

1 SITE PLAN
1:400

NEW GRIT AND SCREENINGS BUILDING

NO. OF STOREYS: TWO, BUILDING AREA: 489 SQ.M.
BLDG.CLASSIFICATION: MEDIUM HAZARD INDUSTRIAL OCCUPANCY F2

NBC TABLES
3.2.3.1.C & 3.2.3.7

WALL	EBF AREA (SQ.M.)	L.D. (M)	L/H	ALLOWED % OF OPNGS	PROPOSED % OF OPNGS	FRR (HRS)	LISTED DESIGN DESCRIP.	COMB. CONSTR.	CLADDING	NON-COMB. CONSTR.
SOUTH (S-1)	109	11	<3:1	48%	5%*NOTE 1	1HR	WALL TYPE B	--	NON-COMB.	YES
SOUTH (S-2)	78	0	<3:1	0%	0%*NOTE 3	2HRS	WALL TYPE A	--	NON-COMB.	YES
WEST (W-1)	10	0	<3:1	23%	0%*NOTE 1	2HRS	WALL TYPE A	--	NON-COMB.	YES
WEST (W-2)				NOT APPLICABLE - NO FACING WALLS		4HRS	WALL TYPE B	--	NON-COMB.	YES
EAST				NOT APPLICABLE - NO FACING WALLS						
NORTH (N-1)				NOT APPLICABLE - NO FACING WALLS		4HRS	WALL TYPE A&B	--	NON-COMB.	YES

EXISTING STANDBY POWER BUILDING

NO. OF STOREYS: ONE

BLDG.CLASSIFICATION: LOW HAZARD INDUSTRIAL OCCUPANCY F3

NBC TABLES 3.2.3.1.B & 3.2.3.7

WALL	EBF AREA (SQ.M.)	L.D. (M)	L/H	ALLOWED % OF OPNGS	EXISTING % OF OPNGS	FRR (HRS)	LISTED DESIGN DESCRIP.	COMB. CONSTR.	CLADDING	NON-COMB. CONSTR.
EXST SOUTH				NOT APPLICABLE - NOT ADJACENT TO NEW BUILDING/S						
EXST WEST				NOT APPLICABLE - NOT ADJACENT TO NEW BUILDING/S						
EXST EAST				NOT APPLICABLE - NOT ADJACENT TO NEW BUILDING/S						
EXST NORTH (EN-2)	108	1	<3:1	8%*NOTE 2	8%	1HR	WALL TYPE A1	--	NON-COMB.	YES

EXISTING SERVICE BUILDING

NO. OF STOREYS: ONE

BLDG.CLASSIFICATION: LOW HAZARD INDUSTRIAL OCCUPANCY F3

NBC TABLES 3.2.3.1.B & 3.2.3.7

WALL	EBF AREA (SQ.M.)	L.D. (M)	L/H	ALLOWED % OF OPNGS	EXISTING % OF OPNGS	FRR (HRS)	LISTED DESIGN DESCRIP.	COMB. CONSTR.	CLADDING	NON-COMB. CONSTR.
EXST SOUTH				NOT APPLICABLE - NOT ADJACENT TO NEW BUILDING/S						
EXST WEST				NOT APPLICABLE - NOT ADJACENT TO NEW BUILDING/S						
EXST EAST (EE-1)	134	3	<3:1	18%*NOTE 2	18%	--	WALL TYPE A1	--	NON-COMB.	YES
EXST NORTH (EN-1)	42	20	<3:1	100%	14%	--	WALL TYPE A1	--	NON-COMB.	YES

LEGEND

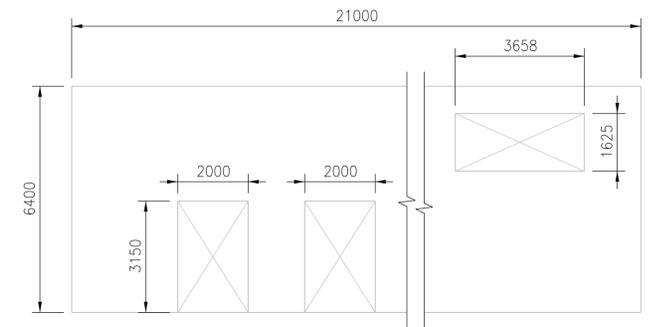
- WALL TYPE A: STONE VENEER CLADDING, AIR SPACE, INSULATION, VAPOUR BARRIER, ON CONCRETE/CMU WALL (SEE DWG BDTL-G001)
- WALL TYPE B: PREFORMED METAL PANEL, AIR SPACE, INSULATION, VAPOUR BARRIER, ON CONCRETE/CMU WALL (SEE DWG BDTL-G001)
- WALL TYPE A1: EXISTING TYNDALL STONE, AIR SPACE, RIGID INSULATION, VAPOUR BARRIER ON CONCRETE/CMU WALL

NOTES

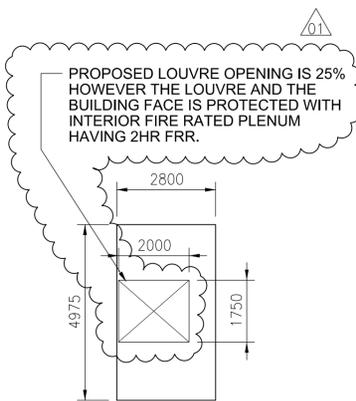
1. PROPOSED PERCENTAGE OF OPENING IS 0 PROVIDED THAT LOUVER OPENING TO PLENUM HAVING 1HR FRR AND PROTECTED WITH FIRE RATED DAMPER.
2. FACING NEW PROTECTED OPENING IN A FIRE RATED WALL.
3. PROPOSED PERCENTAGE OF OPENING IS 0 PROVIDED THAT LOUVER IS PROTECTED WITH FIRE RATED DAMPER.

