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DRAWING SHEETS

ARCHITECTURAL:

G001	COVER SHEET
G002	GENERAL NOTES, CODE SUMMARY, ABBREVIATIONS & ASSEMBLIES
A100	SITE PLAN
A101	MAIN FLOOR PLAN
A102	SECOND FLOOR PLAN
A103	EXISTING BUILDING STORAGE AREA RENOVATION
A151	REFLECTED CEILING PLAN - MAIN FLOOR
A152	REFLECTED CEILING PLAN - SECOND FLOOR
A200	EXTERIOR ELEVATIONS
A300	BUILDING SECTIONS
A350	WALL SECTIONS
A351	WALL SECTIONS
A352	WALL SECTIONS
A353	SECTION DETAILS
A354	SECTION DETAILS
A400	PLAN DETAILS
A401	PLAN DETAILS
A500	LARGE SCALE STAIR PLANS, STAIR SECTIONS & DETAILS
A501	LARGE SCALE FLOOR PLANS & INTERIOR ELEVATIONS

STRUCTURAL:

S100	GENERAL NOTES
S101	GENERAL NOTES
S102	TYPICAL DETAILS
S103	TYPICAL DETAILS
S200	MAIN FLOOR PLAN
S201	SECOND FLOOR FRAMING PLAN
S202	EXISTING BUILDING DEMOLITION PLAN
S203	GENERATOR AND LOAD BANK FOUNDATION
S300	PARTIAL FLOOR PLAN AND SCHEDULES
S400	SECTIONS AND ELEVATION
S401	SECTIONS AND DETAILS

MECHANICAL:

M001	MECHANICAL LEGEND
FP100	LOW LEVEL SPRINKLER LAYOUT
FP101	HIGH LEVEL SPRINKLER LAYOUT
P100	MAIN FLOOR UNDER FLOOR DRAINAGE
P101	SECOND FLOOR UNDER FLOOR DRAINAGE
P102	MAIN FLOOR PLUMBING
P103	SECOND FLOOR PLUMBING
M100	GARAGE AND STORAGE AREAS HYDRONIC HEATING
M101	MAIN FLOOR OFFICE AREA HYDRONIC HEATING
M102	SECOND FLOOR OFFICE HYDRONIC HEAT
M103	GARAGE AND STORAGE AREAS VENTILATION
M104	MAIN FLOOR OFFICE VENTILATION
M105	SECOND FLOOR VENTILATION
M400	MECHANICAL ROOM PLANS
M401	SCHEMATICS
M402	SCHEMATICS
M500	MECHANICAL DETAILS
M501	MECHANICAL DETAILS
M600	MECHANICAL SCHEDULES
M601	MECHANICAL SCHEDULES

ELECTRICAL:

E001	ELECTRICAL LEGEND AND DRAWING LIST
ES10	ELECTRICAL SITE PLAN
ED10	EXISTING BUILDING DEMO AND RENOVATION WORKS, FIRST FLOOR
ED20	EXISTING BUILDING DEMO AND RENOVATION WORKS, SECOND FLOOR
EL10	LIGHTING SYSTEM, FIRST FLOOR
EL20	LIGHTING SYSTEM, SECOND FLOOR
EP10	POWER SYSTEM, FIRST FLOOR
EP20	POWER SYSTEM, SECOND FLOOR
EY10	LIFE SAFETY SYSTEMS, FIRST FLOOR
EY20	LIFE SAFETY SYSTEMS, SECOND FLOOR
E500	SCHEDULES - ELECTRICAL PANELS
E600	ELECTRICAL SINGLE LINE DIAGRAM
E700	SCHEDULES - LUMINAIRE, MECHANICAL EQUIPMENT
E800	FIRE ALARM SINGLE LINE DIAGRAM
T500	SCHEDULES - TELECOMMUNICATIONS
T501	TELECOMMUNICATIONS DETAILS
T502	TELECOMMUNICATIONS SYSTEMS DIAGRAMS
T503	TELECOMMUNICATIONS ELEVATION DETAILS
T504	TELECOMMUNICATIONS ELEVATION DETAILS
T505	SECURITY SYSTEMS DIAGRAMS
TN10	TELECOMMUNICATIONS PLAN, FIRST FLOOR
TN20	TELECOMMUNICATIONS PLAN, SECOND FLOOR
TA10	ACCESS CONTROL AND SECURITY, FIRST FLOOR
TA20	ACCESS CONTROL AND SECURITY, SECOND FLOOR
TV10	CCTV SYSTEM, FIRST FLOOR
TV20	CCTV SYSTEM, SECOND FLOOR
TM10	INTRUSION ALARM SYSTEM, FIRST FLOOR
TM20	INTRUSION ALARM SYSTEM, SECOND FLOOR

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PROVINCE OF MANITOBA
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REGISTERED ARCHITECT

	22/05/12	ISSUED FOR CONSTRUCTION
	22/04/29	ISSUED FOR PRE TENDER REVIEW
	21/03/26	ISSUED FOR CLIENT REVIEW (100%)
	21/01/25	ISSUED FOR CLASS A ESTIMATE
00	20/03/11	ISSUED FOR OWNER REVIEW
	19/12/06	ISSUED FOR OWNER REVIEW
	19/11/19	ISSUED FOR CLASS C ESTIMATE
REV	DATE	DESCRIPTION

CLIENT

CITY OF IQALUIT
OPERATIONS CENTRE

1549 FEDERAL ROAD
IQALUIT, NUNAVUT
X0A 0H0

CLIENT PROJECT NO. 820837

TITLE:
COVER SHEET

SCALE: NTS
PROJECT NUMBER: 2019.00800
DRAWN BY: KM

G001

GENERAL NOTES:

- DRAWINGS ARE NOT TO BE SCALED.
- ALL DIMENSIONS ARE MEASURED IN METRIC
- THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL LEVELS, DATA AND DIMENSIONS PRIOR TO COMMENCEMENT OF WORK AND SHALL REPORT ANY DISCREPANCIES AND OMISSIONS.
- REFER TO MECHANICAL DRAWINGS FOR SIZES AND LOCATIONS OF DRAINS, STANDPIPES, INTAKE AND EXHAUST LOUVERS, GRILLES, SMOKE AND FIRE DAMPERS AND ALL RELATED MECHANICAL EQUIPMENT.
- SEAL AROUND ALL PENETRATIONS THROUGH ROOF.
- ALL ROOF PENETRATIONS AND SUPPORTS (POSTS, STUDS, RAILS AND OPENINGS) FROM EITHER ARCHITECTURAL, MECHANICAL OR ELECTRICAL DEVICES TO BE CONSTRUCTED WITH MIN. 200mm HIGH PEDESTALS OR PERIMETER CURBS. INSTALL METAL FLASHING OVER CURBS AND SLEEVES AROUND POST.
- STUD WALLS ARE DIMENSIONED TO FACE OF WALL FINISH UNLESS NOTED OTHERWISE.
- FOR CONCRETE WALLS, DIMENSIONS ARE TO THE FACE OF CONCRETE
- FOR CRITICAL CLEARANCE DIMENSIONS AT STUD WALLS, DIMENSIONS ARE TO FACE OF GYPSUM BOARD & DIMENSION MARKED CLEAR OR CL.
- FOR DIMENSIONS OF CONCRETE FOUNDATION WALLS, COLUMNS, & SHEAR WALLS, REFER TO STRUCTURAL DRAWINGS.
- PROVIDE FIRESTOPPING AND SMOKE SEALING AT TOP OF ALL FIRE RATED WALLS
- OUTSIDE EDGES OF DOOR FRAMES ARE LOCATED 100mm FROM ADJACENT FINISHED WALL UNLESS NOTED OTHERWISE
- FIRESTOP AROUND ALL MECHANICAL, ELECTRICAL & STRUCTURAL PENETRATIONS THROUGH FLOOR ASSEMBLIES & THROUGH FIRE RATED WALLS
- STUD WALLS EXTENDING TO U/S OF SLAB, FLOOR SHEATHING AND/OR FLOOR DECKING ABOVE ARE TO BE THE FULL WALL ASSEMBLY - STUDS, INSULATION, CHANNELS, VAPOUR BARRIER, GYPSUM BOARD, ETC. AREA
- ALL FIRE-RATED AND NON-RATED FIRE SEPARATION WALL ASSEMBLIES ARE TO EXTEND TO UNDERSIDE OF FLOOR AND/OR ROOF DECKING ABOVE.
- ALL WALLS TO UNDERSIDE OF SLAB OR DECK ABOVE ARE TO HAVE SEALANT ALL AROUND PERIMETER OF WALLS BOTH SIDES AND AROUND ELECTRICAL BOXES AND ALL LINES PENETRATING WALLS
- WALL TYPE ENCLOSING OPENING (IE: DOORS, WINDOWS) ON SIDES TO BE THE SAME WALL TYPE ABOVE & BELOW OPENING UNLESS OTHERWISE NOTED.
- REFER TO REFLECTED CEILING PLANS FOR LOCATION OF BULKHEADS AT CHANGE IN CEILING ELEVATION.
- SUPPLY & INSTALL SOLID BLOCKING IN WALLS AS REQUIRED FOR THE FOLLOWING, BUT NOT LIMITED TO:
 - WALL MOUNTED EQUIPMENT, FIXTURES & MILLWORK.
- ALL FURNITURE, FIXTURES & EQUIPMENT ARE NOT IN CONTRACT UNLESS NOTED OTHERWISE.

BUILDING CODE SUMMARY

APPLICABLE BUILDING CODES:
NATIONAL BUILDING CODE 2015

SECTION 3.1 - GENERAL

MAJOR OCCUPANCY CLASSIFICATIONS: GROUP F3 - WAREHOUSE
GROUP D - OFFICE
GROSS BUILDING AREA: 1,388 SM (14,617 SF) *BUILDING AREA CALCULATED
BUILDING HEIGHT: AT SECOND FLOOR LEVEL (MAX. FOOTPRINT), 2 STOREYS
NUMBER OF STREETS: FACING 3 STREETS
*EXISTING ACCESS ROUTE AROUND BUILDING FOOTPRINT TO BE MAINTAINED.

FIRE PROTECTION: SPRINKLERED
FIREWALL: NOT REQUIRED
DESIGN OCCUPANT LOAD: MAIN FLOOR OCCUPANT LOAD
OFFICE: 9.3 SM / PERSON
450 SM / 9.3 = 48 PERSONS PERMITTED
WAREHOUSE: 28 SM / PERSON
165 SM / 28 = 6 PERSONS PERMITTED
STORAGE SPACES: 46 SM / PERSON
600 SM / 46 = 13 PERSONS PERMITTED
WORKSHOP: 4.6 SM / PERSON
38 SM / 4.6 = 8 PERSONS PERMITTED
MAIN FLOOR TOTAL = 75 PERSONS PERMITTED

SECOND FLOOR OCCUPANT LOAD
OFFICE: 9.3 SM / PERSON
450 SM / 9.3 = 48 PERSONS PERMITTED
SECOND FLOOR TOTAL = 48 PERSONS

PERMITTED

SECTION 3.2 - BUILDING FIRE SAFETY

CONSTRUCTION CLASSIFICATION: 3.2.2.86. GROUP F, DIV. 3, UP TO 2 STOREYS, SPRINKLERED
PERMITTED BUILDING AREA: 2,400 SM IF 2 STOREYS
CONSTRUCTION TYPE: COMBUSTIBLE / NON-COMBUSTIBLE
FLOOR RATING: FIRE SEPARATIONS AND 45 MINUTE FRR IF COMB.
LOAD BEARING MEMBERS: AS PER FLOOR ASSEMBLY OR BE NON-COMB.

CONSTRUCTION CLASSIFICATION: 3.2.2.63. GROUP D, UP TO 2 STOREYS, SPRINKLERED
PERMITTED BUILDING AREA: 2,400 SM IF 2 STOREYS
CONSTRUCTION TYPE: COMBUSTIBLE / NON-COMBUSTIBLE
FLOOR RATING: FIRE SEPARATIONS AND 45 MINUTE FRR IF COMB.
LOAD BEARING MEMBERS: AS PER FLOOR ASSEMBLY OR BE NON-COMB.

SECTION 3.3 - SPATIAL SEPARATION

NORTH WALL (STORAGE GARAGE)
LIMITING DISTANCE: 4 METRES
EXPOSING BUILDING FACE: 35.9M x VARIES = 334 SM (OPENINGS: 72.8 SM)
ALLOWABLE UNPROTECTED OPENINGS: 30%
PROPOSED UNPROTECTED OPENINGS: 22% (<30%)
FIRE-RESISTANCE RATING: 45 MIN.
CONSTRUCTION: COMBUSTIBLE / NON-COMBUSTIBLE
CLADDING: NON-COMBUSTIBLE

NORTH WALL (OFFICE)
LIMITING DISTANCE: 4 METRES
EXPOSING BUILDING FACE: 26.4M x VARIES = 245.5 SM (OPENINGS: 2.2 SM)
ALLOWABLE UNPROTECTED OPENINGS: 30%
PROPOSED UNPROTECTED OPENINGS: 0.0% (<30%)
FIRE-RESISTANCE RATING: 45 MIN.
CONSTRUCTION: COMBUSTIBLE / NON-COMBUSTIBLE
CLADDING: NON-COMBUSTIBLE

SOUTH WALL (EXISTING BUILDING)
LIMITING DISTANCE: 1.5 METRES
EXPOSING BUILDING FACE: 29.9M x 7.2M = 206 SM (OPENINGS: 0 SM)
ALLOWABLE UNPROTECTED OPENINGS: 4%
PROPOSED UNPROTECTED OPENINGS: 0% (<4%)

FIRE-RESISTANCE RATING:

CONSTRUCTION: 1 HR
CLADDING: NON-COMBUSTIBLE
NON-COMBUSTIBLE

EAST WALL

LIMITING DISTANCE: 60 METRES
EXPOSING BUILDING FACE: 203 SM (OPENINGS: 16.3 SM)
ALLOWABLE UNPROTECTED OPENINGS: 100%
PROPOSED UNPROTECTED OPENINGS: 8%
FIRE-RESISTANCE RATING: 0 HR
CONSTRUCTION: COMBUSTIBLE / NON-COMBUSTIBLE
CLADDING: COMBUSTIBLE / NON-COMBUSTIBLE

SOUTH WALL
LIMITING DISTANCE: 27 METRES
EXPOSING BUILDING FACE: 60.5M x 8.1M = 490 SM (OPENINGS: 120.65 SM)
ALLOWABLE UNPROTECTED OPENINGS: 100%
PROPOSED UNPROTECTED OPENINGS: 25%
FIRE-RESISTANCE RATING: 0 HR
CONSTRUCTION: COMBUSTIBLE / NON-COMBUSTIBLE
CLADDING: COMBUSTIBLE / NON-COMBUSTIBLE

WEST WALL

LIMITING DISTANCE: 40 METRES
EXPOSING BUILDING FACE: 203 SM (OPENINGS: 57.4 SM)
ALLOWABLE UNPROTECTED OPENINGS: 100%
PROPOSED UNPROTECTED OPENINGS: 28%
FIRE-RESISTANCE RATING: 0 HR
CONSTRUCTION: COMBUSTIBLE / NON-COMBUSTIBLE
CLADDING: COMBUSTIBLE / NON-COMBUSTIBLE

SECTION 3.2.4 - FIRE ALARM

FIRE ALARM AND DETECTION SYSTEM: YES
SIGNALS TO FIRE DEPARTMENT: YES

SECTION 3.2.5 - PROVISIONS FOR FIRE FIGHTING

ACCESS ROUTES: YES - EXISTING TO BE MAINTAINED
LOCATION OF HYDRANTS: NEAREST HYDRANT IS 269 M AWAY
WATER SUPPLY: N/A AS BUILDING AREA IS <2,000 SM
SPRINKLER AND STANDPIPE CONNECTIONS: N/A AS BUILDING AREA IS <2,000 SM

SECTION 3.2.7 - EMERGENCY LIGHTING

EMERGENCY LIGHTING IS REQUIRED/PROVIDED: YES

SECTION 3.2.8 - OPENINGS THROUGH FLOOR ASSEMBLIES:

INTERCONNECTED FLOOR SPACE: N/A

SECTION 3.3 - SAFETY WITHIN FLOOR AREAS:

MAJOR OCCUPANCY SEPARATION: NONE
STORAGE GARAGE SEPARATION: 2 HOUR REQUIRED
JANITORS ROOM: 0 HOUR (SPRINKLERED BUILDING)
MECHANICAL ROOM: 1 HOUR
ELECTRICAL ROOM: 1 HOUR
WALKWAY: 45 MINUTE FRR FIRE SEPARATION AT WALKWAY CONNECTIONS TO THE EXISTING AND PROPOSED BUILDING(S)

SECTION 3.4 - EXITS:

EXITS PROVIDED: MAIN FLOOR: 6 EXIT DOORS
SECOND FLOOR: 2 EXIT STAIRS
EXISTING BUILDING EXITS TO REMAIN 40 M (OFFICES)
30 M (STORAGE GARAGE)

MAXIMUM TRAVEL DISTANCE=

EXIT CAPACITY

EXIT STAIR WIDTH: 1,100 MM
EXIT DOOR WIDTH: 900 MM
EXIT STAIR ENCLOSURE: 1 HOUR
EXIT SIGNAGE REQUIRED: YES

SECTION 3.5 - VERTICAL TRANSPORTATION:

VERTICAL PLATFORM LIFT

SECTION 3.6 - VERTICAL SERVICE SPACE:

ELEVATOR PROVIDED: VERTICAL PLATFORM LIFT
ELEVATOR SHAFT SEPARATION: 1 HOUR
ELEVATOR MACHINE ROOM SEPARATION: 1 HOUR

SECTION 3.7 - WASHROOMS:

MAIN FLOOR: 75 PERSONS OCCUPANT LOAD = 38 PERSONS FOR EACH SEX
REQUIRED: 2 WATER CLOSETS FOR EACH SEX = 4 W/Cs TOTAL (MAIN FLOOR)
PROVIDED: 2 WATER CLOSETS FOR EACH SEX = 4 W/Cs TOTAL (MAIN FLOOR)
SECOND FLOOR: 48 PERSONS OCCUPANT LOAD = 23 PERSONS FOR EACH SEX
REQUIRED: 1 WATER CLOSET FOR EACH SEX = 4 W/Cs TOTAL (SECOND FLOOR)
PROVIDED: 2 WATER CLOSETS FOR EACH SEX = 4 W/Cs TOTAL (SECOND FLOOR)

SECTION 3.8 - BARRIER-FREE DESIGN:

BARRIER-FREE ENTRANCE: YES
ENTRANCE DOOR POWER OPERATORS: YES
BARRIER-FREE WASHROOMS ARE PROVIDED: YES
BARRIER-FREE ACCESS TO UPPER FLOORS : YES VIA LIFT

EXTERIOR WALL ASSEMBLIES

TYPE	WALL	HEIGHT	FRR	STC	LB
EW1	EXTERIOR WALL -PRE-FINISHED HORIZONTAL METAL SIDING -22mm AIR SPACE C/W HAT CHANNEL FURRING BARS @ 600mm O/C MAXIMUM VERTICALLY -WATER RESISTIVE AIR BARRIER ON EXTERIOR FACE OF RIGID INSULATION -150mm SEMI-RIGID MINERAL WOOL INSULATION C/W THERMALLY BROKEN WALL TIES TO TIE HAT CHANNEL BACK TO WALL FRAMING -SELF-ADHERED AIR VAPOUR BARRIER MEMBRANE -16mm EXTERIOR GB SHEATHING -PRE-ENGINEERED HORIZONTAL 'Z' GIRTS BETWEEN PRE-ENGINEERED STRUCTURAL COLUMNS / POSTS -PRE-ENGINEERED STEEL STUD @ MAX. 406mm O/C - STEEL STUDS TO INFILL BETWEEN HORIZONTAL 'Z' GIRTS -PRE-FINISHED METAL SIDING LINER PANEL IN SHOP / WAREHOUSE AREA -16mm GYPSUM BOARD IN OFFICE AREA (PAINT) ON 92mm STEEL STUDS @ 400mm o/c. NOTES: <ul style="list-style-type: none">REFER TO ROOM FINISH SCHEDULE FOR LOCATIONS OF GYPSUM BOARD.REFER TO EXTERIOR ELEVATIONS FOR SIDING ORIENTATION.	TO U/S STRUCT	-	-	N
EW2	EXTERIOR WALL -STANDING SEAM VERTICAL WALL PANELS TO ALIGN WITH STANDING SEAM ROOF PANELS -22mm AIR SPACE C/W HAT CHANNEL FURRING BARS @ 600mm O/C MAXIMUM HORIZONTALLY -WATER RESISTIVE AIR BARRIER ON EXTERIOR FACE OF RIGID INSULATION -150mm SEMI-RIGID MINERAL WOOL INSULATION C/W THERMALLY BROKEN WALL TIES TO TIE HAT CHANNEL BACK TO WALL FRAMING -SELF-ADHERED AIR VAPOUR BARRIER MEMBRANE -16mm EXTERIOR GB SHEATHING -PRE-ENGINEERED HORIZONTAL 'Z' GIRTS BETWEEN PRE-ENGINEERED STRUCTURAL COLUMNS / POSTS -PRE-ENGINEERED STEEL STUD @ MAX. 406mm O/C - STEEL STUDS TO INFILL BETWEEN HORIZONTAL 'Z' GIRTS -PRE-FINISHED METAL SIDING LINER PANEL IN SHOP / WAREHOUSE AREA -16mm GYPSUM BOARD IN OFFICE AREA (PAINT) ON 92mm STEEL STUDS @ 400mm o/c. NOTES: <ul style="list-style-type: none">REFER TO ROOM FINISH SCHEDULE FOR LOCATIONS OF GYPSUM BOARD.REFER TO EXTERIOR ELEVATIONS FOR SIDING ORIENTATION.	TO U/S STRUCT	-	-	
EW3	WALKWAY WALL (Exterior to Interior) -VERTICAL METAL PANELS -22mm AIR SPACE C/W HAT CHANNEL FURRING BARS @ 600mm O/C MAXIMUM HORIZONTALLY -WATER RESISTIVE AIR BARRIER ON EXTERIOR FACE OF RIGID INSULATION -200mm SEMI-RIGID MINERAL WOOL INSULATION C/W THERMALLY BROKEN WALL TIES TO TIE HAT CHANNEL BACK TO WALL FRAMING -SELF-ADHERED AIR VAPOUR BARRIER MEMBRANE -2 LAYERS 6mm GYPSUM BOARD WITH STAGGERED JOINTS TO FOLLOW CURVE OF WALKWAY -INTERIOR VERTICAL RIBBED METAL LINER PANEL SECURED TO CONTINUOUS STEEL FRAMING. CURVED PANELS TO MATCH RADIUS OF STEEL FRAMING.	TO U/S STRUCT			

INTERIOR PARTITIONS

*Refer to Drawings A-151 & A-152 for required fire ratings.

TYPE	WALL	HEIGHT	FRR	STC	LB
S1	92mm INTERIOR PARTITION - TYPICAL -16mm TYPE 'X' GYPSUM BOARD -92mm STEEL STUD @ 400mm O/C -16mm TYPE 'X' GYPSUM BOARD NOTE: ALL WALLS ARE TO BE S1 U.N.O.	100mm ABOVE CEILING	-	-	N
S1R	92mm INTERIOR PARTITION - RATED -16mm TYPE 'X' GYPSUM BOARD -92mm STEEL STUD @ 400mm O/C -89mm MINERAL WOOL BATT INSULATION (2.8 KG / M2 DENSITY) -16mm TYPE 'X' GYPSUM BOARD	TO U/S DECKING	1 HR - NBC REF. S48	47	N
S1A	92mm INTERIOR PARTITION - ACOUSTIC -16mm TYPE 'X' GYPSUM BOARD -92mm STEEL STUD @ 600mm O/C -89mm MINERAL WOOL BATT INSULATION -2 LAYERS OF 16mm TYPE 'X' GYPSUM BOARD WALL SYMBOL LOCATED ON SIDE OF PARTITION WITH DOUBLE GYPSUM BOARD	TO U/S DECKING	1 HR - NBC REF. S5a	53	N
S2	152mm INTERIOR PARTITION -16mm TYPE 'X' GYPSUM BOARD -152mm STEEL STUD @ 400mm O/C -16mm TYPE 'X' GYPSUM BOARD	100mm ABOVE CEILING	-	-	N
S2R	152mm INTERIOR PARTITION - RATED -16mm TYPE 'X' GYPSUM BOARD -152mm STEEL STUD @ 400mm O/C -150mm MINERAL WOOL BATT INSULATION (4.8 KG / M2 DENSITY) -16mm TYPE 'X' GYPSUM BOARD	TO U/S DECKING	1 HR - NBC REF. S7a	51	N
S2A	152mm INTERIOR PARTITION - ACOUSTIC -16mm TYPE 'X' GYPSUM BOARD -152mm STEEL STUD @ 400MM O/C -150mm MINERAL WOOL BATT INSULATION -2 LAYERS OF 16mm TYPE 'X' GYPSUM BOARD WALL SYMBOL LOCATED ON SIDE OF PARTITION WITH DOUBLE GYPSUM BOARD	TO U/S DECKING	1 HR - NBC REF. S8a	55	N
S3	92 mm 2 HOUR RATED PARTITION -2 LAYERS OF 16mm TYPE 'X' GYPSUM BOARD -92mm STEEL STUD @ 400mm O/C -89mm MINERAL WOOL BATT INSULATION -2 LAYERS OF 16mm TYPE 'X' GYPSUM BOARD	TO U/S DECKING	2 HR - NBC REF. S8a	56	N
S4R	140mm 1 HOUR RATED PARTITION -16mm TYPE 'X' GYPSUM BOARD -140mm STEEL STUD @ 400mm O/C -140mm MINERAL WOOL BATT INSULATION -16mm TYPE 'X' GYPSUM BOARD	TO U/S DECKING	1 HR - NBC REF. S7a sim.	51 sim.	N
S5	PLUMBING WALL -16mm TYPE 'X' GYPSUM BOARD -2 ROWS OF 92mm STEEL STUDS @ 400mm O/C STAGGERED ON 203mm COMMON WALL PLATE/TRACK -89mm MINERAL WOOL BATT INSULATION ON BOTH SIDES OF WALL -16mm TYPE 'X' GYPSUM BOARD	TO U/S DECKING	-	55 sim.	N
S10	FURRING WALL -92mm STEEL STUD @ 400mm O/C -16mm TYPE 'X' GYPSUM BOARD	100mm ABOVE CEILING	-	-	N
S11	RATED FURRING WALL -92mm STEEL STUD @ 400mm O/C -16mm TYPE 'X' GYPSUM BOARD	TO U/S DECKING	1 HR - NBC REF. M2	-	N

'A' DENOTES AN ACOUSTIC ASSEMBLY REQUIRING THE FOLLOWING: ACOUSTIC BATT INSULATION IN WALL CAVITY AS INDICATED, ASSEMBLY TO BE CONSTRUCTED FROM T/O FLOOR TO U/S FLOOR/ROOF DECK, ACOUSTIC FLUTE ENCLOSURE (BOTH SIDES OF WALL) TO SEAL OFF AIR SPACE BETWEEN DECK PROFILE AND T/O WALL, AND TWO CONTINUOUS BEADS OF ACOUSTIC SEALANT TO BE PROVIDED ALONG TOP AND BOTTOM OF WALL. REFER ALSO TO SPEC.

'R' DENOTES A FIRE SEPARATION ASSEMBLY THAT REQUIRES A FIRE RESISTANCE RATING (FRR), RATED ASSEMBLIES REQUIRE MINERAL WOOL BATT INSULATION AS INDICATED. ALL FIRE SEPARATIONS ARE TO BE CONSTRUCTED FROM T/O FLOOR TO U/S FLOOR/ROOF DECK w/ ALL JOINTS TAPED/FINISHED ABOVE AND BELOW CEILING HEIGHT. PROVIDE FIRESTOPPING AND SMOKE SEALANT AT TOP AND BOTTOM OF ALL FIRE RATED WALLS WITH A ULC LISTED SYSTEM.

FLOOR ASSEMBLIES

TYPE	FLOOR	FRR	STC	IIC
F1	MAIN FLOOR ASSEMBLY -FINISH AS PER SPECIFICATION -REINFORCED CONCRETE SLAB - REFER TO STRUCTURAL -900mm NON-FROST SUSCEPTIBLE GRANULAR FILL -UNDER SLAB VAPOUR BARRIER -200mm RIGID INSULATION -PREPARED NON-FROST SUSCEPTIBLE GRANULAR FILL BASE (EXTENDING MINIMUM 200mm BEYOND BUILDING FOOTPRINT) - REFER TO STRUCTURAL C/W -PRE-ENGINEERED THERMOSYPHON SYSTEM	-	-	-
F2	SECOND FLOOR ASSEMBLY -FINISH AS PER SPECIFICATIONS -100mm CONCRETE TOPPING - REFER TO STRUCTURAL -75mm DEEP STEEL DECKING - REFER TO STRUCTURAL -750mm DEEP JOISTS @ 1360mm O/C MAX. - REFER TO STRUCTURAL -1 HOUR SPRAY ON FIREPROOFING. -SUSPENDED ACT AND GB CEILING FINISH - REFER TO REFLECTED CEILING PLANS FOR VARYING FINISHES	1 HOUR NBC REF. M2	55 NBC REF. F28d	48

ROOF ASSEMBLIES

TYPE	ROOF	FRR	STC	IIC
R1	ROOF ASSEMBLY - TYPICAL -PRE-FINISHED STANDING SEAM STEEL ROOFING C/W STANDING SEAM THERMALLY BROKEN CLIPS -WATER RESISTIVE AIR BARRIER -250mm SEMI-RIGID MINERAL WOOL INSULATION -PRE-ENGINEERED HAT CHANNEL SECURED TO PRE-ENGINEERED THERMALLY BROKEN HAT CLIP -SELF-ADHERED AIR VAPOUR BARRIER MEMBRANE -16mm EXTERIOR GB SHEATHING -PRE-ENGINEERED STEEL DECKING - REFER TO STRUCT. -PRE-ENGINEERED STEEL PURLINS -PRE-ENGINEERED STEEL STRUCTURE	-	-	-
R2	UPPER CANOPY ROOF -MODIFIED BITUMEN CAP SHEET MEMBRANE -13mm MODIFIED BITUMEN BASE SHEET MEMBRANE LAMINATED ON A HD POLYISOCYANURATE BOARD -13mm EXTERIOR GRADEPLYWOOD DECKING -90mm DEEP ROOF PURLINS (GAUGE & SPACING BY STRUCTURAL) -102mm DEEP CHANNEL OUTRIGGERS CENTRED ON ROOF PURLINS BELOW -92mm STEEL STUD ANGLED FRAMING TO FACE OF EXTERIOR GYPSUM BOARD SHEATHING -HAT CHANNELS @400mm O/C TO UNDERSIDE ANGLED STEEL STUD FRAMING. REFER TO SPECIFICATIONS -FLAT PANEL SOFFIT C/W ALL CLIPS, TRIMS & FASTENERS	-	-	-
R3	ENTRANCE CANOPY ROOF -PRE-FINISHED STANDING SEAM STEEL ROOFING C/W STANDING SEAM THERMALLY BROKEN CLIPS -WATER RESISTIVE AIR BARRIER -19mm PLYWOOD DECKING -ROOF GIRTS INSTALLED TO PROVIDE 50mm SLOPE FOR STANDING SEAM ROOF. -STRUCTURAL STEEL FRAMING SECURED BACK TO 2ND FLOOR BEAM ON GRD LINE "1". SPACING TO BE CONFIRMED BY STRUCTURAL -SOFFIT GIRTS SPACED BY STRUCTURAL -FLAT PANEL SOFFIT C/W ALL CLIPS, TRIMS & FASTENERS	-	-	-

ABBREVIATIONS:

ACT	ACOUSTIC CEILING TILE	N/A	NOT APPLICABLE
ADJ	ADJUSTABLE	NBC	NATIONAL BUILDING CODE
AFF	ABOVE FINISHED FLOOR	NIC	NOT IN CONTRACT
ALUM	ALUMINUM	NO	NUMBER
ARCH	ARCHITECTURAL	O/C	ON CENTRE
AV	AIR VAPOUR	OD	OUTSIDE DIAMETER
BD	BOARD	OF	OUTSIDE FACE
BLKG	BLOCKING	OPP	OPPOSITE
BOT	BOTTOM	OSB	ORIENTED STRAND BOARD
CB	CONCRETE BLOCK	OWSD	OPEN WEB STEEL JOIST
CH	CONCRETE HARDENER	OYHD	OVERHEAD
CIP	CAST-IN-PLACE	PL	PLATE
CJ	CONTROL JOINT	P. LAM.	PLASTIC LAMINATE
CL	CLEAR	PLYWOOD	PLYWOOD
CMU	CONCRETE MASONRY UNIT	PREFIN	PREFINISHED
CONC	CONCRETE	PSF	PRESSED STEEL FRAME
CONT	CONTINUOUS	PTD	PAINTED
CPT	CARPET	P. TILE	PORCELAIN TILE
CS	CONCRETE SEALER	PT	PRESSURE TREATED
CT	CERAMIC TILE	RB	RUBBER BASE
C/W	COMPLETE WITH	RD	ROOF DRAIN
DIAG	DIAGONAL	REF	REFERENCE
DIAM	DIAMETER	REINF	REINFORCED
DN	DOWN	REQ	REQUIRED
DWG	DRAWING	REV	REVERSED
ELECT	ELECTRICAL	RF	RESILIENT FLOORING
ELEV	ELEVATION	RH	ROBE HOOK
EQ	EQUAL	RO	ROUGH OPENING
EXIST	EXISTING	R/W	REINFORCED WITH
EXT	EXTERIOR	RWL	RAIN WATER LEADER
F0	FLOOR DRAIN	SECT	SECTION
FDN	FOUNDATION	SF	SQUARE FEET
FE	FIRE EXTINGUISHER	SHGT	SHEATHING
FEC	FIRE EXTINGUISHER CABINET	SIM	SIMILAR
FH	FIRE HYDRANT	SL	SLOPE
FIN	FINISHED	S/S	STAINLESS STEEL
FLR	FLOOR	STD	STANDARD
F/O	FACE OF	STL	STEEL
FRP	FIBREGLASS REINFORCED PANEL	STRUCT	STRUCTURAL
FRR	FIRE RESISTANCE RATED	SVF	SHEET VINYL FLOOR
GALV	GALVANIZED	T	THERMOSTAT
GB	GYPSUM BOARD	T & B	TOP & BOTTOM
GL	GLAZING	T/O	TOP OF
HMI	HOLLOW METAL	TYP	TYPICAL
HP	HIGH POINT	UC	UNDER COUNTER
HT	HEIGHT	U/S	UNDERSIDE
ID	INSIDE DIMENSION	UNO	UNLESS NOTED OTHERWISE
IF	INSIDE FACE	VB	VAPOUR BARRIER
INT	INTERIOR	VCT	VINYL COMPOSITE TILE
INSUL	INSULATION	W	WITH
LVT	LOW POINT	WC	WATER CLOSET
LVT	LUXURY VINYL TILE	WD	WOOD
MAT	MATERIAL	WG	WIRE GLASS
MAX	MAXIMUM	WHC	WOOD HOLLOW CORE
MECH	MECHANICAL	WS	WALL SECTION
MIN	MINIMUM	WSC	WOOD SOLID CORE
MIR	MIRROR	WTBD	WHITE BOARD
MTL	METAL		
MW	MINERAL WOOL		
NAAWS	NORTH AMERICAN ARCHITECTURAL WOODWORK STANDARDS		

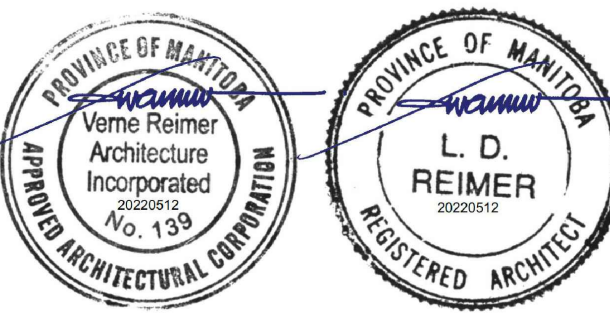


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CONSULTANTS

PERMIT / STAMP



22/05/12	ISSUED FOR CONSTRUCTION
22/04/29	ISSUED FOR PRE TENDER REVIEW
21/03/26	ISSUED FOR CLIENT REVIEW (100%)
21/01/25	ISSUED FOR CLASS A ESTIMATE
00 20/03/11	ISSUED FOR OWNER REVIEW
19/12/06	ISSUED FOR OWNER REVIEW
19/11/19	ISSUED FOR CLASS C ESTIMATE

REV	DATE	DESCRIPTION
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CLIENT

CITY OF IQUALUIT
OPERATIONS CENTRE

1549 FEDERAL ROAD
IQUALUIT, NUNAVUT
X0A 0H0

CLIENT PROJECT NO. 820837

TITLE:
GENERAL NOTES, CODE SUMMARY,
ABBREVIATIONS & ASSEMBLIES

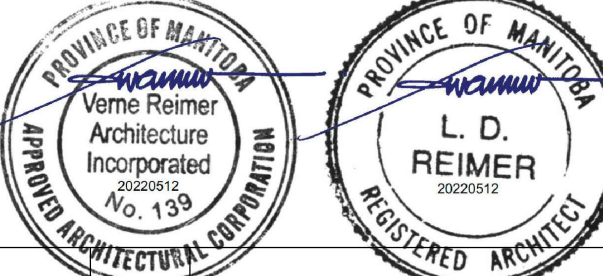
SCALE: NTS
PROJECT NUMBER: 2019.00800
DRAWN BY: KM

G002

NOTES

- GENERAL NOTES:**
REFER TO CIVIC DRAWINGS FOR EXTENTS OF SITE WORK AND GRADING.
- SITE PLAN KEYNOTES:**
- 001 PROPERTY LINE
 - 002 EXISTING CHAIN LINK FENCING AROUND SITE TO REMAIN
 - 003 AUTOMATIC SLIDING GATE. COORDINATE WITH ELECTRICAL.
 - 004 EXISTING EQUIPMENT / CONTAINERS TO REMAIN
 - 005 EXISTING SHIPPING CONTAINERS TO BE RELOCATED BY OWNER
 - 006 NOT USED
 - 007 2700mm x 6100mm DEEP PARKING STALLS UNO - TYPICAL. PARKING LINES ARE SHOWN FOR INFORMATION ONLY.
 - 008 EXISTING MECHANICAL FAN COOLING UNITS FOR BELOW FLOOR COOLING SYSTEM FOR EXISTING BUILDING. CONTRACTOR TO ENSURE PROTECTION OF THESE UNITS FOR DURATION OF WORK.
 - 009 LINE OF PROPOSED BUILDING ROOF
 - 010 LINE OF ENTRANCE CAST-IN-PLACE REINFORCED CONCRETE SIDEWALK. NORTH & SOUTH EDGES OF CONCRETE SIDEWALK TO ALIGN WITH FACE OF CONCRETE GRADE BEAMS ALONG GRIDS "A" & "D".
 - 011 LINE OF ENTRANCE CAST-IN-PLACE REINFORCED CONCRETE SLOPED (5% MAXIMUM) SIDEWALK.
 - 012 BUILDING PERIMETER BELOW ROOF
 - 013 EXISTING FIRE HYDRANT PATH OF TRAVEL / DISTANCE AWAY.
 - 014 REMOVE AND RETAIN EXISTING CHAIN LINK FENCING C/W POSTS - PROVIDE BACK TO OWNER.
 - 015 APPROXIMATE LOCATION OF SITE FENCE TO INDICATE AREA OF WORK. ACTUAL LOCATION & EXTENT TO BE SITE CONFIRMED BETWEEN GENERAL CONTRACTOR & CITY OF IQALUIT.
 - 016 GALVANIZED IRON EXIT STAIR FROM 2ND FLOOR ON CONCRETE PAD AT BASE.
 - 017 SITE TRAILER PARKING AREA (CONTRACTOR TO CONFIRM WITH CITY OF IQALUIT)
 - 018 PRE-FINISHED METAL PARKING FENCE IN FRONT OF ALL PARKING STALLS ON WEST SIDE OF NEW BUILDING & NORTH SIDE OF EXISTING BUILDING.
NOTE: PARKING FENCE POSTS ON WEST ELEVATION SET SURFACE MOUNTED TO CONCRETE SIDEWALK. SEE DETAIL 2/A-100. ON NORTH ELEVATION OF EXISTING BUILDING. PROVIDE 2100mm LONG POSTS SET INTO 300mm Ø CONCRETE SLEEVE. FENCE TO EXTEND 900mm ABOVE GRADE.
 - 019 CAST-IN-PLACE CONCRETE PAD AT ALL EXIT DOOR LOCATIONS (SEE STRUCTURAL)
 - 020 HATCHED AREA INDICATES APPROXIMATE EXTENT OF BELOW GRADE COOLING SYSTEM FOR EXISTING BUILDING. CONTRACTOR TO ENSURE CARE & CAUTION WHEN WORKING IN THIS AREA TO PREVENT ANY DAMAGE TO SYSTEM. LOCALLY SOURCED BOULDERS AT OVERHEAD DOOR LOCATIONS, PARKING STALLS WITHOUT PARKING FENCE & AS INDICATED ON DRAWINGS. CONFIRM ADDITIONAL EXACT LOCATIONS WITH CLIENT ON SITE. BOULDERS TO BE APPROXIMATELY 800 - 900mm IN DIAMETER & 800 - 900mm TALL.
 - 022 THERMOSYPHON MANIFOLD CONCRETE PAD & RADIATORS 2500mm WIDE x 100mm THICK PERIMETER INSULATION AROUND BUILDING
 - 024 NEW WALKWAY BETWEEN EXISTING & NEW BUILDINGS
 - 025 REMOVE EXISTING GRANULAR FILL ON SOUTH SIDE OF EXISTING BUILDING TO 150mm BELOW EXISTING MAIN FLOOR LEVEL.
 - 026 NOT USED
 - 027 PROVIDE DUPLEX RECEPTACLES ALONG NEW PARKING FENCE. REFER TO NOTE 18 FOR FENCE CONSTRUCTION. PROVIDE 1 DUPLEX RECEPTACLES FOR LONG FENCE & 1 DUPLEX RECEPTACLE FOR SHORT FENCE.
 - 028 REFLECTIVE MARKERS FOR PARKING SPACE DELINEATION (REFER TO SPECIFICATIONS). PROVIDE 7 STALLS FOR LONG FENCE & 1 STALL FOR SHORT FENCE AS PER KEYNOTE 027
 - 029 APPROXIMATE LOCATION OF GENERATOR & LOAD BANK. COORDINATE FINAL LOCATION ON SITE. REFER TO STRUCTURAL DRAWINGS FOR DETAILS ON THE GENERATOR CONCRETE PAD
 - 030 GI TUBE BOLLARD 1200mm ABOVE GRADE. CONCRETE FILLED WITH ROUNDED TOP SET INTO CONCRETE FILLED SHAFT. LOCATE APPROXIMATELY AS SHOWN TO SUIT GENERATOR LAYOUT. 9 REQUIRED. MAXIMUM SPACING 2400mm CENTRE TO CENTRE.
*REFER TO CIVIL DRAWINGS.
 - 031 DASHED LINE OF FUTURE EXPANSION
 - 032 APPROXIMATE LOCATION OF SOIL PILES
 - 033 ACCESSIBLE PARKING SPACE - MINIMUM 3700mm WIDTH
 - 034 FUEL TANK. REFER TO MECHANICAL DRAWINGS.
 - 035 AREA DESIGNATED FOR FUTURE SOLAR ARRAY. (NIC)
 - 036 PATH OF TRAVEL FOR LARGE APPARATUS. FOR WAY FINDING SITE SIGNAGE REFER TO CASH ALLOWANCES.

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CLIENT

CITY OF IQALUIT
OPERATIONS CENTRE

1549 FEDERAL ROAD
IQALUIT, NUNAVUT
X0A 0H0

CLIENT PROJECT NO. 820837

TITLE:

SITE PLAN

SCALE: AS INDICATED
PROJECT NUMBER: 2019.00800
DRAWN BY: KM

A100

UNGALLIQPAAT

QAQQAMIUT

FEDERAL ROAD

232 LINEAR METRES

297 LINEAR METRES

ELECTRICAL PARKING OUTLET.
REFER TO DRAWING A200.
COORDINATE WITH ELECTRICAL

127mm X 127mm HSS
PARKING POST
LOCATE AS PER SITE PLAN

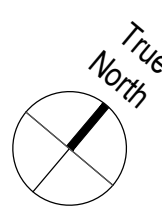
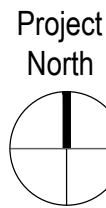
200MM X 150mm X 13mm
BASEPLATE ANCHORED TO
SLAB WITH 4 - 16mm GALV. WITH
ROD THREADED ANCHORS
DRILLED / EPOXIED WITH HILTI
HIT-HY-200.
*EMBED MIN. 150mm

GRANULAR PARKING AREA
REFER TO CIVIL DRAWINGS

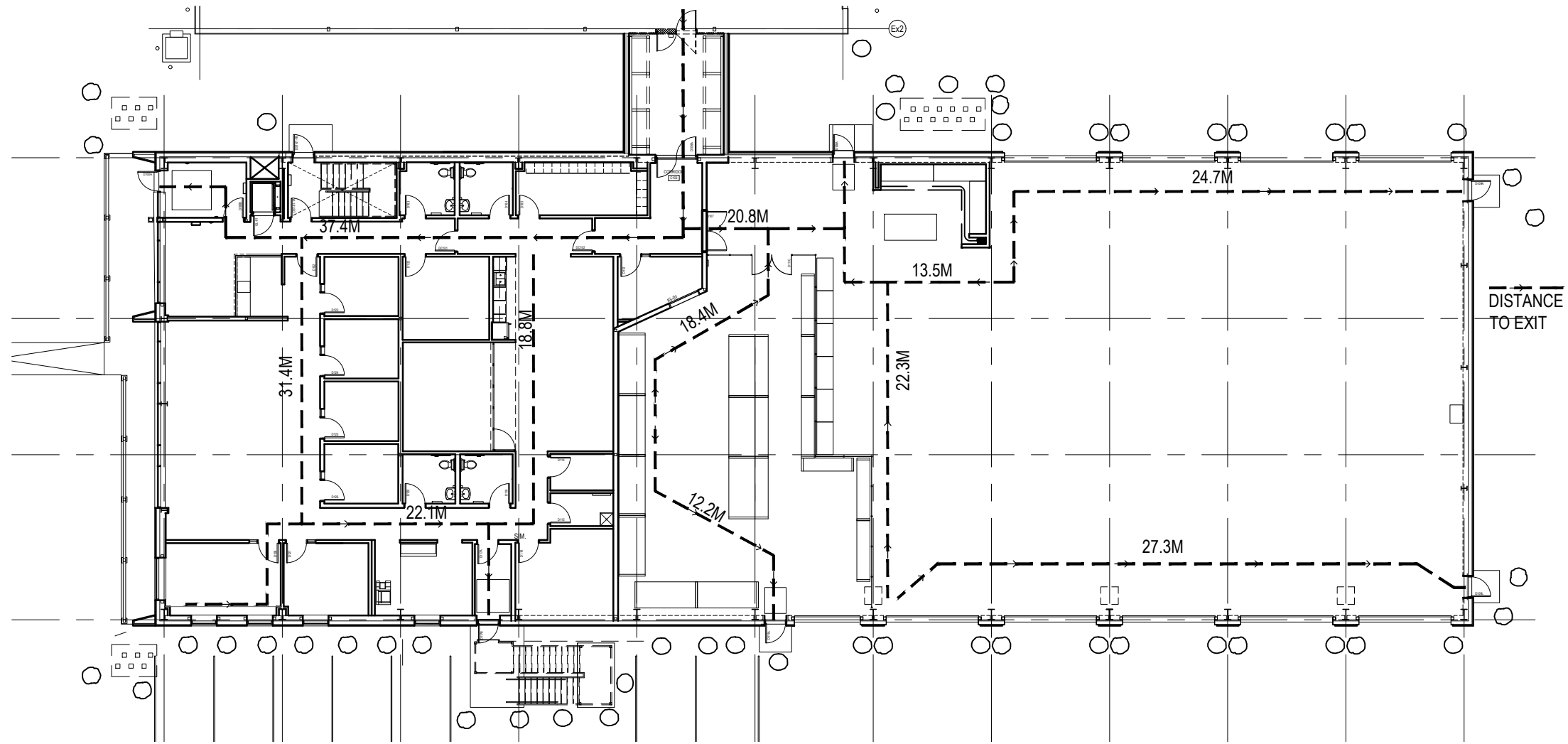
CONT. 127 X 127 HSS RAIL
WELDED TO POSTS
*GRIND ALL WELDS FOR
SMOOTH FINISH - TYPICAL
COORDINATE WITH ELECTRICAL
AND STRUCTURAL

REINFORCED STRUCTURAL
SLAB. REFER TO
STRUCTURAL DRAWINGS

2 PARKING FENCE SECTION
A-100 SCALE: 1: 20



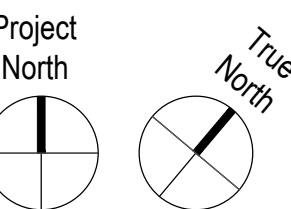
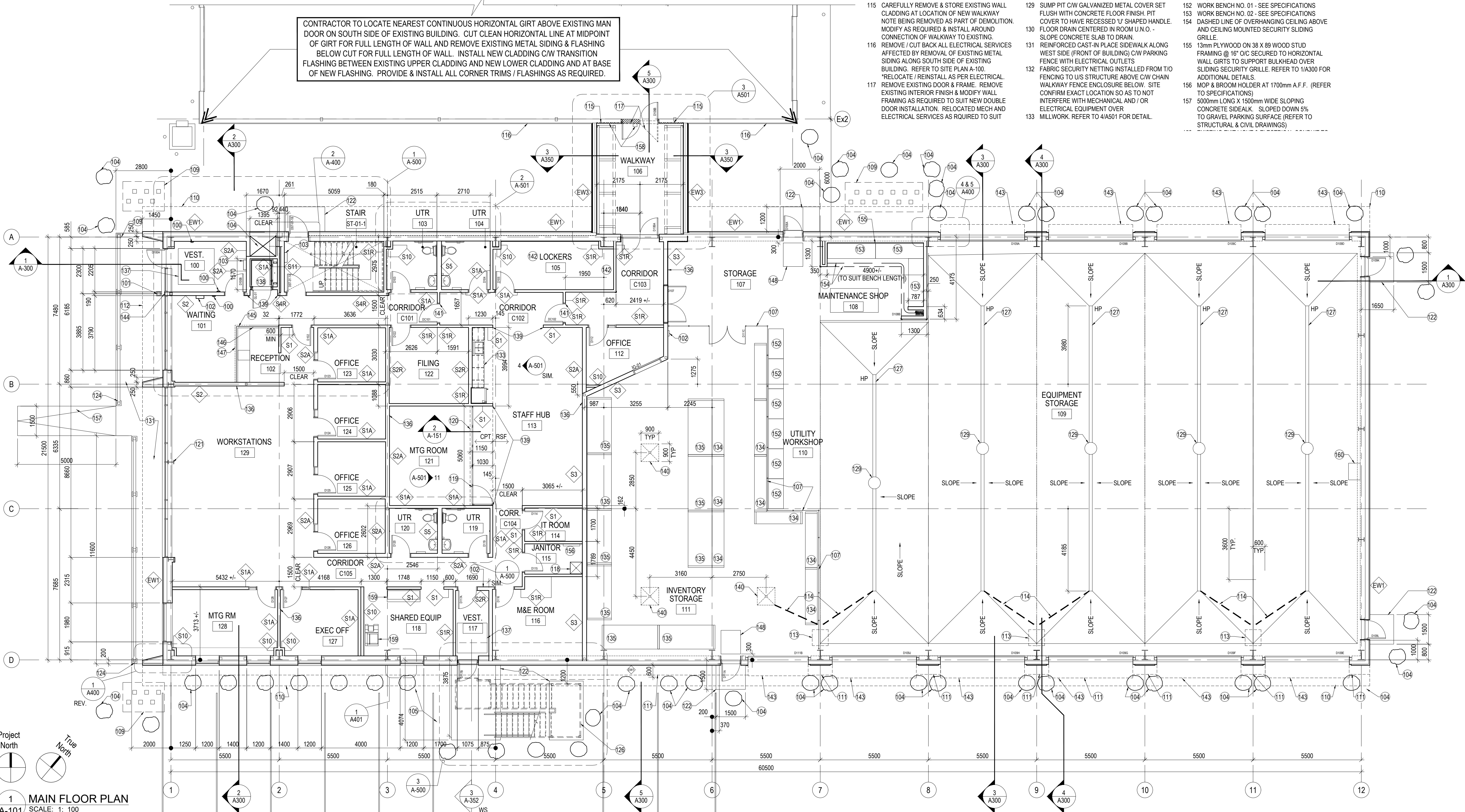
1 SITE PLAN
A-100 SCALE: 1: 300



FOR CONTINUATION OF
EXISTING WAREHOUSE &
ASSOCIATED ALTERATIONS /
RENOVATIONS, REFER TO
DRAWING A-103

2 MAIN FLOOR - LIFE SAFETY PLAN
A-101 SCALE: 1: 250

CONTRACTOR TO LOCATE NEAREST CONTINUOUS HORIZONTAL GIRT ABOVE EXISTING MAN DOOR ON SOUTH SIDE OF EXISTING BUILDING. CUT CLEAN HORIZONTAL LINE AT MIDPOINT OF GIRT FOR FULL LENGTH OF WALL AND REMOVE EXISTING METAL SIDING & FLASHING BELOW CUT FOR FULL LENGTH OF WALL. INSTALL NEW CLADDING C/W TRANSITION FLASHING BETWEEN EXISTING UPPER CLADDING AND NEW LOWER CLADDING AND AT BASE OF NEW FLASHING. PROVIDE & INSTALL ALL CORNER TRIMS / FLASHINGS AS REQUIRED.



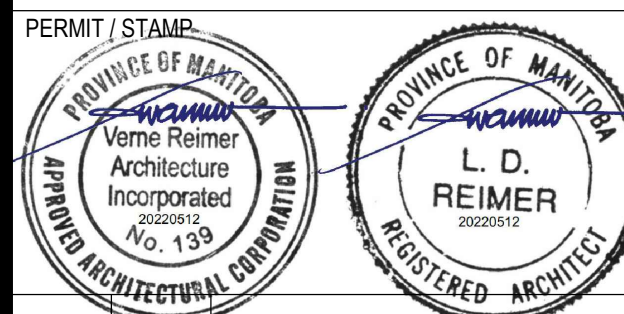
1 MAIN FLOOR PLAN
A-101 SCALE: 1: 100

- FLOOR PLAN KEYNOTES:
- 100 AUTOMATIC DOOR OPERATOR ACTUATOR - MOUNTED 915mm AFF.
 - 101 AUTOMATIC DOOR ACTUATOR AS PART OF DOOR HARDWARE.
 - 102 FIRE EXTINGUISHER IN SEMI-RECESSED FIRE RATED CABINET. ENSURE CONTINUATION OF PARTITION FIRE RATING ALL SIDES OF CABINET. (TYPICAL)
 - 103 RECESSED FORCE FLOW HEATER. REFER TO ELECTRICAL. NOTE: ANNUNCIATOR PANEL MOUNTED ABOVE UNIT IN ROOM 100.
 - 104 LOCALLY SOURCED BOULDERS AT OVERHEAD DOOR LOCATIONS. PARKING STALLS WITHOUT PARKING FENCE & AS INDICATED ON DRAWINGS. CONFIRM ADDITIONAL EXACT LOCATIONS WITH CLIENT ON SITE. BOULDERS TO BE APPROXIMATELY 800 - 900mm IN DIAMETER & 800 - 900mm TALL.
 - 105 NOT USED.
 - 106 NOT USED.
 - 107 3650mm TALL CHAIN WALKWAY FENCING SECURED TO CONCRETE SLAB. FABRIC SECURITY NETTING INSTALLED FROM T/O FENCING TO U/S STRUCTURE ABOVE.
 - 108 1000mm SINGLE OR DOUBLE CHAIN WALKWAY DOORS (AS INDICATED) C/W CROSS BRACING SUPPORT.
 - 109 THERMOSYPHON MANIFOLD CONCRETE PAD & RADIATORS. CONFIRM EXACT LOCATION FROM BUILDING WITH SUPPLIER. 1500mm +/-.
 - 110 SLOPED EXTERIOR WALL OVERHEAD.
 - 111 SOFFIT OVERHEAD.
 - 112 CANOPY OVERHEAD.
 - 113 SLUMP PIT DISPOSAL STORAGE CONTAINER (N.I.C. - BY OWNER)
 - 114 PATH OF 50mm Ø PIPING FROM CORNER OF TRENCH DRAIN TO OPENING IN CONCRETE SLAB TO BE PUMPED INTO DISPOSABLE STORAGE CONTAINER.
 - 115 CAREFULLY REMOVE & STORE EXISTING WALL CLADDING AT LOCATION OF NEW WALKWAY. NOTE BEING REMOVED AS PART OF DEMOLITION. MODIFY AS REQUIRED & INSTALL AROUND CONNECTION OF WALKWAY TO EXISTING.
 - 116 REMOVE / CUT BACK ALL ELECTRICAL SERVICES AFFECTED BY REMOVAL OF EXISTING METAL SIDING ALONG SOUTH SIDE OF EXISTING BUILDING. REFER TO SITE PLAN A-100.
 - 117 *RELOCATE / REINSTALL AS PER ELECTRICAL EXISTING INTERIOR FINISH & MODIFY WALL FRAMING AS REQUIRED TO SUIT NEW DOUBLE DOOR INSTALLATION. RELOCATED MECH AND ELECTRICAL SERVICES AS REQUIRED TO SUIT

- WORK. PATCH & MAKE GOOD.
- 118 MOP SINK C/W STAINLESS STEEL BACKSPLASH ON SIDES FROM T/O SINK UP 900mm C/W STAINLESS STEEL EDGE & TOP CAPS. SEAL TO WALL WITH CLEAR CAULK ON TOP & SIDES.
 - 119 FOLDING GLASS PARTITION. SILL TO BE INSTALLED FLUSH WITH FINISHED FLOORING SURFACE.
 - 120 LINE OF GYPSUM BOARD BULKHEAD OVER APPLY INTUMESCENT PAINT TO ALL EXPOSED STEEL SUPPORTING 2ND FLOOR. 1 HOUR RATING REQUIRED.
 - 122 REINFORCED CAST-IN-PLACE CONCRETE PAD AT EXIT DOORS AND EXTERIOR STAIR.
 - 123 100 x 100 HSS VERTICAL POSTS @ MAX. 2400mm o/c WITH 100 x 100 HSS HORIZONTAL BEAM @ 1065mm A.F.F. VERTICAL POSTS TO HAVE 125mm X 255mm BASE PLATES TO ALLOW 4 - 13mmØ x 100mm ANCHOR BOLTS TO BE SECURED INTO EXISTING CONCRETE SLAB.
 - 124 125 x 125 HSS VERTICAL POSTS @ 2400mm O/C (EQUALLY SPACED) WITH 125 x 125 HSS HORIZONTAL BEAM @ 1065mm ABOVE GRADE. HORIZONTAL SECTIONS ARE TO BE C/W EXTERIOR RECEPTACLES FACING VEHICLES W/ CONDUIT ON BACK SIDE OF SECTION. POSTS COMPLETE WITH STEEL BASEPLATES ANCHORED TO CONCRETE SIDEWALK. REFER TO DRAWING A-100.
 - 125 EXISTING FLOOR TRENCH DRAIN TO BE MAINTAINED. BOLLARD POSTS TO AVOID DRAIN - COORDINATE ON SITE.
 - 126 PRE-ENGINEERED METAL STAIR. REFER TO DRAWING A-500.
 - 127 TRENCH DRAIN CENTERED IN BAY - UO. HIGH POINT TO BE 10" BELOW TOP OF ADJACENT SLAB. SLOPE TRENCH 2%. COORDINATE WITH MECH.
 - 128 METAL ROOF ON CANOPY BELOW OVER FRONT ENTRY WINDOW WALL.
 - 129 SLUMP PIT C/W GALVANIZED METAL COVER SET FLUSH WITH CONCRETE FLOOR FINISH. PIT COVER TO HAVE RECESSED 'U' SHAPED HANDLE.
 - 130 FLOOR DRAIN CENTERED IN ROOM U.N.O. - SLOPE CONCRETE SLAB TO DRAIN.
 - 131 REINFORCED CAST-IN PLACE SIDEWALK ALONG WEST SIDE (FRONT OF BUILDING) C/W PARKING FENCE WITH ELECTRICAL OUTLETS.
 - 132 FABRIC SECURITY NETTING INSTALLED FROM T/O FENCING TO U/S STRUCTURE ABOVE C/W CHAIN WALKWAY FENCE ENCLOSURE BELOW. SITE CONFIRM EXACT LOCATION SO AS TO NOT INTERFERE WITH MECHANICAL AND / OR ELECTRICAL EQUIPMENT OVER.
 - 133 MILLWORK. REFER TO 4/A501 FOR DETAIL.

- 134 RACKING SYSTEM R-1. REFER TO SPECIFICATIONS.
- 135 RACKING SYSTEM R-2. REFER TO SPECIFICATIONS.
- 136 RACKING SYSTEM R-3. REFER TO SPECIFICATIONS.
- 137 RECESSED FOOT GRILLE. NOTE: IN VEST. 100, GRILLE IS 1830mm x 1830mm. IN VEST. 117 & 219, GRILLE IS 1525mm x 1525mm.
- 138 ACCESSIBILITY LIFT AS SPECIFIED. NOTE: PIT RECESSED 75mm BELOW T/O MAIN FLOOR OR AS PER MANUFACTURER'S INSTRUCTIONS.
- 139 ALIGN ADJACENT WALLS.
- 140 FLOOR DRAIN C/W ISOLATED SLOPED FLOOR AREA. SLOPE MINIMUM 2%.
- 141 LOCATE DOOR TO PROVIDE 600mm MINIMUM CLEARANCE BETWEEN EDGE OF DOOR SWING AND ADJACENT WALL.
- 142 EXISTING LOCKERS TO BE RELOCATED AND INSTALLED BY CONTRACTOR.
- 143 LINE OF SOFFIT ABOVE OVERHEAD DOOR OPENING.
- 144 FINISH EXPOSED END WALL WITH ALUMINUM WALL CAP TO MATCH WINDOW FRAMES.
- 145 TEMPERED GLASS FROM T/O DESK TO U/S OF CEILING ABOVE.
- 146 HALF HEIGHT WALL BELOW FLUSH WITH T/O COUNTERTOP SURFACE.
- 147 LINE OF WALL BELOW COUNTERTOP SURFACE.
- 148 1000mm x 1200mm SERRATED METAL GRATE WALK OFF IN 50mm DEEP RECESS. LOOSE FITTING FOR MAINTENANCE.
- 149 NEW WALKWAY BELOW TO EXISTING BUILDING.
- 150 REMOVE FINISH MATERIAL OF EXISTING OPENING TO WALL FRAMING. INFILL WALL FLUSH WITH ADJACENT SURFACES. WALL TYPE AS INDICATED.
- 151 FLOOR OPENINGS FOR MECHANICAL. REFER TO MECHANICAL DRAWINGS.
- 152 WORK BENCH NO. 01 - SEE SPECIFICATIONS.
- 153 WORK BENCH NO. 02 - SEE SPECIFICATIONS.
- 154 DASHED LINE OF OVERHANGING CEILING ABOVE AND CEILING MOUNTED SECURITY SLIDING GRILLE.
- 155 13mm PLYWOOD ON 38 x 89 WOOD STUD FRAMING @ 16" O/C SECURED TO HORIZONTAL WALL GIRTS TO SUPPORT BULKHEAD OVER SLIDING SECURITY GRILLE. REFER TO 1/A300 FOR ADDITIONAL DETAILS.
- 156 MOP & BROOM HOLDER AT 1700mm A.F.F. (REFER TO SPECIFICATIONS)
- 157 5000mm LONG X 1500mm WIDE SLOPING CONCRETE SIDEWALK. SLOPED DOWN 5% TO GRAVEL PARKING SURFACE (REFER TO STRUCTURAL & CIVIL DRAWINGS)

- 158 EXISTING EXIT LIGHT & ELECTRICAL CONDUIT TO BE REMOVED / REWORKED TO SUIT NEW WALKWAY CONNECTION. REFER TO ELECTRICAL.
- 159 EQUIPMENT BY OWNER.
- 160 MECHANICAL PUMPS. REFER TO MECHANICAL DRAWINGS.
- 161 SHAFT AT REAR OF LIFT. REFER TO MECHANICAL FOR VENTING REQUIREMENTS.



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REV	DATE	DESCRIPTION
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CLIENT

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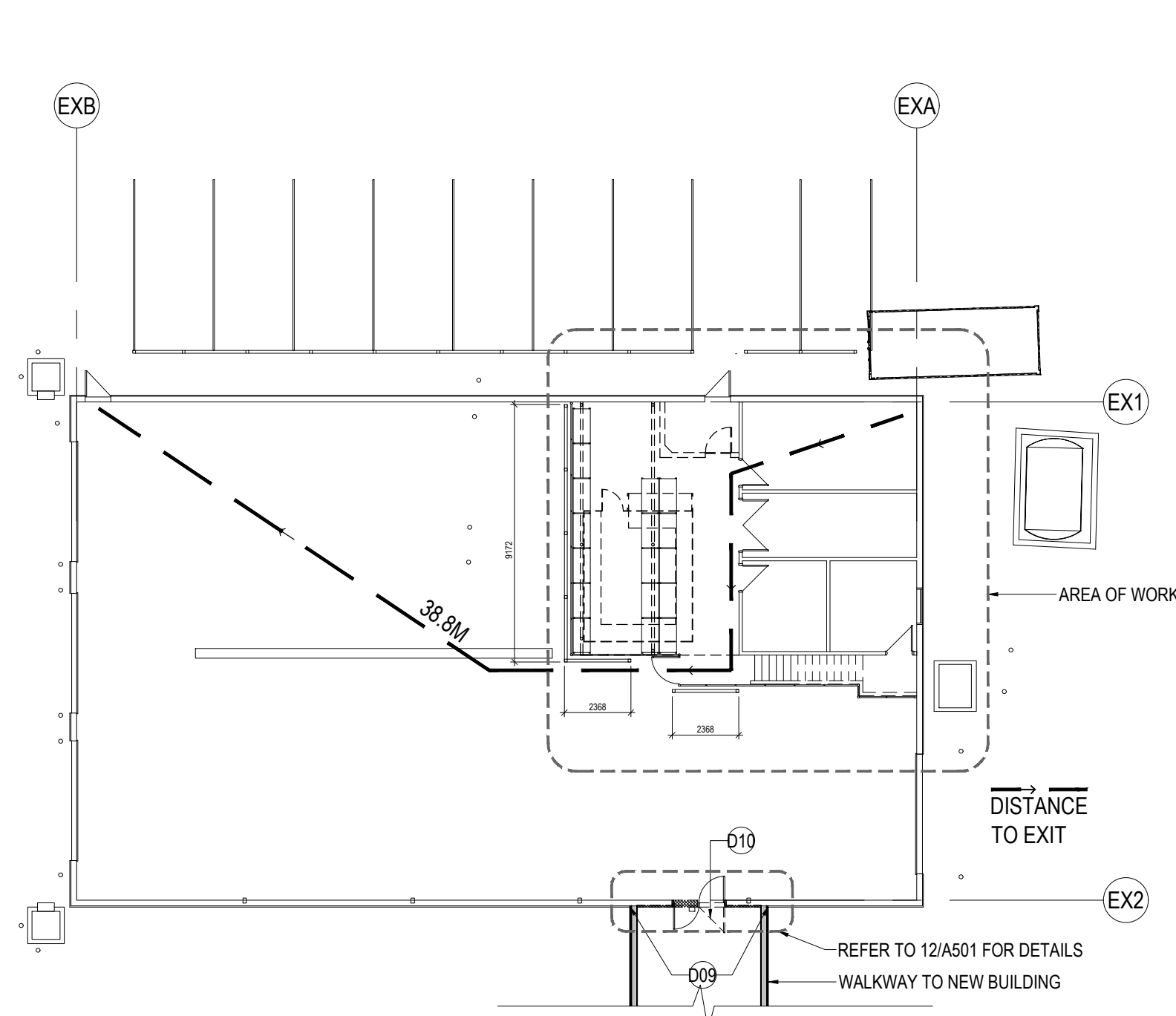
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CLIENT PROJECT NO. 820837

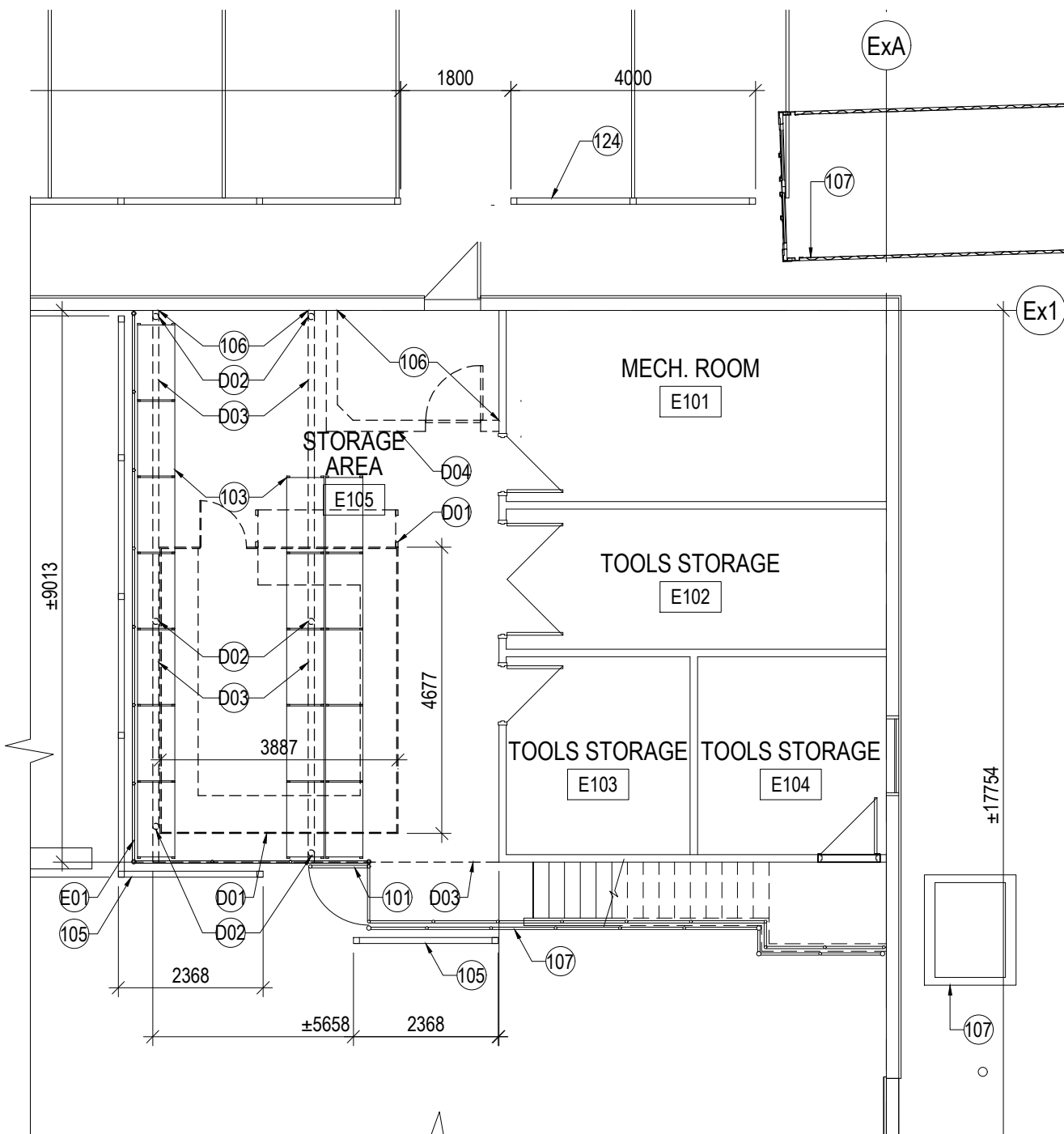
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MAIN FLOOR PLAN

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PROJECT NUMBER: 2019.00800
DRAWN BY: KM

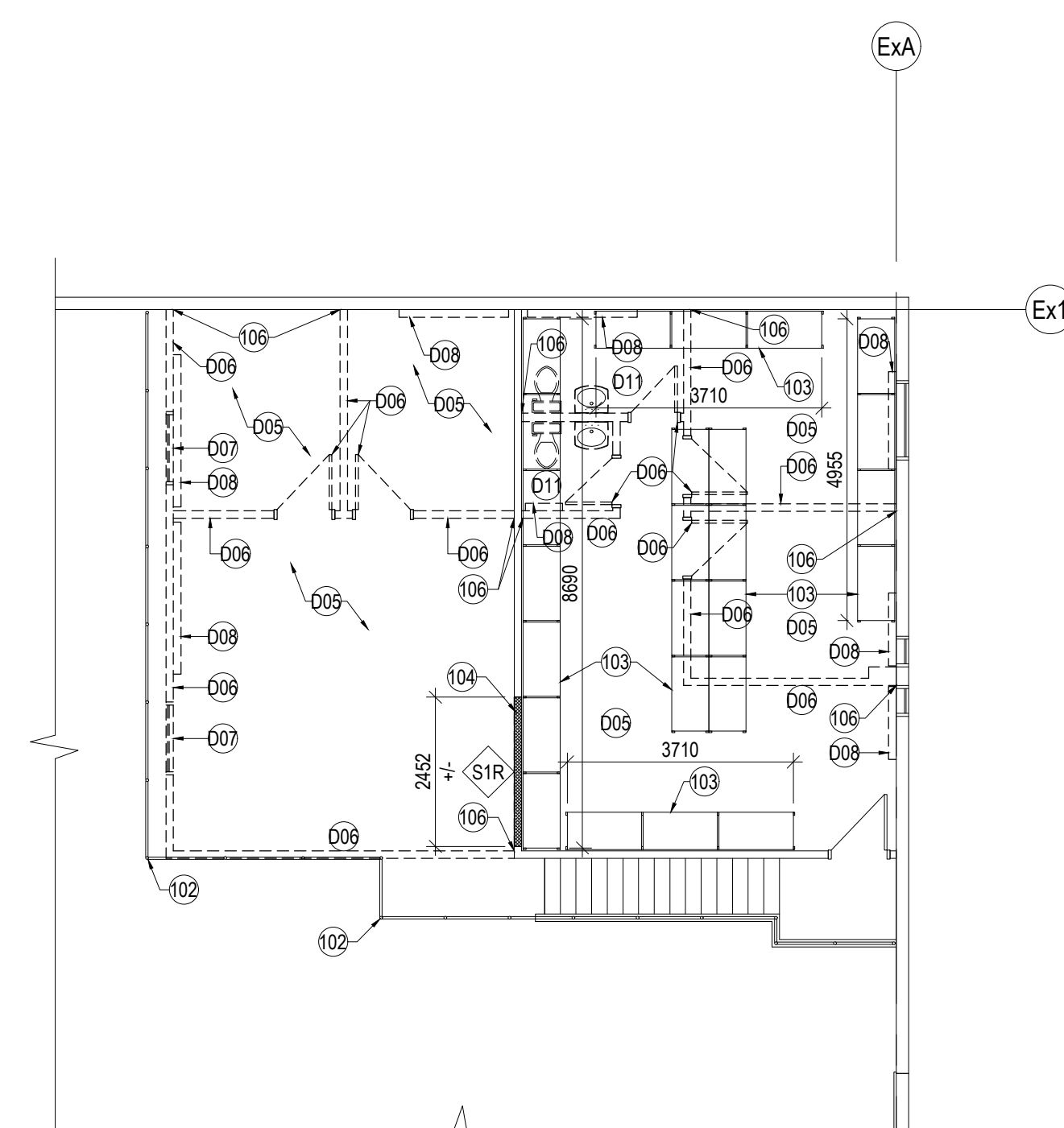
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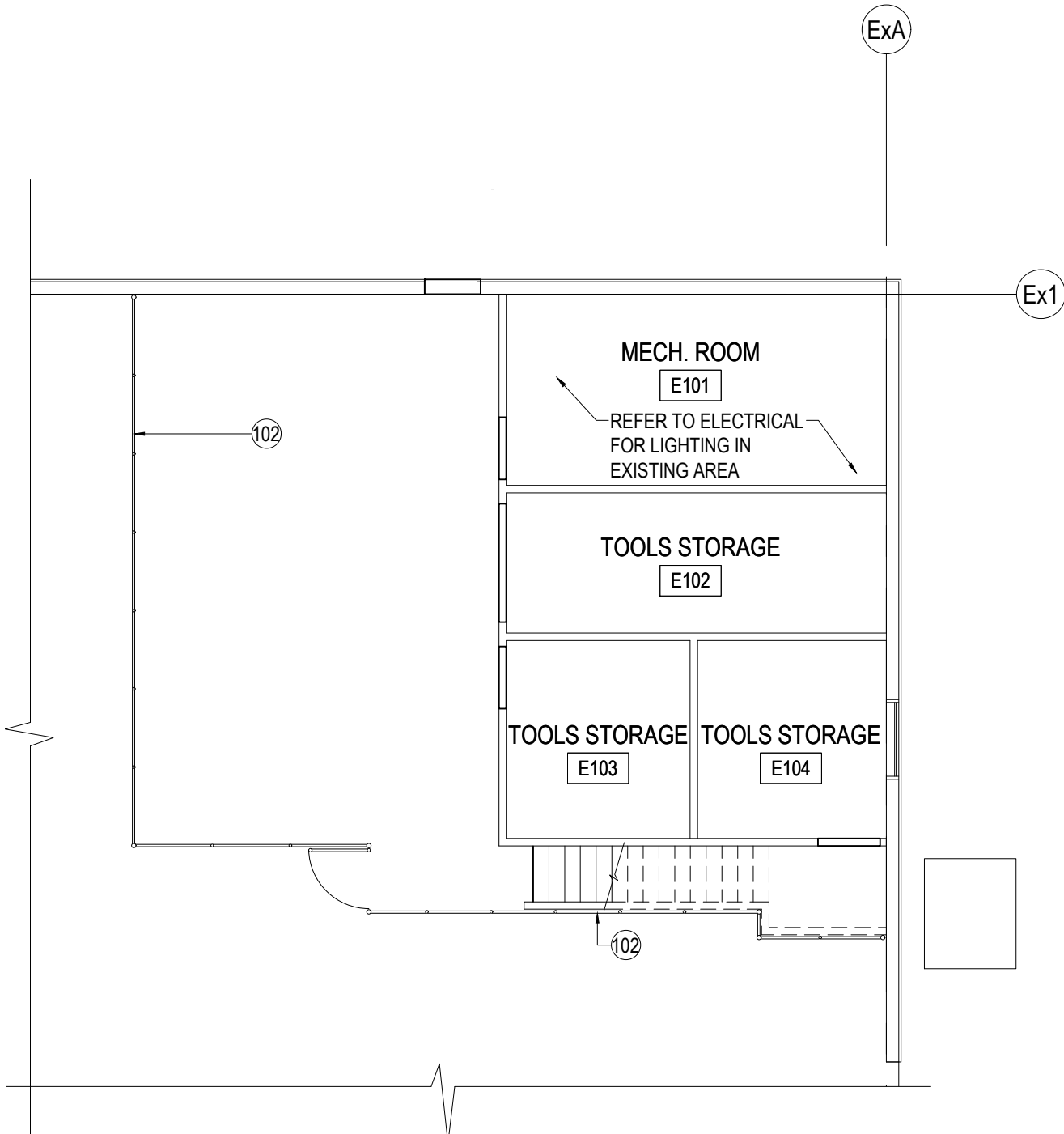
1 KEY PLAN AND LIFE SAFETY
SCALE: 1: 200



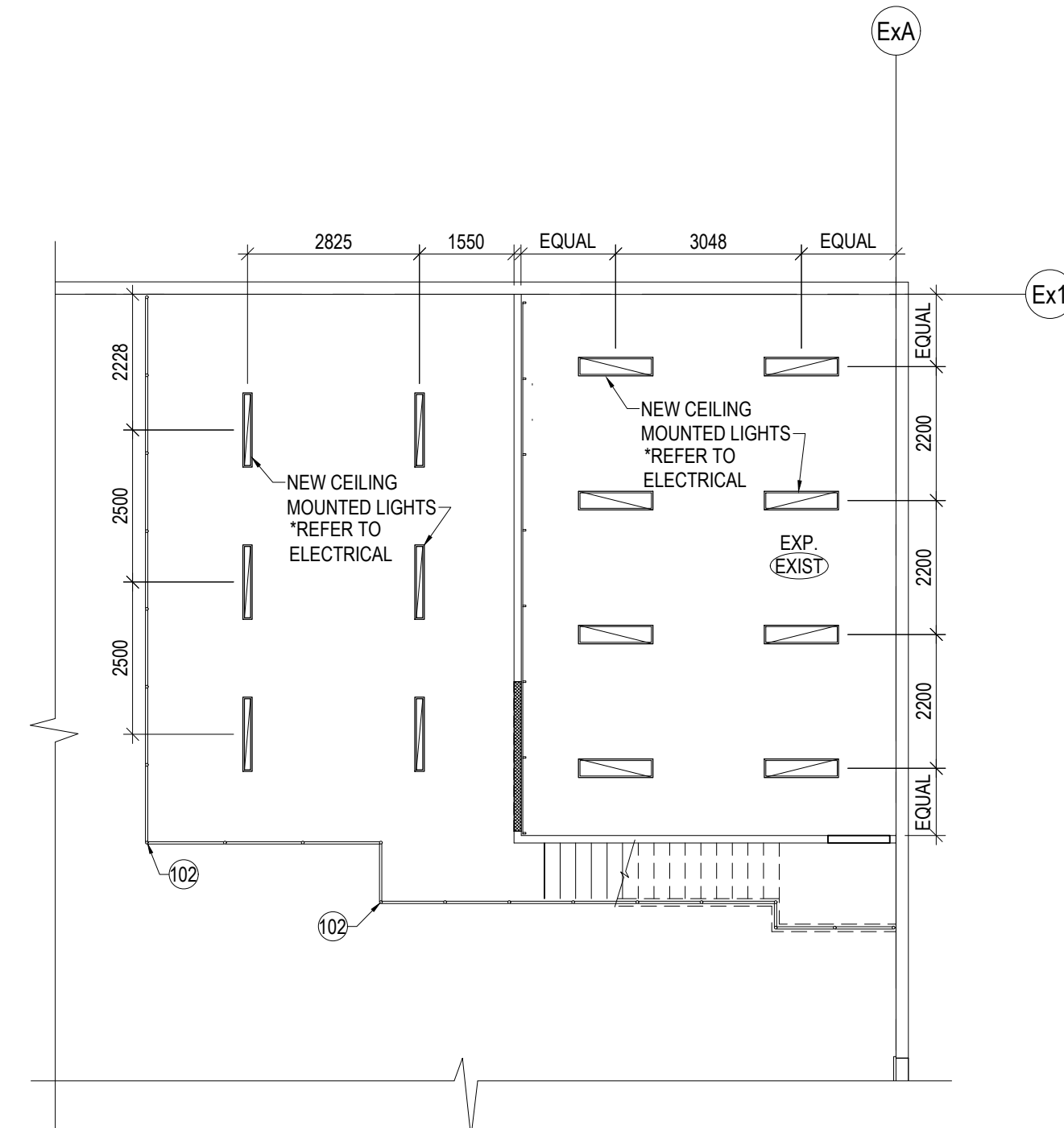
2 PROPOSED EXIST. BLDG. MAIN FLOOR RENO
SCALE: 1: 100



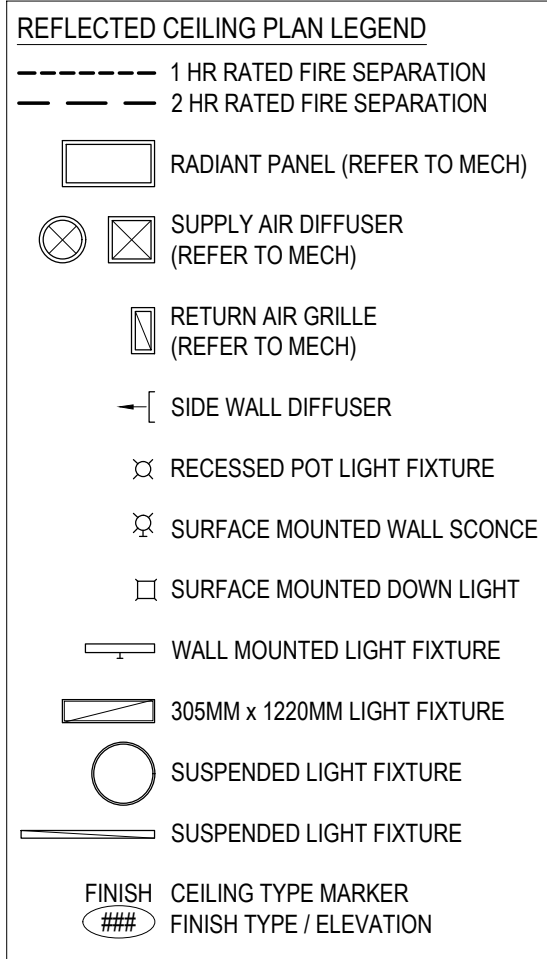
3 PROPOSED EXIST. BLDG. SECOND FLOOR RENO
SCALE: 1: 100



4 PROPOSED EXIST. BLDG. MAIN FLOOR RCP
SCALE: 1: 100



5 PROPOSED EXIST. BLDG. SECOND FLOOR RCP
SCALE: 1: 100



- GENERAL NOTES:
- CEILING HEIGHT @ 2745 AFF U.N.O. TYPICAL BOTH FLOORS
 - ALL MECHANICAL DIFFUSERS/GRILLS, LIGHT FIXTURES, RADIANT PANELS, ETC. ARE TO BE CENTERED IN THE ACOUSTIC CEILING TILES, ASSOCIATED ROOMS, BULKHEADS, AND CORRIDORS U.N.O.
 - REFER TO FINISH SCHEDULE FOR ALL NEW FINISHES.
 - REFER TO MECHANICAL AND ELECTRICAL FOR LOCATION OF CEILING MOUNTED EQUIPMENT.
 - REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR INSTRUCTION ON CEILING MOUNTED DEVICES
 - REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR EXTENT OF DISCIPLINE.
 - PREPARE OPENINGS IN FLOORS, ROOFS, CEILINGS, AND WALLS AS PER MECHANICAL AND ELECTRICAL FOR NEW EQUIPMENT AND SERVICES.
 - FIRE STOP OPENINGS IN RATED FLOORS, CEILINGS, AND WALLS. REFER ALSO TO SPECIFICATIONS.

- REFLECTED CEILING PLAN KEYNOTES:
- RADIANT CEILING PANELS SET INTO ACT GRID. REFER TO MECHANICAL.
 - RADIANT CEILING PANELS SET INTO GYPSUM BOARD CEILING. REFER TO MECHANICAL.
 - RADIANT CEILING PANELS SUSPENDED FROM STRUCTURE ABOVE. REFER TO MECHANICAL.
 - RECESSED ACT CEILING CENTERED IN ROOM U.N.O. C/W FULL SIZE TILES U.N.O.
 - RADIANT PANEL CENTERED ABOVE TOILET BELOW.
 - LIGHT FIXTURE CENTERED ABOVE SINK BELOW.
 - ALIGN CEILING TILE GRID WITH ADJACENT WALL
 - OVERHEAD DOOR TRACKS. SITE DETERMINE EXTENT WITH OVERHEAD DOOR SUPPLIER.
 - NOT USED
 - PRE-FINISHED DECORATIVE METAL PANELS AS SPECIFIED C/W ALL PRODUCT SPECIFIC TRIMS, FLASHINGS, FASTENERS, ETC.
 - RECESSED WALL FOR REFRIGERATOR TO EXTEND TO 50mm ABOVE TO OF FRIDGE. EXTEND WALL SURFACE ABOVE FRIDGE FLUSH WITH ADJACENT WALL FOR MILLWORK. *TYPICAL BOTH FLOORS.
 - CENTRE OVERHEAD LIGHTS IN INVENTORY STORAGE BETWEEN ADJACENT RACKS OF STORAGE SHELVING. SITE DETERMINE.
 - PAINTED PLYWOOD CEILING C/W SURFACE MOUNTED TRACK FOR SLIDING SECURITY GRILLE. EVENLY SPACE SURFACE MOUNTED LIGHT FIXTURES. COORDINATE WITH ELECTRICAL ON SITE
 - CEILING MOUNTED TRACK COORDINATE EXACT LOCATION WITH GRILLE SUPPLIER FOR RADIUS OF CURVES.
 - FABRIC SECURITY NETTING INSTALLED FROM TOP OF CHAIN LINK FENCING BELOW TO UNDERSIDE STRUCTURE OVER. SITE CONFIRM EXACT LOCATION TO ENSURE CLEARANCE REQUIRED FROM OVERHEAD LIGHTING AND / OR RADIANT PANELS. CONFIRM CLEARANCE REQUIREMENTS WITH

SALVAGE NOTES:
DURING DEMOLITION WORK IN EXISTING BUILDING, CONTRACTOR TO ENSURE CARE IS TAKEN IN REMOVING ITEMS FOR RE-USE BY OWNER. MATERIALS TO BE SALVAGED SHALL INCLUDE BUT NOT BE LIMITED TO:

- INTERIOR DOORS
- METAL DOOR FRAMES
- GLAZING IN METAL FRAMES
- METAL COLUMNS & BRACKETS SUPPORTING 2ND FLOOR
- LIGHT FIXTURES
- PLUMBING FIXTURES
- WALL MOUNTED SHELVING
- ACOUSTIC TILE CEILING PANELS IF NOT MARKED, SOILED OR DAMAGED

FLOOR PLAN KEYNOTES:

- 360mm TALL CHAIN WALKWAY FENCING SECURED TO CONCRETE SLAB. FABRIC SECURITY NETTING INSTALLED FROM T/O FENCING TO U/S STRUCTURE ABOVE.
- 1000mm SINGLE OR DOUBLE CHAIN WALKWAY DOORS (AS INDICATED) C/W CROSS BRACING SUPPORT 101. 100 x 100 HSS VERTICAL POSTS @ MAX. 2400mm o/c WITH 100 x 100 HSS HORIZONTAL BEAM @ 1065mm A.F.F. VERTICAL POSTS TO HAVE 125mm X 255mm BASE PLATES TO BE SECURED INTO EXISTING CONCRETE SLAB. FABRIC SECURITY NETTING INSTALLED FROM T/O FENCING TO U/S STRUCTURE ABOVE C/W CHAIN WALKWAY FENCE ENCLOSURE BELOW. SITE CONFIRM EXACT LOCATION SO AS TO NOT INTERFERE WITH MECHANICAL AND / OR ELECTRICAL EQUIPMENT OVER RACKING SYSTEM R-3. REFER TO SPECIFICATIONS
- REMOVE FINISH MATERIAL OF EXISTING OPENING TO WALL FRAMING. INFILL WALL FLUSH WITH ADJACENT SURFACES. WALL TYPE AS INDICATED.

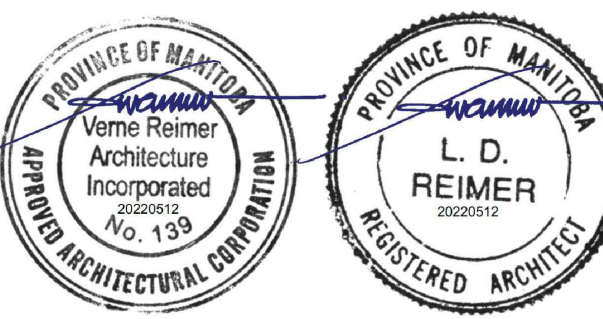
- 100 x 100 HSS VERTICAL POSTS @ MAX. 2400mm o/c WITH 100 x 100 HSS HORIZONTAL BEAM @ 1065mm A.F.F. VERTICAL POSTS TO HAVE 125mm X 255mm BASE PLATES TO ALLOW 4 - 13mmØ x 100mm ANCHOR BOLTS TO BE SECURED INTO EXISTING CONCRETE SLAB.
- PATCH AND MAKE GOOD WALL SURFACE AFFECTED BY DEMOLISHED WALL/FLOOR ASSEMBLIES. FINISH AND PAINT TO MATCH ADJACENT SURFACES.
- EXISTING EQUIPMENT TO REMAIN. REFER TO A100.
- FOR WORK ASSOCIATED WITH EXISTING PARKING SPACES REFER TO A100.

FLOOR PLAN DEMO KEYNOTES:

- DEMOLISH 2440MM TALL PLYWOOD PARTITIONS C/W BUILT-IN WOOD SHELVING.
- REMOVE & SALVAGE COLUMNS SUPPORTING BEAMS O/H/D.
- DEMOLISH BEAMS, FLOOR ASSEMBLY, AND WALLS O/H/D.
- DEMOLISH HALF HEIGHT PLYWOOD ENTRANCE PARTITION AND DOOR.
- DEMOLISH FLOORING FINISH AND ACT CEILING THROUGHOUT.
- DEMOLISH INTERIOR PARTITIONS, DOORS AND DOOR FRAMES.
- DEMOLISH INTERIOR WINDOW IN WOOD FRAME. METAL FRAMED INTERIOR WINDOWS TO BE SALVAGED & TURNED OVER TO OWNER.
- DEMOLISH BASEBOARD HEATERS AND ASSOCIATED CONNECTIONS. REFER TO MECHANICAL FOR EXTENT OF DEMOLITION.
- CAREFULLY REMOVE & STORE EXISTING WALL CLADDING AT LOCATION OF NEW WALKWAY BETWEEN EXISTING & NEW BUILDING. MODIFY AS REQUIRED & INSTALL AROUND CONNECTION OF WALKWAY TO EXISTING.

