General Notes:

1. Pre-Engineered Metal Building is designed and supplied by others. Stantec assumes no responsibility / liability for the building design, structure and code compliance of the building.

GENERAL NOTES A100 1:1

- 1. Division 1: General Conditions (By RCMP)
- 2. Divison 2 : Existing Condiitons (Not Used)
- 3. Divison 3 : Concrete
- 3.1.1 Refer to Structural Drawings
- 4. Division 4 : Masonry (not used)
- 5. Division 5 : Metals

5.1. Metal Fabrications (05 50 00)

5.1.1 Chainlink Fencing and Swing Gate 5.1.1.1 Swing Gate: Provide One (1) Gate with new posts embedded in concrete complete with steel hinges and drop pin latch for padlock (supplied by RCMP). Gate to be two doors 1830mm (6'-0") wide each. 3660mm (12'-0") total

- clear opening. Mesh: Chain Link 50mm (2") mesh. Galvanized to ASTM-A392-81 Class 1. 5.1.1.2
- 5.1.1.3 Mesh Thickness: 9 gauge
- 5.1.1.4 Height: to match existing.
- 5.1.1.5 Finish: Commercial Hot Dipped Galvanized
- Gate Post Pipe Diameter: 89mm OD (3.5"). 2743mm Length (9'0") 5.1.1.6
- 5.1.1.7 Standard of acceptance: Industrial Heavy Welded Double Swing gate by Phoenix Fence or equivalent.

6. Division 6 : Wood, Plastics, Composites (By Others)

- 7. Division 7: Thermal and Moisture Protection (By Others)
- 8. Division 8: Openings (By Others)
- 9. Division 9: Finishes (By Others)

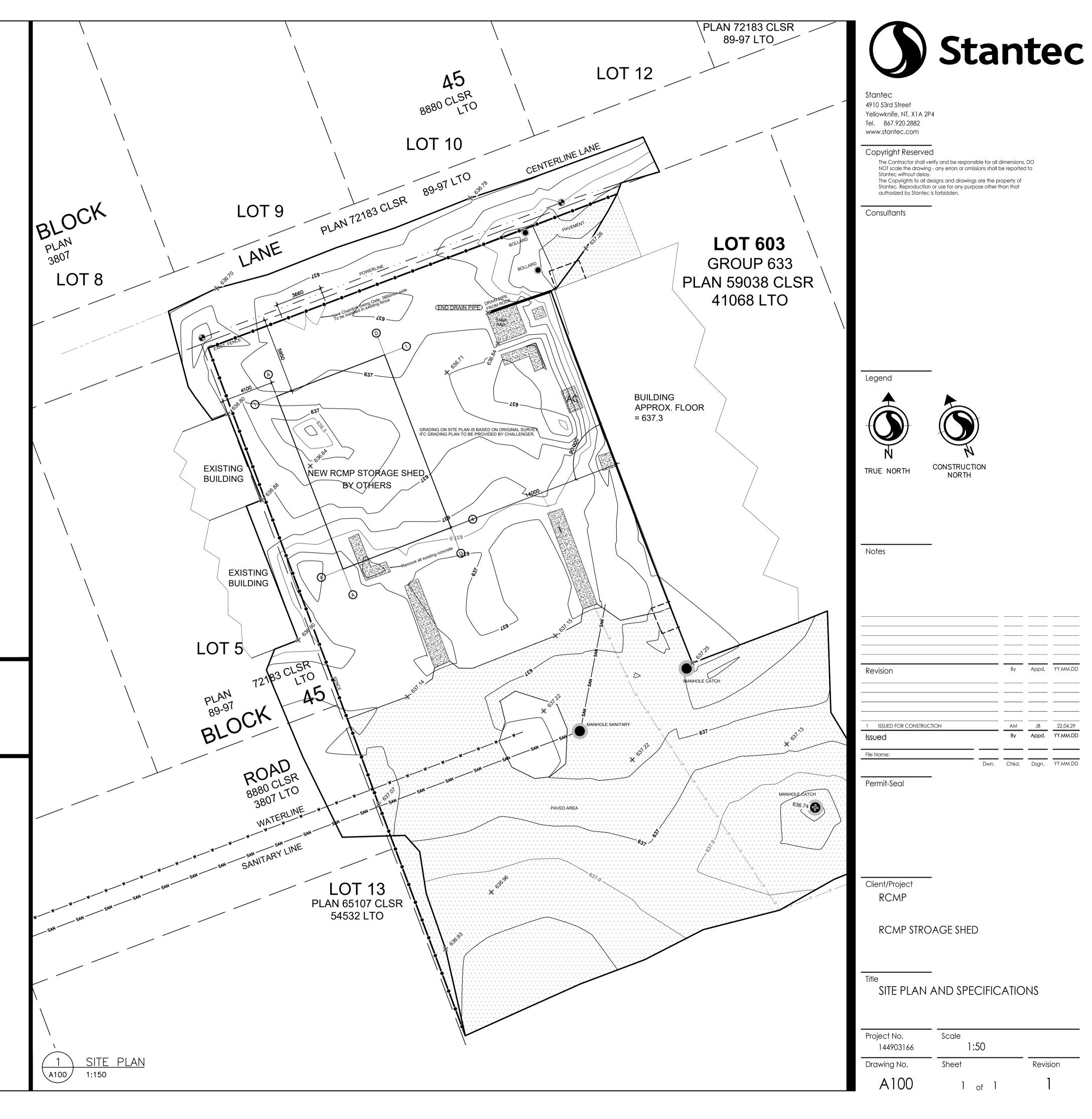
1:1

- 10. Division 23: HVAC
- 10.1.1 Refer to Mechanical Drawings/Specifications
- 11. Division 26: Electrical

