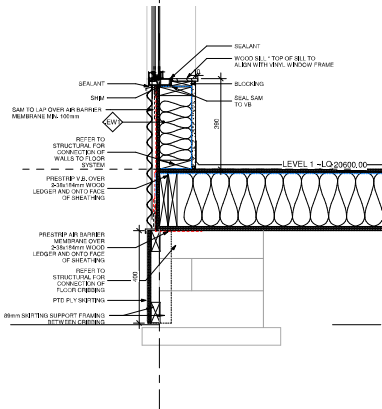


1 SECTION DETAIL - TYP WINDOW HEAD
1:10

2 SECTION DETAIL - SOUTH WALL
1:10

3 SECTION DETAIL - ROOF @ MODULES
1:10

4 SECTION DETAIL - NORTH WALL
1:10

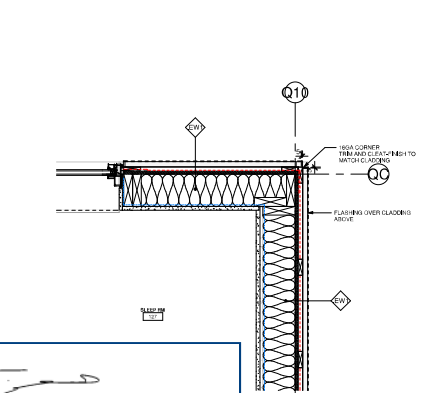
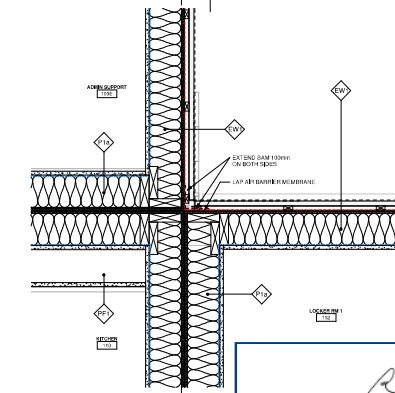
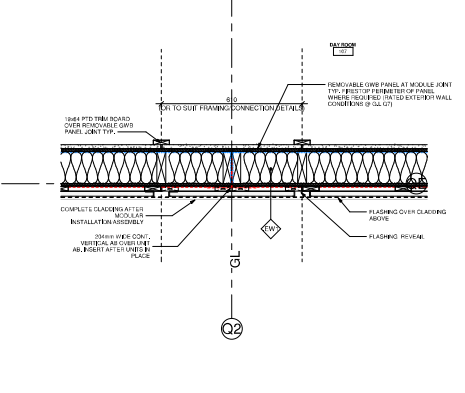
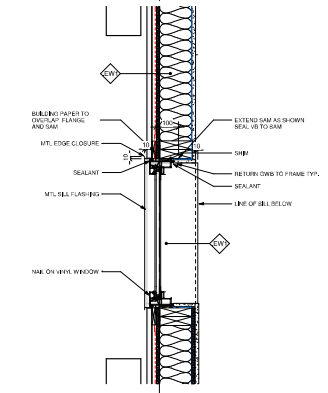


5 SECTION DETAIL - TYP WINDOW SILL
1:10

6 SECTION DETAIL @ GL Q5
1:10

7 SECTION DETAIL - FLOOR @ MODULES
1:10

8 Detail 11
1:10



9 PLAN DETAIL - TYP WINDOW JAMB
1:10

10 PLAN DETAIL - EXTERIOR CLADDING @ MODULE
1:10

11 PLAN DETAIL - INSIDE CORNER
1:10

12 PLAN DETAIL - OUTSIDE CORNER
1:10



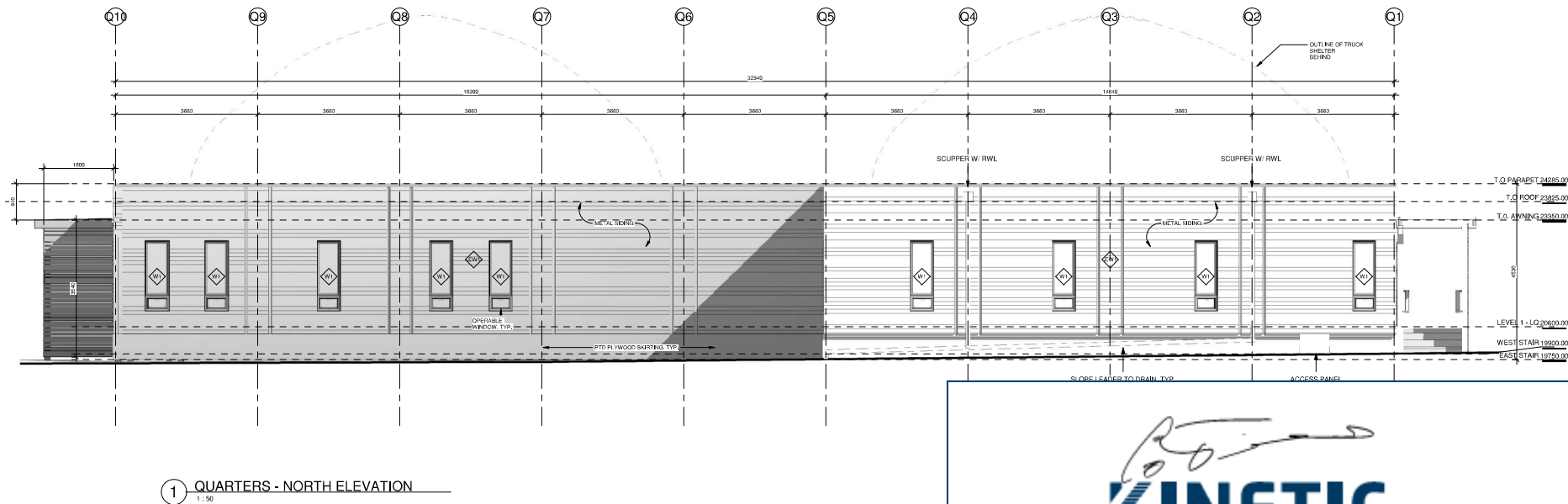
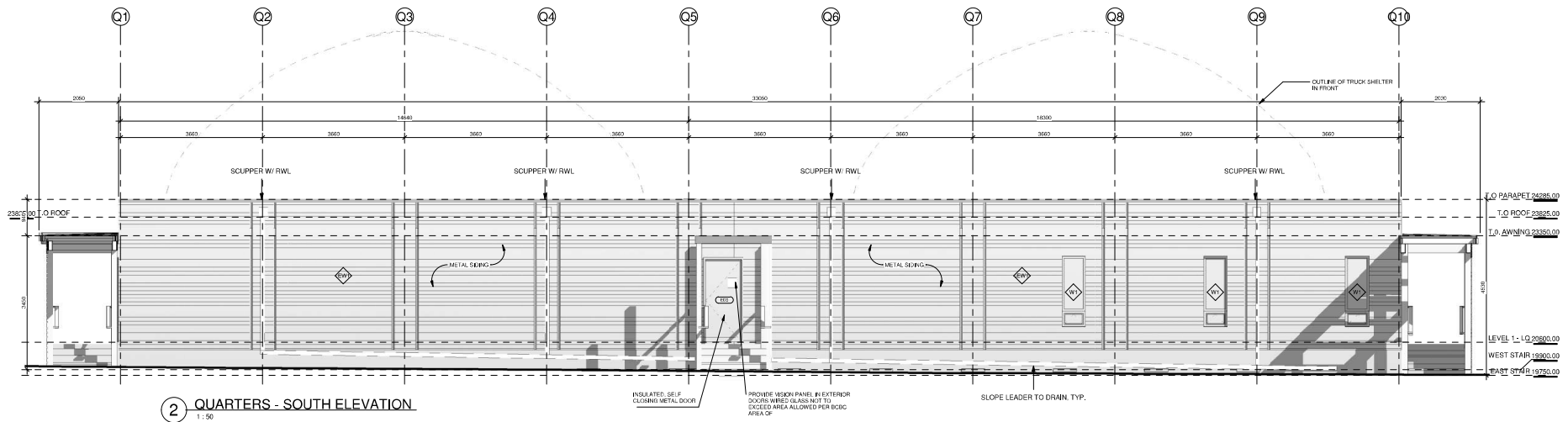
Project title
EPSP - TEMPORARY
FACILITIES

Client
Township of Esquimalt
Site address
151 ESQUIMALT ROAD, ESQUIMALT

Sheet title
DETAILS

Sheet number
TA3.03

TA3.03



KINETIC

As Built Drawings, June 29, 2022

Project title:
EP5B - TEMPORARY
FACILITIES

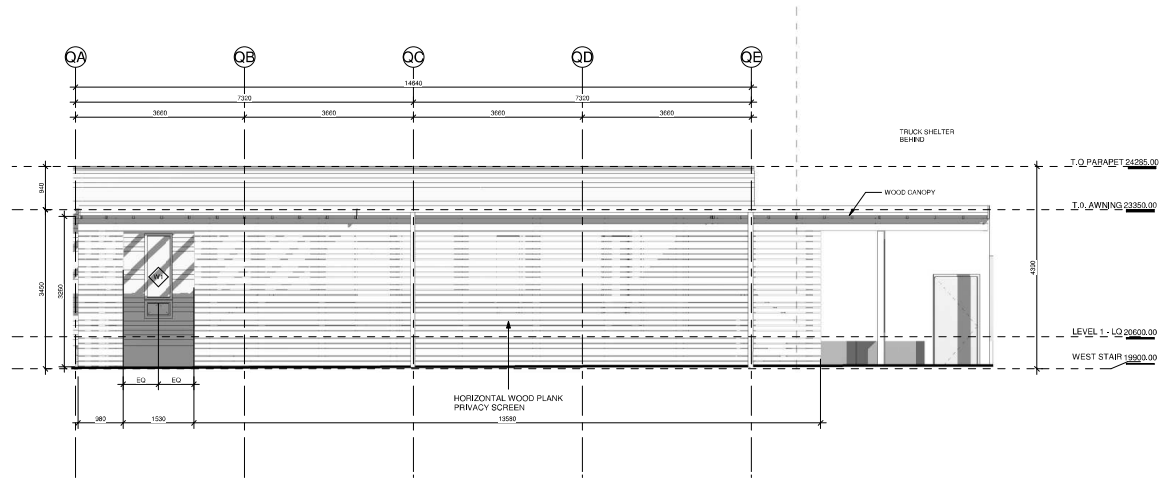
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Township of Esquimalt

Site address:
1151 ESQUIMALT ROAD, ESQUIMALT

Sheet title:
OFFICES /
SUPPRESSION
ELEVATIONS

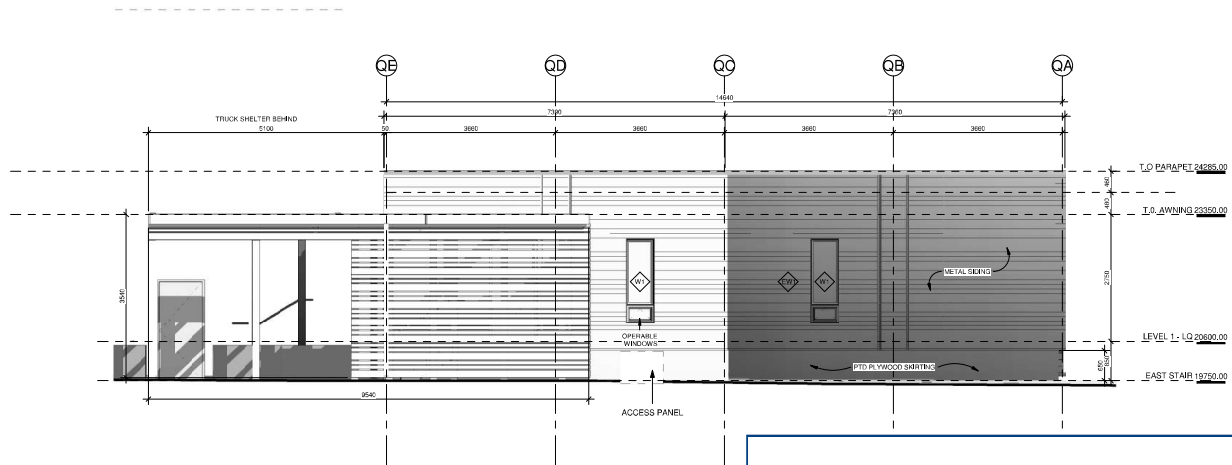
Sheet number: P35 Revision number: 1

TA3.05



2. QUARTERS - WEST ELEVATION
1:50

Security Screen and Canopy Roof Structure Deleted



1. QUARTERS - EAST ELEVATION
1:50

KINETIC

As Built Drawings, June 29, 2022

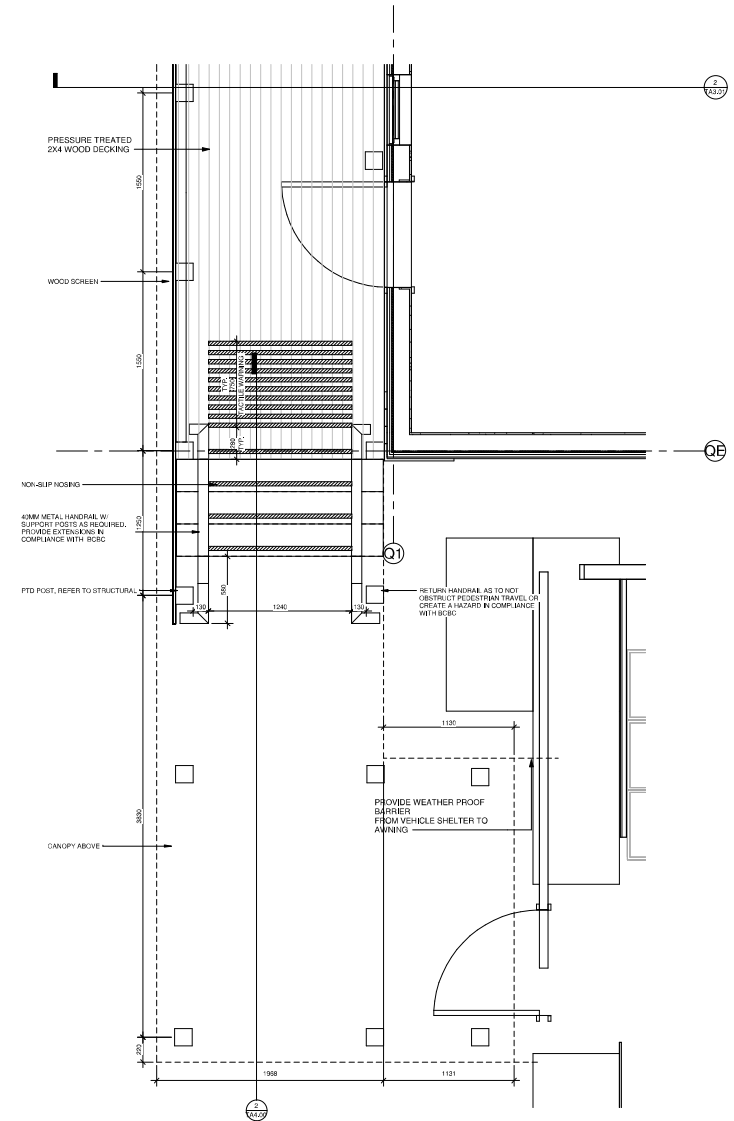
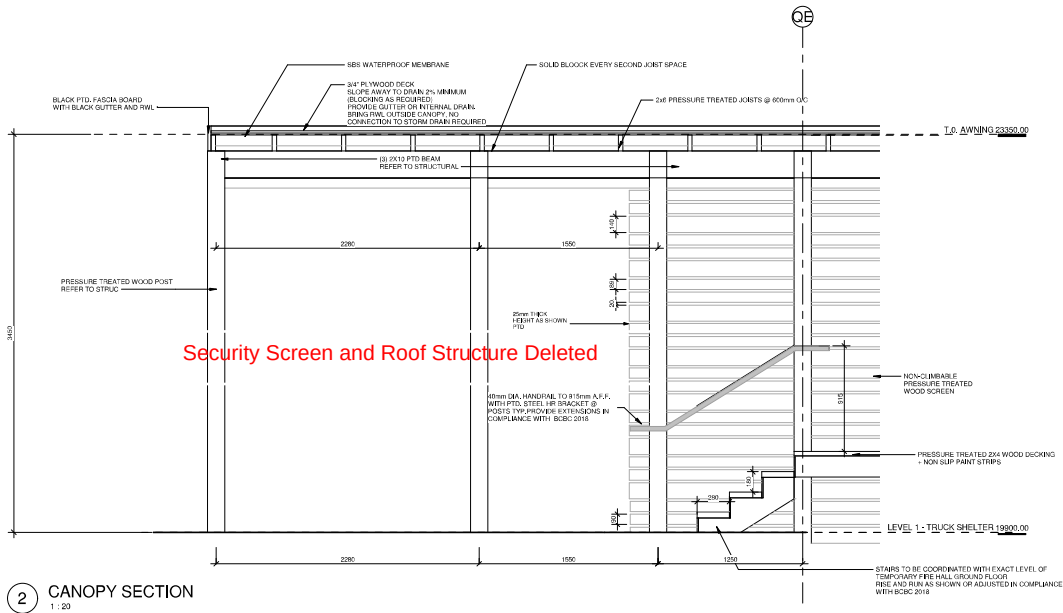
Project title
EPSB - TEMPORARY
FACILITIES

Client
Township of Esquimalt
Site address
1151 ESQUIMALT ROAD, ESQUIMALT

Sheet title
OFFICES /
SUPPRESSION
ELEVATIONS

Sheet number PT3600 number 1

TA3.06



Project title
EPSB - TEMPORARY FACILITIES

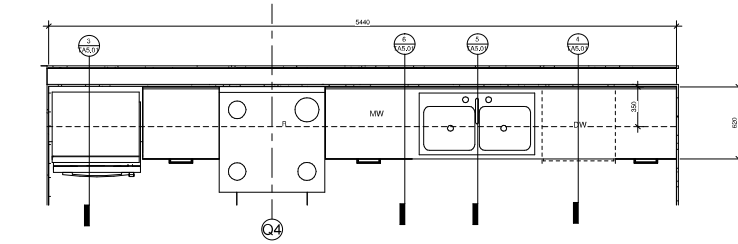
Client
Township of Esquimalt

Site address
1151 ESQUIMALT ROAD, ESQUIMALT

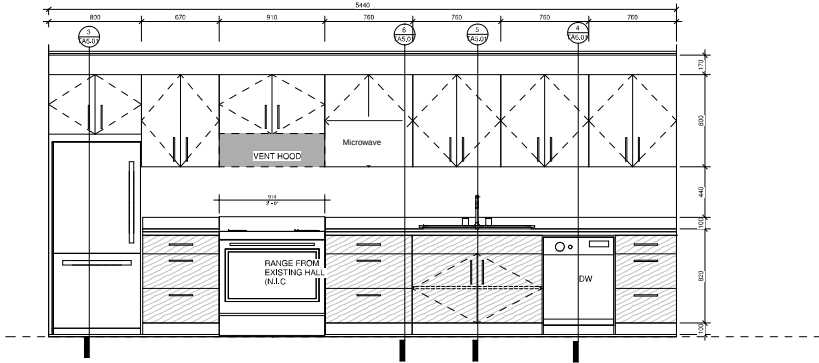
Sheet title
TEMPORARY FIRE HALL CANOPY DETAILS

