TOWN OF SMITH FALLS

PUBLIC WORKS OPERATIONS CENTRE

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

ISSUED FOR PERMIT AND TENDER

2026-06-29



ARCHITECTURAL, MECHANICAL & ELECTRICAL

IDEA

310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

STRUCTURAL

D+M STRUCTURAL ENGINEERING

D+M Structural Ltd.
110 - 333 Preston Street, Ottawa, ON, K1S 5N4
Phone: (613) 651-9490

CIVIL

RCI Robinson Consultants

2936 Baseline Rd,
OTTAWA | ONTARIO | CANADA | K2H 1B3
T 613.592.6060
rcii.com

SHEET NAME
COVER SHEET

SHEET NO
A000

D (24"x36")

C:\Users\jvenagos\Documents\26539_Arch_Central_2024_jvenagos.rvt
2026-07-09 4:02:04 PM

SYMBOLS LEGEND

VIEW MARKERS

BUILDING SECTION
DETAIL NUMBER
SHEET REFERENCE

WALL SECTION
DETAIL NUMBER
SHEET REFERENCE

DETAIL SECTION
DETAIL NUMBER
SHEET REFERENCE

ENLARGED DETAIL REFERENCE
REFERENCE TYPE
DETAIL NUMBER
SHEET REFERENCE

EXTERIOR ELEVATION
DETAIL NUMBER
SHEET REFERENCE

INTERIOR ELEVATION
REFERENCE TYPE
DETAIL NUMBER
SHEET REFERENCE

TAG TYPES

ROOM TAG
NAME
NUMBER

FINISH / MATERIAL TAG

CEILING TAG
CEILING TYPE
HEIGHT

WALL / PARTION, FLOOR & ROOF TAG

SCREENS & CURTAIN WALL TAG

WINDOW TAG

DOOR TAG
DOOR NUMBER
FIRE RATING

REVISION TAG
NUMBER

DATUM MARKERS

ELEVATION DATUM
RELETIVE LEVEL (m)
LEVEL NAME

COLUMN GRID DESIGNATION

SPOT ELEVATION

FLOOR PLAN LEGEND

DENOTES AREA NOT IN CONTRACT (NIC)

EXISTING PARTITION TO BE DEMOLISHED

EXISTING PARTITION TO REMAIN

NEW PROPOSED PARTITION

EXISTING DOOR TO BE DEMOLISHED

EXISTING DOOR TO REMAIN

NEW PROPOSED DOOR

EXISTING PLUMBING FIXTURE TO BE DEMOLISHED

EXISTING PLUMBING FIXTURE TO REMAIN

PROPOSED NEW PLUMBING FIXTURE

REFLECTED CEILING PLAN LEGEND

ACT - SUSPENDED ACOUSTIC CEILING TILE - EXISTING TO DEMOLISH

ACT - SUSPENDED ACOUSTIC CEILING TILE- EXISTING TO REMAIN

ACT - SUSPENDED ACOUSTIC CEILING TILE - PROPOSED

GWB - GYPSUM BD. CEILING - EXISTING TO DEMOLISH

GWB - GYPSUM BD. CEILING - EXISTING TO REMAIN

GWB - GYPSUM BD. CEILING - PROPOSED

CEILING SYMBOL LEGEND

INDICATES SUSPENED LIGHT FIXTURE - SEE ELECTRICAL DWGS.

INDICATES 610x1220 RECESSED MOUNTED LIGHT FIXTURE - SEE ELECTRICAL DWGS.

INDICATES 610x610 RECESSED MOUNTED LIGHT FIXTURE - SEE ELECTRICAL DWGS.

INDICATES PENDANT LIGHT FIXTURE - SEE ELECTRICAL DWGS.

INDICATES LIGHT FIXTURE TO BE DEMOLISHED - SEE ELECTRICAL DWGS.

INDICATES LIGHT FIXTURE TO BE DEMOLISHED - SEE ELECTRICAL DWGS.

INDICATES LIGHT FIXTURE TO BE DEMOLISHED - SEE ELECTRICAL DWGS.

INDICATES LIGHT FIXTURE TO BE DE REMAIN - SEE ELECTRICAL DWGS.

INDICATES LIGHT FIXTURE TO BE REMAIN - SEE ELECTRICAL DWGS.

INDICATES LIGHT FIXTURE TO BE REMAIN - SEE ELECTRICAL DWGS.

INDICATES LINEAR CEILING MOUNTED SUPPLY AIR DIFFUSER - SEE MECHANICAL DWGS.

INDICATES SUPPLY AIR DIFFUSER - SEE MECHANICAL DWGS.

INDICATES LINEAR CEILING MOUNTED SUPPLY AIR DIFFUSER TO BE RETAINED - SEE MECHANICAL DWGS.

INDICATES SUPPLY AIR DIFFUSER TO BE DEMOLISHED - SEE MECHANICAL DWGS.

INDICATES LINEAR CEILING MOUNTED SUPPLY AIR DIFFUSER TO REMAIN - SEE MECHANICAL DWGS.

INDICATES SUPPLY AIR DIFFUSER TO REMAIN - SEE MECHANICAL DWGS.

MATERIALS CUT PATTERN

STEEL
ALUMINUM
CONCRETE
BRICK
CMU
MORTAR
WOOD FINISH
WOOD BOARD TYPES
GWB
SAND
GRASS
CLEAR STONE
COMPACTED FILL
BACKFILL
UNDISTURBED SOIL
STONE
SPRAY FOAM
RIGID INSULATION
SEMI-RIGID INSULATION
BATT INSULATION
PLYWOOD

ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE
ADD	ADDITIONAL
ADJ	ADJUSTABLE
AFF	ABOVE FINISH FLOOR
ALUM	ALUMINUM
APPX	APPROXIMATELY
BD	BOARD
BFO	BARRIER FREE OPERATOR
BIT	BITUMINOUS
BLDG	BUILDING
BLK	BLACK
BLKG	BLOCKING
BM	BEAM
BN	BENCH
BOT	BOTTOM
BC	BRICK COURSE
BUR	BUILT-UP ROOF
CB	CATCH BASIN
CBD	CHALKBOARD
CH	COAT HOOK
CI	CAST IRON
CIP	CAST-IN-PLACE
CJ	CONTROL JOINT
CMU	CONCRETE MASONRY UNIT
CEM	CEMENT
CLG	CEILING
CLR	CLEARANCE
CLO	CLOSET
COL	COLUMN
COMP	COMPRESSIBLE
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
CPT	CARPET
CRS	COURSES
CT	CERAMIC TILE
CUB	COLUMN UTILITY BOX
DF	DRINKING FOUNTAIN
DET	DETAIL
DIA	DIAMETER
DN	DOWN
DR	DOOR
DWG	DRAWING
EA	EACH
ENC	ENCLOSURE
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EQ	EQUAL
EQUIP	EQUIPMENT
ERD	EMERGENCY DRAIN ROOF
EWC	ELECTRIC WATER COOLER
EXIST	EXISTING
EXP	EXPOSED
EXT	EXTERIOR
F	FLUSH
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FHC	FIRE HOSE CABINET
FD	FLOOR DRAIN
FDN	FOUNDATION
FFT	FINISHED FLOOR TRANSITION
FIN	FINISH
FLR	FLOOR
FLUOR	FLUORESCENT
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FTG	FOOTING
FIXT	FIXTURE
FRR	FIRE RESISTANCE RATING
FT	FEET
FUB	FLOOR UTILITY BOX
GA	GAUGE
GALV	GALVANIZED
GD	GARBAGE BIN
GC	GENERAL CONTRACTOR
GL	GLASS
GB	GRAB BAR
GWB	GYPSUM WALL BOARD
GYP	GYPSUM
HC	HOLLOW CORE OR HANDICAP ACCESSIBLE
HDW	HARDWARE
HD	HAND DRYER
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HP	HIGH POINT
HGT	HEIGHT
HTR	HEATER
HVAC	HEATING, VENTILATION, AND AIR CONDITIONING
IN	INCH
INCAN	INCANDESCENT
INCL	INCLUDING
INS	INSULATION
INT	INTERIOR
JAN	JANITOR
JC	JANITOR CLOSET
JT	JOINT
LP	LOW POINT
LAM	LAMINATED
LV	LAVATORY
LK	LOCKER
LINO	LINOLEUM
LTG	LIGHTING
MAT	MATERIAL
MB	MAIL BOX
MO	MASONRY OPENING
MC	METAL CLADDING
MAX	MAXIMUM
MECH	MECHANICAL
MEMB	MEMBER
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MIR	MIRROR
MSS	MOP STRIP AND SHELF
MTL	METAL
MW	MILLWORK
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
NO	NUMBER
OC	ON CENTRE
OD	OUTSIDE DIAMETER OR OVERFLOW DRAIN
OHD	OVERHEAD DOOR
OHG	OVERHEAD GRILL
OPNG	OPENING
OPP	OPPOSITE
OPPH	OPPOSITE HAND
PC	PRECAST
PGL	PLATE GLASS
PTN	PARTITION
PL	PLATE
PLAM	PLASTIC LAMINATE
PLUM	PLUMBER
PTD	PAPER TOWEL DISPENSER
PT	PAINT
PVC	POLYVINYL CHLORIDE
QT	QUARRY TILE
QTY	QUANTITY
R	RADIUS OR RISER
RA	RETURN AIR
RD	ROOF DRAIN
REG	REGISTER
RO	ROUGH OPENING
REINF	REINFORCING
REQ	REQUIRED
RM	ROOM
REV	REVISION OR REVERSE
RSL	RESILIENT FLOORING
S	SHELF
SAB	SOUND ATTENUATION BATT INSULATION
SC	SOLID CORE
SD	SOAP DISPENSER
SECT	SECTION
SFRM	SPRAY APPLIED FIRE RESISTIVE MATERIAL
SH	SHOWER
SHC	SHOWER CURTAIN
SHR	SHOWER ROD
SHT	SHEET
SIM	SIMILAR
SND	SANITARY NAPKIN DISPOSAL
SPEC	SPECIFICATIONS
SPP	SOLID PHENOLIC TOILET PARTITION
SSTL	STAINLESS STEEL
STD	STANDARD
STL	STEEL
SUSP	SUSPENDED
SQ	SQUARE
STRUC	STRUCTURAL
STOR	STORAGE
STA	STATION
T	TREAD
TBD	TACKBOARD
TD	TRENCH DRAIN
THK	THICKNESS
TEL	TELEPHONE
TO	TOP OF
TOC	TOP OF CONCRETE
TOF	TOP OF FOOTING
TOR	TOP OF RAIL
TOS	TOP OF STEEL
TOW	TOP OF WALL
TTD	TOILET TISSUE DISPENSER
TRT	TREATED
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VIF	VERIFY IN FIELD
VP	VENEER PLASTER
VWC	VINYL WALL COVERING
W/	WITH
WD	WOOD
WC	WATER CLOSET
WF	WIDE FLANGE
WV	WOOD VENEER
WPR	WATERPROOFING
W/O	WITHOUT
WWF	WELDED WIRE FABRIC
WDW	WINDOW
WUB	WALL UTILITY BOX
&	AND
<	ANGLE
"	INCH
'	FEET
@	AT
CL	CENTRELINE
[	CHANNEL
#	NUMBER
⌀	DIAMETER

GENERAL DEMOLITION NOTES

1. ALL WORK MUST COMPLY TO APPLICABLE BUILDING CODES AND STANDARDS.
2. REFER TO THE DRAWINGS & SPECIFICATIONS OF THE DIFFERENT DISCIPLINES FOR THE WORK TO BE COORDINATED WITH THEM.
3. REFER ALSO TO MECHANICAL & ELECTRICAL DRAWINGS FOR EXTENT OF REMOVALS. WHERE EXISTING M&E IS REMOVED, CAP OFF PIPING, DUCTWORK, CONDUIT, ETC. BELOW FLOOR, ABOVE CEILING, AND BEYOND WALL. PATCH FLOORS, WALLS, & CEILINGS WITH NEW CONSTRUCTION TO MATCH EXISTING ADJACENT CONSTRUCTION. CHIP OUT AS REQUIRED TO PROVIDE PROPER BONDING OF NEW TO EXISTING. ALL WORK TO BE COORDINATED/PERFORMED BY THE GENERAL CONTRACTOR. PREPARE FOR NEW FINISHES (SEE FINISH SCHEDULE).
4. THE CONTRACTOR SHALL VERIFY ALL PLANS, DIMENSIONS, DETAILS, SPECIFICATIONS & SITE CONDITIONS & SHALL NOTIFY THE ARCHITECT OF ANY DISAGREEMENT OR OMISSION.
5. NO MEASUREMENT SHOULD BE TAKEN DIRECTLY ON THE PLANS.
6. ALL DIMENSIONS SHOWN ON THE PLANS ARE APPROXIMATE & IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VALIDATE THEM ON SITE.
7. THE CONTRACTOR SHALL PROTECT ALL SPACES IN THE BUILDING THAT ARE NOT INCLUDED IN THE CONTRACT.
8. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS & LABOUR NECESSARY TO COMPLETE ALL STAGES OF WORK.
9. CONTRACTOR TO PROVIDE FLOOR, WALL, CEILING, FURNITURE, & FIXTURE PROTECTION IN ALL AREAS BEYOND SCOPE OF PROJECT WORK.
10. CONTRACTOR TO PROVIDE DUST CONTROL & MAINTAIN AIR SEPARATION TO ALL AREAS BEYOND SCOPE OF PROJECT WORK.
11. STAMPED ENGINEERED SHOP DRAWINGS FOR ALL HOARDING AND HOARDING GATES TO BE SUBMITTED BY CONTRACTOR.
12. BEFORE INTERRUPTING BUILDING SERVICES SUCH AS MECHANICAL, ELECTRICITY, WATER, GAS, ETC. THE CONTRACTOR MUST NOTIFY THE LANDLORD AT LEAST 72 HOURS IN ADVANCE & OBTAIN APPROVAL.
13. EXISTING EXTERIOR AND DEMISING WALLS TO REMAIN AND BE PROTECTED. CONTRACTOR TO REPAIR ANY DAMAGES TO THE SATISFACTION OF THE ARCHITECT.
14. ONCE WORK IS COMPLETE, CLEAN ENTIRE AREA (FLOORS, WALLS, DOORS, CEILINGS).
15. REMOVE ALL ITEMS NOTED ON THE DEMOLITION PLANS AND DISPOSE OFF SITE AS PER WASTE MANANGEMENT SPECIFICATIONS, UNLESS OTHERWISE INDICATED.
16. ALL EXISTING PARTITION WALLS TO BE DEMOLISHED ARE FROM SLAB TO SLAB, OR FROM FLOOR TO CEILING.
17. THE CONTRACTOR SHALL PROTECT ALL EXISTING WALLS, SURFACES AND ACCESSORIES THAT WILL BE RETAINED DURING THE DEMOLITION WORK.
18. WHERE EXISTING DOORS, WINDOWS, AND WALLS ARE NOTED TO BE REMOVED, REMOVE TO LIMITS OF CONSTRUCTION. PATCH, REPAIR, AND MAKE GOOD EXISTING ADJACENT FLOOR, WALLS, AND CEILING CONSTRUCTION TO MATCH EXISTING ADJACENT CONSTRUCTION. PREPARE FOR NEW FINISHES (SEE FINISH SCHEDULE).
19. REMOVE EXISTING CEILINGS AS REQUIRED FOR ACCESS TO AND/OR TO PERFORM WORK OF THE PROJECT. REPLACE/REINSTALL CEILINGS TO MATCH EXISTING ADJACENT CEILINGS.
20. THE CONTRACTOR SHALL REMOVE FROM SITE, WITHOUT DELAY, ALL DEMOLISHED WASTE AND DEBRIS THAT COULD BE HAZARDOUS TO THE BUILDING OCCUPANTS.
21. THE CONTRACTOR SHALL PLACE ALL DEMOLITION WASTE AND DEBRIS IN WASTE CONTAINERS AND DISPOSE OFF SITE. THE CONTRACTOR MUST CARRY THE COST.
22. REMOVE EXISTING TACKBOARDS, ARTWORK, FURNITURE, CASEWORK, AND MISC. WALL FURNISHINGS PRIOR TO PAINTING & REINSTALL. TURNOVER TO OWNER IN AREAS OF REMOVALS FOR NEW CONSTRUCTION. COORDINATE WITH OWNER FOR RELOCATION IF REQUIRED.
23. GENERAL CONTRACTOR TO MAKE GOOD ALL FINISHES WHERE MECHANICAL & ELECTRICAL WORK PENETRATES EXISTING FLOORS, PARTITIONS, & CEILINGS.
24. PATCH EXISTING FLOOR FOR NEW FINISHES. REMOVE EXISTING ADHESIVES, PAINT, AND THE LIKE FOR NEW FINISHES. PATCH HOLES, CHIPS, GOUGES AND THE LIKE. PROVIDE CEMENTITIOUS TOPPING AND/OR GRIND FLOOR TO PROVIDE LEVEL TRANSITIONS WHERE EXISTING PARTITIONS ARE REMOVED.
25. PATCH, MAKE GOOD AND CLEAN ALL SURFACES AFFECTED BY THE WORK.

GENERAL PROJECT NOTES

1. ALL WORK SHALL CONFORM TO THE ONTARIO BUILDING CODE (OBC), LATEST EDITION, INCLUDING ALL AMENDMENTS AND SUPPLEMENTARY STANDARDS.
2. ALL CONSTRUCTION SHALL COMPLY WITH ALL MUNICIPAL BY-LAWS, PROVINCIAL REGULATIONS, AND ANY APPLICABLE FEDERAL REQUIREMENTS.
3. ALL WORK SHALL CONFORM TO ALL APPLICABLE HEALTH AND SAFETY REGULATIONS, INCLUDING THE OCCUPATIONAL HEALTH AND SAFETY ACT (OHSA) AND WHMIS.
4. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL STRUCTURAL, MECHANICAL, ELECTRICAL, CIVIL, LANDSCAPE, AND OTHER CONSULTANT DRAWINGS, SPECIFICATIONS, AND REPORTS.
5. ANY DISCREPANCIES BETWEEN DRAWINGS, CONSULTANT DOCUMENTS, OR SITE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.
6. DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS ONLY. ALL DIMENSIONS SHALL BE VERIFIED ON SITE.
7. THE CONTRACTOR SHALL OBTAIN AND VERIFY ALL DIMENSIONS AND SITE CONDITIONS, AND SHALL BE RESPONSIBLE FOR REPORTING ANY DISCREPANCIES TO THE ARCHITECT.
8. ALL DIMENSIONS ARE TO BE TAKEN TO GRID LINES UNLESS OTHERWISE NOTED.
9. WHERE DIMENSIONED TO WALL FRAMING, DIMENSIONS SHALL BE TAKEN FROM FACE OF STUD TO FACE OF STUD, UNLESS OTHERWISE INDICATED.
10. FINISHES SUCH AS DRYWALL, TILE, OR PANELING ARE NOT INCLUDED IN DIMENSION STRINGS UNLESS SPECIFICALLY NOTED.
11. THE CONTRACTOR SHALL OBTAIN AND POST ALL REQUIRED PERMITS, APPROVALS, AND INSPECTIONS AS REQUIRED BY AUTHORITIES HAVING JURISDICTION.
12. A COPY OF THE APPROVED BUILDING PERMIT AND DRAWINGS SHALL BE KEPT ON SITE AT ALL TIMES.
13. THE CONTRACTOR IS FULLY RESPONSIBLE FOR THE SAFETY AND SECURITY OF THE SITE AND SHALL COMPLY WITH ALL WORKPLACE SAFETY REGULATIONS.
14. PUBLIC ACCESS TO THE SITE SHALL BE RESTRICTED DURING CONSTRUCTION.
15. THE CONTRACTOR SHALL COORDINATE ALL TRADES AND CONSULTANTS FOR THE EXECUTION OF THE WORK.
16. THE CONTRACTOR SHALL VERIFY AND LOCATE ALL EXISTING SERVICES (ELECTRICAL, PLUMBING, GAS, ETC.) BEFORE COMMENCING EXCAVATION OR DEMOLITION.
17. ALL EXISTING STRUCTURES, UTILITIES, AND ADJACENT PROPERTIES SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
18. ALL MATERIALS SHALL BE NEW AND OF APPROVED QUALITY. WORKMANSHIP SHALL BE IN ACCORDANCE WITH BEST INDUSTRY PRACTICES.
19. SUBSTITUTE MATERIALS OR DEVIATIONS FROM SPECIFIED PRODUCTS MUST BE APPROVED IN WRITING BY THE ARCHITECT.
20. PRIOR TO DEMOLITION, ALL SERVICES SHALL BE VERIFIED AND DISCONNECTED AS REQUIRED. ITEMS NOTED TO REMAIN SHALL BE PROTECTED.
21. CONSTRUCTION DEBRIS SHALL BE REMOVED FROM THE SITE REGULARLY IN ACCORDANCE WITH MUNICIPAL WASTE DISPOSAL REGULATIONS.
22. MAINTAIN ALL REQUIRED FIRE-RESISTANCE RATINGS, FIRE SEPARATIONS, AND FIRESTOPPING AS INDICATED ON THE DRAWINGS AND AS REQUIRED BY OBC.
23. ALL PENETRATIONS THROUGH FIRE-RATED ASSEMBLIES SHALL BE PROPERLY SEALED TO MAINTAIN THE REQUIRED FIRE RATINGS.
24. DESIGN AND CONSTRUCTION SHALL COMPLY WITH THE BARRIER-FREE REQUIREMENTS OF OBC SECTION 3.8.
25. PROVIDE ACCESSIBLE PATHS OF TRAVEL, ENTRANCES, AND FACILITIES AS SHOWN ON THE DRAWINGS.
26. CONSTRUCTION SHALL CONFORM TO OBC ENERGY EFFICIENCY REQUIREMENTS, INCLUDING APPLICABLE SB-10 OR SB-12 STANDARDS.
27. COMPLY WITH ALL ENVIRONMENTAL PROTECTION MEASURES INCLUDING EROSION CONTROL, DUST CONTROL, AND NOISE MITIGATION THROUGHOUT THE DURATION OF THE PROJECT.

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

NOT FOR CONSTRUCTION

ISSUANCE

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT AND TENDER

PROJECT NORTH
TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ARCHITECT.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECT.

PROJECT

TOWN OF SMITH FALLS

PUBLIC WORKS OPERATIONS CENTRE

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA # **26539**

CLIENT #

DRAWN BY **MB/IP**

CHECKED BY **CWS**

DATE **2026-06-29**

SCALE **As indicated**

SHEET NAME

ABBREVIATIONS

SHEET NO

A001

D (24"x36")

C:\Users\penagos\Documents\26539_Arch_Central_2024_penagos.rvt

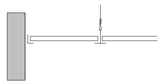
2026-07-09 4:02:06 PM



GC **SUSPENDED GYPSUM CEILING**
- 64mm METAL STUDS AT 400 O/C - SUSPENDED
- 16mm GYPSUM BOARD

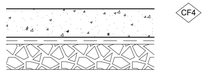
GCm SAME AS GC EXCEPT
- SUBSTITUTE WITH MOISTURE RESISTANT GYPSUM WALL BOARD.

GCx SAME AS GC EXCEPT
- 2 LAYERS OF 16mm TYPE 'X' GYPSUM BOARD

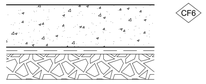


ACT **SUSPENDED ACOUTIC TILE CEILING**
- 610mm X 1220mm SUSPENDED ACOUSTIC TILE
- SUSPENDED BY CROSS 'T', EDGE MOLDING AND HANGINGWIRE SECURED TO DECK OR STRUCTURE ABOVE

2 A020 CEILING TYPES
1 : 10



CF4 **CONCRETE TYPES**
- 102mm REINFORCED CONCRETE SLAB
- 4 mil VAPOUR BARRIER
- COMPACTED GRAVEL

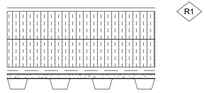


CF8
- 152mm REINFORCED CONCRETE SLAB
- 4 mil VAPOUR BARRIER
- COMPACTED GRAVEL

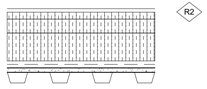


FL1
- 100mm CONCRETE SLAB
- METAL DECKING

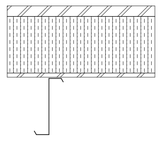
3 A020 FLOOR TYPES
1 : 10



R1 **ROOF TYPES**
- 2-PLY MODIFIED BITUMEN MEMBRANE ROOF
- 200mm SEMI-RIGID EXTRUDED POLYSTYRENE INSULATION BOARD (2x LAYERS OF 100mm)
- SELF-ADHESIVE AVB BARRIER
- 16mm EXTERIOR GRADE ROOF DECK BOARD
- METAL ROOF DECKING

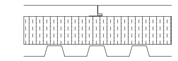


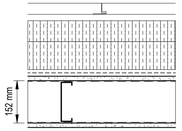
R2
- 2-PLY MODIFIED BITUMEN MEMBRANE ROOF
- 25mm SLOPED SEMI-RIGID EXTRUDED POLYSTYRENE INSULATION BOARD
- 175mm SEMI-RIGID EXTRUDED POLYSTYRENE INSULATION BOARD (1x LAYERS OF 100mm & 1x LAYER OF 75mm)
- SELF-ADHESIVE AVB BARRIER
- 16mm EXTERIOR GRADE ROOF DECK BOARD
- METAL ROOF DECKING



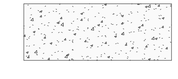
MR
- PRE-ENG METAL STANDING SEAM ROOFING SYSTEM
- 203 SEMI-RIGID MINERAL WOOL INSULATION WITH PRE-ENG THERMAL SUPPORTS
- PRE-ENG METAL LINER PANEL
- PRE-ENG PURLIN STRUCTURE

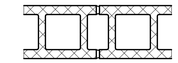
4 A020 ROOF TYPES
1 : 10













MC1 MC2 MC3 **EXTERIOR CLADDING**
- PRE-ENG METAL SIDING (SEE SPECIFICATION FOR MATERIAL AND ELELVATION FOR LOCATION)
- PRE-ENG GIRT C/W MINERAL WOOL INSULATION.
- PRE-ENG METAL LINER PANEL, ALL JOINTS TO BE SEALED.

PRE-ENG WALL CONSTRUCTION TO BE COORDINATED WITH MANUFACTURER.

MC4 MC5
- PREFORMED METAL SIDING (SEE SPECIFICATION FOR MATERIAL AND ELELVATION FOR LOCATION)
- 102mm ADJUSTABLE VERTICAL THERMAL CLIPS WITH 102mm HORIZONTAL Z-GIRT. FILL WITH 75mm TYPE 1 MINERAL WOOL INSULATION (OUTER LAYER) AND 102mm TYPE 2 MINERAL WOOL INSULATION (INNER LAYER).
- SELF-ADHESIVE AVB MEMBRANE
- 16mm EXTERIOR GRADE SHEATHING
- 152mm METAL STUDS AT 406 C/C
- 16mm GYPSUM BOARD

I4.0 **FOUNDATION INSULATION**
- STRUCTURAL FOUNDATION WALL
- WATER PROOFING MEMBRANE SYSTEM (BELOW GRADE) WITH DRAINAGE BOARD.
- 50mm PRE-FACED CEMENT BOARD INSULATION & 50mm EXTRUDED POLYSTYRENE RIGID INSULATION (TOP 610mm OF FOUNDATION WALL) + 100mm EXTRUDED POLYSTYRENE RIGID INSULATION (REMAINDER OF WALL TO TOP OF FOOTINGS)

I4.1
- STRUCTURAL FOUNDATION WALL
- 100mm EXTRUDED POLYSTYRENE RIGID INSULATION (INTERIOR SIDE) FROM TOP OF FOOTINGS TO UNDERSIDE OF CONCRETE SLAB.

C8 **CONCRETE WALL**
- 200mm CONCRETE WALL, REFER TO STRUCTURAL DRAWINGS

B8 **CONCRETE BLOCK**
- 190mm HOLLOW CORE CONCRETE BLOCK (S or N (Normial Weight))

B8x AS B8 EXCEPT
- 190mm 75% SOLID CONCRETE BLOCK (S or N (Normial Weight)) (SB-2 2HR EQUIVALENT THICKNESS FIRE RESISTANCE RATING)

B10x AS B8 EXCEPT
- 240mm HOLLOW CORE CONCRETE BLOCK (S or N (Normial Weight)) (SB-2 2HR EQUIVALENT THICKNESS FIRE RESISTANCE RATING)

ALL COMPONENTS SHALL EXTEND TO UNDERSIDE OF DECK/SLAB ABOVE.

M4 **METAL STUD**
- 16mm GYPSUM BOARD
- 92mm METAL STUDS AT 406 C/C
- 16mm GYPSUM BOARD

M4s SAME AS M4 EXCEPT
- 92mm METAL STUDS AT 406 C/C C/W 90mm SOUND ATTENUATING BATT INSULATION

M6s SAME AS M4 EXCEPT
- 152mm METAL STUDS AT 406 C/C C/W 90mm SOUND ATTENUATING BATT INSULATION

M44st SAME AS M4s EXCEPT
- SUBSTITUTE WITH TILE BACKER BOARD WHERE TILE INSTALLED, REFER TO FINISHES PLANS AND ELEVATIONS FOR LOCATIONS.

M6st SAME AS M4st EXCEPT
- 152mm METAL STUDS AT 406 C/C C/W 90mm SOUND ATTENUATING BATT INSULATION

M41 SAME AS M4 EXCEPT
- SUBSTITUTE WITH TILE BACKER BOARD WHERE TILE INSTALLED, REFER TO FINISHES PLANS AND ELEVATIONS FOR LOCATIONS.

M48 SAME AS M4 EXCEPT
- SUBSTITUTE BOTH LAYERS OF GYPSUM BOARD WITH TILE BACKER BOARD WHERE TILE INSTALLED, REFER TO FINISHES PLANS AND ELEVATIONS FOR LOCATIONS.

ALL COMPONENTS SHALL EXTEND TO UNDERSIDE OF DECK/SLAB ABOVE.

1 A020 WALL TYPES
1 : 10



M4x **METAL STUD - FIRE RATED**
- 16mm TYPE 'X' GYPSUM BOARD
- 92mm METAL STUDS AT 406 C/C C/W 90mm SOUND ATTENUATING BATT INSULATION
- 16mm TYPE 'X' GYPSUM BOARD

1 HOUR FIRE RESISTANCE RATING
U.L.C. DESIGN No. W407 & OBC SB-3 (S4a)

M6x SAME AS M4x EXCEPT
- 152mm METAL STUDS AT 406 C/C C/W 150mm SOUND ATTENUATING BATT INSULATION

1 HOUR FIRE RESISTANCE RATING
U.L.C. DESIGN No. W407 & OBC SB-3 (S7a)

M4xx SAME AS M4x EXCEPT
- 2 LAYERS OF 16mm TYPE 'X' GYPSUM BOARD (BOTH SIDES)

2 HOUR FIRE RESISTANCE RATING
U.L.C. DESIGN No. W407 & OBC SB-3 (S6a)

M6xx SAME AS M4xx EXCEPT
- 152mm METAL STUDS AT 406 C/C C/W 150mm SOUND ATTENUATING BATT INSULATION

2 HOUR FIRE RESISTANCE RATING
U.L.C. DESIGN No. W407 & OBC SB-3 (S9a)

ALL COMPONENTS SHALL EXTEND TO UNDERSIDE OF DECK/SLAB ABOVE.



S3x **SHAFT WALL - FIRE RATED**
- 16mm TYPE 'X' GYPSUM BOARD
- 65mm 25ga C-H STUDS @ 610mm o.c.
- 25mm GYPSUM LINER PANEL

1 HOUR FIRE RESISTANCE RATING
U.L.C. DESIGN No. W415 SYSTEM A

S3xx AS S3x EXCEPT
- 2x LAYERS OF 12.7mm TYPE 'C' GYPSUM BOARD IN LIEU OF 16mm TYPE 'X'.

2 HOUR FIRE RESISTANCE RATING
U.L.C. DESIGN No. W415 SYSTEM B

F0t **METAL STUD - FURRING**
- 16mm GYPSUM BOARD, SUBSTITUTE WITH TILE BACKER BOARD WHERE TILE INSTALLED, REFER TO FINISHES PLANS AND ELEVATIONS FOR LOCATIONS.



F4 **METAL STUD - FURRING**
- 16mm GYPSUM BOARD
- 92mm METAL STUDS AT 406 C/C

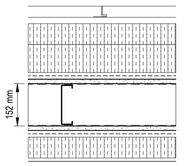
F4s AS F4 EXCEPT
- INCLUSION OF 90mm MINERAL WOOL BATT INSULATION IN STUD CAVITY..

F4t AS F4 EXCEPT
- SUBSTITUTE WITH TILE BACKER BOARD WHERE TILE INSTALLED, REFER TO FINISHES PLANS AND ELEVATIONS FOR LOCATIONS.

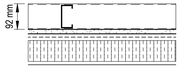
F4p AS F4 EXCEPT
- SUBSTITUTE WITH FIRE RATED PLYWOOD.

ALL COMPONENTS SHALL EXTEND TO UNDERSIDE OF DECK/SLAB ABOVE.

F4xx AS F4 EXCEPT
- 2x LAYERS OF TYPE 'X' 16mm GYPSUM BOARD



RP1 **ROOF PARAPET WALLS**
- PREFORMED METAL SIDING (SEE SPECIFICATION AND ELEVATION)
- 102mm ADJUSTABLE VERTICAL THERMAL CLIPS WITH 102mm HORIZONTAL Z-GIRT. FILL WTIH 75mm TYPE 1 MINERAL WOOL INSULATION (OUTER LAYER) AND 102mm TYPE 2 MINERAL WOOL INSULATION (INNER LAYER).
- SELF-ADHESIVE AVB MEMBRANE
- 16mm EXTERIOR GRADE SHEATHING
- 152mm METAL STUDS AT 406 C/C
- 16mm EXTERIOR GRADE SHEATHING
- SELF-ADHESIVE AVB MEMBRANE
- 75mm SEMI-RIGID INSULATION
- 2-PLY MODIFIED BITUMINOUS ROOF MEMBRANE



RP2
- 92mm METAL STUDS AT 406 C/C
- 16mm EXTERIOR GRADE SHEATHING
- SELF-ADHESIVE AVB MEMBRANE
- 75mm SEMI-RIGID INSULATION
- 2-PLY MODIFIED BITUMINOUS ROOF MEMBRANE

GENERAL NOTES VERTICAL ASSEMBLIES

1. SEE TYPICAL DETAILS FOR COLUMN GWB CONFIGURATION CONDITIONS. COORDINATE STRUCTURAL COMPONENT GEOMETRY, AND PROPOSED BUILDING SERVICES PRIOR TO PLACING MTL FRAMING. REQUEST CLARIFICATIONS AS MAY BE REQUIRED PRIOR TO FRAMING.
2. CROSS-BRACE ALL PARTITIONS NOT SECURED TO U/S STRUCTURE ABOVE. FOR KNEE-WALL CONDITIONS, PROVIDE CONCEALED MISC. STL (HSS) POST SECURED TO FLOOR STRUCTURE, TYP UNO.
3. PROVIDE BASIC GWB FURRING FOR PIPING INSTALLED IN FINISHED AREAS. PIPING LOCATED ABOVE GRADE AND INSIDE THE BUILDING SHALL BE CONCEALED WITH GWB FURRING UNO WITH THE EXCEPTION OF PIPING IN SERVICE ROOMS.
4. DIMENSIONS INDICATED ARE TO THE FACE OF METAL STUD, CONCRETE BLOCK OR CAST IN PLACE CONCRETE UNO. FINISH FLOOR ELEVATIONS GIVEN ARE TO TOP OF CONC SLABS UNO.

GLAZING NOTES:
1. REFER TO DOOR SCHEDULE FOR DOORS IN INTERIOR SCREENS AND EXTERIOR GLAZING SYSTEMS. MATCH ALUMINUM DOOR FINISH TO ADJACENT CURTAIN WALL FINISH, UNO.
2. REFER TO SPECIFICATIONS FOR GLASS TYPE INFORMATION.
3. VERIFY ALL DIMENSIONS WITH SITE CONDITIONS PRIOR TO FABRICATION.
4. REINFORCE ALL MULLIONS AS REQUIRED, BASED ON DIMENSIONS NOTED, TO MEET APPLICABLE CODE REQUIREMENTS REGARDING DESIGN LOADS AND DEFLECTION CRITERIA.
5. PROVIDE BLACK GASKETS, SILICONE, AND SEALANT, UNO.
6. INTERIOR CAVITY AT TOP AND BOTTOM OF ALL EXTERIOR CURTAIN WALL MULLIONS TO BE FILLED WITH LOW EXPANDING SPRAY FOAM INSULATION TO A MINIMUM DEPTH OF 75mm TYP.
7. INTERIOR SCREEN DIMENSIONS INDICATED ARE FINISHED FRAME SIZE. COORDINATE REQUIRED ROUGH OPENINGS SIZES.

ACOUSTIC PARTITION NOTES:
1. FOR ALL ASSEMBLIES NOTED TO HAVE BATT INSULATION OR NOTED AS "ACOUSTIC", PROVIDE TWO CONTINUOUS BEAD OF ACOUSTIC SEALANT BETWEEN BOTTOM AND TOP TRACKS AND SUBSTRATES. PROVIDE PROGRESS PHOTOS DOCUMENTING INSTALLATION.
2. PROVIDE CONTINUOUS FILL OF ACOUSTIC SEALANT AT PERIMETER GWB GAP TO SUBSTRATES, TYPICAL FOR ALL LAYERS OF GWB.
3. PROVIDE JOINT FILLER ON PERIMETER OF EACH GWB PANEL, INCLUDING INTERNAL GWB LAYERS. SANDING IS NOT REQUIRED FOR LATTER. ENSURE ALL JOINTS ARE FILLED FLUSH.
4. SEAL PERIMETER OF ALL PENETRATIONS THROUGH ACOUSTIC ASSEMBLIES. COORDINATE CLEARANCES TO NEARBY SERVICES TO ENSURE ACCESS THROUGHOUT INSTALLATION.
5. WHERE ELECTRICAL JUNCTION BOXES ARE INSTALLED ON OPPOSITE SIDES OF ACOUSTIC PARTITIONS ENSURE EACH IS LOCATED IN A SEPARATE STUD SPACE.

FRR PARTITION NOTES:
1. MAINTAIN THE FIRE RESISTANCE RATING CONSTRUCTION AROUND CABINETS, PANELS, AND BOXES RECESSED INTO FIRE RESISTANCE RATED ASSEMBLIES. ASSEMBLY TYPES AND FIRE RESISTANT RATINGS INDICATED ARE TO BE CONTINUOUS FOR THE LENGTH AND HEIGHT OF NOTED ASSEMBLY. FIRE STOP ALL PENETRANTS IN A FIRE RESISTANT RATED ASSEMBLY WITH A TESTED FIRE RESISTANCE RATED SYSTEM. PROVIDE SYSTEMS' SUBMITTALS FOR REVIEW / REFERENCE.
2. PROVIDE 19mm DOUGLAS FIR PLYWOOD, GOOD ONE SIDE, WITH FIRE RETARDANT PAINT, FOR MOUNTING OF ALL ELECTRICAL PANELS, CABLING, COMMUNICATION, BELL, IT EQUIPMENT, ELECTRICAL EQUIPMENT AND SECURITY PANELS.
3. ALL FIRE RATED ASSEMBLIES ARE LISTED WITH THE APPLICABLE ULC/cUL TESTING ASSEMBLY CODE. ALL FIRE RATED PARTITIONS ARE TO BE CONSTRUCTED USING THE CONSTRUCTION METHOD AND COMPONENTS AS LISTED IN EACH TESTING REFERENCE STANDARD.

GENERAL NOTES HORIZONTAL ASSEMBLIES

COORDINATION
1. NOT USED
2. APPROVE FLOOR OUTLET LOCATIONS PRIOR TO CORE DRILLING. INDICATE REVIEW IN PROJECT SCHEDULE.
3. LEVEL FLOORS SO THAT THEY DO NOT EXCEED A 6mm VARIANCE IN A 3m RADIUS.

CEILING NOTES:
1. WHERE TEST REFERENCES ARE INDICATED, EQUIVALENTS MAY BE ACCEPTABLE IF THEY MATCH TEST RESULTS, VERIFIED BY 3rd PARTY TESTING AGENCY.
2. REFER TO REFLECTED CEILING PLANS FOR HEIGHT OF CEILING ABOVE FINISHED FLOOR (AFF). FOR MULTI-HEIGHT SPACES, AFF REFERS TO THE FLOOR LEVEL BELOW NOTED CEILING.
3. VERIFY ALL MECHANICAL AND ELECTRICAL SERVICES AND FIXTURE SPECIFICATIONS.
4. QUANTITIES AND TYPES OF MECHANICAL AND ELECTRICAL FIXTURES SHALL BE AS PER MECHANICAL AND ELECTRICAL DOCUMENTS. EXACT LOCATIONS SHALL BE AS PER ARCHITECTURAL REFLECTED CEILING PLANS AND DETAILS AS INDICATED UNO.
5. REFER TO ELECTRICAL DRAWINGS FOR FIRE EXIT SIGNAGE AND EMERGENCY LIGHTING.

GEOMETRY
1. LOCATE DETECTORS, ETC. ON ¼ POINT OF CENTRE POINT OF ACT PANELS, UNO.
2. POSITION CEILING-MOUNTED EXIT SIGNS AND SMOKE DETECTORS AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.

MATERIALS
1. COORDINATE ACCESS DOORS LOCATIONS, IN GYPSUM BOARD CEILINGS, WITH LIGHTING AND ARCHITECTURAL PLAN. CONFIRM PROPOSED LOCATIONS ON COORDINATION DRAWING SUBMITTAL FOR REVIEW.
2. DO NOT HANG (SUPPORT) ANY ITEMS FROM METAL ROOF DECK. IT IS ACCEPTABLE TO ATTACH, CEILING SYSTEM WIRE HANGERS FROM JOISTS AND/ OR BEAMS. IF NO JOIST OR BEAM, PROVIDE A MISC STL.

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

NOT FOR CONSTRUCTION

ISSUANCE

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT AND TENDER

GENERAL NOTES
1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ARCHITECT.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECT.

PROJECT
TOWN OF SMITH FALLS
PUBLIC WORKS OPERATIONS CENTRE
11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA # **26539**
CLIENT #
DRAWN BY **MB/IP**
CHECKED BY **CWS**
DATE **2026-06-29**
SCALE **As indicated**

SHEET NAME
ASSEMBLIES HORIZONTAL & VERTICAL

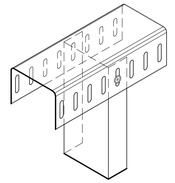
SHEET NO
A020

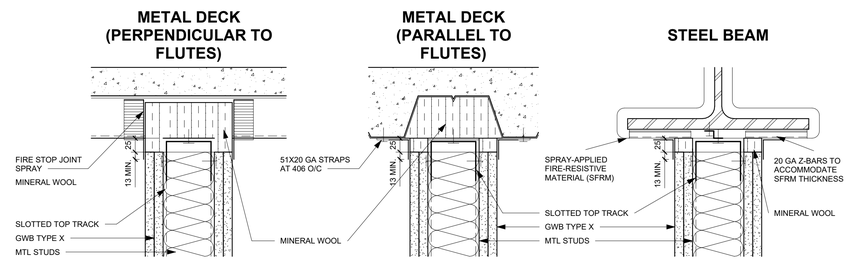
D (24"x36")

C:\Users\jpenagos\Documents\26539_Arch_Central_2024_jpenagos.rvt
2026-07-09 4:02:09 PM

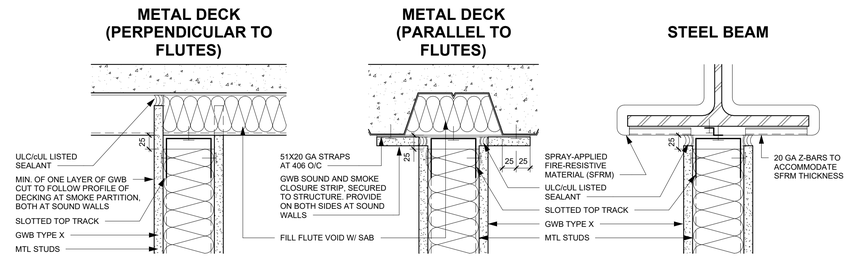
GENERAL REQUIREMENTS FOR STUD PARTITIONS

1. CONDITIONS INDICATED SHOW DESIGN INTENT, ESPECIALLY IN REGARD TO ACCOMMODATION OF STRUCTURAL DEFLECTION AND CONTINUITY OF INTEGRITY OF SOUND, SMOKE AND FIRE WALLS.
2. DESIGN INTENT DETAILS ARE NOT INTENDED TO BE PROPRIETARY. CONTRACTOR MAY EMPLOY SIMILAR HEAD-OF-WALL DESIGNS AND COMPONENTS AS APPROPRIATE FOR CONDITIONS.
3. DESIGN INTENT DETAILS MAY NOT SHOW ALL CONDITIONS TO BE ENCOUNTERED ON A PROJECT. COMPLY WITH MANUFACTURER AND cUL/ULC APPROVED METHODS FOR ATYPICAL CONDITIONS.
4. SECURE TOP OF INTERIOR PARTITIONS TO SUPERSTRUCTURE IN A WAY THAT PROVIDES LATERAL STABILITY (PERPENDICULAR-TO AND IN-PLANE WITH WALL) YET ALLOWING FOR A MINIMUM OF 19mm OF VERTICAL DEFLECTION OF THE SUPERSTRUCTURE.
5. RIGIDLY SECURE SLOTTED TOP TRACK TO BUILDING SUPERSTRUCTURE IN AN APPROVED MANNER. EMPLOY Z-BARS, COLD-ROLLED CHANNELS OR SIMILAR SPACER TO ACCOMMODATE THICKNESS OF SPRAY-APPLIED FIRE-RESISTIVE MATERIALS (SFRM).
6. SLOTTED TOP TRACK, INDICATED ON THESE DETAILS, IS THE BASIS FOR DESIGN AND REFERS TO DEEP-LEG TRACKS WITH VERTICALLY SLOTTED HOLES. OPTIONAL MANUFACTURERS MAY PROVIDE SIMILAR, PROPRIETARY METHODS IN ACCORDANCE WITH THE PROVISIONS OF SPECIFICATION SECTION 09 22 16.
7. SECURE VERTICAL STUDS TO SLOTTED TOP TRACK AT MID-HEIGHT OF VERTICAL SLOTS IN TRACK. COMPONENTS INTENDED TO SLIDE VERTICALLY AS SUPERSTRUCTURE DEFLECTS.
8. DO NOT SCREW GYPSUM WALLBOARD TO TOP TRACK OR SUPERSTRUCTURE. GWB SCREWS INTO THE STUDS MUST BE AT LEAST 1" BELOW THE BOTTOM OF THE TOP TRACK.
9. REFER TO PARTITION STANDARDS FOR SPECIFIC WALL TYPES.
10. AT FIRE -RATED WALLS REFER TO SPECIFICATION SECTION 07 84 00 FOR ADDITIONAL REQUIREMENTS REGARDING HEAD-OF-WALL CONDITIONS.
11. ACOUSTIC RATING WHERE SOUND-CONTROL WALLS ARE INDICATED.
12. FIRESTOPPING AND ACOUSTICAL SEALANTS SHALL AUTOBOND.
13. WHERE A WALL IS DESIGNATED AS BOTH A SOUND-CONTROL WALL AND A FIRE-RATED WALL, REFER TO FIRE-RATED HEAD-OF-WALL CONDITIONS. SOUND CONTROL INSULATION SHALL BE SUITABLE FOR FIRE RATED ASSEMBLIES
14. WHERE A WALL IS DESIGNATED AS A SOUND-CONTROL WALL, FILL ALL VOIDS WITH SOUND ATTENTUATION BATTS (SAB).
15. SMOKE PARTITIONS REQUIRE THAT AT LEAST ONE LAYER OF GWB, AND SOUND-CONTROL WALLS REQUIRE GWB ON BOTH SIDES, BE CUT TO FOLLOW UNDULATING SURFACES OF THE SUPERSTRUCTURE INCLUDING, BUT NOT LIMITED TO, FLUTES IN METAL DECKING. PROVIDE A CONTINUOUS BEAD OF SEALANT (AS SPECIFIED) TO SUPERSTRUCTURE.

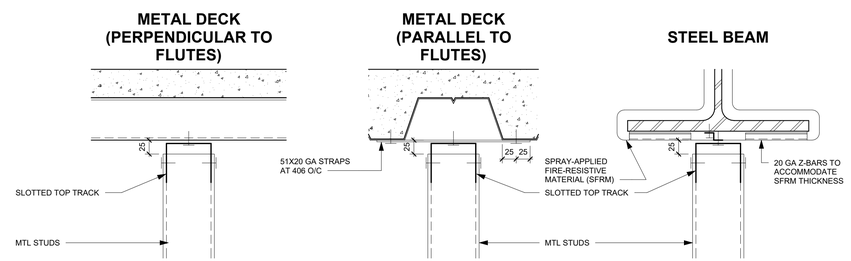




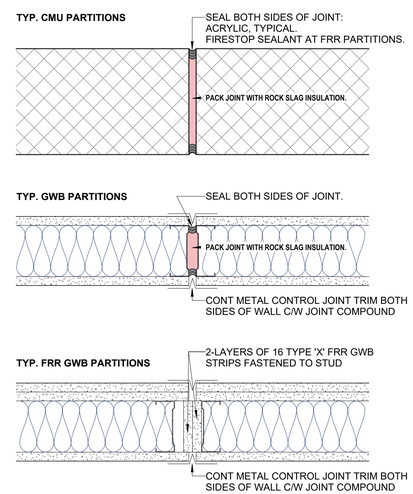
1 A021 — STUD PARTITIONS - FIRE RATED PARTITIONS
1 : 5



2 A021 — STUD PARTITIONS - SMOKE PARTITIONS AND SOUND CONTROL PARTITIONS
1 : 5



3 A021 — STUD PARTITIONS - NON-FIRE, NON-SMOKE, NON-SOUND CONTROL PARTITIONS
1 : 5



B1 A021 — PLAN DETAIL - TYP CONTROL JOINTS IN INTERIOR WALLS
1 : 5

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

NOT FOR CONSTRUCTION

ISSUANCE

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT AND TENDER

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ARCHITECT.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECT.

PROJECT
TOWN OF SMITH FALLS
PUBLIC WORKS OPERATIONS CENTRE
11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

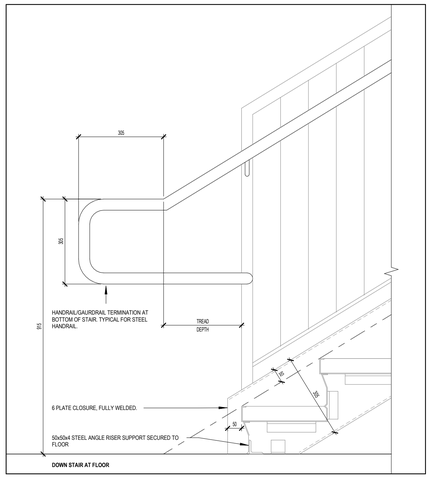
IDEA # **26539**
CLIENT #
DRAWN BY **MB/IP**
CHECKED BY **CWS**
DATE **2026-06-29**
SCALE **1 : 5**

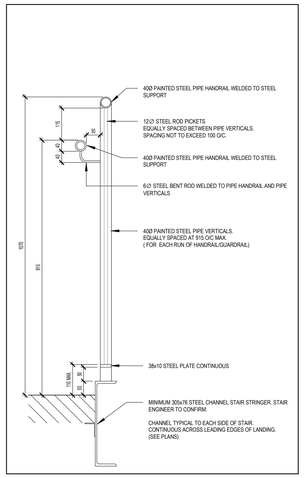
SHEET NAME
TYPICAL ASSEMBLIES - DETAILS

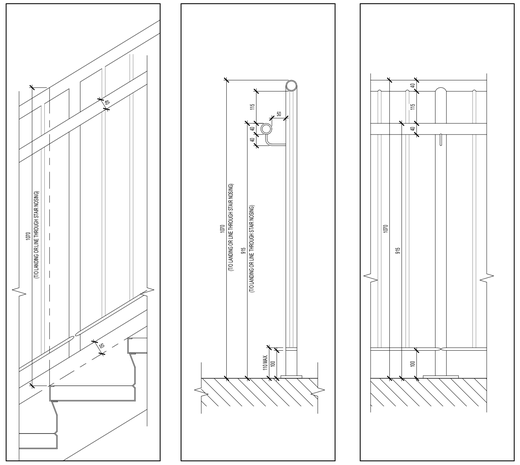
SHEET NO
A021

D (24"x36")

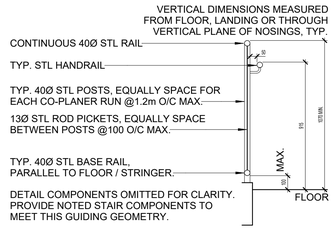
2026-07-09 4:02:10 PM C:\Users\jpenagos\Documents\26539_Arch_Central_2024_jpenagos.rvt



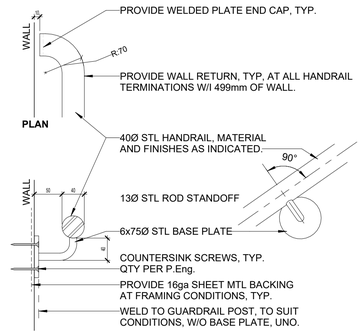




4 A022 STAIRS DETAILS - HANDRAIL/GUARDRAIL ON STRINGER
1 : 10



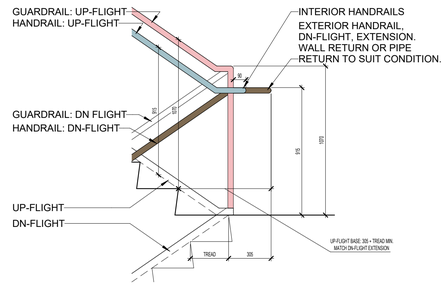
3 A022 SECTION DETAIL - TYP. STAIR GUARDRAIL
1 : 20



SECTION **ELEVATION**

1. PROVIDE MATL AND FINISHES AS NOTED. MINIMUM, PAINTED STEEL.
2. AT LOCATIONS OUTSIDE THE BUILDING ENVELOPE, PROVIDE GALV. STL, MINIMUM, UNO.
3. FILL ALL SITE-ASSEMBLY GAPS AND VOIDS WITH BONDO FILLER PER MANUFACTURER'S INSTRUCTIONS.
4. PROVIDE A PAINTED FINISH, AS NOTED, FREE OF RUNS AND DRIPS, TYP.
5. PROVIDE BASE PLATE AND STANDOFF @1.22m O/C, MAX., EQUALY-SPACED ON EACH RUN, UNO.

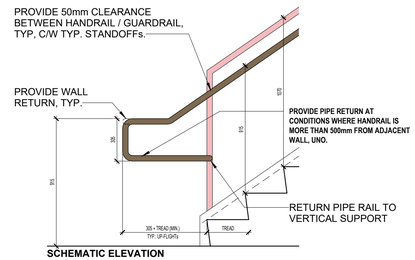
A2 A022 DETAIL - TYP. STL HANDRAIL
1 : 5



SCHEMATIC ELEVATION

DETAIL COMPONENTS OMITTED FOR CLARITY. PROVIDE NOTED STAIR COMPONENTS TO MEET THIS GUIDING GEOMETRY.

B1 A022 SECTION DETAIL - TYP. STAIR HANDRAIL TOP EXTENSIONS
1 : 20



SCHEMATIC ELEVATION

DETAIL COMPONENTS OMITTED FOR CLARITY. PROVIDE NOTED STAIR COMPONENTS TO MEET THIS GUIDING GEOMETRY.

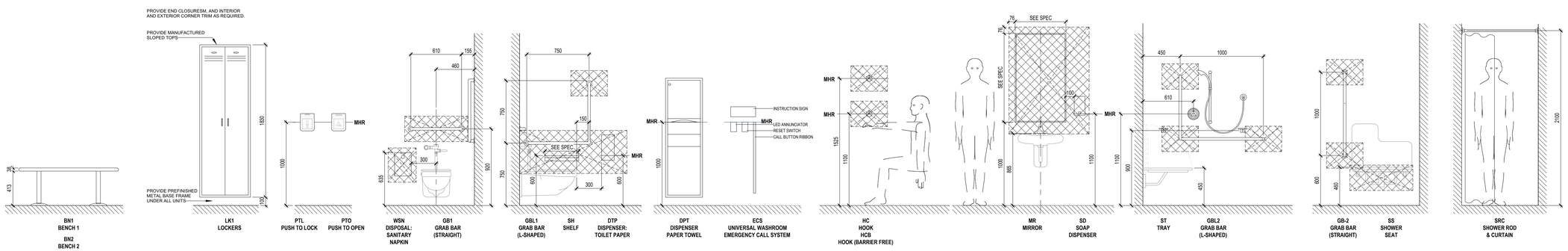
A1 A022 SECTION DETAIL - TYP. STAIR HANDRAIL BASE EXTENSION
1 : 20

LEGEND / GENERAL NOTES:

MHR

1. **MOUNTING HEIGHT REFERENCE**
AS ILLUSTRATED, THESE ARE: B/O, T/O, MID-LINE, PER MANUFACTURER'S "OPERATING HT", UNO.

2. PROVIDE PARTITION BLOCKING AND REINFORCING, TYP. VERIFY MANUFACTURER'S RECOMMENDATION.



1 A022 TYP. MOUNTING HEIGHTS
1 : 25

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

NOT FOR CONSTRUCTION

ISSUANCE

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT AND TENDER

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ARCHITECT.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECT.

PROJECT
TOWN OF SMITH FALLS
PUBLIC WORKS OPERATIONS CENTRE
11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA # **26539**
CLIENT #
DRAWN BY **MB/IP**
CHECKED BY **CWS**
DATE **2026-06-29**
SCALE **As indicated**

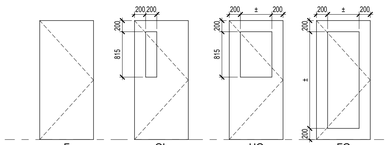
SHEET NAME
TYPICAL DETAILS MOUNTING HEIGHTS

SHEET NO
A022

D (24"x36")

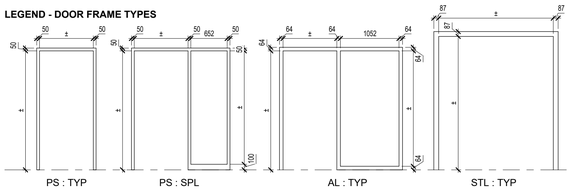
C:\Users\jpenagos\Documents\26539_Arch_Central_2024_jpenagos.rvt
2026-07-09 4:02:12 PM

LEGEND - DOOR PANEL TYPES



DETAIL CHARACTERISTICS PER SPECIFICATIONS. IF UNSPECIFIED, PROVIDE PER TYPICAL MANUFACTURER'S PUBLISHED CHARACTERISTICS, UNO.

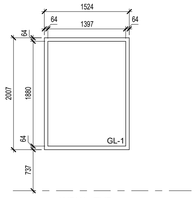
LEGEND - DOOR FRAME TYPES



DETAIL CHARACTERISTICS PER SPECIFICATIONS. IF UNSPECIFIED, PROVIDE PER TYPICAL MANUFACTURER'S PUBLISHED CHARACTERISTICS, UNO.

Window Schedule		
Mark	Height	Width
101	2007	1524
102	2007	1524
103	2007	1524
107	2007	1524
108	2007	1524
109	2007	1524
110	2007	1524
111	2007	1524
111	2007	1524
112	2007	1524
113	2007	1524

LEGEND - WINDOW SCREEN TYPES



DOORS SCHEDULE - MAIN BUILDING

	DOOR CHARACTERISTICS				FRAME CHARACTERISTICS			SYSTEM CHARACTERISTICS		
No.	SIZE (T x W x H)	PANEL TYPE(S)	MATERIAL	FINISH	TYPE	MATERIAL	FINISH	FIRE RATING	HARDWARE	COMMENTS
LEVEL 1										
100.1	52 x 1016 x 2135	FG : TYP	AL	AL BLK	AL : TYP	AL	AL BLK			
100.2	52 x 1016 x 2135	FG : TYP	AL	AL BLK	AL : TYP	AL	AL BLK			
101.1	45 x 965 x 2142	F : TYP	SC WD	WV	PS : SPL	PS	PT2			
102.1	45 x 965 x 2142	F : TYP	SC WD	WV	PS : SPL	PS	PT2			
103.1	45 x 965 x 2142	F : TYP	SC WD	WV	PS : SPL	PS	PT2			
104.1	45 x 965 x 2135	FG : TYP	SC WD	WV	PS : TYP	PS	PT2			
105.1	45 x 965 x 2142	F : TYP	SC WD	WV	PS : SPL	PS	PT2			
107.1	52 x 1016 x 2135	FG : TYP	AL	AL BLK	AL : TYP	AL	AL BLK			
107.2	52 x 1016 x 2135	FG : TYP	AL	AL BLK	AL : TYP	AL	AL BLK			
108.1	45 x 965 x 2142	F : TYP	SC WD	WV	PS : SPL	PS	PT2			
109.1	45 x 965 x 2142	F : TYP	SC WD	WV	PS : SPL	PS	PT2			
110.1	45 x 965 x 2135	FG : TYP	SC WD	WV	PS : TYP	PS	PT2			
111.1	45 x 965 x 2142	F : TYP	SC WD	WV	PS : SPL	PS	PT2			
112.1	45 x 965 x 2142	F : TYP	SC WD	WV	PS : SPL	PS	PT2			
113.1	45 x 965 x 2142	F : TYP	SC WD	WV	PS : SPL	PS	PT2			
114.1	52 x 1168 x 2135	FG : TYP	AL	AL BLK	AL : TYP	AL	AL BLK			
114.2	52 x 1016 x 2135	FG : TYP	AL	AL BLK	AL : TYP	AL	AL BLK			
115.1	45 x 965 x 2135	FG : TYP	SC WD	WV	PS : TYP	PS	PT2			
116.1	45 x 965 x 2135	FG : TYP	SC WD	WV	PS : TYP	PS	PT2			
117.1	45 x 965 x 2135	F : TYP	SC WD	WV	PS : TYP	PS	PT2			
118.1	45 x 965 x 2135	F : TYP	SC WD	WV	PS : TYP	PS	PT2			
119.1	45 x 915 x 2135	F : TYP	SC WD	WV	PS : TYP	PS	PT2			
120.1	45 x 915 x 2135	F : TYP	SC WD	WV	PS : TYP	PS	PT2			
121.1	45 x 965 x 2135	F : TYP	SC WD	WV	PS : TYP	PS	PT2			
122.1	45 x 965 x 2135	F : TYP	SC WD	WV	PS : TYP	PS	PT2	1HR		
123.1	45 x 915 x 2135	F : TYP	SC WD	WV	PS : TYP	PS	PT2			
124.1	45 x 915 x 2135	F : TYP	SC WD	WV	PS : TYP	PS	PT2			
125.1	45 x 965 x 2135	QL : TYP	SC WD	WV	PS : TYP	PS	PT2			
126.1	45 x 965 x 2135	QL : TYP	HM	PT2	PS : TYP	PS	PT2	2HR		
126.2	45 x 965 x 2135	QL : TYP	HM	PT2	PS : TYP	PS	PT2	2HR		
127.1	51 x 5486 x 4877				STL : TYP	STL	GALV			OVERHEAD SECTIONAL DOOR, REFER TO SPECIFICATIONS
127.2	51 x 5486 x 4877				STL : TYP	STL	GALV			OVERHEAD SECTIONAL DOOR, REFER TO SPECIFICATIONS
127.3	51 x 5486 x 4877				STL : TYP	STL	GALV			OVERHEAD SECTIONAL DOOR, REFER TO SPECIFICATIONS
127.4	51 x 5486 x 4877				STL : TYP	STL	GALV			OVERHEAD SECTIONAL DOOR, REFER TO SPECIFICATIONS
127.5	51 x 5486 x 4877				STL : TYP	STL	GALV			OVERHEAD SECTIONAL DOOR, REFER TO SPECIFICATIONS
127.6	51 x 5486 x 4877				STL : TYP	STL	GALV			OVERHEAD SECTIONAL DOOR, REFER TO SPECIFICATIONS
127.7	51 x 5486 x 4877				STL : TYP	STL	GALV			OVERHEAD SECTIONAL DOOR, REFER TO SPECIFICATIONS
127.8	51 x 5486 x 4877				STL : TYP	STL	GALV			OVERHEAD SECTIONAL DOOR, REFER TO SPECIFICATIONS
127.9	51 x 5486 x 4877				STL : TYP	STL	GALV			OVERHEAD SECTIONAL DOOR, REFER TO SPECIFICATIONS
127.10	51 x 5486 x 4877				STL : TYP	STL	GALV			OVERHEAD SECTIONAL DOOR, REFER TO SPECIFICATIONS
128.1	45 x 965 x 2135	QL : TYP	INS. HM	PT3	PS : TYP	TB. PS	PT3			
128.2	45 x 965 x 2135	QL : TYP	HM	PT2	PS : TYP	PS	PT2			
129.1	45 x 864 x 2135	F : TYP	HM	PT2	PS : TYP	PS	PT2			
130.1	45 x 915 x 2135	F : TYP	HM	PT2	PS : TYP	PS	PT2			
131.1	45 x 915 x 2135	QL : TYP	HM	PT2	PS : TYP	PS	PT2			
133.1	45 x 864 x 2135	F : TYP	HM	PT2	PS : TYP	PS	PT2			
134.1	45 x 864 x 2135	F : TYP	HM	PT2	PS : TYP	PS	PT2			
135.1	45 x 915 x 2135	F : TYP	HM	PT2	PS : TYP	PS	PT2			
136.1	45 x 915 x 2135	QL : TYP	HM	PT2	PS : TYP	PS	PT2			
138.1	45 x 864 x 2135	F : TYP	HM	PT2	PS : TYP	PS	PT2			
139.1	45 x 915 x 2135	HG : TYP	HM	PT2	PS : TYP	PS	PT2			
140.1	45 x 965 x 2135	QL : TYP	HM	PT2	PS : TYP	PS	PT2	2HR		
141.1	45 x 965 x 2135	F : TYP	HM	PT3	PS : TYP	PS	PT3			
141.2	45 x 915 x 2135	F : TYP	HM	PT2	PS : TYP	PS	PT2	1HR		
142.1	45 x 965 x 2135	QL : TYP	INS. HM	PT2	PS : TYP	TB. PS	PT2			
142.2	51 x 5486 x 4877				STL : TYP	STL	GALV			OVERHEAD SECTIONAL DOOR, REFER TO SPECIFICATIONS
143.1	45 x 965 x 2135	QL : TYP	INS. HM	PT2	PS : TYP	TB. PS	PT2			
143.2	51 x 5486 x 4877				STL : TYP	STL	GALV			OVERHEAD SECTIONAL DOOR, REFER TO SPECIFICATIONS
T/O MEZZANINE										
202.1	45 x 965 x 2135	QL : TYP	HM	PT2	PS : TYP	PS	PT2			
203.1	45 x 965 x 2135	F : TYP	HM	PT2	PS : TYP	PS	PT2	1HR		

DOORS SCHEDULE - COLD STORAGE

	DOOR CHARACTERISTICS				FRAME CHARACTERISTICS			SYSTEM CHARACTERISTICS		
No.	SIZE (T x W x H)	PANEL TYPE(S)	MATERIAL	FINISH	TYPE	MATERIAL	FINISH	FIRE RATING	HARDWARE	COMMENTS
LEVEL 1										
300.1	45 x 965 x 2135	QL : TYP	INS. HM	PT2	PS : TYP	TB. PS	PT2			
300.2	51 x 4267 x 4267				STL : TYP	STL	GALV			OVERHEAD SECTIONAL DOOR, REFER TO SPECIFICATIONS
300.3	51 x 4267 x 4267				STL : TYP	STL	GALV			OVERHEAD SECTIONAL DOOR, REFER TO SPECIFICATIONS
300.4	51 x 4267 x 4267				STL : TYP	STL	GALV			OVERHEAD SECTIONAL DOOR, REFER TO SPECIFICATIONS
300.5	51 x 4267 x 4267				STL : TYP	STL	GALV			OVERHEAD SECTIONAL DOOR, REFER TO SPECIFICATIONS
300.6	45 x 965 x 2135	QL : TYP	INS. HM	PT2	PS : TYP	TB. PS	PT2	1HR		
301.1	45 x 965 x 2135	QL : TYP	INS. HM	PT2	PS : TYP	TB. PS	PT2			
301.2	51 x 4267 x 4267				STL : TYP	STL	GALV			OVERHEAD SECTIONAL DOOR, REFER TO SPECIFICATIONS

GENERAL DOOR NOTES

DETAIL CHARACTERISTICS PER SPECIFICATIONS. IF UNSPECIFIED, PROVIDE PER TYPICAL MANUFACTURER'S PUBLISHED CHARACTERISTICS, UNO.

A. COORDINATION

1. 1. VERIFY ALL DIMENSIONS, INCLUDING SIZES FOR FRAMES AND DOORS ON SITE PRIOR TO FABRICATING DOORS AND FRAMES.
2. COORDINATE INSTALLATION OF SECURITY DEVICES. REVIEW THE ELECTRICAL DRAWINGS, HARDWARE SCHEDULE AND SPECIFICATIONS FOR SECURITY ROUGH IN REQUIREMENTS.
3. REFER TO FLOOR PLANS FOR "HAND" OF DOOR OR DOORS.

B. GEOMETRY

1. DOOR WIDTH IS THE LEAF SIZE IN MILLIMETERS FOR SINGLE DOORS AND FOR BOTH LEAVES IN A PAIR OF DOORS OF EQUAL WIDTH.
2. ALL DOORS NOMINALLY 45mm THICK UNO.
3. EXTEND DOOR TRANSOM HEIGHTS TO THE U/S OF THE CEILING, UNO.

C. MATERIAL

1. FIRE RATING IS FOR THE FIRE PROTECTION RATING IN MINUTES OR HOURS (45 MIN. OR 3/4 HOUR OR 0.75 HR). DOORS IN NON-RATED FIRE SEPARATIONS (SMOKE SEPARATIONS) ARE INDICATED AS 0 HOUR.

DOOR AND SCREEN ABBREVIATIONS

AL	ALUMINUM
BLK	BLACK
DMD	DEMOUNTABLE PARTITION DOOR
GALV	GALVANIZED
GL	GLASS
HM	HOLLOW METAL
INS	INSULATED
PS	PRESSED STEEL
PT	PAINT
STL	STEEL
T	TEMPERED
TB	THERMAL BRAKE
WV	WOOD VENEER

FINISHES LEGEND

DOORS AND FRAMES FINISHES

- PT2 - DOOR AND WINDOW FRAME PAINT
  PRODUCT: SHERWIN-WILLIAMS
  COLOUR: REPOSE GREY
- PT3 - DOOR AND WINDOW FRAME PAINT
  PRODUCT: SHERWIN-WILLIAMS
  COLOUR: TRICORN BLACK
- WV - DOOR PANEL
  WOOD VENEER
  TBC

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

NOT FOR CONSTRUCTION

ISSUANCE

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT AND TENDER

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ARCHITECT.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECT.

PROJECT

TOWN OF SMITH FALLS

PUBLIC WORKS OPERATIONS CENTRE

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA # **26539**

CLIENT #

DRAWN BY **MB/IP**

CHECKED BY **CWS**

DATE **2026-06-29**

SCALE **As indicated**

SHEET NAME

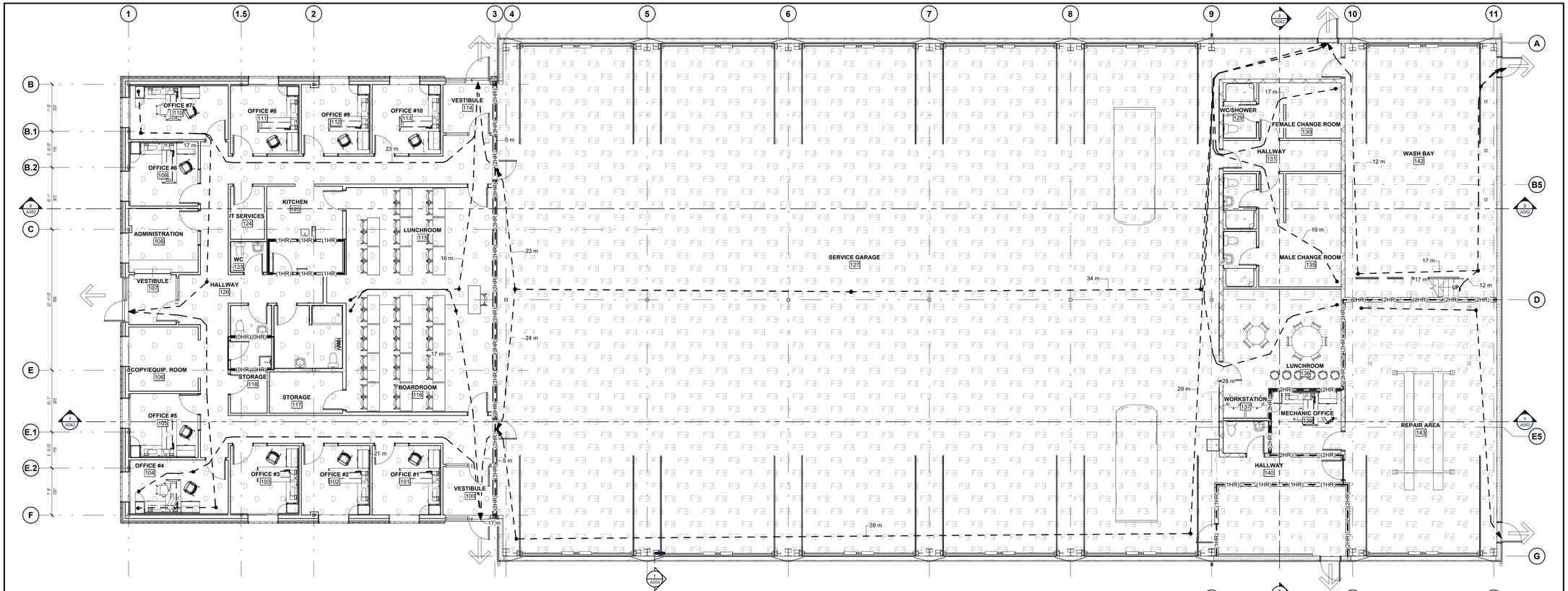
DOORS & GLAZING SCHEDULES

SHEET NO

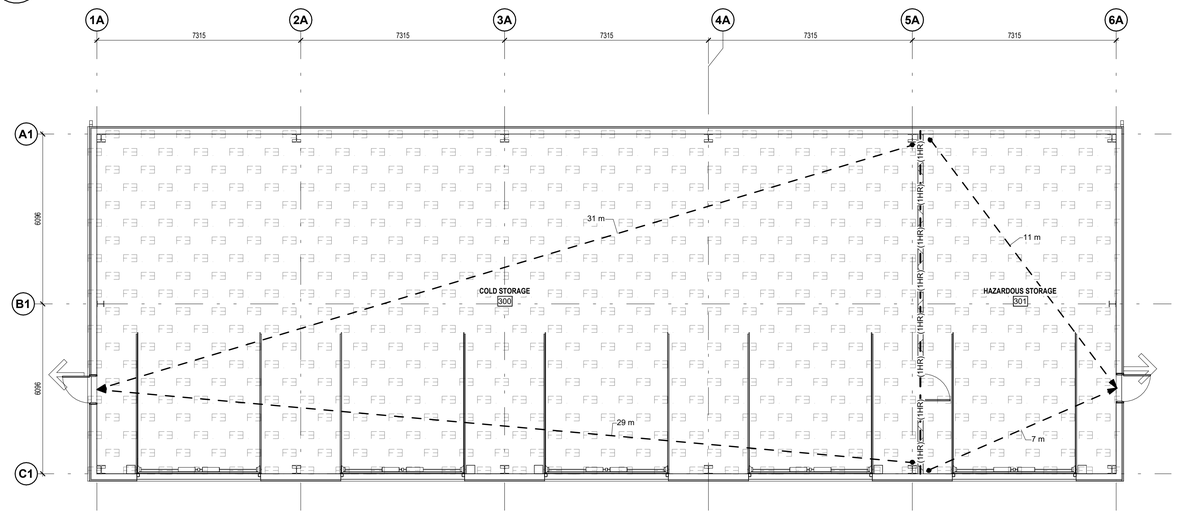
A050

D (24"x36")

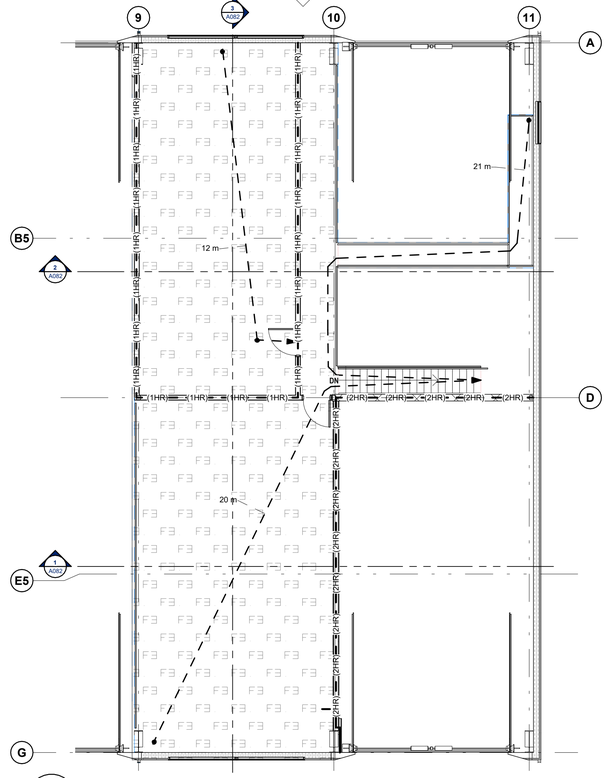
C:\Users\jpenagos\Documents\26539_Arch_Central_2024_jpenagos.rvt
2026-07-09 4:02:14 PM



1 A081 GROUND OVERALL - MAIN BUILDING CODE COMPLIANCE PLAN
1 : 100



4 A081 GROUND OVERALL - COLD STORAGE CODE COMPLIANCE PLAN
1 : 100



3 A081 MEZZANINE - CODE COMPLIANCE
1 : 100

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

NOT FOR CONSTRUCTION

ISSUANCE

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT AND TENDER

GENERAL NOTES
1. THESE DOCUMENTS HAVE BEEN DEVELOPED BASED ON EXISTING INFORMATION PROVIDED BY OWNER.
2. FIRE RESISTANCE RATINGS (FRR) ON EXISTING (EX) ASSEMBLIES IDENTIFICATION BASED ON AS-BUILT DOCUMENTS AND LIMITED SITE SURVEY. THEY ARE IDENTIFIED HEREIN FOR CONTEXT, UNLESS NOTED OTHERWISE (UNO).
3. REFER TO ELECTRICAL FOR SMOKE DETECTION AND FIRE ALARM INFORMATION.