LEGEND

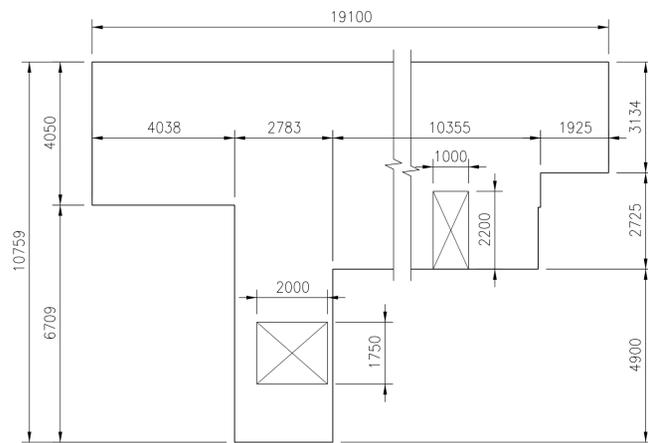
- EXISTING FACILITY
- NEW FACILITY/ EXTENSION
- FUTURE FACILITY
- FIRE ROUTE
- ENTRANCE / EXIT
- MAIN ENTRANCE
- EXST ROAD
- EXST OPEN TO AIR TANK
- FH FIRE HYDRANT
- IMAGINARY LINE (LIMITING DISTANCE)



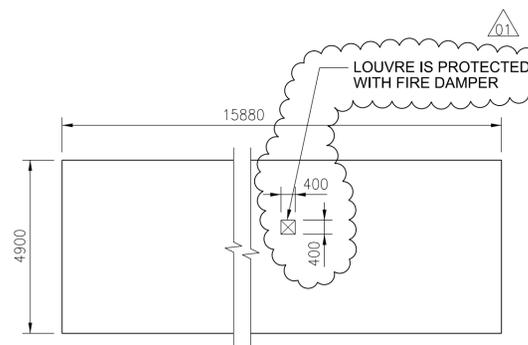
7 EBF AREA: 134 sq.m.
SERVICE BUILDING - EAST FACADE (EE-1)
1:100



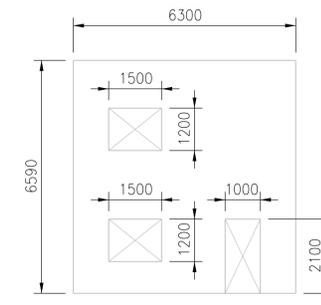
2 EBF AREA: 10sq.m.
GRIT & SCREENING BUILDING - WEST FACADE (W-1)
1:100



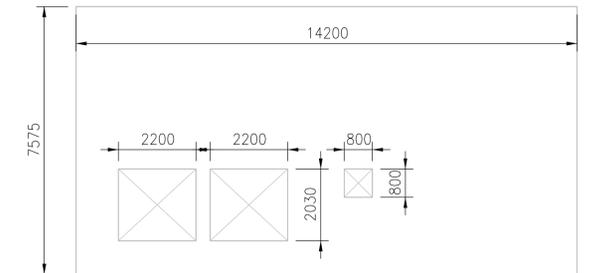
3 EBF AREA: 109 sq.m.
GRIT & SCREENING BUILDING - SOUTH FACADE (S-1)
1:100



4 EBF AREA: 78 sq.m.
GRIT & SCREENING BUILDING - SOUTH FACADE (S-2)
1:100



5 EBF AREA: 42 sq.m.
SERVICE BUILDING - NORTH FACADE (EN-1)
1:100



6 EBF AREA: 108 sq.m.
STANDBY POWER BUILDING - NORTH FACADE (EN-2)
1:100



NO.	REVISIONS	DATE	DESIGN	CHECK
01	ISSUED FOR ADDENDUM 5 - 976-2016	2017/07/14	R.B.	J.C.
00	ISSUED FOR CONSTRUCTION - 976-2016	2017/04/05	J.L.	J.C.

CH2MHILL CANADA Architects Inc.

DESIGNED BY: R. ZAKKO
DRAWN BY: R. BATHAN
SCALE: AS SHOWN

CHECKED BY: B. KOLIS-HUPA
APPROVED BY: H.T. FREIHAMMER
ISSUED FOR CONSTRUCTION BY: J. SHUMKA
DATE: 2017/04/05

CONSULTANT NO.: 474248

ENGINEER'S SEAL

July 14, 2017

PROVINCE OF MANITOBA REGISTERED ARCHITECT

REID ZAKKO

THE CITY OF WINNIPEG
Winnipeg WATER AND WASTE DEPARTMENT

SOUTH END WATER POLLUTION CONTROL CENTRE
SEWPCC UPGRADING/EXPANSION PROJECT
BUILDING
GRIT AND SCREENINGS BUILDING
SITE PLAN AND SPATIAL SEPARATION CALCULATION

CITY DRAWING NUMBER: 1-0102-BAAA-G002
SHEET: 01
REV: 01
SIZE: A1