Sheet number
TA4.00

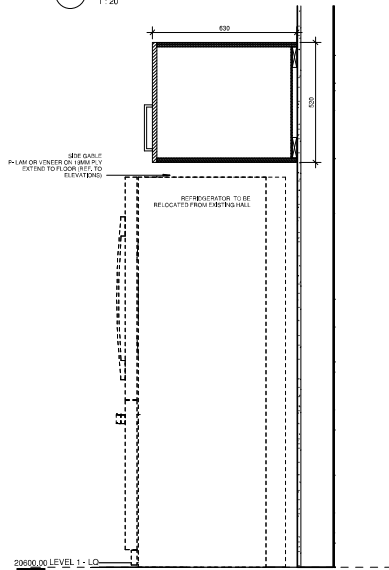
Revision number 1



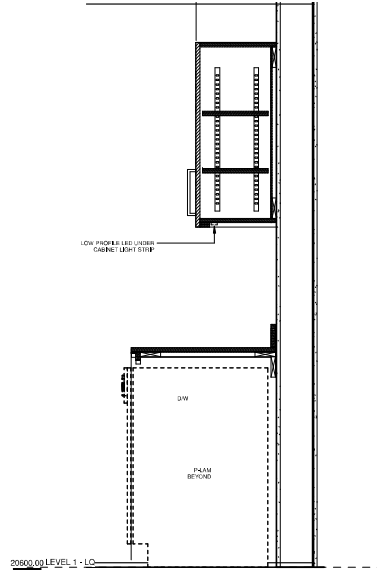
2 KITCHEN MILLWORK - PLAN
1:20



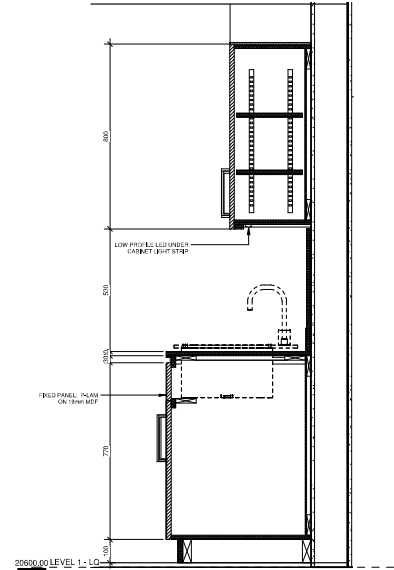
1 KITCHEN MILLWORK - ELEVATION
1:20



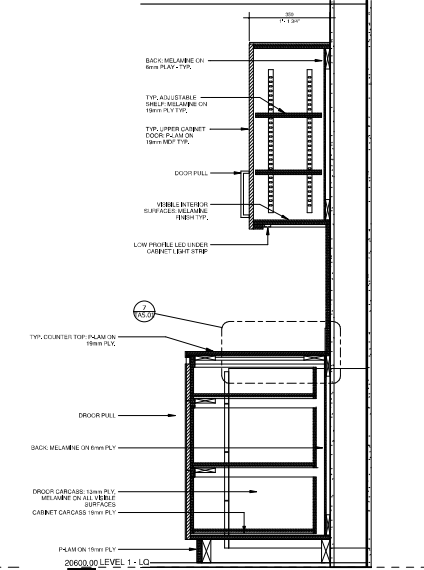
3 SECT. UPPER @ FRIDGE
1:10



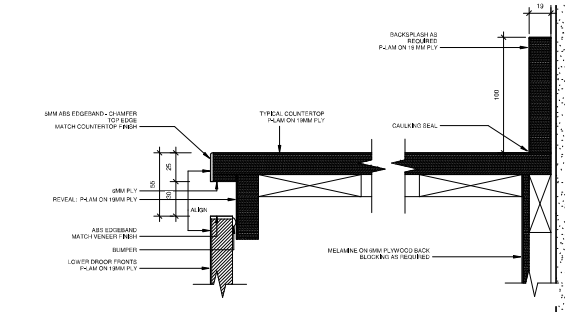
4 SECT. BASE @ D/W
1:10



5 SECT. BASE @ SINK
1:10



6 SECT. TYP. DRAWER / UPPER
1:10



7 TYP. COUNTER EDGE DETAIL
1:2

Project title:
EPSB - TEMPORARY
FACILITIES

Client:
Township of Esquimalt
Site address:
1151 ESQUIMALT ROAD, ESQUIMALT

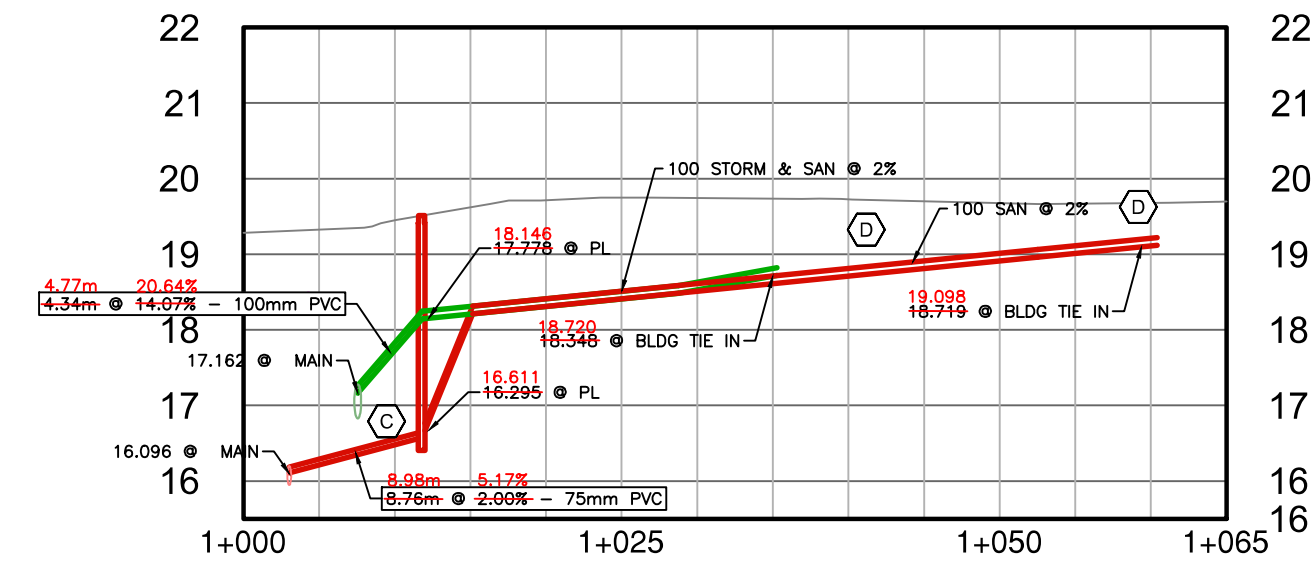
Sheet title:
OFFICES /
SUPPRESSION
MILLWORK

Sheet number: P346100 number: 1

TA5.01



- CONSTRUCTION NOTES:
- ✓ (A) CITY OF VICTORIA TO INSTALL A 50mm WATER SERVICE COMPLETE WITH 50mm WATER METER AT APPLICANT'S EXPENSE. METER TO BE INSTALLED IN 600 MM BARREL COMPLETE WITH CAST IRON FRAME AND LID.
 - ✓ (B) CONTRACTOR TO INSTALL 50mm DOUBLE CHECK VALVE ON-SITE AS PER CRD SD 2.2. CHECK VALVE TO BE INSTALLED IN 600 MM BARREL COMPLETE WITH CAST IRON FRAME AND LID.
 - ✓ (C) TOWNSHIP OF ESQUIMALT TO INSTALL 100mm STORM SERVICE AND 100 MM SANITARY SERVICE COMPLETE WITH INSPECTION CHAMBERS IN MANHOLE.
 - ✓ (D) ONSITE STORM AND SANITARY TO BE INSTALLED IN ACCORDANCE WITH BCBC COMPLETE WITH CLEANOUTS AND GRANULAR BACKFILL AS REQUIRED.
 - ✓ (E) ONSITE WATER TO BE INSTALLED IN ACCORDANCE WITH BCBC. WATERMAIN TO HAVE MINIMUM OF 750 MM COVER AND GRANULAR BACKFILL.
 - ✓ (F) CONTRACTOR TO COORDINATE WITH FORTIS FOR GAS SERVICING.
 - ✓ (G) HYDRO OVERHEAD SERVICING TO BE DONE BY OTHERS.
 - ✓ (H) CONTRACTOR TO INSTALL ASPHALT ROLL-OVER IN FRONT OF BAY DOORS AS REQUIRED. ASPHALT ROLL-OVER CURB DIMENSIONS TO BE AS PER MMCD C6.



PROPOSED STORM/SANITARY SERVICE PROFILE
H 1:500
V 1:100

I CONFIRM THAT THE FOLLOWING WORKS: ROAD, SEWER, DRAIN, AND WATER WERE INSPECTED DURING CONSTRUCTION AND WERE INSTALLED, TO THE BEST OF MY KNOWLEDGE, IN ACCORDANCE WITH MUNICIPAL SPECIFICATIONS AND AS SHOWN ON THESE DRAWINGS.

THE SEAL AND SIGNATURE OF THE UNDERSIGNED ON THIS DRAWING CERTIFIES THAT THE ROAD, SEWER, DRAIN, AND WATER DESIGN INFORMATION CONTAINED IN THESE DRAWINGS ACCURATELY REFLECTS THE ORIGINAL DESIGN AND THE MATERIAL DESIGN CHANGES MADE DURING CONSTRUCTION THAT WERE BROUGHT TO THE UNDERSIGNED'S ATTENTION. THESE DRAWINGS ARE INTENDED TO INCORPORATE ADDITIONAL CHANGE ORDERS, AND OTHER MATERIAL DESIGN CHANGES, BUT NOT NECESSARILY, ALL SITE INSTRUCTIONS.

THE UNDERSIGNED DOES NOT WARRANT OR GUARANTEE, NOR ACCEPT ANY RESPONSIBILITY FOR THE ACCURACY OR COMPLETENESS OF THE AS-CONSTRUCTED INFORMATION SUPPLIED BY OTHERS CONTAINED IN THESE DRAWINGS, BUT DOES, BY SEALING AND SIGNING, CERTIFY THAT THE AS-CONSTRUCTED INFORMATION, IF ACCURATE AND COMPLETE, PROVIDES AN AS-CONSTRUCTED SYSTEM WHICH SUBSTANTIALLY COMPLIES IN ALL MATERIAL RESPECTS WITH THE ORIGINAL DESIGN INTENT.



KEY PLAN
NTS

Project title
EPSB – TEMPORARY FACILITIES

Client
Township of Esquimalt

Site address
1151 ESQUIMALT ROAD, ESQUIMALT

Sheet Title
TEMPORARY FIRE HALL SITE PLAN

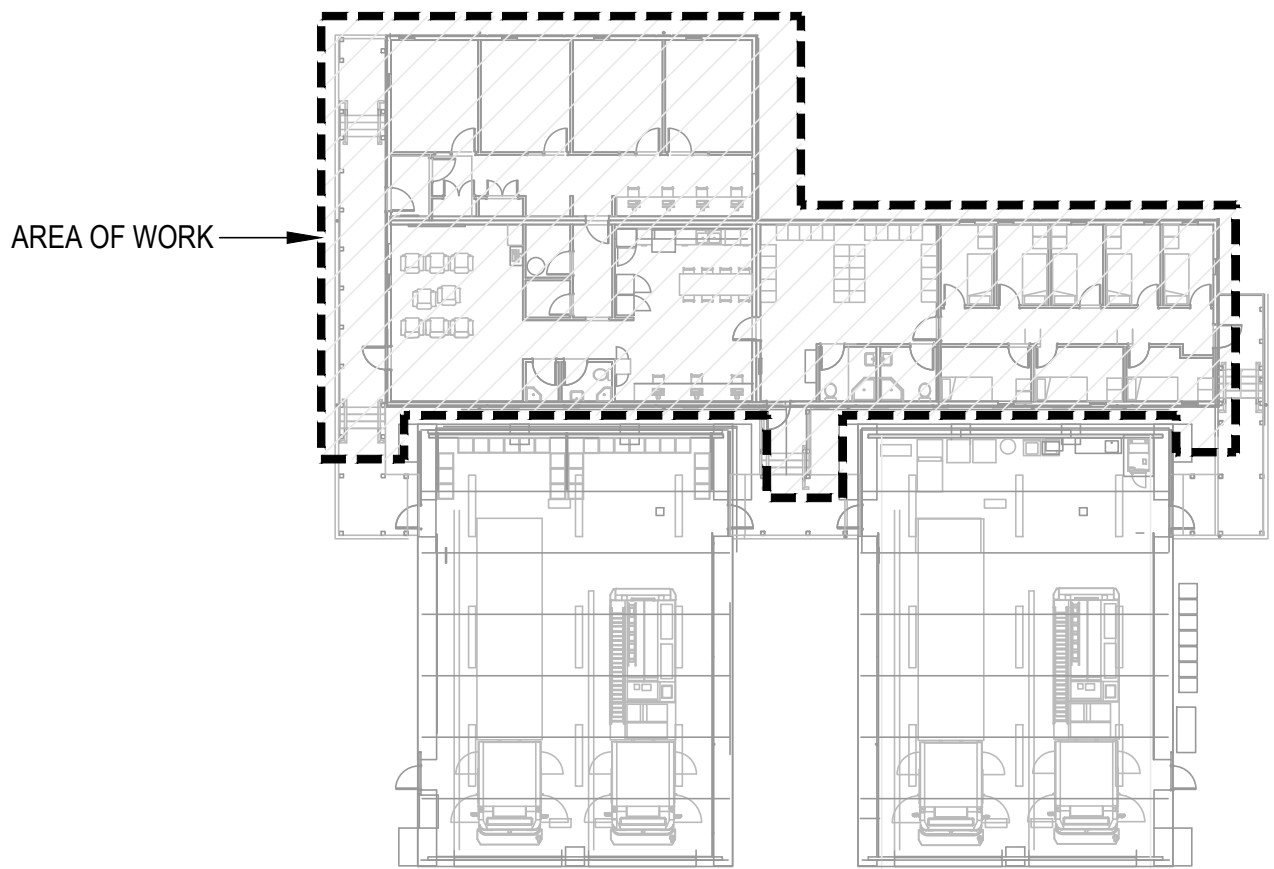
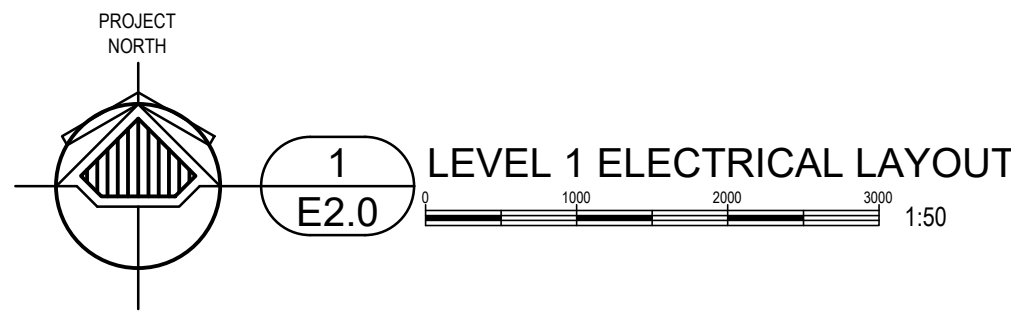
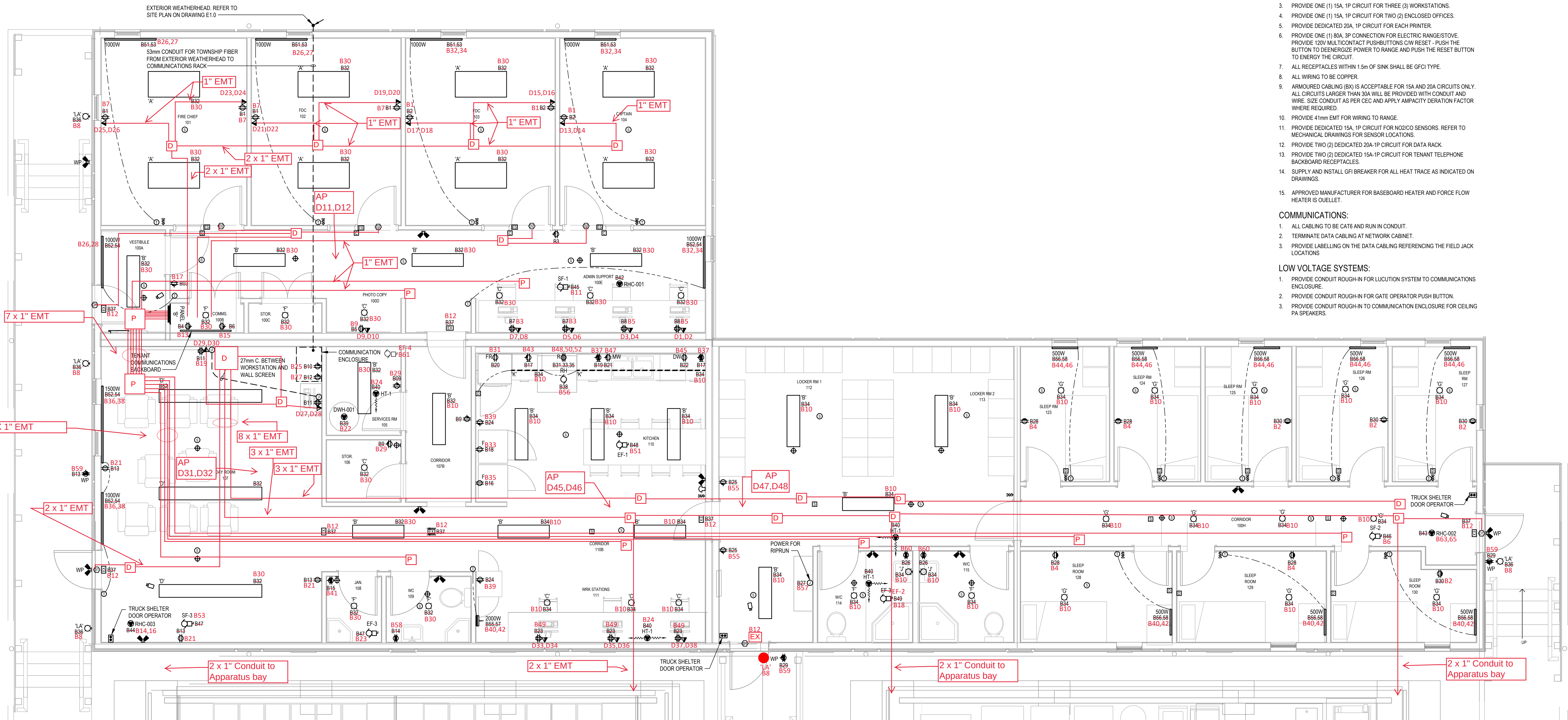
LEGEND			
LAMP STANDARD	LS	CLEANOUT	CO
POLE(Hydro, Tel.)	PP	CATCHBASIN	CB
U/G WIRING	UE	MANHOLE	MH
GAS	G	SERVICE RISER	SR
WATER	W	MOUNTABLE CURB	MC
SEWER	S	NON-MOUNT. CURB	NMC
DRAIN	D	EDGE ASPHALT	EA
		DITCH	DI
		METER	M
		FLUSH VALVE	FV
		VALVE	V
		REDUCER	R
		HYDRANT	H
		AIR VALVE	AV

Twist Construction Ltd.
As Built Drawing, August 31, 2022

-AES2001 ~ 22-SEP-21 13:04 H:\PROJECTS\2021\1-21-148\WGS\TEMP-FIRE\DWG\1-21-148-E200-FD-PLAN.DWG CHRIS.WONG



As Built Drawings, July 25, 2022



GENERAL NOTES:

LIGHTING:

1. PROVIDE 4 DEDICATED 15A, 1P CIRCUITS FOR LIGHTING.
2. PROVIDE 2 DEDICATED CIRCUITS FOR EXIT SIGNS.
3. WIRE AND CONNECT SELF-CONTAINED EMERGENCY LIGHTS TO LOCAL AREA LIGHTING CIRCUIT AHEAD OF SWITCHES.
4. LIGHTING CONTROLS PER ASHRAE-90.1-2016.

POWER:

1. PROVIDE DEDICATED 15A, 1P CIRCUIT FOR EACH FRIDGE/FREEZER/MICROWAVE.
2. PROVIDE ONE (1) 20A, 1P CIRCUIT FOR TWO (2) KITCHEN COUNTER RECEPTACLES.
3. PROVIDE ONE (1) 15A, 1P CIRCUIT FOR THREE (3) WORKSTATIONS.
4. PROVIDE ONE (1) 15A, 1P CIRCUIT FOR TWO (2) ENCLOSED OFFICES.
5. PROVIDE DEDICATED 20A, 1P CIRCUIT FOR EACH PRINTER.
6. PROVIDE ONE (1) 60A, 3P CONNECTION FOR ELECTRIC RANGE/STOVE. PROVIDE 120V MULTICONTACT PUSHBUTTONS C/W RESET - PUSH THE BUTTON TO DEENERGIZE POWER TO RANGE AND PUSH THE RESET BUTTON TO ENERGIZE THE CIRCUIT.
7. ALL RECEPTACLES WITHIN 1.5m OF SINK SHALL BE GFI TYPE.
8. ALL WIRING TO BE COPPER.
9. ARMORED CABLES (BX) IS ACCEPTABLE FOR 15A AND 20A CIRCUITS ONLY. ALL CIRCUITS LARGER THAN 30A WILL BE PROVIDED WITH CONDUIT AND WIRE SIZE CONDUIT AS PER CEC AND APPLY AMPACITY DERATION FACTOR WHERE REQUIRED.
10. PROVIDE 4mm EMT FOR WIRING TO RANGE.
11. PROVIDE DEDICATED 15A, 1P CIRCUIT FOR NO2CO SENSORS. REFER TO MECHANICAL DRAWINGS FOR SENSOR LOCATIONS.
12. PROVIDE TWO (2) DEDICATED 20A-1P CIRCUIT FOR DATA RACK.
13. PROVIDE TWO (2) DEDICATED 15A-1P CIRCUIT FOR TENANT TELEPHONE BACKBOARD RECEPTACLES.
14. SUPPLY AND INSTALL GFI BREAKER FOR ALL HEAT TRACE AS INDICATED ON DRAWINGS.
15. APPROVED MANUFACTURER FOR BASEBOARD HEATER AND FORCE FLOW HEATER IS OUELLET.

COMMUNICATIONS:

1. ALL CABLEING TO BE CAT6 AND RUN IN CONDUIT.
2. TERMINATE DATA CABLEING AT NETWORK CABINET.
3. PROVIDE LABELLING ON THE DATA CABLEING REFERENCING THE FIELD JACK LOCATIONS.

LOW VOLTAGE SYSTEMS:

1. PROVIDE CONDUIT ROUGH-IN FOR LUCUTION SYSTEM TO COMMUNICATIONS ENCLOSURE.
2. PROVIDE CONDUIT ROUGH-IN FOR GATE OPERATOR PUSH BUTTON.
3. PROVIDE CONDUIT ROUGH-IN TO COMMUNICATION ENCLOSURE FOR CEILING PA SPEAKERS.