LEGEND
THIS DRAWING TO BE READ IN CONJUNCTION WITH SPECIFICATION, PLANS, SECTIONS & DETAILS.

FIRE SEPERATIONS
- (4HR) — (4HR) — FRR = 4 HOURS
- (3HR) — (3HR) — FRR = 3 HOURS
- (2HR) — (2HR) — FRR = 2 HOURS
- (1HR) — (1HR) — FRR = 1 HOUR
- (0HR) — (0HR) — FRR = 0 HOURS

FIRE EXTINGUISHER (SUPPLIED & INSTALLED BY DIV. 10)
- FE-SM — SURFACE MOUNT (BRACKET)
- FEC-SM — SURFACE MOUNT (CABINET)
- FEC-SR — SEMI-RECESSED (CABINET)
- FHC-SM — HOSE CABINET SURFACE MOUNTED
- FHC-SR — HOSE CABINET SEMI-RECESSED
- FIRE HOSE & RADIUS

EXITING
- ## m — TRAVEL DISTANCE
- EXIT

ACCESSIBILITY
- BARRIER FREE ENTRANCE
- Ø1100 Ø1700 TURNING DIAMETER

MAJOR OCCUPANCY CLASSIFICATIONS
- A2 A2 A2 — GROUP A - DIVISION 2
- D D — GROUP D
- F2 F2 F2 — GROUP F - DIVISION 2
- F3 F3 — GROUP F - DIVISION 3

PROJECT NORTH | TRUE NORTH

GENERAL NOTES
1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ARCHITECT.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECT.

PROJECT
TOWN OF SMITH FALLS
PUBLIC WORKS OPERATIONS CENTRE
11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA # **26539** | CLIENT #

DRAWN BY **MB/IP** | CHECKED BY **CWS**

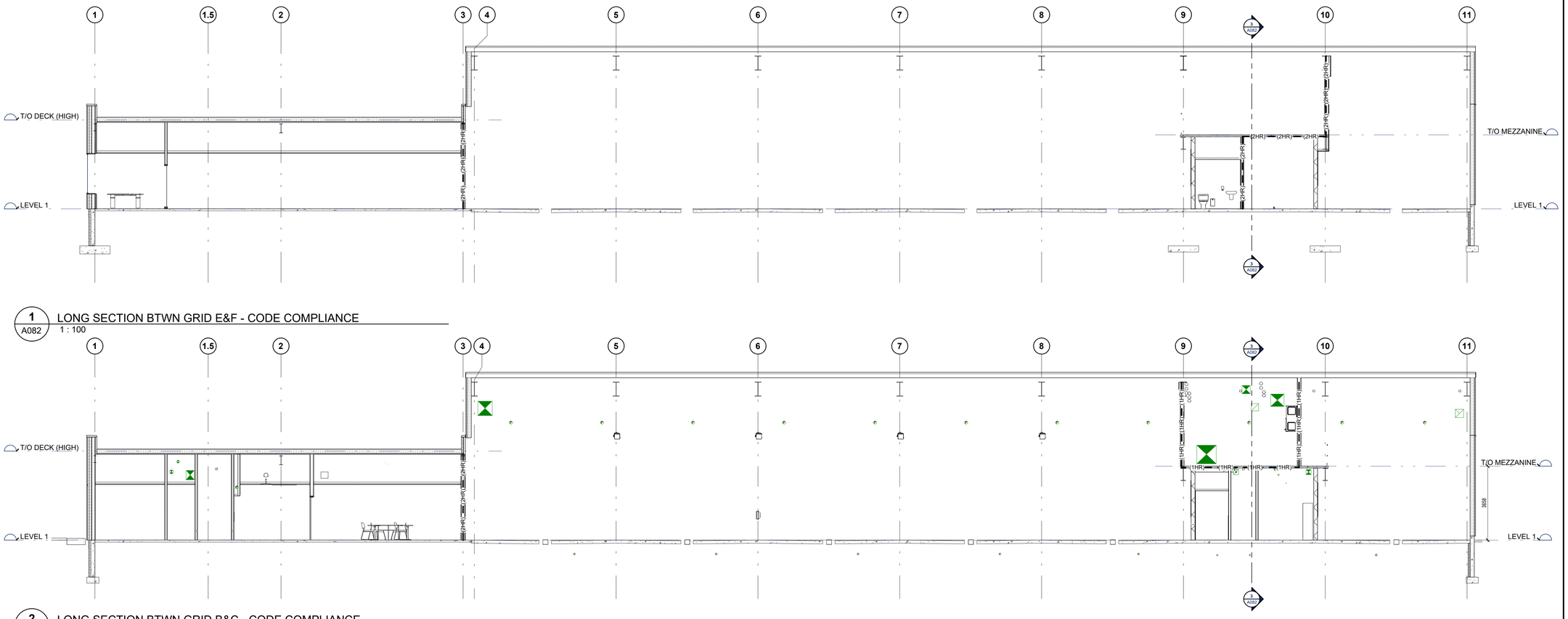
DATE **2026-06-29** | SCALE **1 : 100**

SHEET NAME
CODE COMPLIANCE - PLAN

SHEET NO **A081**

D (24"x36")

C:\Users\jpenagos\Documents\26539_Arch_Central_2024_jpenagos.rvt
2026-07-09 4:02:23 PM



1 A082 LONG SECTION BTWN GRID E&F - CODE COMPLIANCE
1 : 100

2 A082 LONG SECTION BTWN GRID B&C - CODE COMPLIANCE
1 : 100

3 A082 SHORT SECTION BTW GRID 9&10 - CODE COMPLIANCE
1 : 100

C:\Users\jpenagos\Documents\26539_Arch_Central_2024_jpenagos.rvt
2026-07-09 4:02:25 PM

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

NOT FOR CONSTRUCTION

ISSUANCE

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT AND TENDER

PROJECT NORTH | TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ARCHITECT.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECT.

PROJECT

TOWN OF SMITH FALLS

PUBLIC WORKS OPERATIONS CENTRE

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA # **26539**

CLIENT #

DRAWN BY **MB/IP**

CHECKED BY **CWS**

DATE **2026-06-29**

SCALE **1 : 100**

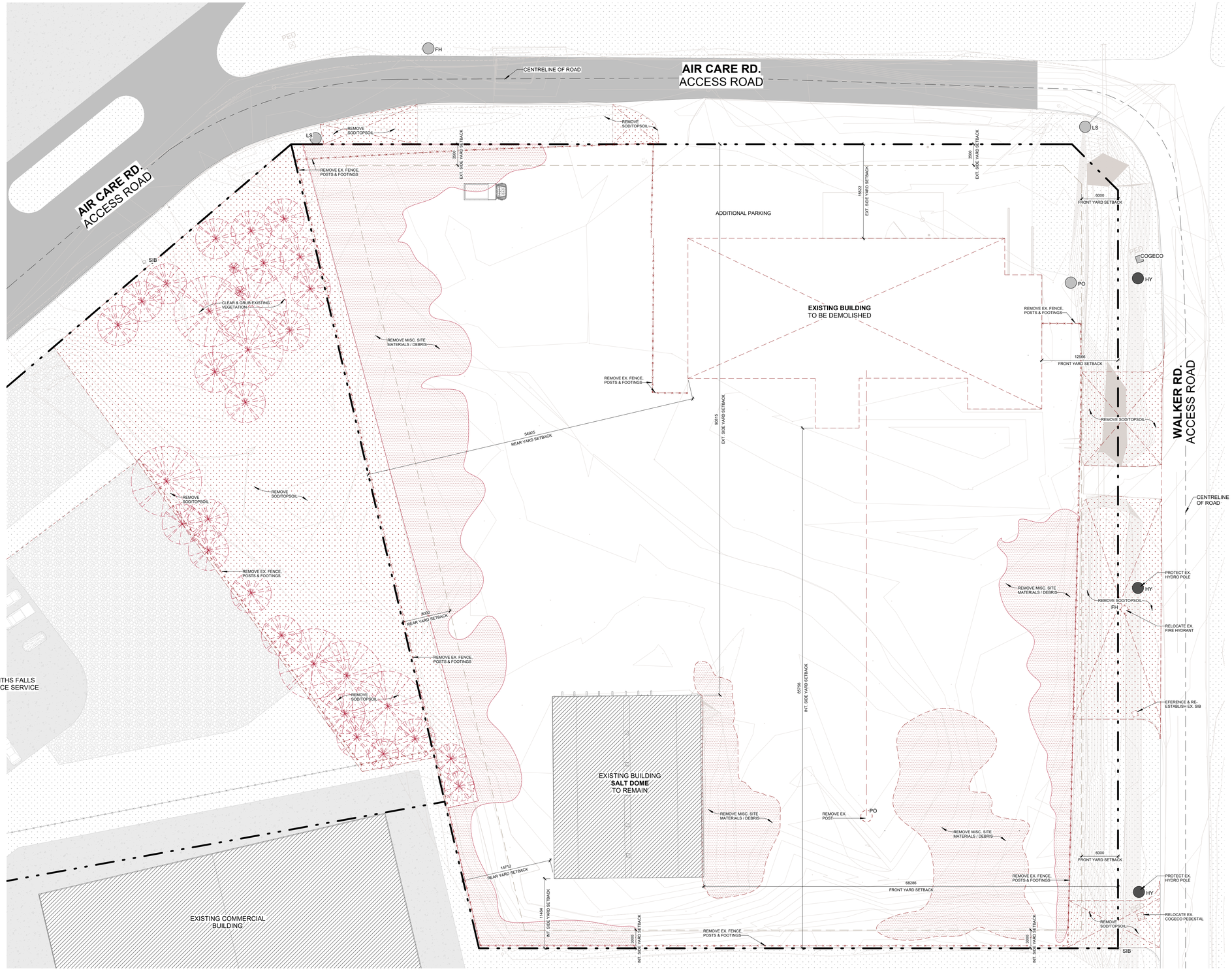
SHEET NAME

CODE COMPLIANCE - SECTION

SHEET NO

A082

D (24"x36")



DEMO LEGEND

- GRASS AREA TO DEMOLISH
- ASPHALT PAVING
- CONCRETE WALKWAY
- GRAVEL PAVING
- PLANTING
- PROPERTY LINE
- SETBACK LINE
- CENTRELINE
- EX. FENCE LINE
- FH FIRE HYDRANT
- LS LIGHT STANDARD
- FDC FIRE DEPARTMENT CONNECTION
- HY HYDRO POLE
- BD BOALLARD

LEGEND EXISTING

- GRASS AREA
- ASPHALT PAVING
- CONCRETE WALKWAY
- GRAVEL PAVING
- PLANTING
- PROPERTY LINE
- SETBACK LINE
- CENTRELINE
- FENCE LINE
- FH FIRE HYDRANT
- LS LIGHT STANDARD
- FDC FIRE DEPARTMENT CONNECTION
- HY HYDRO POLE
- BD BOALLARD

PROJECT NORTH

TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ARCHITECT.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECT.

PROJECT

TOWN OF SMITHS FALLS

PUBLIC WORKS OPERATIONS CENTRE

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA # **26539**

CLIENT # **CWS**

DRAWN BY **IP/CWS**

CHECKED BY **CWS**

DATE **2026-06-29**

SCALE **As indicated**

SHEET NAME

SITE PLAN DEMOLITION SITE PLAN

SHEET NO

AD101

D (24"x36")

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

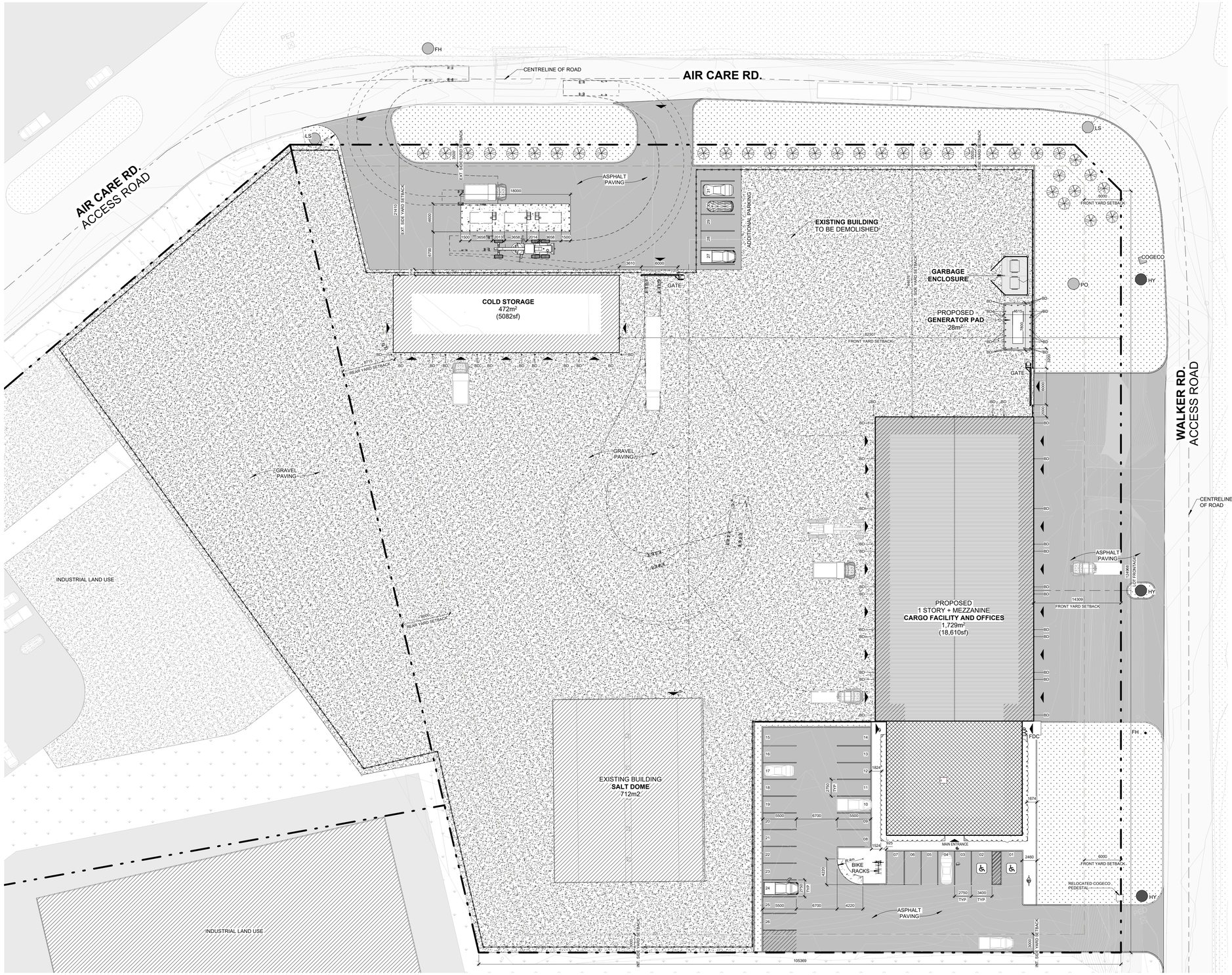
NOT FOR CONSTRUCTION

ISSUANCE

NO	DATE	ISSUE
1	2026-05-08	ISSUED FOR REVIEW
2	2026-05-20	ISSUED FOR MV APPLICATION
3	2026-06-29	ISSUED FOR PERMIT AND TENDER

C:\Users\jpenagos\Documents\26539_Site_Central_2024_jpenagos_jpenagos.rvt

2026-07-09 4:06:41 PM



A1
A101
Site Plan
1 : 300

LEGEND

- GRASS AREA
- ASPHALT PAVING
- CONCRETE WALKWAY
- GRAVEL PAVING
- TWSI
- PLANTING
- PROPERTY LINE
- SETBACK LINE
- CENTRELINE
- NEW FENCE LINE
- FH FIRE HYDRANT
- LS LIGHT STANDARD
- FDC FIRE DEPARTMENT CONNECTION
- HY HYDRO POLE
- BD BOALLARD

SITE DATA

LEGAL DESCRIPTION:
x

ZONING DESIGNATION:
M2 - LIGHT INDUSTRIAL ZONE

USE:
INDUSTRIAL OR BUSINESS SERVICE
OFFICE

REQUIRED SETBACKS:

FRONT YARD (m)		
	REQUIRED	6
	ACTUAL	14.3
REAR YARD (m)		
	REQUIRED	8
	ACTUAL	69.6
INTERIOR SIDE YARD (m)		
	REQUIRED	3
	ACTUAL	19.2
EXTERIOR SIDE YARD (m)		
	REQUIRED	3.5
	ACTUAL	44.7
MAXIMUM BUILDING HEIGHT (m)		
	REQUIRED	22
	ACTUAL	8.8
MINIMUM LOT FRONTAGE (m)		
	REQUIRED	NO MINIMUM
	ACTUAL	N/A
MINIMUM LOT AREA (m²)		
	REQUIRED	NO MINIMUM
	ACTUAL	15,985
MINIMUM LANDSCAPED OPEN SPACE (%)		
	REQUIRED	20
	ACTUAL	20
MAXIMUM FLOOR SPACE INDEX		
	REQUIRED	1.5
	ACTUAL	X

REQUIRED PARKING (Area C of ZBL):

OFFICE (1 SPACE/34m² OF GFA)		
	REQUIRED	17
	ACTUAL	17
WAREHOUSE (1 SPACE/120m² OF GFA)		
	REQUIRED	14
	ACTUAL	14
TOTAL		
	REQUIRED	31
	ACTUAL	31
NUMBER OF ACCESSIBLE SPACES		
	REQUIRED	1
	ACTUAL	2
BICYCLE PARKING (1/1,000m² OF WAREHOUSE) (1 /250m² OF OFFICE)		
	REQUIRED	4
	ACTUAL	4

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

NOT FOR CONSTRUCTION

ISSUANCE

NO	DATE	ISSUE
1	2026-05-08	ISSUED FOR REVIEW
2	2026-05-20	ISSUED FOR MV APPLICATION
3	2026-06-29	ISSUED FOR PERMIT AND TENDER

PROJECT NORTH | TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ARCHITECT.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECT.

PROJECT
TOWN OF SMITHS FALLS
PUBLIC WORKS OPERATIONS CENTRE
11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA # **26539** | CLIENT #

DRAWN BY **IP/CWS** | CHECKED BY **CWS**

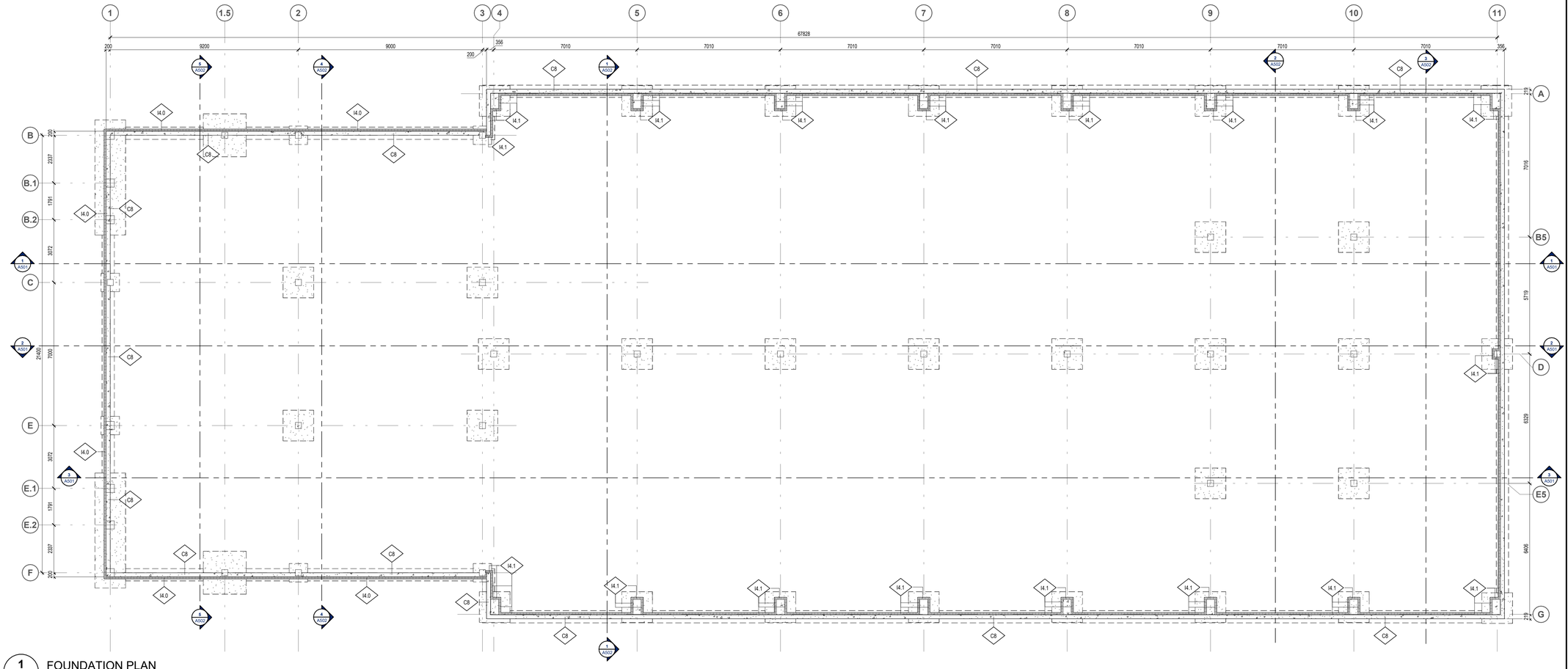
DATE **2026-06-29** | SCALE **As indicated**

SHEET NAME
SITE PLAN

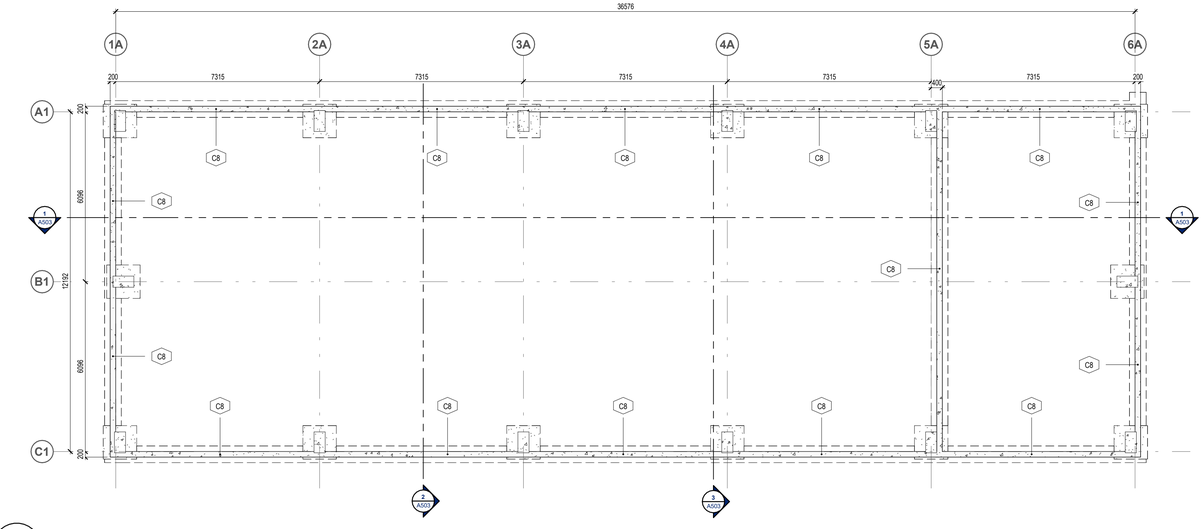
SHEET NO
A101

D (24"x36")

2026-07-09 4:07:04 PM C:\Users\jpenagos\Documents\26539_Site_Central_2024_jpenagos_jpenagos.rvt



1 A200 FOUNDATION PLAN
1 : 100



2 A200 COLD STORAGE FOUNDATION PLAN
1 : 100

C:\Users\jenmagos\Documents\26539_Arch_Central_2024_jenmagos.rvt

2026-07-09 4:02:27 PM

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

NOT FOR CONSTRUCTION

ISSUANCE

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT AND TENDER

PROJECT NORTH | TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ARCHITECT.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECT.

PROJECT

TOWN OF SMITH FALLS

PUBLIC WORKS OPERATIONS CENTRE

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA #	CLIENT #
26539	
DRAWN BY	CHECKED BY
MB/IP	**CWS**
DATE	SCALE
2026-06-29	**1 : 100**

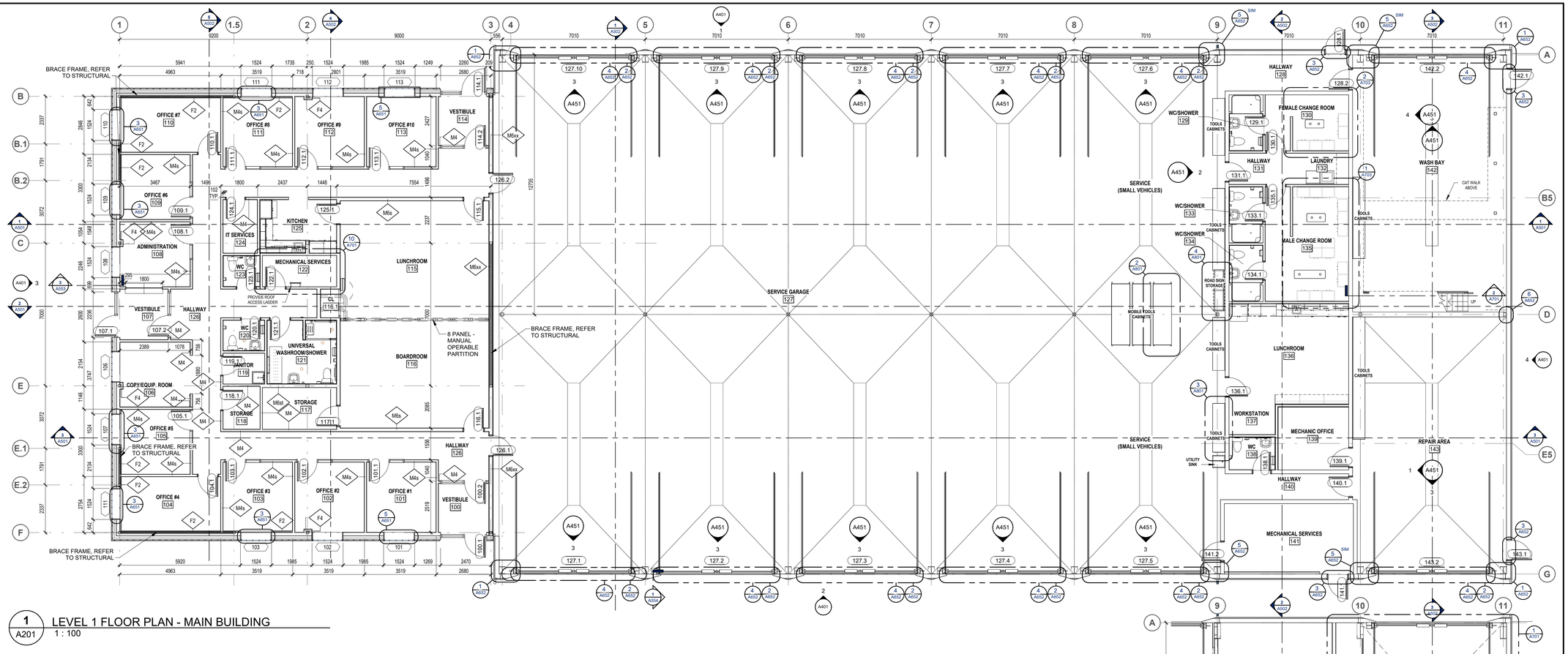
SHEET NAME

FOUNDATION PLANS

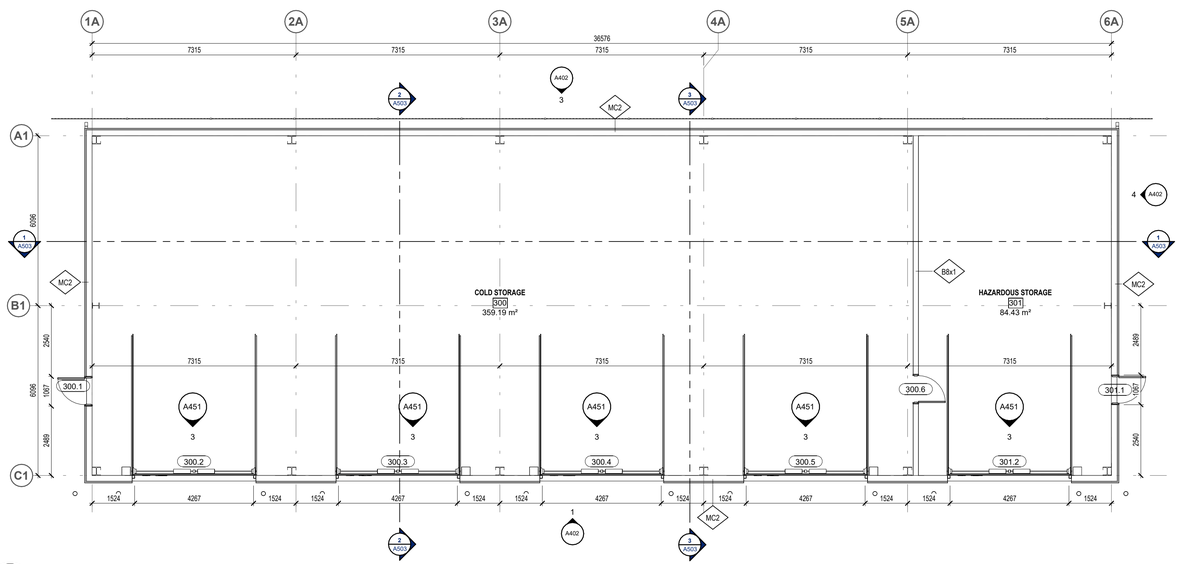
SHEET NO

A200

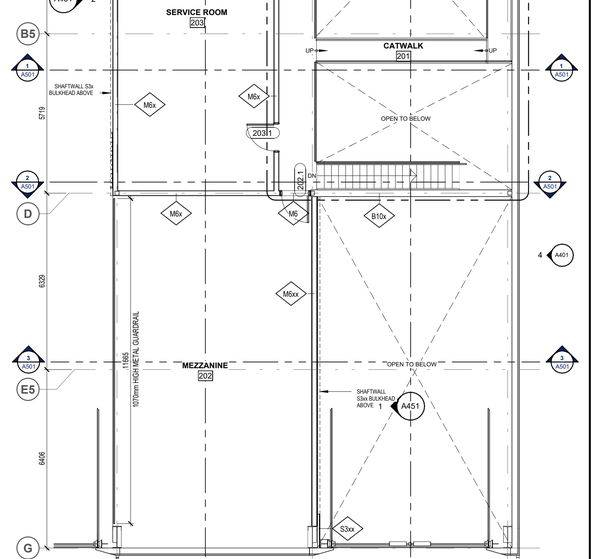
D (24"x36")



1 A201 LEVEL 1 FLOOR PLAN - MAIN BUILDING
1 : 100



3 A201 LEVEL 1 FLOOR PLAN - COLD STORAGE
1 : 100



2 A201 MEZZANINE FLOOR PLAN - MAIN BUILDING
1 : 100

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

NOT FOR CONSTRUCTION

ISSUANCE

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT AND TENDER

PROJECT NORTH | TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ARCHITECT.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECT.

PROJECT
TOWN OF SMITH FALLS
PUBLIC WORKS OPERATIONS CENTRE
11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

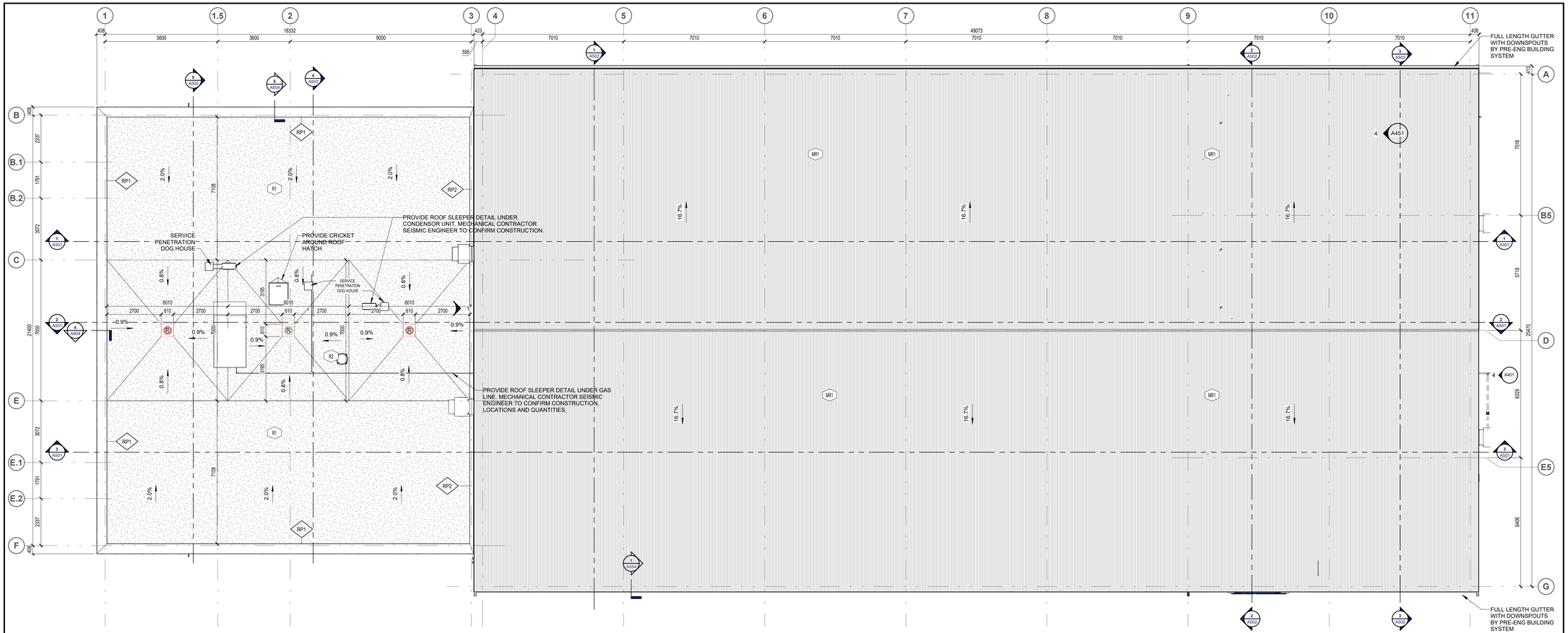
IDEA #	CLIENT #
26539	
DRAWN BY	CHECKED BY
MB/IP	**CWS**
DATE	SCALE
2026-06-29	**1 : 100**

SHEET NAME
FLOOR & MEZZANINE PLANS

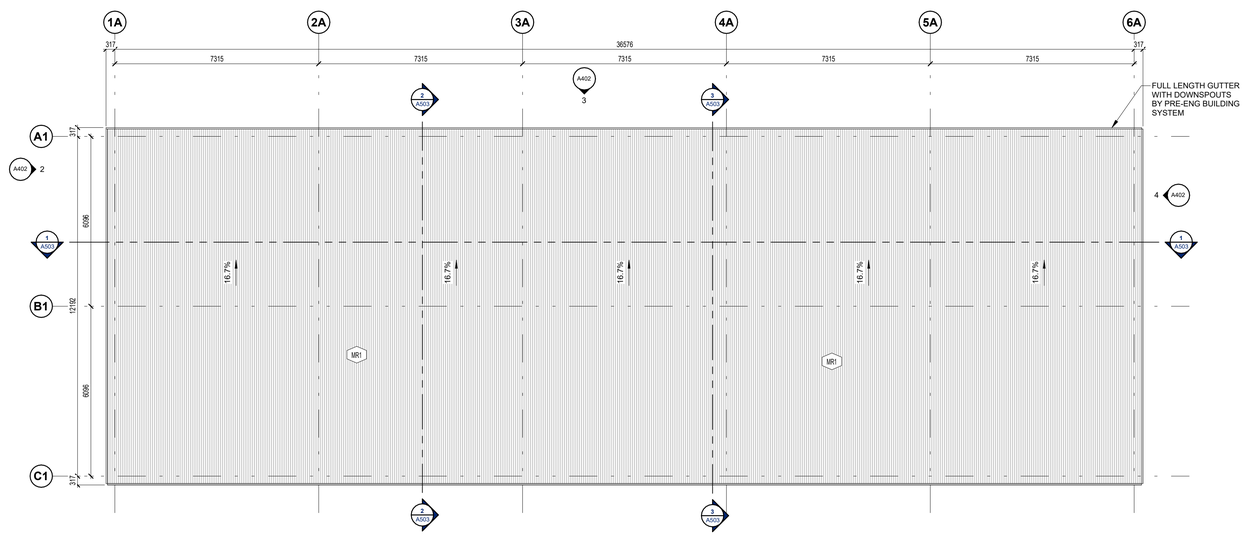
SHEET NO
A201

D (24"x36")

C:\Users\jpenagos\Documents\26539_Arch_Central_2024_jpenagos.rvt
2026-07-09 4:02:32 PM



1 A203 ROOF PLAN - MAIN BUILDING
1 : 100



2 A203 ROOF PLAN - COLD STORAGE
1 : 100

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

NOT FOR CONSTRUCTION

ISSUANCE

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT AND TENDER

PROJECT NORTH | TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ARCHITECT.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECT.

PROJECT

TOWN OF SMITH FALLS

PUBLIC WORKS OPERATIONS CENTRE

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA # **26539**

CLIENT #

DRAWN BY **MB/IP**

CHECKED BY **CWS**

DATE **2026-06-29**

SCALE **1 : 100**

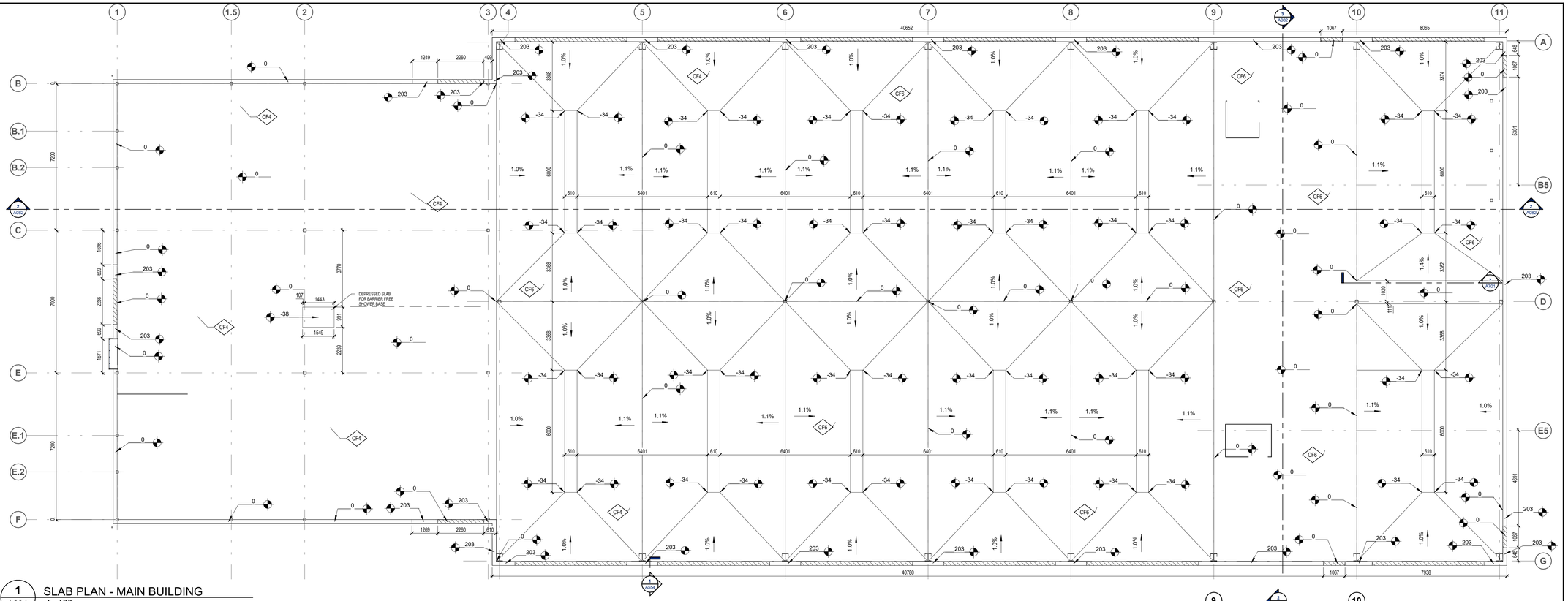
SHEET NAME

ROOF PLANS

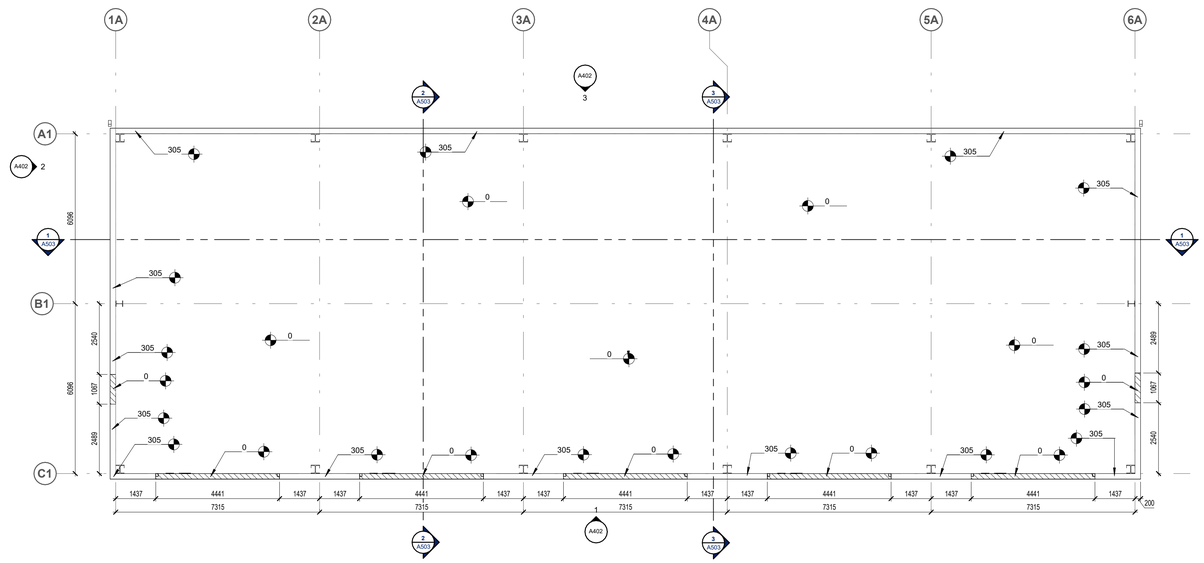
SHEET NO **A203**

D (24"x36")

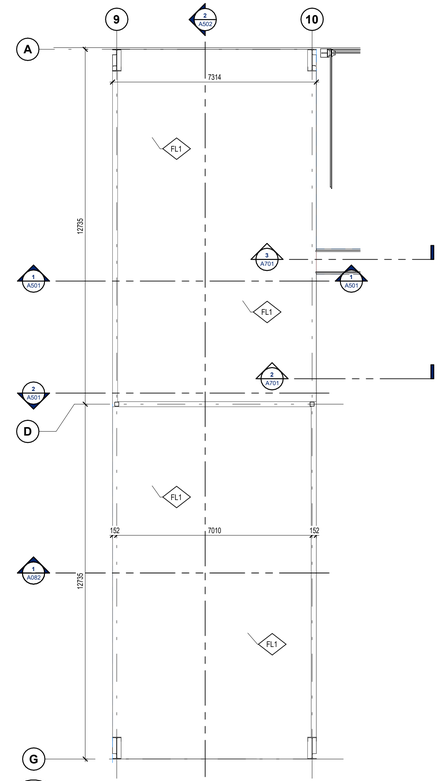
C:\Users\ipenagos\Documents\26539_Arch_Central_2024_ipenagos.rvt
2026-07-09 4:02:37 PM



1 A204 SLAB PLAN - MAIN BUILDING
1 : 100



2 A204 SLAB PLAN - COLD STORAGE
1 : 100



3 A204 MEZZANINE - SLAB PLAN
1 : 100

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

NOT FOR CONSTRUCTION

ISSUANCE

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT AND TENDER

PROJECT NORTH | TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ARCHITECT.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECT.

PROJECT

TOWN OF SMITH FALLS

PUBLIC WORKS OPERATIONS CENTRE

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA # **26539**

CLIENT #

DRAWN BY **MB/IP**

CHECKED BY **CWS**

DATE **2026-06-29**

SCALE **As indicated**

SHEET NAME

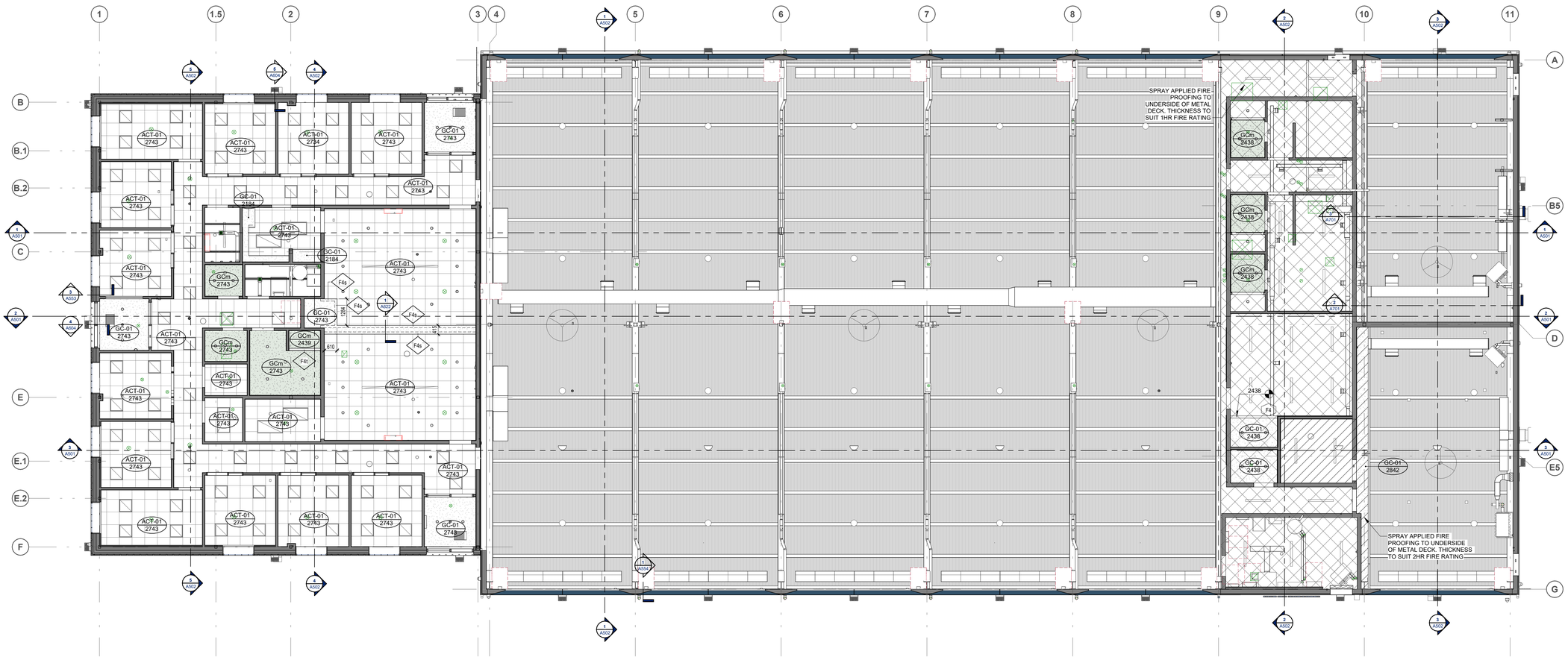
SLAB FLOOR PLANS

SHEET NO **A204**

D (24"x36")

C:\Users\jpenagos\Documents\26539_Arch_Central_2024_jpenagos.rvt

2026-07-09 4:02:40 PM



1 A301 REFLECTED CEILING PLAN - GROUND LEVEL - MAIN BUILDING
1 : 100

SPRAY APPLIED FIRE PROOFING TO UNDERSIDE OF METAL DECK. THICKNESS TO SUIT 1HR FIRE RATING

SPRAY APPLIED FIRE PROOFING TO UNDERSIDE OF METAL DECK. THICKNESS TO SUIT 2HR FIRE RATING

SPRAYED FIREPROOFING LEGEND
1 : 10

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

NOT FOR CONSTRUCTION

ISSUANCE

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT AND TENDER

PROJECT NORTH | TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ARCHITECT.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECT.

PROJECT
TOWN OF SMITH FALLS
PUBLIC WORKS OPERATIONS CENTRE
11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA # **26539**
CLIENT #

DRAWN BY **MB/IP**
CHECKED BY **CWS**

DATE **2026-06-29**
SCALE **As indicated**

SHEET NAME
REFLECTED CEILING PLAN MAIN BUILDING

SHEET NO
A301

D (24"x36")

C:\Users\ljonesgor\Documents\26539_Arch_Central_2024_jlonesgor.rvt
2026-07-09 4:02:46 PM

GENERAL NOTES

1. ALL NEW FINISH WORK SHALL CONFORM TO APPLICABLE BUILDING CODES AND MANUFACTURER'S INSTRUCTIONS.
2. PREPARE AND REPAIR EXISTING SURFACES WHERE REMOVALS OR NEW INSTALLATIONS OCCURRED, PRIOR TO APPLYING NEW FINISHES.
3. MATCH EXISTING ADJACENT FINISHES UNLESS OTHERWISE SPECIFIED IN THE FINISH SCHEDULE.
4. COMPLETE FINISH REPAIRS AT WALLS AND FLOORS BEFORE REINSTALLING TEMPORARILY REMOVED WALL- AND FLOOR-MOUNTED ELEMENTS.
5. PROTECT NEW AND EXISTING FINISHES FROM DAMAGE DURING AND AFTER INSTALLATION UNTIL FINAL ACCEPTANCE.

ELEVATION FINISH LEGEND

MR1 PRE-FINISHED STANDING-SEAM METAL ROOF PANELS
MANUFACTURER: ROBERTSON BUILDING SYSTEMS
PROFILE: **DOUBLE-LOK**
COLOUR: **SLATE GRAY**

MC1 PRE-FINISHED METAL CLADDING
MANUFACTURER: ROBERTSON BUILDING SYSTEMS
PROFILE: **PBU** 6" O.C. RIBS, VERTICAL ORIENTATION
COLOUR: **CAMBRIDGE WHITE**

MC2 PRE-FINISHED METAL WALL PANELS
MANUFACTURER: ROBERTSON BUILDING SYSTEMS
PROFILE: **PBD**, 2¼" O.C. RIBS, VERTICAL ORIENTATION
COLOUR: **CAMBRIDGE WHITE**

MC3 PRE-FINISHED METAL WALL PANELS - ALUMINUM
PROFILE: SMOOTH FLAT / FLUSH
COLOUR: **HERON BLUE**

MC4 PRE-FINISHED METAL WALL PANELS
MANUFACTURER: VICWEST
PROFILE: **AD275**, VERTICAL W/ STAGGERED HORIZONTAL REVEALS
COLOUR: **CAMBRIDGE WHITE**

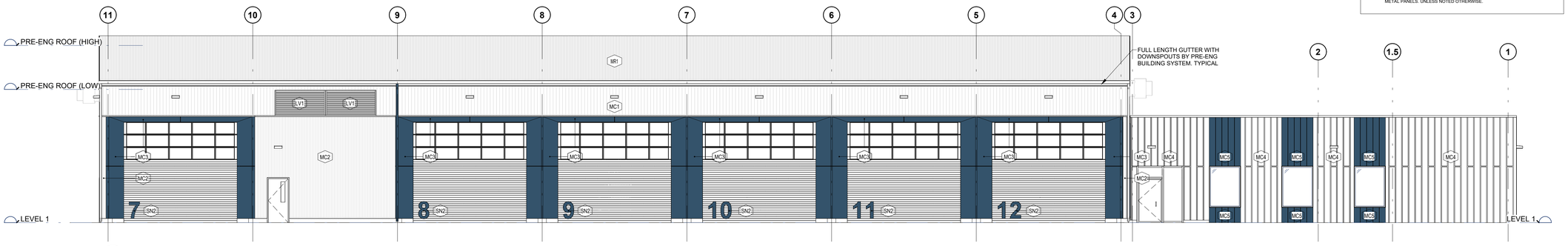
MC5 PRE-FINISHED METAL WALL PANELS
MANUFACTURER: VICWEST
PROFILE: **AD300**, VERTICAL
COLOUR: **HERON BLUE**

SN1 PRE-MANUFACTURED CAN LETTER SIGNAGE
COLOURS: **VARIOUS-** TO MATCH INSTITUTIONAL COLORS

SN2 APPLIED VINYL O/H DOOR BAY IDENTIFICATION NUMERALS
COLOUR: **HERON BLUE**

LV1 LOUVRE. REFER TO MECHANICAL.

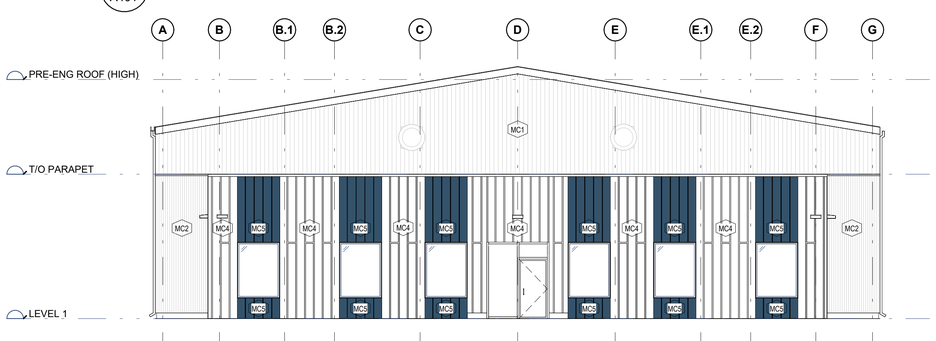
NOTE: ALL EXTERIOR METAL ACCESSORIES TO MATCH ADJACENT METAL PANELS. UNLESS NOTED OTHERWISE.



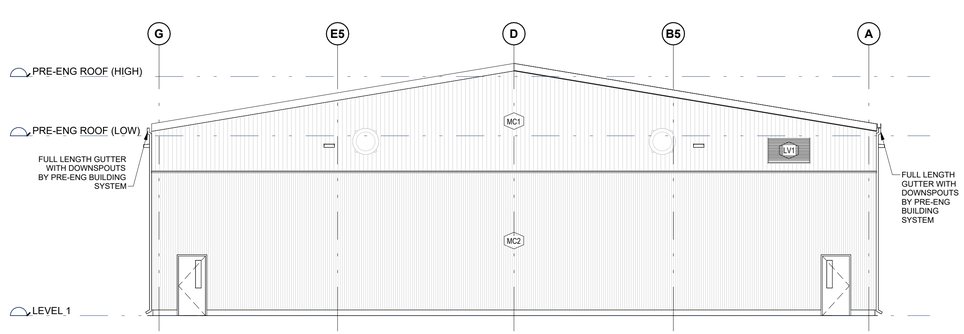
1 A401 NORTH ELEVATION
1 : 100



2 A401 SOUTH ELEVATION
1 : 100



3 A401 WEST ELEVATION
1 : 100



4 A401 EAST ELEVATION
1 : 100

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

NOT FOR CONSTRUCTION

ISSUANCE

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT AND TENDER

PROJECT NORTH | TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ARCHITECT.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECT.

PROJECT
TOWN OF SMITH FALLS
PUBLIC WORKS OPERATIONS CENTRE
11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

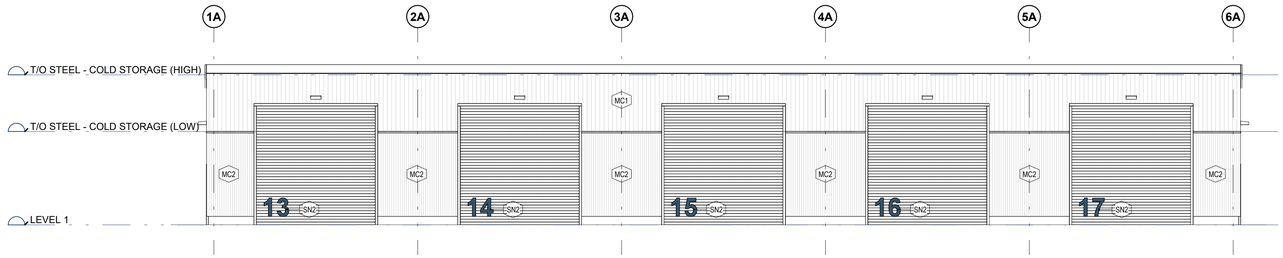
IDEA # **26539**
CLIENT #
DRAWN BY **MB/IP**
CHECKED BY **CWS**
DATE **2026-06-05**
SCALE **As indicated**

SHEET NAME
EXTERIOR ELEVATIONS - MAIN BUILDING

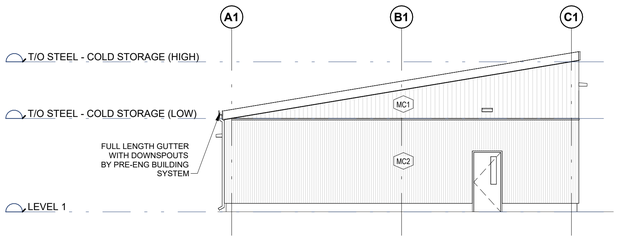
SHEET NO
A401

D (24"x36")

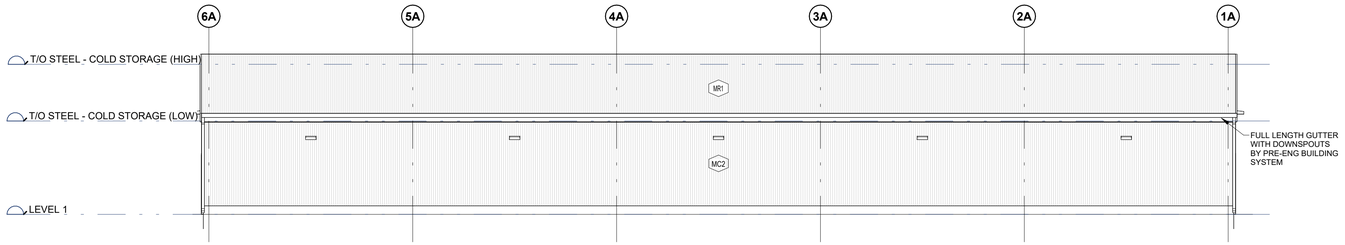
C:\Users\jpenagos\Documents\26539_Arch_Central_2024_jpenagos.rvt
2026-07-09 4:03:02 PM



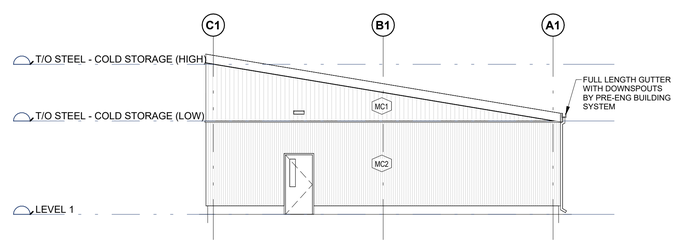
1 A402 COLD STORAGE - NORTH ELEVATION
1 : 100



2 A402 COLD STORAGE - WEST ELEVATION
1 : 100



3 A402 COLD STORAGE - SOUTH ELEVATION
1 : 100



4 A402 COLD STORAGE - EAST ELEVATION
1 : 100

GENERAL NOTES

1. ALL NEW FINISH WORK SHALL CONFORM TO APPLICABLE BUILDING CODES AND MANUFACTURER'S INSTRUCTIONS.
2. PREPARE AND REPAIR EXISTING SURFACES WHERE REMOVALS OR NEW INSTALLATIONS OCCURRED, PRIOR TO APPLYING NEW FINISHES.
3. MATCH EXISTING ADJACENT FINISHES UNLESS OTHERWISE SPECIFIED IN THE FINISH SCHEDULE.
4. COMPLETE FINISH REPAIRS AT WALLS AND FLOORS BEFORE REINSTALLING TEMPORARILY REMOVED WALL- AND FLOOR-MOUNTED ELEMENTS.
5. PROTECT NEW AND EXISTING FINISHES FROM DAMAGE DURING AND AFTER INSTALLATION UNTIL FINAL ACCEPTANCE.

ELEVATION FINISH LEGEND

MR1 PRE-FINISHED STANDING-SEAM METAL ROOF PANELS
MANUFACTURER: ROBERTSON BUILDING SYSTEMS
PROFILE: **DOUBLE-LOK**
COLOUR: **SLATE GRAY**

MC1 PRE-FINISHED METAL CLADDING
MANUFACTURER: ROBERTSON BUILDING SYSTEMS
PROFILE: **PBU** 9" O.C. RIBS, VERTICAL ORIENTATION
COLOUR: **CAMBRIDGE WHITE**

MC2 PRE-FINISHED METAL WALL PANELS
MANUFACTURER: ROBERTSON BUILDING SYSTEMS
PROFILE: **PBD**, 2½" O.C. RIBS, VERTICAL ORIENTATION
COLOUR: **CAMBRIDGE WHITE**

MC3 PRE-FINISHED METAL WALL PANELS - ALUMINUM
PROFILE: SMOOTH FLAT / FLUSH
COLOUR: **HERON BLUE**

MC4 PRE-FINISHED METAL WALL PANELS
MANUFACTURER: VICWEST
PROFILE: **AD275**, VERTICAL W/ STAGGERED HORIZONTAL REVEALS
COLOUR: **CAMBRIDGE WHITE**

MC5 PRE-FINISHED METAL WALL PANELS
MANUFACTURER: VICWEST
PROFILE: **AD150**, VERTICAL
COLOUR: **HERON BLUE**

SN1 PRE-MANUFACTURED CAN LETTER SIGNAGE
COLOURS: **VARIOUS** - TO MATCH INSTITUTIONAL COLORS

SN2 APPLIED VINYL O/H DOOR BAY IDENTIFICATION NUMERALS
COLOUR: **HERON BLUE**

LV1 LOUVRE. REFER TO MECHANICAL.

NOTE: ALL EXTERIOR METAL ACCESSORIES TO MATCH ADJACENT METAL PANELS, UNLESS NOTED OTHERWISE.

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

NOT FOR CONSTRUCTION

ISSUANCE

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT AND TENDER

PROJECT NORTH | TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ARCHITECT.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECT.

PROJECT

TOWN OF SMITH FALLS

PUBLIC WORKS OPERATIONS CENTRE

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA #	CLIENT #
26539	
DRAWN BY	CHECKED BY
MB/IP	**CWS**
DATE	SCALE
2026-06-05	**As indicated**

SHEET NAME

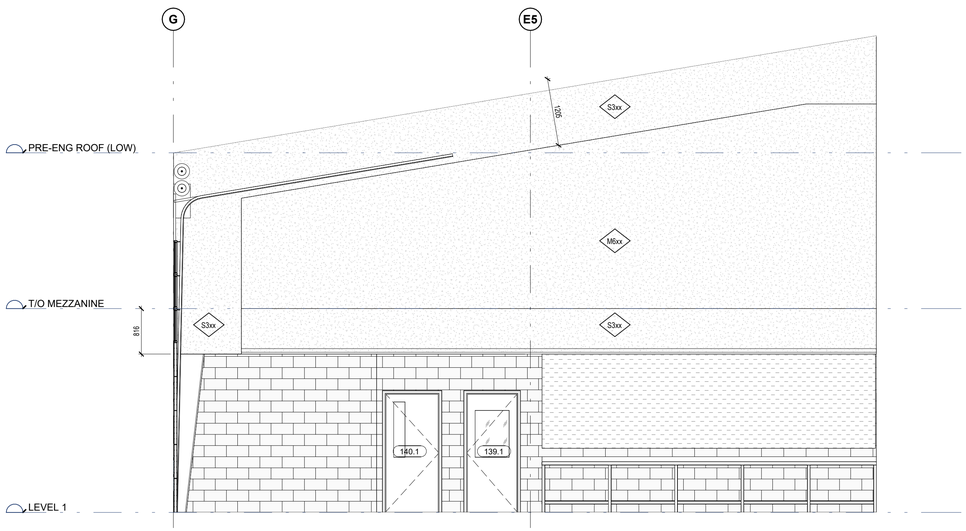
EXTERIOR ELEVATIONS - COLD STORAGE

SHEET NO

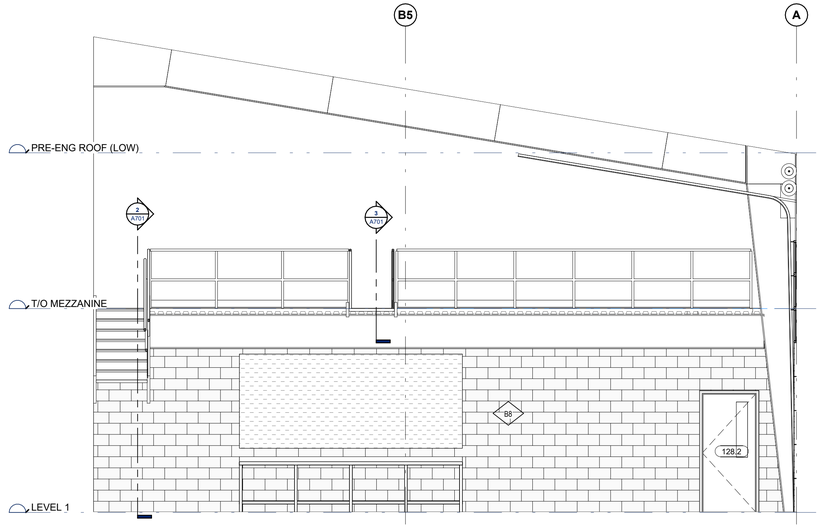
A402

D (24"x36")

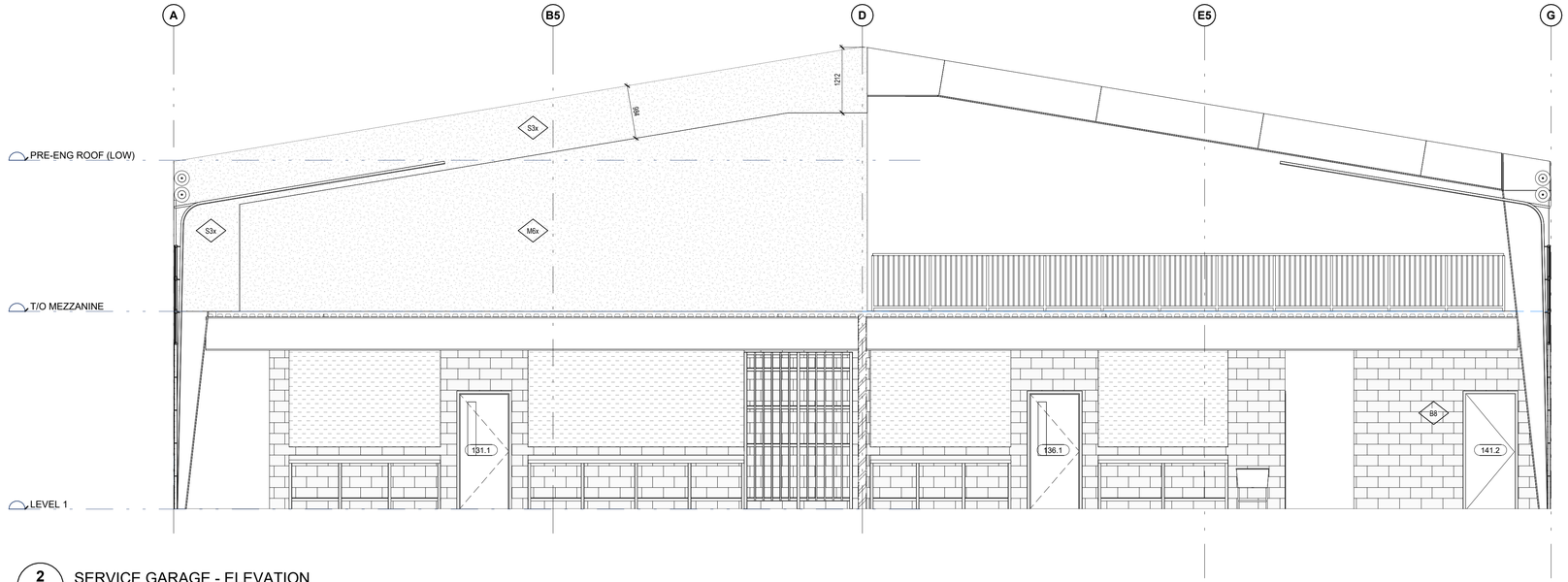
C:\Users\jenagos\Documents\26539_Arch_Central_2024_jenagos.rvt
2026-07-09 4:03:05 PM



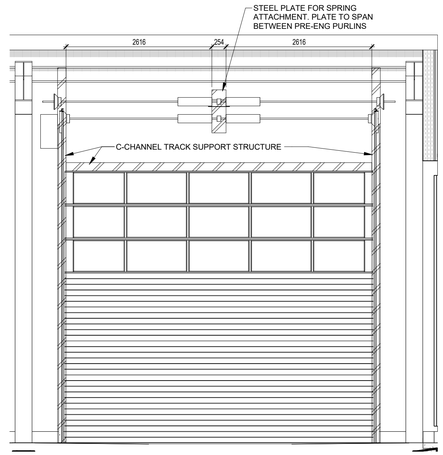
1 A451 REPAIR BAY - ELEVATION
1 : 50



4 A451 WASH BAY - ELEVATION
1 : 50



2 A451 SERVICE GARAGE - ELEVATION
1 : 50



3 A451 TYP. OVERHEAD DOOR STRUCTURE
1 : 50

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

NOT FOR CONSTRUCTION

ISSUANCE

NO	DATE	ISSUE
A	2026-06-29	ISSUED FOR PERMIT AND TENDER

PROJECT NORTH | TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ARCHITECT.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECT.