- REMOVE EXISTING DOOR & FRAME. REMOVE EXISTING INTERIOR FINISH & MODIFY WALL FRAMING AS REQUIRED TO SUIT NEW DOUBLE DOOR INSTALLATION. RELOCATED MECH AND ELECTRICAL SERVICES AS REQUIRED TO SUIT WORK. PATCH & MAKE GOOD.
- REMOVE EXISTING PLUMBING FIXTURES. REMOVE PIPING BACK TO WALL & CAP. (SEE MECHANICAL).

PERMIT / STAMP



REV	DATE	DESCRIPTION
	22/05/12	ISSUED FOR CONSTRUCTION
	22/04/29	ISSUED FOR PRE TENDER REVIEW
	21/03/26	ISSUED FOR CLIENT REVIEW (100%)
	21/01/25	ISSUED FOR CLASS A ESTIMATE
00	20/03/11	ISSUED FOR OWNER REVIEW
	19/12/06	ISSUED FOR OWNER REVIEW

CLIENT

CITY OF IQUALUIT
OPERATIONS CENTRE

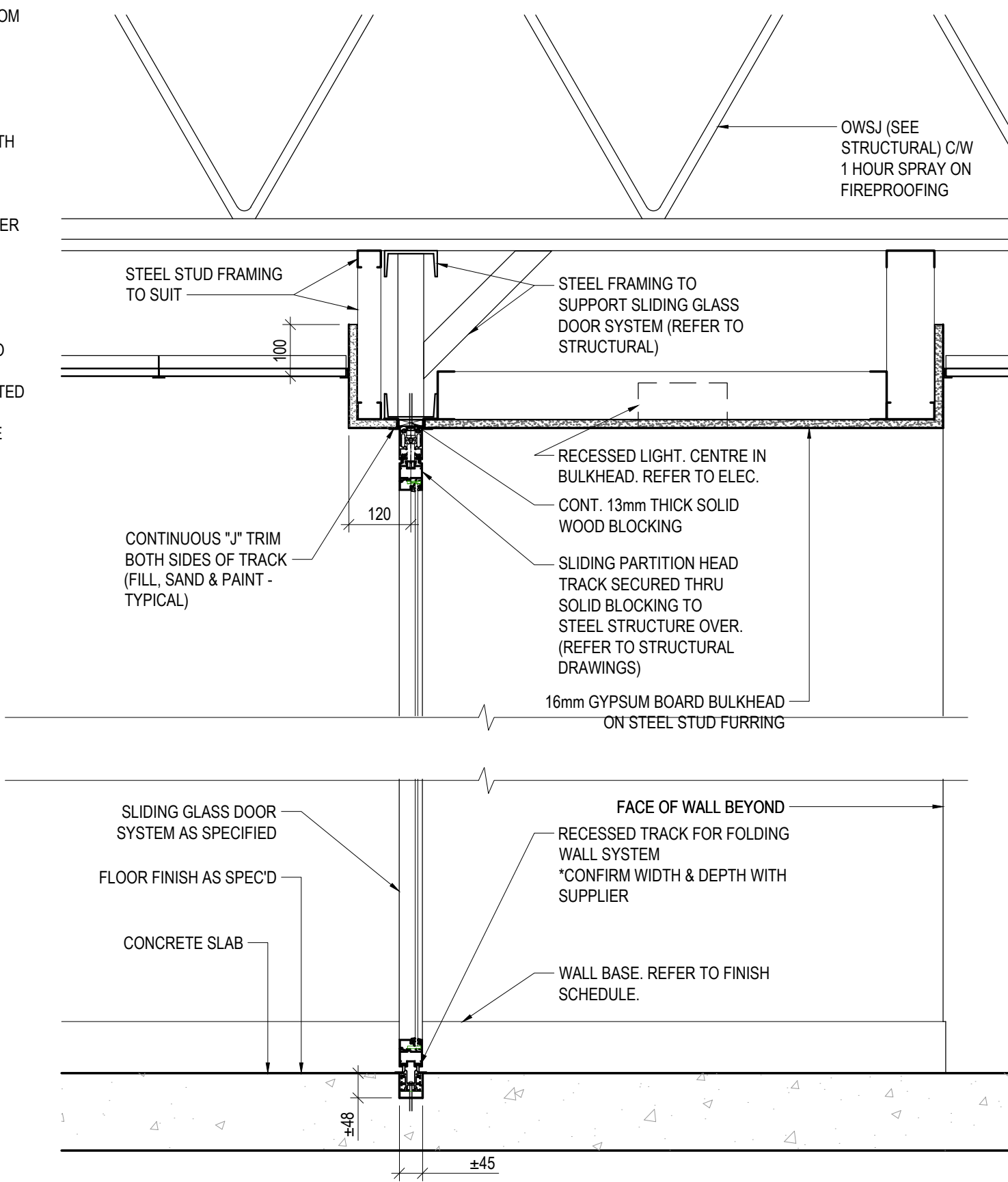
1549 FEDERAL ROAD
IQUALUIT, NUNAVUT
X0A 0H0

CLIENT PROJECT NO. 820837

TITLE:
EXIST. BLDG. STORAGE AREA
RENOVATION & WINDOW SCHEDULE

SCALE: AS INDICATED
PROJECT NUMBER: 2019.00800
DRAWN BY: KM

A103



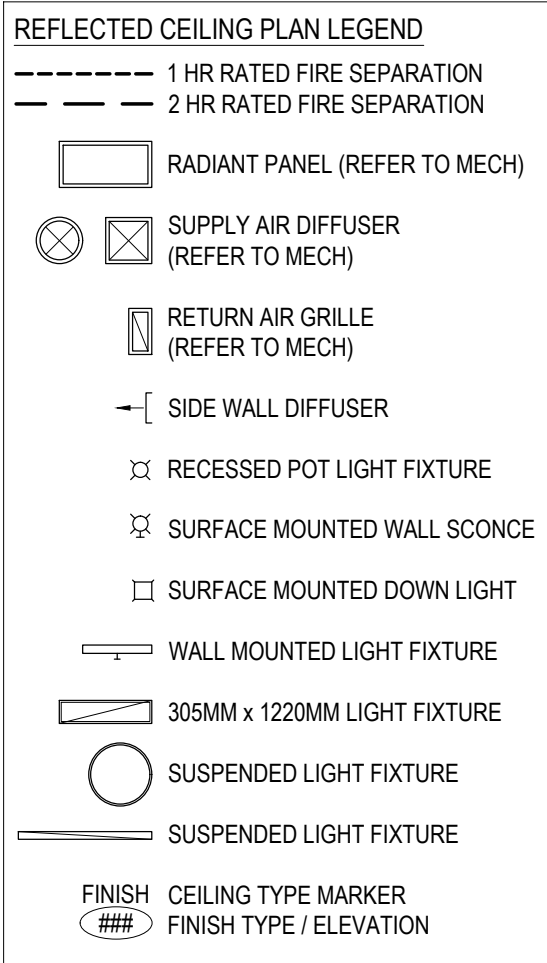
SECTION DETAIL @
SLIDING GLAZING HEAD TRACK
SCALE: 1: 10

1549 FEDERAL ROAD
IQALUIT, NUNAVUT
X0A 0H0

CLIENT PROJECT NO. 820837

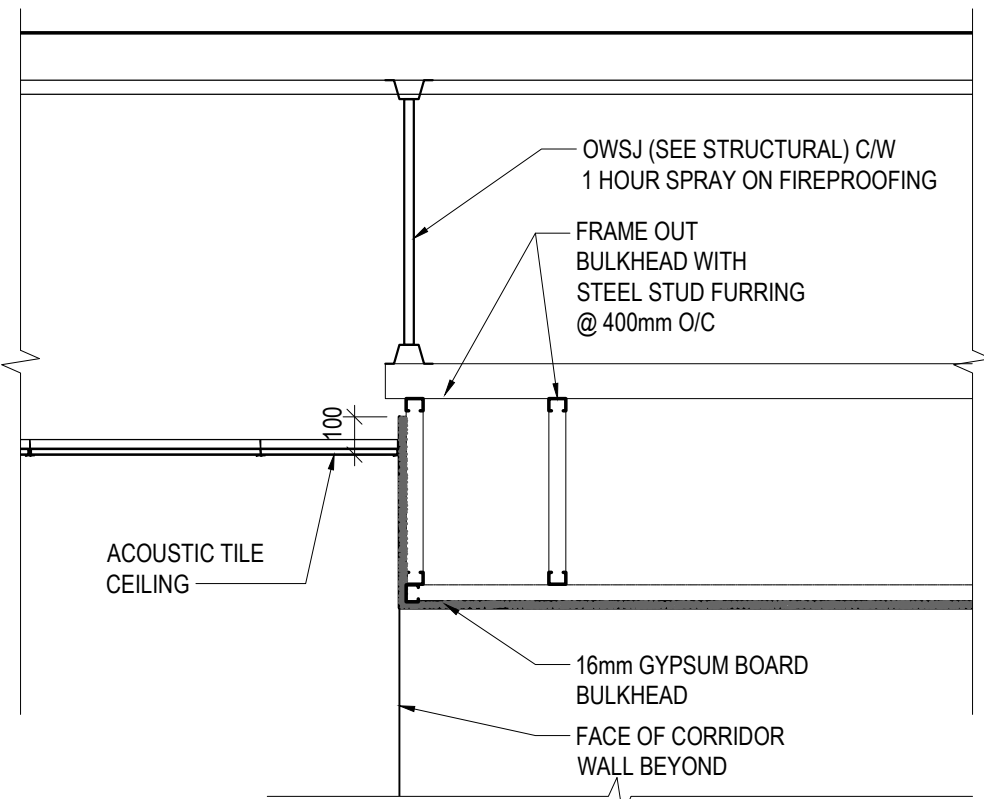
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MAIN FLOOR
SCALE: AS INDICATED
PROJECT NUMBER: 2019.00800
DRAWN BY: KM

A151

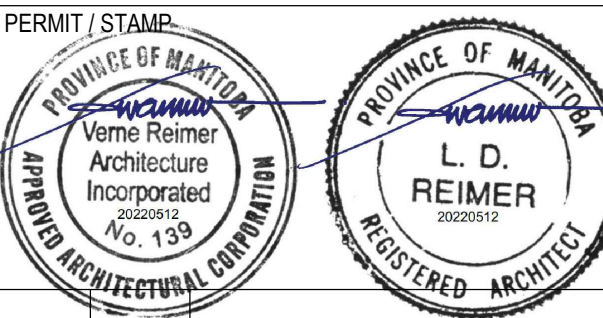
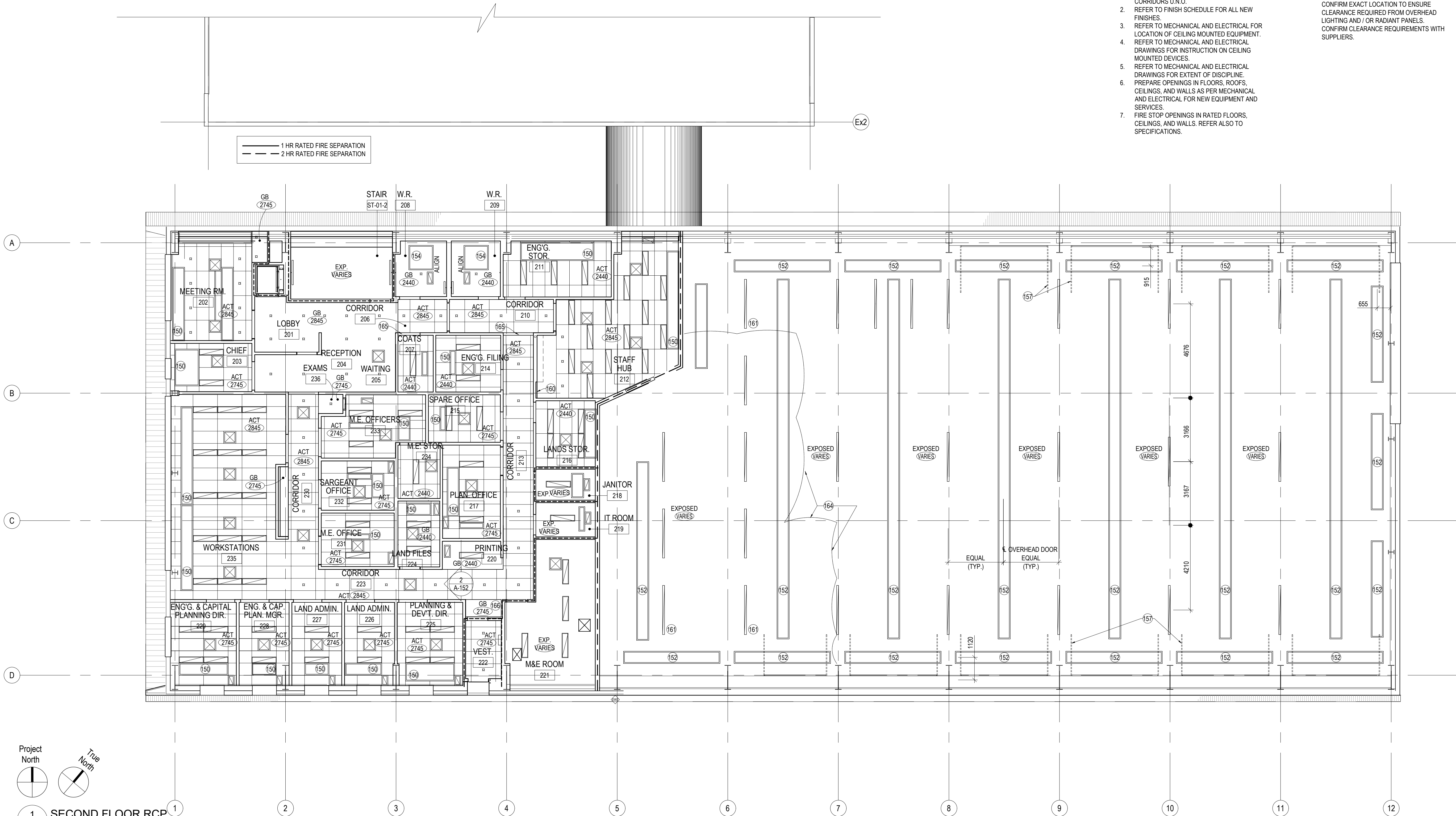


- REFLECTED CEILING PLAN KEYNOTES:
- 150 RADIANT CEILING PANELS SET INTO ACT GRD. REFER TO MECHANICAL.
 - 151 RADIANT CEILING PANELS SET INTO GYPSUM BOARD CEILING. REFER TO MECHANICAL.
 - 152 RADIANT CEILING PANELS SUSPENDED FROM STRUCTURE ABOVE. REFER TO MECHANICAL.
 - 153 RECESSED ACT CEILING CENTERED IN ROOM U.N.O. C/W FULL SIZE TILES U.N.O.
 - 154 RADIANT PANEL CENTERED ABOVE TOILET BELOW.
 - 155 LIGHT FIXTURE CENTERED ABOVE SINK BELOW.
 - 156 ALIGN CEILING TILE GRID WITH ADJACENT WALL.
 - 157 OVERHEAD DOOR TRACKS. SITE DETERMINE EXTENT WITH OVERHEAD DOOR SUPPLIER.
 - 158 NOT USED
 - 159 PRE-FINISHED DECORATIVE METAL PANELS AS SPECIFIED C/W ALL PRODUCT SPECIFIC TRIMS, FLASHINGS, FASTENERS, ETC.
 - 160 RECESSED WALL FOR REFRIGERATOR TO EXTEND TO 50mm ABOVE TO OF FRIDGE. EXTEND WALL SURFACE ABOVE FRIDGE FLUSH WITH ADJACENT WALL FOR MILLWORK. *TYPICAL BOTH FLOORS.
 - 161 CENTRE OVERHEAD LIGHTS IN INVENTORY STORAGE BETWEEN ADJACENT RACKS OF STORAGE SHELVING. SITE DETERMINE.
 - 162 PAINTED PLYWOOD CEILING C/W SURFACE MOUNTED TRACK FOR SLIDING SECURITY GRILLE. EVENLY SPACE SURFACE MOUNTED LIGHT FIXTURES. COORDINATE WITH ELECTRICAL ON SITE.
 - 163 CEILING MOUNTED TRACK. COORDINATE EXACT LOCATION WITH GRILLE SUPPLIER FOR RADIUS OF CURVES.
 - 164 FABRIC SECURITY NETTING INSTALLED FROM TOP OF CHAIN LINK FENCING BELOW TO UNDERSIDE STRUCTURE OVER. SITE CONFIRM EXACT LOCATION TO ENSURE CLEARANCE REQUIRED FROM OVERHEAD LIGHTING AND / OR RADIANT PANELS. CONFIRM CLEARANCE REQUIREMENTS WITH SUPPLIERS.

- GENERAL NOTES:
- CEILING HEIGHT @ 2745 AFF U.N.O. TYPICAL BOTH FLOORS
 - ALL MECHANICAL DIFFUSERS/GRILLS, LIGHT FIXTURES, RADIANT PANELS, ETC. ARE TO BE CENTERED IN THE ACOUSTIC CEILING TILES, ASSOCIATED ROOMS, BULKHEADS, AND CORRIDORS U.N.O.
 - REFER TO FINISH SCHEDULE FOR ALL NEW FINISHES.
 - REFER TO MECHANICAL AND ELECTRICAL FOR LOCATION OF CEILING MOUNTED EQUIPMENT.
 - REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR INSTRUCTION ON CEILING MOUNTED DEVICES.
 - REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR EXTENT OF DISCIPLINE.
 - PREPARE OPENINGS IN FLOORS, ROOFS, CEILINGS, AND WALLS AS PER MECHANICAL AND ELECTRICAL FOR NEW EQUIPMENT AND SERVICES.
 - FIRE STOP OPENINGS IN RATED FLOORS, CEILINGS, AND WALLS. REFER ALSO TO SPECIFICATIONS.



BULKHEAD AT
PRINT ROOM / CORRIDOR
2
A-152 SCALE: 1: 20



22/05/12	ISSUED FOR CONSTRUCTION
22/04/29	ISSUED FOR PRE TENDER REVIEW
21/03/26	ISSUED FOR CLIENT REVIEW (100%)
21/01/25	ISSUED FOR CLASS A ESTIMATE
01 21/01/07	ISSUED FOR CONSULTANT COORD.
00 20/03/11	ISSUED FOR OWNER REVIEW
19/12/06	ISSUED FOR OWNER REVIEW
19/11/19	ISSUED FOR CLASS C ESTIMATE

REV	DATE	DESCRIPTION
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CLIENT

CITY OF IQALUIT
OPERATIONS CENTRE

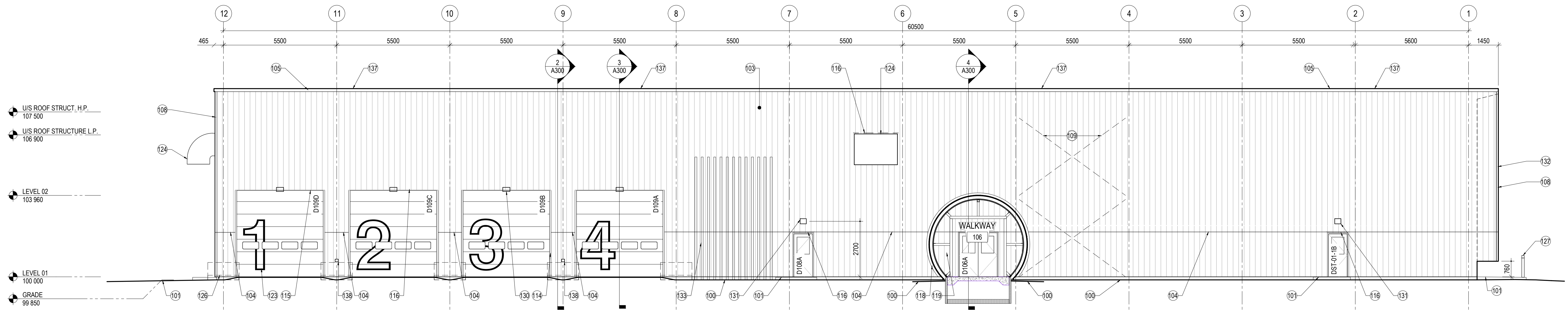
1549 FEDERAL ROAD
IQALUIT, NUNAVUT
X0A 0H0

CLIENT PROJECT NO. 820837

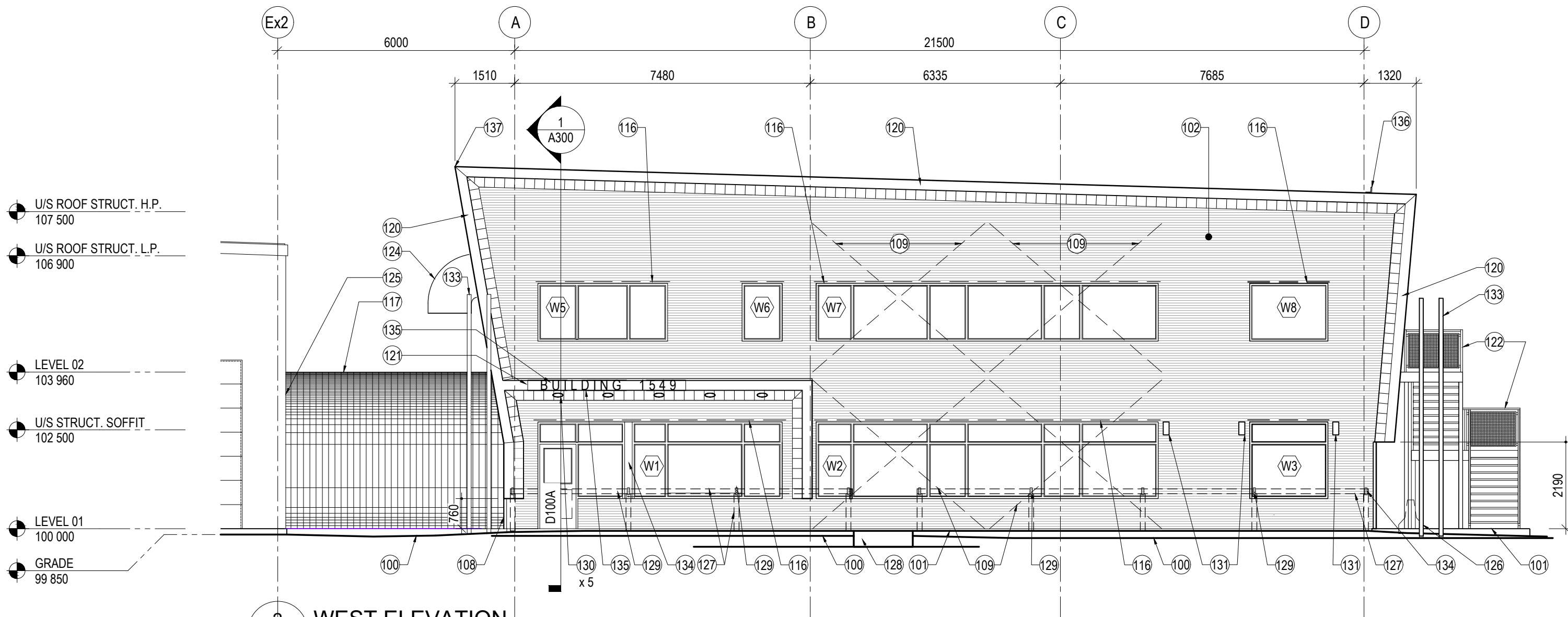
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REFLECTED CEILING PLAN
SECOND FLOOR

SCALE: AS INDICATED
PROJECT NUMBER: 2019.00800
DRAWN BY: KM

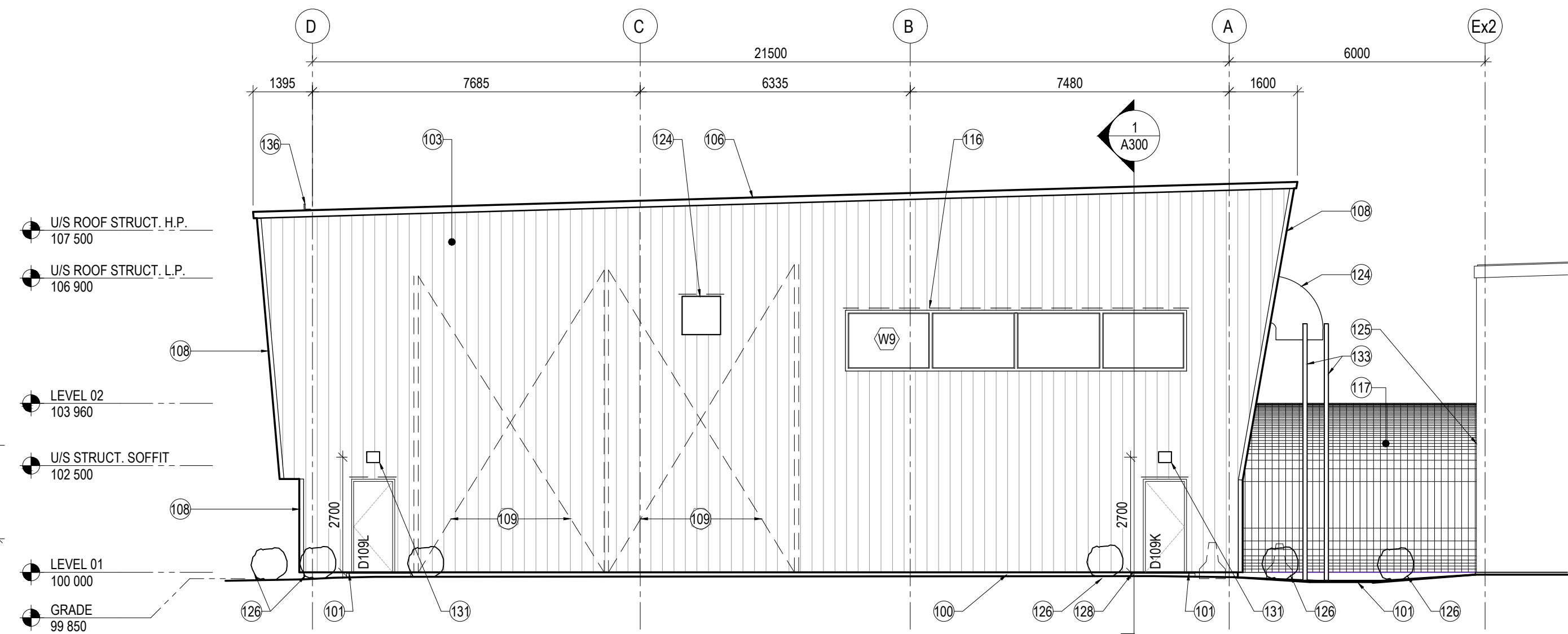
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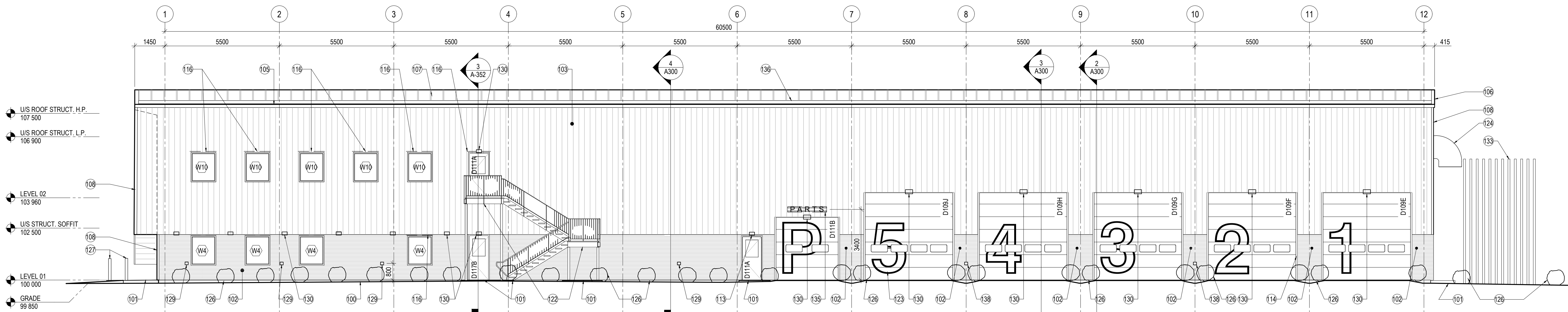
1 NORTH ELEVATION
A-200 SCALE: 1: 100



2 WEST ELEVATION
A-200 SCALE: 1: 100



3 EAST ELEVATION
A-200 SCALE: 1: 100



4 SOUTH ELEVATION
A-200 SCALE: 1: 100

ELEVATION KEYNOTES:

- 100 GRADE
- 101 CAST-IN-PLACE CONCRETE APRON SLAB. REFER TO STRUCTURAL DRAWINGS.
- 102 PRE-FINISHED METAL HORIZONTAL SIDING
- 103 PRE-FINISHED METAL VERTICAL SIDING
- 104 PRE-FINISHED METAL TRANSITION FLASHING
- 105 PRE-FINISHED METAL EAVE TRIM
- 106 PRE-FINISHED METAL GABLE TRIM
- 107 PRE-FINISHED METAL LOW SLOPE METAL ROOF
- 108 PRE-FINISHED METAL CORNER TRIM
- 109 PRE-ENGINEERED BUILDING CROSS BRACING
- 110 NOT USED
- 111 NOT USED
- 112 NOT USED
- 113 NOT USED
- 114 BENT STEEL JAMB TRIM - TYPICAL (PAINT)

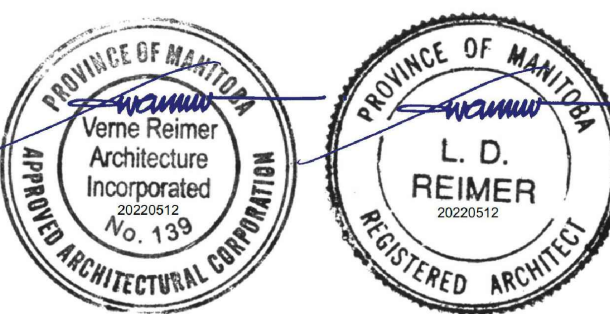
- 115 BENT STEEL HEAD TRIM - TYPICAL (PAINT)
- 116 PRE-FINISHED METAL FLASHING - TYPICAL
- 117 PRE-FINISHED CURVED METAL SIDING ON WALKWAY BETWEEN EXISTING & NEW BUILDING
- 118 PRE-FINISHED METAL FLASHING AROUND WALKWAY CONNECTION TO NEW & EXISTING BUILDING. INSTALL IN "SHINGLE" STYLE TO ENSURE MOISTURE DRAINS AWAY FROM BUILDING
- 119 CONTINUE VERTICAL METAL SIDING ON SOUTH FACE OF WALKWAY
- 120 PRE-FINISHED METAL PANEL SYSTEM ON "FIN" WALL & CANOPY AT FRONT ENTRY
- 121 PRE-FINISHED METAL CANOPY OVER FRONT ENTRY SYSTEM
- 122 EXTERIOR STEEL EXIT STAIR. REFER TO DWG A-500
- 123 VINYL DECAL SIGNAGE AS SPECIFIED

- TYPICAL FOR ALL OVERHEAD DOORS.
- 124 MECHANICAL DAMPER & HOOD. REFER TO MECHANICAL DRAWINGS.
- 125 EXISTING BUILDING TO BE MODIFIED AS REQUIRED TO SUIT NEW WALKWAY CONNECTION. PATCH & MAKE GOOD ALL WORK. REFER TO DRAWING A501.
- 126 LOCALLY SOURCED BOULDERS AT OVERHEAD DOOR LOCATIONS, PARKING STALLS WITHOUT PARKING FENCE & AS INDICATED ON DRAWINGS. CONFIRM ADDITIONAL EXACT LOCATIONS WITH CLIENT ON SITE. BOULDERS TO BE APPROXIMATELY 800 - 900mm IN DIAMETER & 800 - 900mm TALL.
- 127 1065mm HIGH HSS PARKING FENCE & POSTS AS SHOWN C/W ELECTRICAL OUTLETS FOR PARKING.

- SEE ELECTRICAL DRAWINGS.
- *REFER TO DRAWING A-101 FOR LOCATIONS. NOTE FENCE & POSTS SHOWN DASHED FOR CLARITY OF BUILDING BEYOND.
- 128 SLOPED CONCRETE SIDEWALK TO GRAVEL PARKING SURFACE. REFER TO STRUCTURAL & CIVIL DRAWINGS.
- 129 APPROXIMATE LOCATION OF SURFACE MOUNTED ELECTRICAL WALL PLUGS (SEE ELECTRICAL).
- 130 RECESSED SOFFIT LIGHTING. TYPICAL WHERE SHOWN. (SEE REFLECTED CEILING PLAN & ELECTRICAL)
- 131 WALL MOUNTED LIGHTING (SEE ELECTRICAL)
- 132 PRE-FINISHED METAL WALL FIN ACROSS FRONT (WEST) ELEVATION.
- 133 THERMOSYPHON RADATORS (REFER TO MECHANICAL DRAWINGS).

- 134 REFLECTIVE MARKERS FOR PARKING SPACE DELINEATION (REFER TO SPECIFICATIONS)
- 135 SIGNAGE AS SPECIFIED.
- *ON WEST ELEVATION SIGNAGE OFFSET FROM FASCIA AND ATTACHED BY SPACERS
- *ON SOUTH ELEVATION, SIGNAGE ATTACHED BY DOUBLE RAIL SYSTEM.
- PROVIDE PRESSURE TREATED PLYWOOD BLOCKING TO SUIT FURRING THICKNESS FOR FULL HEIGHT OF SIGN & 150mm BEYOND EACH END.
- 136 ICE / SNOW GUARD ON ROOF. REFER TO SPECIFICATIONS
- 137 ATTACH FALL PROTECTION ANCHORS TO HIGH POINT ON ROOF RIDGE. REFER TO STRUCTURAL FOR CONNECTIONS
- 138 APPROXIMATE LOCATION OF HOSE BIB. REFER TO MECHANICAL.

PERMIT / STAMP



22/05/12	ISSUED FOR CONSTRUCTION
22/04/29	ISSUED FOR PRE TENDER REVIEW
21/03/26	ISSUED FOR CLIENT REVIEW (100%)
21/01/25	ISSUED FOR CLASS A ESTIMATE
00	20/03/11 ISSUED FOR OWNER REVIEW
19/12/06	ISSUED FOR OWNER REVIEW
19/11/19	ISSUED FOR CLASS C ESTIMATE

REV	DATE	DESCRIPTION
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CLIENT

CITY OF IQALUIT
OPERATIONS CENTRE

1549 FEDERAL ROAD
IQALUIT, NUNAVUT
X0A 0H0

CLIENT PROJECT NO. 820837

TITLE:

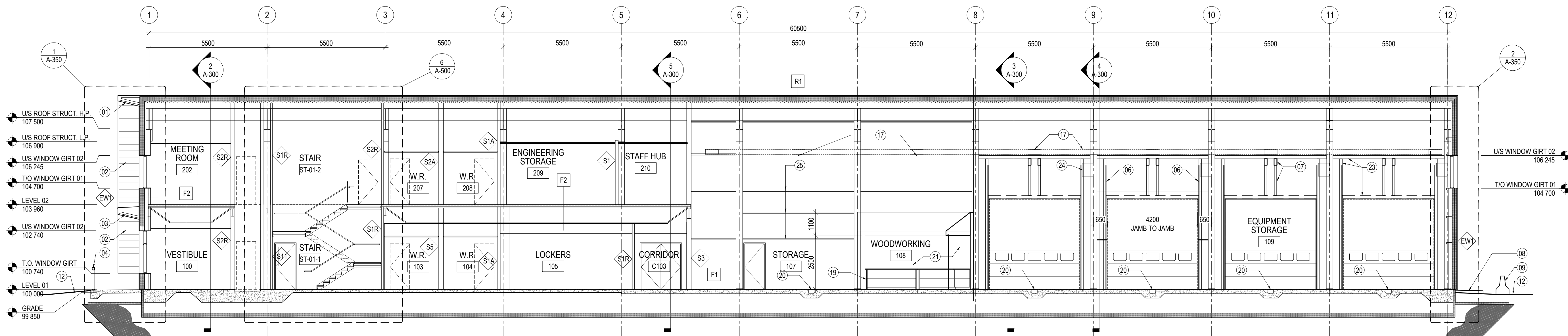
EXTERIOR ELEVATIONS

SCALE: AS INDICATED
PROJECT NUMBER: 2019.00800
DRAWN BY: KM

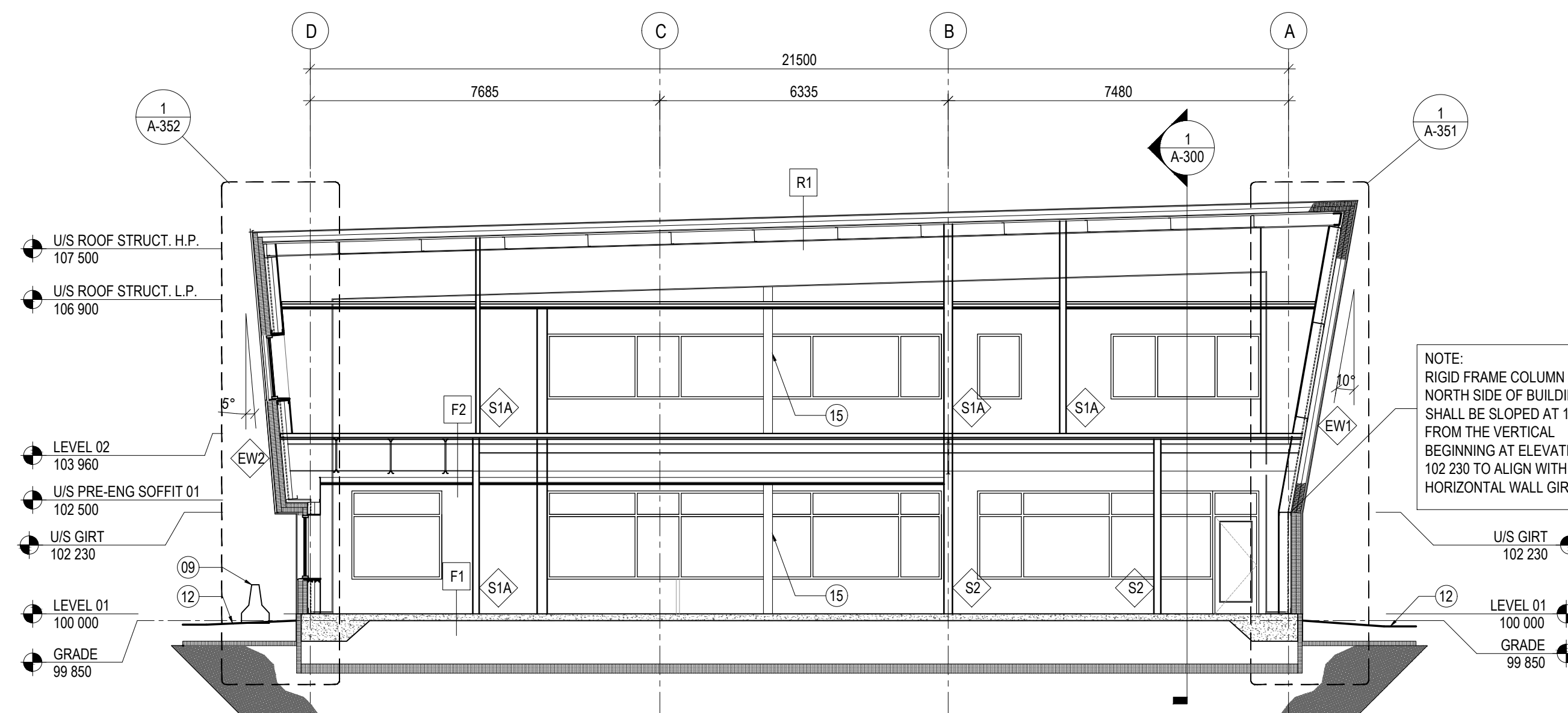
A200

- 01 ROOF CANOPY
- 02 FINWALL BEYOND. REFER TO FLOOR PLAN & PLAN DETAILS FOR DIMENSIONS & CONSTRUCTION.
- 03 CANOPY OVER FRONT ENTRY WALL. REFER TO PLAN DETAILS & DRAWING A-200.1
- 04 METAL PARKING FENCE & ELECTRICAL OUTLETS. REFER TO DRAWING A-100 & ELECTRICAL DRAWINGS.
- 05 SLIDING GRILLE SUSPENDED FROM ROOF AROUND WOODWORKING AREA
- 06 OVERHEAD DOOR TRACK BEYOND. TYPICAL.
- 07 OVERHEAD DOOR MOTOR & TORSION TUBE. CONFIRM SIZE & LOCATION WITH OVERHEAD DOOR SUPPLIER. TYPICAL.
- 08 *PROVIDE INFILL FRAMING AS REQUIRED AT SLOPED WALL TO MEET REQUIREMENTS FOR DOOR HARDWARE INSTALLATION (TYPICAL)
- 09 CAST-IN-PLACE CONCRETE SLAB
- 10 LOCALLY SOURCED BOULDER. REFER TO NOTE 020 ON A100 FOR SIZE AND LOCATIONS.
- 11 FABRIC SECURITY NETTING INSTALLED FROM T/O FENCING TO U/S STRUCTURE ABOVE C/W CHAIN LINK FENCE ENCLOSURE BELOW.
- 12 WORKBENCH WITH BACKSPLASH.
- 13 GRADE. REFER TO CIVIL DRAWINGS.
- 14 NEW PASSIVE HEAT EXCHANGE SYSTEM TO EXTEND BELOW NEW WALKWAY TOWARDS EXISTING BUILDING WITH EXISTING BELOW GRADE HEAT EXCHANGE SYSTEM. CONTRACTOR TO COORDINATE EXACT EXTENT OF NEW INSTALLATION WITH SUPPLIER SO AS TO NOT INTERFERE / DISRUPT EXISTING SYSTEM.
- 15 ALUM PLATE PROTECTION TO 2440mm A.F.F. (REFER TO SPECIFICATIONS).
- 16 PROVIDE SOLID BLOCKING IN WALL FRAMING FOR FASTENING. SITE DETERMINE BLOCKING LOCATIONS.
- 17 EXPOSED RIGID FRAME ENDWALL POST. APPLY INTUMESCENT FIREPROOFING TO ALL EXPOSED SURFACES AS REQUIRED TO MAINTAIN FIRE RESISTANCE RATING.
- 18 LINE OF MEZZANINE FLOOR BEYOND. INSTALL DEFLECTION / EXPANSION JOINT IN 2 HOUR FIRE RATED WALL AS REQUIRED. MAINTAIN FIRE RATING AT JOINTS TO MATCH WALL ASSEMBLY. TYPICAL. HORIZONTAL JOINT TO RUN FULL LENGTH OF WALL. VERTICAL JOINTS AS REQUIRED.
- 19 APPROXIMATE ELEVATION OF HYDRONIC

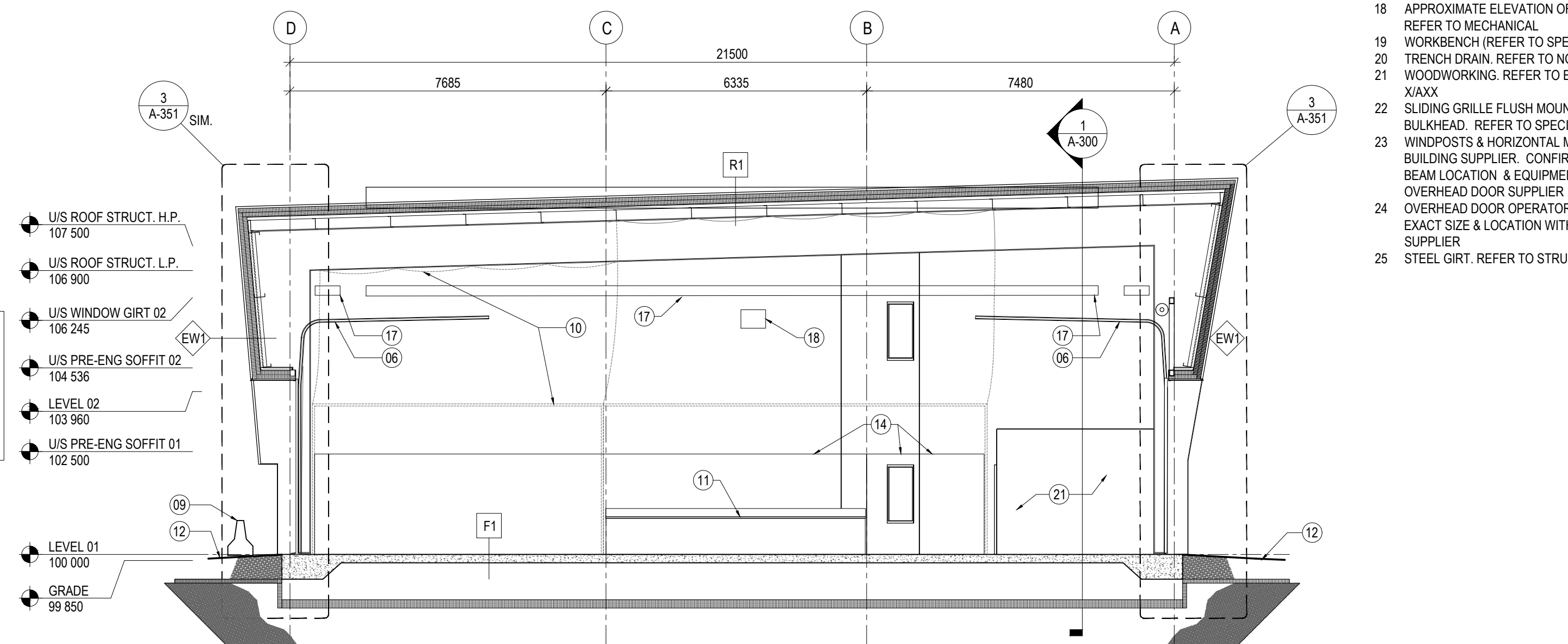
- HEATING UNITS. REFER TO MECHANICAL
- *COORDINATE EXACT LOCATION WITH OVERHEAD DOOR TRACKS / ACCESSORIES
- APPROXIMATE ELEVATION OF UNIT HEATERS. REFER TO MECHANICAL.
- WORKBENCH (REFER TO SPECIFICATIONS)
- TRENCH DRAIN. REFER TO NOTE 127 ON A101
- WOODWORKING. REFER TO ENLARGED DETAIL X/XXX
- SLIDING GRILLE FLUSH MOUNTED TO UNDERSIDE BULKHEAD. REFER TO SPECIFICATIONS.
- WINDPOSTS & HORIZONTAL MEMBERS BY RIGID BUILDING SUPPLIER. CONFIRM EXACT UPPER BEAM LOCATION & EQUIPMENT LOCATIONS WITH OVERHEAD DOOR SUPPLIER
- OVERHEAD DOOR OPERATOR PAD. CONFIRM EXACT SIZE & LOCATION WITH OVERHEAD DOOR SUPPLIER
- STEEL GIRT. REFER TO STRUCTURAL.



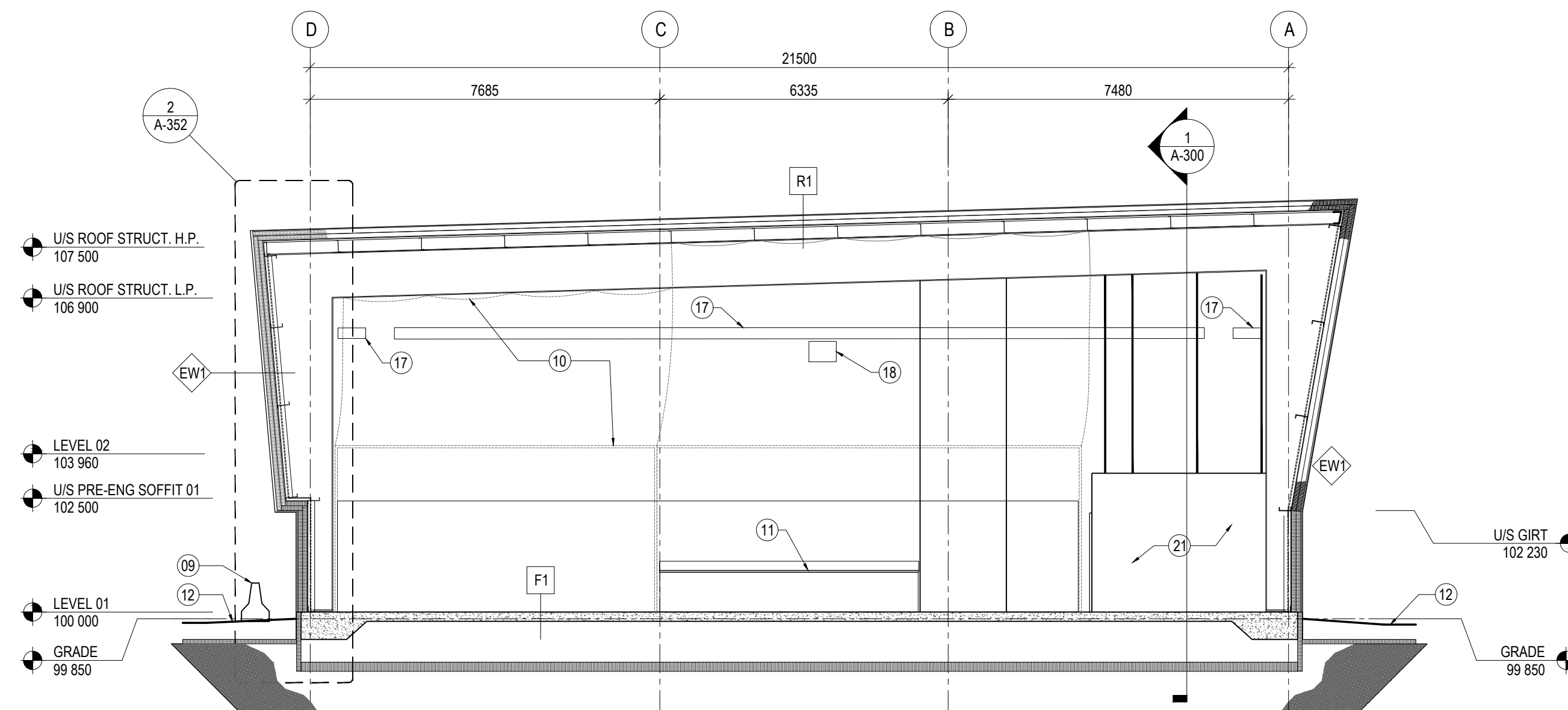
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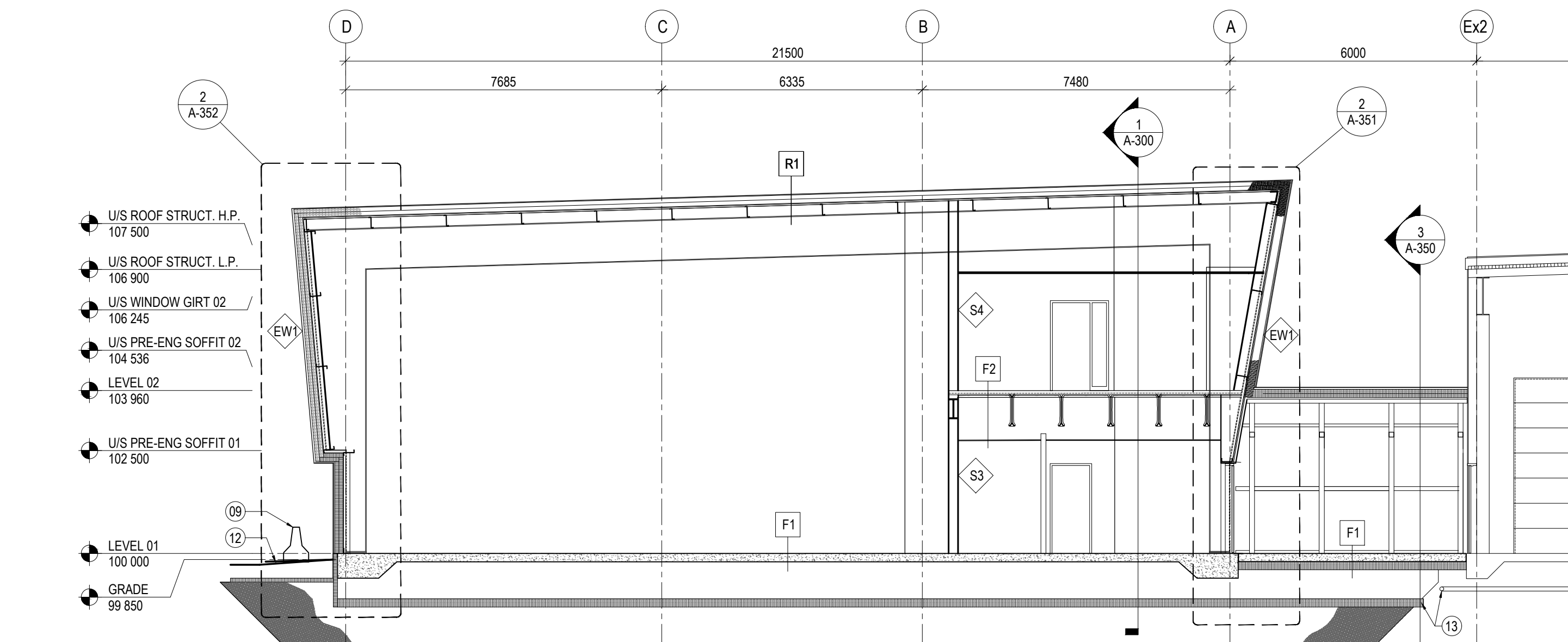
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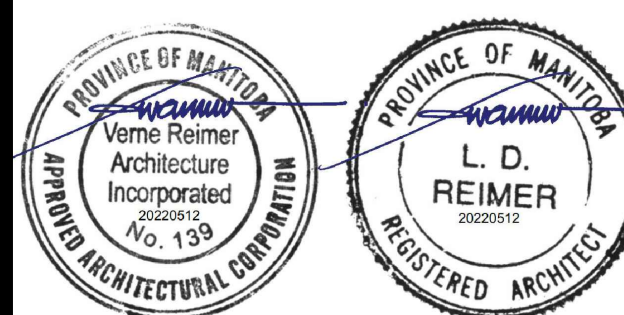
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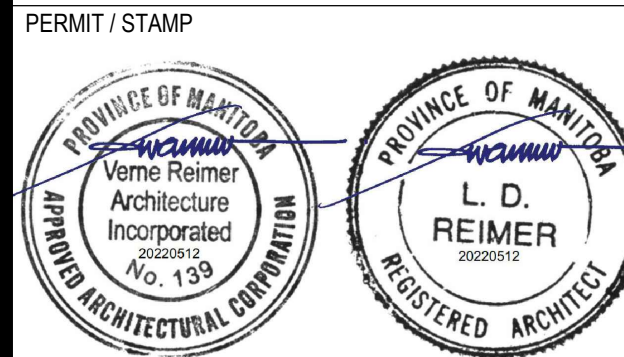
4 BUILDING SECTION
A-300 SCALE: 1: 100



5 BUILDING SECTION
A-300 SCALE: 1: 100



	22/05/12	ISSUED FOR CONSTRUCTION
	22/04/29	ISSUED FOR PRE TENDER REVIEW
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00	20/03/11	ISSUED FOR OWNER REVIEW
	19/12/06	ISSUED FOR OWNER REVIEW
	19/11/19	ISSUED FOR CLASS C ESTIMATE



REV	DATE	DESCRIPTION
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CLIENT

CITY OF IQALUIT
OPERATIONS CENTRE

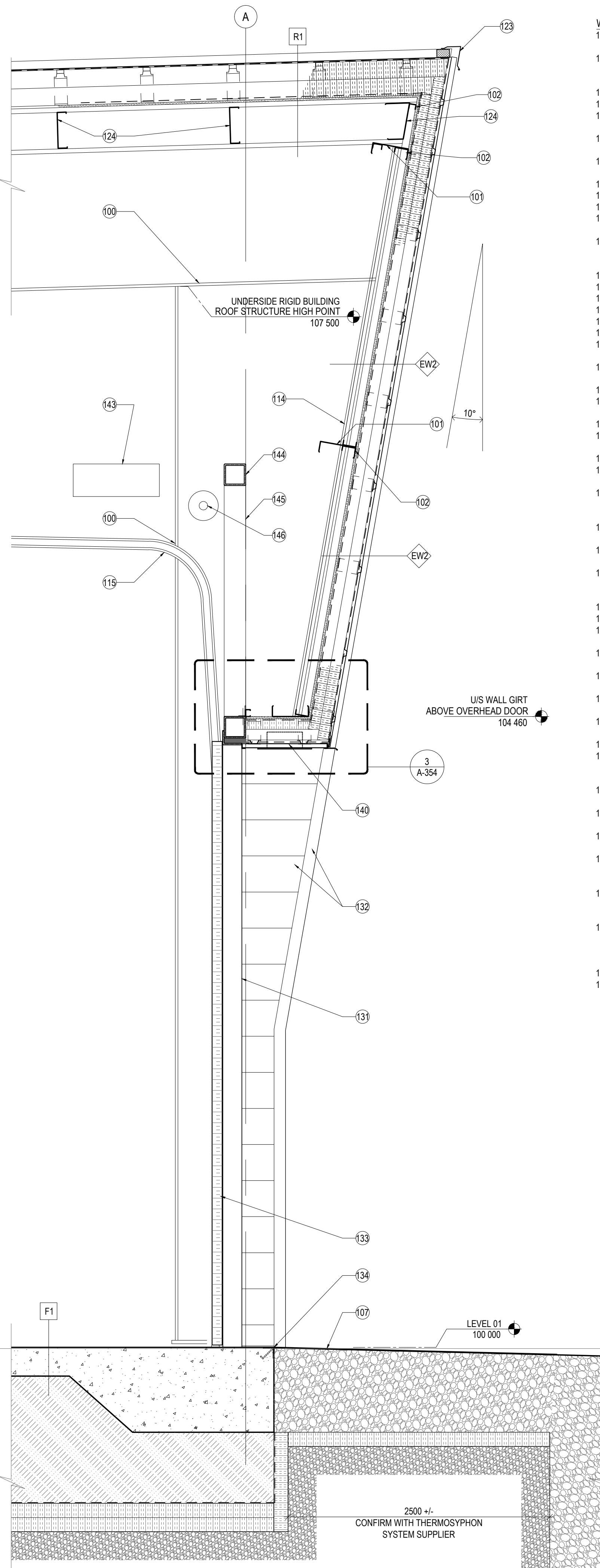
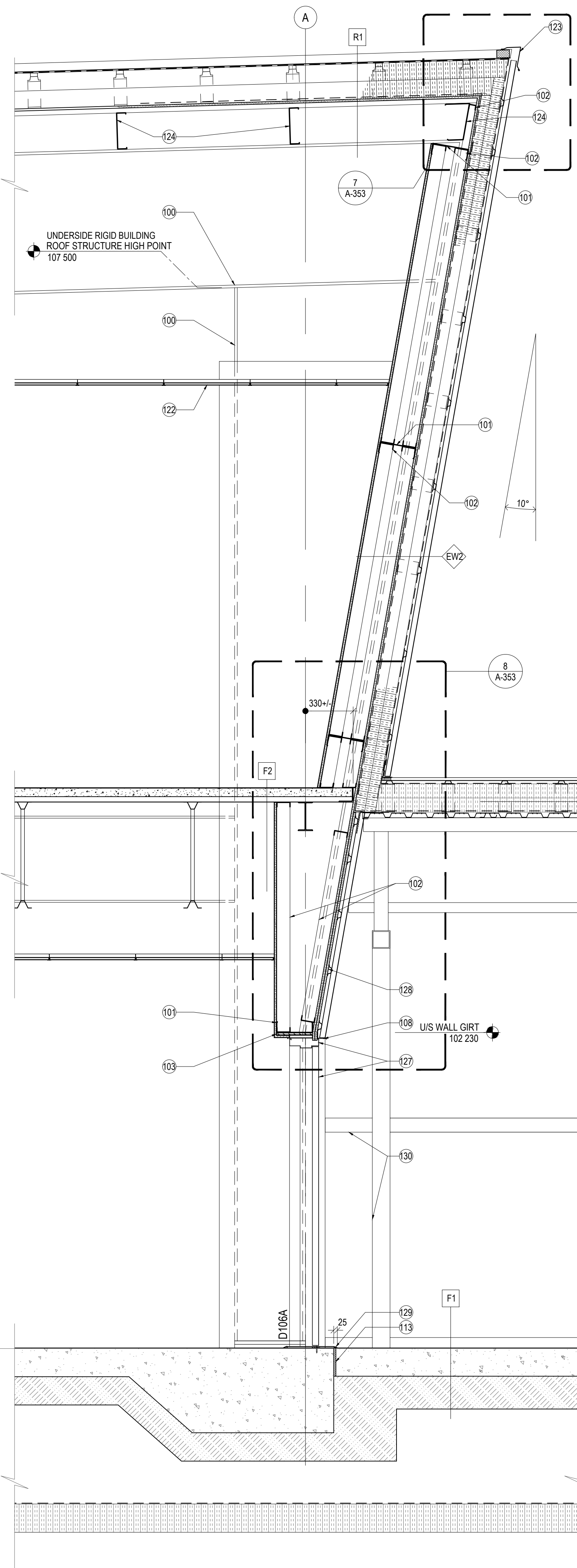
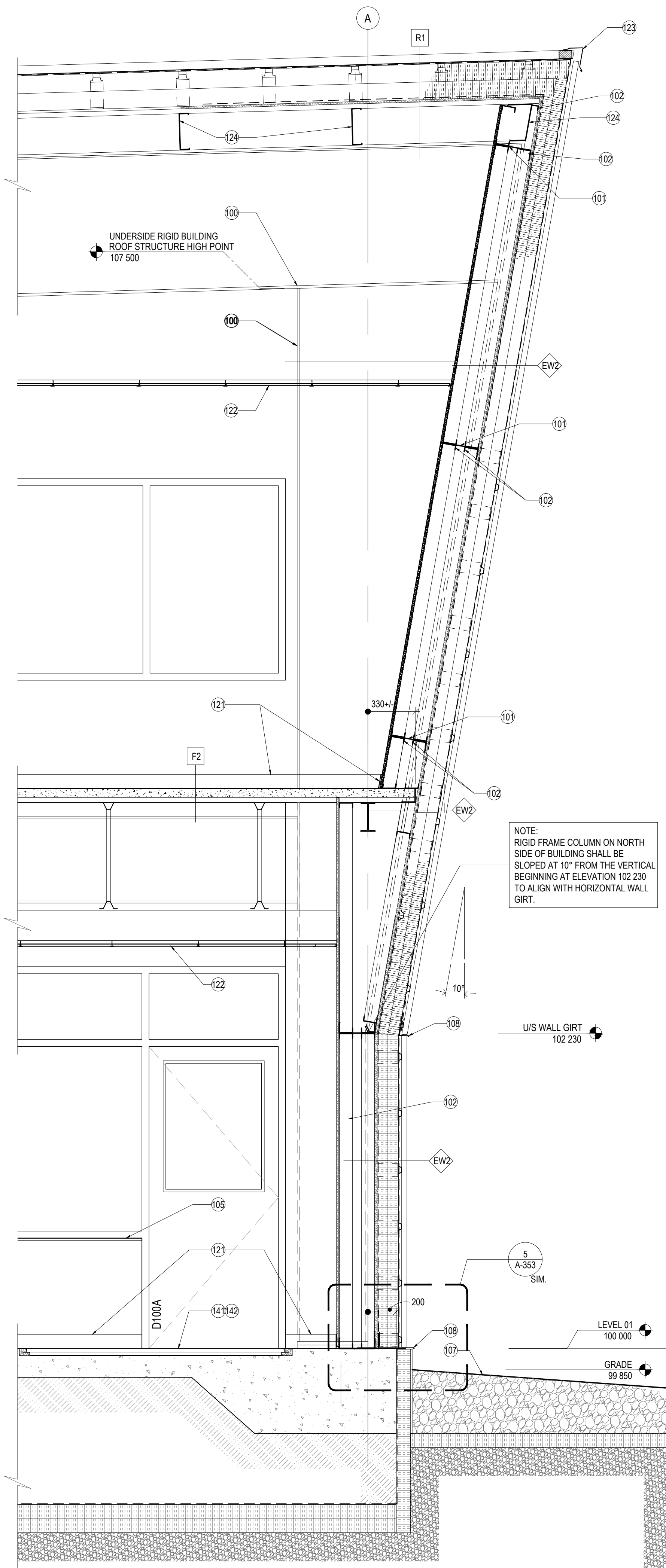
1549 FEDERAL ROAD
IQUALUIT, NUNAVUT
X0A 0H0

CLIENT PROJECT NO. 820837

TITLE:
WALL SECTIONS

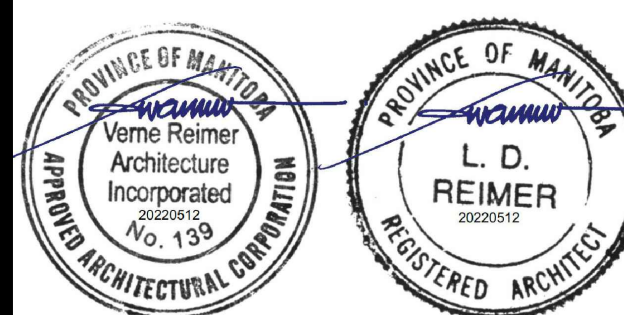
SCALE: AS INDICATED
PROJECT NUMBER: 2019.00800
DRAWN BY: KM

A350



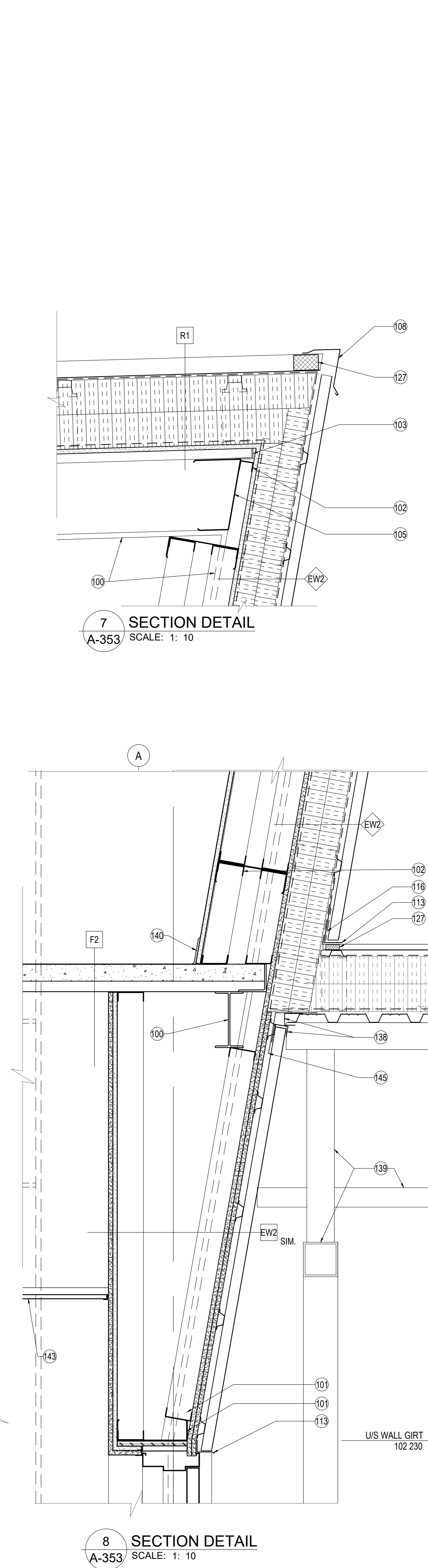
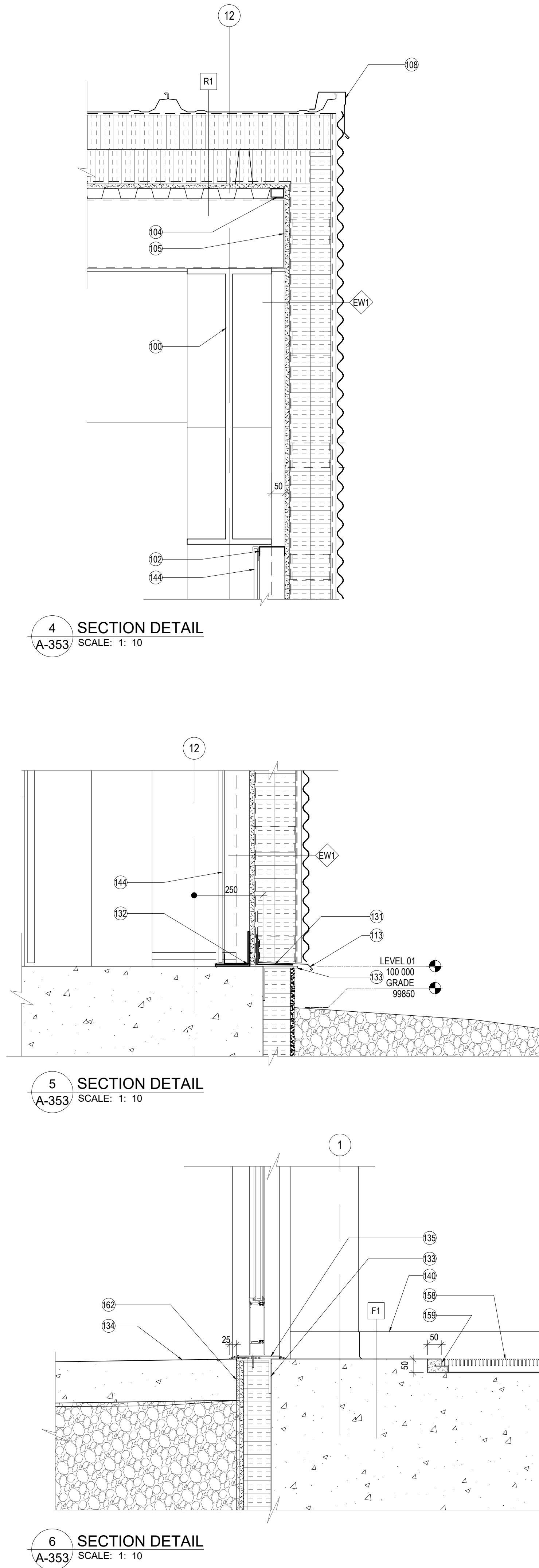
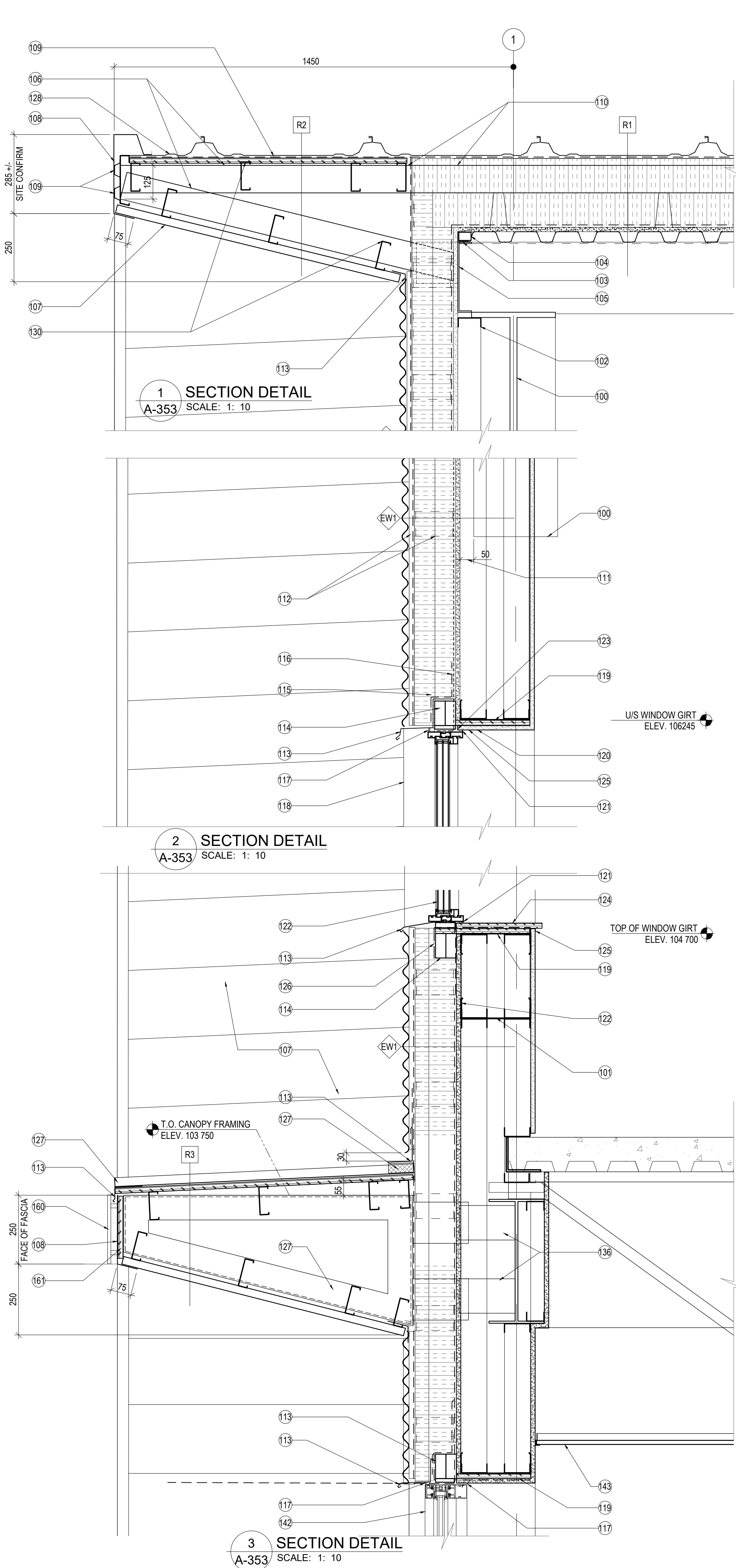
WALL SECTION KEYNOTES:

- 100 RIGID FRAME BUILDING STRUCTURE. REFER TO RIGID BUILDING SUPPLIER DRAWINGS
101 WALL GIRT BY RIGID FRAME BUILDING SUPPLIER. CONFIRM LOCATIONS NOT INDICATED ON ARCHITECTURAL DRAWINGS WITH SUPPLIER
102 STEEL STUD FURRING TO SUIT.
103 19mm PLYWOOD BLOCKING
104 FACE OF STUDS ALONG GRID LINES TO BE 50mm BEYOND EDGE OF PRE-ENG. BUILDING MAIN STEEL COLUMN AS SHOWN.
105 PLASTIC LAMINATE WINDOW SILL FINISH ON 19mm PLYWOOD BACKING
106 PRE-FINISHED METAL TRIM (BY ROOF PANEL SUPPLIER). TYPICAL FOR ENDWALL & SIDEWALL LOCATIONS.
107 NEW GRADE. REFER TO CIVIL DRAWINGS
108 PRE-FINISHED METAL DRIP FLASHING
109 WINDOW UNIT AS SPECIFIED
110 ROOF CANOPY CONNECTED TO RIGID FRAME ROOF SYSTEM. CONNECTION DETAILS BY RIGID FRAME BUILDING SUPPLIER
111 FRONT ENTRY CANOPY CONNECTED TO RIGID FRAME WALL SYSTEM. CONNECTION DETAILS BY RIGID FRAME BUILDING SUPPLIER
112 PRE-FINISHED METAL INSIDE CORNER TRIM FLASHING
113 CONT. 13mm THICK FLEXCELL (TYP.)
114 INTERIOR LINER PANEL C/W ALL CLIPS, TRIMS & FASTENERS.
115 LINE OF OVERHEAD DOOR TRACK BEYOND
116 OVERHEAD DOOR BEYOND
117 ENTRY SLAB (REFER TO STRUCTURAL)
118 100mm THICK X 2500mm WIDE RIGID INSULATION AROUND BUILDING PERIMETER - TYPICAL
119 GRANULAR FILL EXTENDING MINIMUM OF 2000MM BEYOND BUILDING FOOTPRINT - TYPICAL
120 CONT. SHELF ANGLE (REFER TO STRUCTURAL)
121 WALL BASE AS SPECIFIED. (REFER TO ROOM FINISH SCHEDULE)
122 SUSPENDED ACOUSTIC TILE CEILING
123 ROOF EDGE DRIP FLASHING (TYPICAL ALL AROUND BUILDING) C/W ATTACHMENT CLIPS SPACED AS PER SUPPLIER.
124 ROOF PURLIN (SPACING BY RIGID FRAME BUILDING SUPPLIER)
125 CONTINUOUS RIGID FRAME BASE ANGLE (BY RIGID BUILDING SUPPLIER)
126 FOR GRID LINES "1" AND "12", OUTSIDE FACE OF HORIZONTAL WALL GIRTS TO BE SET 50mm OUTSIDE OF RIGID FRAME FLANGE AS SHOWN
127 HOLLOW METAL DOOR & PRESSED STEEL FRAME ASSEMBLY. REFER TO DOOR SCHEDULE
128 NOTE DOUBLE LAYER OF GYPSUM BOARD ON LINK SIDE OF EXTERIOR WALL. REFER TO PLAN DETAIL 3 / A-400.
129 LOW SLOPE THRESHOLD EXTENDED 25mm OVER WALKWAY SLAB AS SHOWN. TYPICAL BOTH ENDS OF WALKWAY. REFER TO DRAWING SCHEDULE AND SPECIFICATIONS.
130 WALKWAY FRAMING (REFER TO STRUCTURAL DRAWINGS)
131 BENT STEEL PLATE OVERHEAD DOOR JAMB. SEE SHEET A-400
132 PRE-FINISHED DECORATIVE METAL PANELS AS SPECIFIED C/W ALL PRODUCT SPECIFIC TRIMS, FLASHINGS, FASTENERS, ETC.
133 PRE-FINISHED METAL INSULATED STEEL OVERHEAD DOOR. (REFER TO DOOR SCHEDULE)
134 CONTINUOUS STEEL ANGLE FLOOR PROTECTION SET INTO CONCRETE (REFER TO STRUCTURAL)
135 CONTINUOUS "U"-BAR AROUND PERIMETER OF ROOF INSULATION (TYPICAL)
136 FURRED OUT GYPSUM BOARD AROUND RIGID FRAME COLUMN BEYOND
137 GYPSUM BOARD RETURN. TYPICAL JAMBS & HEAD
138 PRE-FINISHED METAL CLOSURE TRIM OVER PLYWOOD. EXTEND INTO WINDOW ROUGH OPENING. SEAL WITH CONT. ROD & CAULK.
139 LOW SLOPE THRESHOLD. REFER TO DRAWING SCHEDULE & SPECIFICATIONS.
140 RECESSED SOFFIT LIGHTING (REFER TO REFLECTED CEILING PLANS AND ELECTRICAL)
141 RECESSED 1830 X 1830 FOOT GRILLE *CONFIRM RECESS SIZE REQUIREMENTS PRIOR TO FORMING. TYPICAL ALL LOCATIONS
142 SET FOOT GRILLE FRAME INTO HIGH RESISTANCE MODIFIED CEMENTITIOUS MORTAR AS PER MANUFACTURER'S DIRECTIONS
143 CEILING MOUNTED RADIANT HEATING PANEL. REFER TO REFLECTED CEILING PLANS & MECHANICAL DRAWINGS FOR LOCATIONS & SIZES.
144 STRUCTURAL SECTION SPANNING BETWEEN RIGID FRAME COLUMNS TO PROVIDE SUPPORT FOR OVERHEAD DOOR OPERATING SYSTEM. CONFIRM EXACT REQUIREMENTS WITH OVERHEAD DOOR SUPPLIER.
145 OVERHEAD DOOR WINDPOST BEYOND. TYPICAL BOTH SIDES
146 CABLE DRUM & HEADPLATE ASSEMBLY BY OVERHEAD DOOR SUPPLIER. CONFIRM EXACT LOCATION & MOUNTING REQUIREMENTS WITH SUPPLIER.