Project title

EPSB - TEMPORARY FACILITIES

Client
Township of Esquimalt

Site address
1151 ESQUIMALT ROAD, ESQUIMALT

Sheet title

LEVEL 1
ELECTRICAL
LAYOUT

Sheet number

Revision number

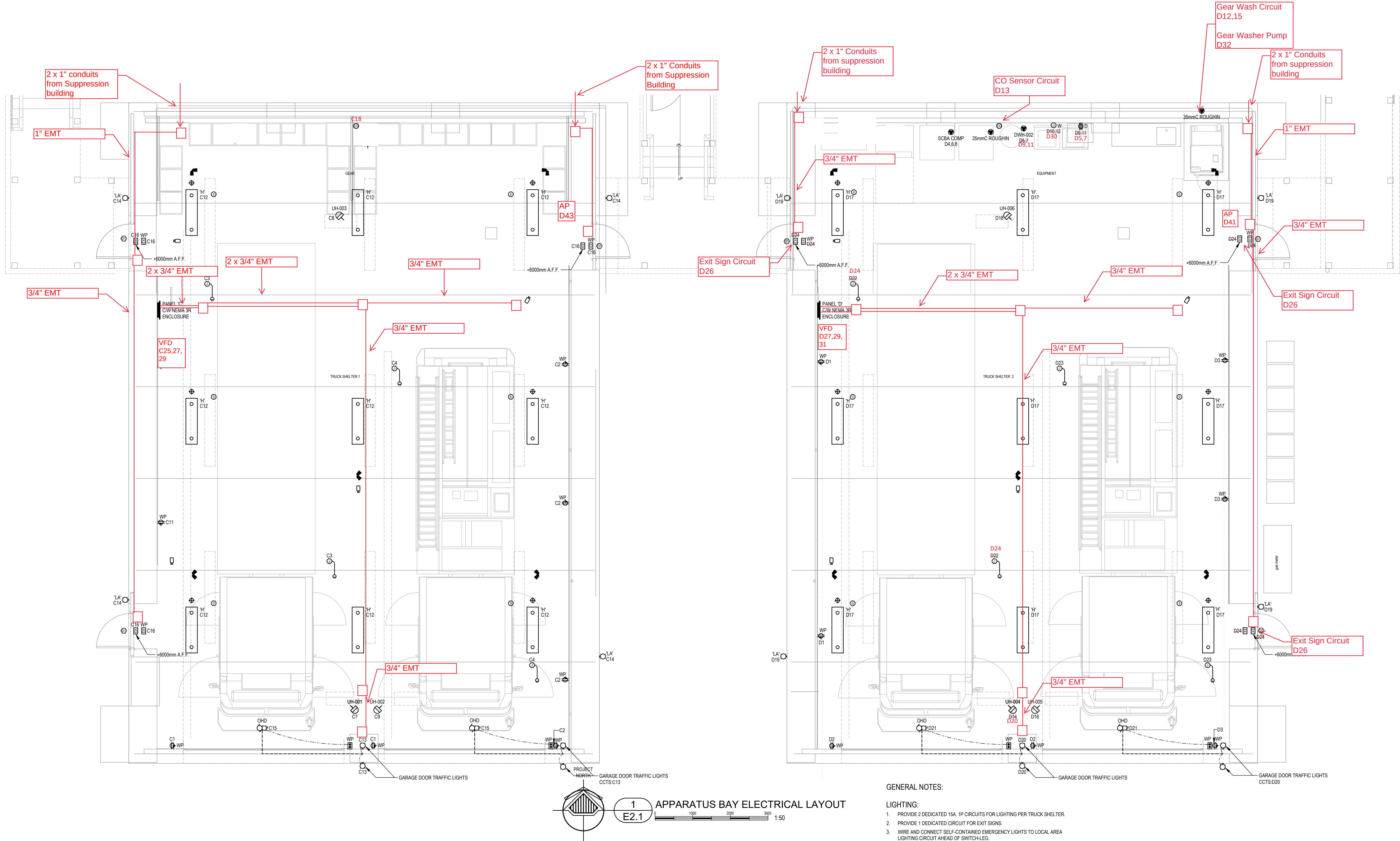
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E2.0

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As Built Drawings, July 25, 2022

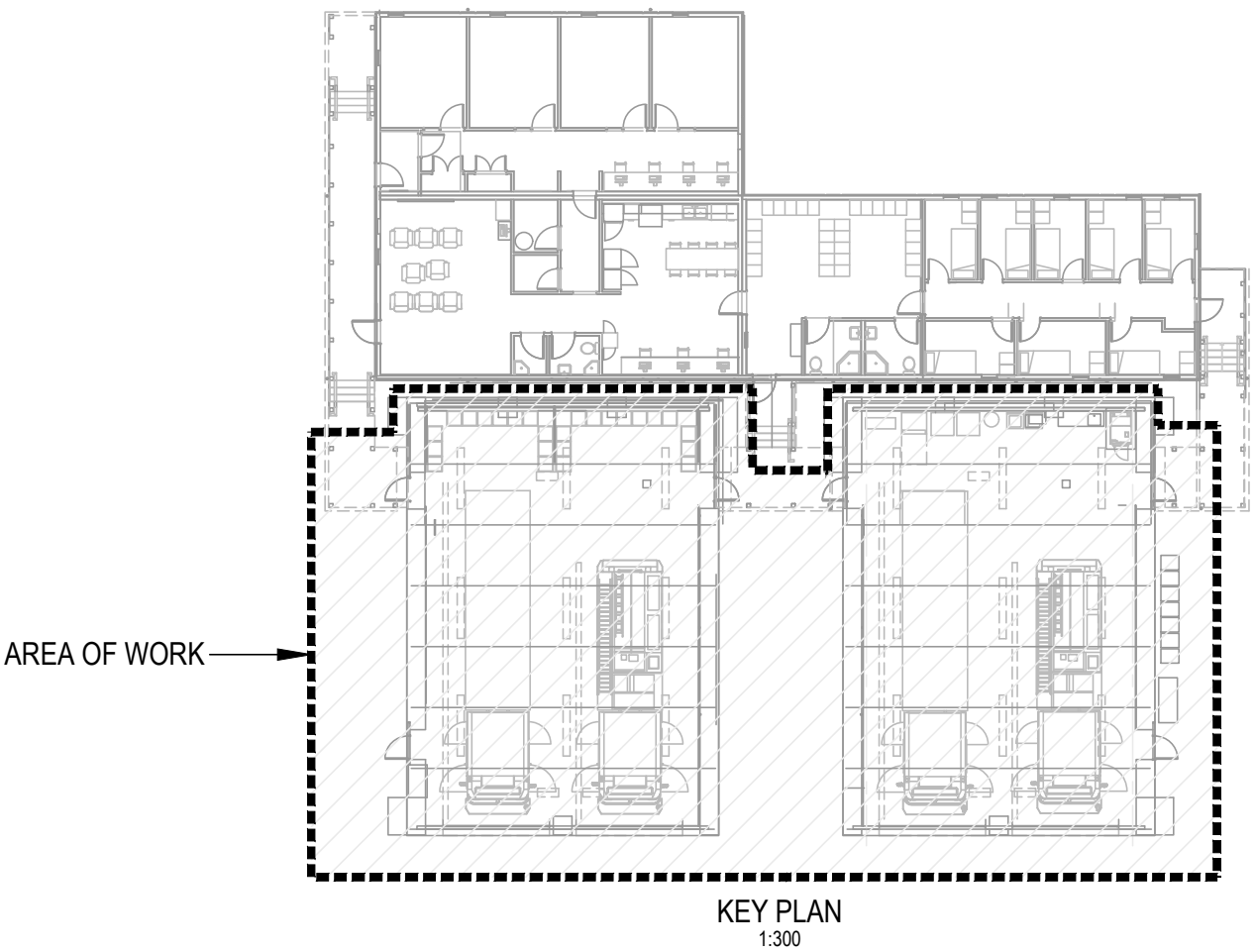


GENERAL NOTES:

- LIGHTING:**
1. PROVIDE 2 DEDICATED 15A, 1P CIRCUITS FOR LIGHTING PER TRUCK SHELTER.
 2. PROVIDE 1 DEDICATED CIRCUIT FOR EXIT SIGNS.
 3. WIRE AND CONNECT SELF-CONTAINED EMERGENCY LIGHTS TO LOCAL AREA LIGHTING CIRCUIT AHEAD OF SWITCH-LEG.
 4. LIGHTING CONTROLS PER ASHRAE-90.1-2016.
 5. PROVIDE GARAGE DOOR TRAFFIC LED STRIP LIGHT, IP68 RATED, DMX CONTROLLED; INTERFACE THE LED TRAFFIC LIGHT WITH GATE OPERATOR TO ACHIEVE THE FOLLOWING SEQUENCE OF OPERATION:
 - i. SOLID RED WHILE THE GARAGE DOOR IS CLOSED.
 - ii. FLASHING RED WHILE THE GARAGE DOOR IS BEING OPENED/CLOSED.
 - iii. SOLID GREEN WHILE THE GARAGE DOOR IS FULLY OPENED.

- POWER:**
1. PROVIDE ONE (1) 20A, 2P CONNECTION FOR GEAR WASHER.
 2. PROVIDE ONE (1) 70A, 3P CONNECTION FOR SCBA FILL STATION.
 3. PROVIDE ONE (1) 20A, 1P CIRCUIT FOR THREE (3) 5-20R CONVENIENCE RECEPTACLES.
 4. PROVIDE CONDUIT ROUGH-INS WHERE INDICATED FOR OWNER SUPPLIED EQUIPMENT.
 5. ALL RECEPTACLES WITHIN 1.5m OF SINK SHALL BE GFCI TYPE.
 6. ALL WIRING TO BE COPPER.
 7. ARMoured CABLING (BX) IS ACCEPTABLE FOR 15A AND 20A CIRCUITS ONLY. ALL CIRCUITS LARGER THAN 30A WILL BE PROVIDED WITH CONDUIT AND WIRE. SIZE CONDUIT AS PER CEC AND APPLY AMPACITY DETRACTION FACTOR WHERE REQUIRED.
 8. PROVIDE 41mm EMT FOR WIRING TO SCBA FILL STATION.
 9. PROVIDE DEDICATED 15A, 1P CIRCUIT FOR NO2/CO SENSORS. REFER TO MECHANICAL DRAWINGS FOR SENSOR LOCATIONS.
 10. SUPPLY AND INSTALL GFI BREAKER FOR ALL HEAT TRACE AS INDICATED ON DRAWINGS.

- LOW VOLTAGE SYSTEMS:**
1. PROVIDE CONDUIT ROUGH-IN TO COMMUNICATIONS ENCLOSURE FOR CEILING PA SPEAKERS.



Project title
EPSB - TEMPORARY FACILITIES

Client
Township of Esquimalt

Site address
1151 ESQUIMALT ROAD, ESQUIMALT

Sheet title
APPARATUS BAY ELECTRICAL LAYOUT

Sheet number
Revision number
3

E2.1

SYMBOLS LEGEND:

	GRID BUBBLE
	BUILDING LEVEL / ELEVATION - ELEVATION OPTIONS FOR PROJECT BASE POINT OR METERS ABOVE SEA LEVEL (MASL)
	SPOT ELEVATION - ELEVATION OPTIONS FOR PROJECT BASE POINT OR METERS ABOVE SEA LEVEL (MASL)
	BUILDING SECTION REFERENCE
	WALL SECTION REFERENCE
	PLAN DETAIL/ CALLOUT REFERENCE
	SECTION DETAIL REFERENCE
	ELEVATION TAG
	INTERIOR ELEVATION TAG
	ROOM NAME AND NUMBER OPTIONAL: AREA
	WALL TAG - REFER TO CONSTRUCTION ASSEMBLIES
	FLOOR TAG - REFER TO CONSTRUCTION ASSEMBLIES
	ROOF TAG - REFER TO CONSTRUCTION ASSEMBLIES
	DOOR TAG - REFER TO DOOR SCHEDULE
	GLAZING TAG - REFER TO GLAZING SCHEDULE
	CEILING TAG - DISPLAYS HEIGHT ABOVE FLOOR LEVEL - REFER TO CONSTRUCTION ASSEMBLIES
	KEYNOTE TAG
	MATERIAL TAG
	MILLWORK TAG
	ACCESSORY TAG (WASHROOM, EQUIPMENT, ETC.) - REFER TO DRAWINGS FOR SCHEDULE
	REVISION TAG - REFER TO PROJECT REVISIONS
	THRESHOLD SYMBOL

ASSEMBLIES LEGEND

	EW1: EXTERIOR WALL 22mm CORRUGATED METAL CLADDING 19mm P.T. VERTICAL STRAPPING @ 400 O.C. 13mm AIR MEMBRANE LAYER 140mm PLYWOOD SHEATHING WOOD STUD WALL @ 400mm O.C. w/ MINERAL WOOL INSULATION TO FILL CAVITY VAPOUR BARRIER MEMBRANE GYPSUM WALL BOARD FINISH, PAINTED
	P1a: INTERIOR WOOD STUD PARTITION WALL 16mm GYPSUM WALL BOARD FINISH, PAINTED 140mm WOOD STUD WALL @ 400mm O.C. 16mm w/ MINERAL WOOL INSULATION TO FILL CAVITY GYPSUM WALL BOARD FINISH, PAINTED
	P1b: INTERIOR WOOD STUD 1HR FR PARTITION WALL 16mm TYPE X GYPSUM WALL BOARD FINISH, PAINTED 140mm WOOD STUD WALL @ 400mm O.C. 16mm w/ MINERAL WOOL INSULATION TO FILL CAVITY TYPE X GYPSUM WALL BOARD FINISH, PAINTED
	P2: INTERIOR WOOD STUD PARTITION WALL 16mm GYPSUM WALL BOARD FINISH, PAINTED 89mm WOOD STUD WALL @ 400mm O.C. 16mm w/ MINERAL WOOL INSULATION TO FILL CAVITY GYPSUM WALL BOARD FINISH, PAINTED
	PF1: INTERIOR WOOD STUD FURRING WALL 16mm GYPSUM WALL BOARD FINISH, PAINTED 140mm VAPOUR BARRIER WOOD STUD WALL @ 400mm O.C. w/ MINERAL WOOL INSULATION TO FILL CAVITY
	C1: ACT CEILING 31mm METAL SUPPORT 16mm 600 X 1200 CEILING TILE

	R1: VENTED ROOF 2 PLY SBS ROOFING MEMBRANE; EXPOSED; 16mm SELF-ADHERED PLYWOOD SUBSTRATE (REFER TO STRUCT. DWGS); JOINTS TAPED; VARIES PRIMED 63+ FURRING TO CREATE 2% ROOF SLOPE VENTED VOID (NOT LESS THAN 63mm AT ANY POINT BETWEEN SHEATHING AND INSULATION) 18" TJI STRUCTURE W/ 300mm FIBERGLASS BATT INSULATION (TO EFFECTIVE RSI 6.91). REFER TO STRUCT. DWGS 6mm CONTINUOUS AIR/VAPOUR BARRIER: POLYETHYLENE SHEET 16mm GYPSUM WALLBOARD
	F1: INSULATED RAISED FLOOR FINISHED FLOOR AS SCHEDULED 19mm PLYWOOD SUBFLOOR 6mm POLY VB WOOD JOISTS SEE STRUCT. DWGS 235mm w/ MINERAL WOOL INSULATION TO FILL CAVITY PLYWOOD SHEATHING, PROVIDE BUG CLOSURE BETWEEN STRIPS AS REQUIRED FOR ADEQUATE VENTILATION OF FLOOR CAVITY

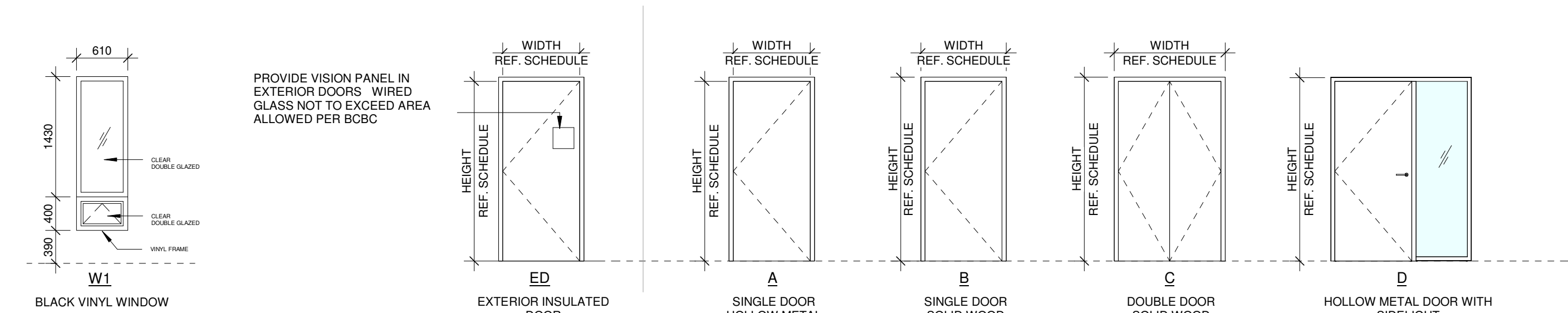
ASSEMBLIES GENERAL NOTES:

- FIRE RATED ASSEMBLIES ('FR' & 'S' TYPE ASSEMBLIES) ARE TO BE BOARDED TO U/S OF STRUCTURAL SLAB WITH APPROVED FIRE STOPPING SYSTEMS TO ALL JOINTS AND PENETRATIONS UNLESS NOTED OTHERWISE
- ACOUSTIC PARTITIONS ('AP' TYPE ASSEMBLIES) ARE TO BE BOARDED TO U/S OF STRUCTURAL SLAB WITH ACOUSTIC SEALANT TO ALL JOINTS AND PENETRATIONS UNLESS NOTED OTHERWISE
- MASONRY WALLS ARE TO EXTEND TO U/S OF STRUCTURAL SLAB WITH DEFLECTION DETAIL UNLESS NOTED OTHERWISE. REFER TO STRUCTURAL DRAWINGS FOR REQUIRED DEFLECTION DIMENSIONS
- PARTITIONS ('P' & 'PF' TYPE ASSEMBLIES) ARE TO BE BOARDED MINIMUM 300mm ABOVE FINISHED CEILING, UNLESS INDICATED WITH *, WHICH DENOTES A REQUIREMENT FOR BOARDING TO U/S OF STRUCTURAL SLAB
- SEE ROOM FINISH SCHEDULE FOR FINISH TYPE
- REFER TO CODE DIAGRAMS FOR REQUIRED FIRE RATINGS OF PARTITIONS

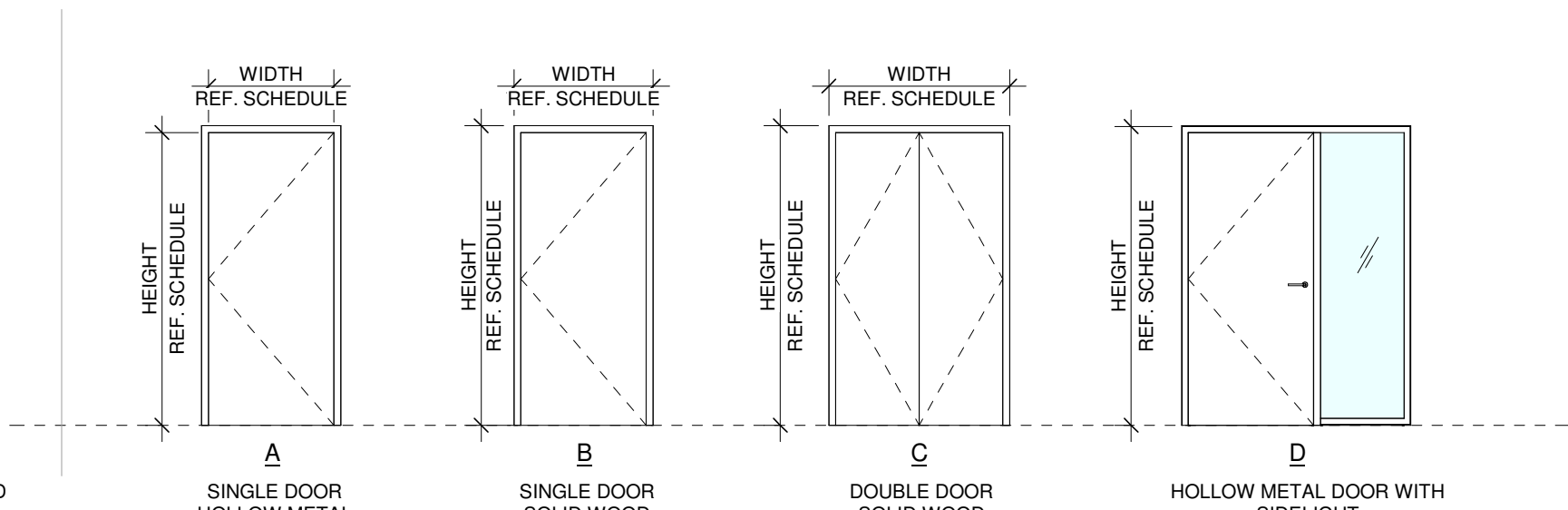
ABBREVIATIONS:

ACCESS. A.C.T. A.D. ADH. A.F.F. AL. or ALUM. ANOD. APPROX. ARCH. ASPH. A.V.B.	ACCESSIBLE ACOUSTIC CEILING TILE AREA DRAIN ADHERE or ADHESIVE ABOVE FINISHED FLOOR ALUMINUM ANODIZED APPROXIMATELY ARCHITECTURAL or ARCHITECT ASPHALT AIR VAPOUR BARRIER	GA. GALV. G.B. G.C. GL. GLAZ. GLULAM GRAN. G.W.B. GYP. GYP.	GAUGE GALVANIZED GLASS GENERAL CONTRACTOR GLASS GLAZED or GLAZING GLUE LAMINATED TIMBER GRANITE GYPSUM BOARD GYPSUM	PERF. PERMEABLE P.L. P.LAM. PL.GL. PLT. PLUMB. PLY. POL. POLY. P.P. PRECAST PREFAB. P.S.F. PRESSURE TREATED PTD. P.T.D. PARTITION PVC PVG.	PERFORATED PERMEABLE PROPERTY LINE PLASTIC LAMINATE PLATE GLASS PLATE PLUMBING PLYWOOD POLISHED POLYURETHANE or POLYETHYLENE POWER POLE PRECAST CONCRETE PREFABRICATED PRESSED STEEL FRAME PRESSURE TREATED PAINTED PAPER TOWEL DISPENSER PARTITION POLYVINYL CHLORIDE PAVING
B.C.S. B.F. B.F.P. B.H. B.H.EAD BLDG. BLKG BOT. B.P.L. BTWN	BABY CHANGE STATION BOTTLE FILLER BARRIER-FREE PUSH BUTTON BORE HOLE BULKHEAD BUILDING BLOCKING BOTTOM BASE PLATE BETWEEN	H H.A.GL. H.B. HDWR. HK. H.M. H.M.L. HOR. H.P. HP EX. H.S.GL. H.S.S. HVAC	HIGH HEAT ABSORBING GLASS HOSE BIBB HARDWARE COAT HOOK HOLLOW METAL HOLLOW METAL INSULATED HORIZONTAL HIGH POINT HANDRAIL EXTENSION HEAT STRENGTHENED GLASS HOLLOW STRUCTURAL SECTION HEATING, VENTILATING, AIR CONDITIONING	R.A. R.C.P. R.D. REC. REFL. REINFOR. REQ or REQ'D RES. REV. RG. RM. R.W.L.	ROOF ANCHOR REFLECTED CEILING PLAN ROOF DRAIN RECESSED REFLECTIVE or REFLECTED REINFORCE or REINFORCED REQUIRED RESILIENT REVISE or REVISION RANGE or OVEN ROOM RAIN WATER LEADER or DOWNSPOUT
C.B. C.G. C.J. C.L. CLG. CLR. CMU COL. CONC. CONT. COORD. OPT. C.T. C.W. CW	CATCH BASIN CORNER GUARD CONTROL JOINT CENTRE LINE CEILING CLEAR CMU COLUMN CONCRETE CONTINUOUS COORDINATE CARPET CERAMIC TILE CURTAIN WALL COMPLETE WITH	K.P. L. LAM. MAX. M.D.F. MECH. MEMB. MFR. MR. MIN. MIR. MISC. MTD. MTL. MW. MW	KICK PLATE LONG or LENGTH LAMINATE or LAMINATED MAXIMUM MEDIUM DENSITY FIBERBOARD MECHANICAL MEMBRANE MANUFACTURER MANHOLE MINIMUM MIRROR MISCELLANEOUS MOUNTED METAL MILLWORK MICROWAVE	S.A.M. SCHED. SECT. S.GL. SIM. S.O.G. SPAN. SPEC. S.S. S.S.G. S.T.C. STL. STR. SUSP.	SELF-ADHERED MEMBRANE SCHEDULE SECTION SAFETY GLASS SIMILAR SLAB ON GRADE SPANDREL SPECIFICATION STAINLESS STEEL STRUCTURAL SILICONE GLAZING SOUND TRANSMISSION COEFFICIENT STEEL STAIR STRUCTURAL SUSPEND or SUSPENDED
D DEMO D.F. DIA or DIAM. DIM. DN. D.B.L. D/PROOF DR. DW. DWG.	DEEP DEMOLISH or DEMOLITION DRINKING FOUNTAIN DIAMETER DIMENSION DOWN DOUBLE GLAZED DAMP PROOFING or DAMP PROOF DOOR DISHWASHER DRAWING	N.I.C. NO. NOM. N.S. N.T.S. O.C. O.D. OH OHANG OPNL. OPP. O/S OWSJ	NOT IN CONTRACT NUMBER NOMINAL NOT TO SCALE ON CENTRE OUTSIDE DIAMETER OVERHANG or OVERHEAD OVERHANG OPENING OPPOSITE OUTSIDE OPEN WEB STEEL JOIST	U.N.O. U/S U/S/D V.B. VERT. V.I.F.	UNLESS NOTED OTHERWISE UNDERSIDE UNDERSIDE OF DECK VAPOUR RETARDER VERTICAL VERIFY IN FIELD
E.A. E.J. EL. ELEC. ELEV. EQ. E.W.S. EXIST. EXT. EXTR.	EACH EXPANSION JOINT ELEVATION ELECTRICAL ELEVATION or ELEVATOR EQUAL EYE WASH STATION EXISTING EXTERIOR EXTRUDED or EXTRUSION	F.A. F.A.A.P. F.D. F.D.C. F.E. F.F. F.F.P. F.H.C. FIN. FLASH FLR. F.P. F/PROOF F.R.R. FR. F.S. FTG.	FIRE ALARM FIRE ALARM ANNUNCIATOR PANEL FLOOR DRAIN FIRE DEPARTMENT CONNECTION FIRE EXTINGUISHER FINISH FLOOR FIREFIGHTER'S PHONE FIRE HOSE CABINET FINISH FLASHING FLOOR FIRE PULL FIRE RESISTIVE FIRE RESISTANCE RATING REFRIGERATOR FLOOR STOP FOOTING	W WITH WC WD. WD W/OUT W/PROOF W/STRIP	TRENCH DRAIN TEMP. or TEMPERED TILE THERMAL BARRIER TOP OF TOP OF CONCRETE TOP OF PARAPET TOP OF ROOF TOP OF WALL TYPICAL

WINDOW TYPES



DOOR TYPES



PROJECT GENERAL NOTES:

- DO NOT SCALE DRAWINGS. LARGER SCALE DRAWINGS TAKE PRECEDENCE OVER SMALLER SCALE DRAWINGS.
- INTERIOR DIMENSIONS ARE TAKEN TO THE CENTRE LINE OF WALLS. EXTERIOR DIMENSIONS ARE TAKEN TO THE EXTERIOR FACE OF STUD. DIMENSION OF CONCRETE OR MASONRY COMPONENTS ARE TAKEN TO THE FACE OF CONCRETE OR MASONRY.
- PLAN DIMENSIONS SET WITHIN +/- 5 mm TOLERANCE.
- INTERIOR FIRE-RATED WALLS ARE TO BE CONSTRUCTED FOR THEIR FULL HEIGHT AS A CONTINUOUS SEPARATION.
- CONTRACTOR SHALL CHECK DIMENSIONS, AND CONFIRM PROPERTY LINE BEARINGS AND DIMENSIONS WITH THE LEGAL SURVEY.
- BEFORE LAYING OUT WORK, SUBCONTRACTORS SHALL VERIFY DIMENSIONS SHOWN ON THE DRAWINGS, AND SITE-VERIFY BUILT CONDITIONS. SUBCONTRACTORS SHALL BE RESPONSIBLE FOR ERRORS RESULTING FROM FAILURE TO VERIFY.
- COMMENCEMENT OF CONSTRUCTION SHALL CONSTITUTE ACCEPTANCE OF CONDITIONS AS SATISFACTORY.
- IN CASE OF DISCREPANCIES DISCOVERED BY THE CONTRACTOR OR SUBCONTRACTORS, COORDINATING REGISTERED PROFESSIONAL SHALL BE NOTIFIED BEFORE WORK CAN COMMENCE.
- CHANGES TO THE WORK SHALL BE APPROVED BY CONSULTANTS PRIOR TO EXECUTION OF THE WORK. DO NOT PROCEED UNTIL APPROVED.
- CONTRACTOR SHALL MAINTAIN ON SITE A SET OF CONSTRUCTION DOCUMENTS FOR NOTATIONS INDICATING CHANGES FROM THE APPROVED I.F.C. SET FOR USE BY CONSULTANTS IN PREPARATION OF A 'RECORD SET'.
- ON COMPLETION OF WORK, CONTRACTOR SHALL PROVIDE TO THE COORDINATING REGISTERED PROFESSIONAL THE APPROVED BUILDING PERMIT DRAWINGS TOGETHER WITH MARKED-UP I.F.C. SITE SET OF CONSTRUCTION DOCUMENTS, CLEARLY NOTING ADDITIONAL INFORMATION TO FULLY DESCRIBE AS-BUILT CHANGES TO I.F.C. DOCUMENTS.

Project title
EPSB - TEMPORARY FACILITIES

Client
Township of Esquimalt
Site address
1151 ESQUIMALT ROAD, ESQUIMALT

Sheet title
GENERAL NOTES, ASSEMBLIES AND SCHEDULES

FIRE RESISTANCE RATING LEGEND:

1 HR	-----
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MGM Mechanical Ltd.
As Built Drawings July 27, 2022

DOOR SCHEDULE - OVERHEAD DOORS

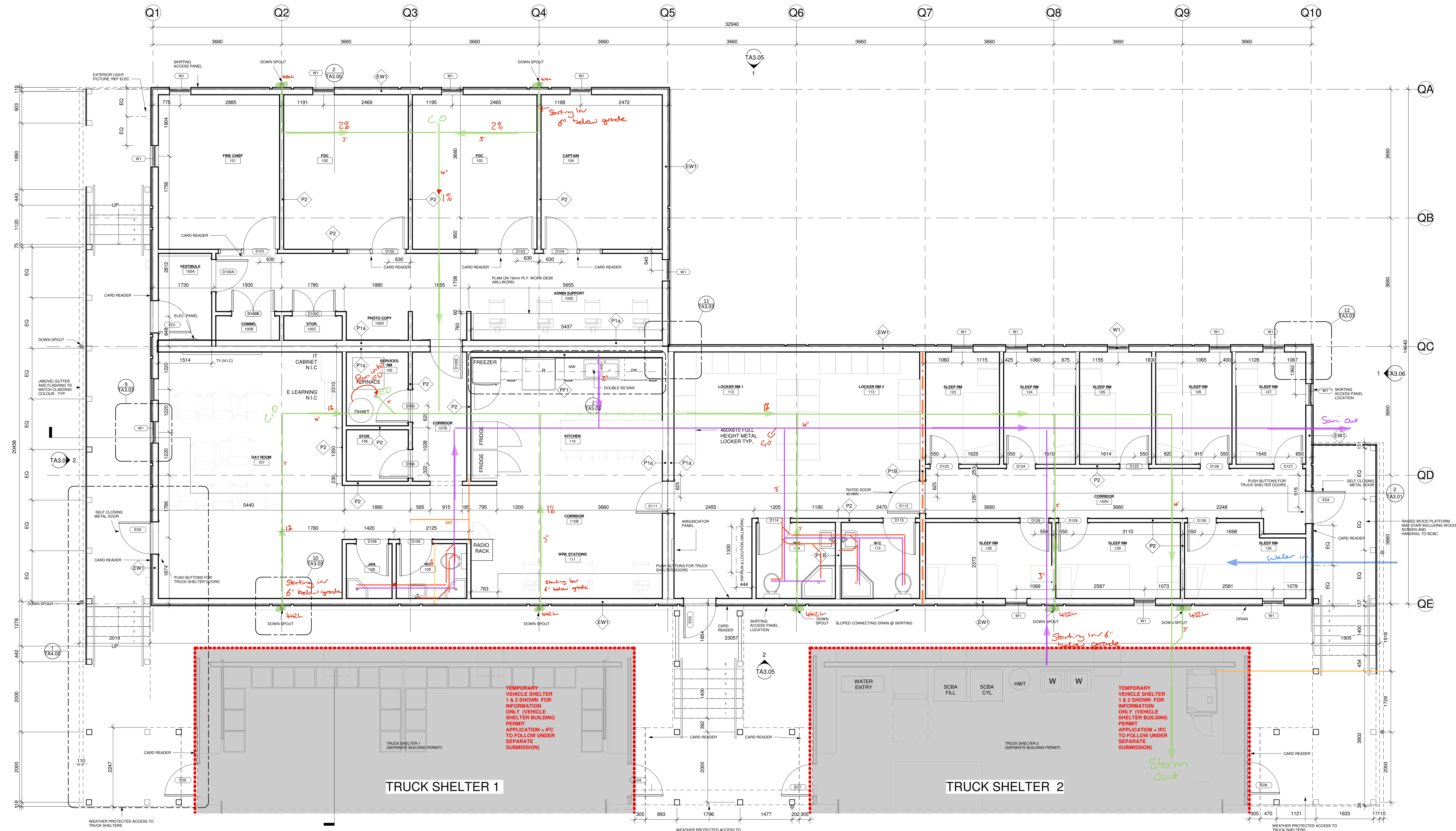
DOOR #	HEIGHT	WIDTH	DOOR PANEL			DOOR FRAME	
			THICKNESS	MATERIAL	FINISH	MATERIAL	FINISH
OH1	4267.20	4267.20		STL	WHITE	STL	WHITE
OH2	4267.20	4267.20		STL	WHITE	STL	WHITE
OH3	4267.20	4267.20		STL	WHITE	STL	WHITE
OH4	4267.20	4267.20		STL	WHITE	STL	WHITE

DOOR SCHEDULE - FH INTERIOR

DOOR #	TYPE	DOOR PANEL				DOOR FRAME		AAOS Project Door Undercut	Fire Rating	Security	Kick Plate	HARDWARE GROUP
		HEIGHT	WIDTH	THICKNESS	MATERIAL	FINISH	MATERIAL	FINISH				
D100A	B	2135.00	915.00	44.00	HM	PT-3	HM	PT-3			Yes	3.0
D100B	C	2135.00	1219.20	44.00	WD	PT-3	HM	PT-3			Yes	4.0
D100C	C	2135.00	1219.20	44.00	WD	PT-3	HM	PT-3			Yes	5.0
D100E	B	2135.00	915.00	44.00	HM	PT-3	HM	PT-3			Yes	3.0
D101	D	2135.00	915.00	45.00	HM / GL	PT-3	HM	PT-3	1/2"	CARD READER	No	6.0
D102	D	2135.00	915.00	45.00	HM / GL	PT-3	HM	PT-3	1/2"	CARD READER	No	6.0
D103	D	2135.00	915.00	45.00	HM / GL	PT-3	HM	PT-3	1/2"	CARD READER	No	6.0
D104	D	2135.00	915.00	45.00	HM / GL	PT-3	HM	PT-3	1/2"	CARD READER	No	6.0
D105	B	2135.00	915.00	44.00	WD	PT-3	HM	PT-3			Yes	7.0
D106	B	2135.00	815.00	44.00	WD	PT-3	HM	PT-3			No	7.0
D108	B	2135.00	915.00	44.00	WD	PT-3	HM	PT-3			Yes	3.0
D109	B	2135.00	915.00	44.00	WD	PT-3	HM	PT-3			Yes	8.0
D111	A	2135.00	915.00	44.00	HM	PT-3	HM	PT-3			Yes	9.0
D113	A	2135.00	915.00	44.00	HM	PT-3	HM	PT-3			Yes	12.0
D114	B	2135.00	915.00	44.00	WD	PT-3	HM	PT-3			Yes	8.0
D115	B	2135.00	915.00	44.00	WD	PT-3	HM	PT-3			Yes	8.0
D123	B	2135.00	815.00	44.00	WD	PT-3	HM	PT-3	1/2"		No	10.0
D124	B	2135.00	815.00	44.00	WD	PT-3	HM	PT-3	1/2"		No	10.0
D125	B	2135.00	815.00	44.00	WD	PT-3	HM	PT-3	1/2"		No	10.0
D126	B	2135.00	815.00	44.00	WD	PT-3	HM	PT-3	1/2"		No	10.0
D127	B	2135.00	815.00	44.00	WD	PT-3	HM	PT-3	1/2"		No	10.0
D128	B	2135.00	815.00	44.00	WD	PT-3	HM	PT-3	1/2"		No	10.0
D129	B	2135.00	815.00	44.00	WD	PT-3	HM	PT-3	1/2"		No	10.0
D130	B	2135.00	815.00	44.00	WD	PT-3	HM	PT-3	1/2"		No	10.0

DOOR SCHEDULE - FH EXTERIOR

DOOR #	TYPE	DOOR PANEL				DOOR FRAME		Security	Kick Plate	HARDWARE GROUP
		HEIGHT	WIDTH	THICKNESS	MATERIAL	FINISH	MATERIAL	FINISH		
ED1	ED	2135.00	915.00	44.00	HMI	PT-3	HM	PT	CARD READER	Yes 1.0
ED2	ED	2135.00	915.00	44.00	HMI	PT-3	HM	PT	CARD READER	Yes 11.0
ED3	ED	2135.00	915.00	44.00	HMI	PT-3	HM	PT	CARD READER	Yes 11.0
ED4	ED	2135.00	915.00	44.00	HMI	PT-3	HM	PT	CARD READER	Yes 11.0
ED5	ED	2135.00	915.00	44.00	HMI	PT-3	HM	PT	CARD READER	Yes 1.0
ED6	ED	2135.00	915.00	44.00	HMI	PT-3	HM	PT	CARD READER	Yes 1.0
ED7	ED	2135.00	915.00	44.00	HMI	PT-3	HM	PT	CARD READER	Yes 1.0
ED8	ED	2135.00	915.00	44.00	HMI	PT-3	HM	PT	CARD READER	Yes 1.0
ED9	ED	2135.00	915.00	44.00	HMI	PT-3	HM	PT	CARD READER	Yes 2.0
ED10	ED	2135.00	915.00	44.00	HMI	PT-3	HM	PT	CARD READER	Yes 2.0



MGM Mechanical Ltd.
As Built Drawings July 27, 2022

NOTE: EXISTING / OWNER SUPPLIED AND TO BE RELOCATED TO TEMP HALL

KITCHEN:

RANGE 3' X 4' X 3'
D/W 28" X 31" X 67"
FRIDGES 28" X 31" X 67"
FREEZER 28" X 31" X 67"
MICROWAVE

NON GEAR CREW LOCKERS
BEDS
NEDERMAN SYSTEM
LOOSE FURNITURE (office desks, chairs, file cabinets, lounge seating, dining table and chairs)

1HR FIRE
RESISTANCE RATING

Project title
**EPSB - TEMPORARY
FACILITIES**

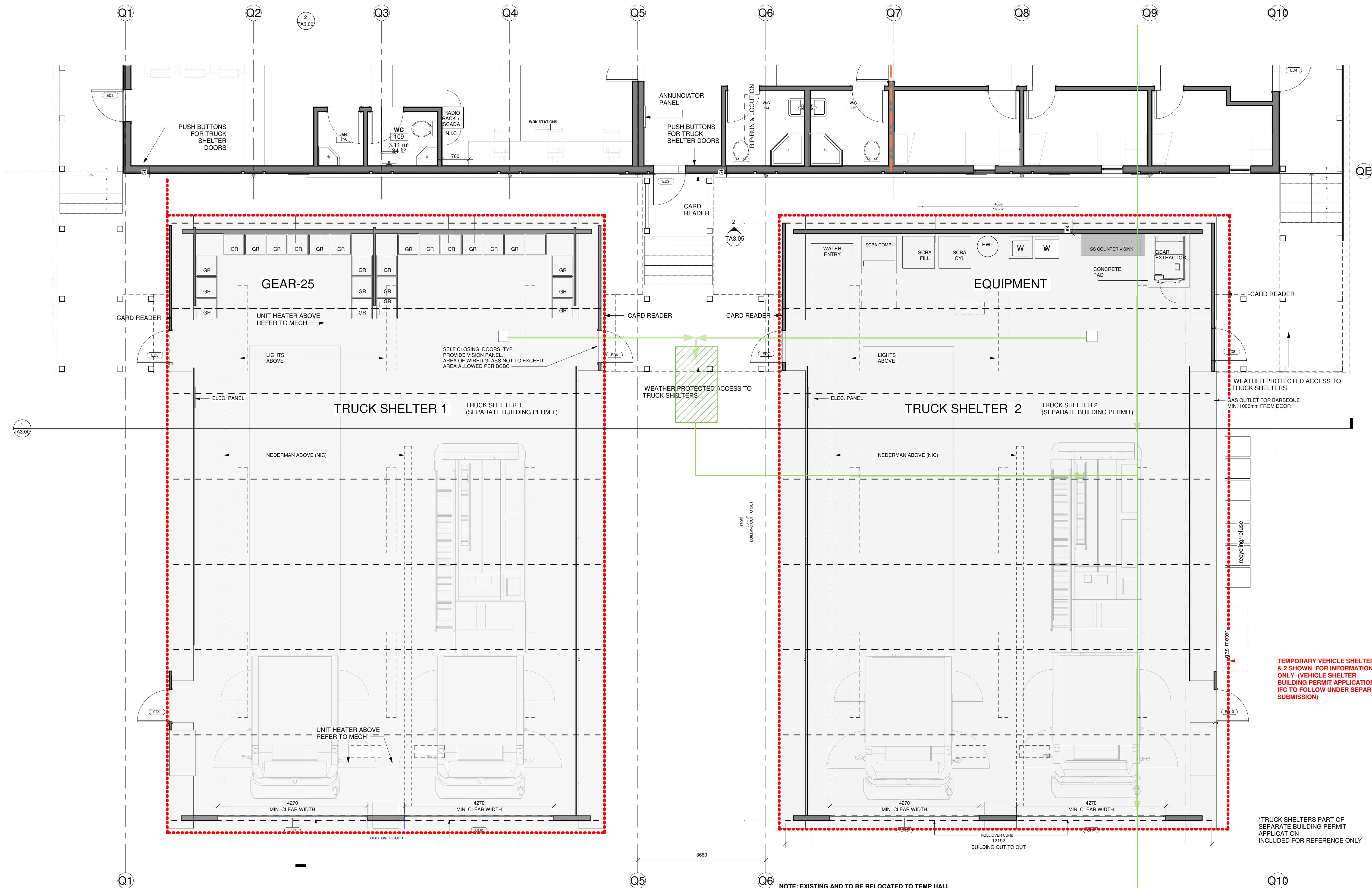
Client
Township of Esquimalt

Site address
1151 ESQUIMALT ROAD, ESQUIMALT

Sheet title
**OFFICES /
SUPPRESSION - LEVEL
1 PLAN**

Sheet number PM vision number 2

TA2.00



TEMPORARY VEHICLE SHELTER 1 & 2 SHOWN FOR INFORMATION ONLY (VEHICLE SHELTER BUILDING PERMIT APPLICATION + IFC TO FOLLOW UNDER SEPARATE SUBMISSION)

*TRUCK SHELTERS PART OF SEPARATE BUILDING PERMIT APPLICATION INCLUDED FOR REFERENCE ONLY

NOTE: EXISTING AND TO BE RELOCATED TO TEMP HALL
KITCHEN:
RANGE
D/W
FRIDGES
FREEZER
MICROWAVE
NON GEAR CREW LOCKERS
BEDS
NEDERMAN SYSTEM
LOOSE FURNITURE (office desks, chairs, file cabinets, lounge seating, dining table and chairs)
OWNER SUPPLIED, TRANSPORTED AND INSTALLED BY CONTRACTOR, REMOVED BY CONTRACTOR