PROJECT

TOWN OF SMITH FALLS

PUBLIC WORKS OPERATIONS CENTRE

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA # **26539** | CLIENT #

DRAWN BY **Author** | CHECKED BY **Checker**

DATE **2026-06-05** | SCALE **1 : 50**

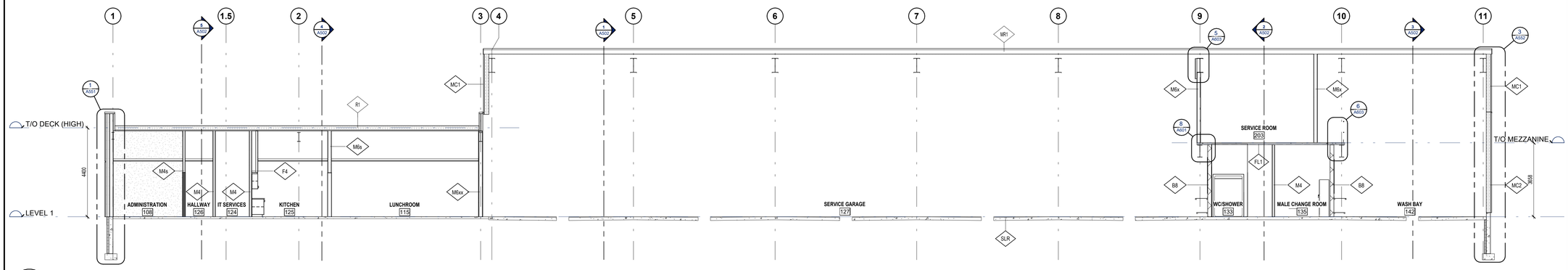
SHEET NAME

INTERIOR ELEVATIONS - MAIN BUILDING

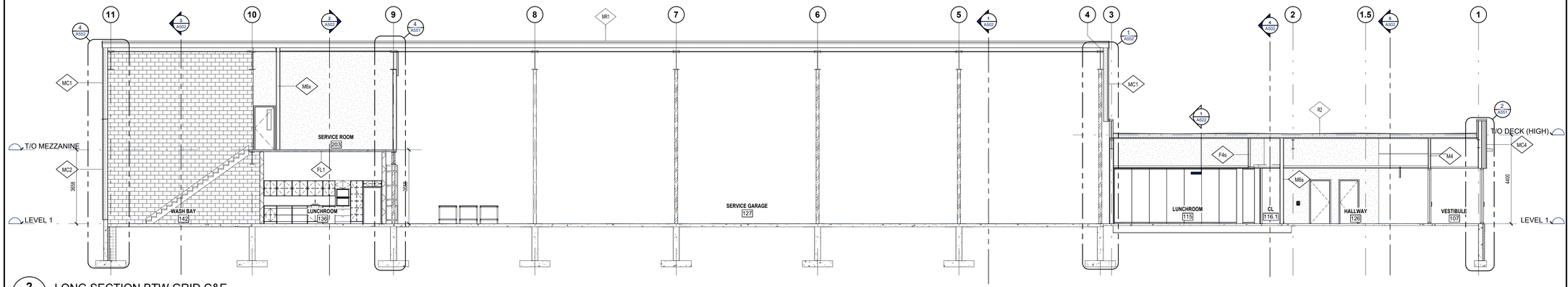
SHEET NO **A451**

D (24"x36")

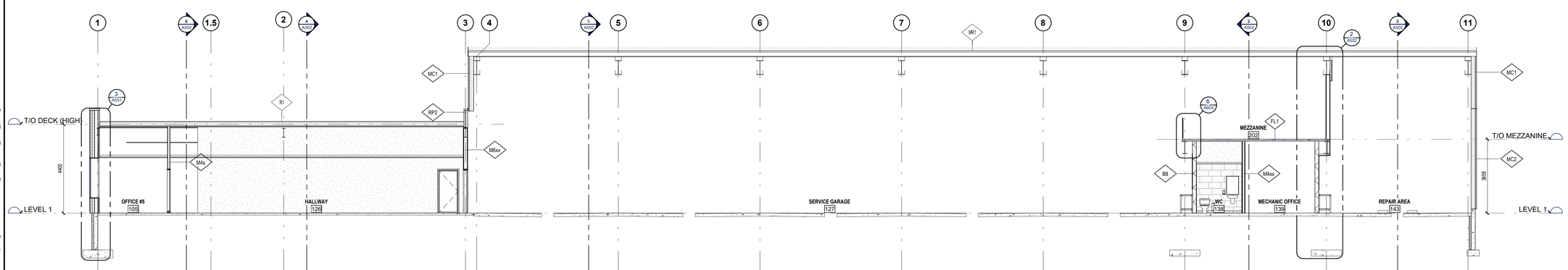
C:\Users\jpenagos\Documents\26539_Arch_Central_2024_jpenagos.rvt
2026-07-09 4:03:07 PM



1 A501 LONG SECTION BTW GRID B&C
1 : 100



2 A501 LONG SECTION BTW GRID C&E
1 : 100



3 A501 LONG SECTION BTW GRID E&F
1 : 100

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

NOT FOR CONSTRUCTION

ISSUANCE

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT AND TENDER

PROJECT NORTH | TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ARCHITECT.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECT.

PROJECT
TOWN OF SMITH FALLS
PUBLIC WORKS OPERATIONS CENTRE
11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

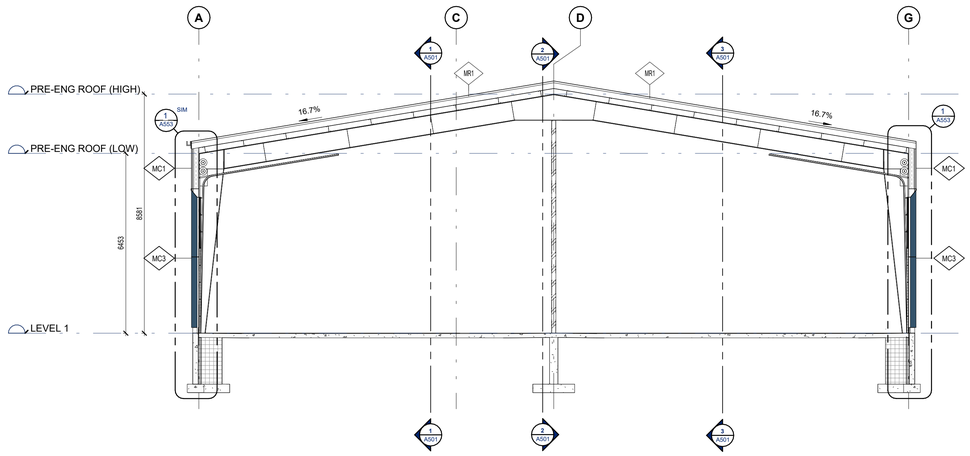
IDEA # **26539**
CLIENT #
DRAWN BY **MB/IP**
CHECKED BY **CWS**
DATE **2026-06-29**
SCALE **1 : 100**

SHEET NAME
BUILDING SECTIONS - MAIN BUILDING

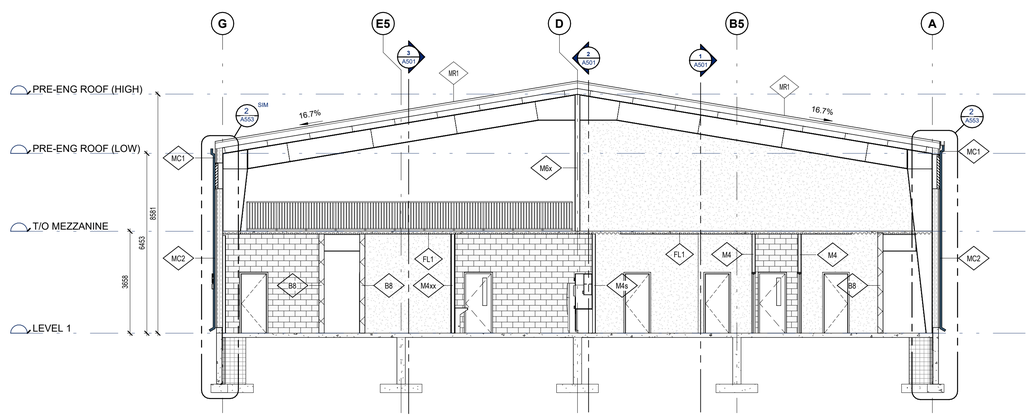
SHEET NO
A501

D (24"x36")

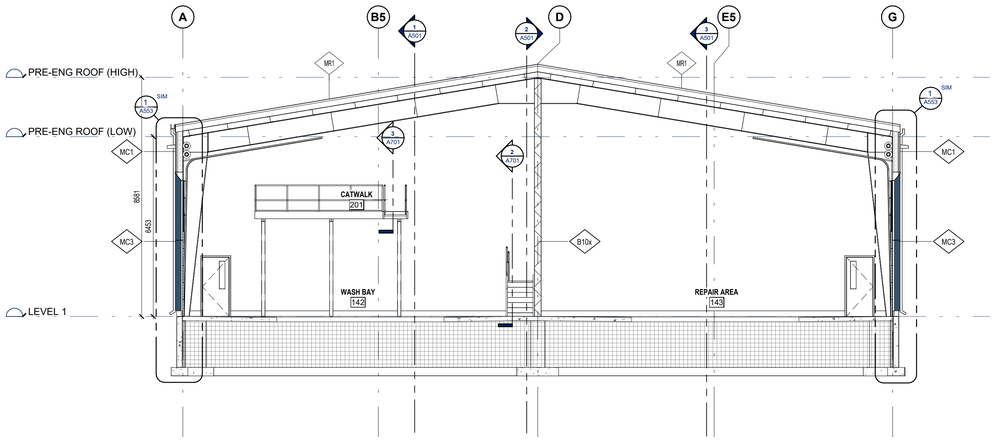
C:\Users\jpenagos\Documents\26539_Arch_Central_2024_jpenagos.rvt
2026-07-09 4:03:10 PM



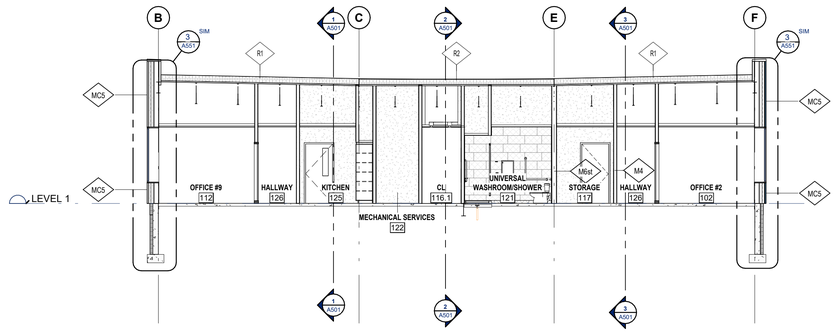
1 A502 SHORT SECTION @ SERVICE GARAGE
1 : 100



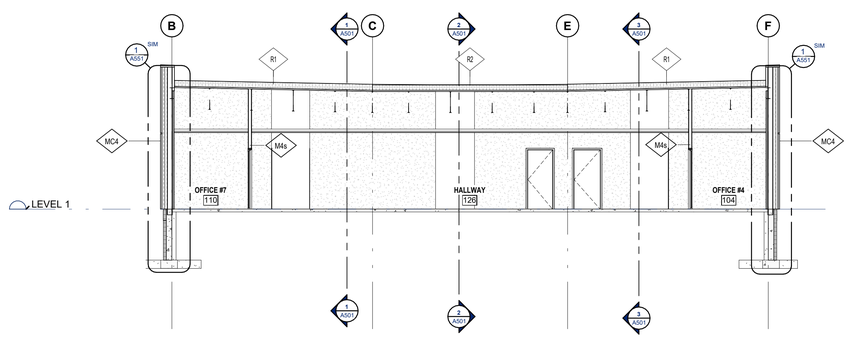
2 A502 SHORT SECTION @ MEZZANINE
1 : 100



3 A502 SHORT SECTION @ WASH BAY
1 : 100



4 A502 SHORT SECTION BTW GRID 2&3
1 : 100



5 A502 SHORT SECTION BTW GRID 1&2
1 : 100

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

NOT FOR CONSTRUCTION

ISSUANCE

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT AND TENDER

PROJECT NORTH | TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ARCHITECT.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECT.

PROJECT
TOWN OF SMITH FALLS
PUBLIC WORKS OPERATIONS CENTRE
11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA # **26539**
CLIENT #

DRAWN BY **MB/IP**
CHECKED BY **CWS**

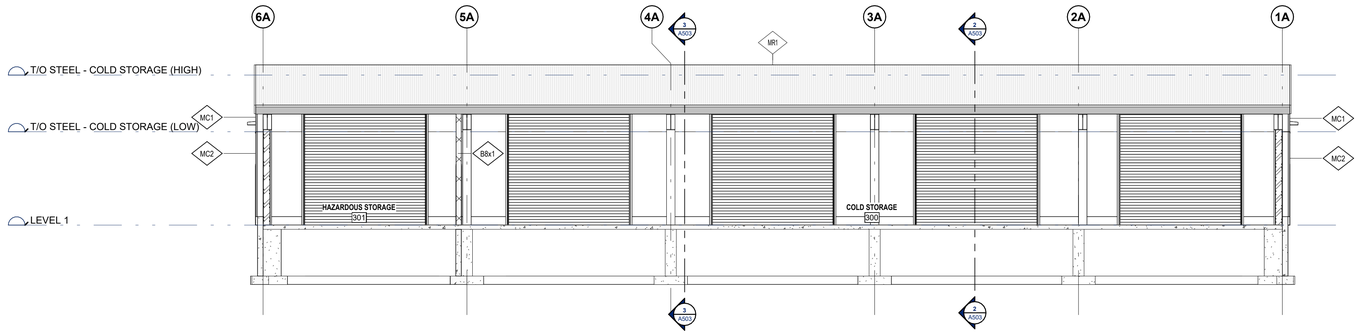
DATE **2026-06-05**
SCALE **1 : 100**

SHEET NAME
BUILDING SECTIONS - MAIN BUILDING

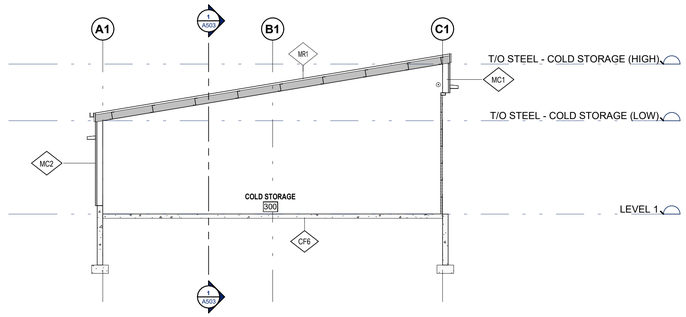
SHEET NO
A502

D (24"x36")

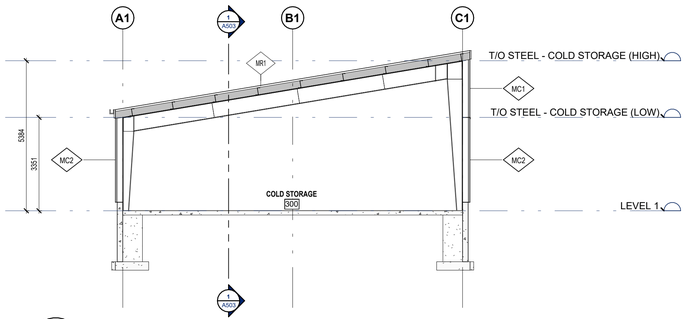
C:\Users\jpenagos\Documents\26539_Arch_Central_2024_jpenagos.rvt
2026-07-09 4:03:13 PM



1 / A503 LONG SECTION - COLD STORAGE
1 : 100



2 / A503 SHORT SECTION BTW GRID 2A&3A - COLD STORAGE
1 : 100



3 / A503 SHORT SECTION BTW GRID 4A&5A - COLD STORAGE
1 : 100

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

NOT FOR CONSTRUCTION

ISSUANCE

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT AND TENDER

PROJECT NORTH | TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ARCHITECT.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECT.

PROJECT

TOWN OF SMITH FALLS

PUBLIC WORKS OPERATIONS CENTRE

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA #	CLIENT #
26539	
DRAWN BY	CHECKED BY
MB/IP	**CWS**
DATE	SCALE
2026-06-05	**1 : 100**

SHEET NAME

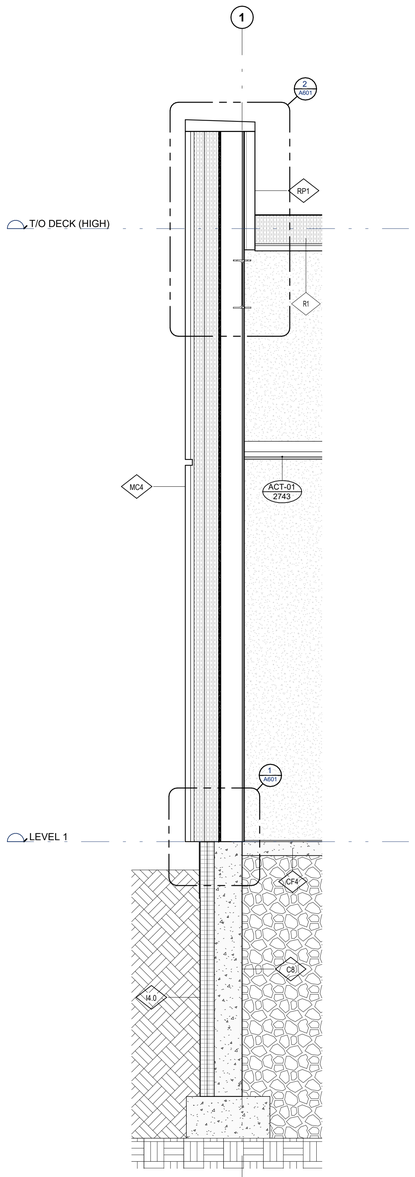
BUILDING SECTIONS - COLD STORAGE

SHEET NO

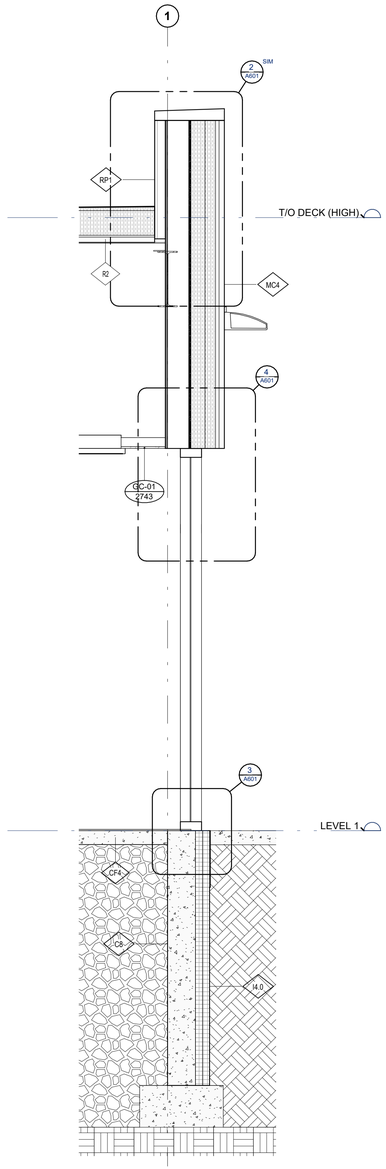
A503

D (24"x36")

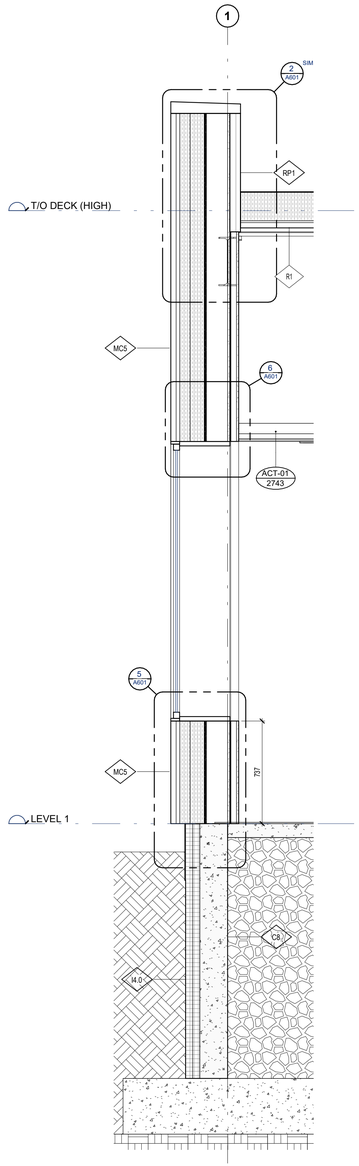
C:\Users\jpenagos\Documents\26539_Arch_Central_2024_jpenagos.rvt
2026-07-09 4:03:15 PM



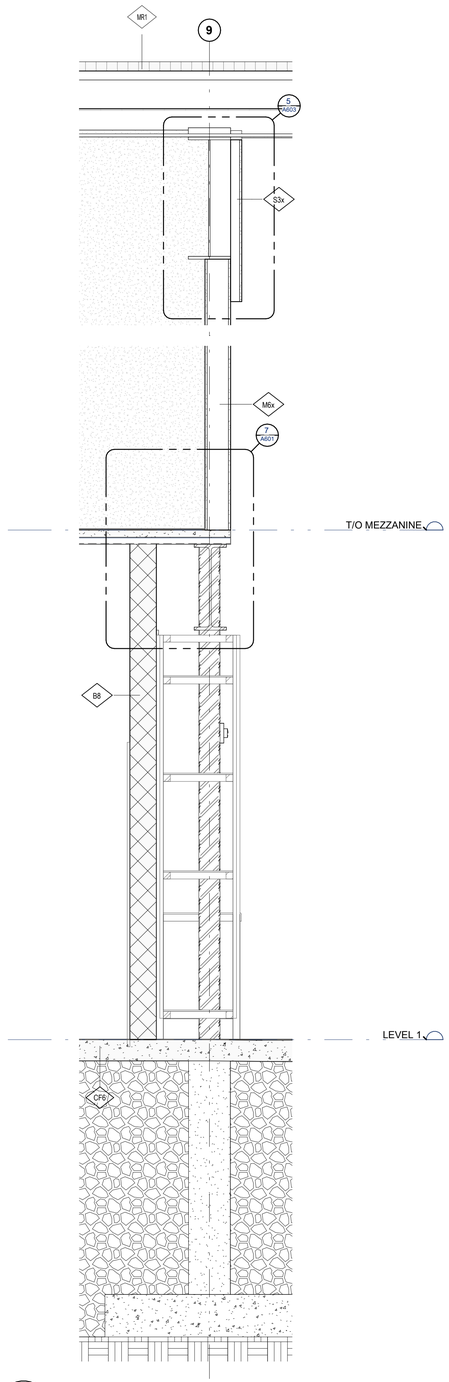
1 A551 WALL SECTION @ TYP. OFFICE WALL
1 : 20



2 A551 WALL SECTION @ TYP. OFFICE DOOR
1 : 20



3 A551 WALL SECTION @ TYP. OFFICE WINDOWS
1 : 20



4 A551 SECTION @ MEZZANINE
1 : 20

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

NOT FOR CONSTRUCTION

ISSUANCE

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT AND TENDER

PROJECT NORTH | TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ARCHITECT.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECT.

PROJECT

TOWN OF SMITH FALLS

PUBLIC WORKS OPERATIONS CENTRE

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA # **26539**

CLIENT #

DRAWN BY **MB/IP**

CHECKED BY **CWS**

DATE **2026-06-05**

SCALE **1 : 20**

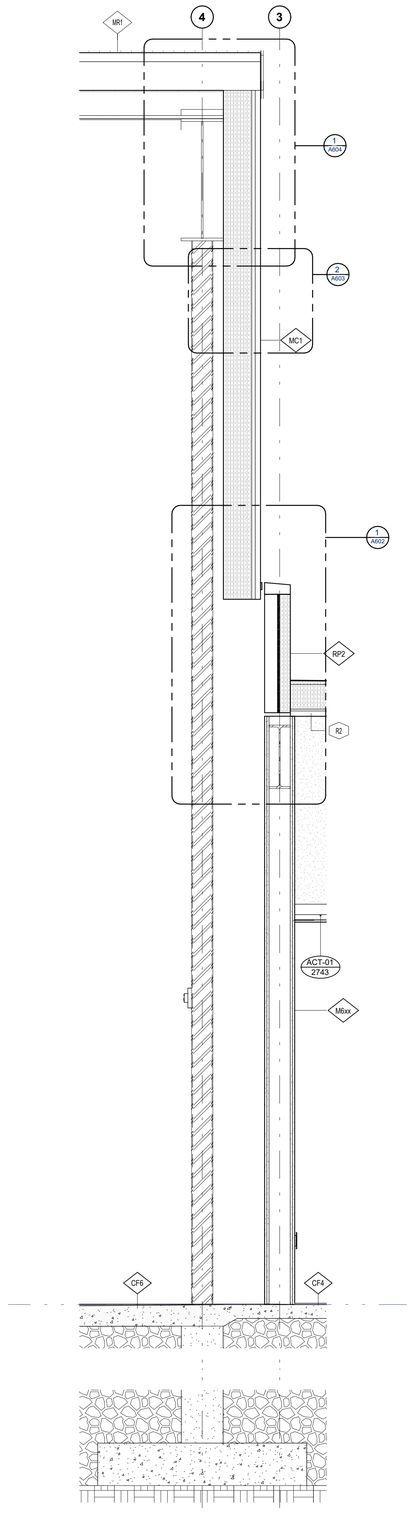
SHEET NAME

WALL SECTIONS

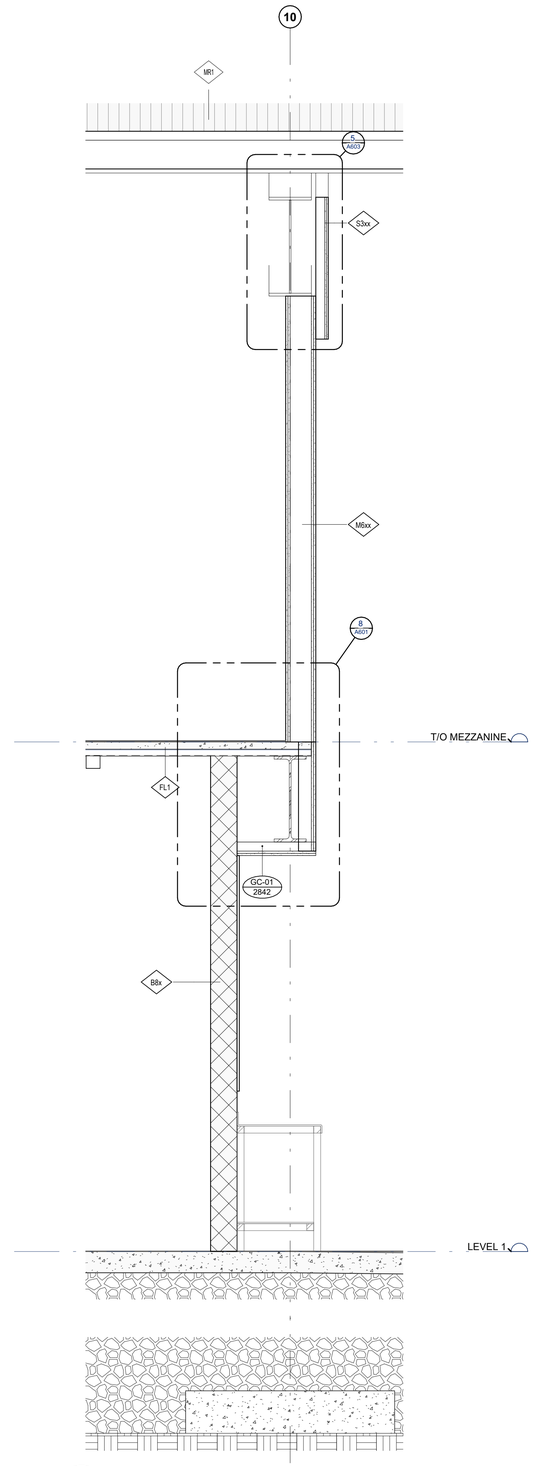
SHEET NO **A551**

D (24"x36")

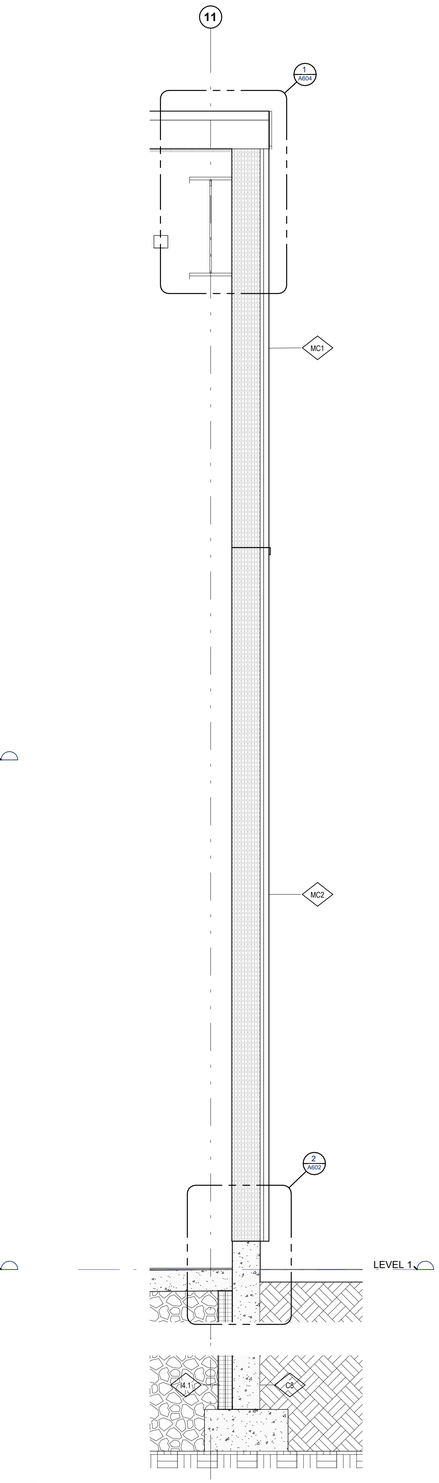
C:\Users\jpenagos\Documents\26539_Arch_Central_2024_jpenagos.rvt
2026-07-09 4:03:17 PM



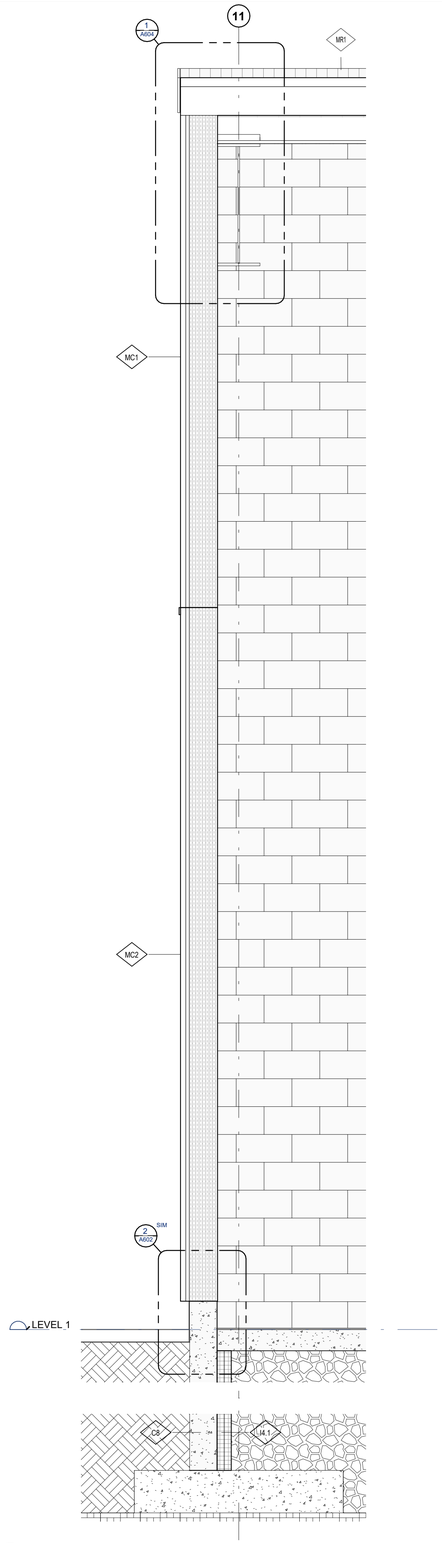
1 / A552 TYP. WALL SECTION @ OFFICE TO WAREHOUSE
1 : 20



2 / A552 TYP. WALL SECTION @ MEZZ
1 : 20



3 / A552 TYP. WALL SECTION @ PRE-ENG END WALL
1 : 20



4 / A552 TYP. WALL SECTION @ PRE-ENG END WALL
1 : 20

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

NOT FOR CONSTRUCTION

ISSUANCE

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT AND TENDER

PROJECT NORTH | TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ARCHITECT.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECT.

PROJECT

TOWN OF SMITH FALLS

PUBLIC WORKS OPERATIONS CENTRE

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA # **26539**

CLIENT #

DRAWN BY **MB/IP**

CHECKED BY **CWS**

DATE **2026-06-05**

SCALE **1 : 20**

SHEET NAME

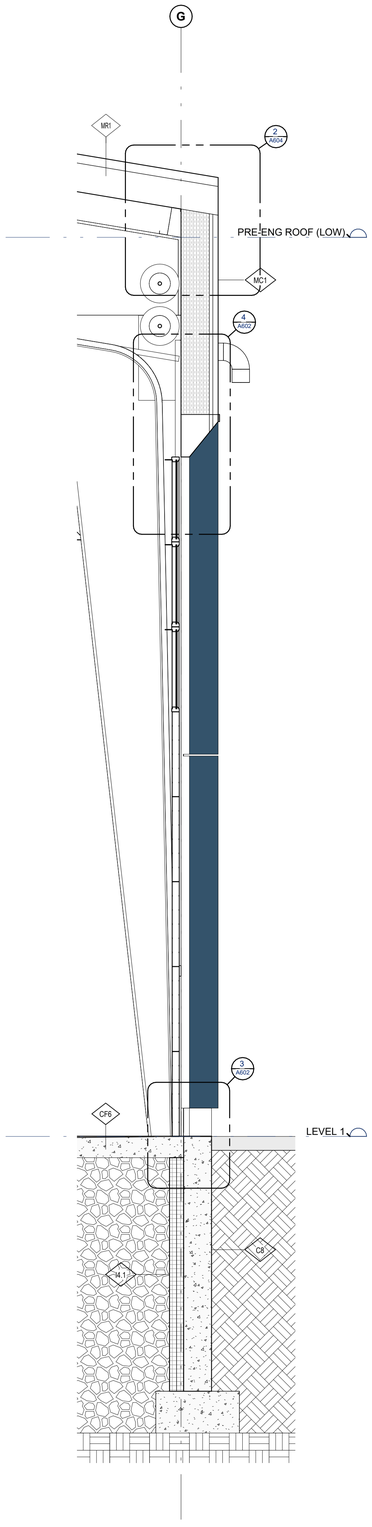
WALL SECTIONS

SHEET NO.

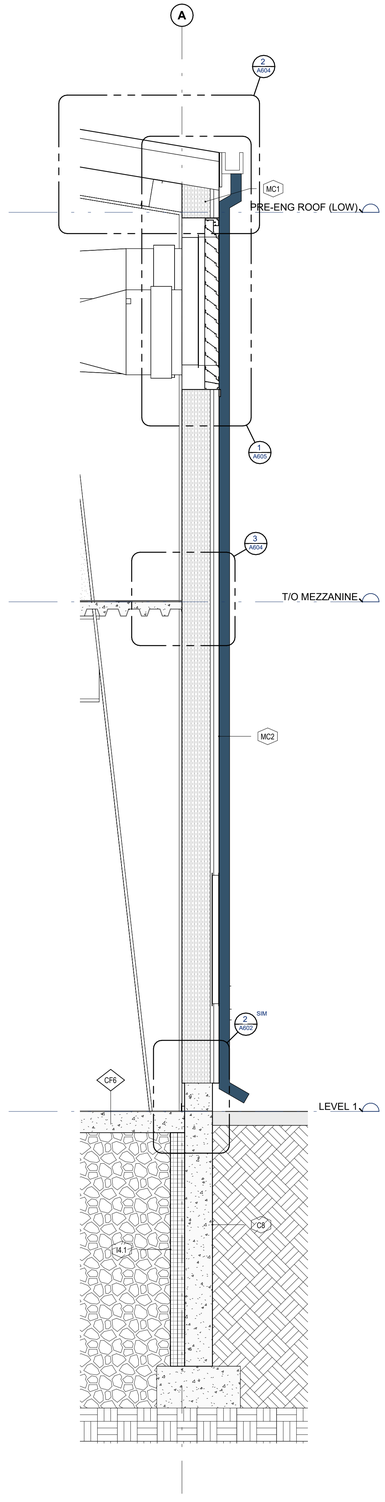
A552

D (24"x36")

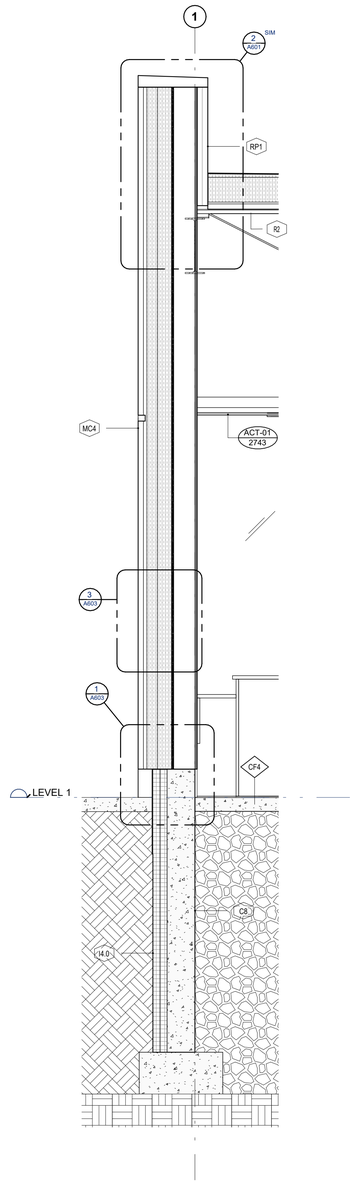
C:\Users\jpenagos\Documents\26539_Arch_Central_2024_jpenagos.rvt
2026-07-09 4:03:18 PM



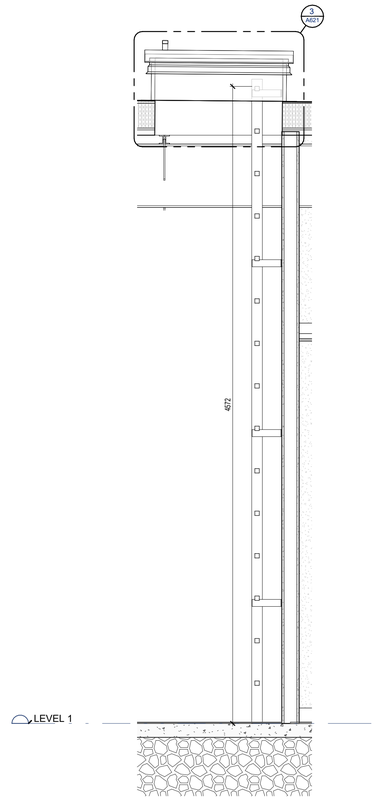
1 A553 TYP. WALL SECTION @ OVERHEAD DOOR
1 : 20



2 A553 TYP. WALL SECTION @ PRE-ENG
1 : 20



3 A553 OFFICE WALL SECTION BESIDE DOOR
1 : 20



4 A553 ROOF ACCESS LADDER SECTION
1 : 20

C:\Users\jenagos\Documents\26539_Arch_Central_2024_jenagos.rvt

2026-07-09 4:03:20 PM

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

NOT FOR CONSTRUCTION

ISSUANCE

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT AND TENDER

PROJECT NORTH TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ARCHITECT.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECT.

PROJECT

TOWN OF SMITH FALLS

PUBLIC WORKS OPERATIONS CENTRE

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA # **26539**

CLIENT #

DRAWN BY **MB/IP**

CHECKED BY **CWS**

DATE **2026-06-05**

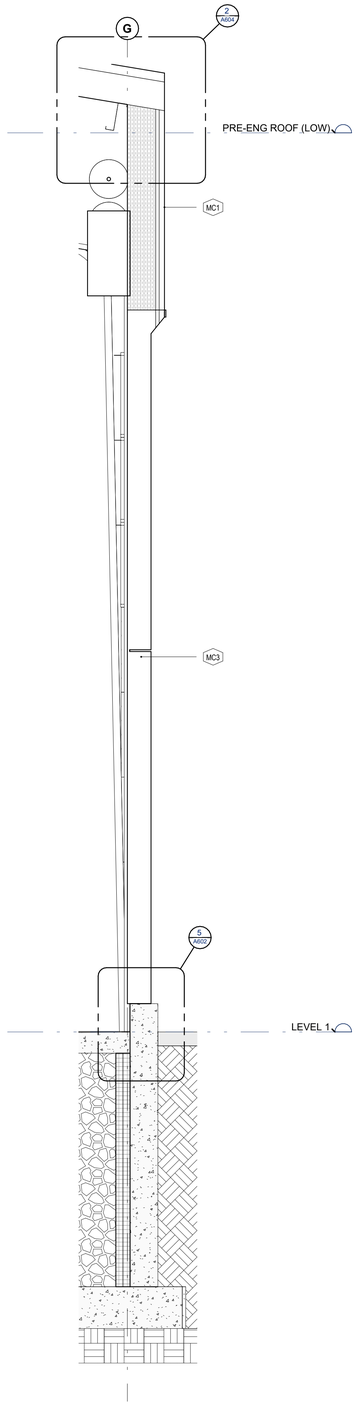
SCALE **1 : 20**

SHEET NAME

WALL SECTIONS

SHEET NO **A553**

D (24"x36")



1 / A554 WALL SECTION @ O/H DOOR DETAIL
1 : 20

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

NOT FOR CONSTRUCTION

ISSUANCE

NO	DATE	ISSUE
A	2026-06-29	ISSUED FOR PERMIT AND TENDER

PROJECT NORTH | TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ARCHITECT.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECT.

PROJECT

TOWN OF SMITH FALLS

PUBLIC WORKS OPERATIONS CENTRE

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA # **26539**

CLIENT #

DRAWN BY **Author**

CHECKED BY **Checker**

DATE **2026-06-05**

SCALE **1 : 20**

SHEET NAME

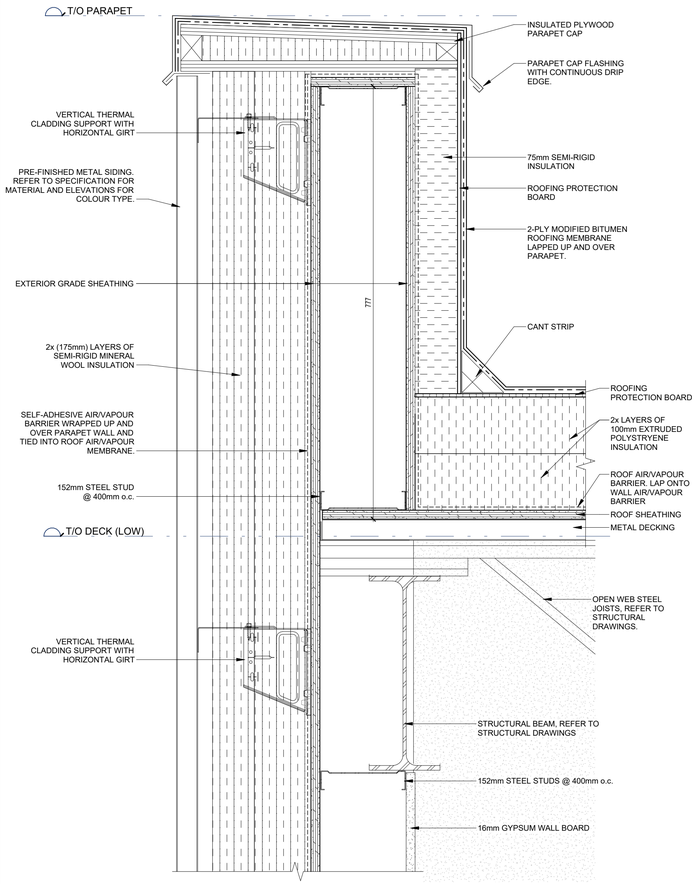
WALL SECTIONS

SHEET NO

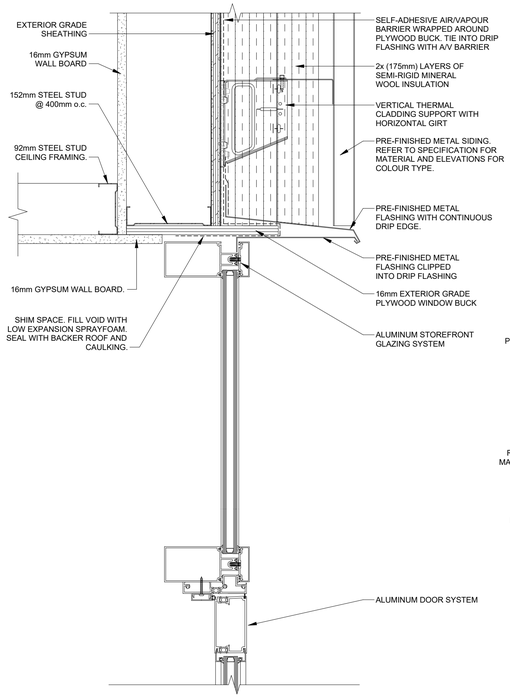
A554

D (24"x36")

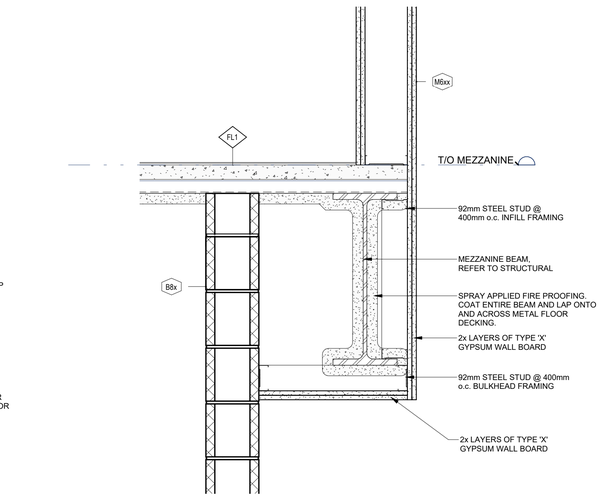
C:\Users\jpenagos\Documents\26539_Arch_Central_2024_jpenagos.rvt
2026-07-09 4:03:21 PM



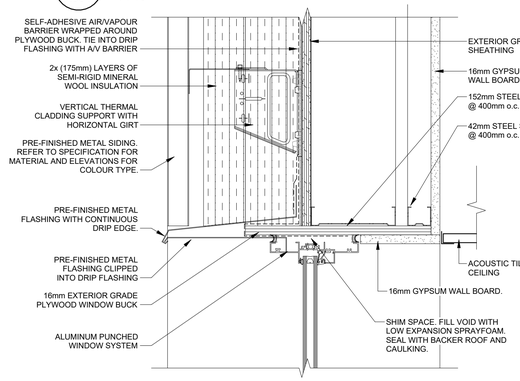
2 A601 TYP. OFFICE TOP OF WALL TO ROOF DETAIL
1 : 5



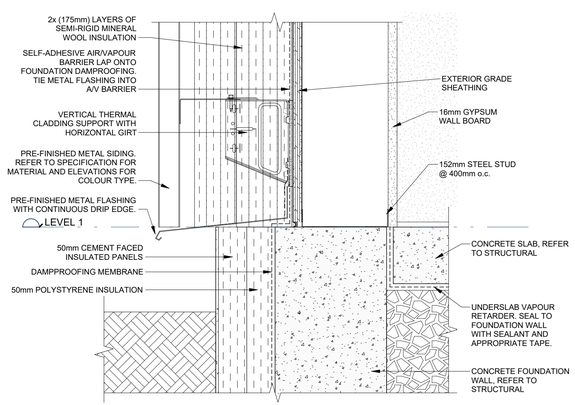
4 A601 TYP. OFFICE DOOR HEAD DETAIL
1 : 5



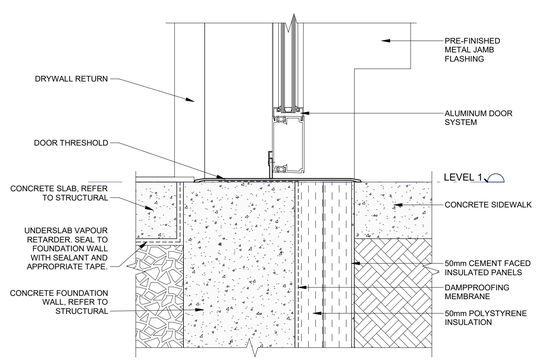
8 A601 TYP. MEZZ FIRE RATING TRANSITION
1 : 10



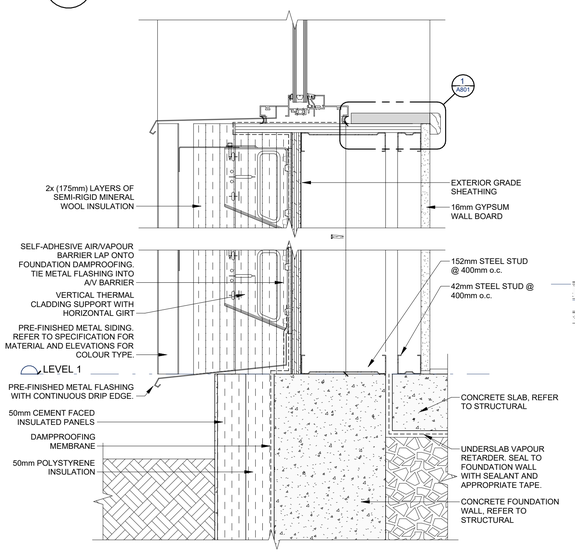
6 A601 TYP. OFFICE WINDOW HEAD DETAIL
1 : 5



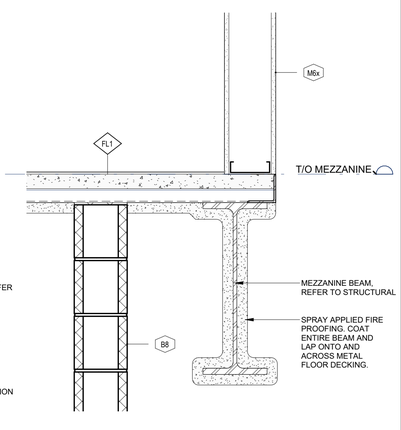
1 A601 TYP. OFFICE FOUNDATION TO WALL DETAIL
1 : 5



3 A601 TYP. OFFICE DOOR SILL DETAIL
1 : 5



5 A601 TYP. OFFICE WINDOW SILL DETAIL
1 : 5



7 A601 TYP. MEZZ. WALL DETAIL
1 : 10

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

NOT FOR CONSTRUCTION

ISSUANCE

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT AND TENDER

PROJECT NORTH | TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ARCHITECT.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECT.

PROJECT

TOWN OF SMITH FALLS

PUBLIC WORKS OPERATIONS CENTRE

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA # **26539**

CLIENT #

DRAWN BY **MB/IP**

CHECKED BY **CWS**

DATE **2026-06-29**

SCALE **As indicated**

SHEET NAME

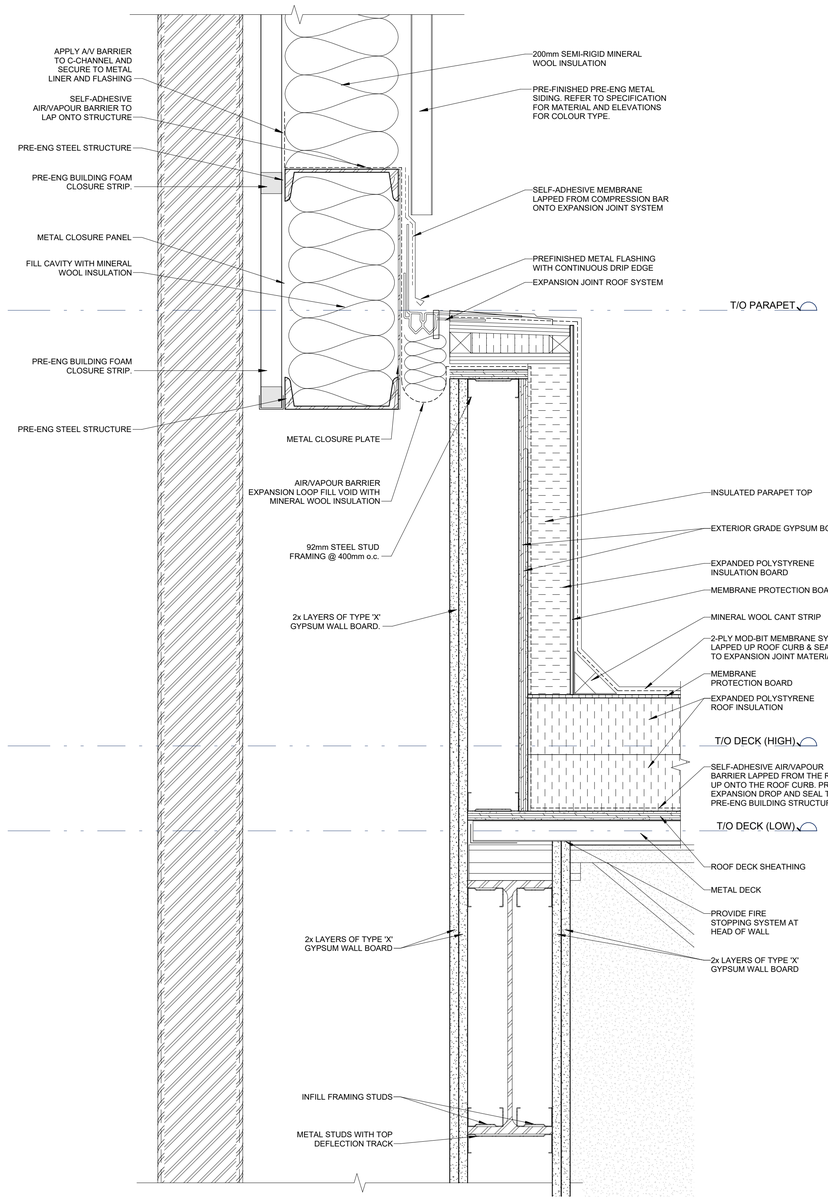
SECTION DETAILS

SHEET NO **A601**

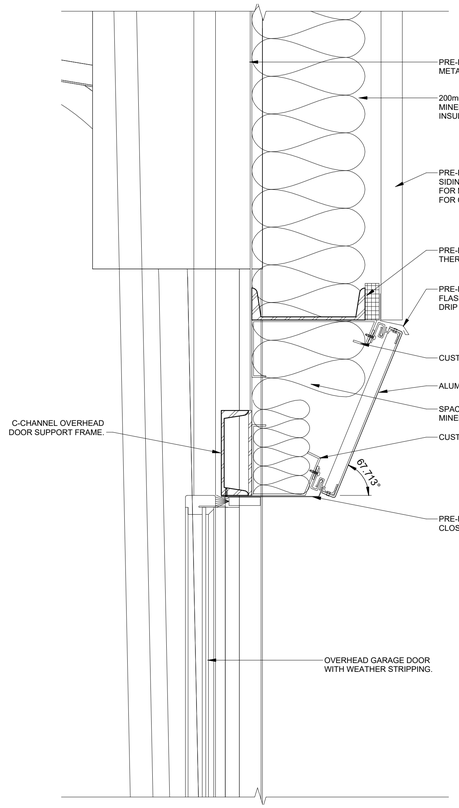
D (24"x36")

C:\Users\jpenagos\Documents\26539_Arch_Central_2024_jpenagos.rvt

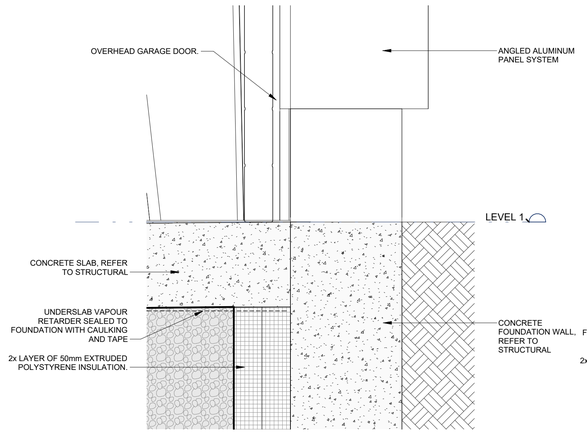
2026-07-09 4:03:23 PM



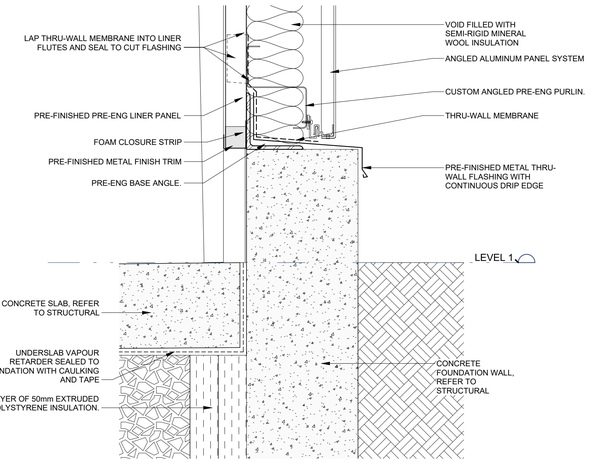
1 A602 TYP. PRE-ENG TO ROOF EXPANSION DETAIL
1 : 5



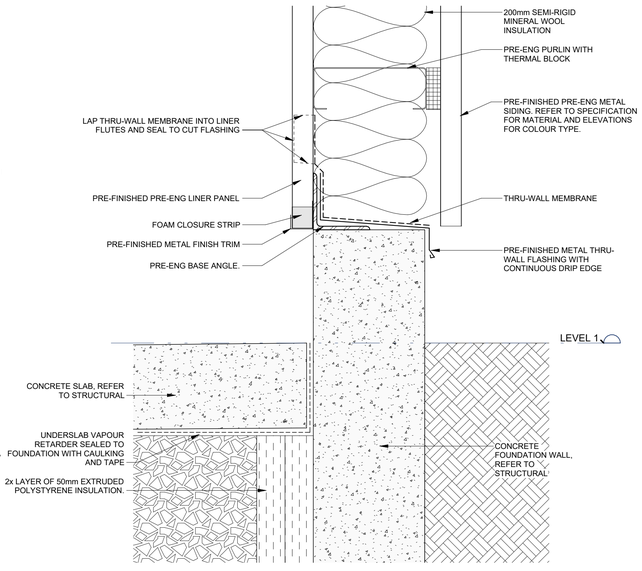
4 A602 TYP. OVERHEAD DOOR HEAD DETAIL
1 : 5



3 A602 TYP. OVERHEAD DOOR SILL DETAIL
1 : 5



5 A602 TYP. FOUNDATION DETAIL AT O/H DOOR DETAIL
1 : 5



2 A602 TYP. PRE-ENG BASE OF WALL DETAIL
1 : 5

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

NOT FOR CONSTRUCTION

ISSUANCE

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT AND TENDER

PROJECT NORTH TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ARCHITECT.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECT.

PROJECT

TOWN OF SMITH FALLS

PUBLIC WORKS OPERATIONS CENTRE

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA # **26539**
CLIENT #
DRAWN BY **MB/IP**
CHECKED BY **CWS**
DATE **2026-06-29**
SCALE **1 : 5**

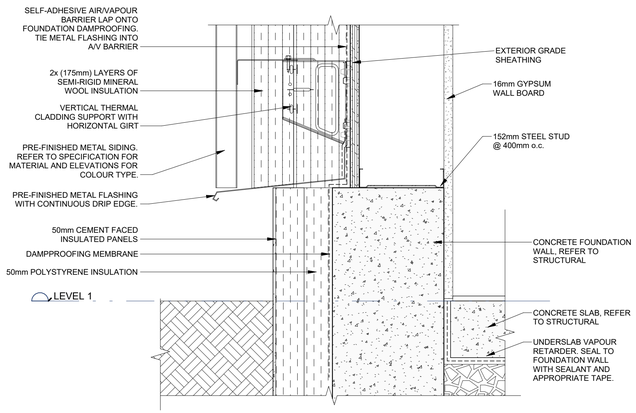
SHEET NAME

SECTION DETAILS

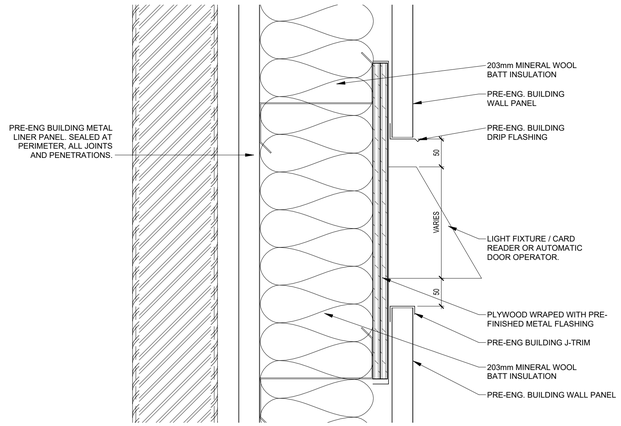
SHEET NO **A602**

D (24"x36")

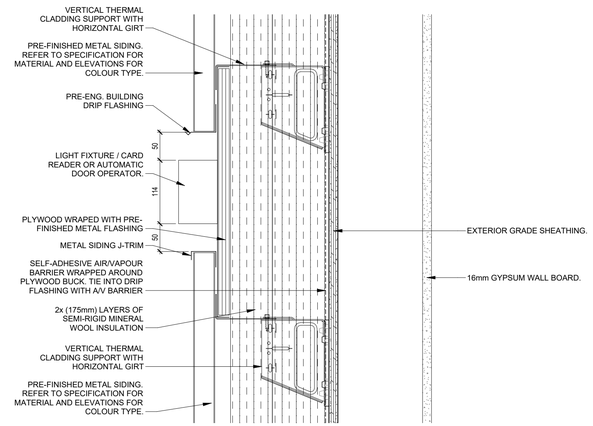
C:\Users\jenagos\Documents\26539_Arch_Central_2024_jenagos.rvt
2026-07-09 4:03:25 PM



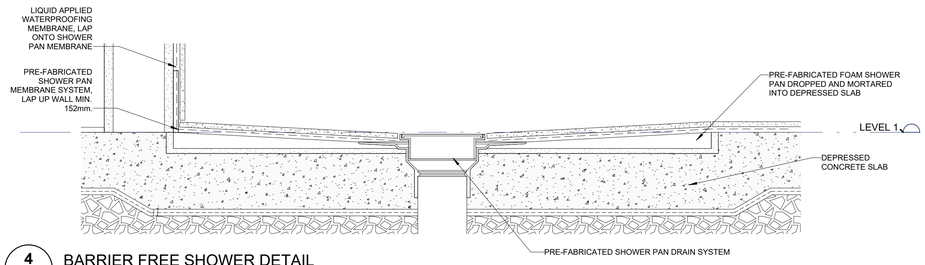
1 / A603 — BASE OF WALLL DETAIL BESIDE OFFICE DOORS
1 : 5



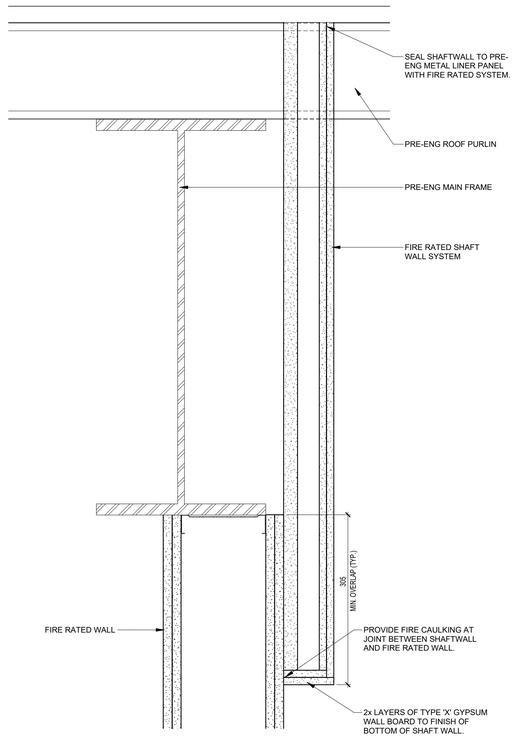
2 / A603 — TYP. DEVICE DETAIL @ PRE-ENG
1 : 5



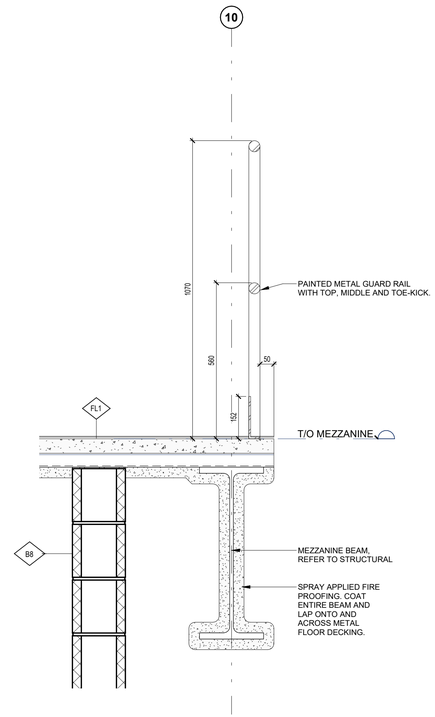
3 / A603 — TYP. DEVICE DETAIL @ OFFICE WALL
1 : 5



4 / A603 — BARRIER FREE SHOWER DETAIL
1 : 5



5 / A603 — TYP. FIRE RATED BULKHEAD @ PRE-ENG. STRUCTURE
1 : 5



6 / A603 — TYP. MEZZ RAILING.
1 : 10

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

NOT FOR CONSTRUCTION

ISSUANCE

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT AND TENDER

PROJECT NORTH | TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ARCHITECT.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECT.

PROJECT

TOWN OF SMITH FALLS

PUBLIC WORKS OPERATIONS CENTRE

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA # **26539**

CLIENT #

DRAWN BY **MB/IP**

CHECKED BY **CWS**

DATE **2026-06-29**

SCALE **As indicated**

SHEET NAME

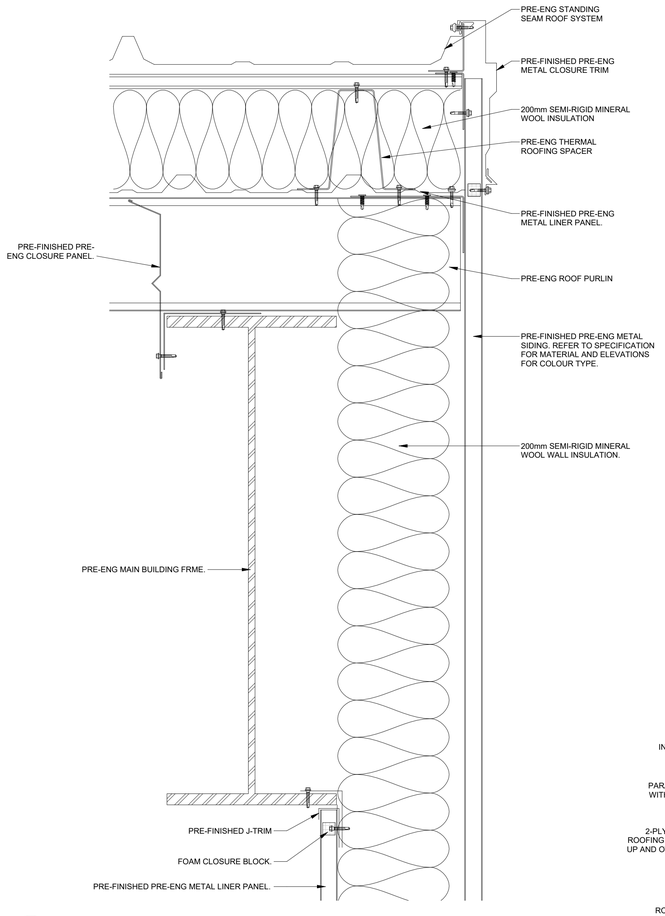
SECTION DETAILS

SHEET NO

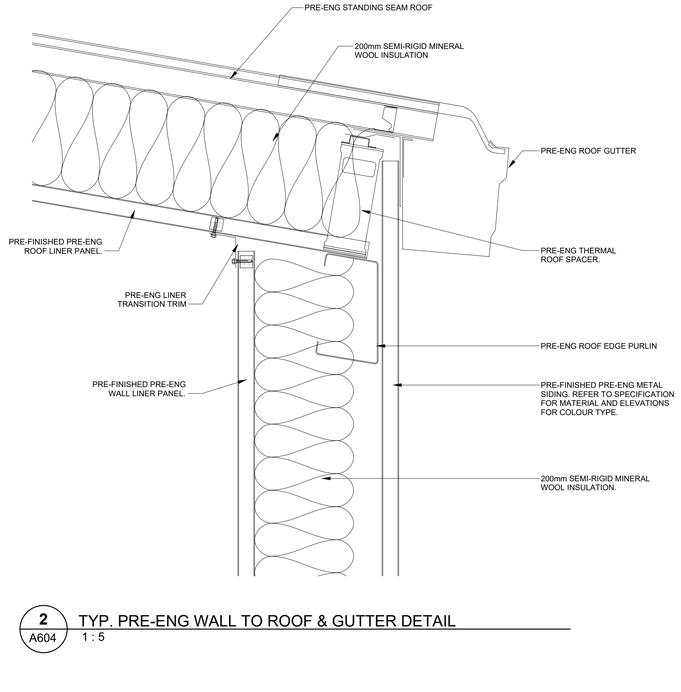
A603

D (24"x36")

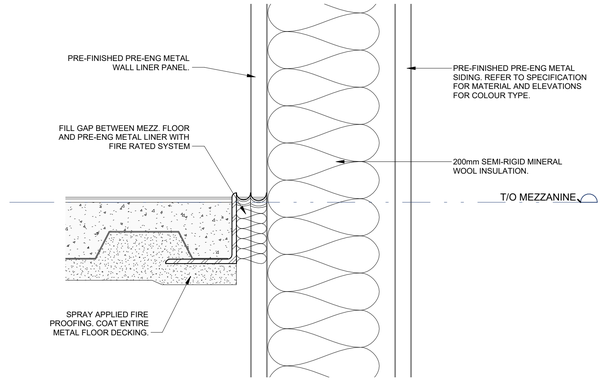
C:\Users\jpenagos\Documents\26539_Arch_Central_2024_jpenagos.rvt
2026-07-09 4:03:27 PM



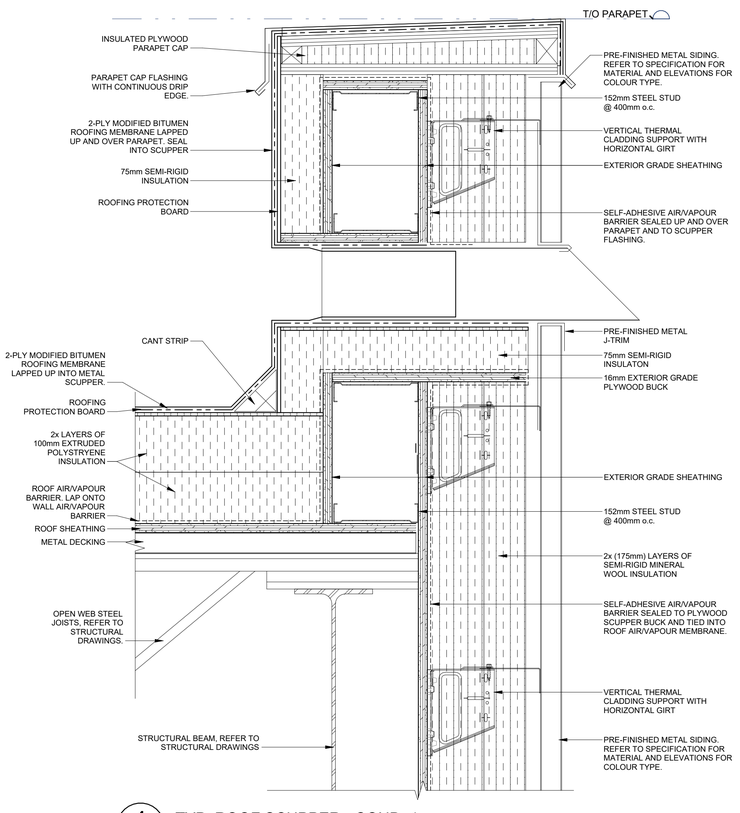
1 A604 TYP. PRE-ENG END WALL TO ROOF DETAIL
1 : 5



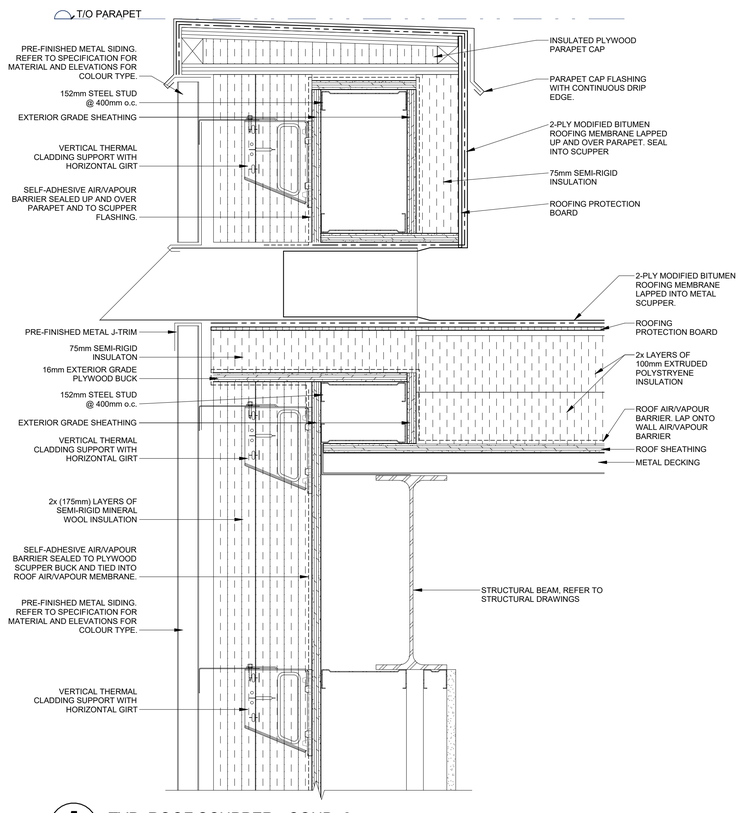
2 A604 TYP. PRE-ENG WALL TO ROOF & GUTTER DETAIL
1 : 5



3 A604 TYP. MEZZ TO PRE-ENG WALL DETAIL
1 : 5



4 A604 TYP. ROOF SCUPPER - COND. 1
1 : 5



5 A604 TYP. ROOF SCUPPER - COND. 2
1 : 5

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

NOT FOR CONSTRUCTION

ISSUANCE

NO	DATE	ISSUE
A	2026-06-29	ISSUED FOR PERMIT AND TENDER

PROJECT NORTH TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ARCHITECT.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECT.

PROJECT

TOWN OF SMITH FALLS

PUBLIC WORKS OPERATIONS CENTRE

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA # **26539**

CLIENT # **Checker**

DRAWN BY **Author**

CHECKED BY **Checker**

DATE **2026-06-29**

SCALE **1 : 5**

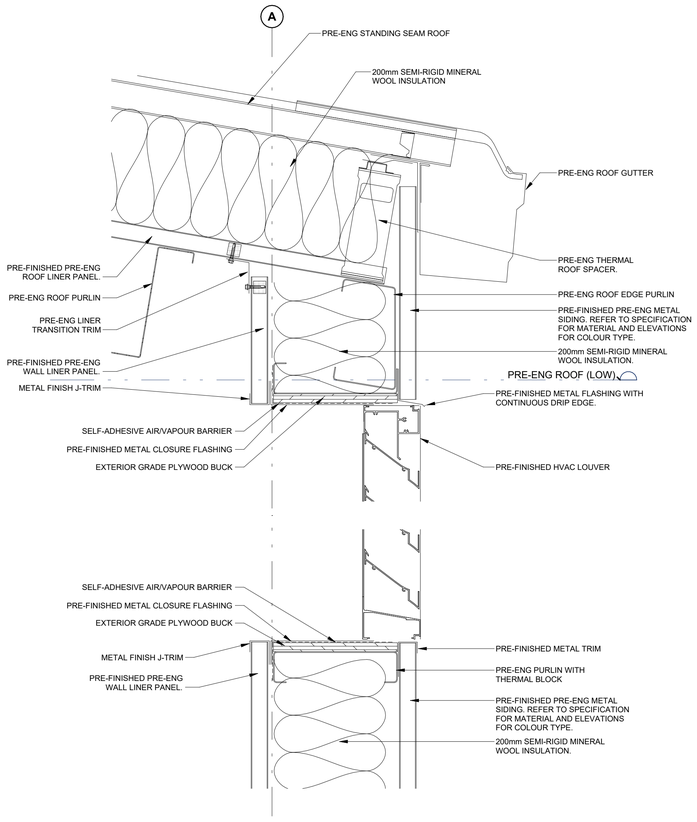
SHEET NAME

SECTION DETAILS

SHEET NO **A604**

D (24"x36")

C:\Users\jenagos\Documents\26539_Arch_Central_2024_jenagos.rvt
2026-07-09 4:03:29 PM



1 / A605 TYP. WALL SECTION @ LOUVER IN PRE-ENG

1 : 5

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

NOT FOR CONSTRUCTION

ISSUANCE

NO	DATE	ISSUE
A	2026-06-29	ISSUED FOR PERMIT AND TENDER

PROJECT NORTH

TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ARCHITECT.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECT.