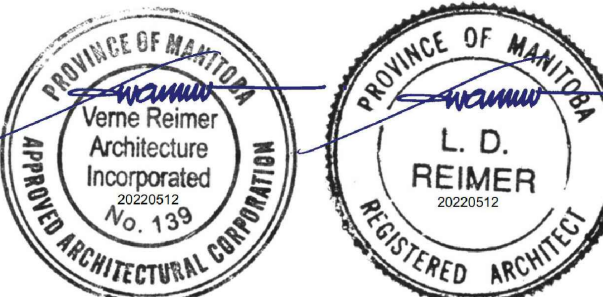


	22/05/12	ISSUED FOR CONSTRUCTION
	22/04/29	ISSUED FOR PRE TENDER REVIEW
	21/03/26	ISSUED FOR CLIENT REVIEW (100%)
	21/01/25	ISSUED FOR CLASS A ESTIMATE
00	20/03/11	ISSUED FOR OWNER REVIEW
	19/11/19	ISSUED FOR CLASS C ESTIMATE
REV	DATE	DESCRIPTION

- SECTION DETAIL KEYNOTES:
- RIGID FRAME BUILDING STRUCTURE. REFER TO RIGID BUILDING SUPPLIER DRAWINGS.
 - WALL GIRT BY RIGID FRAME BUILDING SUPPLIER. CONFIRM LOCATIONS NOT INDICATED ON ARCHITECTURAL DRAWINGS WITH SUPPLIER.
 - STEEL STUD FURRING TO SUIT.
 - CONTINUOUS PERIMETER DECK ANGLE (BY RIGID BUILDING SUPPLIER)
 - SOLID BLOCKING IN ROOF DECK FLUTE (TYPICAL)
 - PERIMETER ROOF PURLIN (BY RIGID BUILDING SUPPLIER)
 - 102mm STEEL CHANNEL OUTRIGGER FOR SUPPORTING EXTERIOR UPPER CANOPY. CHANNELS TO BE LOCATED OVER EACH ROOF PURLIN LOCATION & FASTENED THROUGH 13mm PLYWOOD TO PURLIN. PROVIDE BLOCKING AS REQUIRE IN ROOF DECK FLUTES AT FASTENING LOCATIONS (TYPICAL)
 - PRE-FINISHED METAL DECORATIVE FLAT PANEL FACE OF CANOPY & FIN WALL
 - ROOF EDGE DRIP FLASHING (TYPICAL ALL AROUND BUILDING) C/W ATTACHMENT CLIPS SPACED AS PER SUPPLIER
 - CONTINUOUS 22mm HEAVY GAUGE FURRING CHANNELS @ FACE OF CANOPY FRAMING. TYPICAL HORIZONTAL & VERTICAL APPLICATIONS.
 - 13mm EXTERIOR GRADE PLYWOOD AROUND PERIMETER OF ROOF. PLYWOOD TO EXTEND 610mm INWARD FROM EDGE OF PERIMETER ROOF PURLIN AND OUTBOARD OF PURLIN TO BE FLUSH WITH OUTER FACE OF EXTERIOR WALL INSULATION (TYP.)
*NOTE: 150mm WIDE STRIP OF PLYWOOD TO EXTEND FULL LENGTH OF ROOF CANOPY SUPPORT CHANNELS CENTRED OVER ROOF PURLINS BELOW. REFER TO NOTE 106.
 - FACE OF STUDS ALONG GRID LINES TO BE 50mm BEYOND EDGE OF PRE-ENG. BUILDING MAIN STEEL COLUMN AS SHOWN.
 - THERMALLY BROKEN WALL TIE C/W VERTICAL OR HORIZONTAL HAT CHANNELS. REFER TO DRAWING A-200 FOR BUILDING ELEVATIONS.
 - PRE-FINISHED METAL FLASHING. NOTE: FOR EXTERIOR FLASHING AT LINK, CURVE FLASHING TO SUIT RADIUS OF LINK.
 - 2 - 38 X 89 WOOD CONTINUOUS BLOCKING AROUND WINDOW & DOOR OPENINGS (TYPICAL UNO)
 - PROVIDE ADDITIONAL 300mm VAPOUR BARRIER OVER CONTINUOUS BLOCKING
 - LAP WALL AIR BARRIER OVER ADDITIONAL VAPOUR BARRIER STRIP. (TYPICAL)
 - CONTINUOUS ROD & CAULK
 - PRE-FINISHED METAL WINDOW JAMB TRIM BEYOND (TYPICAL).
 - CONT. 19mm PLYWOOD BLOCKING AROUND WINDOW OPENING (TYPICAL)
 - GYPSUM BOARD RETURN ON HEAD & JAMBS (TYPICAL). MIN. 10mm BEOND BACK EDGE OF WINDOW FRAME.
 - CONTINUOUS ROD & CAULK.
 - ALUMINUM WINDOW SYSTEM AS SPECIFIED C/W BLOCKING AS REQUIRED.
 - LAP & SEAL WINDOW VAPOUR BARRIER TO WALL VAPOUR BARRIER. FILL ROUGH OPENING WITH CLOSED CELL SPRAY FOAM INSULATION. PROVIDE SHIMS / BLOCKING AS REQUIRED.
 - PLASTIC LAMINATE ON 19mm PLYWOOD SILL. FRONT & SIDE EDGES TO BE CLAD WITH PLASTIC LAMINATE.
 - CONTINUOUS "J" MOLD AT EXPOSED GYPSUM BOARD EDGES. FILL TAPE & SAND. TYPICAL. PAINT FINISH
 - APPLY ADDITIONAL LAYER WALL VAPOUR BARRIER OVER SILL BLOCKING AS SHOWN. DO NOT APPLY V.B. TO UNDERSIDE OF BLOCKING. TYPICAL ALL CONDITIONS.
 - CONT. 16mm EXTERIOR GRADE PLYWOOD AROUND PERIMETER OF ROOF. PLYWOOD EXTENDS OVER ROOF 600mm FROM EXTERIOR FACE OF INFILL STEEL STUD FRAMING & EXTENDS OUTWARD TO SUIT WALL CONSTRUCTION. TYPICAL ALL AROUND EXCEPT AT FRONT CANOP
 - ROOF EDGE FLASHING WITH CONT. DRIP EDGE.
 - ENCLOSE STEEL BEAM WITH 16mm GYPSUM BOARD ON STEEL STUD FRAMING FOR 2 STOREY OPEN SPACE BETWEEN GRID LINES "A" AND "B".
 - 92mm STEEL STUD FRAMING @ 400mm O/C BETWEEN CANOPY CHANNEL OUTRIGGERS FASTENED BACK TO CONTINUOUS STEEL STUD TRACK AT FACE OF EXTERIOR GYPSUM BOARD AS SHOWN. CUT WALL INSULATION TIGHT TO FIT. TYPICAL
 - LAP & SEAL ADDITIONAL 250mm CONT. AIR BARRIER OVER BASE FLASHING (TYPICAL).
 - RIGID BUILDING BASE ANGLE
 - CONTINUOUS SHELF ANGLE (REFER TO STRUCTURAL)
 - CONCRETE ENTRY SLAB (REFER TO STRUCTURAL)
 - LOW SLOPE THRESHOLD (REFER TO DOOR HARDWARE SCHEDULE)
 - NON- RIGID FRAME BUILDING STEEL FRAMING (REFER TO STRUCTURAL)
 - STEEL FRAME CANOPY SUPPORTS ANCHORED BACK TO STEEL BEAM (REFER TO STRUCTURAL). INSTALL & SEAL ADDITIONAL 250mm WIDE AIR BARRIER AROUND CANOPY SUPPORT PENETRATION THRU GYPSUM BOARD. TYPICAL ALL LOCATIONS.
 - PRE-FINISHED METAL CLOSURE TRIM. TRIM / CURVE TO MATCH PROFILE OF WALKWAY. (TYPICAL BOTH ENDS OF WALKWAY)
 - WALKWAY FRAMING (REFER TO STRUCTURAL).
 - WALL BASE AS SPECIFIED.
 - 22mm FURRING CHANNELS @ 300mm O/C FOR FLAT PANEL SOFFIT SUPPORT
 - EXTERIOR DOOR SYSTEM (SEE DOOR SCHEDULE).
 - SUSPENDED CEILING AS PER ROOM FINISH SCHEDULE.
 - INTERIOR LINER PANEL C/W ALL CLIPS, TRIMS & FASTENERS.
 - PRE-FINISHED METAL 300mm WIDE TRANSITION STRIP BETWEEN ANGLED / VERTICAL WALLS OF NEW BUILDING AND CURVED WALL OF WALKWAY. *NOTCH / SEGMENT AS REQUIRED AND FASTEN TO WALL FURRING.
 - 200mm x 200mm HSS DOOR HEAD CONNECTED TO OVERHEAD DOOR WINDPOSTS EACH SIDE (TYPICAL)
 - 135mm x 100mm x 9mm BENT STEEL DOOR JAMB & HEAD (TYPICAL AT OVERHEAD DOOR LOCATIONS).
 - SPRAY FOAM INSULATION IN VOID (TYPICAL).
 - CONT. 50mm x 75mm STEEL ANGLE FASTENED TO TOP OF 200 X 200 HSS TO SUPPORT SOFFIT FRAMING
 - STEEL STUD SOFFIT FRAMING TO SUIT
 - ALIGN TOP OF GYPSUM BOARD AT SOFFIT WITH UNDERSIDE WALL GIRT. TYPICAL FOR OVERHEAD DOORS
 - RECESSED SOFFIT LIGHTING (REFER TO REFLECTED CEILING PLANS AND ELECTRICAL)
 - LAP & SEAL WALL / SOFFIT VAPOUR BARRIER TO CONT. HSS HEADER (TYPICAL)
 - SOLID WOOD BLOCKING
 - INSULATED OVERHEAD DOOR
 - STEEL EXIT STAR BEYOND. REFER TO FLOOR PLANS & LARGE SCALE FLOOR PLANS
 - STRUCTURAL STEEL ANGLE BELOW 2ND FLOOR EXIT DOOR THRESHOLD. REFER TO STRUCTURAL
 - RECESSED 1830mm x 1830mm FOOT GRILLE. CONFIRM RECESS SIZE REQUIREMENTS PRIOR TO FORMING. TYPICAL ALL LOCATIONS.
 - SET FOOT GRILLE FRAME INTO HIGH RESISTANCE MODIFIED CEMENTITIOUS MORTAR AS PER MANUFACTURER'S DIRECTIONS.
 - SIGNAGE AS SPECIFIED C/W 25mm STUDS FOR OFFSET OF SIGNAGE FROM FACE OF FASCIA PANEL. CAULK ALL PENETRATIONS OF FASCIA - TYPICAL).
 - PRESSURE TREATED PLYWOOD BEHIND SIGNAGE TO EXTEND 150mm BEYOND EACH END OF SIGNAGE. NOTE PLYWOOD THICKNESS IS TO MATCH DEPTH OF ADJACENT FASCIA FURRING BARS. REFER TO KEYNOTE 109
 - 13mm FLEXCELL
 - CONT. SBS MODIFIED BITUMEN ROOF SEALANT
 - 1220mm LONG X 102mm HIGH Z-BAR FASTENED THRU ROOF SHEATHING TO PURLIN BELOW. TYPICAL ALONG ROOF PERIMETER EXCEPT ON ROOF OVERHANG



PERMIT / STAMP



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CLIENT

CITY OF IQALUIT
OPERATIONS CENTRE

1549 FEDERAL ROAD
IQALUIT, NUNAVUT
X0A 0H0

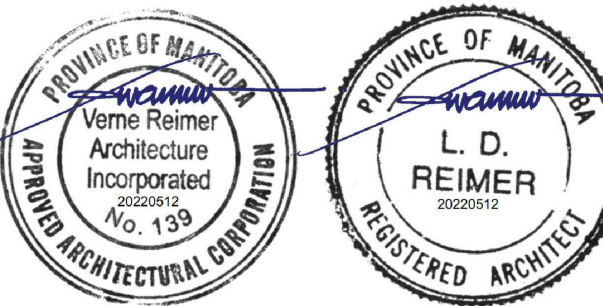
CLIENT PROJECT NO. 820837

TITLE:

LARGE SCALE SECTION DETAILS

SCALE: AS INDICATED
PROJECT NUMBER: 2019.00800
DRAWN BY: KM

A353



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	21/03/26	ISSUED FOR CLIENT REVIEW (100%)
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00	20/03/11	ISSUED FOR OWNER REVIEW
	19/11/19	ISSUED FOR CLASS C ESTIMATE
REV	DATE	DESCRIPTION

CLIENT

CITY OF IQUALUIT
IQUALUIT, Nunavut
OPERATIONS CENTRE

1549 FEDERAL ROAD
IQUALUIT, Nunavut
XOA 0H0

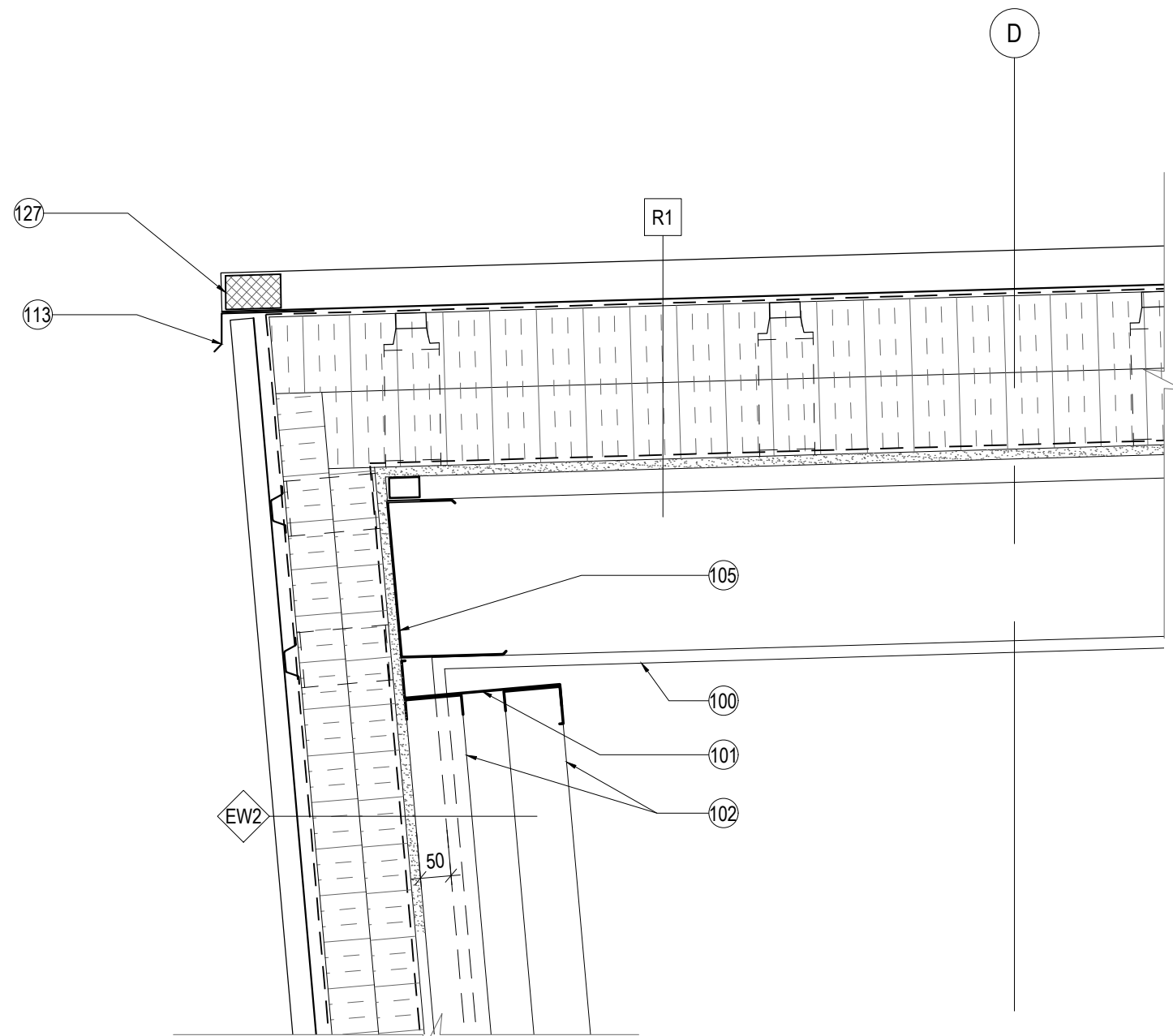
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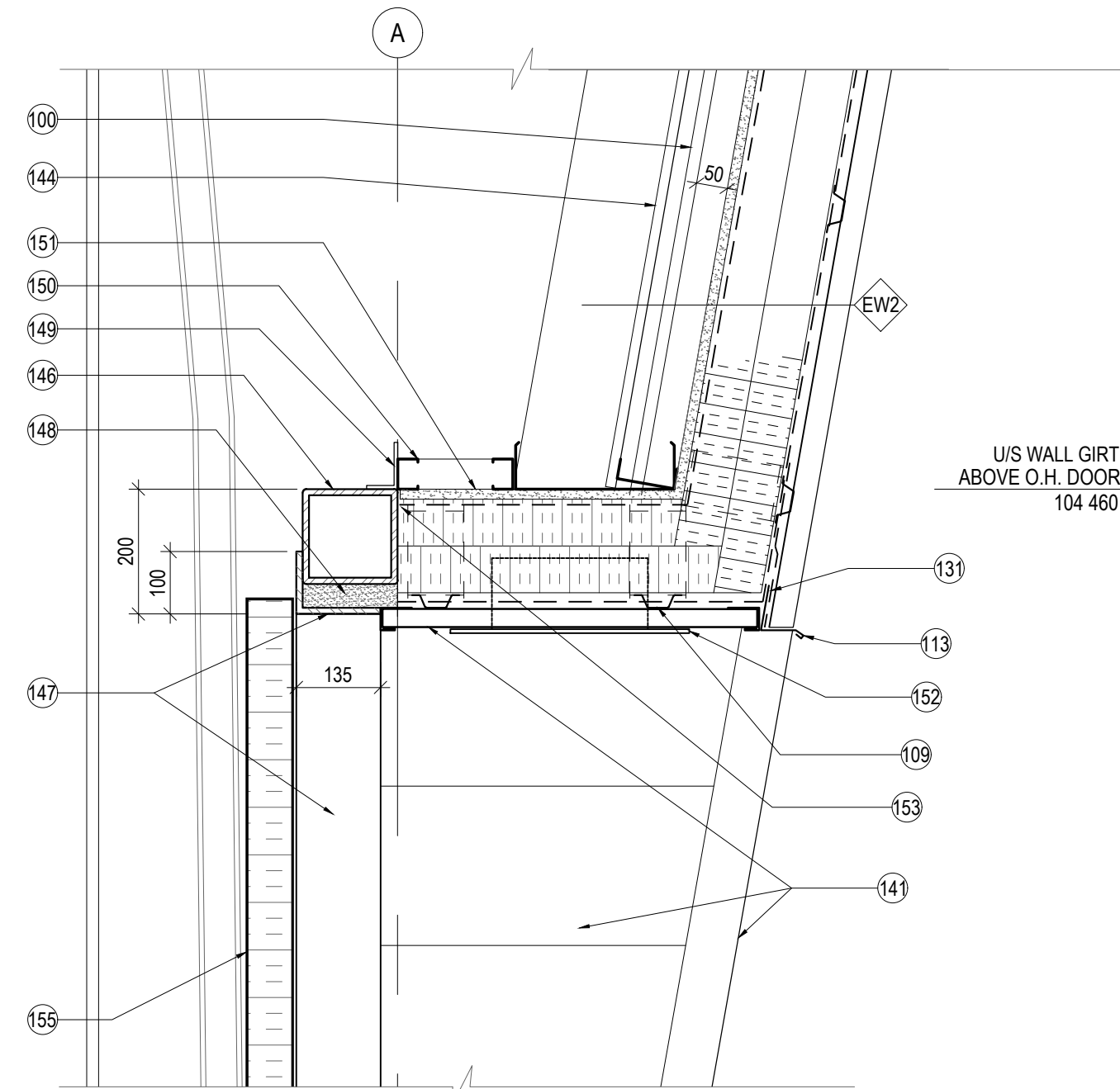
LARGE SCALE SECTION DETAILS

SCALE: AS INDICATED
PROJECT NUMBER: 2019.00800
DRAWN BY: KM

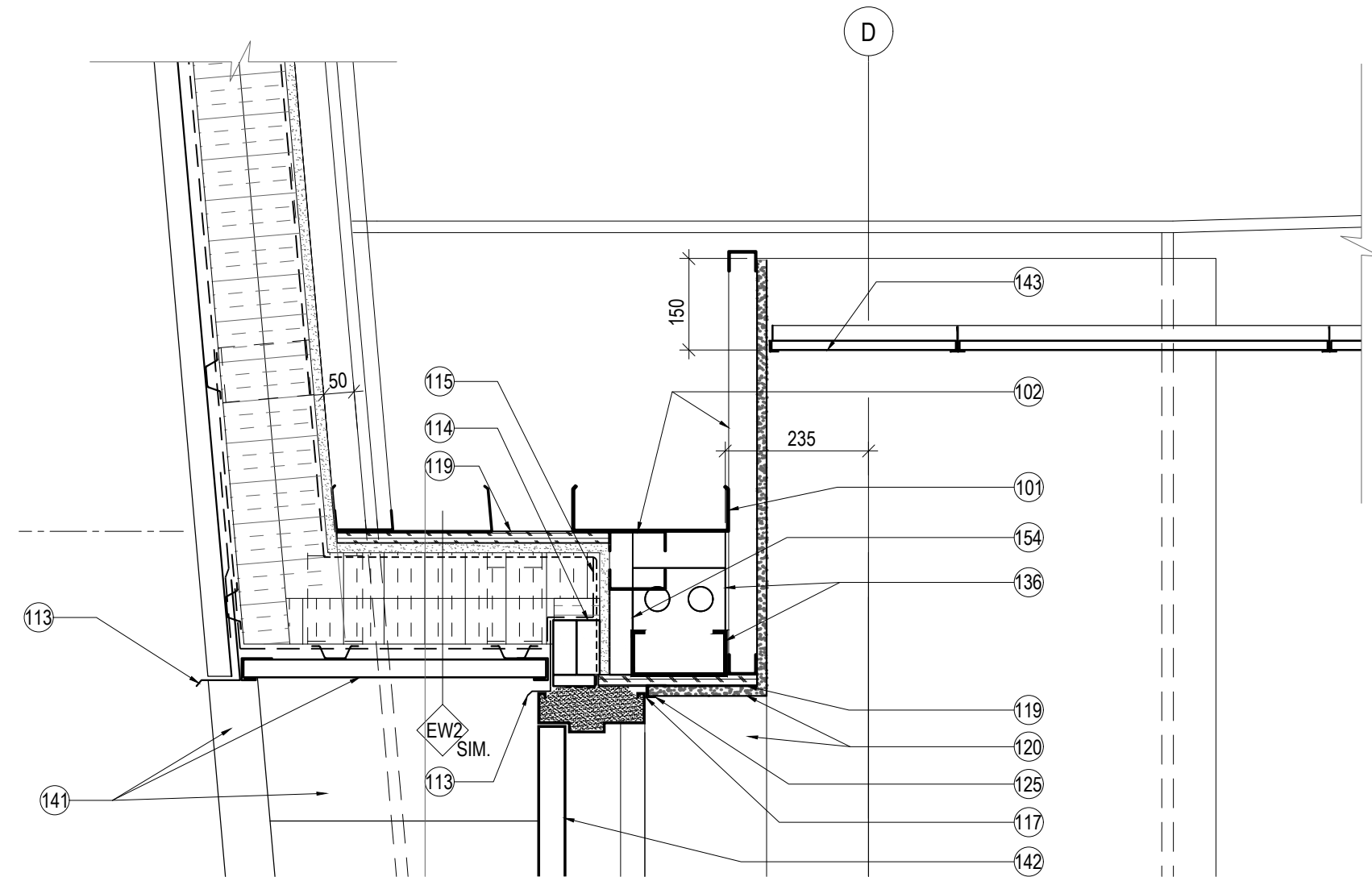
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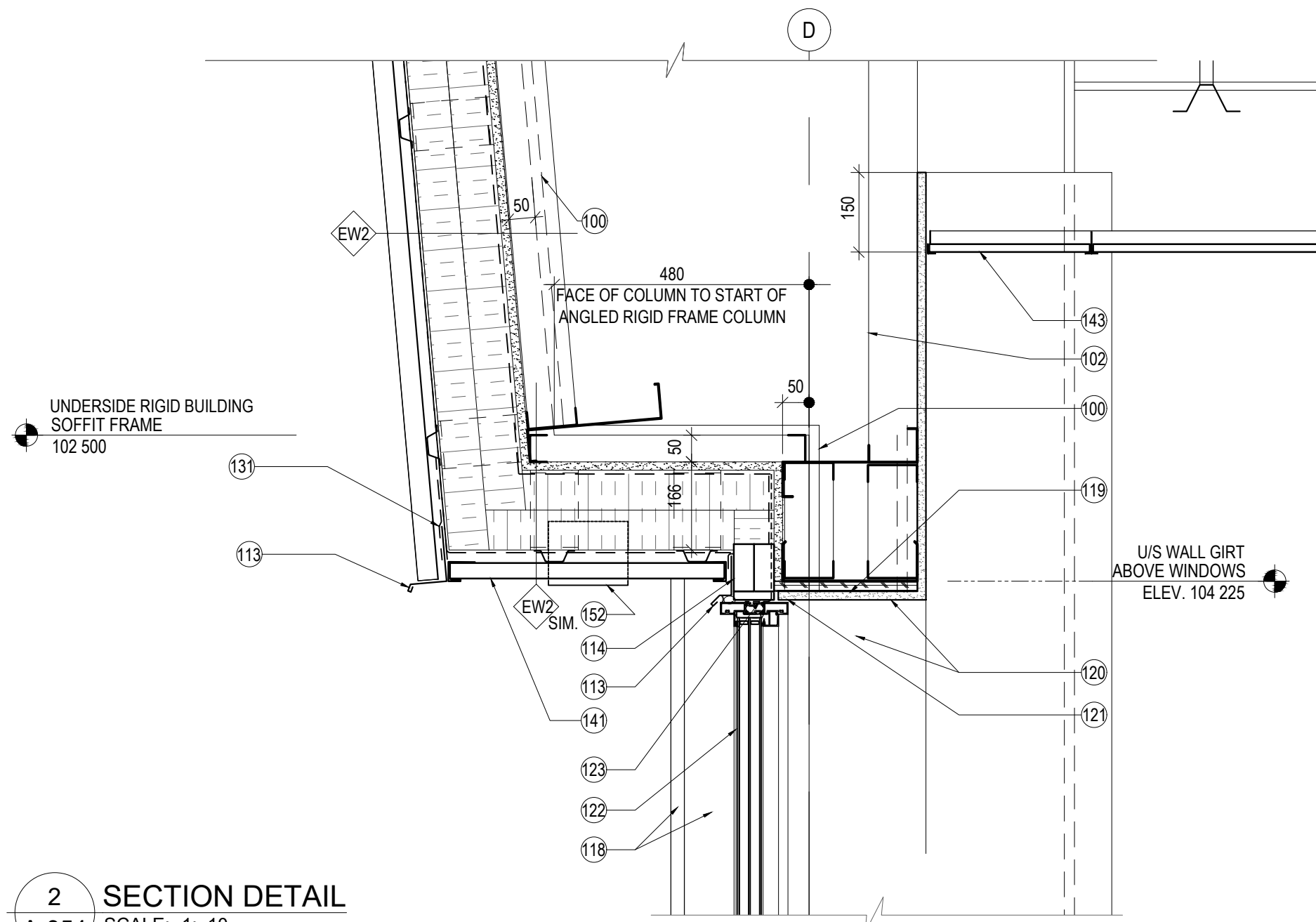
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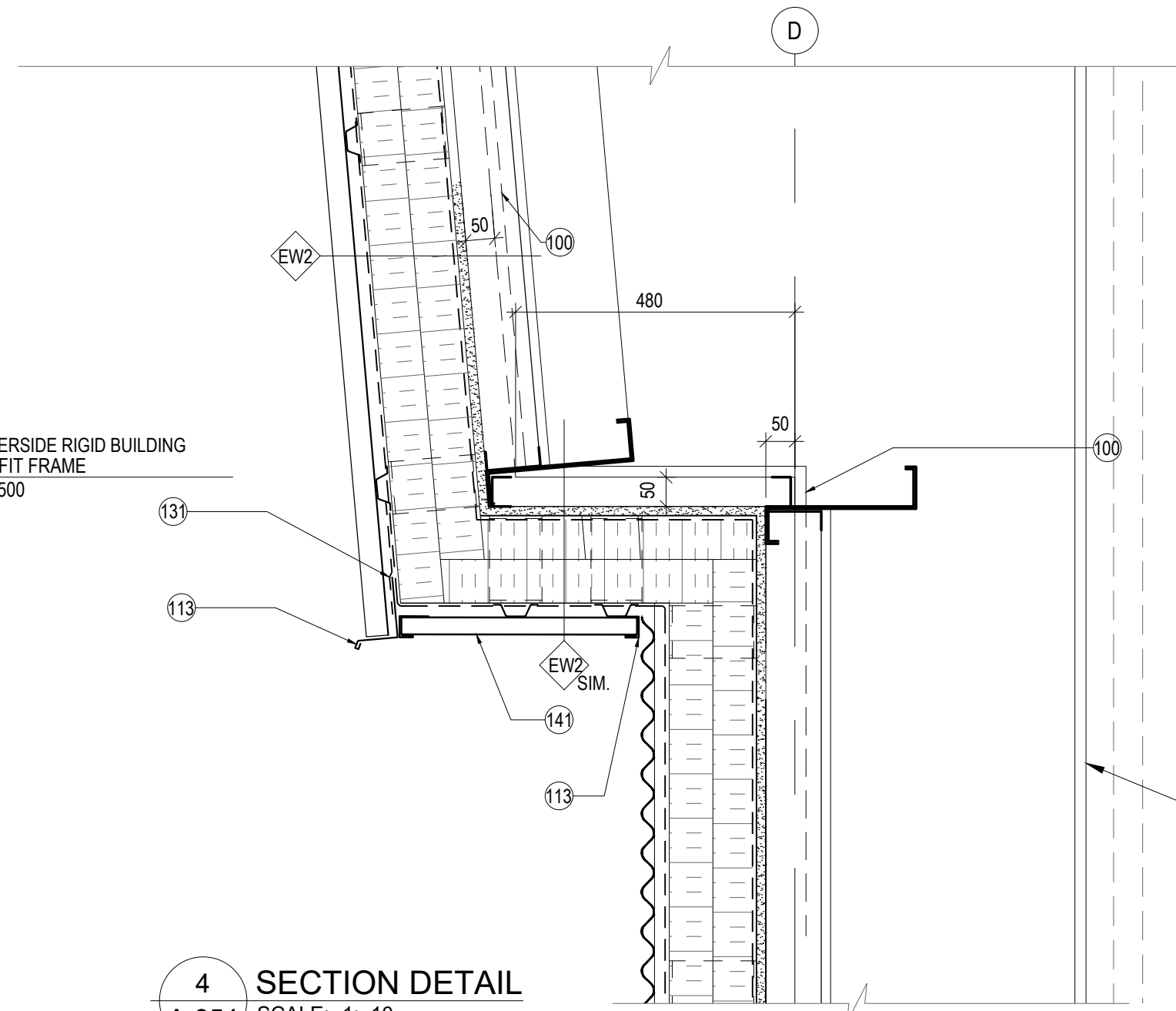
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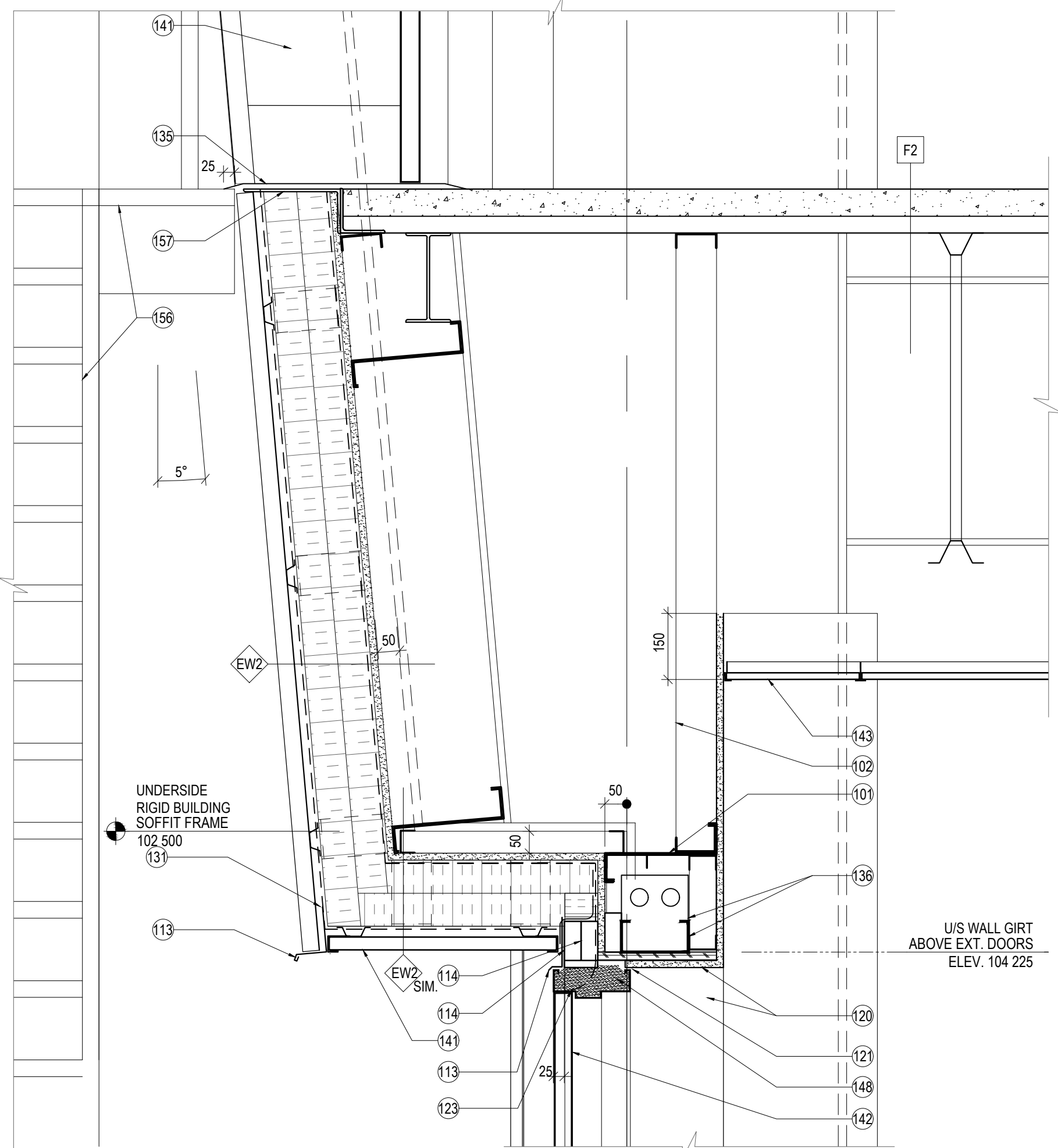
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2 SECTION DETAIL
A-354 SCALE: 1: 10



4 SECTION DETAIL
A-354 SCALE: 1: 10



6 SECTION DETAIL
A-354 SCALE: 1: 10

SECTION DETAIL KEYNOTES:

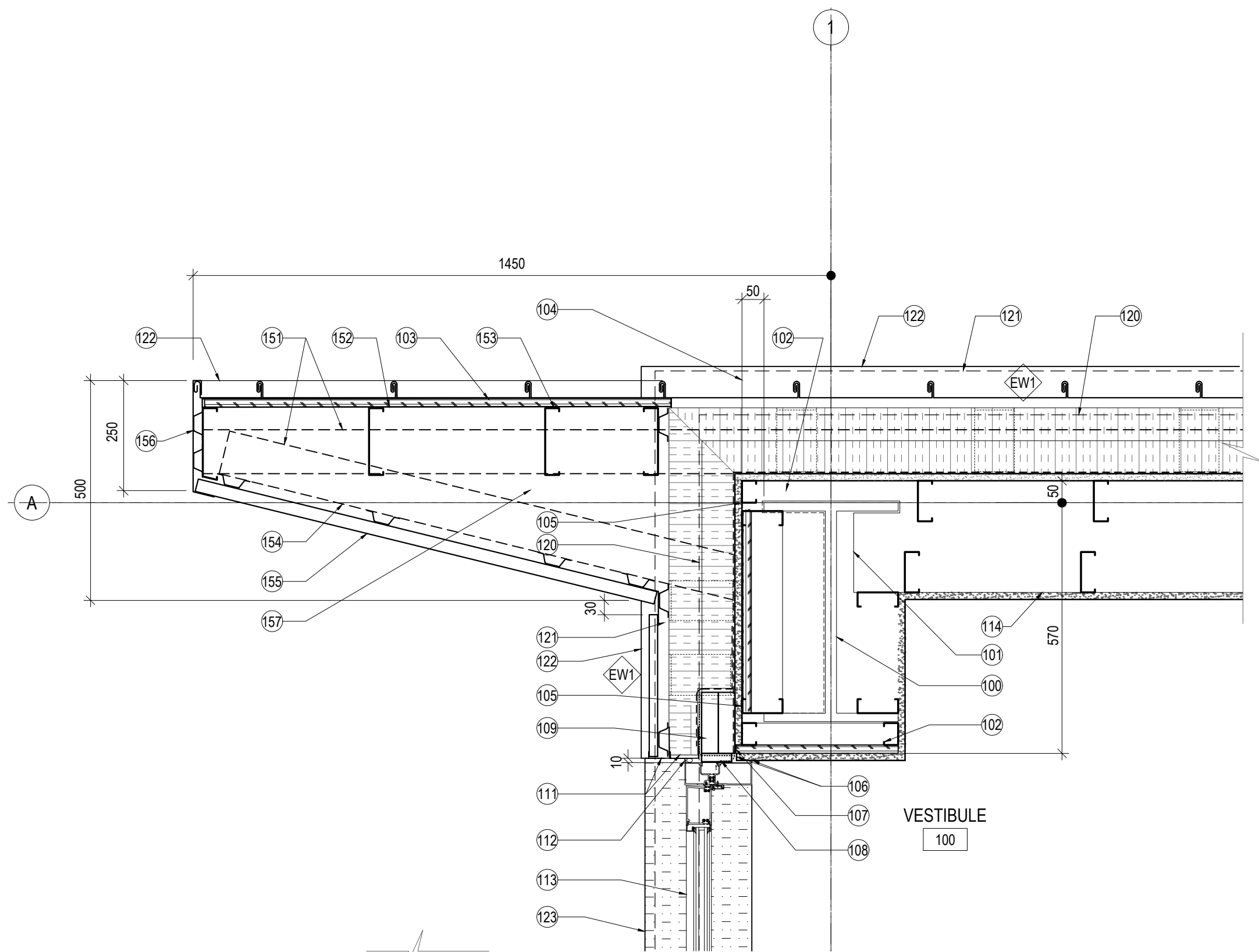
- 100 RIGID FRAME BUILDING STRUCTURE. REFER TO RIGID BUILDING SUPPLIER DRAWINGS.
101 WALL GIRT BY RIGID FRAME BUILDING SUPPLIER. CONFIRM LOCATIONS NOT INDICATED ON ARCHITECTURAL DRAWINGS WITH SUPPLIER
102 STEEL STUD FURRING TO SUIT.
103 CONTINUOUS PERIMETER DECK ANGLE (BY RIGID BUILDING SUPPLIER)
104 SOLID BLOCKING IN ROOF DECK FLUTE (TYPICAL)
105 PERIMETER ROOF PURLIN (BY RIGID BUILDING SUPPLIER)
106 102mm STEEL CHANNEL OUTRIGGER FOR SUPPORTING EXTERIOR UPPER CANOPY. CHANNELS TO BE LOCATED OVER EACH ROOF PURLIN LOCATION & FASTENED THROUGH 13mm PLYWOOD TO PURLIN. PROVIDE BLOCKING AS REQUIRE IN ROOF DECK FLUTES AT FASTENING LOCATIONS (TYPICAL)
107 PRE-FINISHED METAL DECORATIVE FLAT PANEL FACE OF CANOPY & FIN WALL
108 ROOF EDGE DRIP FLASHING (TYPICAL ALL AROUND BUILDING) C/W ATTACHMENT CLIPS SPACED AS PER SUPPLIER.
109 CONTINUOUS 22mm HEAVY GAUGE FURRING CHANNELS @ FACE OF CANOPY FRAMING. TYPICAL HORIZONTAL & VERTICAL APPLICATIONS.
110 13mm EXTERIOR GRADE PLYWOOD AROUND PERIMETER OF ROOF. PLYWOOD TO EXTEND 610mm INWARD FROM EDGE OF PERIMETER ROOF PURLIN AND OUTBOARD OF PURLIN TO BE FLUSH WITH OUTER FACE OF EXTERIOR WALL INSULATION (TYP.)
NOTE: 150mm WIDE STRIP OF PLYWOOD TO EXTEND FULL LENGTH OF ROOF CANOPY SUPPORT CHANNELS CENTRED OVER ROOF PURLINGS BELOW. REFER TO NOTE 106.
111 FACE OF STUDS ALONG GRID LINES TO BE 50mm BEYOND EDGE

- OF PRE-ENG. BUILDING MAIN STEEL COLUMN AS SHOWN.
112 THERMALLY BROKEN WALL TIE C/W VERTICAL OR HORIZONTAL HAT CHANNELS. REFER TO DRAWING A200 FOR BUILDING ELEVATIONS.
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114 2-38 X 89 WOOD CONTINUOUS BLOCKING AROUND WINDOW & DOOR OPENINGS (TYPICAL UNO)
115 PROVIDE ADDITIONAL 300mm VAPOUR BARRIER OVER CONTINUOUS BLOCKING
116 LAP WALL AIR BARRIER OVER ADDITIONAL VAPOUR BARRIER STRIP (TYPICAL)
117 CONTINUOUS ROD & CAULK
118 PRE-FINISHED METAL WINDOW JAMB TRIM BEYOND (TYPICAL).
119 CONT. 19mm PLYWOOD BLOCKING AROUND WINDOW OPENING (TYPICAL)
120 GYPSUM BOARD RETURN ON HEAD & JAMBS (TYPICAL). MIN. 10mm BEYOND BACK EDGE OF WINDOW FRAME.
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123 LAP & SEAL WINDOW VAPOUR BARRIER TO WALL VAPOUR BARRIER. FILL ROUGH OPENING WITH CLOSED CELL SPRAY FOAM INSULATION. PROVIDE SHIMS / BLOCKING AS REQUIRED.
124 PLASTIC LAMINATE ON 9mm PLYWOOD SILL. FRONT & SIDE EDGES TO BE CLAD WITH PLASTIC LAMINATE
125 CONTINUOUS "J" MOLD AT EXPOSED GYPSUM BOARD EDGES. FILL, TAPE & SAND. TYPICAL. PAINT FINISH

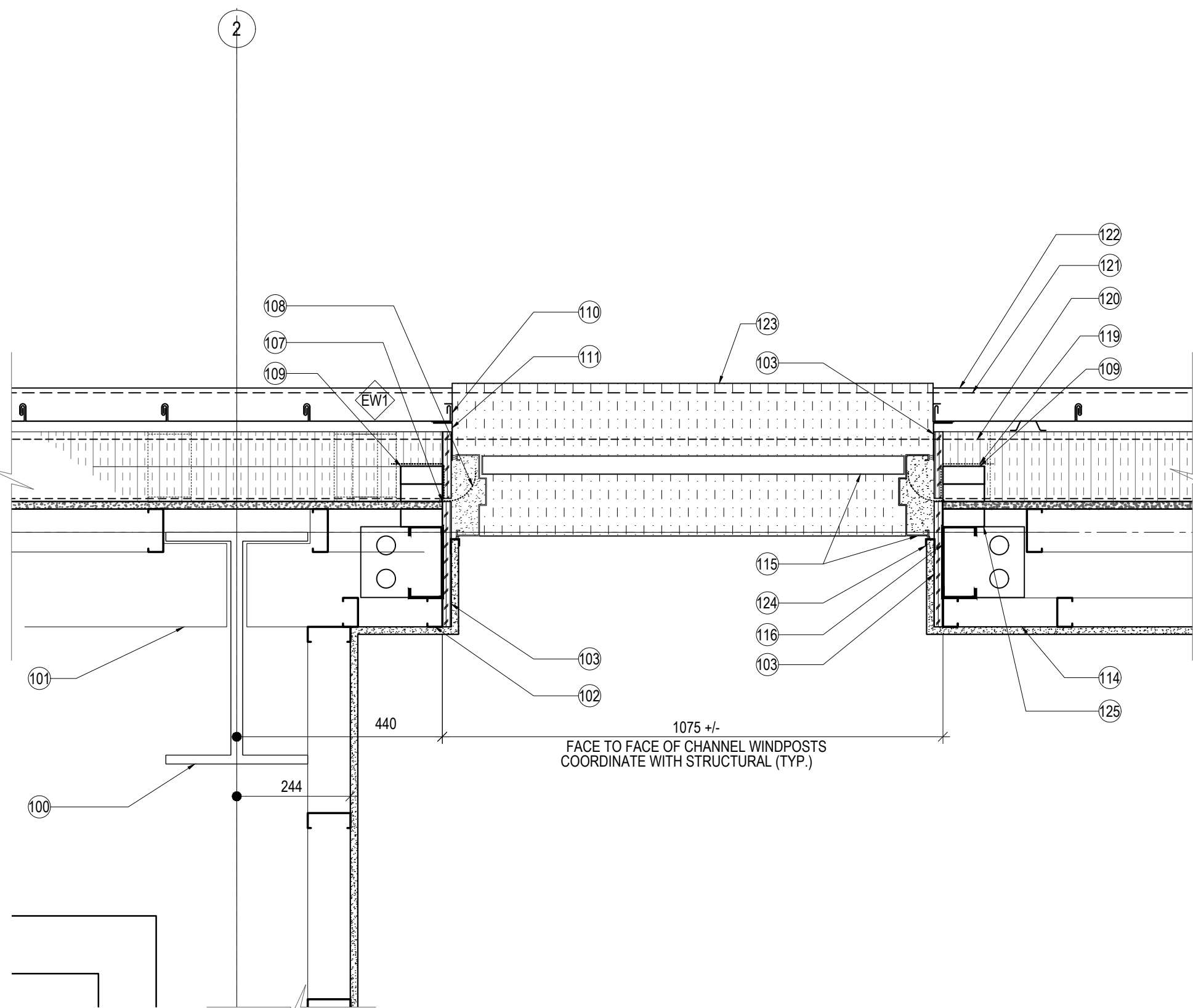
- 126 APPLY ADDITIONAL LAYER WALL VAPOUR BARRIER OVER SILL BLOCKING AS SHOWN. DO NOT APPLY V.B. TO UNDERSIDE OF BLOCKING. TYPICAL ALL CONDITIONS.
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128 ROOF EDGE FLASHING WITH CONT. DRIP EDGE.
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130 92mm STEEL STUD FRAMING @ 400mm O/C BETWEEN CANOPY CHANNEL OUTRIGGERS FASTENED BACK TO CONTINUOUS STEEL STUD TRACK AT FACE OF EXTERIOR GYPSUM BOARD AS SHOWN. CUT WALL INSULATION TIGHT TO FIT. TYPICAL
131 LAP & SEAL ADDITIONAL 250mm CONT. AIR BARRIER OVER BASE FLASHING (TYPICAL).
132 RIGID BUILDING BASE ANGLE
133 CONTINUOUS SHELF ANGLE (REFER TO STRUCTURAL)
134 CONCRETE ENTRY SLAB (REFER TO STRUCTURAL)
135 LOW SLOPE THRESHOLD (REFER TO DOOR HARDWARE SCHEDULE)
136 NON-RIGID FRAME BUILDING STEEL FRAMING (REFER TO STRUCTURAL)
137 STEEL FRAME CANOPY SUPPORTS ANCHORED BACK TO STEEL BEAM (REFER TO STRUCTURAL). INSTALL & SEAL ADDITIONAL 250mm WIDE AIR BARRIER AROUND CANOPY SUPPORT

- PENETRATION THRU GYPSUM BOARD. TYPICAL ALL LOCATIONS.
138 PRE-FINISHED METAL CLOSURE TRIM. TRIM / CURVE TO MATCH PROFILE OF WALKWAY. (TYPICAL BOTH ENDS OF WALKWAY)
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145 PRE-FINISHED METAL 300mm WIDE TRANSITION STRIP BETWEEN ANGLED / VERTICAL WALLS OF NEW BUILDING AND CURVED WALL OF WALKWAY. "NOTCH" / SEGMENT AS REQUIRED AND FASTEN TO WALL FURRING.
146 200mm x 200mm HSS DOOR HEAD CONNECTED TO OVERHEAD DOOR WINDPOSTS EACH SIDE (TYPICAL)
147 135mm x 100mm x 9mm BENT STEEL DOOR JAMB & HEAD (TYPICAL AT OVERHEAD DOOR LOCATIONS).
148 SPRAY FOAM INSULATION IN VOID (TYPICAL).
149 CONT. 50mm x 75mm STEEL ANGLE FASTENED TO TOP OF 200 X 200 HSS TO SUPPORT SOFFIT FRAMING
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151 ALIGN TOP OF GYPSUM BOARD AT SOFFIT WITH UNDERSIDE WALL GIRT. TYPICAL FOR OVERHEAD DOORS
152 RECESSED SOFFIT LIGHTING (REFER TO REFLECTED CEILING PLANS AND ELECTRICAL)
153 LAP & SEAL WALL / SOFFIT VAPOUR BARRIER TO CONT. HSS HEADER (TYPICAL)
154 SOLID WOOD BLOCKING

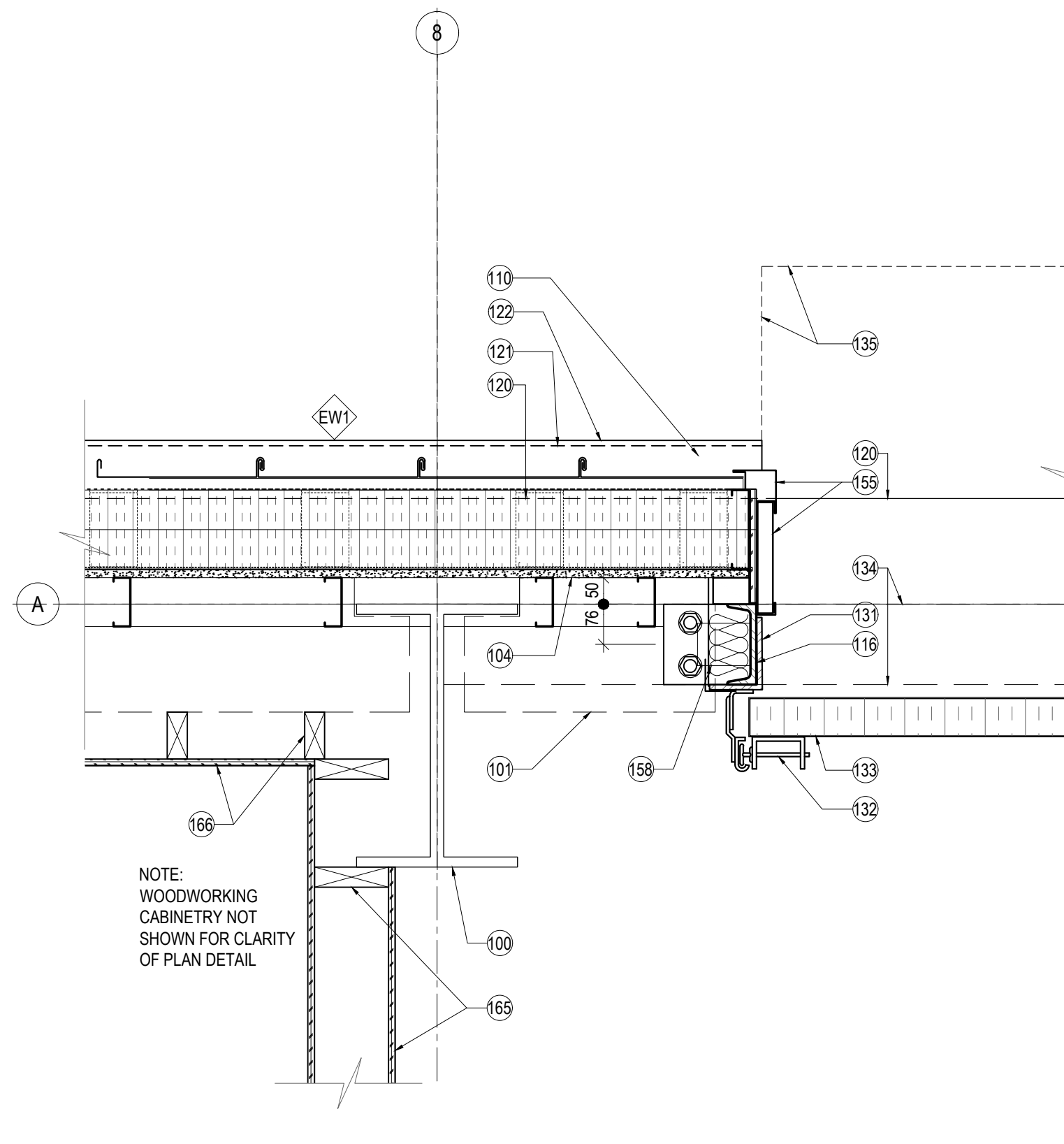
- 155 INSULATED OVERHEAD DOOR
156 STEEL EXIT STAIR BEYOND. REFER TO FLOOR PLANS & LARGE SCALE FLOOR PLANS
157 STRUCTURAL STEEL ANGLE BELOW 2ND FLOOR EXIT DOOR THRESHOLD. REFER TO STRUCTURAL
158 RECESSED 1830mm x 1830mm FOOT GRILLE. CONFIRM RECESS SIZE REQUIREMENTS PRIOR TO FORMING. TYPICAL ALL LOCATIONS.
159 SET FOOT GRILLE FRAME INTO HIGH RESISTANCE MODIFIED CEMENTITIOUS MORTAR AS PER MANUFACTURER'S DIRECTIONS. SIGNAGE AS SPECIFIED C/W 25mm STUDS FOR OFFSET OF SIGNAGE FROM FACE OF FASCIA PANEL. CAULK ALL PENETRATIONS OF FASCIA - TYPICAL).
161 PRESSURE TREATED PLYWOOD BEHIND SIGNAGE TO EXTEND 150mm BEYOND EACH END OF SIGNAGE. NOTE PLYWOOD THICKNESS IS TO MATCH DEPTH OF ADJACENT FASCIA FURRING BARS. REFER TO KEYNOTE 109
162 13mm FLEXCELL
163 CONT. SBS MODIFIED BITUMEN ROOF SEALANT
164 1220mm LONG X 102mm HIGH Z-BAR FASTENED THRU ROOF SHEATHING TO PURLIN BELOW. TYPICAL ALONG ROOF PERIMETER EXCEPT ON ROOF OVERHANG



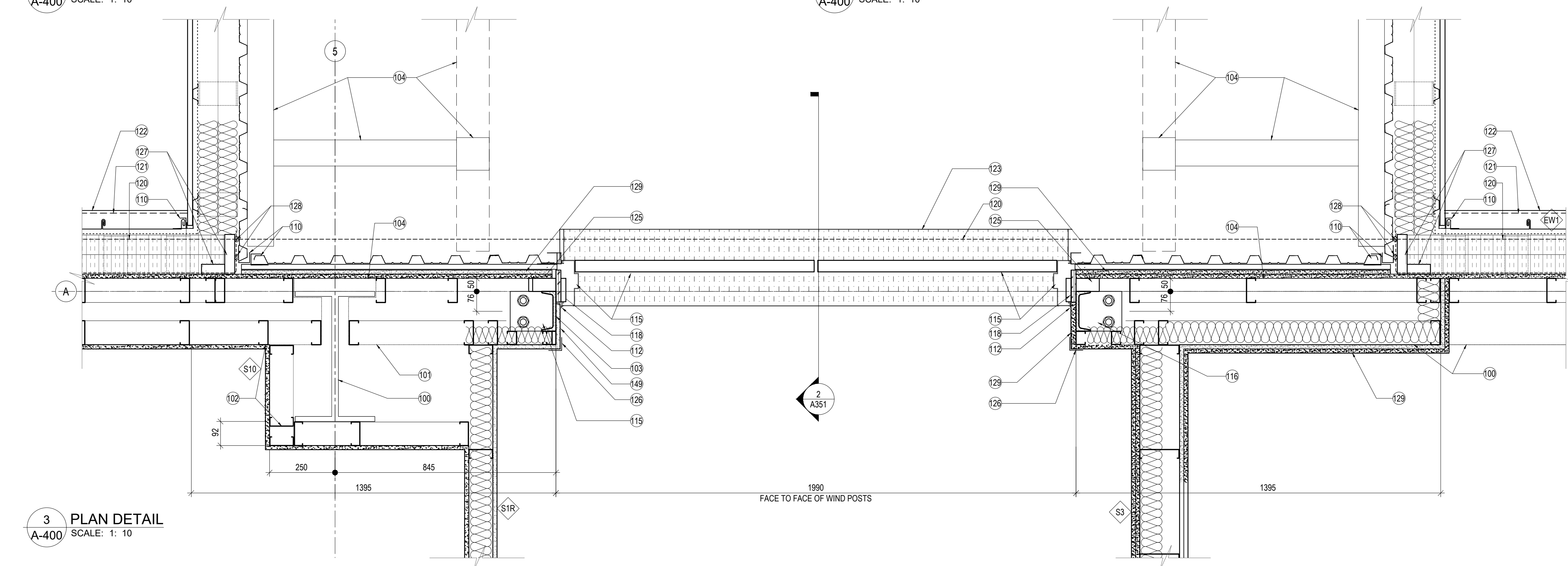
1 PLAN DETAIL
A-400 SCALE: 1: 10



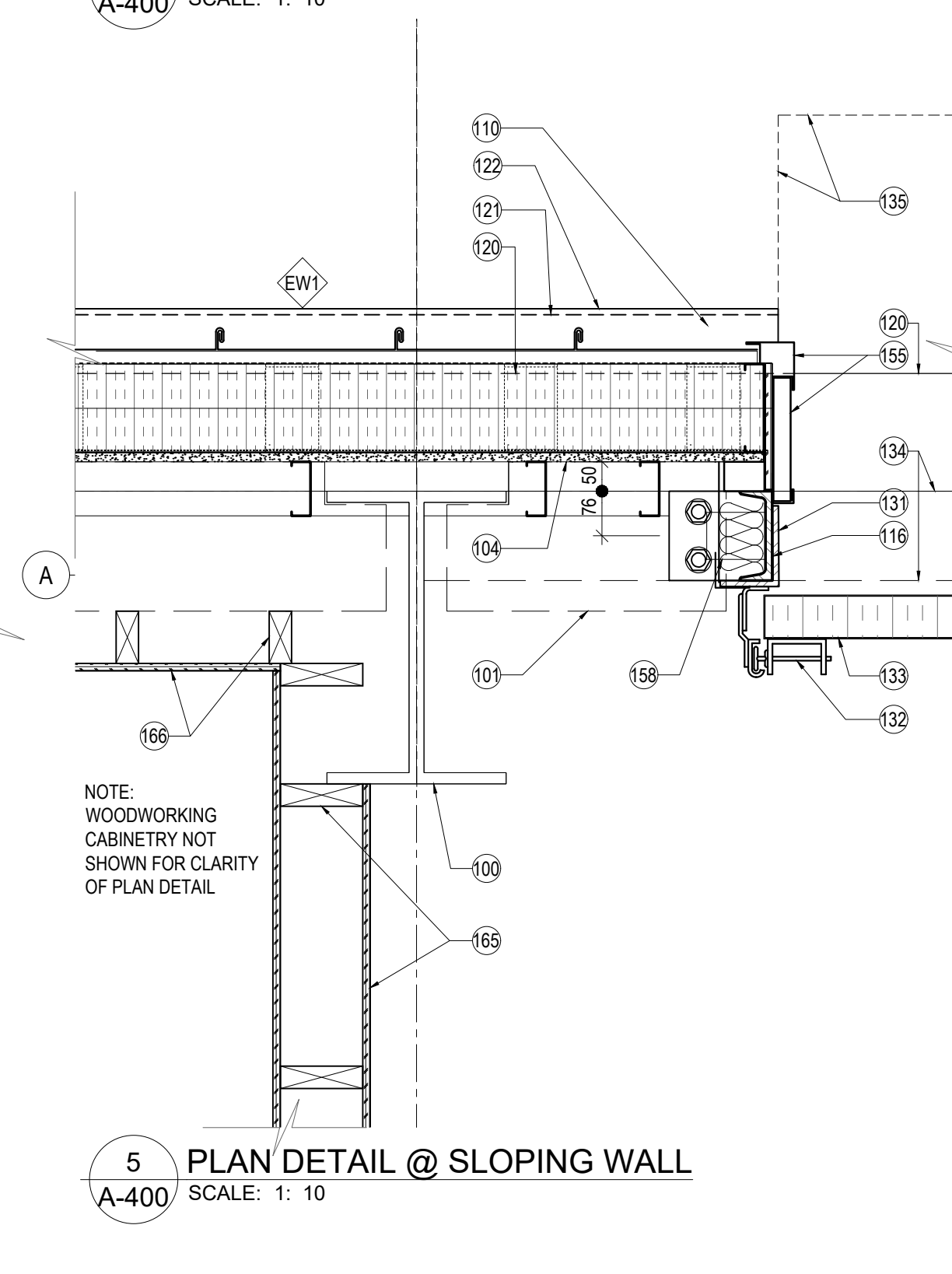
2 PLAN DETAIL
A-400 SCALE: 1: 10



4 PLAN DETAIL @ VERTICAL WALL
A-400 SCALE: 1: 10



3 PLAN DETAIL
A-400 SCALE: 1: 10



5 PLAN DETAIL @ SLOPING WALL
A-400 SCALE: 1: 10

PLAN DETAIL KEYNOTES:

- 100 RIGID FRAME BUILDING STRUCTURE. REFER TO RIGID BUILDING SUPPLIER DRAWINGS.
101 LINE OF WALL GIRT BELOW. REFER TO STRUCTURAL DRAWINGS.
102 STEEL STUD FURRING TO SUIT.
103 19mm PLYWOOD BLOCKING
104 FACE OF STUDS ALONG GRID LINE "A" TO BE 50mm BEYOND EDGE OF PRE-ENG. BUILDING MAIN STEEL COLUMN AS SHOWN.
105 MINIMUM 92mm STEEL STUD FRAMING FASTENED TO COLUMN. TYPICAL FOR END WALL AT MAIN STRUCTURAL COLUMNS.
106 RETURN GYPSUM BOARD BEHIND DOOR ENTRY FRAME AS SHOWN. CONTINUOUS CAULK.
107 STOP PLYWOOD BLOCKING AT FACE OF EXTERIOR GYPSUM BOARD AS SHOWN. (TYP.)
108 LAP & SEAL WALL VAPOUR BARRIER TO DOOR ENTRY FRAME. FILL VOID WITH CLOSED CELL SPRAY FOAM INSULATION. TYPICAL. (NOT SHOWN FOR CLARITY OF DETAIL)
109 2 PLY 2 X 4 WOOD BLOCKING AROUND MAIN ENTRY DOOR OPENING. OVERLAP 19mm INTO OPENING TO ALIGN WITH FACE OF PLYWOOD BLOCKING. SHIM ENTRY DOOR SYSTEM OUT AS REQUIRED.
2 PLY 2 X 4 WOOD BLOCKING AT ALL OTHER DOOR & WINDOW OPENINGS.

- 110 PRE-FINISHED METAL TRIM BY METAL PANEL SUPPLIER
111 PRE-FINISHED METAL TRIM TO MATCH EXTERIOR WALL PANEL. *PROVIDE 20 GAUGE BREAKFORMED GALV. METAL PANEL TO CAP OFF END OF EXTERIOR INSULATION. FASTEN TO BLOCKING AROUND DOOR / WINDOW OPENING.
112 CONTINUOUS ROD & CAULK
113 THERMALLY BROKEN ALUMINUM ENTRY DOOR SYSTEM AS SPECIFIED
114 SOLID WOOD BLOCKING AROUND DOOR & WINDOW OPENINGS. SECURE TO WINDPOST & HEADER OVER (TYP.)
115 HOLLOW METAL DOOR / PRESSED STEEL FRAME ENTRY SYSTEM
116 WIND POST - TYPICAL EACH SIDE OF DOOR / WINDOW OPENING (REFER TO STRUCTURAL DRAWINGS)
117 SOLID BLOCKING TO FILL VOID
118 CONTINUOUS BLOCKING AS REQUIRED FOR SECURING DOOR FRAME.
119 APPLY ADDITIONAL LAYER AIR BARRIER OVER WOOD BLOCKING AS SHOWN. LAP MIN. 150mm TO WALL AIR BARRIER & CONT. SEAL JOINT (TYP.)
120 LINE OF FOUNDATION WALL BELOW

- 121 LINE OF RIGID INSULATION ON EXTERIOR OF FOUNDATION
122 CONT. PRE-FINISHED DRIP FLASHING BELOW.
123 LOW SLOPE THRESHOLD TO EXTEND 25mm BEYOND FACE OF FOUNDATION INSULATION FINISH (TYPICAL)
124 GYPSUM BOARD "JMOLD. FILL, SAND & PAINT. TYPICAL. APPLY CONT. ROD AND / OR CAULK
125 SOLID WOOD BLOCKING AROUND DOOR & WINDOW OPENINGS. SECURE TO WINDPOST & HEADER OVER (TYP.)
126 CORNER GUARD
127 SOLID BLOCKING TO SUPPORT TRANSITION BETWEEN LINK AND EXISTING & NEW BUILDINGS. INSTALL AS REQUIRED TO SUIT CURVE OF LINK ROOF SYSTEM.
128 RETURN VAPOUR BARRIER, CAULK & SEAL TO CONT. WOOD BLOCKING. PROVIDE 2 CONT. ACOUSTIC SEALANT BEADS BETWEEN WALL VAPOUR BARRIER AND LINK LINER PANEL TO MAINTAIN VAPOUR BARRIER.
129 APPLY 2 LAYERS 16mm TYPE "X" GYPSUM BOARD TO LINK SIDE OF EXTERIOR PARTITION TO MAINTAIN 2 HOUR FIRE RATING BETWEEN STORAGE GARAGE AND REMAINDER OF BUILDING.

- 130 FRAMING FOR LINK BETWEEN NEW & EXISTING BUILDINGS.
131 100mm x 135mm by 9mm THICK BENT STEEL PLATE DOOR JAMB BY RIGID FRAME BUILDING SUPPLIER
132 OVERHEAD DOOR TRACK ASSEMBLY
133 STEEL INSULATED OVERHEAD DOOR
134 LINE OF OVERHEAD DOOR FRAMING ABOVE (BY STEEL BUILDING SUPPLIER)
135 LINE OF SOFFIT ABOVE OVERHEAD DOOR OPENING
136 PROVIDE GAP BETWEEN PLYWOOD BLOCKING AS SHOWN. EXTEND WALL VAPOUR MEMBRANE THROUGH GAP & LAP & SEAL TO WINDOW OR DOOR. TYPICAL
137 PRE-FINISHED METAL WINDOW SILL BELOW
138 PRE-FINISHED METAL CLOSURE TRIM OVER PLYWOOD. EXTEND INTO WINDOW ROUGH OPENING. SEAL WITH CONT. ROD & CAULK.
139 WINDOW AS SPECIFIED
140 P. I.A.M. SILL BELOW ON 19mm PLYWOOD.
141 SLOPING INTERIOR FACE OF EXTERIOR WALL BELOW
142 AUTOMATIC DOOR OPENER MOUNTED AT 915mm ABOVE FINISHED FLOOR.
143 WINDPOST & BASEPLATE BELOW. SHOWN OFFSET TO SUIT SLOPED EXTERIOR WALL AT 2ND FLOOR. SITE CONFIRM EXACT LOCATION

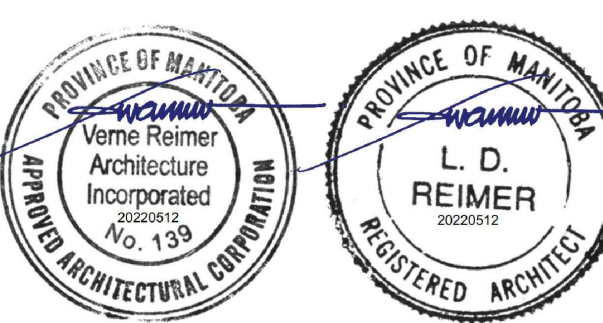
- 144 WALL GIRT ABOVE & BELOW WINDOW OPENING AND ABOVE DOOR OPENING. REFER TO RIGID BUILDING SUPPLIER DETAILS.
145 WALL GIRT ABOVE WINDOW ON SLOPED 2ND FLOOR WALL. REFER TO RIGID BUILDING SUPPLIER DETAILS.
146 LINE OF SLOPED WALL BELOW STAIR LANDING
147 EDGE OF STAIR LANDING FRAMING BELOW THRESHOLD
148 METAL EXTERIOR STAIR C/W PULTRUDED FIBREGLASS LANDINGS & TREADS.
149 GYPSUM BOARD RETURN. TYPICAL AT HEAD & JAMBS.
150 BULKHEAD OVER DOOR AT 2400mm ABOVE FINISHED FLOOR.
151 100mm EXTERIOR OUTRIGGER WALL GIRT FOR FIN WALL SECURED THROUGH EXTERIOR GYPSUM WALL BOARD TO INTERIOR HORIZONTAL GIRTS.
152 EXTEND HORIZONTAL FURRING CHANNELS FOR STANDING SEAM WALL PANEL TO EDGE OF FIN WALL AS SHOWN.
153 STEEL STUD FRAMING @ 400mm O/C BETWEEN HORIZONTAL GIRT OUTRIGGERS.
154 ANGLED GIRT TO BE SECURED THRU EXT. GYPSUM BOARD TO CONT. 19mm PLYWOOD BLOCKING FULL HEIGHT AS SHOWN

- 155 HORIZONTAL DECORATIVE FLAT PANEL AS SPECIFIED C/W ALL TRIM PIECES, CLIPS, FASTENERS, ETC. PROVIDE VERTICAL CHANNELS SPACED AS PER SUPPLIER'S INSTRUCTIONS.
156 PRE-FINISHED METAL CLOSURE PANEL AT END OF FINWALL ON VERTICAL FURRING CHANNELS.
157 BRAKEFORM TO FIT OVER STANDING SEAM RIB AND ANGLED RETURN WALL AS SHOWN.
158 PRE-FINISHED METAL PANEL AT UNDERSIDE OF FINWALL C/W ALL CLIPS, TRIMS & FASTENERS TO SECURE TO OUTRIGGER FRAMING.
159 CLIP ANGLE FROM UNSUPPORTED END OF GIRT TO ADJACENT WIND POST. BY RIGID FRAME BUILDING SUPPLIER.
160 WINDPOST PLATE AND ANCHORS BELOW BY RIGID FRAME BUILDING SUPPLIER
161 BENT STEEL PLATE DOOR FRAME BY RIGID FRAME BUILDING SUPPLIER
162 AIR BARRIER ON 13mm PLYWOOD BACKING FOR DECORATIVE FLAT PANEL
163 PRE-FINISHED METAL CLOSURE PANEL C/W ALL TRIMS / CLIPS & FASTENERS TO SUIT SLOPED WALL TO OVERHEAD DOOR SOFFIT OVER
164 AIR VAPOUR BARRIER AS SPECIFIED SEALED TO WALL & CLIPS / TRIMS.
165 FILL VOID WITH MINERAL WOOL SEMI-RIGID INSULATION. TYPICAL

- 166 12mm PLYWOOD EACH SIDE OF 2 X 6 STUD FRAMING @ 400mm O/C FOR ENCLOSURE AROUND WOODWORKING CABINETRY. PAINT FINISH
*REFER TO DRAWING A-101 FOR EXTENT.
167 FRAME OUT MILLWORK ENCLOSURE WITH 12mm PLYWOOD BACKING ON 38 X 89 STUD FRAMING @ 400 O/C. STUD FRAMING TO EXTEND FROM FLOOR TO TOP OF HORIZONTAL GIRT ABOVE TOP OF SLOPED BULKHEAD. PAINT FINISH.
*REFER TO DRAWING A-101 FOR EXTENT.
168 STEEL COLUMN FOR SUPPORTING 2ND FLOOR ABOVE. REFER TO STRUCTURAL
169 EXTEND WALL TYPE "S2" TO BACK OF 16mm PLYWOOD SHEATHING. SHEATHING TO ALIGN WITH ADJACENT 16mm GYPSUM BOARD BELOW WINDOW FRAMES.
170 16mm PLYWOOD ENCLOSURE AS BACKING FOR ALUMINUM CLOSURE PANEL. FILL VOID WITH RIGID INSULATION TIGHT TO ALL SIDES.
171 CARRY WALL VAPOUR BARRIER THROUGH BEHIND INSULATION & SEAL TO WINDOW FRAMES. TYPICAL BOTH SIDES. SEAL TO WALL VAPOUR BARRIER ABOVE & BELOW ALUMINUM PANEL DETAIL.

- 172 3mm BENT ALUMINUM CLOSURE PANEL SECURED TO PLYWOOD ENCLOSURE. PANEL COLOUR TO MATCH WINDOW FRAME
173 SILL FLASHING BELOW TO CONTINUE BETWEEN WINDOWS. (CARRY FLASHING 50mm UP 50mm BEHIND ALUMINUM CLOSURE. LAP AIR BARRIER OVER FLASHING.
174 BLOCKING AS REQUIRED. FILL VOID WITH LOW EXPANSION SPRAY FOAM INSULATION. (TYP.)
175 CONTINUOUS SEALANT AND BACKER ROD AS REQUIRED. TYPICAL INTERIOR & EXTERIOR LOCATIONS
176 PLASTIC LAMINATE SILL BELOW ON INTERIOR.
177 DOOR ACTUATOR ON PRE-FINISHED METAL POST ANCHORED TO CONCRETE SLAB BELOW.
*BY DOOR HARDWARE SUPPLIER

PERMIT / STAMP



	22/05/12	ISSUED FOR CONSTRUCTION
	21/04/29	ISSUED FOR TENDER REVIEW
	21/03/26	ISSUED FOR CLIENT REVIEW (100%)
	21/01/25	ISSUED FOR CLASS A ESTIMATE
00	20/03/11	ISSUED FOR OWNER REVIEW
	19/11/19	ISSUED FOR CLASS C ESTIMATE
REV	DATE	DESCRIPTION

CLIENT

CITY OF IQALUIT
OPERATIONS CENTRE

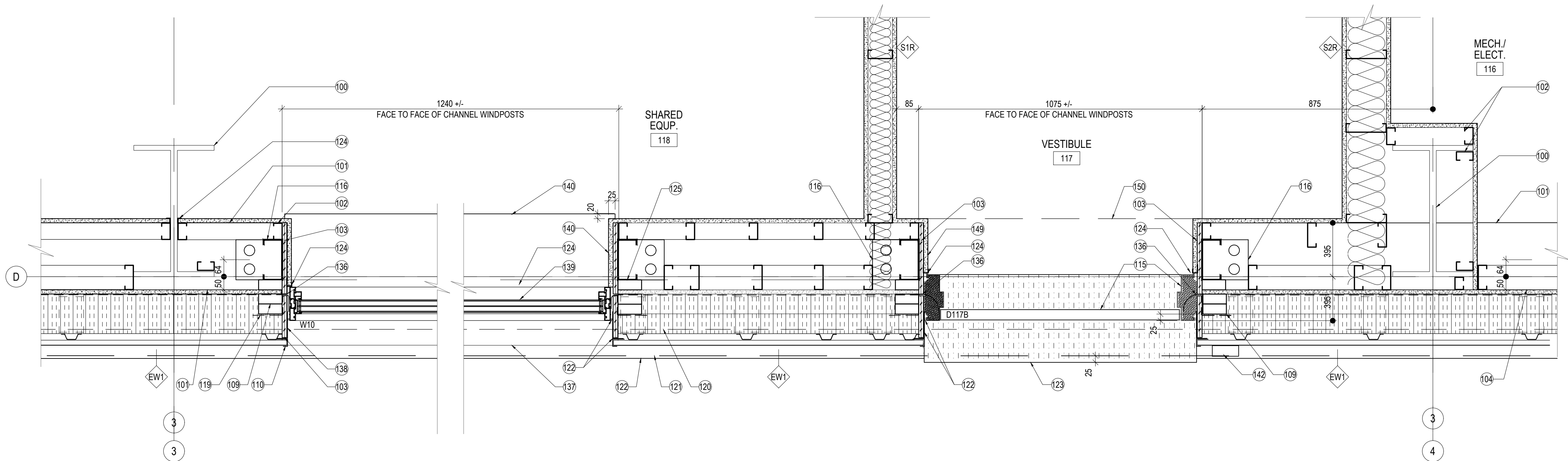
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IQALUIT, NUNAVUT
X0A 0H0

CLIENT PROJECT NO. 820837

TITLE:
PLAN DETAILS

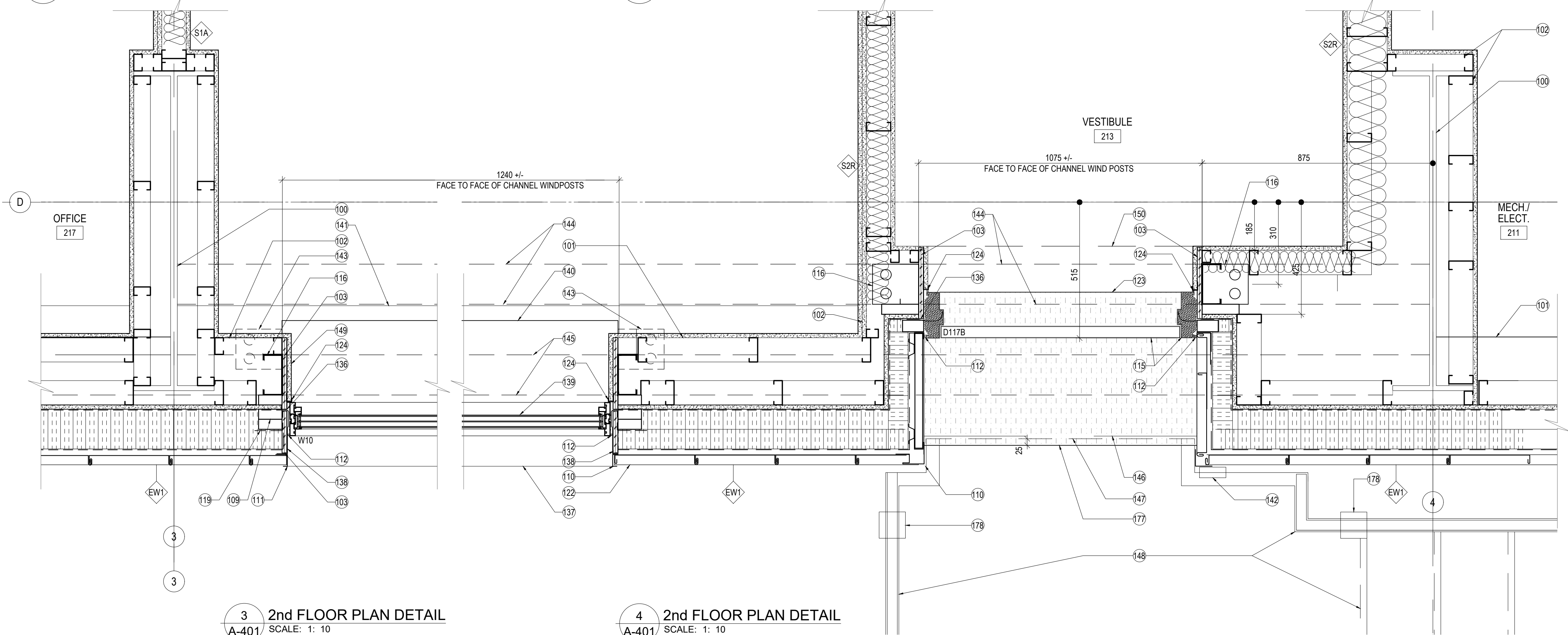
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PROJECT NUMBER: 2019.00800
DRAWN BY: KM

A400



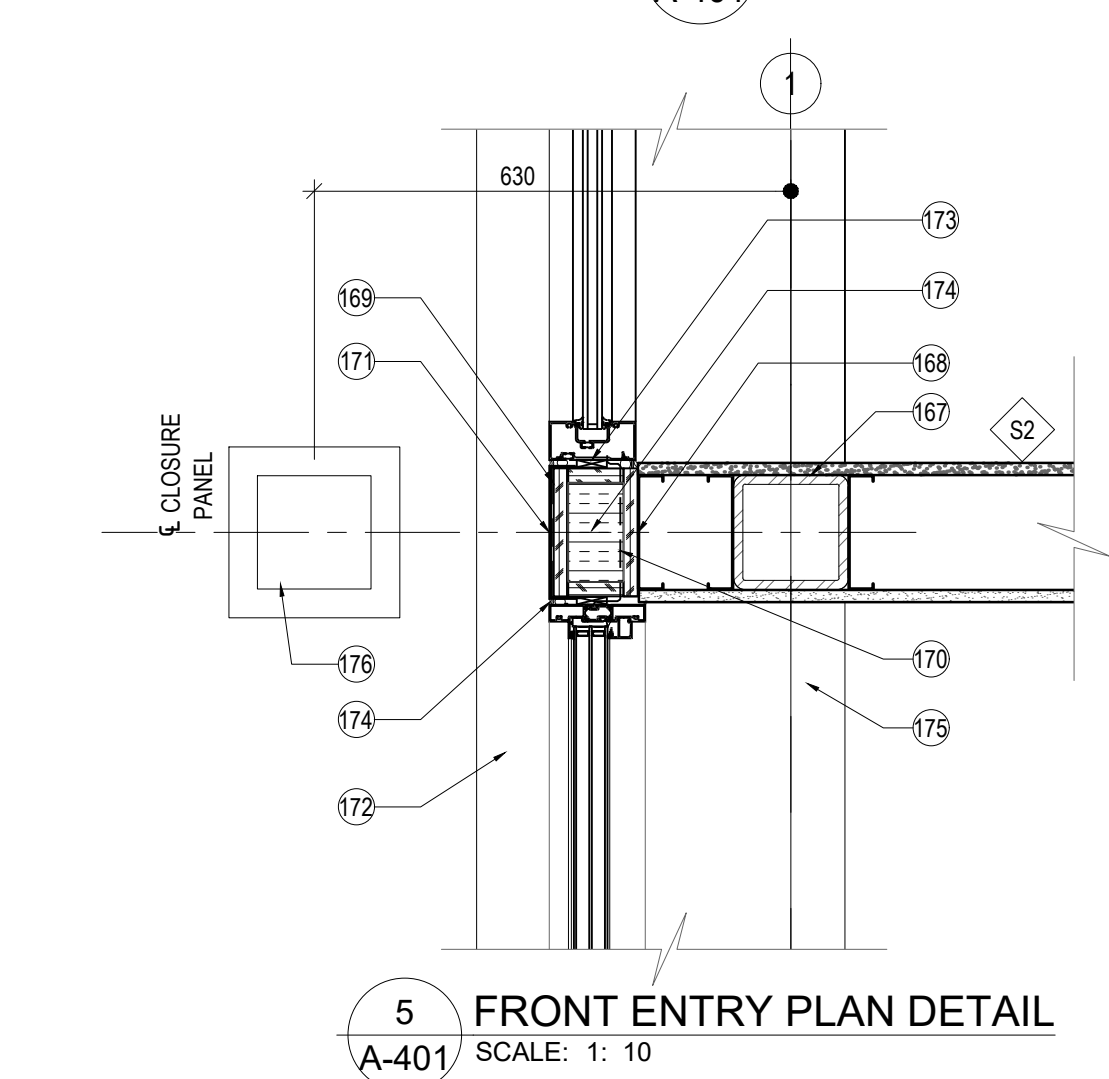
1 MAIN FLOOR PLAN DETAIL
SCALE: 1: 10

2 MAIN FLOOR PLAN DETAIL
SCALE: 1: 10



3 2nd FLOOR PLAN DETAIL
SCALE: 1: 10

4 2nd FLOOR PLAN DETAIL
SCALE: 1: 10



5 FRONT ENTRY PLAN DETAIL
SCALE: 1: 10

PLAN DETAIL KEYNOTES:

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- *BY DOOR HARDWARE SUPPLIER
- LOW SLOPE THRESHOLD TO EXTEND 25mm BEYOND EDGE OF STAIR LANDING FRAME BELOW.
- METAL FRAME OF EXTERIOR STAIR.



VERNE REIMER
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INCORPORATED

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CONSULTANTS

NOTES

PERMIT / STAMP



	22/05/12	ISSUED FOR CONSTRUCTION
	22/04/29	ISSUED FOR TENDER REVIEW
	21/03/26	ISSUED FOR CLIENT REVIEW (100%)
	21/01/25	ISSUED FOR CLASS A ESTIMATE
00	20/03/11	ISSUED FOR OWNER REVIEW
	19/11/19	ISSUED FOR CLASS C ESTIMATE

REV	DATE	DESCRIPTION

CLIENT

**CITY OF IQALUIT
OPERATIONS CENTRE**

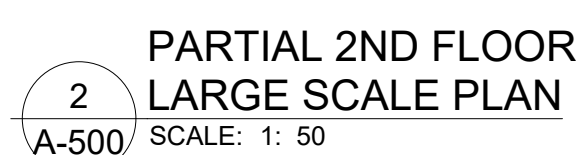
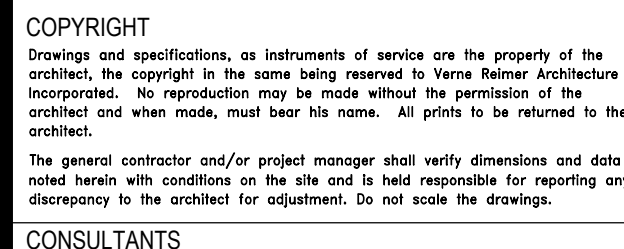
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IQALUIT, NUNAVUT
X0A 0H0

CLIENT PROJECT NO. 820837

TITLE:
PLAN DETAILS

SCALE: AS INDICATED
PROJECT NUMBER: 2019.00800
DRAWN BY: KM

A401



LARGE SCALE FLOOR PLAN KEYNOTES:

- 100 AUTOMATIC DOOR OPERATOR ACTUATOR - MOUNTED 915MM AFF
- 101 DOOR ACTUATOR ON PRE-FINISHED METAL POST ANCHORED TO CONCRETE SLAB BELOW. BY DOOR HARDWARE SUPPLIER
- 102 FIRE EXTINGUISHER IN RECESSED FIRE RATED CABINET.
- 103 RECESSED POWER FLOW HEATER WITH ANNUNCIATOR PANEL.
- 104 RECESSED MOVE TARGET UNITS
- 105 RECESSED FOOT VENT GRILLE. NOTE: IN VENT, 100, GRILLE IS 1830mm x 1830mm. IN VENT, 117 & 129, GRILLE IS 1525mm x 1525mm.
- 106 VERTICAL WHEELCHAIR LIFT
- 107 900mm DETECTABLE WARNING STRIP X WIDTH OF STAIR. TYPICAL AT TOP & BOTTOM OF INTERIOR STAIR HALL.
- 108 MECHANICAL VENT TO SPACE BEHIND LIFT. COORDINATE LOCATION ON SITE.
- 109 "REFER TO MECHANICAL."
- 110 SHAFT AT REAR OF LIFT. "REFER TO MECHANICAL."

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1549 FEDERAL ROAD
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CLIENT PROJECT NO. 820837

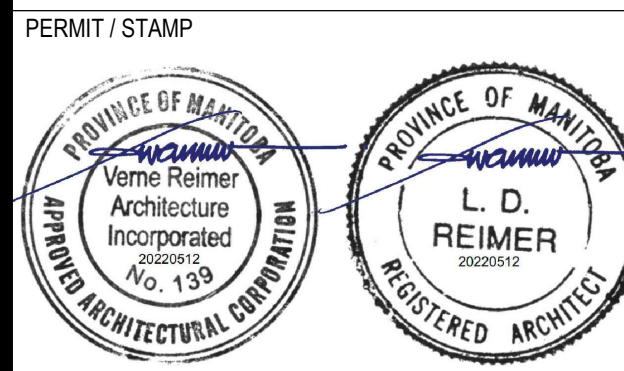
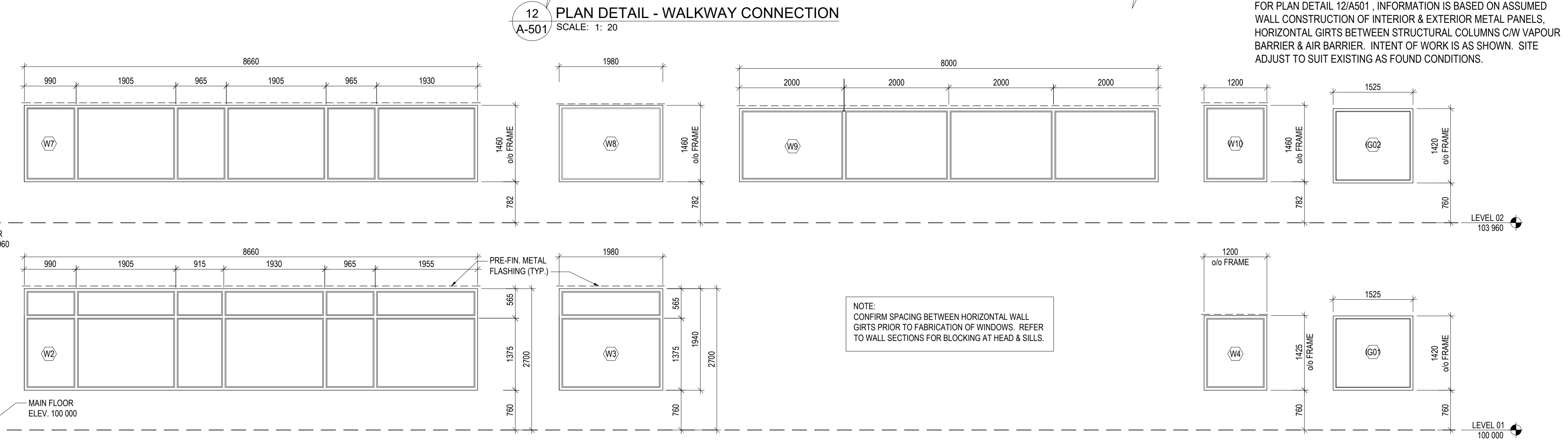
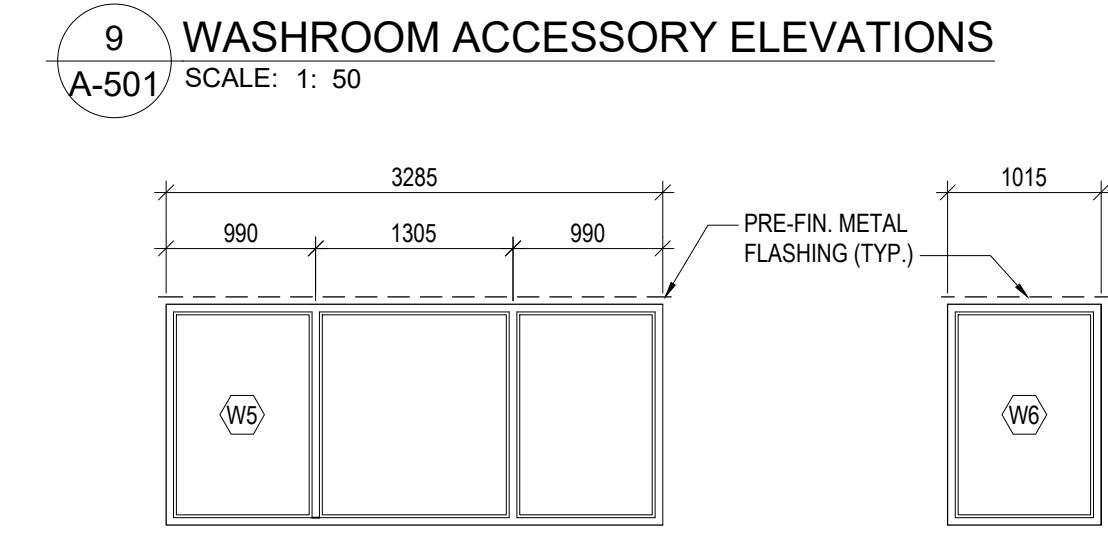
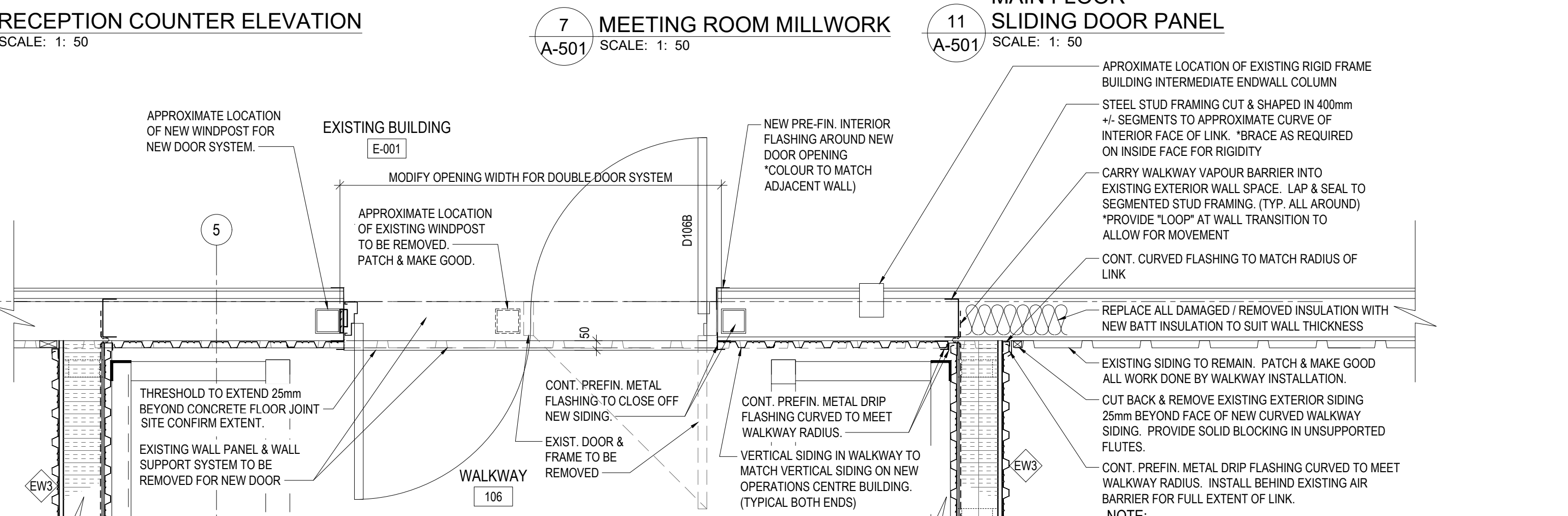
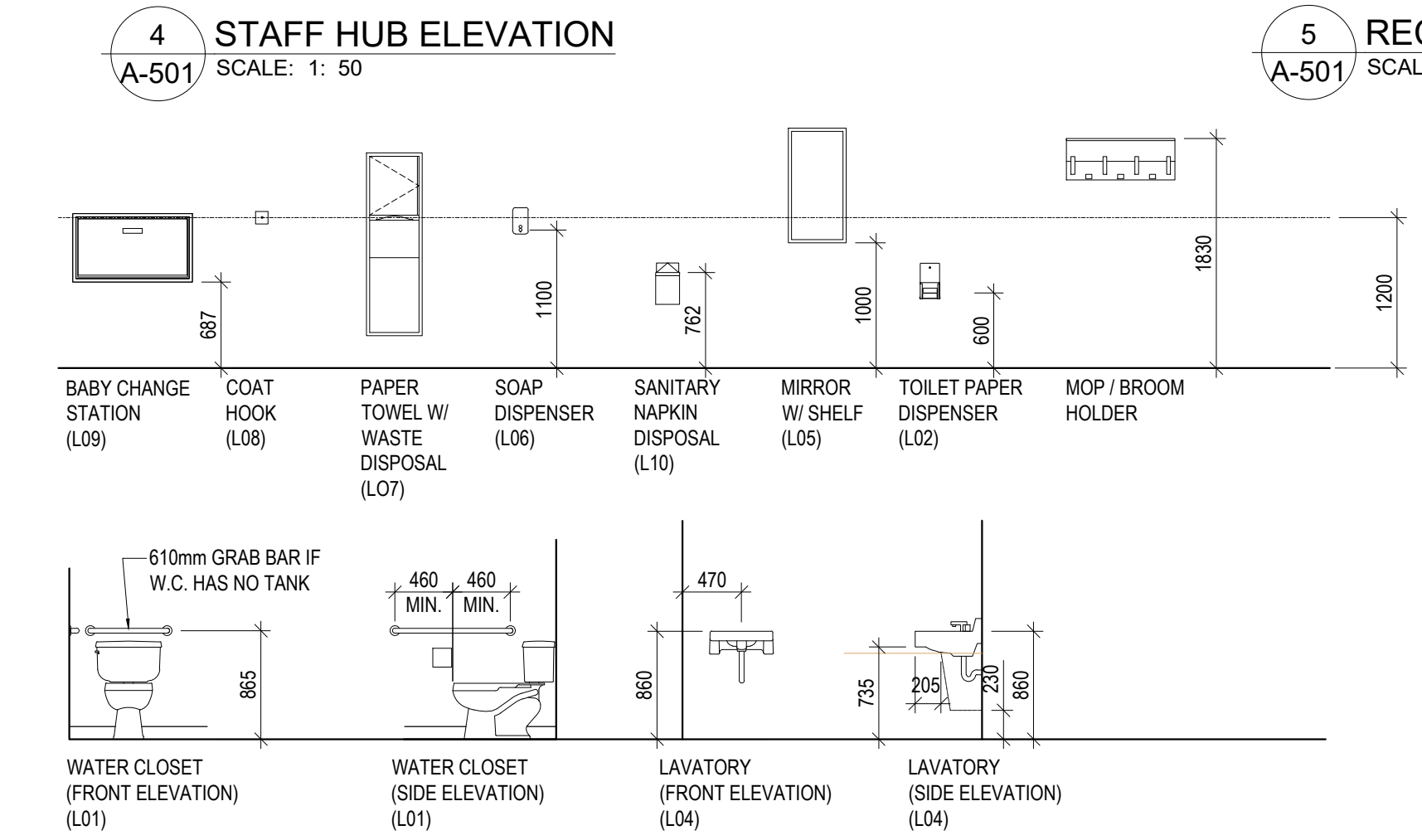
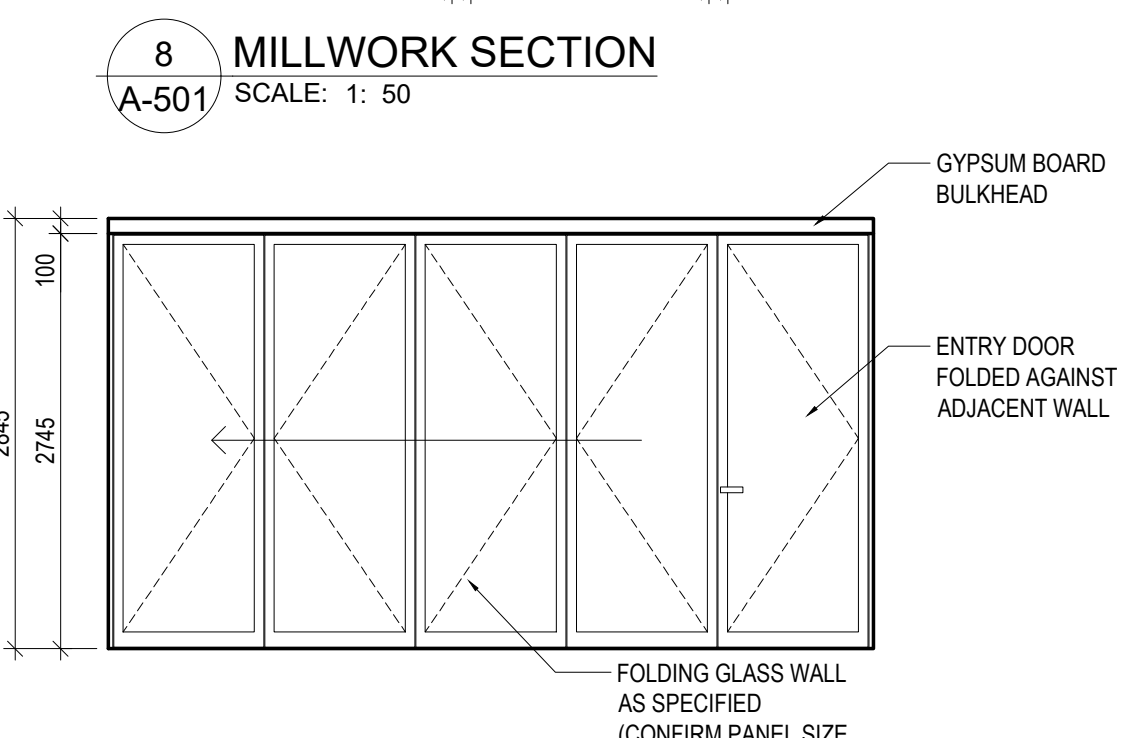
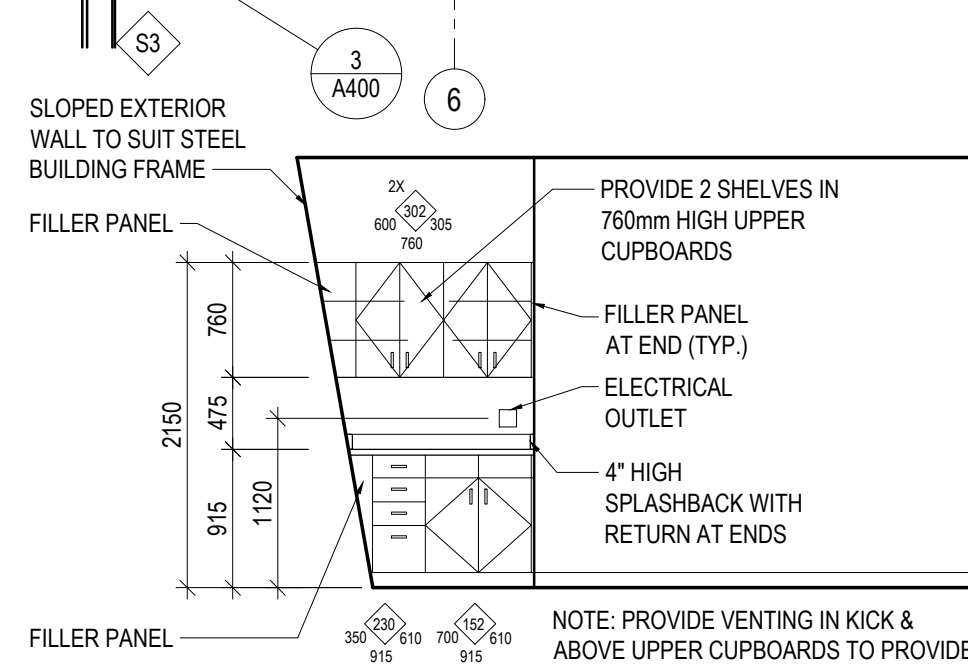
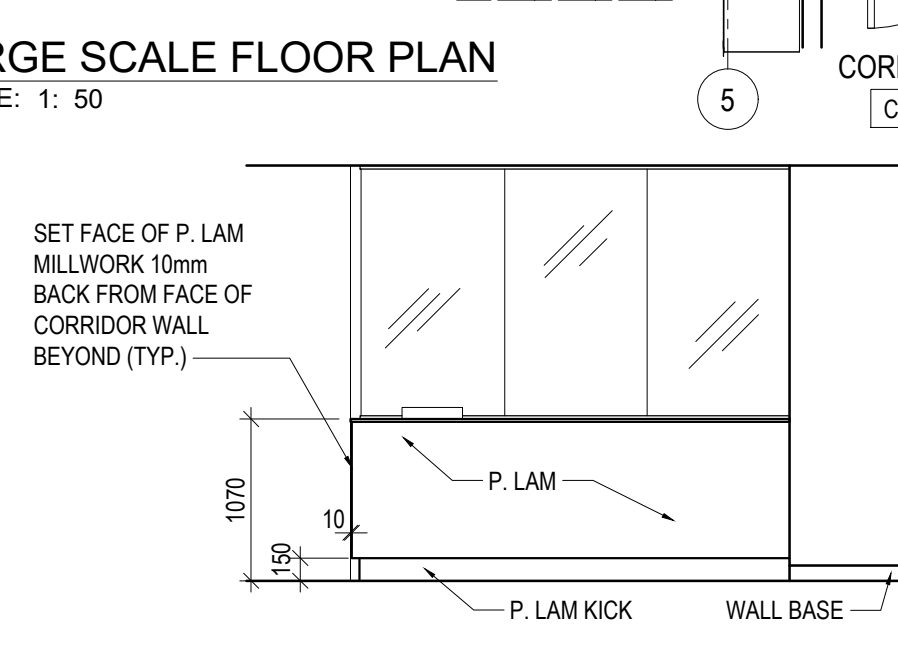
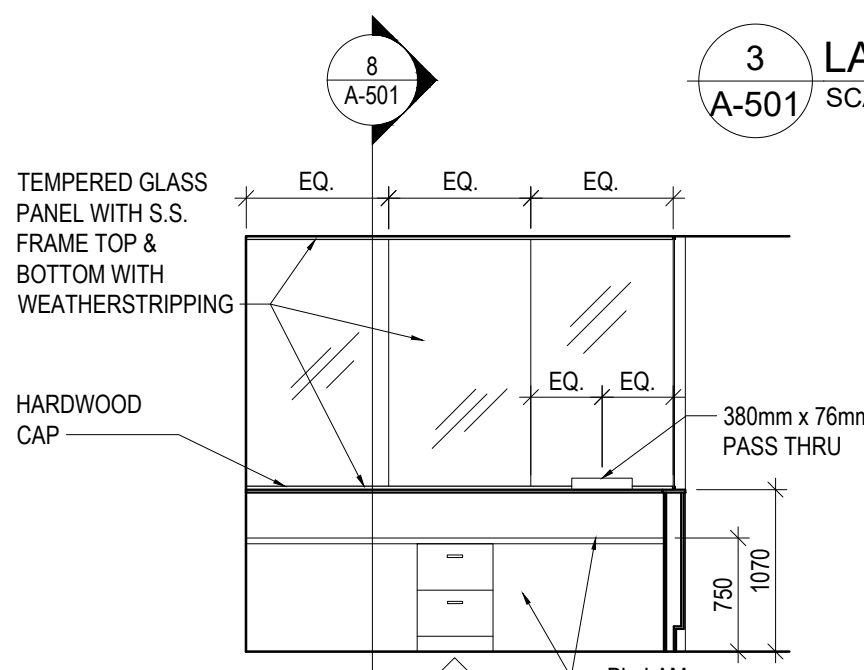
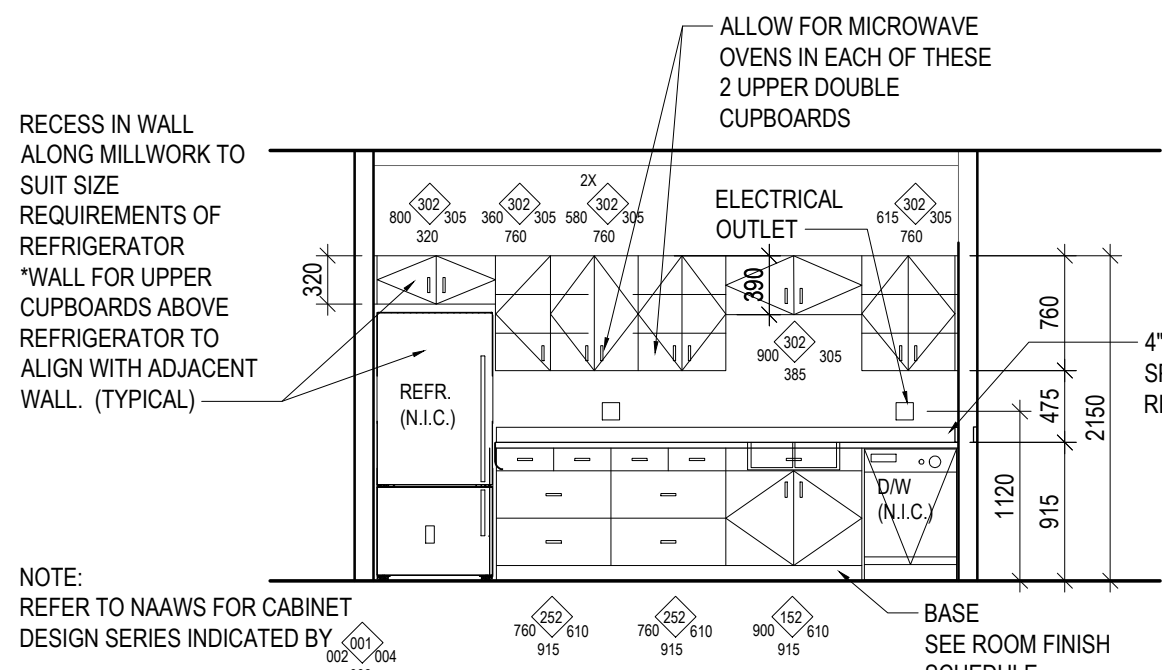
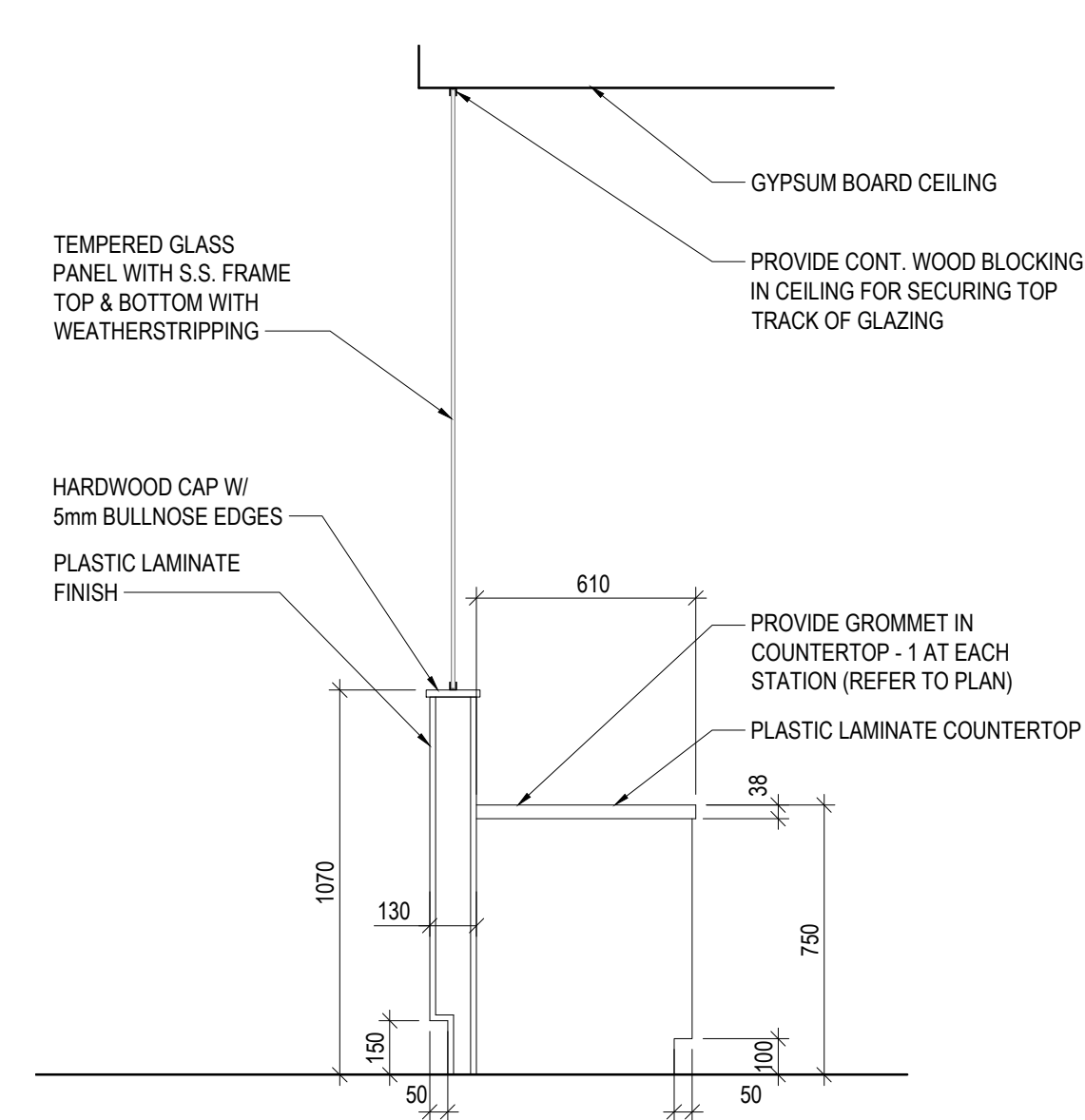
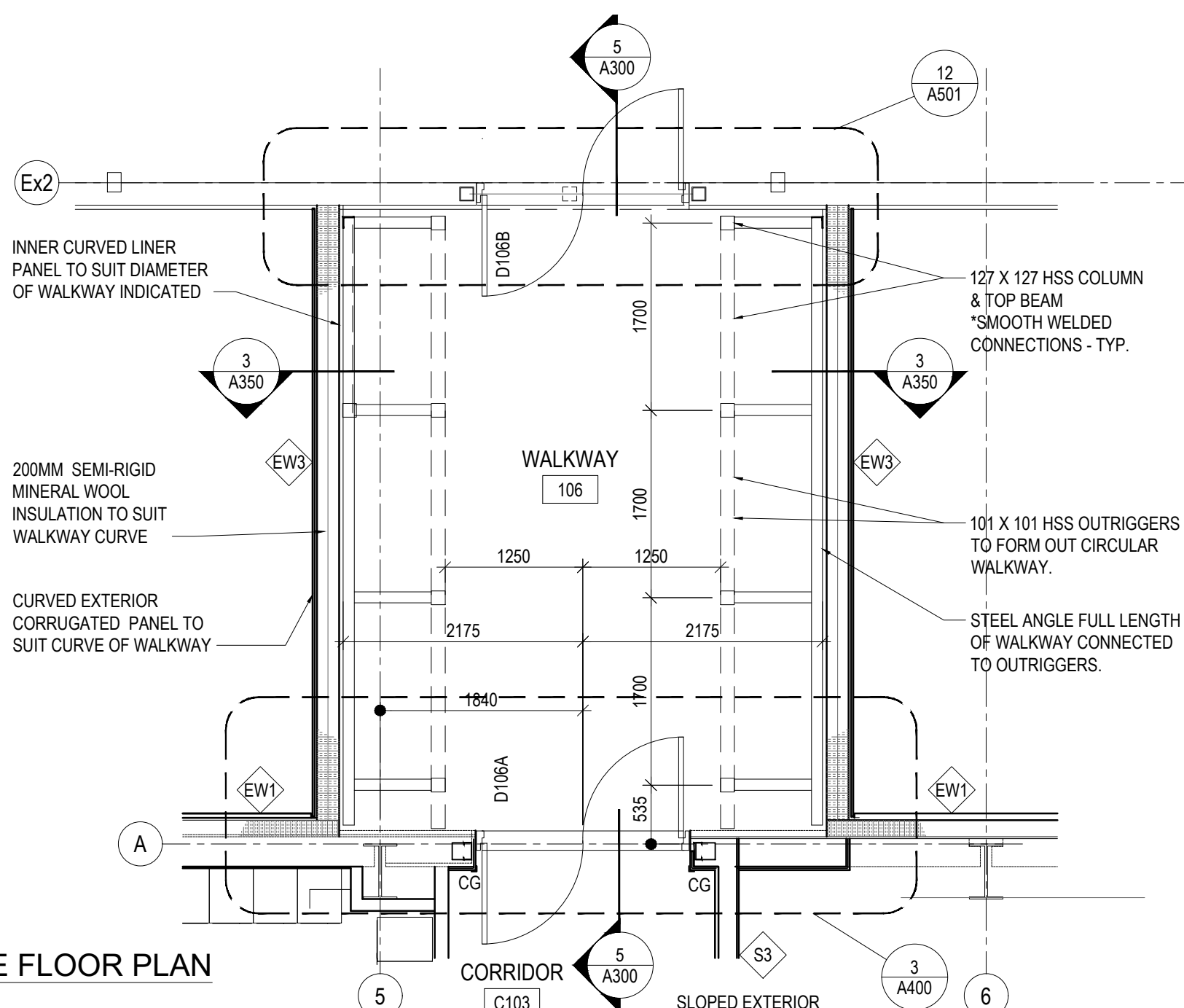
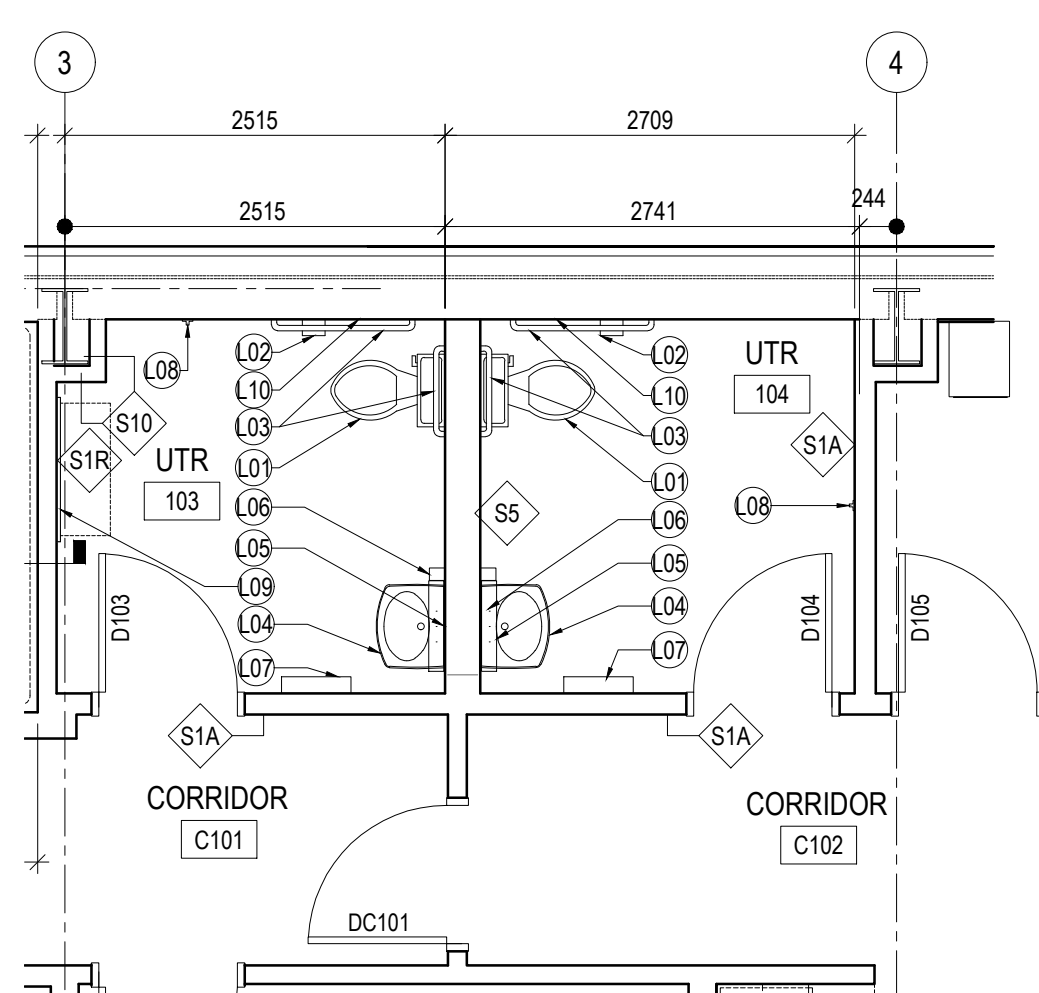
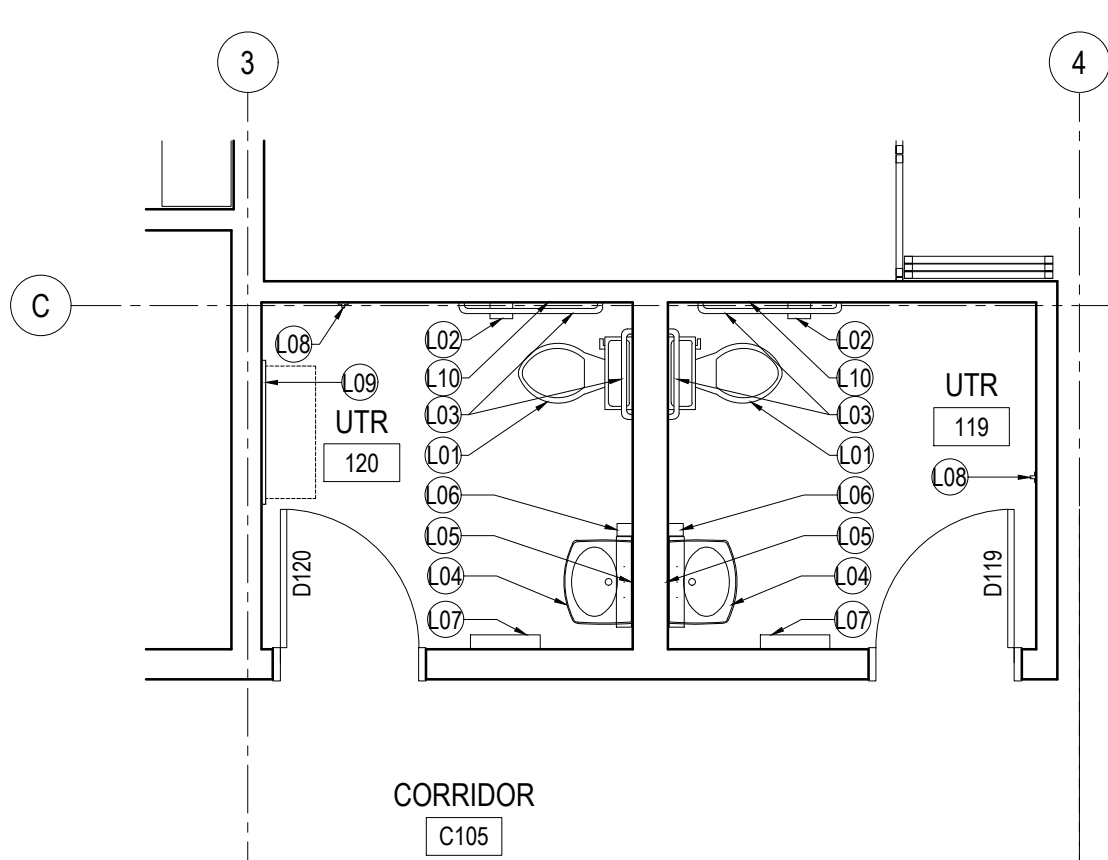
TITLE:
LARGE SCALE STAIR PLANS,
STAIR SECTIONS & DETAILS