1HR FIRE RESISITANCE RATING

1 LEVEL 1 - TRUCK SHELTERS
1:50

MGM Mechanical Ltd.
As Built Drawings July 27, 2022

Project title
EPSB - TEMPORARY FACILITIES

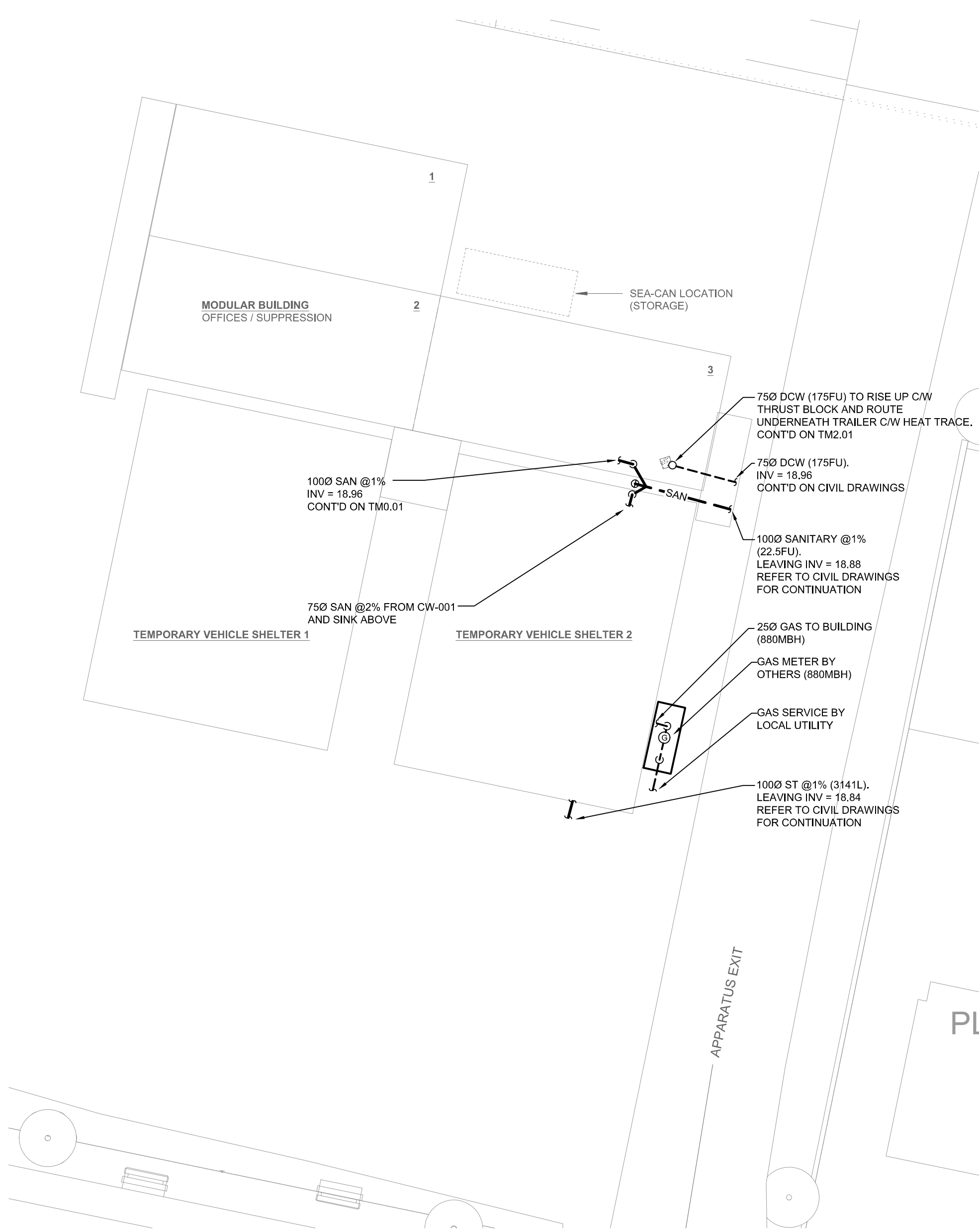
Client
Township of Esquimalt

Site address
1151 ESQUIMALT ROAD, ESQUIMALT

Sheet title
VEHICLE SHELTERS PLAN

Sheet number PMvision number 2

TA2.02



01
M0.01

TEMP. FIREHALL SITE PLAN

SCALE: 1:200

BUILDING LOADS				
DESCRIPTION	TOTAL LOAD	UNITS	PIPE SIZE (MM)	NOTES
GAS	880	MBH	250	3
FIRE PROTECTION				
SANITARY	27.5	FU	1000 @1%	
STORM	3141	L	1000 @1%	4
DOMESTIC WATER	175	FU	500	1,2

NOTES:

- DOMESTIC WATER IN WATER ENTRY ROOM AND SERVING FIXTURES IN BUILDING SIZED TO ASPE UNIFORM PRESSURE LOSS METHOD, BASED ON MAXIMUM 5FT/S USING COPPER PIPE UNLESS NOTED OTHERWISE.
- DOMESTIC WATER SERVICE SIZED TO ASPE UNIFORM PRESSURE LOSS METHOD, BASED ON MAXIMUM 8FT/S USING PVC OR DUCTILE IRON PIPE
- PIPE SIZE BASED ON SCH. 40 PIPE WITH SUPPLY PRESSURE OF 2PSI AND A PRESSURE DROP OF 1 PSI AND MAXIMUM RUN LENGTH OF 250FT
- STORM LOAD BASED ON 9MM/15MIN RAINFALL INTENSITY

PLUMBING FIXTURE SPECIFICATIONS	
SK-001: FRANKIE COMMERCIAL #LBS7310P-1/3 SINGLE BOWL COUNTERTOP MOUNT SINK, 3 HOLES, 203MM (8") CENTRE, 560MM (22-1/8") x 651MM (25-5/8") x 254MM (10") DEEP, BACKEDGE, GRADE 18-10, 18 GAUGE (1.2MM) TYPE 304 STAINLESS STEEL, SELF-RIMMING, EXPOSED SURFACES #4 SATIN FINISHED, UNDERCOATED TO REDUCE CONDENSATION AND RESONANCE, C/W 3-1/2" CRUMP CUP STRAINER WASTE FITTING, FACTORY APPLIED RIM SEAL, CUTOUT TEMPLATE, CHICAGO FAUCETS #1100-0NMAE317XKABCP, TWO HANDLE FAUCET, CHROME PLATED, 203MM (8") CENTERSET, LEAD FREE CAST BRASS BODY, 1/4 TURN CERAMIC DISC VALVE CARTRIDGES, 9.3LPM (2.3GPM) PRESSURE COMPENSATING SOFTFLO AERATOR OUTLET, 203MM (8") PROJECTION RIGID/SWING GOOSENECK SPOUT, 102MM (4") METAL VANDAL PROOF WRISTBLADE HANDLES WITH BLUE AND RED INDEX BUTTONS.	
LAWLER #TMM-1070, POINT OF USE MECHANICAL WATER MIXING VALVE, BRONZE BODY, TEMPERATURE ADJUSTING DIAL, 10MM (3/8") INLET AND OUTLET COMPRESSION FITTINGS, HIGH TEMPERATURE THERMOSTATIC LIMIT STOP, SHUT-OFF WITH AUTOMATIC RESET WHEN TEMPERATURE EXCEEDS 48.8C (120F), INTEGRAL CHECKS, OFFER TEMPERATURE RANGE FROM FULL COLD THROUGH 48C (114.8F).	
MCGUIRE #LFH170BV, FAUCET SUPPLIES, CHROME PLATED POLISHED BRASS, COMMERCIAL DUTY 1/4 TURN BALL VALVE ANGLE STOPS, 13MM (1/2") I.D. INLET x 127MM (5") HORIZONTAL EXTENSION TUBES, COMBINATION V.P. LOOSE KEY HANDLE, ESCUTCHEON AND FLEXIBLE COPPER RISER, PROVIDE P-TRAP, ADJUSTABLE ALL METAL CONSTRUCTION, 38MM (1-1/2") SIZE, AND ESCUTCHEON.	
CW-001: NON-FIRE RATED WASHING MACHINE OUTLET BOX: OATEY METAL WASHING MACHINE OUTLET BOX, C/W HOT AND COLD SHUTOFFS, ENCLOSURE, AND MOUNTING BRACKETS.	
AD-001: WATTS MODEL FD-490-F-4-6, PARKING STRUCTURE DRAIN, OVEN CURED EPOXY COATED CAST IRON BODY WITH TOP MEMBRANE CLAMPING FLANGE, ANTI-PONDING DEVICE, ALUMINUM SEDIMENT BUCKET AND HEAVY DUTY DUCTILE IRON SECURED SELF-CLOSING HINGED GRATE, NON-SHEARING STAINLESS STEEL HINGE PINS.	
FD-001: HEAVY DUTY COATED CAST IRON ROUND STRAINER, 125MM (5") DIAMETER	

MECHANICAL SYMBOL SCHEDULE			
PIPING		SYSTEM MONITORING	
NEW	—	NEW	THERMOSTAT
	—	①	CARBON MONOXIDE SENSOR
	—	②	PRESSURE GAUGE
	—	③	TEMPERATURE GAUGE
	—	④	
	—	⑤	
	—	⑥	
	—	⑦	
	—	⑧	
	—	⑨	
FITTINGS AND VALVES		DUCTWORK	
NEW	—	—	EXHAUST AIR DUCT UP
	—	—	EXHAUST AIR DUCT DOWN
	—	—	BALANCING DAMPER (BD)
	—	—	BACKDRAFT DAMPER (BDD)
	—	—	
	—	—	
	—	—	
	—	—	
	—	—	
	—	—	
FIRE PROTECTION		EQUIPMENT TAGS	
NEW	—	—	EQUIPMENT / FIXTURE TYPE
	—	—	GENERAL NOTE
	—	—	DRAWING REVISION
	—	—	DETAIL NUMBER
	—	—	DRAWING NUMBER
	—	—	
	—	—	
	—	—	
	—	—	
	—	—	
OUTLETS AND DRAINS			
NEW	—	—	HOSE-BIBB (HB)
	—	—	FLOOR DRAIN (FD)

MECHANICAL DRAWING LIST		
DRAWINGS NO.	DESCRIPTION	SCALE
TM0.01	TEMP. FIRE HALL COVERSHEET AND SITE PLAN	AS NOTED
TM0.02	TEMP. FIRE HALL MECHANICAL SCHEDULES	NTS
TM0.03	TEMP. FIRE HALL MECHANICAL SPECIFICATIONS	NTS
TM2.01	TEMP. FIRE HALL LEVEL 1 PLAN	AS NOTED
TM2.02	TEMP. FIRE HALL TRUCK SHELTERS PLAN	AS NOTED
TM4.01	TEMP. FIRE HALL LEVEL 1 HVAC PLAN	AS NOTED

SITE SERVICE NOTES:	
REPORT TO THE ENGINEER ANY DISCREPANCIES WHICH WILL PREVENT THE WORK FROM BEING INSTALLED AS SHOWN. ON-SITE SERVICES (NEW).	
PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL EXERCISE PROPER PRECAUTIONS TO VERIFY THE ROUTING, INVERT LEVELS AND SLOPES SHOWN ON THE DRAWING AND BE RESPONSIBLE FOR ERRORS AND ALL EXTRA COSTS OF EXTRA WORK RESULTING FROM FAILURE TO EXERCISE SUCH PRECAUTIONS. RIM ELEVATIONS SHOWN FOR REFERENCE ONLY. REFER TO ARCH. DWGS. FOR FINAL GRADES.	

MECHANICAL ABBREVIATIONS			
AFF	ABOVE FINISHED FLOOR	MBH	1000 BRITISH THERMAL UNITS/HR
BDD	BACKDRAFT DAMPER	MECH	MECHANICAL
BFP	BACKFLOW PREVENTER	MIN	MINIMUM
BTUH	BRITISH THERMAL UNIT / HOUR	NIC	NOT IN CONTRACT
CO	CLEANOUT	NG	NATURAL GAS
C/W	COMPLETE WITH	NC	NOISE CRITERIA/NORMALLY CLOSED
CONT	CONTINUATION	NO	NORMALLY OPEN
DCW	DOMESTIC COLD WATER	PRV	PRESSURE REDUCING VALVE
DHW	DOMESTIC HOT WATER	PSI	POUNDS PER SQUARE INCH
DN	DOWN	SK	SINK DRAIN ABOVE
E/A	EXHAUST AIR	SPEC	SPECIFICATION
FE	FIRE EXTINGUISHER	TYP	TYPICAL
HB	HOSE BIBB	W	WATER MAIN
KW	KILOWATT		
MAX	MAXIMUM		

MECHANICAL MOTORLIST																								
UNIT NUMBER	QTY	UNIT DESCRIPTION	UNIT LOCATION	ELECTRICAL LOAD				VOLT	PH	EQUIPMENT			STARTER			DISCONNECT			CONTROL				NOTES	
				MCA	FLA	KW	HP			S	I	C	S	I	C	TYPE	S	I	C	S	I	C	TYPE	
DOMESTIC WATER HEATERS																								
DWH-001	1	GAS FIRED DOMESTIC WATER HEATER	SPRINKLER/BOILER ROOM - 105				FRAC	120	1	M	M	E	M	M	M	INT	E	E	E	M	M	M	ASTAT	
DWH-002	1	ELECTRIC DOMESTIC WATER HEATER	TRUCK SHELTER 2			6		240	1	M	M	E	M	M	M	INT	E	E	E	M	M	M	ASTAT	
UNIT HEATERS																								
UH-001	1	GAS FIRED UNIT HEATER	TRUCK SHELTER 1				FRAC	120	1	M	M	E	M	M	M	INT	E	E	E	M	M	M	T	
UH-002	1	GAS FIRED UNIT HEATER	TRUCK SHELTER 1				FRAC	120	1	M	M	E	M	M	M	INT	E	E	E	M	M	M	T	
UH-003	1	GAS FIRED UNIT HEATER	TRUCK SHELTER 1				FRAC	120	1	M	M	E	M	M	M	INT	E	E	E	M	M	M	T	
UH-004	1	GAS FIRED UNIT HEATER	TRUCK SHELTER 2				FRAC	120	1	M	M	E	M	M	M	INT	E	E	E	M	M	M	T	
UH-005	1	GAS FIRED UNIT HEATER	TRUCK SHELTER 2				FRAC	120	1	M	M	E	M	M	M	INT	E	E	E	M	M	M	T	
UH-006	1	GAS FIRED UNIT HEATER	TRUCK SHELTER 2				FRAC	120	1	M	M	E	M	M	M	INT	E	E	E	M	M	M	T	
HEAT TRACE																								
		HEAT TRACING DOMESTIC WATER PIPING	REFER TO DRAWINGS					120	1	M	M	E	E	E	E	-	-	-	-	E	E	E	-	1
MISCELLANEOUS																								
		COIN02 SENSORS	REFER TO DRAWINGS					120	1	M	M	E	-	-	-	-	-	-	-	-	-	-	-	2
HEATING COILS																								
RHC-001	1	SUPPLY OFFICE SPACE	CORRIDOR				3	120	1	M	M	E	E	E	E	HOA	E	E	E	M	M	M	T	3
RHC-002	1	SUPPLY BEDROOMS	CORRIDOR				3	120	1	M	M	E	E	E	E	HOA	E	E	E	M	M	M	T	3
RHC-003	1	SUPPLY OFFICE SPACE	OFFICE				4	120	1	M	M	E	E	E	E	HOA	E	E	E	M	M	M	T	3
FANS																								
SF-1	1	SUPPLY OFFICE SPACE	CORRIDOR				FRAC	120	1	M	M	E	M	M	M	INT	E	E	E	M	M	M	TC	
SF-2	1	SUPPLY BEDROOMS	CORRIDOR				FRAC	120	1	M	M	E	M	M	M	INT	E	E	E	M	M	M	TC	
SF-3	1	SUPPLY OFFICE SPACE	OFFICE				FRAC	120	1	M	M	E	M	M	M	INT	E	E	E	M	M	M	TC	
EF-1	1	OFFICE BREAKROOM EXHAUST	ROOF				FRAC	120	1	M	M	E	M	M	M	INT	E	E	E	M	M	M	TC	
EF-2	1	BATHROOM EXHAUST	ROOF				FRAC	120	1	M	M	E	M	M	M	INT	E	E	E	M	M	M	TC	
EF-3	1	BATHROOM EXHAUST	ROOF				FRAC	120	1	M	M	E	M	M	M	INT	E	E	E	M	M	M	TC	
EF-4	1	SERVICE ROOM	ROOF				FRAC	120	1	M	M	E	M	M	M	INT	E	E	E	M	M	M	TC	
SUPPLIER/INSTALL WIRE CODES:																								
MECH = MECHANICAL																								
ELEC = ELECTRICAL																								
G = GENERAL CONTRACTOR																								
S = SUPPLIED BY																								
I = INSTALLED BY																								
C = CONNECTED BY																								
STARTER CODES:																								
MAN = MANUAL STARTER																								
HOA = MAGNETIC STARTER W/ HAND/OFF/AUTO SWITCH W/ AUX. CONTACTS																								
PCS = PACKAGED CONTROL SYSTEM																								
VFD = VARIABLE FREQUENCY DRIVE																								
WS = WALL SWITCH																								
CP = CONTROL PANEL																								
CONTROL DEVICE CODES:																								
ASTAT = CONTROLLED BY AQUASTAT																								
BMS = BLDG MANAGEMENT SYSTEM																								
CO = COIN02 SENSOR																								
FA = FIRE ALARM																								
FAP = FIRE ALARM PANEL																								
FS = FLOW SWITCH																								
H = HUMIDITY SENSOR																								
I = INTERLOCK. SEE NOTES																								
OS = OCCUPANT SENSOR																								
PS = PRESSURE SWITCH																								
RSTAT = REVERSE ACTING THERMOSTAT																								
TC = TIME CLOCK																								
T = PROGRAMMABLE THERMOSTAT																								
TS = TAMPER SWITCH																								
VS = VARIABLE SPEED SWITCH																								
WS = WALL SWITCH																								
ELECTRICAL LOAD CODES:																								
BHP = BREAK HORSEPOWER																								
DVP = DELAYED VITAL POWER																								
CP = CONDITIONAL POWER																								
NP = NORMAL POWER																								
EMERGENCY POWER CODES:																								
VVP = VITAL POWER																								
NOTES:																								
1. FOR HEAT TRACING, REFER TO MECHANICAL/ELECTRICAL DRAWINGS AND DETAILS FOR FURTHER INFORMATION.																								
2. INTERLOCKED EXHAUST FAN IN TRUCK SHELTERS WITH CO SENSORS																								
3. REMOTE DUCT MOUNTED THERMOSTAT																								

UNIT HEATER (GAS FIRED)											
EQUIPMENT TAG	QTY	SERVICE	LOCATION	MANUFACTURER	TYPE	MOUNTING TYPE	MODEL	AIR FLOW (LPS)	HGT CAP (KW)	OP WEIGHT (KG)	NOTES
UH-001	1	TRUCK SHELTER 1	TRUCK SHELTER 1	TRANE	GAS FIRED	CEILING SUSPENDED	GTNE-007	434	22	39	ALL
UH-002	1	TRUCK SHELTER 1	TRUCK SHELTER 1	TRANE	GAS FIRED	CEILING SUSPENDED	GTNE-007	434	22.0	39	ALL
UH-003	1	TRUCK SHELTER 1	TRUCK SHELTER 1	TRANE	GAS FIRED	CEILING SUSPENDED	GTNE-007	434	22.0	39	ALL
UH-004	1	TRUCK SHELTER 2	TRUCK SHELTER 2	TRANE	GAS FIRED	CEILING SUSPENDED	GTNE-007	434	22.0	39	ALL
UH-005	1	TRUCK SHELTER 2	TRUCK SHELTER 2	TRANE	GAS FIRED	CEILING SUSPENDED	GTNE-007	434	22.0	39	ALL
UH-006	1	TRUCK SHELTER 2	TRUCK SHELTER 2	TRANE	GAS FIRED	CEILING SUSPENDED	GTNE-007	434	22.0	39	ALL
NOTES: 1 POWER VENTED UNIT 2 TWO STAGE BURNER MODULATION 3 LOW-VOLTAGE THERMOSTAT 4 SIDEWALL VENT AND COMBUSTION AIR TERMINATION 5 REFER TO SPECIFICATIONS FOR FURTHER REQUIREMENTS.											