PROJECT

TOWN OF SMITH FALLS

PUBLIC WORKS OPERATIONS CENTRE

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA # **26539**

CLIENT #

DRAWN BY **Author**

CHECKED BY **Checker**

DATE **2026-06-29**

SCALE **1 : 5**

SHEET NAME

SECTION DETAILS

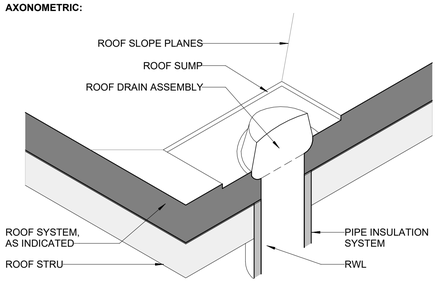
SHEET NO

A605

D (24"x36")

C:\Users\jpenagos\Documents\26539_Arch_Central_2024_jpenagos.rvt
2026-07-09 4:03:29 PM

AXONOMETRIC:

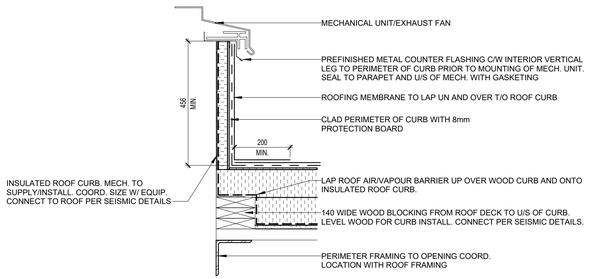


1. PROVIDE ROOF SUMP AT ALL ROOF DRAINS, UNO.

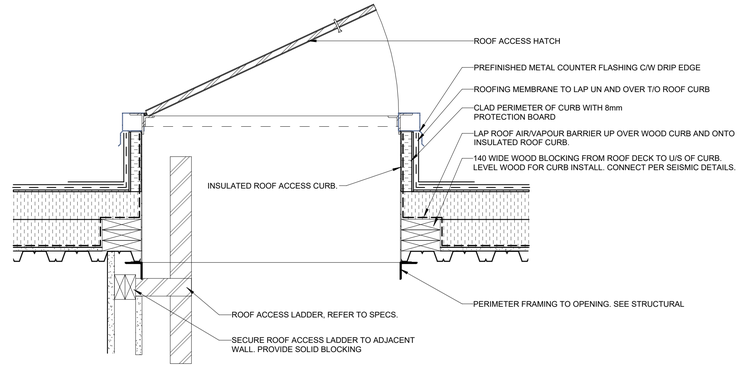
2. PROVIDE MIN. 600 x 600 x 25 (24" x 24" x 1") SUMP, UNO OR TO SUIT ROOF MANUFACTURER'S RECOMEMNDATIONS CONFORMING TO WARRANTY, WHICHEVER IS LARGER. CONFIRM PROPOSED SUMP LOCATIONS AND SIZE ON PROPOSED SUBMITTAL.

3. PROVIDE INSULATED RAINWATER LEADER (RWL) FOR FIRST 3m (10'), UNO. SEE MECH DOCUMENTS FOR DETAILED INFORMATION.

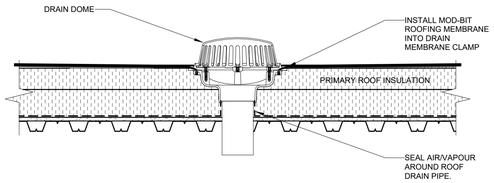
1 A621 DETAIL AXO - TYP. ROOF DRAIN SUMP (ALL LOCATIONS)
1 : 10



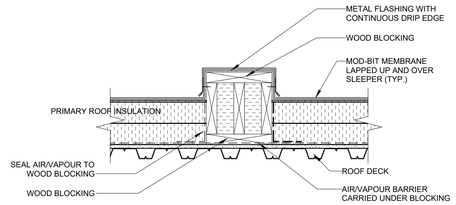
2 A621 TYP. MECH UNIT WITH CURB
1 : 10



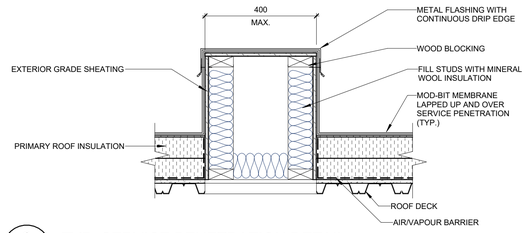
3 A621 TYP. ROOF ACCESS HATCH DETAIL
1 : 10



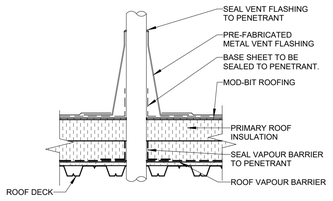
4 A621 TYP. ROOF DRAIN SECTION
1 : 10



5 A621 TYP. ROOF SLEEPER DETAIL
1 : 10



6 A621 TYP. SERVICE PENETRATION DETAIL
1 : 10



7 A621 TYP. STACK FLASHING DETAIL
1 : 10

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

NOT FOR CONSTRUCTION

ISSUANCE

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT AND TENDER

PROJECT NORTH | TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ARCHITECT.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECT.

PROJECT

TOWN OF SMITH FALLS

PUBLIC WORKS OPERATIONS CENTRE

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA # **26539**

CLIENT #

DRAWN BY **MB/IP**

CHECKED BY **CWS**

DATE **2026-06-29**

SCALE **1 : 10**

SHEET NAME

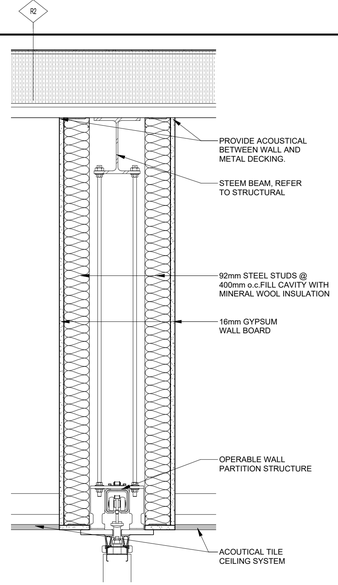
TYP. ROOF DETAILS

SHEET NO

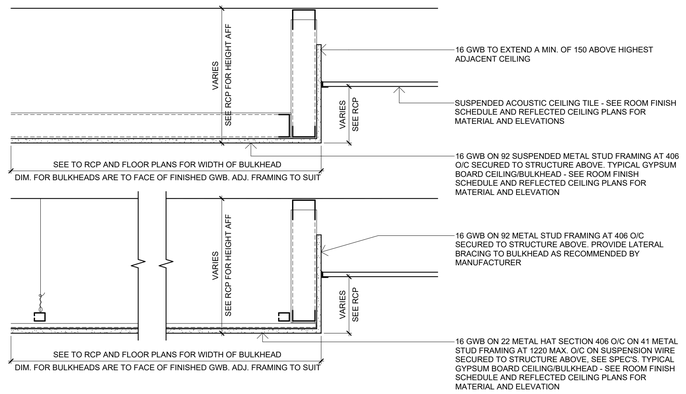
A621

D (24"x36")

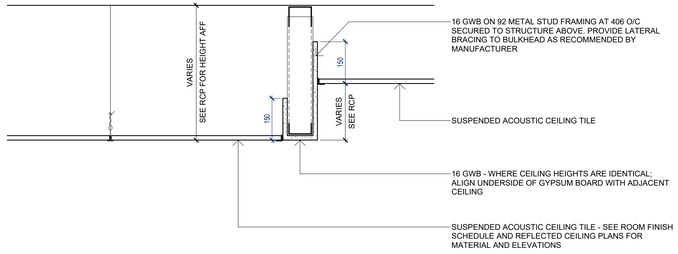
C:\Users\ipenagos\Documents\26539_Arch_Central_2024_ipenagos.rvt
2026-07-09 4:03:31 PM



1 A622 TYP. OPERABLE WALL HEAD DETAL
1 : 10



2 A622 TYP. BULKHEAD SECTION
1 : 10



3 A622 TYP. TRANSITION BULKHEAD
1 : 10

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

NOT FOR CONSTRUCTION

ISSUANCE

NO	DATE	ISSUE
A	2026-06-29	ISSUED FOR PERMIT AND TENDER

PROJECT NORTH | TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ARCHITECT.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECT.

PROJECT

TOWN OF SMITH FALLS

PUBLIC WORKS OPERATIONS CENTRE

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA # **26539**

CLIENT #

DRAWN BY **Author**

CHECKED BY **Checker**

DATE **2026-06-29**

SCALE **1 : 10**

SHEET NAME

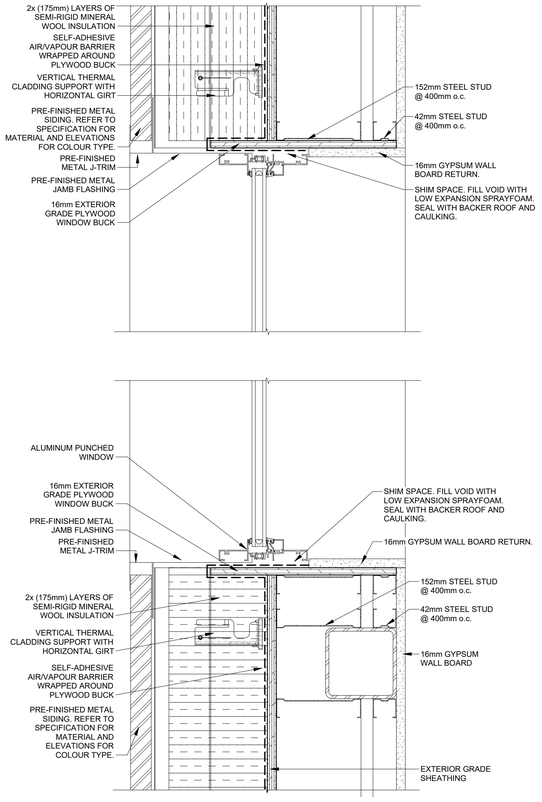
TYP. CEILING DETAILS

SHEET NO

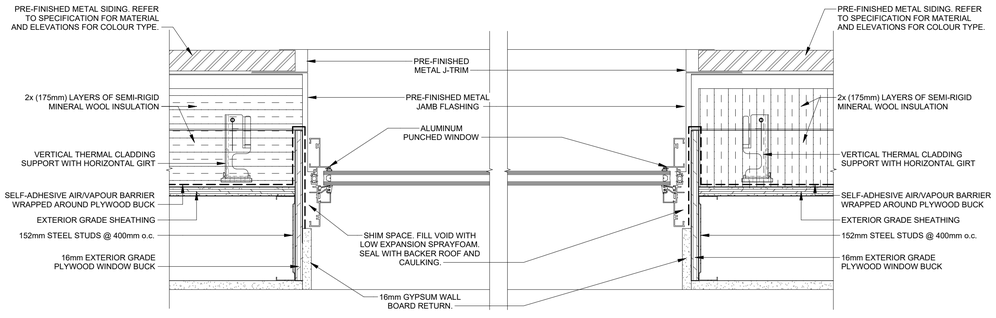
A622

D (24"x36")

C:\Users\jlenagor\Documents\26539_Arch_Central_2024_jlenagor.rvt
2026-07-09 4:03:32 PM



3 A651 TYP. EXT. WINDOW JAMB DETAIL @ DBL WALL.
1 : 5



5 A651 TYP. EXT. WINDOW JAM DETAIL
1 : 5

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

NOT FOR CONSTRUCTION

ISSUANCE

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT AND TENDER

PROJECT NORTH | TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ARCHITECT.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECT.

PROJECT

TOWN OF SMITH FALLS

PUBLIC WORKS OPERATIONS CENTRE

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA # **26539**
CLIENT #
DRAWN BY **MB/IP**
CHECKED BY **CWS**
DATE **2026-06-29**
SCALE **1 : 5**

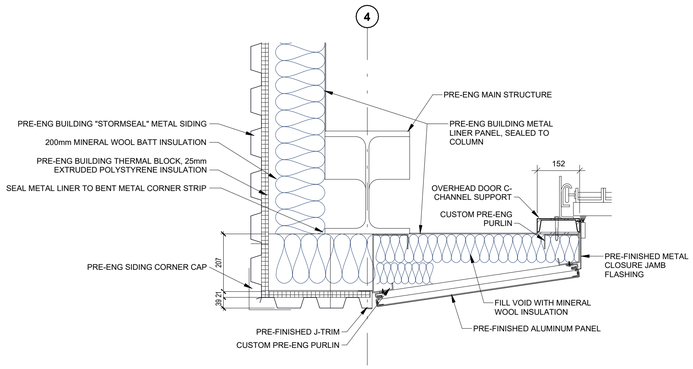
SHEET NAME

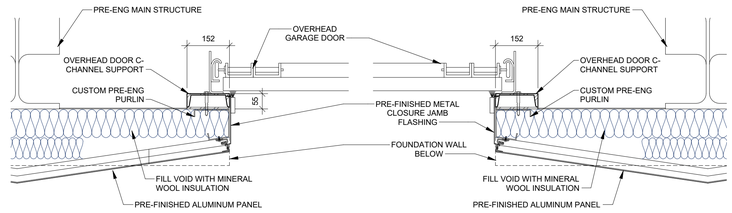
PLAN DETAILS - OFFICE SIDE

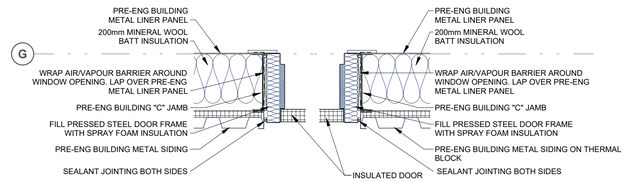
SHEET NO **A651**

D (24"x36")

C:\Users\jenagos\Documents\26539_Arch_Central_2024_jenagos.rvt
2026-07-09 4:03:33 PM



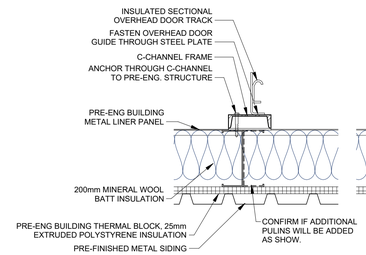


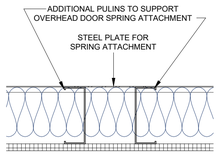


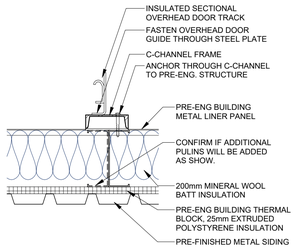
1 A652 TYP. PRE-ENG BLDG OUTSIDE CORNER
1 : 10

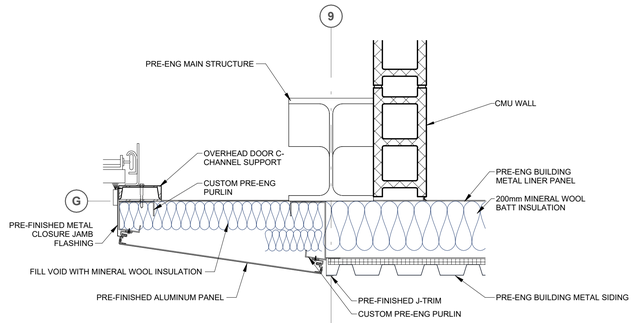
2 A652 TYP. OVERHEAD DOOR JAMB DETAIL
1 : 10

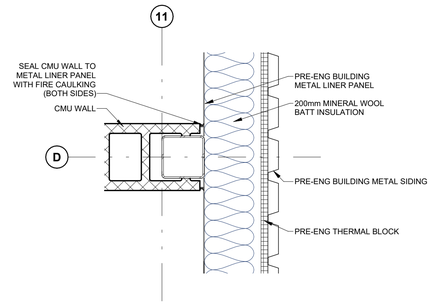
3 A652 TYP. HOLLOW METAL MAN DOOR JAMB DETAIL
1 : 10











4 A652 TYP. OVERHEAD DOOR JAMB DETAIL (ABOVE DOOR)
1 : 10

5 A652 TYP. RATED WALL TO PRE-ENG
1 : 10

6 A652 TYP. RATED WALL TO PRE-ENG
1 : 10

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

NOT FOR CONSTRUCTION

ISSUANCE

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT AND TENDER

PROJECT NORTH | TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ARCHITECT.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECT.

PROJECT

TOWN OF SMITH FALLS

PUBLIC WORKS OPERATIONS CENTRE

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA #	CLIENT #
26539	
DRAWN BY	CHECKED BY
MB/IP	**CWS**
DATE	SCALE
2026-06-29	**1 : 10**

SHEET NAME

PLAN DETAILS - OPS SIDE

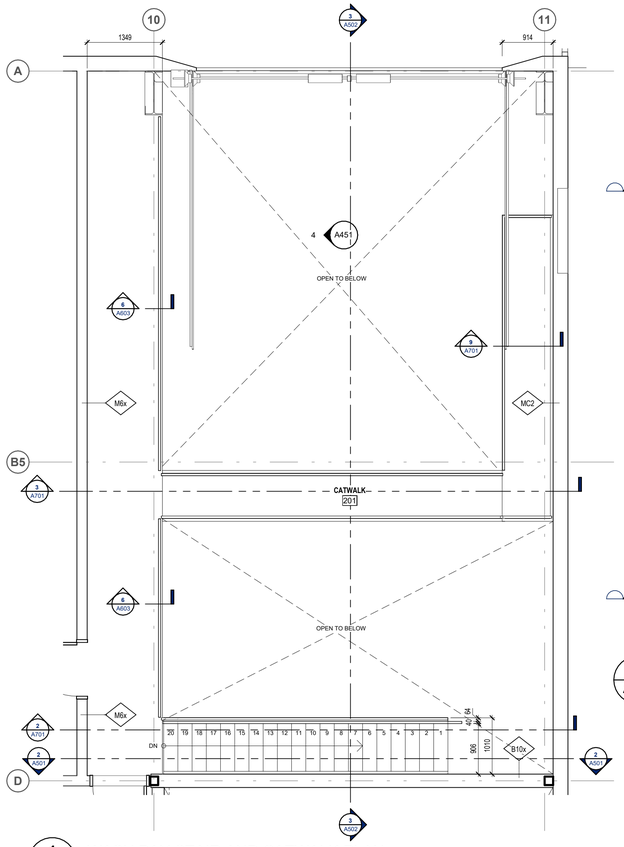
SHEET NO

A652

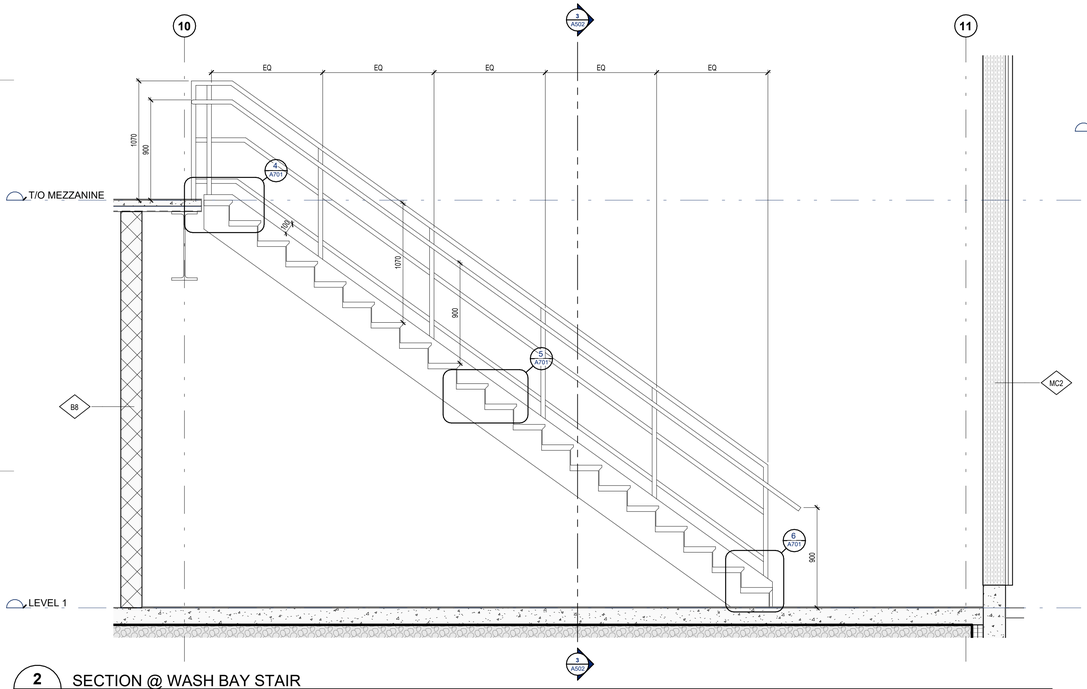
D (24"x36")

C:\Users\jpenagos\Documents\26539_Arch_Central_2024_jpenagos.rvt

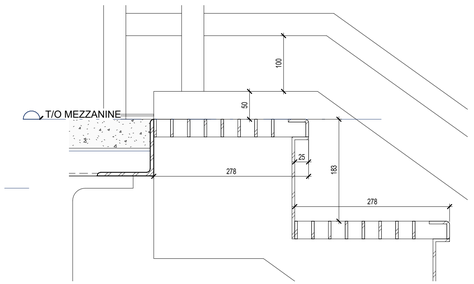
2026-07-09 4:03:35 PM



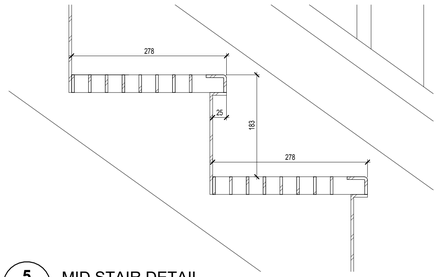
1 A701 WASH BAY STAIR AND CATWALK PLAN
1 : 50



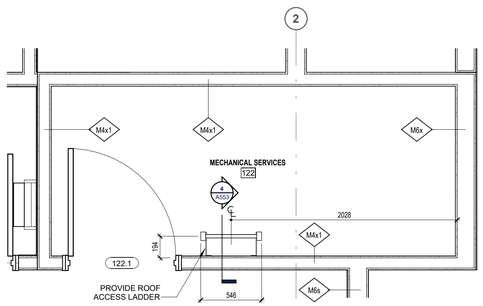
2 A701 SECTION @ WASH BAY STAIR
1 : 25



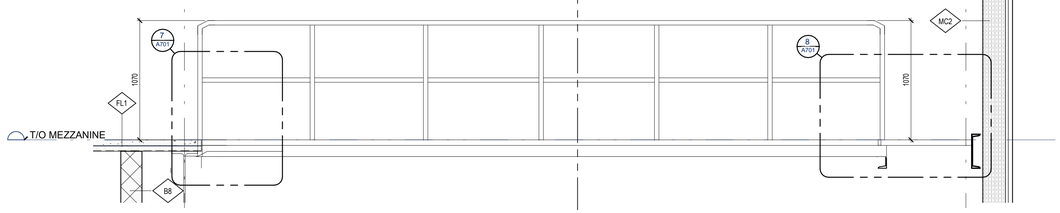
4 A701 TOP OF STAIR DETAIL
1 : 5



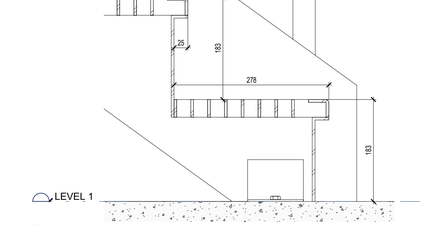
5 A701 MID STAIR DETAIL
1 : 5



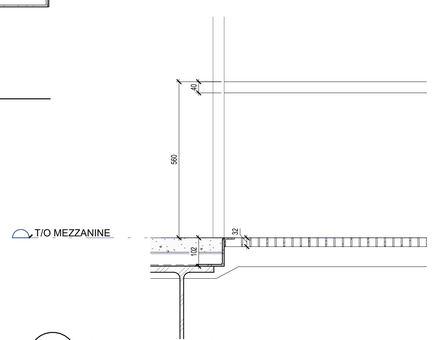
10 A701 MECHANICAL SERVICES 122 - PLAN
1 : 25



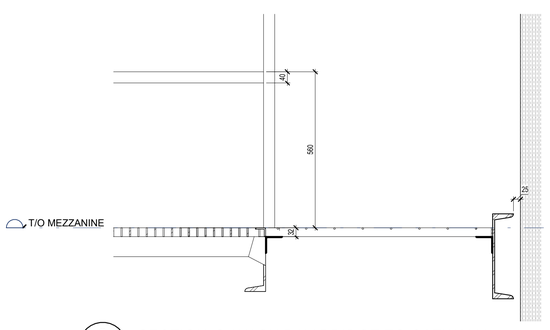
3 A701 SECTION @ WASH BAY BRIDGE
1 : 25



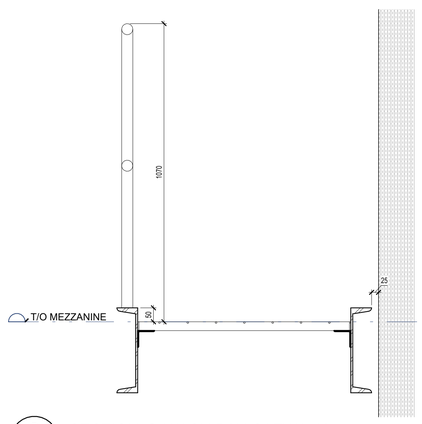
6 A701 BASE OF STAIR DETAIL
1 : 5



7 A701 SECTION @ WASHBAY BRIDGE BASE
1 : 10



8 A701 SECTION @ WASH BAY BRIDGE TO CATWALK
1 : 10



9 A701 SECTION @ WASH BAY CATWALK
1 : 10

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

NOT FOR CONSTRUCTION

ISSUANCE

NO	DATE	ISSUE
A	2026-06-29	ISSUED FOR PERMIT AND TENDER

PROJECT NORTH TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ARCHITECT.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECT.

PROJECT
TOWN OF SMITH FALLS
PUBLIC WORKS OPERATIONS CENTRE
11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

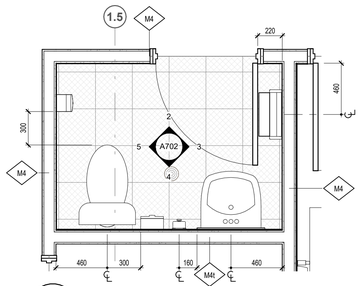
IDEA # **26539**
CLIENT #
DRAWN BY **Author**
CHECKED BY **Checker**
DATE **2026-06-29**
SCALE **As indicated**

SHEET NAME
STAIR, CATWALK, AND LADDER - PLANS, ELEVATIONS & DETAILS

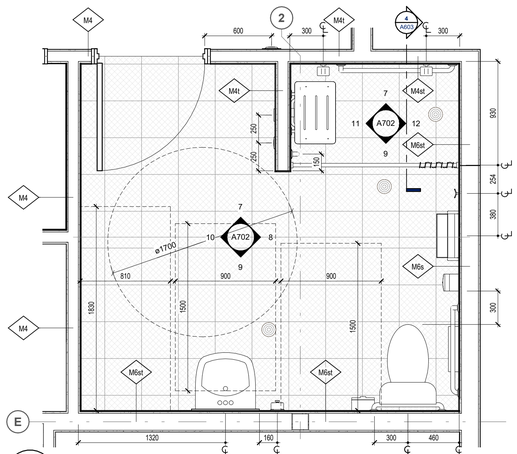
SHEET NO
A701

D (24"x36")

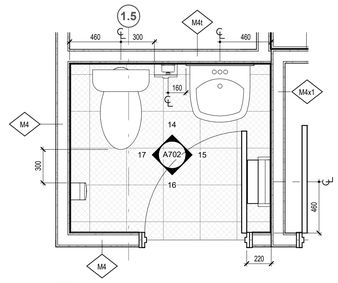
C:\Users\jpenagos\Documents\26539_Arch_Central_2024_jpenagos.rvt
2026-07-09 4:03:37 PM



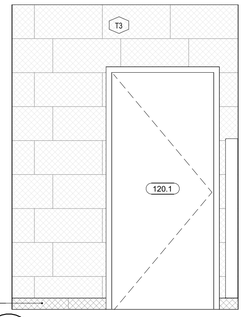
1 A702 WASHROOM 120 - PLAN
1 : 25



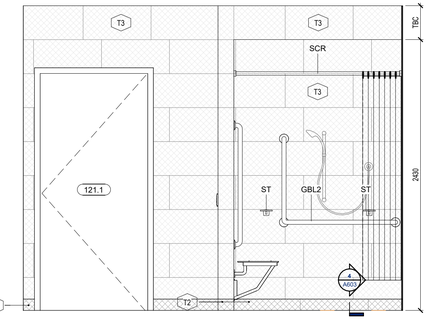
6 A702 UNIVERSAL WASHROOM / SHOWER 121 - PLAN
1 : 25



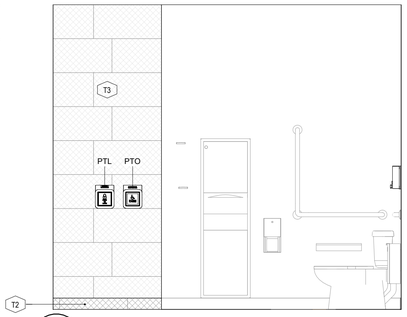
13 A702 WASHROOM 123 - PLAN
1 : 25



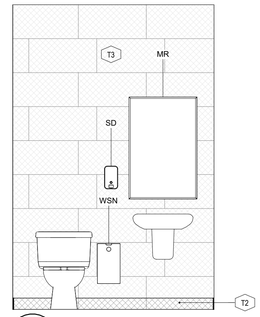
2 A702 120 - NORTH ELEV.
1 : 25



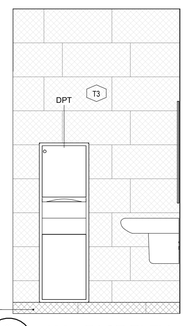
7 A702 121 - NORTH ELEVATION
1 : 25



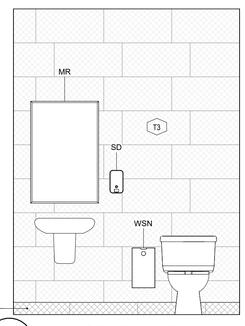
8 A702 121 - EAST ELEV.
1 : 25



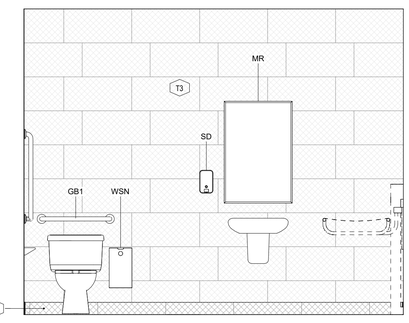
14 A702 123 - NORTH ELEV.
1 : 25



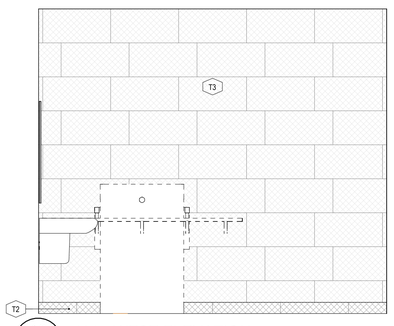
3 A702 120 - EAST ELEV.
1 : 25



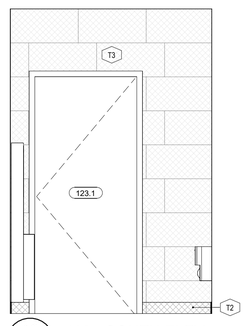
4 A702 120 - SOUTH ELEV.
1 : 25



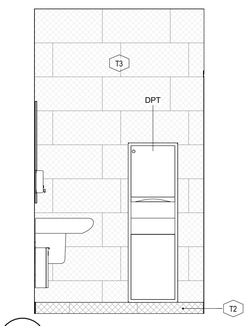
9 A702 UNIVERSAL WR / SHOWER 121 - SOUTH ELEV.
1 : 25



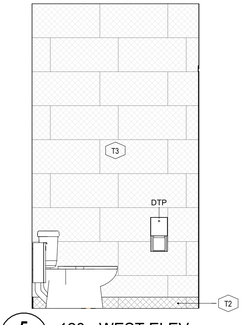
10 A702 121 - WEST ELEVATION
1 : 25



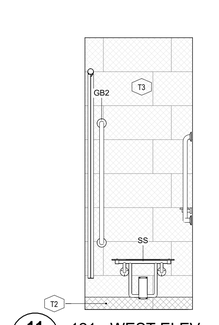
16 A702 123 - SOUTH ELEV.
1 : 25



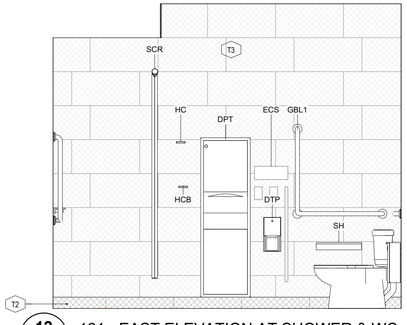
15 A702 123 - EAST ELEV.
1 : 25



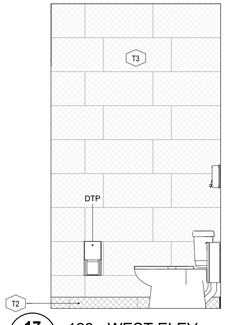
5 A702 120 - WEST ELEV.
1 : 25



11 A702 121 - WEST ELEV.
1 : 25



12 A702 121 - EAST ELEVATION AT SHOWER & WC
1 : 25



17 A702 123 - WEST ELEV.
1 : 25

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

NOT FOR CONSTRUCTION

ISSUANCE

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT AND TENDER

PROJECT NORTH | TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ARCHITECT.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECT.

PROJECT

TOWN OF SMITH FALLS

PUBLIC WORKS OPERATIONS CENTRE

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA # **26539**

CLIENT #

DRAWN BY **MB/IP**

CHECKED BY **CWS**

DATE **2026-06-29**

SCALE **1 : 25**

SHEET NAME

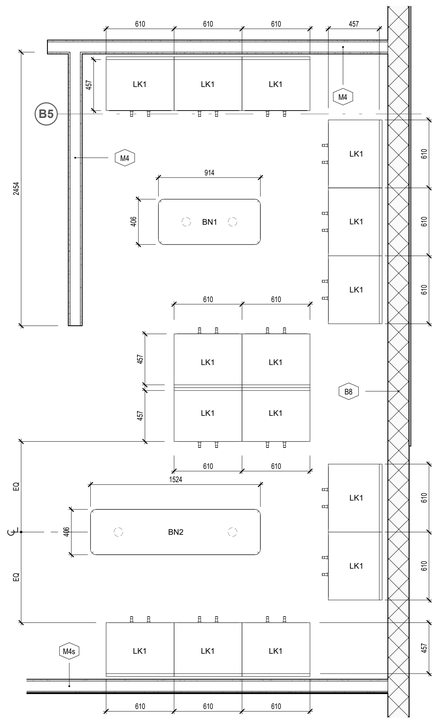
OFFICE SIDE ENLARGED PLANS & ELEVATIONS

SHEET NO **A702**

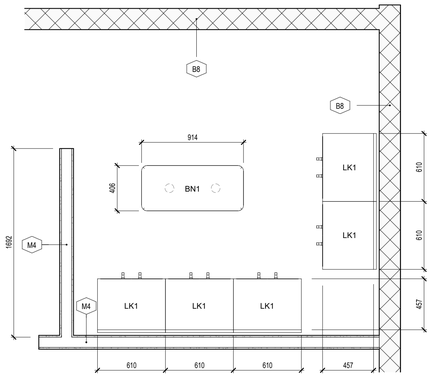
D (24"x36")

C:\Users\jpenagos\Documents\26539_Arch_Central_2024_jpenagos.rvt

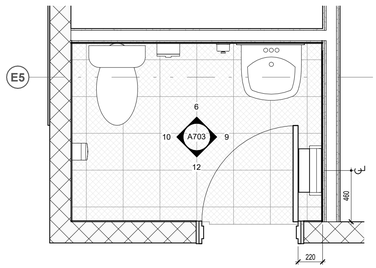
2026-07-09 4:03:42 PM



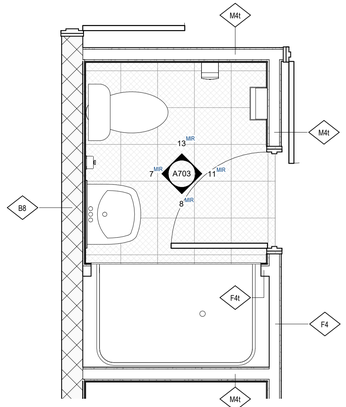
1 / A703 MALE CHANGE ROOM 135 - PLAN
1 : 25



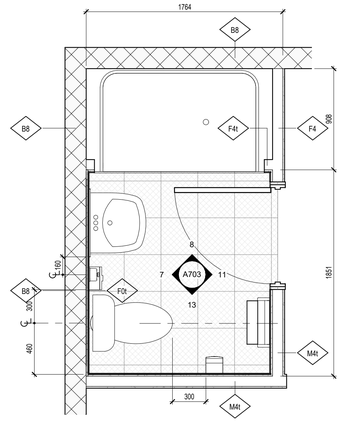
2 / A703 FEMALE CHANGE ROOM 130 - PLAN
1 : 25



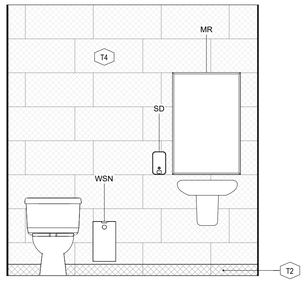
3 / A703 WC/SHOWER 138 - PLAN
1 : 25



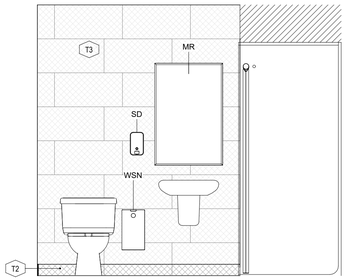
4 / A703 WC/SHOWER 133 & 134 - PLAN
1 : 25



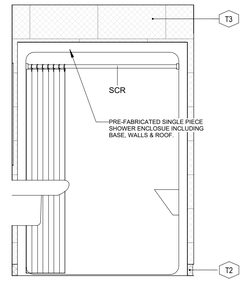
5 / A703 WC/SHOWER 129 - PLAN
1 : 25



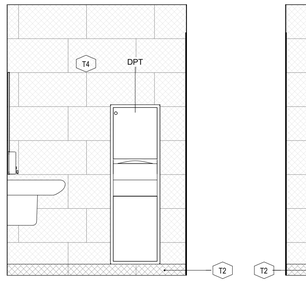
6 / A703 138 - NORTH ELEVATION
1 : 25



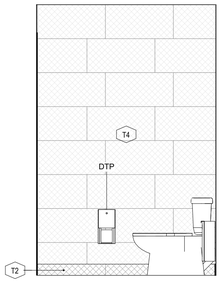
7 / A703 TYP. WR/SHOWER - WEST ELEV.
1 : 25



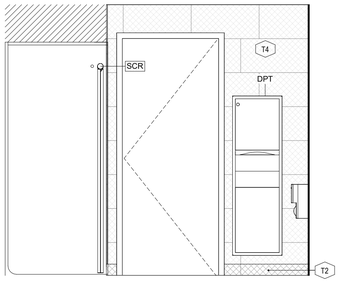
8 / A703 TYP. WR/SHOWER - NORTH ELEV.
1 : 25



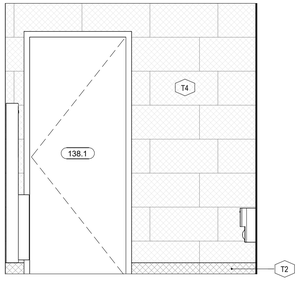
9 / A703 138 - EAST ELEV.
1 : 25



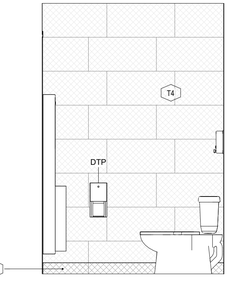
10 / A703 138 - WEST ELEV.
1 : 25



11 / A703 TYP. WR/SHOWER - EAST ELEV.
1 : 25



12 / A703 138 - SOUTH ELEV.
1 : 25



13 / A703 TYP. WR/SHOWER - SOUTH ELEV.
1 : 25

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

NOT FOR CONSTRUCTION

ISSUANCE

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT AND TENDER

PROJECT NORTH | TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ARCHITECT.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECT.

PROJECT

TOWN OF SMITH FALLS

PUBLIC WORKS OPERATIONS CENTRE

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA # **26539**
CLIENT #

DRAWN BY **MB/IP**
CHECKED BY **CWS**

DATE **2026-06-29**
SCALE **1 : 25**

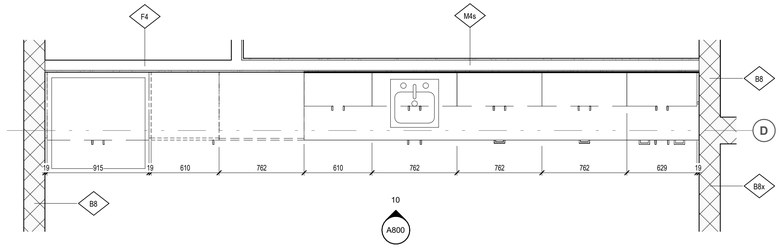
SHEET NAME

OPS ENLARGED PLANS & ELEVATIONS

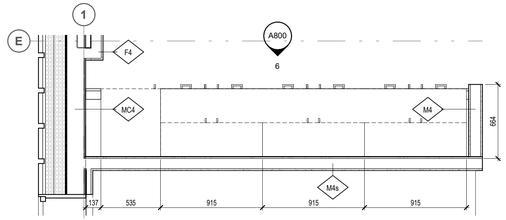
SHEET NO **A703**

D (24"x36")

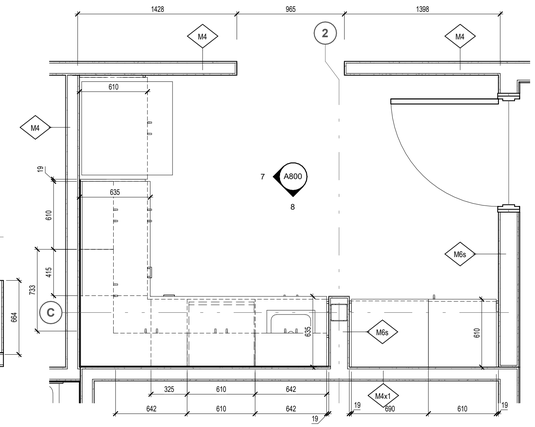
2026-07-09 4:03:45 PM C:\Users\ipenagos\Documents\26539_Arch_Central_2024_ipenagos.rvt



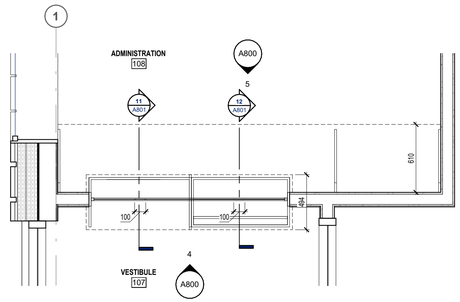
9 A800 — 136 LUNCHROOM - PLAN
1 : 25



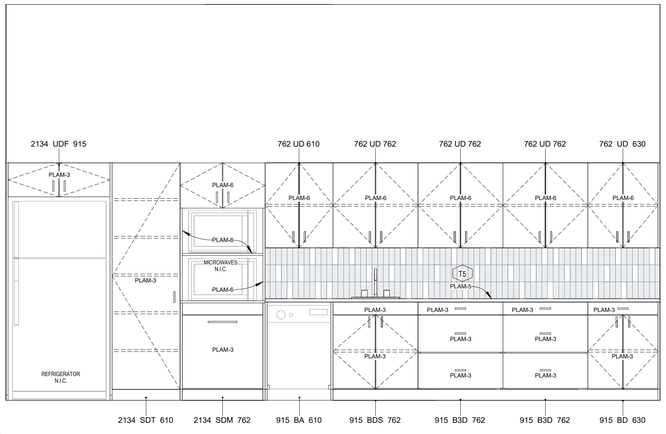
3 A800 — 106 COPY AND EQUIPMENT ROOM
1 : 25



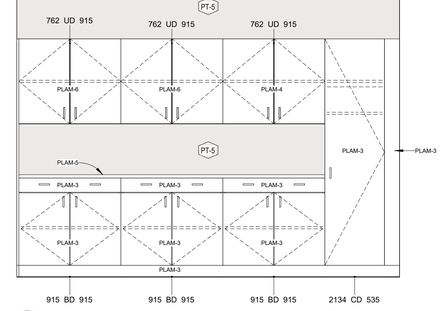
2 A800 — 125 OFFICE KITCHEN
1 : 25



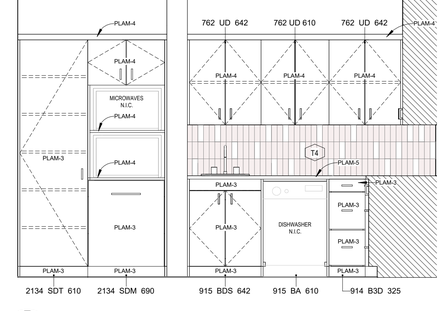
1 A800 — 107-108 COUNTER
1 : 25



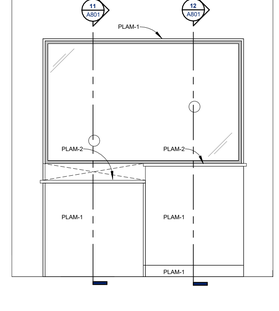
10 A800 — OPS LUNCHROOM KITCHENETTE ELEVATION
1 : 25



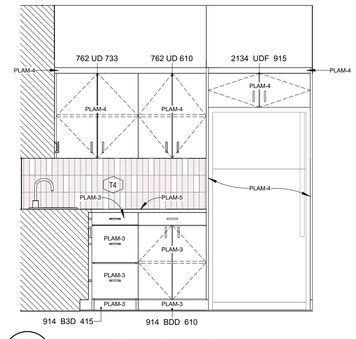
6 A800 — 106 SOUTH ELEVATION
1 : 25



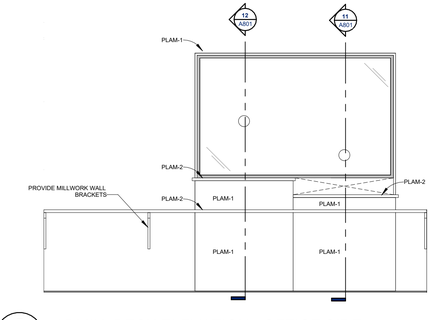
8 A800 — 125 SOUTH ELEVATION
1 : 25



4 A800 — ADMIN. DESK ELEVATION
1 : 25



7 A800 — 125 WEST ELEVATION
1 : 25



5 A800 — ADMIN. DESK ELEVATION - OFFICE SIDE
1 : 25

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integratedidesign.ca

SEAL

NOT FOR CONSTRUCTION

ISSUANCE

NO	DATE	ISSUE
A	2026-06-29	ISSUED FOR PERMIT AND TENDER

PROJECT NORTH | TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ARCHITECT.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECT.

PROJECT

TOWN OF SMITH FALLS

PUBLIC WORKS OPERATIONS CENTRE

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA # **26539**

CLIENT #

DRAWN BY **MB/IP**

CHECKED BY **CWS**

DATE **2026-06-29**

SCALE **1 : 25**

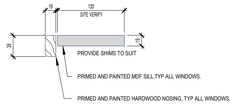
SHEET NAME

CASEWORK - ENLARGED PLANS AND ELEVATIONS

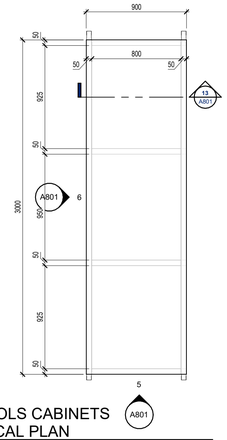
SHEET NO **A800**

D (24"x36")

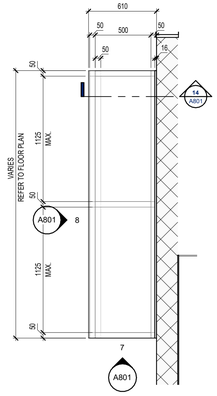
C:\Users\jenmagos\Documents\26539_Arch_Central_2024_jenmagos.rvt
2026-07-09 4:03:48 PM



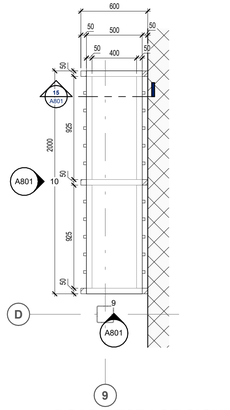
1 A801 WINDOW SILL TYP. SECTION DETAIL
1 : 5



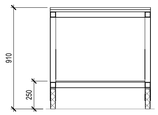
2 A801 MOBILE TOOLS CABINETS (MTC) TYPICAL PLAN
1 : 25



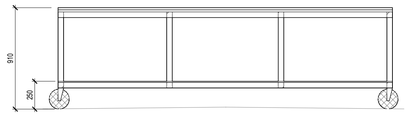
3 A801 TOOLS CABINETS (TC) TYPICAL PLAN
1 : 25



4 A801 ROAD STORAGE SIGN (RSS) PLAN
1 : 25



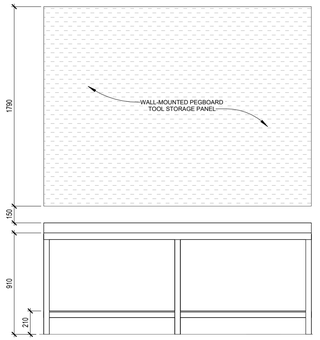
5 A801 MTC SIDE ELEV.
1 : 25



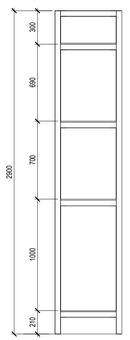
6 A801 MOBILE TOOLS CABINETS FRONT ELEVATION
1 : 25



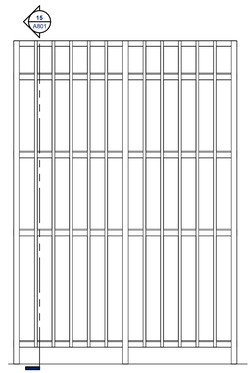
7 A801 TC SIDE ELEV.
1 : 25



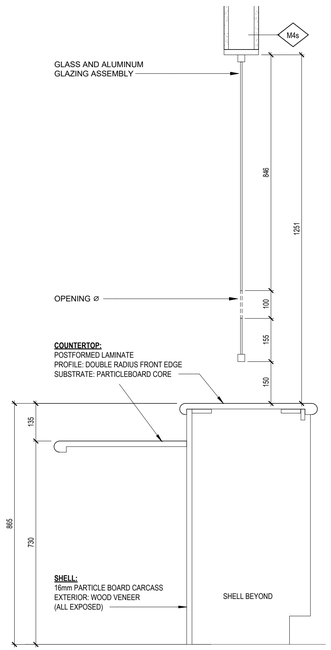
8 A801 TOOLS CABINETS FRONT ELEVATION
1 : 25



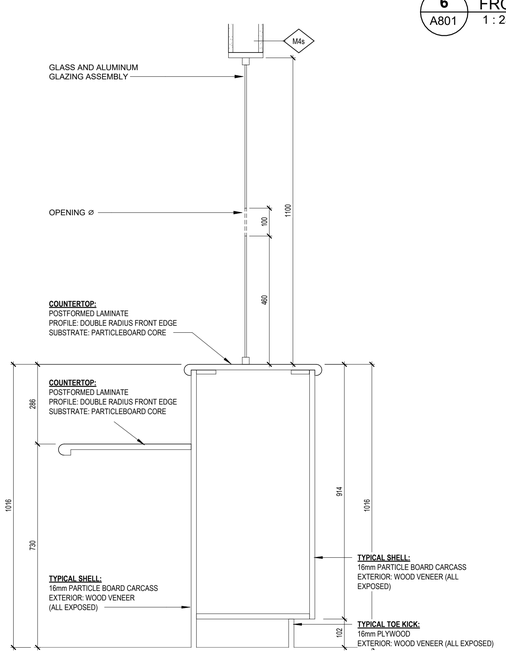
9 A801 RSS SIDE ELEV.
1 : 25



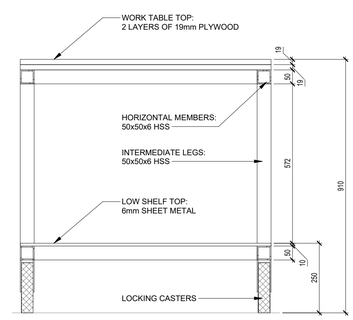
10 A801 ROAD STORAGE SIGN FRONT ELEVATION
1 : 25



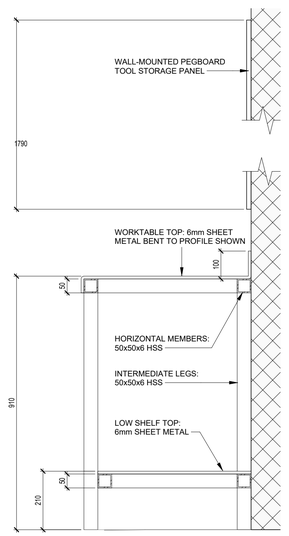
11 A801 ADMIN. DESK ACCESSIBLE LEVEL
1 : 10



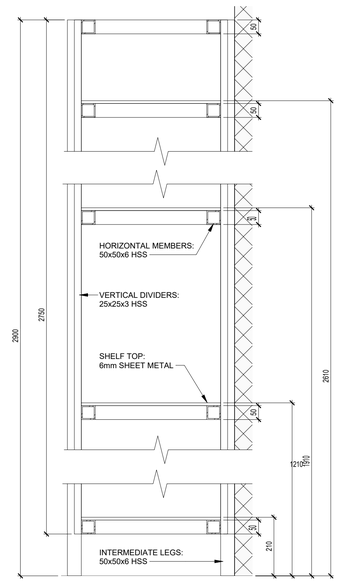
12 A801 ADMIN. DESK STANDARD LEVEL
1 : 10



13 A801 MOBILE TOOLS CABINETS SECTION
1 : 10



14 A801 TOOLS CABINETS SECTION
1 : 10



15 A801 ROAD STORAGE SIGN SECTION
1 : 10

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

NOT FOR CONSTRUCTION

ISSUANCE

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT AND TENDER

PROJECT NORTH | TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ARCHITECT.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECT.

PROJECT

TOWN OF SMITH FALLS

PUBLIC WORKS OPERATIONS CENTRE

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA # **26539**
CLIENT #

DRAWN BY **MB/IP**
CHECKED BY **CWS**

DATE **2026-06-29**
SCALE **As indicated**

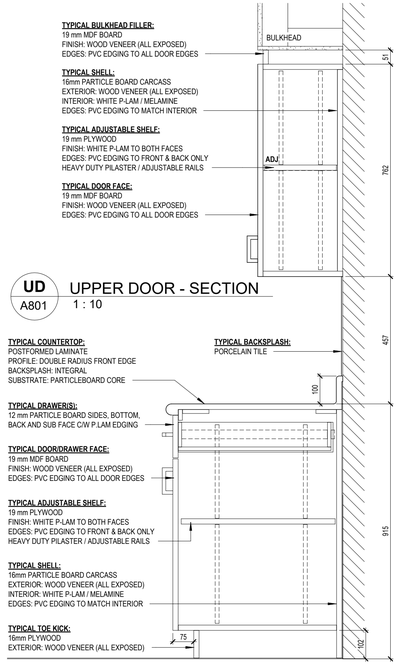
SHEET NAME

CASEWORK - ENLARGED PLANS, ELEVATIONS AND SECTIONS

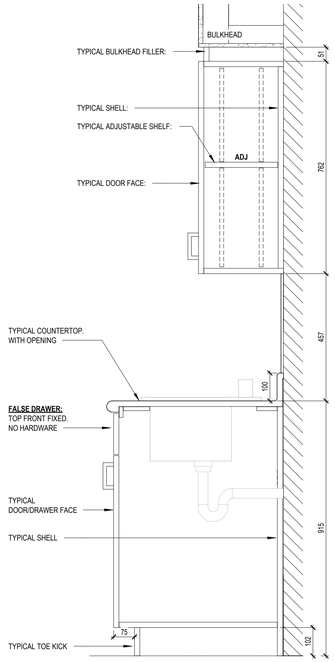
SHEET NO **A801**

D (24"x36")

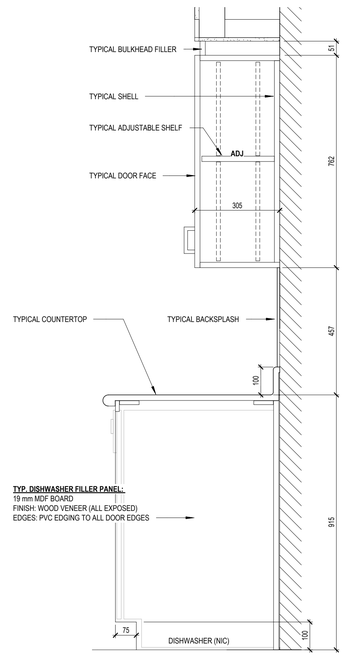
C:\Users\jenagos\Documents\26539_Arch_Central_2024_jenagos.rvt
2026-07-09 4:03:51 PM



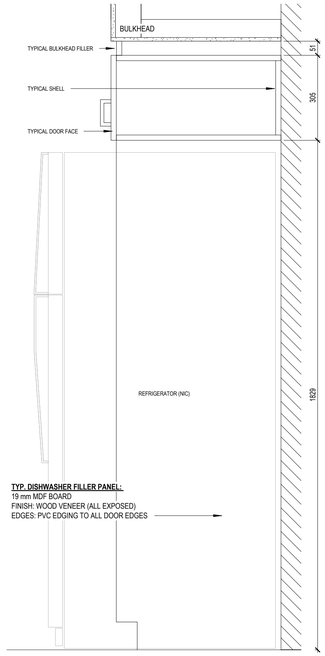
UD A801 — UPPER DOOR - SECTION
1 : 10



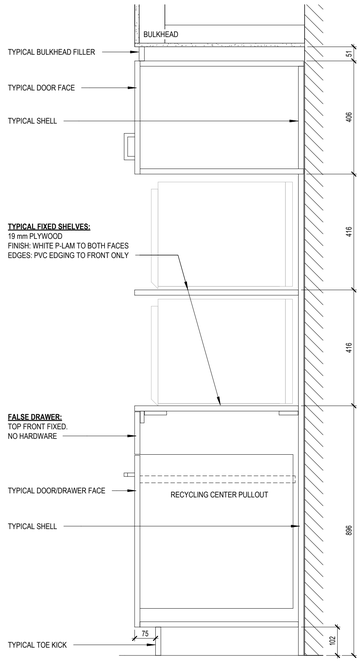
BDS A802. — BASE DOOR AT SINK - SECTION
1 : 10



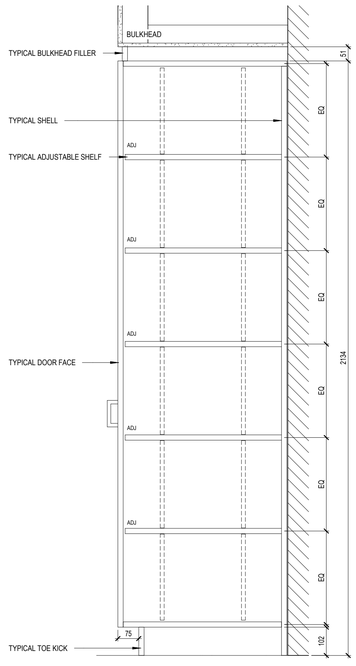
BA A802. — BASE APPLIANCE
1 : 10



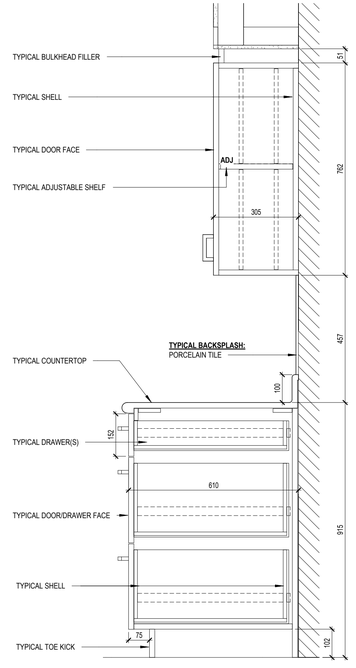
UDF A802. — UPPER DOOR AT FRIDGE
1 : 10



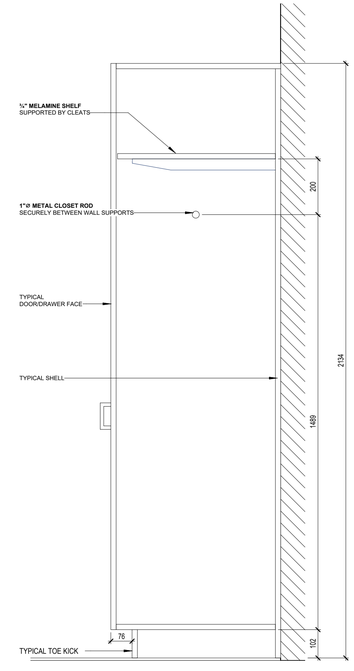
SDM A802. — SHELVING DOOR FOR MICROWAVE
1 : 10



SDT A802. — SHELVING DOOR TOWER
1 : 10



B3D A802. — BASE CABINET W/3 DRAWERS - SECTION
1 : 10



CD A802. — CLOSET DOOR - SECTION
1 : 10

GENERAL MILLWORK NOTES

1. CONSTRUCT ALL MILLWORK TO A.W.M.A.C. CUSTOM GRADE UNLESS NOTED OTHERWISE.
2. DRAWINGS PROVIDE ARE DIAGRAMMATIC AND NOT INTENDED TO CONVEY THE ENTIRE SCOPE OF WORK. CONTRACTOR TO PROVIDE DETAILED SHOP DRAWINGS FOR APPROVAL PRIOR TO COMMENCING ANY WORK. CONTRACTOR TO CONFIRM ALL DIMENSIONS ON SITE, PRIOR TO SUBMISSION OF SHOP DRAWINGS.
3. MILLWORK TO BE CONSTRUCTED AS 'EUROPEAN' STYLE. UNLESS OTHERWISE NOTED
4. WHERE CONFLICT MAY OCCUR WITH SPECIFICATION, THESE DRAWINGS AND DETAILS TO SUPERSEDE.
5. PROVIDE 3/4" (19mm) HARDWOOD SCRIBE STRIP TO CABINETS ADJACENT TO WALLS AND OTHER. SCRIBE TO WALL AND SECURE TO CABINET
6. ALL "HARDWOOD"/"HD.WD."/"WOOD VENEER" TO BE (MAPLE SPECIES) SOLID STOCK TO BE No. 1 CLEAR NO KNOTS, VENEER TO BE ROTARY CUT No. 1 CLEAR, NO KNOTS, UNLESS NOTED OTHERWISE
7. FINISH ALL "HARDWOOD"/"HD.WD."/"WOOD VENEER" WITH STAIN (COLOUR TO BE SELECTED) AND THREE COATS (CLEAR LATEX URETHANE)
8. PLASTIC LAMINATE, PVC AND MELAMINE COLORS NOT NOTED ON DRAWING WILL BE SELECTED FROM MANUFACTURERS (STANDARD) COLOR RANGE. WHERE SPECIFIC COLORS ARE NOTED ON DRAWINGS, PROVIDE AS NOTED. ALLOW FOR TWO DIFFERENT COLORS TO BE SELECTED BY ARCHITECT.
9. PVC EDGING SHALL BE SOLID COLOUR 1/8" (3mm) THICK. 'T' TYPE. COLOR TO MATCH EXTERIOR VENEER/P.LAM.
10. HARDWOOD EDGING TO BE MAPLE SPECIES SOLID STOCK No. 1 CLEAR NO KNOTS 1/4" THICK.
11. PROVIDE HARDWARE AS LISTED BELOW OR APPROVED EQUAL.
12. INSTALLATION (SEISMIC): PROVIDE BLOCKING, NAILERS AND FASTENERS PER LATEST AWMAC STANDARDS FOR SEISMIC CASEWORK INSTALLATION, TYP.; 16ga SHEET MTL OVER FRAMING MEMBERS

DRAWER SLIDES FULL EXTENSION HEAVY DUTY BALL BEARING - ACCURIDE 4034

HINGES 'EUROPEAN' STYLE, HEAVY DUTY 110° OPENING C/W THREE PLANE ADJUSTMENT - HETTICH 10.2952.00

SHELVING SUPPORTS FULL HEIGHT, FULLY RECESSED METAL PILASTER STRIPS WITH METAL SHELF CLIPS - KNAPE AND VOGT 255 & 256

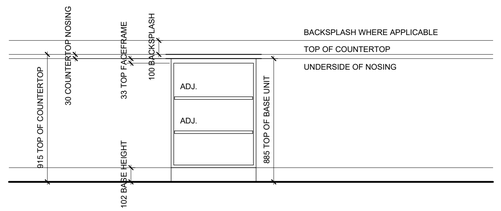
PULLS 6" 'D' SHAPED WITH BRUSHED METAL FINISH STANDARD PULL CONTRARY TO ELEVATIONS AND DETAILS MOUNT ALL HANDLES ON ALL MILLWORK HORIZONTALLY.

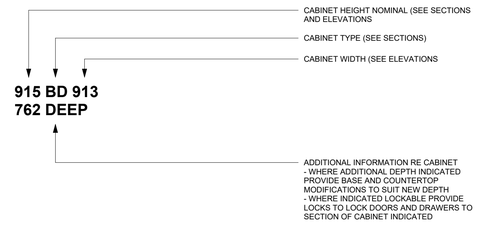
LOCKS PROVIDE LOCK TO CABINET WHERE SHOWN WITH CIRCLE ON CABINET C/W STRIKE PLATE WHERE SINGLE LOCK IS SHOWN ON A BANK OF DRAWERS, PROVIDE GANG LOCK TO LOCK ALL DRAWERS PROVIDE KEYING SCHEDULE TO OWNER FOR COORDINATION OF ALL LOCKS TO BUILDING GRANDMASTERSYSTEM.

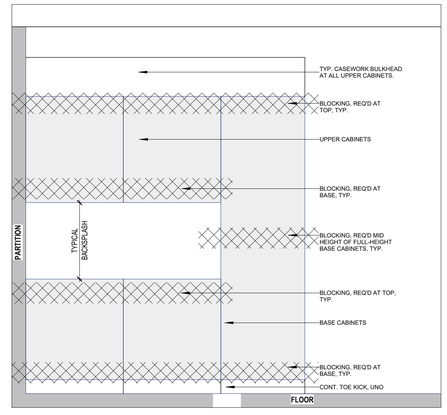
CABLE GROMMET AS RICHELIEU MODEL 10251-90 OR APPROVED EQUAL.

BI-FOLD POCKET DOOR HAWA CONCEPTA 50

MILLWORK ELEVATION CABINET REFERENCE LEGEND







IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

NOT FOR CONSTRUCTION

ISSUANCE

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT AND TENDER

PROJECT NORTH | TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ARCHITECT.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECT.

PROJECT
TOWN OF SMITH FALLS
PUBLIC WORKS OPERATIONS CENTRE
11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA # **26539** | CLIENT #

DRAWN BY **MB/IP** | CHECKED BY **CWS**

DATE **2026-06-29** | SCALE **As indicated**

SHEET NAME
CASEWORK - SECTIONS

SHEET NO
A802.

D (24"x36")

C:\Users\jpenagos\Documents\26539_Arch_Central_2024_jpenagos.rvt
2026-07-09 4:03:53 PM



1 / A901 OVERALL FINISHES PLAN
1 : 100

ROOM FINISHES SCHEDULE - LEVEL 01

-	NO.	NAME	BASE	WALLS	ACCENT WALLS	CEILING
	100	VESTIBULE	T1	PT4	-	PT1
	101	OFFICE #1	RB1	PT4	PT6	-
	102	OFFICE #2	RB1	PT4	PT6	-
	103	OFFICE #3	RB1	PT4	PT6	-
	104	OFFICE #4	RB1	PT4	PT5	-
	105	OFFICE #5	RB1	PT4	PT6	-
	106	COPY/EQUIP. ROOM	RB1	PT4	PT5	-
	107	VESTIBULE	T1	PT4	-	PT1
	108	ADMINISTRATION	RB1	PT4	PT5	-
	109	OFFICE #6	RB1	PT4	PT6	-
	110	OFFICE #7	RB1	PT4	PT5	-
	111	OFFICE #8	RB1	PT4	PT6	-
	112	OFFICE #9	RB1	PT4	PT6	-
	113	OFFICE #10	RB1	PT4	PT6	-
	114	VESTIBULE	T1	PT4	-	PT1
	115	LUNCHROOM	RB1	PT4	PT5	PT1
	116	BOARDROOM	RB1	PT4	PT5	PT1
	116.1	CL	RB1	PT4	-	PT1
	117	STORAGE	RB1	PT5	-	-
	118	STORAGE	RB1	PT5	-	-
	119	JANITOR	RB2	PT5	-	PT1
	120	WC	T2	T3	-	PT1
	121	UNIVERSAL WASHROOM/SHOWER	T2	T3	-	PT1
	122	MECHANICAL SERVICES	RB2	PT5	-	-
	123	WC	T2	T3	-	PT1
	124	IT SERVICES	RB2	PT5	-	-
	125	KITCHEN	RB1	PT4	T4	PT1
	126	HALLWAY	RB1	PT4	-	-
	127	SERVICE GARAGE	RB2	PT5	-	-
	128	HALLWAY	RB2	-	-	-
	129	WC/SHOWER	T2	T3	-	PT1
	130	FEMALE CHANGE ROOM	RB2	PT4	-	-
	131	HALLWAY	RB2	PT5		-
	132	LAUNDRY	RB-2	PT5		-
	133	WC/SHOWER	T2	T3	-	PT1
	134	WC/SHOWER	T2	T3	-	PT1
	135	MALE CHANGE ROOM	RB2	PT5	-	-
	136	LUNCHROOM	RB2	PT5	T5	-
	137	WORKSTATION	RB2	PT5		PT1
	138	WC	T2	T3	-	PT1
	139	MECHANIC OFFICE	RB2	PT5	-	-
	140	HALLWAY	RB2	-	-	-
	141	MECHANICAL SERVICES	RB2	-	-	-
	142	WASH BAY	-	-	-	-
	143	REPAIR AREA	RB2	-	-	-

ROOM SCHEDULE - MEZZANINE

-	NO.	NAME	BASE	WALL	CEILING
	201	CATWALK	RB2	PT4	-
	202	MEZZANINE	RB2	PT4	-
	203	SERVICE ROOM	RB2	PT4	-

FINISHES LEGEND

FLOOR FINISHES

- SLR - CONCRETE SEALER
  PRODUCT: SHERWIN-WILLIAMS
  COLOUR: MEDIUM GREY
- T1 - PORCELAIN TILE
  PRODUCT: EUROTILESTONE - CRASSANA
  COLOUR: NATURAL
- T2 - PORCELAIN TILE
  PRODUCT: EUROTILESTONE - AMIRA
  COLOUR: DARK
- LVP1 - LUXURY VINYL PLAN
  PRODUCT: INTERFACE - EARTHEN FORMS
  COLOUR: PALE ASH
- LVP2 - CARPET TILE
  PRODUCT: INTERFACE - EARTHEN FORMS
  COLOUR: WHITE OAK VENEER
- LVP3 - PORCELAIN TILE
  PRODUCT: INTERFACE - EARTHEN FORMS
  COLOUR: SMOKEY ASH
- SD - STATIC DISSIPATIVE TILE
  PRODUCT: TARKETT - GRANIT
  COLOUR: DARK GREY
- RES - RESINOUS FLOORING
  PRODUCT: SHERWIN-WILLIAMS - FAS TOP
  COLOUR: DARK GREY

WALL FINISHES

- T3 - PORCELAIN TILE
  PRODUCT: EUROTILESTONE - NORDBY
  COLOUR: BLANCO
- T4 - PORCELAIN TILE
  PRODUCT: EUROTILESTONE - FARGBLOCK
  COLOUR: BORGOGNA
- T5 - PORCELAIN TILE
  PRODUCT: EUROTILESTONE - FARGBLOCK
  COLOUR: BORGOGNA

BASE FINISHES

- RB1 - RUBBER BASE
  PRODUCT: TARKETT - JOHNSONITE
  COLOUR: GREY HAZE
  PROFILE: BASEWORK: RUBBER 4YH - 1/8"T
- RB2 - RUBBER BASE
  PRODUCT: TARKETT - JOHNSONITE
  COLOUR: PEBBLE
  PROFILE: BASEWORK: RUBBER 4YH - 1/8"T
- T1 - PORCELAIN TILE
  PRODUCT: EUROTILESTONE - CRASSANA
  COLOUR: NATURAL
- T2 - PORCELAIN TILE
  PRODUCT: EUROTILESTONE - AMIRA
  COLOUR: DARK

PAINTS

- PT-1 - CEILING PAINT
  PRODUCT: SHERWIN-WILLIAMS
  COLOUR: EXTRA WHITE
- PT-4 - WALL FIELD PAINT
  PRODUCT: SHERWIN-WILLIAMS
  COLOUR: SNOWBOUND
- PT-5 - WALL FIELD PAINT
  PRODUCT: SHERWIN-WILLIAMS
  COLOUR: GUILD GREY
- PT-6 - WALL ACCENT PAINT
  PRODUCT: SHERWIN-WILLIAMS
  COLOUR: ENDLESS SEA

4 / A901 MEZZANINE FLOOR PLAN - FINISHES
1 : 100

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

NOT FOR CONSTRUCTION

ISSUANCE

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT AND TENDER

PROJECT NORTH TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ARCHITECT.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECT.