SCALE: AS INDICATED
PROJECT NUMBER: 2019.00800
DRAWN BY: KM

A500

WASHROOM PLAN KEYNOTES:
REFER TO DRAWING 9/A501 FOR ELEVATIONS & ASSOCIATED MOUNTING HEIGHTS / LOCATIONS OF WASHROOM ACCESSORIES. ACCESSORIES INDICATED BELOW TYPICAL FOR ALL WASHROOMS.

- L01 WATER CLOSET WITH SEAT. CENTRE LINE OF TOILET TO BE LOCATED 460mm - 480mm FROM ADJACENT WALL. ENSURE MINIMUM 900mm CLEARANCE BETWEEN WATER CLOSET AND SINK. TYPICAL ALL WASHROOMS.
- L02 SURFACE MOUNTED TOILET PAPER DISPENSER
- L03 GRAB BARS MOUNTED TO SIDE WALL ADJACENT TO W.C. AND ON WALL BEHIND W.C. HORIZONTAL AND VERTICAL COMPONENTS NOT LESS THAN 760mm IN LENGTH. HORIZONTAL COMPONENT MOUNTED AT 800mm AFF W/ VERTICAL COMPONENT 150mm IN FRONT OF TOILET EDGE. TYPICAL ALL WASHROOMS. HORIZONTAL GRAB BAR 600mm IN LENGTH MOUNTED BEHIND TOILET @ 800mm AFF. CENTERED ABOVE TOILET. TYPICAL ALL WASHROOMS.
- L04 LAVATORY WITH RIM HEIGHT NOT MORE THAN 865mm AFF WITH NOT LESS THAN 460mm BETWEEN CENTRE LINE OF LAV. AND SIDE WALL. CLEAR SPACE BELOW LAV. OF NOT LESS THAN 760mm WIDE, 735mm HIGH AT FRONT EDGE OF LAV., 865mm HIGH AT POINT 200mm BACK FROM FRONT EDGE. AND 230mm HIGH OVER THE DISTANCE FROM 280mm - 430mm BACK FROM FRONT EDGE.
- L05 610mm WIDE x 915mm TALL MIRROR C/W 125mm DEEP SHELF FULL WIDTH OF MIRROR CENTRED ABOVE LAVATORY. TYPICAL ALL WASHROOMS.
- L06 SURFACE MOUNTED SOAP DISPENSER. TYPICAL ALL WASHROOMS.
- L07 SEMI-RECESSED PAPER TOWEL DISPENSER AND DISPOSAL. TYPICAL ALL WASHROOMS.
- L08 COAT HOOK AT 1400mm AFF W/ NOT MORE THAN 50mm PROJECTION OFF WALL. TYPICAL ALL WASHROOMS.
- L09 BABY CHANGE STATION. SURFACE MOUNTED. ENSURE CLEARANCE AT DOOR SWING IN OPEN POSITION.
- L10 SANITARY NAPKIN DISPOSAL MOUNTED BELOW GRAB BARS ADJACENT TO TOILET PAPER DISPENSER



REV	DATE	DESCRIPTION
22/05/12		ISSUED FOR CONSTRUCTION
22/04/29		ISSUED FOR TENDER REVIEW
21/03/26		ISSUED FOR CLIENT REVIEW (100%)
21/03/04		ISSUED FOR REVIEW (100%)
21/02/17		ISSUED FOR CLIENT REVIEW (100%)

CITY OF IQALUIT
OPERATIONS CENTRE

1549 FEDERAL ROAD
IQALUIT, NUNAVUT
X0A 0H0

CLIENT PROJECT NO. 820837

TITLE:
LARGE SCALE FLOOR PLANS &
INTERIOR ELEVATIONS
SCALE: AS INDICATED
PROJECT NUMBER: 2019.00800
DRAWN BY: KM

A501

GENERAL

1. THIS IS A METRIC PROJECT. UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE IN MILLIMETERS AND ALL FORCES ARE IN METRIC UNITS.
2. " WSP-S" REFERS TO WSP CANADA STRUCTURAL CONSULTANT.
3. PRIOR TO CONSTRUCTION, REVIEW STRUCTURAL DRAWINGS IN CONJUNCTION WITH DRAWINGS PROVIDED BY ALL OTHER CONSULTANTS. CONFIRM ALL DIMENSIONS, ELEVATIONS AND HEADROOM CLEARANCES, AND COORDINATE ALL OPENINGS, SLEEVES AND EMBEDDED ITEMS.
4. REPORT ANY DISCREPANCIES OR CONFLICTS BEFORE PROCEEDING WITH THE WORK.
5. DO NOT CUT OR DRILL ANY OPENINGS IN STRUCTURAL MEMBERS WITHOUT WRITTEN PERMISSION FROM WSP-S.
6. EXISTING STRUCTURAL INFORMATION IS BASED UPON DRAWINGS PREPARED BY J.W. ARTHUR ON AUGUST 28th, 1981.
7. VERIFY EXISTING DIMENSIONS AND CONDITIONS ON SITE PRIOR TO CONSTRUCTION.
8. USE THESE DRAWINGS ONLY FOR THE PURPOSE IDENTIFIED IN THE REVISIONS COLUMN. DO NOT CONSTRUCT FROM THESE DRAWINGS UNLESS MARKED " ISSUED FOR CONSTRUCTION" .
9. DO NOT USE INFORMATION ON THESE DRAWINGS FOR ANY OTHER PROJECT OR WORKS.
10. DO NOT SCALE THESE DRAWINGS.
11. UNLESS OTHERWISE NOTED ON DRAWINGS, FOLLOW TYPICAL DETAILS SHOWN ON S100 DRAWING SERIES. TYPICAL DETAILS SHOW STRUCTURAL INTENT RATHER THAN ACTUAL CONDITIONS FOR THIS PROJECT. IF A TYPICAL DETAIL INCLUDES A CROSS REFERENCE TO ANOTHER TYPICAL DETAIL WHICH IS NOT INCLUDED IN THE DRAWING SET, THE CROSS REFERENCED DETAIL IS NOT APPLICABLE ON THIS PROJECT.
12. ALL SECTIONS, DETAILS AND STATEMENTS NOTED AS " TYPICAL" APPLY TO LIKE / SIMILAR CONDITIONS IN THE STRUCTURE.
13. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR REQUIRED FIRE RATING, SPRAYED FIREPROOFING, INTUMESCENT PAINTING AND ALL OTHER MEASURES REQUIRED TO ACHIEVE IT.
14. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR DAMP PROOFING, WATERPROOFING, SEALERS, ETC.
15. REFER TO GEOTECHNICAL REPORT AND ARCHITECTURAL / CIVIL DRAWINGS AND SPECIFICATIONS FOR ALL SOIL WORKS.
16. STRUCTURAL DESIGN ASSUMES NON-LOAD RESTRICTED ULC FIRE RATED ASSEMBLIES, AND APPROPRIATE MATERIALS MUST BE USED.
17. DRAWINGS SHOW COMPLETED STRUCTURE ONLY. THEY DO NOT SHOW TEMPORARY WORKS FOR WHICH THE CONTRACTOR IS RESPONSIBLE AND WHICH MAY BE REQUIRED FOR EXECUTION OF THE PROJECT, INCLUDING TEMPORARY SHORING, BRACING, GUYS AND TIE DOWNS. THE CONTRACTOR TO ESTABLISH CONSTRUCTION PROCEDURE AND SEQUENCE TO ENSURE SAFETY OF THE WHOLE STRUCTURE AND ALL ITS COMPONENTS DURING ERECTION.
18. EXTENT OF ALL TEMPORARY SHORING FOR EXCAVATION WHICH MAY BE REQUIRED IS NOT NECESSARILY SHOWN ON STRUCTURAL DRAWINGS, CONTRACTOR TO DETERMINE. REFER TO SPECIFICATIONS FOR TEMPORARY SHORING REQUIREMENTS.
19. DESIGN AND CONSTRUCTION REVIEW OF ALL TEMPORARY WORKS TO BE CARRIED OUT BY A PROFESSIONAL ENGINEER RETAINED BY THE CONTRACTOR, LICENSED IN THE PLACE WHERE THE PROJECT IS LOCATED.
20. ANCHOR BOLTS AND OTHER EMBEDDED ITEMS ARE DESIGNED FOR LOADS ACTING ON THE COMPLETED STRUCTURE ONLY AND ARE NOT TO BE USED OR RELIED UPON FOR TEMPORARY SUPPORT OR BRACING DURING ERECTION UNLESS REVIEWED AND APPROVED BY THE CONTRACTOR'S ENGINEER RESPONSIBLE FOR THE ERECTION PROCEDURES.
21. CONSTRUCTION LOADS ON COMPLETED STRUCTURE NOT TO EXCEED DESIGN LOADS INDICATED ON DRAWINGS. FULL DESIGN LOADS MAY ONLY BE APPLIED AFTER THE CONCRETE REACHES ITS DESIGN STRENGTH.
22. UNLESS SHOWN ON STRUCTURAL DRAWINGS, DESIGN OF NON STRUCTURAL AND SECONDARY STRUCTURAL ELEMENTS AND THEIR CONNECTIONS TO THE PRIMARY BUILDING STRUCTURE ARE NOT WITHIN THE SCOPE OF SERVICES PROVIDED BY WSP-S. SUCH ELEMENTS INCLUDE (BUT ARE NOT LIMITED TO) THE FOLLOWING:

1. MISCELLANEOUS STEEL ELEMENTS: STAIRS, RAILINGS, GUARDRAILS.
2. PARTITIONS: MASONRY, GLASS, WOOD AND STEEL STUDS, PREFABRICATED PANELS
3. BULKHEADS, SUSPENDED CEILINGS, INTERIOR AND EXTERIOR SIGNAGE.
4. ARCHITECTURAL PRECAST, PRECAST STAIRS.
5. EXTERIOR CLADDING: PRECAST PANELS, METAL WALL SYSTEMS, CURTAIN WALLS AND WINDOWS.
6. MASONRY, STONE OR PRECAST VENEER CONNECTIONS TO BACKUP STRUCTURE.
7. MODULAR ASSEMBLIES FOR THERMALLY BROKEN BALCONIES.
8. SKYLIGHTS, SNOW FENCES, GUTTERS, ROOF ANCHORS, WINDOW WASHING SYSTEMS, CHIMNEYS AND STACKS.
9. SUPPORTS FOR MECHANICAL AND ELECTRICAL EQUIPMENT: HANGERS, BRACES, POSTS, RACKS, SLEEPERS, SEISMIC RESTRAINTS, SUPPORT PLATFORMS AND PADS, SERVICE PLATFORMS.
10. SUPPORTS AND SEISMIC RESTRAINTS FOR OTHER EQUIPMENT, SUCH AS MEDICAL AND SPORTS EQUIPMENT.
11. STORAGE RACKS.
12. LANDSCAPING ELEMENTS: WALLS, CURBS, BENCHES, PLANTERS, WATER FEATURES.
13. LIGHT POLES, FLAG POLES, SIGNS AND THEIR FOUNDATIONS.

WSP-S WILL NOT REVIEW DESIGN, DETAILING AND INSTALLATION OF THESE ELEMENTS, FOR WHICH SUPPLIERS AND / OR SPECIALTY PROFESSIONAL ENGINEERS ARE RESPONSIBLE; THE ONLY REVIEW PROVIDED (WHERE APPLICABLE) WILL BE FOR IMPACT ON THE BASE BUILDING STRUCTURE.

DESIGN DATA

1. STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE 2015 NATIONAL BUILDING CODE SUPPLEMENTED BY THE USER'S GUIDE – NBC 2015 STRUCTURAL COMMENTARIES.
2. CONCRETE ELEMENTS ARE DESIGNED PER CSA A23.3-14 – DESIGN OF CONCRETE STRUCTURES.
3. STEEL ELEMENTS ARE DESIGNED PER CSA S16-14 – LIMIT STATE DESIGN OF STEEL STRUCTURES.
4. SAWN LUMBER AND GLUE LAMINATED LUMBER STRUCTURAL ELEMENTS ARE DESIGNED PER CSA O86-14 – ENGINEERING DESIGN IN WOOD.
5. THE VALUES FOR CLIMATIC DATA USED IN THE DETERMINATION OF DESIGN LOADS HAVE BEEN OBTAINED FROM THE 2015 NBC FOR THE SPECIFIC LOCATION OF IQALUIT, NU.
6. BASED ON THE USE AND OCCUPANCY, THE BUILDING IS DESIGNED TO THE REQUIREMENTS OF A NORMAL IMPORTANCE CATEGORY.
7. SELF WEIGHT (SWT) IS DUE TO THE WEIGHT OF THE STRUCTURE ITSELF. IT VARIES WITH THE STRUCTURAL SYSTEM, AND INCLUDES CONCRETE TOPPINGS ON STEEL DECK.
8. SUPERIMPOSED DEAD LOADS (SDL) ARE NON-STRUCTURAL DEAD LOADS DUE TO NON-STRUCTURAL TOPPINGS, FINISHES, PARTITIONS, ROOFING MATERIALS, SUSPENDED EQUIPMENT, PAVERS, SOIL, ETC.
9. DEAD LOAD (DL) IS THE SELF WEIGHT OF THE STRUCTURE PLUS THE SUPERIMPOSED DEAD LOAD.
10. LIVE LOAD (LL) REDUCTION HAS NOT BEEN USED.
11. UNLESS OTHERWISE NOTED, DESIGN LOADS SHOWN ON DRAWINGS ARE SPECIFIED (UNFACTORED) LOADS, TO BE USED FOR ULS DESIGN. FOR SLS DESIGN, THESE LOADS CAN BE REDUCED BY MULTIPLYING WITH THE RATIO OF APPROPRIATE IMPORTANCE FACTORS $k_s(SLS) / k_s(ULS)$ GIVEN BELOW.
12. IF ONLY ONE VALUE IS GIVEN FOR A LOAD, CONSIDER IT LIVE LOAD.
13. FOR CONNECTION LOADS, " + " SIGN INDICATES TENSION AND " - " SIGN INDICATES COMPRESSION, EXCEPT FOR COLUMN LOADS WHERE " + " SIGN INDICATES COMPRESSION AND " - " SIGN INDICATES TENSION.
14. SNOW:

 $S_s = 2.9 \text{ kPa}$ $S_r = 0.2 \text{ kPa}$ $I_s (ULS) = 1.0$ $I_s (SLS) = 0.9$

MINIMUM UNFACTORED SNOW LOAD = $2.52 \text{ kPa} \times I_s$
15. RAIN:

24 HOUR RAINFALL = 103 mm
16. LATERAL LOADS IN THIS STRUCTURE ARE RESISTED BY SHEAR WALLS, AND ARE DETERMINED BASED ON THE WIND AND SEISMIC DATA BELOW.
17. WIND:

 $q_{50} = 0.58 \text{ kPa}$ $I_w (ULS) = 1.0$ $I_w (SLS) = 0.75$

BUILDING IS: LOW RISE
TERRAIN TYPE: OPEN
INTERNAL PRESSURE CATEGORY: 1

 $C_e = 0.9$

WIND LOAD AT GRADE LEVEL FOR DESIGN OF OVERALL BUILDING LATERAL LOAD RESISTING SYSTEM: 0.83 kPa.
18. SEISMIC:

 $S_a(0.2) = 0.087$ $S_a(5.0) = 0.0058$ SITE CLASS C
 $S_a(0.5) = 0.065$ $S_{as}(0.5) = 0.0025$
 $S_a(1.0) = 0.043$ $PGA = 0.051$
 $S_a(2.0) = 0.023$ $PGV = 0.052$

SEISMIC FORCE RESISTING SYSTEM (SFRS): CONVENTIONAL CONSTRUCTION / STEEL BRACING

SHOP DRAWINGS

1. REFER TO SPECIFICATIONS FOR SHOP DRAWINGS WHICH NEED TO BE SUBMITTED FOR REVIEW.
2. REVIEW OF SHOP DRAWINGS BY WSP-S IS ON A SAMPLING BASIS, FOR GENERAL CONFORMITY WITH STRUCTURAL CONTRACT DOCUMENTS. IT IS NOT A DETAILED CHECK AND MUST NOT BE CONSTRUED AS RELIEVING THE CONTRACTOR OF HIS RESPONSIBILITY TO MAKE THE WORK ACCURATE AND IN CONFORMITY WITH ALL THE CONTRACT DOCUMENTS, TO REVIEW SHOP DRAWINGS AND TO COORDINATE WORK OF INTERFACING TRADES AND MANUFACTURE OF INTERFACING PRODUCTS.
3. REVIEW OF SHOP DRAWINGS DOES NOT IMPLY ANY CHANGE IN ANY OTHER CONSULTANTS' OR PROFESSIONALS' RESPONSIBILITIES RELATED TO DESIGN OF SPECIFIC ITEMS AS OUTLINED BY THE SPECIFICATIONS.
4. ALLOW A MINIMUM OF 10 WORKING DAYS FOR REVIEW OF EACH SUBMISSION OF SHOP DRAWINGS IN WSP-S OFFICE. ALLOW MORE TIME WHEN LARGE QUANTITIES OF SHOP DRAWINGS ARE SUBMITTED. SUBMIT IN GENERAL CONFORMITY WITH THE SEQUENCE OF CONSTRUCTION INTENDED.
5. AFTER REVIEW, THE DRAWINGS WILL BE STAMPED AND RETURNED. DO NOT COMMENCE FABRICATION UNTIL RETURNED SHOP DRAWINGS HAVE BEEN EXAMINED.
6. SHOP DRAWINGS MARKED " REVIEWED" CAN BE USED FOR FABRICATION. DO NOT MAKE ANY CHANGES OR ADDITIONS TO THESE DRAWINGS WITHOUT NOTIFYING THE CONSULTANT.
7. SHOP DRAWINGS MARKED " REVIEWED AS NOTED" CAN BE USED FOR FABRICATION AFTER THE REVISIONS NOTED ARE IMPLEMENTED. DO NOT MAKE ANY FURTHER CHANGES OR ADDITIONS TO THESE DRAWINGS WITHOUT NOTIFYING THE CONSULTANT.

8. SHOP DRAWINGS MARKED " REVISE AND RESUBMIT" REQUIRE SUBSTANTIAL REVISIONS AND MUST BE RESUBMITTED FOR ADDITIONAL REVIEW PRIOR TO FABRICATION. ALL CHANGES AND ADDITIONS TO THE PREVIOUS SUBMISSION TO BE CLEARLY IDENTIFIED ON THE RESUBMITTED DRAWINGS. ONLY THE IDENTIFIED CHANGES WILL BE REVIEWED ON RE-SUBMISSION.
9. SHOP DRAWINGS MARKED " REVIEWED FOR IMPACT ON BASE STRUCTURE ONLY" SHOW WORKS WHICH ARE NOT WITHIN THE SCOPE OF STRUCTURAL CONSULTING SERVICES BUT AFFECT BEHAVIOUR OF THE BASE STRUCTURE. WSP-S WILL NOT REVIEW DESIGN OF THESE WORKS AND ASSUMES THAT THE INDICATED WEIGHTS AND ALL OTHER LOADS IMPOSED ON THE BASE STRUCTURE ARE CORRECTLY IDENTIFIED BY THE DESIGNER / SUPPLIER OF THESE ELEMENTS.
10. DRAWINGS MARKED " NOT REVIEWED" SHOW WORKS WHICH ARE NOT WITHIN THE SCOPE OF STRUCTURAL CONSULTING SERVICES AND DO NOT IMPACT THE BASE BUILDING STRUCTURE.
11. EXCEPT FOR TOWER CRANE AND EXCAVATION SHORING (WHICH WILL BE REVIEWED FOR IMPACT ON THE BASE STRUCTURE ONLY), WSP-S WILL NOT REVIEW DESIGN AND IMPLEMENTATION OF ANY TEMPORARY WORKS, NOR ASSESS IMPACT OF THESE WORKS ON THE BASE STRUCTURE. THE CONTRACTOR AND / OR THE PROFESSIONAL ENGINEER ENGAGED BY THE CONTRACTOR MUST ENSURE THAT THE BASE STRUCTURE IS NOT ADVERSELY AFFECTED BY THE TEMPORARY WORKS AND CONSTRUCTION PROCESS AND THAT TEMPORARY LOADS DO NOT EXCEED THE DESIGN LOADS INDICATED ON STRUCTURAL DRAWINGS.
12. DO NOT USE SHOP DRAWINGS AS A MEANS TO PROPOSE SUBSTITUTIONS OR ALTERNATIVES TO THE MATERIALS, PRODUCTS OR DETAILS INDICATED IN CONTRACT DOCUMENTS. SUCH SHOP DRAWINGS WILL BE MARKED " REVISE AND RESUBMIT" .
13. PROVIDE FINAL RECORD DRAWINGS AFTER ALL CORRECTIONS ARE MADE.

FIELD REVIEW

1. WSP-S WILL PROVIDE PERIODIC FIELD REVIEW OF A REPRESENTATIVE SAMPLE OF THE STRUCTURAL WORKS DETAILED ON THESE DRAWINGS FOR GENERAL CONFORMANCE WITH CONTRACT DOCUMENTS. THESE REVIEWS DO NOT REPLACE THE CONTRACTOR'S RESPONSIBILITY TO IMPLEMENT AND MAINTAIN A QUALITY CONTROL PROGRAM, AND DO NOT MAKE WSP-S A GUARANTOR OF THE CONTRACTOR'S WORK.
2. CONSTRUCTION REVIEW REPORTS WILL OUTLINE ANY DEFICIENCIES FOUND.
3. ASSIST WSP-S DURING FIELD REVIEW, AND PROVIDE SAFE ACCESS TO WORK AREAS AS REQUIRED.
4. CHECK THE WORK PRIOR TO FIELD REVIEW TO CONFIRM IT IS COMPLETED AND IN ACCORDANCE WITH CONTRACT DOCUMENTS.
5. BRING TO THE ATTENTION OF WSP-S ANY DEFICIENCIES FOUND IN THE WORK TOGETHER WITH A PROPOSAL FOR REMEDY. WSP-S WILL DECIDE WHAT CORRECTIVE ACTION MAY BE TAKEN AND ISSUE THE NECESSARY INSTRUCTIONS.
6. PROVIDE REASONABLE NOTICE (NOT LESS THAN 24 HOURS) TO ALLOW FOR THE FIELD REVIEW OF THE FOLLOWING:

1. CONCRETE WALLS, BEAMS AND COLUMNS

BEFORE CLOSING FORMS

2. ALL OTHER CONCRETE

BEFORE EACH CONCRETE POUR

3. STRUCTURAL STEEL

BEFORE COVERING UP OR PLACING STEEL DECK

4. ROOF DECK

BEFORE POUR
7. SCHEDULE REVIEW WORK TO OCCUR DURING NORMAL BUSINESS HOURS.
8. ORGANIZE FOR FIELD REVIEW OF ALL PROPRIETARY PRODUCTS AND OTHER STRUCTURAL WORKS DESIGNED BY SPECIALTY ENGINEERS. THE REVIEW TO BE BY THE ENGINEERS RESPONSIBLE FOR THE DESIGN OR BY OTHER ENGINEERS DESIGNATED BY THE ENGINEERS RESPONSIBLE FOR THE DESIGN AND LICENSED IN THE PLACE WHERE THE PROJECT IS LOCATED. SUBMIT CONSTRUCTION REVIEW REPORTS FOR CONSULTANT'S RECORD.

FOUNDATIONS

1. STRUCTURAL DESIGN IS BASED ON THE GEOTECHNICAL REPORT PREPARED BY: EXP SERVICES INC. REPORT NUMBER: OTT-00245997 DATED: MAY 4, 2018.
2. THERMOSYPHON DESIGN IS BASED ON GEOTHERMAL REPORT BYU NAVIG CONSULTING INC. AND ARDENT INNOVATION INC. REPORT J067.
3. REFER TO THE GEOTECHNICAL REPORT AND GEOTHERMAL FOR DETAILED INFORMATION ON GEOTECHNICAL CONDITIONS, FOUNDATION RECOMMENDATIONS, AND FOR ALL EARTHWORK INCLUDING EXCAVATION, BACKFILL AND SUBGRADE PREPARATION.
4. ASSUMED SOIL BEARING RESISTANCE: 90 kPa AT SLS (SERVICEABILITY LIMIT STATES DESIGN)
5. MODULUS OF SUBGRADE REACTION ASSUMED FOR DESIGN OF SLABS ON GRADE IS 35 kN/m3. CONSTRUCT SUBGRADE IN ACCORDANCE WITH SOILS REPORT.
6. LOCATE ALL EXISTING UNDERGROUND SERVICES PRIOR TO EXCAVATION.
7. KEEP EXCAVATION DRAINED AND FREE OF WATER AT ALL TIMES.
8. PROTECT FOOTINGS, SLABS-ON-GRADE AND ADJACENT SOIL AGAINST FREEZING AND FROST ACTION AT ALL TIMES DURING CONSTRUCTION. DO NOT POUR CONCRETE AGAINST FROZEN EARTH.
9. DO NOT USE EARTH FORMS UNLESS APPROVED IN WRITING BY WSP-S AND GEOTECHNICAL CONSULTANT. FOR ELEMENTS APPROVED TO BE CAST AGAINST SOIL, INCREASE FOOTING SIZE SHOWN ON DRAWINGS AS REQUIRED TO OBTAIN 75 (3") CONCRETE COVER AGAINST SOIL.
10. UNLESS OTHERWISE NOTED, LAP ALL HORIZONTAL GRADE BEAM REINFORCEMENT WITH CLASS B LAPS. CARRY CONTINUOUSLY THROUGH PIERS AND PILE CAPS WHERE APPLICABLE.
11. PLACE ANCHOR RODS AND DOWELS BEFORE CONCRETE IS CAST. USE TEMPLATES TO KEEP IN POSITION.

CONCRETE REINFORCEMENT

1. REINFORCEMENT TO CONFORM TO THE FOLLOWING STANDARDS:

DEFORMED BARS – CSA G30.18, GRADE 400R OR 400W
2. BARS MARKED CONTINUOUS TO BE TERMINATED IN STANDARD HOOKS AT ENDS AND SPLICED USING CLASS B LAPS. FOR LAP LENGTHS AND DEVELOPMENT LENGTHS, REFER TO TYPICAL DETAILS TC-REINF-01.
3. ALL REBAR HOOKS TO BE STANDARD LENGTH 90° OR 180° HOOKS. REBAR LENGTHS LISTED ON DRAWINGS DO NOT INCLUDE THE HOOK LENGTH.
4. UNLESS A SPECIFIC STIRRUP SHAPE IS INDICATED ON PLANS OR SCHEDULES, ALL STIRRUPS TO BE CLOSED HOOPS. NUMBER OF STIRRUPS DENOTES THE NUMBER OF FULL STIRRUPS, EACH HAVING TWO LEGS
5. WHERE TWO BARS OF DIFFERENT SIZE ARE LAPPED IN TENSION, SPLICE LENGTH TO BE EQUAL TO THE SMALLER BAR'S TENSION LAP SPLICE, OR TO THE LARGER BAR'S TENSION DEVELOPMENT LENGTH, WHICHEVER IS LONGER.
6. WHERE TWO BARS OF DIFFERENT SIZE ARE LAPPED IN COMPRESSION, SPLICE LENGTH TO BE EQUAL TO THE SMALLER BAR'S COMPRESSION LAP SPLICE, OR TO THE LARGER BAR'S COMPRESSION DEVELOPMENT LENGTH, WHICHEVER IS LONGER.
7. FOR BUNDLED BARS, FULLY STAGGER SPLICES OF EACH INDIVIDUAL BAR IN THE BUNDLE.
8. PROVIDE ADDITIONAL SUPPORT BARS AS REQUIRED TO ADEQUATELY SUPPORT AND SECURE ALL REINFORCEMENT AND PREVENT MOVEMENT WHEN PLACING CONCRETE.
9. PROVIDE SUFFICIENT CHAIRS TO REINFORCING TO MAINTAIN SPECIFIED CONCRETE COVER.
10. PLACE REINFORCEMENT IN SLABS ON GRADE AT 1/3 SLAB THICKNESS BELOW TOP OF SLAB. PROVIDE ADEQUATE CHAIRS TO KEEP IN SPECIFIED POSITION. LIFTING REINFORCEMENT AFTER CONCRETE IS POURED TO BRING IT IN POSITION IS NOT ACCEPTABLE.
11. ALL REINFORCING TO BE CLEAN, FREE OF LOOSE SCALE, OIL, DIRT, RUST, AND ANY OTHER FOREIGN COATING THAT AFFECT BONDING CAPACITY.
12. MINIMUM CLEAR SPACING BETWEEN ADJACENT BARS TO BE AT LEAST 1.4 TIMES THE BAR DIAMETER OR 1.4 TIMES THE NOMINAL MAXIMUM SIZE OF THE COARSE AGGREGATE, WHICHEVER IS MORE.
13. WHERE PARALLEL REINFORCEMENT IS PLACED IN TWO OR MORE LAYERS, POSITION BARS IN UPPER LAYER DIRECTLY ABOVE THE BARS IN LOWER LAYER, MAINTAINING THE MINIMUM CLEAR SPACING BETWEEN LAYERS AS SPECIFIED ABOVE.
14. UNLESS NOTED OTHERWISE ON DRAWINGS MINIMUM CONCRETE COVER TO PRINCIPAL REINFORCEMENT TO BE AS FOLLOWS:

EXPOSURE CLASS:	N, N-CF	F1, F2, S1, S2, S3 C-XL	C1, C2, C3
SURFACES CAST AGAINST GROUND	75 (3")		
FOOTINGS, RAFT FOUNDATIONS, PILE CAPS WITHOUT TIES	35M: 40 (1-5/8")	25M: 40 (1-5/8") 30M: 45 (1-3/4") 35M: 55 (2-1/8")	30M: 60 (2-3/8") 35M: 75 (3")
PILES, PILE CAPS WITH TIES, PIERS, GRADE BEAMS	35M: 55 (2-1/8")		35M: 75 (3")
SLAB ON GRADE – TOP COVER	25M: 25 (1")	20M: 30 (1-1/4") 25M: 40 (1-5/8")	20M: 40 (1-5/8") 25M: 50 (2")
SLAB ON GRADE NOT CAST AGAINST GROUND – BOTTOM COVER (CAST ON MUD SLAB, VAPOUR BARRIER, RIGID INSULATION)	25M: 40 (1-5/8")		30M: 60 (2-3/8")

NOTES:

1. COVERS SHOWN ABOVE MEET 2h FIRE RATING REQUIREMENTS; SEE DRAWINGS FOR AREAS WHICH REQUIRE 3 OR 4 HOUR FIRE RATING AND PROVIDE INCREASED COVER AS INDICATED.
2. COVERS SHOWN ABOVE ASSUME 20 (3/4") MAXIMUM NOMINAL SIZE OF CONCRETE AGGREGATE
3. FOR BUNDLED BARS, PROVIDE COVER REQUIRED FOR A SINGLE BAR WITH EQUIVALENT CROSS-SECTIONAL AREA. FOR EXAMPLE, 2-25M BUNDLED BARS WITH TOTAL CROSS-SECTIONAL AREA = 1000mm² ARE EQUIVALENT TO 1-35M BAR, THEREFORE USE COVER TO BUNDLED BARS SAME AS COVER TO 1-35M BAR.
4. FOR BARS WITH 90° HOOKS, MINIMUM COVER NOT TO BE LESS THAN SHOWN ON TC-REINF-01/02.

PRE-ENGINEERED BUILDING

1. PRE-ENGINEERED METAL BUILDING TO BE DESIGNED, DETAILED AND ERECTED BY THE BUILDING SUPPLIER CERTIFIED TO CSA A660, IN ACCORDANCE WITH THE NATIONAL BUILDING CODE - 2015 CSA S16 AND CSA S136.
2. BUILDING SUPPLIER TO RETAIN A PROFESSIONAL ENGINEER REGISTERED IN NWT/NUNAVUT RESPONSIBLE FOR DESIGN, DETAILING AND ERECTION OF THE PRE-ENGINEERED BUILDING. THE ENGINEER TO HOLD A CERTIFICATE OF AUTHORIZATION AND TO CARRY MIN. \$1,000,000 IN LIABILITY INSURANCE.
3. PROVIDE DESIGN DRAWINGS AND CALCULATIONS SIGNED AND SEALED BY THE ENGINEER RESPONSIBLE FOR DESIGN FOR WSP-S RECORDS. THE DRAWINGS TO INDICATE ALL THE LOADING DATA (INCLUDING WIND AND SEISMIC LOADS) USED FOR DESIGN.
4. PROVIDE ERECTION AND FABRICATION DRAWINGS SIGNED AND SEALED BY THE ENGINEER RESPONSIBLE FOR DESIGN FOR WSP-S REVIEW. DRAWINGS TO SHOW ALL THE LOADS ACTING ON FOUNDATIONS (SLS AND ULS).
5. BUILDING ANCHORAGE TO BE DESIGNED BY PRE-ENG BUILDING SUPPLIER.
6. WELDING TO BE PERFORMED BY A FIRM CERTIFIED BY THE CANADIAN WELDING BUREAU UNDER REQUIREMENTS OF CSA W47.1, DIVISION 1 OR 2 AND/OR CSA W55.3.
7. WELDERS TO BE CWB CERTIFIED. WELDING TO BE IN ACCORDANCE TO CSA W59.
8. STRUCTURAL STEEL MATERIALS: TO CSA G40.21, ASTM A1085 OR ASTM A500.
9. COLD FORM MEMBERS: ASTM A 1011 GRADE 55 (380), OR ASTM A 653, GRADE 55 (380). FINISH G-90 PRE-GALVANIZED
10. DEFLECTION CRITERIA:

- DEFLECTION AT SPECIFIED LOAD SHALL NOT EXCEED:
 - ROOF PANELS 1/240 OF SPAN
 - ROOF FURLINS 1/240 OF SPAN
 - WALL PANELS 1/180 OF SPAN
 - WALL GIRTS FOR PANELS 1/180 OF SPAN
 - WALL GIRTS FOR MASONRY 1/480 OF SPAN
 - .7 DEFLECTION OF RIGID FRAMES AT SPECIFIED LOADS SHALL NOT EXCEED:
 - VERTICAL DEFLECTION 1/240 OF SPAN
 - HORIZONTAL DEFLECTION 1/240 OF HEIGHT
11. ALL HOT ROLLED MEMBERS WHICH DO NOT REQUIRE SPECIAL FINISH OR PROTECTION TO BE CLEANED TO SSPC-SP1 (SOLVENT CLEANING) AND PAINTED WITH ONE COAT OF SHOP PRIMER PER CISC/CPMA 1-73a.
12. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR ALL MEMBERS WHICH REQUIRE SPECIAL FINISH OR PROTECTION AND PROVIDE SURFACE PREPARATION AND SHOP PAINTING / GALVANIZING AS REQUIRED.
13. THE ENGINEER RESPONSIBLE FOR DESIGN AND ERECTION TO PROVIDE CONSTRUCTION REVIEW AND SUBMIT CONSTRUCTION REVIEW REPORTS FOR WSP-S RECORDS.
14. ON COMPLETION OF ERECTION, SUBMIT A LETTER SIGNED AND SEALED BY THE PROFESSIONAL ENGINEER RESPONSIBLE FOR DESIGN AND ERECTION THAT THE WORK HAS BEEN COMPLETED IN ACCORDANCE WITH ALL CONTRACT DOCUMENTS.

VERNE REIMER
ARCHITECTURE

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CAST-IN-PLACE CONCRETE

1. CONCRETE IS SPECIFIED PER ALTERNATIVE 1 - PERFORMANCE SPECIFICATION, AS OUTLINED IN CSA A23.1. THE CONTRACTOR AND THE CONCRETE SUPPLIER TO MEET ALL CERTIFICATION, DOCUMENTATION, AND QUALITY CONTROL REQUIREMENTS.
2. CONTRACTOR AND CONCRETE SUPPLIER TO ENSURE THAT PLASTIC AND HARDENED MIX PROPERTIES MEET SITE REQUIREMENTS FOR PLACING, FINISHING AND THE SPECIFIED PERFORMANCE REQUIREMENTS.
3. CEMENT TO BE PORTLAND CEMENT TYPE GU UNLESS NOTED OTHERWISE OR REQUIRED BY EXPOSURE CLASS.
4. CONCRETE TO BE NORMAL DENSITY (MIN. 2300 kg/m3) UNLESS NOTED OTHERWISE.
5. NOMINAL MAXIMUM SIZE OF COARSE AGGREGATE TO BE 20 (3/4") UNLESS NOTED OTHERWISE.
6. UNLESS NOTED OTHERWISE, CONCRETE TO BE IN ACCORDANCE WITH THE FOLLOWING SCHEDULE:

ELEMENT	COMPRESSIVE STRENGTH (MPa) AT 28 DAYS (SEE NOTE #3 BELOW)	EXPOSURE CLASS	SPECIAL REQUIREMENTS & REMARKS
SLAB-ON-GRADE (HEATED, INTERIOR AREAS)	35	S1	FOR SLABS 125 (5") AND THICKER, NOMINAL MAXIMUM SIZE OF COARSE AGGREGATE 40 (1-1/2"), CONCRETE COVER NOT TO BE LESS THAN 40 (1-1/2") *** AT RESILIENT FINISHES, USE W/CM <0.45.
SLAB-ON-GRADE (UNHEATED VEHICLE ACCESSIBLE AREAS), SIDEWALKS, FROST SLABS	35	C1	FOR SLABS 125 (5") AND THICKER, NOMINAL MAXIMUM SIZE OF COARSE AGGREGATE 40 (1-1/2") CONCRETE COVER NOT TO BE LESS THAN 60 (2-3/8") *** **Min. 32 MPa***

NOTES:

1. WHERE EXPOSURE CLASS IS NOTED " N / F2" , USE " F-2" EXPOSURE CLASS FOR PERIMETER AND EXTERIOR NON-INSULATED ELEMENTS ABOVE THE FROST LINE, AND FOR ELEMENTS IN INTERIOR UNHEATED SPACES, WHICH ARE SUSCEPTIBLE TO FREEZING. USE " N" EXPOSURE CLASS FOR ELEMENTS PROTECTED FROM FREEZING.
2. LIMIT NOMINAL MAXIMUM AGGREGATE SIZE TO 10 (3/8") FOR COLUMNS WITH SMALLEST DIMENSION LESS THAN 300 (12") AND FOR WALLS LESS THAN 200 (8") THICK
3. WHERE HVSCM (AS DEFINED IN CSA A23.1) OR ANY CLASS " S" EXPOSURE CONCRETE IS USED, SPECIFIED CONCRETE STRENGTH TO BE ATTAINED AT 56, RATHER THAN AT 28 DAY.
4. MINIMUM DOSAGE OF CORROSION INHIBITOR IS 10L/m3 OF 30% SOLUTION OF CALCIUM NITRITE, AS PER CSA-S413.
5. REFER TO CSA A23.1 FOR THE MAXIMUM WATER/CEMENT RATIO, MINIMUM COMPRESSIVE STRENGTH, AIR CONTENT, CURING REQUIREMENTS, CHLORIDE ION PENETRABILITY AND ALTERNATE CEMENT TYPES TO MEET THE REQUIREMENTS FOR THE NOTED EXPOSURE CLASS.
6. WHERE REQUIRED BY SPECIFICATIONS, PROVIDE MINIMUM AMOUNT OF SUPPLEMENTAL CEMENTING MATERIALS SPECIFIED FOR THE OVERALL PROJECT.
7. DO NOT ADD WATER TO CONCRETE ON SITE.
8. CONVEY CONCRETE FROM TRUCK TO FINAL LOCATION BY METHODS WHICH WILL PREVENT SEPARATION OR LOSS OF MATERIAL. MAXIMUM FREE FALL NOT TO EXCEED 1.5m (5'-0"). CONSOLIDATE CONCRETE USING MECHANICAL VIBRATORS.
9. PLACE CONCRETE AS CLOSE AS POSSIBLE TO FINAL LOCATION TO AVOID SEGREGATION. VIBRATE ALL CONCRETE.
10. PROTECT CONCRETE FROM FREEZING. DO NOT PLACE CONCRETE AGAINST FROZEN GROUND. USE COLD WEATHER CONCRETING METHODS IN ACCORDANCE WITH CSA-A23.1.
11. PROTECT CONCRETE FROM EXCESSIVE HEAT AND DRYING. USE HOT WEATHER CONCRETING METHODS IN ACCORDANCE WITH CSA-A23.1.
12. SLABS AND BEAMS

1. SURVEY TOP OF FORMWORK / SLAB ELEVATIONS AT SUPPORTS, AT MIDSPAN BETWEEN SUPPORTS, AT CENTERS OF BAYS, AND AT CANTILEVERED ENDS AT THE FOLLOWING TIMES:
- BEFORE CONCRETE PLACEMENT
 - AFTER CONCRETE PLACEMENT BUT PRIOR TO REMOVAL OF SUPPORTING FALSEWORK
 - AFTER REMOVAL OF SUPPORTING FALSEWORK
- SUBMIT SURVEY DATA FOR ENGINEER' S RECORD.
2. DO NOT USE LASER LEVEL WHEN POURING CAMBERED SLABS AND SLABS SUPPORTED BY CAMBERED BEAMS. USE SCREED PINS TO MAINTAIN THE SPECIFIED SLAB THICKNESS.
3. DO NOT USE STEEL TROWEL TO FINISH AIR-ENTRAINED CONCRETE.
13. CONSTRUCTION & CONTROL JOINTS

1. PROVIDE JOINTS WHERE SPECIFIED OR SHOWN ON DRAWINGS. LOCATE SO AS NOT TO IMPAIR THE REQUIRED STRENGTH OF THE STRUCTURE. SUBMIT JOINT LAYOUT FOR WSP-S REVIEW AND APPROVAL. A MINIMUM OF 2 WEEKS PRIOR TO POURING CONCRETE. REFER TO TYPICAL DETAILS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. UNLESS OTHERWISE NOTED, PROVIDE STANDARD CONTINUOUS 38 x 89 (2x4) FORMED KEYS AT ALL CONSTRUCTION JOINTS. CENTER AT JOINTS AND CHAMFER SIDES.
3. IF A SPECIFIC CONSTRUCTION JOINT DETAIL IS SHOWN ON DRAWINGS, IT CAN NOT BE SUBSTITUTED BY ANY ALTERNATIVE CONSTRUCTION JOINT DETAIL.
4. HORIZONTAL CONSTRUCTION JOINTS IN CONCRETE WALLS (OTHER THAN AT UNDERSIDE OF SLABS) ARE NOT PERMITTED, EXCEPT WHERE SHOWN ON THESE DRAWINGS.
5. CAST CONCRETE BEAMS INTEGRALLY WITH SLABS (WITH NO HORIZONTAL CONSTRUCTION JOINTS) UNLESS OTHERWISE SHOWN ON DRAWINGS.
6. DO NOT PLACE CONTROL JOINTS IN STRUCTURAL SLAB ON GRADE; PROVIDE CONSTRUCTION JOINTS AS DESCRIBED FOR FORMED SLABS.
7. BONDED TOPPING: JOINTS TO MATCH LOCATIONS OF THOSE IN BASE SLAB.
8. FOUNDATION WALLS AND GRADE BEAMS: PROVIDE VERTICAL CONSTRUCTION JOINTS AT 30m (100ft) MAXIMUM. LOCATE JOINTS IN GRADE BEAMS AND FOUNDATION WALLS ACTING AS BEAMS (SPANNING BETWEEN FOOTINGS OR PILES) WITHIN THE MIDDLE THIRD OF THEIR SPAN.

STRUCTURAL STEEL

1. CONFORM TO CSA S16.
2. MATERIALS: TO CSA G40.21 UNLESS OTHERWISE NOTED, WITH THE FOLLOWING GRADES: W, WWF AND S SECTIONS, CHANNELS AND ANGLES: ASTM A992, GRADE 50 (345MPa). PLATES, BARS: 300W HOLLOW STRUCTURAL SECTIONS: 350W CLASS " C OR H" PIPE: ASTM A53, 240W BOLTS: ASTM F3125 GRADE A325M, UNLESS NOTED HEADED STUDS: CSA W59, TYPE B, min. Fy= 350 MPa ANCHOR RODS: ASTM F1554 GRADE 36
3. DETAILS ON STRUCTURAL DRAWINGS SHOW DESIGN INTENT. REFER TO SPECIFICATIONS FOR CONNECTION DESIGN, DETAILING, FABRICATION, AND ERECTION REQUIREMENTS.
4. CONNECT BEAMS FOR THE FORCES SHOWN; IF NO FORCE IS INDICATED, CONNECT NON COMPOSITE BEAMS FOR THE REACTION DUE TO MAXIMUM UNIFORMLY DISTRIBUTED LOAD CAPACITY OF THE BEAM IN BENDING, AND CONNECT COMPOSITE BEAMS FOR ONE AND A HALF TIMES THE REACTION DUE TO MAXIMUM UNIFORMLY DISTRIBUTED LOAD CAPACITY OF THE NON COMPOSITE SECTION IN BENDING.
5. DO NOT CUT HOLES OR OTHERWISE MODIFY STRUCTURAL MEMBERS ON SITE.
6. CLEAN SURFACES DOWN TO BARE METAL AND APPLY TWO COATS OF ZINC-RICH TOUCH-UP PAINT TO ANY GALVANIZED SURFACE THAT HAS BEEN DAMAGED OR FIELD WELDED.
7. PROVIDE ALL ERECTION BRACING REQUIRED TO KEEP THE STRUCTURE STABLE AND IN ALIGNMENT DURING CONSTRUCTION.
8. PROVIDE 40 MPa NON SHRINK GROUT UNDER BASE PLATES. DO NOT APPLY ANY LOADS TO THE STEELWORK BEFORE GROUT ACHIEVES SUFFICIENT STRENGTH.
9. DO NOT APPLY LATERAL LOADS TO MEMBERS UNLESS APPROVED BY THE CONSULTANT.
10. ALL CONNECTIONS TO BE A325 HIGH STRENGTH BOLTED CONNECTIONS.

STEEL JOISTS

1. CONFORM TO CSA S16 AND CSA S136.
2. MATERIALS: TO CSA G40.21, ASTM A1085 OR ASTM A500.
3. DESIGN STEEL JOISTS FOR THE LOADS AND STIFFNESSES DESCRIBED ON THE STRUCTURAL DRAWINGS. IN ADDITION, DESIGN TOP AND BOTTOM JOIST CHORDS FOR 1.5 kN POINT LOAD APPLIED ANYWHERE ALONG THEIR LENGTH (UNLESS HIGHER LOAD IS INDICATED ON DRAWINGS). SEE PLANS FOR OTHER POINT LOADS, WALL LOADS, AND MECHANICAL LOADS.
4. DO NOT MODIFY STEEL JOISTS ON SITE.
5. TERMINATE BRIDGING BY ANCHORING TO FRAMING MEMBERS AND SUPPORTS, OR BY CROSS BRACED BRIDGING BAYS.
6. PROVIDE TIE JOISTS " TJ" AT COLUMNS FOR JOIST ERECTION STABILITY. BOTTOM CHORD ATTACHMENT MUST NOT INDUCE AXIAL LOAD IN JOIST.
7. WHEN SUSPENDING VERTICAL LOADS FROM TOP OR BOTTOM JOIST CHORDS, DISTRIBUTE HANGERS UNIFORMLY ALONG JOISTS. DO NOT CAUSE TWISTING OF JOISTS OR JOIST CHORDS. EXTEND HANGER RODS BETWEEN DOUBLE ANGLE CHORDS WHERE POSSIBLE; OTHERWISE ATTACH USING ONLY CLAMPS OR U-BOLTS. IF THE APPLIED LOAD IS MORE THAN 1.5 kN, LOCATE SUSPENSION POINT NOT MORE THAN 100 (4") FROM JOIST PANEL POINT.
8. DO NOT APPLY LATERAL LOADS TO ANY JOISTS.

ROOF & FLOOR DECK ASSEMBLIES

1. CONFORM TO CSA S136 FOR STEEL DECKING, AND TO CAST IN PLACE CONCRETE AND CONCRETE REINFORCEMENT NOTES.
- STEEL DECK MATERIAL: TO ASTM A653/653M OR ASTM A792/792M, GRADE230
2. REQUIRED DECK DEPTH AND CORE NOMINAL THICKNESS ARE SHOWN ON DRAWINGS: PROVIDE DECK PROFILE TO MEET THE LOADING AND PERFORMANCE REQUIREMENTS OUTLINED IN THE SPECIFICATIONS.
3. IF DIAPHRAGM SHEAR AND / OR DECK FASTENERS ARE NOT NOTED ON PLAN, MINIMUM DECK FASTENING REQUIREMENTS ARE AS FOLLOWS:
- TRANSVERSE (FRAME) FASTENERS
19 (3/4") DIAMETER ARC SPOT WELDS, OR HILTI DIRECT FASTENERS PLACED IN EVERY SECOND FLUTE (FOR DECKS WITH FLUTE SPACING OF 200 (8") OR LESS) OR IN EVERY FLUTE (FOR DECKS WITH FLUTE SPACING OF OVER 200 (8"), IN ADDITION, PLACE TWO FASTENERS IN FLUTES WHERE SIDE LAPS ARE MADE: AT INTERLOCKING JOINTS, LOCATE ONE FASTENER AT EACH SIDE OF LAP. WELDING CAN ONLY BE USED FOR FLOOR DECKS.
- LONGITUDINAL (PERIMETER) FASTENERS
TYPE TO MATCH TRANSVERSE FASTENERS, SPACED AT 450 (18") ON CENTRE
- SIDELAPS
MECHANICALLY CLINCHED (BUTTON PUNCHED), WELDED OR FASTENED WITH #10 SCREWS, SPACED AT 600 (24") ON CENTRE. WELDING AND CLINCHING CAN ONLY BE USED FOR FLOOR DECKS.
4. STEEL DECK IS DESIGNED TO SUPPORT UNIFORMLY DISTRIBUTED LOADS INDICATED ON DRAWINGS AND MAY NOT BE ABLE TO RESIST CONCENTRATED LOADS. IF CEILING IS PROPOSED TO BE HUNG DIRECTLY FROM STEEL ROOF DECK (OR FROM STEEL FLOOR DECK BEFORE CONCRETE IS POURED AND GAINED THE SPECIFIED STRENGTH), HANGER LOADS, LAYOUTS AND PROPOSED FASTENERS TO BE REVIEWED AND APPROVED BY A PROFESSIONAL ENGINEER RETAINED BY THE CONTRACTOR PRIOR TO INSTALLATION. DO NOT HANG ANY OTHER CONCENTRATED LOADS FROM STEEL ROOF DECK, ATTACH TO STRUCTURAL STEEL FRAMING INSTEAD.
5. DECK SUPPLIER TO DESIGN AND PROVIDE REINFORCING FOR ALL ROOF DECK OPENINGS BETWEEN 150 AND 450 WIDE, REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATIONS. CLEAR SPACING BETWEEN ADJACENT OPENINGS TO BE MIN. 3 TIMES THE WIDTH OF THE LARGER OPENING.
6. UNLESS OTHERWISE NOTED, DECK WITH CONCRETE TOPPING TO BE A COMPOSITE PROFILE.
7. REFER TO PLANS FOR COVER SLAB THICKNESS. TOTAL SLAB THICKNESS IS EQUAL TO COVER SLAB THICKNESS PLUS DECK DEPTH.
8. DO NOT INCREASE OR REDUCE SPECIFIED SLAB THICKNESS WHILE PLACING CONCRETE; TOP OF FINISHED CONCRETE WILL NOT NECESSARILY BE LEVEL DUE TO BEAM DEFLECTION OR CAMBER.
9. SLAB ON DECK SUPPORTED BY NON COMPOSITE BEAMS OR JOISTS:
1. UNLESS OTHERWISE SHOWN ON DRAWINGS, REINFORCE SLAB ON DECK AS FOLLOWS:
- 65 (2½") SLAB: WWF 152x152 – MW9.1 x MW9.1
76 (3") SLAB: WWF 152x152 – MW11.1 x MW11.1
89 (3½") SLAB: WWF 152x152 – MW13.3x MW13.3
114 (4½") SLAB: WWF 152x152 – MW18.7 x MW18.7 ORH 10 @ 400 (16") TEW
2. PROVIDE ADDITIONAL 10 @ 500 (20") T x 1200 (48") LG. AT ALL SUPPORTS WHERE THE DECK IS LAPPED OR CHANGES DIRECTION, AND OVER ALL INTERIOR GIRDERS.
3. ADD 2-10 x 1200 (48") lg. AT ALL RE-ENTRANT CORNERS AT DECK PERIMETER AND OPENINGS; CENTER ON CORNERS.
10. PROVIDE ADDITIONAL REINFORCING STEEL AROUND FLOOR DECK OPENINGS BETWEEN 150 AND 300 WIDE, REFER TO TYPICAL DETAILS.
11. SPLICE ALL REBAR WITH CLASS 'B' LAPS, AND PROVIDE STANDARD HOOKS ALONG SLAB EDGES AND OPENINGS.
12. SEE CONCRETE REINFORCEMENT NOTES FOR WELDED WIRE FABRIC LAP SPLICES.
13. PROVIDE SUFFICIENT CHAIRS TO REINFORCING TO MAINTAIN CONCRETE COVER SPECIFIED IN CONCRETE REINFORCEMENT NOTES.
14. HIGH CHAIRS TO BE CONTINUOUS, SEATED IN BOTTOM OF DECK FLUTES.
15. LOW CHAIRS TO BE CUT FROM REBAR AND PLACED ACROSS DECK FLUTES; LENGTH EQUAL TO FLUTE WIDTH.
16. REFER TO TYPICAL DETAILS FOR PIPE AND CONDUIT PLACEMENT GUIDELINES.
17. PRIOR TO CONCRETE PLACEMENT, STEEL DECK TO BE FREE OF SOIL, DEBRIS, STANDING WATER, LOSE MIL SCALE, AND OTHER FOREIGN MATTER.



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TYPICAL DETAILS

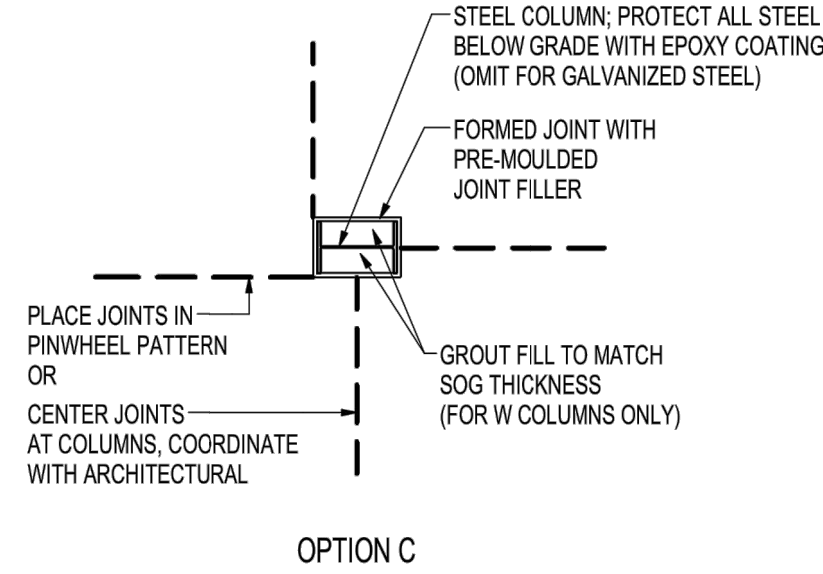
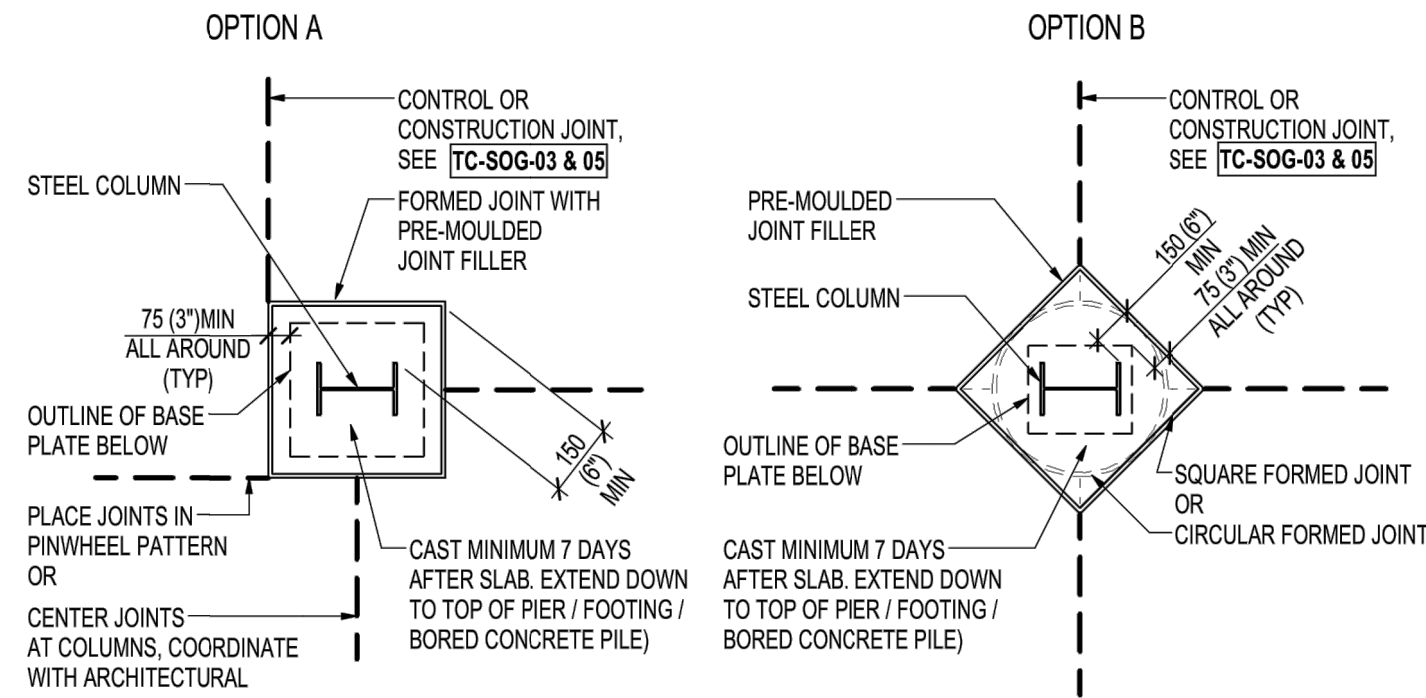
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SLAB ON GRADE JOINTS AROUND STEEL COLUMN

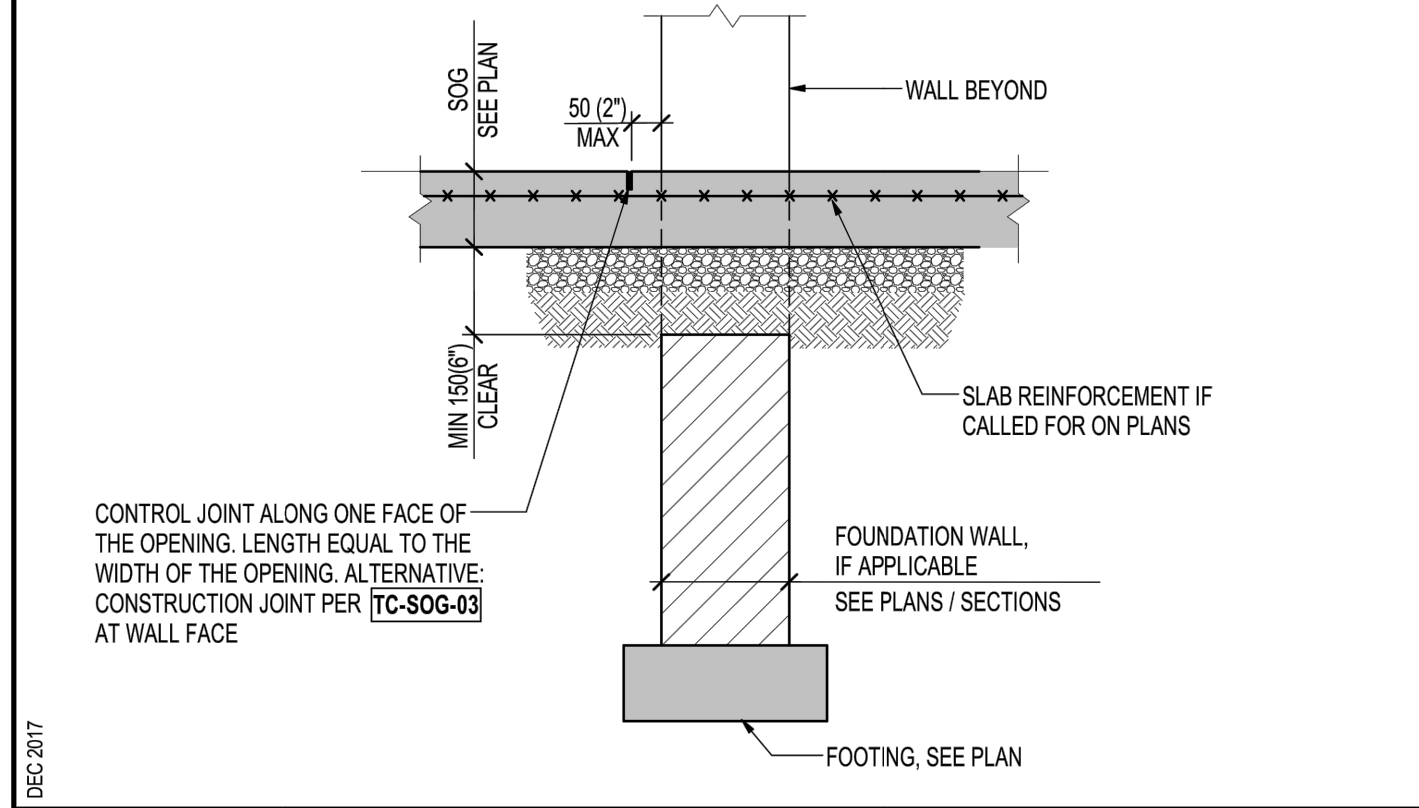
TC-SOG-02



NOTE:
SUBMIT PROPOSED JOINT LAYOUT AND DETAILS FOR REVIEW BY ARCHITECT AND WSP-S.

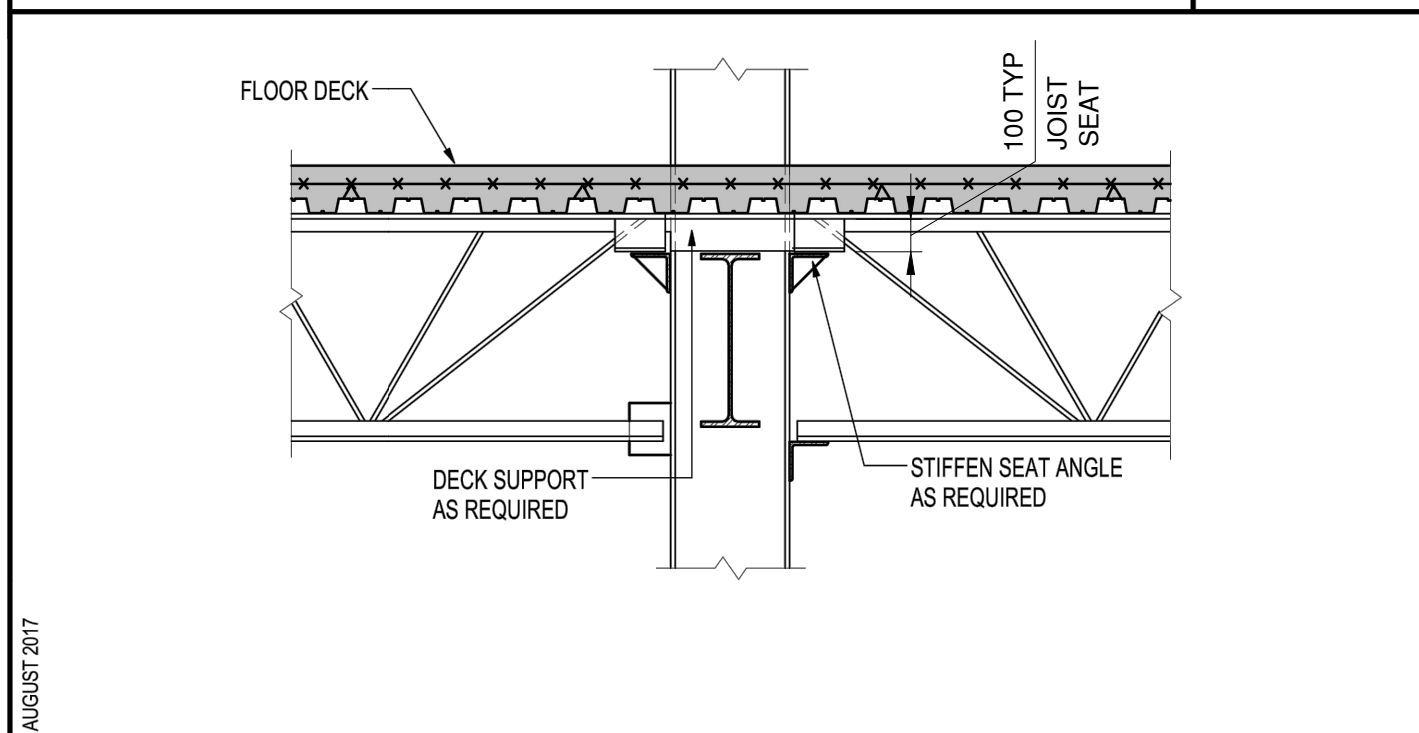
SLAB ON GRADE CONTROL JOINT AT INTERIOR DOORWAY

TC-SOG-06



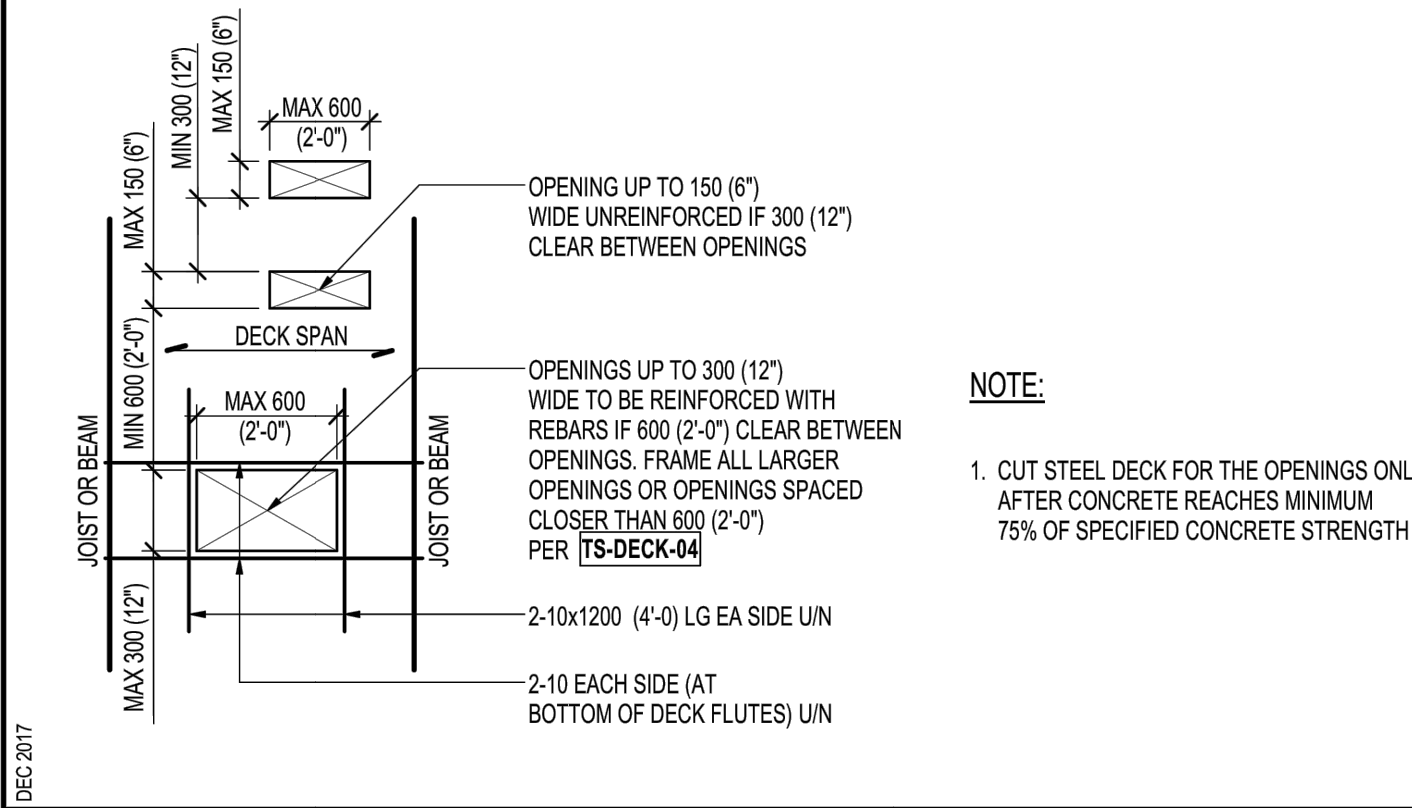
STEEL JOISTS AT COLUMNS

TS-JOIST-01



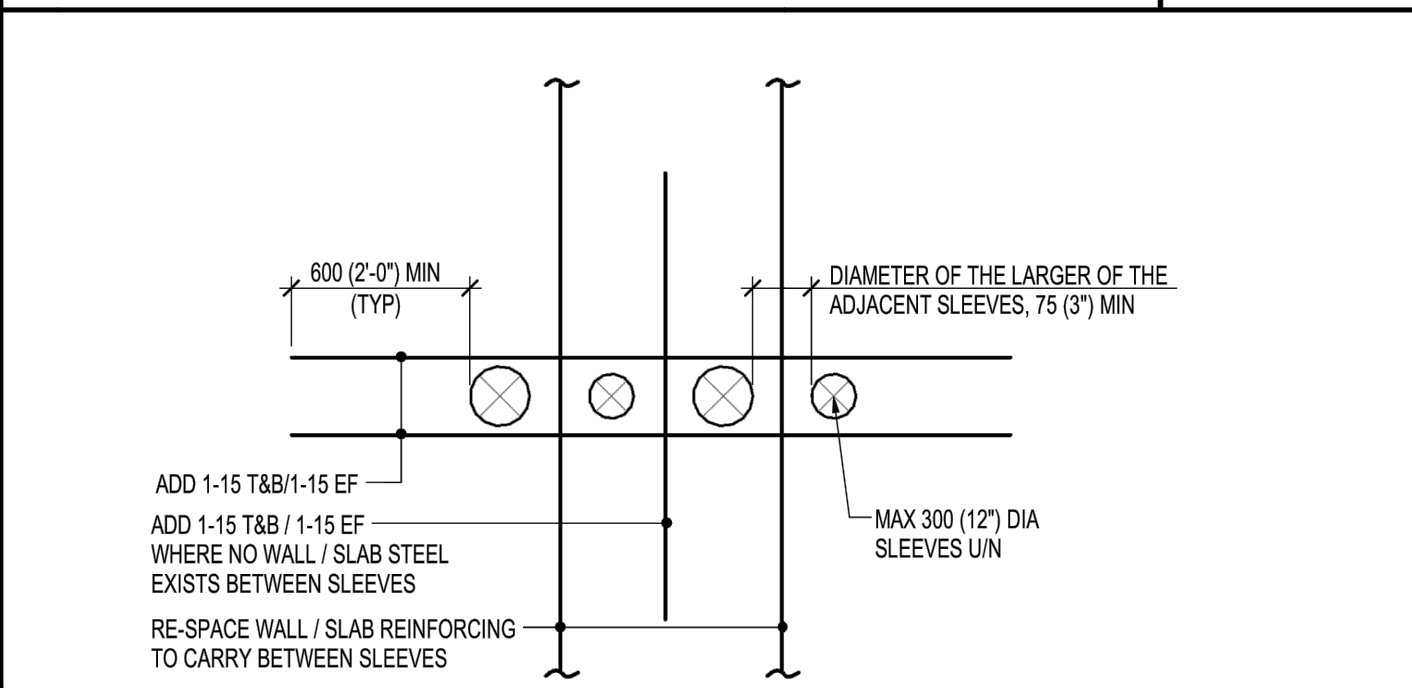
REINFORCEMENT AT OPENINGS IN SLAB ON DECK

TS-DECK-03



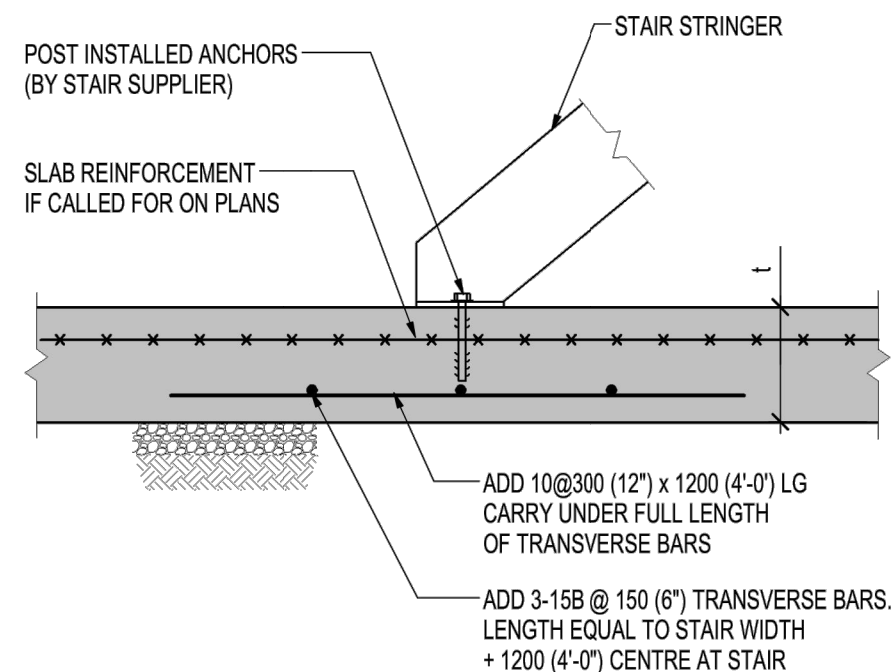
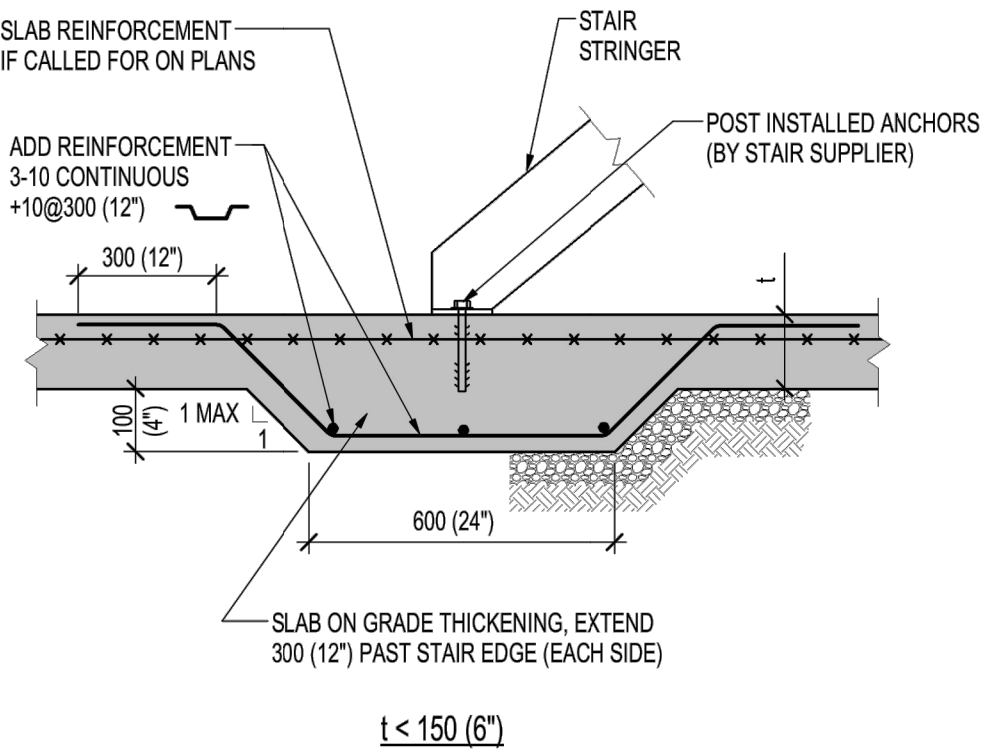
REINFORCING AROUND MULTIPLE SLEEVES THROUGH WALLS AND SLABS