EXPANSION TANK												
EQUIPMENT TAG	LOCATION	TANK DESCRIPTION	TYPE	MANUFACTURER	MODEL	VOLUME (L)	TANK DIAMETER (MM)	TANK LENGTH (MM)	BLADDER PRE-CHARGE (KPA)	MAX WORKING PRESS. (KPA)	ARRANGEMENT	NOTES
ET-001	SPRINKLER/BOILER ROOM -105	EXPANSION TANK	DIAPHRAGM	AMTROL	ST-12C	24.2	305	355	380	1,034	VERTICAL	ALL
ET-002	TRUCK SHELTER 2	EXPANSION TANK	DIAPHRAGM	AMTROL	ST-5C	8.0	255	255	380	1,034	VERTICAL	ALL
NOTES:												
1	FIXED BLADDER (FDA APPROVED HEAVY DUTY BUTYL) TANK SUITABLE FOR DOMESTIC USE											
2	STAINLESS STEEL CONNECTOR											
3	CORROSION PROOF LINER											
4	TANK TO BE ASME RATED											
5	WELDED STEEL CONSTRUCTION											

DOMESTIC WATER HEATER (GAS FIRED)														
EQUIPMENT TAG	QTY	LOCATION	SERVICE	TANK DESCRIPTION	MANUFACTURER	MODEL	VOLUME (L)	INPUT (MBH)	RECOVERY CAPACITY (LPH)	TEMP. RISE DEG C(DEG F)	POWER (V/PH/Hz)	SHIPPING WEIGHT (KG)	NOTES	
DWH-001	1	SPRINKLER/BOILER ROOM - 105	TEMP. QUARTERS PLUMBING FIXTURES	CENTRAL GAS FIRED DOMESTIC WATER HEATER	AO SMITH	BTH-250	379	250	1101	55 (100)	120/1/60	251	ALL	
NOTES:														
1	ASME CERTIFIED						5	PROVIDE ACID NEUTRALIZER						
2	C/W CSA CERTIFIED AND ASME RATED TEMPERATURE AND RELIEF VALVE						6	96% THERMAL EFFICIENCY						
3	SIDEWALL TERMINATION - DIRECT VENT						7	PROVIDE MANUFACTURER CONTROLS						
4	RATED FOR POTABLE WATER													

DIFFUSERS AND GRILLES					
EQUIPMENT TAG	DESCRIPTION/TYPE	MANUFACTURER	SERVICE	MODEL NUMBER	NOTES
SG-1	LOUVERED FACE SUPPLY GRILLE	E.H PRICE	SUPPLY AIR	520	ALL
EG-1	LOUVERED FACE EXHAUST GRILLE	E.H PRICE	EXHAUST AIR	535	ALL
DG-1	DOOR GRILLE	E.H PRICE	TRANSFER AIR	STG	1,2,3
DG-2	FIRE RATED DOOR GRILLE	NAILOR	TRANSFER AIR	61DGD-FR	1,2,3
NOTES: 1 PROVIDE DIFFUSERS AND GRILLES WITH BORDER STYLES THAT ARE COMPATIBLE WITH ADJACENT WALLS AND CEILING SYSTEMS. REFER TO ARCHITECTURAL DRAWINGS. 2 NC LEVELS BASED ON OCTAVE BANDS 2-7 SOUND POWER LEVELS MINUS A ROOM ABSORPTION OF 10 DB, MEASURED PER ASHRAE 70-91. 3 CUSTOM COLOUR OF PRODUCT TO BE SELECTED BY THE ARCHITECT DURING THE SHOP DRAWINGS SUBMITTAL PROCESS. 4 MATERIAL TO BE STAINLESS STEEL CONSTRUCTION 5 CONTRACTOR TO REFER TO MECHANICAL AND ARCHITECTURAL DETAILS FOR SUPPLY AND INSTALLATION OF LINEAR GRILLE.					

BACKFLOW PREVENTER									
EQUIPMENT TAG	QTY	LOCATION	SERVICE	BACKFLOW PREVENTOR TYPE	MANUFACTURER	MODEL NO.	SIZE (MM)	MAX WORKING PRESS. (KPA)	NOTES
BFP-001	1	TRUCK SHELTER 2	DOMESTIC WATER	DCVA	WATTS	LF007	50	1206	ALL
NOTES:									
1	REPLACEABLE SEATS AND DISCS			5	C/W STRAINER				
2	LEAD FREE DESIGN			6	COMPLY WITH ASSE STD. 1015, AWWA C510, AND CSA B64.5				
3	EPOXY COATED CAST IRON BODY			7	COMPLY WITH ASSE STD. 1013, AWWWS STD. C511, AND CSA B64.5				
4	C/W CAPTURED SPRING, SEATED SHUT-OFF VALVES, TEST COCKS								

FANS													
EQUIPMENT TAG	QTY	SERVICE	LOCATION	TYPE	MANUFACTURER	MODEL	AIR FLOW (LPS)	E. S. P. (Pa)	FAN (RPM)	DRIVE TYPE	SOUND LEVEL (SONES)	WEIGHT (KG)	NOTES
SF-1	1	OFFICE SPACE SUPPLY	CORRIDOR	INLINE	GREENHECK	CSP-A190	71	88.3	1,400	DIRECT	2.5	7.3	ALL
SF-2	1	BEDROOMS SUPPLY	CORRIDOR	INLINE	GREENHECK	CSP-A190	71	88.3	1,400	DIRECT	2.5	7.3	ALL
SF-3	1	OFFICE SPACE SUPPLY	OFFICE	INLINE	GREENHECK	CSP-A250	100	72.0	1,000	DIRECT	2.8	10.4	ALL
SF-4	1	OFFICE BREAKDOWN EXHAUST	ROOF	ROOF	GREENHECK	G-065-VG	71	75.0	1,566	DIRECT	4.3	10.9	ALL
EF-2	1	BATHROOM EXHAUST	ROOF	ROOF	GREENHECK	G-065-VG	71	75.0	1,566	DIRECT	4.3	10.0	ALL
EF-3	1	BATHROOM EXHAUST	ROOF	ROOF	GREENHECK	G-065-VG	71	75.0	1,566	DIRECT	4.3	9.1	ALL
EF-4	1	SERVICE ROOM EXHAUST	ROOF	ROOF	GREENHECK	CUE-060-VG	28	50.0	1,725	DIRECT	2.0	8.2	ALL
NOTES: 1 REFER TO MOTORLIST FOR ELECTRICAL REQUIREMENTS. 2 REFER TO SPECIFICATIONS FOR FURTHER INFORMATION.													

HEATING COIL (ELECTRIC)											
EQUIPMENT TAG	LOCATION	SERVICE	MANUFACTURER	MODEL	CAPACITY (KW)	AIRFLOW (LPS)	EAT (DEG. C)	LAT (DEG. C)	AIR P.D. (PA)	DUCT DIMENSIONS (MM)	NOTES
RHC-001	S/A PREHEAT	OFFICE SPACE	THERMOLEC	RFC	3.0		-9	24	0.1	200 Ø	ALL
RHC-002	S/A PREHEAT	OFFICE SPACE	THERMOLEC	RFC	3.0		-9	24	0.1	200 Ø	ALL
RHC-003	S/A PREHEAT	OFFICE SPACE	THERMOLEC	RFC	4.0		-9	24	0.1	250 Ø	ALL
NOTES: 1. C/W SCREW FIELD INDICATOR, W/RECORDING SWITCH, IN ALL TEMPS. UNIT 2. BUILT-IN TRANSFORMER. 3. AUTOMATIC RESET CUT-OUT. 4. BUILT-IN AIR FLOW SENSOR. 5. C/W REMOTE FIELD INDICATOR, W/RECORDING SWITCH, IN ALL TEMPS. UNIT 6. C/W SCREENS ON BOTH SIDES OF COIL. 7. BUILT-IN DISCONNECT. 8. REMOTE ADJUSTABLE DUCT SENSOR. 9. REFER TO MOTORLIST FOR ELECTRICAL REQUIREMENTS											

DOMESTIC WATER HEATER (ELECTRIC)								
EQUIPMENT TAG	LOCATION	MANUFACTURER	MODEL	INPUT (KW)	TANK CAPACITY (L)	RECOVERY CAPACITY TEMP RISE 56C (L/S)	SHIPPING WEIGHT (KG)	NOTES
DWH-002	TRUCK SHELTER 2	A.O. SMITH	DSE-10A	6.0	38	95	48.1	ALL
NOTES: 1. C/W DRAIN PAN. 2. C/W VACUUM RELIEF VALVE. 3. GLASSLINED TANK 4. C/W HIGH TEMPERATURE CUT-OFF SWITCH 5. RATED FOR POTABLE WATER								

Vehicle Bay Exhaust Fans:

- 2.1
- Temporary Fire Hall: Existing Nederman exhaust tracks and hoses to be relocated from the existing fire hall to the new temporary fire hall in two stages.
- Stage 1:

o

Relocated two tracks from the North bays of the existing fire hall to the Eastern temporary fire truck shelter.

o

In the existing fire hall install balancing dampers on the open end of each duct to balance airflow rate through the remaining two tracks per Nederman’s requirements (typically 650 cfm). Re-commission and balance the system for continued operation of the remaining two tracks.

o

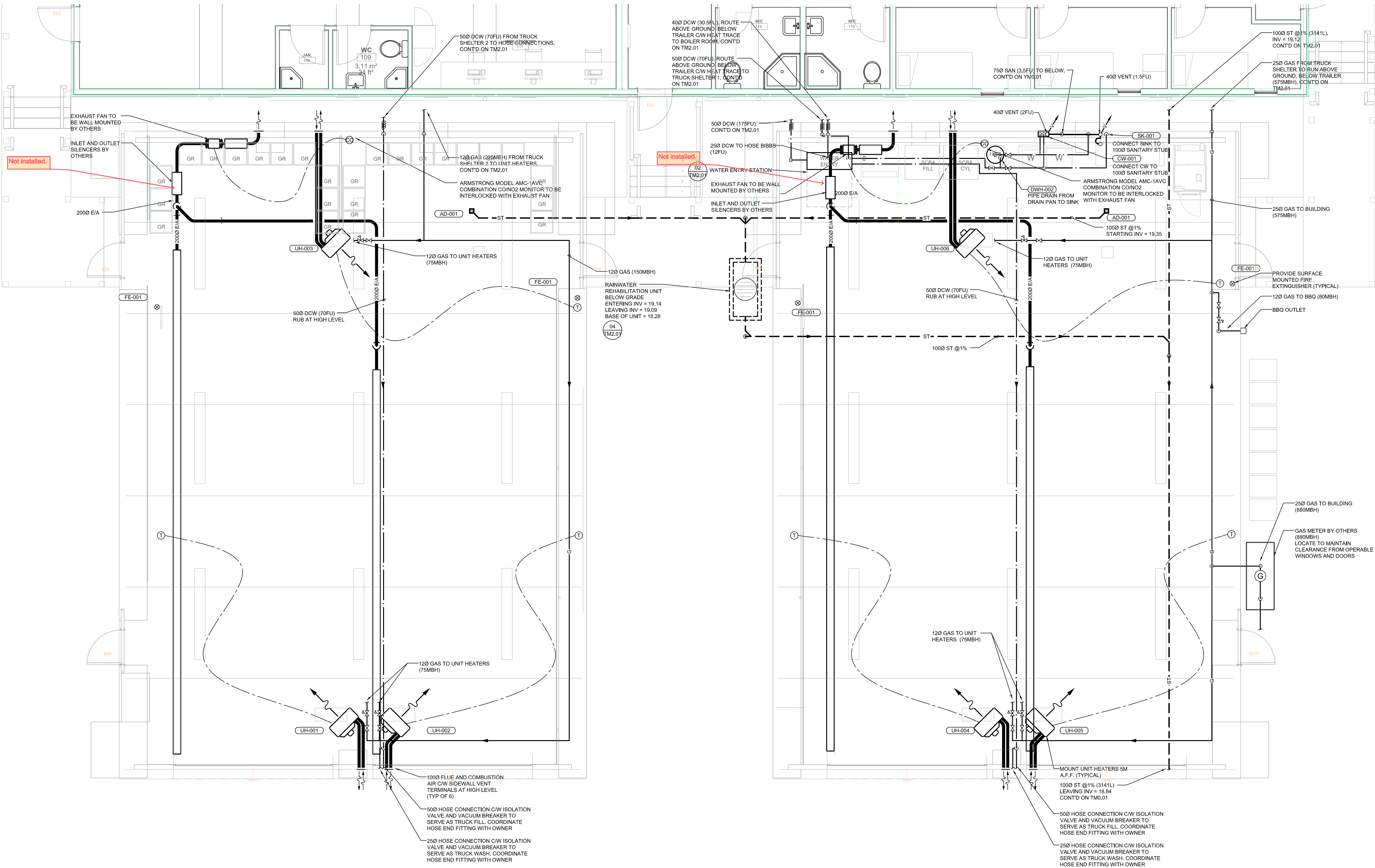
In the East temporary fire truck shelter include one new Nederman N29 fan with VFD control (208/3/60, 3-hp) and one new Nederman receiver (120/1/60).
- Stage 2:

o

Relocate final two tracks from the existing fire hall to the Western temporary fire truck shelter.

o

In the West temporary fire truck shelter include one new Nederman N29 fan with VFD control (208/3/60, 3-hp) and one new Nederman receiver (120/1/60).



01 TEMP. FIREHALL TRUCK SHELTERS PLAN
TM2.02 SCALE: 1:50

Project title
EPSB - TEMPORARY FACILITIES

Client
Township of Esquimalt

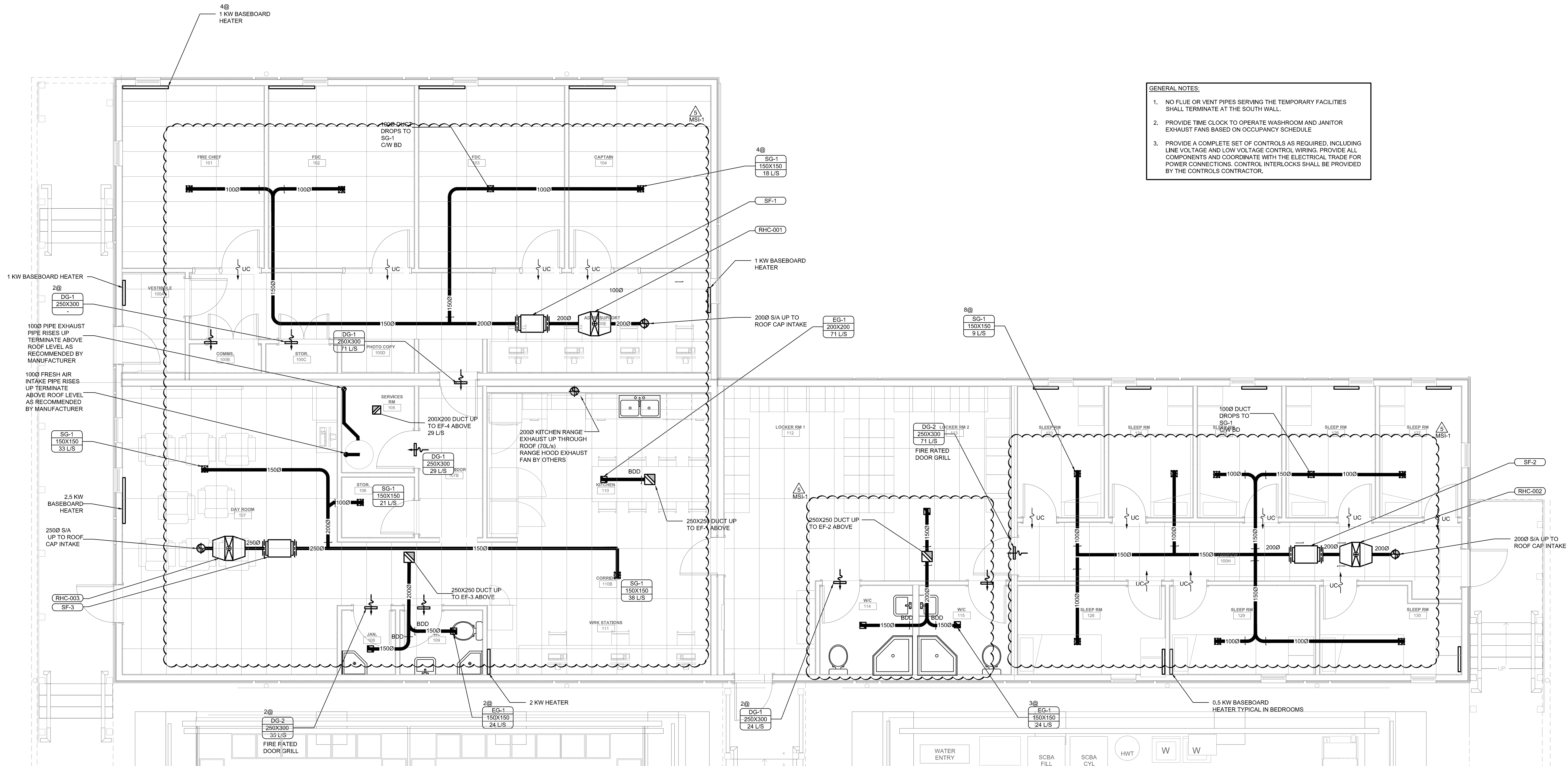
Site address
1151 ESQUIMALT ROAD, ESQUIMALT

Sheet title

TEMP. FIREHALL TRUCK SHELTERS PLAN

Sheet number Revision number 2

TM2.02



- GENERAL NOTES:**
1. NO FLUE OR VENT PIPES SERVING THE TEMPORARY FACILITIES SHALL TERMINATE AT THE SOUTH WALL.
 2. PROVIDE TIME CLOCK TO OPERATE WASHROOM AND JANITOR EXHAUST FANS BASED ON OCCUPANCY SCHEDULE
 3. PROVIDE A COMPLETE SET OF CONTROLS AS REQUIRED, INCLUDING LINE VOLTAGE AND LOW VOLTAGE CONTROL WIRING. PROVIDE ALL COMPONENTS AND COORDINATE WITH THE ELECTRICAL TRADE FOR POWER CONNECTIONS. CONTROL INTERLOCKS SHALL BE PROVIDED BY THE CONTROLS CONTRACTOR.

Project title

EPSB - TEMPORARY FACILITIES

Client
Township of Esquimalt

Site address
1151 ESQUIMALT ROAD, ESQUIMALT

Sheet title

**TEMP. FIREHALL
LEVEL 1 HVAC
PLAN**

01 TEMP. FIREHALL LEVEL 1 HVAC PLAN
TM2.01 SCALE: 1:50

Sheet number Revision number 2

TM4.01

HEL-001

- ## FOUNDATIONS

FOUNDATIONS		JUL-2008
1. ASSUMED DESIGN VALUES	FACTORED BEARING PRESSURE FOR SETTLEMENT	
	PAD FOOTINGS	100 kPa (2100 psf)
		100 kPa (2100 psf)
ALLOWABLE BEARING CAPACITY TO BE CONFIRMED BY GEOTECHNICAL ENGINEER PRIOR TO CONSTRUCTION.		
2. CENTRE ALL FOOTINGS UNDER COLUMNS AND WALLS UNLESS NOTED OTHERWISE.		
3. FOUNDATION BEARING MATERIAL SHALL BE PROTECTED FROM FROST, SNOW AND WATER INFILTRATION.		
4. FOOTING ELEVATIONS INDICATED ON THE DRAWINGS REPRESENT MINIMUM VALUES TO BE USED. VARIABLE SOIL CONDITIONS, UNDERGROUND SERVICES AND OTHER STRUCTURES MAY REQUIRE ADJUSTMENT OF FOOTING ELEVATIONS. THE CONTRACTOR SHALL MAKE ALLOWANCES FOR SUCH VARIATIONS IN FOOTING ELEVATIONS AS WELL AS FOR STRUCTURAL DEFORMATIONS OF THE FOUNDATION DURING CONSTRUCTION.		
5. CONTRACTOR SHALL COORDINATE CONSTRUCTION OF FOUNDATIONS WITH UNDERGROUND SERVICES AS SHOWN ON CIVIL, MECHANICAL, ELECTRICAL, AND ARCHITECTURAL DRAWINGS. CONFLICTS SHALL BE REPORTED TO THE ARCHITECT FOR RESOLUTION.		
6. UNLESS NOTED OTHERWISE, MINIMUM ASSUMED COMPACTION UNDER ALL FOOTINGS AND SLABS FOR COMPACTED GRANULAR FILL, AS PER STANDARD COMPLETED PROCTOR DENSITY, GEOTECHNICAL ENGINEER SHALL BE 95%.		

HEL-014

- ## REINFORCING STEEL
1. REINFORCING STEEL SHALL BE DEFORMED STEEL, 400 GRADE AND SHALL CONFORM TO CAN/CSA-030-18.
2. ALL REINFORCING BARS SHALL BE TIED SECURELY TO PREVENT DISPLACEMENT.
3. UNLESS NOTED OTHERWISE ON PLANS, LAP LENGTHS FOR REINFORCING STEEL SHALL BE AS FOLLOWS:
- | REINFORCING BAR LAP LENGTHS | | | | | |
|-----------------------------|-----------|-----------|-----------|------------|------------|
| CONCRETE MPa | BAR SIZE | | | | |
| | 10M | 15M | 20M | 25M | 30M |
| 20 | 430 (17") | 635 (25") | 840 (33") | 1320 (52") | 1575 (62") |
| 25 | 380 (15") | 560 (22") | 760 (30") | 1195 (47") | 1375 (54") |
| 30 | 355 (14") | 510 (20") | 680 (27") | 1035 (41") | 1200 (48") |
| 35 | 330 (13") | 480 (19") | 640 (26") | 985 (39") | 1155 (47") |
| 40 | 305 (12") | 455 (18") | 610 (24") | 940 (37") | 1120 (44") |
| 45 | 280 (11") | 430 (17") | 560 (22") | 890 (35") | 1040 (41") |
- NOTES:
- MULTIPLY VALUES BY 1.3 FOR HORIZONTAL REINFORCEMENT IN CASES IN SUCH A WAY THAT MORE THAN 12% OF FREE CONCRETE IS CAST IN THE MEMBER BEFORE THE PLACEMENT.
 - MULTIPLY VALUES BY 1.5 FOR EXPOSED COATED REINFORCEMENT WITH CLEAR COVER LESS THAN 3 BAR DIAMETER OR BAR SPACING LESS THAN 3 BAR DIAMETER.
 - MULTIPLY VALUES BY 1.2 FOR ALL DRY MIX COATED REINFORCEMENT OTHER THAN IN ABOVE.