PROJECT
TOWN OF SMITH FALLS
PUBLIC WORKS OPERATIONS CENTRE
11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA # **26539**
CLIENT #
DRAWN BY **MB/IP**
CHECKED BY **CWS**
DATE **2026-06-29**
SCALE **As indicated**

SHEET NAME
OVERAL FINISHES PLAN & TYP. DETAILS

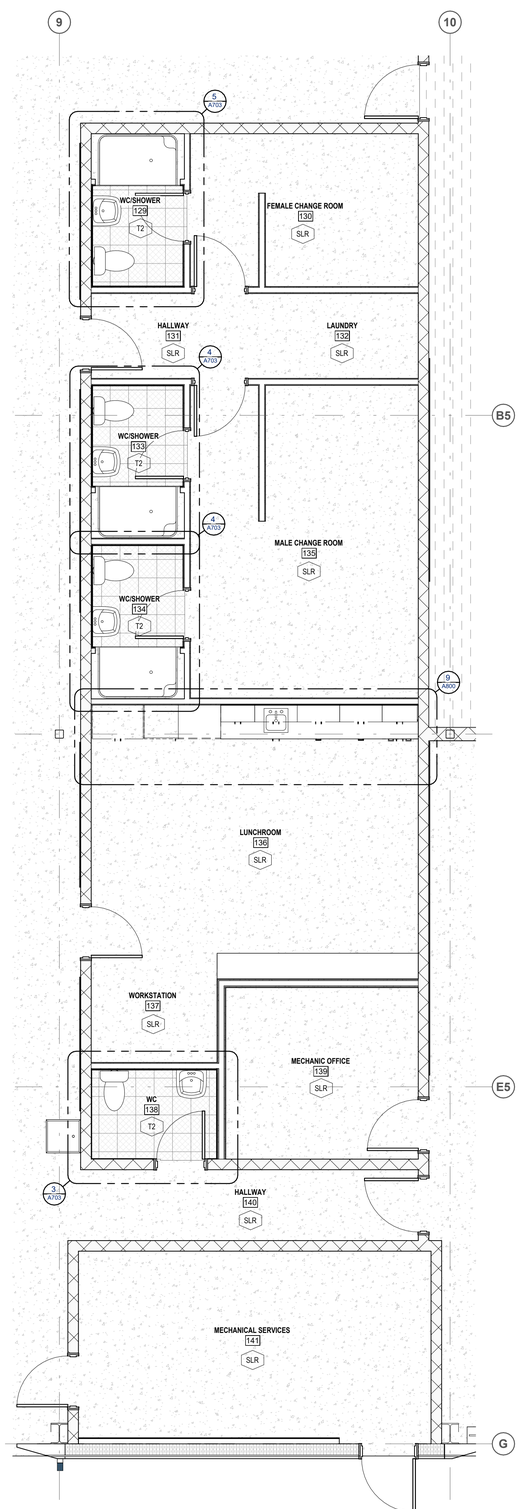
SHEET NO
A901

D (24"x36")

2026-07-09 4:03:56 PM C:\Users\jpenagos\Documents\26539_Arch_Central_2024_jpenagos.rvt



1 A902 OFFICE -FINISHES PLAN
1 : 50



2 A902 OPS - FINISHES PLAN
1 : 50

FINISHES LEGEND

FLOOR FINISHES

- SLR - CONCRETE SEALER — PRODUCT: SHERWIN-WILLIAMS — COLOUR: MEDIUM GREY
- T1 - PORCELAIN TILE — PRODUCT: EUROTILESTONE - CRASSANA — COLOUR: NATURAL
- T2 - PORCELAIN TILE — PRODUCT: EUROTILESTONE - AMIRA — COLOUR: DARK
- LVP1 - LUXURY VINYL PLAN — PRODUCT: INTERFACE - EARTHEN FORMS — COLOUR: PALE ASH
- LVP2 - CARPET TILE — PRODUCT: INTERFACE - EARTHEN FORMS — COLOUR: WHITE OAK VENEER
- LVP3 - PORCELAIN TILE — PRODUCT: INTERFACE - EARTHEN FORMS — COLOUR: SMOKEY ASH
- SD - STATIC DISSIPATIVE TILE — PRODUCT: TARKETT - GRANIT — COLOUR: DARK GREY
- RES - RESINOUS FLOORING — PRODUCT: SHERWIN-WILLIAMS - FAS TOP — COLOUR: DARK GREY

WALL FINISHES

- T3 - PORCELAIN TILE — PRODUCT: EUROTILESTONE - NORDBY — COLOUR: BLANCO
- T4 - PORCELAIN TILE — PRODUCT: EUROTILESTONE - FARGBLOCK — COLOUR: BORGOGNA
- T5 - PORCELAIN TILE — PRODUCT: EUROTILESTONE - FARGBLOCK — COLOUR: BORGOGNA

BASE FINISHES

- RB1 - RUBBER BASE — PRODUCT: TARKETT - JOHNSONITE — COLOUR: GREY HAZE — PROFILE: BASEWORK, RUBBER 4'H - 1/8"T
- RB2 - RUBBER BASE — PRODUCT: TARKETT - JOHNSONITE — COLOUR: PEBBLE — PROFILE: BASEWORK, RUBBER 4'H - 1/8"T
- T1 - PORCELAIN TILE — PRODUCT: EUROTILESTONE - CRASSANA — COLOUR: NATURAL
- T2 - PORCELAIN TILE — PRODUCT: EUROTILESTONE - AMIRA — COLOUR: DARK

PAINTS

- PT-1 - CEILING PAINT — PRODUCT: SHERWIN-WILLIAMS — COLOUR: EXTRA WHITE
- PT-4 - WALL FIELD PAINT — PRODUCT: SHERWIN-WILLIAMS — COLOUR: SNOWBOUND
- PT-5 - WALL FIELD PAINT — PRODUCT: SHERWIN-WILLIAMS — COLOUR: GUILD GREY
- PT-6 - WALL-ACCENT PAINT — PRODUCT: SHERWIN-WILLIAMS — COLOUR: ENDLESS SEA

ROOM FINISHES SCHEDULE - LEVEL 01

NO.	NAME	BASE	WALLS	ACCENT WALLS	CEILING
100	VESTIBULE	T1	PT4	-	PT1
101	OFFICE #1	RB1	PT4	PT6	-
102	OFFICE #2	RB1	PT4	PT6	-
103	OFFICE #3	RB1	PT4	PT6	-
104	OFFICE #4	RB1	PT4	PT5	-
105	OFFICE #5	RB1	PT4	PT6	-
106	COPY/EQUIP. ROOM	RB1	PT4	PT5	-
107	VESTIBULE	T1	PT4	-	PT1
108	ADMINISTRATION	RB1	PT4	PT5	-
109	OFFICE #6	RB1	PT4	PT6	-
110	OFFICE #7	RB1	PT4	PT5	-
111	OFFICE #8	RB1	PT4	PT6	-
112	OFFICE #9	RB1	PT4	PT6	-
113	OFFICE #10	RB1	PT4	PT6	-
114	VESTIBULE	T1	PT4	-	PT1
115	LUNCHROOM	RB1	PT4	PT5	PT1
116	BOARDROOM	RB1	PT4	PT5	PT1
116.1	CL	RB1	PT4	-	PT1
117	STORAGE	RB1	PT5	-	-
118	STORAGE	RB1	PT5	-	-
119	JANITOR	RB2	PT5	-	PT1
120	WC	T2	T3	-	PT1
121	UNIVERSAL WASHROOM/SHOWER	T2	T3	-	PT1
122	MECHANICAL SERVICES	RB2	PT5	-	-
123	WC	T2	T3	-	PT1
124	IT SERVICES	RB2	PT5	-	-
125	KITCHEN	RB1	PT4	T4	PT1
126	HALLWAY	RB1	PT4	-	-
127	SERVICE GARAGE	RB2	PT5	-	-
128	HALLWAY	RB2	-	-	-
129	WC/SHOWER	T2	T3	-	PT1
130	FEMALE CHANGE ROOM	RB2	PT4	-	-
131	HALLWAY	RB2	PT5	-	-
132	LAUNDRY	RB-2	PT5	-	-
133	WC/SHOWER	T2	T3	-	PT1
134	WC/SHOWER	T2	T3	-	PT1
135	MALE CHANGE ROOM	RB2	PT5	-	-
136	LUNCHROOM	RB2	PT5	T5	-
137	WORKSTATION	RB2	PT5	-	PT1
138	WC	T2	T3	-	PT1
139	MECHANIC OFFICE	RB2	PT5	-	-
140	HALLWAY	RB2	-	-	-
141	MECHANICAL SERVICES	RB2	-	-	-
142	WASH BAY	-	-	-	-
143	REPAIR AREA	RB2	-	-	-

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

NOT FOR CONSTRUCTION

ISSUANCE

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT AND TENDER

PROJECT NORTH / TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ARCHITECT.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECT.

PROJECT
TOWN OF SMITH FALLS
PUBLIC WORKS OPERATIONS CENTRE
11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

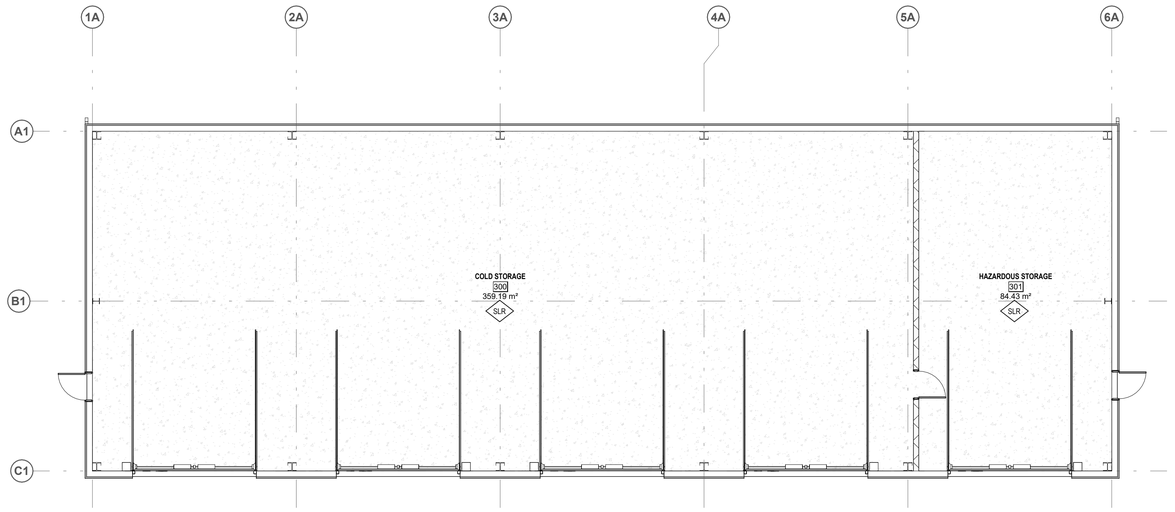
IDEA # **26539**
CLIENT #
DRAWN BY **MB/IP**
CHECKED BY **CWS**
DATE **2026-06-29**
SCALE **1 : 50**

SHEET NAME
ENLARGED FINISHES PLAN

SHEET NO
A902

D (24"x36")

C:\Users\jenagos\Documents\26539_Arch_Central_2024_jenagos.rvt
2026-07-09 4:04:00 PM



1 A903 LEVEL 1 FLOOR PLAN - COLD STORAGE - FINISHES
1 : 100

FINISHES LEGEND

FLOOR FINISHES

- SLR - CONCRETE SEALER
  PRODUCT: SHERWIN-WILLIAMS
  COLOUR: MEDIUM GREY
- T1 - PORCELAIN TILE
  PRODUCT: EUROTILESTONE - CRASSANA
  COLOUR: NATURAL
- T2 - PORCELAIN TILE
  PRODUCT: EUROTILESTONE - AMIRA
  COLOUR: DARK
- LVP1 - LUXURY VINYL PLAN
  PRODUCT: INTERFACE - EARTHEN FORMS
  COLOUR: PALE ASH
- LVP2 - CARPET TILE
  PRODUCT: INTERFACE - EARTHEN FORMS
  COLOUR: WHITE OAK VENEER
- LVP3 - PORCELAIN TILE
  PRODUCT: INTERFACE - EARTHEN FORMS
  COLOUR: SMOKEY ASH
- SD - STATIC DISSIPATIVE TILE
  PRODUCT: TARKETT - GRANIT
  COLOUR: DARK GREY
- RES - RESINOUS FLOORING
  PRODUCT: SHERWIN-WILLIAMS - FAS TOP
  COLOUR: DARK GREY

WALL FINISHES

- T3 - PORCELAIN TILE
  PRODUCT: EUROTILESTONE - NORDBY
  COLOUR: BLANCO
- T4 - PORCELAIN TILE
  PRODUCT: EUROTILESTONE - FARGBLOCK
  COLOUR: BORGOGNA
- T5 - PORCELAIN TILE
  PRODUCT: EUROTILESTONE - FARGBLOCK
  COLOUR: BORGOGNA

BASE FINISHES

- RB1 - RUBBER BASE
  PRODUCT: TARKETT - JOHNSONITE
  COLOUR: GREY HAZE
  PROFILE: BASEWORK, RUBBER 4'H - 1/8"T
- RB2 - RUBBER BASE
  PRODUCT: TARKETT - JOHNSONITE
  COLOUR: PEBBLE
  PROFILE: BASEWORK, RUBBER 4'H - 1/8"T
- T1 - PORCELAIN TILE
  PRODUCT: EUROTILESTONE - CRASSANA
  COLOUR: NATURAL
- T2 - PORCELAIN TILE
  PRODUCT: EUROTILESTONE - AMIRA
  COLOUR: DARK

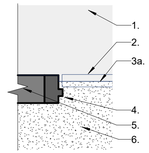
PAINTS

- PT-1 - CEILING PAINT
  PRODUCT: SHERWIN-WILLIAMS
  COLOUR: EXTRA WHITE
- PT-4 - WALL FIELD PAINT
  PRODUCT: SHERWIN-WILLIAMS
  COLOUR: SNOWBOUND
- PT-5 - WALL FIELD PAINT
  PRODUCT: SHERWIN-WILLIAMS
  COLOUR: GUILD GREY
- PT-6 - WALL ACCENT PAINT
  PRODUCT: SHERWIN-WILLIAMS
  COLOUR: ENDLESS SEA

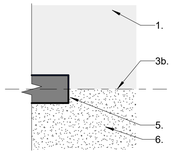
ROOM FINISHES SCHEDULE - LEVEL 01 - COLD STORAGE

-	NO.	NAME	BASE	WALL	CEILING
	300	COLD STORAGE	-	-	-
	301	HAZARDOUS STORAGE	-	-	-

a) DOOR FRAME CONDITION



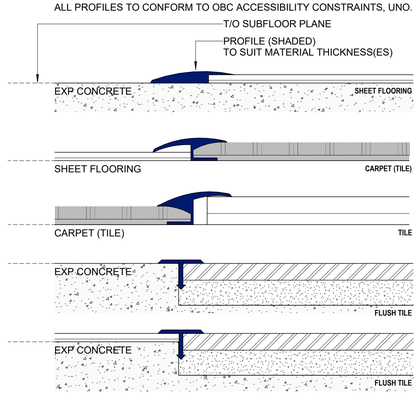
b) END PARTITION CONDITION



DETAIL NOTES:
1. FLOOR FINISH X
2. TYP. DOOR OUTLINE
3. PROVIDE FLOOR FINISH TRANSITION TRIM:
   a) ALIGNED TO CL OF DOOR PANEL, UNO, TYP.
   b) ALIGNED TO CL OF PARTITION, UNO, TYP.
4. DOOR FRAME
5. PARTITION
6. FLOOR FINISH Y

2 A903 PLAN DETAIL - TYP. FLOOR TRANSITIONS
1 : 10

ALL PROFILES TO CONFORM TO OBC ACCESSIBILITY CONSTRAINTS, UNO.



3 A903 SECTION DETAIL - TYP. FLOOR TRANSITIONS
1 : 1

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

NOT FOR CONSTRUCTION

ISSUANCE

NO	DATE	ISSUE
A	2026-06-29	ISSUED FOR PERMIT AND TENDER

PROJECT NORTH | TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ARCHITECT.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECT.

PROJECT
TOWN OF SMITH FALLS
PUBLIC WORKS OPERATIONS CENTRE
11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA # **26539** | CLIENT #

DRAWN BY **MB/IP** | CHECKED BY **CWS**

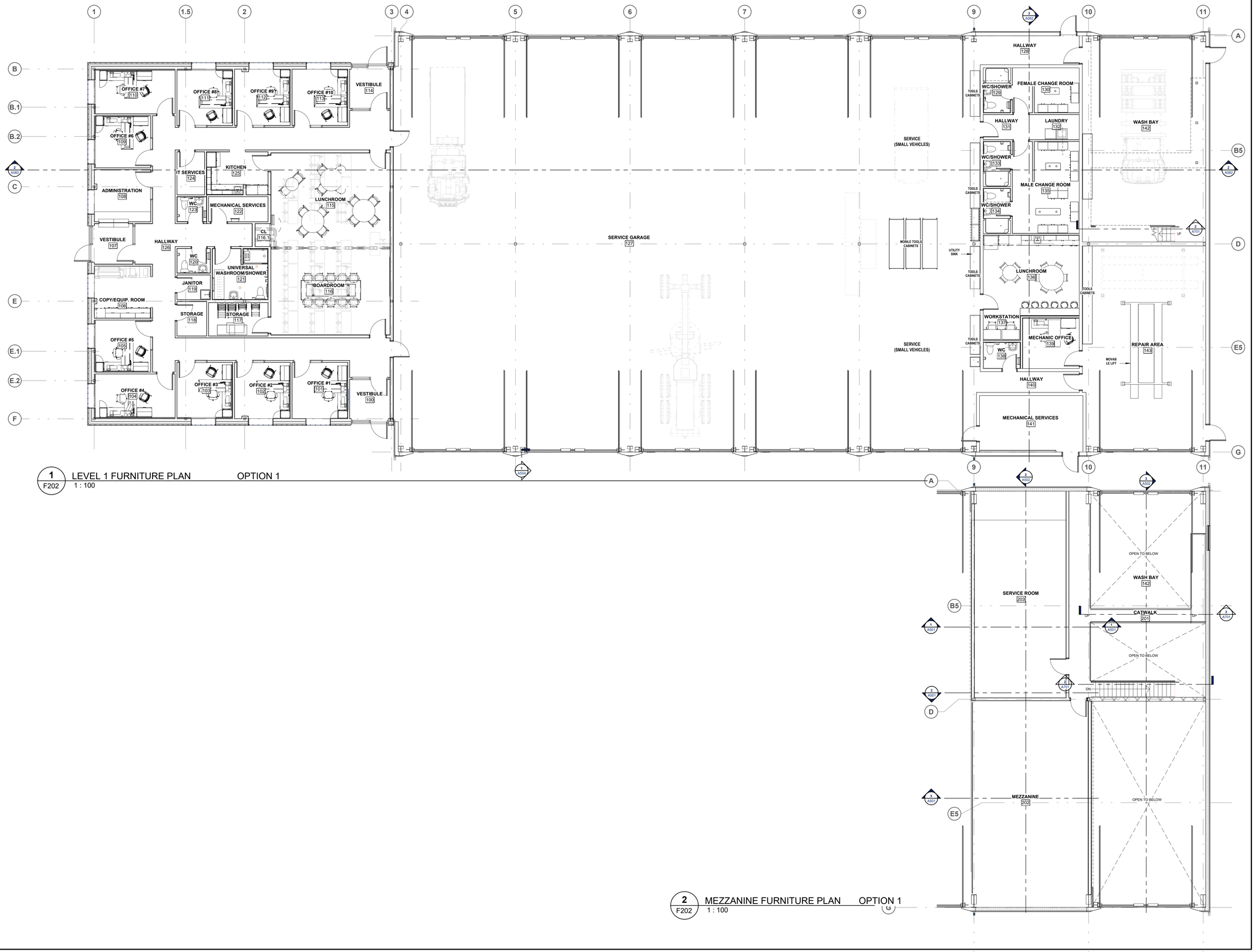
DATE **2026-06-29** | SCALE **As indicated**

SHEET NAME
COLD STORAGE FINISHES PLAN & TYPICAL DETAILS

SHEET NO
A903

D (24"x36")

C:\Users\ipenagos\Documents\26539_Arch_Central_2024_ipenagos.rvt
2026-07-09 4:04:03 PM



1 F202 LEVEL 1 FURNITURE PLAN OPTION 1
1 : 100

2 F202 MEZZANINE FURNITURE PLAN OPTION 1
1 : 100

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

NOT FOR CONSTRUCTION

ISSUANCE

NO	DATE	ISSUE
A	2026-06-29	ISSUED FOR PERMIT AND TENDER

PROJECT NORTH TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ARCHITECT.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECT.

PROJECT

TOWN OF SMITH FALLS

PUBLIC WORKS OPERATIONS CENTRE

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA # **26539**

CLIENT #

DRAWN BY **IP**

CHECKED BY **CWS**

DATE **2026-06-29**

SCALE **1 : 100**

SHEET NAME

FURNITURE PLAN

SHEET NO

F202

D (24"x36")

C:\Users\jpenagos\Documents\26539_Arch_Central_2024_jpenagos.rvt

2026-07-09 4:04:07 PM

EQUIPMENT SCHEDULE NOTES

1.	THE DESIGN IS BASED ON THE PERFORMANCE, CAPACITIES, DIMENSIONS, ELECTRICAL REQUIREMENTS AND PHYSICAL CONFIGURATIONS OF THE FIRST LISTED PRODUCTS.
2.	OTHER APPROVED PRODUCTS AND MANUFACTURERS THAT ARE LISTED IN THE SCHEDULES OR SPECIFICATIONS ARE MANUFACTURERS AND/OR PRODUCTS WHICH MEET THE REQUIRED STANDARD OF PERFORMANCE, QUALITY OF MATERIAL AND WORKMANSHIP. HOWEVER, CONFIRMATION THAT PRODUCT IS COMPATIBLE WITH THE DESIGN AS PRESENTED (UNIT STYLE, MOUNTING/CLEARANCE REQUIREMENTS, PERFORMANCE CAPACITIES, AND PIPE SIZING/LAYOUT) IS THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR.
3.	THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR AND COVER ALL COSTS AND LABOUR IN CASES WHERE A MANUFACTURER AND/OR PRODUCT OTHER THAN THE FIRST LIST PRODUCT IS SELECTED AND INDUCES REVISIONS RELATED TO LABOUR, MATERIAL, PIPING, CONNECTIONS, OR INVOLVES CHANGES IN COSTS FOR OTHER RELATED TRADES, THE GENERAL CONTRACTOR OR THE OWNER. ALL REVISIONS TO COSTS AND WORK SHALL BE CAPTURED IN THE TENDER PRICE.
4.	REFER TO DIVISION 26 FOR SCOPE OF WORK RELATED TO SUPPLY AND INSTALL OF STARTERS, DISCONNECTS, CONTROLS, ETC. FOR MECHANICAL EQUIPMENT.
5.	UNLESS A COMPONENT IS SPECIFICALLY NOTED TO BE SUPPLIED BY ANOTHER DIVISION, ALL COMPONENTS AND ACCESSORIES SHALL BE PROVIDED BY MECHANICAL FOR A COMPLETE INSTALLATION.

GENERAL MECHANICAL NOTES

1.	CONFORM TO INSTRUCTIONS TO BIDDERS, GENERAL CONDITIONS AND GENERAL REQUIREMENTS
2.	THIS SECTIONS SHALL APPLY TO DIVISIONS 21, 22, 23, & 25
3.	BEFORE SUBMITTING TENDERS, EXAMINE SITE, AND ALL DRAWINGS. EXTRAS WILL NOT BE ALLOWED FOR FAILURE TO DO SO
4.	PROVIDE ALL LABOUR, MATERIALS AND EQUIPMENT NECESSARY TO EXECUTE THE WORK SHOWN AND DESCRIBED. INSTALLATION OF MATERIALS SHALL MEET ALL APPLICABLE PROVINCIAL, FEDERAL AND MUNICIPAL REQUIREMENTS. (NBC AND OBC STANDARDS)
5.	OBTAIN PERMITS AND PAY ALL FEES FOR WORK AND REQUIRED INSPECTIONS
6.	MAINTAIN LIABILITY INSURANCE TO PROTECT OWNER AND THE CONTRACTER FROM ANY AND ALL CLAIMS UNDER THE WORKER'S COMPENSATION ACT
7.	ALL MATERIALS SHALL CONFORM TO CSA, HEPC AND CEC REQUIREMENTS AND SHALL BEAR CSA LABEL.
8.	TEMPORARY LIGHT, POWER AND WATER BY GENERAL CONTRACTOR
9.	PROVIDE TEMPORARY BUILDINGS AND MATERIAL STORAGE AS REQUIRED AND BE RESPONSIBLE FOR ANY LOSS OR DAMAGE THERETO
10.	DURING SHOP DRAWING REVIEW SUBMIT SAMPLES OF MATERIALS UPON REQUEST FROM CONSULTANT REFER TO 01 33 00 SUBMITTAL PROCEDURES.
11.	SUBMIT SHOP DRAWINGS FOR REVIEW COVERING MAJOR MANUFACTURED ITEMS, IE. ERVs, VRF SYSTEMS, EXHAUST FANS, VOLUME BOXES, PLUMBING FIXTURES, REHEAT COILS, BYPASS DAMPERS ETC.
12.	SUPPLY AND LOCATE ALL BASES, SUPPORTS, SLEEVES, CURBS, ETC. REQUIRED FOR THIS WORK. FLASHING BY ROOF TRADES. COUNTER FLASHING BY THIS CONTRACTOR
13.	UNLESS OTHERWISE NOTED, ALL MOTORS OVER 1/2HP SHALL BE 3 PHASE - 575 OR 208 VOLTS
14.	ALL POWER WIRING BY ELECTRICAL CONTRACTOR, CONTROL AND INTERLOCK WIRING BY CONTROLS CONTRACTOR
15.	DIVISION 21 TO SUPPLY ALL NECESSARY ACCESS DOORS FOR MECHANICAL EQUIPMENT. TURN OVER TO DIVISION 9 FOR INSTALLATION
16.	EXCAVATION AND BACK FILLING FOR MECHANICAL WORK WILL BE CARRIED OUT BY DIV. 31. THIS CONTRACTOR SHALL BED THE PIPE AND BACK FILL TO 800mm ABOVE PIPE.
17.	PIPE HANGERS SHALL BE CLEVIS SPLIT TYPE WITH MILD STEEL RODS. FOR COPPER PIPE USE PLASTIC INSERTS, DO NOT SUPPORT EQUIPMENT OR PIPING FROM UNDER ROOF DECK WITHOUT PERMISSION FROM ARCHITECTS. SUPPLY AND INSTALL NECESSARY STEEL TO TRANSFER LOAD TO STRUCTURAL MEMBERS
18.	ALL DISSIMILAR METAL (STEEL, COPPER ETC.) SHALL BE SEPARATED USING GASKETS OR DIELECTRIC FITTINGS
19.	INSTALL CHROME PLATED ESCUTCHEONS WHERE BRANCH PIPES PASS THROUGH FINISHED SURFACE
20.	KEEP ACCURATE RECORD OF 'AS-BUILT' DRAWINGS AND SUBMIT THESE BEFORE FINAL CERTIFICATE OF COMPLETION. BURIED SERVICES MUST BE DIMENSIONED.
21.	ALL SURFACES MUST BE LEFT CLEAN AND SMOOTH, READY FOR PAINTING BY GENERAL TRADES
22.	IDENTIFY ALL PIPING. USE STENCILS OR COLOUR CODES AND DIRECTIONAL ARROWS. REFER TO SPECIFICATION 23 05 53 - MECHANICAL IDENTIFICATION FOR DETAILS
23.	IDENTIFY ALL FANS, STARTERS, REMOTE CONTROL AND ALL OTHER EQUIPMENT AS TO SERVICE BY A BLACK LAMOCOID ENGRAVED NAMEPLATE WITH WHITE CORE. FIRMLY AFFIXED WITH SCREWS TO EACH UNIT.
24.	ON COMPLETION OF THE WORK, REMOVE FROM THE PREMISES ALL TOOLS, DEBRIS, SURPLUS AND WASTE MATERIALS RESULTING FROM OPERATIONS UNDER THIS SECTION. CLEAN ALL EQUIPMENT AND LEAVE ALL ITEMS IN PERFECT ORDER READY FOR OPERATION
25.	AFTER ACCEPTANCE, INSTRUCT OWNER IN EQUIPMENT OPERATION, AND PROVIDE HIM WITH OPERATING AND MAINTENANCE MANUALS STANDARDS AND EXTENDED WARRANTY DOCUMENTS, INSPECTION CERTIFICATES AND COPIES OF SHOP DRAWINGS OF INSTALLED EQUIPMENT
26.	THE CONTRACTOR SHALL, BEFORE FINAL PAYMENT IS MADE, GUARANTEE ALL MATERIALS AND WORKMANSHIP SUPPLIED BY HIM IN THE PERFORMANCE OF THIS CONTRACT FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE AND SHALL, WHEN CALLED UPON, MAKE GOOD WITHOUT FURTHER COST TO THE OWNER SUCH DEFECTS AS MAY APPEAR WITHIN THIS PERIOD

INSULATION

1.	SEE SPECIFICATIONS SECTIONS 23 7 13 - DUCT INSULATION & 21 07 19 - THERMAL INSULATION FOR PIPING
2.	PROVIDE CANVAS WRAP OR PVC JACKET ON ALL EXPOSED PIPING
3.	MITRE INSULATION AT ALL ELBOWS

PLUMBING AND DRAINAGE INSIDE THE BUILDING

1.	ALL WORK SHALL BE EXECUTED BY LICENSED PLUMBERS
2.	ALL PLUMBING AND DRAINAGE WORK SHALL BE INSTALLED AS REQUIRED BY ONTARIO PLUMBING CODE AND ONTARIO BUILDING CODE. REVISED TO DATE, AND SHALL MEET THE REQUIREMENTS OF ALL PROVINCIAL AND MUNICIPAL AUTHORITIES HAVING JURISDICTION
3.	INCLUDE ALL PIPING, FITTINGS AND EQUIPMENT SHOWN ON DRAWINGS OR DESCRIBED IN SPECIFICATIONS. ALL ITEMS NOT MENTIONED BUT UNDERSTOOD TO BE NECESSARY TO COMPLETE THE PLUMBING SYSTEM SHALL BE INCLUDED.
4.	ABOVE GROUND WATER PIPING SHALL BE TYPE 'L' COPPER C/W 95 / 5 SOLDER JOINTS. PIPING TO BE CERTIFIED TO CSA STANDARD ASTM B88 STANDARD
5.	BURIED WATER PIPING SHALL BE COPPER TYPE 'K'.
6.	ALL ABOVE GROUND VENT PIPING SHALL BE DWV COPPER, GALVANIZED STEEL OR PLENUM RATED PVC
7.	ALL BURIED VENT PIPING MAY BE ABS PLASTIC SOLVENT WELD
8.	VALVES UP TO 50mm SHALL BE BRONZE BALL BALVES
9.	SUPPLY AND INSTALL ALL PLUMBING FIXTURES, CLEAN OUTS, HOSE BIBBS, FLOOR DRAINS, COMBINATION DRAINS, ROOF DRAINS, ETC. AS SHOWN ON DRAWINGS AND AS REQUIRED BY THE ONTARIO BUILDING CODE.
10.	CLEAN OUTS SHALL BE INSTALLED AS REQUIRED BY CODE AND WHERE SHOWN AND SHALL SUIT FLOORING MATERIAL
11.	SEE FIXTURE SCHEDULE FOR PLUMBING FIXTURE TYPES
12.	SUPPLY AND INSTALL WHEEL HANDLE OR SCREW FIXTURE STOP VALVE ON THE HOT AND COLD WATER SUPPLY TO EVERY FIXTURE ON THE JOB, IN ADDITION TO THE VALVE OR FAUCET ON THE FIXTURE ITSELF
13.	PROTECT ALL FIXTURES UNTIL HANDED OVER TO THE OWNER. ALL FIXTURES SHALL BE C/W NECESSARY TRIM, TRAP SUPPLIES, STOPS, TAIL PIECES, TRAPS, GASKETS, ETC.
14.	ALL SANITARY DRAINAGE PIPING TO BE INSTALLED AT MINIMUM 1% SLOPE IN THE DIRECTION OF FLOW, OR AS NOTED ON DRAWINGS
15.	SETUP, TEST, AND PROVIDE REPORT CONFIRMING ALL THERMOSTATIC MIXING VALVES ARE FUNCTIONING PROPERLY.
16.	ALL CORE DRILLING OF SLABS FOR INSTALLATION OF PIPING SHALL BE BY DIVISION 21.
17.	PROVIDE AUTOMATIC TRAP SEAL PRIMERS FOR ALL FLOOR DRAINS AND HUB DRAINS.

HEATING, VENTILATION, AND AIR CONDITIONING (HVAC)

1.	SUPPLY AND INSTALL ALL VENTILATION AND AIR HANDLING EQUIPMENT AS SHOWN ON THE DRAWINGS
2.	INCLUDE FOR STARTUP OF ALL EQUIPMENT
3.	ADJUST ALL FAN SPEEDS TO DELIVER SHOWN AIR QUANTITIES. INCLUDE NECESSARY SPARE BELTS AND PULLEYS FOR FIELD ADJUSTMENT
4.	PROVIDE AN AIR BALANCING REPORT VERIFYING THAT SUPPLY AIR AND EXHAUST AIR SYSTEMS ARE BALANCED TO PROVIDE DESIGN AIR FLOWS. SUBMIT REPORT FOR REVIEW AND APPROVAL. (QUANTITY TO BE AS NOTED ELSEWHERE).
5.	SUPPLY AND INSTALL DUCTWORK AS INDICATED ON DRAWINGS. DUCTWORK SHALL BE FABRICATED AND INSTALLED IN STRICT ACCORDANCE WITH LATEST ASHRAE AND SMACNA STANDARDS AND SHALL BE MANUFACTURED OF GALVANIZED STEEL UNLESS SPECIFICALLY NOTED OTHERWISE
6.	ALL EXPOSED GRILLES TO BE INSTALLED AFTER THE CEILING/STRUCTURE/DUCTWORK IS PAINTED OUT UNLESS OTHERWISE NOTED
7.	INSTALL MANUAL BALANCING DAMPERS AT ALL BRANCH TAKEOFFS AND AS INDICATED ON THE DRAWINGS
8.	ALL MANUAL VOLUME DAMPERS LARGER THAN 300x300mm TO BE OPPOSED BLADE
9.	ALL CIRCULAR DUCT TAKEOFFS FROM RECTANGULAR DUCTWORK TO BE C/W VOLUME DAMPER
10.	PROVIDE SMALL ARC TURNING VANES IN DUCT ELBOW WHERE CENTRE LINE OF RADIUS IS LESS THAN 1-1/2 TIMES THE TURNING DIMENSIONS OF THE DUCT. ACCEPTABLE MANUFACTURERS: DURODYNE, TUTLE AND BAILEY
11.	APPROVED FLEXIBLE DUCTWORK MAY BE USED FOR RUN OUTS TO DIFFUSERS, MAXIMUM LENGTH 1830mm, EXCEPT WHERE DUCTWORK IS INTENDED TO BE EXPOSED
12.	DUCT SIZE MAY BE CHANGED PROVIDING EQUIVALENT AIR FLOW FRICTIONAL LOSS IS MAINTAINED. MAXIMUM WIDTH TO DEPTH DIMENSION SHALL NOT EXCEED 3:1

SEISMIC REQUIREMENTS

1.	THIS BUILDING IS LOCATED WITH IN A SEISMIC ZONE. REFER TO STRUCTURAL DRAWINGS FOR CLASSIFICATION INFORMATION.
2.	ENGAGE A SEISMIC ENGINEER REGISTERED WITH PEO TO REVIEW THE DESIGN PACKAGE AND PROVIDE A DESIGN FOR SEISMIC RESTRAINTS.
3.	PROVIDE ALL SEISMIC RESTRAINTS AS NOTED BY THE SEISMIC ENGINEERING DESIGN AND PROVIDE THE CONSULTANT WITH A COPY OF THE SEISMIC ENGINEERS LETTER OF CONFORMANCE PRIOR TO SUBSTANTIAL COMPLETION.
4.	PROVIDE SEISMIC DESIGN PARAMETERS FOR ALL MECHANICAL SYSTEMS; TO BE SUBMITTED WITH SHOP DRAWINGS.

LEGEND - HVAC

SYMBOL	DESCRIPTION
	1 / 2" NEO-ACOUSTIC INTERNAL INSULATION
Z: X: CFM capacity X: Y: Duct connection Size (mm) Z: Diffuser Type	TYPE OF DIFFUSER AS NOTED PER SCHEDULE UNLESS OTHERWISE NOTED
	RETURN OR EXHAUST AIR DUCT
	SUPPLY OR OUTSIDE AIR DUCT
	TRANSFER DUCT
RA	RETURN AIR
SA	SUPPLY AIR
EA	EXHAUST AIR
OA	OUTSIDE AIR
	RETURN AIR GRILLE OR REGISTER
	SUPPLY DIFFUSER
	EXHAUST FAN INLINE / CABINET / ROOF MOUNT
M	MOTORIZED / BYPASS DAMPER
F.D	FIRE DAMPER
V.D	VOLUME DAMPER
N.I.C.	NOT IN CONTRACT
A.F.F.	ABOVE FINISHED FLOOR
N.T.S.	NOT TO SCALE

LEGEND - PIPING SYSTEMS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
DCW	DOMESTIC COLD WATER		DDC CONTROL VALVE
DHW	DOMESTIC HOT WATER		ISOLATION / SHUTOFF VALVE
DHWR	DOMESTIC HOT WATER RECIRCULATION		UNION
SAN	SANITARY DRAINAGE		CHECK VALVE
ST	STORM DRAINAGE (STAINLESS STEEL)		PUMP
CD	CONDENSATE		PRESSURE GAUGE WITH ISOLATION VALVE
RS	REFRIGERANT SUCTION (RS)		PRESSURE RELIEF VALVE
RL	REFRIGERANT DISCHARGE (RD)	PSD	PUMP SUCTION DIFFUSER
NG	NATURAL GAS		PUMP FLEXIBLE CONNECTOR
	PIPE DOWN	T	TEMPERATURE GAUGE
	PIPE UP		PRESSURE GAUGE
▶	FLOW DIRECTION	T	TEMPERATURE SENSOR
M	UTILITY METER		CIRCUIT BALANCING VALVE
N.O.	NORMALLY OPEN	N.C.	NORMALLY CLOSED

PLUMBING FIXTURE SIZING

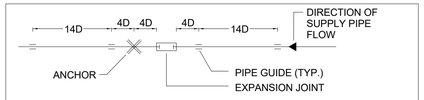
SYMBOL	FIXTURE DESCRIPTION	DRAIN (mm)	VENT (mm)	DCW (mm)	DHW (mm)
L-1	LAVATORY	40mm (1-1/2"Ø)	32mm (1-1/4"Ø)	15mm (1/2"Ø)	15mm (1/2"Ø)
WC-1	WATER CLOSET - FLUSH VALVE	75mm (3"□)	40mm (1-1/2"□)	20mm (3/4"□)	-
SS-1	DROP-IN KITCHEN SINK	40mm (1-1/2"Ø)	32mm (1-1/4"Ø)	15mm (1/2"Ø)	15mm (1/2"Ø)
DW	DISHWASHER	40mm (1-1/2"Ø)	32mm (1-1/4"Ø)	-	15mm (1/2"Ø)
JS	JANITORY / LAUNDRY TUB	75mm (3"Ø)	40mm (1-1/2"Ø)	15mm (1/2"Ø)	15mm (1/2"Ø)
FD	FLOOR DRAIN	75mm (3"□)	40mm (1-1/2"□)	-	-
HB-1	HOSE BIB	-	-	15mm (1/2"Ø)	15mm (1/2"Ø)
NFHB	NON-FREEZE HOSE BIB	-	-	15mm (1/2"Ø)	-
TSP	TRAP SEAL PRIMER	-	-	15mm (1/2"Ø)	-

PIPE SIZE LEGEND

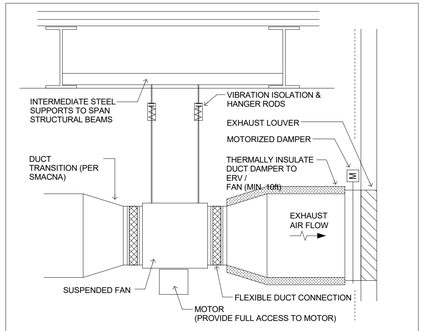
METRIC SIZE	IMPERIAL SIZE
8Ø	1/4"Ø
10Ø	3/8"Ø
15Ø	1/2"Ø
17Ø	5/8"Ø
20Ø	3/4"Ø
23Ø	7/8"Ø
25Ø	1"Ø
32Ø	1-1/4"Ø
38Ø	1-1/2"Ø
50Ø	2"Ø
65Ø	2-1/2"Ø
75Ø	3"Ø
90Ø	3-1/2"Ø
100Ø	4"Ø
125Ø	5"Ø
150Ø	6"Ø

DOMESTIC WATER: ALLOWABLE NUMBER OF 1/2"Ø (15Ø) CONNECTIONS

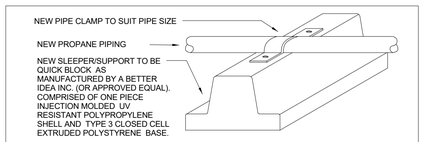
PIPE SIZE INCHES (mm)	AVERAGE DEMAND	100% DEMAND
1/2"Ø (15Ø)	1	1
3/4"Ø (20Ø)	4	3
1" (25Ø)	10	6
1-1/4"Ø (32Ø)	20	12
1-1/2"Ø (40Ø)	30	20
2"Ø (50Ø)	50	35
2-1/2"Ø (65Ø)	70	60
3"Ø (75Ø)	125	100
4"Ø (100Ø)	200	165



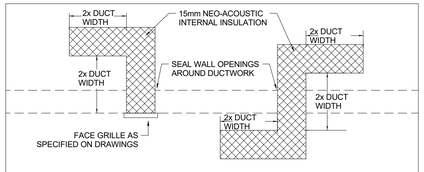
EXPANSION JOINT DETAIL
N.T.S.



SUSPENDED IN-LINE FAN / ERV DETAIL
N.T.S.

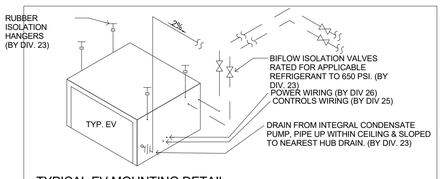


NATURAL GAS PIPING SUPPORT DETAIL
N.T.S.

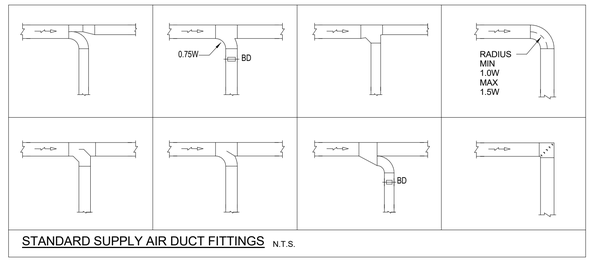


NOTES:
1) DIMENSIONS OF TRANSFER DUCTS SHOWN ON DRAWINGS ARE OUTER DIMENSIONS (INCLUSIVE OF INTERNAL ACOUSTIC INSULATION).

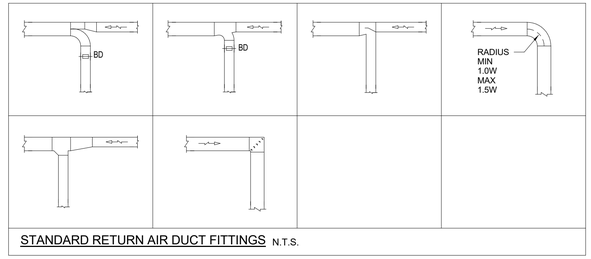
CROSS TALK / TRANSFER DUCT DETAIL
N.T.S.



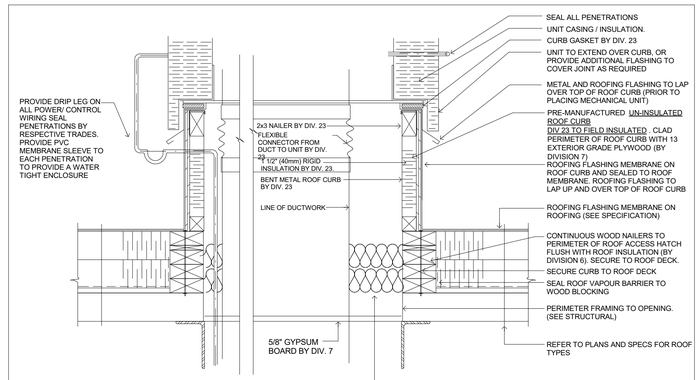
TYPICAL EV MOUNTING DETAIL
N.T.S.



STANDARD SUPPLY AIR DUCT FITTINGS N.T.S.

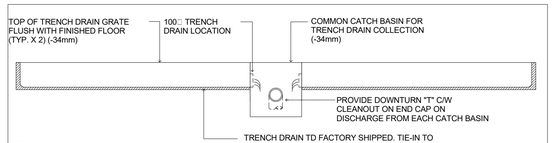


STANDARD RETURN AIR DUCT FITTINGS N.T.S.

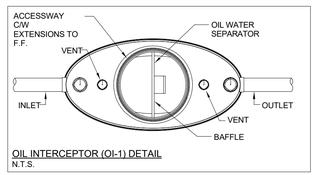


NOTES:
1) REFER TO TYPICAL MECHANICAL CURB DETAIL ON ARCHITECTURAL DRAWINGS FOR CURB DETAILS.

HVAC CURB DETAIL
N.T.S.



TRENCH DRAIN DETAIL
N.T.S.



OIL INTERCEPTOR (OI-1) DETAIL
N.T.S.

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

LICENSED PROFESSIONAL ENGINEER
26539
June 29th 2026
A. M. J. CAMIRAND
100547308
PROVINCE OF ONTARIO

ISSUANCE

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT & TENDER

PROJECT NORTH | TRUE NORTH

GENERAL NOTES
1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ENGINEER.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ENGINEER.

PROJECT
TOWN OF SMITHS FALLS
PUBLIC WORKS OPERATIONS CENTRE
11 AIR CARE DR, SMITHS FALLS, ON. K7A 0B2

IDEA # **26539** | CLIENT #

DRAWN BY **Author** | CHECKED BY **Checker**

DATE **2026-06-29** | SCALE **1 : 100**

SHEET NAME
MECHANICAL NOTES, LEGENDS AND DETAILS

SHEET NO
M000

D (24"x36")

2026-06-29 11:00:18 AM

PLUMBING FIXTURES SCHEDULE

SYMBOL	FIXTURE TYPE	FIXTURE SPECIFICATION
WC-1	WATER CLOSET FLOOR MOUNTED BARRIER FREE	**ZURN HET MODEL #Z5665-BWL1 -** ELONGATED ADA HEIGHT, FLOOR MOUNTED, FLUSH VALVE TOILET", 16-3/4" RIM HEIGHT ADA COMPLIANT, SIPHON JET FLUSHING ACTION, ELONGATED FRONT RIM WITH 1-1/2" TOP SPUD CONNECTION, STANDARD WHITE, LOW CONSUMPTION (1.6 GPF). C/W: • DELTA EXPOSED, QUIET DIAPHRAGM-TYPE, CHROME PLATED ELECTRONIC FLUSH VALVE WITH POLISHED EXTERIOR. LOW CONSUMPTION FLUSH (1.27 GPF). SCRATCH RESISTANT REPLACEABLE LENS WINDOW . ADA COMPLIANT. MODEL # 81T201HWA-48. : 120/24VAC 20VA LOW VOLTAGE TRANSFORMER (MODEL#: 060704A) • ZURN COMMERCIAL HEAVY DUTY ELONGATED TOILET SEAT #Z5957SS-EL ELONGATED, WHITE, OPEN FRONT TOILET SEAT, WITH COVER AND STAINLESS STEEL CHECK HINGE. • MISC: PROVIDE FLOOR FLANGE, (SAME MATERIAL AS THE CONNECTING PIPE DRAIN), WITH ALL BRASS BOLTS AND WITH RUBBER GASKET.
L-1	LAVATORY WALL HUNG BARRIER FREE ADA COMPLIANT	**AMERICAN STANDARD MURRO UNIVERSAL DESIGN WALL-HUNG LAVATORY, WHITE (MODEL #0954.004EC)** CENTER HOLE ONLY (MODEL # 0955.001EC). C/W SHROUD/KNEE CONTACT GUARD (MODEL # 0059.020), & CAST LAVATORY WASTE GRID DRAIN WITH 1-1/4" TRAP. **MOEN ELECTRONIC FAUCET MODEL #CA8301 SERIES:** • ONE PIECE, CAST BRASS CONSTRUCTION • VANDAL RESISTANT AERATOR • 0.5 GPM VANDAL-RESISTANT MULTI-STREAM LAMINAR FLOW • HARD WIRED AC CONNECTION TO LOW VOLTAGE TRANSFORMER (MODEL #104630) PROVIDED BY DIV. 22, INSTALLED BY DIV. 26. • THERMOSTATIC MIXING VALVE. 20" FLEXIBLE INLET HOSES WITH 3/8" COMPRESSION FITTINGS (MODEL #605XTMV1070) • PROVIDE DAHL 1/4 TURN SHUT-OFF VALVES AT CONNECTION TO FIXTURE. • WATTS DRAINAGE PRODUCTS FLOOR MOUNTED LAVATORY CARRIER WITH CONCEALED ARMS (MODEL #CA-411-WC)
SS-1	STAINLESS STEEL KITCHEN SINK	**NOVANNI 1017/316AEI-38 SINGLE BOWL SINK:** • NOMINAL DIMENSIONS OF 20 x 20-1/2" (510 x 520mm), SINGLE BOWL, DIMENSIONS OF: 18 x 16 x 8" [460 x 410 x 200mm] • DROP IN SINK, 18 GAUGE 316 STAINLESS STEEL, SATIN FINISH, 3 HOLE, 8" CENTERS, C/W 3-1/2" BASKET STRAINER **MOEN COMMERCIAL 8287 UTILITY FAUCET:** • CHROME PLATED BRASS CONSTRUCTION, 8" CENTERS, DECK MOUNT • TWO LEVER STYLE HANDLES WITH HOT AND COLD COLOUR INDICATORS, VANDAL RESISTANT TORX HEAD SCREWS • BRASS SHELL, CERAMIC DISC CARTRIDGE WITH 1/4 TURN OPERATION • 1/2" IPS CONNECTIONS, FLOW LIMITED TO 1.5 GPM FLOW RATE AT 60 PSI • WHST70-12 1/2" NPT ASSE 1070 COMPLIANT HOT & COLD TEMPERATURE / PRESSURE BALANCING MIXING VALVE
SS-2	SINGLE FREESTANDING GENERAL PURPOSE SINK	**RIDALCO SINGLE 304 16 GAUGE STAINLESS STEEL FREESTANDING UTILITY SINK, MODEL # EC-1-2421:** OVERALL DIMENSIONS - 24.5" x 24" x 38.5", BOWL DIMENSIONS - 21" x 21", BOWL DEPTH - 12" WITH 2 HOLES 8" CC. C/W WASTE ASSEMBLY AND ALL OTHER FITTINGS FOR INSTALLATION. C/W : **MOEN COMMERCIAL TWO-HANDLE WALL MOUNT FAUCET (MODEL #8126) C/W:** – 1/2" IPS CONNECTIONS – 4" WRIST BLADE HANDLES WITH HOT AND COLD COLOR INDICATORS AND VANDAL RESISTANT SCREWS – ADJUSTABLE TEMPERATURE THERMOSTATIC MIXING VALVE 104451
JS-1	JANITOR MOP SERVICE BASIN	**ZURN Z5850 CORNER FLOOR SINK:** • NOMINAL DIMENSIONS OF 28" X 28" X 8" • ENAMELED CAST IRON CONSTRUCTION • STAINLESS STEEL STRAINER AND DRAIN SEDIMENT BUCKET • SPLASH CATCHER PANELS OF 20 GA. TYPE 304 STAINLESS STEEL 24" HIGH ABOVE TOP EDGE OF BASIN ON ADJACENT WALL(S) **SPEAKMAN SC-5812 COMMANDER SERVICE SINK FAUCET** : • POLISHED CHROME PLATED CAST BRASS CONSTRUCTION • 3/4" HOSE THREAD WITH BRASS VACUUM BREAKER & PAIL HOOK • VANDAL-RESISTANT 4" WRIST BLADE STYLE HANDLES WITH HOT AND COLD COLOR INDICATORS - 1/4 TURN CERAMIC CARTRIDGES • BRASS TOP BRACE ASSEMBLY WITH WALL FLANGE AND MOUNTING SCREWS • 1/2"-14 NPT FEMALE INLETS
DW	DISHWASHER CONNECTION	PROVIDE $\frac{1}{2}$" DHW CONNECTION TO DISHWASHER. PROVIDE DRAIN CONNECTION TO ADJACENT SINK P-TRAP AS PER MANUFACTURERS INSTALLATION INSTRUCTIONS.
WMV	WASHING MACHINE CONECTION BOX	**ZURN WMV2961-34 WASHING MACHINE VALVE -** ENCASED C/W SINGLE HANDLE LEVER VALVE, HEAVY DUTY MOUNTING STRAPS, KNOCKOUTS FOR RIGHT OR LEFT MOUNTING, 1-1/2" X 2 TAILPIECE FOR DRAIN CONNECTION
SH-1	SHOWER / SHOWER DRAIN	**SHOWER: MIROLIN MADISON 5 MODEL #SH51LR 1 PIECE SHOWER** - SIZE: 60" X 33-1/4" X 88" - 1 PIECE SHOWER STALL WITH 4 SHELVES - CONTRACTOR TO DETERMINE LEFT OR RIGHT CONFIGURATION BASED ON PLUMBING ROUGH - INS - VACUUM FORMED ACRYLIC REINFORCED WITH FIBERGLASS - SCRATCH, STAIN AND FADE RESISTANT HIGH GLOSS FINISH - STAINLESS STEEL GRAB BAR 1-1/4" DIAMETER POWDER COATED WHITE AMD FACTORY INSTALLED WITH CONCEALED MOUNTING - FD-2 CHROME DRAIN INCLUDED - BUILT IN 1" TILE FLANGE ON 3-SIDE - DOME LIGHT INCLUDED - DIV. 26 TO PROVIDE 120V POWER CONNECTION - CURTAIN ROD INCLUDED - SHOWER VALVE + SUPPLIES: DELTA MODEL #T1322-CDN SERIES INDIVIDUAL BUILT-IN SHOWER WITH CONCEALED SUPPLIES C/W - MONITOR 13 SERIES PRESSURE BALANCED BATH MIXING VALVE WITH SCALD-GUARD. VALVE SHALL BE CERTIFIED TO ASME A112.18.1 / CSA B125.1 & ASSE 1016 - TOUCH-CLEAN SHOWERHEAD (RP38357) - CHROME PLATED BRASS ARM WITH STAINLESS STEEL WALL FLANGE
SH-2	SHOWER / SHOWER DRAIN (BARRIER FREE)	**SHOWER: DELTA MODEL #T13H332** UNIVERSAL DUAL SHOWER TRIM DIVERTER HAND SHOWER AND GRAB BAR, BUILT-IN SHOWER WITH CONCEALED SUPPLIES C/W THERMOSTATIC MIXING VALVE, HAND SHOWER SYSTEM WITH 36" CHROME ADA WALL GRAB BAR WITH 60" FLEXIBLE HOSE. VOLUME CONTROL. THERMOSTATIC WATER MIXING VALVE SHALL CONSIST OF A PISTON CONTROL MECHANISM WITH POSITIVE SHUT-OFF OF HOT WATER WHEN COLD SUPPLY IS LOST. CONSTRUCTION SHALL BE BRONZE BODY AND CAP WITH CORROSION RESISTANT COMPONENTS. VALVE SHALL BE CERTIFIED TO ASSE 1016, TYPE T. THERMOSTATIC VALVE SHALL BE BRADLEY MODEL S59-2005. • FAUCET: •• CHROME PLATE METAL CONSTRUCTION. •• PRESSURE BALANCING CYCLE VALVE DESIGN WITH 1/4 TURN STOPS. •• HAND HELD SHOWER INCLUDES 36" ADA WALL GRAB BAR, VACUUM BREAKER, 60" METAL HOSE AND HARDWARE. • OPERATION: •• LEVER STYLE HANDLE WITH TEMPERATURE INDICATOR ON THE ESCUTCHEON. •• HANDLE OPERATES COUNTERCLOCKWISE THROUGH A 270° ARC WITH OFF AT 6 O'CLOCK, AND MAXIMUM HOT AT THE 9 O'CLOCK POSITION. •• ADJUSTABLE TEMPERATURE LIMIT STOP TO RESTRICT THE HANDLE TRAVEL IN THE HOT DIRECTION. •• PRESSURE BALANCING MECHANISM MAINTAINS SELECTED DISCHARGE TEMPERATURE TO ± 2°. • FLOW: 1.5 GPM (5.7 L/MIN) HAND-HELD SHOWER HEAD. • 1222 CARTRIDGE DESIGN WITH NONMETALLIC/NONFERROUS AND STAINLESS STEEL MATERIALS. **SHOWER DRAIN**: PRE-FABRICATED SHOWER BASE AS SPECIFIED IN ARCHITECTURAL SECTION 09 30 13 - CERAMIC TILING. PROVIDED C/W 3"Ø SHOWER DRAIN WITH PERFORATED ARCHITECTURAL GRATE (NOMINAL SIZE 6x6" [150 x 150mm]), HEIGHT ADJUSTMENT COLLAR AND LATERAL ADJUSTMENT RING. SEE SPECIFICATION FOR DETAILS.
RD-1	ROOF DRAIN	• PROVIDE LARGE AREA ROOF DRAIN WITH SUMP RECEIVER, ADJUSTABLE EXTENSION, AND CLAMP TO SUITE THE ROOF ASSEMBLY. • LARGE AREA ROOF DRAIN WITH SUMP RECEIVER, ADJUSTABLE EXTENSION, AND CLAMP. • 4" DIA., CONNECTION TO SUITE, ACCUTROL WEIR, ALUMINUM DOME, MEMBRANE CLAMP TO SUITE, EXTENSION TO SUITE. • EQUAL TO WATTS MODEL RDF-100-BED
HB-1	COLD WATER HOSE BIBB	**ZURN COLD WATER LEAD FREE WALL HYDRANT MODEL #Z1341XL**
HB-2	HOT & COLD WATER HOSE BIBB	**ZURN MODEL #Z1996-SF SERVICE SINK FAUCET** - CHROME PLATED SERVICE FAUCET, C/W VACUUM BREAKER, INTEGRAL STOPS, ADJUSTABLE WALL BRACE, PAIL HOOK, FOUR-ARM HOT AND COLD HANDLE AND 3/4" HOSE THREAD ON SPOUT. 1/2" WATER INLETS, ECCENTRIC 8" CENTERS.
HB-3	VEHICLE FILL HOSE BIBB	1-1/2" CAMLOCK FITTING C/W ISOLATION VALVE THROUGH EXTERIOR WALL.
NFHB-1	NON-FREEZE COLD WATER HOSE BIBB	**ZURN ENCASED WALL HYDRANT, NON-FREEZE MODEL #Z-1305:** C/W SS BOX, HINGED LOCKING COVER AND VACUUM BREAKER.
FD-1	3" FLOOR DRAIN - ROUND	**MIFAB FLOOR DRAIN WITH HEAVY DUTY STAINLESS STEEL ROUND STRAINER, MODEL #F1000-3:** C/W 150mm STRAINER, 80mm PIPE, 15mm TRAP SEAL PRIMER, COORDINATE FLOOR DRAIN TYPE TO CORRESPOND WITH FLOOR TYPE. REFER TO ROOM FINISH SCHEDULE. PROVIDE MEMBRANE CLAMP FOR MEMBRANE FLOORS WHERE REQUIRED.
TSP-1	MULTIPLE TRAP - TRAP SEAL PRIMER	**MIFAB PRESSURE DROP ACTIVATED TRAP SEAL PRIMER MODEL #M1-500:** C/W WITH DISTRIBUTION MANIFOLD TO SERVE UP TO 10 TRAPS.
CO	CLEANOUTS	**ZURN ZN-1602 FLOOR CLEANOUTS / ZURN Z1441 WALL CLEANOUTS** . COORDINATE CLEANOUT TYPE TO CORRESPOND WITH FLOOR TYPE.
FFD	FUNNEL FLOOR DRAIN	**MIFAB F1100-C-EG-1 FUNNEL FLOOR DRAIN (ROUND):** • NICKEL BRONZE ROUND STRAINER, OVAL OPEN THROAT FUNNEL. 5" STRAINER, 3" PIPE, 1/2" TRAP SEAL PRIMER **COORDINATE FLOOR DRAIN TYPE TO CORRESPOND WITH FLOOR TYPE. REFER TO ROOM FINISH SCHEDULE. PROVIDE MEMBRANE CLAMP FOR MEMBRANE FLOORS WHERE REQUIRED. STANDARD OF ACCEPTANCE: MIFAB, ZURN
CB-1	CATCH BASIN	**ACO DRAIN FG680 CATCH BASIN:** C/W STAINLESS STEEL FRAME AND BOLTED GRATING. MODEL # F880 24" x 24". CATCH BASIN BODIES SHALL BE MANUFACTURED FROM FIBERGLASS, WITH MINIMUM PROPERTIES AS FOLLOWS: • COMPRESSIVE STRENGTH: 24,400 PSI, FLEXURAL STRENGTH: 9,943 PSI, WATER ABSORPTION: 0.33%, FROST PROOF, SALT PROOF. DILUTE ACID AND ALKALI RESISTANT. • THE NOMINAL CLEAR OPENING SHALL BE 23.17" WIDE BY 23.56" LONG WITH OVERALL WIDTH OF 27.36" WIDE BY 24.43" LONG. PRECAST UNITS SHALL HAVE A WALL THICKNESS OF AT LEAST 0.125". • DUCTILE IRON SLOTTED GRATE LOAD CLASS F. • CONTRACTOR TO PROVIDE A DOWNTURN TEE IN CATCH BASIN FOR OUTLET CONNECTION AND CLEANOUT.
TD	SLOPED TRENCH DRAIN - 108"	**ACO DRAIN FG200:** SURFACE DRAINAGE SYSTEM C/W STAINLESS STEEL FRAME & BOLTED GRATING. MODEL # F802 SLOPED CHANNEL - 96" TRENCH SYSTEM BODIES SHALL BE MANUFACTURED FROM FIBERGLASS, WITH MINIMUM PROPERTIES AS FOLLOWS: • COMPRESSIVE STRENGTH: 24,400 PSI, FLEXURAL STRENGTH: 9,943 PSI, WATER ABSORPTION: 0.33% FROST PROOF, SALT PROOF, DILUTE ACID AND ALKALI RESISTANT. •PRE-CAST UNITS SHALL BE MANUFACTURED WITH AN INVERT SLOPE OF 1.0% **ACO MODEL #F108 - SLOPED CHANNEL - 108"** (PART NO. 99013). INVERT DEPTH - 7.88 - 9.00 INCHES •THE NOMINAL CLEAR OPENING SHALL BE 8" WITH OVERALL WIDTH OF 10.63". PRECAST UNITS SHALL BE MANUFACTURED WITH A WALL THICKNESS OF AT LEAST 0.125". UNIT SHALL HAVE A FULL 'V' PROFILE IN THE TRENCH BOTTOM AND A 2" MALE TO FEMALE INTERCONNECTING END PROFILE. • DUCTILE IRON SLOTTED GRATE LOAD CLASS F. * STANDARD OF ACCEPTANCE: ACO DRAINS, ZURN, ULMA MULTIV+200, WATTS
HR-1	50' HEAVY DUTY WATER HOSE REEL	**REELCRAFT SERIES 7000 HEAVY DUTY SPRING RETRACTABLE WATER HOSE REEL MODEL #7850OLP121:** C/W 50' - $\frac{3}{4}$" I.D. HOSE, + WALL MOUNTING KIT. PROVIDE ZURN SERVICE SINK FAUCET MODEL #Z1996-SF, C/W VACUUM BREAKER + HOSE TO INLET OF HOSE REEL
HR-2	50' HEAVY DUTY COMPRESSED AIR HOSE REEL	**REELCRAFT SERIES 7000 HEAVY DUTY SPRING RETRACTABLE COMPRESSED AIR HOSE REEL MODEL #7850OLP121:** C/W 50' - $\frac{3}{4}$" I.D. HOSE + WALL MOUNT KIT. PROVIDE $\frac{1}{4}$" REGULATOR + FILTER AND BALL VALVE AND CONNECTION HOSE TO HOSE REEL INLET.
OI-1	OIL/SEDIMENT INTERCEPTOR	**GREEN TURTLE TECHNOLOGIES PROCEPTOR OMC 750:** · ELLIPTICAL FIBERGLASS CONSTRUCTION · INCLUDE ACCESSWAYS, CELLS OR BAFFLES, AND PIPING OR OPENINGS · ACCESSWAY EXTENSION COLLAR: FIBERGLASS RISERS (ECZ) COORDINATE WITH FINAL INVERTS AND CONFIRM LENGTH ON-SITE · ACCESSWAY FRAMES AND COVERS: ROUND COVER WITH NON SLIP COVER FINISH, GASKETED AND NON VENTED TOP DESIGN · PROCEPTOR LETTERING CAST INTO COVER · CAST IRON: AASHTO M306 TRAFFIC LOAD RATED. 24" DIAMETER COVER WITH 1/4" GASKET · OIL RETENTION CAPACITY: 410 USG · INLET AND OUTLET PIPE SIZE: 4" - VENT PIPE SIZE: 3" · 4" TOP SUCTION PORT FOR REMOTE PUMP-OUT · ALARM FOR HIGH OIL ACCUMULATION · INCLUDES ALARM PROBE TO BE INSTALLED IN TOP OF TANK ACCESSWAY AND ALARM PANEL WITH BUZZER AND LIGHT FOR INDOOR WALL MOUNT

CIRCULATING PUMPS

TAG	DESCRIPTION	LOCATION	MANUFACTURER	TYPE OF PUMP	MODEL NUMBER	FLUID	FLOW [GPM (L/S)]	PRESSURE [FT. HEAD (KPA)]	HP	WATTS POWER	V/PH/HZ	EFFICIENCY (%)	OPTIONS
P-1, P-2	DOMESTIC HOT WATER RECIRC	MECHANICAL SERVICE ROOM	TACO	CATRIDRIDGE RECIRCULATOR	006-IFC	WATER	3.2 (0.2)	14.94	1/40		115/1/60		

NOTES
1. ALL MOTORS SHALL BE PREMIUM EFFICIENCY AND INVERTER DUTY/VFD RATED MOTORS.
2. PROVIDE SUCTION DIFFUSER FOR PUMPS FOR FIELD INSTALLATION BY MECHANICAL CONTRACTOR.
3. REFER TO DIVISION 26 SPECIFICATION SECTION 26 60 00 POWERED EQUIPMENT SCHEDULE FOR SCOPE OF WORK RELATED TO SUPPLY AND INSTALL OF STARTERS, DISCONNECTS, CONTROLS, ETC.

ELECTRICAL HEAT TRACING SCHEDULE

TAG	LOCATION	POWER SUPPLY & CONTROLLER LOCATION	MAKE / MODEL	APPROX. HEATING CABLE LENGTH	HEAT OUTPUT (W / FT)	V / C / P	FLA	CIRCUIT BREAKER SIZE	REMARKS
HT-01	SOUTH SERVICE GARAGE	SERVICE GARAGE (WALL MOUNTED)	RAYCHEM / ICESTOP GM-2X	- TOTAL LENGTH = 306 FT. - CABLE LENGTH FOR IN-GUTTER = 188 FT. (TWO RUNS OF 84 FT. - CABLE LENGTH FOR DOWNSPOUTS = 90 FT. (TWO x 22.5 FT. IN RAIN WATER LEADER DOWN TO TERMINATION LOOPED) - CABLE LENGTH FOR CONNECTION KITS = 3 FT. - EXTRA HEATING CABLE LENGTH = 25 FT.	12	208 / 60 / 1	~32.2	40A, 1P	C/W: - RAYCHEM ICESTOP SELF REGULATING HEATING CABLES 12V, MODIFIED POLYOLEFIN JACKET - RAYCLIC-PC POWER CONNECTION AND ENDSEAL. - GF-PRO - SINGLE CIRCUIT SNOW / ICE MELTING SYSTEM CONTROLLER WITH GFPE. - SNOW OWL AERIAL MOUNTED SNOW SENSOR FOR USE IN CONJUNCTION WITH SNOW CONTROLLER. - GIT-1 GUTTER MOUNTED SNOW SENSOR FOR USE IN CONJUNCTION WITH SNOW CONTROLLER. - GMK-RAKE DOWNSPOUNT HANGER BRACKET(S).
HT-02	SOUTH SERVICE GARAGE / REPAIR AREA	SERVICE GARAGE (WALL MOUNTED)	RAYCHEM / ICESTOP GM-2X	- TOTAL LENGTH = 303 FT. - CABLE LENGTH FOR IN-GUTTER = 140 FT. (TWO RUNS OF 70 FT. - CABLE LENGTH FOR DOWNSPOUTS = 135 FT. (THREE x 22.5 FT. IN RAIN WATER LEADER DOWN TO TERMINATION LOOPED) - CABLE LENGTH FOR CONNECTION KITS = 3 FT. - EXTRA HEATING CABLE LENGTH = 25 FT.	12	208 / 60 / 1	~31.6	40A, 1P	
HT-03	NORTH SERVICE GARAGE	SERVICE GARAGE (WALL MOUNTED)	RAYCHEM / ICESTOP GM-2X	- TOTAL LENGTH = 306 FT. - CABLE LENGTH FOR IN-GUTTER = 188 FT. (TWO RUNS OF 84 FT. - CABLE LENGTH FOR DOWNSPOUTS = 90 FT. (TWO x 22.5 FT. IN RAIN WATER LEADER DOWN TO TERMINATION LOOPED) - CABLE LENGTH FOR CONNECTION KITS = 3 FT. - EXTRA HEATING CABLE LENGTH = 25 FT.	12	208 / 60 / 1	~32.2	40A, 1P	
HT-04	SOUTH SERVICE GARAGE	SERVICE GARAGE (WALL MOUNTED)	RAYCHEM / ICESTOP GM-2X	- TOTAL LENGTH = 303 FT. - CABLE LENGTH FOR IN-GUTTER = 140 FT. (TWO RUNS OF 70 FT. - CABLE LENGTH FOR DOWNSPOUTS = 135 FT. (THREE x 22.5 FT. IN RAIN WATER LEADER DOWN TO TERMINATION LOOPED) - CABLE LENGTH FOR CONNECTION KITS = 3 FT. - EXTRA HEATING CABLE LENGTH = 25 FT.	12	208 / 60 / 1	~31.6	40A, 1P	

NOTES
1. HEATING CABLE LENGTHS ARE APPROXIMATE. FIELD MEASURE LENGTH PRIOR TO ORDERING.
2. HEATING CABLES & EQUIPMENT SUPPLIED BY DIV. 22 AND INSTALLED BY DIV. 26.
3. REFER TO MECHANICAL DWGS. M120 FOR LOCATIONS AND INSTALLATION DETAILS.
4. REFER TO ELECTRICAL DWG. E201 FOR CONTROLLER LOCATIONS AND WIRING DETAILS.

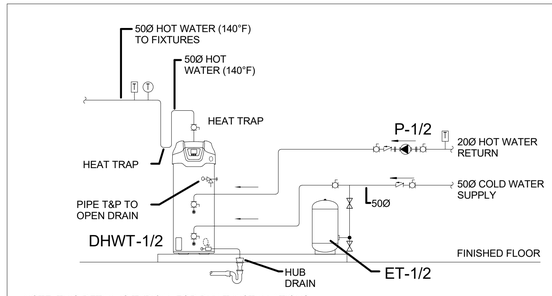
EXPANSION TANK

TAG	ET-1/ET-2
SERVICE	DHW
FLUID	WATER
MANUFACTURER	CALIFACTIO
MODEL	FTTE-8
TANK VOLUME [GAL(L)]	3.2(12)
DIMENSIONS DIAMETERxHEIGHT [IN/MM)]	10.6x14.3(270x365)
WEIGHT [LBS(KG)]	9.3(4.2)
MAX. OPERATION [PSI,°F(KPA,°C)]	150, 200(1034, 93)
NOTES	1. FULL ACCEPTANCE, THERMAL, FLOW THROUGH EXPANSION TANK FOR USE IN POTABLE WATER SYSTEMS. 2. CSA, NSF / ANSI 61 & 372 RATED.

DOMESTIC HOT WATER TANK SCHEDULE

TAG	DHWT-1	DHWT-2
LOCATION	MECH SERVICES 122	MECHANICAL SERVICES 141
MAKE/MODEL	A.O. SMITH CYCLONE FLEX BTH-100	A.O. SMITH CYCLONE FLEX BTH-100
FUEL TYPE	NATURAL GAS - 95% EFF.	NATURAL GAS - 95% EFF.
INPUT RATING [MBH(KW)]	100 (29.3)	100 (29.3)
STORAGE CAPACITY [GAL(L)]	60 (227)	60 (227)
SIZE (DIAMETER X HEIGHT) [IN(mm)]	27.75x55.5 (705x1410)	27.75x55.5 (705x1410)
ELECTRICAL SUPPLY (V/Ph/Hz)	120/1/60	120/1/60
FIRST HOUR RATING [GPH(LPH)]	157(594)	157(594)
REMARKS	-	-

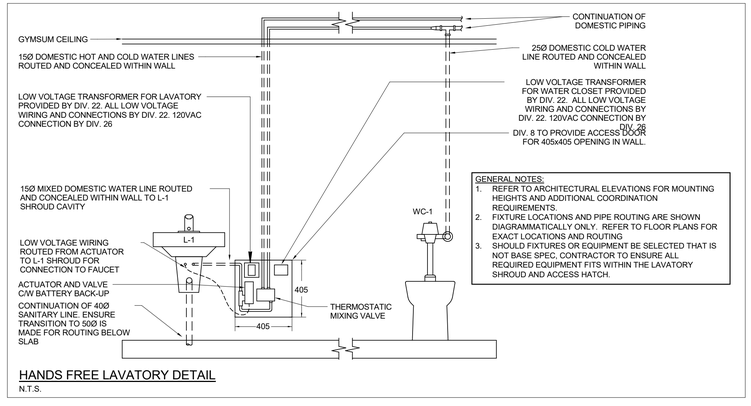
NOTES:
1. STANDARD OF ACCEPTANCE: A.O. SMITH, RHEEM
2. HOT WATER TANK TO BE PROVIDED WITH CONCENTRIC VENT KIT. INSTALL VENTING IN ACCORDANCE W/ MANUFACTURERS INSTRUCTIONS.
3. UNITS TO COME COMPLETE WITH CORD AND PLUG CONNECT END FOR DIRECT CONNECTION TO RECEPTACLE TO BE SUPPLIED/INSTALLED BY DIV. 26; REFER TO SECTION 26 60 00a FOR DETAILS.
4. PROVIDE CONDENSATE NEUTRALIZER KIT AND ICOMM WIFI CONTROLLER



NOTE: THIS DETAIL IS TYPICAL FOR DHWT INSTALLATIONS

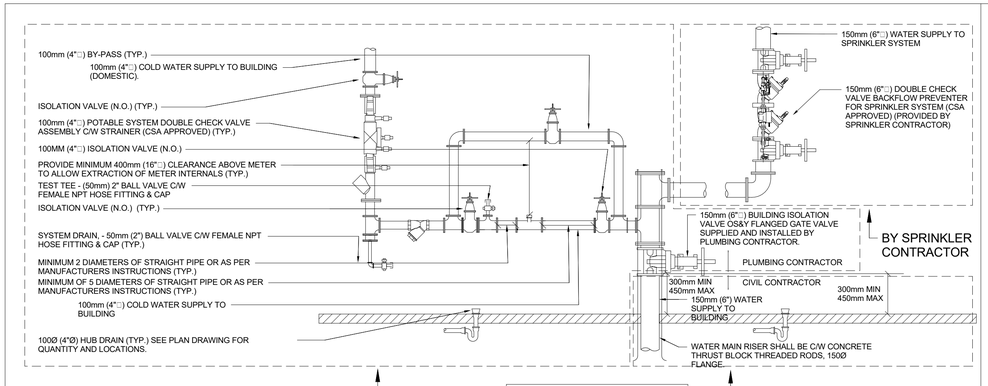
DOMESTIC HOT WATER TANK DETAIL

N.T.S.