TC-MISC-23



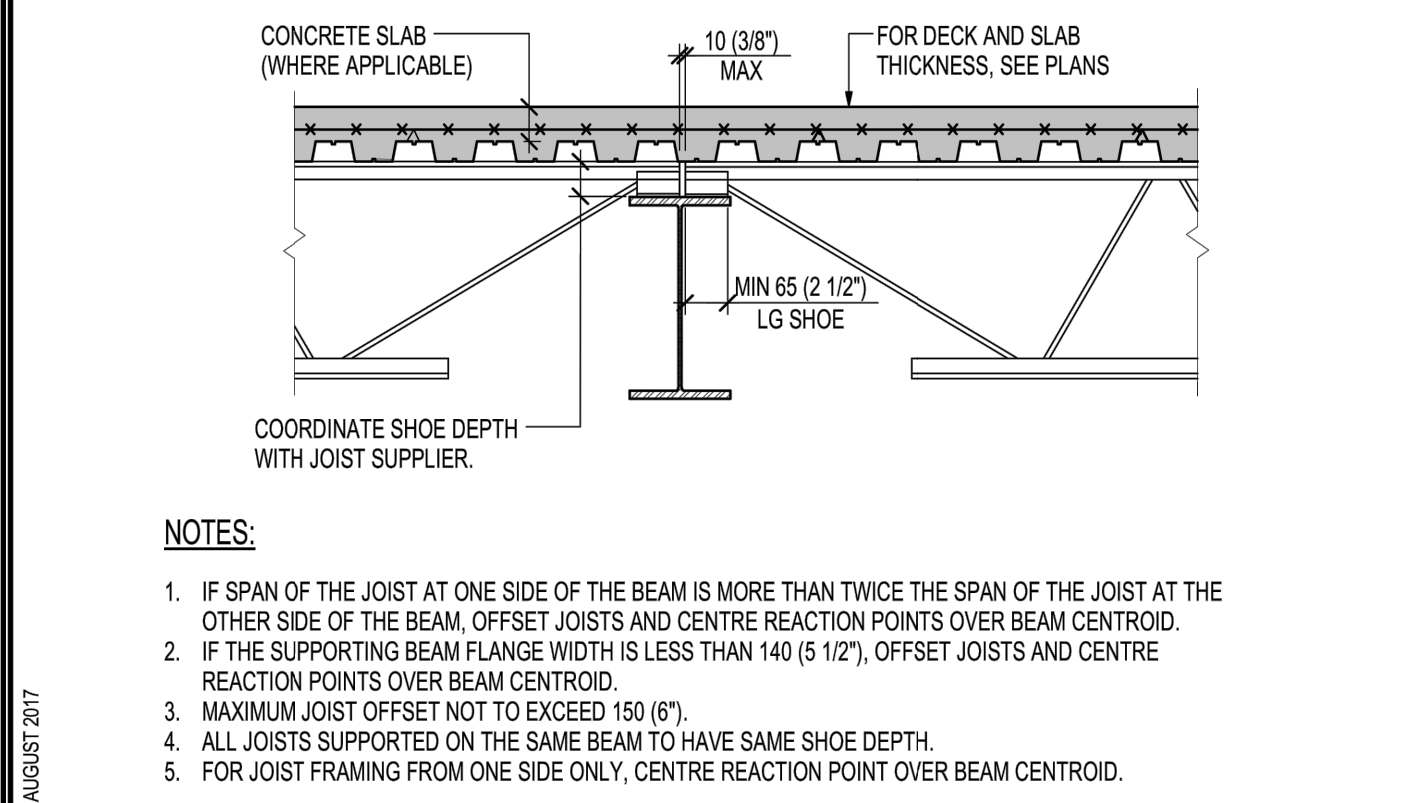
SLAB ON GRADE AT STEEL STAIR

TC-SOG-14



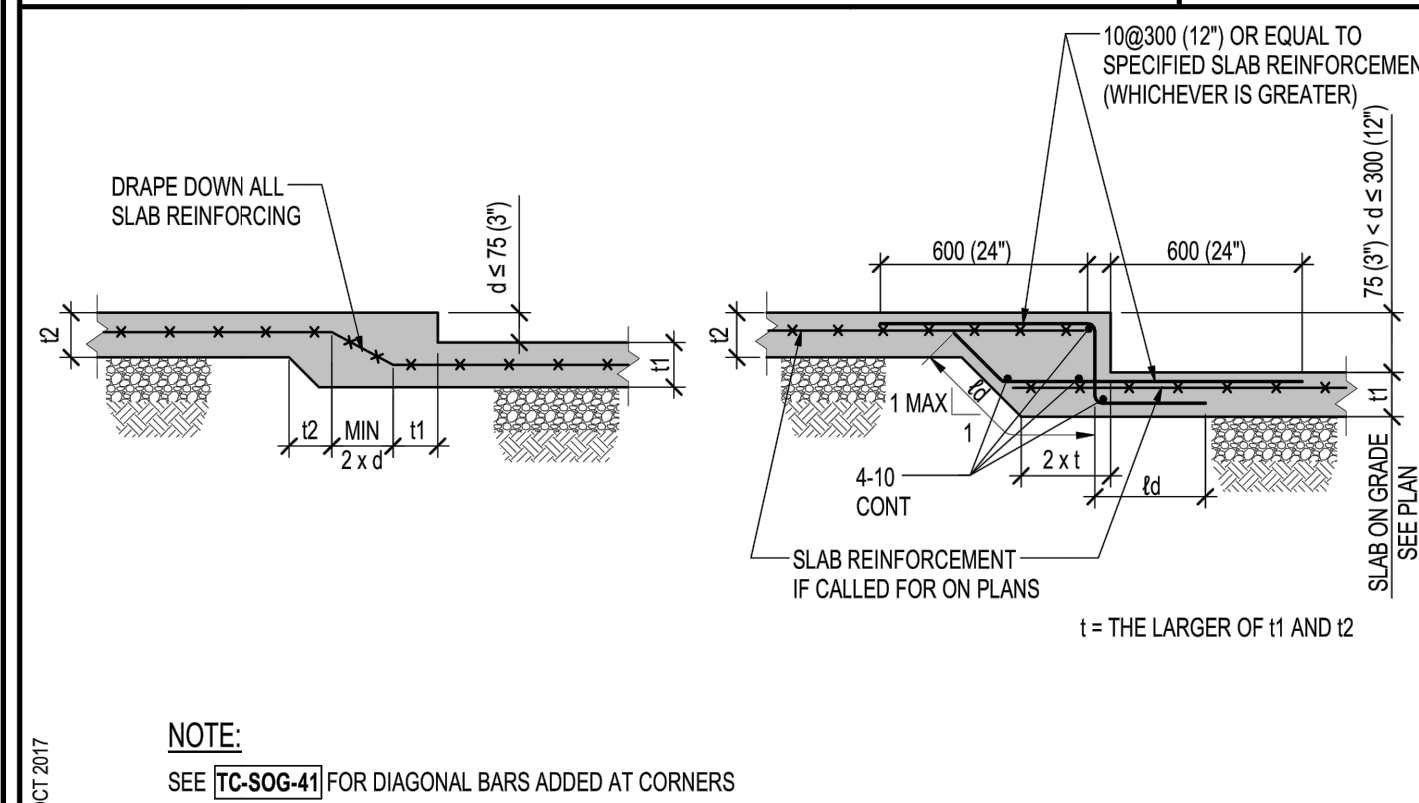
STEEL JOISTS BEARING ON STEEL BEAM

TS-JOIST-02



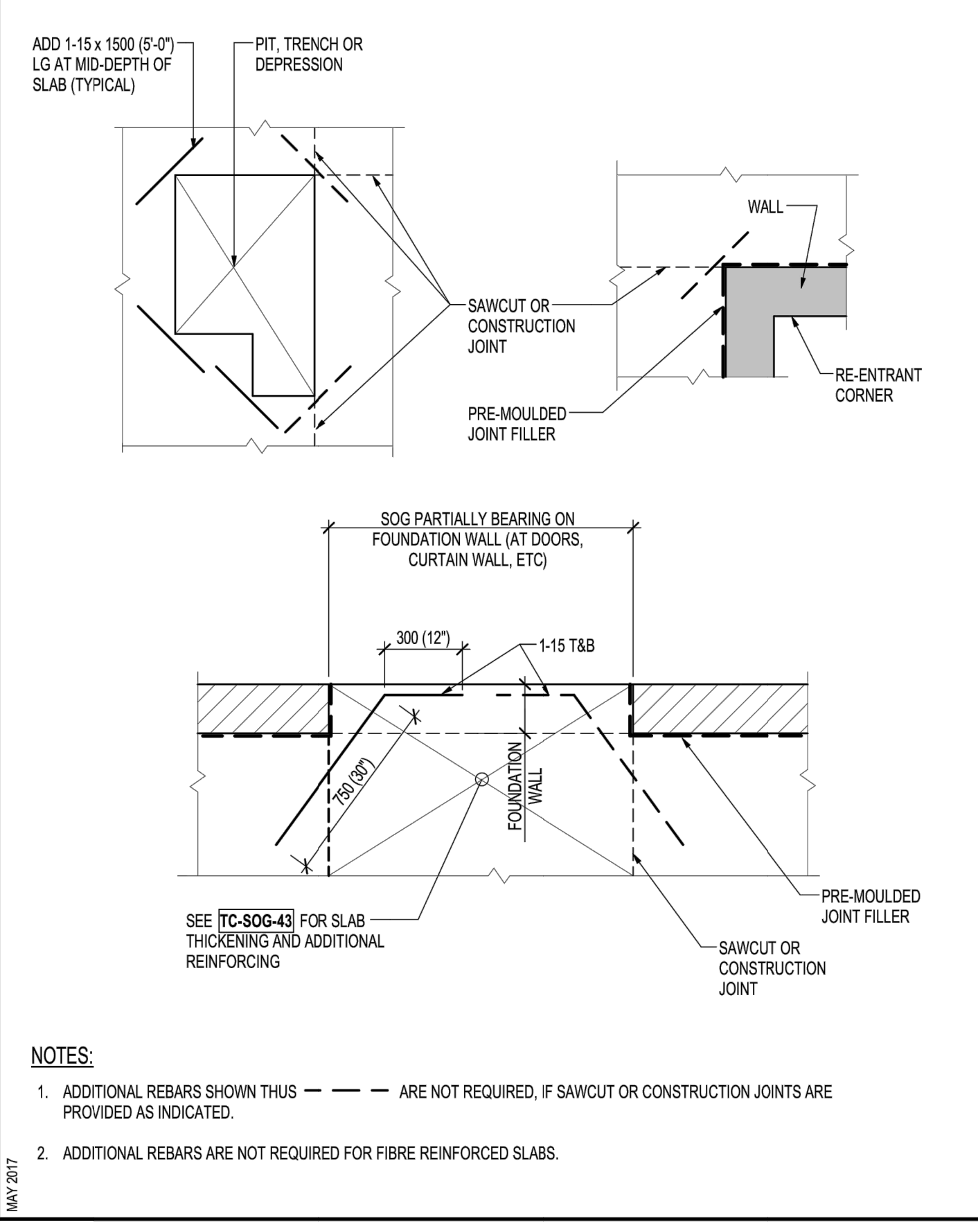
SLAB ON GRADE STEP UP TO 300 (12")

TC-SOG-21



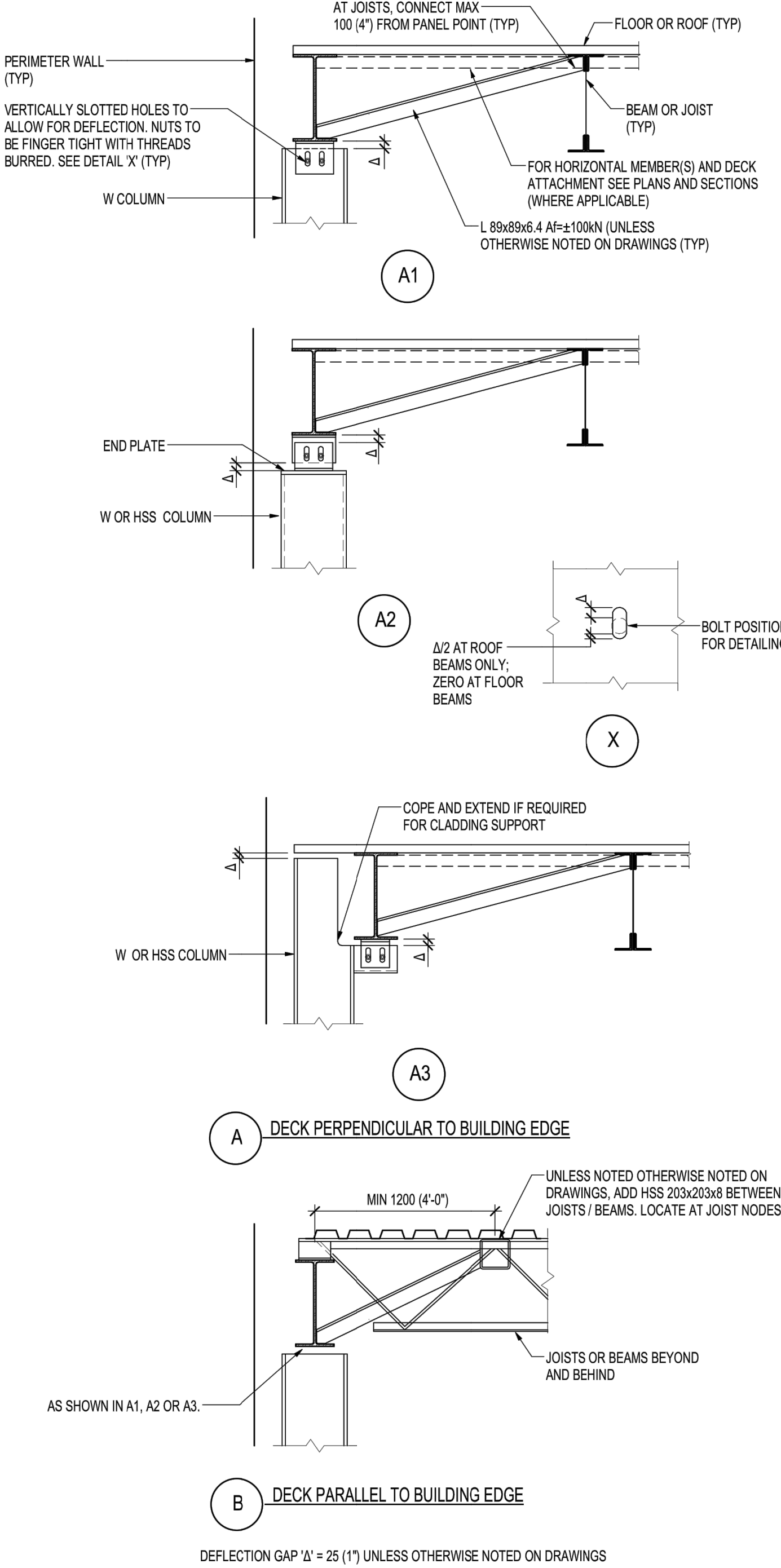
ADDED SLAB ON GRADE REINFORCEMENT AT RECESSES AND CORNERS

TC-SOG-41



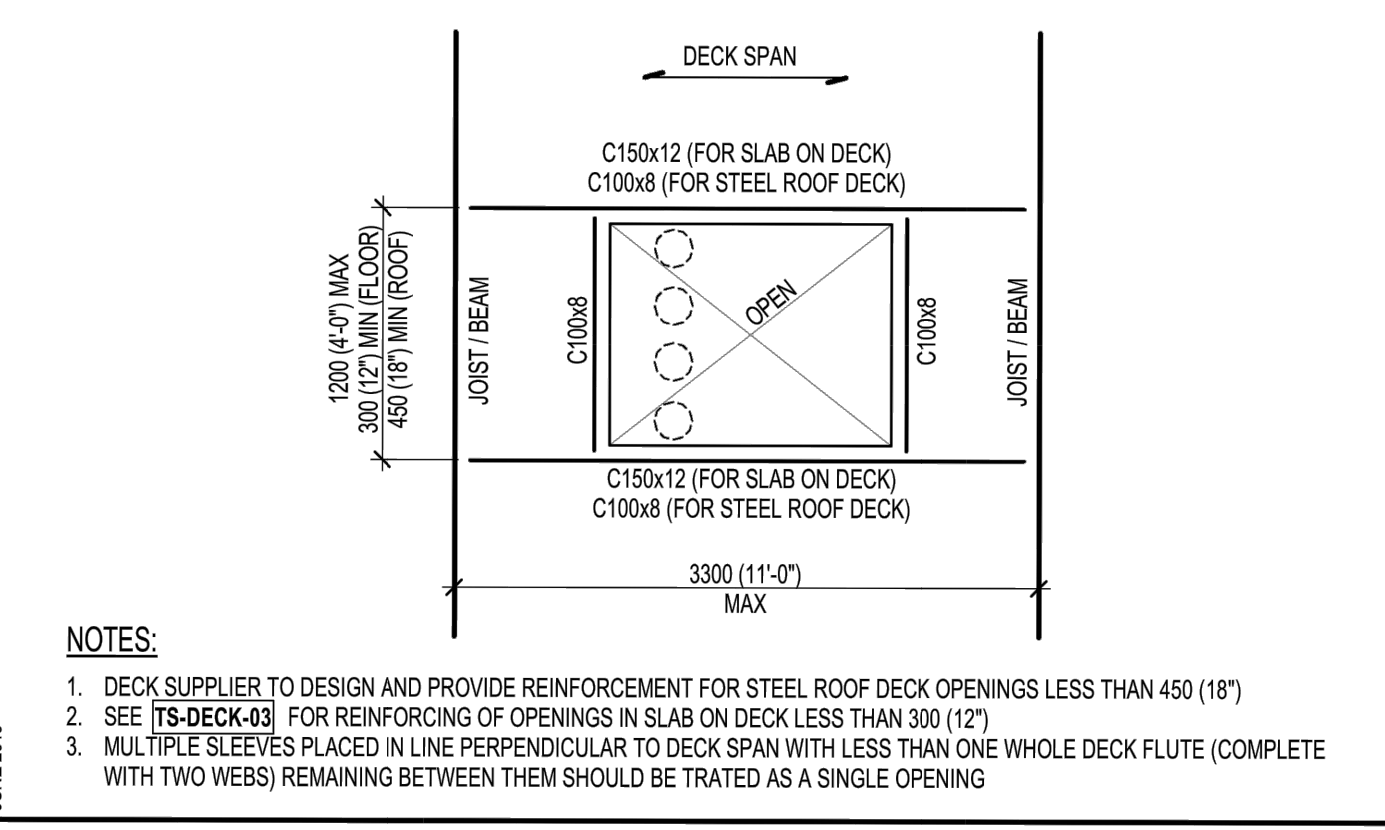
WIND COLUMNS WITH VERTICALLY SLOTTED CONNECTION

TS-COL-04



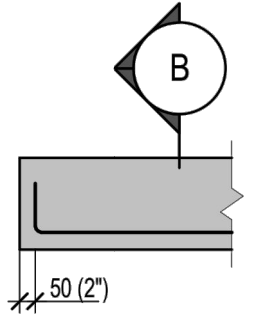
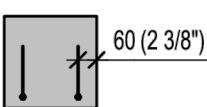
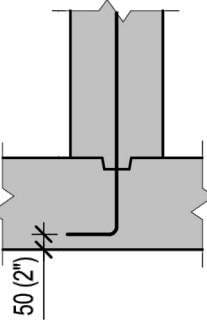
ADDITIONAL FRAMING AT DECK OPENINGS

TS-DECK-04



TENSION DEVELOPMENT LENGTHS AND LAP SPLICES FOR BARS GRADE 400 MPa												TC-REINF-01
TENSION DEVELOPMENT LENGTHS ℓ_d FOR GRADE 400 INDIVIDUAL BLACK BAR IN NORMAL DENSITY CONCRETE												
BAR SIZE	$f_c = 25$		$f_c = 30$		$f_c = 35$		$f_c = 40$		$f_c = 50$		$f_c = 60$	
	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	TOP
10	300 (12")	380 (15")	300 (12")	350 (14")	300 (12")	320 (13")	300 (12")	300 (12")	300 (12")	300 (12")	300 (12")	300 (12")
15	440 (17")	570 (23")	400 (16")	520 (21")	370 (14")	480 (19")	350 (14")	450 (18")	310 (12")	400 (16")	300 (12")	370 (14")
20	580 (23")	750 (30")	530 (21")	690 (27")	490 (19")	640 (25")	460 (18")	600 (24")	410 (16")	530 (21")	380 (15")	490 (19")
25	900 (36")	1170 (46")	830 (32")	1070 (42")	770 (30")	990 (39")	720 (28")	930 (37")	640 (25")	830 (33")	590 (23")	760 (30")
30	1080 (43")	1410 (55")	990 (39")	1290 (51")	920 (36")	1190 (47")	860 (34")	1110 (44")	770 (30")	1000 (39")	700 (28")	910 (36")
35	1260 (50")	1640 (65")	1160 (46")	1500 (60")	1070 (42")	1390 (55")	1000 (40")	1300 (52")	900 (35")	1160 (46")	820 (32")	1060 (42")
45	1620 (64")	2110 (83")	1480 (59")	1930 (76")	1370 (54")	1780 (71")	1290 (51")	1670 (66")	1150 (46")	1490 (59")	1050 (42")	1360 (54")
55	1980 (78")	2580 (102")	1810 (72")	2350 (93")	1680 (66")	2180 (86")	1570 (62")	2040 (81")	1410 (56")	1820 (72")	1280 (51")	1670 (66")
CLASS B TENSION LAP SPlice LENGTHS FOR GRADE 400 INDIVIDUAL BLACK BAR IN NORMAL DENSITY CONCRETE												
BAR SIZE	$f_c = 25$		$f_c = 30$		$f_c = 35$		$f_c = 40$		$f_c = 50$		$f_c = 60$	
	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	TOP
10	390 (16")	490 (19")	390 (16")	450 (18")	390 (16")	420 (17")	390 (16")	390 (16")	390 (16")	390 (16")	390 (16")	390 (16")
15	570 (23")	740 (29")	520 (21")	670 (27")	480 (19")	620 (25")	450 (18")	580 (23")	400 (16")	520 (20")	390 (16")	480 (19")
20	750 (29")	980 (39")	690 (27")	890 (35")	640 (25")	830 (33")	600 (24")	770 (30")	530 (21")	690 (27")	490 (19")	630 (25")
25	1170 (46")	1530 (61")	1070 (42")	1390 (55")	990 (39")	1290 (51")	930 (37")	1210 (46")	830 (33")	1080 (43")	760 (30")	990 (39")
30	1410 (56")	1830 (72")	1290 (51")	1670 (66")	1190 (47")	1550 (61")	1110 (44")	1450 (57")	1000 (39")	1300 (51")	910 (36")	1180 (46")
35	1640 (65")	2130 (84")	1500 (60")	1950 (77")	1390 (55")	1800 (72")	1300 (52")	1690 (67")	1160 (46")	1510 (59")	1060 (42")	1380 (54")
<div>- FOR EPOXY BARS MULTIPLY VALUES IN TABLE BY 1.5 EXCEPT THAT A MULTIPLIER OF 1.2 CAN BE USED WHEN CLEAR COVER IS MORE THAN 3x BAR DIAMETER AND CLEAR SPACING BETWEEN BARS IS MORE THAN 6x BAR DIAMETER.</div> <div>- FOR SEMI-LOW DENSITY CONCRETE ($1850 < f_c \leq 2150 \text{ kg/m}^3$) MULTIPLY VALUES IN TABLE BY 1.2. FOR LOW DENSITY CONCRETE ($f_c \leq 1850 \text{ kg/m}^3$) MULTIPLY VALUES IN TABLE BY 1.3.</div> <div>- FOR BUNDLED BARS, MULTIPLY VALUES IN TABLE BY 1.1 FOR A TWO BAR BUNDLE, 1.2 FOR A THREE BAR BUNDLE AND 1.33 FOR A FOUR BAR BUNDLE</div> <div>- "TOP" MEANS THAT THERE IS MORE THAN 300 (12") OF CONCRETE BELOW, AND LESS THAN 300 (12") OF CONCRETE ABOVE THE HORIZONTAL BAR WITHIN THE INDIVIDUAL CONCRETE POUR. ALL HORIZONTAL BARS IN WALLS TO BE CONSIDERED "TOP".</div> <div>- ALL VERTICAL BARS ARE CONSIDERED "BOTTOM"</div>												

JUNE 2017

MINIMUM TENSION EMBEDMENT LENGTHS WITH STANDARD END HOOKS ℓ_{dh} FOR GRADE 400 BAR IN NORMAL WEIGHT CONCRETE						
BAR SIZE	$f_c = 25$	$f_c = 30$	$f_c = 35$	$f_c = 40$	$f_c = 50$	$f_c = 60$
10	150 (6")	150 (6")	150 (6")	150 (6")	150 (6")	150 (6")
15	210 (8")	200 (8")	180 (7")	170 (7")	150 (6")	150 (6")
20	280 (11")	260 (10")	240 (10")	230 (9")	190 (8")	190 (8")
25	350 (14")	320 (13")	300 (12")	280 (11")	240 (9")	230 (9")
30	420 (17")	390 (16")	380 (14")	340 (14")	290 (11")	280 (11")
35	490 (20")	450 (18")	420 (17")	390 (16")	340 (13")	320 (13")
<div>- FOR EPOXY BARS MULTIPLY VALUES IN TABLE BY 1.2</div> <div>- FOR LOW DENSITY CONCRETE ($f_c \leq 1850 \text{ kg/m}^3$) MULTIPLY VALUES IN TABLE BY 1.3</div> <div>- FOR HOOKS WITH COVER LESS THAN SHOWN IN DETAILS 'A', 'B' AND 'C' MULTIPLY VALUES IN TABLE BY 1.5</div>						
<div><div></div><div></div><div></div></div> <div><div>A FOR 90° HOOKS ONLY</div><div>B FOR 90° AND 180° HOOKS</div><div>C FOR 90° HOOKS ONLY</div></div>						

FOR VALUES NOT PROVIDED IN TABLES INTERPOLATE BETWEEN THE NEAREST VALUES PROVIDED.

SUMP PIT MAX 1800 (6'-0") DEEP												TC-SOG-31
<div><div><div>SUPPLY DOWELS STRAIGHT AND BEND INTO SLAB AFTER SOIL COMPACTION</div><div>SLAB ON GRADE REINFORCEMENT IF CALLED FOR ON PLAN</div><div>300 (1'-0")</div><div>MIN 150 (6")</div><div>FOR CAST-IN L'S & COVER, SEE MECH & ARCH DWGS OR TS-MISC-42</div><div>FOR WATERPROOFING REQUIREMENTS REFER TO ARCH AND MECHANICAL DRAWINGS</div><div>1-10 CONT</div><div>10@200 (8") EACH WAY IN CENTRE OF WALLS</div><div>1400 (4'-6") MAX</div><div>150 (6")</div><div>150 (6")</div><div>CLASS 'B' LAP</div><div>SEE PLAN 1800 (6'-0") MAX</div><div>200 (8")</div><div>SEE TC-SOG-43 UN</div><div>DOWELS TO MATCH WALL VERTICALS</div><div>STANDARD HOOK (TYP)</div><div>10@200 (8") BEW</div><div>CONTINUOUS PVC WATERSTOP, REFER TO SPECIFICATIONS</div></div><div>NOTES: 1. THIS DETAIL MAY BE USED FOR DEEPER PITS WHERE SPECIFICALLY NOTED ON PLANS. 2. SEE TC-SOG-41 FOR SOG DIAGONAL BARS ADDED AT PIT CORNERS.</div></div>												
MAR 2022												

VERNE REIMER ARCHITECTURE

INCORPORATED

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PHONE: 204-471-6660

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REGISTERED PROFESSIONAL ENGINEER

E.M. LEWIS

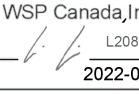
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TYPICAL DETAILS

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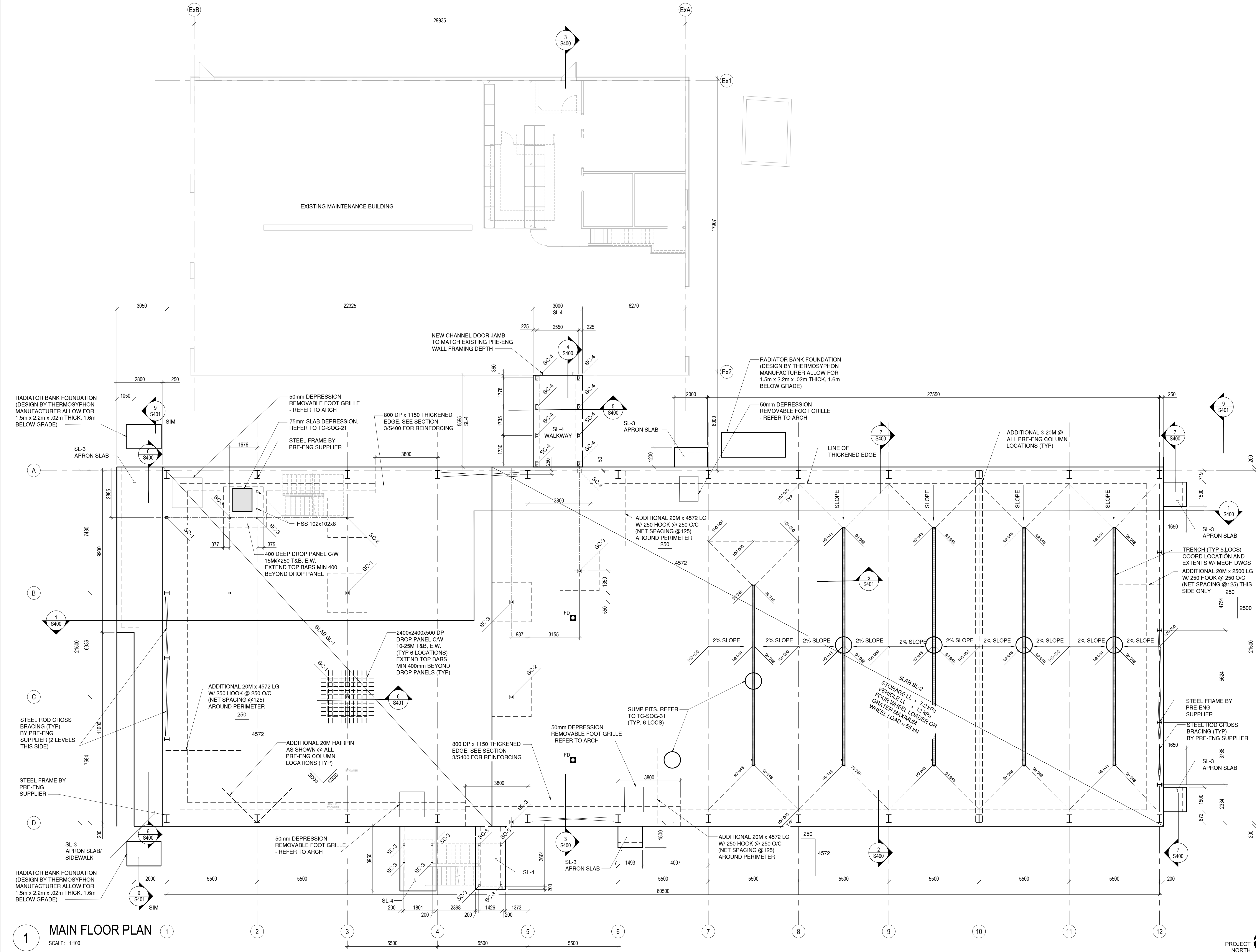
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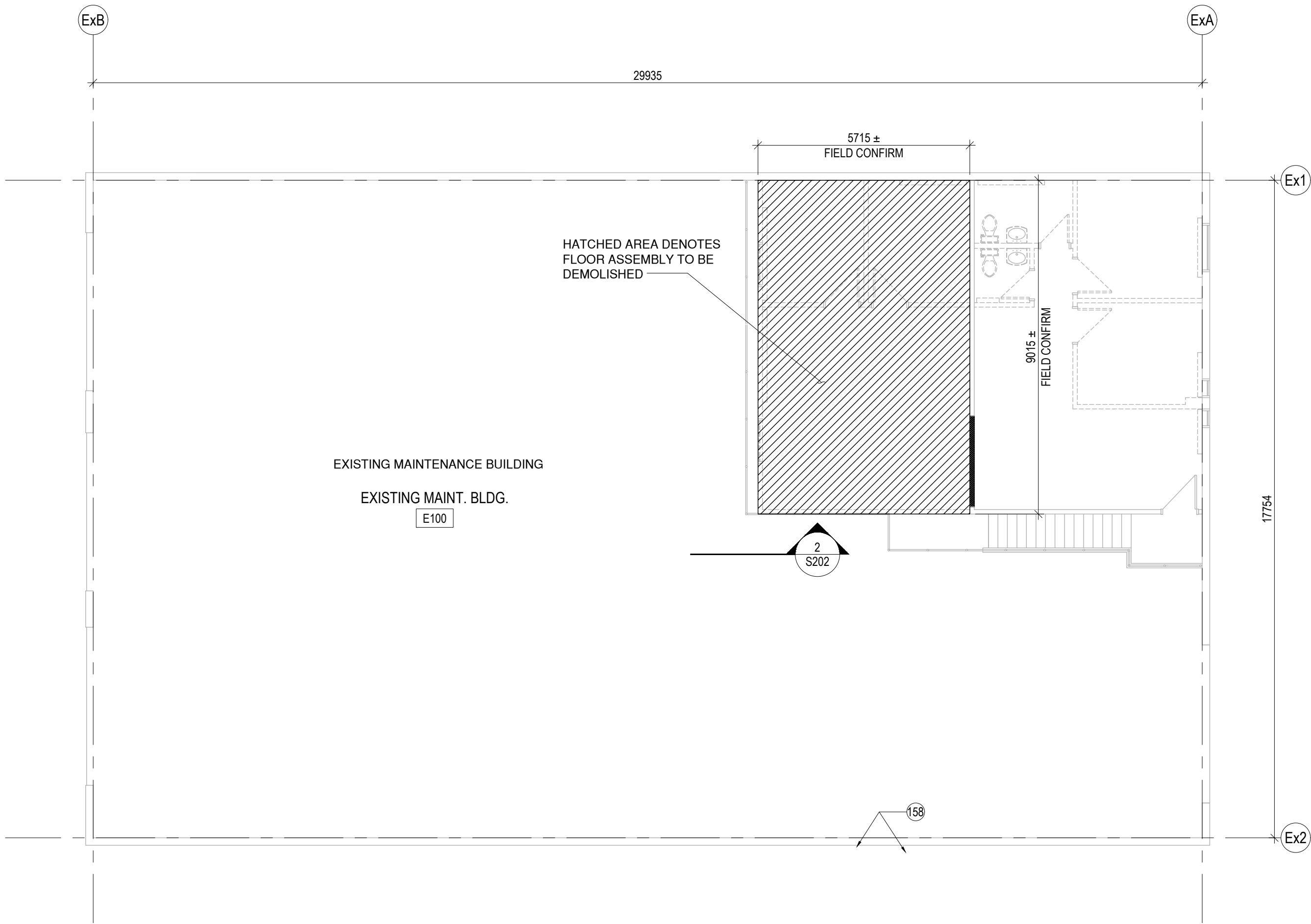
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SCALE:
PROJECT NUMBER:
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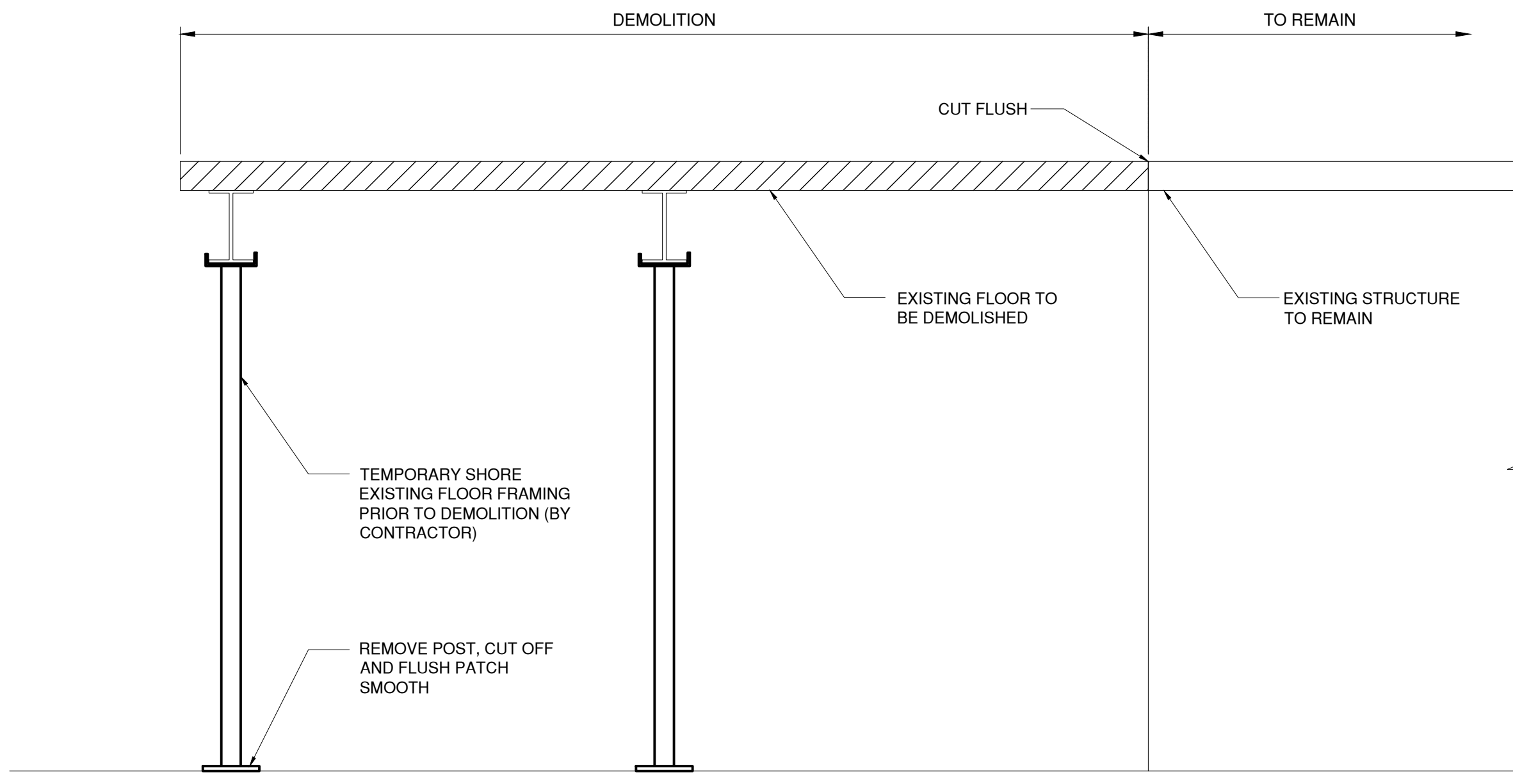
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1 MEZZANINE DEMOLITION PLAN
SCALE: 1:100



2 SECTION
SCALE: 1:25



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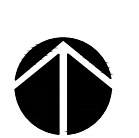
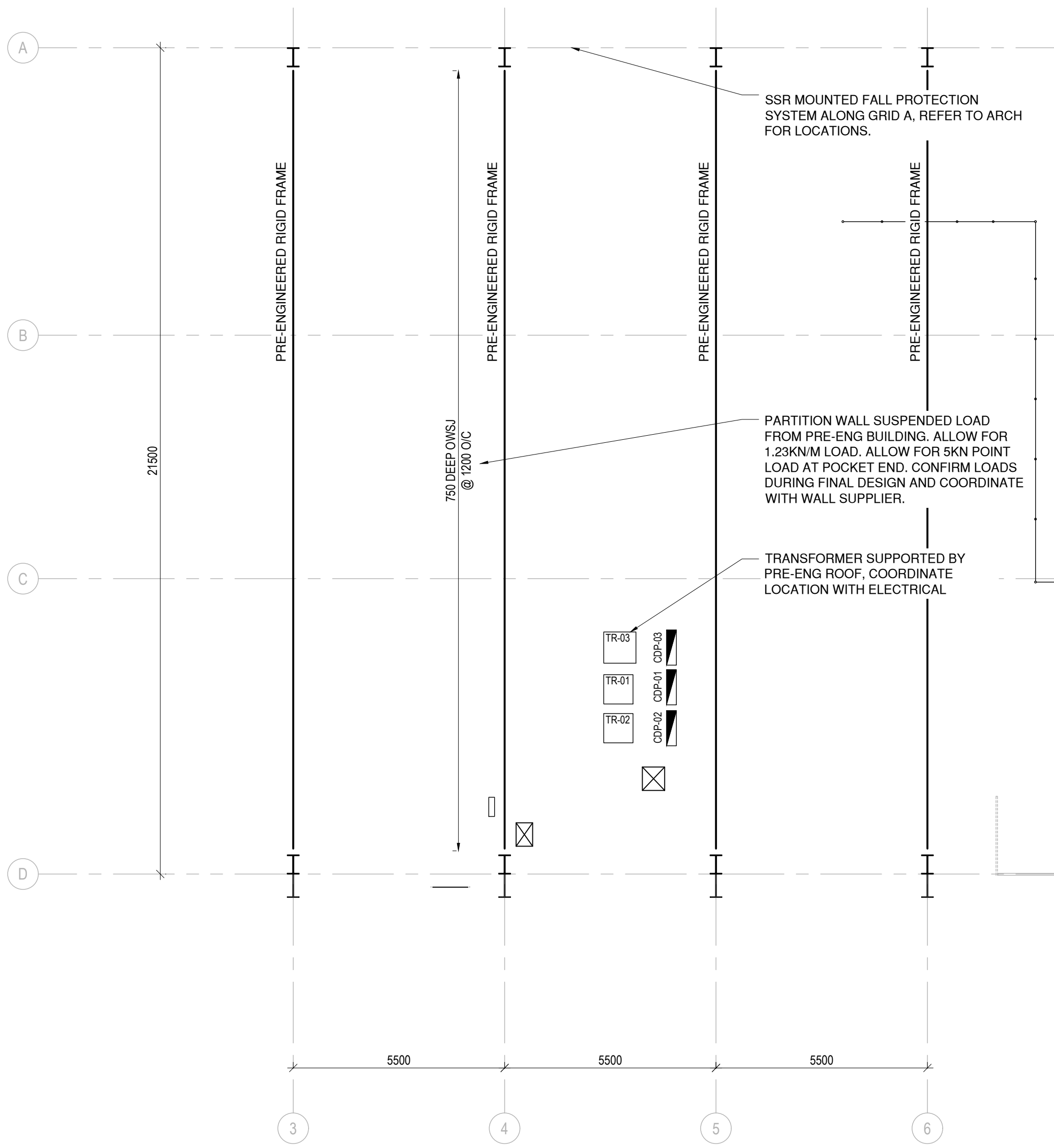
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TITLE:
EXISTING BUILDING DEMOLITION PLAN

SCALE: AS NOTED
PROJECT NUMBER: 191-10449-00
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1 PARTIAL ROOF PLAN

SCALE: 1:100

- SEE GENERAL NOTES AND TYPICAL DETAILS ON S100 SERIES DRAWINGS.
- T/O STEEL ELEVATION VARIES, REFER TO ARCHITECTURAL.
- DESIGN LOADS ARE AS FOLLOWS:
BUILDING SWT + SDL = 1.0 kPa
HUNG SDL = 0.3 kPa
LIVE LOAD = 1.0 kPa
SNOW LOAD = 2.52 kPa
- ADDITIONAL POINT LOADS INDICATED ON PLAN.
- PRE-ENGINEERED BUILDING DESIGNER TO VERIFY ALL DIMENSIONS AND OTHER PERTINENT DATA ON SITE PRIOR TO START OF FABRICATION.
- CO-ORDINATE CROSS BRACING SIZES AND LOCATIONS WITH THE BUILDING DRAWINGS AND TO THE APPROVAL OF THE ENGINEER.
- ALL COLUMN BASES TO BE DESIGNED AS PINNED CONNECTIONS.
- WHERE MECHANICAL LOADS ARE SHOWN ON PLAN, THE VALUES ARE ASSUMED. CONFIRM EXACT MAGNITUDE AND POSITION OF MECHANICAL LOADS WITH MECHANICAL SHOP DRAWING AND NOTIFY WSP-S IF ASSUMED VALUES ARE EXCEEDED.

CONCRETE SLAB SCHEDULE			
MARK	THICKNESS	REINFORCEMENT	REMARKS
SL-1	150	15M @ 250 O/C MID, E.W.	1000x600 THICKENED EDGE R/W 8-25M T&B C/W 15M STIRRUPS @ 125 O/C REFER TO DETAIL 2 ON DWG S401
SL-2	200	15M @ 250 O/C T&B, E.W.	1000x600 THICKENED EDGE R/W 8-25M T&B C/W 15M STIRRUPS @ 125 O/C REFER TO DETAIL 1 ON DWG S401
SL-3	150	15M @ 300 O/C MID, E.W.	300x400 THICKENED EDGE R/W 2-20M T&B, C/W 10M STIRRUPS @ 300 O/C REFER TO DETAIL 2 ON DWG S401
SL-4	200	15M @ 300 O/C T&B, E.W.	300x400 THICKENED EDGE R/W 2-20M T&B, C/W 10M STIRRUPS @ 300 O/C REFER TO DETAIL 3 ON DWG S401

- NOTES:
- PROVIDE 200mm THK EPS INSULATION HAVING A COMPRESSIVE STRENGTH OF AT LEAST 275 kPa WITHIN THE 1500 LAYER OF ENGINEERED GRAVEL FILL. THERMOSYPHON AND INSULATION (BY OTHERS) TO BE LOCATED WITHIN ENGINEERED FILL LAYER.
 - SEE PLAN FOR ADDITIONAL REINFORCEMENT.

STEEL COLUMN SCHEDULE				
MARK	SIZE	BASEPLATE	ANCHORAGE	REMARKS
SC-1	HSS 152x152x13	250x250x19 THK	4-19Ø HILTI KWIK BOLT TZ ANCHOR EMBED MIN 200mm	PROVIDE 25mm NON-SHRINK GROUT COLUMNS TO BE G40.21 350W CLASS C STEEL
SC-2	HSS 114x114x13	250x250x19 THK	4-19Ø HILTI KWIK BOLT TZ ANCHOR EMBED MIN 200mm	PROVIDE 25mm NON-SHRINK GROUT COLUMNS TO BE G40.21 350W CLASS C STEEL
SC-3	HSS 127x127x13	250x250x19 THK	4-19Ø HILTI KWIK BOLT TZ ANCHOR EMBED MIN 200mm	PROVIDE 25mm NON-SHRINK GROUT COLUMNS TO BE G40.21 350W CLASS C STEEL
SC-4	HSS 127x127x6.4	350x150x19 THK	2-19Ø HILTI KWIK BOLT TZ ANCHOR EMBED MIN 200mm	PROVIDE 25mm NON-SHRINK GROUT COLUMNS TO BE G40.21 350W CLASS C STEEL
SC-5	HSS 152X152x9.5	250x250x19 THK	4-19Ø HILTI KWIK BOLT TZ ANCHOR EMBED MIN 200mm	PROVIDE 25mm NON-SHRINK GROUT COLUMNS TO BE G40.21 350W CLASS C STEEL

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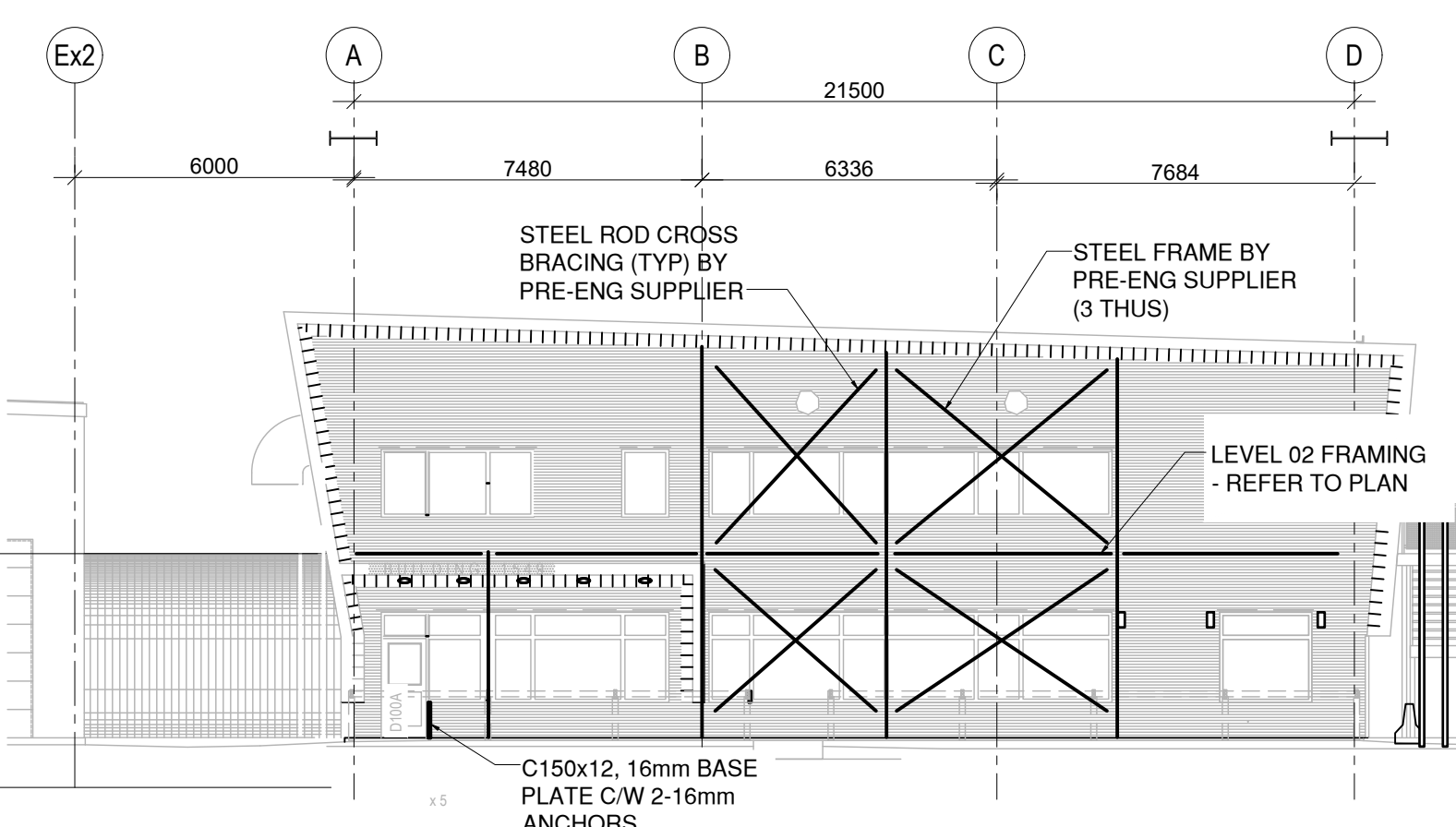
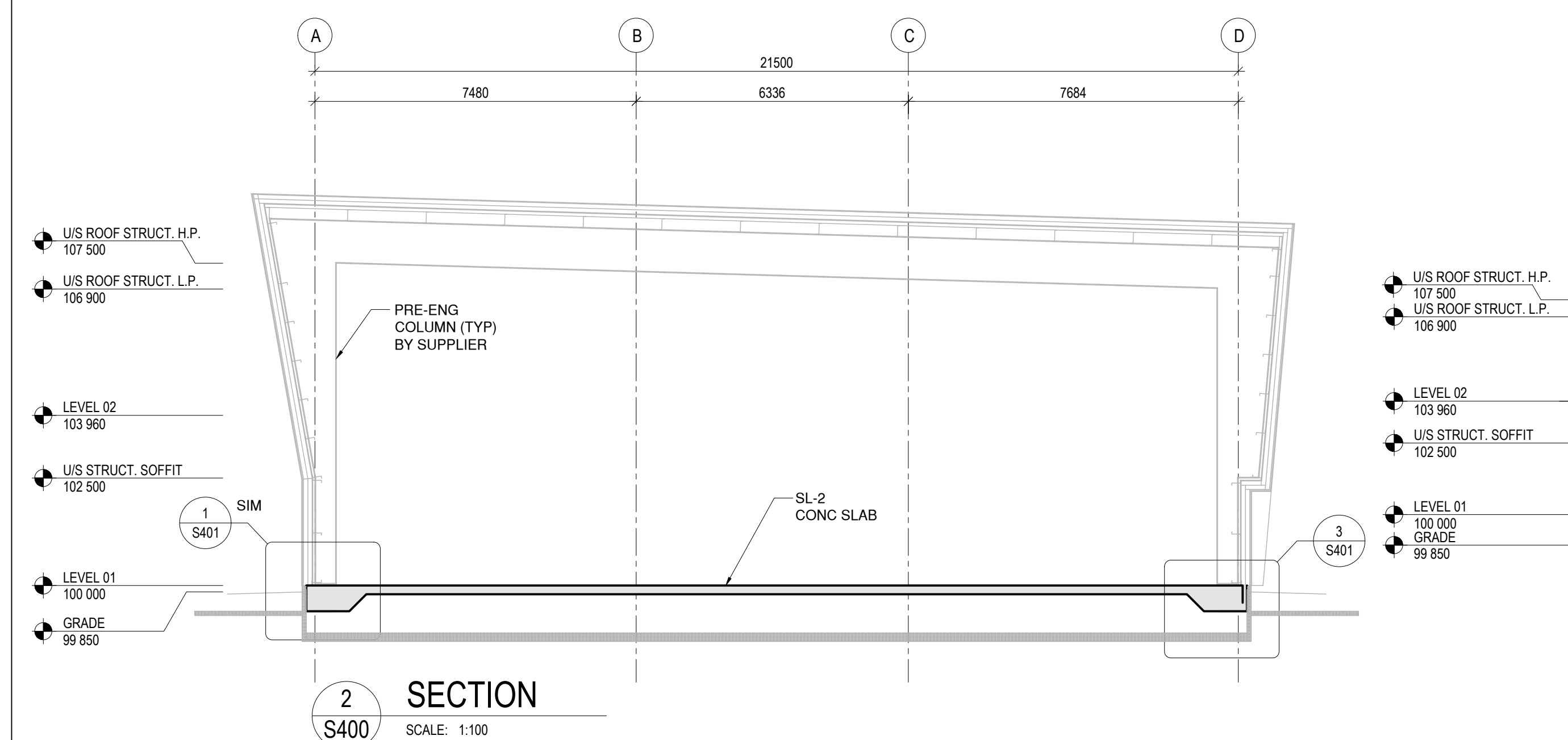
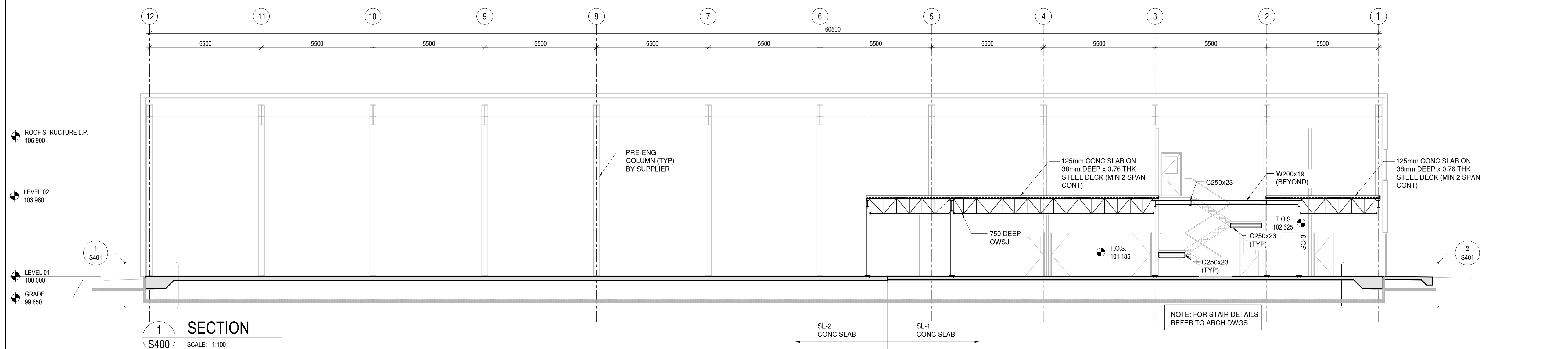
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TITLE:
PARTIAL ROOF PLAN
AND SCHEDULES

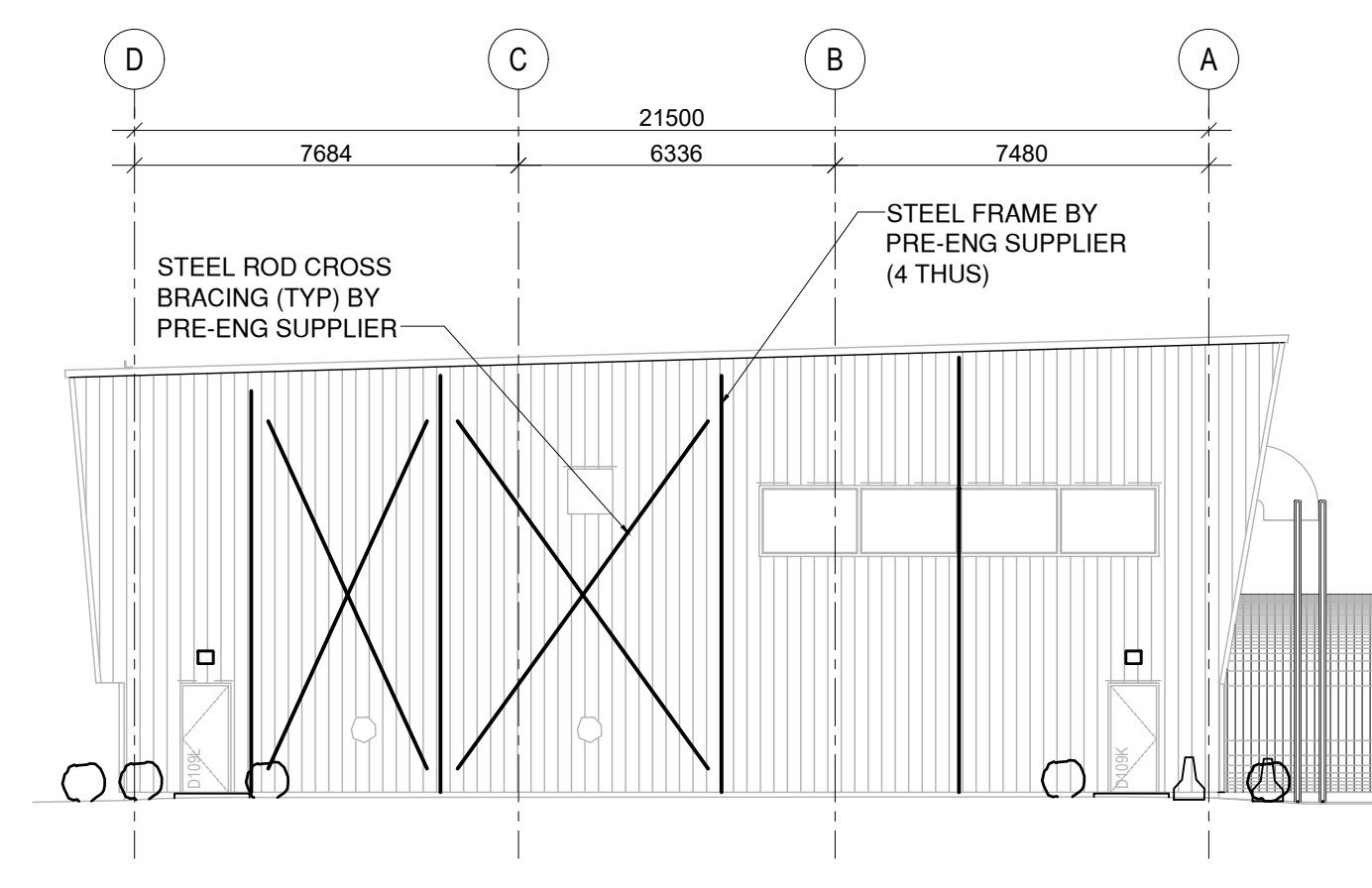
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191-10449-00
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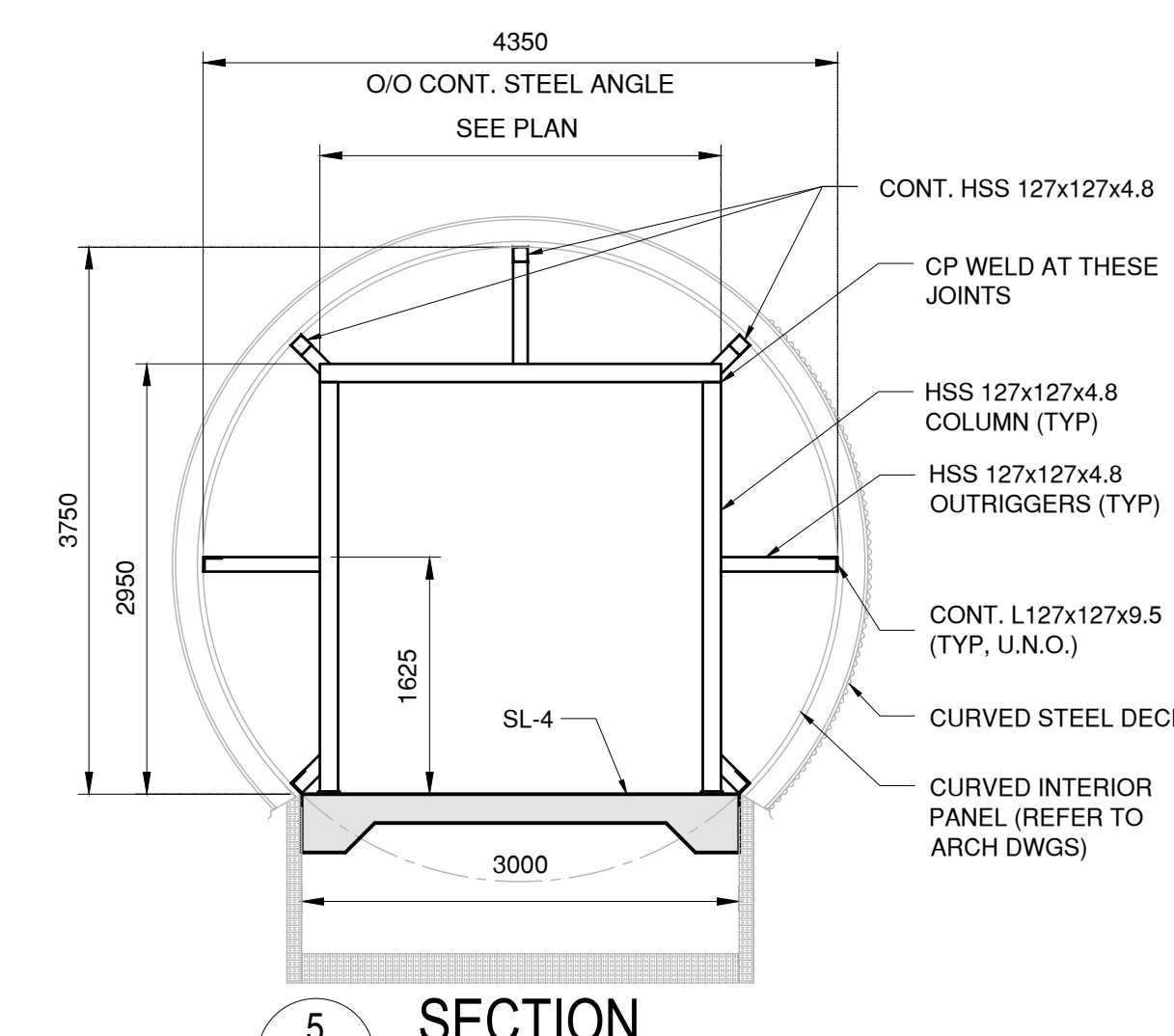
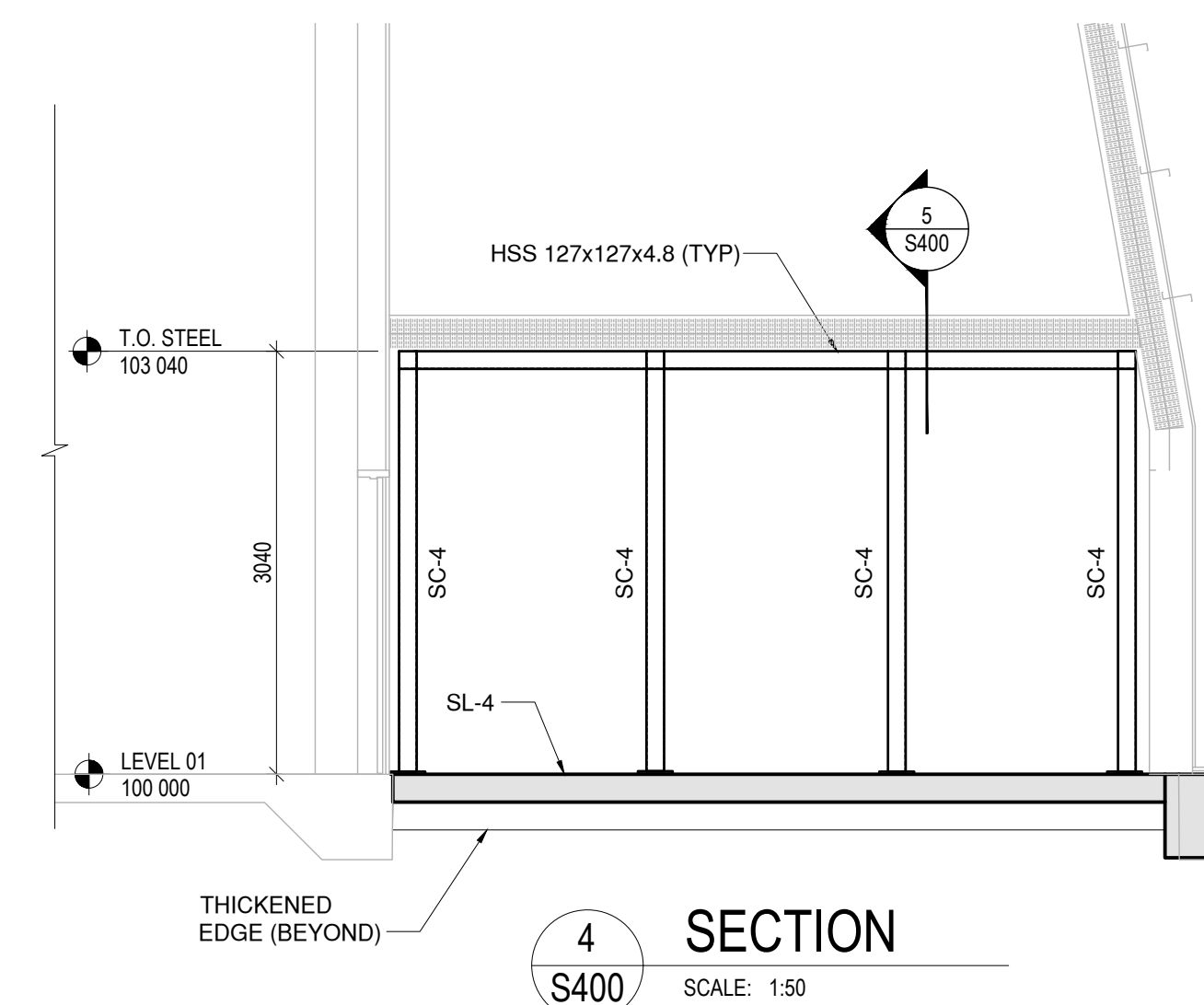
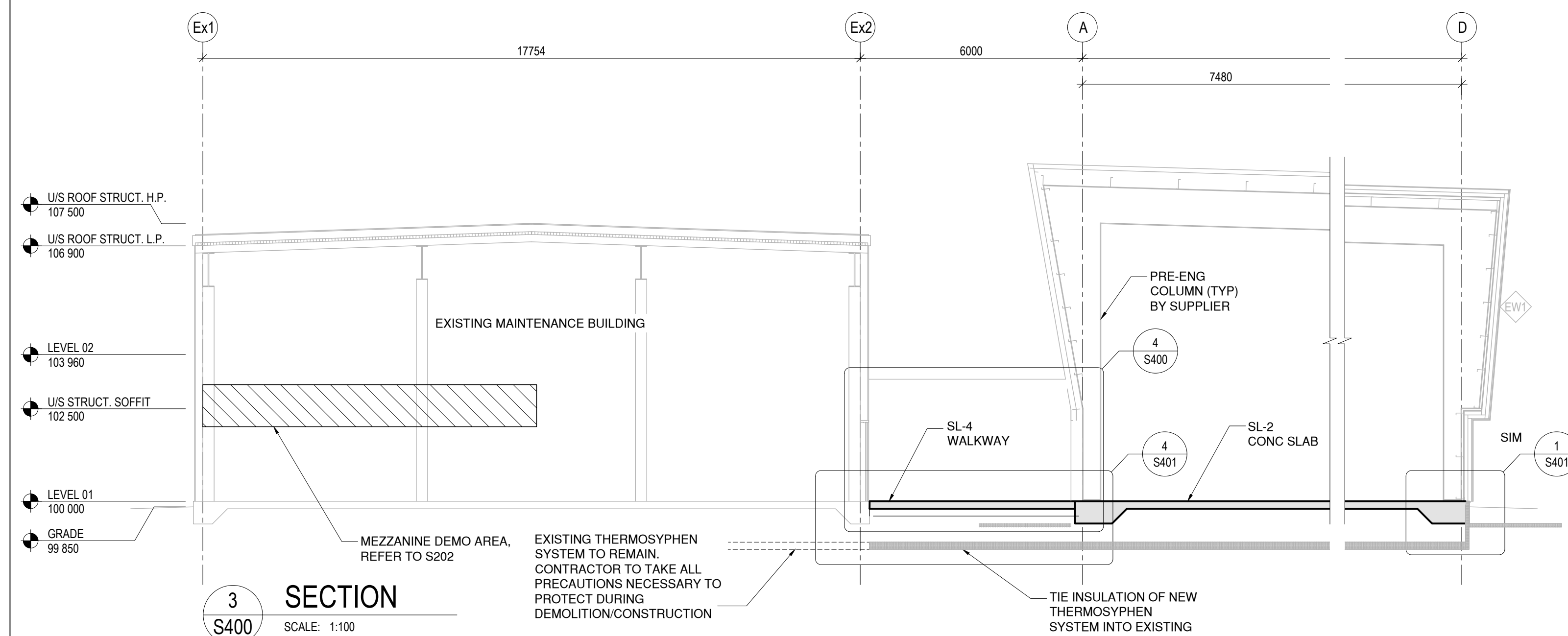
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WEST ELEVATION SHOWING
FRAMING AND CROSS BRACING LOCATION



EAST ELEVATION SHOWING
FRAMING AND CROSS BRACING LOCATION

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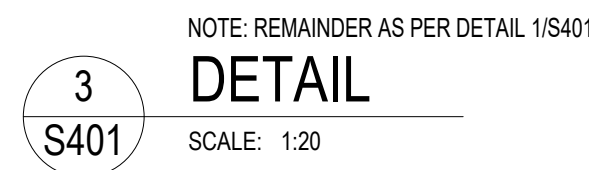
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CLIENT PROJECT NO. 820837

TITLE:
SECTIONS AND DETAILS

SCALE: AS NOT
PROJECT NUMBER: 191-10449
DRAWN BY: HA

|S401

PIPE APPURTENANCES	
	SHUT-OFF VALVE
	GATE VALVE
	BALL VALVE
	BUTTERFLY VALVE
	BALANCING VALVE, THROTTLING
	BALANCING VALVE, CALIBRATED
	SR = SELF REGULATING
	GLOBE VALVE
	MULTIPURPOSE VALVE (STOP, CHECK, BALANCING)
	CHECK VALVE
	MODULATING 2-WAY CONTROL
	MODULATING 3-WAY MIXING NO = NORMALLY OPEN NC = NORMALLY CLOSED
	ON/OFF 2-WAY CONTROL
	ON/OFF 3-WAY CONTROL
	PRESSURE-REDUCING VALVE
	STRAINER
	STEAM TRAP
	FLOW METER
	WATER METER
	BACKFLOW PREVENTER
	PRESSURE GAUGE
	PUMP
	PRESSURE-RELIEF VALVE
	UNION
	FLANGED UNION
	FLEXIBLE CONNECTION
	THERMOMETER
	TEMPERATURE SENSOR
	DIFFERENTIAL PRESSURE SWITCH
	FLOW SWITCH
	AIR VENT, AUTOMATIC
	AIR VENT, MANUAL
	AIR PURGER WITH AIR VENT
	FLOOR DRAIN
	FUNNEL FLOOR DRAIN
	ROOF DRAIN
	CLEAN-OUT (SANITARY)
	TRAP (SANITARY)
	PIPE CAP
	PIPE BREAK
	ELBOW DOWN
	ELBOW UP
	MIXING VALVE
	PLUMBING ROOF VENT

HVAC LEGEND	
	BALANCING DAMPER
	FIRE DAMPER
	DAMPER MOTOR
	BACKDRAFT DAMPER
	SMOKE DAMPER
	COMBINED FIRE/SMOKE DAMPER
	EQUIPMENT TAG
	THERMOSTAT/TEMPERATURE SENSOR
	HUMIDISTAT
	DESIGNATION SIZE AIRFLOW (L/S) } ROOM AIR FLOW SYMBOL
	DESIGNATION OUTPUT (W) UNIT DIMENSION MODEL TYPE MODEL NAME } RADIATOR PANEL SYMBOL
	NEW OUTSIDE AIR DUCT
	NEW RETURN AIR DUCT
	NEW EXHAUST AIR DUCT
	NEW DUCT
	NEW DUCT WITH ACOUSTIC LINING
	NEW DUCT WITH THERMAL INSULATION
	SUPPLY/MAKE-UP AIR DUCT RISER/SECTION
	RETURN/EXHAUST AIR DUCT RISER/SECTION
	MITRED ELBOW W/TURNING VANES
	VOLUME EXTRACTOR
	SUPPLY AIR/MAKE-UP AIR DIFFUSER
	RETURN AIR/EXHAUST AIR GRILLE

FIRE PROTECTION LEGEND	
	FLAME ALARM
	GAS ALARM
	GONG ALARM
	SMOKE ALARM
	HEAT ALARM
	DRY CHEMICAL FIRE EXTINGUISHER
	CO2 FIRE EXTINGUISHER
	KITCHEN FIRE EXTINGUISHER
	CONCEALED PENDANT
	SIDEWALL
	UPRIGHT
	PENDANT

LINETYPE LEGEND	
PLUMBING	
	DOMESTIC COLD WATER - DCW
	DOMESTIC HOT WATER - DHW
	DOMESTIC HOT WATER RECIRC. - DHWR
	SANITARY BELOW
	SANITARY ABOVE
	STORM DRAINAGE BELOW
	STORM DRAINAGE ABOVE
	SUMP PIT DRAIN
	PLUMBING VENT
	COMPRESSED AIR
HEATING	
	REHEAT COIL - HEATING GLYCOL SUPPLY
	REHEAT COIL - HEATING GLYCOL RETURN
	HOT WATER - SUPPLY
	HOT WATER - RETURN
	FUEL OIL RETURN
	FUEL OIL SUCTION
	FUEL OIL TANK VENT
	FUEL OIL DISCHARGE
	FUEL OIL GAGE
	MAKEUP WATER
	ATMOSPHERIC VENT
FIRE PROTECTION	
	FIRE PROTECTION SUPPLY PIPING
	FIRE PROTECTION RETURN PIPING
	SPRINKLER MAIN PIPING

MECHANICAL DRAWING LIST

M001 MECHANICAL LEGEND AND GENERAL NOTES

FP100 LOW LEVEL SPRINKLER LAYOUT
FP101 HIGH LEVEL SPRINKLER LAYOUT

P100 MAIN FLOOR - UNDER FLOOR DRAINAGE
P101 SECOND FLOOR - UNDER FLOOR DRAINAGE
P102 MAIN FLOOR - PLUMBING
P103 SECOND FLOOR - PLUMBING

M100 GARAGE AND STORAGE AREA - HYDRONIC HEATING
M101 OFFICE AREA - HYDRONIC HEATING
M102 SECOND FLOOR - HYDRONIC HEATING
M103 GARAGE AND STORAGE AREA - VENTILATION
M104 OFFICE AREA - VENTILATION
M105 SECOND FLOOR - VENTILATION

M400 MECHANICAL ROOM PLANS
M401 SCHEMATICS
M402 SCHEMATICS

M500 MECHANICAL DETAILS
M501 MECHANICAL DETAILS
M502 MECHANICAL DETAILS

M600 SCHEDULES

GENERAL NOTES

- PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE MECHANICAL SYSTEMS AS INDICATED ON THE DRAWINGS TO THE APPROVAL OF ALL CODES, REGULATIONS AND THE LOCAL INSPECTORS.
- CONTRACT DOCUMENT DRAWINGS FOR MECHANICAL WORK (HVAC, PLUMBING) ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY.
- COORDINATE CONSTRUCTION OF ALL MECHANICAL WORK WITH ARCHITECTURAL, STRUCTURAL, CIVIL, ELECTRICAL WORK, ETC., SHOWN ON OTHER CONTRACT DOCUMENT DRAWINGS. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PIPING THROUGH THE ROOF.
- WHEN MECHANICAL WORK (HVAC, SHEET METAL, ETC.) IS SUBCONTRACTED, IT SHALL BE THE MECHANICAL CONTRACTOR'S RESPONSIBILITY TO COORDINATE SUBCONTRACTORS AND THE ASSOCIATED CONTRACTS. WHEN DISCREPANCIES ARISE PERTAINING TO WHICH CONTRACTOR PROVIDES A PARTICULAR ITEM OF THE MECHANICAL CONTRACT OR WHICH CONTRACTOR PROVIDES FINAL CONNECTIONS FOR A PARTICULAR ITEM OF THE MECHANICAL CONTRACT, IT SHALL BE BROUGHT TO THE ATTENTION OF THE MECHANICAL CONTRACTOR, WHOSE DECISION SHALL BE FINAL.
- THE LOCATIONS OF ALL ITEMS SHOWN ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS THAT ARE NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE ONLY. THE EXACT LOCATIONS NECESSARY TO SECURE THE BEST CONDITIONS AND RESULTS MUST BE DETERMINED BY THE PROJECT SITE CONDITIONS AND SHALL BE REVIEWED BY THE CONSULTANT BEFORE BEING INSTALLED. DO NOT SCALE DRAWINGS.
- ALL OPENINGS/PENETRATIONS THROUGH FIRE RATED WALLS, CEILINGS, FLOORS, ETC., DUE TO DUCTWORK, PIPING, CONDUIT, ETC., SHALL BE FIRESTOPPED WITH A PRODUCT LISTED BY ULC FOR THE SPECIFIC INSTALLATION CONDITION.
- INSTALL ALL MECHANICAL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS, CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS.
- WHERE TWO OR MORE ITEMS OF THE SAME TYPE OF EQUIPMENT ARE REQUIRED, THE PRODUCT OF ONE MANUFACTURER SHALL BE USED. ALL MATERIAL SHALL BE NEW AND BEST OF ITS RESPECTIVE KIND.
- COORDINATE ALL EQUIPMENT CONNECTIONS WITH MANUFACTURERS' CERTIFIED DRAWINGS. COORDINATE AND PROVIDE ALL DUCT AND PIPING TRANSITIONS REQUIRED FOR FINAL EQUIPMENT CONNECTIONS TO FURNISHED EQUIPMENT. FIELD VERIFY AND COORDINATE ALL DUCT AND PIPING DIMENSIONS BEFORE FABRICATION.
- LOCATIONS AND SIZES OF ALL FLOOR, WALL, AND ROOF OPENINGS SHALL BE COORDINATED WITH ALL OTHER TRADES INVOLVED.
- MAINTAIN A MINIMUM 2100mm. CLEARANCE TO THE UNDERSIDE OF PIPES, DUCTS, CONDUITS, SUSPENDED EQUIPMENT, ETC., THROUGHOUT ACCESS ROUTES IN MECHANICAL ROOMS.
- CONCRETE HOUSEKEEPING PADS TO SUIT MECHANICAL EQUIPMENT SHALL BE SIZED AND LOCATED BY THE MECHANICAL CONTRACTOR. MINIMUM CONCRETE PAD THICKNESS SHALL BE 150mm. PAD SHALL EXTEND BEYOND EQUIPMENT A MINIMUM OF 100mm ON EACH SIDE. CONCRETE HOUSEKEEPING PADS SHALL BE PROVIDED BY THE GENERAL CONTRACTOR. IT SHALL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR TO COORDINATE THE SIZE AND LOCATION OF CONCRETE HOUSEKEEPING PADS WITH THE GENERAL CONTRACTOR.
- ALL EQUIPMENT, PIPING, DUCTWORK, ETC., SHALL BE SUPPORTED AS DETAILED, SPECIFIED, AND REQUIRED TO PROVIDE A VIBRATION-FREE INSTALLATION.
- WHERE STRUCTURAL MEMBERS ARE INDICATED TO BE PENETRATED WITH DUCTWORK OR PIPING, COORDINATE DUCTWORK AND PIPING LAYOUT WITH OPENING SIZE AND OPENING LOCATIONS. COORDINATION SHALL BE DONE PRIOR TO THE FABRICATION OF DUCTWORK, CUTTING OF PIPING, OR FABRICATION OF STRUCTURAL MEMBERS.
- PROVIDE VIBRATION ISOLATION FOR ALL MECHANICAL EQUIPMENT TO PREVENT TRANSMISSION OF VIBRATION TO BUILDING STRUCTURE.
- PROVIDE VIBRATION ISOLATORS FOR ALL PIPING SUPPORTS CONNECTED TO ISOLATED EQUIPMENT (EXCEPT AT BASE ELBOW SUPPORTS AND ANCHOR POINTS) THROUGHOUT MECHANICAL EQUIPMENT ROOMS.
- ALL MISCELLANEOUS STEEL REQUIRED TO ENSURE PROPER INSTALLATION AND AS SHOWN IN DETAILS FOR PIPING AND EQUIPMENT (UNLESS OTHERWISE NOTED) SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR.
- ALL CONTROL WIRE AND CONDUIT SHALL COMPLY WITH THE CURRENT CANADIAN ELECTRIC CODE AND THE SPECIFICATION.
- WORK PERFORMED OR MATERIALS INSTALLED WITHOUT APPROPRIATE PERMITS FROM AUTHORITIES HAVING JURISDICTION IS DONE SO AT THE CONTRACTOR'S RISK AND RESPONSIBILITY.
- UNLESS OTHERWISE NOTED, ALL PIPING IS OVERHEAD, TIGHT TO THE UNDERSIDE OF THE STRUCTURE OR SLAB, WITH SPACE FOR INSULATION IF REQUIRED.
- INSTALL ALL PIPING WITHOUT FORCING OR SPRINGING.
- ALL VALVES SHALL BE ADJUSTED FOR SMOOTH AND EASY OPERATION.
- ALL PIPING AND DUCTWORK SHALL BE COORDINATED WITH ALL TRADES INVOLVED. OFFSETS IN PIPING AROUND OBSTRUCTIONS SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
- ALL PIPE SIZES ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
- SEAL ALL WALL OPENINGS FOR MECHANICAL EQUIPMENT WITH WEATHER RATED SEALANTS OR AS SPECIFIED BY THE GENERAL CONTRACT REQUIREMENTS.
- WHERE A DISCREPANCY MAY ARISE BETWEEN DIFFERENT DISCIPLINE DRAWINGS AND/OR SPECIFICATION SECTIONS THE MOST COSTLY SHALL APPLY UNLESS CLARIFIED, IN WRITING, BY THE CONSULTANT PRIOR TO TENDER CLOSE. ALL DRAWINGS BY ALL DISCIPLINES AND ALL SPECIFICATION SECTIONS BY ALL DISCIPLINES FOR THE CONTRACT REQUIREMENTS.

VERNE REIMER
ARCHITECTURE

INCORPORATED

109-374 River Avenue, Winnipeg MB Canada, R3L 0E4

204-544-9272

204-544-9275 (fax)

vernerreimer.com

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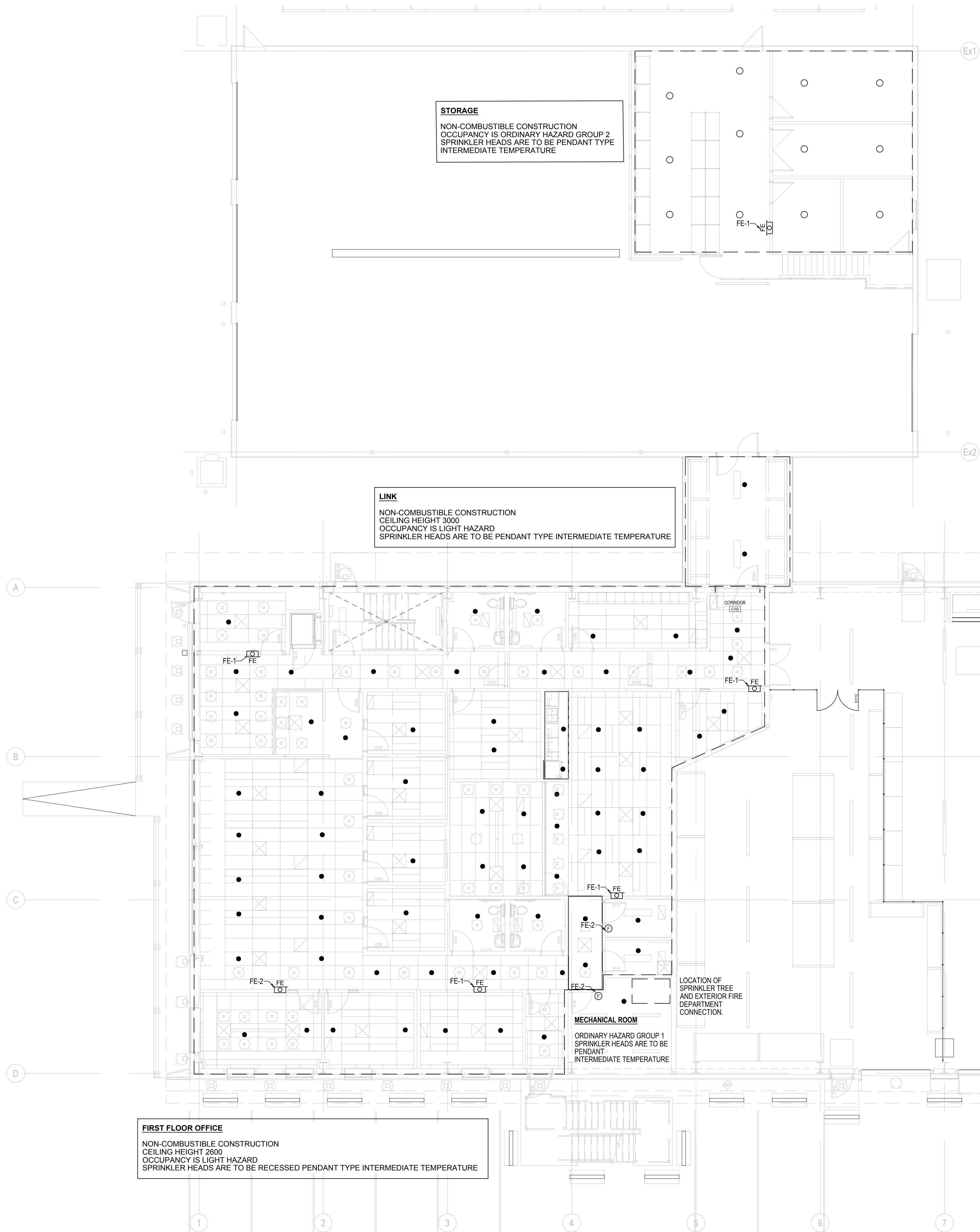
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CLIENT PROJECT NO. 820837

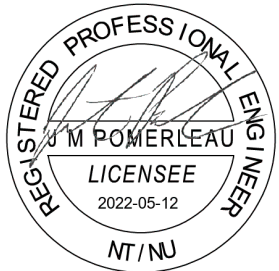
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SCALE: N/A
PROJECT NUMBER: 2019-00800
DRAWN BY: WGC

M001



1 LOW LEVEL SPRINKLER LAYOUT
FP100 SCALE: 1: 100



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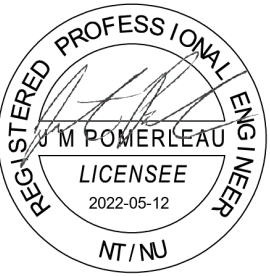
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CLIENT PROJECT NO. 820837

TITLE:
LOW LEVEL
SPRINKLER LAYOUT

SCALE: 1: 100
PROJECT NUMBER: 2019.00800
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FP100



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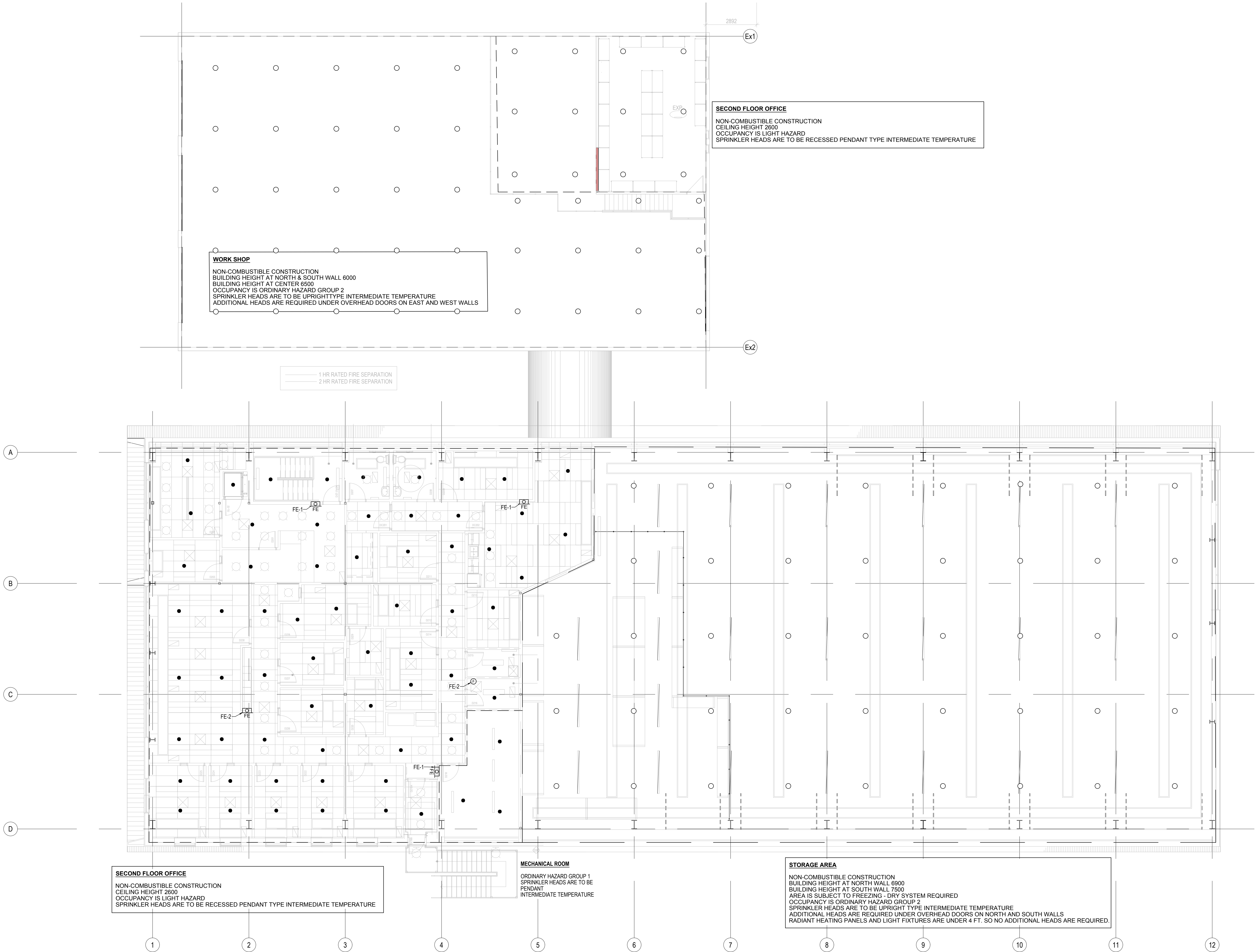
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TITLE:
HIGH LEVEL
SPRINKLER LAYOUT

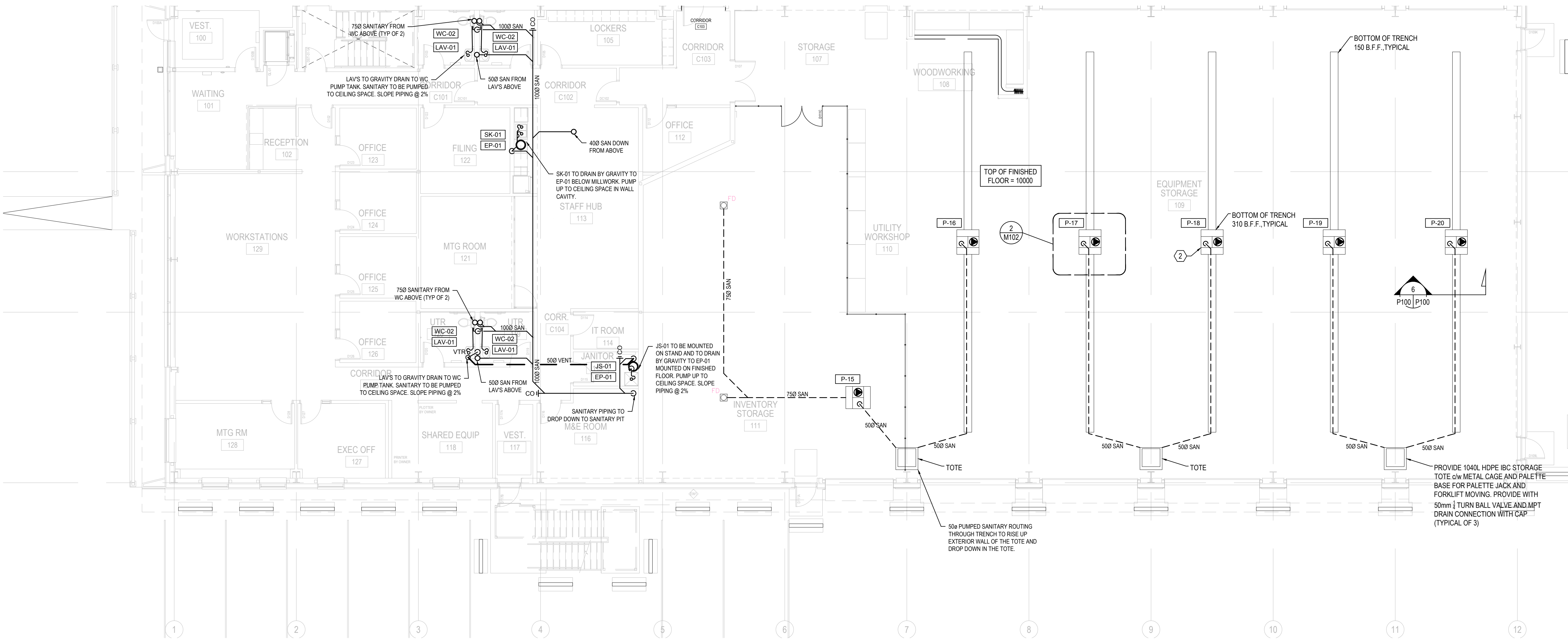
SCALE: 1 : 100
PROJECT NUMBER: 2019.00800
DRAWN BY: WGC

FP101

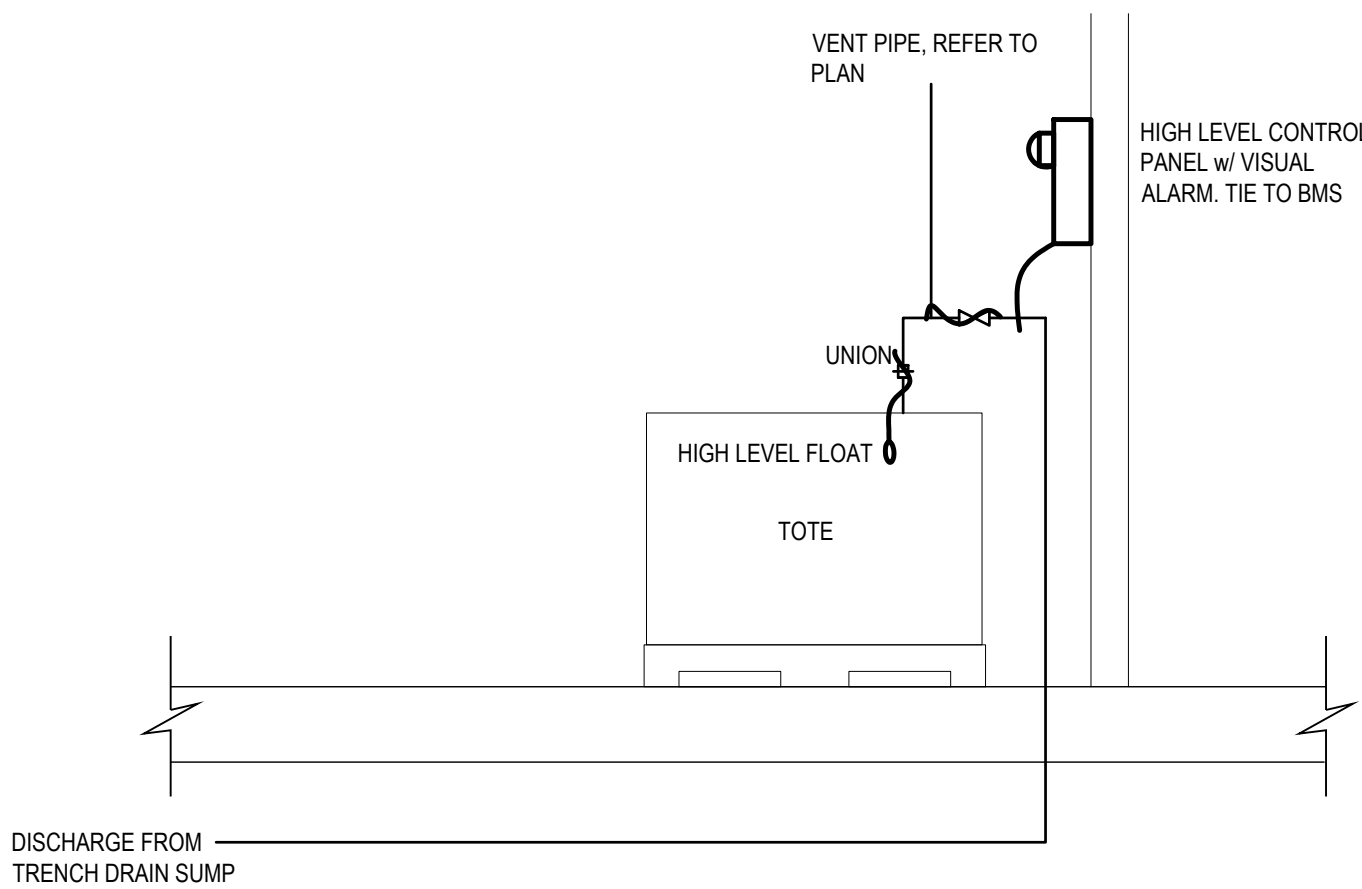


1 HIGH LEVEL SPRINKLER LAYOUT
FP101 SCALE: 1 : 100

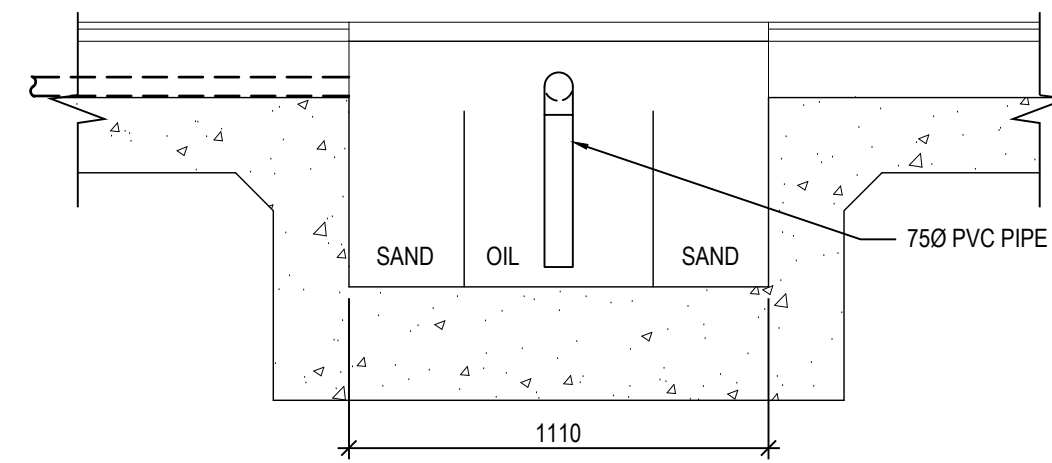
- TRENCH DRAIN IS TYPICAL WITH VARYING INVERT.
- REFER TO DETAIL DRAWINGS ON THIS SHEET FOR SUMP DETAILS.
- NO CHANGE TO EXISTING UNDERFLOOR DRAINAGE.