11.1.1 Refer to Electrical Drawings/ Specifications

SPECIFICATIONS 2 \A100/

ORIGINAL SHEET - ISO A1



A100

1:150

LOT 8

DESIGN NOTES

GENERAL

- ALL CODES REFERENCED ARE TO BE THE LATEST VERSION AT THE DATE OF ISSUE.
- 2. DESIGN IS BASED ON THE NATIONAL BUILDING CODE 2015.
- READ THESE DESIGN NOTES IN CONJUNCTION WITH THE CONTRACT SPECIFICATIONS AND ALL OTHER CONTRACT DOCUMENTS.
- OBTAIN CONSULTANT'S APPROVAL BEFORE CUTTING, BORING, OR SLEEVING LOAD-BEARING MEMBERS UNLESS NOTED OTHERWISE.
- THE STRUCTURAL DRAWINGS ARE FOR THE COMPLETED PROJECT. STABILITY OF THE NEW STRUCTURE DURING CONSTRUCTION REMAINS THE RESPONSIBILITY OF THE CONTRACTOR.
- REFER TO ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR SMALL 8. FIELD AND LABORATORY TESTING OF CONCRETE TO BE COMPLETED BY A THIRD OPENINGS, SLEEVES, RECESSES, DEPRESSIONS, SUMPS, TRENCHES, CURBS, HOUSEKEEPING PADS, EQUIPMENT BASES, AND SLOPES NOT INDICATED ON THE STRUCTURAL DRAWINGS.
- OPENINGS AND SLEEVES INDICATED ON THE STRUCTURAL DRAWINGS ARE FOR REFERENCE ONLY. COORDINATE ALL OPENING LOCATIONS AND DIMENSIONS WITH 9. SUBMIT CONCRETE MIX SHOP DRAWING PRIOR TO PLACING CONCRETE. THE APPROPRIATE CONSULTANT AND THE TRADE CONTRACTOR PRIOR TO CONSTRUCTION.
- REVIEW ALL DRAWINGS AND CHECK DIMENSIONS PRIOR TO IMPLEMENTING THE WORK. REPORT ANY DISCREPANCIES TO THE CONSULTANT FOR CLARIFICATION BEFORE PROCEEDING
- COORDINATE PLACEMENT AND LOCATION OF ITEMS BY SUBSEQUENT TRADES. RELEVANT TRADES SHALL REVIEW PRIOR TO ERECTION AND/OR INSTALLATION.
- 10. NOTIFY THE CONSULTANT A MINIMUM OF 72 HOURS PRIOR TO ANY REQUIRED SITE REVIEWS.

DESIGN LOADS

- ALL SUPERSTRUCTURE LOADING CAN BE FOUND ON THE PRE-ENGINEERED BUILDING SHOP DRAWINGS. FOUNDATION HAS BEEN DESIGNED BASED ON THE FRAME REACTION LOADS NOTED.
- CONSTRUCTION LOADS SHALL NOT EXCEED THE LOADS NOTED ON THE DRAWINGS.

DELEGATED DESIGN

- PORTIONS OF THE DETAILED DESIGN ARE DELEGATED TO THE CONTRACTOR. RETAIN A PROFESSIONAL ENGINEER REGISTERED IN THE YUKON TERRITORY TO COMPLETE THE DESIGN.
- SUBMIT SHOP DRAWINGS FOR COMPONENTS REQUIRING DELEGATED DESIGN UNDER THE SEAL AND SIGNATURE OF THE ENGINEER RESPONSIBLE FOR THE DESIGN.
- THE FOLLOWING COMPONENTS REQUIRE DELEGATED DESIGN: PRE-ENGINEERED STRUCTURE INCLUDING ANCHOR RODS TO FOUNDATION 3.2. STRUCTURE
- MORTAR, GROUT, AND CONCRETE MIX DESIGNS. 3.3.
- 3.4. THE ENGINEER RESPONSIBLE FOR THE DESIGN IS ALSO RESPONSIBLE FOR REVIEW OF FABRICATION AND INSTALLATION OF THE COMPONENTS. UPON COMPLETION OF THE WORK, CERTIFY IN WRITING TO THE
- CONSULTANT THAT SUCH REVIEW HAS BEEN COMPLETED.
- THE GENERAL CONTRACTOR SHALL NOT PROCEED WITH PRE-ENGINEERED STRUCTURE FABRICATION OR ANY OF THE DELEGATED DESIGN ITEMS NOTED ABOVE UNTIL THE SHOP DRAWINGS FOR THE PRE-ENGINEERED QUONSET SUPERSTRUCTURE HAVE BEEN SUBMITTED TO, REVIEWED BY, AND APPROVED BY THE CONSULTANT. PROCEEDING WITH SUCH FABRICATION IS ENTIRELY AT THE GENERAL CONTRACTOR'S RISK.
- 6. REFER TO SPECIFICATIONS FOR FURTHER REQUIREMENTS.

FOUNDATION AND GEOTECHNICAL NOTES

- FOUNDATION DESIGN IS BASED ON THE FOUNDATION INVESTIGATION SOILS REPORT NUMBER 704 ENG.WAR03893-01 PREPARED BY TETRA-TECH, TITLED PRELIMINARY 8. OPENINGS (MAX. 600x600 AND /OR DIAM. 400mm) IN SLABS - PROVIDE GEOTECHNICAL EVALUATION - MULTI USE DEVELOPMENT RCMP DETACHMENT (LOT603), WHITEHORSE, YUKON AND DATED NOVEMBER 3, 2020. ENSURE THAT THE REQUIREMENTS OUTLINED IN THE REPORT ARE READ AND UNDERSTOOD PRIOR TO COMMENCING WITH FOUNDATION WORK.
- BEARING RESISTANCE ULS/SLS OF 112/225 kPa.
- BRING OVER-EXCAVATION AND CAVITIES IN THE FOOTING BASE UP TO THE REQUIRED LEVELS WITH 10 MPa CONCRETE.
- REMOVE ALL ORGANIC MATERIAL FROM THE BUILDING AREA AS OUTLINED IN THE CONCRETE FORMWORK GEOTECHNICAL REPORT.
- PROTECT EXCAVATIONS FOR FOOTINGS FROM RAIN. SNOW. FREEZING TEMPERATURES, STANDING WATER, LOSS OF MOISTURE AND DEGRADATION BY APPROVED METHODS.
- BEARING SURFACES TO BE INSPECTED IN THE FIELD BY A PROFESSIONAL GEOTECHNICAL ENGINEER REGISTERED IN THE YUKON TERRITORY PRIOR TO PLACING CONCRETE.
- GEOTECHNICAL TESTING AGENCY TO BE APPROVED BY AND RESPONSIBLE TO THE ENGINEER AND PAID FOR BY THE CONTRACTOR.
- 8. FOR BACKFILL MATERIAL SEE GEOTECHNICAL REPORT.
- 9. PROVIDE POLYETHYLENE VAPOUR RETARDER (SEE ARCH. SPECIFICATION) UNDER SLABS-ON-GRADE WITH TAPED JOINTS LAPPED 300 mm.