HANDS FREE LAVATORY DETAIL

N.T.S.



WS-1 / M210 Incoming Water Service and Meter Installation

NOTES:

1. ALL PLUMBING INSTALLED WILL BE IN ACCORDANCE WITH THE ONTARIO BUILDING CODE.
2. ALL WATER METER INSTALLATIONS SHALL CONFORM WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
3. METER TO BE SUPPLIED AND INSTALLED BY PLUMBING CONTRACTOR, SUBJECT TO CONSULTANT AND UTILITY PROVIDER APPROVAL.
4. METER TO BE NEPTUNE HIGH PERFORMANCE TURBINE METER (PROVIDE SHOP DRAWINGS TO CONSULTANT FOR REVIEW):
   4.1. METER SHALL BE OF THE IN-LINE HORIZONTAL-AXIS TYPE PER AWWA CLASS II. METER AND STRAINER ASSEMBLIES SHALL BE BOTH UNDERWRITERS LABORATORY (UL) LISTED AND FACTORY MUTUAL (FM) APPROVED. METERS SHALL BE CERTIFIED TO NSF/ANSI 61 AND NSF/ANSI 372 REQUIREMENTS.
   4.2. METER SIZE: 100mm (4"□)
   4.3. MAKE: AQUAMASTER
   4.4. MODEL: MM/GAG100ADCOEUB02003000
5. INSTALLATION REQUIRING A METER BY-PASS OR AN ALTERNATIVE ARRANGEMENT OF PIPING AND VALVING MUST HAVE APPROVAL OF THE WATERWORKS METER SECTION PRIOR TO INSTALLATION.
6. THE BY-PASS, INLET AND OUTLET VALVES SHALL BE SOLID WEDGE, RISING SPINDLE (OS & Y) FLANGED GATE VALVE ULC LISTED OR AS APPROVED BY CITY ENGINEER.
7. BUILDING ISOLATION VALVE SHALL BE ADEQUATELY ANCHORED.
8. ADEQUATE ANCHORAGE MUST BE PROVIDED AT ALL BENDS.
9. ALTERNATIVE FOR BY-PASS COULD BE AT SIDE OF METER (VALVE ARRANGEMENT REMAIN THE SAME.)
10. WATERWORKS WILL NOT TURN ON WATER UNLESS ANCHOR DETAILS HAVE BEEN INSPECTED BY THE WATERWORKS INSPECTOR PRIOR TO PLACEMENT OF CONCRETE AND/OR BACKFILL.
11. THE TYPE OF VALVE REQUIRED FOR THE BUILDING ISOLATION VALVE SHALL BE THE FOLLOWING:
    A. OS&Y FLANGED GATE VALVE SUPPLIED AND INSTALLED BY PLUMBING CONTRACTOR.
12. METER TO BE SUPPLIED BY THE CONTRACTOR SUBJECT TO CONSULTANT AND UTILITY SERVICE PROVIDER APPROVAL & INSTALLED BY THE CONTRACTOR.
13. FIRE HYDRANT SYSTEM BACKFLOW PREVENTER SHALL BE CSA APPROVED WATTS SERIES 709DCDA DOUBLE CHECK DETECTOR ASSEMBLY OR APPROVED EQUAL. SUPPLIED AND INSTALLED BY PLUMBING CONTRACTOR.
14. SPRINKLER SYSTEM BACKFLOW PREVENTER SHALL BE CSA APPROVED WATTS SERIES 709DCDA DOUBLE CHECK DETECTOR ASSEMBLY OR APPROVED EQUAL. SUPPLIED AND INSTALLED BY SPRINKLER CONTRACTOR.
15. POTABLE WATER SYSTEM BACKFLOW PREVENTER SHALL BE CSA APPROVED WATTS SERIES 007 DOUBLE CHECK VALVE ASSEMBLY C/W STRAINER ASSEMBLY (OR APPROVED EQUAL) (PROVIDED BY DIVISION 22).
16. GENERAL CONTRACTOR TO COORDINATE APPLICATION FOR NEW WATER SERVICE WITH MUNICIPAL WATER SERVICE.
17. REFER TO UTILITY COMPANY STANDARD INSTALLATION DRAWING WATER METER INSTALLATION CLEARANCE REQUIREMENTS FOR LARGE METERS (LATEST REVISION).

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

LICENSED PROFESSION

ERV SCHEDULE

TAG		ERV-1
MANUFACTURER		RENEWAIRE
MODEL		HE10-JINV-S15AA---GN3---L
UNIT LENGTH [IN(mm)]		37.6(955)
UNIT WIDTH [IN (mm)]		22(560)
UNIT HEIGHT [IN (mm)]		49.5(1257)
WEIGHT [LBS (KG)]		195(88.5)
TOTAL AIRFLOW [CFM (L/S)]		800(380)
OUTSIDE AIR [CFM (L/S)]		800(380)
FAN HP	SUPPLY	425(W)
	EXHAUST	406(W)
ENERGY RECOVERY		COUNTER FLOW HEAT EXCHANGER
RECOVERY EFFICIENCY (% - WINTER / SUMMER)		68.2 / 50.2
OA / EA FILTERS		2" MERV 8
SA FILTER		-
EXTERNAL SP (IN. WC)		1
V/Ph/Hz		208/1/60
UNIT MCA / MOCP		11.3/15

NOTES
1. FRAMELESS UNIT CONSTRUCTION WITH 50mm INSULATED PANELS, TOP DISCHARGE, FRONT ACCESS DOORS.
2. FANS SHALL BE PREMIUM EFFICIENCY, C/W DIRECT DRIVE ECM MOTORS WITH VARIABLE SPEED CONTROL, 0-10V.
3. LOCAL DISCONNECT SWITCHES SUPPLIED BY DIV. 23 AND INSTALLED BY DIV. 26; REFER TO SECTION 26 60 00a.
4. ERV TO BE COMPLETE WITH BACNET ENABLED CONTROLLER. REFER TO CONTROLS SCHEMATIC ON M600 FOR CONTROL POINTS.
5. STANDARD OF ACCEPTANCE: RENEWAIR, OXYGEN8, SYSTEMAIR

CONDENSING UNIT SCHEDULE

OUTDOOR UNIT	CU-1	CU-2
SERVICE	EV-1	EV-2a/b
MAKE/MODEL	DAIKIN RKF09BVJU9	DAIKIN 3MXM24AVJU9
COOLING CAPACITY [MBH(kW)]	9(2.6)	23 (6.75)
HEATING CAPACITY [MBH(kW)]	-	-
REFRIGERANT	R32	R32
V/Ph/Hz	208 / 1 / 60	208 / 1 / 60
MCA	11.6	19.9
MOCP	15	25
DIMENSIONS (L x H x W) [IN(mm)]	26-9/16 x 21-15/16 x 11-3/16 (675 x 560 x 285)	34-1/4 x 29-1/2 x 12-5/8 (870 x 750 x 320)
WEIGHT [LBS(KG)]	71 (32)	140 (64)

NOTES
1. REFER TO MECHANICAL DWGS FOR LOCATIONS OF OUTDOOR UNITS.
2. PROVIDE UNIT CONTROLS C/W BACNET IP INTERFACE FOR INTEGRATION WITH BAS AND LOCAL THERMOSTATS
3. OUTDOOR UNITS TO BE PROVIDED C/W DRAIN PAN HEATER
4. C/W LOW AMBIENT KIT TO ENABLE COOLING DOWN TO -40° AND WIND BAFFLES
4. INCLUDE MOUNTING SUPPORT STAND WITH RUBBER VIBRATION ISOLATORS
5. STANDARD OF ACCEPTANCE: DAIKIN, LG, MITSUBISHI, HITACHI

AIR CONDITIONING UNIT SCHEDULES

INDOOR UNIT	EV-1	EV-2a/EV-2b
SERVICE	IT ROOM	REFER TO DRAWINGS
STYLE	WALL HUNG UNIT	WALL HUNG UNIT
MAKE/MODEL	DAIKIN FTKF09BVJU9	DAIKIN FTXV12AVJU9
MAX AIRFLOW [CFM(L/s)]	381(180)	392(185)
SOUND (dBA)	19-44	19-45
HEATING CAPACITY [MBH(kW)]	-	-
COOLING CAPACITY [MBH(kW)]	9(2.6)	12 (3.52)
ELECTRICAL - V/P/Hz	208/1/60	208/1/60
DIMENSIONS - W x H x D [IN(mm)]	30.9x11.4x10 (785x290x250)	30.3x11.25x8.75 (770x285x225)
WEIGHT [LBS(KG)]	20(9.1)	20(9.1)
SEER/EER	21 / 12.5	-
REFRIGERATION CONNECTIONS LIQUID/VAPOUR(in.)	1/4" / 3/8"	1/4" / 3/8"

NOTES
1. PROVIDE UNIT CONTROLS C/W LOCAL SPACE CONTROLLER PER ZONE AND BACNET IP INTERFACE FOR INTEGRATION WITH BAS.
2. SYSTEM TO BE PROVIDED C/W ISOLATION HANGERS, ALL PIPING, JOINTS, ISOLATION VALVES, CONNECTORS, STRAINERS ETC .
3. INCLUDE FOR ADDITIONAL REFRIGERANT R32 AS REQUIRED BASED ON PIPE LENGTH AND MANUFACTURERS CALCULATED CHARGE REQUIREMENTS.
4. STANDARD OF ACCEPTANCE: DAIKIN, MOOVAIR, HITACHI, LG, MITSUBISHI

CEILING FAN SCHEDULE

TAG	CF-1
LOCATION	SERVICE GARAGE, WASH BAY, REPAIR GARAGE
TYPE	60" INDUSTRIAL STYLE LOOSE WIRE FAN
MAKE / MODEL	CANARM / CP60DW11N
CFM / CFM/WATT	8944 / 259
WEIGHT	8.4 Kg
V/Ph/Hz	120/1/60

NOTES:
- CSA RATED FAN - 5 SPEEDS W/ FORWARD / REVERSE. 10 YEAR MOTOR WARRANTY
- PROVIDE EXTENSION SHAFT TO MATCH HEIGHT OF LIGHTS IN LOCATIONS SPECIFIED
- PROVIDE WALL MOUNTED FAN SPEED CONTROLLER, FOR LOCAL CONTROL - 1 CONTROLLER PER SPACE.

ROOFTOP UNIT SCHEDULE

TAG	AHU-1
TYPE	ROOF MOUNTED
LOCATION / SERVICE	OFFICE ROOF / OFFICE BUILDING
MAKE / MODEL	DAIKIN REBEL - DPSC10B
UNIT DIMENSIONS L x W x H [IN (mm)]	101.6 x 73.4 x 85.9 + 24" ROOF CURB (2580 x 1865 x 2182 + 610 ROOF CURB)
WEIGHT [LBS (KG)]	2280 (1035)
TOTAL AIRFLOW [CFM(L/s)]	4000 (1890)
OUTSIDE AIR [CFM(L/s)]	700 (330)
EXTERNAL SP [IN. WC(Pa)]	0.5(125)
COOLING TYPE	DX COOLING
COOLING TOTAL/SENSIBLE [MBH(kW)]	123.2 / 99.5 (36.1 / 29.2)
COOLING CAPACITY CONTROL	MODULATING - INVERTER COMPRESSOR
HEAT INPUT / OUTPUT [MBH(kW)]	200 / 162 (58.6 / 47.5)
HEATING STAGES	MODULATING - 10:1 TURNDOWN
FAN BHP/ RATED HP	1.66 / 2.4
V/Ph/Hz	575 / 3 / 60
MCA/MOCP	25.4/35
FINAL FILTER	2" MERV 8
A-WEIGHTED DISCHARGE SOUND (DB)	
ARI EER RATING	11.8

NOTES:
AHU SHALL BE C/W:
- VAV CONTROLLER WITH ONBOARD VFD
- LOW LEAK ENTHALPY ECONOMIZER WITH POWER EXHAUST
- AL/CU - AL/CU COILS
- FLUE DISCHARGE DEFLECTOR
- INSULATED 610mm ROOF CURB
- HINGED ACCESS PANELS

AHU CONTROLS
- INCLUDE INTEGRAL UNIT CONTROLLER AND SENSORS AS REQUIRE TO ALLOW FOR STAND ALONE UNIT OPERATIONS (FAN MODE, HEATING, COOLING, DEHUMIDIFICATION, FAN SPEED CONTROL, ENTHALPY ECONOMIZER MODE, CO2 VENTILATION CONTROL)
- PROVIDE BACNET IP INTERFACE FOR CONNECTION TO BAS SYSTEM FOR MONITORING AND INPUTS AS NOTED ON THE CONTROLS SCHEMATICS TO ACHIEVE THE SEQUENCE OF OPERATIONS

ELECTRICAL CONNECTIONS AS FOLLOWS:
- SINGLE POINT ELECTRICAL CONNECTION C/W LOCAL NON-FUSED DISCONNECT
- CONVENIENCE RECEPTACLE WITH IN-USE WEATHER PROOF COVER ON EXTERIOR OF ENCLOSURE ON SEPARATE 20A DEDICATED CIRCUIT FOR CONNECTION BY DIVISION 26.
- THROUGH-THE-BASE CONNECTIONS (ELECTRICAL).

STANDARD OF ACCEPTANCE: YORK, CARRIER, DAIKIN, TRANE, LENNOX, AAON

MAKE UP AIR UNIT SCHEDULE

TAG	MUA-1	MUA-2
LOCATION	SERVICE RM 203	SERVICE RM 203
MANUFACTURER	MODINE	MODINE
MODEL	DBS960TMRLN93G4LJ2	DBS500TMRLN93G3JE2 BDA00
UNIT LENGTH x WIDTH x HEIGHT [IN(mm)]	203.7 x 57.4 x 43.2 (5175 x 1460 x 1100)	162.6 x 46 x 43.2 (4130 x 1170 x 1100)
WEIGHT [LBS(kg)]	1992(904)	1258(571)
TOTAL AIRFLOW [CFM(L/s)]	10,000(4720)	4000(1890)
EXTERNAL / TOTAL SP [IN.WC(PA)]	0.5 / 0.64 (125 / 160)	0.5 / 0.57 (125 / 142)
FAN HP / BHP	10 / 7.46	1.5 / 1.18
HEAT INPUT / OUTPUT [MBH(kW)]	1200 / 972 (351.7 / 284.9)	500 / 405 (146.5 / 118.7)
HEATING EAT / LAT (°C)	-27 / 20	-27 / 20
COOLING TOTAL / SENSIBLE (MBH)	-	-
COOLING EAT DB / WB (°C)	-	-
COOLING LAT DB / WB (°C)	-	-
HGR EAT / LAT DB (°C)	-	-
V / Ph / Hz	575 / 3 / 60	575 / 3 / 60
MCA / MOCP	15.5 / 26.5	4.0 / 6.4
DISCHARGE SOUND LEVEL (LWA)	-	-
UNIT EER RATING	-	-
FILTER	MERV8	MERV8

NOTES
UNITS SHALL BE C/W:
- 20 GAUGE EXTERIOR CASING, 25MM INSULATED CASING
- C-CHANNEL BASE FRAME WITH LUGS FOR HANGING
- OA DAMPER, LIFT OUT FILTER ACCESS, HINGED ACCESS DOORS FOR ALL COMPARTMENTS, COMBUSTION CONNECTIONS EXTENDED THROUGH UNIT FOR FIELD CONNECTION
- HIGH EFFICIENCY BI CORROSION RESISTANT FAN WITH ONBOARD VFD FOR SPEED CONTROL
- AL/CU - AL/CU COILS
- C.G.L CERTIFIED MODULATING GAS BURNER DOWN TO 13% FIRE C/W WITH ALL INTEGRAL SAFETIES

MAU CONTROLS
- ALL SENSORS AND SAFETY DEVICES REQUIRED FOR OPERATION SHALL BE PROVIDED AND FACTORY WIRED WITHIN THE UNIT
- ALL CONTROLS COMPONENTS WITHIN THE MUA & CU UNITS SHALL BE FACTORY WIRED TO A TERMINAL STRIP WITHIN THE UNITS FOR CONNECTION BY BAS

ELECTRICAL CONNECTIONS AS FOLLOWS:
- SINGLE POINT ELECTRICAL CONNECTION TO MUA'S C/W LOCAL NON-FUSED DISCONNECT

VOLUME BOX SCHEDULE

TAG	BASIS OF DESIGN	MODEL	MAX AIRFLOW (L/s)	INLET SIZE (mm)	OUTLET SIZE (mm)	OPTIONS / REMARKS
VB-2, VB-5, VB-8	NAILOR BYPASS TERMINAL UNIT	A34RE-6	75	150Ø	250 x 320	C/W 1.5 kW ELECTRIC REHEAT COIL 575/3/60 REFER TO DRAWINGS FOR AIRFLOWS
VB-3, VB-4, VB-6, VB-7	NAILOR BYPASS TERMINAL UNIT	A34RE-6	165	150Ø	250 x 320	C/W 2.5 kW ELECTRIC REHEAT COIL 575/3/60 REFER TO DRAWINGS FOR AIRFLOWS
VB-1	NAILOR BYPASS TERMINAL UNIT	A34RE-8	320	200Ø	305 x 320	C/W 4.5 kW ELECTRIC REHEAT COIL 575/3/60 REFER TO DRAWINGS FOR AIRFLOWS.
VB-10	NAILOR BYPASS TERMINAL UNIT	A3400-8	320	200Ø	355 x 320	REFER TO DRAWINGS FOR AIRFLOWS
VB-9,	NAILOR BYPASS TERMINAL UNIT	A3400-10	400	250Ø	355 x 320	REFER TO DRAWINGS FOR AIRFLOWS

NOTES
1. REFER TO M410 FOR QUANTITIES AND LOCATIONS AND AIRFLOWS FOR BALANCING
2. VAV C/W INTEGRAL 900MM DISCHARGE SILENCER, BOX AND SILENCER C/W INTERNAL 1" FIBERGLASS INSULATION WHICH MEETS NFPA 90A / UL181
3. PROVIDE NEMA 1 CONTROLS ENCLOSURE FOR CONTROLLER PROVIDED BY DIV. 25
4. ALL REHEAT COILS TO BE SCR CONTROL
5. STANDARD OF ACCEPTANCE: NAILOR, EH PRICE, METALAIRE

ELECTRIC HEATING COIL SCHEDULE

TAG	SERVICE	MAKE	STYLE	MODEL	AIR FLOW [CFM(L/s)]	W x H in. (mm)	CAPACITY (KW)	TEMP. RISE °F	V / Ph	I (A)	CTRL V	SIGNAL	STAGES	OPTIONS / REMARKS
RH-1	ERV REHEAT	NEPTRONIC	OPEN COIL ELEMENT HEATER	DF-CI00H	800 (380)	20 x 8" (510x200)	8	31.59	575/3	7.0300	24	MOD 0-10V	x1 (8kW / 7.03A)	AC - AUTOMATIC THERMAL CUTOUT CA - MAGNETIC CONTACTOR DS - DISCONNECT SWITCH HECM - NEPTRONIC CONTROLLER N1 - CONTROL PANEL TR - TRANSFORMER BLE - CONTROL BOX CGC - COIL GRADE C EAS - ELECTRONIC AIRFLOW SENSOR MC - MANUAL THERMAL CUTOUT SSR - SOLID-STATE RELAY (TRIAC) STC8-11 - DUCT MOUNTED TEMP SENSOR
RH-2	ERV PREHEAT	NEPTRONIC	OPEN COIL ELEMENT HEATER	DF-CI00H	800 (380)	20 x 8" (510x200)	7	27.65	575/3	8.0300	25	MOD 0-10V	x1 (7kW / 6.02A)	AC - AUTOMATIC THERMAL CUTOUT CA - MAGNETIC CONTACTOR DS - DISCONNECT SWITCH HECM - NEPTRONIC CONTROLLER N1 - CONTROL PANEL TR - TRANSFORMER BLE - CONTROL BOX CGC - COIL GRADE C EAS - ELECTRONIC AIRFLOW SENSOR MC - MANUAL THERMAL CUTOUT SSR - SOLID-STATE RELAY (TRIAC) STC8-11 - DUCT MOUNTED TEMP SENSOR

NOTES
1. PROVIDE FLANGE MOUNT CONNECTIONS COORDINATED W/ DUCT SIZE
2. PROVIDE SCR CONTROLLER TO ENABLE MODULATING CONTROL C/W ALL REQUIRED AIR FLOW SENSORS, MANUAL & AUTOMATIC CUT OUTS, TRANSFORMERS, CONTACTORS, DISCONNECTS, ETC. AS REQUIRED FOR OPERATION
3. COMPLETE WITH STANDARD OPTIONS: TRANSFORMER WITH SECONDARY FUSE, MAGNETIC CONTACTOR, AUTOMATIC THERMAL CUTOUT, MANUAL TERMAL CUTOUT, AIRFLOW SWITCH & SOLID STATE RELAY.
3. REFER TO CONTROLS SCHEMATICS FOR INTEGRATION W/ REMOTE TEMPERATURE SENSORS
4. STANDARD OF ACCEPTANCE: NEPTRONIC, THERMOLEC

GAS FIRED RADIANT HEATER SCHEDULE

TAG	LOCATION	MAKE	MODEL	HEAT INPUT (KW)	NG PRESSURE	LENGTH (m)	WEIGHT (KG)	V / Ph / Hz	FLA	REMARKS
TH-1-8	SERVICE GARAGE	SCHWANK	STS-JZ-60-20'	17.6	5 - 14" W.C.	6.5	90	120 / 1 / 60	145 VA	UNITS TO BE SUSPENDED HORIZONTALLY

NOTES
1) CSA CERTIFIED, BURNER CABINET C/W STATUS INDICATOR LIGHTS AND CLAM SHELL OPENING, ABLE TO OPERATE IN THE OPEN SERVICE POSITION, TURBULATORS FACTORY INSTALLED
3) PROVIDE ALL MOUNTING HARDWARE AND SAFETY CHAINS AS REQUIRED TO INSTALL IN ACCORDANCE WITH MANUFACTURERS INSTALLATION INSTRUCTIONS
4) PROVIDE VENT ADAPTORS AND FRESH AIR INTAKE VENT CAPS AS REQUIRED FOR INSTALLATION OF ROOF MOUNTED INTAKES / VENTS PER HEATER
5) MAKE FINAL CONNECTION WITH FLEXIBLE TYPE 1 N.G. HOSE IN ACCORDANCE WITH CSA B149.1 AND MANUFACTURERS INSTALLATION INSTRUCTIONS
6) PROVIDE UNITS C/W THERMOCONTROL PLUS CONTROLLER AND 24V THERMOSTAT RELAYS AND WIRING TO INDIVIDUALLY CONTROL EACH TUBE HEATER. CONTROLLER TO BE LOCATED IN SERVICE RM 203.
7) STANDARD OF ACCEPTANCE: SHWANK, BRANT

AIR CURTAIN SCHEDULE

TAG	LOCATION	BASIS OF DESIGN	AIR FLOW (CFM)	WIDTH (mm)	WEIGHT (KG)	ELECTRICAL DATA			REMARKS
						MOTOR QUANTITY	MOTOR SIZE (HP)	V/Ph/Hz	
AC-1a/b - AC-12a/b	SERVICE GARAGE 127	SCHWANK EPIC 14 SERIES	5214	2830	162	3	1	208/1/60	C/W FACTORY INSTALLED FAN SPEED SWITCH, WASHABLE FILTER, DOOR CONTACTS AND ALL REQUIRED MOUNTING & CONTROLS ACCESSORIES.

NOTES:
1. AIR CURTAIN C/W ADJUSTABLE NOZZLE VANES AND PERFORATED INTAKE SCREEN.
2. FINISH / COLOUR TO BE SELECTED BY CONSULTANT AT TIME OF SHOP DRAWING SUBMITTALS FROM MANUFACTURERS FULL RANGE OF STANDARD COLOURS.
3. LOCAL DISCONNECT SWITCHES SUPPLIED BY DIV. 23 AND INSTALLED BY DIV. 26; REFER TO SECTION 26 60 00a.
4. STANDARD OF ACCEPTANCE: SCHWANK, BERNER, AIRTECNICS

AIR TERMINAL SCHEDULE

TAG	DESCRIPTION	MODEL AND SERIES	CAPACITY [CFM(L/s)]	MATERIAL	FINISH	REMARKS
A1	SQUARE PLAQUE DIFFUSER	EH PRICE SPD 150Ø / 610x610 /SPD/ B12	0-100 (0-50)	STEEL	WHITE	NECK SIZE AS INDICATED IN PLANS
A2	SQUARE PLAQUE DIFFUSER	EH PRICE SPD 200Ø / 610x610 /SPD/ B12	0-250 (0-125)	STEEL	WHITE	NECK SIZE AS INDICATED IN PLANS
C1	LOUVERED SUPPLY GRILLE	EH PRICE 520 [150 x 150] / 520 / B12	0-50 (0-25)	STEEL	WHITE	COORDINATE FRAME SELECTION WITH CEILING OR DUCT TYPE FOR EACH SPACE. REFER TO DRAWINGS FOR GRILLE SIZES
D1	HIGH CAPACITY DRUM LOUVER	EH PRICE HCD 610 x 305 / HCD / 2B / SDFG	0-1000 (0-470)	STEEL	WHITE	REFER TO DRAWINGS FOR GRILLE SIZE BY LOCATION. COORDINATE FRAME SELECTION WITH CEILING TYPE FOR EACH SPACE
R1	EGG CRATE GRILLE	EH PRICE 80 [150 x 610] / 80 / B12	0-425 (0-200)	STEEL	WHITE	REFER TO DRAWINGS FOR GRILLE SIZE BY LOCATION. COORDINATE FRAME SELECTION WITH CEILING TYPE FOR EACH SPACE
R2	LOUVERED RETURN SINGLE DEFLECTION - 45°	EH PRICE 535 [150 x 150] / 535 / F / L / A / B12	0-100 (0-50)	STEEL	WHITE	REFER TO DRAWINGS FOR GRILLE SIZE BY LOCATION. COORDINATE FRAME SELECTION WITH CEILING AND WALL TYPE FOR EACH SPACE

NOTES
1. STANDARD OF ACCEPTANCE: EH PRICE, NAILOR, TITUS, KRUEGER, METALAIRE, RUSKIN

EXHAUST FAN SCHEDULE

TAG	DESCRIPTION	SERVICE	LOCATION	MANUFACTURER	MODEL	CAPACITY (L/s)	EXT. STATIC (Pa)	FAN RPM	OPERATING POWER (HP)	MOTOR HP	V/Ph/Hz	SOUND INLET (dBA)	REMARKS
EF-1a/b	DIRECT DRIVE WALL MOUNTED UPBLAST	SERVICE GARAGE	EXTERIOR WALL	GREENHECK	CUE-200-VG	2360	125	1037	1.29	2	208/60/1	71	
EF-2a	DIRECT DRIVE WALL MOUNTED UPBLAST	WASH BAY	EXTERIOR WALL	GREENHECK	CUE-160-VG	945	125	940	0.31	1/2	208/60/1	61	
EF-2b	DIRECT DRIVE WALL MOUNTED UPBLAST	REPAIR AREA	EXTERIOR WALL	GREENHECK	CUE-160-VG	945	125	940	0.31	1/2	208/60/1	61	
EF-3	DIRECT DRIVE CENTRIFUGAL SQUARE IN-LINE	MECHANICAL SERVICES 141	MEZZANINE 202	GREENHECK	SQ-98-VG	235	125	1627	0.18	1/4	120/60/1	64	
EF-4	DIRECT DRIVE CENTRIFUGAL SQUARE IN-LINE	SERVICE RM 203	SERVICE RM 203	GREENHECK	SQ-100-VG	472	125	1517	0.17	1/4	120/60/1	58	
EF-5	DIRECT DRIVE ROOF MOUNTED UPBLAST	OFFICE	OFFICE ROOF	GREENHECK	CUE-095-VG	260	75	1270	0.07	1/6	120/60/1	51	
EF-6	WALL MOUNTED PROP FAN	COLD STORAGE	COLD STORAGE	GREENHECK	AER-20-02-0610	472	75	860	0.13	1/4	208/3/60	63	
EF-7	BELT DRIVE WALL MOUNTED UPBLAST	HAZARDOUS STORAGE	HAZARDOUS STORAGE	GREENHECK	CUBE-140	660	75	980	0.21	1/4	208/3/60	57	NFPA RATED

NOTES:
1. ALL MOTORS SHALL BE PREMIUM EFFICIENCY, CSA AND UL/cUL APPROVED WITH THERMAL OVERLOADS
2. LOCAL DISCONNECTS FOR FANS SHALL BE PROVIDED BY DIV 23 AND INSTALLED BY DIV 26.
3. EF-1 THROUGH EF-5 ARE TO BE ECM SPEED CONTROLLED AND PROVIDED WITH STARTERS WITH 24V CONTROLS TRANSFORMERS TO ENABLE LOCAL AND BAS SPEED CONTROL OF FAN AND MONITORING OF FAN STATUS. SIMILAR TO VARIFLOW CONTROLLER, TRANSFORMER AND SPEED CONTROLLER. ROOF MOUNTED FANS SHALL BE C/W REMOTE STARTERS LOCATED WITHIN THE MECHANICAL ROOM.
4. DIV. 23 TO PROVIDE A TIMER SWITCH FOR CONTROL OF EF-6 & EF-7. TIMER SHALL BE C/W WITH DAILY PROGRAMMABLE SCHEDULE - COORDINATE WITH DIV. 26 FOR INSTALLATION & WIRING.
4. ROOF MOUNTED UPBLAST FANS SHALL BE C/W TWO PIECE TOP CAP WITH SS QUICK RELEASE LATCHES, SS HARDWARE, BIRDSCREEN, 600MM HIGH INSULATED ROOF CURB, MOTORIZED DAMPER, NEMA 3 DISCONNECT.
5. STANDARD OF ACCEPTANCE: COOK, GREENHECK, JENCO, TWIN CITY

EXTERIOR LOUVER SCHEDULE

TAG	DESCRIPTION	MAKE AND MODEL	AIRFLOW (L/s)	VELOCITY (FPM)	LOUVER FREE AREA (%)	LOUVER HEIGHT (mm)	LOUVER WIDTH (mm)	LOUVER DEPTH (mm)	LOUVER MATERIAL	LOUVER FINISH	OPTIONS/ REMARKS
LV-1	MAU INTAKE LOUVER	EH PRICE DE635	-	500	42%	1220	5000	150	EXTRUDED ALUMINUM	PAINTED	C/W INSECT SCREEN
LV-2	MEZZANINE EXHAUST LOUVER	EH PRICE DE635	-	800	42%	915	5000	150	EXTRUDED ALUMINUM	PAINTED	C/W INSECT SCREEN
LV-3	MECH SERVICES 141 INTAKE LOUVER	EH PRICE DE635	235	500	42%	305	36	150	EXTRUDED ALUMINUM	PAINTED	C/W BIRD SCREEN
LV-4	TAILPIPE EXHAUST	EH PRICE DE635	235	800	42%	360	360	150	EXTRUDED ALUMINUM	PAINTED	C/W BIRD SCREEN
LV-5	DRYER EXHAUST SINGLE WALLBOX	REVERSOMATIC SWBL-8	-	-	-	235	445	210	EXTRUDED ALUMINUM	PAINTED	C/W BIRD SCREEN
LV-6	COLD STORAGE EXHAUST LOUVER	EH PRICE DE635	470	600	42%	660	660	150	EXTRUDED ALUMINUM	PAINTED	C/W BIRD SCREEN
LV-7	COLD STORAGE INTAKE LOUVER	EH PRICE DE635	470	500	42%	760	610	150	EXTRUDED ALUMINUM	PAINTED	C/W INSECT SCREEN
LV-8	HAZARDOUS STORAGE INTAKE LOUVER	EH PRICE DE635	470	500	42%	760	610	150	EXTRUDED ALUMINUM	PAINTED	C/W INSECT SCREEN
LV-9	MAU-1 RETURN LOUVER	EH PRICE DE635	2360	500	42%	1220	1220	150	EXTRUDED ALUMINUM	PAINTED	C/W BIRD SCREEN

NOTES
1. SEE HVAC DRAWINGS m4 SERIES DRAWINGS FOR LOCATIONS - LOUVER SIZES TO BE VERIFIED AS DEFINED IN ARCHITECTURAL ELEVATIONS.
2. LV-1 & LV-2 TO BE PROVIDED IN MULTIPLE SECTIONS WITH CONTINUOUS BLADES. ACTIVE LOUVER SECTIONS ONLY SHALL BE PROVIDED C/W INSULATED MOTORIZED DAMPERS. REMAINING LOUVER SECTIONS SHALL BE COMPLETE WITH THERMALLY BROKEN INSULATED BLANK OFF PANELS (R10) AND SILICONE CAULKING.
3. DETAILS OF INSTALLATION, INCLUDING FLASHING AND CAULKING AS DEFINED IN ARCHITECTURAL & AS PER MANUFACTURERS INSTRUCTIONS.
4. PAINT FINISH COLOURS TO BE SELECTED BY CONSULTANT AT TIME OF SHOP DRAWING SUBMITTALS FROM MANUFACTURERS FULL RANGE OF STANDARD COLOURS

GAS FIRED UNIT HEATER SCHEDULE

TAG	LOCATION	MAKE/MODEL	INPUT RATINGS [MBH(KW)]	INLET CONNECTION [IN(mm)]	FUEL TYPE	DIMENSIONS LxWxH [IN(mm)]	FLA	V/Ph/Hz	REMARKS
UH-1, UH-2, UH-3	REPAIR AREA, WASH BAY, MECH SERVICES	MODINE HOT DAWG HD-60	60(17.5)	1/2(15)	NATURAL GAS	26.8x25x18(680x635x457)	1.95	115/1/60	-

NOTES:
1. PROVIDE CONCENTRIC VERTICAL VENT KIT
2. PROVIDE LOCAL THERMOSTAT (24V) FOR CONTROL OF UNIT HEATER .
3. ORIENT HEATERS IN DIRECTION SHOWN ON DRAWINGS.
4. UNIT TO BE COMPLETE WITH INTEGRAL LOCAL DISCONNECT.
5. STANDARD OF ACCEPTANCE: MODINE, REZNOR

VEHICLE EXHAUST EQUIPMENT SCHEDULE

TAG	DESCRIPTION	SERVICE	MAKE/MODEL	DETAILS	POWER	REMARKS
VEF-1	TAILPIPE EXHAUST FAN	REPAIR BAY	PLYMOVENT FUA-2100	235 L/s CAPACITY 7.0" W.G. E.S.P	208/1/60	1HP (0.75kW) FAN C/W UNIVERSAL MOUNTING BRACKET & SILENCER.
HR-3	SPRING EXHAUST HOSE REEL C/W HIGH TEMP HOSE	REPAIR BAY	PLYMOVENT SER-1050-125	HOSE DIA. 130Ø (5'') TOTAL HOSE LENGTH 12.5m	-	C/W FAN MOUNTING KIT, FAN STARTER & HOSE AS FOLLOWS HOSE - PLYMOVENT HIGH TEMPERATURE EXHAUST HOSE (HT) - SUITABLE FOR HEAVY-DUTY VEHICLES THAT GENERATE HIGH TEMPERATURE HAZARDOUS EXHAUST FUMES - OPERATING TEMPERATURE (CONTINUOUS: UP TO 900°F / INTERMITTENT: UP TO 1050°F) QTY. x1 UPPER HOSE - 5" DIA. - 19 FT. QTY. x2 MID HOSE - 5" DIA. - 10 FT. QTY. x1 LOWER HOSE - 5" DIA. - 2 FT.
RN-1	RUBBER EXHAUST NOZZLE	REPAIR BAY	PLYMOVENT REG-125-160		-	RUBBER EXHAUST NOZZLE WITH VISE GRIP

NOTES
1. COORDINATE MOUNTING LOCATION AT TIME OF CONSTRUCTION.

HAZARDOUS GAS DETECTION SYSTEM

TAG	LOCATION	MAKE/MODEL	COMMENTS
HGD	REFER TO DRAWINGS	ARMSTRONG AMC STANDALONE GAS DETECTION SYSTEM, MODEL AMC-1ACVs COMBINATION CO/NO2 MONITOR	COMPLETE WITH OUTPUTS FOR INTEGRATION WITH BAS. MOUNT MONITOR AT 1220mm - 1525mm AFF.

NOTES:
1. REFER TO DRAWING M410 FOR LOCATIONS AND QUANTITIES OF DEVICES
2. PROVIDE ALL TRANSFORMERS, LOW VOLTAGE WIRING, NETWORK WIRING, CONDUITS ETC AS REQUIRED FOR A COMPLETE INSTALLATION.
3. PROVIDE MANUFACTURERS START UP AND CALIBRATION OF ALL SENSORS
4. COORDINATE POWER REQUIREMENTS WITH DIV 26
5. PROVIDE COMMUNICATION NETWORK BETWEEN ALL SENSORS, CONTROLLERS AND REMOTE DEVICES IN ACCORDANCE WITH MANUFACTURERS RECOMMENDED WIRING DIAGRAMS - COORDINATE ROUGHIN REQUIREMENTS WITH DIV 25.
6. PROVIDE BACNET IP INTEGRATION WITH BAS TO ENABLE MONITORING OF GAS DETECTION LEVELS FOR EACH ZONE AND INTEGRATE WITH ASSOCIATED HVAC CONTROLS
7. STANDARD OF ACCEPTANCE: ARMSTRONG. HONEYWELL, QEL, BELIMO

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

LICENSED PROFESSIONAL ENGINEER
26539
June 29th 2026
A. M. J. CAMIRAND
100547308
PROVINCE OF ONTARIO

ISSUANCE

NO	DATE	ISSUE
A	2026-06-01	ISSUED FOR FINAL REVIEW
B	2026-06-29	ISSUED FOR PERMIT & TENDER

PROJECT NORTH TRUE NORTH

GENERAL NOTES
1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ENGINEER.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ENGINEER.

PROJECT
TOWN OF SMITHS FALLS
PUBLIC WORKS OPERATIONS CENTRE
11 AIR CARE DR,
SMITHS FALLS, ON. K7A 0B2

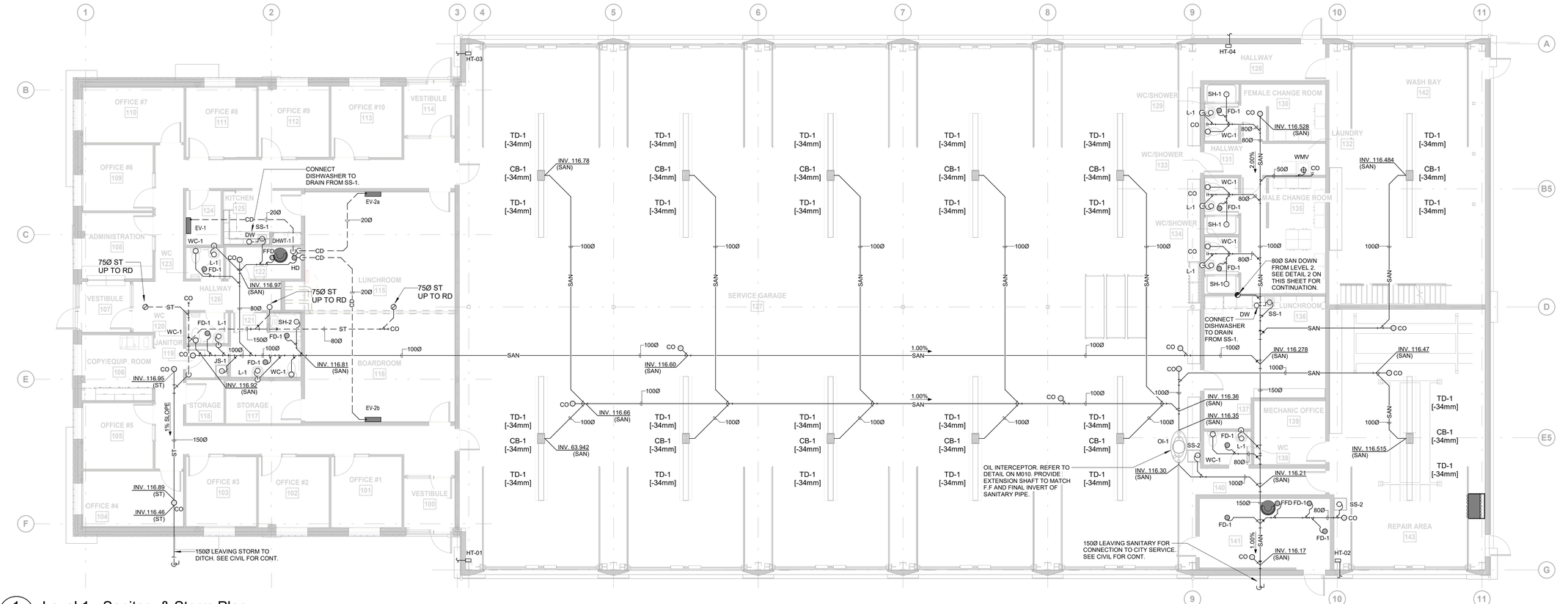
IDEA # 26539 | CLIENT #
DRAWN BY Author | CHECKED BY Checker
DATE 2026-06-29 | SCALE 1 : 100

SHEET NAME
MECHANICAL SCHEDULES II

SHEET NO
M020

D (24"x36")

2026-06-29 11:00:20 AM



1 M110 Level 1 - Sanitary & Storm Plan
1 : 100

2 M110 Mezzanine - Sanitary & Storm Plan
1 : 100

SANITARY NOTES:
A. FINISHED FLOOR ELEVATION = 117.40m
B. FLOOR SLAB THICKNESS VARIES, SEE ARCHITECTURAL SLAB FLOOR PLANS.
C. CONTRACTOR TO COORDINATE PLUMBING RISER LOCATIONS WITH FINAL DIMENSIONED WALL LOCATIONS.
D. UNLESS NOTED OTHERWISE, THE INVERT ELEVATION OF SANITARY RISERS ARE AS FOLLOWS:
   a. 80Ø = 117.020m.
   b. 100Ø = 117.000m.
   c. 150Ø = 116.950m.
   (THIS IS TO PROVIDE APPROXIMATELY 150mm OF COVER FROM THE TOP OF PIPE TO THE BOTTOM OF THE 150mm SLAB). REFER TO STRUCTURAL DRAWINGS FOR SLAB THICKNESS.
E. PROVIDE CLEANOUTS REQUIRED BY ONTARIO BUILDING CODE.
F. UNLESS STATED OTHERWISE, ALL NEW SANITARY PIPING SHALL BE RUN AS PER THE FOLLOWING CONDITIONS:
   a. ≥100Ø = 1% SLOPE.
   b. ≤80Ø = 2% SLOPE.
G. ALL FLOOR DRAINS, HUB DRAINS, SHOWER DRAINS TO BE COMPLETE WITH TRAP SEAL PRIMERS. CONTRACTOR TO SUPPLY AND INSTALL TRAP SEAL PRIMERS COMPLETE WITH INTERCONNECTING PIPING. QUANTITY AND LOCATION TO BE DETERMINED BY THE PLUMBING CONTRACTOR.
H. COORDINATE FLOOR DRAIN TYPE WITH FLOORING TYPE. REFER TO ARCHITECTURAL ROOM FINISH SCHEDULE.
I. VENTING FOR SANITARY PIPING TO BE PROVIDED TO MEET ONTARIO BUILDING CODE.
J. REFER TO PLUMBING FIXTURE SCHEDULES. ALL PLUMBING FIXTURE LOCATIONS SHALL BE COORDINATED WITH FINAL SHOP DRAWINGS. CONTRACTOR TO CARRY THE COST TO RELOCATE FIXTURE WITHIN 3050mm (10 FT) OF THE DRAWN LOCATION.
L. REFER TO TRENCH DRAIN DETAIL ON DWG M000 FOR ALL TD [-34mm]
M. REFER TO ARCHITECTURAL DRAWINGS FOR FLOOR SLOPES INTO CATCH BASINS AND TRENCH DRAINS. ALL CATCH BASINS TO BE COMPLETE WITH P-TRAPS.

MECHANICAL ROOM FLOOR DRAIN NOTES:
A. CONTRACTOR TO COORDINATE ALL FINAL FLOOR DRAIN LOCATIONS WITH APPROVED EQUIPMENT SHOP DRAWINGS AND APPROVED EQUIPMENT LAYOUTS.
B. CONTRACTOR TO INCLUDE FOR THREE (3) FUNNEL FLOOR DRAINS TO BE LOCATED WITHIN ALL MECHANICAL ROOMS TO SUIT THE APPROVED EQUIPMENT LAYOUT AND SHOP DRAWINGS.
C. COORDINATE DRAIN HEIGHTS WITH LOCATIONS OF EQUIPMENT HOUSE KEEPING PADS.
D. COORDINATE FUNNEL FLOOR DRAIN AND HUB DRAIN LOCATIONS WITH HVAC EQUIPMENT SHOP DRAWINGS FOR CONDENSATE DRAINS.

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL
LICENSED PROFESSIONAL ENGINEER
26539
June 29th 2026
A. M. J. CAMIRAND
100547308
PROVINCE OF ONTARIO

ISSUANCE

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT & TENDER

PROJECT NORTH
TRUE NORTH

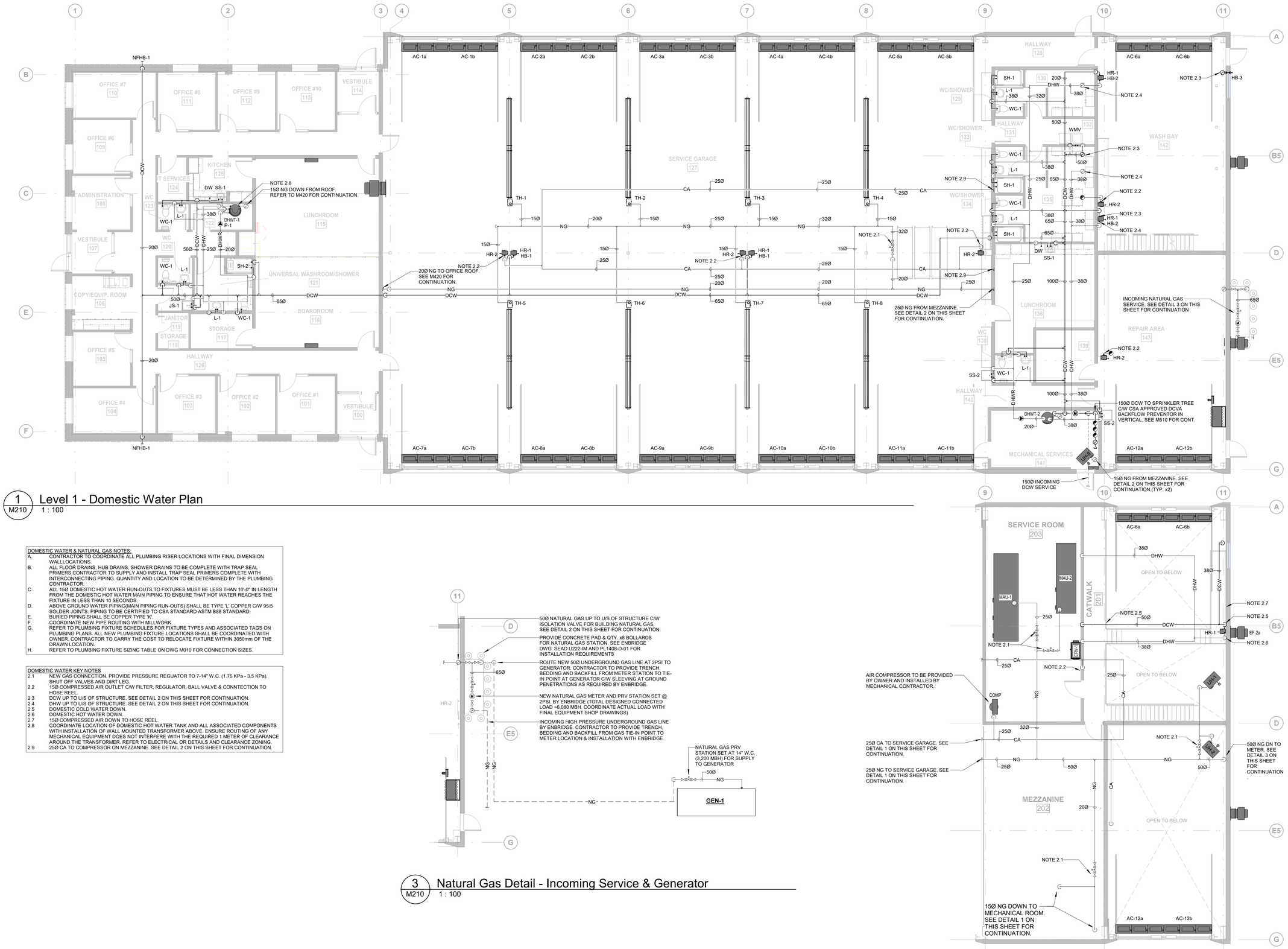
GENERAL NOTES
1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ENGINEER.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ENGINEER.

PROJECT
TOWN OF SMITHS FALLS
PUBLIC WORKS OPERATIONS CENTRE
11 AIR CARE DR,
SMITHS FALLS, ON. K7A 0B2

IDEA # **26539**
CLIENT #
DRAWN BY **LS**
CHECKED BY **AC**
DATE **2026-06-29**
SCALE **1 : 100**
SHEET NAME
SANITARY AND STORM PLAN

SHEET NO
M110
D (24"x36")

2026-06-29 11:00:25 AM



1 Level 1 - Domestic Water Plan
M210 — 1 : 100

DOMESTIC WATER & NATURAL GAS NOTES:

A. CONTRACTOR TO COORDINATE ALL PLUMBING RISER LOCATIONS WITH FINAL DIMENSION WALLLOCATIONS.
B. ALL FLOOR DRAINS, HUB DRAINS, SHOWER DRAINS TO BE COMPLETE WITH TRAP SEAL PRIMERS.CONTRACTOR TO SUPPLY AND INSTALL TRAP SEAL PRIMERS COMPLETE WITH INTERCONNECTING PIPING. QUANTITY AND LOCATION TO BE DETERMINED BY THE PLUMBING CONTRACTOR.
C. ALL 15Ø DOMESTIC HOT WATER RUN-OUTS TO FIXTURES MUST BE LESS THAN 10'-0" IN LENGTH FROM THE DOMESTIC HOT WATER MAIN PIPING TO ENSURE THAT HOT WATER REACHES THE FIXTURE IN LESS THAN 10 SECONDS.
D. ABOVE GROUND WATER PIPING(MAIN PIPING RUN-OUTS) SHALL BE TYPE 'L' COPPER C/W 95/5 SOLDER JOINTS. PIPING TO BE CERTIFIED TO CSA STANDARD ASTM B88 STANDARD.
E. BURIED PIPING SHALL BE COPPER TYPE 'K'.
F. COORDINATE NEW PIPE ROUTING WITH MILLWORK.
G. REFER TO PLUMBING FIXTURE SCHEDULES FOR FIXTURE TYPES AND ASSOCIATED TAGS ON PLUMBING PLANS. ALL NEW PLUMBING FIXTURE LOCATIONS SHALL BE COORDINATED WITH OWNER. CONTRACTOR TO CARRY THE COST TO RELOCATE FIXTURE WITHIN 3050mm OF THE DRAWN LOCATION.
H. REFER TO PLUMBING FIXTURE SIZING TABLE ON DWG M010 FOR CONNECTION SIZES.

DOMESTIC WATER KEY NOTES

2.1 NEW GAS CONNECTION. PROVIDE PRESSURE REGUATOR TO 7-14" W.C. (1.75 KPa - 3.5 KPa). SHUT OFF VALVES AND DIRT LEG.
2.2 15Ø COMPRESSED AIR OUTLET C/W FILTER, REGULATOR, BALL VALVE & CONNTECTION TO HOSE REEL.
2.3 DCW UP TO U/S OF STRUCTURE. SEE DETAIL 2 ON THIS SHEET FOR CONTINUATION.
2.4 DHW UP TO U/S OF STRUCTURE. SEE DETAIL 2 ON THIS SHEET FOR CONTINUATION.
2.5 DOMESTIC COLD WATER DOWN.
2.6 DOMESTIC HOT WATER DOWN.
2.7 15Ø COMPRESSED AIR DOWN TO HOSE REEL.
2.8 COORDINATE LOCATION OF DOMESTIC HOT WATER TANK AND ALL ASSOCIATED COMPONENTS WITH INSTALLATION OF WALL MOUNTED TRANSFORMER ABOVE. ENSURE ROUTING OF ANY MECHANICAL EQUIPMENT DOES NOT INTERFERE WITH THE REQUIRED 1 METER OF CLEARANCE AROUND THE TRANSFORMER. REFER TO ELECTRICAL OR DETAILS AND CLEARANCE ZONING.
2.9 25Ø CA TO COMPRESSOR ON MEZZANINE. SEE DETAIL 2 ON THIS SHEET FOR CONTINUATION.

3 Natural Gas Detail - Incoming Service & Generator
M210 — 1 : 100

2 Mezzanine - Domestic Water Plan
M210 — 1 : 100

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integratedddesign.ca

SEAL

LICENSED PROFESSIONAL ENGINEER
26539
June 23rd 2026
A. M. J. CAMIRAND
100547308
PROVINCE OF ONTARIO

ISSUANCE

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT & TENDER

PROJECT NORTH TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ENGINEER.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ENGINEER.

PROJECT
TOWN OF SMITHS FALLS
PUBLIC WORKS OPERATIONS CENTRE
11 AIR CARE DR, SMITHS FALLS, ON. K7A 0B2

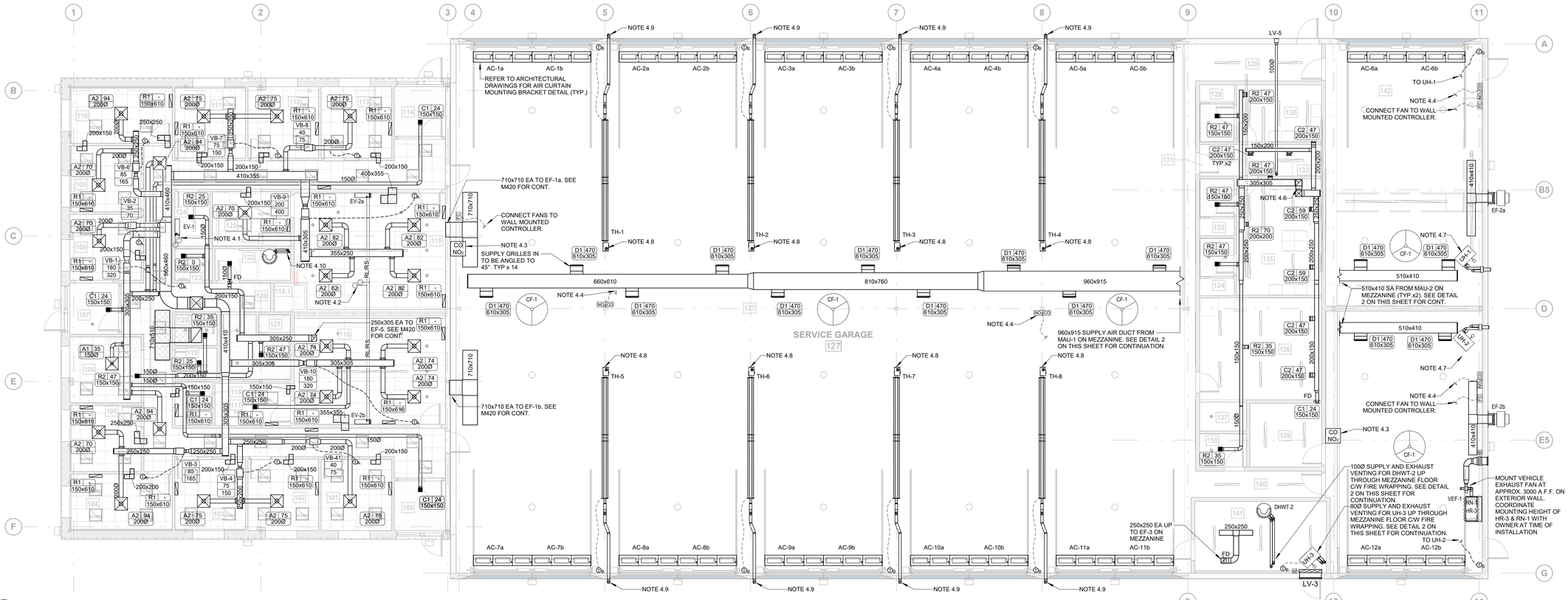
IDEA # **26539**
CLIENT #
DRAWN BY **LS**
CHECKED BY **AC**
DATE **2026-06-29**
SCALE **1 : 100**

SHEET NAME
DOMESTIC WATER, NATURAL GAS AND COMPRESSED AIR PLAN

SHEET NO **M210**

D (24"x36")

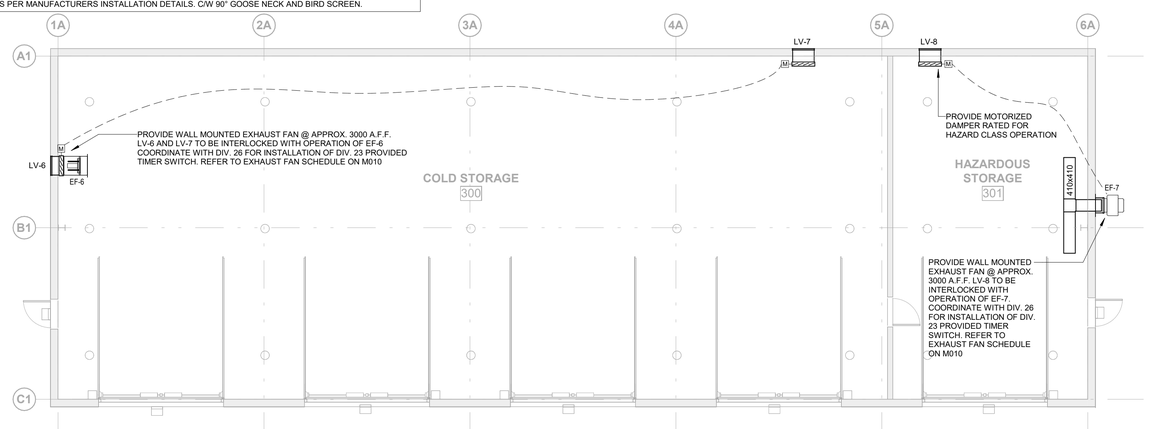
2026-06-29 11:00:31 AM



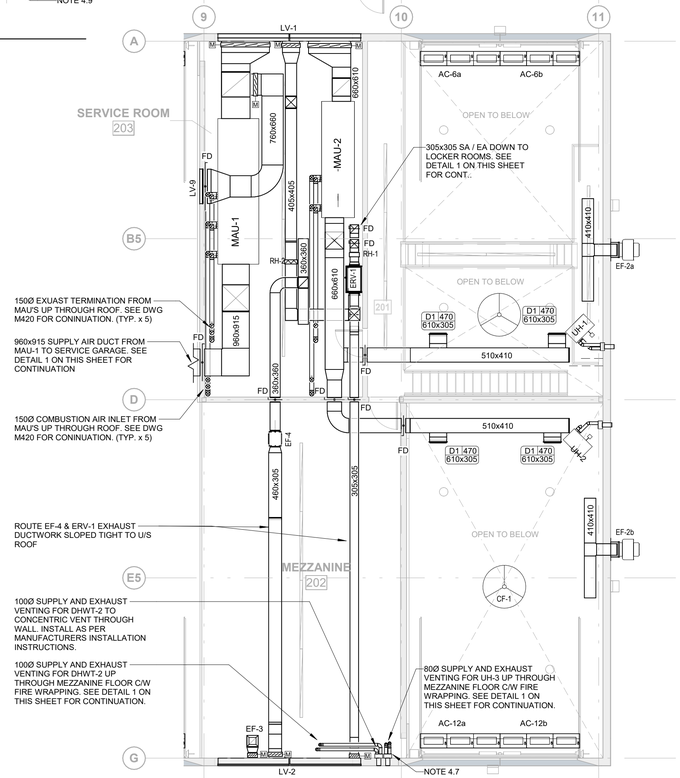
1 M410 Level 1 - HVAC Plan
1 : 100

HVAC KEY NOTES:

4.1 RS/RL UP TO CU-1 ON ROOF. SEE DWG M420 FOR CONTINUATION.
4.2 RS/RL UP TO CU-2 ON ROOF. SEE DWG M420 FOR CONTINUATION.
4.3 AMC-1DBX DIGITAL GAS MONITOR TO BE MOUNTED ON WALL AT 1220mm AFF. MONITOR SHALL BE INTEGRATED WITH ALL CO/NO2 TRANSMITTERS LOCATED IN WAREHOUSE SPACE. MONITOR TO BE INTEGRATED WITH BAS FOR COMMUNICATION OF ALARMS.
4.4 CO/NO2 SENSOR (MODEL AMC-UTX-B). SENSOR TO BE MOUNTED ON CENTER COLUMN AS SHOWN AT 1220-1525mm AFF. SENSOR TO BE CONNECTED BACK TO MAIN GAS MONITORING PANEL. PROVIDE CONDUIT FOR ALL WIRING OF GAS MONITORING DEVICES. EXACT QUANTITY OF REQUIRED SENSORS TO BE CONFIRMED BY MANUFACTURER. SETPOINTS AS FOLLOWS:
  a. CO
    - LOW ALARM: 25 ppm
    - HIGH ALARM: 100 ppm
  b. NO_2
    - LOW ALARM: 1 ppm
    - HIGH ALARM: 3 ppm
4.5 80Ø SUPPLY AND EXHAUST VENTING FOR DHWT-1 TO CONCENTRIC ADAPTOR BOX THROUGH ROOF. AS PER MANUFACTURERS INSTALLATION INSTRUCTIONS. REFER TO DWG M420 FOR CONTINUATION.
4.6 305x305 SUPPLY AND EXHAUST AIR DUCTS FROM ERV-1 DOWN FROM MEZZANINE. SEE DETAIL 2 ON THIS SHEET FOR CONTINUATION.
4.7 UNIT HEATER MOUNTING HEIGHT TO BE COORDINATED AT TIME OF CONSTRUCTION. PROVIDE HORIZONTAL VENT TERMINAL/COMBUSTION AIR PACKAGE INCLUDING CONCENTRIC ADAPTOR BOX, KIT PACKAGE, EXHAUST GRILLE, AND INLET GUARD. CONTRACTOR TO PROVIDE ALL VENT AND COMBUSTION AIR PIPING, TAPERED VENT REDUCERS, FLASHING, BRACKETS AND FASTENERS, AND SEALING FOR INSTALLATION IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
4.8 125Ø FRESH AIR INTAKE FOR RADIANT TUBE HEATERS UP THROUGH ROOF C/W THROUGH ROOF TERMINATION AS PER MANUFACTURERS INSTALLATION DETAILS.PROVIDE FLEXIBLE CONNECTION AND REDUCE TO 100Ø AT AIR INLET CONNECTION.
4.9 100Ø SINGLE WALL VENT TO 125Ø DOUBLE WALL TYPE B-VENT ADAPTOR. 125Ø DOUBLE WALL TYPE B-VENT UP THROUGH WALL AS PER MANUFACTURERS INSTALLATION DETAILS. C/W 90° GOOSE NECK AND BIRD SCREEN.



3 M410 Cold Storage Building - HVAC
1 : 100



2 M410 Mezzanine - HVAC Plan
1 : 100

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

LICENSED PROFESSIONAL ENGINEER
26539
June 29th 2026
A. M. J. CAMIRAND
100547308
PROVINCE OF ONTARIO

ISSUANCE

NO	DATE	ISSUE
A	2026-06-01	ISSUED FOR FINAL REVIEW
B	2026-06-29	ISSUED FOR PERMIT & TENDER

PROJECT NORTH TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ENGINEER.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ENGINEER.

PROJECT

TOWN OF SMITHS FALLS

PUBLIC WORKS OPERATIONS CENTRE

11 AIR CARE DR,
SMITHS FALLS, ON. K7A 0B2

IDEA #	CLIENT #
26539	
DRAWN BY	CHECKED BY
LS	AC
DATE	SCALE
2026-06-29	1 : 100

SHEET NAME

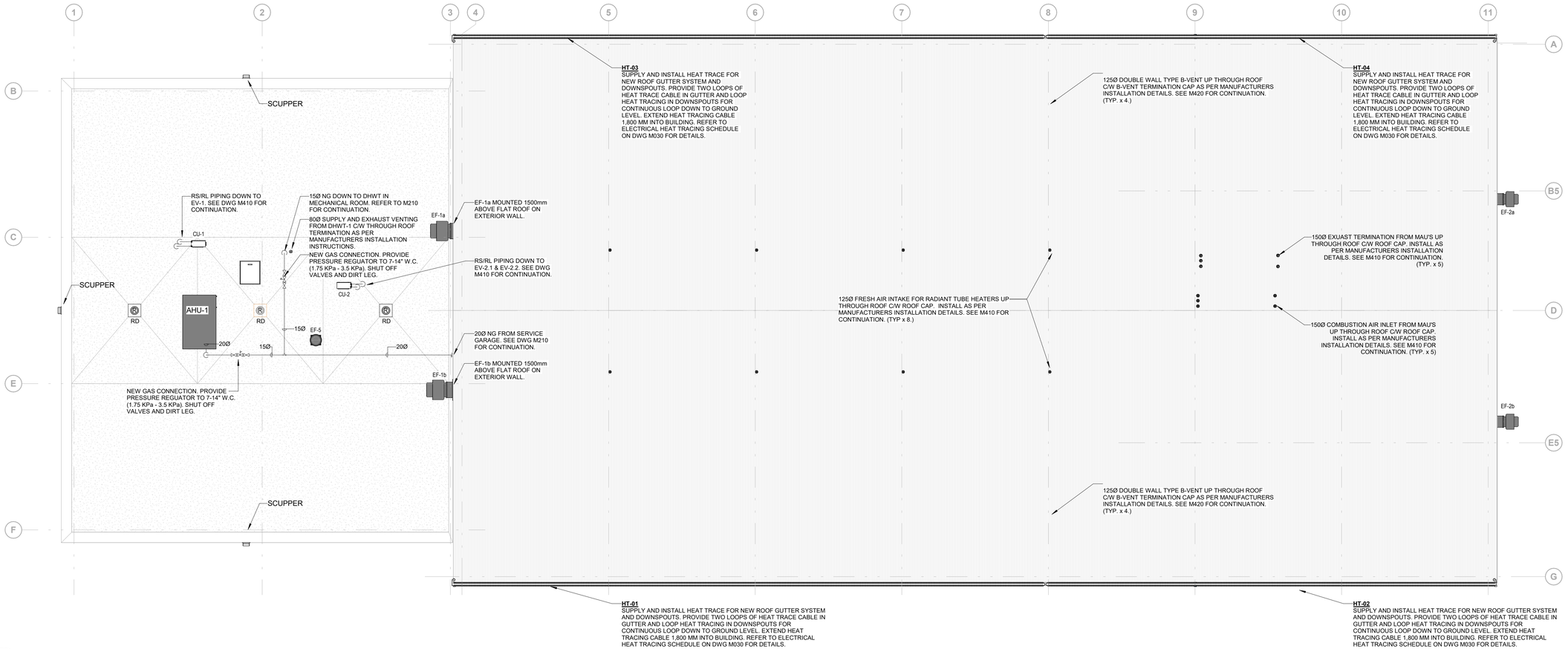
HVAC PLAN

SHEET NO

M410

D (24"x36")

2026-06-29 11:00:40 AM



1 M420 Mechanical Roof Plan
1 : 100

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

LICENSED PROFESSIONAL ENGINEER
26539
June 23rd 2026
A. M. J. CAMIRAND
100547308
PROVINCE OF ONTARIO

ISSUANCE

NO	DATE	ISSUE
A	2026-06-01	ISSUED FOR FINAL REVIEW
B	2026-06-29	ISSUED FOR PERMIT & TENDER

PROJECT NORTH TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ENGINEER.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ENGINEER.

PROJECT

TOWN OF SMITHS FALLS

PUBLIC WORKS OPERATIONS CENTRE

11 AIR CARE DR,
SMITHS FALLS, ON. K7A 0B2

IDEA #	CLIENT #
26539	
DRAWN BY	CHECKED BY
LS	**AC**
DATE	SCALE
2026-06-29	**1 : 100**

SHEET NAME

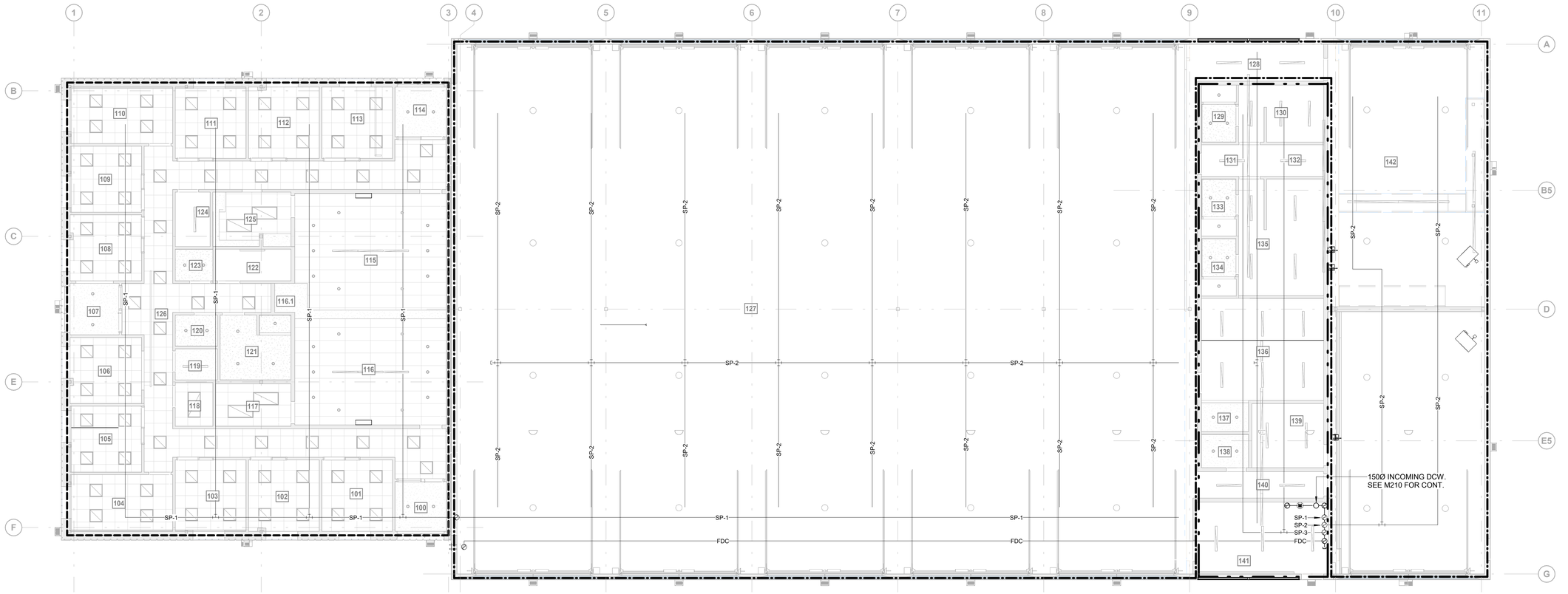
ROOF PLAN

SHEET NO

M420

D (24"x36")

2026-06-29 11:00:42 AM

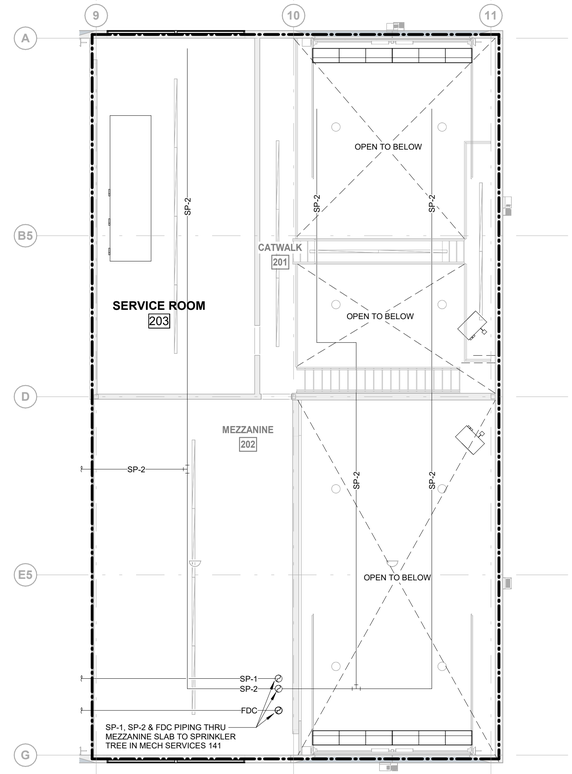


1 M510 Level 1 - Sprinkler Zoning Plan
1 : 100

SPRINKLER NOTES:

1. THIS IS A PERFORMANCE SPECIFICATION ONLY. ENGINEERS DRAWINGS PROVIDE GENERAL INFORMATION REGARDING EXTENT OF WORK ASSOCIATED WITH THE OFFICES AND WAREHOUSE FOR THE TOWN OF SMITH'S FALLS.
2. PREPARE STAMPED SPRINKLER SHOP DRAWINGS FOR SUBMISSION TO ENGINEER, UNDERWRITERS, AND BUILDING DEPARTMENT FOR APPROVAL PRIOR TO INSTALLATION. ENGINEERS DRAWINGS INDICATE GENERAL AREAS TO BE SPRINKLERED ONLY.
3. SYSTEM SHALL BE COMPLETE WITH ALL NECESSARY PIPING, HANGERS, HEADS, SUPERVISED VALVES, ALARM VALVES, FLOW SWITCHES WITH RETARDERS, CHECK VALVES, ISOLATION VALVES, DRIPS, DRAINS, TEST CONNECTIONS, SPARE SPRINKLERS AND CABINETS, AIR COMPRESSOR, ETC. ALL IN STRICT ACCORDANCE WITH STANDARDS AS STIPULATED IN THE NATIONAL FIRE PREVENTION ASSOCIATION NFPA 13 AS REVISED TO DATE AND/OR AS APPROVED BY THE LOCAL FIRE DEPARTMENT BUILDING DEPARTMENT AND FM APPROVED.
4. DESIGN WET PIPE FIRE SUPPRESSION SPRINKLER SYSTEMS IN ACCORDANCE WITH REQUIRED AND ADVISORY PROVISIONS OF NFPA 13, BY HYDRAULIC CALCULATIONS FOR UNIFORM DISTRIBUTION OF WATER OVER DESIGN AREA. OCCUPANCY HAZARD SHALL BE AS REQUIRED BY NFPA 13.
   a. LIGHT HAZARD: OFFICES, WASHROOMS, CORRIDORS, CHANGE ROOMS, ETC.
   b. ORDINARY HAZARD GROUP I: JANITOR ROOMS, MECHANICAL ROOMS, ELECTRICAL ROOMS, ETC.
   c. ORDINARY HAZARD GROUP 2: STORAGE ROOMS, ETC.
5. ALL SHUTOFF VALVES AND ISOLATING VALVES SHALL BE SUPPLIED WITH ULC LISTED MONITOR SWITCHES FOR ELECTRICAL SUPERVISION OF VALVE.
6. PROVIDE PRESSURE SWITCHES FOR ELECTRICAL SUPERVISION OF WATER SUPPLY PRESSURES.
7. ALL WIRING NECESSARY FOR SPRINKLER ALARMS AND ELECTRICAL SUPERVISION WILL BE DONE BY ELECTRICAL CONTRACTOR.
8. THESE SPECIFICATIONS FOR THE SPRINKLER FIRE PROTECTION SYSTEMS ARE PERFORMANCE SPECIFICATIONS AND ARE INTENDED TO ESTABLISH DESIGN CRITERIA AND BASIC GUIDELINES FOR THE WORK. THE SPRINKLER CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR THE LAYOUT AND DETAILS OF ALL FIRE PROTECTION WORK TO MEET THE REQUIREMENTS OF ALL APPLICABLE STANDARDS, LOCAL GOVERNING CODES AND REGULATIONS, TO THE APPROVAL OF THE ONTARIO FIRE MARSHALL, AND THE OWNER'S INSURANCE UNDERWRITER.
9. ALL HEADS IN THE WAREHOUSE AREAS / MECHANICAL / SERVICE AND EXPOSED CEILING SPACES UNLESS NOTED OTHERWISE SHALL BE EQUAL TO TYCO FIRE PROTECTION PRODUCTS SERIES TY-FRB UPRIGHT AND PENDANT SPRINKLERS QUICK RESPONSE, STANDARD COVERAGE: LOW HEADS SHALL BE EQUIPPED WITH GUARDS.
   a. TYCO MODELS:
      - TY3131 - UPRIGHT 5.6K, 1/2" NPT
      - TY3231 - PENDANT 5.6K, 1/2" NPT
      - TY4131 - UPRIGHT 8.0K, 3/4" NPT
      - TY4231 - PENDANT 8.0K, 3/4" NPT
   b. CONTRACTOR TO PROVIDE HEAD GUARDS ON ALL SPRINKLER HEADS IN THE FOLLOWING AREAS:
      - WAREHOUSE, STORAGE AREAS, IT ROOMS, ELECTRICAL ROOMS, CHANGE ROOMS, AND ALL AREAS WITH EXPOSED CEILINGS IN PUBLIC AREAS.
10. ALL HEADS IN AREAS OF T-BAR OR DRYWALL CEILINGS UNLESS NOTED OTHERWISE SHALL BE EQUAL TO TYCO FIRE PROTECTION PRODUCTS SERIES TY-FRB - 5.6 K FACTOR PENDENT SPRINKLERS QUICK RESPONSE, STANDARD COVERAGE.
    a. TYCO MODELS:
       - TY3231 - PENDENT 5.6K, 1/2" NPT (3-MM BULB)
       - TY3251 - PENDENT 5.6K, 1/2" NPT (5-MM BULB)
    b. ESCHUTCHEON PLATE TO BE PROVIDED FOR EACH HEAD IN DRYWALL OR T-BAR CEILING.
11. ALL PENDANT TYPE SPRINKLER HEADS SHALL BE PROVIDED WITH VICTAULIC VICFLEX SPRINKLER FITTINGS SERIES AH2 AND/OR AH2-CC BRAIDED FLEXIBLE HOSES OR HARD PIPED (COORDINATE FINAL HEIGHT OF SPRINKLER HEAD WITH FINISHED CEILINGS TO ENSURE THAT SPRINKLER HEADS ARE FLUSH WITH FINISHED CEILINGS - GAPS BETWEEN CONCEALED HEADS AND FINISHED CEILINGS (I.E. IN BULKHEADS) WILL NOT BE ACCEPTED).
12. CONTRACTOR TO NOTE THAT THE PATTERN OF PENDANT SPRINKLERS SHALL BE IN THE CENTER OF THE TILES, MAINTAINED STRAIGHT AND TRUE IN BOTH DIRECTIONS, AND SHALL BE CO-ORDINATED WITH LIGHTING AND DIFFUSERS IN ORDER TO MAKE FOR AN ARCHITECTURALLY ACCEPTABLE PATTERN.
13. UNDERWRITER'S APPROVED HANGERS TO BE HUNG FROM STRUCTURE. UNDER NO CIRCUMSTANCES SHALL SPRINKLER PIPING HANG FROM DUCTWORK. THIS CONTRACTOR IS TO PROVIDE SECONDARY STEEL SUPPORTS WHERE PIPING UNDER DUCTS CANNOT BE SUPPORTED DIRECTLY FROM STRUCTURE.
14. COORDINATION WITH THE DUCTWORK, LIGHTING AND EQUIPMENT LAYOUTS WILL BE REQUIRED IN A NUMBER OF SPACES
15. ALL WIRING NECESSARY FOR SPRINKLER ALARMS AND ELECTRICAL SUPERVISION WILL BE DONE BY ELECTRICAL CONTRACTOR. COORDINATE EXTENT AS REQUIRED TO SUIT APPROVED SHOP DRAWINGS
16. CONTRACTOR SHALL PAY ALL NECESSARY CHARGES HE INCURS FROM UNDERWRITERS FOR THEIR REVIEW OF THESE DRAWINGS.
17. SPRINKLER ENGINEER TO LOCATE ALL RISERS AND SPRINKLER MAINS AS SHOWN IN EXISTING PLUMBING CHASES AND/OR MECHANICAL SHAFTS, AS WELL AS TO PROVIDE DESIGN THAT WORKS WITH EXISTING MECHANICAL AND ELECTRICAL CEILING LAYOUTS WITH NO MODIFICATIONS. COORDINATE ALL SPRINKLER PIPING WITH HVAC CONTRACTOR TO AVOID INTERFERENCES WITH DUCT RUNS. LOCATE ALL SPRINKLER PIPING TIGHT TO UNDERSIDE OF STRUCTURE AND RUN ALL SPRINKLER PIPING THROUGH OWSJ.
18. SPRINKLER CONTRACTOR TO COORDINATE RIGID PIPED SPRINKLER CONNECTIONS TO DRAIN WITH GENERAL CONTRACTOR AND PLUMBING CONTRACTOR PRIOR TO PLUMBING ROUGH-INS BEING CONCEALED. USE OF FLOOR DRAINS OR JANITOR SINKS AS DRAINAGE POINTS WILL NOT BE PERMITTED.