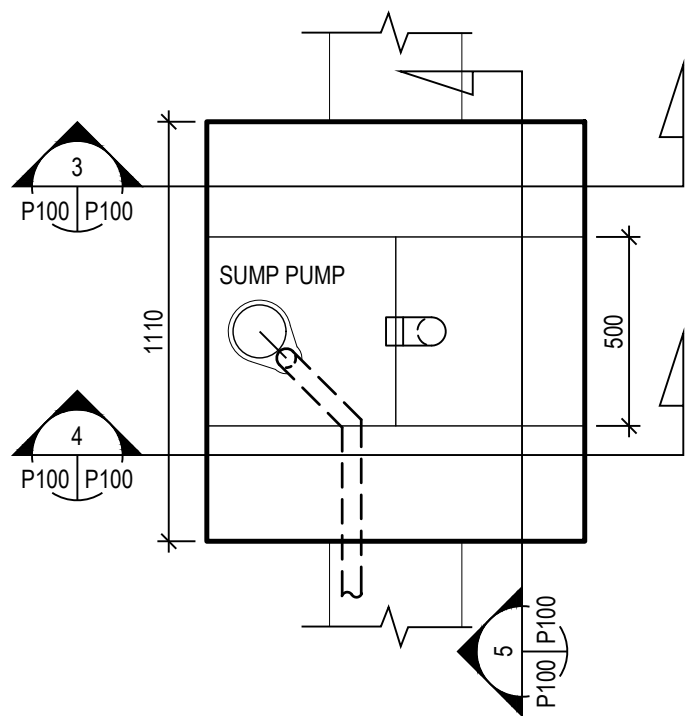
1 MAIN FLOOR - UNDER FLOOR DRAINAGE
SCALE: 1: 100



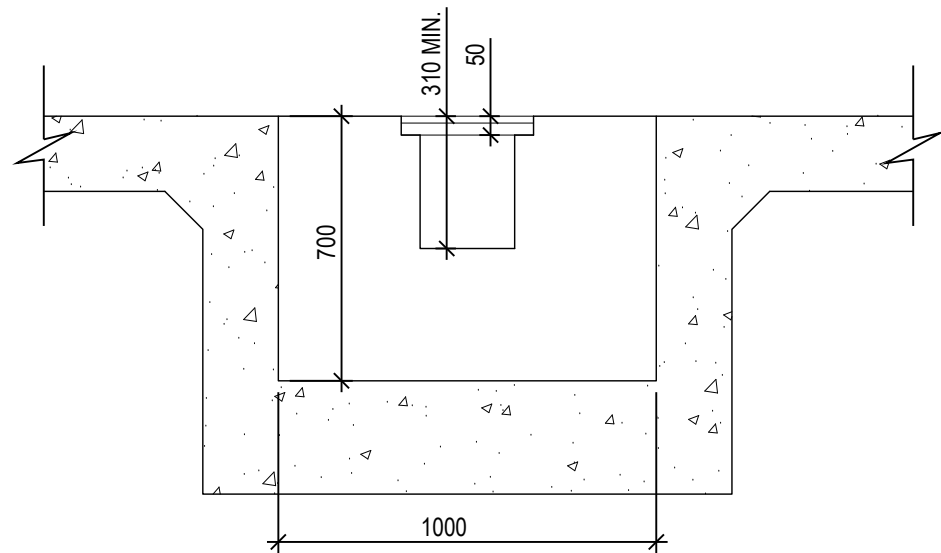
7 TOTE INSTALLATION DETAIL
SCALE: 1: 20



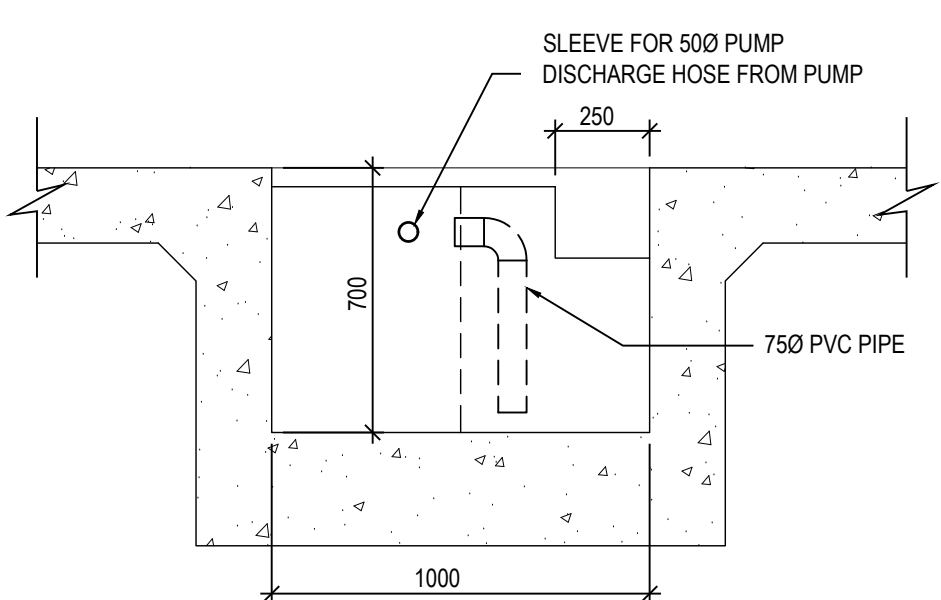
5 SECTION THRU SUMP
SCALE: 1: 20



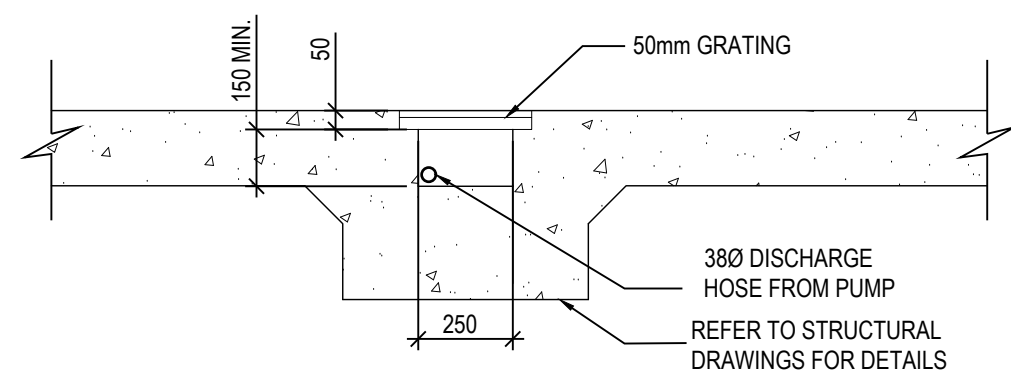
2 PLAN OF SUMP
SCALE: 1: 20



3 SECTION THRU SUMP
SCALE: 1: 20

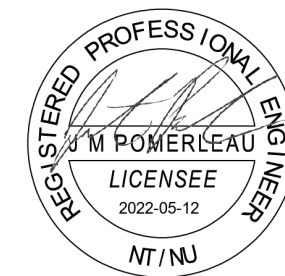


4 SECTION THRU SUMP
SCALE: 1: 20



6 SECTION THRU TRENCH
SCALE: 1: 20

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TITLE:
MAIN FLOOR
UNDER FLOOR DRAINAGE

SCALE: 1: 100
PROJECT NUMBER: 2019.00800
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P100


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CANADA R3T 6E8
PHONE: 204-477-6850
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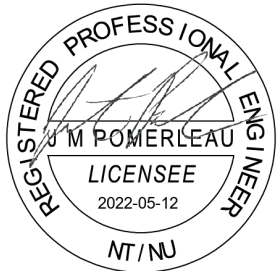
TITLE:
SECOND FLOOR
UNDER FLOOR DRAINAGE

SCALE: 1 : 100

PROJECT NUMBER: 2019.00800

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P101



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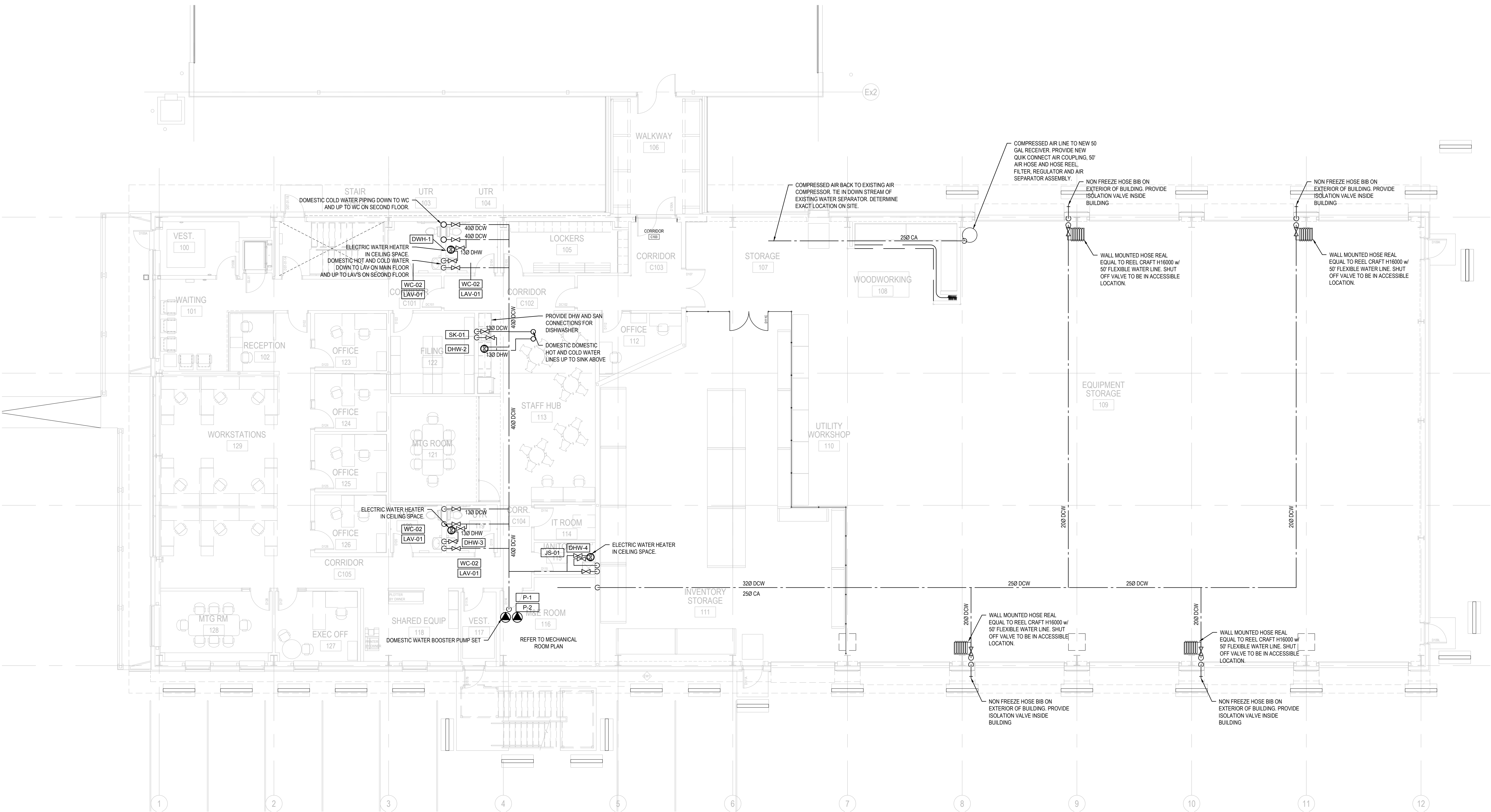
CLIENT PROJECT NO. 820837

TITLE:
MAIN FLOOR PLUMBING

SCALE:
PROJECT NUMBER:
DRAWN BY:

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2019.00800
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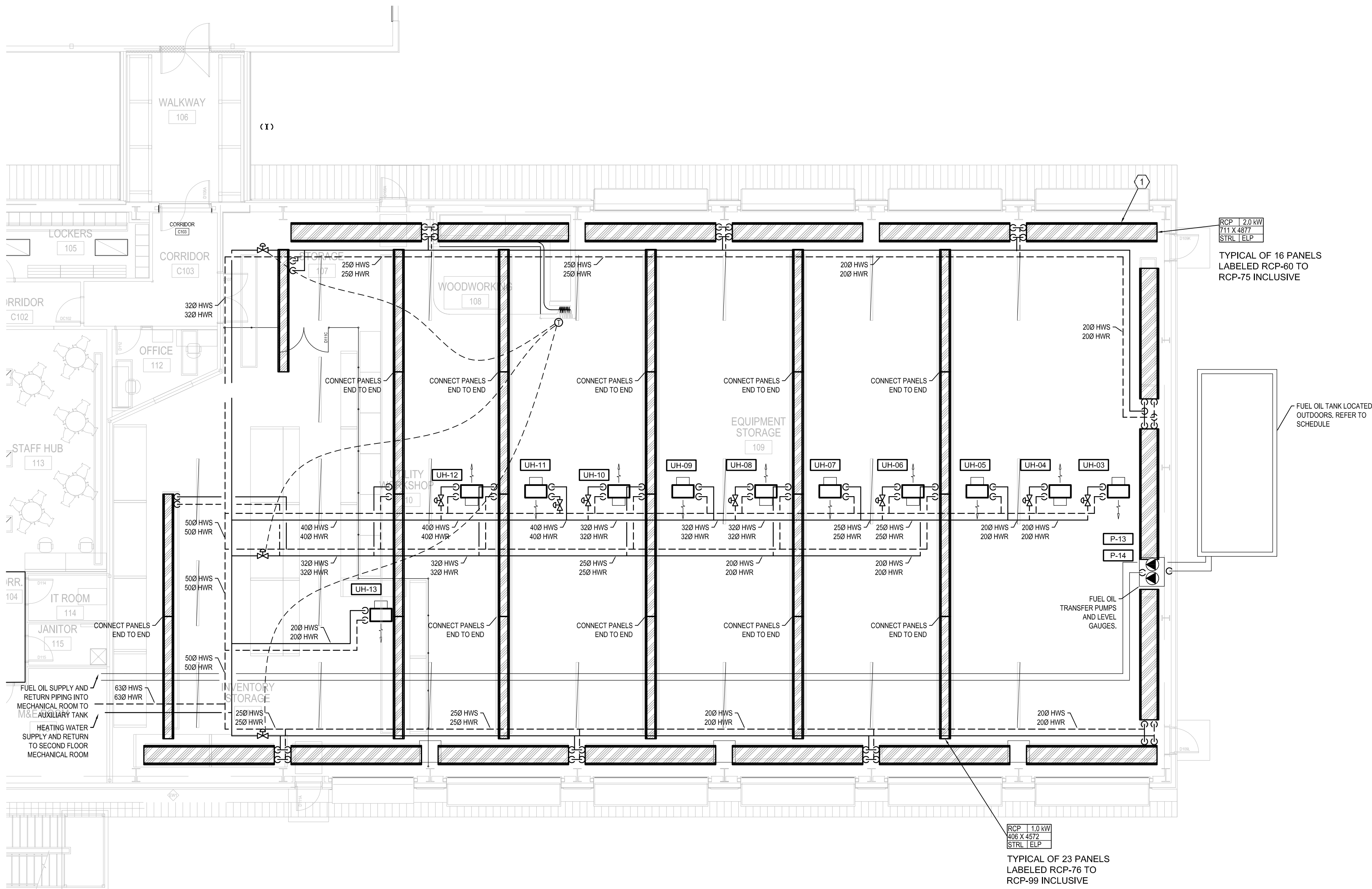


100 BUFFALO PLACE
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CANADA R3T 6B8
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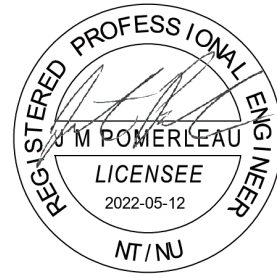
DRAWING NOTES:

- ENCLOSED LINEAR RADIANT PANEL
UNDERSIDE OF PANEL 106300 A.F.F. TYPICAL IN
GARAGE AND STORAGE AREAS.
- HYDRONIC UNIT HEATER, LOW POINT OF
HEATER 105000 A.F.F. TYPICAL IN GARAGE
AREA.
- REFER TO DETAILS FOR VALVING AND
CONNECTION DETAILS TO HYDRONIC
EQUIPMENT. AUTO FLOW VALVES ARE TO BE
SELECTED BASED ON FLOW RATE. NOT LINE
SIZE.
- BALL VALVES ARE TO MATCH LINE SIZE AND
MATERIAL.



1 GARAGE AND STORAGE AREAS - HYDRONIC HEATING
M100 SCALE: 1: 100

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TITLE:
GARAGE AND STORAGE AREAS
HYDRONIC HEATING

SCALE: 1 : 100
PROJECT NUMBER: 2019.00800
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M100

CONSULTANTS:



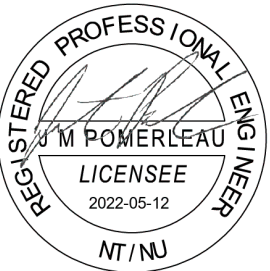
1868 BUFFALO PLACE
WINNIPEG, MANITOBA
CANADA R2T 6B8
PHONE: 204-477-6600
WWW.WSP.COM

NOTES:

GENERAL NOTES:

- REFER TO ARCHITECTURAL RCP FOR ALL CEILING MOUNTED FIXTURES
- CONFIRM CEILING MOUNTING TYPE OF ALL RADIANT PANELS PRIOR TO ORDERING
- REFER TO DETAILS FOR VALVING AND CONNECTION DETAILS TO HYDRONIC EQUIPMENT. AUTO FLOW VALVES ARE TO BE SELECTED BASED ON FLOW RATE, NOT LINE SIZE.
- BALL VALVES ARE TO MATCH LINE SIZE AND MATERIAL.
- COORDINATE RADIANT PANEL INSTALLATION IN THE T-BAR CEILING AREAS WITH THE GENERAL CONTRACTOR. IN GENERAL, THE PROCESS SHALL CONSIST OF:
 - INSTALL CEILING TRACK ON OUTSIDE WALL.
 - CONFIRM ACTUAL PANEL DIMENSIONS WITH APPROVED SUBMITTAL OR PANEL ON SITE.
 - RUN SECOND TEE AT INTERIOR SIDE OF RADIANT PANEL.
 - INSTALL REMAINDER OF GRID FROM SECOND TEE MAINTAINING THE SPECIFIED ARCHITECTURAL GRID DIMENSIONS.

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CLIENT PROJECT NO. 820837

TITLE:
MAIN FLOOR OFFICE
HYDRONIC HEATING

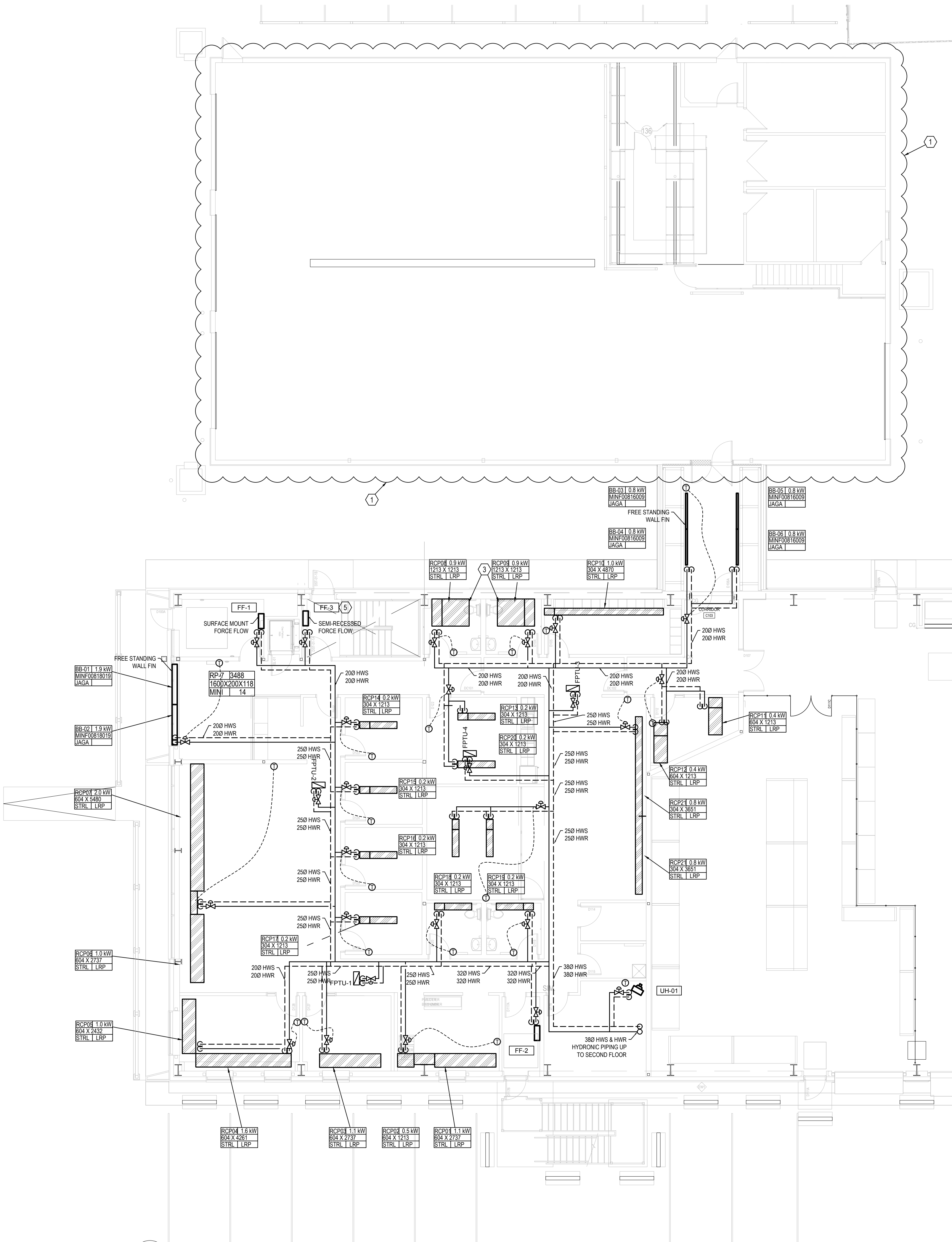
SCALE:
PROJECT NUMBER: 2019.00800
DRAWN BY: WGC

1 : 100

2019.00800

WGC

M101



1 MAIN FLOOR OFFICE - HYDRONIC HEATING
SCALE: 1: 100

CONSULTANTS:

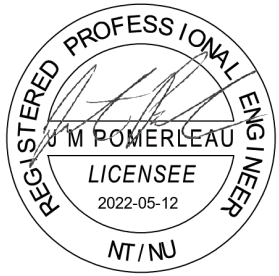


NOTES:

GENERAL NOTES:

- REFER TO ARCHITECTURAL RCP FOR ALL CEILING MOUNTED FIXTURES
- CONFIRM CEILING MOUNTING TYPE OF ALL RADIANT PANELS PRIOR TO ORDERING
- REFER TO DETAILS FOR VALVING AND CONNECTION DETAILS TO HYDRONIC EQUIPMENT. AUTO FLOW VALVES ARE TO BE SELECTED BASED ON FLOW RATE. NOT LINE SIZE.
- BALL VALVES ARE TO MATCH LINE SIZE AND MATERIAL.
- COORDINATE RADIANT PANEL INSTALLATION IN THE T-BAR CEILING AREAS WITH THE GENERAL CONTRACTOR. IN GENERAL, THE PROCESS SHALL CONSIST OF:
 - INSTALL CEILING TRACK ON OUTSIDE WALL
 - CONFIRM ACTUAL PANEL DIMENSIONS WITH APPROVED SUBMITTAL OR PANEL ON SITE
 - RUN SECOND TEE AT INTERIOR SIDE OF RADIANT PANEL
 - INSTALL REMAINDER OF GRID FROM SECOND TEE MAINTAINING THE SPECIFIED ARCHITECTURAL GRID DIMENSIONS.

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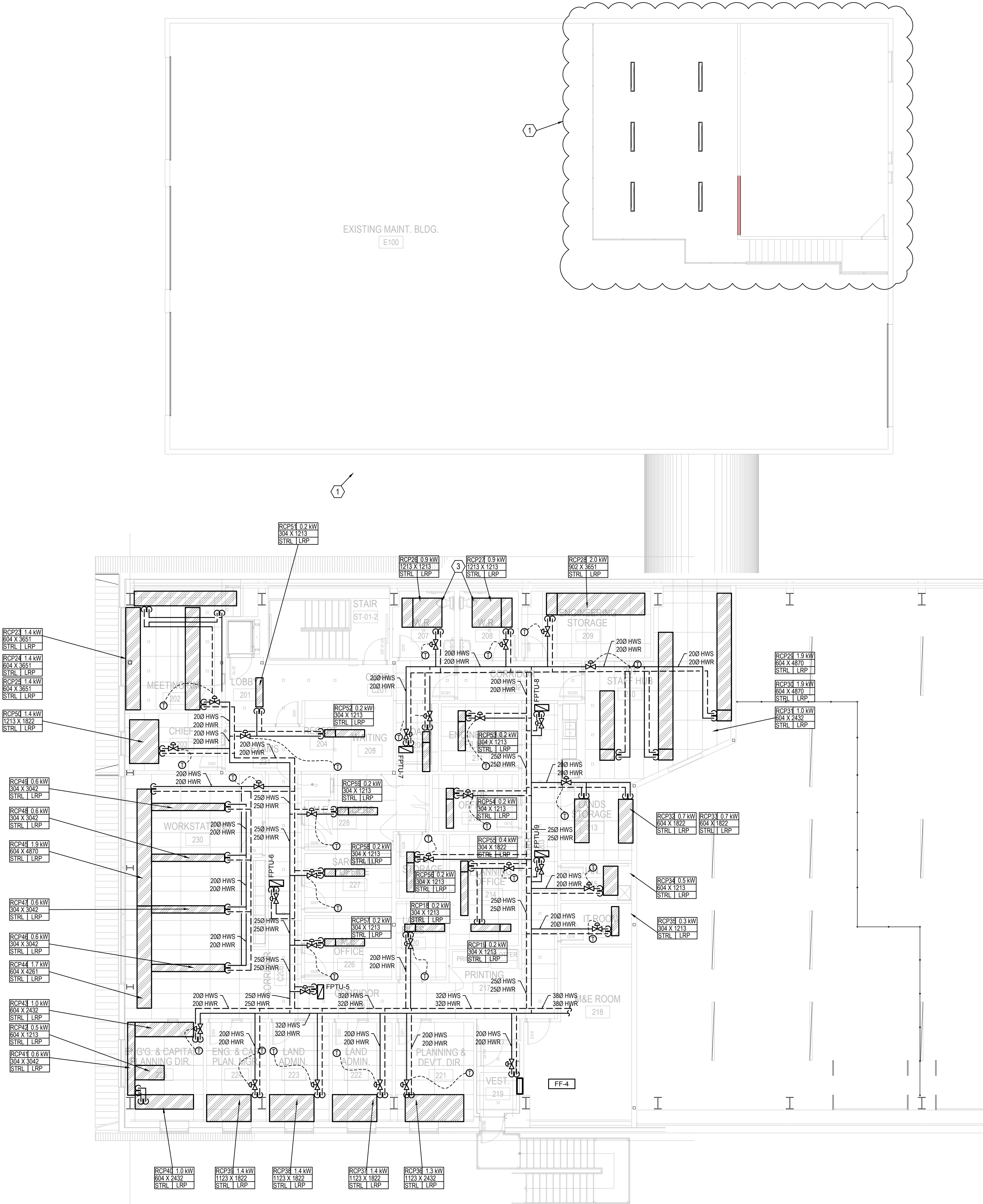
1549 FEDERAL ROAD
IQALUIT, NANAVUT
X0A 0H0

CLIENT PROJECT NO. 820837

TITLE:
SECOND FLOOR OFFICE
HYDRONIC HEAT

SCALE: 1 : 100
PROJECT NUMBER: 2019.00800
DRAWN BY: WGC

M102

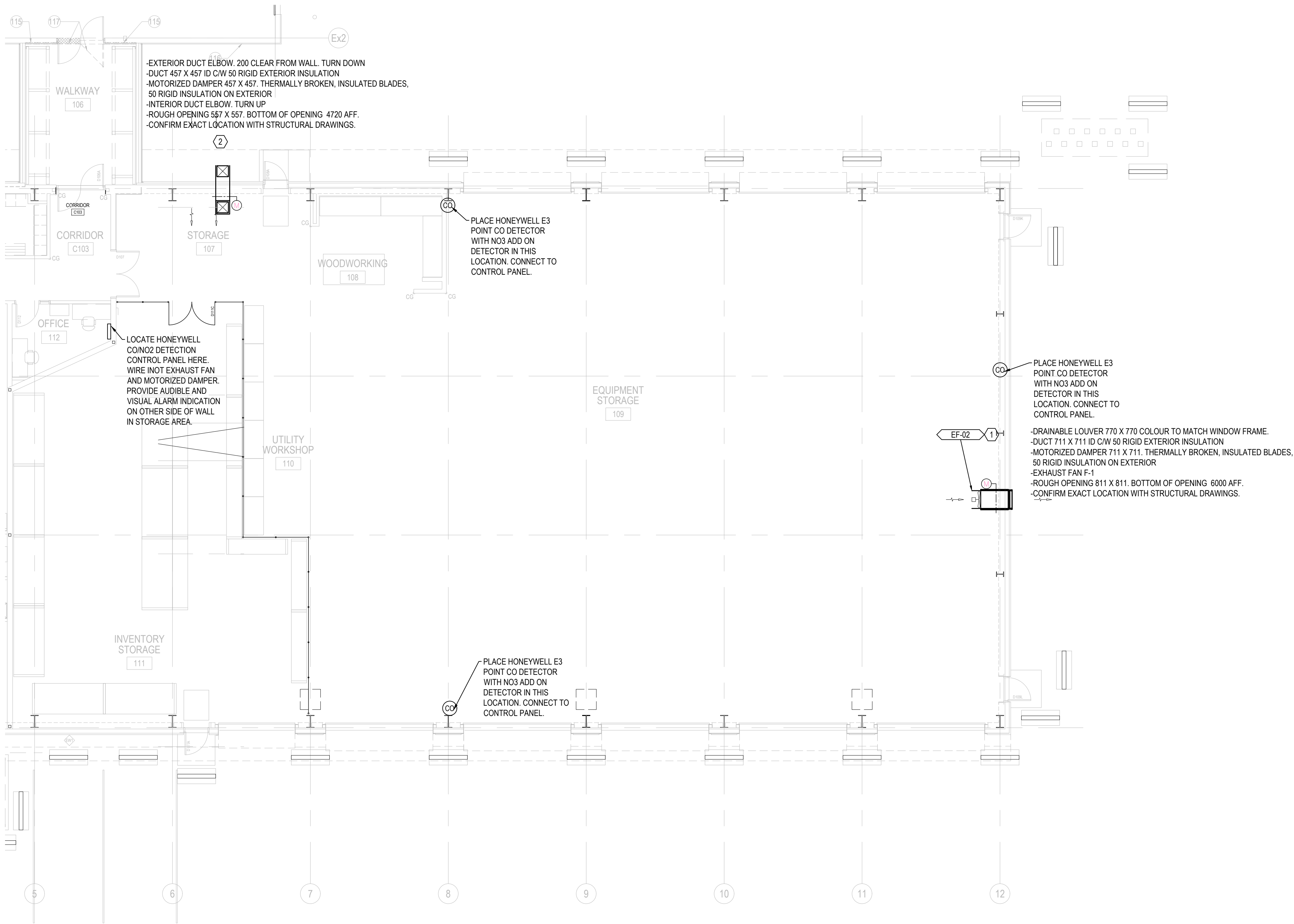


CONSULTANTS:



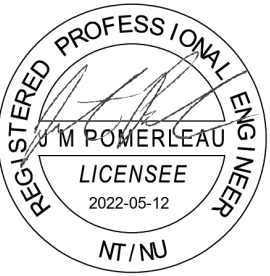
NOTES:

- # DRAWING KEYNOTES:
- EXHAUST FAN c/w MOTORIZED DAMPER
CONTROLLED BY CO/NO2 DETECTOR.
INTERLOCK WITH INLET DAMPER.
 - INLET DAMPER c/w ARCTIC HOOD. INTERLOCK
WITH EXHAUST FAN.



1 GARAGE AND STORAGE AREAS - VENTILATION
M103 SCALE: 1: 100

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X0A 0H0

CLIENT PROJECT NO. 820837

TITLE:
GARAGE AND STORAGE AREAS
VENTILATION

SCALE: 1: 100
PROJECT NUMBER: 2019.00800
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M103

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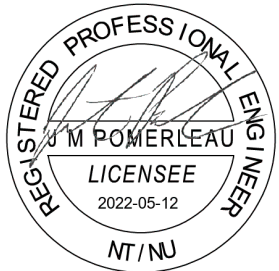


NOTES:

DRAWING KEYNOTES:

- REFER TO ARCHITECTURAL FOR DEMOLITION AREA. EXISTING VENTILATION IN DEMOLITION AREA TO BE REMOVED. REMOVE ABANDONED DUCT AND CAT AT MAIN. CLEAN ALL REMAINING DUCTS, REPLACE FILTERS AND BALANCE TO VALUES INDICATED.
- SUPPLY AIR DIFFUSER, TYPICAL.
- EXHAUST AIR GRILLE, TYPICAL.
- ALL SUPPLY DIFFUSER RUN-OUTS ARE 150 Ø FLEX DUCT.
- SUPPLY AIR DUCT RISE UP TO MAIN FLOOR MECHANICAL ROOM. 500mm X 600mm.
- RETURN AIR DUCT RISE UP TO MAIN FLOOR MECHANICAL ROOM. 350mm X 600mm.

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PERMIT NUMBER: P407
NT/NU Association of Professional Engineers and Geoscientists

0	22/05/12	ISSUED FOR CONSTRUCTION
REV	DATE	DESCRIPTION

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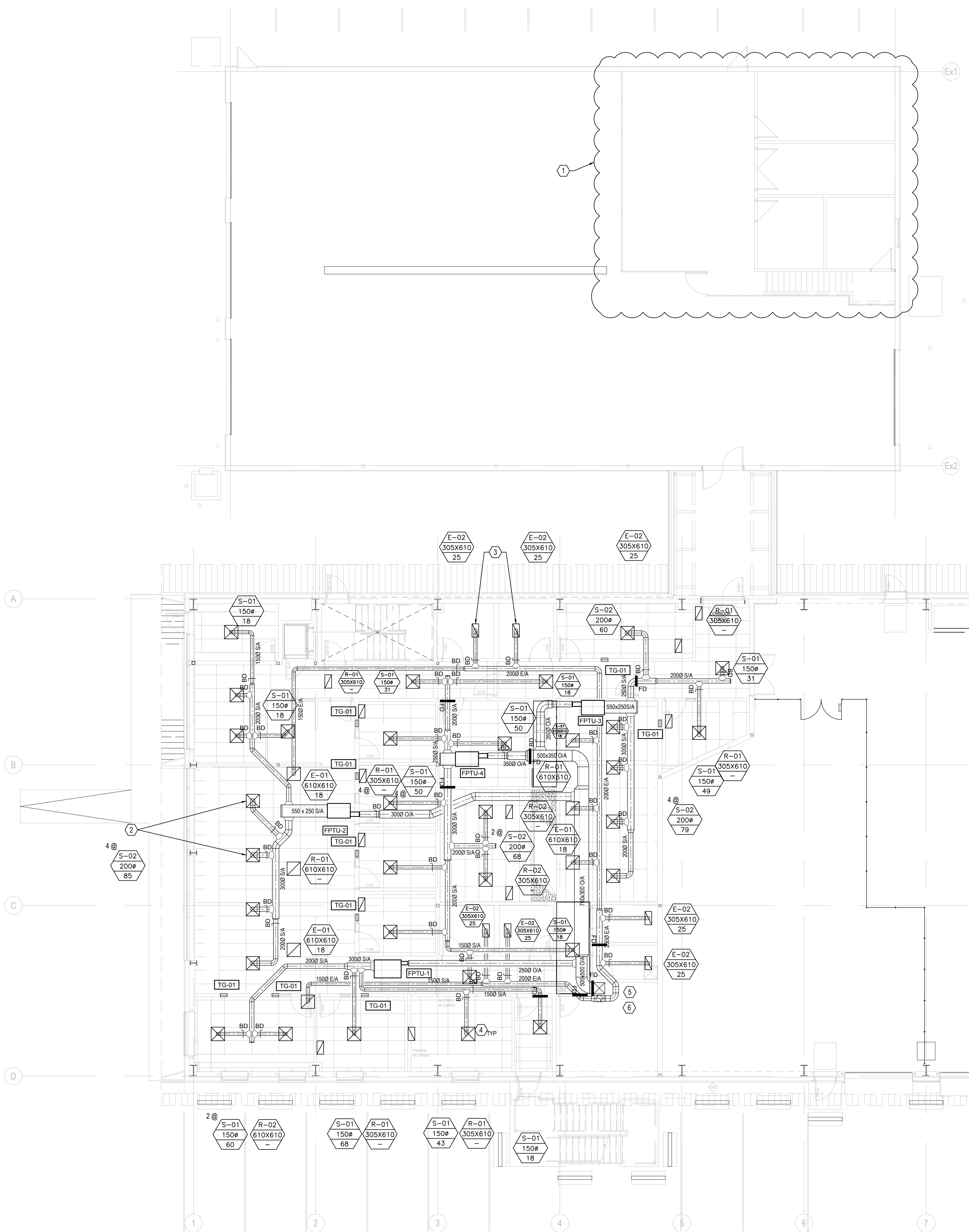
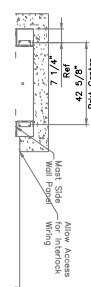
1549 FEDERAL ROAD
IQALUIT, NUNAVUT
X0A 0H0

CLIENT PROJECT NO. 820837

TITLE:
MAIN FLOOR OFFICE VENTILATION

SCALE: 1 : 100
PROJECT NUMBER: 2019.00800
DRAWN BY: WGC

M104



1 MAIN FLOOR OFFICE - VENTILATION
SCALE: 1: 100

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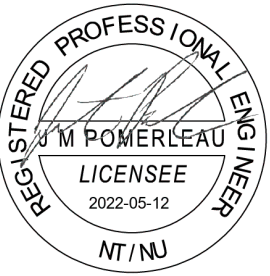


NOTES:

DRAWING KEYNOTES:

- REFER TO ARCHITECTURAL FOR DEMOLITION AREA. EXISTING VENTILATION IN DEMOLITION AREA TO BE REMOVED. REMOVE ABANDONED DUCT AND CAT AT MAIN. CLEAN ALL REMAINING DUCTS. REPLACE FILTERS AND BALANCE TO VALUES INDICATED.
- SUPPLY AIR DIFFUSER, TYPICAL.
- RETURN AIR GRILLE, TYPICAL.

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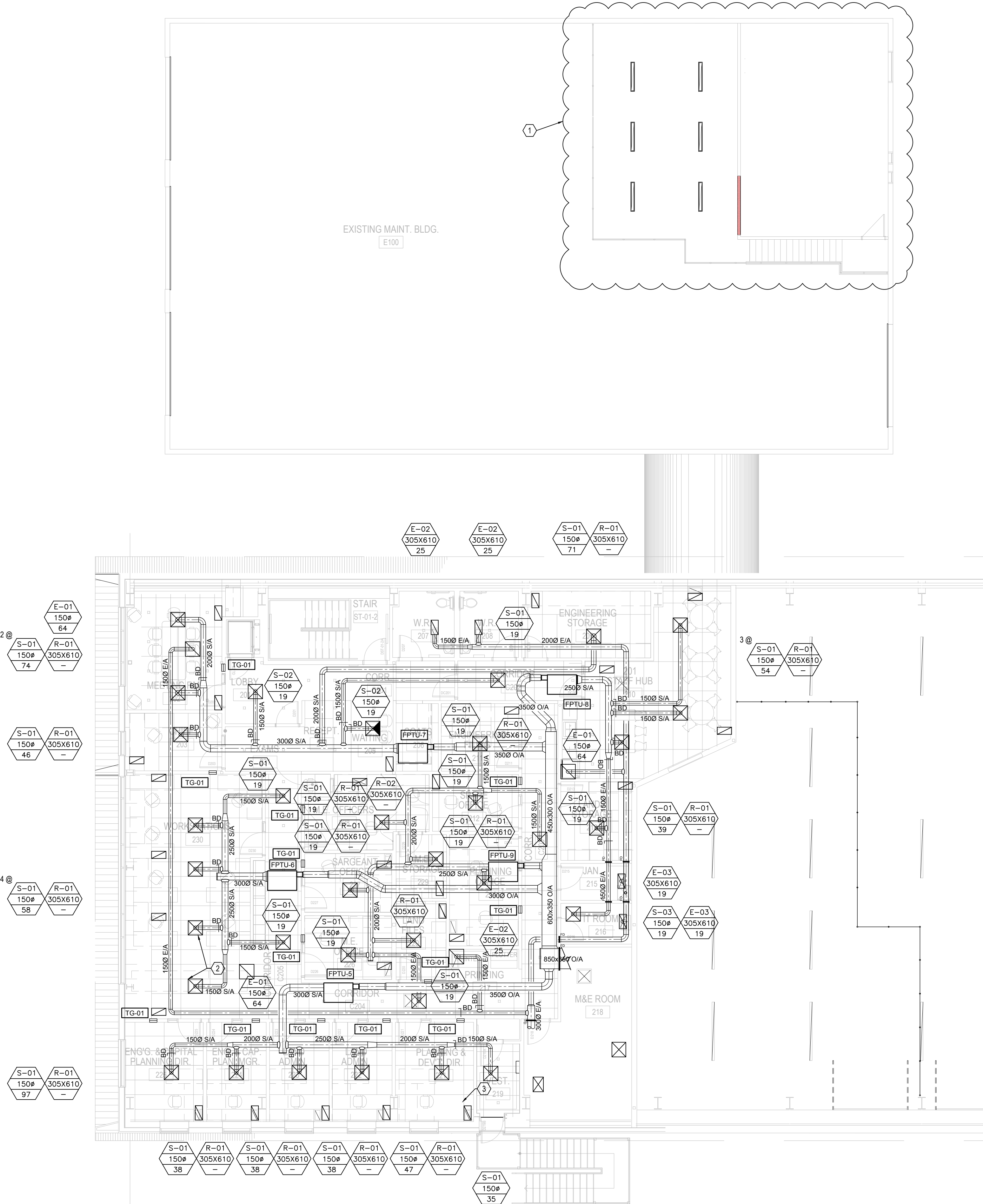
1549 FEDERAL ROAD
IQALUIT, NANAVUT
X0A 0H0

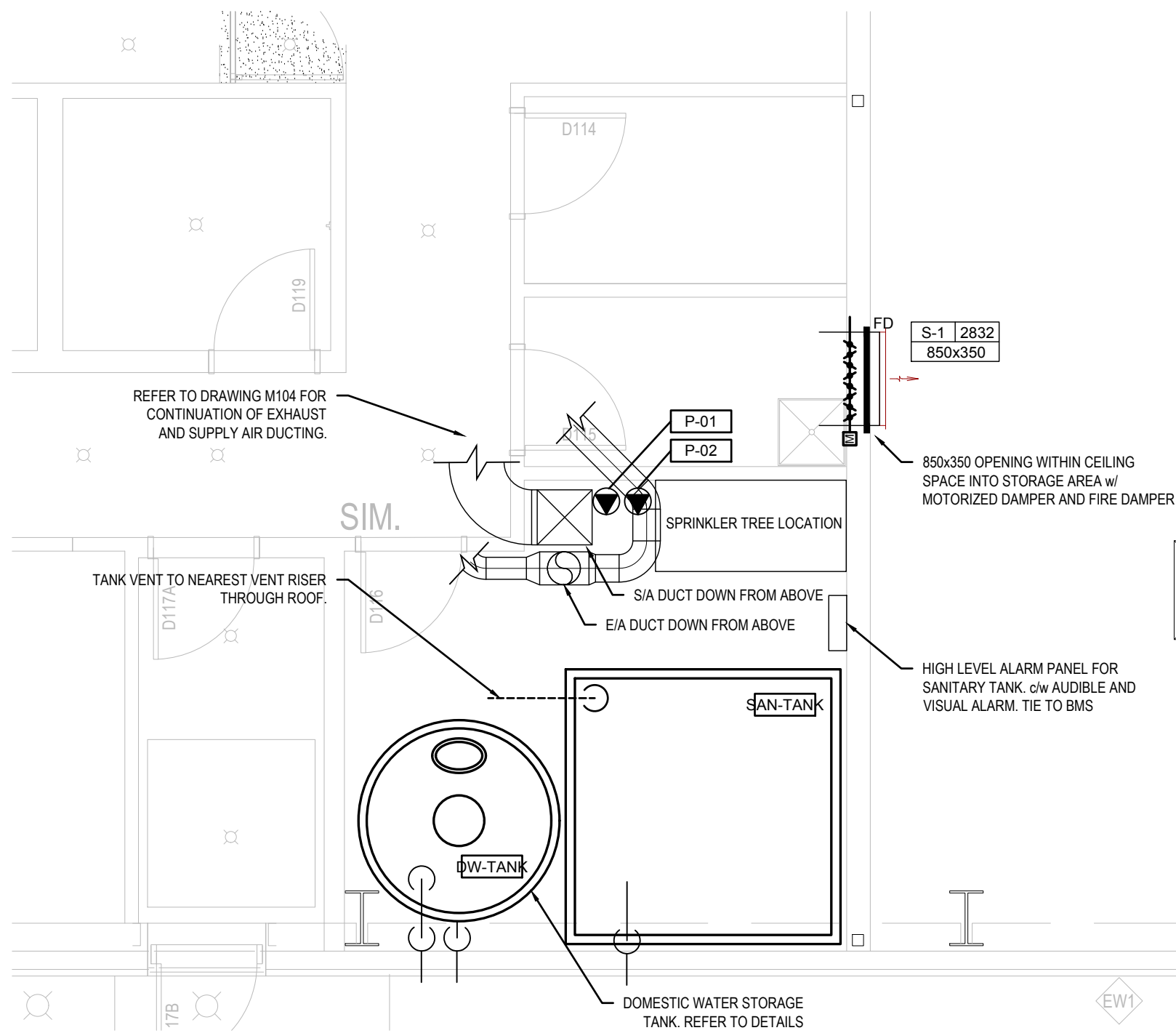
CLIENT PROJECT NO. 820837

TITLE:
SECOND FLOOR VENTILATION

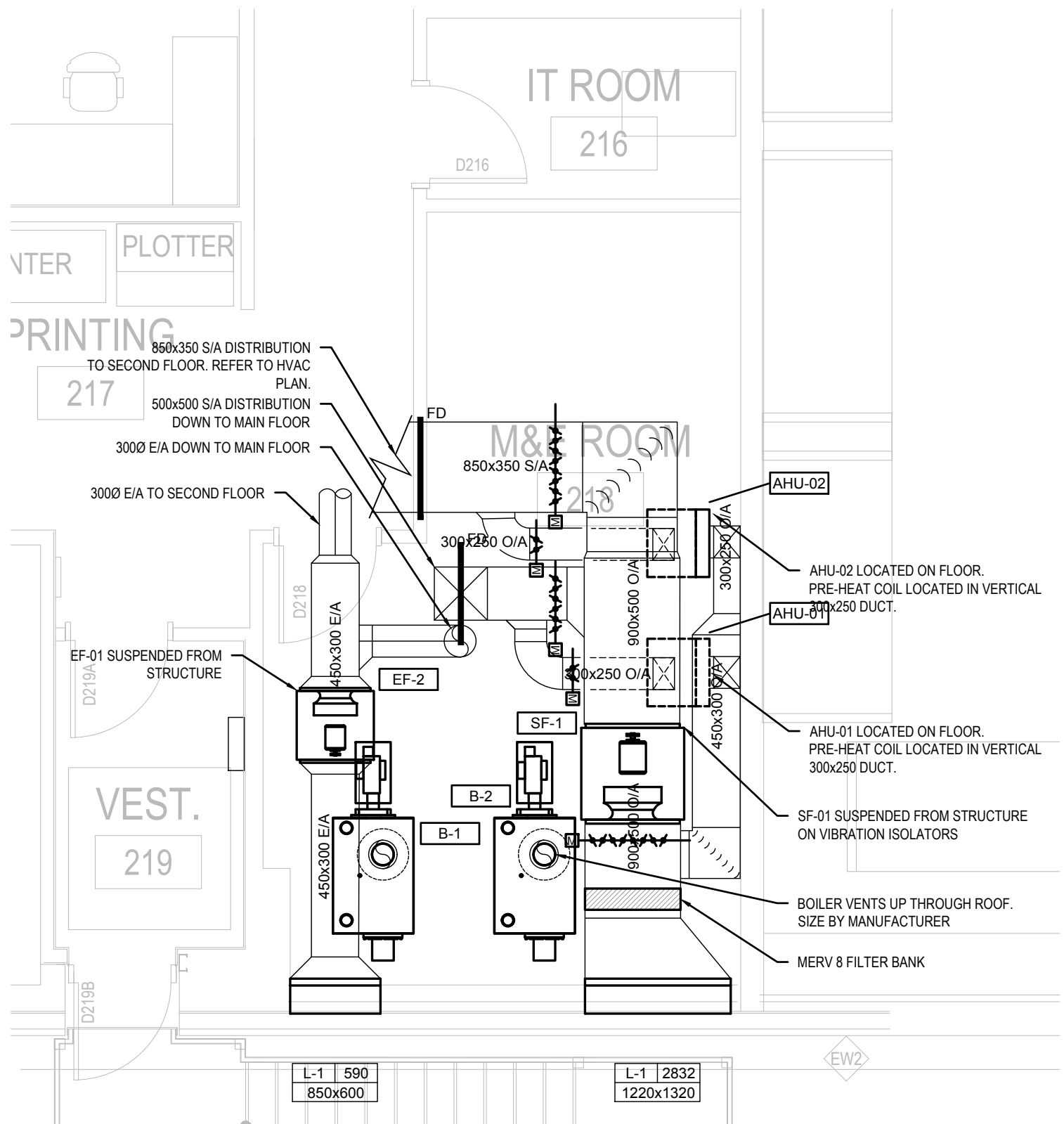
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PROJECT NUMBER: 2019.00800
DRAWN BY: WGC

M105

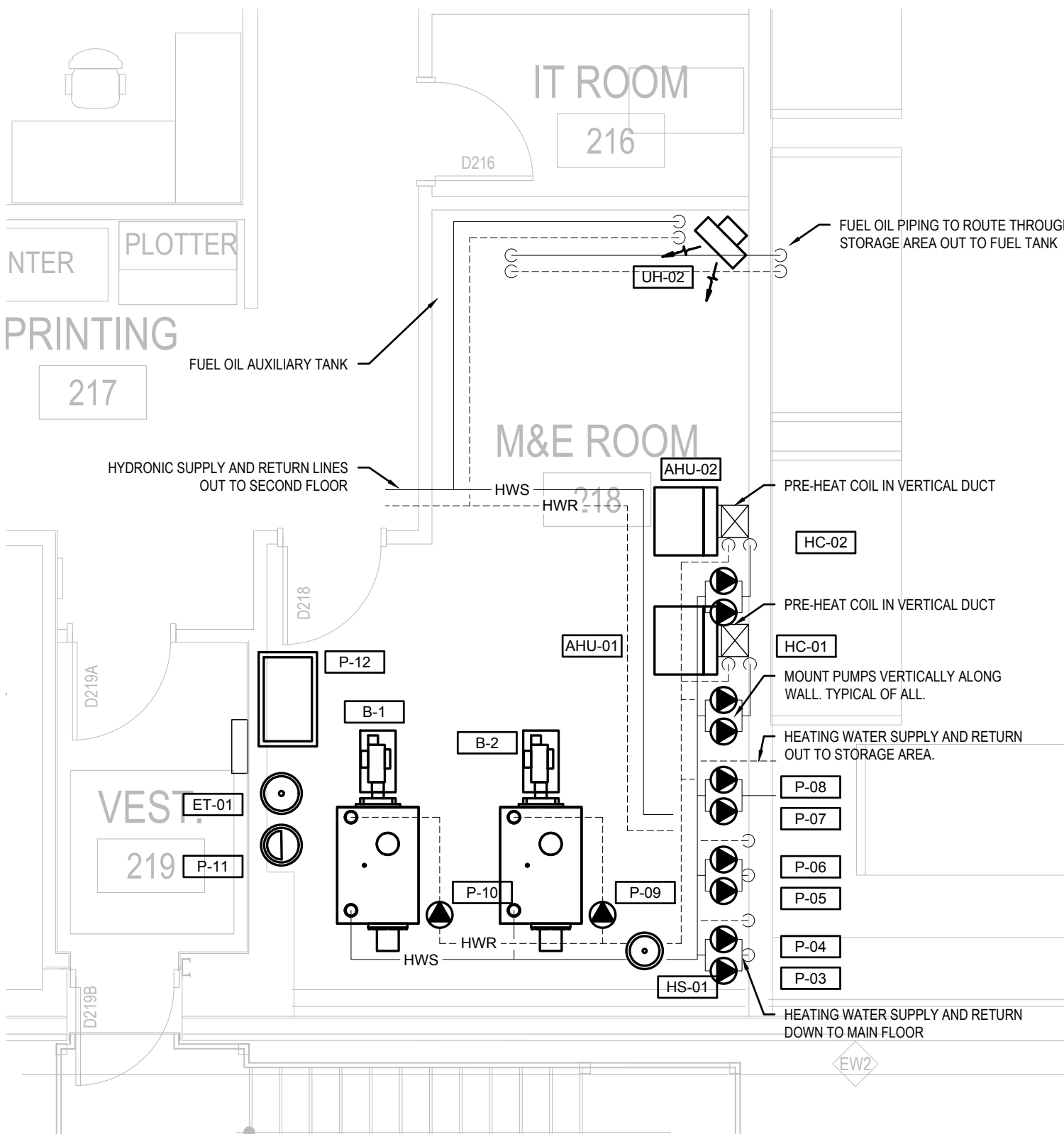




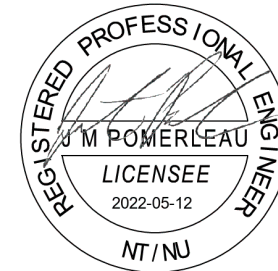
1 MAIN FLOOR MECHANICAL ROOM DETAIL
SCALE: N.T.S.



2 SECOND FLOOR MECHANICAL ROOM DETAIL - HVAC
SCALE: N.T.S.



3 SECOND FLOOR MECHANICAL ROOM DETAIL - HYDRONIC
SCALE: N.T.S.



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X0A 0H0

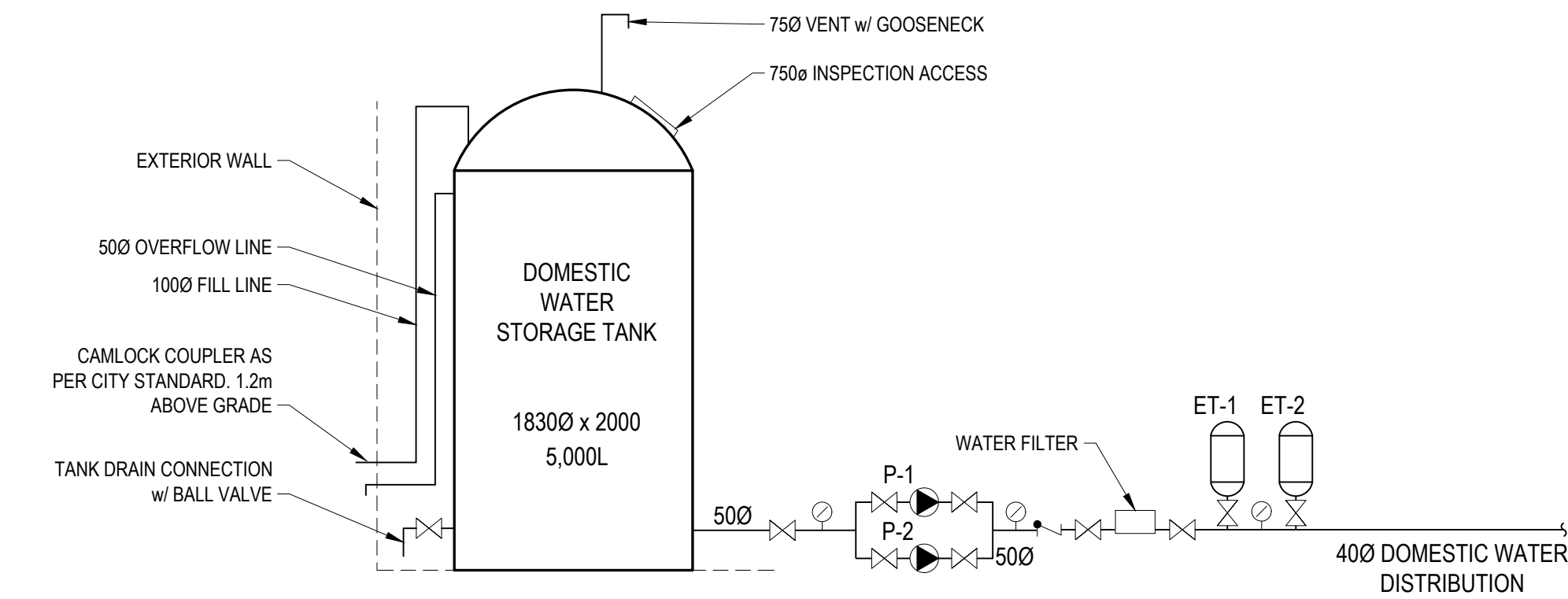
CLIENT PROJECT NO. 820837

TITLE:
MECHANICAL ROOM PLANS

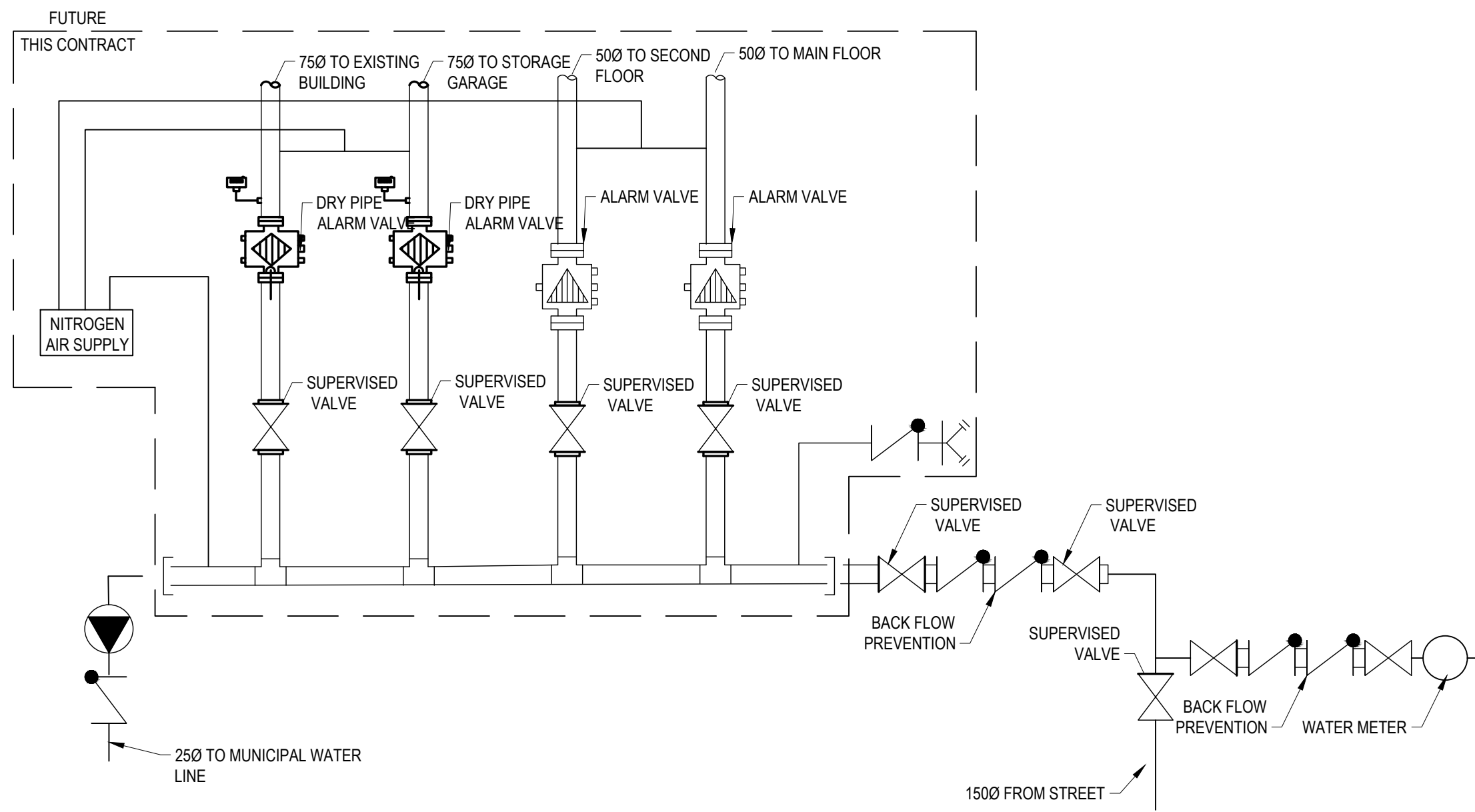
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PROJECT NUMBER:
DRAWN BY:

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2019.00800
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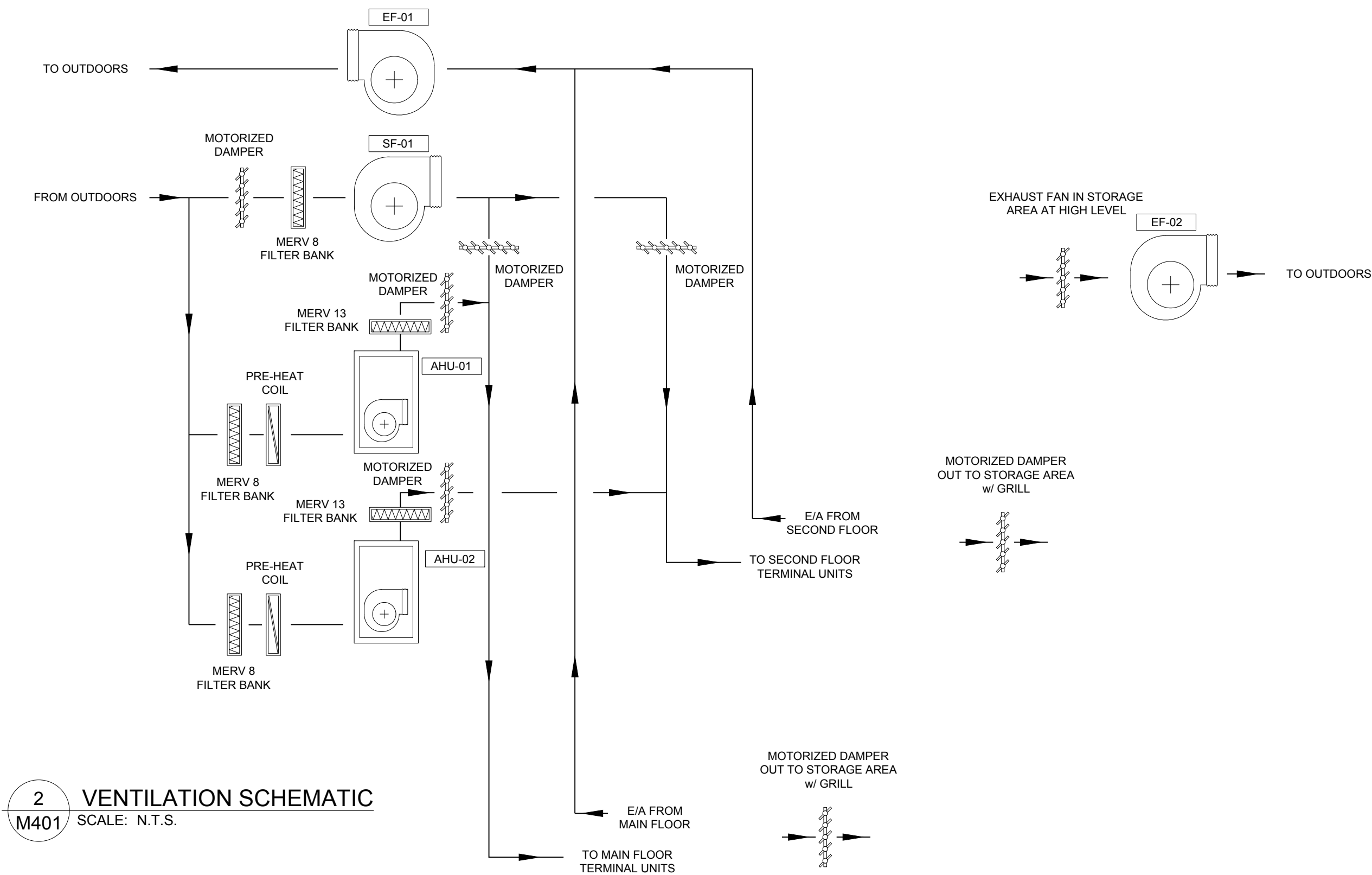
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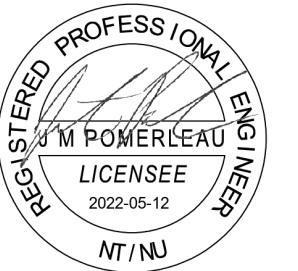
1 DOMESTIC WATER SCHEMATIC
M401 SCALE: N.T.S.



3 DOMESTIC WATETR AND SPRINKLER TREE SCHEMATIC
M401 SCALE: N.T.S.



2 VENTILATION SCHEMATIC
M401 SCALE: N.T.S.



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CLIENT PROJECT NO. 820837

TITLE:
SCHEMATICS

SCALE:
PROJECT NUMBER: 2019.00800
DRAWN BY: WGC

1 : 100

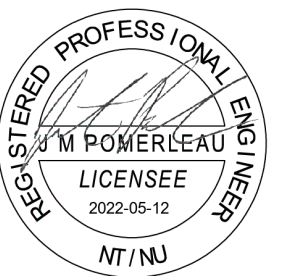
M401

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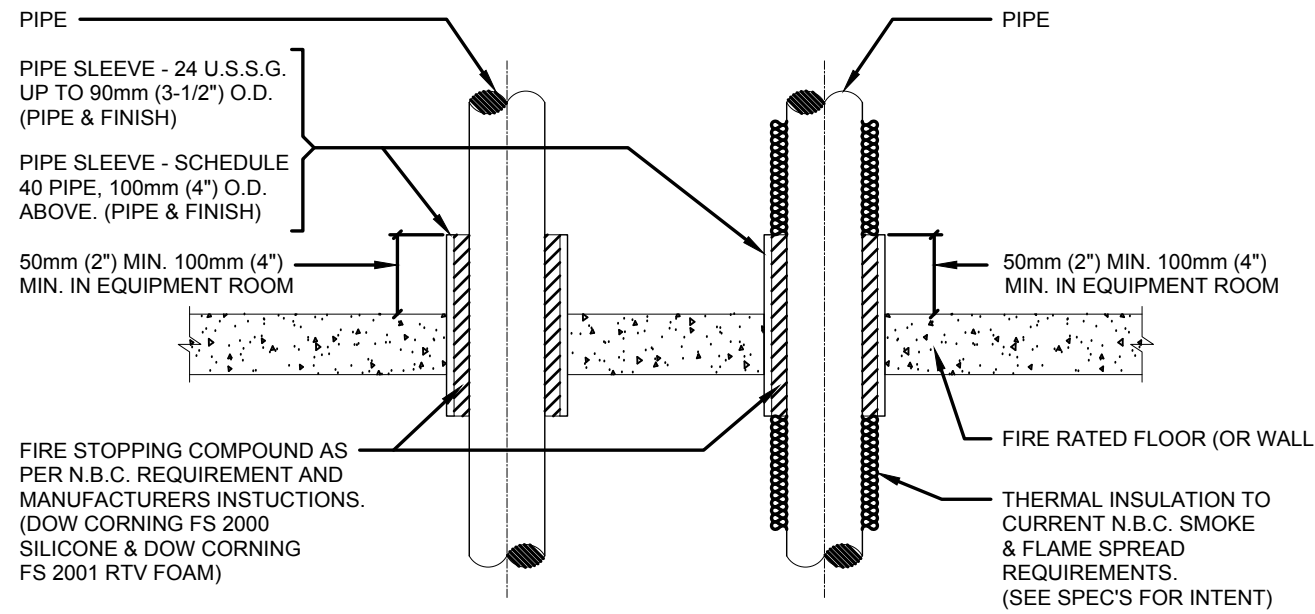
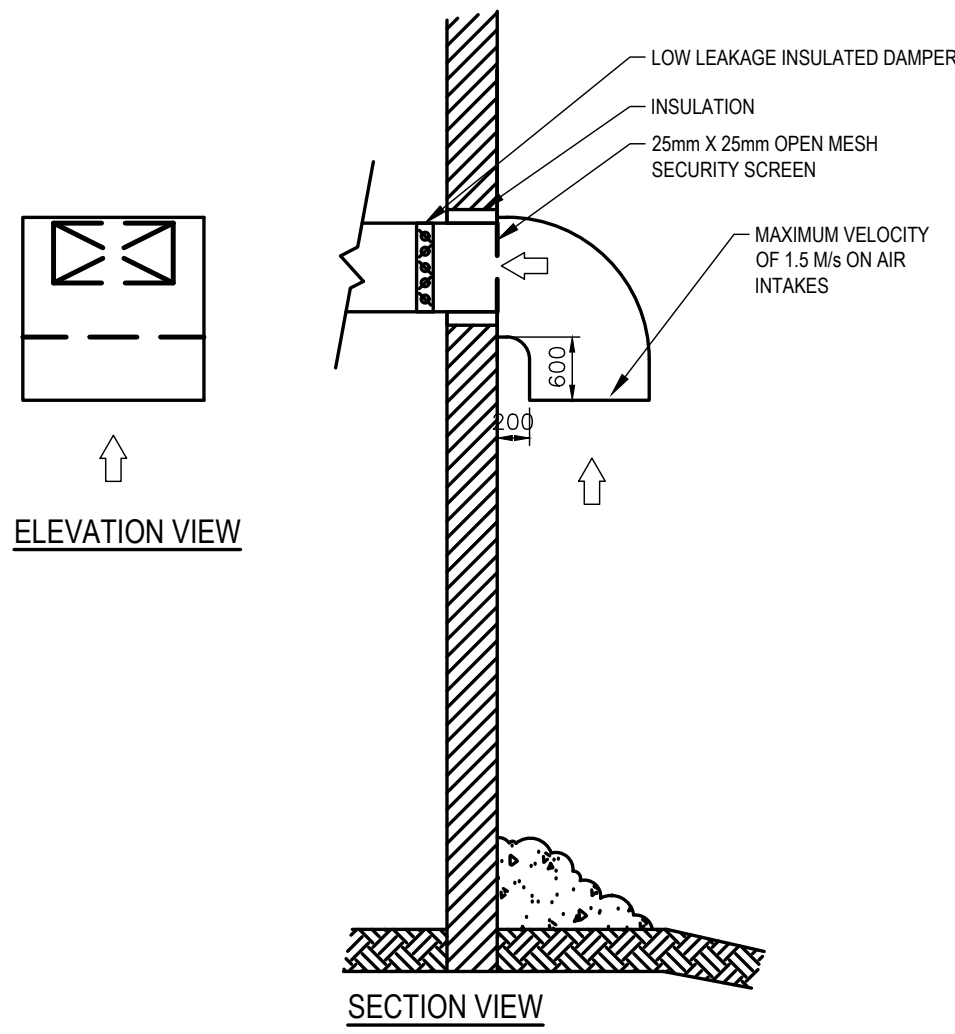
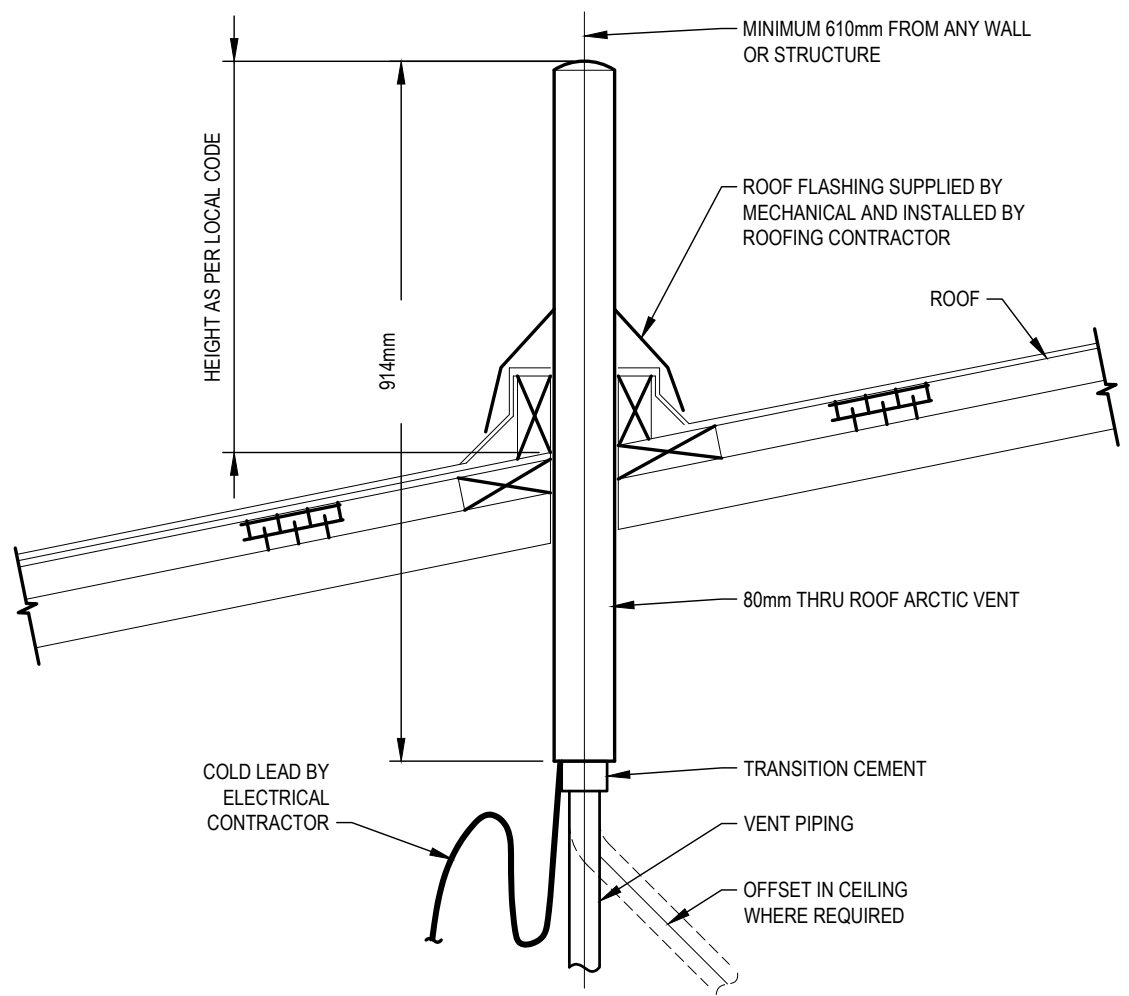
CLIENT:
CITY OF JOALUIT

1549 FEDERAL ROAD
IQALUIT, NUNAVUT
X0A 0H0

TITLE:
SCHEMATICS

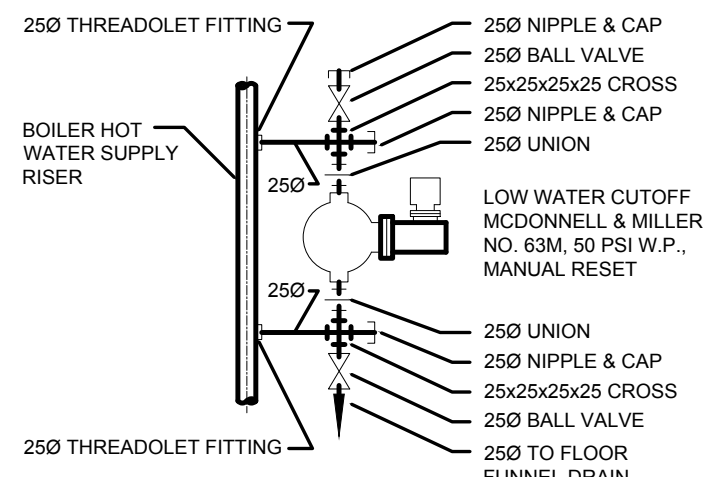
M402

- NOTE:
1. VENT LOCATIONS TO BE VERIFIED ON SITE BY MECHANICAL CONTRACTOR PRIOR TO INSTALLATION.
 2. REFER TO SPECIFICATION 224201 FOR DETAILS.

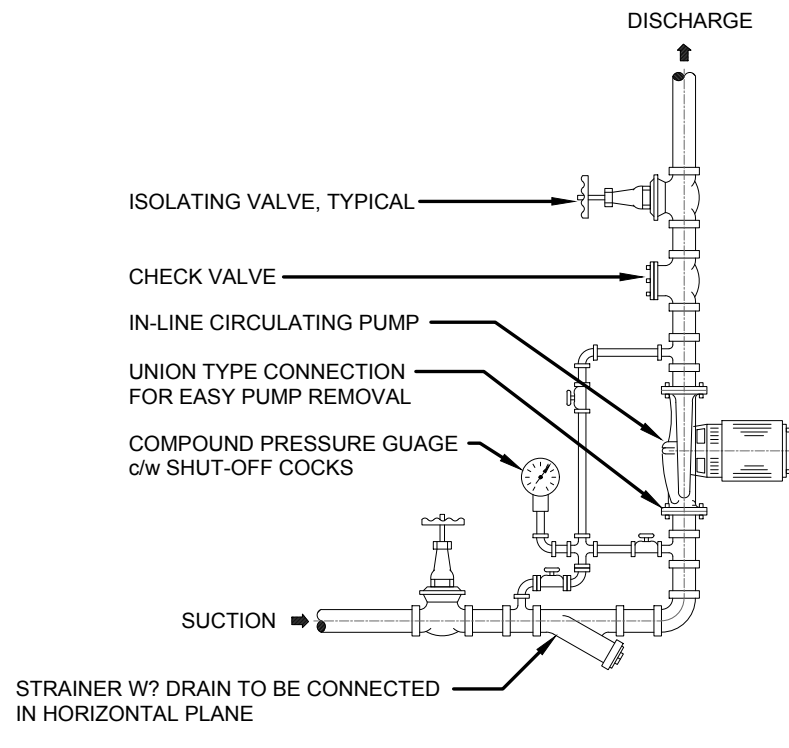


SLEEVING & FIRE STOPPING DETAIL OF PIPING PASSING THRU FIRE RATED FLOORS (OR WALLS)
N.T.S. M/SD #8007

NOTE:
ALL PIPE SLEEVES FOR PIPING IN MECHANICAL EQUIPMENT ROOMS TO BE SCHEDULE 40.

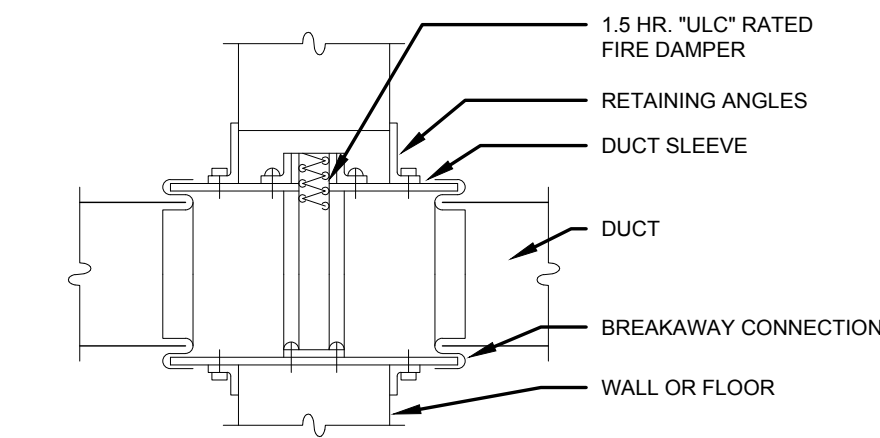


DETAIL LOW WATER CUTOFF PIPING
N.T.S. M/SD #2018



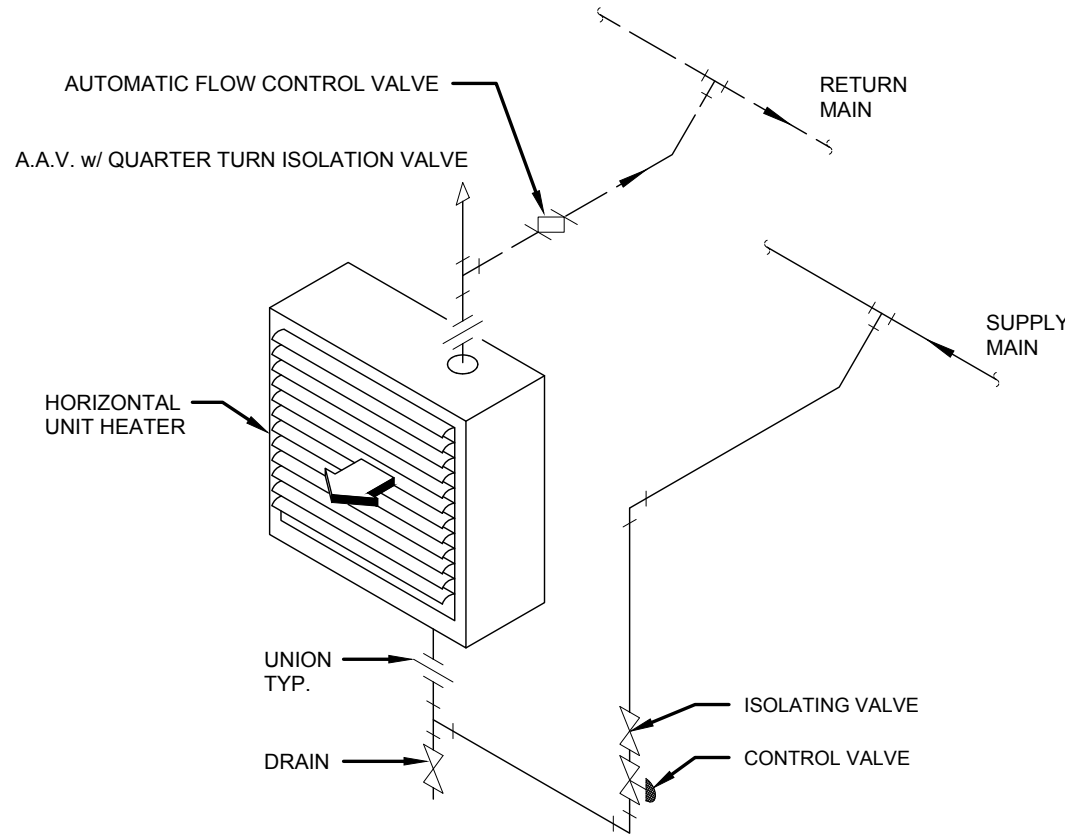
INSTALLATION DETAIL OF IN-LINE CIRCULATING PUMP
N.T.S. M/SD #7001

NOTE: IF MULTIPLE ROW TYPE, PIPE AS COUNTERFLOW ARRANGEMENT. LEAVE SPACE FOR PUMP AND PIPING CONNECTIONS TO PUMP.