CAST-IN-PLACE REINFORCED CONCRETE

CONCRETE MATERIALS, QUALITY, MIXING, PLACING, FORMWORK AND OTHER

A23.2, AND A23.3.

- 2. SUPPLY CONTROLLED CONCRETE IN ACCORDANCE WITH CSA-A23.1 WITH PROPERTIES NOTED IN CONTROLLED CONCRETE TABLE.
- 3. THE CONCRETE SLAB ON GRADE SHOULD BE TROWELED TO A LEVEL PLANE. 4. USE TYPE GU CEMENT FOR ALL CONCRETE UNLESS NOTED OTHERWISE IN
- CONTROLLED CONCRETE TABLE.
- 5. NOTIFY CONSULTANT 72 HOURS PRIOR TO CONCRETE POURS TO ALLOW FOR **REVIEW OF REINFORCEMENT.**
- 6. DO NOT USE ADMIXTURES CONTAINING CALCIUM CHLORIDE. 7.
- FOR FLOOR SLABS, DESIGN THE CONCRETE MIX WITH AGGREGATE GRADING AND WATER TO CEMENTING MATERIALS RATIO TO MINIMIZE SHRINKAGE.
- PARTY TESTING AND INSPECTION AGENCY APPROVED BY AND RESPONSIBLE TO THE ENGINEER. TESTING AGENCY SHALL BE CERTIFIED TO CSA-A283 AND TESTING TO BE COMPLETED IN ACCORDANCE WITH CSA-A23.2. TESTING PAID FOR BY CONTRACTOR.
- 10. DO NOT PLACE LOAD ON NEW CONCRETE OR POUR NEW CONCRETE ON NEW CONCRETE UNTIL AT LEAST 75% OF ITS 28 DAY STRENGTH IS ATTAINED. CONCRETE QUALITY CONTROL TESTING SHALL BE COMPLETED BY QUALIFIED PERSONNEL AND REPORTS ARE TO BE SUBMITTED TO THE ENGINEER.
- 11. BUILDING IS NOT TO BE PUT INTO SERVICE UNTIL ALL CONCRETE COMPONENTS HAVE CURED FOR 28 DAYS OR PROOF THAT THE 28 DAY STRENGTH HAS BEEN ATTAINED THROUGH QUALITY CONTROL TESTING.
- 12. FILL ALL HOLES IN CONCRETE MEMBERS CAUSED BY CONSTRUCTION PRACTI WITH NON-SHRINK GROUT WITH A COMPRESSIVE STRENGTH EQUAL TO THAT THE CONCRETE.
- 13. RIGID INSULATION UNDER THE CONCRETE FOUNDATION STRUCTURE SHALL BE EXTRUDED POLYSTYRENE TO THIS CHARACTERISTIC: HI-40 UNDER THE SLAB-ON-GRAD & THICKENING
- 14. CONCRETE SHALL NOT BE POURED IN AN UNCONFINED MANNER FROM A HE
- OF MORE THAN 1220mm. 15. ALL BENDS IN PRIMARY REINFORCEMENT TO HAVE A RADIUS OF NOT LESS 3 TIMES THE BAR DIAMETER.
- 16. QUALITY CONTROL TESTING OF THE CONCRETE AND GROUTS MUST BE COMPLETED BY QUALIFIED PERSONNEL AND REPORTS ARE TO BE SUBMITTED
- THE ENGINEER OF RECORD. 17. ALL CONSTRUCTION JOINTS SHALL BE FILLED WITH ELASTOMERIC JOINT SEAL SUCH AS A SIKAFLEX PRODUCT.
- 18. ALL CONTROL JOINTS SHALL BE SAW-CUT TO A DEPTH OF 1/4 OF THE SLAB THICKNESS OR 25mm, WHICHEVER IS GREATER. FILL ALL JOINTS WITH ELASTOMERIC JOINT SEALANT SUCH AS A SIKAFLEX PRODUCT.

CONCRETE REINFORCEMENT

- REINFORCEMENT STEEL TO CONFORM TO CSA-G30.18 GRADE 400W.
- DO NOT WELD REINFORCEMENT UNLESS APPROVED IN WRITING BY THE ENG 2. REINFORCEMENT TO BE WELDED TO CONFORM TO CSA-G30.18, GRADE 400 WELDING ONLY PERMITTED BY AN ORGANIZATION CERTIFIED TO CSA-W186.
- 3. NOTIFY THE ENGINEER PRIOR TO CONCRETE PLACEMENT TO ALLOW FOR REV OF REINFORCEMENT.
- 4. SUBMIT SHOP DRAWINGS AND DETAILS FOR ALL REINFORCEMENT FOR REVIEW PRIOR TO FABRICATION.
- 5. CLEAR CONCRETE COVER TO REINFORCEMENT REFER TO CLEAR CONCRET COVER TO REINFORCEMENT TABLE.
- 6. STANDARD END HOOK LENGTHS FOR REINFORCEMENT REFER TO STANDAR END HOOKS TABLE.
- 7. REINFORCEMENT SPLICES REFER TO REINFORCEMENT SPLICES TABLE.
- 15M BARS EACH SIDE, ONE EACH FACE, EXTENDING 600 mm PAST THE OPENINGS, PLUS TWO 15M DIAGONAL BARS 1.5 TIMES THE LENGTH OF SHORTEST SIDE OF OPENING OR MINIMUM 500 mm AND MAXIMUM 1500 m LENGTH AT EACH CORNER.
- THICKENED SLAB STRIP FOOTINGS HAVE BEEN DESIGNED BASED ON A FACTORED 9. DO NOT CUT REINFORCEMENT AT OPENINGS WHERE IT CAN BE SPREAD CONTINUOUS AROUND OPENING.
 - 10. ALL REINFORCEMENT TO BE SUPPORTED AT 900 mm MAXIMUM SPACING.