HEL-003

3. NO SPICES OTHER THAN THOSE NOTED ON THE DRAWINGS ARE PERMITTED WITHOUT WRITTEN PERMISSION OF THE ARCHITECT.
4. WHERE CONCRETE SURFACES ARE TO BE EXPOSED ONLY NON-CORROSIVE TYPE REINFORCING CHAIRS SHALL BE USED TO SUPPORT THE REINFORCING STEEL.
5. DOMELS ARE TO BE TIED IN PLACE PRIOR TO POURING CONCRETE OF "STRUCTURAL ENGINEER'S APPROVAL OF THE STRUCTURAL ENGINEER."
6. HOOKS ON ALL TIES SHALL BE TIED AT LEAST 135° AND HAVE A MINIMUM LOG OF 6 TIMES THE TIE BAR DIAMETER.
7. PROVIDE CONCRETE BARS TO MATCH HORIZONTAL WALL REINFORCEMENT.
8. ALL VERTICAL REINFORCING TO FOUNDATION WALLS AND PIERS SHALL HAVE A STANDARD HOOK AND BE EMBEDDED IN THE FOOTING.
9. ALL BARS SHALL BE TIED AT TEMPERATURES GREATER THAN 10°C.
10. NO BARS WHICH ARE PARTIALLY EMBEDDED IN CONCRETE SHALL BE FIELD BENT AS SHOWN ON THE DRAWINGS OR APPROVED BY THE ARCHITECT.

HEL-005

HEL-015

-
- LIST OF ABBREVIATIONS

ALT	ALTERNATE	LVLM	LAMINATED VENER LUMBER
ARC	ARCUAL	MACH	MECHANICAL
B/S	BOTH SIDES	MEDH	MEDIUM
B/L	BOTH LAYERS	NC	NOT IN CONTRACT
BUL	BUTTER LAYER	NF	NEAR BY
C	CL	N	NUMBER
CL	CENTRE LINE	NT	NOT TO SCALE
CNT	CLEAR	O	OVERALL
CHP	CHISEL	O/A	ON CHANCE
CHS	CHISEL IN PLACE	OF	OUTSIDE FACE
CON	CONCRETE	OP	OPPOSITE
CONJ	CONJOINT	PR	PRESSURE TREATED (LUMBER)
DP	DEPT	PT	PAINT OR STAINING LUMBER
DR	DRILL	RDR	ROUGH DRAWING
DRG	DRAWING	REIN	REINFORCEMENT
E	EACH	SC	STRUCTURE
E/F	EACH FACE	SCS	COMPOSITE LUMBER
ELEC	ELECTRICAL	TH	THICK
ELC	ELECTRIC	TAB	TOP AND BOTTOM
E/W	EACH WAY	THK	THICK
EXT	EXTEND	TOP	TOP OF
EX	EXISTING	TYP	TYPICAL
H	HORIZONTAL	UND	UNDERSIDE
INT	INTERIOR	UNLESS	UNLESS NOTED OTHERWISE
L	LOW	VERT	VERTICAL
LL	LEVEL	W	WORK POINT
LOW	LOW	WP	WORK POINT

	LOAD BEARING STUD WALL		SECTION/ELEVATION SYMBOL
	NON-LOAD BEARING STUD WALL		SECTION/ELEVATION NUMBER
	WALL BELOW		SHEET WHERE DRAWN
	WOOD STUD SHEAR WALL		PLAN DETAIL SYMBOL
	SHEAR WALL HOLD-DOWN		DETAIL NUMBER
	WOOD BEAM		SHEET WHERE DRAWN
	WOOD POST		
	WOOD GIRDER TRUSS		
	WORK POINT		
	POINT LOAD		
			TOP OF FOOTING ELEVATION (PLANS ON)
			ELEVATION MARKER

Project title
ESQUIMALT PUBLIC
SAFETY BUILDING –
TEMPORARY FIREHALL

Sheet title
GENERAL NOTES

[illegible]

Client
Township of Esquimalt

Site address
1151 ESQUIMALT ROAD, ESQUIMALT

Sheet title
GENERAL NOTES

Sheet number Revision number

TS1.01

As Built Drawings, June 29, 2022



WOOD FRAME CONSTRUCTION

HEL-022

1. ALL WOOD FRAMING, INCLUDING BRIDGING, NAULING AND OTHER DETAILS SHALL BE AS INDICATED ON THE STRUCTURAL DRAWINGS AND COMPLY WITH CAN/CSA-086 AND THE CURRENT BRITISH COLUMBIA BUILDING CODE.
2. ALL NAILS SHALL MEET ASTM F1667 REQUIREMENTS FOR ENGINEERED CONSTRUCTION NAILS.
3. WOOD SCREWS SHALL MEET THE REQUIREMENTS OF ASME B18.61.
4. BOLTS SHALL HAVE PRE-DRILLED HOLES 1-2mm LARGER THAN THE BOLT DIAMETER.
5. LAG SCREWS SHALL CONFORM TO CSA B34. PRE-DRILLED HOLES FOR LAG SCREWS MAY BE LUBRICATED WITH SOAP OR OTHER NON-PETROLEUM BASED LUBRICANT.
6. ALL CONNECTORS AND FRAMING ANCHORS SPECIFIED ON THE DRAWINGS ARE BY IMPSON STRONG-TIE, UNLESS NOTED OTHERWISE. ALTERNATES MUST BE PRE-APPROVED BY THE ENGINEER OF RECORD PRIOR TO ORDERING. INSTALLATION OF COMPONENTS AND ASSEMBLIES, INCLUDING STRONG-WALL SHEAR WALLS AND STRONG FRAMES, SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS WRITTEN INSTRUCTIONS AND/OR SHOP DRAWINGS.
7. FLOOR SHEATHING AND ROOF SHEATHING TO BE AS DETAILED ON THE DRAWINGS. PANEL EDGE NAULING PATTERN SHALL ALSO APPLY TO DRAG STRIPS AND DIAPHRAGM EDGES.
8. THE FOLLOWING MINIMUM SHANK DIAMETERS SHALL APPLY TO NAILS SPECIFIED ON THE STRUCTURAL DRAWINGS, IN PARTICULAR SHEAR WALL SHEATHING, AND FLOOR AND ROOF DIAPHRAGMS:
- | NAIL SIZE | MINIMUM SHANK DIAMETER |
|--------------|------------------------|
| 57mm (2.25") | 2.52 mm (0.099") |
| 65mm (2.55") | 3.33 mm (0.131") |
| 76mm (3.00") | 3.76 mm (0.148") |
| 83mm (3.25") | 3.76 mm (0.148") |
| 89mm (3.50") | 4.12 mm (0.162") |
9. DIAPHRAGM AND SHEARWALL NAILS SHALL BE FULL HEADED NAILS.
10. DIAPHRAGM AND SHEARWALL NAILS SHALL NOT BE LESS THAN 10mm (3/8") FROM THE EDGE OF THE PANEL OR EDGE OF THE FRAMING MEMBER.
11. DIAPHRAGM AND SHEARWALL NAULING SHALL NOT BE OVER-DRIVEN BY MORE THAN THE FOLLOWING:
- | PANEL THICKNESS | OVER-DRIVE |
|-----------------|----------------|
| 9.5mm (3/8") | 1.4mm (0.056") |
| 12.5mm (1/2") | 1.9mm (0.075") |
| 15.8mm (5/8") | 2.4mm (0.094") |
| 19.0mm (3/4") | 2.9mm (0.113") |
12. ALL STRUCTURAL LUMBER SHALL COMPLY WITH CSA-0141 AND SHALL BE KILN DRIED TO MAXIMUM 19% MOISTURE CONTENT PRIOR TO INSTALLATION.
13. ALL WOOD FRAMING TO BE SPF22 OR BETTER UNLESS NOTED OTHERWISE. BEARING THE GRADE STAMP OF AN AGENCY CERTIFIED BY THE CANADIAN LUMBER STANDARDS ACCREDITATION BOARD.
14. PLYWOOD FOR ROOFS, FLOORS AND WALLS SHALL BE EXTERIOR GRADE DOUGLAS FIR PLYWOOD TO CSA-0121 OR CANADIAN SOFTWOOD PLYWOOD TO CSA-0151. OSB MAY BE SUBSTITUTED FOR PLYWOOD ON EXTERIOR SHEAR WALLS ONLY. OSB SHALL BE EXTERIOR GRADE CONFORMING TO CSA 0325. SUBSTITUTION MUST BE APPROVED BY THE PROJECT ENGINEER IN WRITING.

PLYWOOD THICKNESS	EQUIVALENT OSB MIN.
3/4"	2824
1/2"	2832 /2718 OR 1716
1/4"	2840 /2720

MECHANICAL AND ADHESIVE ANCHORS

HEL-046

1. ALL ANCHORS ARE TO BE INSTALLED IN CONCRETE HAVING A MINIMUM AGE OF 21 DAYS AT THE TIME OF ANCHOR INSTALLATION, AND IN STRICT ACCORDANCE WITH THE MANUFACTURERS WRITTEN INSTRUCTIONS.
2. ALL ANCHORS ARE TO BE THE ADHESIVE TYPE. MECHANICAL ANCHORS ARE ONLY TO BE USED WHEN SPECIFICALLY CALLED-UP ON THE DRAWINGS. SUBSTITUTIONS MUST BE APPROVED BY THE PROJECT ENGINEER PRIOR TO USE.
3. UNLESS NOTED OTHERWISE ADHESIVE ANCHORS SHALL BE ASTM F1554 GRADE 36 THREADED ROD. REFER TO DRAWINGS FOR ANCHOR LOCATIONS, SIZES, CENTRES AND EMBEDMENT LENGTH.
- USE HELTI HIT-RE500-VO WHEN:
A QUICK CURE IS REQUIRED.
HOLES ARE DRILLED USING AIR OR VACUATED HOLES ARE HAMMER DRILLED.
HOLES ARE NOT OVER-SIZED.
BASE MATERIAL TEMPERATURE IS ABOVE MINUS 10° CELCIUS.
NOTE: CONCRETE THAT HAS BEEN EXPOSED TO WATER IN THE PRECEEDING 14 DAYS IS ASSUMED TO BE SATURATED.
- USE HELTI HIT-RE500-VO WHEN:
EXTENDED WORKING TIME IS REQUIRED AND CURE TIME IS NOT CRITICAL.
HOLES ARE DRILLED USING DIAMOND CORE, PNEUMATIC OR HAMMER DRILLS.
DEEP EMBEDMENT IS SPECIFIED.
THE APPLICATION IS UNDERWATER, OR
HOLES ARE OVERSIZED.
4. REFER TO DRAWINGS FOR MECHANICAL ANCHOR LOCATIONS, SIZES, CENTRES AND EMBEDMENT LENGTH.
5. HOLES FOR MECHANICAL ANCHORS SHALL BE CLEANED OUT WITH HIGH PRESSURE AIR OR BRUSH PRIOR TO ANCHOR INSTALLATION.
6. INSTALLERS OF HELTI PRODUCTS SHALL HAVE RECEIVED TRAINING BY HELTI (CANADA) CORP. IN THE USE OF THE SPECIFIED PRODUCTS. THE GENERAL CONTRACTOR SHALL PROVIDE THE DESIGN ENGINEER WITH A LETTER STATING THAT THIS TRAINING HAS BEEN COMPLETED.
7. ALL ADHESIVE ANCHORS ARE TO HAVE A PERIODIC SPECIAL INSPECTION PERFORMED IN ACCORDANCE WITH ACI 308.4. THE SPECIAL INSPECTION SHALL BE PERFORMED BY A CERTIFIED ACI/CRIS ADHESIVE ANCHOR INSTALLATION INSPECTOR, OR EQUIVALENT. THE SPECIAL INSPECTOR MUST BE HIRED BY THE OWNER, OR AN OWNER'S REPRESENTATIVE (THE CONTRACTOR IS NOT ALLOWED TO HIRE THE SPECIAL INSPECTOR THEMSELVES). THE SPECIAL INSPECTOR SHALL SUBMIT A REPORT TO THE ENGINEER OF RECORD THAT THE MATERIALS USED, AND THE INSTALLATION PROCEDURES USED CONFORM WITH THE CONTRACT DOCUMENTS AND THE MANUFACTURERS WRITTEN INSTRUCTIONS.

PRE-ENGINEERED STEEL BUILDINGS

HEL-045

1. FOUNDATIONS HAVE BEEN DESIGNED AS PER LOADS PROVIDED BY -----enter pre-eng building supplier name here ----- JOB NO. -----.
2. THE PRE-ENGINEERED STEEL BUILDING SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF BRITISH COLUMBIA TO THE SITE SPECIFIC DESIGN CRITERIA FOR THE PROJECT.
3. THE BUILDING MANUFACTURER SHALL SUBMIT SHOP DRAWINGS AS SPECIFIED UNDER "SUBMITTALS" TO THE PROJECT ENGINEER FOR REVIEW PRIOR TO FABRICATION. ERECTION AND DETAIL DRAWINGS SHALL SHOW SIZE, CONFIGURATIONS AND LOCATIONS OF ALL STEEL BUILDING COMPONENTS AND BE MARKED "ISSUED FOR CONSTRUCTION". COLUMN REACTIONS SHALL BE INCLUDED.
4. UPON COMPLETION THE PRE-ENGINEERED STEEL BUILDING SHALL BE INSPECTED BY A PROFESSIONAL ENGINEER REGISTERED IN BRITISH COLUMBIA. A SCHEDULE "N" SHALL BE SUBMITTED TO THE PROJECT ENGINEER TO CERTIFY THAT THE BUILDING HAS BEEN SUPPLIED AND ERECTED IN ACCORDANCE WITH THE REVIEWED SHOP DRAWINGS.
5. THE CONTRACTOR SHALL CONFIRM THE FOLLOWING WITH THE STEEL BUILDING SUPPLIERS SHOP DRAWINGS PRIOR TO POURING CONCRETE:
- BASEPLATE SIZES
 - ANCHOR BOLT SIZE AND LOCATION
 - GENERAL ARRANGEMENT OF BUILDING FRAMES
6. VERIFY ALL DIMENSIONS WITH PRE-ENGINEERED STEEL BUILDING SHOP DRAWINGS, AS ISSUED FOR CONSTRUCTION, AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
7. CONFIRM ALL DOOR OPENING SIZES AND LOCATIONS WITH THE CLIENT PRIOR TO CONSTRUCTION.
8. GROUT BELOW BASEPLATES TO BE 48 MPa (7000 psi) AT 28 DAYS.

MISCELLANEOUS METAL FABRICATIONS

HEL-027

1. MISCELLANEOUS METAL FABRICATIONS INCLUDES SUCH ITEMS AS METAL STAIRS AND LADDERS, ANGLE LITELS, PIPE RAILINGS, CORNER GUARDS, BOLLARDS, TRENCH COVERS AND FRAMES, ETC.
2. THE STEEL FABRICATOR SHALL SUBMIT SHOP DRAWINGS AS SPECIFIED UNDER "SUBMITTALS" TO THE PROJECT ENGINEER FOR REVIEW PRIOR TO FABRICATION. SHOP DRAWINGS SHALL INDICATE ALL DETAILS, MATERIAL SPECIFICATIONS, FINISHES AND DESIGN LOADS.
3. A COPY OF THE FABRICATOR'S CANADIAN WELDING BUREAU CERTIFICATES SHALL BE INCLUDED WITH THE SHOP DRAWING SUBMISSION.
4. ALL WELDING SHALL BE IN ACCORDANCE WITH CSA W59 AND SHALL BE PERFORMED BY FABRICATORS "FULLY APPROVED" BY THE CANADIAN WELDING BUREAU UNDER CSA W59.3. FABRICATING SHOP TO HAVE A MINIMUM DESIGN 2L CERTIFICATION BY THE CANADIAN WELDING BUREAU TO THE REQUIREMENTS OF CSA W59.1 AND CSA W59.2 FOR RESISTANCE WELDING OF STRUCTURAL COMPONENTS. THE FABRICATOR SHALL SUBMIT PROOF OF CERTIFICATION PRIOR TO START OF WORK.
5. PROVIDE MATERIALS TO THE FOLLOWING STANDARDS:
- STEEL PLATE TO CAN/CSA-A582-1 GRADE 300W
 - STEEL PIPE TO ASTM-A53/A53M, STANDARD WEIGHT, SCH40, 40, SEAMLESS, BLACK.
 - WELDING MATERIALS TO CSA W58
 - FILLER METALS AND ALLIED MATERIALS FOR METAL ARC WELDING TO CSA W48
 - ERECTION BOLTS TO ASTM A325
 - ANCHOR BOLTS TO ASTM F1554, GRADE 36 (36ksi YIELD STRENGTH) OR ASTM A193 GRADE "B7" (AS NOTED ON PLAN)
 - THREADED ROD SHALL BE TO ASTM F1554 GRADE 36 (36 ksi YIELD STRENGTH)
 - GROUT SHALL BE NON-SHRINK, NON-METALLIC, FLOWABLE, 15MPa AFTER 24 HOURS.
6. DESIGN FABRICATIONS TO CSA-S16, LIMIT STATES DESIGN OF STEEL STRUCTURES.
7. DESIGN AND FABRICATE METAL STAIRS TO THE MOST RECENT EDITION OF THE B.C. BUILDING CODE AND THE ARCHITECTURAL AND STRUCTURAL DRAWINGS. FABRICATION AND INSTALLATION TO BE IN ACCORDANCE WITH THE METAL STAIR MANUAL, APP 510, BY THE NATIONAL ASSOCIATION OF ARCHITECTURAL METAL MANUFACTURERS.
8. FABRICATE WORK SQUARE, PLUMB, STRAIGHT AND ACCURATE TO THE REQUIRED SIZES WITH JOINTS CLOSELY FITTED AND PROPERLY SECURED. WHERE POSSIBLE SHOP FIT AND ASSEMBLE READY FOR ERECTION. EXPOSED WELDS ARE TO BE CONTINUOUS FOR THE FULL LENGTH OF THE JOINT. GRIND SMOOTH AND FLUSH UNLESS NOTED OTHERWISE. USE SELF-TAPPING, SHANK-PROOF, FLAT HEADED SCREWS ON ITEMS REQUIRING ASSEMBLY WITH SCREWS.
9. EXCEPT PARTS OF MEMBERS TO BE EMBEDDED IN CONCRETE OR GALVANIZED OR UNLESS NOTED OTHERWISE ON THE DRAWINGS, ALL STEEL WORK SHALL BE SHOP PRIMED. PRIMER SHALL BE IN ACCORDANCE WITH CSC/CPMA-1-1-750 "QUICK DRYING PRIMER" WHEN NO TOP COAT IS REQUIRED AND IN ACCORDANCE WITH CSC/CPMA-0-1-750 WHEN A TOP COAT IS SPECIFIED. IF A TOP COAT IS SPECIFIED THE PRIMER SHALL BE SELECTED ENSURING COMPATIBILITY WITH THE SPECIFIED SYSTEM. ITEMS SPECIFIED TO BE GALVANIZED SHALL BE HOT DIPPED GALVANIZED TO CAN/CSA-S164-M MINIMUM ZINC COATING OF 800g/m². FIELD TOUCH-UP ALL ABRASIONS, SCRATCHES, WELDS OR BOLTS WITH GALVALUX OR EQUIVALENT.
10. HOT DIP GALVANIZE ALL EXTERIOR STEEL WORK AND STEEL WHICH PROTRUDES THROUGH THE BUILDING ENVELOPE.
11. ISOLATE ALUMINUM FROM DISSIMILAR METALS EXCEPT STAINLESS STEEL, ZINC OR WHITE BRONZE WITH BITUMINOUS PAINT. ALL FASTENERS TO BE COMPATIBLE WITH THE MATERIALS THROUGH WHICH THEY PASS.
12. DELIVER, STORE, HANDLE AND PROTECT MATERIALS FROM DAMAGE. INSTALL PLUMB AND TRUE IN EXACT LOCATIONS, SECURELY FASTENED TO THE BUILDING STRUCTURE AS DETAILED.
13. THE CONTRACTOR SHALL PROVIDE TEMPORARY BRACING DURING CONSTRUCTION. THE BRACING SHALL BE DESIGNED, INSTALLED AND MAINTAINED BY THE CONTRACTOR. THE BRACING SHALL BE REMOVED ONLY AFTER THE INSTALLATION IS COMPLETE.



As Built Drawings, June 29, 2022

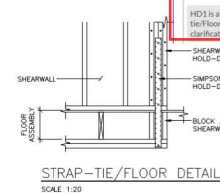
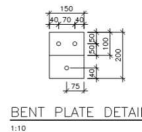
Project title
ESQUIMALT PUBLIC
SAFETY BUILDING –
TEMPORARY FIREHALL

Client
Township of Esquimolt

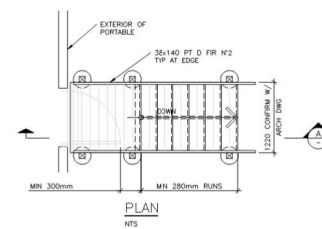
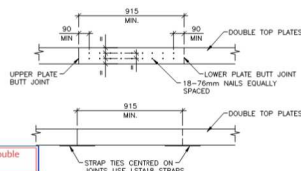
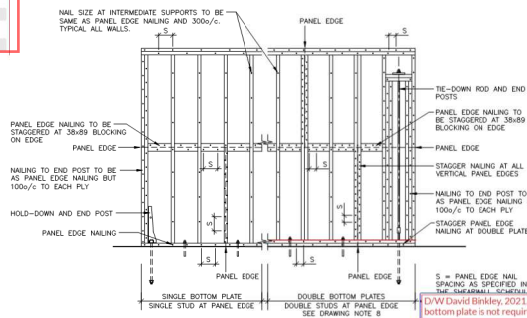
Site address
1151 ESQUIMALT ROAD, ESQUIMALT

Sheet title
GENERAL NOTES

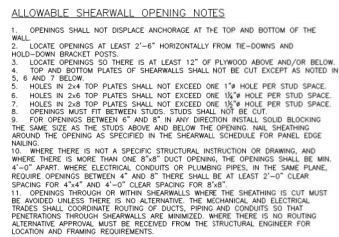
Sheet number Revision number
TS1.02



HD1 is a strap style hold-down. Refer to "Strap-tie/Floor Detail" on TS1.03, and Section 1/TS3.00 for clarification of the arrangement.