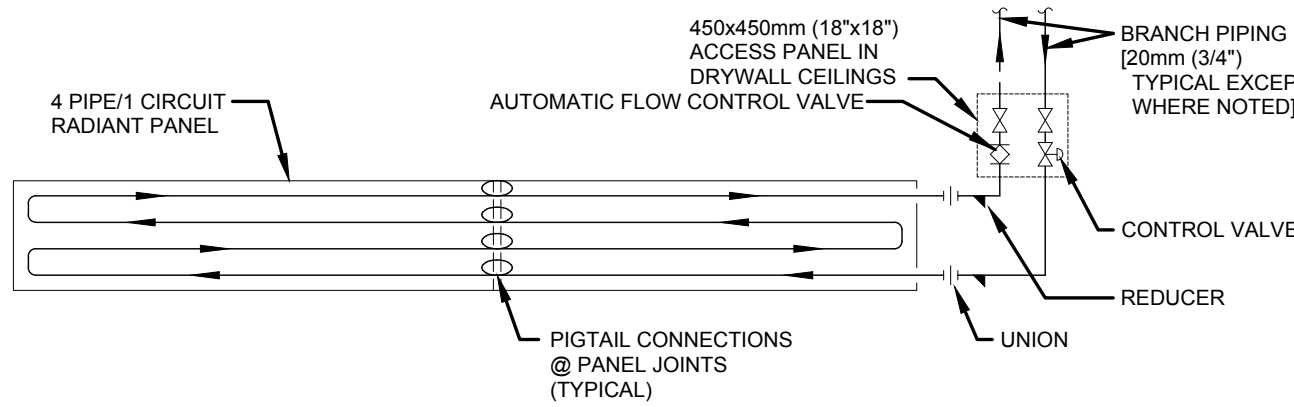


DETAIL OF FIRE DAMPERS IN DUCTS PASSING THRU FIRE SEPARATIONS
N.T.S. M/SD #3011B

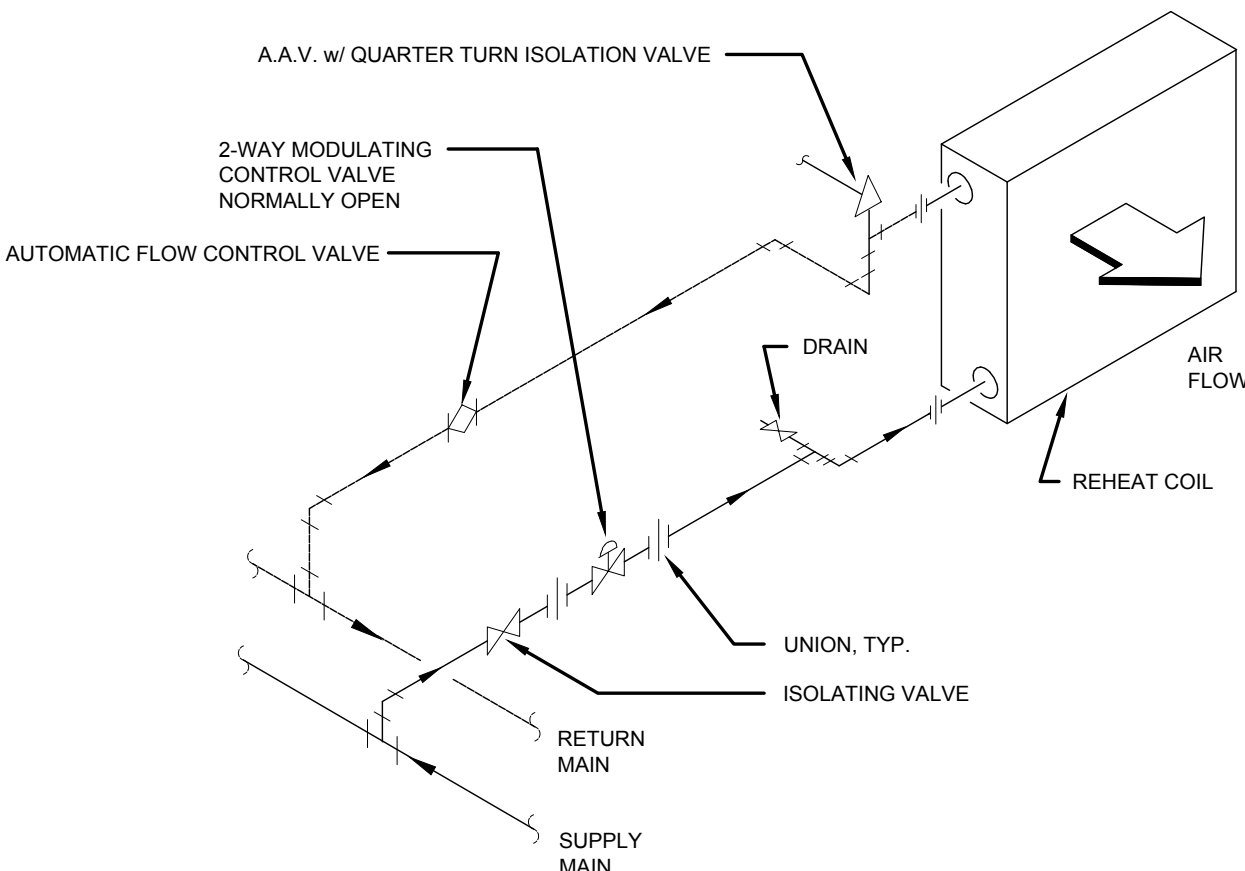
NOTE: "FID" ON DRAWINGS DESIGNATES FUSIBLE LINK FIRE DAMPERS. SIZE AND WEIGHT OF RETAINING ANGLES, WEIGHT OF SLEEVES, AND INSTALLATION OF DAMPERS TO BE IN STRICT ACCORDANCE WITH THE "ULC" INSTALLATION APPROVALS FOR THE PARTICULAR DAMPER BEING INSTALLED.



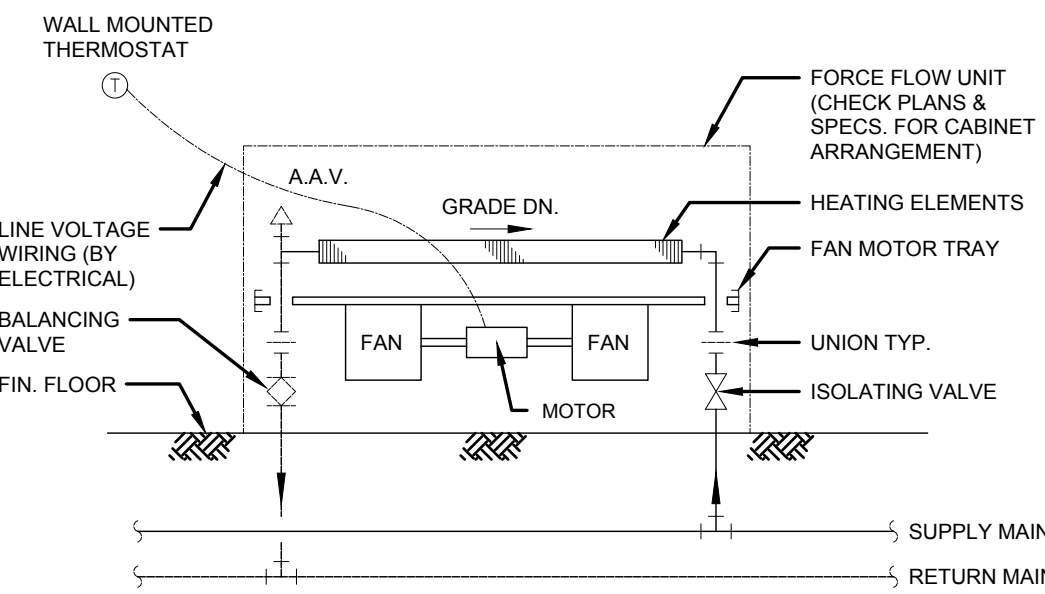
TYPICAL WATER PIPING CONNECTION TO UNIT HEATERS
N.T.S. M/SD #2005B



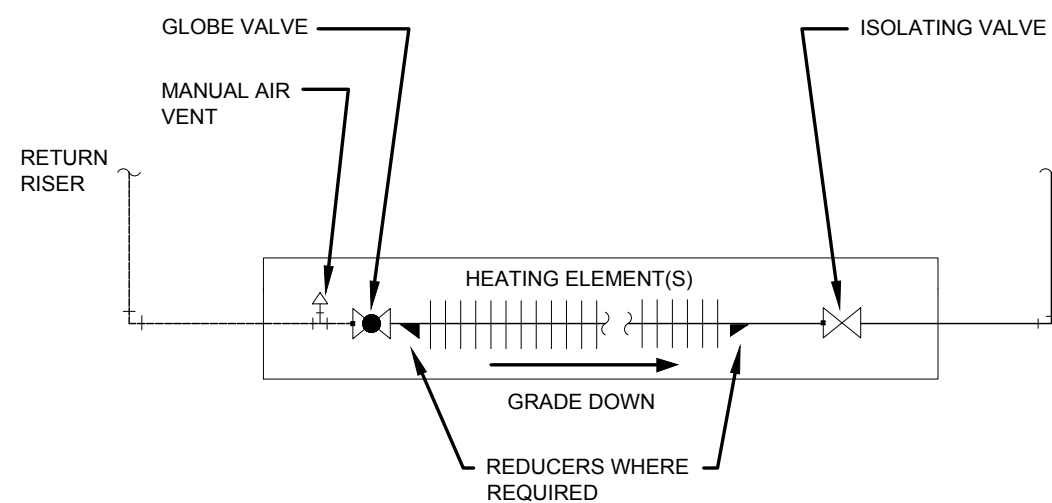
DETAIL OF TYPICAL RADIANT PANEL PIPING
N.T.S. M/SD #2013A



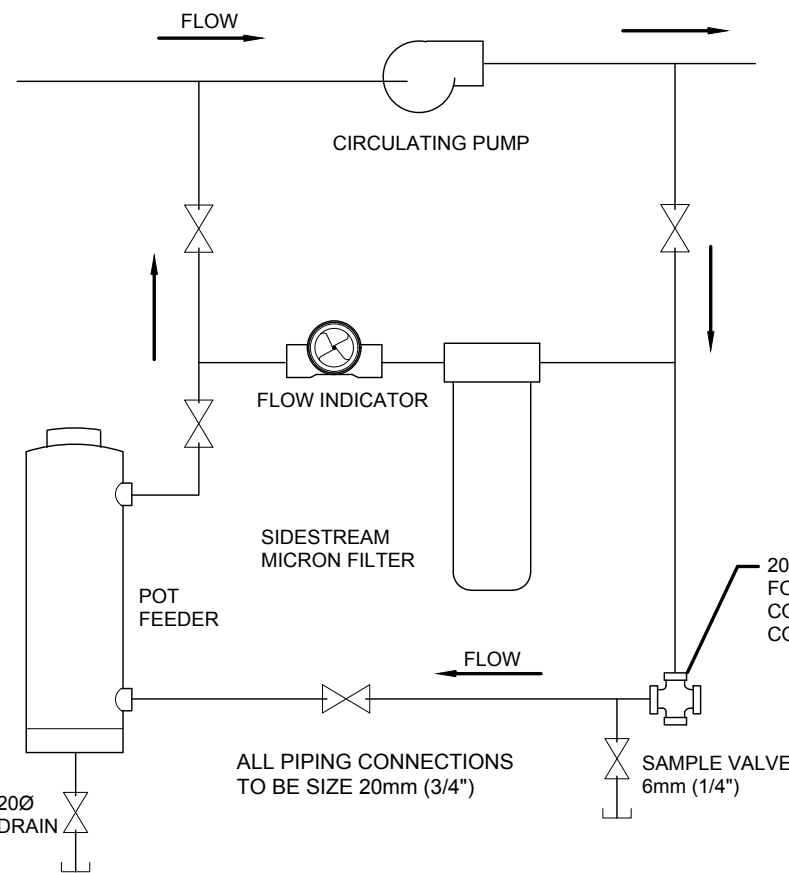
TYPICAL PIPING CONNECTIONS TO HOT WATER REHEAT COIL
N.T.S. M/SD #2003B



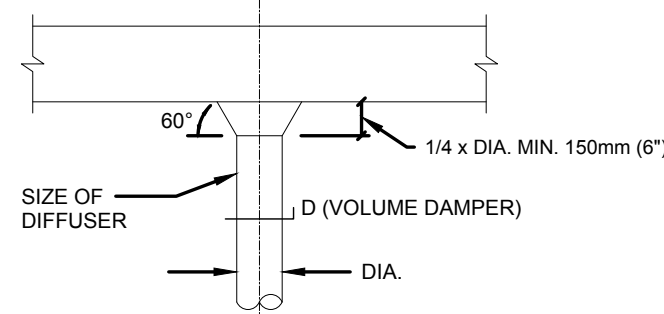
TYPICAL PIPING CONNECTIONS TO FLOOR MOUNTED FORCE FLOW UNIT
N.T.S. M/SD #2012



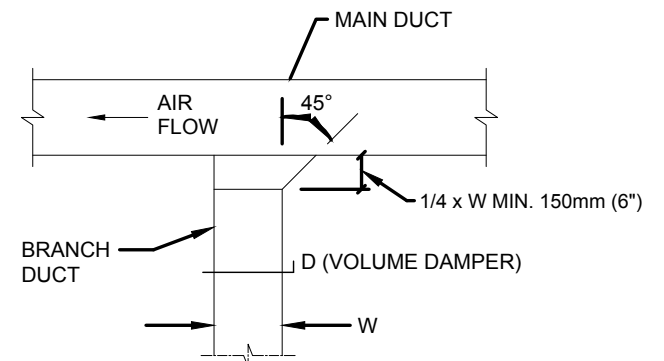
TYPICAL PIPING CONNECTIONS TO BASEBOARD AND WALLFIN RADIATION
N.T.S. M/SD #2001B



POT FEEDER AND MICRON FILTER
N.T.S. M/SD #1010

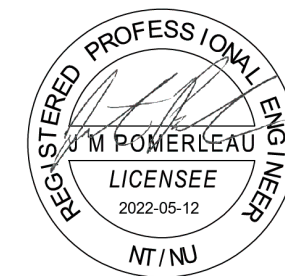


TYPICAL ROUND BRANCH DUCT TAKE-OFF
N.T.S. M/SD #3007



TYP. RECTANGULAR BRANCH DUCT TAKE-OFF
N.T.S. (NOT TO BE USED ON V.A.V. SYSTEMS) M/SD #3007

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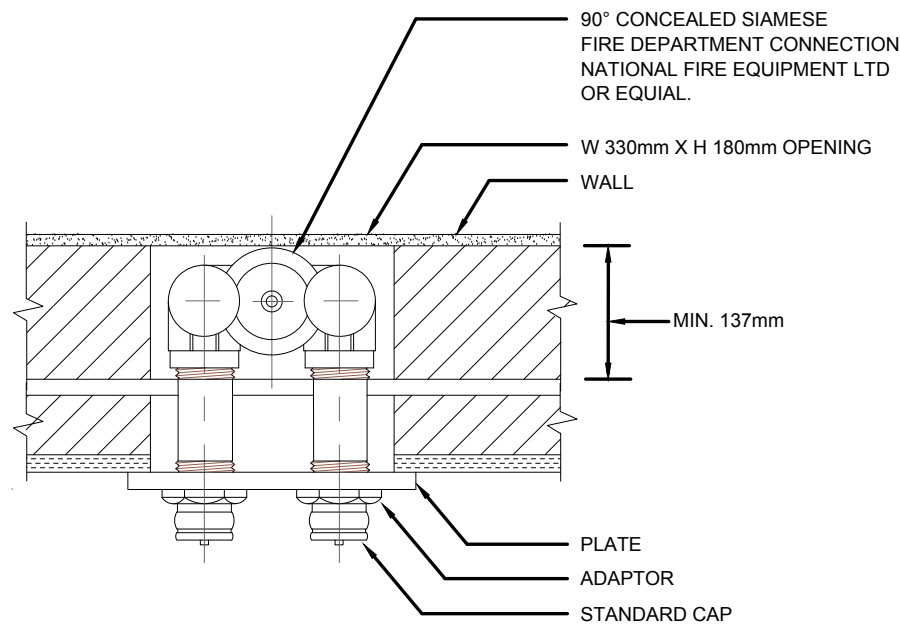
CLIENT PROJECT NO. 820837

TITLE: TITLE:

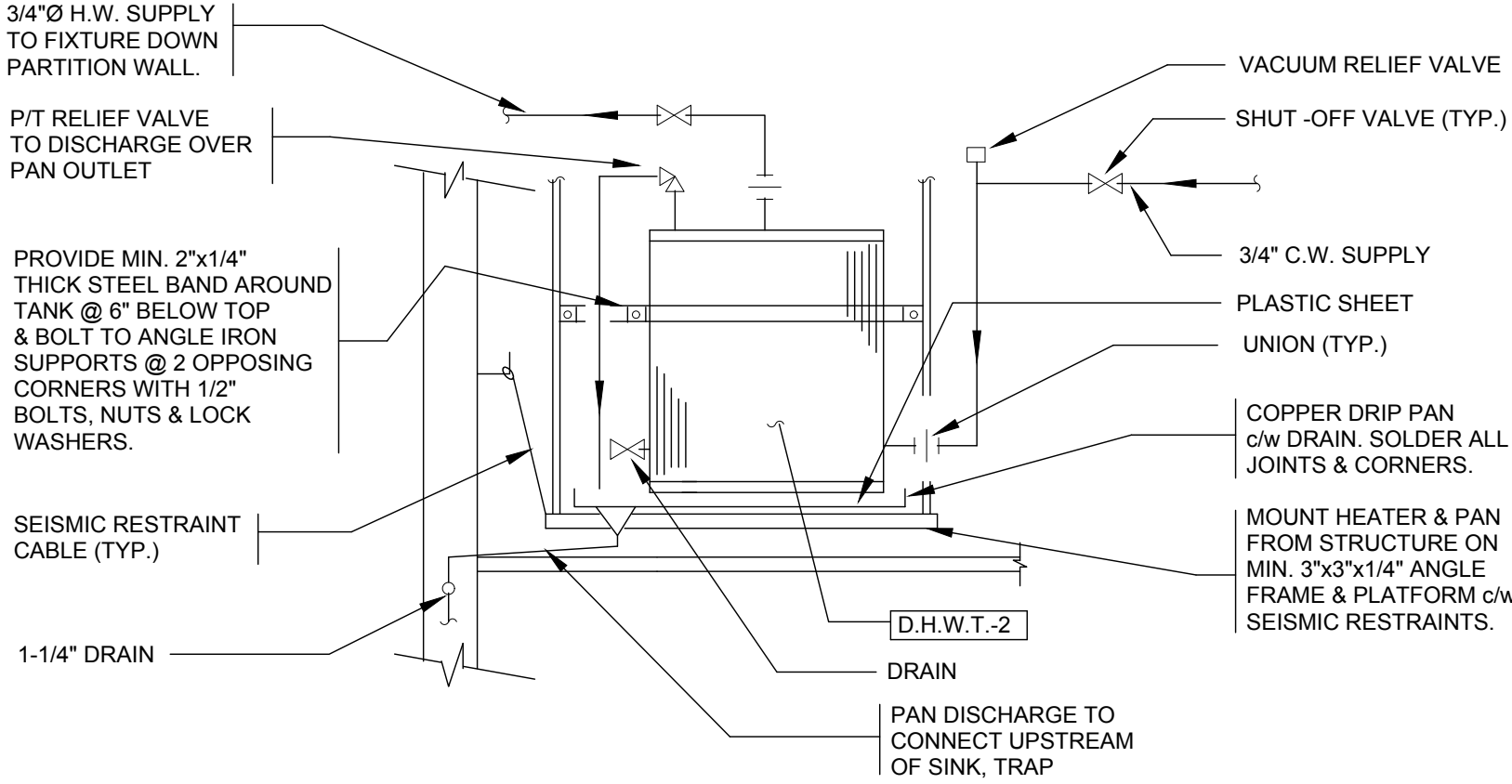
MECHANICAL DETAILS

SCALE: N/A
PROJECT NUMBER: 2019.00800
DRAWN BY: JMP

M501



 FIRE DEPARTMENT CONNECTION
N.T.S.



ELECTRIC H.W. HEATER SCHEMATIC
N.T.S. (IN CLG. SPACE) P/SD #3009C

CONSULTANTS:

NOTES:

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X0A 0H0

CLIENT PROJECT NO. 820837

TITLE: TITLE:
MECHANICAL DETAILS

SCALE: N/A
PROJECT NUMBER: 2019.00800
DRAWN BY: JMP

M500

RADIANT CEILING PANEL (BASED ON STERLING)																								
TAG	SERVICE	WIDTH OF PANEL		# OF TUBES	LENGTH OF ACTIVE RADIANT PANEL		LENGTH OF INACTIVE SECTION		LENGTH OF PANEL		E.W.T.		L.W.T.		CAPACITY		DESIGN		WPD	MANUFACTURER	MODEL	NOTES		
		IN	mm		IN	mm	IN	mm	°C	°F	°C	°F	BTU/HR	KW	L/S	GPM	kPa	ft.						
RCP-01	118 - SHARED EQUIPMENT	23.94	608	4	107.75	2,737	12.00	305	119.75	3,042	82	180	71	160	3,286	0.96	0.024	0.38	0.30	0.10	Sterling	LP-24	1, 2	
RCP-02	118 - SHARED EQUIPMENT	23.75	603	4	47.75	1,213	0.00	0	47.75	1,213	82	180	71	160	1,456	0.43	0.010	0.17	0.03	0.01	Sterling	LP-24	1, 2	
RCP-03	127 - EXECUTIVE OFFICE	23.75	603	4	107.75	2,737	12.00	305	119.75	3,042	82	180	71	160	3,286	0.96	0.024	0.38	0.30	0.10	Sterling	LP-24	1, 2	
RCP-04	128 - MEETING ROOM	23.75	603	4	167.75	4,261	24.00	610	191.75	4,870	82	180	71	160	5,116	1.50	0.037	0.58	1.14	0.38	Sterling	LP-24	1, 2	
RCP-05	128 - MEETING ROOM	23.75	603	4	95.75	2,432	24.00	610	119.75	3,042	82	180	71	160	2,920	0.86	0.021	0.33	0.21	0.07	Sterling	LP-24	1, 2	
RCP-06	129 - WORKSTATIONS	23.75	603	4	107.75	2,737	24.00	610	131.75	3,346	82	180	71	160	3,286	0.96	0.024	0.38	0.30	0.10	Sterling	LP-24	1, 2	
RCP-07	129 - WORKSTATIONS	23.75	603	4	215.75	5,480	24.00	610	239.75	6,090	82	180	71	160	6,580	1.93	0.047	0.75	2.43	0.81	Sterling	LP-24	1, 2	
RCP-08	103 - UTR	47.75	1,213	8	47.75	1,213	24.00	610	71.75	1,822	82	180	71	160	2,913	0.85	0.021	0.33	0.21	0.07	Sterling	LP-48	1, 2	
RCP-09	104 - UTR	47.75	1,213	8	47.75	1,213	24.00	610	71.75	1,822	82	180	71	160	2,913	0.85	0.021	0.33	0.21	0.07	Sterling	LP-48	1, 2	
RCP-10	105 - LOCKERS	11.75	298	2	191.75	4,870	48.00	1,219	239.75	6,090	82	180	71	160	3,900	0.91	0.022	0.35	0.24	0.08	Sterling	LP-12	1, 2	
RCP-11	112 - OFFICE	23.75	603	4	47.75	1,213	12.00	305	59.75	1,518	82	180	71	160	1,456	0.43	0.010	0.17	0.03	0.01	Sterling	LP-24	1, 2	
RCP-12	112 - OFFICE	23.75	603	4	47.75	1,213	12.00	305	59.75	1,518	82	180	71	160	1,456	0.43	0.010	0.17	0.03	0.01	Sterling	LP-24	1, 2	
RCP-13	122 - FILING	11.75	298	2	47.75	1,213	12.00	305	59.75	1,518	82	180	71	160	769	0.23	0.006	0.09	0.00	0.00	Sterling	LP-12	1, 2	
RCP-14	123 - OFFICE	11.75	298	2	47.75	1,213	12.00	305	59.75	1,518	82	180	71	160	769	0.23	0.006	0.09	0.00	0.00	Sterling	LP-12	1, 2	
RCP-15	124 - OFFICE	11.75	298	2	47.75	1,213	12.00	305	59.75	1,518	82	180	71	160	769	0.23	0.006	0.09	0.00	0.00	Sterling	LP-12	1, 2	
RCP-16	125 - OFFICE	11.75	298	2	47.75	1,213	12.00	305	59.75	1,518	82	180	71	160	769	0.23	0.006	0.09	0.00	0.00	Sterling	LP-12	1, 2	
RCP-17	126 - OFFICE	11.75	298	2	47.75	1,213	12.00	305	59.75	1,518	82	180	71	160	769	0.23	0.006	0.09	0.00	0.00	Sterling	LP-12	1, 2	
RCP-18	119 - UTR	11.75	298	2	47.75	1,213	12.00	305	59.75	1,518	82	180	71	160	769	0.23	0.006	0.09	0.00	0.00	Sterling	LP-12	1, 2	
RCP-19	119 - UTR	11.75	298	2	47.75	1,213	12.00	305	59.75	1,518	82	180	71	160	769	0.23	0.006	0.09	0.00	0.00	Sterling	LP-12	1, 2	
RCP-20	122 - FILING	11.75	298	2	47.75	1,213	12.00	305	59.75	1,518	82	180	71	160	769	0.23	0.006	0.09	0.00	0.00	Sterling	LP-12	1, 2	
RCP-21	113 - STAFF HUB	11.75	298	2	143.75	3,651	24.00	610	167.75	4,261	82	180	71	160	2,316	0.68	0.017	0.26	0.10	0.03	Sterling	LP-12	1, 2	
RCP-22	113 - STAFF HUB	11.75	298	2	143.75	3,651	24.00	610	167.75	4,261	82	180	71	160	2,316	0.68	0.017	0.26	0.10	0.03	Sterling	LP-12	1, 2	
RCP-23	202 - MEETING ROOM	23.75	603	4	143.75	3,651	24.00	610	167.75	4,261	82	180	71	160	4,384	1.28	0.032	0.50	0.72	0.24	Sterling	LP-24	1, 2	
RCP-24	202 - MEETING ROOM	23.75	603	4	143.75	3,651	0.00	0	143.75	3,651	82	180	71	160	4,384	1.28	0.032	0.50	0.72	0.24	Sterling	LP-24	1, 2	
RCP-25	202 - MEETING ROOM	23.75	603	4	143.75	3,651	0.00	0	143.75	3,651	82	180	71	160	4,384	1.28	0.032	0.50	0.72	0.24	Sterling	LP-24	1, 2	
RCP-26	207 - WASHROOM	47.75	1,213	8	47.75	1,213	12.00	305	59.75	1,518	82	180	71	160	2,913	0.85	0.021	0.33	0.21	0.07	Sterling	LP-48	1, 2	
RCP-27	208 - WASHROOM	47.75	1,213	8	47.75	1,213	12.00	305	59.75	1,518	82	180	71	160	2,913	0.85	0.021	0.33	0.21	0.07	Sterling	LP-48	1, 2	
RCP-28	209 - ENGINEERING STORAGE	35.75	908	6	143.75	3,651	48.00	1,219	191.75	4,870	82	180	71	160	5,991	1.76	0.043	0.68	2.01	0.67	Sterling	LP-36	1, 2	
RCP-29	210 - STAFF HUB	23.75	603	4	191.75	4,870	48.00	1,219	239.75	6,090	82	180	71	160	5,848	1.71	0.042	0.67	1.70	0.57	Sterling	LP-24	1, 2	
RCP-30	210 - STAFF HUB	23.75	603	4	191.75	4,870	48.00	1,219	239.75	6,090	82	180	71	160	5,848	1.71	0.042	0.67	1.70	0.57	Sterling	LP-24	1, 2	
RCP-31	210 - STAFF HUB	23.75	603	4	95.75	2,432	24.00	610	119.75	3,042	82	180	71	160	2,920	0.86	0.021	0.33	0.21	0.07	Sterling	LP-24	1, 2	
RCP-32	213 - LAND STORAGE	23.75	603	4	71.75	1,822	96.00	2,438	167.75	4,261	82	180	71	160	2,188	0.64	0.016	0.25	0.09	0.03	Sterling	LP-24	1, 2	
RCP-33	213 - LAND STORAGE	23.75	603	4	71.75	1,822	96.00	2,438	167.75	4,261	82	180	71	160	2,188	0.64	0.016	0.25	0.09	0.03	Sterling	LP-24	1, 2	
RCP-34	215 - JANITOR	23.75	603	4	47.75	1,213	12.00	305	59.75	1,518	82	180	71	160	1,456	0.43	0.010	0.17	0.03	0.01	Sterling	LP-24	1, 2	
RCP-35	216 - IT ROOM	11.75	298	2	47.75	1,213	12.00	305	59.75	1,518	82	180	71	160	769	0.23	0.006	0.09	0.00	0.00	Sterling	LP-12	1, 2	
RCP-36	221 - PLANNING & DEVELOPMENT DIR.	44.00	1,118	6	95.75	2,432	12.00	305	107.75	2,737	82	180	71	160	3,991	1.17	0.029	0.46	0.59	0.20	Sterling	LP-36	1, 2	
RCP-37	222 - LAND ADMINISTRATION	44.00	1,118	8	71.75	1,822	24.00	610	95.75	2,432	82	180	71	160	4,377	1.28	0.031	0.50	0.71	0.24	Sterling	LP-48	1, 2	
RCP-38	223 - LAND ADMINISTRATION	44.00	1,118	8	71.75	1,822	24.00	610	95.75	2,432	82	180	71	160	4,377	1.28	0.031	0.50	0.71	0.24	Sterling	LP-48	1, 2	
RCP-39	224 - ENG. & CAP. PLANNING MGR.	44.00	1,118	8	71.75	1,822	24.00	610	95.75	2,432	82	180	71	160	4,377	1.28	0.031	0.50	0.71	0.24	Sterling	LP-48	1, 2	
RCP-40	225 - ENG. & CAP. PLANNING DIR.	23.75	603	4	95.75	2,432	0.00	0	95.75	2,432	82	180	71	160	2,920	0.86	0.021	0.33	0.21	0.07	Sterling	LP-24	1, 2	
RCP-41	225 - ENG. & CAP. PLANNING DIR.	11.75	298	2	119.75	3,042	0.00	0	119.75	3,042	82	180	71	160	1,930	0.57	0.014	0.22	0.06	0.02	Sterling	LP-12	1, 2	
RCP-42	225 - ENG. & CAP. PLANNING DIR.	23.75	603	4	47.75	1,213	12.00	305	59.75	1,518	82	180	71	160	1,456	0.43	0.010	0.17	0.03	0.01	Sterling	LP-24	1, 2	
RCP-43	225 - ENG. & CAP. PLANNING DIR.	23.75	603	4	95.75	2,432	12.00	305	107.75	2,737	82	180	71	160	2,920	0.86	0.021	0.33	0.21	0.07	Sterling	LP-24	1, 2	
RCP-44	230 - WORKSTATIONS	23.75	603	4	167.75	4,261	12.00	305	179.75	4,586	82	180	71	160	5,116	1.50	0.037	0.58	1.14	0.38	Sterling	LP-24	1, 2	
RCP-45	230 - WORKSTATIONS	23.75	603	4	191.75	4,870	12.00	305	203.75	5,175	82	180	71	160	5,848	1.71	0.042	0.67	1.70	0.57	Sterling	LP-24	1, 2	
RCP-46	230 - WORKSTATIONS	11.75	298	2	119.75	3,042	12.00	305	131.75	3,346	82	180	71	160	1,930	0.57	0.014	0.22	0.06	0.02	Sterling	LP-12	1, 2	
RCP-47	230 - WORKSTATIONS	11.75	298	2	119.75	3,042	12.00	305	131.75	3,346	82	180	71	160	1,930	0.57	0.014	0.22	0.06	0.02	Sterling	LP-12	1, 2	
RCP-47																								

PLUMBING FIXTURE SCHEDULE									
TAG	DESCRIPTION	MANUFACTURER	MODEL	TRAP	CONNECTIONS			REMARKS	
					CW	HW	WASTE		
WC-1	WATER CLOSET (WALL MOUNT) SECOND FLOOR	AMERICAN STANDARD	AFWALL MILLENNIUM FLOWISE ELONGATED TOILET, VITREOUS CHINA WITH ANTIMICROBIAL SURFACE, ELONGATED BOWL, WHITE FINISH, WALL HUNG	INTERNAL	25mm (1")	N/A	76mm (3")	AMERICAN STANDARD AFWALL MILLENNIUM FLOWISE ELONGATED #3351101.020 HET TOILET, VITREOUS CHINA WITH EVERCLEAN ANTIMICROBIAL SURFACE WHICH INHIBITS THE GROWTH OF STAIN AND ODOR CAUSING BACTERIA MOLD AND MILDEW, ELONGATED BOWL, WHITE FINISH, WALL HUNG, SIPHON JET FLUSH ACTION, OPERATES IN THE RANGE OF 4.2 L TO 6 L (1.1 US GAL TO 1.6 US GAL) PER FLUSH, CONDENSATE CHANNEL, 305 MM X 254 MM (12" X 10") WATER SURFACE, SIPHON JET FLUSH ACTION, CONDENSATE CHANNEL, ELONGATED BOWL, 54 MM (2-1/8") FULLY GLAZED INTERNAL TRAPWAY, TOILET SEAT NOT INCLUDED, 38 MM (1-1/2") DIA. TOP SPUD. CENTOCO #820STS.001 TOILET SEAT, EXTRA HEAVY DUTY, FOR ELONGATED BOWL, OPEN FRONT, SOLID PLASTIC, WITH COVER, STAINLESS STEEL CHECK HINGES, METAL FLAT WASHERS STAINLESS STEEL POSTS AND NUTS. SLOAN CROWN #CROWN 111-1.6, EXPOSED MANUAL FLUSHOMETER FOR TOP SPUD TOILET, 6 L (1.6 US GAL) FACTORY SET FLOW, FIXED VOLUME PISTON WITH FILTERED O-RING BYPASS, NON-HOLD OPEN FEATURE, A,D,A OSCILLATING HANDLE, V.P. SMOOTH DESIGN STOP CAP ON BAK-CHEK ANGLE STOP (SCREWDRIVER OPERATED), FLUSH TUBE FOR 292 MM (11-1/2") ROUGH-IN, HIGH PRESSURE VACUUM BREAKER. SLOAN TP TRAP PRIMER FOR TOP SPUD TOILET FLUSH VALVE ACTIVATED DURING FLUSH VALVE OPERATION, PROVIDES A SMALL AMOUNT OF WATER TO FLOOR DRAIN, ONLY ONE NEEDED PER BATHROOM. SLOAN YO SEAT BUMPER ON WATTS #SCA-101-D-M11 DOUBLE HORIZONTAL ADJUSTABLE TOILET CARRIER, MOUNTED ON CONCRETE FLOOR, ALL EPOXY COATED CAST IRON FITTING, ADJUSTABLE ABS SLIDE NIPPLE WITH INTEGRAL TEST CAP AND NEOPRENE BOWL GASKET, WASTED PLATED HARDWARE, CHROME CAP NUTS, TILING FRAME, 102 MM (4") NO HUB WASTE, 51 MM (2") NO HUB VENT, 158.8 KG (350 LBS) STATIC LOAD. 406 MM (16") FINISHED METAL STUD WALL TO FINISHED METAL STUD WALL.	
WC-2	WATER CLOSET (FLOOR MOUNT MACERATING)	LIBERTY PUMPS	ASCENT II - ESW	INTERNAL	25mm (1/2")	N/A	76mm (3")	ASCENT II MACERATING TOILET SYSTEM, 1.28 GPF HIGH EFFICIENCY TOILET FOR A MACERATING SYSTEM. PUMP UP TO 25' VERTICALLY AND 150 HORIZONTALLY THROUGH A 1" DISCHARGE PIPE. BUILT-IN ALARM AND LED LIGHTS WITH EXTERNAL TOUCHPAD FOR ALARM SILENCE AND MANUAL OVERRIDE. ELONGATED BOWL WITH INSULATED TANK AND SEAT.	
LAV-1	LAVATORY	AMERICAN STANDARD	MURRO WITH ANTIMICROBIAL BASIN, 3 HOLES, VITREOUS CHINA, WHITE FINISH, CARRIER WITH CONCEALED ARMS, REAR OVERFLOW, RECESSED SELF-DRAINING FAUCET LEDGE.	32mm (1 1/4") WITH CLEANOUT PLUG	13mm (1/2")	13mm (1/2")	32mm (1 1/4")	AMERICAN STANDARD MURRO WITH EVERCLEAN #0954.004EC.020 BASIN, 3 HOLES, 4" (102 MM) CENTER, 540 MM X 520 MM X 165 MM (21-1/4" X 20-1/2" X 6-1/2") HIGH, VITREOUS CHINA, WHITE FINISH, FOR CARRIER WITH CONCEALED ARMS, REAR OVERFLOW, RECESSED SELF-DRAINING FAUCET LEDGE. AMERICAN STANDARD COLONY PRO #075.200.002 TWO HANDLES FAUCET, POLISHED CHROME FINISH, 1/4 TURN WASHERLESS CERAMIC DISC VALVE CARTRIDGE, 4.5 L/MIN (1.2 GAL/MIN) AERATOR OUTLET, METAL SPOUT, 114 MM (4-1/2") PROJECTION REACH, METAL LEVER HANDLES, METAL POP-UP DRAIN. LAWLER #570-86820. POINT OF USE THERMOSTATIC WATER MIXING VALVE, NICKEL PLATED BRONZE BODY, TEMPERATURE ADJUSTING SPINDLE, 10 MM (3/8") INLETS AND OUTLET FNPT CONNECTIONS, INTEGRAL CHECKS, OFFER TEMPERATURE RANGE BETWEEN 35 °C (95 °F) AND 46 °C (114.8 °F). SET VALVE TEMPERATURE AT 46 °C (114.8 °F). PROVIDE FAUCET SUPPLIES, CHROME PLATED FINISH ALL METAL CONSTRUCTION, LIGHT DUTY RESIDENTIAL ANGLE STOPS, ESCUTCHEONS AND FLEXIBLE METAL RISERS, LOW LEAD. MCGUIRE #8872C P-TRAP, HEAVY CAST BRASS ADJUSTABLE BODY, WITH SLIP NUT, 32 MM (1-1/4") SIZE, SHALLOW WALL FLANGE AND SEAMLESS TUBULAR WALL BEND. MCGUIRE PROWRAP #PW2000 SANITARY COVERING VANDAL-RESISTANT, FLEXIBLE SEAMLESS MOULDED CLOSED-CELL PVC RESIN, FORMULATED WITH ANTI-MICROBIAL ADDITIVE TO LIMIT THE GROWTH OF FUNGUS AND BACTERIA, TO EXPOSED PIPING (TO PROTECT AGAINST HEAT/CONTUSIONS) AS PER LOCAL CODES. WATTS #CA-421 FIXTURE CARRIER, UNIVERSAL STEEL HANGAR SUPPORT PLATES WITH INTEGRAL MOUNTING BRACKETS, HEAVY GAUGE EPOXY COATED STEEL UPRIGHTS WITH WELDED FEET. FOR ONE UNIT: 102 MM (4") FOR TWO TO SIX UNITS IN A ROW: 152 MM (6") FINISHED METAL STUD WALL TO BACK OF PIPE SPACE.	
MS-1	JANITOR SINK (MOP SINK)	FIAT	MSB2424100 SQUARE SERVICE / MOP SINK	YES	13mm (1/2")	13mm (1/2")	76mm (3")	MSB2424100 SQUARE SERVICE / MOP SINK, 610 MM (24") WIDE X 610 MM (24") LONG X 254 MM (10") HIGH DEEP, FLOOR MOUNTED, MOLDED STONE, WHITE, PLAIN CURBS, STAINLESS STEEL DRAIN WITH STRAINER, 3" (76 MM) OUTLET.	
SK-1	SINK	FRANKE	LBD6408-1/1 DOUBLE BOWL COUNTERTOP MOUNT SINK, 1 HOLE, 794 MM (31-1/4") WIDE X 521 MM (20-1/2") LONG X 203 MM (8") HIGH DEEP, SPILLWAY, COUNTER MOUNTED, BACKLEDGE	38mm (1 1/2") P-TRAP, CAST BRASS WITH CLEANOUT	13mm (1/2")	13mm (1/2")	38mm (1 1/2")	FRANKE COMMERCIAL #LBD6408-1/1 DOUBLE BOWL COUNTERTOP MOUNT SINK, 1 HOLE, 794 MM (31-1/4") WIDE X 521 MM (20-1/2") LONG X 203 MM (8") HIGH DEEP, SPILLWAY, COUNTER MOUNTED, BACKLEDGE, GRADE 18-10 20 GA. (0.9 MM) TYPE 302 STAINLESS STEEL, SELF-RIMMING, SATIN FINISH RIM AND BOWLS, MOUNTING KIT PROVIDED, FULLY UNDERCOATED TO REDUCE CONDENSATION AND RESONANCE, FACTORY APPLIED RIM SEAL, 3-1/2" (89 MM) CRUMB CUP WASTE ASSEMBLY WITH 1-1/2" (38 MM) TAILPIECE. CHICAGO FAUCETS #430-ABCP SINGLE HANDLE FAUCET, CHROME PLATED FINISH, CENTER HOLE ONLY, ECASST CONSTRUCTION LEAD FREE (EQUAL OR LESS THAN 0.25%) ECASST BRASS CONSTRUCTION, VOLUME CONTROL AND HOT WATER LIMIT STOP CARTRIDGE, 5.7 LPM (1.5 GPM) PRESSURE COMPENSATING LAMINAR FLOW (NON-AERATING) OUTLET, 241 MM (9-1/2") PROJECTION RIGID CAST BRASS SPOUT, SINGLE METAL LEVER HANDLE. MCGUIRE #LFHST08LKS8 FAUCET SUPPLIES, CHROME PLATED FINISH POLISHED BRASS, HEAVY PATTERN SUPPLY STOP VALVE WITH TURN BRASS STEM, 13 MM (1/2") I.D. INLET AND I.D. OUTLET, V.P. LOOSE KEYS, ECASST CONSTRUCTION LEAD FREE (EQUAL OR LESS THAN 0.25%). MCGUIRE #8912CB P-TRAP, HEAVY CAST BRASS ADJUSTABLE BODY, WITH SLIP NUT, 38 MM (1-1/2") SIZE, BOX FLANGE AND SEAMLESS TUBULAR WALL BEND.	
EP-01	SEWAGE PUMP	LIBERTY PUMPS	P382LE15SD-2/A2W	N/A	N/A	N/A	50mm (2")	SIMPLEX SEWAGE PUMP PACKAGE COMPLETE WITH 155 L (41 GAL) POLYETHYLENE TANK MAXIMUM 610 mm (24") HIGH, 1/2 HP SEWAGE PUMP, HIGH LEVEL ALARM.	
FD-1	FLOOR DRAIN	WATTS	FD-320-Y-1-7	51mm (2") P-TRAP	N/A	N/A	51mm (2")	WATTS #FD-320-Y-1-7 FLOOR DRAIN - EPOXY COATED CAST IRON BODY, TRAP PRIMER CONNECTION WITH PLUG, ANCHOR FLANGE AND WEEPHOLES, NO HUB OUTLET WATTS -1 -7-7/8" (200 MM) DIAMETER NICKEL BRONZE VENEERED, HEEL-PROOF ROUND GRATE.	
EW-1	EMERGENCY EYE/FACE WASH	HAWS	MODEL #7360B EMERGENCY EYE/FACE WASH,WALL HUNG, STAINLESS STEEL RECEPTOR, DUAL AERATION SPRAY HEADS WITH FLIP-TOP DUST COVERS, MIN. 19 LPM (5.0 GPM) FLOW, VOLUME REGULATOR, 100 MICRON IN-LINE FILTER, IN-LINE BRASS STRAINER,	38mm (1 1/2")	13mm (1/2")	13mm (1/2")	38mm (1 1/2")	C/W: S.S. PUSH HANDLE BALL VALVE WITH S.S. TRIM, ALL FACTORY ASSEMBLED, WALL HANGER AND EMERGENCY SIGN.HAWS #9201EW SUPPLY FIXTURE, THERMOSTATIC TEMPERATURE CONTROL VALVE, ALL BRASS AND STAINLESS STEEL DESIGN, WITH LIQUID FILLED MOTOR, CHECK STOPS, SAFETY SHUT-OFF SHOULD COLD WATER SUPPLY FAIL, HOT WATER FAILURE WILL ALLOW COLD WATER FLOW THROUGH BOTH THE FIXED AND VARIABLE BY-PASS, OUTLET TEMPERATURE GAUGE, 1/2" (13mm) SUPPLIES. TEMPERED WATER FACTORY SET AT 80° F (26° C) [MODEL #9201EW PROVIDES UP TO 26.6 LPM (7 GPM) AT 30PSI (246KPA) DROP THROUGH VALVE].	
MV-1	MIXING VALVE	SYMMONS	MODEL #5-120-CK	N/A	13mm (1/2")	13mm (1/2")	N/A	SYMMONS THERMIXER #5-120-CK THERMOSTATIC MIXING VALVE C/W POSITIVE CONTROL, HEAVY DUTY ALL CAST BRASS BODY AND STRAINLESS STEEL INTERNAL PARTS, LOCKABLE TEMP. SETTING, WITH IN-LINE STRAINERS CHECKS INSTALLED IN H & CW SUPPLIES TO PROVIDE TEMPERED WATER TO HOT SIDE OF FAUCET. CAPACITY 6 GPM (23 LPM) SIZED AT 20 PSI (69 KPA) DROP THRU VALVE. TEMPERATURE RANGE 85°F (29.5°C) TO 160°F (71°C) SET VALVE AT 120°F (48.9°C). PROVIDE TEE ADAPTORS, AND FLEX. COPPER TUBING TO SUIT.	
HR-1	HOSE REEL (GARAGE)	REELCRAFT	MODEL # EP3705-39-16AL20FIUR,HEAVY DUTY CARBON STEEL POWERED BY 115VACXP MOTOR	N/A	51mm (2")	N/A	N/A	C/W: 1/2" (13mm) PICH CHAIN & SPROCKETS INCLUDING AN IDLER. THE REEL WILL HAVE A CHAIN GUARD, CAST ALUMINIUM FLUID PATH WITH A STRAIGHT 2" (51mm) MALE VICTAULIC FITTING FOR THE INLET AND 2" (51mm) FEMALE NPT GOOSENECK (OUTLET). MINIMUM 225 FEET OF GOODYEAR MODEL#HORIZON-200 1 1/2" (38mm) ID WATER HOSE.MAX. WP-200 PSI.WEIGHT 0.86 LB/FT (1.28 KG/M). TUBE: VESIGARD R SYNTHETIC RUBBER, RMA CLASS C, REINFORCEMENT: SPIRAL SYNTHETIC YARN, COVER BLACK, TEMPERATURE : -40°F TO 130°F (-40°C TO 89°C)	

PUMP SCHEDULE												
TAG	SERVICE	LOCATION	MANUFACTURER	MODEL	FLOW RATE		HEAD		MOTOR			NOTES
					L/s	gpm	kPa	ftWC	Kw	HP	RPM	
P-1	DOMESTIC WATER PUMP	MAINFLOOR MECH. ROOM	GRUNDFOS	CR 3-6 H-GA-A-E-HQOE	0.80	12.6	458.2	153.3	0.75	1.00	3,450	1, 3, 4
P-2	DOMESTIC WATER PUMP	MAINFLOOR MECH. ROOM	GRUNDFOS	CR 3-6 H-GA-A-E-HQOE	0.80	12.6	458.2	153.3	0.75	1.00	3,450	1, 3, 4
P-3	MAIN FLOOR HEATING	2ND FLOOR MECH. ROOM	GRUNDFOS	MAGNA3 32-120	1.09	17.2	22.1	7.4	0.19	0.25	2,277	1,2,4
P-4	MAIN FLOOR HEATING	2ND FLOOR MECH. ROOM	GRUNDFOS	MAGNA3 32-120	1.09	17.2	22.1	7.4	0.19	0.25	2,277	1,2,4
P-5	2nd FLOOR HEATING	2ND FLOOR MECH. ROOM	GRUNDFOS	MAGNA3 32-120	1.03	16.3	46.0	15.4	0.19	0.25	3,069	1,2,4
P-6	2nd FLOOR HEATING	2ND FLOOR MECH. ROOM	GRUNDFOS	MAGNA3 32-120	1.03	16.3	46.0	15.4	0.19	0.25	3,069	1,2,4
P-7	GARAGE/STORAGE HEATING	2ND FLOOR MECH. ROOM	GRUNDFOS	MAGNA3 40-80	2.56	40.6	29.9	10.0	0.29	0.38	2,977	1,2,4
P-8	GARAGE/STORAGE HEATING	2ND FLOOR MECH. ROOM	GRUNDFOS	MAGNA3 40-80	2.56	40.6	29.9	10.0	0.29	0.38	2,977	1,2,4
P-9	BOILER PUMP	2ND FLOOR MECH. ROOM	GRUNDFOS	MAGNA3 40-120	5.68	90.0	9.0	3.0	0.45	0.60	2,596	1,2,4
P-10	BOILER PUMP	2ND FLOOR MECH. ROOM	GRUNDFOS	MAGNA3 40-120	5.68	90.0	9.0	3.0	0.45	0.60	2,596	1,2,4
P-11	GLYCOL FILL STATION PUMP	2ND FLOOR MECH. ROOM	AXIOM	SF-100	0.06	1.0	345.0	115.4	-	-	-	6
P-12	FUEL OIL TRANSFER PUMP	2ND FLOOR MECH. ROOM	VIKING PUMPS	SG-04	0.23 - 1.89 LPM	0.06-0.50	34 Bar	500 psi	-	0.50	-	-
P-13	FUEL OIL TRANSFER PUMP	FUEL TANK	VIKING PUMPS	SG-05	2.6 - 42.4 LPM	0.7 - 11.2	34 Bar	500 psi	-	0.50	-	-
P-14	FUEL OIL TRANSFER PUMP	FUEL TANK	VIKING PUMPS	SG-05	2.6 - 42.4 LPM	0.7 - 11.2	34 Bar	500 psi	-	0.50	-	-
P-15	SUMP PUMP	GARAGE	GRUNDFOS	UNILIFT CC 5 - A1	1.26	20.0	17.9	6.0			115V/1/60 2.1A	5
P-16	SUMP PUMP	GARAGE	GRUNDFOS	UNILIFT CC 5 - A1	1.26	20.0	17.9	6.0			115V/1/60 2.1A	5
P-17	SUMP PUMP	GARAGE	GRUNDFOS	UNILIFT CC 5 - A1	1.26	20.0	17.9	6.0			115V/1/60 2.1A	5
P-18	SUMP PUMP	GARAGE	GRUNDFOS	UNILIFT CC 5 - A1	1.26	20.0	17.9	6.0			115V/1/60 2.1A	5
P-19	SUMP PUMP	GARAGE	GRUNDFOS	UNILIFT CC 5 - A1	1.26	20.0	17.9	6.0			115V/1/60 2.1A	5
P-20	SUMP PUMP	GARAGE	GRUNDFOS	UNILIFT CC 5 - A1	1.26	20.0	17.9	6.0			115V/1/60 2.1A	5
P-21	PRE-HEAT COILS	2ND FLOOR MECH. ROOM	GRUNDFOS	MAGNA3 32-60	0.98	15.6	9.0	3.0	0.11	0.14	1,605	1,2,4
P-22	PRE-HEAT COILS	2ND FLOOR MECH. ROOM	GRUNDFOS	MAGNA3 32-60	0.98	15.6	9.0	3.0	0.11	0.14	1,605	1,2,4
P-23	PRE-HEAT COILS	2ND FLOOR MECH. ROOM	GRUNDFOS	MAGNA3 32-60	0.98	15.6	9.0	3.0	0.11	0.14	1,605	1,2,4
P-24	PRE-HEAT COILS	2ND FLOOR MECH. ROOM	GRUNDFOS	MAGNA3 32-60	0.98	15.6	9.0	3.0	0.11	0.14	1,605	1,2,4
NOTES: 1. C/W VARIABLE SPEED DRIVE, REFER TO SPECIFICATION 2. PUMPS ARE SIZED FOR 50% PROPYLENE GLYCOL 3. ALL BRONZE AND STAINLESS STEEL CONSTRUCTION FOR POTABLE WATER APPLICATION C/W TIMER AND AQUASTAT. 4. COORDINATE VOLTAGES WITH ELECTRICAL MOTOR/EQUIPMENT SCHEDULE ON DRAWING E603. 5. COORDINATE ELECTRICAL CONNECTION WITH ELECTRICAL CONTRACTOR 6. PACKAGED GLYCOL FILL SYSTEM WITH PLUG IN CONNECTION. REFER TO ELECTRICAL DRAWINGS FOR LOCATION.												

FAN SCHEDULE														
TAG	MANUFACTURER	TYPE	MODEL	RPM	CLASS	AIR FLOW RATE		E.S.P.		MOTOR		SONES	ACCESSORIES	NOTES
						(L/s)	(CFM)	(Pa)	(in.WC)	(kW)	(HP)			
EF-01	GREENHECK	I	SQ-20-07-0700-VG	1,139	-	3,153	6,680	125	0.50	1.492	2.00	1,139	15.8	IG, SH 1
EF-02	GREENHECK	I	AX-31-160-0419	3,500	-	576	1,220	374	1.50	0.560	0.75	3,500	25.0	SH -
SF-01	GREENHECK	I	AX-47-190-0619	3,500	-	2,832	6,000	498	2.00	3.730	5.00	3,500	44.0	SH -
FAN TYPES:														
	C	CENTRIFUGAL		R	ROOF	I	IN-LINE	CE	CEILING EXHAUST		CU	CENTRIFUGAL UP BLAST		
	TA	TUBE AXIAL		W	WALL	MF	MIXED FLC	P	PROPELLER		CF	CEILING FAN		
ABBREVIATIONS:														
	BG	BELT GUARD				MT	MANUAL RESET TIMER			SD	SCROLL DRAIN			
	AS	ADJUSTABLE SHEAVES				NSW	NON-SPARKING WHEEL			FC	FACTORY CURB			
	SC	SOLID STATE SPEED CONTROL				SH	SPRING HANGERS			BS	BIRDSCREEN			
	IG	INLET GRILLE				VP	VIBRATION PADS			MC	MOUNTING COLLAR			
	BD	BACKDRAFT DAMPER				SM	SPRING MOUNT			WH	WEATHERPROOF HOUSING			
	F	FILTER				WC	WALL CAP			RC	ROOF CAP			
	E	EPOXY COATING				DS	DISCONNECT SWITCH			AD	ACCESS DOOR			
	IH	INLET HOOD				MDW	MOTION DETECTOR, WALL MTD.			GN	GOOSENECK			
NOTES:														
1. C/W ELECTRONICALLY COMMUTATED (EC) VARI-GREEN (VG) MOTOR.														

FAN POWERED TERMINAL UNIT SCHEDULE																
TAG	ACCEPTABLE PRODUCT	INLET SIZE (mm)	AIRFLOW (L/s)	MAX. S.P. LOSS (Pa)	MAX. NO LEVEL AT MAX. AIRFLOW	HOT WATER REHEAT COIL										NOTES
						AIR SIDE		FLOW RATE (L/s)	WATER SIDE		BRANCH PIPE SIZE (mm)	HEATING CAPACITY (kW)	NUMBER OF ROWS			
ENTERING TEMP. (°C)	LEAVING TEMP. (°C)	MAX. P.D. (kPa)	ENTERING TEMP. (°C)	LEAVING TEMP. (°C)												
FPTU-1	PRICE FDCLP2-10	150	250	45.0	55	15.0	23.0	0.030	0.30	50.0	40.0	13	2.25	1	1, 2, 4	
FPTU-2	PRICE FDCLP2-30	205	504	52.0	55	15.0	23.0	0.060	0.75	50.0	40.0	13	3.50	1	1, 3, 5	
FPTU-3	PRICE FDCLP2-30	205	492	52.0	55	15.0	23.0	0.060	0.75	50.0	40.0	13	3.50	1	1, 3, 4	
FPTU-4	PRICE FDCLP2-30	205	490	52.0	55	15.0	23.0	0.060	0.75	50.0	40.0	13	3.50	1	1, 3, 5	
FPTU-5	PRICE FDCLP2-10	180	293	62.0	55	15.0	23.0	0.030	0.30	50.0	40.0	13	2.40	1	1, 2, 4	
FPTU-6	PRICE FDCLP2-10	150	232	15.0	55	15.0	23.0	0.030	0.30	50.0	40.0	13	1.88	1	1, 2, 4	
FPTU-7	PRICE FDCLP2-10	180	330	75.0	55	15.0	23.0	0.030	0.30	50.0	40.0	13	2.43	1	1, 2, 4	
FPTU-8	PRICE FDCLP2-10	150	240	15.0	55	15.0	23.0	0.030	0.30	50.0	40.0	13	1.88	1	1, 2, 4	
FPTU-9	PRICE FDCLP2-10	180	227	75.0	55	15.0	23.0	0.030	0.30	50.0	40.0	13	2.43	1	1, 2, 4	

NOTES:
1. UNITS COMPLETE WITH ECM MOTORS.
2. UNIT COMPLETE WITH 1-ROW MULTI-CIRCUIT STANDARD CAPACITY HEATING COIL
3. UNIT COMPLETE WITH 1-ROW MULTI-CIRCUIT HIGH CAPACITY HEATING COIL
4. LEFT-HAND UNIT
5. RIGHT-HAND UNIT

FUEL TANK SCHEDULE																
TAG	ENERGY TYPE	MANUFACTURER	HEATING PERFORMANCE				PHYSICAL CHARACTERISTICS					NOTES				
			LOCATION	QTY	MODEL NUMBER	TANK VOLUME L	IMP GAL	DRY WEIGHT (lbs)	WIDTH (in)	LENGTH (in)	HEIGHT (in)					
OUTDOOR TANK	FUEL OIL	WESTSTEEL	OUTDOORS, NORTH-EAST SIDE OF BUILDING	1	HPV50000	49,376	10,861	6,818	15,000	2,995	117.0	6,998	245.0	2,995	117.0	PACKAGE FEATURES 01. FuelVault Model HPV-65000 02. Heat Mount Ladder 03. Containment Inspection Port - 2" 04. Gauge Stick 120 h (10ft) 05. Spillbox 24" IDL, Cap comes with 2" Dip Port, 4" Spare 06. Normal Vent 3" 07. Fitting Spare - 2" 08. Skid Heavy Duty with Bolts with Extension 09. Fitting Spare - 4" 10. Nameplate ULCL S601 Contained 11. RTF Fill 3" Camlock with Overfill Protection 12. Lockable cap and spill box
DAY TANK	FUEL OIL	WESTSTEEL	SECOND FLOOR MECHANICAL ROOM	1	FOSC690	693	152	167	368	585	23.0	1,219	48.0	1,195	47.0	Durable all steel construction in a vertical oval design. Heavy gauge tank shell and die formed ends. All exterior surfaces prepared with a chemical wash and finished with a rugged and durable weather-resistant white powder coat. Heavy duty (lifting lugs) and end handles for easy installation and tank placement. Leg support bracket size is 1½" NPT (quantity of 4) w/Vacuum Mounting STANDARD FEATURES 01. 2" emergency vent inspection with lockable vent cap 02. 2" NPT spare fitting for pump, etc. 03. 2" NPT gauge fitting 04. 2" NPT spare or vent fitting 05. 2" NPT fill fitting 06. 1" NPT outlet or drain fitting

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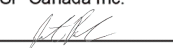
The general contractor and/or project manager shall verify dimensions and data noted herein with conditions on the site and is held responsible for reporting any discrepancy to the architect for adjustment. Do not scale the drawings.

CONSULTANTS



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CANADA R2T 1B8
PHONE 204-471-8800
WWW.WSPGROUP.COM

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PERMIT TO PRACTICE
WSP Canada Inc.
Signature: 
Date 2022-05-12
PERMIT NUMBER: P407
NTNU Association of Professional
Engineers and Geoscientists

PERMIT / STAMP		
14	12/05/022	ISSUED FOR TENDER
13	29/04/022	ISSUED FOR PRE-TENDER CHECK SET
12	26/03/021	ISSUED FOR CLIENT REVIEW (100%)
11	24/02/021	ISSUED FOR REVIEW
10	17/02/021	ISSUED FOR CLIENT REVIEW (100%)
9	12/02/021	ISSUED FOR COORDINATION
8	05/02/021	ISSUED FOR COORDINATION
7	25/01/021	ISSUED FOR CLASS A ESTIMATE
6	15/01/021	ISSUED FOR COORDINATION
5	12/06/020	ISSUED FOR 95% REVIEW
4	03/11/020	ISSUED FOR OWNER REVIEW
3	03/05/020	ISSUED FOR REVIEW
2	12/20/019	ISSUED FOR REVIEW
1	11/29/019	ISSUED FOR 50% REVIEW
REV	DATE	DESCRIPTION

CLIENT

CITY OF IQALUIT
OPERATIONS CENTRE

1549 FEDERAL ROAD
IQALUIT, NUNAVUT
X0A 0H0

CLIENT PROJECT NO. 820837

TITLE:
ELECTRICAL LEGEND
AND DRAWING LIST















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










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









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



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

LEGEND








POWER	
	15A 120V DUPLEX RECEPTACLE
	20A 120V DUPLEX RECEPTACLE
	15A 120V DUPLEX RECEPTACLE - GFCI
	15A 120V QUAD RECEPTACLE
	20A 120V SPLIT-WIRED DUPLEX RECEPTACLE
	RECEPTACLE AS NOTED
	15A 120V DUPLEX RECEPTACLE - FLOOR
	15A 120V QUAD RECEPTACLE - FLOOR
	120V CONNECTION TO DISHWASHER
	120V CONNECTION TO OVERHEAD DOOR. PROVIDE DISCONNECT SWITCH AND ALL NECESSARY ROUGH-IN FOR PUSH BUTTON.
	120V CONNECTION TO AUTOMATIC DOOR OPERATOR. PROVIDE ALL NECESSARY ROUGH-IN FOR PUSHBUTTONS, PANEL AS NOTED
	DISCONNECT SWITCH
	MOTOR WITH DISCONNECT SWITCH
	PUSHBUTTON 'Y' DENOTES PUSHBUTTON FOR AUTOMATIC DOOR OPERATOR










LIGHTING	
	LUMINAIRE - TROFFER - CEILING MOUNT
	LUMINAIRE - WALL MOUNT
	LUMINAIRE - POINT SOURCE - CEILING
	LUMINAIRE POINT SOURCE - WALL MOUNT
	OCCUPANCY SENSOR PASSIVE DUAL TECHNOLOGY WITH DIMMING - CEILING MOUNTED
	OCCUPANCY SENSOR PASSIVE DUAL TECHNOLOGY - CEILING MOUNTED
	OCCUPANCY SENSOR PASSIVE DUAL TECHNOLOGY - WALL MOUNTED
	SPST SWITCH
	3-WAY SWITCH
	DIMMER SWITCH - WALL MOUNTED
	SWITCH BANK SWITCH CONTROL FOR SPECIFIC GROUP OF FIXTURES

FIRE ALARM	
	FIRE ALARM - SMOKE DETECTOR
	FIRE ALARM - HEAT DETECTOR
	FIRE ALARM - MULTI-SENSOR (SMOKE AND HEAT)
	FIRE ALARM - MANUAL PULLSTATION
	CARBON MONOXIDE DETECTOR
	FIRE ALARM PANEL
	FIRE ALARM - REMOTE ANNUNCIATOR PANEL
	FIRE ALARM - HORN-STROBE
	CO/NO2 DETECTOR
	FIRE ALARM SPRINKLER CONNECTION F = FLOW T = TAMPER P = PRESSURE

LIFE SAFETY	
	EMERGENCY LIGHTING - DUAL HEAD REMOTE
	EMERGENCY LIGHTING - BATTERY UNIT WITH TWO LIGHTING HEADS
	EXIT LIGHT - ARROW INDICATES DIRECTION OF EGRESS
	EXIT LIGHT - WALL MOUNT - ARROW INDICATES DIRECTION OF EGRESS

TELECOMMUNICATIONS	
	VOICE/DATA OUTLET - WALL MOUNT - 2x VOICE, 2x DATA U.N.O.
	DATA OUTLET - FLOOR - 2x VOICE, 2x DATA
	CAT6 DATA CABLING IN 27mm DIA EMT CONDUIT
	DATA OUTLET - WAP

ACCESS CONTROL AND SECURITY	
	ACCESS CONTROL PULL BOX - 203mm x 203mm x 125mm
	ACCESS CONTROL DOOR CONTACT
	ELECTRIC STRIKE
	REQUEST TO EXIT SENSOR
	ACCESS CONTROL PANEL
	ACCESS CONTROL CARD READER
	MAGNETIC DOOR LOCK

CCTV	
	CCTV CAMERA - WALL OR CEILING MOUNTED AS REQUIRED
INTRUSION ALARM	
	INTRUSION ALARM DOOR CONTACT
	INTRUSION ALARM GLASS BREAK DETECTOR
	INTRUSION ALARM KEYPAD
	INTRUSION ALARM MOTION SENSOR
	INTRUSION ALARM SIREN
	INTRUSION ALARM ALARM PANEL
	INTRUSION ALARM EXPANDER MODULE
MECHANICAL	
	THERMOSTAT LOCATION - CONTRACTOR TO PROVIDE CONDUIT AND WALL BOX C/W PULL STRING

ABBREVIATIONS

TV-OUTLET DESIGNATED FOR A TELEVISION. REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHT.

MW-OUTLET DESIGNATED FOR A MICROWAVE. REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHT.

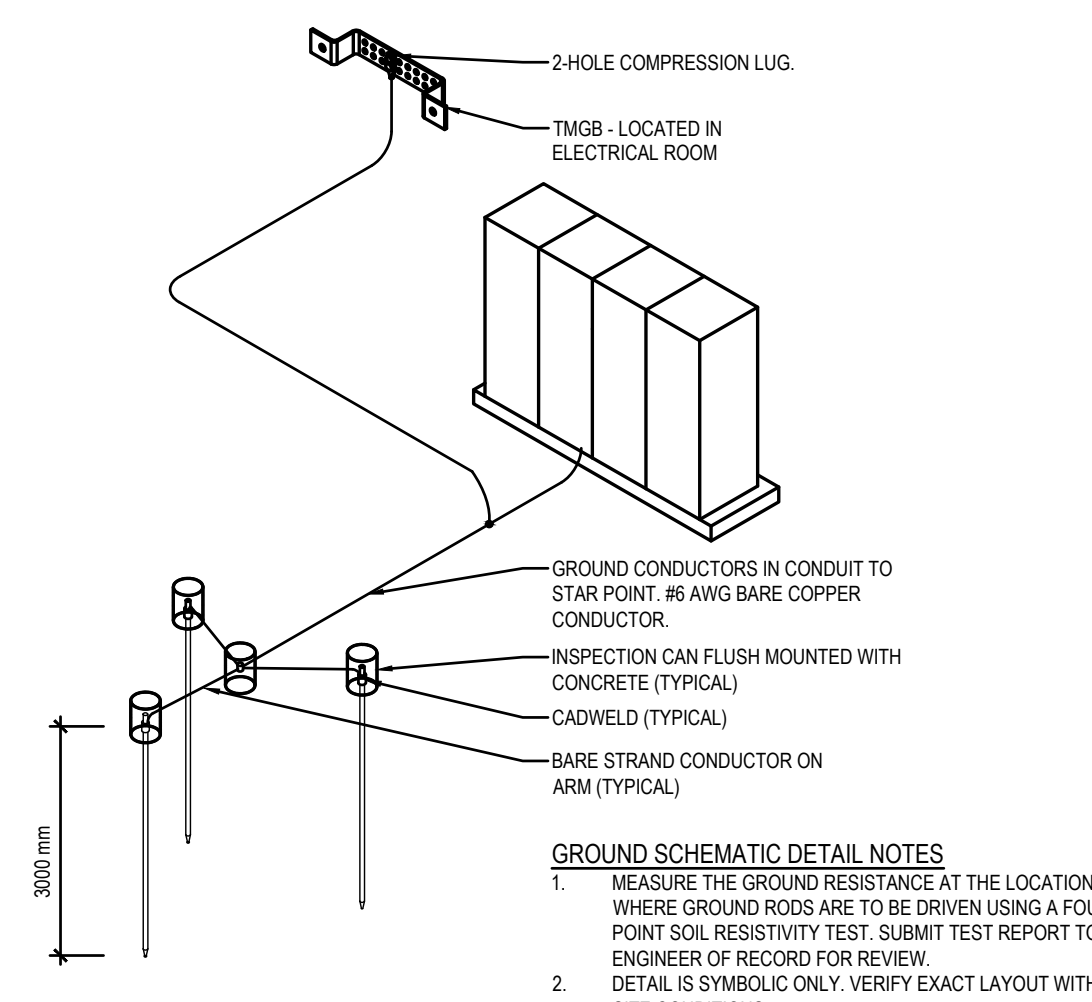
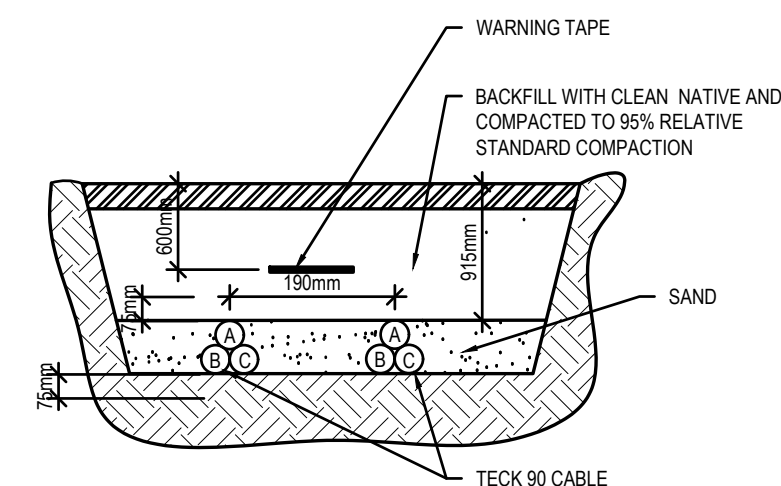
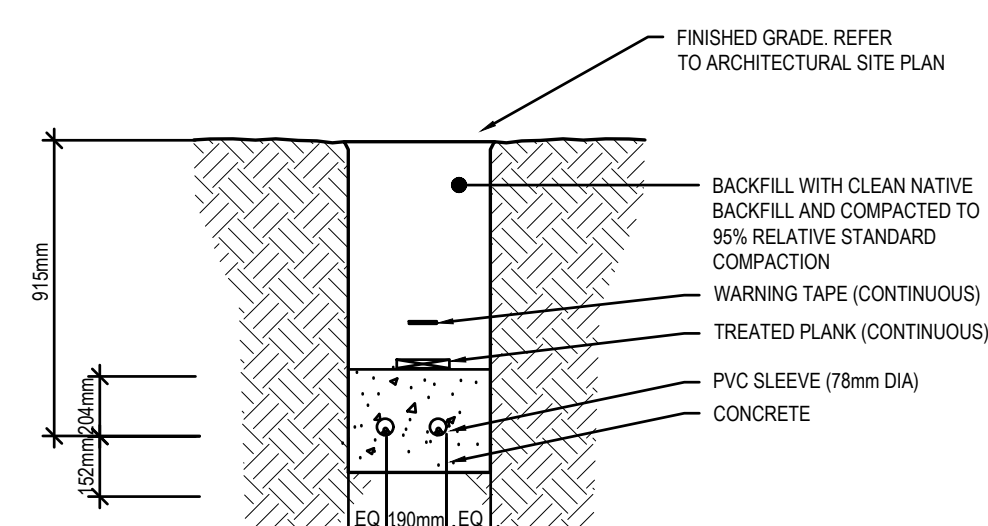
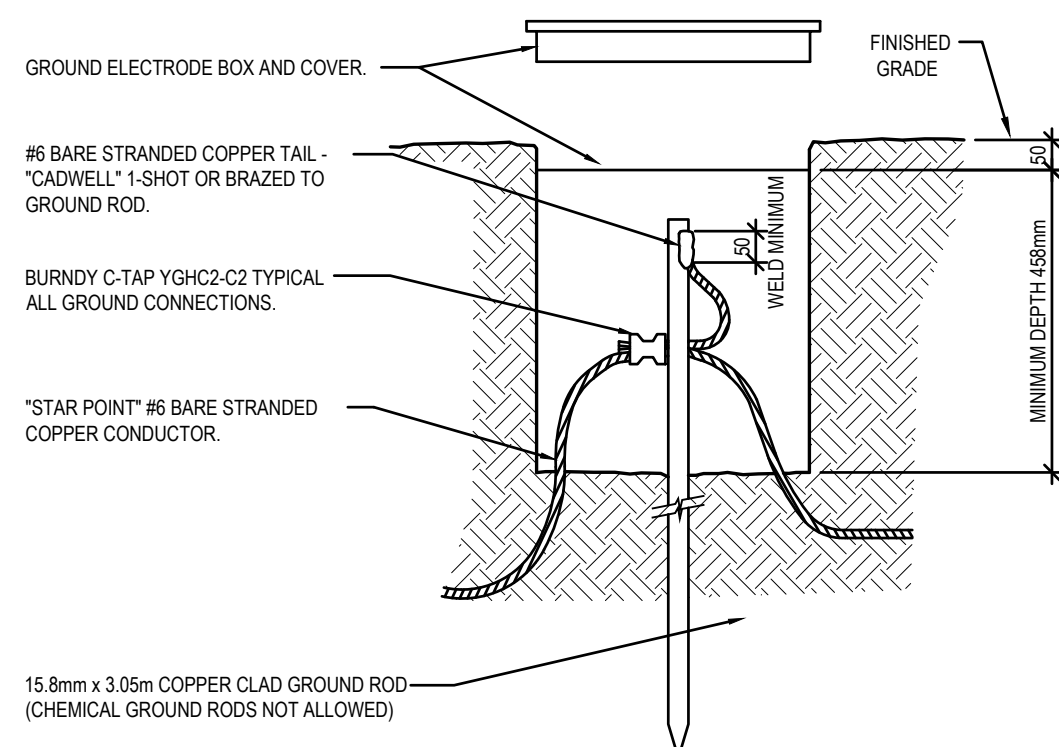
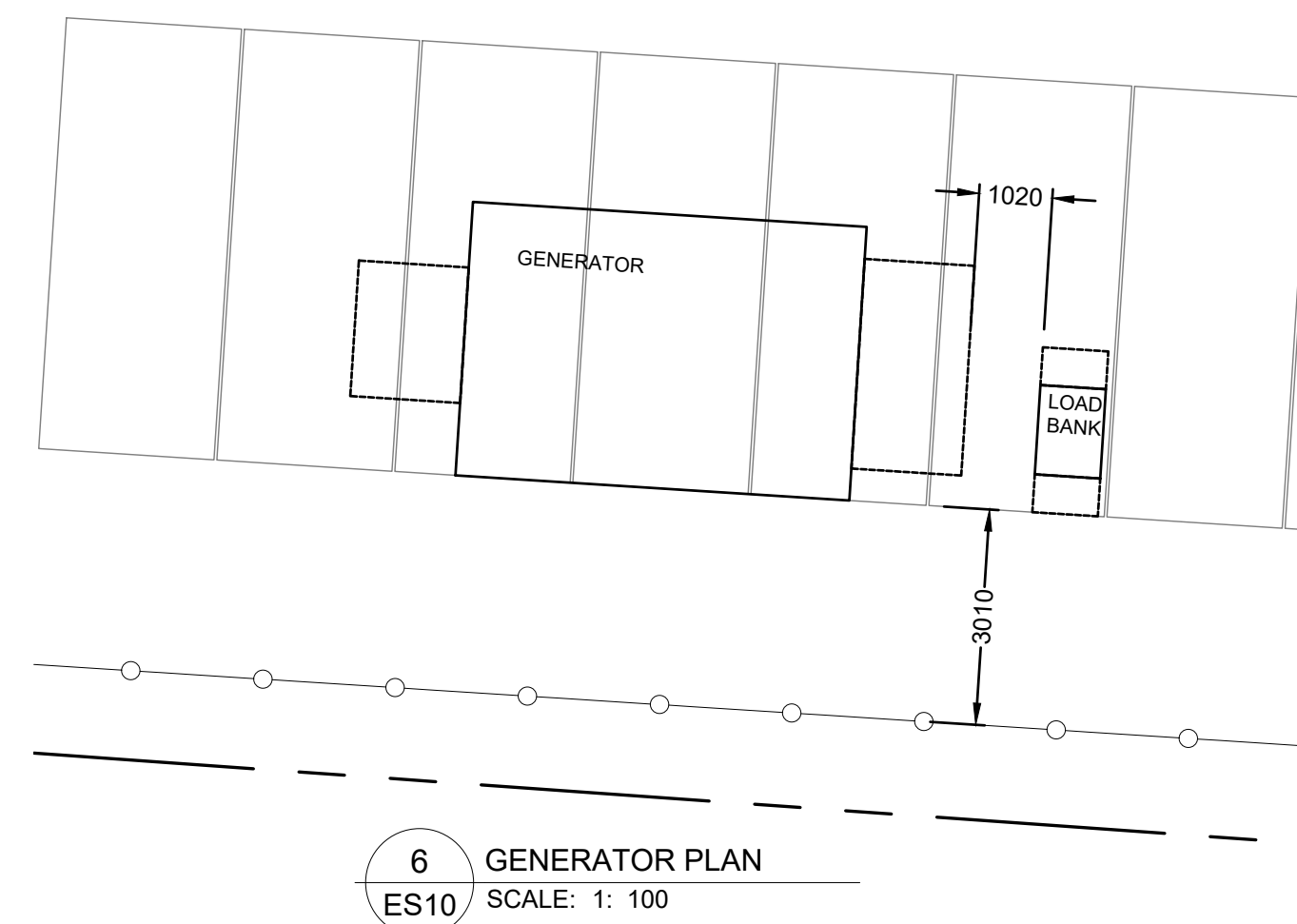
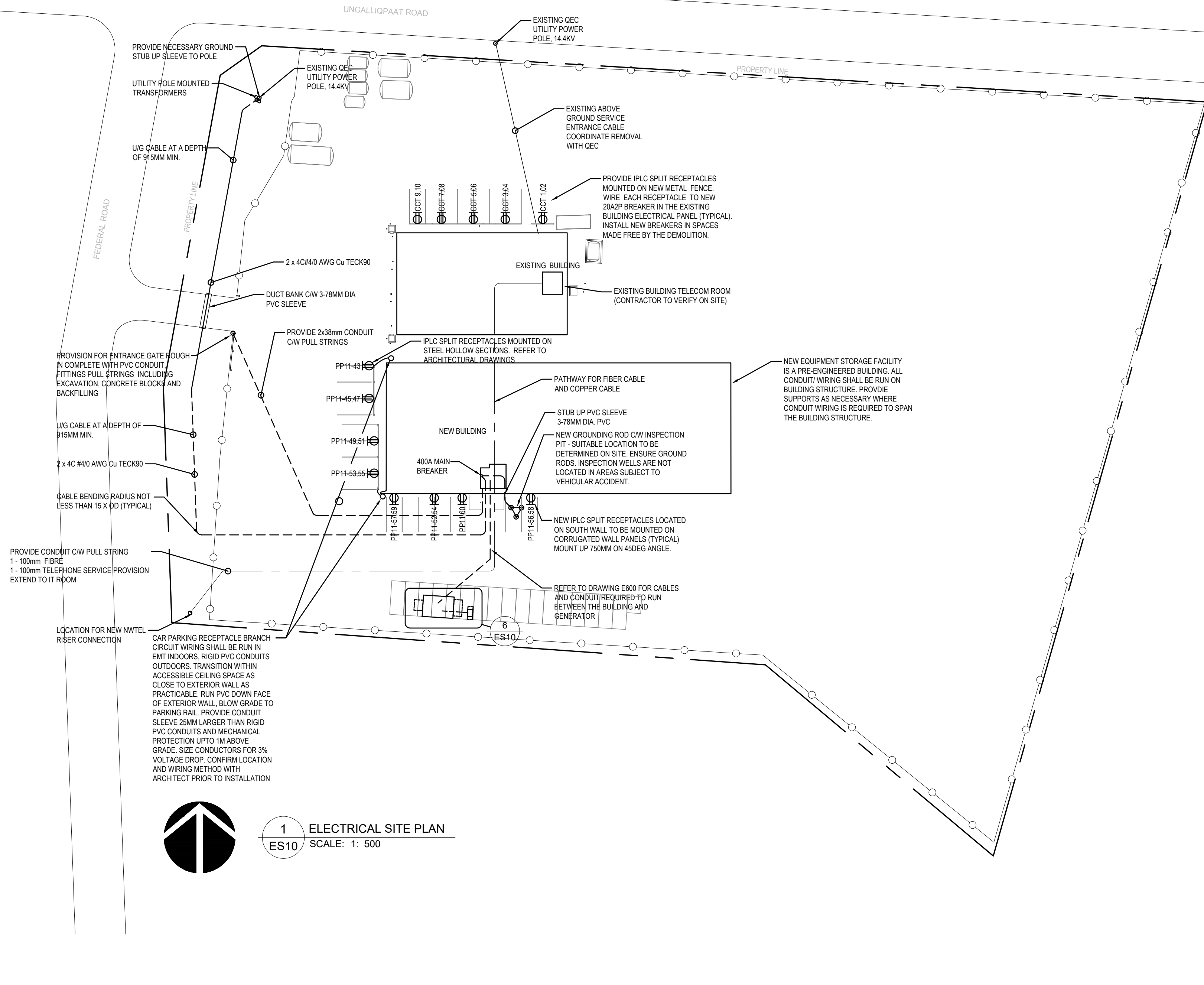
WP-DENOTES WEATHERPROOF DEVICE

HK-HOUSEKEEPING

FR-OUTLET DESIGNATED FOR REFRIGERATOR.

ELECTRICAL DRAWING LIST

- E001 ELECTRICAL LEGEND AND DRAWING LIST
- ES10 ELECTRICAL SITE PLAN
- ED10 EXISTING BUILDING DEMO AND RENOVATION WORKS, FIRST FLOOR
- ED20 EXISTING BUILDING DEMO AND RENOVATION WORKS, SECOND FLOOR
- EL10 LIGHTING SYSTEM, FIRST FLOOR
- EL20 LIGHTING SYSTEM, SECOND FLOOR
- EP10 POWER SYSTEM, FIRST FLOOR
- EP20 POWER SYSTEM, SECOND FLOOR
- EY10 LIFE SAFETY SYSTEMS, FIRST FLOOR
- EY20 LIFE SAFETY SYSTEMS, SECOND FLOOR
- E500 SCHEDULES - ELECTRICAL PANELS
- E600 ELECTRICAL SINGLE LINE DIAGRAM
- E700 SCHEDULES - LUMINAIRE, MECHANICAL EQUIPMENT
- E800 FIRE ALARM SINGLE LINE DIAGRAM
- T500 SCHEDULES - TELECOMMUNICATIONS
- T501 TELECOMMUNICATIONS DETAILS
- T502 TELECOMMUNICATIONS SYSTEMS DIAGRAMS
- T503 TELECOMMUNICATIONS ELEVATION DETAILS
- T504 TELECOMMUNICATIONS ELEVATION DETAILS
- T505 SECURITY SYSTEMS DIAGRAM
- TN10 TELECOMMUNICATIONS PLAN, FIRST FLOOR
- TN20 TELECOMMUNICATIONS PLAN, SECOND FLOOR
- TA10 ACCESS CONTROL AND SECURITY, FIRST FLOOR
- TA20 ACCESS CONTROL AND SECURITY, SECOND FLOOR
- TV10 CCTV SYSTEM, FIRST FLOOR
- TV20 CCTV SYSTEM, SECOND FLOOR
- TM10 INTRUSION ALARM SYSTEM, FIRST FLOOR
- TM20 INTRUSION ALARM SYSTEM, SECOND FLOOR



1. UNITS OF MEASUREMENT IS IN MM UNLESS OTHERWISE STATED.
2. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE CIVIL AND SURVEYING DRAWINGS. COORDINATE AND VERIFY THE ACTUAL LOCATION AT SITE WITH OTHER SERVICES.
3. CONTRACTOR SHALL SERVICE AND CO-ORDINATE WITH QEC UTILITY FOR NEW SERVICE INSTALLATION AND CONNECTION. THE COMPLETE INSTALLATION SHALL BE TO THE FULL SATISFACTION OF QEC SUPPLY, UTILITY AND ENGINEER INCLUDING CHARGES IN CONTRACT. PAY ALL UTILITY CHARGES AS REQUIRED.
4. CONTRACTOR SHALL PROVIDE ANNUAL TRENCHING AND BACKFILLING FOR POWER SUPPLY INSTALLATION. ALL WIRING SHALL BE INSTALLED IN A MINIMUM OF 914mm BELOW GRADE.
5. PROVIDE CONDUIT SLEEVES FOR ALL WIRING/CABLING/SERVICES ENTERING BUILDING. ALL WORK RELATED TO SLEEVING IS TO BE FULLY COORDINATED WITH GENERAL CONTRACTOR.
6. CONTRACTOR SHALL FULLY COORDINATE THE EXACT LOCATION OF ALL INCOMING SERVICE EQUIPMENT WITH THE QEC UTILITY PRIOR TO TRENCHING AND INSTALLATION.
7. SCHEDULING OF ANY/ALL WORK INVOLVING THE EXISTING SCHOOL STRUCTURE AND/OR SERVICES TO BE ARRANGED WITH OWNER TO MINIMIZE DISRUPTIONS TO OWNER'S OPERATION DURING NORMAL WORKING HOURS. ANY/ALL SHUTDOWNS (OR INTERRUPTION TO ANY SYSTEM SHALL BE AT TIMES ACCEPTABLE AND APPROVED BY OWNER.
8. MAINTAIN ALLOWABLE CABLE BENDING RADIUS AS PER CODE AND PROVIDE APPLICABLE CABLE PROTECTION AND WARNING TAPE IN THE GIVEN TRENCH.
9. ENSURE TRENCHES ARE FREE OF FOREIGN OBJECTS, DEBRIS AND/OR SHARP METAL PRIOR TO BACKFILLING.
10. REFER TO UNDERGROUND CABLE INSTALLATION DRAWING FOR DETAILS.
11. REFER TO SPECIFICATIONS ELECTRICAL TESTING WORK FOR CABLE AND GROUND TESTING PROCEDURES.
12. CONTRACTOR TO PROVIDE COMPLETE FULL LENGTH OF CABLE FROM ORIGIN UTILITY POINT TO THE DESTINATION MAIN DISTRIBUTION PANEL. TERMINATION POINT. SPLICING OF CABLE IS NOT PERMITTED.
13. CABLES IN THE POOL, SHALL BE TESTED (MEGGER) PRIOR TO CABLE PULLING TO ENSURE THE CABLES ARE IN GOOD CONDITION. RECORD THE FINDINGS.
14. CONTRACTOR TO PROVIDE SAFETY BARRIER AND SIGNAGE FOR ALL OPEN CABLE TRENCH.
15. CONDUCT GROUNDING RESISTANCE TEST FOR THE INSTALLED GROUNDING ELECTRODES. RECORD THE TOOL/INSTRUMENT USE, CALCULATION DATA AND THE FINDINGS.
16. CONTRACTOR TO ARRANGE WITH QEC FOR THE DISCONNECTION OF THE ELECTRICAL SERVICE TO THE EXISTING BUILDING WHEN THE NEW ELECTRICAL SERVICE AND ASSOCIATED ELECTRICAL DISTRIBUTION MDOB-1 IN THE BUILDING ADJACENT IS COMPLETELY LIVE AND FUNCTIONAL.
17. INTERCONNECTION OF FIBER CABLE FROM CITY HALL TO THIS BUILDING IS NOT PART OF THE PROJECT/SCOPE OF WORK. CITY OF LAUNJIT TO ARRANGE.
18. PRIOR TO ROUGH-IN FOR THE GENERATOR INSTALLATION, COORDINATE FINAL LOCATION OF THE GENERATOR AND LOAD BANK ON SITE.
19. REFER TO STRUCTURAL DRAWING FOR DETAILS ON THE GENERATOR FOUNDATION.
20. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL NECESSARY ELECTRICAL PROVISIONS WITH STEEL CAR PARKING RAIL FABRICATOR INCLUDING, BUT NOT LIMITED TO BONDING PROVISIONS, CABLE PASS THROUGH THE RAILWORKS, RAILWORKS/STEELWORKS MOUNTING. ALL PROVISIONS SHALL BE MARKED ON THE STEEL RAIL SHOP DRAWINGS.



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The general contractor and/or project manager shall verify dimensions and data noted herein with conditions on the site and is held responsible for reporting any discrepancy to the architect for adjustment. Do not scale the drawings.

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WINNIPEG, MANITOBA
CANADA R3T 6B8
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Date 2022-05-12
PERMIT NUMBER: P407
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 May 12, 2022

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6	15/01/01	ISSUED FOR COORDINATION
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3	03/05/00	ISSUED FOR REVIEW
2	12/20/019	ISSUED FOR REVIEW
1	11/29/019	ISSUED FOR 50% REVIEW
REV	DATE	DESCRIPTION

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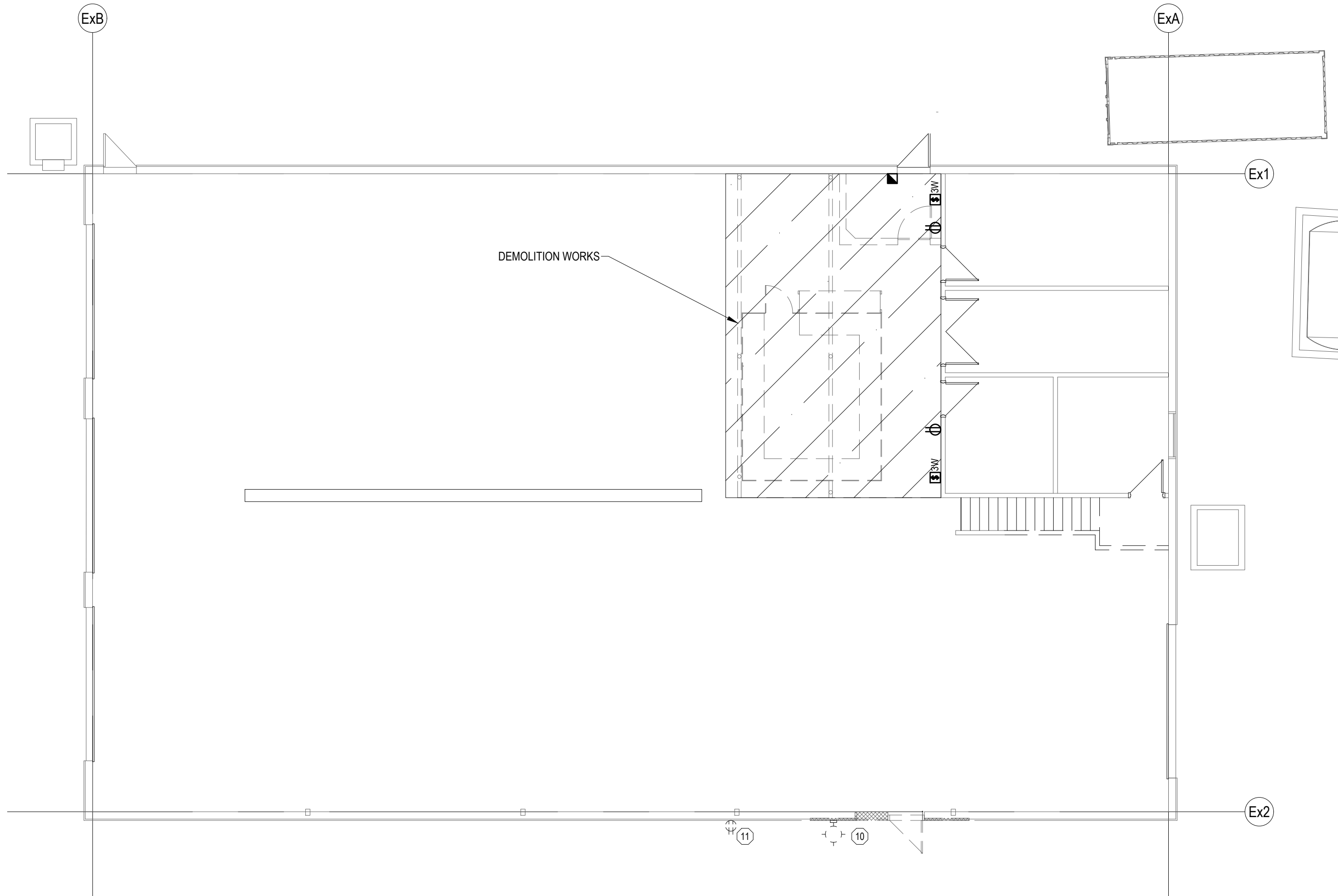
1549 FEDERAL ROAD
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X0A 0H0

CLIENT PROJECT NO. 820837

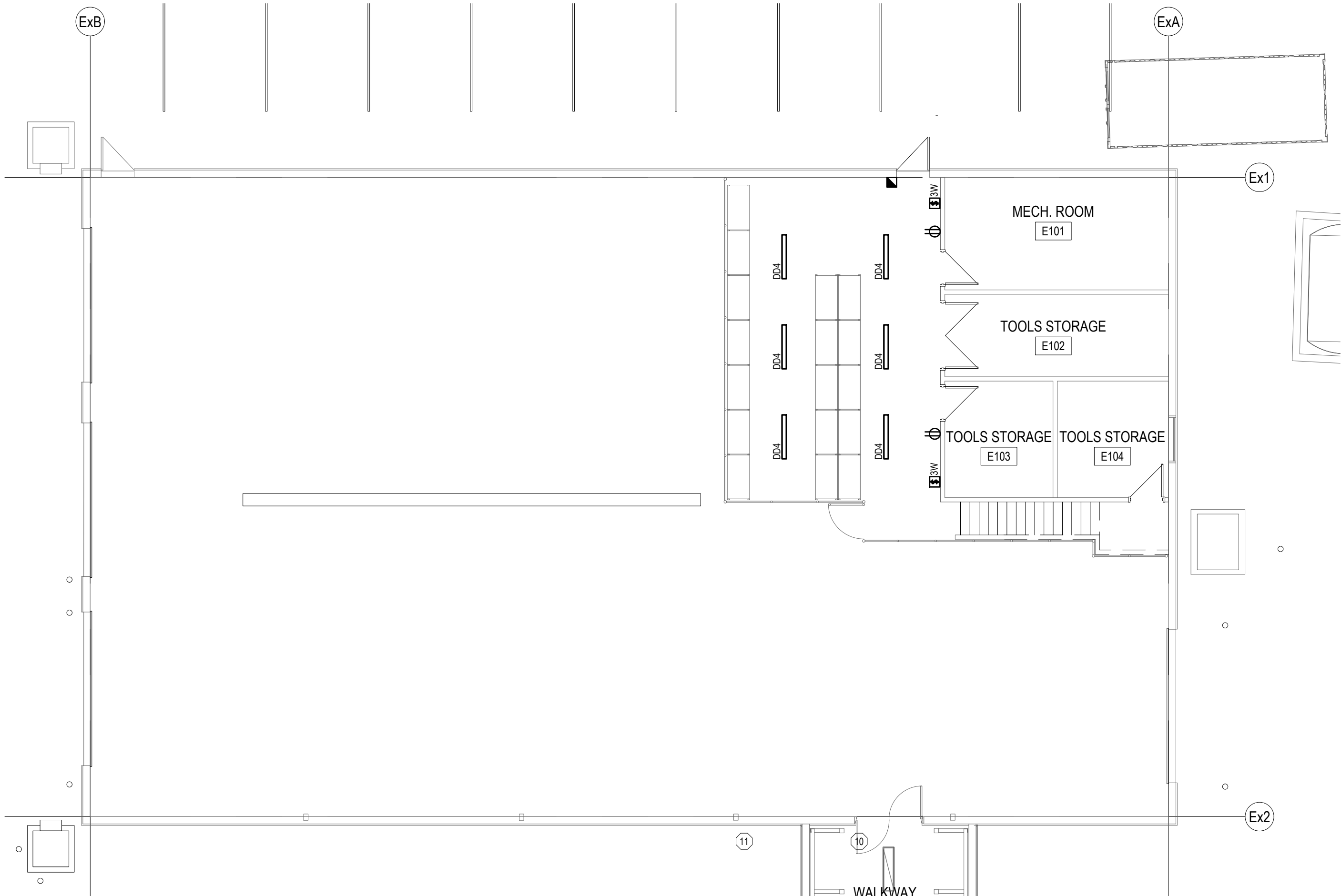
TITLE:
ELECTRICAL SITE PLAN

SCALE: AS NOTED
PROJECT NUMBER: 2019.00800
DRAWN BY: ABL

ES10



1 EXISTING BUILDING DEMO WORKS - FIRST FLOOR
ED10 SCALE: 1: 100



1 EXISTING BUILDING RENO WORKS - FIRST FLOOR
ED10 SCALE: 1: 100

DEMOLITION NOTES:

1. UNITS OF MEASUREMENT ARE IN MM UNLESS OTHERWISE NOTED.
2. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE ARCHITECTURAL, STRUCTURAL, AND MECHANICAL DEMOLITION DRAWINGS.
3. DIVISION 26 TO COORDINATE WITH THE GENERAL CONTRACTOR THE EXTENT OF DEMOLITION WORKS AND CONFIRM QUANTITIES ON SITE PRIOR TO COMMENCEMENT OF WORK. NOT ALL LUMINAIRES, DEVICES AND EQUIPMENT ARE INCLUDED IN THIS DRAWING.
4. REMOVE LIGHTING AND CONDUIT AS REQUIRED AND RELOCATE CAMERAS AS NECESSARY.
5. DIVISION 26 SHALL RETURN ALL SALVAGED ITEMS TO OWNER AT SPECIFIED LOCATION.
6. SCHEDULING OF WORK IN EXISTING BUILDING SHALL BE COORDINATED WITH OWNER AND ARRANGED TO MINIMIZE DISRUPTIONS TO OWNERS OPERATION DURING NORMAL WORKING HOURS.
7. DIVISION 26 SHALL FULLY COORDINATE THE REMOVAL AND DELETION OF THE FIRE ALARM DEVICES AND DELETE ALL CIRCUITS BACK TO NEAREST DEVICES.
8. ANY BRANCH CIRCUIT WIRING, OUTLET ETC FOR ANY LIGHTING SYSTEM TO REMAIN IN USE SHALL BE EXTENDED, RE-ROUTED AND REWIRED BACK TO NEAREST AVAILABLE ELECTRICAL PANEL.
9. ANY BRANCH CIRCUIT WIRING OUTLET FOR ANY EQUIPMENT, CONVENIENCE OUTLET NO LONGER REQUIRED TO REMAIN IN USE SHALL BE REMOVED OR IF THIS IS NOT POSSIBLE, RENDERED PERMANENTLY INACCESSIBLE & COMPLETELY DISCONNECTED FROM PANEL. PROVIDE BLANK STAINLESS COVERPLATES FOR ALL ABANDONED OUTLETS.
10. DISCONNECT AND REMOVE EXISTING WALL PACK AND ASSOCIATED WIRING COMPLETELY TO PANEL SOURCE.
11. DISCONNECT AND REMOVE EXISTING PARKING STALL, RECEPTACLE AND ASSOCIATED WIRING COMPLETELY TO PANEL SOURCE.