- 1. DESIGN, FABRICATION, ERECTION, AND OTHER CONSTRUCTION PRACTICES TO CONFORM TO CAN/CSA-S269.3.
- 2. REFER TO SPECIFICATIONS AND ARCHITECTURAL DRAWINGS FOR CHAMFERS CORNERS FOR BEAMS, COLUMNS, AND WALLS.

13 34 19 METAL BUILDING SYSTEM

- 1. DESIGN, FABRICATION, ERECTION, AND OTHER CONSTRUCTION PRACTICES TO CONFORM TO CSA-S16, CSA-A660, CSA-S136, CSA-G40.20/G40.21, CSSBI STANDARDS AND THE CISC CODE OF STANDARD PRACTICE FOR STRUCTURAL STEEL.
- 2. STEEL TO BE FABRICATED AND ERECTED BY A SHOP CERTIFIED BY THE CANADIAN WELDING BUREAU TO THE REQUIREMENTS OF CSA-W47.1, DIVISION 1 OR 2.1 ONLY.

DESIGN LOADS TO BE READ IN CONJUNCTION WITH DESIGN LOADS DESIGN NOTES MAIN FLOOR						
MAIN_FLOOR	DESIGN LOADS					
	TO BE READ IN CONJUNCTION WITH DESIGN LOADS DESIGN NOTES					
	MAIN FLOOR					
SUPERIMPOSED DEAD LOAD 1.50 kPa	RIMPOSED DEAD LOAD	1.50 kPa				
LIVE LOAD 12.0 kPa	LOAD	12.0 kPa				
ROOFS						
SUPERIMPOSED DEAD LOAD SEE SHOP DRAWINGS	RIMPOSED DEAD LOAD SEE S	SHOP DRAWINGS				
BASIC SNOW LOAD CASE I SEE SHOP DRAWINGS	SNOW LOAD CASE I SEE S	SHOP DRAWINGS				
SNOW LOAD CASE II SEE SHOP DRAWING	I LOAD CASE II SEE S	SHOP DRAWINGS				

- CONSTRUCTION PRACTICES TO CONFORM TO THE LATEST EDITION OF CSA A23.1, 3. SUBMIT CERTIFICATION THAT BUILDING IS IN ACCORDANCE WITH CONTRACT REQUIREMENTS. SUBMIT STRUCTURAL ANALYSIS CERTIFICATION OF BUILDING SYSTEM. SUBMIT CERTIFICATION STATING DESIGN CRITERIA USED AND LOADS ASSUMED IN DESIGN, WHICH PLACES SOLE RESPONSIBILITY FOR DESIGN OF BUILDING COMPONENTS WITH STEEL BUILDING SYSTEMS MANUFACTURER
 - 4. PROVIDE CERTIFICATION FROM STEEL BUILDING SYSTEMS MANUFACTURER THAT ERECTOR IS QUALIFIED TO ERECT SYSTEM.
 - 5. DESIGN STEEL BUILDING SYSTEM TO WITHSTAND LOADS SHOWN IN DESIGN LOAD AND CLIMATIC INFORMATION TABLES . INCLUDING MECHANICAL AND ELECTRICAL SYSTEMS AS INDICATED.
 - 6. SEE ARCH SPECIFICATION FOR BUILDING COMPONENTS SUCH AS A WALL AND ROOF SYSTEMS AND FINISHES.

CONTROLLED CONCRETE							
TO BE READ IN CONJUNCTION WITH CAST-IN-PLACE REINFORCED CONCRETE DESIGN NOTES							
CUASS OF ELEMENT CLASS OF EXPOSU RE CLASS OF EXPOSU RE COMPRESSIVE STRENGTH AT 28 DAYS (MPa) COMPRESSIVE STRENGTH AT 56 DAYS (MPa) COMPRESSIVE STRENGTH AT 56 DAYS (MPa) COMPRESSIVE STRENGTH AT 56 DAYS (MPa) COMPRESSIVE STRENGTH AT 56 DAYS (MPa) COMPRESSIVE STRENGTH AT STRENGTH AT S							
EXTERIOR_CONCRETE							
SLABS ON GRADE, THICKENING*	F-2	30	N/A	20	1	0.55	GU
APRONS*, OUTSIDE SLAB ON GRADE	C-2	32	N/A	20	2	0.45	GU
INTERIOR CONCRETE							
HOUSEKEEPING PADS	N	20	-	20	_	_	GU
USE PREMIXED SURFACE HARDENER ACCEPTABLE PRODUCT SIKA EmeriCrete SH FOR INTERIOR SLAB ON GRADE AND EXTERIOR APRONS, COORDINATE WITH MIX DESIGN.							