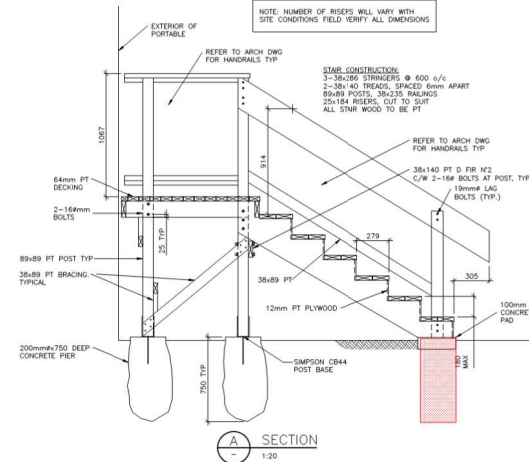
NOTE: NUMBER OF RISES WILL VARY WITH SITE CONDITIONS FIELD VERIFY ALL DIMENSIONS



KEY ELEVATION
ALLOWABLE SHEARWALL OPENINGS
SCALE 1:20

David Binkley responded on 2021-12-09 00:57:38 UTC

1. Revised bottom plate nailing as follows: SW1 - 3 1/2"X0.162 nails at 150 o/c (1 row), SW2 - 3 1/2"X0.162 nails at 100 o/c (1 row), 3 1/2"X0.162 nails at 75 o/c (1 row)
2. As discussed on site, add 2x blocking to pack out web of joist at block locations. Fasten A34 to web of block member and to packed out web of joist.
3. If exterior wall plywood is nailed to trimmer and to upper top plate, no framing anchors required at tapered member.



Project title
ESQUIMALT PUBLIC
SAFETY BUILDING –
TEMPORARY FIREHALL

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Township of Esquimalt

Site address
1151 ESQUIMALT ROAD, ESQUIMALT

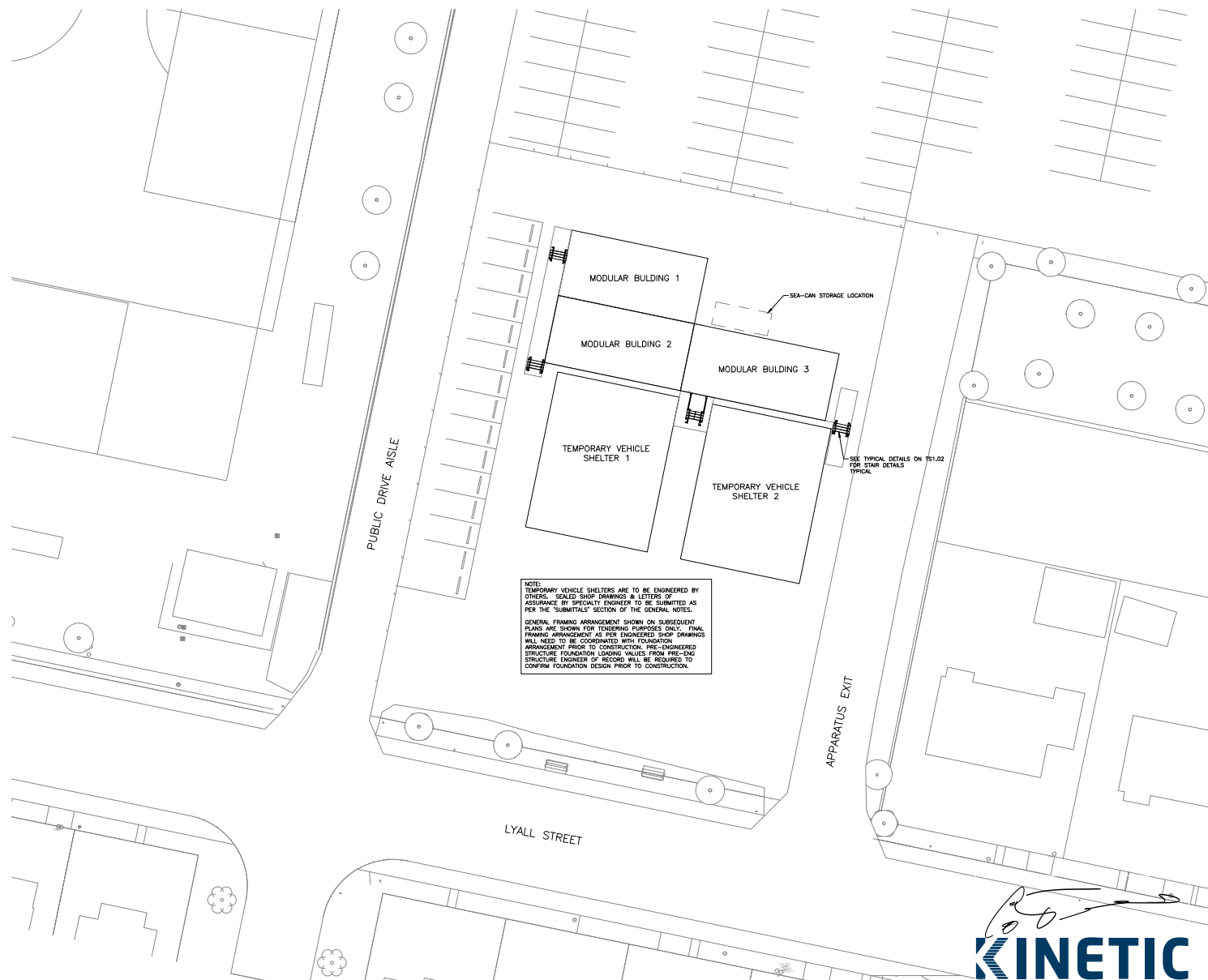
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TYPICAL DETAILS

Sheet number Revision number

KINETIC

As Built Drawings, June 29, 2022

Sheet number Revision number
TS1.03



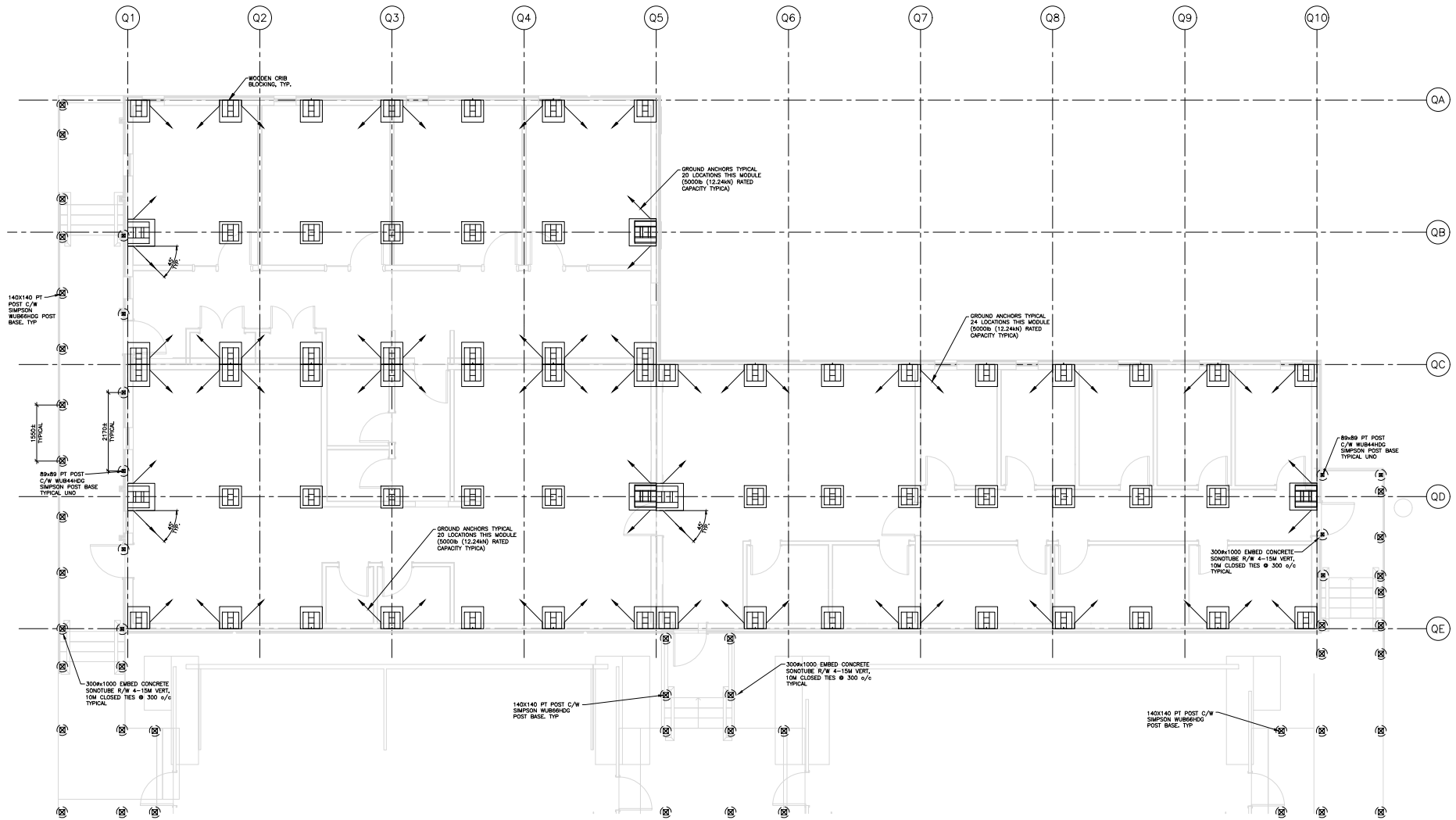
Project title
ESQUIMALT PUBLIC
SAFETY BUILDING -
TEMPORARY FIREHALL

Client
Township of Esquimalt
Site address
1151 ESQUIMALT ROAD, ESQUIMALT

Sheet title
SITE PLAN

As Built Drawings, June 29, 2022

Sheet number Revision number
TS1.04



MODULAR 1, 2, 3 FOUNDATION PLAN
1/50

Project title
ESQUIMALT PUBLIC
SAFETY BUILDING -
TEMPORARY FIREHALL

Client
Township of Esquimalt
Site address
1151 ESQUIMALT ROAD, ESQUIMALT

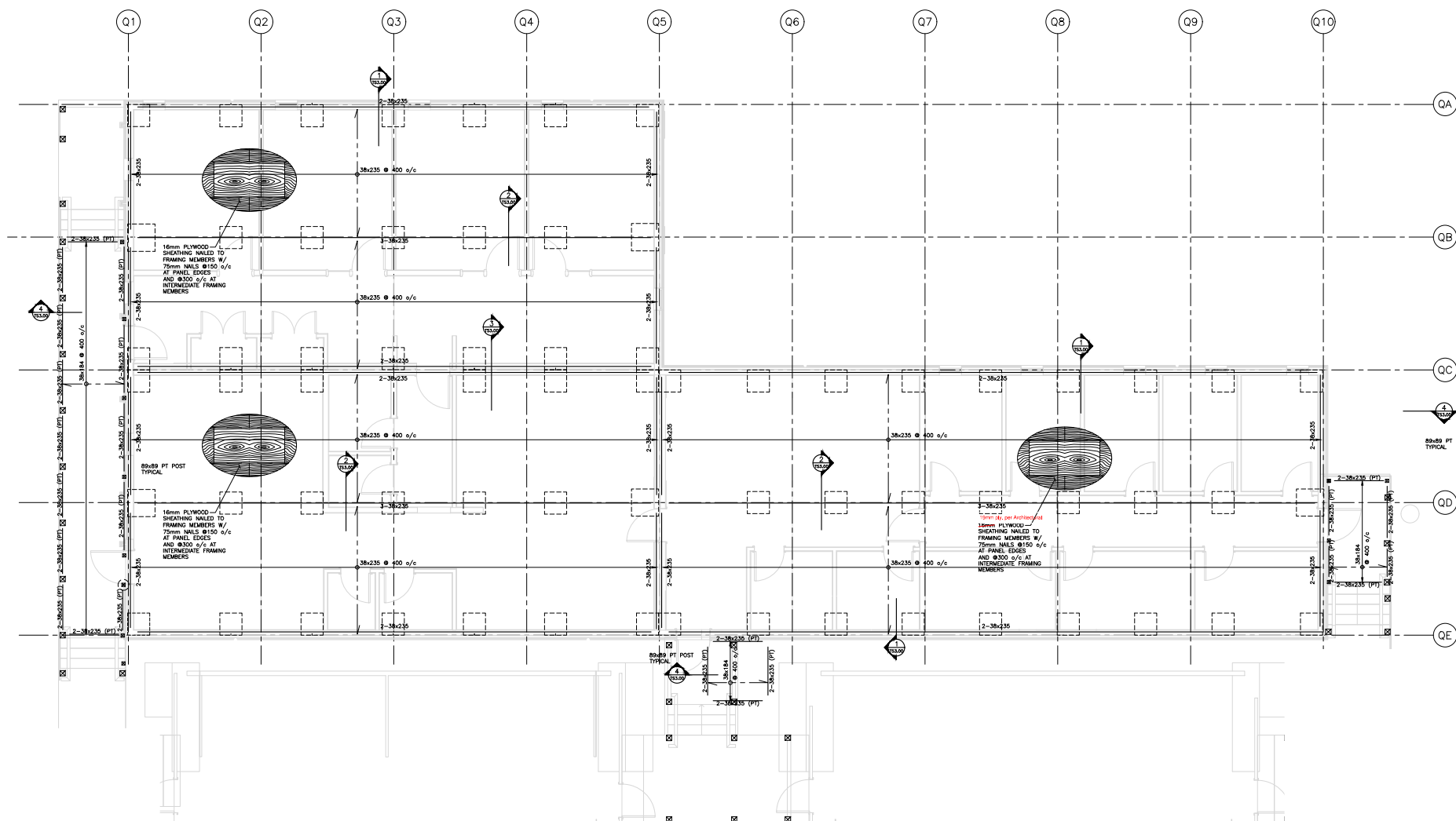
Sheet title
MODULAR BUILDING
FOUNDATION PLAN

Sheet number Revision number

TS2.00



As Built Drawings, June 29, 2022



MODULAR 1, 2, 3 FLOOR FRAMING PLAN
1:50

Project title
ESQUIMALT PUBLIC
SAFETY BUILDING –
TEMPORARY FIREHALL

Client
Township of Esquimalt

Site address
1151 ESQUIMALT ROAD, ESQUIMALT

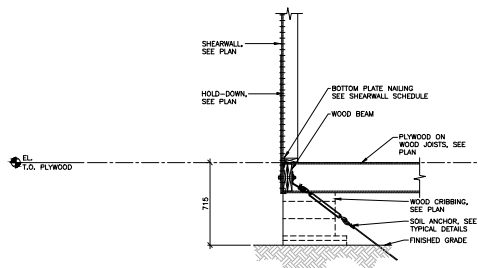
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MODULAR BUILDING
FLOOR FRAMING PLAN

Sheet number Revision number

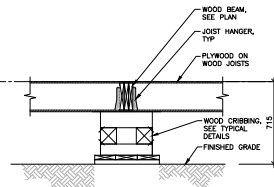
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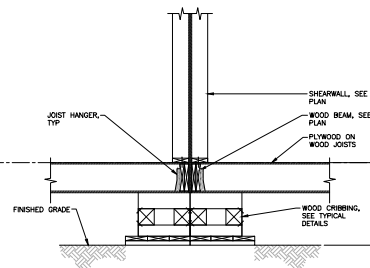
As Built Drawings, June 29, 2022



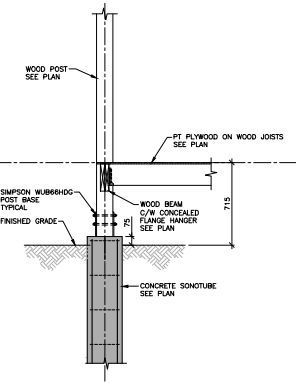
1 SECTION
TS2.00 1:20



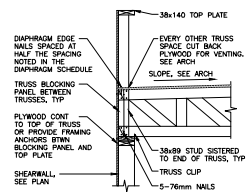
2 SECTION
TS2.00 1:20



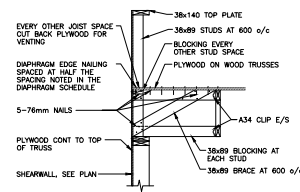
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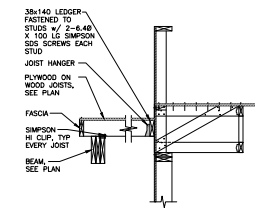
4 SECTION
TS2.00 1:20



6 SECTION
TS2.03 1:20



7 SECTION
TS2.03 1:20



8 SECTION
TS2.03 1:20

Project title
ESQUIMALT PUBLIC
SAFETY BUILDING -
TEMPORARY FIREHALL

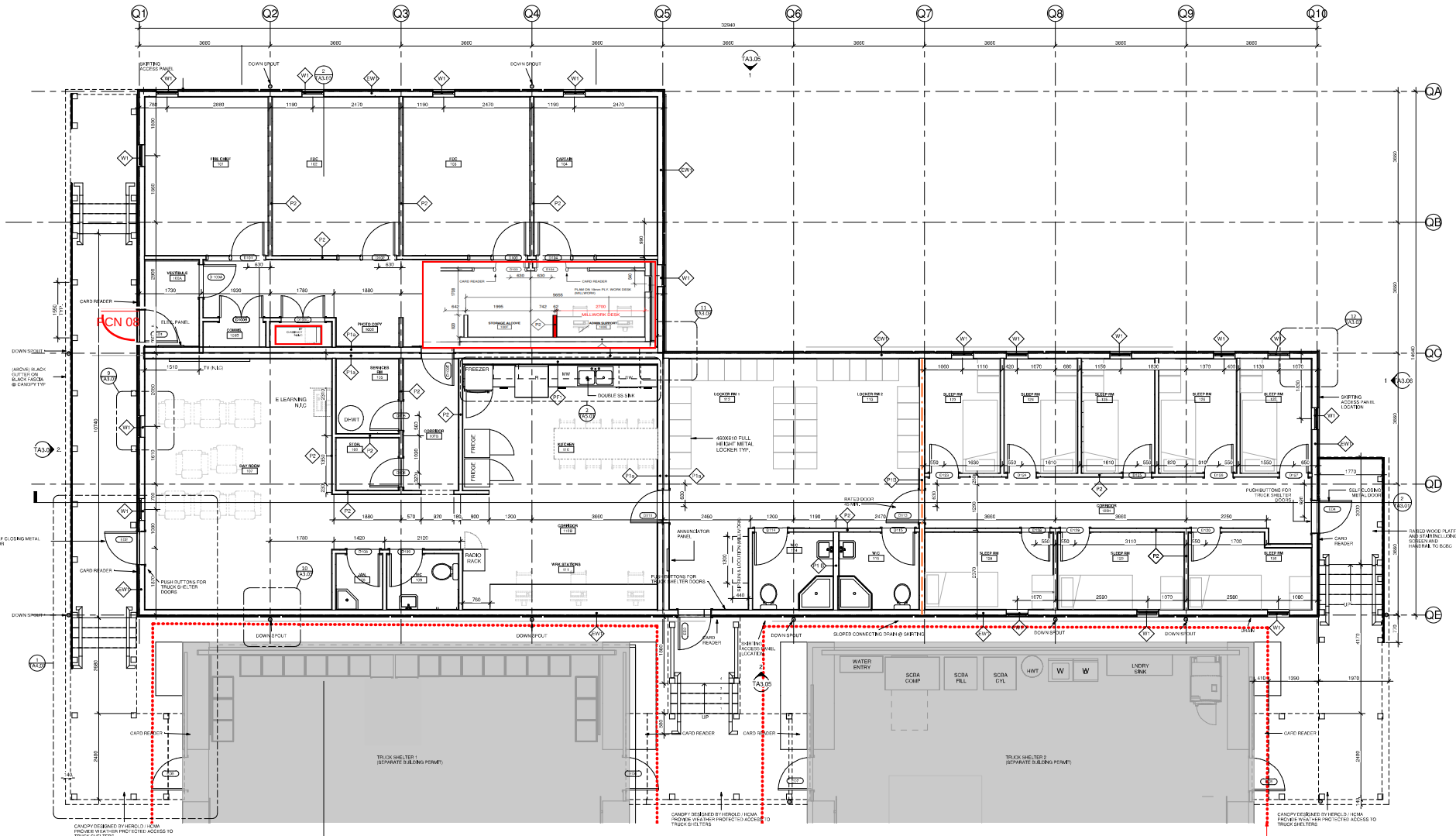
Client
Township of Esquimalt
Site address
1151 ESQUIMALT ROAD, ESQUIMALT

Sheet title
SECTIONS



As Built Drawings, June 29, 2022

Sheet number Revision number
TS3.00



Key plan



Project title
EPSB - TEMPORARY FACILITIES

Client
Township of Esquimalt

Site address
1151 ESQUIMALT ROAD, ESQUIMALT

Sheet title
OFFICES / SUPPRESSION - LEVEL 1 PLAN

Sheet number P15/Revision number 1

TA2.00

NOTE: EXISTING / OWNER SUPPLIED AND TO BE RELOCATED TO TEMP HALL

KITCHEN
RANGE 3' X 4' X 3"
D/W 28" X 31" X 67"
FRIDGES 28" X 31" X 67"
FREEZER 28" X 31" X 67"
MICROWAVE

NON GEAR CREW LOCKERS
BEDS
NEIDERMAN SYSTEM
LOOSE FURNITURE (office desks, chairs, file cabinets, lounge seating, dining table and chairs)

TEMPORARY VEHICLE SHELTER 1 & 2
SHOWN FOR INFORMATION ONLY
(VEHICLE SHELTER BUILDING PERMIT
APPLICATION TO FOLLOW UNDER
SEPARATE SUBMISSION)

1HR FIRE RESISTANCE RATING

As Built Drawings, June 29, 2022

1 LEVEL 1
1:50