ZONING LEGEND		
	OFFICE	SP-1
	WAREHOUSE/ MEZZANINE	SP-2
	LOCKERS	SP-3



2 M510 Mezzanine - Sprinkler Zoning Plan
1 : 100

2026-06-29 11:00:55 AM

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

LICENSED PROFESSIONAL ENGINEER
26539
June 29th 2026
A. M. J. CAMIRAND
100547308
PROVINCE OF ONTARIO

ISSUANCE

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT & TENDER

PROJECT NORTH TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ENGINEER.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ENGINEER.

PROJECT

TOWN OF SMITHS FALLS

PUBLIC WORKS OPERATIONS CENTRE

11 AIR CARE DR,
SMITHS FALLS, ON. K7A 0B2

IDEA # **26539**
CLIENT #

DRAWN BY **LS**
CHECKED BY **AC**

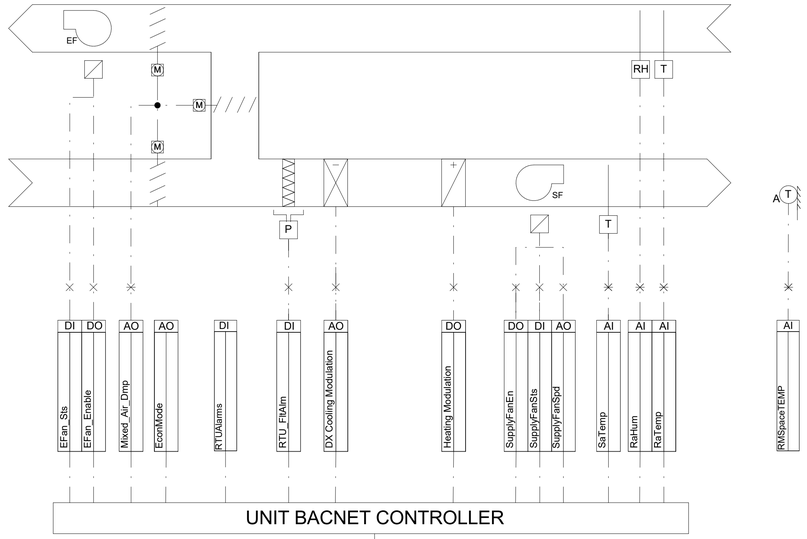
DATE **2026-06-29**
SCALE **1 : 100**

SHEET NAME

SPRINKLER ZONING PLANS

SHEET NO **M510**

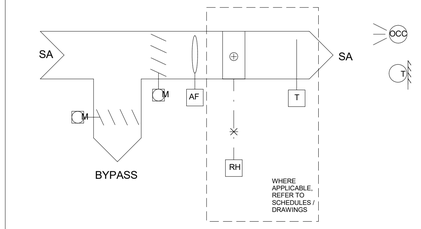
D (24"x36")



BAS TO MONITOR ALL POINTS FROM UNIT CONTROLLER.
BAS TO SEND (PROVIDED BY DIV. 25):
- UNIT ENABLE (START/STOP)
- SA STATIC PRESSURE
- MODE OF OPERATION (HEATING, COOLING, FAN MODE)

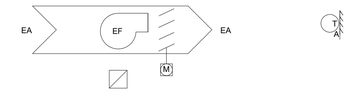
PACKAGED HVAC UNIT - AHU-1

NOTES
1. RTU's SHALL BE PROVIDED C/W BACNET CONTROLLERS FOR INTEGRATION WITH BAS BY DIV. 25.
2. DIV. 25 TO COORD WITH SHOP DRAWINGS TO FIELD INSTALL LOOSE SENSORS AND MAP POINTS.



AO	VAV REHEATCTRL
AO	VAV SUPPLY DAMPER
AO	VAV BYPASS DAMPER
AI	VAV AIRFLOW
BAC	ROOM OCCUPANCY
AI	RMS SPACE TEMP
AI	CO2

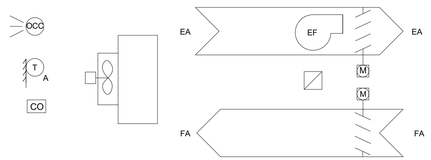
TYP. VOLUME BOX WITH BYPASS



DO	EA DAMPER
DO	FAN ENABLE
AI	FAN STATUS
AI	ROOM TEMP
DI	RM OCCUPANCY

NOTES
1. INTERLOCK EF CONTROL WITH ASSOCIATED AHU / VAV CONTROL (WHERE APPLICABLE)
2. COORDINATE INTERCONNECTION WITH RANGE HOOD CONTROLLER WITH MANUFACTURES WIRING DIAGRAM.

TYP. EF CONTROL



DO	EF DAMPER
AO	EF SPEED
AI	EF STS
DO	FA DAMPER
DO	UH ENABLE
DI	RM OCCUPANCY
AI	SPACE TEMP

NOTES
1. PROVIDE END SWITCHES VERIFICATION FOR ALL MOTORIZED DAMPERS / LOUVERS IN THESE SPACES.

TYP. ELEC/MECH RM CONTROL

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

LICENSED PROFESSIONAL ENGINEER
26539
June 29th 2026
A. M. J. CAMIRAND
100547308
PROVINCE OF ONTARIO

ISSUANCE

NO	DATE	ISSUE
A	2026-06-01	ISSUED FOR FINAL REVIEW
B	2026-06-29	ISSUED FOR PERMIT & TENDER

PROJECT NORTH | TRUE NORTH

GENERAL NOTES
1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ENGINEER.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ENGINEER.

PROJECT
TOWN OF SMITHS FALLS
PUBLIC WORKS OPERATIONS CENTRE
11 AIR CARE DR,
SMITHS FALLS, ON. K7A 0B2

IDEA # **26539** | CLIENT #
DRAWN BY **LS** | CHECKED BY **AC**
DATE **2026-06-29** | SCALE **1 : 100**
SHEET NAME
CONTROLS SCHEMATICS I

SHEET NO
M600
D (24"x36")

2026-06-29 11:00:56 AM

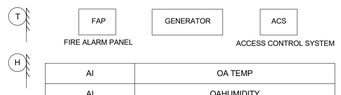
GENERAL CONTROLS NOTES

1.	REVIEW MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR SCOPE BY THIS DIVISION. THERE ARE CONTROLS DETAILS THAT ARE MOST APPROPRIATELY SHOWN ON THE DETAILS OF OTHER DIVISIONS
2.	ALL LINE VOLTAGE POWER WIRING BY ELECTRICAL CONTRACTOR, ALL LOW VOLTAGE CONTROL, NETWORK WIRING, INTERLOCK AND SAFETY WIRING IS BY THIS DIVISION. BE SURE TO REVIEW MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR DEVICES PROVIDED AS PART OF OTHER MECHANICAL DIVISION'S SUPPLY (IE: BOILER VENT SAFETY DEVICES, LOW VOLTAGE LOW WATER CUTOFF DEVICES, HUMIDIFIER HIGH LIMIT DEVICES, ALARMS CONTROL PANEL INTERLOCKS ETC...)
3.	DIVISION 25 TO SUPPLY ALL NECESSARY ACCESS DOORS FOR DIV 25 SERVICES AND EQUIPMENT IN ACCORDANCE WITH SPECIFICATION SECTION 08 31 00. TURN OVER TO DIVISION 9 FOR INSTALLATION. TURN OVER TO DIVISION 9 FOR INSTALLATION
4.	DIV 25 TO PROVIDE ALL THERMOWELLS FOR INSTALLATION OF CONTROLS DEVICES IN PIPING OR DUCTWORK. TURN OVER TO THE APPROPRIATE MECHANICAL TRADE FOR INSTALLATION.
5.	DIV 25 TO COORDINATE SENSOR PLACEMENT LOCATION WITH ASSOCIATED TRADES TO ALLOW FOR INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH SENSOR RECOMMENDED INSTALLATION REQUIREMENTS.
6.	EACH CONTROL CABINET LOCATION SHALL INCLUDE A SELF CONTAINED UPS UNIT TO PROVIDE BACKUP POWER TO THE CPU AND COMPONENTS FOR A MINIMUM OF ONE HOUR.
7.	LOCATE THE BAS CONTROL PANELS IN IT/ELECTRICAL/MECHANICAL ROOMS WHERE CIRCUITS ARE PROVIDED FOR THEM. REFER TO ELECTRICAL PLANS AND PANEL SCHEDULES FOR LOCATIONS.
8.	PROVIDE SURGE SUPPRESSION MODULES FOR EACH BAS CONTROLLER
9.	REFER TO DIV. 25 SPECIFICATIONS FOR FURTHER INFORMATION REGARDING THIS EQUIPMENT.
10.	PROVIDE POWER SUPPLIES AND TRANSFORMERS AS REQUIRED FOR TRANSMITTERS, SENSORS SUPPLIED BY OR CONNECTED TO BY THIS DIVISION
11.	ALL MOTORIZED DAMPER ACTUATORS SHALL BE LOW VOLTAGE, AND ARE PROVIDED BY DIV. 25. COORDINATE WITH MECHANICAL TRADE FOR SIZES, LOCATIONS, QUANTITIES.
12.	ALL CONTROLLER /ACTUATORS FOR VOLUME BOXES ARE PROVIDED BY DIV 25. COORDINATE WITH MECHANICAL TRADE FOR SIZES, LOCATIONS, QUANTITIES.
13.	ALL CONTROL VALVES AND ACTUATORS ARE PROVIDED BY DIV 25, TURN OVER TO MECHANICAL PIPING DIVISIONS FOR INSTALLATION
14.	CONTROL VALVE SIGNALS SHALL BE 2-10V OR 4-20mA, FLOATING SIGNALS ARE NOT ACCEPTABLE. PROVIDE END SWITCH VERIFICATION WHERE REQUIRED AND INDICATED
15.	REFER TO VALVE SCHEDULES FOR CONSIDERABLE SPECIFIED VALVES AND/OR PIPING DETAIL SHEETS FOR SMALLER, LINE SIZE VALVES SERVICING FORCE FLOW HEATERS, RADIATORS, UNIT HEATERS, REHEAT COILS, MANIFOLD CABINETS ETC.

CONTROLS GENERAL SCOPE OF WORK

AS A PART OF THIS SCOPE OF WORK, DIV. 25 WILL BE REQUIRED TO:

- REVIEW THE SYSTEM / NETWORK REQUIREMENTS TO ACHIEVE THE SEQUENCE OF OPERATIONS, CONTROLLING EQUIPMENT AND DEVICES WHILE LEAVING 10% SPARE CAPACITY FOR FUTURE GROWTH
- PROVIDE SHOP DRAWINGS, AS-BUILT DRAWINGS, AND OPERATION & MAINTENANCE MANUALS
- PROVIDE NEW CONTROLLERS, SENSORS, WIRING, PROGRAMMING, ETC. AS REQUIRE TO COMPLETE THE SYSTEM IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS.
- COORDINATE CONNECTION REQUIREMENTS WITH THE FINAL EQUIPMENT SHOP DRAWINGS.
- COORDINATE WITH THE GC AND OTHER TRADES FOR INSTALLATION AND PARTICIPATION THROUGHOUT SYSTEM COMMISSIONING
- PROVIDE ONSITE TRAINING AND SETUP OF SCHEDULES / USER ACCESS, ETC.

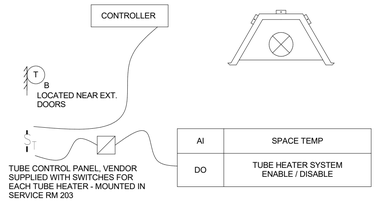


AI	OA TEMP
AI	OAHUMIDITY
DI	FIRE ALARM - ALARM
DI	FIRE ALARM SUPERVISORY
DI	CO MONITORING (MECH/ELEC 113)
DO	ACCESS CONTROL SYSTEM
DI	GENERATOR RUN
DI	GENERATOR SUPERVISORY

NOTES

1. COORDINATE LOCATION OF OUTSIDE AIR SENSORS ON SITE WITH CONSULTANT PRIOR TO ROUGH IN. OAT / OAH TO BE BROADCAST TO VARIOUS HVAC UNIT CONTROLLERS
2. DIV. 25 TO COORDINATE ALL EQUIPMENT AND CONTROLS/PROGRAMMING AS NEEDED TO INTEGRATE SYSTEM INTERCONNECTIONS INDICATED.
3. COORDINATE WITH DIV. 26 FOR INTEGRATION OF FIRE ALARM AND ACCESS CONTROL SYSTEMS. REFER TO FIRE ALARM SEQUENCE OF OPERATIONS SECTION 28 31 01
4. THIS SECTION RESPONSIBLE FOR STAND-ALONE OCC. SENSORS FOR SPACES REQUIRING OCCUPANCY CONTROL WHERE A NETWORKED CONTROL DEVICE MAY NOT BE PROVIDED AND IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO COORDINATE SPECIFIC REQUIREMENTS AT TIME OF TENDER PRICING AND FOR CONFIRMATION AT TIME OF CONTROLS SHOP DRAWING REVIEW.

GENERAL / GLOBAL INPUTS



AI	SPACE TEMP
DO	TUBE HEATER SYSTEM ENABLE / DISABLE

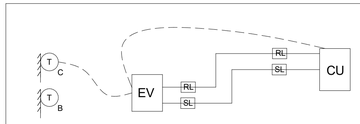
NOTES

1. EQUIPMENT CONTROLLER AND REMOTE TIMER SWITCHES TO BE PROVIDED BY VENDOR
2. PROVIDE CONTROLS ROUGH-INS AND WIRING PER MANUFACTURERS RECOMMENDATIONS
3. BAS TO MONITOR SPACE TEMPERATURE FROM EACH THERMOSTAT IN SERVICE GARAGE.
4. BAS TO PROVIDE 120V RELAY TO CUT OUT POWER TO MASTER CONTROL PANEL TO DISABLE TUBE HEATERS BASED ON HIGH TEMP OR OCCUPANCY SCHEDULE.

TYP. RADIANT TUBE HEATER CONTROL

LEGEND - CONTROLS

SYMBOL	DESCRIPTION
T A T B T C	TEMPERATURE SENSORS A - LCD BACKLITE USER ADJ. C/W OCC SENSOR B - SENSOR W/SS COVERPLATE C- VENDOR SUPPLIED
RH H	HUMIDITY SENSOR
CO2	CARBON DIOXIDE SENSOR
A	ALARM CONTACT
M	MOTORIZED DAMPER
P P	DIFFERENTIAL / STATIC PRESSURE
OCC	OCCUPANCY SENSOR
AF	AIR FLOW
FS	FLOW SWITCH
M	MOTORIZED CONTROL VALVE
FM	FLOW METER

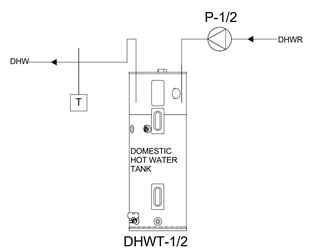


AI	SPACE TEMPERATURE
BAC IP - IN	MONITOR ALL POINTS
BAC IP - OUT	UNIT ENABLE / DISABLE REMOTE SETPOINT OVERRIDE

NOTES

1. EV CONTROLLER AND REMOTE THERMOSTAT TO BE PROVIDED BY VENDOR
2. PROVIDE CONTROLS ROUGH-INS AND WIRING PER MANUFACTURERS RECOMMENDATIONS

TYP. SPLIT COOLING UNIT CONTROL

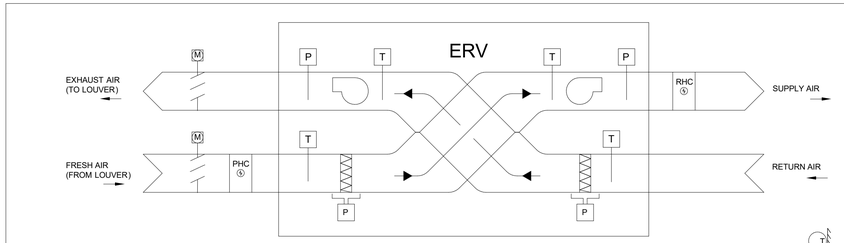


DI	DHWT ALARM
DO	RECIRC PUMP CMD
AI	RECIRC PUMP STS
AI	DHWS TEMP

NOTES

1. COORDINATE CONNECTION TYPE WITH DHWT CONTROLLER SHOP DRAWINGS FOR ALARM RELAY CONTACT

TYP. DOMESTIC HOT WATER RECIRCULATION



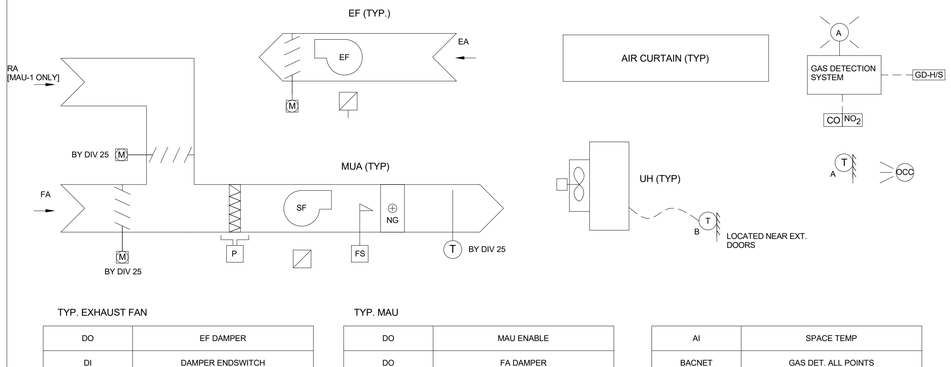
AI	OA FILTER STATUS
AI	RA FILTER STATUS
AI	SA AIR FLOW PRESSURE
AI	EA AIR FLOW PRESSURE
AI	OA HUMIDITY
DI	ERV ALARM
AI	SPACE TEMP

DO	ERV ENABLE
AO	FRESH AIR DAMPER
AO	EXHAUST AIR DAMPER
AO	FAN COMMAND (PER FAN)
AI	FAN STATUS (PER FAN)
AO	ELEC PREHEAT CTRL
AO	ELEC REHEAT CTRL
AI	SAT
AI	OAT
AI	EAT
AI	RAT

NOTES

1. ALL SENSORS INTERNAL TO THE UNIT TO BE PROVIDED BY VENDOR. DIV. 25 TO COORDINATE WITH DIV. 23 FOR REQUIRED FIELD WIRING.

TYP. ERV CONTROL



TYP. EXHAUST FAN

DO	EF DAMPER
DI	DAMPER ENDSWITCH
AO	EF SPEED
AI	EF STS

TYP. MAU

DO	MAU ENABLE
DO	FA DAMPER
DI	FA DAMPER ENDSWITCH
DO	RA DAMPER (MAU-1 ONLY)
DI	RA DAMPER ENDSWITCH (MAU-1 ONLY)
AO	FAN SPEED
AI	FAN STS
AI	LEAVING AIR TEMP
AO	HEATING
DI	FILTER STS
BAC	ALL ALARMS

AI	SPACE TEMP
BACNET	GAS DET. ALL POINTS
DI	GAS DET HIGH LIMIT ALARM
DO	UNIT HEATER ENABLE (PER UH)
DO	AIR CURTAIN ENABLE(PER AC)
DI	OCCUPANCY
DO	FA DAMPER
DI	DOOR CONTACT (PER OVERHEAD DOOR)

NOTES

1. MAU SHALL BE PROVIDED BY THE VENDOR COMPLETE WITH UNIT CONTROLLER AND INTEGRAL SENSORS AND ALL SAFETIES WIRED BACK TO A TERMINAL STRIP FOR CONNECTION BY BAS
2. FA DAMPER AND SAT TO BE PROVIDED BY DIV 25 AND INTERCONNECTED WITH UNIT CONTROLS
3. DIV 25. TO COORDINATE WITH THE UNIT MANUFACTURER TO MAP ALL BACNET POINTS TO MONITOR OPERATIONS AND ALARMS WITHIN THE UNIT.
4. DIV 25 TO INTEGRATE WITH THE UNIT CONTROLLER TO PROVIDE INPUTS AS SHOWN AND AS REQUIRED TO ACHIEVE THE SEQUENCE OF OPERATION.
5. DIV 25 TO COORDINATE INSTALLATION OF OVERHEAD DOOR CONTACTS FOR CONTROL OF AIR CURTAINS & UNIT HEATERS TO ACHIEVE SEQUENCE OF OPERATION.

TYP. MUA / EF CONTROL

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

LICENSED PROFESSIONAL ENGINEER
26539
June 29th 2026
A. M. J. CAMIRAND
100547308
PROVINCE OF ONTARIO

ISSUANCE

NO	DATE	ISSUE
A	2026-06-01	ISSUED FOR FINAL REVIEW
B	2026-06-29	ISSUED FOR PERMIT & TENDER

PROJECT NORTH TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ENGINEER.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ENGINEER.

PROJECT

TOWN OF SMITHS FALLS

PUBLIC WORKS OPERATIONS CENTRE

11 AIR CARE DR,
SMITHS FALLS, ON. K7A 0B2

IDEA # **26539**
CLIENT #

DRAWN BY **LS**
CHECKED BY **AC**

DATE **2026-06-29**
SCALE **1 : 100**

SHEET NAME

CONTROLS SCHEMATICS II

SHEET NO

M610

D (24"x36")

2026-06-29 11:00:57 AM

ELECTRICAL SPECIFICATIONS

1.0 ELECTRICAL SPECIFICATIONS

1.1 REFERENCE
COMPLY WITH GENERAL CONDITIONS OF THE CONTRACT AND DIVISION 1.

1.2 INTENT
PROVIDE EACH ITEM MENTIONED OR INDICATED OF QUALITY AND SUBJECT TO QUALIFICATIONS NOTED; PERFORM ACCORDING TO CONDITIONS STATED EACH OPERATION PRESCRIBED; AND PROVIDE THEREFORE ALL LABOUR, MATERIAL, EQUIPMENT, INCIDENTALS AND SERVICES REQUIRED TO COMPLETE THE INSTALLATION.

1.3 CUTTING, PATCHING, FINISHING AND FIRE STOPPING
A) ALL CUTTING, PATCHING, FINISHING, AND PAINTING OF EXISTING PARTITIONS FOR ELECTRICAL DIVISIONS (26, 27 & 28) TO BE BY THE RESPECTIVE DIVISION IN COORDINATION WITH THE GENERAL CONTRACTOR. ELECTRICAL DIVISIONS TO REVIEW ARCHITECTURAL DRAWINGS FOR NEW AND EXISTING WALLS AND CARRY FOR THE ABOVE IN THEIR SCOPE OF WORK TO REMOVE AND RELOCATE EXISTING ELECTRICAL DEVICES AND INSTALL NEW ELECTRICAL DEVICES IN EXISTING WALLS. PAINT TO BECOORDINATED WITH GENERAL CONTRACTOR. REVIEW LIFE SAFETY PLANS FOR FIRE RATED WALLS.

B) PROVIDE FIRESTOPPING IN AND AROUND ALL PENETRATIONS MADE FOR CONDUITS, CABLES OR TRAYS.

1.4 RECORD DRAWINGS
MAKE A SET OF WHITE PRINTS AS THE JOB PROGRESSES, CHANGES MADE THROUGH ANY APPROVED CHANGE ORDER AS WELL AS THE LOCATION OF FEEDERS, CONDUIT RUNS, JUNCTION BOXES, AND ALL CHANGES IN CIRCUITING, LOCATION OF EQUIPMENT, RUNS OF CONDUITS, WIRING, ETC. FROM THAT ORIGINALLY SHOWN, SO THAT ON THE COMPLETION OF THE JOB THE RECORD DRAWINGS WILL SHOW THE EXACT LOCATION AS ACTUALLY INSTALLED. LOCATION OF CONCEALED AND BURIED DUCTS, CONDUITS AND CABLES SHALL BE DIMENSIONED FROM FIXED REFERENCE POINTS. RECORD DRAWINGS SHALL BE KEPT AT THE SITE AND SHALL BE BROUGHT UP TO DATE AS THE WORK PROGRESSES. SUBMIT COMPLETED RECORD DRAWINGS BEFORE FINAL CERTIFICATE OF JOB ACCEPTANCE IS ISSUED.

1.5 DOCUMENTS REQUIRED
THE FOLLOWING DOCUMENTS SHALL BE SUBMITTED TO THE CONSULTANT ON THE COMPLETION OF THE PROJECT AS DESCRIBED ABOVE;
- ELECTRICAL INSPECTION CERTIFICATE
- AS-BUILT DRAWINGS
- GUARANTEE
- FIRE ALARM VERIFICATION

1.6 GUARANTEES
AFTER THE WORK IS COMPLETE BUT BEFORE FINAL PAYMENT, GIVE THE OWNER A WRITTEN GUARANTEE THAT YOU WILL, AT NO CHARGE TO THE OWNER, REPLACE OR REPAIR ANY DEFECTS IN WORKMANSHIP AND MATERIALS NOT DUE, IN THE OPINION OF THE CONSULTANT TO MISUSE OR NEGLECT. GUARANTEE SHALL COVER A PERIOD OF 12 MONTHS FROM THE DATE OF ACCEPTANCE OF THE WORK BY THE CONSULTANT. THIS GUARANTEE SHALL IN NO WAY SUPPLANT ANY OTHER GUARANTEE OR GUARANTEES OF LONGER PERIOD, BUT SHALL BE BINDING ON ALL OTHER WORK NOT OTHERWISE COVERED.

1.7 CODES, PERMITS AND INSPECTION
A) ALL WORK SHALL COMPLY STRICTLY TO THE REQUIREMENTS OF THE LATEST EDITIONS OF THE CANADIAN ELECTRICAL `CSA' CODE AS ADOPTED AND AMENDED BY PROVINCIAL REGULATIONS AND THE ONTARIO BUILDING CODE. THESE CODES AND ANY ADDITIONAL REQUIREMENTS OF THE POWER UTILITY SHALL FORM AN INTEGRAL PART OF THIS SPECIFICATION. ALL EQUIPMENT SHALL BE CSA APPROVED. WHERE DRAWING CALLS FOR EQUIPMENT, WIRING OR OTHER REQUIREMENTS EXCEEDING THE MINIMUM REQUIREMENTS OF THE CODE, THE DRAWING SHALL BE FOLLOWED.

B) PAY ALL FEES FOR EXAMINATION OF DRAWINGS AND OBTAIN ALL PERMITS REQUIRED AND PAY ALL PERMIT AND INSPECTION FEES.

C) ARRANGE FOR INSPECTION OF ALL WORK BY THE ELECTRICAL SAFETY AUTHORITY AND BUILDING INSPECTION DEPARTMENT. ON COMPLETION OF THE WORK, PRESENT TO THE OWNER THE FINAL UNCONDITIONAL CERTIFICATE OF APPROVAL.

1.8 SHOP DRAWINGS
ON AWARD OF CONTRACT, SUBMIT FOR REVIEW LIST OF DELIVERY DATES AND SHOP DRAWINGS FOR ALL EQUIPMENT.

1.9 ELECTRICAL MATERIALS and METHODS
ALL MATERIALS SHALL BE NEW AND FREE FROM DEFECTS, NOISE AND VIBRATION. ALL EQUIPMENT SHALL BE CSA APPROVED, OR WITH SPECIAL ELECTRICAL SAFETY AUTHORITY APPROVAL.

1.10 COORDINATION
SCHEDULE AND COORDINATE ALL WORK WITH OTHER TRADES. RELOCATE OR REPLACE CONDUIT OR EQUIPMENT WHICH INTERFERES WITH OTHER TRADES DUE TO LACK OF COORDINATION WITH OTHER TRADES.

1.11 TEMPORARY USAGE
THE OWNER SHALL HAVE TEMPORARY USE OF INSTALLATION PRIOR TO FINAL ACCEPTANCE.

1.12 EXTRAS, RELOCATION OF EQUIPMENT
ALL CLAIMS FOR EXTRAS SHALL BE SUPPORTED BY WRITTEN AUTHORIZATION AND ITEMIZED MATERIAL AND LABOUR COST BREAKDOWNS. THERE SHALL BE NO EXTRA CLAIM FOR RELOCATION OF ANY EQUIPMENT WITHIN 3m (10 FEET) OF THE ORIGINAL LOCATION PROVIDED THE REQUEST TO RELOCATE IT IS GIVEN BEFORE IT IS INSTALLED.

1.13 IDENTIFICATION
ALL ELECTRICAL EQUIPMENT MOUNTED AND CONNECTED BY THIS CONTRACTOR, WHETHER SUPPLIED BY HIM OR NOT, SHALL BE IDENTIFIED BY MEANS OF PLASTIC NAMEPLATES WITH LETTERING ENGRAVED TO MATCH TAGS ON DRAWINGS.

1.14 WIRING METHOD
A) ALL WIRING SHALL BE CONCEALED WHERE POSSIBLE EXCEPT THAT CONDUITS IN ELECTRICAL ROOMS AND OTHER AREAS NOTED MAY BE INSTALLED ON SURFACE.
i) RIGID STEEL CONDUITS USED IN ALL EXPOSED WIRING SUBJECT TO MECHANICAL DAMAGE. ALL AREAS REQUIRED BY CODE.
ii) EMT CONDUITS CAN BE USED WHERE PERMITTED BY CODE: EXPOSED WIRING AND IN FURRED WALLS.

B) ARMORED FLEXIBLE CABLE (BX) MAY BE USED FOR FINAL CONNECTIONS TO LIGHTING, RECEPTACLES AND MOTOR BRANCH CIRCUITS CONCEALED IN DRY ACCESSIBLE CEILING SPACES AND IN HOLLOW PARTITIONS.

C) WALL BOXES SHALL BE STANDARD SWITCH BOXES, RECESSED, MOUNTED AT THE HEIGHT AND LOCATION SHOWN UNLESS OTHERWISE NOTED. STAGGER BACK TO BACK OUTLET BOXES TO OBVIATE NOISE TRANSMISSION.

D) PROVIDE SEPARATE NEUTRAL AND GROUND WIRE FOR EACH RECEPTACLE CIRCUIT. COMMON NEUTRALS SHALL NOT BE PERMITTED.

ELECTRICAL SPECIFICATIONS

1.15 CONDUCTORS
ALL CONDUCTORS SHALL BE COPPER 600V GRADE WITH INSULATION TYPE RW90 OR AS NOTED. MINIMUM CONDUCTOR SIZE SHALL BE # 12AWG AND COLOUR CODED.

1.16 MATERIALS
A) DISCONNECT SWITCHES SHALL BE HORSEPOWER RATED, FUSES SHALL BE HRC FORM 1.
B) FOR LIGHTING PANELS SHOWN ON THE DRAWINGS AS EXISTING, PROVIDE BREAKERS TO MATCH AS REQUIRED.

1.17 EMERGENCY AND EXIT WIRING
PROVIDE EMERGENCY AND EXIT LIGHTING AS SHOWN ON THE DRAWINGS. A) WIRING FOR EMERGENCY LIGHTING SYSTEMS SHALL BE IN ACCORDANCE WITH SECTION 46 OF THE OESC AND SHALL TURN "FULL ON" IN THE EVENT OF A NORMAL POWER FAILURE OR FAILURE OF THE LIGHTING CIRCUIT SERVICING EACH AREA TO ENSURE EMERGENCY EGRESS LIGHTS TURN ON IF NORMAL POWER LIGHTING IS LOST.

B)ALL UNIT EQUIPMENT PROVIDE WIRING FROM BATTERY PACK TO BE SIZED AS NECESSARY TO MAINTAIN MAXIMUM 5% VOLTAGE DROP AT REMOTE HEAD FARTHEST FROM BATTERY UNIT.

1.18 WIRING FOR MECHANICAL WORK
MECHANICAL TRADE WILL SUPPLY ALL STARTERS, CONTROL TRANSFORMERS AND CONTROLS FOR EQUIPMENT SUPPLIED BY THEM AND WILL MOUNT ALL THESE EXCEPT FOR WALL MOUNTED STARTERS AND WALL MOUNTED LINE VOLTAGE CONTROLS, WHICH SHALL BE MOUNTED BY ELECTRICAL TRADE. ELECTRICAL TRADE SHALL DO ALL POWER WIRING, WHICH IS WIRING WHICH CARRIES THE LOAD CURRENT OF THE MOTOR, HEATER, HVAC OR OTHER EQUIPMENT SUPPLIED BY MECHANICAL TRADE. MECHANICAL TRADE WILL DO ALL OTHER RELATED WIRING. i.e. CONTROL WIRING.

1.19 QUANTITIES
IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL MATERIAL QUANTITIES AND LENGTHS SHOWN IN THESE DRAWING FOR CORRECTNESS.

1.20 SEISMIC
THE CONTRACTOR IS HEREBY NOTIFIED THAT THIS PROJECT IS BEING CONSTRUCTED IN A SEISMIC ZONE. PROVIDE SEISMICALLY RATED EQUIPMENT AND SEISMIC CALCULATIONS FOR EQUIPMENT AND CONDUIT RUNS BY THE ELECTRICAL CONTRACTOR'S SEISMIC ENGINEER.

2.0 FIRE ALARM SYSTEM

2.1 SUPPLY AND INSTALL EQUIPMENT AND ACCESSORIES NOTED ON DRAWINGS FOR FIRE ALARM SYSTEM.

2.2 COMPLETE INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS OF THE CAN/ULC S524 `STANDARD FOR THE INSTALLATION OF FIRE ALARM SYSTEMS'.

2.3 WHERE THE REQUIREMENTS OF THIS SECTION EXCEED THE MINIMUM REQUIREMENTS OF THE ULC STANDARD, THESE SPECIFICATIONS SHALL GOVERN.

2.4 THERMAL DETECTORS SHALL HAVE TWIST LOCK MOUNTING FOR EASE OF MAINTENANCE, TESTING AND REPLACEMENT. ACTIVATION OF THE FIXED TEMPERATURE ELEMENT IN THE DETECTOR SHALL BE INDICATED BY A VISIBLE MEANS.

2.4 ADDITION OF PARAGRAPH - CAN UNCHECK THE ONE ABOVE TO USE THIS ONE

2.5 WIRING SHALL BE SIZED IN ACCORDANCE WITH CLASS 2 REQUIREMENTS, AND SHALL BE PROTECTED FROM MECHANICAL INJURY OR OTHER INJURIOUS CONDITIONS SUCH AS MOISTURE, EXCESSIVE HEAT OR CORROSIVE ACTION IN ACCORDANCE WITH CLASS 1 REQUIREMENTS. CONDUCTORS SHALL BE SOLID COPPER, SIZED TO SYSTEM MANUFACTURER'S REQUIREMENTS.

2.6 VERIFICATION AND CERTIFICATION OF FIRE ALARM EQUIPMENT SHALL COMPLY WITH THE REQUIREMENTS OF CAN/ULC STANDARDS S536 AND S537. THE MANUFACTURER SHALL MAKE AN INSPECTION OF THE FIRE ALARM EQUIPMENT, INCLUDING THOSE COMPONENTS NECESSARY TO THE DIRECT OPERATION OF THE SYSTEM SUCH AS MANUAL STATIONS, THERMAL DETECTORS AND CONTROLS, WHETHER OR NOT MANUFACTURED BY THE MANUFACTURER. THE INSPECTION SHALL COMPRISE AN EXAMINATION OF SUCH EQUIPMENT FOR THE FOLLOWING;
A) THAT THE TYPE OF EQUIPMENT INSTALLED IS THAT DESIGNATED IN THE SPECIFICATIONS.

B) THAT THE WIRING CONNECTIONS TO ALL EQUIPMENT COMPONENTS SHOW THAT THE INSTALLER UNDERTOOK TO HAVE OBSERVED ULC AND CSA REQUIREMENTS.

C) THAT EQUIPMENT OF THE MANUFACTURER'S HAS BEEN INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS, AND THAT ALL SIGNALING DEVICES OF WHATEVER MANUFACTURER HAVE BEEN OPERATED OR TESTED TO VERIFY THEIR OPERATION; AND

D) THAT THE SUPERVISORY WIRING OF THOSE ITEMS OF EQUIPMENT CONNECTED TO A SUPERVISED CIRCUIT IS OPERATING AND THAT THE GOVERNMENTAL REGULATIONS, IF ANY, CONCERNING SUCH SUPERVISORY WIRING, HAVE BEEN MET TO THE SATISFACTION OF INSPECTING OFFICIALS.

2.7 THE MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE WITH RESPECT TO ANY CHANGES NECESSARY TO CONFORM TO THE ABOVE. DURING THE PERIOD OF INSPECTION BY THE MANUFACTURER, MAKE AVAILABLE TO THE MANUFACTURER ELECTRICIANS AS DESIGNATED BY THE MANUFACTURER.

THE VERIFICATION MUST MEET CAN STANDARD S537 AND OPEN FLAME IS NOT TO BE USED FOR TESTING.

ON COMPLETION OF THE INSPECTION AND WHEN ALL OF THE ABOVE CONDITIONS HAVE BEEN COMPLIED WITH, AND DEFICIENCIES INDICATED IN PRELIMINARY REPORT HAVE BEEN CORRECTED, THE MANUFACTURER SHALL ISSUE TO THE ARCHITECT:

A) A COPY OF THE INSPECTING TECHNICIAN'S REPORT SHOWING LOCATION OF EACH DEVICE AND CERTIFYING THE TEST RESULTS OF EACH DEVICE;

B) A CERTIFICATE OF VERIFICATION CONFIRMING THAT THE INSPECTION HAS BEEN COMPLETED AND SHOWING THE CONDITIONS UPON WHICH SUCH INSPECTION AND CERTIFICATION HAVE BEEN RENDERED;

C) PROOF OF LIABILITY INSURANCE FOR THE INSPECTION.

2.8 ALL COSTS INVOLVED IN THIS INSPECTION SHALL BE INCLUDED IN THE TENDER PRICE.

ELECTRICAL LEGEND

RECEPTACLES

- DUPLEX RECEPTACLE
- GFI — DUPLEX RECEPTACLE - CLASS A GROUND FAULT
- DUPLEX RECEPTACLE - 20A T-SLOT
- GFI — DUPLEX RECEPTACLE - CLASS A GROUND FAULT 20A T-SLOT
- DUPLEX RECEPTACLE - ABOVE COUNTER
- DUPLEX RECEPTACLE - WEATHER PROOF IN USE COVER
- QUADRUPLEX RECEPTACLE
- USB — DUPLEX RECEPTACLE - USB
- DIRECT POWER CONNECTION
- SPECIAL RECEPTACLE - VOLTAGE/AMPERAGE AS NOTED
- (R) — CORD REEL RECEPTACLE

LIGHTING AND CONTROLS

- S — SWITCH - SINGLE
- $_D — SWITCH - DIMMER
- $_OC — SWITCH - OCCUPANCY SENSOR
- $_OCD — SWITCH - OCCUPANCY SENSOR C/W DIMMING
- $_T — SWITCH - TIMER
- $_M — SWITCH - MOTOR RATED
- $_LV — SWITCH - LOW VOLTAGE
- CEILING MOUNTED OCCUPANCY SENSOR
- CEILING MOUNTED HIGH BAY OCCUPANCY SENSOR
- PHOTOCELL
- 2X4 LED FIXTURE
- 2X2 LED FIXTURE
- 4" POTLIGHT
- LED STRIP LIGHT
- EMERGENCY LIGHTING FIXTURE

LIFE SAFETY

- SMOKE DETECTOR
- HEAT DETECTOR
- CEILING MOUNTED SPEAKER/WHITE STROBE
- WALL MOUNTED SPEAKER/WHITE STROBE
- SINGLE-STAGE MANUAL PULL STATION
- FAN — FIRE ALARM ANNUNCIATOR
- FCP — FIRE ALARM CONTROL PANEL
- EXIT — EXIT SIGN - STRAIGHT THIS WAY
- EXIT — EXIT SIGN - DIRECTION AS INDICATED
- EMERGENCY BATTERY UNIT - 2 HEADS
- REMOTE HEADS - DOUBLE

MISCELLANEOUS

- ANN — EMERGENCY CALL SYSTEM ANNUNCIATOR
- CB — EMERGENCY CALL SYSTEM CALL BUTTON
- EMERGENCY CALL SYSTEM DOME LIGHT
- P/D — POWER OPERATOR COMPLETE WITH PUSHBUTTONS
- PUSHBUTTON - FOR USE AS NOTED
- JB — JUNCTION BOX - 12x12 UNLESS NOTED OTHERWISE
- CONDUIT BURIED OR IN SLAB
- CONDUIT EXPOSED, IN WALLS, OR CEILING SPACE
- CONDUIT UP C/W BUSHING AT TERMINATIONS
- CONDUIT DOWN C/W BUSHING AT TERMINATIONS

COMMUNICATION

- CAT 6 DATA OUTLET ROUGH IN

ELECTRICAL EQUIPMENT

- TRANSFORMER
- RECESSED POWER/LIGHTING PANEL
- SURFACE MOUNTED POWER/LIGHTING PANEL
- TAG — ELECTRICAL EQUIPMENT - TAGGED
- DISCONNECT SWITCH
- ELECTRIC MOTOR - TAGGED

SECURITY

- CAMERA - INTERIOR PTZ
- DC — DOOR CONTACT
- ES — ELECTRIC STRIKE
- KP — KEY PAD
- CR — CARD READER

ELECTRICAL ABBREVIATIONS

EX	EXISTING TO REMAIN
ER	EXISTING TO BE REMOVED
EP	EXISTING TO BE REPLACED
SM	SURFACE MOUNTED
A.C.	ABOVE COUNTER
A.F.F	ABOVE FINISHED FLOOR

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

LICENSED PROFESSIONAL ENGINEER
100515039
N. T. FRAYN
2026-06-09
PROVINCE OF ONTARIO

ISSUANCE

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT & TENDER

PROJECT NORTH | TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ENGINEER.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ENGINEER.

PROJECT

TOWN OF SMITH FALLS

PUBLIC WORKS OPERATIONS CENTRE

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA #	CLIENT #
26539	

DRAWN BY	CHECKED BY
B.RITTWAGE	N.FRAYN

DATE	SCALE
2026-06-29	1 : 100

SHEET NAME

ELECTRICAL LEGEND & NOTES

SHEET NO

E000

D (24"x36")

C:\RVT Local Files\26539_ELEC_Central_2024_bittwage.rvt

2026-06-29 10:02:33 AM

ELECTRICAL EQUIPMENT SCHEDULE

Tag	Tag No.	Description	Manufacturer	Model
ATS	1	Automatic Transfer Switch – 600Y/347V, 400A, 3Ph, 4W with solid neutral, automatic open transition, ASCO Digital Power Meter, NEMA 1 enclosure, c/w isolation by-pass, CSA certified.	ASCO Power Technologies	J07ATBA30400R50C
DP	MAIN	I-Line Panelboard - 600Y/347VAC, 3Ph, 4W, 60Hz, 400A MLO, 63" mounting space, single tub, copper main, neutral and ground bussing, surface mounted with door, NEMA 1 enclosure, CSA listed.	Square D by Schneider Electric	HCJ32734CU
DS	COMP	Disconnect Switch - 600V, 60A, 3Ph, 4W, neutral block, fused complete with 40A type J fuses (fuse size to be confirmed with engineer prior to ordering), NEMA 1 enclosure, CSA certified	Square D by Schneider Electric	VH362N
DS	CU	Disconnect Switch - 30A, 600V, NEMA Type 3R enclosure, cUL listed, 10-year warranty.	Square D by Schneider Electric	N3302-DS
DS	MAIN	Disconnect Switch - 600V, 400A, 3Ph, solid neutral, fusible heavy duty safety switch c/w 400A fuses, service entrance rated, NEMA 1 enclosure, CSA certified.	Square D by Schneider Electric	CH365N
DS	OH	Disconnect Switch - 600V, 30A, 3Ph, non-fused disconnect, NEMA 4X enclosure, CSA certified.	Square D by Schneider Electric	MD3304X
GEN	1	Commercial Natural Gas Generator Set - 250kW, 600Y/347V Natural Gas Standby Genset, weather proof enclosure rated 75 dBA @ 7m c/w block heater, 400A mainline thermo-magnetic breaker, 3Ph 600V alternator with self-excited automatic voltage regulator, 6 cylinder natural gas engine, 1800 RPM, cooling provided by industrial radiator & belt driven water pump, mixer air intake system c/w two-stage filter, dry 3-piece manifold exhaust system, control panel for manual and automatic control, control card c/w LCD display, 5-button menu, 9 configurable outputs, 8 configurable inputs, programmable PLC, remote communication through RS232 or RS485, overall dimensions 4600mm(L) x 1606mm(W) x 2386mm(H), CSA Approved, 60A 208V shore power panel, freight to site and unloading by Div. 26.	SOMMERS	NZWAS-250-ST
MC	1	Current Transformer Cabinet - 14 gauge galvanized steel, integral drip shield, removable double doors, padlock provisions provided, grey polyester powder finish, dimensions of 48"W x 48"H x 11"D, NEMA 3R enclosure.	Hammond Mfg.	HCT484814H
P	A	NQ Panelboard – 208Y/120V, 3Ph, 4W, 400A MLO, 84CCT, copper mains, neutral and grounding bussing, double tub, surface mounted with door, NEMA 1 enclosure, CSA listed.	Square D by Schneider Electric	NQ484L4C
P	B	NQ Panelboard – 208Y/120V, 3Ph, 4W, 225A Mains, 200A MCB, 72CCT, copper mains, neutral and grounding bussing, flush mounted with door, NEMA 1 enclosure, CSA listed.	Square D by Schneider Electric	NQ454L2C
P	C	NQ Panelboard – 208Y/120V, 3Ph, 4W, 600A Main, 600A MCB, 72CCT, copper mains, neutral and grounding bussing, double tub, surface mounted with door, NEMA 1 enclosure, CSA listed.	Square D by Schneider Electric	NQ472L6C
P	CS	NQ Panelboard – 208Y/120V, 3Ph, 4W, 100A Main, 100A MCB, 30CCT, copper mains, neutral and grounding bussing, flush mounted with door, NEMA 1 enclosure, CSA listed.	Square D by Schneider Electric	NQ430L1C
P	EF	NQ Panelboard – 240/120V, 1Ph, 3W, 100A Main, 60A MCB, 18CCT, copper mains, neutral and grounding bussing, flush mounted with door, NEMA 1 enclosure, CSA listed.	Square D by Schneider Electric	NQ418L1C
P	EV	NQ Panelboard – 208Y/120V, 3Ph, 4W, 225A MLO, 42CCT, copper mains, neutral and grounding bussing, flush mounted with door, NEMA 1 enclosure, CSA listed.	Square D by Schneider Electric	NQ442L2C
TX	P-A	112.5kVA Transformer – 600V-208Y/120C, 220C insulation class, 150C temp rise, copper windings, meets O.Reg 509 energy efficiency standards, K-13 rated, NEMA 1 enclosure, sprinkler proof with drip hood, floor mounted, CSA listed.	Hammond Power Solutions	SK3A0112PB3K
TX	P-B	45kVA Transformer – 600V-208Y/120C, 220C insulation class, 150C temp rise, copper windings, meets O.Reg 509 energy efficiency standards, K-13 rated, NEMA 1 enclosure, sprinkler proof with drip hood, floor mounted, CSA listed.	Hammond Power Solutions	SK3A0045PB3K
TX	P-C	150kVA Transformer – 600V-208Y/120C, 220C insulation class, 150C temp rise, copper windings, meets O.Reg 509 energy efficiency standards, K-13 rated, NEMA 1 enclosure, sprinkler proof with drip hood, floor mounted, CSA listed.	Hammond Power Solutions	SK3A0150PB3K
TX	P-EV	45kVA Transformer – 600V-208Y/120C, 220C insulation class, 150C temp rise, copper windings, meets O.Reg 509 energy efficiency standards, K-13 rated, NEMA 1 enclosure, sprinkler proof with drip hood, floor mounted, CSA listed.	Hammond Power Solutions	SK3A0045PB3K
WELDER	PLUG	Welder Connection – Disconnect and receptacle. IEC pin and sleeve style, industrial grade, female, fused mechanically interlocked receptacle, 60A, 125/250V, 3 pole, 4 wire grounding, terminal screws, provide fuses to suit 60A welder, CSA approved. Confirm with engineer prior to ordering.	Hubbell	HBL460MIF12W

ELECTRICAL FIXTURE SCHEDULE

Type Image	Description	Manufacturer	Model
	Receptacles - Commercial Specification Grade Decora, 10 year warranty, white finish, ratings and pole configurations as required, c/w brushed stainless steel coverplate. Review colours and materials with Architect before installation.	Hubbell	As Req'd
ANN CB EM	Washroom Emergency Call Kit (supplied by div. 8, installed by div. 26) c/w double gang led annunciator with press for assistance and assistance requested led indicator with built-in sounder, single gang key switch reset, single gang dome light with built-in sounder for installation in corridor outside of room, coordinate power connection to logic controller and associated emergency call system kit complete with back-box, conduit rough-ins and all wiring for devices to be roughed in to suit final approved shop drawings including all line/low voltage interconnection wiring for complete install in accordance with OBC section 3.8.3.12 (2); logic controller at door to be interfaced with universal washroom emergency call system, door contact and tie-in with electric strike by div. 8 for automatic release in the event of an emergency call.	Camden	
R	45ft Cord Reel Receptacle - 120V 20A Single Grounded Receptacle with plug and resettable circuit breaker, industrial grade polyethylene housing, black cord and housing, cUL listed.	ULINE	H-10990
FFH-1	Electric Force Flow Heater – 4000W, 208V ceiling mounted, 20 gauge steel cabinet with 18 gauge steel grill, 160 CFM fan, epoxy-polyester powder coat white finish, built-in thermostat and 30A disconnect switch, 3 year warranty, CSA listed.	Stelpro	CF4008TW c/w WFDIS-30

SECURITY AND DOOR DEVICE SCHEDULE

Type Image	Description	Manufacturer	Model
ACP	Door Controller – 120V input, swappable output of 12V/24V output, 4 door controllers, fail safe wiring configuration, power supply monitor, access controller to release electric strikes in the event of a fire alarm. Provided and installed by owner's security vendor.	-	-
CR	Card Reader Rough-in - Provide single gang back box rough in and 3/4" conduit c/w pullstring back to local door access control junction box as shown on drawing E040. Device and wiring to be by Owner's security contractor, confirm final device selection and installation rough-in requirements (back box or surface etc.).	-	-
	Camera Rough-In Location - Provide back box and 3/4" conduit to accessible ceiling space or continuous in inaccessible locations back to owner's intrusion and access control system in IT Services 124 for patching into owners Networked Video Recorder. Camera and CAT 6 cabling to be by supplied and installed by Owner's security vendor with rough-ins and conduit by Div. 26. Coordinate final device selections with owner's security representative. Owner's security vendor to provide terminated male end at camera location, tested.	-	-
D	Door Position Contact - Supplied and installed by security contractor with conduit back to access control junction box above door by Div. 26. Refer to E040 for more information.	-	-
ES	Electric Door Strike - 24VAC/DC, to be controlled via local access control system where shown at door location with Card Reader rough-in on drawings; electric strike to be supplied and installed by owner' security vendor, conduit back to local door access control junction box as shown on E040 to be by Div. 26. Wiring by owner's security vendor.	-	Refer to Div. 8 Door Hardware Schedule
KP	Security Keypad Rough-in - Provide back box rough-in c/w 3/4" conduit and pull strings back to the new security system panel in IT Services 124. Wiring to be by Owner's security contractor, confirm final device selection and installation rough-in requirements (back box or surface etc.).	-	-
P/O	Power Operator & Push Buttons - Power door operator and pushbuttons, 120VAC, 24DC operation, all low-voltage wiring to wired push button actuators by Div. 26 unless noted otherwise, pushbuttons and power supply to be supplied by Div. 8, all necessary conduit connections, flush mount junction boxes, mounting of power supply and pushbuttons, line voltage wiring and terminations by Div. 26. Coordinate rough-in requirements with final approved shop drawings from Division 8.	-	Refer to Div. 8 Door Hardware Schedule

FIRE ALARM DEVICE SCHEDULE

Type Image	Description	Model	Manufacturer
FACP	Fire Alarm Control Panel - Addressable Life Safety Control Panel, LED Touch Screen Display, 120V c/w battery back-up, surface mount, red cover, sprinkler proof c/w drip hood, modules/devices as required for all equipment interconnections, accessories as required for tie in to fire alarm dialer.	EST-4	Edwards
	Fire Alarm Horn c/w Strobe Light - White housing, clear lens, ULC S525 and ULC S526 listed.	G1-HDVM	Edwards
FAA	Fire Alarm Remote Annunciator Panel - 80 Character Back-Lit Alphanumeric LCD Display, common indicators and controls for displaying system status, brushed stainless steal trim for flush mount installation in main vestibule, c/w required internal power supply, requires 6-gang 3-1/2" deep box for mounting.	EST-4	Edwards
	Genesis Series Ceiling Mounted Horn/White Fire Strobe Light - White finish, temporal horn output, field adjustable strobe output (15, 30, 75, 90cd), synchronization modules as required, ULC listed.	GCF-HDVM	Edwards
	Genesis Series Ceiling Mounted Strobe - White finish, field adjustable strobe output (15, 30, 75, 95cd), synchronization modules as required, ULC listed.	GCF-VM	Edwards
	Heat Detector - Addressible, fixed temperature/rate of rise, in accordance with CAN/ULC S524.	SIGA-HRD c/w bases as req'd	Edwards
	Manual Pull Station - One stage fire alarm station, die cast zinc red epoxy, French/English Markings - ULC Listed	SIGC-270B	Edwards
	Smoke Detector - Photoelectric smoke detector, addressbile, and in compliance with CAN/ULC S524.	SIGA-PD c/w bases as req'd	Edwards

SECURITY & IT SCOPE OF WORK	OWNER SECURITY DEPARTMENT	OWNER IT DEPARTMENT	DIV. 26 (PER DIV. 27 SPECIFICATIONS
SUPPLY & INSTALL CONDUIT + JUNCTION BOXES	-	-	YES
SUPPLY & INSTALL ROUGH-INS FOR ACCESS CONTROLS, GATES, WAP, CARD READERS, SECURITY CAMERAS	-	-	YES
SUPPLY & INSTALL DATA JACKS AND FACEPLATES	YES	-	-
SUPPLY & INSTALL ALL CABLE CONNECTIONS	YES	-	-
SUPPLY & INSTALL LAN SERVER ROOM EQUIPMENT (RACK, SERVER, FIREWALL, UPS, ETC.)	-	YES	-
WIRELESS ACCESS POINTS DEVICES INSTALL	YES	-	-
ISP CONNECTION TO FACILITY	-	YES	-

LIGHTING FIXTURES SCHEDULE

Tag	Description	Manufacturer	Model
A1	2'x2' LED Troffer - 120V, 20.8 W, selectable lumen settings (set to LOW), 80 CRI, selectable colour temperature (set to 3500K), 0-10V Dimming, grid mounted, cold rolled steel housing, matte white powder coat finish, L94 @ 60,000 hrs, cULus listed c/w 5 year warranty.	Cooper Lighting Solutions	22ARS-L3C3-UNV
A2	2'x4' LED Troffer - 120V, 24.8 W, selectable lumen settings (set to LOW), 80 CRI, selectable colour temperature (set to 3500K), 0-10V Dimming, grid mounted, cold rolled steel housing, matte white powder coat finish, L94 @ 60,000 hrs, cULus listed c/w 5 year warranty.	Cooper Lighting Solutions	24ARS-L3C3-UNV
B1	Recessed LED Downlight – 4" Downlight, 120V, 1000 Lumens, 9W, 80 CRI, 3500K Colour Temp, 0-10V Dimming down to 1%, 4" conical reflector, medium 60° beam angle distribution, galvanized steel housing, white finish, L70 @ 60,000hrs, cULus listed, c/w 5 year warranty.	Cooper Lighting Solutions	HC410D010-HM40525835-41MDW
B2	Recessed LED Downlight – 4" Downlight, 120V, 1500 Lumens, 14W, 80 CRI, 3500K Colour Temp, 0-10V Dimming down to 1%, 4" conical reflector, medium 60° beam angle distribution, galvanized steel housing, white finish, L70 @ 60,000hrs, cULus listed, c/w 5 year warranty.	Cooper Lighting Solutions	HC415D010-HM40525835-41MDW
B3	Recessed LED Downlight – 4" Downlight, 120V, 2500 Lumens, 26.8W, 80 CRI, 3500K Colour Temp, 0-10V Dimming down to 1%, 4" conical reflector, medium 60° beam angle distribution, galvanized steel housing, white finish, L70 @ 60,000hrs, cULus listed, c/w 5 year warranty.	Cooper Lighting Solutions	HC425D010-HM40525835-41MDW
B4	Recessed LED Downlight – 4" Downlight, 120V, 1000 Lumens, 9W, 80 CRI, 3500K Colour Temp, 0-10V Dimming down to 1%, medium 60° beam angle distribution, polymer non-conductive matte white reflector, galvanized steel housing, wet locations listed, white finish, L70 @ 60,000hrs, cULus listed, c/w 5 year warranty.	Cooper Lighting Solutions	HC410D010-HM40525835-41PSMDW
C1	Multipurpose Linear LED Strip Light - 4' length, 80 CRI, 4000K colour temp, 6045 lumens, 46 watts, 120V, code-gauge steel housing, L70 @ 50,000hrs, single frost polycarbonate lens, uniform light distribution, surface mounted, cULus listed, 5 year warranty.	Cooper Lighting Solutions	4SLSTPSLC-UNV-HI-4000K
C2	Multipurpose Linear LED Strip Light - 8' length, 80 CRI, 4000K colour temp, 11100 lumens, 85 watts, 120V, code-gauge steel housing, L70 @ 50,000hrs, single frost polycarbonate lens, uniform light distribution, chain mounted at heights as shown on plans, cULus listed, 5 year warranty.	Cooper Lighting Solutions	8SLSTPSLC-UNV-HI-4000K
C3	Wraparound Linear LED Fixture - 4' length, 80 CRI, 4000K colour temp, 3930 lumens, 27.5 W, 120V, code-gauge cold rolled steel housing, L70 @ 50,000hrs, smooth white lens, uniform light distribution, surface mounted, cUL listed, 5 year warranty.	Cooper Lighting Solutions	4NWS3C3-UNV-LOW-4000K
D1	Surface Mount Linear LED Fixture - 12' length, 120V, 850 lumens per foot down, 86 W, 3500K colour temp, 80CRI, direct lighting, 0-10V dimming, cold rolled steel powder coated housing, acrylic lens, surface mounted to ceiling, L86 @ 145,000hrs, cULus listed, c/w 5-year warranty.	Cooper Lighting Solutions	CB2-085D-835-1D-UNV-STD-W-SU-12
H	LED Round High Bay Lighting – 120-347V, selectable lumen settings (set to HIGH - 18,000 lumens), 119.2 W, 80 CRI, selectable colour temp (set to 4000K), IK10 rated 305Ø round die cast aluminum housing, polycarbonate IP65 rated lens, standard chain mounting – refer to DWG E301 for mounting heights, 0-10V dimming, wide distribution, L91 @ 60,000hrs, NEMA 4X/IP65 rated, white polyester powder coat finish, c/w plug-in occupancy sensor, cULus certified, 5-year warranty.	Cooper Lighting Solutions	UHBS2-1218-MV-L8C5-U c/w WLS4-HB2
H1	LED Round High Bay Lighting – 120-347V, selectable lumen settings (set to LOW - 12,000 lumens), 80 W, 80 CRI, selectable colour temp (set to 4000K), IK10 rated 305Ø round die cast aluminum housing, polycarbonate IP65 rated lens, standard chain mounting – refer to DWG E301 for mounting heights, 0-10V dimming, wide distribution, L91 @ 60,000hrs, NEMA 4X/IP65 rated, white polyester powder coat finish, c/w plug-in occupancy sensor, cULus certified, 5-year warranty.	Cooper Lighting Solutions	UHBS2-1218-MV-L8C5-U c/w WLS4-HB2
HAZ	Hazardous LED Fixture – 120V, 12,000 lumens, Zone 2 or Class 1 Div. 2 rating, 90 W, 80 CRI, 4000K, aluminum housing, polycarbonate IP66 rated lens, surface mounted, wide distribution, L80 @ 100,000hrs, wet location rated, grey finish, CSA listed certified, 5-year warranty.	Nemalux	XR12-40-WC-GY-HZ-AC-XR-SM
P1a	Exterior Pole Mounted LED Fixture – 120V, 5418 Lumens, 38.7W, 800mA drive current, 70CRI, 3000K Colour Temp, 0-10V Dimming, Type IV w/ backlight control distribution, die-cast aluminum housing & heat sink, integral photocell, polyester powder coated black finish, L90@ 100,000hrs, cUL listed, 5-year warranty. c/w Square Straight Steel Pole – 35' mounting height, 5" 7 gauge steel, 11" bolt circle, 2.54 maximum EPA at 90mph, Type N mounting type, 2-piece metal base cover, handhole assembly above base, smooth black finish, 2nd mode vibration damper, 1"x36" anchor bolts, tightening nuts, leveling nuts, washers, nut covers, and base templates, shaft plate and anchor bolts rated 36000 PSI minimum yield, CSA approved, 1-year limited warranty	Cooper Lighting Solutions	GALN-SA1B-730-U-T4BC-BK-BP C120V c/w SSS-35-5-7-AB-N1-BK-VDF-CSA
P1b	Exterior Pole Mounted LED Fixture – 120V, 5418 Lumens, 38.7W, 800mA drive current, 70CRI, 3000K Colour Temp, 0-10V Dimming, Type IV w/ backlight control distribution, die-cast aluminum housing & heat sink, integral photocell, polyester powder coated black finish, L90@ 100,000hrs, cUL listed, 5-year warranty. c/w Square Straight Steel Pole – 25' mounting height, 5" 7 gauge steel, 11" bolt circle, 11.99 maximum EPA at 90mph, Type N mounting type, 2-piece metal base cover, handhole assembly above base, smooth black finish, 2nd mode vibration damper, 1"x36" anchor bolts, tightening nuts, leveling nuts, washers, nut covers, and base templates, shaft plate and anchor bolts rated 36000 PSI minimum yield, CSA approved, 1-year limited warranty	Cooper Lighting Solutions	GALN-SA1B-730-U-T4BC-BK-BP C120V c/w SSS-25-4-11-AB-N1-BK-VDF-CSA
W1	Exterior LED Wall Pack – 120V, 8337 Lumens, 67W, 1200mA drive current, 70CRI, 3000K Colour Temp, 0-10V Dimming, Type IV forward throw distribution, die-cast aluminum heat sink, integral photocell, IP66 rated housing w/ polyester powder coated white finish, gasketed and zinc plated rigid steel mounting attachment, L70@ 205,000hrs, cUL listed, 5-year warranty.	Cooper Lighting Solutions	GWC-SA1D-730-U-T4FT-WH-BPC
W2	Exterior LED Wall Pack – 120V, 8229 Lumens, 67W, 1200mA drive current, 70CRI, 3000K Colour Temp, 0-10V Dimming, Type IV wide distribution, die-cast aluminum heat sink, integral photocell, IP66 rated housing w/ polyester powder coated white finish, gasketed and zinc plated rigid steel mounting attachment, L70@ 205,000hrs, cUL listed, 5-year warranty.	Cooper Lighting Solutions	GWC-SA1D-730-U-T4W-WH-BPC
W3	Exterior LED Wall Pack – 120V, 7283 Lumens, 67W, 1200mA drive current, 70CRI, 3000K Colour Temp, 0-10V Dimming, 90° spill light eliminator left distribution, die-cast aluminum heat sink, integral photocell, IP66 rated housing w/ polyester powder coated white finish, gasketed and zinc plated rigid steel mounting attachment, L70@ 205,000hrs, cUL listed, 5-year warranty.	Cooper Lighting Solutions	GWC-SA1D-730-U-SLL-WH-BPC
W5	Exterior LED Wall Pack – 120V, 6105 Lumens, 44W, 800mA drive current, 70CRI, 3000K Colour Temp, 0-10V Dimming, Type III distribution, die-cast aluminum heat sink, integral photocell, IP66 rated housing w/ polyester powder coated white finish, gasketed and zinc plated rigid steel mounting attachment, L70@ 205,000hrs, cUL listed, 5-year warranty.	Cooper Lighting Solutions	GWC-SA1B-730-U-T3-WH-BPC
W6	Exterior LED Wall Pack – 120V, 6140 Lumens, 44W, 800mA drive current, 70CRI, 3000K Colour Temp, 0-10V Dimming, Type IV forward throw distribution, die-cast aluminum heat sink, integral photocell, IP66 rated housing w/ polyester powder coated white finish, gasketed and zinc plated rigid steel mounting attachment, L70@ 205,000hrs, cUL listed, 5-year warranty.	Cooper Lighting Solutions	GWC-SA1B-730-U-T4FT-WH-BPC
W7	Exterior LED Wall Pack – 120V, 4373 Lumens, 34W, 615mA drive current, 70CRI, 3000K Colour Temp, 0-10V Dimming, 90° spill lighting eliminator right distribution, die-cast aluminum heat sink, integral photocell, IP66 rated housing w/ polyester powder coated white finish, gasketed and zinc plated rigid steel mounting attachment, L70@ 205,000hrs, cUL listed, 5-year warranty.	Cooper Lighting Solutions	GWC-SA1A-730-U-SLR-WH-BPC
W8	Exterior LED Wall Pack – 120V, 4373 Lumens, 34W, 615mA drive current, 70CRI, 3000K Colour Temp, 0-10V Dimming, 90° spill lighting eliminator left distribution, die-cast aluminum heat sink, integral photocell, IP66 rated housing w/ polyester powder coated white finish, gasketed and zinc plated rigid steel mounting attachment, L70@ 205,000hrs, cUL listed, 5-year warranty.	Cooper Lighting Solutions	GWC-SA1A-730-U-SLL-WH-BPC

LIGHTING DEVICE SCHEDULE

Type Image	Description	Manufacturer	Model
S	Toggle Switches - Specification Grade Decora, 10 year warranty, white to suit room finishes, ratings and pole configurations as required, c/w brushed stainless steel coverplate.	Cooper Lighting Solutions	As Required
S HAZ	Hazardous Location Switches – Zone 2 rated toggle switch, 10 year warranty, 20A, ratings and pole configurations as required, aluminum finish, CSA rated.	Killark	XS-1C
S LV	Low Voltage Switch - 24VDC Momentary Decorator Switch for On/Off control, daisy chain to additional devices, switch pack required, white finish with stainless steel coverplate, cUL listed, 5 year warranty.	Cooper Lighting Solutions	GMDS-W
S MM	Double Pole Manual Motor Controller - 30A, rated up to 600V, toggle switch, NEMA 1 enclosure, c/w 10-year warranty.	Leviton	N1302-DS
S D	Dimming Switch - 120V Three Button Switch for On/Off and dimming control, white finish with stainless steel coverplate, cULus listed, 5 year warranty.	Cooper Lighting Solutions	WWL3-RL-W
S OC	Dual Technology Dimming Occupancy Wall Switch - 120VAC, PIR/Ultrasonic sensor 40kHz, single button configuration, refer to specification 26 09 43.1B for configurations, white finish with stainless steel coverplate, cULus listed, 5 year warranty.	Cooper Lighting Solutions	ONW-D-1001-MV-W
S OCD	Dual Technology Dimming Occupancy Wall Switch - 120VAC, 0-10V dimming, PIR/Ultrasonic sensor 40kHz, three button configuration, refer to specification 26 09 43.1B for configurations, white finish with stainless steel coverplate, cULus listed, 5 year warranty.	Cooper Lighting Solutions	OSW-D-010-W
S SC	Networked Zone Controller – 5 button configuration for ON/OFF/DIM, integrated with infrared transmitter and receiver (IRTR) for in room partition status, single indicator LED, CAT 5 daisy chain connection to other networked devices, white finish, cULus listed.	Cooper Lighting Solutions	WST-C-5D-W-Z
	Low Voltage Dual technology Occupancy Sensor - PIR/ Ultrasonic sensor, 10-30VDC from 120V switch pack, 360 degree, 2000 square foot coverage, ceiling mount, cULus listed, 5 year warranty.	Cooper Lighting Solutions	OAC-DT-2000
	Networked Dual technology Occupancy Sensor - PIR/Ultrasonic, 24VDC from 120V networked load controller, 360 degree, 2000 square foot coverage, ceiling mount, CAT 5 connection c/w RJ-45, cULus listed, 5 year warranty.	Cooper Lighting Solutions	OCS-C-D20
	Emergency Battery Unit - Steel housing, 120V ,216W, two heads, MR16 LED, 12V, 6W lamps, white finish, CSA approved.	EMERGI-LITE	12ESL216UN/2LJ
HAZ	Hazardous Location Emergency Battery Unit - Fiberglass housing, Zone 2 rated, NEMA 4X rated, 120V, 30W capacity, two heads, 12V, 15W LED lamps, white finish, advanced diagnostics, cUL 924 listed, CSA approved	EMERGI-LITE	12HPH-M30-2-L15-D
72	Emergency Battery Unit - Steel housing, 120V ,72W, two heads, MR16 LED, 12V, 6W lamps, white finish, CSA approved.	EMERGI-LITE	12ESL72UN/2LJ
	MR16 Compact Remote Heads - MR16 LED, Double Head, 12V, 6W, white finish, CSA approved.	EMERGI-LITE	EF9DMMLJ
EXIT	Steel Pictogram Exit Sign - Housing made from steel, 120VAC powered, pictogram type, single face, straight ahead direction, white finish.	EMERGI-LITE	ES1WI
EXIT	Steel Pictogram Exit Sign - Housing made from steel, 120VAC powered, pictogram type, two faces, left or right direction as indicated on the plans, white finish.	EMERGI-LITE	ES3WI
ELCU	Emergency Lighting Control Unit - 120V 20A, dimming reference input for dimming with normal lights, relay energizes emergency lights to 100% when power outage occurs, 4-11/16" junction box mounting with single-gang plaster ring, twin source input, voltage sensing for normal circuit, UL924-5VA conformance, cUL listed c/w 5 year warranty.	Cooper Lighting Solutions	CEPC-2-D-CUL
INV-1	Single Phase Mini Lighting Inverter - 1440W, 60Hz , 120V 1PH input voltage, 120V output voltage, to provide 90min runtime of facility emergency lighting power, self-diagnostics, single output, 1-year standard warranty (up to 9 years prorated warranty on batteries), cUL listed.	Cooper Lighting Solutions	EMI-1440-1

DATA DEVICE SCHEDULE

Type Image	Description	Manufacturer	Model
	Cat 6 Data Drop Rough-In - Provide 4"x4" galvanized steel junction box c/w mudring reducer to single gang, 1" conduit c/w pull strings up to accessible ceiling space or pull boxes and conduit continuous within inaccessible ceilings back to IT Services 124. CAT 6 cable to be installed and tested by Owner's security vendor.	Hubbell	Infinestation

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

LICENSED PROFESSIONAL ENGINEER
N. T. FRAYN
100515283
PROVINCE OF ONTARIO
2026-06-29

ISSUANCE

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT & TENDER

PROJECT NORTH | TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ENGINEER.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ENGINEER.