5 BEEN														
CTICE	E						ST	'AND/	ARD E	END H	IOOKS	5		
AT OF	CLIMATIC INF		ΑΤΙΟΝ		TO BE READ IN CONJUNCTION WITH CONCRETE REINFORCEMENT DESIGN NOTES									
BE	TO BE READ IN CONJUNCTION WITH			NOTES			10M	15M	20M	25M	30M	35M	45M	55M
	SNOW LOAD (1/50), Ss 2.0 kPa		BAR S	IZE	TOM	ISM	2014	25M	SOM	55M	45M	55M		
HEIGHT	SNOW LOAD (1/50), Sr 2.0 kFd 0.1 kPa 0.1 kPa		90 HOOK											
	HOURLY WIND PRESSURE (1/10) 0.29 kPa				180	260	310	400	510	640	790	1020		
S THAN			180 HOOK	LENGTH	160	200	510	400	510	640	790	1020		
	SEISMIC RESPONSE, So(0.2)		0.33											
TED TO	SEISMIC RESPONSE, So(0.5)		025		-		140	180	210	280	390	550	670	860
	SEISMIC RESPONSE, Sa(1.0)		0.17											
EALANT	SEISMIC RESPONSE, Sa(2.0)		0.09		F		ORCEM	FNIT						
	SEISMIC RESPONSE, S _a (5.0)		0.03		TO BE READ									
_AB	SEISMIC RESPONSE, So(10.0)		0.01					TES						
	SEISMIC RESPONSE, PGA		0.15						ENSION SI	PLICE (mm))			
	SEISMIC RESPONSE, PGV		0.18			COMPRESSION SPLICE HORIZON								
			00	•	BAR SIZE			COMPRESSION SPLICE HORIZONTAL BARS						
NGINEER.	SITE INFOR	RMAT	ION		BAR SIZE (mm) BARS									
00W. 36.	TO BE READ IN CONJUNCTION WITH DESIGN LOADS DESIGN NOTES							UNCOA	TED BARS	UNCOATED	BARS			
REVIEW	IMPORTANCE CATEGORY POST DISASTER		10M		300		400	500						
/IEW	WIND EXPOSURE TYPE		OPEN TE	RRAIN	15M		450		550	750				
	INTERNAL PRESSURE COEFFICIENT		-0.70 TO		20M		600		700	900				
RETE	FOUNDATION SITE CLASS		E		NOTE 1:		LE IS BASED a AND ON I							
DARD					NOTE 2:		IZONTAL BAR			-				
1	CLEAR CONCRE)	1	REINFORC	EMENT PLAC	ED SUCH	I THAT MO	RE THAN 3	00			
						MM OF CONCRETE IS CAST IN THE MEMBER BELOW THE REINFORCEMENT.								
e two	REINFORC				NOTE 3:	FOR STAN	IDARD EMBE	DMENT D	EPTH INTO	CONCRETE	,			
mana INI	TO BE READ IN CONJUNCTION WITH CONC	RETE REI				DIVIDE BA	SIC TENSION	I LAP SP	LICE NUME	BERS BY 1.	3.			
mm IN			EXPOSURE CL											
	EXPOSURE CONDITION	N	F-1, F-2, S-1, S-2, S-3	C-XL, C-1, C-2, C-3, A-1, A-2, A-3										
	CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	-	75 mm	75 mm										
ГО	BEAMS, GIRDERS, COLUMNS, AND PILES TO TIES/STIRRUPS (EXCEPT AS NOTED BELOW)	30 mm	40 mm	60 mm										
S ON	SLABS, WALLS, JOISTS, SHELLS, AND FOLDED PLATES (EXCEPT AS NOTED BELOW)	20 mm	40 mm	60 mm										
	RATIO OF COVER TO NOMINAL BAR DIAMETER	1.0	1.5	2.0										
50	RATIO OF COVER TO NOMINAL MAXIMUM AGGREGATE SIZE	1.0	1.5	2.0										

THE LARGEST COVER REQUIRED FOR ANY ONE ELEMENT SHALL GOVERN.

<u>NOTE</u>



Stantec 4910 53rd Street Yellowknife, NT, X1A 2P4 Tel. 867.920.2882 www.stantec.com

Copyright Reserved

authorized by Stantec is forbidden.

The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that

Consultants

Legend



CONSTRUCTION NORTH

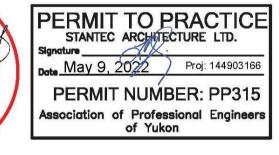
Notes

Revision	Ву	Appd.	YY.MM.DD
0 ISSUED FOR CONSTRUCTION		WLM	22.05.09
Issued	Ву	Appd.	YY.MM.DD
File Name:			

Permit-Seal har MICHAEL J. WHIT 149031 May 9, 202

Client/Project

RCMP



Dwn. Chkd. Dsgn. YY.MM.DD

QUONSET BUILDING

GENERAL NOTES **DESIGN TABLE**

Project No. 144903166

Drawing No.

Scale

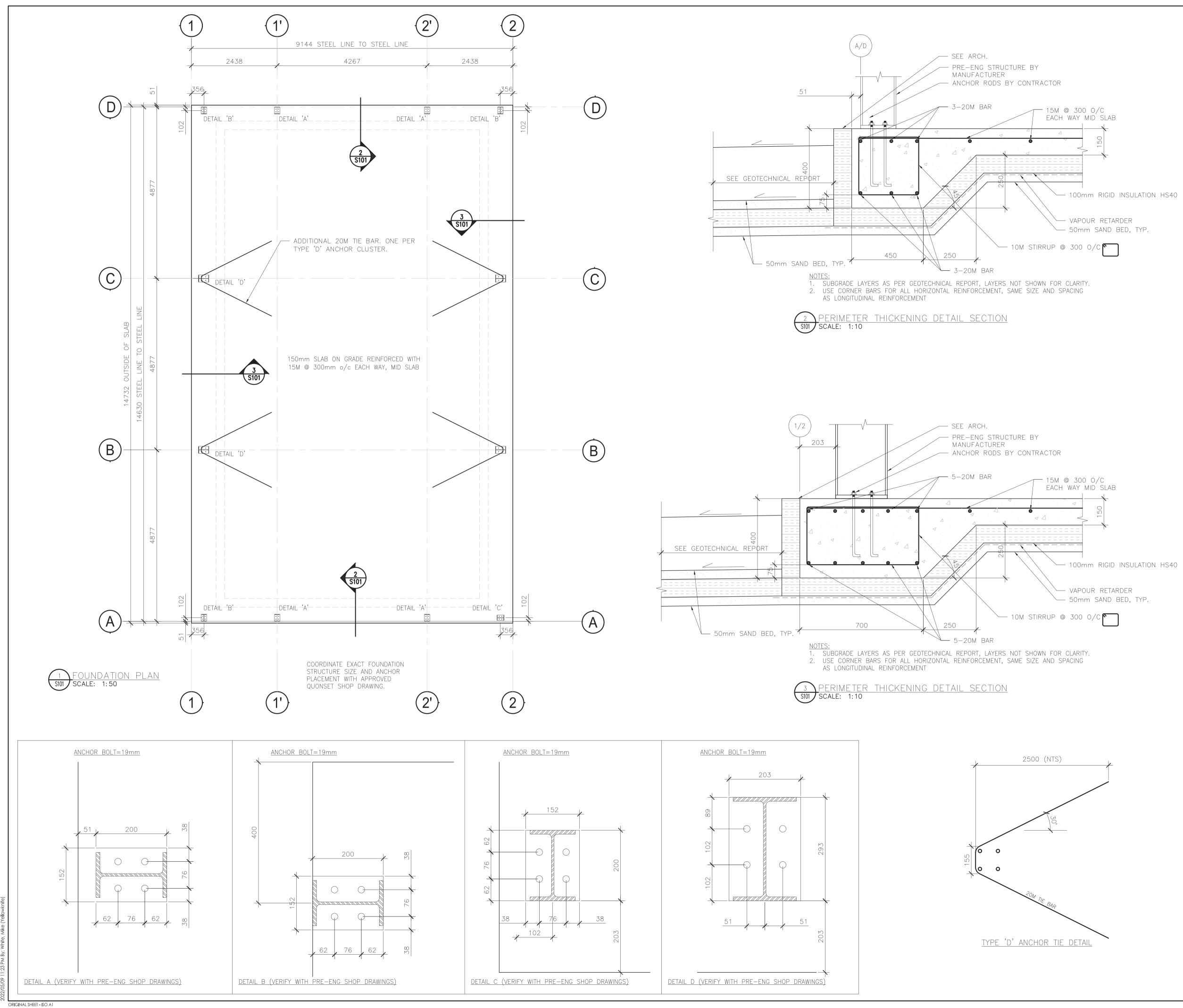
Sheet

Revision

 $\left(\right)$

S00

1 of 2



	N CONSTRUCTION NORTH				
	Notes				
HS40					
	Revision		Ву	Appd.	YY.MM.DD
	0 issued for construction	DN	SS By	MJW Appd.	22.05.09 YY.MM.DD
	File Name:		Chilad		
	Permit-Seal	Dwn.	Chkd.	Dsgn.	YY.MM.DD
	MICHAEL J. W TERRITOR A490316	HITE TOTAL Date May PERM	<u>9, 2022</u> /IT NU n of Pro		ACTICE oj: 144903166 R: PP315 ol Engineers
	TERRITOR 144903166	HITE Dote_May PERN Associatio	<u>9, 2022</u> /IT NU n of Pro	Pr IMBEF	oj: 144903166 R: PP315
	TERRITOR 144903166 ENGINEEP May 9, 202	HITE Dote_May PERN Associatio	<u>9, 2022</u> /IT NU n of Pro	Pr IMBEF	oj: 144903166 R: PP315
	Client/Project	Signature DateMay PERN Associatio	<u>9, 2022</u> /IT NU n of Pro	Pr IMBEF	oj: 144903166 R: PP315
	Client/Project RCMP	Signature Date_May PERN Associatio	<u>9, 2022</u> /IT NU n of Pro	Pr IMBEF	oj: 144903166 R: PP315
	Client/Project RCMP QUONSET BU	Signature Date_May PERN Associatio	<u>9, 2022</u> /IT NU n of Pro	Pr IMBEF	oj: 144903166 R: PP315
	Client/Project RCMP QUONSET BU	Signature Date_May PERN Associatio	<u>9, 2022</u> /IT NU n of Pro	Pr IMBEF	oj: 144903166 3: PP315 ol Engineers
	Client/Project RCMP QUONSET BU	Scale	<u>9, 2022</u> /IT NU n of Pro	Pr IMBER ofession Yukon	oj: 144903166 3: PP315 ol Engineers





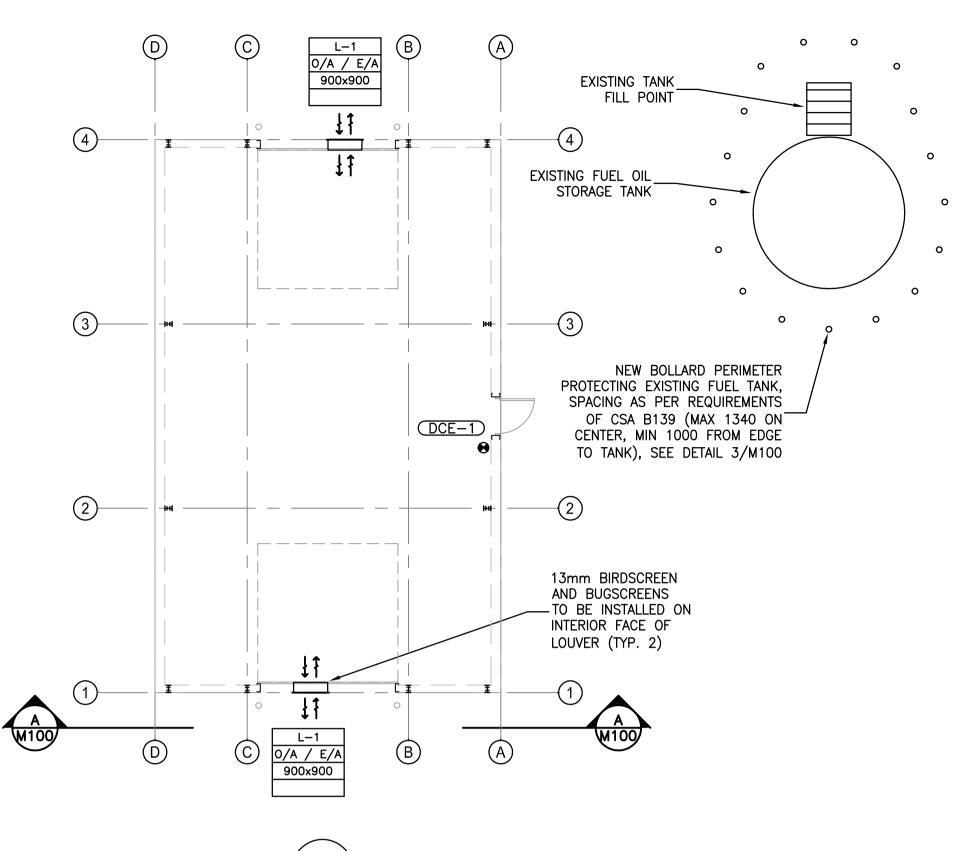
The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay. The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.