PROJECT
TOWN OF SMITH FALLS
PUBLIC WORKS OPERATIONS CENTRE
11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

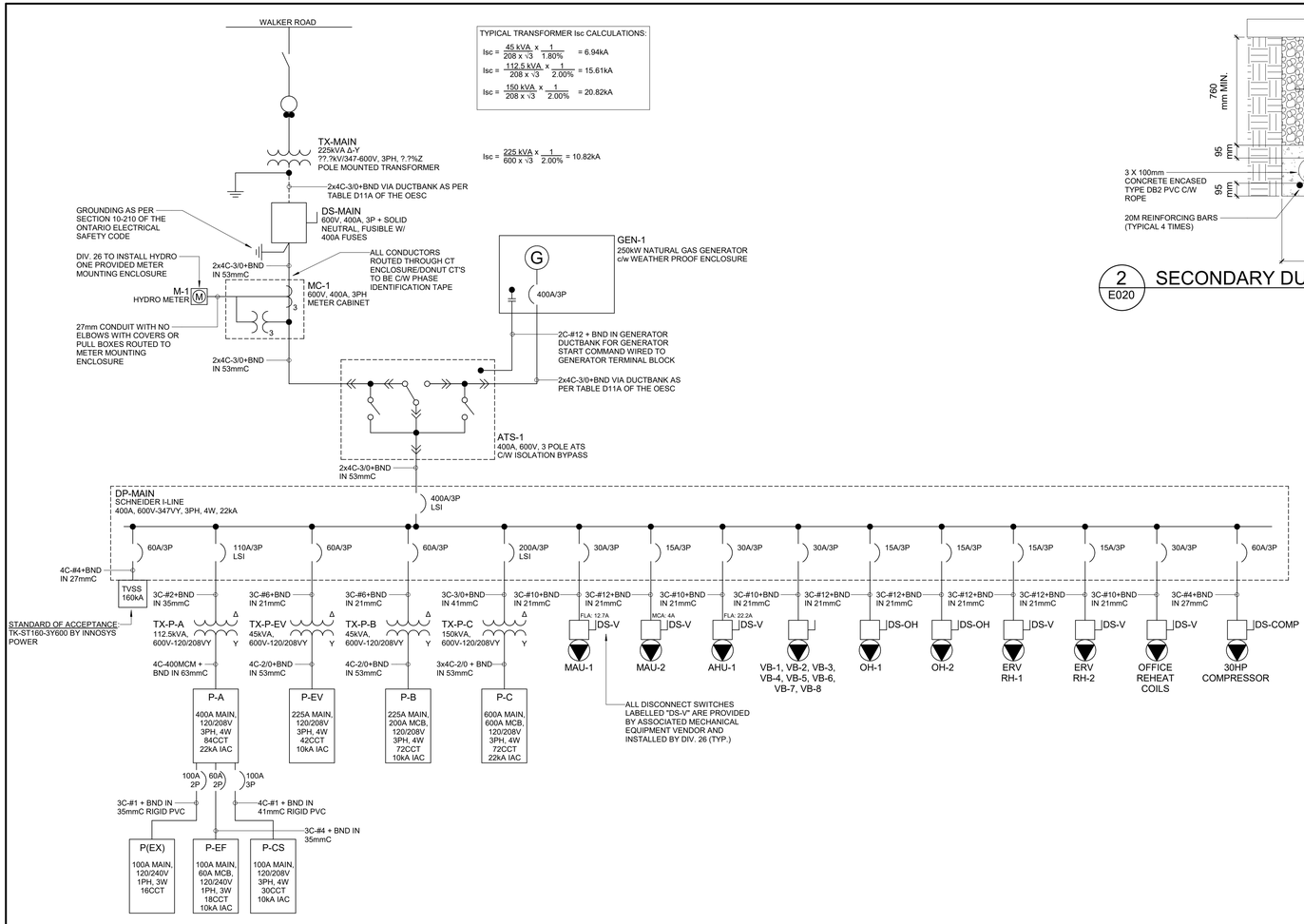
IDEA # 26539 | CLIENT #
DRAWN BY B.RITTWAGE | CHECKED BY N.FRAYN
DATE 2026-06-29 | SCALE

SHEET NAME
ELECTRICAL BILL OF MATERIALS

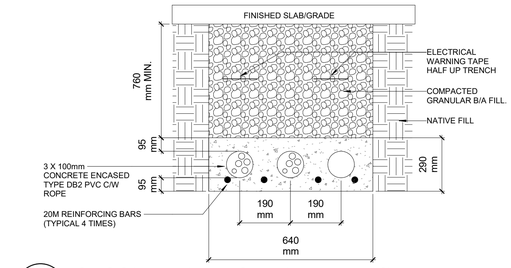
SHEET NO
E010

D (24"x36")

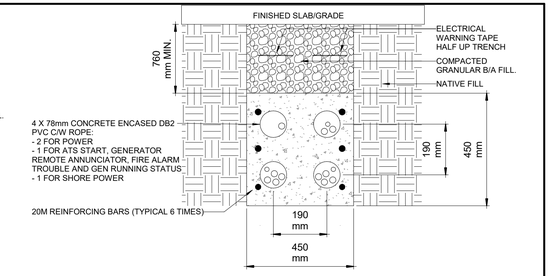
C:\RVT Local Files\26539_ELEC_Central_2024_bitthewgn.rvt
2026-06-29 10:02:33 AM



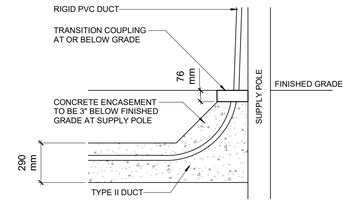
1 E020 SINGLE LINE DIAGRAM



2 E020 SECONDARY DUCT BANK DETAIL

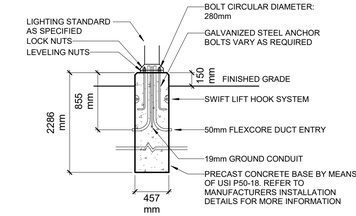


3 E020 GENERATOR DUCT BANK DETAIL



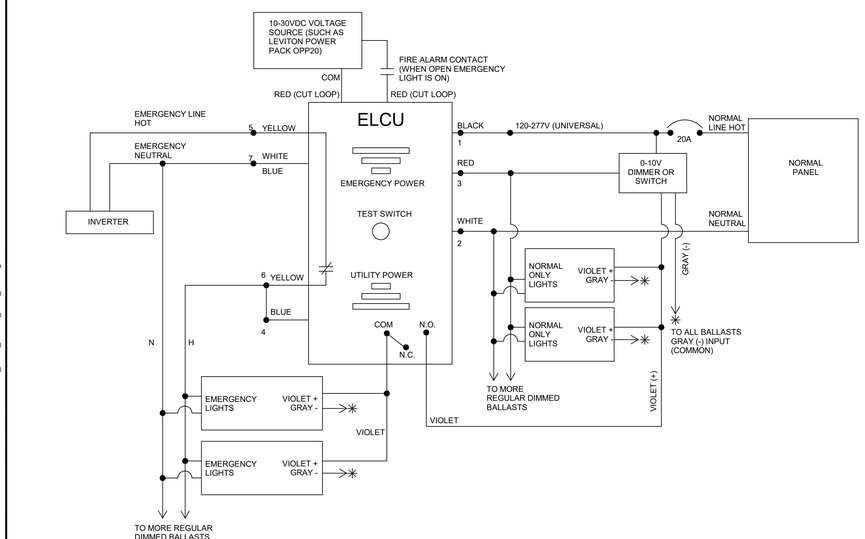
4 E020 POLE TRANSITION DETAIL

NOTES:
1. TOP OF FOUNDATION SHALL BE TROWELED SMOOTH & LEVEL BY G.C.
2. MINIMUM OF TWO SLEEVES REQUIRED FOR EACH CONC. FOUNDATION UNLESS OTHERWISE SHOWN
3. CONTRACTOR TO VERIFY OPENING SIZE IN POLE BASE PLATE PRIOR TO SETTING CONDUIT SLEEVES
4. ALL LIGHT/BOLLARD/ EV CHARGING STANDARD BASES BY DIV. 26 INCLUDING CONCRETE, FORMS, REBAR AND ACCESSORIES AS REQUIRED FOR COMPLETE INSTALLATION.

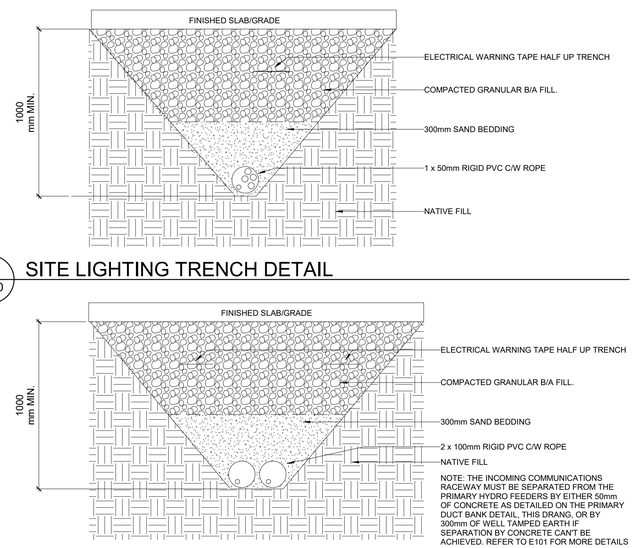


GENERAL SCOPE OF WORK NOTE: ALL REQUIREMENTS AND CONSTRUCTION ASSOCIATED WITH BASE COORDINATE BY GENERAL CONTRACTOR. EXPOSED CONCRETE SANDBLAST FINISH.

5 E020 TYP. LIGHT STANDARD CONCRETE BASE
1 : 100



9 E020 EMERGENCY LIGHTING CONTROL UNIT 120V

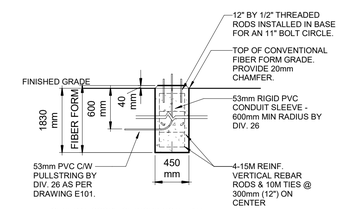


7 E020 SITE LIGHTING TRENCH DETAIL

NOTE: THE INCOMING COMMUNICATIONS RACEWAY MUST BE SEPARATED FROM THE PRIMARY HYDRO FEEDERS BY EITHER 50mm OF CONCRETE AS DETAILED ON THE PRIMARY DUCT BANK DETAIL, THIS DRANG, OR BY 300mm OF WELL TAMPED EARTH IF SEPARATION BY CONCRETE CAN'T BE ACHIEVED. REFER TO E101 FOR MORE DETAILS

8 E020 COMMUNICATION TRENCH DETAIL

NOTES:
1. TOP OF FOUNDATION SHALL BE TROWELED SMOOTH & LEVEL.
2. CLASS OF CONCRETE SHALL BE 25mPa. CONCRETE SHALL BE VIBRATED
3. MINIMUM OF TWO SLEEVES REQUIRED FOR EACH CONC. FOUNDATION UNLESS OTHERWISE SHOWN
4. BASE BY DIV. 26 INCLUDING CONCRETE, FORMS, REBAR AND ACCESSORIES AS REQUIRED FOR COMPLETE INSTALLATION.



GENERAL SCOPE OF WORK NOTE: ALL REQUIREMENTS AND CONSTRUCTION ASSOCIATED WITH BASE COORDINATE BY GENERAL CONTRACTOR.

6 E020 TYP. EV PEDESTAL CONCRETE BASE
1 : 100

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL



ISSUANCE

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT & TENDER

PROJECT NORTH TRUE NORTH

GENERAL NOTES
1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ENGINEER.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ENGINEER.

PROJECT
TOWN OF SMITH FALLS
PUBLIC WORKS OPERATIONS CENTRE
11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA # **26539**
CLIENT #
DRAWN BY **B.RITTWAGE**
CHECKED BY **N.FRAYN**
DATE **2026-06-29**
SCALE **1 : 100**
SHEET NAME
SINGLE LINE DIAGRAM & ELECTRICAL DETAILS

SHEET NO
E020

D (24"x36")

C:\RVT Local Files\26539_ELEC_Central_2024_britwage.rvt
2026-06-29 10:02:35 AM

Branch Panel: P-A

Location: MECHANICAL SERVICES 141
Mounting: Surface
Enclosure: 1

Volts: 120/208Y
Phases: 3
Wires: 4

A.I.C. Rating: 22kA
Mains Type: MLO
Mains Rating: 400 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	Receptacles - Mechanic Office & Workstations	15 A	1	900 VA			1	15 A	Receptacles - Lunchroom	2
3	Receptacle - Fridge	15 A	1		180 VA		1	20 A	Receptacle - Microwave	4
5	Receptacle - Mircrowave	20 A	1			180 VA	1	15 A	Dishwasher	6
7	Receptacle - Kitchen Counter	20 A	1	180 VA			1	20 A	Receptacle - Kitchen Counter	8
9	Receptacles - Washrooms	15 A	1		720 VA		2	30 A	Dryer	10
11	Washer	15 A	1			180 VA				12
13	Receptacles Housekeeping	20 A	1	540 VA			1	15 A	Receptacles - Mechanical Services	14
15	Fire Alarm Control Panel	15 A	1		0 VA		1	20 A	Receptacles - Service Garage	16
17	Receptacles - Service Garage	20 A	1			720 VA	1	20 A	Receptacles - Service Garage	18
19	Receptacles - Small Vehicle Service Workbench	20 A	1	720 VA			1	20 A	Receptacles - Small Vehicle Service Workbench	20
21	Receptacle - Service Garage Cord Reel	20 A	1		180 VA		1	20 A	Receptacle - Service Garage Cord Reel	22
23	Receptacle - Service Garage Cord Reel	20 A	1			180 VA	1	20 A	Receptacles - Service Garage	24
25	Welder Plug	60 A	2	90 VA			2	60 A	Welder Plug	26
27					90 VA					28
29	Welder Plug	60 A	2			90 VA	1	20 A	Receptacles - Wash Bay Workbench	30
31				90 VA			1	20 A	Receptacles - Wash Bay 142	32
33	Receptacle - Wash Bay Cord Reel	20 A	1		180 VA		1	20 A	Receptacles - Repair Area Workbench	34
35	Receptacle - Repair Area 143	20 A	1			180 VA	1	20 A	Receptacle - Repair Area 143	36
37	Receptacle - Repair Area 143	20 A	1	180 VA			1	20 A	Receptacle - Repair Area 143	38
39	Receptacle - Repair Area Cord Reel	20 A	1		180 VA		1	20 A	Receptacles - Exterior	40
41	Receptacles - Exterior	20 A	1			720 VA	1	20 A	Receptacles - Open Storage 202	42
43	Receptacles - Cat Walk 201	20 A	1	540 VA	625 VA		1	15 A	Lighting - Mech Office & Service, Lunchroom, WC	44
45	Lighting - Change Rooms, Laundry, WC/Shower	15 A	1		936 VA	22 VA	1	15 A	Receptacle - EMB-2	46
47	Fire Alarm Dialer	15 A	1			0 VA	3	15 A	Exterior Security Gate	48
49	Lighting - Service Garage 127	15 A	1	1440...	0 VA					50
51	Lighting - Service Garage 127	15 A	1		960 VA	0 VA				52
53	Lighting - Wash Bay 142 & Repair Area 143	15 A	1			960 VA	1	15 A	Tube Heaters	54
55	INV-1	15 A	1	1000...	0 VA		2	15 A	ERV-1	56
57	Unit Heaters	15 A	1		0 VA	0 VA				58
59	Tube Heaters	15 A	1			0 VA	1	15 A	BAS	60
61	Receptacle - DHWT-2	15 A	1	0 VA	0 VA		1	15 A	Gas Detection Panel - Repair Area	62
63	P-1 - Recirc Pump	15 A	1		0 VA	0 VA	1	15 A	Spare	64
65	Exterior Wall Packs	15 A	1			0 VA	1	15 A	Spare	66
67	Gas Detection Panel - Service Garage	15 A	1	0 VA	0 VA		1	15 A	Spare	68
69	Spare	15 A	1		0 VA	0 VA	1	15 A	Spare	70
71	Spare	15 A	1			0 VA	1	20 A	Spare	72
73	Spare	15 A	1	0 VA	0 VA		1	20 A	Spare	74
75	Generator Shore Power	60 A	3		0 VA	0 VA	2	60 A	P-EF	76
77						0 VA				78
79				0 VA	0 VA					80
81	Sand Storage Panel	100 A	2		0 VA	0 VA	3	100 A	P-CS	82
83						0 VA				84
	Total Load:			9802 VA	5749 VA	6360 VA				
	Total Amps:			82 A	48 A	54 A				

Notes:

Branch Panel: P-B

Location: HALLWAY 126
Mounting: Surface
Enclosure: 1

Volts: 120/208Y
Phases: 3
Wires: 4

A.I.C. Rating: 22kA
Mains Type: MCB
Mains Rating: 225 A
MCB Rating: 200 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	Receptacles - Office 9 & 10	15 A	1	1080...	1260...		1	15 A	Receptacles - Office 7 & 8	2
3	Receptacles - Office 6 & Administration	15 A	1			1080...	1	15 A	Receptacles - Copy/Equip. Rm 106	4
5	Receptacle - Plotter Copy/Equip. Rm 106	20 A	1				1	20 A	Receptacle - Photocopier Copy/Equip. Rm 106	6
7	Receptacle - Copy/Equip. Rm 106	20 A	1	180 VA	1080...		1	15 A	Receptacles - Office 4 & 5	8
9	Receptacles - Office 2 & 3	15 A	1			1080...	1	15 A	Receptacles - Office 1 & Storage 117 & 118	10
11	Washrooms - Recepts, Hands Free, P/O, Call Kit	15 A	1			720 VA	1	20 A	Receptacles - Housekeeping	12
13	Receptacle - Fridge	15 A	1	180 VA	180 VA		1	20 A	Receptacle - Kitchen Counter	14
15	Receptacle - Kitchen Counter	20 A	1			180 VA	1	20 A	Receptacle - Microwave	16
17	Receptacle - Microwave	20 A	1			180 VA	1	15 A	Dishwasher - Kitchen 125	18
19	Receptacles - Boardroom 116	15 A	1	1080...	720 VA		1	15 A	Receptacles - Lunchroom 115	20
21	Receptacles - Exterior	20 A	1			540 VA	1	15 A	Lighting - Hallway & Vestibules	22
23	Lighting - Rooms 108 - 113	15 A	1			0 VA	1	15 A	Lighting - Rooms 101 - 106	24
25	Lighting - W/R, Storage, Boardroom, Lunchroom	15 A	1	672 VA	16 VA		1	15 A	Receptacle - EMB-1	26
27	Force Flow Heater - Vestibule 100	30 A	2			2000...	2	30 A	Force Flow Heater - Vestibule 107	28
29						2000...				30
31	Force Flow Heater - Vestibule 114	30 A	2	2000...	180 VA		1	15 A	Receptacle - IT Services 124	32
33						2000...	1	15 A	Receptacle - IT Services 124	34
35	Receptacle - IT Services 124	15 A	1			180 VA	1	15 A	Receptacle - IT Services 124	36
37	Receptacle - IT Services 124	15 A	1	180 VA	180 VA		1	15 A	Receptacle - Janitor 119	38
39	Power Operator - Vestibule 114	15 A	1			0 VA	1	15 A	Power Operator - Vestibule 107	40
41	Receptacle - DHWT-1	15 A	1			0 VA	1	15 A	P-2 - Recirc Pump	42
43	CU-1	15 A	2	1206...	2070...		2	25 A	CU-2	44
45						1206...				46
47	Volume Boxes	15 A	1			0 VA	1	20 A	Receptacle - Roof Top Maintenance	48
49										50
51										52
53										54
55										56
57										58
59										60
61										62
63										64
65	Spare	15 A	1			0 VA	1	15 A	Spare	66
67	Spare	15 A	1	0 VA	0 VA		1	15 A	Spare	68
69	Spare	15 A	1			0 VA	1	15 A	Spare	70
71	Spare	20 A	1			0 VA	1	20 A	Spare	72
	Total Load:			12263 VA		14138 VA			7240 VA	
	Total Amps:			109 A		124 A			60 A	

Notes:

Branch Panel: P-C

Location: SERVICE ROOM 203
Mounting: Surface
Enclosure: 1

Volts: 120/208Y
Phases: 3
Wires: 4

A.I.C. Rating: 22kA
Mains Type: MCB
Mains Rating: 600 A
MCB Rating: 600 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	Air Curtain - AC-1a	30 A	2	2278...	2278...		2	30 A	Air Curtain - AC-1b	2
3						2278...				4
5	Air Curtain - AC-2a	30 A	2			2278...	2	30 A	Air Curtain - AC-2b	6
7				2278...	2278...					8
9	Air Curtain - AC-3a	30 A	2		2278...	2278...	2	30 A	Air Curtain - AC-3b	10
11						2278...				12
13	Air Curtain - AC-4a	30 A	2	2278...	2278...		2	30 A	Air Curtain - AC-4b	14
15					2278...	2278...				16
17	Air Curtain - AC-5a	30 A	2			2278...	2	30 A	Air Curtain - AC-5b	18
19				2278...	2278...					20
21	Air Curtain - AC-6a	30 A	2		2278...	2278...	2	30 A	Air Curtain - AC-6b	22
23						2278...				24
25	Air Curtain - AC-7a	30 A	2	2278...	2278...		2	30 A	Air Curtain - AC-7b	26
27					2278...	2278...				28
29	Air Curtain - AC-8a	30 A	2			2278...	2	30 A	Air Curtain - AC-8b	30
31				2278...	2278...					32
33	Air Curtain - AC-9a	30 A	2		2278...	2278...	2	30 A	Air Curtain - AC-9b	34
35						2278...				36
37	Air Curtain - AC-10a	30 A	2	2278...	2278...		2	30 A	Air Curtain - AC-10b	38
39					2278...	2278...				40
41	Air Curtain - AC-11a	30 A	2			2278...	2	30 A	Air Curtain - AC-11b	42
43				2278...	2278...					44
45	Air Curtain - AC-12a	30 A	2		2278...	2278...	2	30 A	Air Curtain - AC-12b	46
47						2278...				48
49	Heat Trace - HT-01	40 A	2	3350...	3285...		2	40 A	Heat Trace - HT-02	50
51					3350...	3285...				52
53	Heat Trace - HT-03	40 A	2			3350...	2	40 A	Heat Trace - HT-03	54
55				3350...	3285...					56
57	Ceiling Fans	15 A	1		0 VA					58
59										60
61										62
63										64
65	Spare	15 A	1			0 VA	1	15 A	Spare	66
67	Spare	15 A	1	0 VA	0 VA		1	15 A	Spare	68
69	Spare	15 A	1		0 VA	0 VA	1	15 A	Spare	70
71	Spare	20 A	1			0 VA	1	20 A	Spare	72
	Total Load:			49710 VA	43075 VA	43075 VA				
	Total Amps:			414 A	359 A	359 A				

Notes:

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

LICENSED PROFESSIONAL ENGINEER
N. T. FRAYN
100515283
PROVINCE OF ONTARIO
2026-06-09

ISSUANCE

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT & TENDER

PROJECT NORTH | TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ENGINEER.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ENGINEER.

PROJECT
TOWN OF SMITH FALLS
PUBLIC WORKS OPERATIONS CENTRE
11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA # **26539**
CLIENT #
DRAWN BY **B.RITTWAGE**
CHECKED BY **N.FRAYN**
DATE **2026-06-29**
SCALE
SHEET NAME
PANEL SCHEDULES I

SHEET NO
E030
D (24"x36")

C:\RVT Local Files\26539_ELEC_Central_2024_brittwage.rvt
2026-06-29 10:02:36 AM

Branch Panel: P-CS

Location: COLD STORAGE 300
Mounting: Surface
Enclosure: 1

Volts: 120/208Y
Phases: 3
Wires: 4

A.I.C. Rating: 22kA
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 100 A

CKT	Circuit Description	Trip	Poles	A		B		Poles	Trip	Circuit Description	CKT
1	Lighting - Cold Storage & Hazardous Storage	20 A	1	1980 VA	0 VA						2
3	Receptacles - Cold Storage 300	20 A	1			540 VA	0 VA	3	15 A	Exterior Security Gate	4
5	Receptacles - Cold Storage 300	20 A	1	0 VA	0 VA						6
7	Lighting - Hazardous Storage	15 A	1			0 VA	0 VA	1	20 A	Receptacles - Cold Storage Exterior	8
9	Exterior Pole Lighting	15 A	1	0 VA	0 VA			1	15 A	Exterior Wall Packs	10
11						0 VA	0 VA				12
13	EF-7	15 A	3	0 VA	0 VA			3	15 A	EF-6	14
15						0 VA	0 VA				16
17	Motorized Dampers	15 A	1	0 VA							18
19											20
21											22
23											24
25											26
27	Spare	15 A	1			0 VA	0 VA	1	15 A	Spare	28
29	Spare	15 A	1	0 VA	0 VA			1	20 A	Spare	30
			Total Load:	2460 VA		540 VA					
			Total Amps:	21 A		5 A					

Notes:

Branch Panel: P-EV

Location: MECHANICAL SERVICES 141
Mounting: Surface
Enclosure: 1

Volts: 120/208Y
Phases: 3
Wires: 4

A.I.C. Rating: 22kA
Mains Type: MLO
Mains Rating: 225 A

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1													2
3													4
5													6
7													8
9													10
11													12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
			Total Load:	0 VA		0 VA		0 VA					
			Total Amps:	0 A		0 A		0 A					

Notes:

Branch Panel: P-EF

Location: SERVICE ROOM 203
Mounting: Surface
Enclosure: 1

Volts: 240/120
Phases: 1
Wires: 3

A.I.C. Rating: 22kA
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 60 A

CKT	Circuit Description	Trip	Poles	A		B		Poles	Trip	Circuit Description	CKT
1	EF-1a	20 A	2	1435 VA	1435 VA			2	20 A	EF-1b	2
3						1435 VA	1435 VA				4
5	EF-2a	15 A	2	561 VA	200 VA			2	15 A	EF-2b	6
7						561 VA	200 VA				8
9	EF-3	15 A	1	500 VA	500 VA			1	15 A	EF-4	10
11	EF-5	15 A	1			400 VA	915 VA	2	15 A	VEF-1	12
13	Motorized Dampers	15 A	1	40 VA	915 VA						14
15	Spare	15 A	1			0 VA	0 VA	1	15 A	Spare	16
17	Spare	15 A	1	0 VA	0 VA			1	20 A	Spare	18
			Total Load:	5586 VA		4946 VA					
			Total Amps:	47 A		41 A					

Notes:

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

LICENSED PROFESSIONAL ENGINEER
2026-06-09
N. T. FRAYN
100515203
PROVINCE OF ONTARIO

ISSUANCE

NO	DATE	ISSUE
A	2026-06-29	ISSUED FOR PERMIT & TENDER

PROJECT NORTH | TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ENGINEER.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ENGINEER.

PROJECT

TOWN OF SMITH FALLS

PUBLIC WORKS OPERATIONS CENTRE

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA # **26539**
CLIENT #

DRAWN BY **B.RITTWAGE**
CHECKED BY **N.FRAYN**

DATE **2026-06-29**
SCALE

SHEET NAME

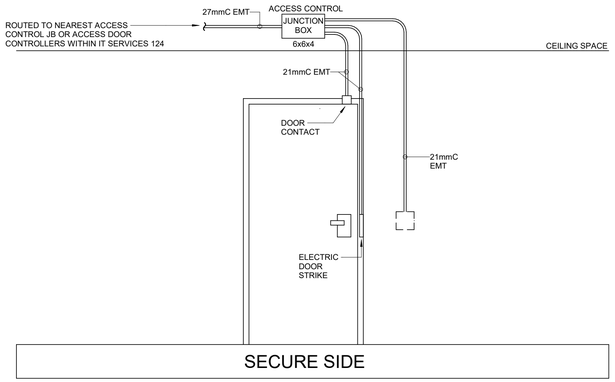
PANEL SCHEDULES II

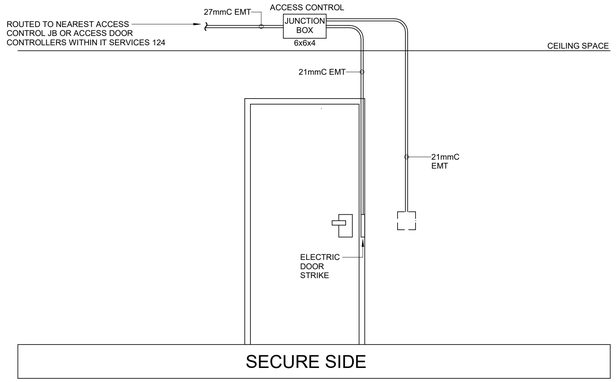
SHEET NO

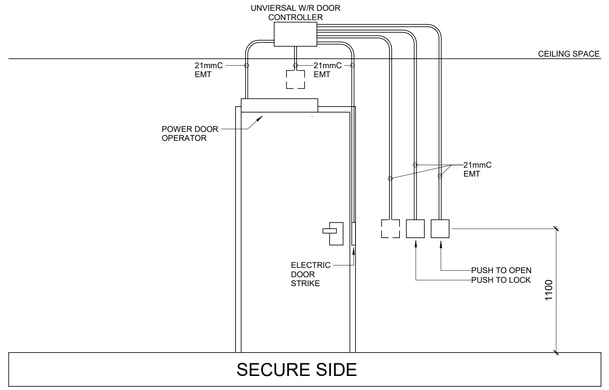
E031

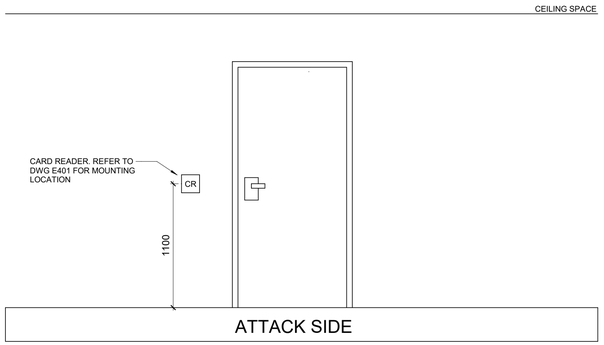
D (24"x36")

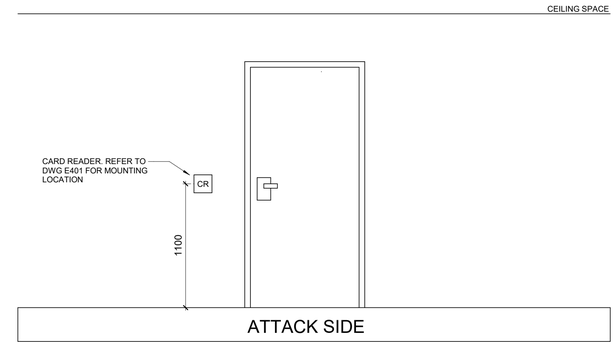
C:\RVT Local Files\26539_ELEC_Central_2024_brittwage.rvt
2026-06-29 10:02:26 AM

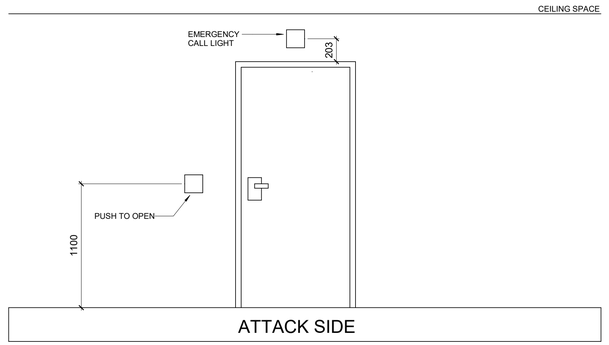








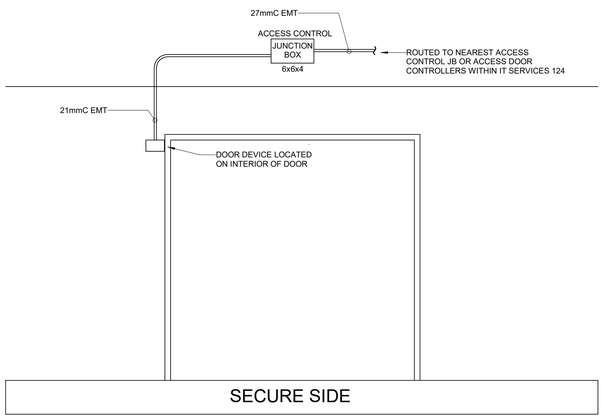




1 E040 SECURITY DOOR PORTAL - TYPE 1

2 E040 SECURITY DOOR PORTAL - TYPE 2

3 E040 DOOR PORTAL - UNIVERSAL WR



4 E040 SECURITY DOOR PORTAL - OVERHEAD DOOR

C:\RVT Local Files\26539_ELEC_Central_2024_brittwage.rvt

2026-06-29 10:02:37 AM

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

LICENSED PROFESSIONAL ENGINEER
100515203
N. T. FRAYN
2026-06-29
PROVINCE OF ONTARIO

ISSUANCE

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT & TENDER

PROJECT NORTH | TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ENGINEER.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ENGINEER.

PROJECT

TOWN OF SMITH FALLS

PUBLIC WORKS OPERATIONS CENTRE

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA # **26539**

CLIENT #

DRAWN BY **B.RITTWAGE**

CHECKED BY **N.FRAYN**

DATE **2026-06-29**

SCALE **1 : 25**

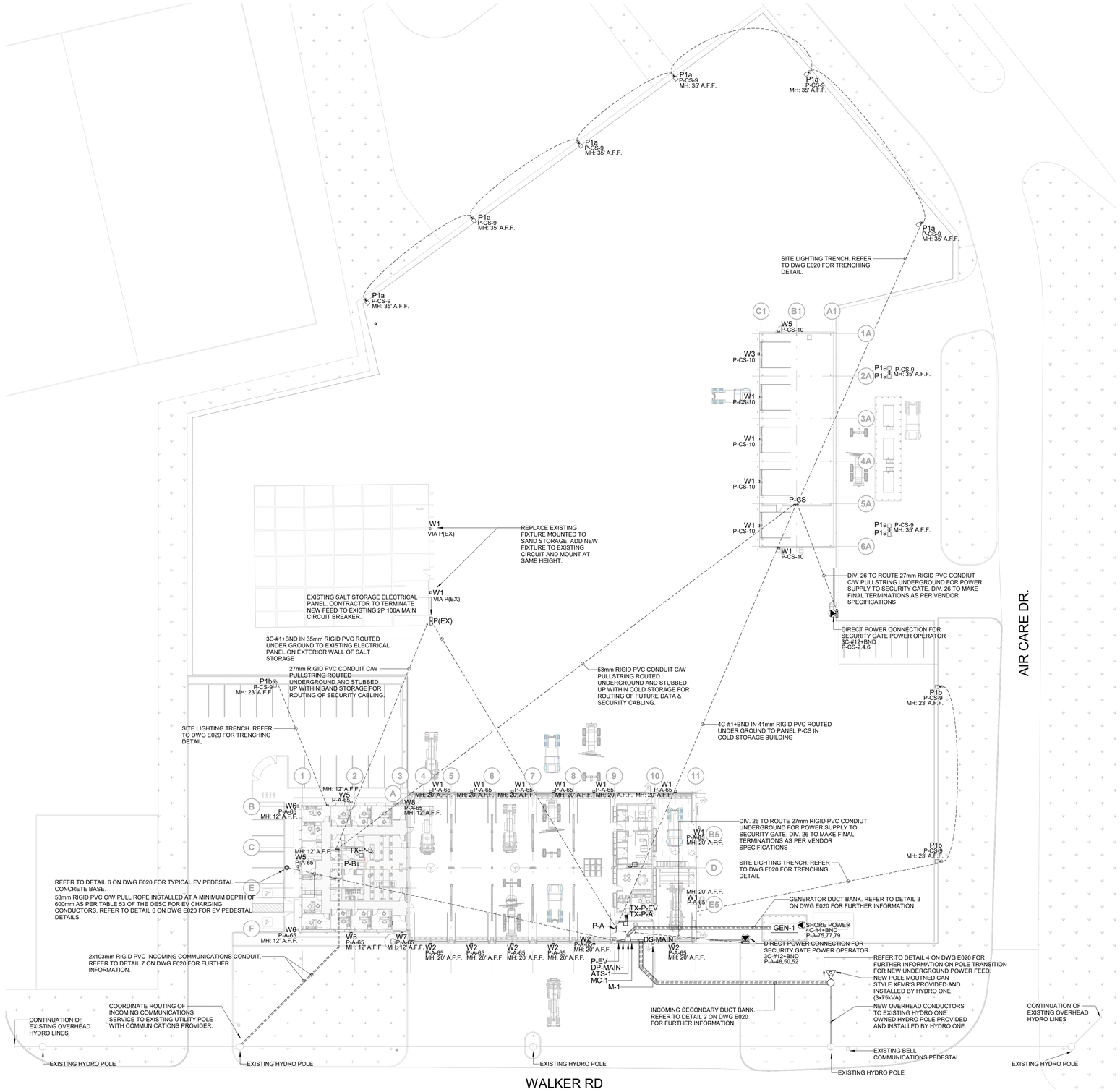
SHEET NAME

DOOR PORTALS

SHEET NO

E040

D (24"x36")



1 E101 ELECTRICAL SITE PLAN
1 : 350

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

LICENSED PROFESSIONAL ENGINEER
N. T. FRAYN
100515203
PROVINCE OF ONTARIO
2026-06-29

ISSUANCE

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT & TENDER

PROJECT NORTH TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ENGINEER.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ENGINEER.

PROJECT
TOWN OF SMITH FALLS
PUBLIC WORKS OPERATIONS CENTRE
11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

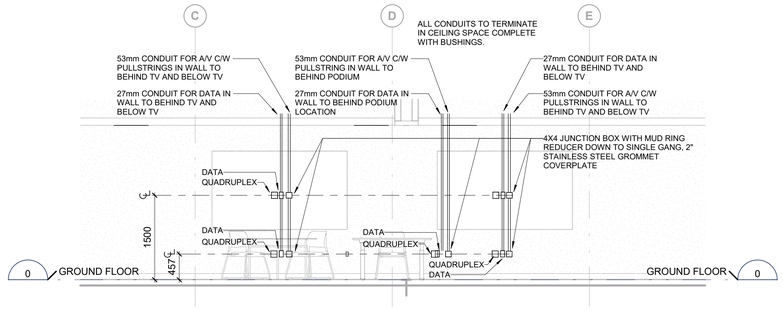
IDEA # **26539**
CLIENT #
DRAWN BY **B.RITTWAGE**
CHECKED BY **N.FRAYN**
DATE **2026-06-29**
SCALE **1 : 350**

SHEET NAME
SITE PLAN

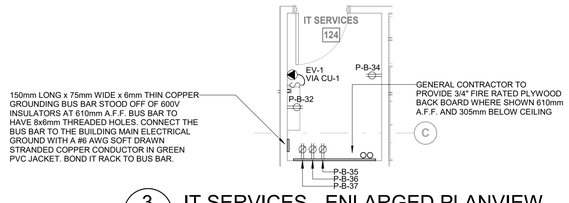
SHEET NO
E101

D (24"x36")

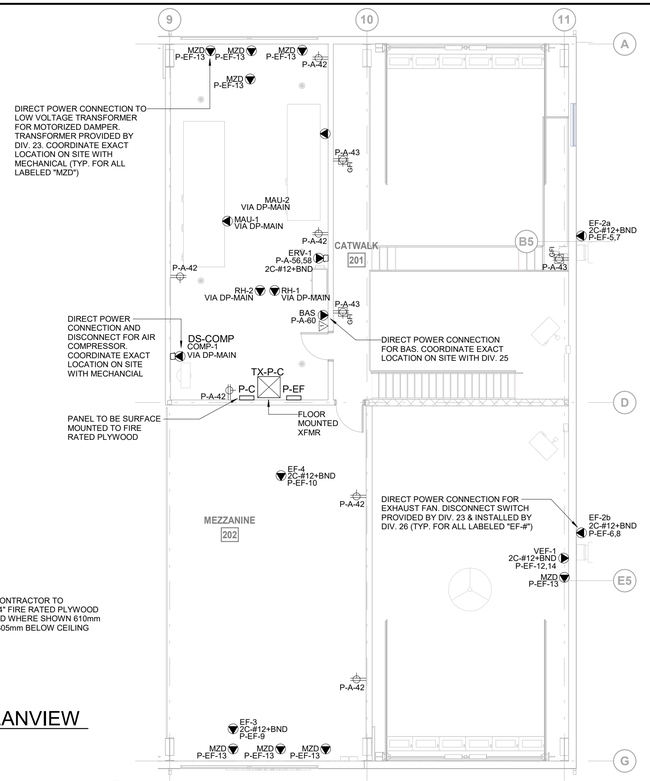
C:\RVT Local Files\26539_ELEC_Central_2024_brittwage.rvt
2026-06-29 10:02:41 AM



4 E201 ELEVATION - LUNCHROOM/BOARDROOM A/V
1 : 50



3 E201 IT SERVICES - ENLARGED PLANVIEW
1 : 50



2 E201 POWER & AUXILIARY DEVICE PLAN - MEZZANINE
1 : 100

1 E201 POWER & AUXILIARY DEVICE PLAN - OFFICE/WAREHOUSE
1 : 100

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL
LICENSED PROFESSIONAL ENGINEER
100515203
N. T. FRAYN
2026-06-29
PROVINCE OF ONTARIO

ISSUANCE

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT & TENDER

PROJECT NORTH TRUE NORTH

GENERAL NOTES
1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ENGINEER.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ENGINEER.

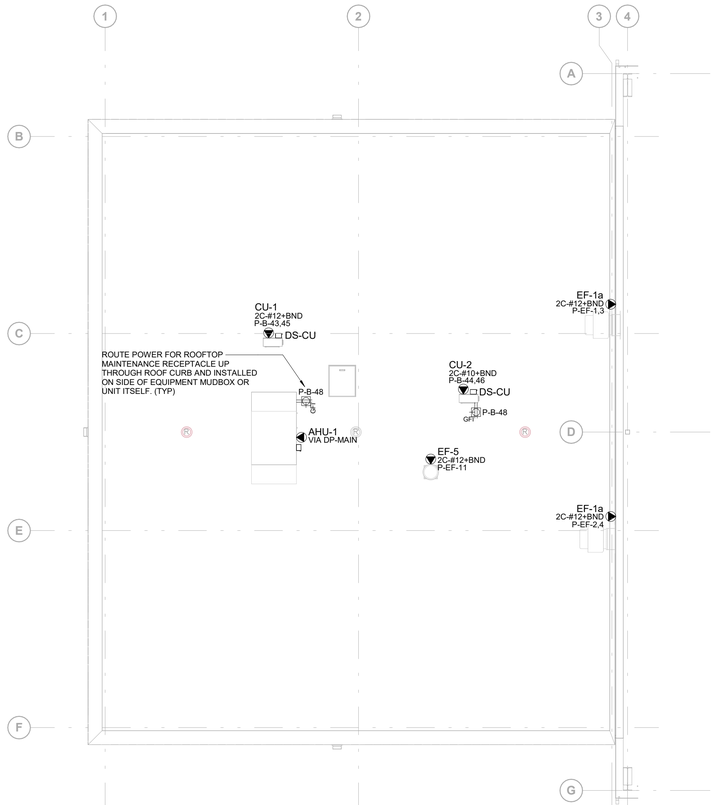
PROJECT
TOWN OF SMITH FALLS
PUBLIC WORKS OPERATIONS CENTRE
11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA # 26539 | CLIENT #
DRAWN BY B.RITTWAGE | CHECKED BY N.FRAYN
DATE 2026-06-29 | SCALE As Indicated
SHEET NAME
POWER & AUXILIARY DEVICE PLAN - LEVEL 01

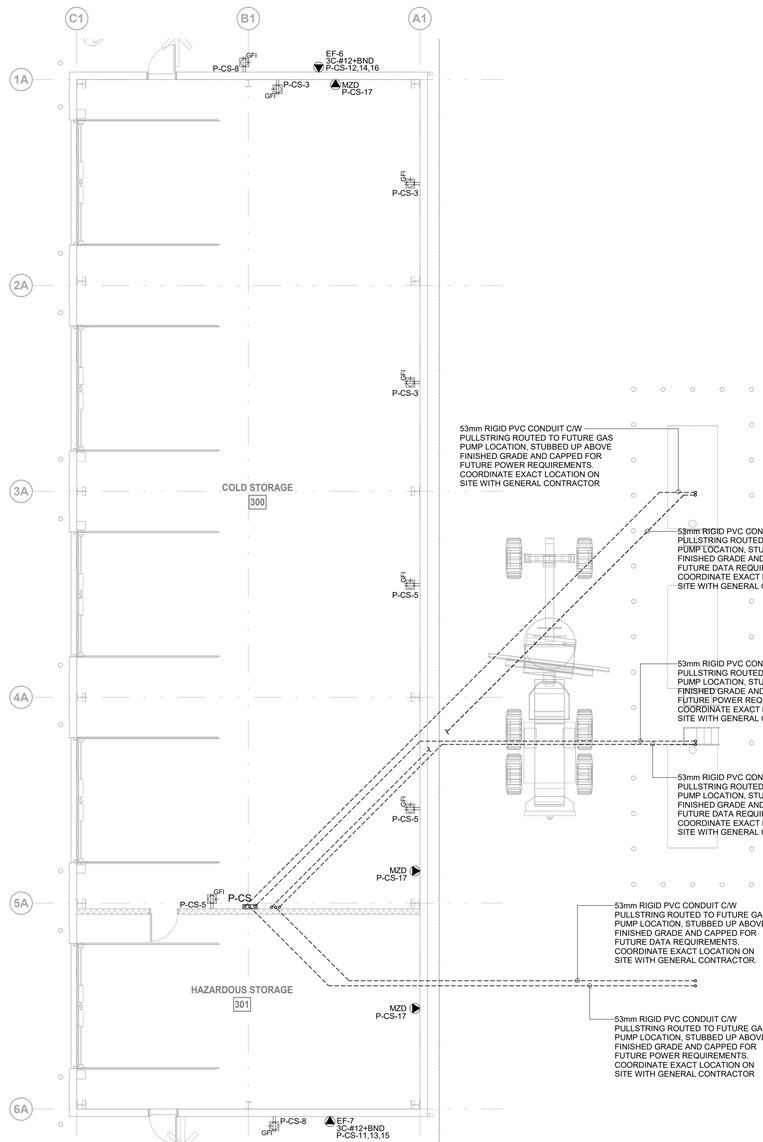
SHEET NO. **E201**

D (24"x36")

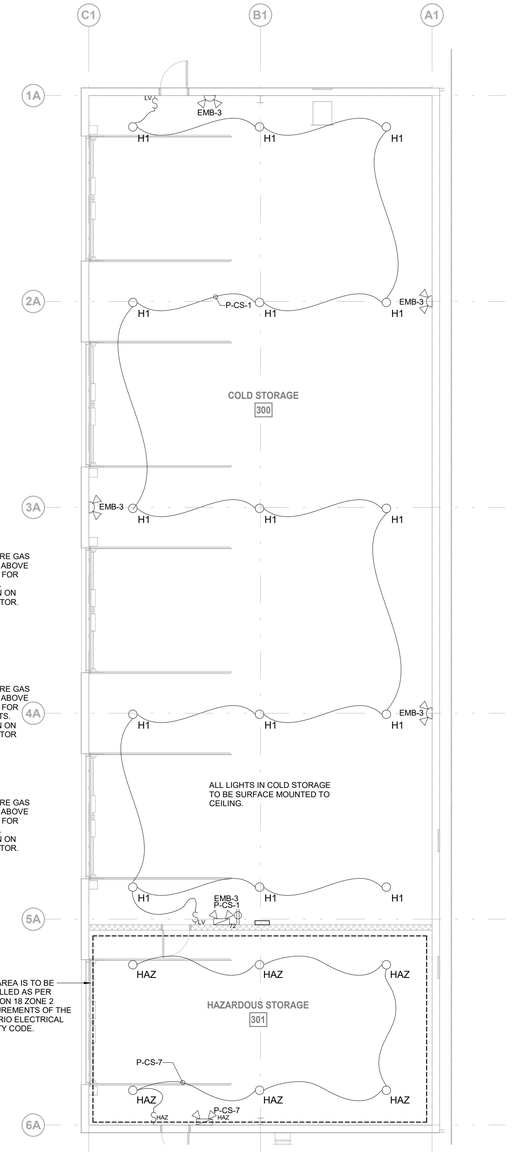
C:\RVT Local Files\26539_ELEC_Central_2024_brittwage.rvt
2026-06-29 10:02:46 AM



1 ROOF PLAN
E202 1 : 100



2 POWER & AUXILIARY DEVICE PLAN - COLD STORAGE
E202 1 : 100



3 LIGHTING & CEILING DEVICE PLAN - COLD STORAGE
E202 1 : 100

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

LICENSED PROFESSIONAL ENGINEER
N. T. FRAYN
100515203
PROVINCE OF ONTARIO
2026-06-09

ISSUANCE

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT & TENDER

PROJECT NORTH TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ENGINEER.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ENGINEER.

PROJECT

TOWN OF SMITH FALLS

PUBLIC WORKS OPERATIONS CENTRE

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA # **26539**
CLIENT #
DRAWN BY **B.RITTWAGE**
CHECKED BY **N.FRAYN**
DATE **2026-06-29**
SCALE **1 : 100**

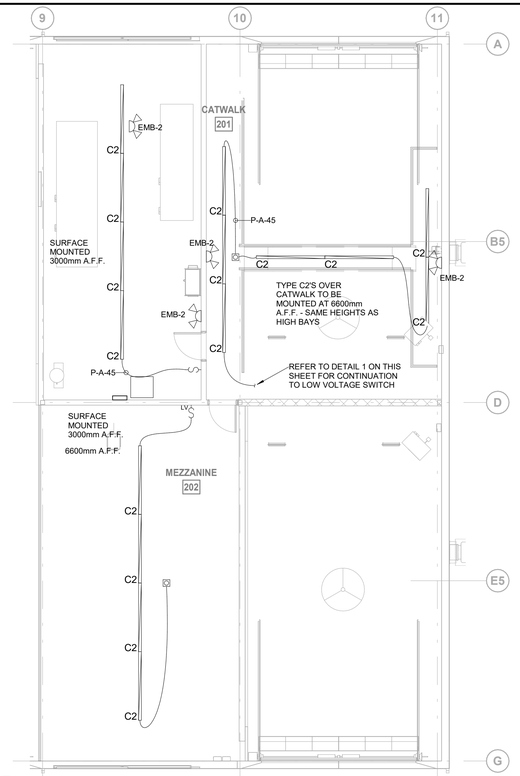
SHEET NAME

ROOF PLAN & ELECTRICAL PLANS - COLD STORAGE

SHEET NO **E202**

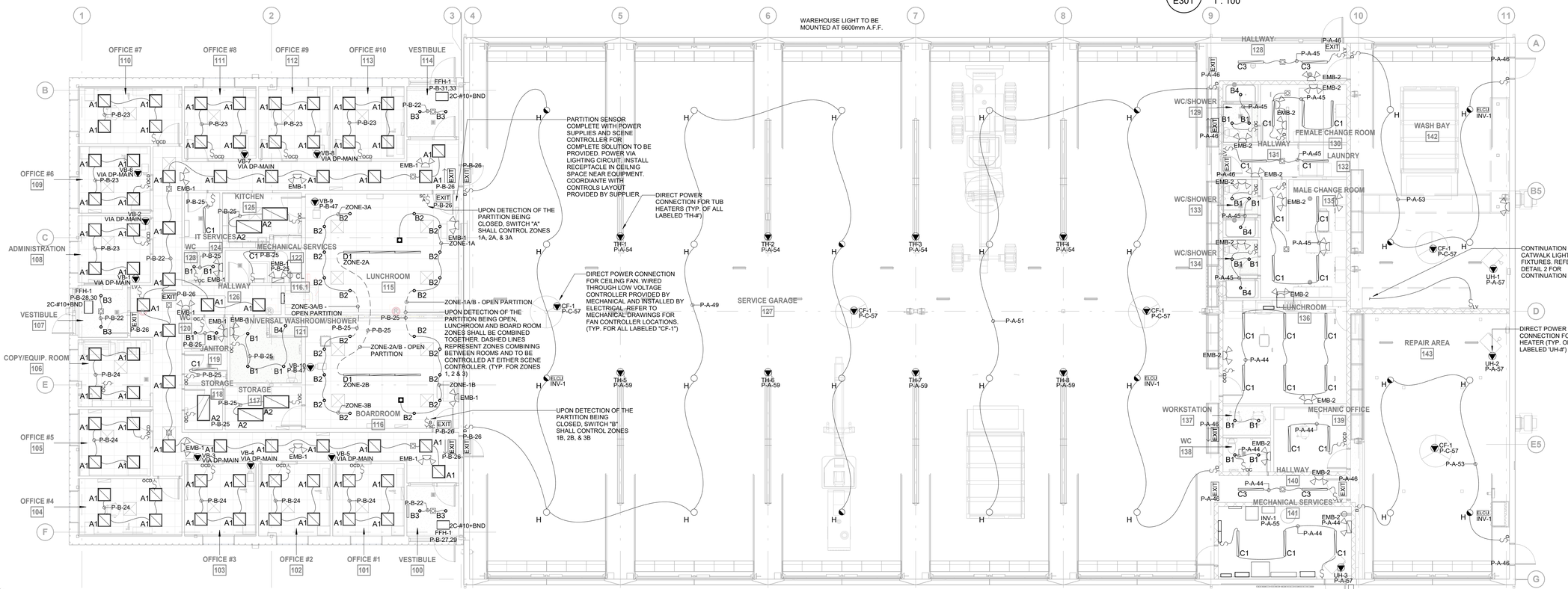
D (24"x36")

C:\RVT Local Files\26539_ELEC_Central_2024_brittwage.rvt
2026-06-29 10:02:49 AM



2 LIGHTING & CEILING DEVICE PLAN - MEZZANINE

E301 — 1 : 100



1 LIGHTING AND CEILING DEVICE PLAN - OFFICE/WAREHOUSE

E301 — 1 : 100

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

LICENSED PROFESSIONAL ENGINEER — N. T. FRAYN 100515203 — 2026-06-29 — PROVINCE OF ONTARIO

ISSUANCE

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT & TENDER

PROJECT NORTH — TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ENGINEER.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ENGINEER.

PROJECT

TOWN OF SMITH FALLS

PUBLIC WORKS OPERATIONS CENTRE

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA # **26539**

CLIENT #

DRAWN BY **B.RITTWAGE**

CHECKED BY **N.FRAYN**

DATE **2026-06-29**

SCALE **1 : 100**

SHEET NAME

LIGHTING & CEILING DEVICE PLAN - LEVEL 01

SHEET NO

E301

D (24"x36")

2026-06-29 10:02:56 AM

C:\RVT Local Files\26539_ELEC_Central_2024_brittwage.rvt

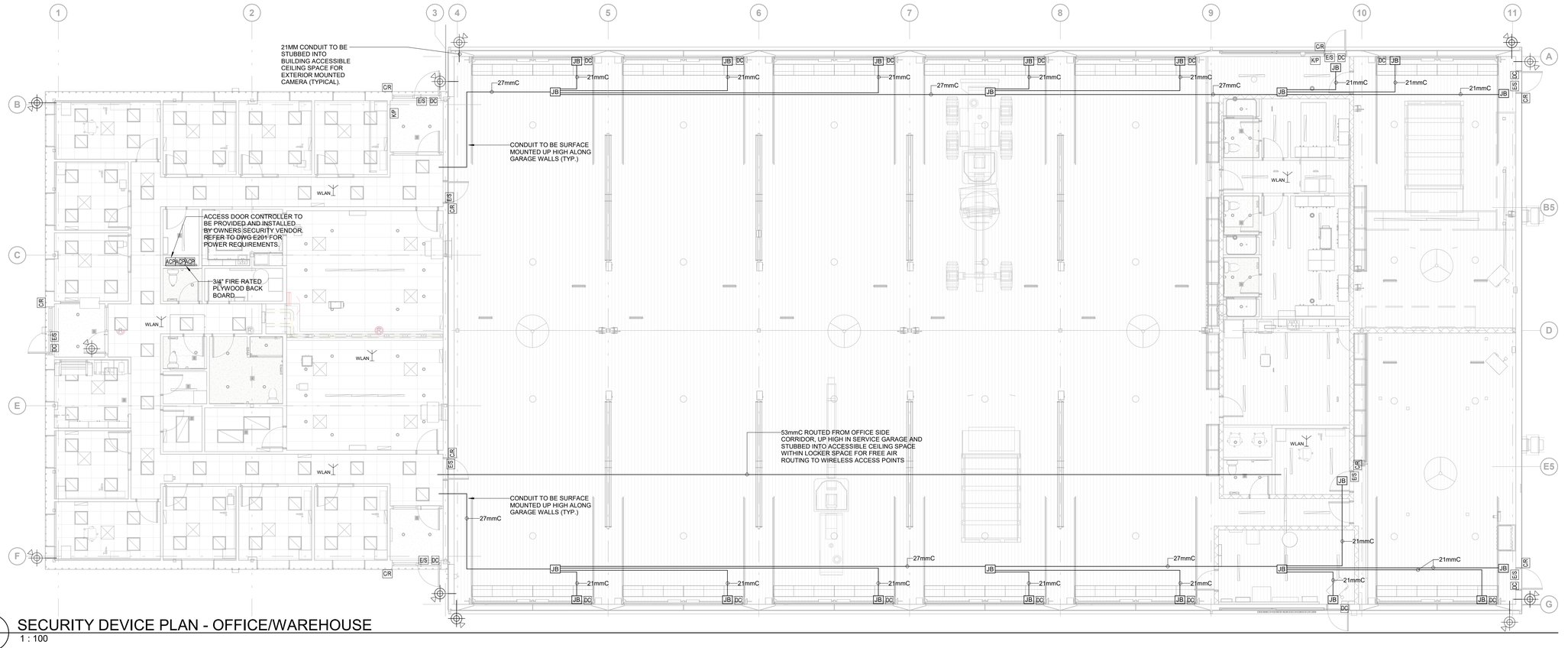
IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL



ISSUANCE

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT & TENDER



1 / E401 SECURITY DEVICE PLAN - OFFICE/WAREHOUSE
1 : 100

PROJECT NORTH | TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ENGINEER.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ENGINEER.

PROJECT

TOWN OF SMITH FALLS

PUBLIC WORKS OPERATIONS CENTRE

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA # **26539**

CLIENT #

DRAWN BY **B.RITTWAGE**

CHECKED BY **N.FRAYN**

DATE **2026-06-29**

SCALE **1 : 100**

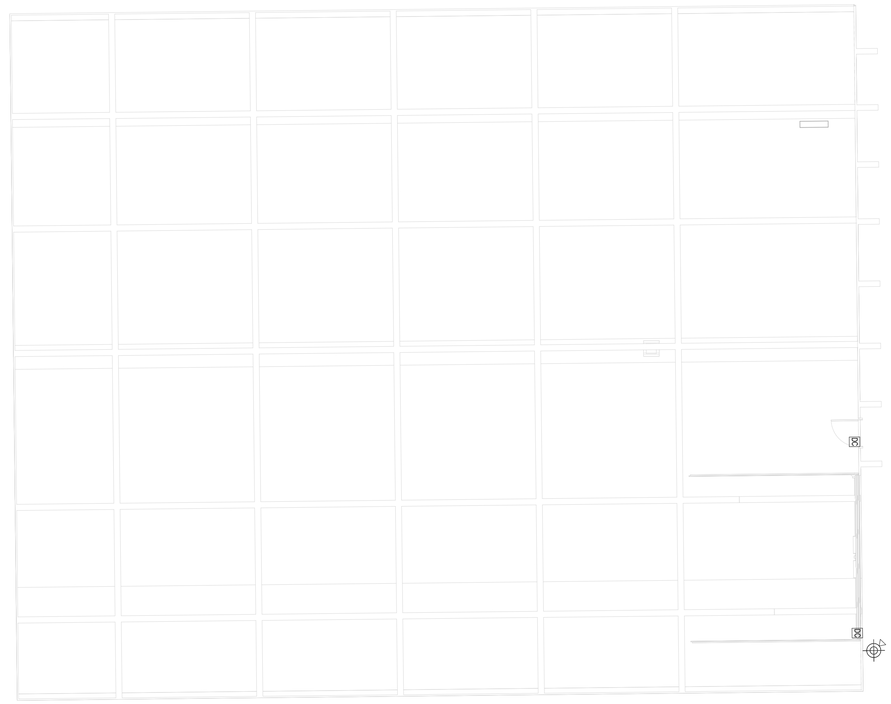
SHEET NAME

SECURITY DEVICE PLAN - LEVEL 01

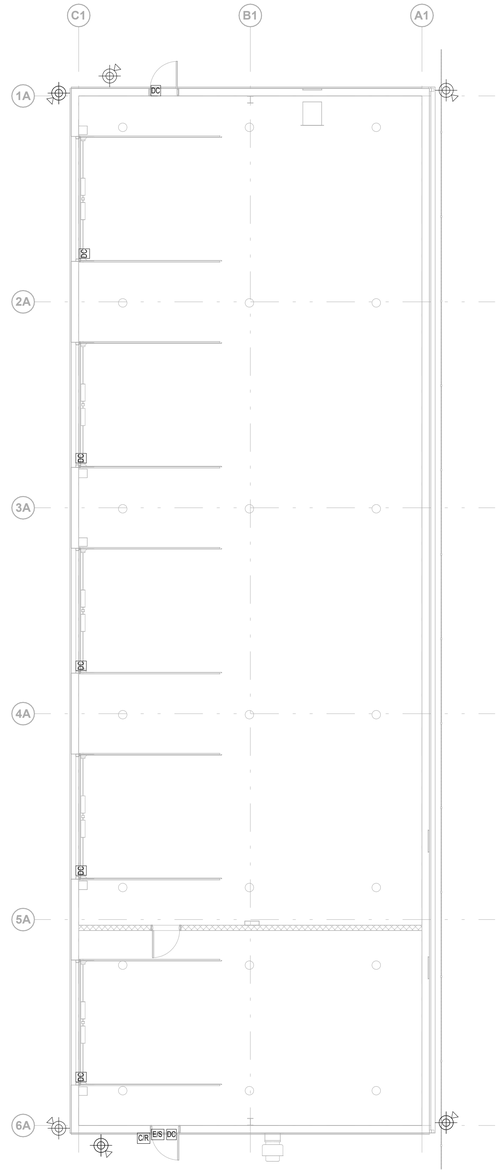
SHEET NO **E401**

D (24"x36")

C:\RVT Local Files\26539_ELEC_Central_2024_brittwage.rvt
2026-06-29 10:02:59 AM



2 E402 SECURITY DEVICE PLAN - SAND STORAGE
1 : 100



1 E402 SECURITY DEVICE PLAN - COLD STORAGE
1 : 100

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

LICENSED PROFESSIONAL ENGINEER
2026-06-09
N. T. FRAYN
100515203
PROVINCE OF ONTARIO

ISSUANCE

NO	DATE	ISSUE
A	2026-06-01	ISSUED FOR FINAL REVIEW
B	2026-06-29	ISSUED FOR PERMIT & TENDER

PROJECT NORTH | TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ENGINEER.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ENGINEER.

PROJECT

TOWN OF SMITH FALLS

PUBLIC WORKS OPERATIONS CENTRE

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA # **26539**

CLIENT #

DRAWN BY **B.RITTWAGE**

CHECKED BY **N.FRAYN**

DATE **2026-06-29**

SCALE **1 : 100**

SHEET NAME

SECURITY DEVICE PLAN - COLD & SAND STORAGE

SHEET NO

E402

D (24"x36")

C:\RVT Local Files\26539_ELEC_Central_2024_brittwage.rvt
2026-06-29 10:03:00 AM

GENERAL NOTES:

1. PROVIDE NORMALLY CLOSED CONTACT'S AND ASSOCIATED CONDUIT AND WIRING BACK TO DIV. 25 BAS SYSTEM, AND OWNER SECURITY PANEL HEAD-END FROM FIRE ALARM PANEL TO INDICATE AND ANNUNCIATE FIRE "ALARM" CONDITION.
2. ALL COPPER/FIBRE NOTED FOR PRICING PURPOSES ONLY TO SUIT BASE BID SYSTEM, TYPE OF CONDUCTOR TO BE CONFIRMED BY MANUFACTURER TO SUIT SYSTEM REQUIREMENTS. ALL NOTIFICATION CIRCUITS TO BE CLASS 'A' AND ALL NETWORK LINKS TO BE CLASS 'A' STYLE C DATA COMMUNICATIONS CIRCUITS IN CONFORMANCE WITH CAN/ULC S524.
3. PROVIDE SOUND AND VISUAL SYNCHRONIZATION DEVICES AS REQUIRED TO SUIT MANUFACTURER'S RECOMMENDATIONS.

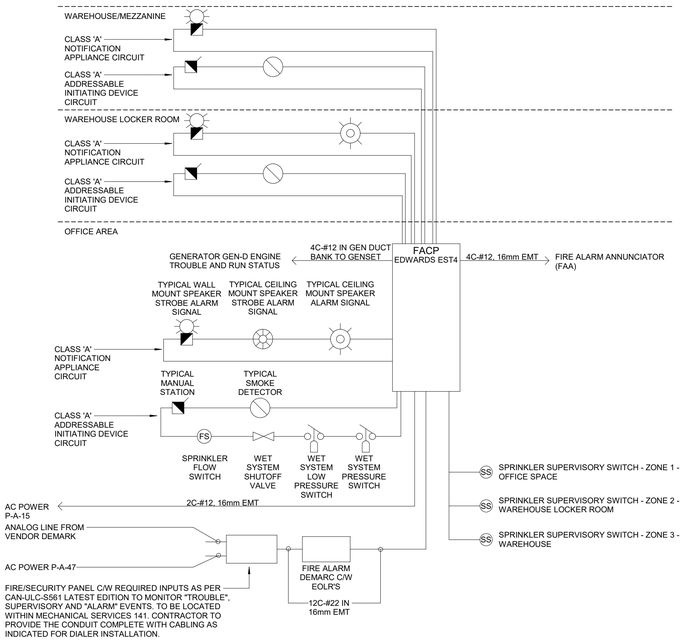


FIGURE D1 FROM CAN/ULC-S561:

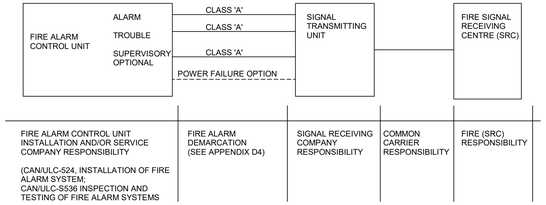
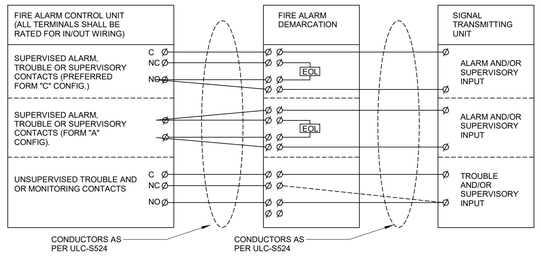
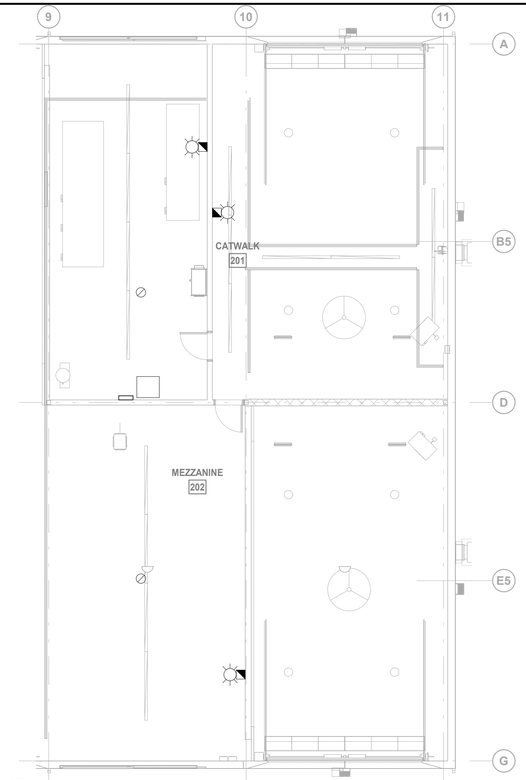


FIGURE D4 FROM CAN/ULC-S561:



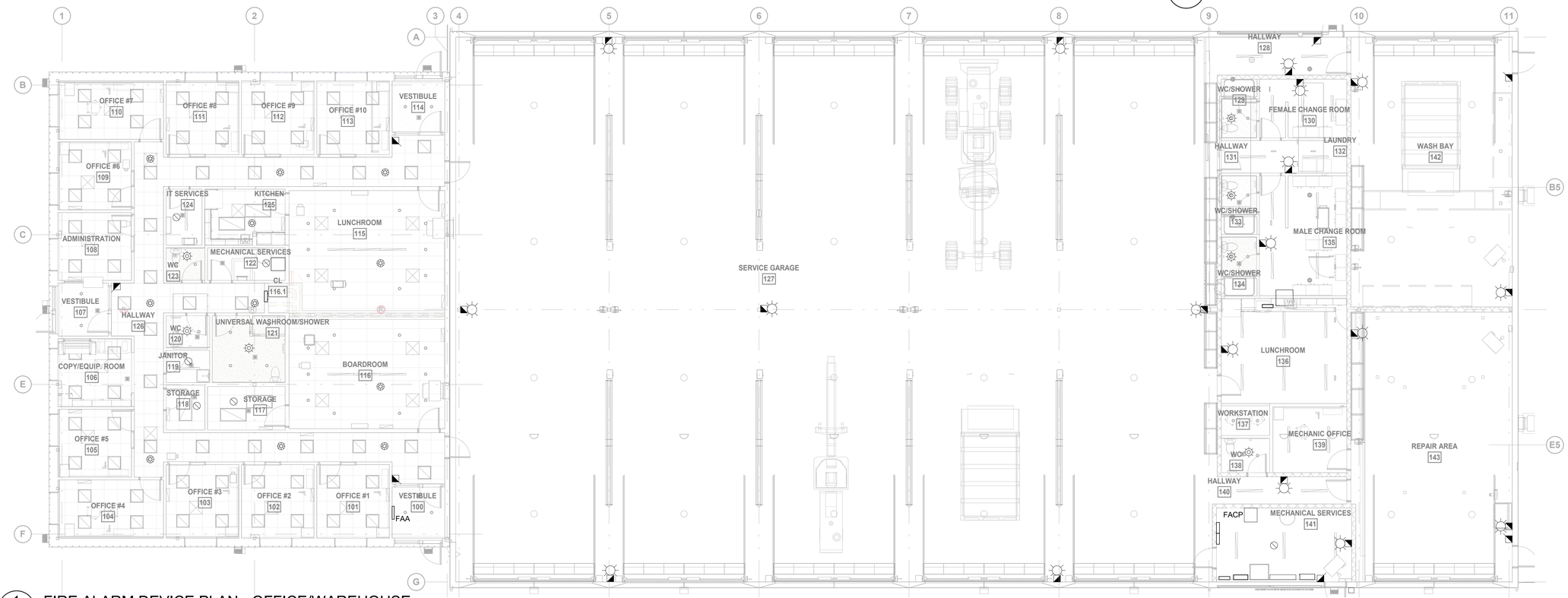
FIRE ALARM SPRINKLER AND SUPERVISION ZONING SCHEDULE

I.D.	DESCRIPTION
	SUPERVISORY ZONES
	SPRINKLER ZONE VALVE POSITION SWITCH - OFFICE
	SPRINKLER ZONE VALVE POSITION SWITCH - WARHOUSE LOCKER ROOMS
	SPRINKLER ZONE VALVE POSITION SWITCH - WAREHOUSE/MEZZANINE
	SPRINKLER MAIN HEADER SHUTOFF VALVE POSITION
	SPRINKLER MAIN HEADER PRESSURE SWITCH
	SPRINKLER MAIN HEADER LOW PRESSURE SWITCH
	GENERATOR TROUBLE
	GENERATOR RUNNING
	ALARM ZONES
	SPRINKLER ZONE FLOW SWITCH - OFFICE
	SPRINKLER ZONE FLOW SWITCH - WAREHOUSE LOCKER ROOM
	SPRINKLER ZONE FLOW SWITCH - WAREHOUSE/MEZZANINE
	JANITOR CLOSET - SMOKE DETECTOR - OFFICE AREA
	STORAGE ROOMS - SMOKE DETECTORS - OFFICE AREA
	IT SERVICES 124 - SMOKE DETECTOR - OFFICE AREA
	MECHANICAL SERVICES 122 - SMOKE DETECTOR - OFFICE AREA
	MECHANICAL SERVICES 141 - SMOKE DETECTOR - WAREHOSE
	MEZZANINE - SMOKE DETECTORS - WAREHOUSE



2 E501 FIRE ALARM DEVICE PLAN - MEZZANINE

1 : 100



1 E501 FIRE ALARM DEVICE PLAN - OFFICE/WAREHOUSE

1 : 100

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

SEAL

LICENSED PROFESSIONAL ENGINEER
N. T. FRAYN
100515281
2026-06-09
PROVINCE OF ONTARIO

ISSUANCE

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT & TENDER

PROJECT NORTH | TRUE NORTH

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ENGINEER.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ENGINEER.

PROJECT

TOWN OF SMITH FALLS

PUBLIC WORKS OPERATIONS CENTRE

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA #	CLIENT #
26539	
DRAWN BY	CHECKED BY
B.RITTWAGE	**N.FRAYN**
DATE	SCALE
2026-06-29	**1 : 100**

SHEET NAME

FIRE ALARM DEVICE PLAN - LEVEL 01

SHEET NO

E501

D (24"x36")

C:\RVT Local Files\26539_ELEC_Central_2024_brittwage.rvt

2026-06-29 10:03:06 AM