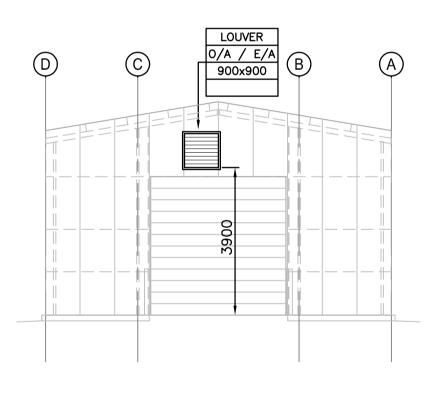
Consultants

Legend



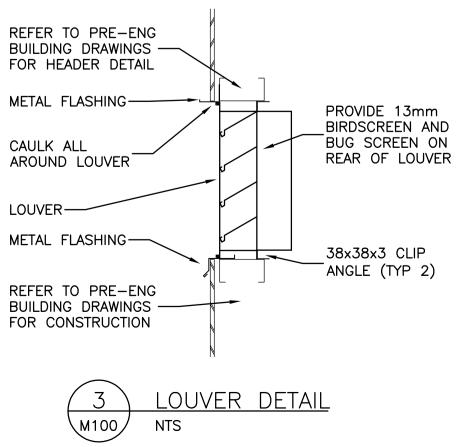


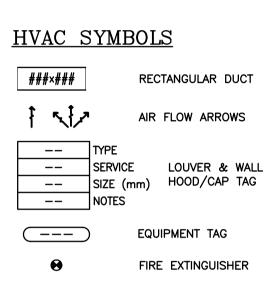






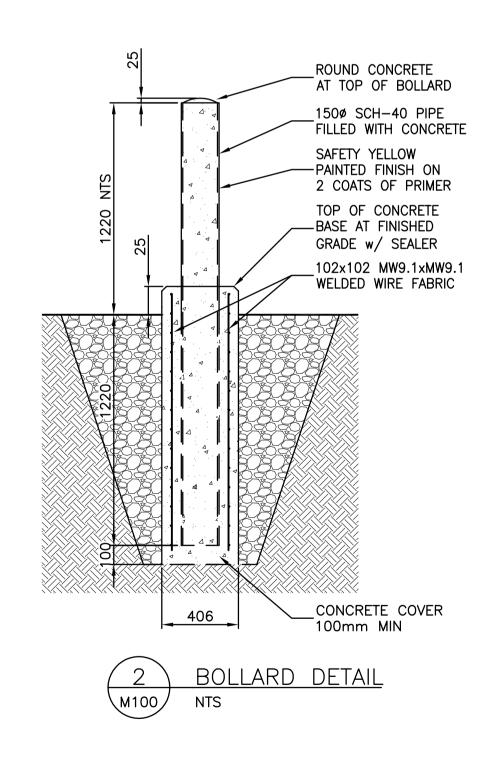
SOUTH EXTERIOR SECTION (NORTH SIMILAR) 1:100





ORIGINAL SHEET - ISO A1

NEW MECHANICAL FLOOR PLAN 1:100



∖M100/

1.0 GENERAL

- 1.1. INTENT .1 The intent of this specification and drawings is to provide a complete layout in complete accord with applicable codes. The Mechanical Contr labor, material, and equipment necessary to complete the mechanical .2 Drawings and specifications are complementary to each other and wha
- binding as if called for by both. Should any discrepancy appear betwee which leaves doubt as to the true intent and meaning, obtain a ruling All work to be done in accordance with:
- National Building Code of Canada 2015 (NBCC)
- National Fire Code of Canada 2015 (NFCC) National Fire Protection Agency 10 (latest edition) (NFPA 10)
- Canadian Standards Association, CSA-B139 series 2015, Installation Code for Oil-Burning Equipment Mechanical drawings indicate general location and route to be followed by mechanical systems and do .4 not show all structural and electrical details. In some cases, mechanical systems are shown diagrammatically in schematic only. Mechanical systems to be installed to provide a complete operating job and to be installed physically to conserve headroom, furring spaces, etc. .5 Scope
- This summary informs but does not supersede the information presented on drawings M100. .2 Provide new louvers on end walls of building for passive ventilation at high level above the overhead doors.
- .3 Provide a new fire extinguisher adjacent the man door.

1.2. LIABILITY

- Assume responsibility for layout work and for damage caused to the Owner, Tenant, or others by .1 improper execution of work. Protect finished and unfinished work from damage. Take responsibility for condition of materials and equipment supplied and protect until work is completed
- and accepted. Reinstate damaged or alterations to match existing conditions, including any fuel spills resulting from work to satisfaction of owner. 1.3. CERTIFICATES
- .1 Give notices, obtain permits, and pay fees so work specified may be carried out. Furnish certificates if requested, as evidence that work conforms with laws and regulations of authorities having jurisdiction.
- 1.4. COORDINATION OF WORK
- Coordinate the schedule with the building maintenance personnel and occupant representative. Provide for continuous owner occupancy of areas adjacent to work area throughout the duration of the .2 work. Owner will vacate work area prior to project work starting.
- Cooperate and coordinate with other trades on the project. Make reference to electrical, structural and architectural drawings when setting out work. Consult with .4 respective Divisions in setting out locations for ductwork, equipment, and piping, so that conflicts are avoided and symmetrical even spacing is maintained. Provide coordination of drawings showing the work of all trades and contractors involved, in areas of potential conflict or congestion. Where dimensional details are required, work with the applicable architectural drawings.
- .6 Full size and detailed drawings shall take precedence over scale measurements from drawings. 1.5 CUTTING AND PATCHING
- .1 Give locations for holes for mechanical equipment and provide sleeves required for the mechanical installations.
- Be responsible for the coordination of cutting and patching of building structure required by mechanical .2 work unless otherwise indicated. Review existing base building structural system prior to commencement of coring and obtain approval from Structural Consultant if required for special conditions (ie. post tension structural slabs).
- 1.6 FLASHING AND ROOF CURBS
- .1 Provide curbs, flash and counter flash where mechanical equipment passes through weather or waterproof walls, floors and roofs.
- 1.7 PAINTING AND IDENTIFICATION
- .1 Paint all new exposed ducts and pipes as indicated on drawing with colours to match interior finishes or in colours to match existing or as directed by the Consultant.
- 1.8 WARRANTEE .1 Provide the Owner with a written guarantee warranting apparatus furnished to remain in serviceable condition for a period of one (1) year from the date of final acceptance by the Owner.
- 1.9 STANDARD OF MATERIALS AND WORKMANSHIP Materials shall be new and of uniform pattern throughout, where specifically identified in this .1
- specification. This is for the purpose of establishing a standard of quality of materials and workmanship and not to limit selection. .2 Workmanship shall follow the best tradition and tradesmanship. Employ only tradesmen properly licensed
- for work requiring tradesman with special skill. 1.10 RECORD DRAWINGS
- Keep on site an extra set of white prints and specifications, recording changes and deviations daily. .2 Upon completion of work provide redline of as-built drawings, in the same scale as the Architectural set to the Owner. These must be submitted within two (2) weeks after substantial completion. Failure to submit drawings will result in the work being done by the Owner and the cost deducted from final payment.
- 1.11 FINAL INSPECTION
- .1 All systems to be fully operational and any deficiencies noted by contractor shall be completed prior to final inspection.
- .2 All deficiencies shall be completed within two (2) weeks after final inspection and letter submitted to Consultant within that time advising that the work is complete. Failure to complete work will result in work being done by the Owner and the costs deducted from final payment.
- 1.12 PROJECT RECORDS MANUALS .1 Turn over all shop drawings, product literature, product data sheets, warrantee sheets, maintenance
- information for inclusion in the project records manual.
- 2.0 FIRE EXTINGUISHERS General: pressurized, dry chemical ULC labeled for A, B and C class protection. .1 Extinguishing agent: fluidized and siliconized mono ammonium phosphate powder, non conductive. Construction: DOT steel cylinder, metal valves and siphon tubes, replaceable molded stem seals, pull-push
- pin upright squeeze operation, pressure gauge. Finish: corrosion and impact resistant polyester/epoxy paint finish. .4
- Identify extinguishers in accordance with recommendations of ANSI/NFPA 10. 5 Attach bilingual English/French tag or label to extinguishers, indicating month and year of installation. .6 Provide space for service dates.
- Mounting bracket: finished steel, chrome plated, wall mounted bracket as type as indicated. Locations as show on drawings. .10 Size and capacity: refer to "Fire Extinguisher Schedule: for acceptable materials.
- 3.0 VENTILATION, DUCTWORK, AND ACCESSORIES Ductwork shall be galvanized steel, lock forming quality. Fabricate in accordance with SMACNA Duct .1 Manual and ASHRAE Handbooks. Ductwork shall meet the requirements of NFPA 90A and 90B and
- conform to applicable codes. .2 All duct joints to be sealed. Sealants and gasketing to be water resistant, fire resistive, and compatible with mating materials. No duct tape shall be allowed for sealing ducts.
- Prior to fabrication of ductwork, check all heights and conflictions with other trades. 3 .4 Duct Sizes: Inside clear dimensions. For acoustically lined or internally insulated ducts maintain sizes inside ducts.
- Duct hangers and spacing shall conform to SMACNA manuals. The minimum sheet metal thickness for low pressure ducts including fittings, access doors, and other .6
- accessories shall be as per SMACNA HVAC Duct Construction Standards. .8 Louvers, grilles and diffusers: refer to "Grille, Diffuser, and Louver Schedule" for acceptable materials
- GRILLE, DIFFUSER, AND LOUVER SCHEDULE MANUFACTURER MODEL No. SIZE (L x W mm) SERVICE DESCRIPTION FINISH TAG No. ANODIZED ALUMINUM FIXED BLADE DRAINABLE LOUVER, LOUVER TO BE INSTALLED PRICE PASSIVE LOUVER L-1 DE439 900x900 WITH 13mm BIRDSCREEN AND BUGSCREEN CLEAR

	FIRE EXTINGUISHER SCHEDULE							
TAG No.	MANUFACTURER	MODEL No.	DESCRIPTION	UL RATING	BRACKET			
DCE-1	-	-	PRESSURIZED DRY CHEMICAL, 4.53 kg	4A-40B:C	STANDARD HANGER WITH QUICK RELEASE MECHANICAL RETENSION STRAP. BRACKET TO MATCH EXTINGUISHER MANUFACTURER.	ACCEPT/ BADGER,		

			g mech provisior	
at is c	awings	ands	one is pecifico	
y nom	the c	Jonsuit	unt.	

REMARKS

REMARKS TABLE MATERIAL: KIDDIE, FIRST ALERT, ER, PYRO-CHEM



Stantec Architecture Ltd. 202-107 Main Street Whitehorse YT Tel. (867) 633-2400 www.stantec.com

Copyright Reserved The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay. The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that

authorized by Stantec is forbidden.

Consultants

Legend

CONSTRUCTION

NORTH

Notes

Revision

lssued

File Name:

Permit-Seal PERMIT TO PRACTICE STANTEC ARCHITECTURE LTD.

ISSUED FOR CONSTRUCTION

28-Apr-2022) 144903166 PERMIT NUMBER: PP315 ssociation of Professional Engineers of Yukon



By

B7

Βv

Dwn.

Appd.

ΒZ

Chkd. Dsgn. YY.MM.DD

YY.MM.DI

22.04.29

Appd. YY.MM.DD

Client/Project RCMP

RCMP STORAGE SHED

MECHANICAL PLANS

Project No. 144903166

Drawing No.

Title

Scale AS SHOWN @ ISO A1

M100

Sheet

lof

Revision