RENOVATION NOTES:

1. UNITS OF MEASUREMENT ARE IN MM UNLESS OTHERWISE NOTED.
2. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE ARCHITECTURAL, STRUCTURAL, AND MECHANICAL RENOVATION DRAWINGS.
3. DIVISION 26 TO COORDINATE WITH THE GENERAL CONTRACTOR THE EXTENT OF RENOVATION WORKS AND CONFIRM QUANTITIES ON SITE PRIOR TO COMMENCEMENT OF WORK. NOT ALL LUMINAIRES, DEVICES AND EQUIPMENT ARE INCLUDED IN THIS DRAWING.
4. ALL ELECTRICAL DEMOLITION/RELOCATION WORKS SHALL BE PERFORMED BY DIVISION 26.
5. INSTALL ALL THE LIGHTING FIXTURES AND WIRING DEVICES AS SHOWN IN THE PLAN.
6. SCHEDULING OF WORK IN EXISTING BUILDING SHALL BE COORDINATED WITH OWNER AND ARRANGED TO MINIMIZE DISRUPTIONS TO OWNERS OPERATION DURING NORMAL WORKING HOURS.
7. PROVIDE ADDITIONAL CIRCUIT OR USE THE PREVIOUS CIRCUIT AS REQUIRED. UPDATE THE PANEL LOAD SCHEDULE.
8. MAINTAIN CLEARANCES OF THE FIXTURES WITH OTHER SERVICES.
9. CONDUCT TESTING AND COMMISSIONING OF ALL DEVICES AND FIXTURES INSTALLED.

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1	11/29/019	ISSUED FOR 50% REVIEW

REV DATE DESCRIPTION

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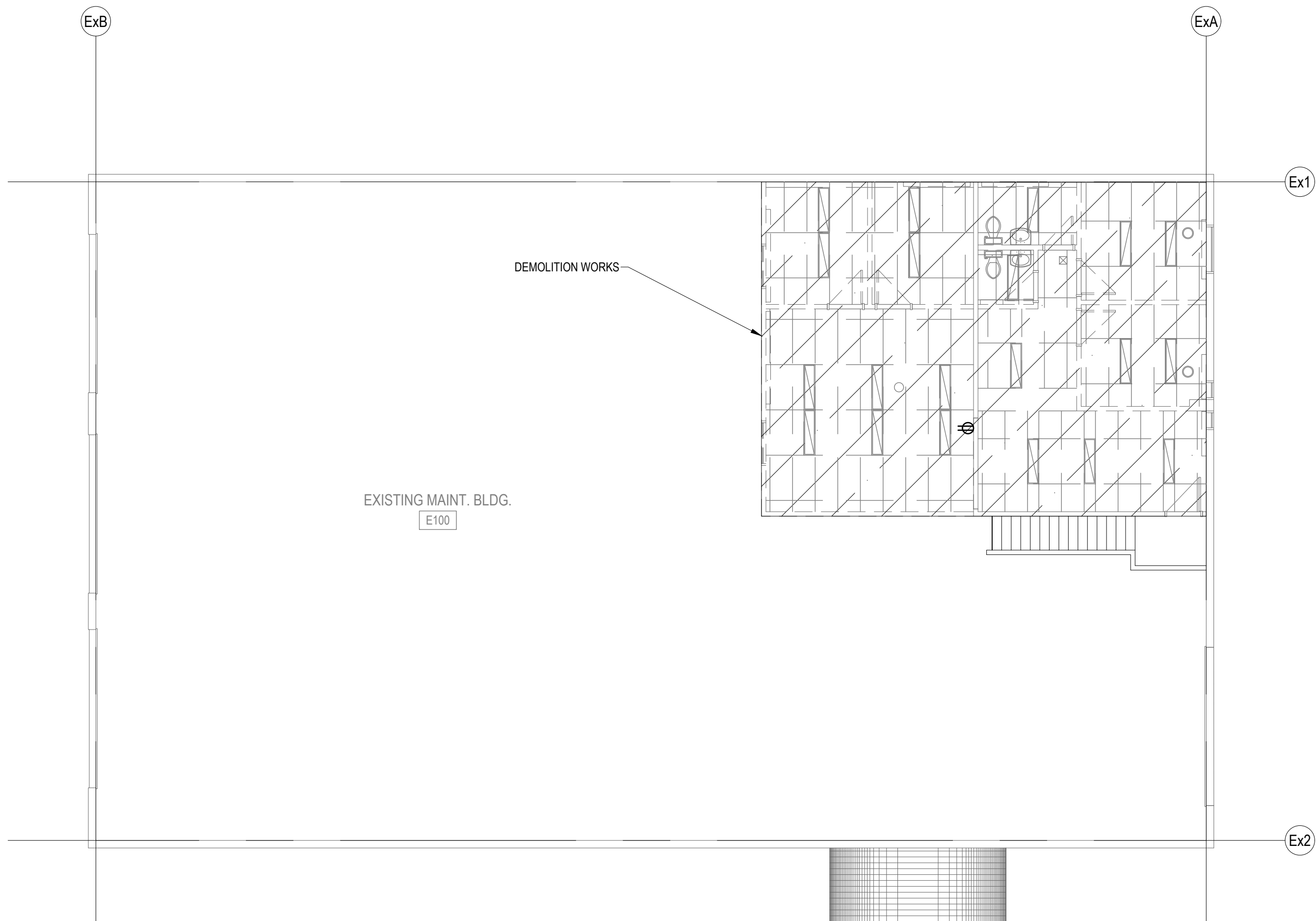
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CLIENT PROJECT NO. 820837

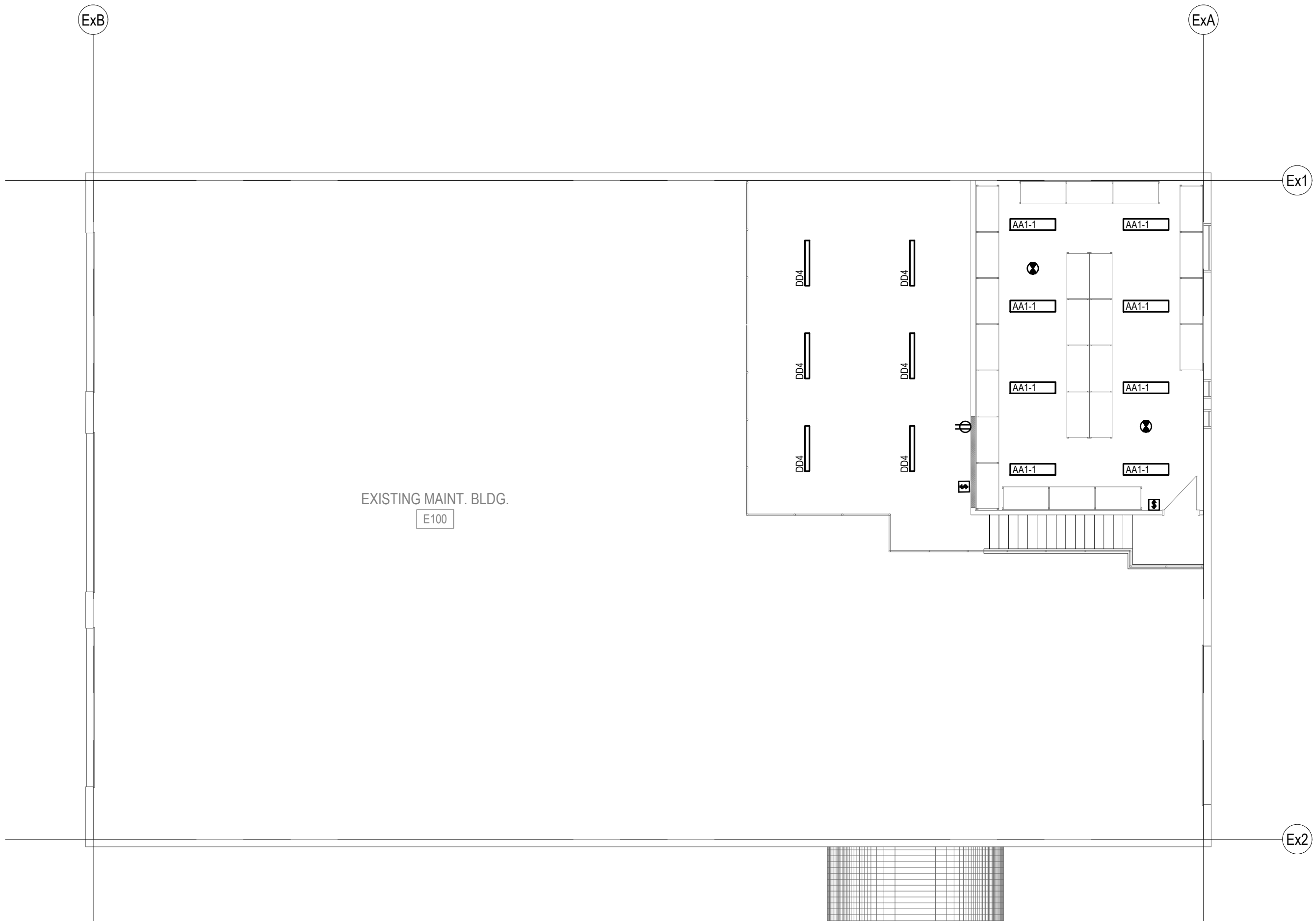
TITLE:
EXISTING BUILDING DEMO &
RENOVATION FIRST FLOOR

SCALE: 1 : 100
PROJECT NUMBER: 2019.00800
DRAWN BY: ABL

ED10



1 EXISTING BUILDING DEMO WORKS - SECOND FLOOR
ED20 SCALE: 1: 100



2 EXISTING BUILDING RENO WORKS - SECOND FLOOR
ED20 SCALE: 1: 100

DEMOLITION NOTES:

1. UNITS OF MEASUREMENT ARE IN MM UNLESS OTHERWISE NOTED.
2. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE ARCHITECTURAL, STRUCTURAL, AND MECHANICAL DEMOLITION DRAWINGS.
3. DIVISION 26 TO COORDINATE WITH THE GENERAL CONTRACTOR THE EXTENT OF DEMOLITION WORKS AND CONFIRM QUANTITIES ON SITE PRIOR TO COMMENCEMENT OF WORK. NOT ALL LUMINAIRES, DEVICES AND EQUIPMENT ARE INCLUDED IN THIS DRAWING.
4. REMOVE LIGHTING AND CONDUIT AS REQUIRED AND RELOCATE CAMERAS AS NECESSARY.
5. DIVISION 26 SHALL RETURN ALL SALVAGED ITEMS TO OWNER AT SPECIFIED LOCATION.
6. SCHEDULING OF WORK IN EXISTING BUILDING SHALL BE COORDINATED WITH OWNER AND ARRANGED TO MINIMIZE DISRUPTIONS TO OWNERS OPERATION DURING NORMAL WORKING HOURS.
7. DIVISION 26 SHALL FULLY COORDINATE THE REMOVAL AND DELETION OF THE FIRE ALARM DEVICES AND DELETE ALL CIRCUITS BACK TO NEAREST DEVICES.
8. ANY BRANCH CIRCUIT WIRING, OUTLET ETC FOR ANY LIGHTING SYSTEM TO REMAIN N USE SHALL BE EXTENDED, RE-ROUTED AND REWIRED BACK TO NEAREST AVAILABLE ELECTRICAL PANEL.
9. ANY BRANCH CIRCUIT WIRING OUTLET FOR ANY EQUIPMENT, CONVENIENCE OUTLET NO LONGER REQUIRED TO REMAIN IN USE SHALL BE REMOVED OR IF THIS IS NOT POSSIBLE, RENDERED PERMANENTLY INACCESSIBLE & COMPLETELY DISCONNECTED FROM PANEL. PROVIDE BLANK STAINLESS COVERPLATES FOR ALL ABANDONED OUTLETS.

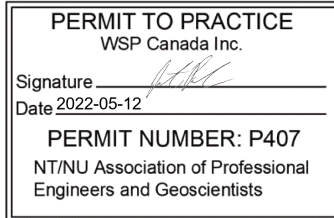
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4. ALL ELECTRICAL DEMOLITION/RELOCATION WORKS SHALL BE PERFORMED BY DIVISION 26.
5. INSTALL ALL THE LIGHTING FIXTURES AND WIRING DEVICES AS SHOWN IN THE PLAN.
6. SCHEDULING OF WORK IN EXISTING BUILDING SHALL BE COORDINATED WITH OWNER AND ARRANGED TO MINIMIZE DISRUPTIONS TO OWNERS OPERATION DURING NORMAL WORKING HOURS.
7. PROVIDE ADDITIONAL CIRCUIT OR USE THE PREVIOUS CIRCUIT AS REQUIRED. UPDATE THE PANEL LOAD SCHEDULE.
8. MAINTAIN CLEARANCES OF THE FIXTURES WITH OTHER SERVICES.
9. CONDUCT TESTING AND COMMISSIONING OF ALL DEVICES AND FIXTURES INSTALLED.
10. PROVIDE PARKING FENCE WITH RECEPTACLES ALONG THE EXISTING BUILDING FACADE.

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3	03/05/2020	ISSUED FOR REVIEW
2	12/20/2019	ISSUED FOR REVIEW
1	11/29/2019	ISSUED FOR 50% REVIEW

REV	DATE	DESCRIPTION
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1549 FEDERAL ROAD
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X0A 0H0

CLIENT PROJECT NO. 820837

TITLE:

EXISTING BUILDING DEMO &
RENOVATION - SECOND FLOOR

SCALE: 1 : 100
PROJECT NUMBER: 2019.00800
DRAWN BY: ABL

ED20

14	12/05/2022	ISSUED FOR TENDER
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12	26/03/2021	ISSUED FOR CLIENT REVIEW (100%)
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1	11/29/2019	ISSUED FOR 50% REVIEW
REV	DATE	DESCRIPTION

LIGHTING GENERAL NOTES:

- UNITS OF MEASURE ARE IN MM UNLESS OTHERWISE NOTED.
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE ARCHITECTURAL CEILING PLANS, MECHANICAL AND STRUCTURAL DRAWINGS.
- DIVISION 26 TO COORDINATE WITH THE MECHANICAL AND ARCHITECTURAL CONTRACTOR FOR THE LAYOUT OF LIGHTING FIXTURES PRIOR TO ROUGH-IN.
- REFER TO LUMINAIRE SCHEDULE ON DRAWING E700 FOR LIGHTING FIXTURE INFORMATION.
- ALL LIGHTING WIRING, BOXES AND CONDUITS ABOVE CEILING SHALL BE FULLY SUPPORTED AND CONNECTED WITH APPLICABLE CONNECTORS, ADAPTERS AND FITTINGS.
- ALL WIRING TO MAINTAIN ALLOWABLE CLEARANCE WITH OTHER SERVICES.
- CONTRACTOR TO INSTALL OCCUPANCY SENSORS ACCORDING TO MANUFACTURER'S RECOMMENDATION COVERAGE PATTERNS. REFER TO MANUFACTURER CUTSHEET.
- ALL ABOVE REFLECTIVE CEILING PLAN LIGHTING FIXTURES TO BE INDEPENDENTLY SUPPORTED FROM THE FALSE CEILING STRUCTURE.
- OBSERVE ALL CEILING LIGHTING FIXTURE CLEARANCE FROM THE SIDE WALL TO BE NOT LESS THAN 300MM AND ADJUST ACCORDINGLY. CONTRACTOR TO USE AN APPROVED CEILING FASTENING SYSTEM PRODUCT SIMILAR TO TILTI.
- POWER WIRING FOR THE LIGHTING FIXTURE TO BE MINIMUM #12AWG IN 21MM DIA. CONDUIT.
- SCHEDULING OF WORK IN EXISTING BUILDING SHALL BE COORDINATED WITH OWNER (THROUGH THE GENERAL CONTRACTOR) AND ARRANGED TO MINIMIZE DISRUPTIONS TO OWNERS OPERATION DURING NORMAL WORKING HOURS. ANY SHUTDOWN OR INTERRUPTION TO SYSTEM SHALL BE AT TIMES ACCEPTABLE AND APPROVED BY OWNER.
- CEILING LAYOUTS ARE TO MATCH THE ARCHITECTURAL REFLECTED CEILING PLANS. ALL CEILING MOUNTED LIGHT FIXTURES, ALL MECHANICAL SYSTEMS INCLUDING BUT NOT LIMITED TO DIFFUSERS, GRILLER, RADIANT PANELS, ETC. ARE TO BE LAID OUT AS PER THE ARCHITECTURAL REFLECTED CEILING PLANS.

LIGHTING KEYNOTES

- LIGHTING FIXTURES SHALL BE CONTROLLED BY A COMBINATION OF CEILING MOUNTED OCCUPANCY SENSORS AND WALL MOUNTED DIMMERS.
- STAFF HUB VALANCE LIGHTS TO BE CONTROLLED BY A WALL SWITCH.
- STAFF HUB DOWNLIGHTS TO BE CONTROLLED BY DIMMER SWITCHES).
- LIGHTING FIXTURES IN STAIR ST-01-1 SHALL BE CONTROLLED BY AN OCCUPANCY SENSOR. ALL SENSORS LOCATED IN STAIR SHALL BE CONNECTED IN PARALLEL.
- EXTERIOR LIGHTING TO BE CONTROLLED BY A COMBINATION OF MECHANICAL TIMER AND PHOTOCELL. INSTALL TIMER IN 221 M&E AND INSTALL THE PHOTOCELL SENSOR DEVICE ON THE NORTH FACE OF THE BUILDING AT HIGH LEVEL. COORDINATE PHOTOCELL LOCATION PRIOR TO ROUGH-IN.

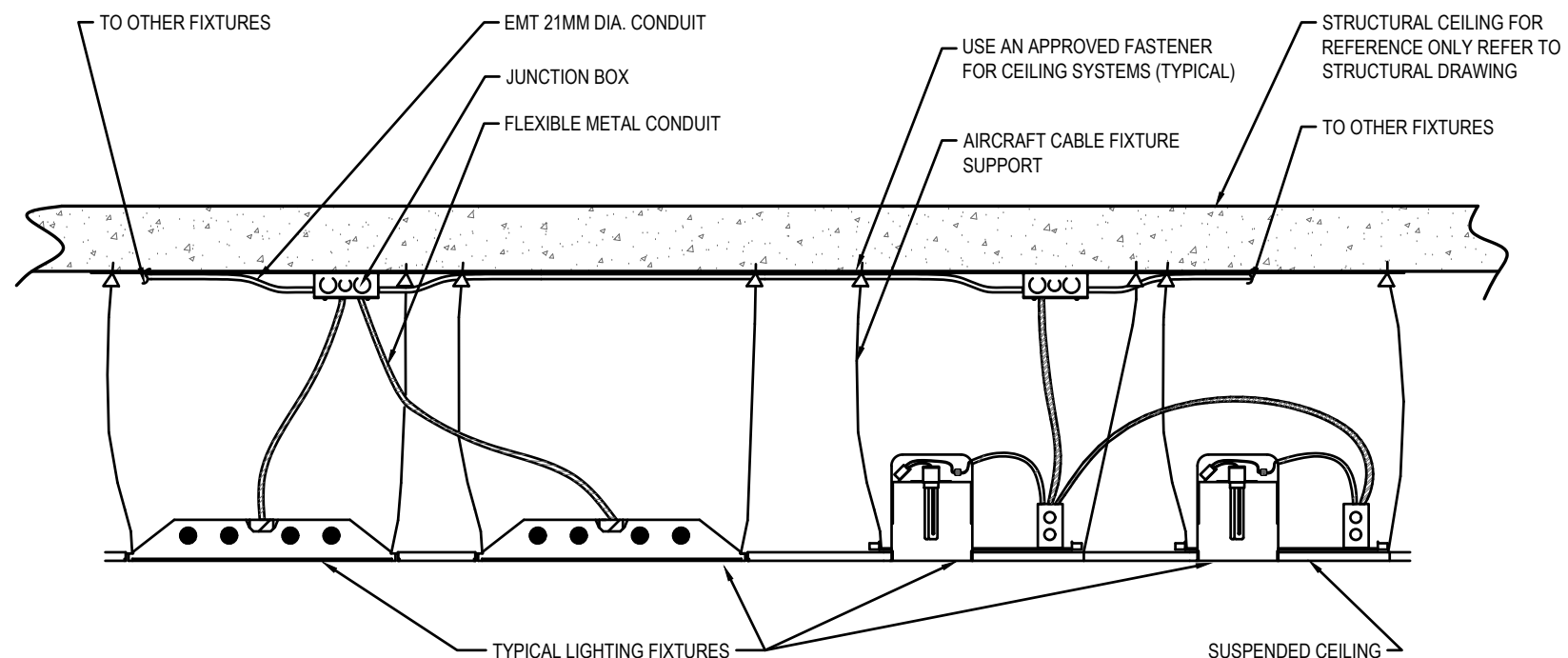
1 LIGHTING SYSTEM - FIRST FLOOR
SCALE: 1: 100

EL10

3 TYPICAL ELEVATION DETAILS
SCALE: N.T.S.

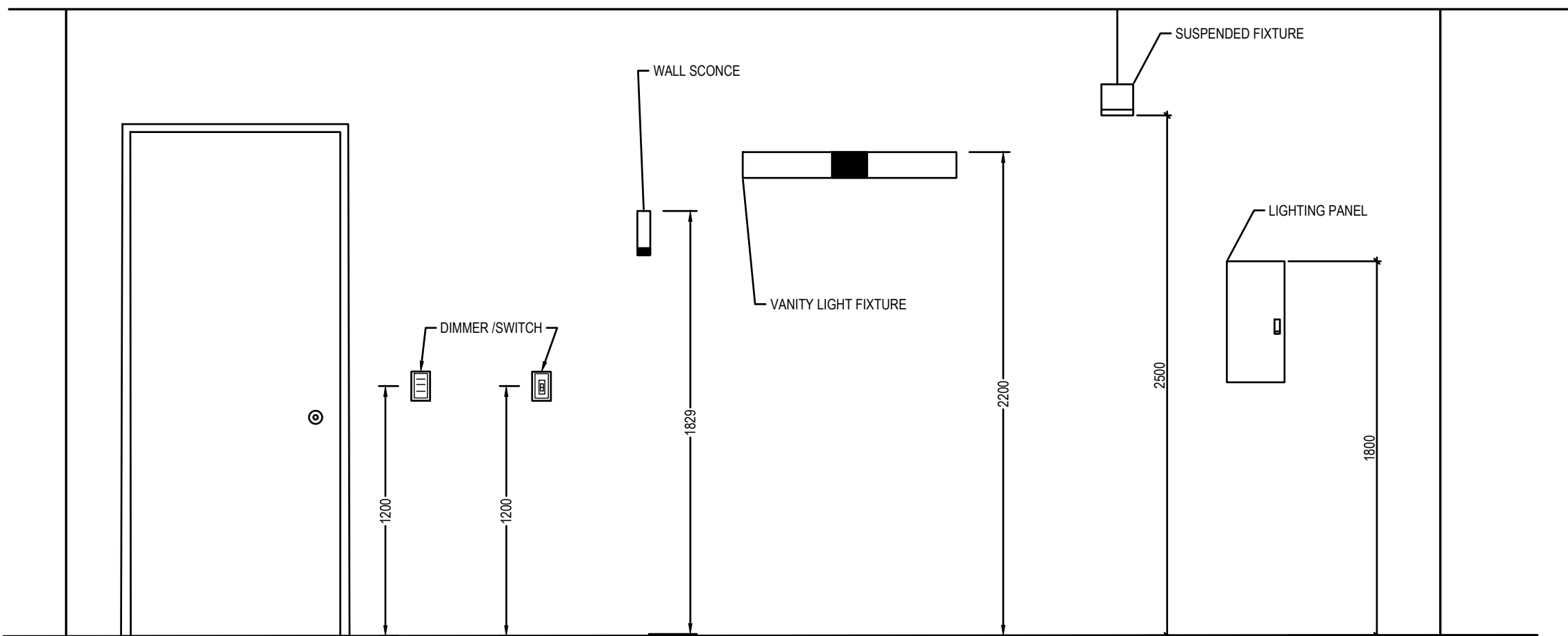
EL10

NOTE:
ELEVATION DETAILS ARE FOR REFERENCE ONLY. ANY DISCREPANCY BETWEEN THIS DETAIL AND ARCHITECTURAL DRAWINGS, THE ARCHITECTURAL DRAWINGS SHALL PREVAIL.



2 TYPICAL LIGHT FIXTURE INSTALLATION DETAIL
SCALE: N.T.S.

EL10



3 TYPICAL ELEVATION DETAILS
SCALE: N.T.S.

EL10

NOTE:
ELEVATION DETAILS ARE FOR REFERENCE ONLY. ANY DISCREPANCY BETWEEN THIS DETAIL AND ARCHITECTURAL DRAWINGS, THE ARCHITECTURAL DRAWINGS SHALL PREVAIL.

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4	03/11/20	ISSUED FOR OWNER REVIEW
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1	11/29/19	ISSUED FOR 50% REVIEW

REV DATE DESCRIPTION

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IQALUIT, NUNAVUT
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CLIENT PROJECT NO. 820837

TITLE:
LIGHTING SYSTEM
SECOND FLOOR

SCALE: 1 : 100
PROJECT NUMBER: 2019.00800
DRAWN BY: ABL

EL20

LIGHTING GENERAL NOTES:

- UNITS OF MEASUREMENT ARE IN MM UNLESS OTHERWISE NOTED.
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE ARCHITECTURAL CEILING PLANS, MECHANICAL AND STRUCTURAL DRAWINGS.
- DIVISION 26 TO COORDINATE WITH THE MECHANICAL AND ARCHITECTURAL CONTRACTOR FOR THE LAYOUT OF LIGHTING FIXTURES PRIOR TO ROUGH-IN.
- REFER TO LUMINAIRE SCHEDULE ON DRAWING E700 FOR LIGHTING FIXTURE INFORMATION.
- ALL LIGHTING WIRING, BOXES AND CONDUITS ABOVE CEILING SHALL BE FULLY SUPPORTED AND CONNECTED WITH APPLICABLE CONNECTORS, ADAPTERS AND FITTINGS.
- ALL WIRING TO MAINTAIN ALLOWABLE CLEARANCE WITH OTHER SERVICES.
- CONTRACTOR TO INSTALL OCCUPANCY SENSORS ACCORDING TO MANUFACTURER'S RECOMMENDATION COVERAGE PATTERNS. REFER TO MANUFACTURER CUTSHEET.
- ALL ABOVE REFLECTIVE CEILING PLAN LIGHTING FIXTURES TO BE INDEPENDENTLY SUPPORTED FROM THE FALSE CEILING STRUCTURE.
- OBSERVE ALL CEILING LIGHTING FIXTURE CLEARANCE FROM THE SIDE WALL TO BE NOT LESS THAN 300MM AND ADJUST ACCORDINGLY. CONTRACTOR TO USE AN APPROVED CEILING FASTENING SYSTEM PRODUCT SIMILAR TO TILTI.
- POWER WIRING FOR THE LIGHTING FIXTURE TO BE MINIMUM #12AWG IN 21MM DIA. CONDUIT.
- SCHEDULING OF WORK IN EXISTING BUILDING SHALL BE COORDINATED WITH OWNER (THROUGH THE GENERAL CONTRACTOR) AND ARRANGED TO MINIMIZE DISRUPTIONS TO OWNERS OPERATION DURING NORMAL WORKING HOURS. ANY SHUTDOWN OR INTERRUPTION TO SYSTEM SHALL BE AT TIMES ACCEPTABLE AND APPROVED BY OWNER.
- CEILING LAYOUTS ARE TO MATCH THE ARCHITECTURAL REFLECTED CEILING PLANS. ALL CEILING MOUNTED LIGHT FIXTURES, ALL MECHANICAL SYSTEMS INCLUDING BUT NOT LIMITED TO DIFFUSERS, GRILLES, RADIANT PANELS, ETC. ARE TO BE LAID OUT AS PER THE ARCHITECTURAL REFLECTED CEILING PLANS.

LIGHTING LAYOUT IN THIS AREA IS SHOWN IN
THE GROUND FLOOR

1 LIGHTING SYSTEM - SECOND FLOOR
EL20 SCALE: 1: 100

LIGHTING KEYNOTES

- LIGHTING FIXTURES SHALL BE CONTROLLED BY A COMBINATION OF CEILING MOUNTED OCCUPANCY SENSORS AND WALL MOUNTED DIMMERS.
- STAFF HUB VALANCE LIGHTS TO BE CONTROLLED BY A WALL SWITCH.
- STAFF HUB DOWNLIGHTS TO BE CONTROLLED BY DIMMER SWITCH(ES).
- LIGHTING FIXTURES IN STAIR ST-01-1 SHALL BE CONTROLLED BY AN OCCUPANCY SENSOR. ALL SENSORS LOCATED IN STAIR SHALL BE CONNECTED IN PARALLEL.
- EXTERIOR LIGHTING TO BE CONTROLLED BY A COMBINATION OF MECHANICAL TIMER AND PHOTOCELL. INSTALL TIMER IN 221 M&E AND INSTALL THE PHOTOCELL SENSOR DEVICE ON THE NORTH FACE OF THE BUILDING AT HIGH LEVEL. COORDINATE PHOTOCELL LOCATION PRIOR TO ROUGH-IN.

VERNE REIMER
ARCHITECTURE

INCORPORATED

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204.944.8275 (fax)
verneremer.com

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CONSULTANTS

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WINNIPEG, MANITOBA
CANADA R3T 1B8
PHONE 204-471-8800
WWW.WSPGROUP.COM

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1 POWER SYSTEM - FIRST FLOOR
SCALE: 1: 100

2 116 M&E ROOM - POWER
SCALE: 1: 50

POWER GENERAL NOTES:

- UNITS OF MEASUREMENT ARE IN MM UNLESS OTHERWISE NOTED.
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE ARCHITECTURAL, CEILING PLANS, MECHANICAL AND STRUCTURAL DRAWINGS.
- DIVISION 26 TO COORDINATE WITH THE MECHANICAL AND ARCHITECTURAL CONTRACTOR FOR THE LAYOUT OF POWER RECEPTACLES, SWITCHES AND PANELBOARDS AT SITE.
- REFER TO WIRING DEVICES AND ELECTRICAL EQUIPMENT INSTALLATION INSTRUCTIONS FOR MORE INFORMATION AND RECOMMENDATIONS.
- ALL POWER WIRING, BOXES AND CONDUITS ABOVE CEILING SHALL BE FULLY SUPPORTED AND CONNECTED WITH APPLICABLE CONNECTORS, ADAPTERS AND FITTINGS.
- ALL WIRING TO MAINTAIN ALLOWABLE CLEARANCE WITH OTHER SERVICES.
- REFER TO EQUIPMENT SCHEDULE FOR POWER INFORMATION.
- ALL WIRING DEVICES PROVIDED WITH APPLICABLE BOXES SUITABLE AS RECESSED OR SURFACE MOUNTED AS STATED.
- ALL RECEPTACLE BOXES TO BE FULLY SUPPORTED AND APPLIED WITH FIRE STOPPING MATERIAL AS REQUIRED.
- OBSERVE ALL RECEPTACLE BOXES CLEARANCE FROM THE SIDE WALL TO BE NOT LESS THAN 50MM AND ADJUST ACCORDINGLY.
- POWER WIRING FOR THE RECEPTACLE OUTLET TO BE MINIMUM #12AWG IN 21MM DIA. CONDUIT.
- SCHEDULING OF WORK IN EXISTING BUILDING SHALL BE COORDINATED WITH OWNER (THROUGH THE GENERAL CONTRACTOR) AND ARRANGED TO MINIMIZE DISRUPTIONS TO OWNERS OPERATION DURING NORMAL WORKING HOURS. ANY SHUTDOWN OR INTERRUPTION TO SYSTEM SHALL BE AT TIMES ACCEPTABLE AND APPROVED BY OWNER.
- RECEPTACLES TO BE MOUNTED IN THE WORK BENCH. CONDUIT ROUGH IN SHALL BE EMBEDDED TO THE CONCRETE FLOOR.
- REFER TO MECHANICAL EQUIPMENT SCHEDULE ON DRAWING E700 FOR COMPLETE LIST OF CIRCUITRY ASSIGNED TO EQUIPMENT.

KEYNOTES:

- PROVIDE A WEATHERPROOF RECEPTACLE ENCLOSED IN WEATHER PROOF BOX. MOUNT THE BOX IN THE DRAIN AT HIGH LEVEL. REFER TO PLUMBING DRAWING P100 ON THE DETAILS OF ELEVATION OF THE DRAIN AND LOCATION OF PUMP.
- PROVIDE INTERLOCKING CONNECTIONS TO EF-02, MD-09 AND MD-10 WITH CONO2 SYSTEM.
- PROVIDE 30C FROM FLOOR BOX TO ACCESSIBLE CEILING SPACE VIA A DOUBLE GANG LOW VOLTAGE DEVICE BRACKET FOR FUTURE AV CONNECTIONS. MOUNT DEVICE BRACKET ADJACENT TO TV OUTLET.
- MOUNT GFCI RECEPTACLE 250MM ABOVE SINK/COUNTER.
- LIFT SUPPLIED CW DISCONNECT SWITCH AND PIT LIGHTING KIT. PROVIDE DEDICATED 15A, 120V-1PH CIRCUIT FOR CONTROLLER AND A 15A, 120V-1PH CIRCUIT FOR PIT LIGHTING. INSTALL DISCONNECT SWITCH SUPPLIED WITH UNIT. COORDINATE WITH LIFT INSTALLER.

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8	05/02/2021	ISSUED FOR COORDINATION
7	22/01/2021	ISSUED CLASS A ESTIMATE
6	15/01/2021	ISSUED FOR COORDINATION
5	12/06/2020	ISSUED FOR 95% REVIEW
4	03/11/2020	ISSUED FOR OWNER REVIEW
3	03/05/2020	ISSUED FOR REVIEW
2	12/20/2019	ISSUED FOR REVIEW
1	11/29/2019	ISSUED FOR 50% REVIEW
REV	DATE	DESCRIPTION

CLIENT
CITY OF IQALUIT
OPERATIONS CENTRE

1549 FEDERAL ROAD
IQALUIT, NUNAVUT
X0A 0H0

CLIENT PROJECT NO. 820837

TITLE:
POWER SYSTEM FIRST FLOOR

SCALE: 1: 100
PROJECT NUMBER: 2019.00800
DRAWN BY: ABL

EP10

14	12/05/2022	ISSUED FOR TENDER
13	29/04/2022	ISSUED FOR PRE-TENDER CHECK SET
12	26/03/2021	ISSUED FOR CLIENT REVIEW (100%)
11	24/02/2021	ISSUED FOR REVIEW
10	17/02/2021	ISSUED FOR CLIENT REVIEW (100%)
9	12/02/2021	ISSUED FOR COORDINATION
8	05/02/2021	ISSUED FOR COORDINATION
7	22/01/2021	ISSUED CLASS A ESTIMATE
6	15/01/2021	ISSUED FOR COORDINATION
5	12/06/2020	ISSUED FOR 95% REVIEW
4	03/11/2020	ISSUED FOR OWNER REVIEW
3	03/05/2020	ISSUED FOR REVIEW
2	12/20/2019	ISSUED FOR REVIEW
1	11/29/2019	ISSUED FOR 50% REVIEW

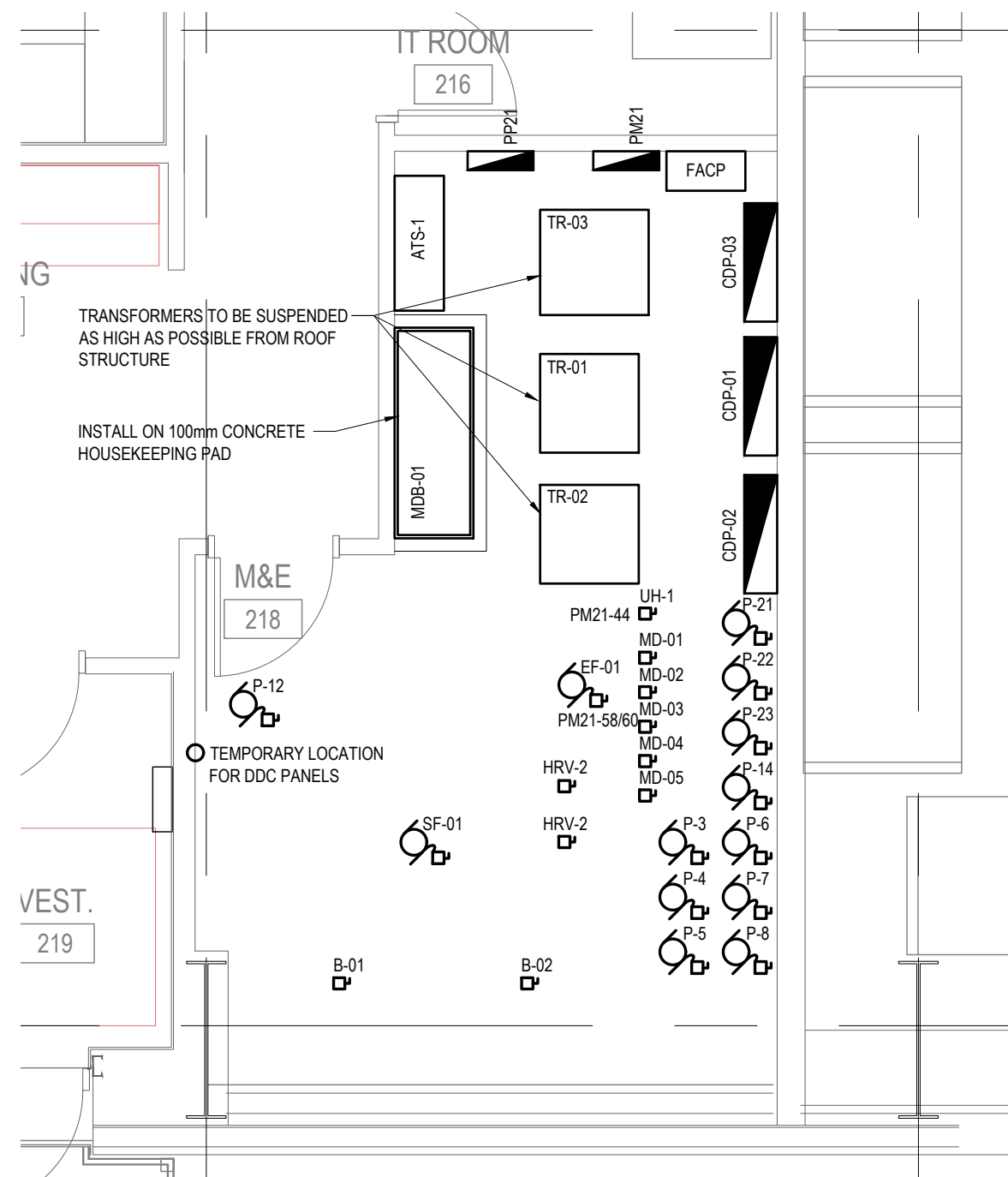
POWER GENERAL NOTES:

- UNITS OF MEASUREMENT ARE IN MM UNLESS OTHERWISE NOTED.
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE ARCHITECTURAL CEILING PLANS, MECHANICAL AND STRUCTURAL DRAWINGS.
- DIVISION 26 TO COORDINATE WITH THE MECHANICAL AND ARCHITECTURAL CONTRACTOR FOR THE LAYOUT OF POWER RECEPTACLES, SWITCHES AND PANELBOARDS AT SITE.
- REFER TO WIRING DEVICES AND ELECTRICAL EQUIPMENT INSTALLATION INSTRUCTIONS FOR MORE INFORMATION AND RECOMMENDATIONS.
- ALL POWER WIRING, BOXES AND CONDUITS ABOVE CEILING SHALL BE FULLY SUPPORTED AND CONNECTED WITH APPLICABLE CONNECTORS, ADAPTERS AND FITTINGS.
- ALL WIRING TO MAINTAIN ALLOWABLE CLEARANCE WITH OTHER SERVICES.
- REFER TO EQUIPMENT SCHEDULE FOR POWER INFORMATION.
- ALL WIRING DEVICES PROVIDED WITH APPLICABLE BOXES SUITABLE AS RECESSED OR SURFACE MOUNTED AS STATED.
- ALL RECEPTACLE BOXES TO BE FULLY SUPPORTED AND APPLIED WITH FIRE STOPPING MATERIAL AS REQUIRED.
- OBSERVE ALL RECEPTACLE BOXES CLEARANCE FROM THE SIDE WALL TO BE NOT LESS THAN 500MM AND ADJUST ACCORDINGLY.
- POWER WIRING FOR THE RECEPTACLE OUTLET TO BE MINIMUM #12AWG IN 21MM DIA. CONDUIT.
- SCHEDULING OF WORK IN EXISTING BUILDING SHALL BE COORDINATED WITH OWNER (THROUGH THE GENERAL CONTRACTOR) AND ARRANGED TO MINIMIZE DISRUPTIONS TO OWNERS OPERATION DURING NORMAL WORKING HOURS. ANY SHUTDOWN OR INTERRUPTION TO SYSTEM SHALL BE AT TIMES ACCEPTABLE AND APPROVED BY OWNER.
- DRY TYPE TRANSFORMERS TR-01, TR-02, AND TR-03 ARE TO BE SUSPENDED AT THE ROOF STRUCTURE. CONTRACTOR TO COORDINATE WITH STRUCTURAL ENGINEER.
- REFER TO MECHANICAL EQUIPMENT SCHEDULE ON DRAWING E700 FOR COMPLETE LIST OF CIRCUITRY ASSIGNED TO EQUIPMENT

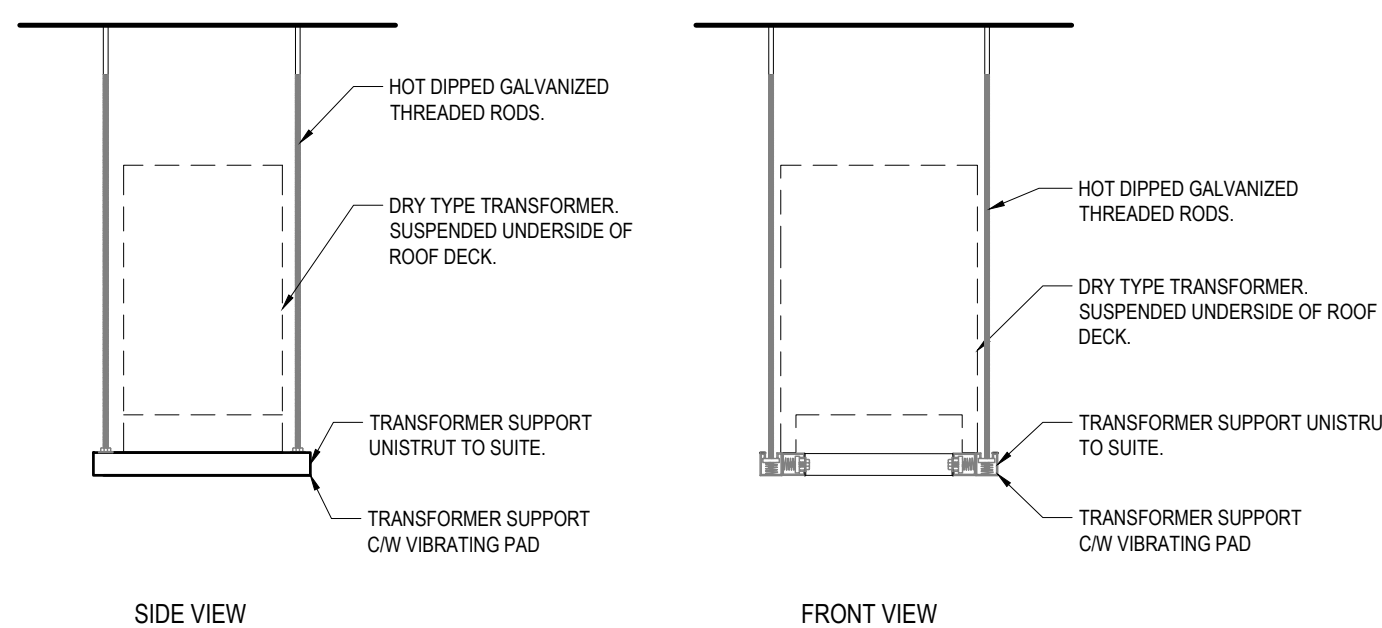
KEYNOTES:

- PROVIDE JUNCTION BOX AT THE CEILING SPACE FOR CONNECTION OF THE ROOF VENT. LOCATE EACH JUNCTION BOX ADJACENT TO THE CABLE TAIL OF THE FREEZE PROTECTION PLUMBING VENT STACK ARCTIC VENT. COORDINATE LOCATION WITH MECHANICAL DRAWINGS AND MECHANICAL TRADE PRIOR TO ROUGH-IN.
- PROVIDE 30C FROM FLOOR BOX TO ACCESSIBLE CEILING SPACE VIA A DOUBLE GANG LOW VOLTAGE DEVICE BRACKET FOR FUTURE AV CONNECTIONS. MOUNT DEVICE BRACKET ADJACENT TO TV OUTLET.
- MOUNT GFCI RECEPTACLE 250MM ABOVE SINK/COUNTER.

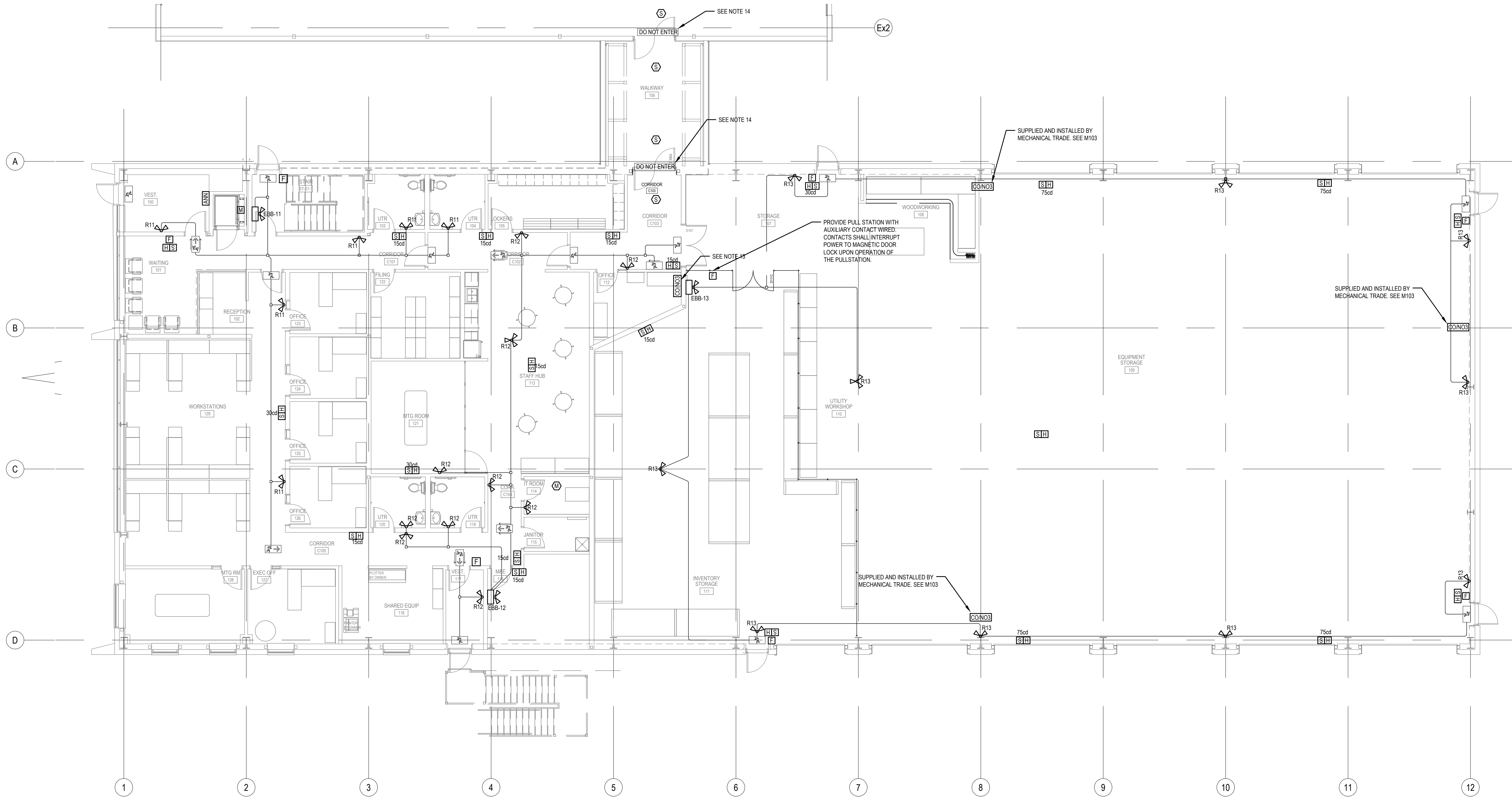
1 POWER SYSTEM - SECOND FLOOR
SCALE: 1: 100



2 211 M&E ROOM - POWER
SCALE: 1: 50



3 TRANSFORMER MOUNTING DETAIL
SCALE: N.T.S.



1 LIFE SAFETY SYSTEMS - FIRST FLOOR
SCALE: 1: 100

FIRE ALARM GENERAL NOTES:

1. UNITS OF MEASUREMENT ARE IN MM UNLESS OTHERWISE NOTED.
2. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE ARCHITECTURAL CEILING PLANS, MECHANICAL AND STRUCTURAL DRAWINGS.
3. DIVISION 26 TO COORDINATE WITH THE MECHANICAL AND ARCHITECTURAL CONTRACTOR FOR THE LAYOUT OF FIRE ALARM DEVICES AT SITE.
4. REFER TO FIRE ALARM DEVICES INSTALLATION INSTRUCTIONS FOR MORE INFORMATION AND RECOMMENDATIONS.
5. ALL FIRE ALARM WIRING, BOXES AND CONDUITS ABOVE CEILING SHALL BE FULLY SUPPORTED AND CONNECTED WITH APPLICABLE CONNECTORS, ADAPTERS AND FITTINGS.
6. ALL WIRING TO MAINTAIN ALLOWABLE CLEARANCE WITH OTHER SERVICES.
7. REFER TO RISER DIAGRAM FOR FIRE ALARM ZONING AND DISTRIBUTION.
8. ALL FIRE ALARM DEVICES PROVIDED WITH APPLICABLE HARDWARE ACCESSORIES AS REQUIRED.
9. ALL ABOVE REFLECTIVE CEILING PLAN FIRE ALARM DEVICES TO BE INDEPENDENTLY SUPPORTED FROM THE FALSE CEILING STRUCTURE.
10. OBSERVE ALL FIRE ALARM DEVICES CLEARANCE FROM THE SIDE WALL TO BE NOT LESS THAN 500MM AND ADJUST ACCORDINGLY.
11. ALL FIRE ALARM WIRES TO BE IN MINIMUM 21MM DIA. CONDUIT.
12. SCHEDULING OF WORK IN EXISTING BUILDING SHALL BE COORDINATED WITH OWNER (THROUGH THE GENERAL CONTRACTOR) AND ARRANGED TO MINIMIZE DISRUPTIONS TO OWNERS OPERATION DURING NORMAL WORKING HOURS. ANY SHUTDOWN OR INTERRUPTION TO SYSTEM SHALL BE AT TIMES ACCEPTABLE AND APPROVED BY OWNER.
13. ANNUNCIATE COIN02 DETECTOR ON FIRE ALARM PANEL. SUPPLIED AND INSTALLED BY MECHANICAL CONTRACTOR.
14. INTERCONNECT "DO NOT ENTER" SIGNS TO FIRE ALARM SYSTEM. THE "DO NOT ENTER SIGN" AT CORRIDOR C103 WILL ACTIVATE WHEN A SMOKE DETECTION IN THE EXISTING BUILDING. WHEREAS THE "DO NOT ENTER SIGN" AT THE EXISTING BUILDING WILL ACTIVATE WHEN A SMOKE DETECTION IN CORRIDOR C103.

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The general contractor and/or project manager shall verify dimensions and data noted herein with conditions on the site and is held responsible for reporting any discrepancy to the architect for adjustment. Do not scale the drawings.

CONSULTANTS



1800 BUFFALO PLACE
WINNIPEG, MANITOBA
CANADA R3T 1B8
PHONE 204-471-8800
WWW.WSPGROUP.COM

NOT FOR
CONSTRUCTION

PERMIT TO PRACTICE
WSP Canada Inc.
Signature: *[Signature]*
Date 2022-05-12
PERMIT NUMBER: P407
NTNU Association of Professional
Engineers and Geoscientists



PERMIT / STAMP

14	12/05/022	ISSUED FOR TENDER
13	28/04/022	ISSUED FOR PRE-TENDER CHECK SET
12	26/03/021	ISSUED FOR CLIENT REVIEW (100%)
11	24/02/021	ISSUED FOR REVIEW
10	17/02/021	ISSUED FOR CLIENT REVIEW (100%)
9	12/02/021	ISSUED FOR COORDINATION
8	05/02/021	ISSUED FOR COORDINATION
7	22/01/021	ISSUED FOR CLASS A ESTIMATE
6	15/01/021	ISSUED FOR COORDINATION
5	12/06/020	ISSUED FOR 95% REVIEW
4	03/11/020	ISSUED FOR OWNER REVIEW
3	03/05/020	ISSUED FOR REVIEW
2	12/20/019	ISSUED FOR REVIEW
1	11/29/019	ISSUED FOR 50% REVIEW

REV DATE DESCRIPTION

CLIENT

CITY OF IQALUIT
OPERATIONS CENTRE

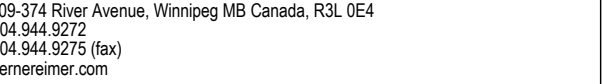
1549 FEDERAL ROAD
IQALUIT, NUNAVUT
X0A 0H0

CLIENT PROJECT NO. 820837

TITLE:
LIFE SAFETY SYSTEMS
FIRST FLOOR

SCALE: 1 : 100
PROJECT NUMBER: 2019.00800
DRAWN BY: ABL

EY10



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ASIP

10 BUFFALO PLACE
WINNIPEG, MANITOBA
CANADA R3T 6B8
PHONE: 204-477-8650
WWW.SPGRUP.COM

PERMIT TO PRACTICE
WSP Canada Inc.

Signature _____
Date 2022-05-12

PERMIT NUMBER: P407
NT/NU Association of Professional
Engineers and Geoscientists



May 12, 2022

PERMIT / STAMP

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12	26/03/021	ISSUED FOR CLIENT REVIEW (100%)
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4	03/11/020	ISSUED FOR OWNER REVIEW
3	03/05/020	ISSUED FOR REVIEW
2	12/20/019	ISSUED FOR REVIEW
1	11/29/019	ISSUED FOR 50% REVIEW

CLIENT

CITY OF IQALUIT
OPERATIONS CENTRE

549 FEDERAL ROAD
QALUIT, NUNAVUT
X0A 0H0

CLIENT PROJECT NO. 820837

LIFE SAFETY SYSTEMS
SECOND FLOOR

SCALE: 1 : 100
PROJECT NUMBER: 2019.00800
DRAWN BY: ABL

EY20

PANEL DESIGNATION:	PL11							FED FROM:	CDP-01
120/208V 3PH 4W	LOCATION:							LOCATION:	218 M&E ROOM
225A MAINS	MOUNTING:							POWER:	NORMAL
								MAIN BREAKER:	100A-3P
DESCRIPTION	LOAD	Brkr.	Cct	A	B	C	Cct	Brkr.	LOAD
LTG 117 / 118 / 127 / 128	4.09	20A1P	1	6.48			2	20A	2.38
LTG 129	4.10	20A	3		8.61		4	20A	4.51
SPARE		20A	5			2.45	6	20A	2.45
LTG 123 / 124 / 125 / 126	2.73	20A	7	4.70			8	20A	1.97
LTG 121 / 122	2.38	20A	9		3.04		10	20A	0.67
SPARE		20A	11			2.82	12	20A	2.82
SPARE		20A	13	0.05			14	20A	0.05
LTG EXT 17 type 31 /4	3.68	20A	15		3.68		16	20A	
SPARE		15A	17				18	15A	
		15A	19				20	15A	
		15A	21				22	15A	
		15A	23				24	15A	
		15A	25				26	15A	
		15A	27				28	15A	
		15A	29				30	15A	
		15A	31				32	15A	
		15A	33				34	15A	
		15A	35				36	15A	
		15A	37				38	15A	
		15A	39				40	15A	
		15A	41				42	15A	
				11.22	15.33	5.27			
NOTES:									
1. PANEL TO BE 120/208 VOLT, 3Ø, 4 WIRE, SURFACE MOUNTED, & SPRINKLER-PROOF.									
2. PANELBOARD TO BE FULL SIZE BREAKER TYPE, C/W MAIN BREAKER AND LOCKABLE DOOR.									

PANEL DESIGNATION:	PP11							FED FROM:	CDP-01
120/208V 3PH 4W	LOCATION:							LOCATION:	218 M&E ROOM
225A MAINS	MOUNTING:							POWER:	NORMAL
								MAIN BREAKER:	200A
Description	LOAD	Brkr.	Cct	A	B	C	Cct	Brkr.	LOAD
PLOTTER	6	20A1P	1	18			2	15A1P	12
PRINTER	6	20A1P	3		18		4	15A1P	12
SPARE		15A1P	5			12	6	15A1P	12
SPARE		15A1P	7	12			8	15A1P	12
127 EXEC	9	15A1P	9		21		10	15A1P	12
128 MTG	12	15A1P	11			12	12	15A1P	
126 MTG - FLOOR	3	15A1P	13	3			14	15A1P	
129 WK STNS	9	15A1P	15		18		16	20A1P	9
129 WK STNS	9	15A1P	17			18	18	15A1P	9
129 WK STNS	9	15A1P	19	18			20	15A1P	9
129 WK STNS	9	15A1P	21		18		22	15A1P	9
129 WK STNS	4.5	15A1P	23			13.5	24	15A1P	9
102 RECEPTION	9	15A1P	25	21			26	20A1P	12
MECHANICAL ROOM REC.		15A1P	27		12		28	20A1P	12
SPARE		15A1P	29			9	30	15A1P	9
SPARE		15A1P	31	9			32	15A1P	9
SPARE		15A1P	33				34	15A1P	
SPARE		15A1P	35				36	15A1P	
SPARE		15A1P	37				38	15A1P	
114 IT - EQUIPMENT	20	30A1P	39		32		40	15A1P	12
114 IT - EQUIPMENT	20	30A1P	41			28	42	15A1P	8
HEATER RECEPTACLE	20A1P GFCI	43	8.13				44	15A1P	
HEATER RECEPTACLE	SPARE	45		8.13			46	15A1P	
HEATER RECEPTACLE	20A1P GFCI	47				8.13	48	15A1P	
HEATER RECEPTACLE	SPARE	49	8.13				50	15A1P	
HEATER RECEPTACLE	20A1P GFCI	51		16.26			52	20A2P GFCI	
HEATER RECEPTACLE	SPARE	53			16.26		54	20A2P GFCI	
HEATER RECEPTACLE	20A1P GFCI	55	16.26				56	20A2P GFCI	
HEATER RECEPTACLE	SPARE	57		16.26			58	20A2P GFCI	
HEATER RECEPTACLE	20A1P GFCI	59			16.26		60	20A1P GFCI	
				113.52	159.65	133.15			
NOTES:									
1. PANEL TO BE 120/208 VOLT, 3Ø, 4 WIRE, SURFACE MOUNTED, & SPRINKLER-PROOF.									
2. PANELBOARD TO BE FULL SIZE BREAKER TYPE, C/W MAIN BREAKER AND LOCKABLE DOOR.									

PANEL DESIGNATION:	PL12							FED FROM:	CDP-01
120/208V 3PH 4W	LOCATION:							LOCATION:	211 M+E ROOM
225A MAINS	MOUNTING:							POWER:	NORMAL
								MAIN BREAKER:	100A-3P
Description	LOAD	Brkr.	Cct	A	B	C	Cct	Brkr.	LOAD
LTG - 111 - 9 type DD8	7.8	20A	1	10.38			2	20A	2.58
LTG - 109 - 10 type DD8	8.7	20A	3		8.67		4	20A	
LTG - 109 - 6 type DD8	5.2	20A	5			5.20	6	20A	
LTG - 109 - 2 type D	1.7	20A	7	1.73			8	20A	
SPARE		20A	9				10	20A	
SPARE		20A	11				12	20A	
SPARE		20A	13				14	20A	
SPARE		20A	15				16	20A	
		15A	17				18	15A	
		15A	19				20	15A	
		15A	21				22	15A	
		15A	23				24	15A	
		15A	25				26	15A	
		15A	27				28	15A	
		15A	29				30	15A	
		15A	31				32	15A	
		15A	33				34	15A	
		15A	35				36	15A	
		15A	37				38	15A	
		15A	39				40	15A	
		15A	41				42	15A	
				12.11	8.67	5.20			
NOTES:									
1. PANEL TO BE 120/208 VOLT, 3Ø, 4 WIRE, SURFACE MOUNTED, & SPRINKLER-PROOF.									
2. PANELBOARD TO BE FULL SIZE BREAKER TYPE, C/W MAIN BREAKER AND LOCKABLE DOOR.									

PANEL DESIGNATION:	PP12							FED FROM:	CDP-01
120/208V 3PH 4W	LOCATION:							LOCATION:	218 M+E RM
225A MAINS	MOUNTING:							POWER:	NORMAL
								MAIN BREAKER:	200A-3P
Description	LOAD	Brkr.	Cct	A	B	C	Cct	Brkr.	LOAD
109 EQ STORAGE	6	20A1P	1	12			2	20A1P	6
109 EQ STORAGE	6	20A1P	3		12		4	20A1P	6
110 UTILITY WORKSHOP	3	20A1P	5			9	6	20A1P	6
110 UTILITY WORKSHOP	3	20A1P	7	11			8	20A1P	8
110 UTILITY WORKSHOP	3	20A1P	9		11		10	20A1P	8
111 INVENTORY STORAGE	3	20A1P	11			11	12	20A1P	8
UH-3	0.65	15A1P	13	16.52			14	20A1P	15.87
UH-4	0.65	15A1P	15		16.52		16	20A1P	15.87
UH-5	0.65	15A1P	17			16.52	18	20A1P	15.87
UH-6	0.65	15A1P	19	16.52			20	20A1P	15.87
UH-7	0.65	15A1P	21		16.52		22	20A1P	15.87
UH-8	0.65	15A1P	23			16.52	24	20A1P	15.87
UH-9	0.65	15A1P	25	16.52			26	20A1P	15.87
UH-10	0.65	15A1P	27		16.52		28	20A1P	15.87
UH-11	0.65	15A1P	29			16.52	30	20A1P	15.87
UH-12	0.65	15A1P	31	16.52			32	20A1P	15.87
UH-13	0.65	15A1P	33		0.65		34		
MD-09	5	15A1P	35			5	36		
MD-10	5	15A1P	37	5			38	15A1P	
P-15	13.8	15A1P	39		19.3		40	15A1P	5.5
P-16	13.8	15A1P	41			19.3	42	15A1P	5.5
P-17	13.8	15A1P	43	13.8			44	15A1P	
P-18	13.8	15A1P	45		13.8		46		
P-19	13.8	15A1P	47			13.8	48	15A2P	
P-20	13.8	15A1P	49	13.8			50	15A1P	
SPARE		15A1P	51				52	15A1P	
SPARE		15A1P	53				54	15A1P	
SPARE		15A1P	55				56	15A1P	
SPARE		15A1P	57				58	15A1P	
SPARE		15A1P	59				60	15A-1P	
				121.68	106.31	107.66			
NOTES:									
1. PANEL TO BE 120/208 VOLT, 3Ø, 4 WIRE, SURFACE MOUNTED, & SPRINKLER-PROOF.									
2. PANELBOARD TO BE FULL SIZE BREAKER TYPE, C/W MAIN BREAKER AND LOCKABLE DOOR.									

PANEL DESIGNATION:		PM11					FED FROM:		CDP-03	
120/208 VOLT, 3 PHASE, 4 WIRE		LOCATION:		SHARED EQUIP			LOCATION:		2ND FLR M+E ROOM	
225 AMPS BUS		MOUNTING:		RECESSED			POWER:		NORMAL	
							MAIN BREAKER:		200A C/B	
Description	LOAD	Brkr.	cct	A	B	C	cct	Brkr.	LOAD	Description
DWH-1	9.6	15A1P	1	19.4			2	15A1P	9.8	EF-01
			3		1.2		4	15A1P	1.2	FF-1
DWH-2	9.6	15A1P	5			10.8	6	15A1P	1.2	FF-2
			7	1.2			8	15A1P	1.2	FF-3
P-1	8.8	15A2P	9		9.43		10	15A1P	0.63	UH-2
	8.8		11			18.6	12	15A1P	9.8	FFTU-11
P-2	8.8	15A2P	13	18.6			14	15A1P	9.8	FFTU-12
	8.8		15		18.6		16	15A1P	9.8	FFTU-13
MD-07	5	15A1P	17			14.8	18	15A1P	9.8	FFTU-14
DDC FILED CONTROL	8	15A1P	19	17.8			20	15A1P	9.8	WC-02
EP-01	5	25A1P	21		14.8		22	15A1P	9.8	WC-03
EP-02	5	25A1P	23			14.8	24	15A1P	9.8	WC-04
SPARE		15A1P	25	9.8			26	15A1P	9.8	WC-05
SPARE		15A1P	27				28	15A1P		SPARE
DWH-3	9.6	15A1P	29				30	15A1P		SPARE
		-	31				32	15A1P		SPARE
DWH-4	9.6	15A1P	33				34	15A1P		SPARE
			35				36	15A1P		SPARE
SPARE		15A1P	37				38	15A1P		SPARE
SPARE		15A1P	39				40	15A1P		SPARE
SPARE		15A1P	41				42	15A1P		SPARE
SPARE		15A1P	43				44	15A1P		SPARE
SPARE		15A1P	45				46	15A1P		SPARE
SPARE		15A1P	47				48	15A1P		SPARE
SPARE		15A1P	49				50	15A1P		SPARE
SPARE		15A1P	51				52	15A1P		SPARE
SPARE		15A1P	53				54	15A1P		SPARE
SPARE		15A1P	55				56	15A1P		SPARE
SPARE		15A1P	57				58	15A1P		SPARE
SPARE		15A1P	59				60	15A1P		SPARE
				78.4	44.03	68.6				

NOTES:

1. PANEL TO BE 120/208 VOLT, 3Ø, 4 WIRE, RECESSED MOUNTED, & SPRINKLER-PROOF.

2. PANELBOARD TO BE FULL SIZE BREAKER TYPE, C/W MAIN BREAKER AND LOCKABLE DOOR.

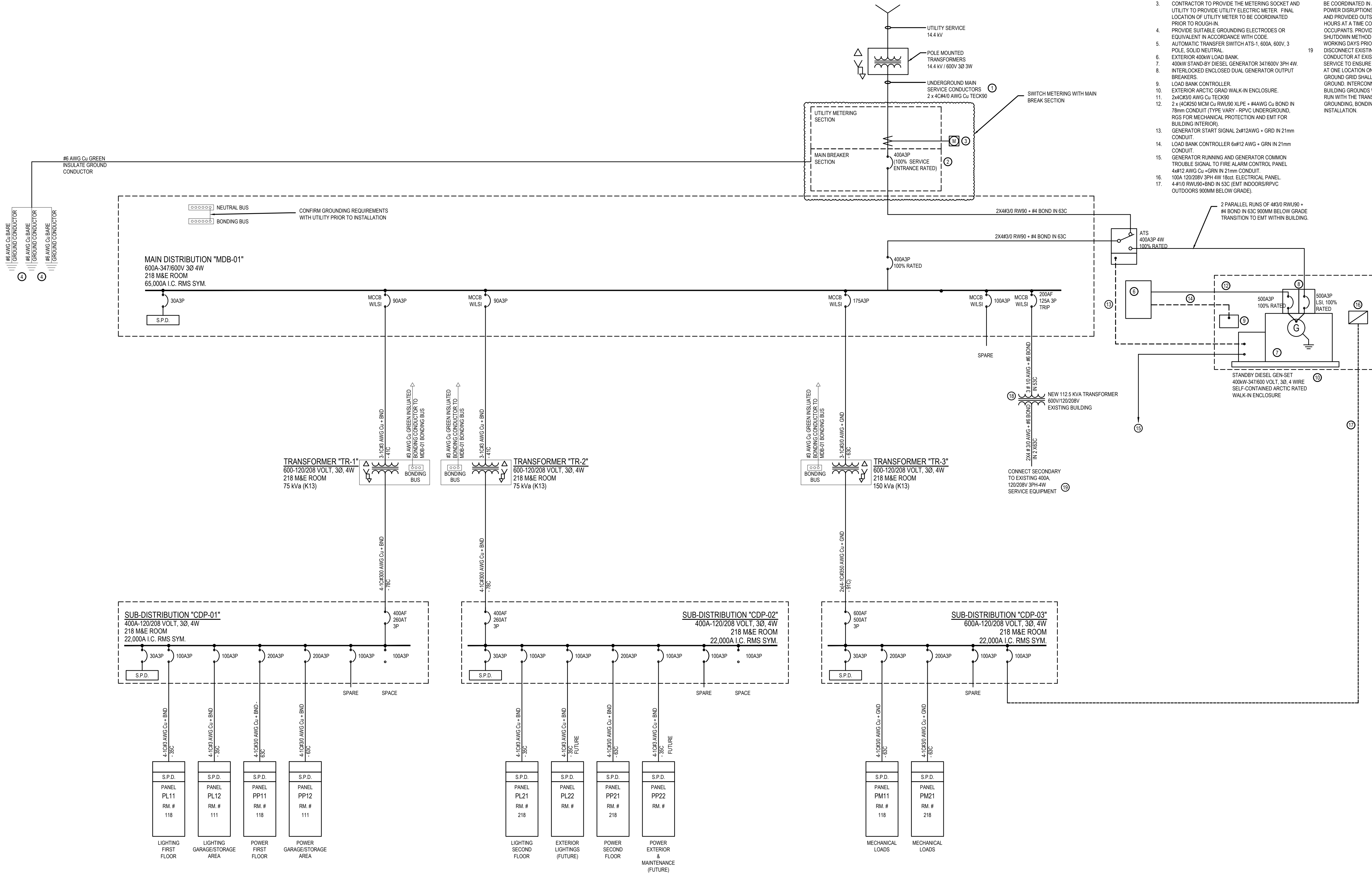
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9	12/02/21	ISSUED FOR COORDINATION
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7	22/01/21	ISSUED FOR CLASS A ESTIMATE
6	15/01/21	ISSUED FOR COORDINATION
5	12/06/20	ISSUED FOR 95% REVIEW
4	03/11/20	ISSUED FOR OWNER REVIEW
3	03/05/20	ISSUED FOR REVIEW
2	12/20/19	ISSUED FOR REVIEW
1	11/29/019	ISSUED FOR 50% REVIEW
REV	DATE	DESCRIPTION

GENERAL NOTES:

- CONTRACTOR TO COORDINATE THE NEW ELECTRICAL SERVICE TO THE ELECTRICAL UTILITY COMPANY.
- GROUNDING INSTALLATIONS SHALL BE IN CONFORMANCE WITH SECTION 10 OF THE LATEST EDITION OF THE CANADIAN ELECTRICAL CODE
- ELECTRICAL EQUIPMENT MAY NOT BE ORDERED UNTIL THE SHOP DRAWINGS ARE APPROVED BY CONSULTANT.
- BONDING CONDUCTORS AND BONDING JUMPERS SHALL BE BASED FROM TABLE 16 OF THE LATEST EDITION OF THE CANADIAN ELECTRICAL CODE.
- PROVIDE A SEPARATE PRICING FOR GENERATOR INSTALLATION INCLUDING ATS AND LOAD BANK.

KEYNOTES:

- NEW MAIN ELECTRICAL SERVICE CONDUCTORS.
- MAIN CIRCUIT BREAKER TO BE SERVICE ENTRANCE RATED. LOCATED IN 116 M&E ROOM MAIN FLOOR.
- CONTRACTOR TO PROVIDE THE METERING SOCKET AND UTILITY TO PROVIDE UTILITY ELECTRIC METER. FINAL LOCATION OF UTILITY METER TO BE COORDINATED PRIOR TO ROUGH-IN.
- PROVIDE SUITABLE GROUNDING ELECTRODES OR EQUIVALENT IN ACCORDANCE WITH CODE.
- AUTOMATIC TRANSFER SWITCH ATS-1, 600A, 600V, 3 POLE, SOLID NEUTRAL.
- EXTERIOR 400kW LOAD BANK.
- 400kW STANDBY DIESEL GENERATOR 347600V 3PH 4W.
- INTERLOCKED ENCLOSED DUAL GENERATOR OUTPUT BREAKERS.
- LOAD BANK CONTROLLER.
- EXTERIOR ARCTIC GRAD WALK-IN ENCLOSURE.
- 2x4C30 AWG Cu TEC90.
- 2 x 4C250 MCM Cu RWU90 XLPE + #4AWG Cu BOND IN 75mm CONDUIT (TYPE VARY - RPVC UNDERGROUND, RGS FOR MECHANICAL PROTECTION AND EMT FOR BUILDING INTERIOR).
- GENERATOR START SIGNAL 2x#12AWG + GRD IN 21mm CONDUIT.
- LOAD BANK CONTROLLER 6x#12 AWG + GRN IN 21mm CONDUIT.
- GENERATOR RUNNING AND GENERATOR COMMON TROUBLE SIGNAL TO FIRE ALARM CONTROL PANEL 4x#12 AWG Cu + GRN IN 21mm CONDUIT.
- 100A 120/208V 3PH 4W 180c ELECTRICAL PANEL 4x#10 RWU90-BND IN 33c EMT INDOORS/RPVC OUTDOORS 900MM BELOW GRADE).
- CONFIRM TRANSFORMER LOCATION WITH EXISTING CONDITIONS. COORDINATE SEQUENCE OF WORK WITH UTILITY AND BUILDING OCCUPANTS. ALL SYSTEMS SHUTDOWNS REQUIRED FOR THIS INSTALLATION SHALL BE COORDINATED IN ADVANCE WITH THE OWNER. POWER DISRUPTIONS SHALL BE KEPT TO A MINIMUM AND PROVIDED OUTSIDE OF REGULAR WORKING HOURS AT A TIME CONVENIENT TO THE BUILDING OCCUPANTS. PROVIDE, IN WRITING, A POWER SHUTDOWN METHOD OF PROCEDURE NO LESS THAN 10 WORKING DAYS PRIOR TO THE SCHEDULED SHUTDOWN.
- DISCONNECT EXISTING NEUTRAL GROUNDING CONDUCTOR AT EXISTING BUILDING ELECTRICAL SERVICE TO ENSURE THAT THE NEUTRAL IS GROUNDED AT ONE LOCATION ONLY. THE EXISTING BUILDING GROUND GRID SHALL REMAIN AS AN EQUIPOTENTIAL GROUND. INTERCONNECT THE EXISTING AND NEW BUILDING GROUNDS WITH BONDING CONDUCTORS RUN WITH THE TRANSFORMER FEEDERS. VERIFY ALL GROUNDING, BONDING WITH THE UTILITY PRIOR TO INSTALLATION.



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WSP Canada Inc.
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Date 2022-05-12
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May 12, 2022

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OPERATIONS CENTRE

1549 FEDERAL ROAD
IQALUIT, NUNAVUT
X0A 0H0

CLIENT PROJECT NO. 820837

TITLE:
SCHEDULES - LUMINAIRES / MOTOR
CONTROL

SCALE: N.T.S.
PROJECT NUMBER: 2019.00800
DRAWN BY: ES

E700

MOTOR EQUIPMENT SCHEDULE

TAG	DESCRIPTION/SERVICE	LOCATION	HP/KW/AMP	VOLTS/PHASE	CIRCUITING					WINTER OPERATION (YES / NO)	SUMMER OPERATION (YES / NO)	FA SHUT DOWN	DRIVE ISO. XTM#	Remarks
					VFD	FVNR	PL	SUPPLY BY	DISCONNECT	PANEL SOURCE	OCB	WIRE	CONDUIT	
B-1	BOILER 1 - CONTROLS	MECH. ROOM 2nd FLOOR	FRAC	120V/1	-	-	-	-	E	PM21-1	15A1P	2#12AWG + GND	21mm	CONTROLS FOR GAS FIRED BOILER
B-2	BOILER 1 - BURNER	MECH. ROOM 2nd FLOOR	0.125 HP	120V/1	-	-	-	-	E	PM21-3	15A1P	2#12AWG + GND	21mm	PROVIDE DISCONNECT SWITCH AT ENTRANCE TO BOILER ROOM
	BOILER 2 - CONTROLS	MECH. ROOM 2nd FLOOR	FRAC	120V/1	-	-	-	-	E	PM21-5	15A1P	2#12AWG + GND	21mm	CONTROLS FOR GAS FIRED BOILER
	BOILER 2 - BURNER	MECH. ROOM 2nd FLOOR	0.125 HP	120V/1	-	-	-	-	E	PM21-7	15A1P	2#12AWG + GND	21mm	PROVIDE DISCONNECT SWITCH AT ENTRANCE TO BOILER ROOM
DWH-1	DOMESTIC ELECTRIC WATER HEATER	MAIN FLOOR WC	1.44 kW/12A	120V/1	-	-	-	-	E	PM11-1	15A1P	2#12AWG + GND	21mm	PACKAGED CONTROLS
DWH-2	DOMESTIC ELECTRIC WATER HEATER	MAIN FLOOR STAFF	1.44 kW/12A	120V/1	-	-	-	-	E	PM11-5	15A1P	2#12AWG + GND	21mm	PACKAGED CONTROLS
DWH-3	DOMESTIC ELECTRIC WATER HEATER	MAIN FLOOR WC	1.44 kW/12A	120V/1	-	-	-	-	E	PM11-29	15A1P	2#12 AWG + GND	21mm	PACKAGED CONTROLS
DWH-4	DOMESTIC ELECTRIC WATER HEATER	MAIN FLOOR JANITOR	1.44 kW/12A	120V/1	-	-	-	-	E	PM11-33	15A1P	2#12 AWG + GND	21mm	PACKAGED CONTROLS
HRV-1	HEAT RECOVERY UNIT	MECH. ROOM 2nd FLOOR	8.3MCA	208V/1					E	PM21-19.21	20A2P	2#12 AWG + GND	21mm	PROVIDE DUCT TYPE SMOKEDETECTOR AND FIRE ALARM RELAY MODULE
HRV-2	HEAT RECOVERY UNIT	MECH. ROOM 2nd FLOOR	8.3 MCA	208V/1					E	PM21-25-27	20A2P	2#12 AWG + GND	21mm	PROVIDE DUCT TYPE SMOKEDETECTOR AND FIRE ALARM RELAY MODULE
SF-1	SUPPLY FAN AMBIENT COOLING	MECH. ROOM 2nd FLOOR	5 HP/16.7A	208V/3					E	PM21-31.33.35	30A3P	2#10 AWG + GND	21mm	PROVIDE DUCT TYPE SMOKEDETECTOR AND FIRE ALARM RELAY MODULE
P-1	DOMESTIC WATER BOOSTER PUMP	MECH. ROOM MAIN FLOOR	1.0 HP/8.8A	208V/1				E	E	PM11-19.21	15A2P	2#12AWG + GND	21mm	REDUNDANT DUPLEX
P-2	DOMESTIC WATER BOOSTER PUMP	MECH. ROOM MAIN FLOOR	1.0 HP/8.8A	208V/1				E	E	PM11-23.25	15A2P	2#12AWG + GND	21mm	REDUNDANT DUPLEX
P-3	HEATING WATER LOOP PUMP-MAIN	MECH. ROOM 2nd FLOOR	1.67A	120V/1				E	E	PM21-23	15A1P	2#12AWG + GND	21mm	
P-4	HEATING WATER LOOP PUMP-MAIN	MECH. ROOM 2nd FLOOR	1.67A	120V/1				E	E	PM21-29	15A1P	2#12AWG + GND	21mm	
P-5	HEATING WATER LOOP PUMP-SECOND	MECH. ROOM 2nd FLOOR	1.67A	120V/1				E	E	PM21-37	15A1P	2#12AWG + GND	21mm	
P-6	HEATING WATER LOOP PUMP-SECOND	MECH. ROOM 2nd FLOOR	1.67A	120V/1				E	E	PM21-39	15A1P	2#12AWG + GND	21mm	
P-7	HEATING WATER LOOP PUMP-GARAGE/STORAGE	MECH. ROOM 2nd FLOOR	1.67A	120V/1				E	E	PM21-41	15A1P	2#12AWG + GND	21mm	
P-8	HEATING WATER LOOP PUMP-GARAGE/STORAGE	MECH. ROOM 2nd FLOOR	1.67A	120V/1				E	E	PM21-43	15A1P	2#12AWG + GND	21mm	
P-9	BOILER PUMP	MECH. ROOM 2nd FLOOR	3.09A	120V/1				E	E	PM21-22	15A1P	2#12AWG + GND	21mm	
P-10	BOILER PUMP	MECH. ROOM 2nd FLOOR	3.09A	120V/1				E	E	PM21-24	15A1P	2#12AWG + GND	21mm	
P-11	HWS Glycol Fill Station Pump (GFT-1)	MECH. ROOM 2nd FLOOR	0.7A	120V/1				E	E	PM21-26	15A1P	2#12AWG + GND	21mm	
P-12	FUEL OIL TRANSFER PUMP CONTROL	MECH. ROOM 2nd FLOOR	FRAC	120V/1						PM21-17	15A1P	2#12 AWG + GND	21mm	
P-13	FUEL OIL TRANSFER PUMP	NEAR FUEL TANK	1/4 HP/9.5A	120V/1						PP12-40	15A1P	2#12AWG + GND	21mm	LOCATED OUTSIDE AT NORTH-EAST CORNER OF THE BUILDING
P-14	FUEL OIL TRANSFER PUMP	NEAR FUEL TANK	1/4 HP/9.5A	120V/1						PP12-42	15A1P	2#12AWG + GND	21mm	LOCATED OUTSIDE AT NORTH-EAST CORNER OF THE BUILDING
P-15	FLOOR DRAIN PUMP	GARAGE FLOOR	FR HP .21 FLA	120V/1				E	E	PP12-39	15A1P	2#12 AWG + GND	21mm	
P-16	FLOOR DRAIN PUMP	GARAGE FLOOR	FR HP .21 FLA	120V/1				E	E	PP12-41	15A1P	2#12 AWG + GND	21mm	
P-17	FLOOR DRAIN PUMP	GARAGE FLOOR	FR HP .21 FLA	120V/1				E	E	PP12-43	15A1P	2#12 AWG + GND	21mm	
P-18	FLOOR DRAIN PUMP	GARAGE FLOOR	FR HP .21 FLA	120V/1				E	E	PP12-45	15A1P	2#12 AWG + GND	21mm	
P-19	FLOOR DRAIN PUMP	GARAGE FLOOR	FR HP .21 FLA	120V/1				E	E	PP12-47	15A1P	2#12 AWG + GND	21mm	
P-20	FLOOR DRAIN PUMP	GARAGE FLOOR	FR HP .21 FLA	120V/1				E	E	PP12-49	15A1P	2#12 AWG + GND	21mm	
P-21	AHU COIL PUMP	MECH. ROOM 2nd FLOOR	1.01A	120V/1				E	E	PM21-48	15A1P	2#12 AWG + GND	21mm	
P-22	AHU COIL PUMP	MECH. ROOM 2nd FLOOR	1.01A	120V/1				E	E	PM21-50	15A1P	2#12 AWG + GND	21mm	
P-23	AHU COIL PUMP	MECH. ROOM 2nd FLOOR	1.01A	120V/1				E	E	PM21-52	15A1P	2#12 AWG + GND	21mm	
P-24	AHU COIL PUMP	MECH. ROOM 2nd FLOOR	1.01A	120V/1				E	E	PM21-54	15A1P	2#12 AWG + GND	21mm	
EP-01	EFFLUENT PUMP	BELOW SINK MAIN FLOOR	1/2HP/12FLA	120V/1				E	E	PM11-21	25A1P	2#12AWG + GND	21mm	UNIT SUPPLIED C/W SIMPLEX CONTROLLER AND 25FT CORD PROVIDE
EP-02	EFFLUENT PUMP	BESIDE JANITOR SINK MFLR	1/2HP/12FLA	120V/1				E	E	PM11-23	25A1P	2#12AWG + GND	21mm	POWER TO CONTROLLER. MAKE FINAL CONNECTION TO PUMP CORD TO CONTROLLER
EF-02	EXHAUST FAN - LOCAL	GARAGE - STORAGE AREA	3/4HP/17 AFLA	208V/1				E	E	PP12-46/48	20A2P	2#12 AWG + GND	21mm	PROVIDE FIRE ALARM RELAY MODULE
EF-01	EXHAUST FAN - LOCAL	MECH. ROOM 2nd FLOOR	2HP/13.2FLA	208V/1				E	E	PM21-58/60	30A2P	2#10 AWG + GND	21mm	PROVIDE FIRE ALARM RELAY MODULE
FF-1	HYDRONIC FORCE FLOW	MAIN ENTRANCE	1.2A	120V/1				E	E	PM11-4	15A1P	2#12AWG + GND	21mm	
FF-2	HYDRONIC FORCE FLOW	EXIT CORRIDOR MAIN FLOOR	1.2A	120V/1				E	E	PM11-6	15A1P	2#12AWG + GND	21mm	PROVIDED KEYED SWITCH UP 1500MM IN VESTIBULE ADJACENT TO UNIT
FF-3	HYDRONIC FORCE FLOW	STAIRWELL MAIN FLOOR	1.2A	120V/1				E	E	PM11-8	15A1P	2#12AWG + GND	21mm	PROVIDED KEYED SWITCH UP 1500MM IN VESTIBULE ADJACENT TO UNIT
FF-4	HYDRONIC FORCE FLOW	EXIT CORRIDOR 2ND FLOOR	1.2A	120V/1				E	E	PM21-4	15A1P	2#12 AWG + GND	21mm	PROVIDED KEYED SWITCH UP 1500MM IN VESTIBULE ADJACENT TO UNIT
UH-1	HYDRONIC UNIT HEATER	MECH. ROOM 2nd FLOOR	0.63A	120V/1				E	E	PM21-44	15A1P	2#12AWG + GND	21mm	PROVIDED KEYED SWITCH UP 1500MM IN VESTIBULE ADJACENT TO UNIT
UH-2	HYDRONIC UNIT HEATER	ELECTRICAL ROOM MAIN FLR	0.63A	120V/1				E	E	PM11-10	15A1P	2#12AWG + GND	21mm	
UH-3	HYDRONIC UNIT HEATER	GARAGE	0.63A	120V/1				E	E	PP12-13	15A1P	2#12 AWG + GND	21mm	
UH-4	HYDRONIC UNIT HEATER	GARAGE	0.63A	120V/1				E	E	PP12-15	15A1P	2#12 AWG + GND	21mm	
UH-5	HYDRONIC UNIT HEATER	GARAGE	0.63A	120V/1				E	E	PP12-17	15A1P	2#12 AWG + GND	21mm	
UH-6	HYDRONIC UNIT HEATER	GARAGE	0.63A	120V/1				E	E	PP12-19	15A1P	2#12 AWG + GND	21mm	
UH-7	HYDRONIC UNIT HEATER	GARAGE	0.63A	120V/1				E	E	PM12-21	15A1P	2#12 AWG + GND	21mm	
UH-8	HYDRONIC UNIT HEATER	GARAGE	0.63A	120V/1				E	E	PP12-23	15A1P	2#12 AWG + GND	21mm	
UH-9	HYDRONIC UNIT HEATER	GARAGE	0.63A	120V/1				E	E	PP12-25	15A1P	2#12 AWG + GND	21mm	
UH-10	HYDRONIC UNIT HEATER	GARAGE	0.63A	120V/1				E	E	PP12-27	15A1P	2#12 AWG + GND	21mm	
UH-11	HYDRONIC UNIT HEATER	GARAGE	0.63A	120V/1				E	E	PP12-29	15A1P	2#12 AWG + GND	21mm	
UH-12	HYDRONIC UNIT HEATER	GARAGE	0.63A	120V/1				E	E	PP12-31	15A1P	2#12 AWG + GND	21mm	
UH-13	HYDRONIC UNIT HEATER	GARAGE	0.63A	120V/1				E	E	PP12-33	15A1P	2#12 AWG + GND	21mm	
DDC	POWER CIRCUIT FOR FIELD CONTROLS	MAIN FLOOR	TBD	120V/1	-	-	-	-	-	PM11-19	15A1P	2#12AWG + GND	21mm	
DDC	POWER CIRCUIT FOR FIELD CONTROLS	2ND FLOOR	TBD	120V/1	-	-	-	-	-	PM21-42	15A1P	2#12AWG + GND	21mm	
DDC PANELS	POWER FOR DDC PANEL	MECH. ROOM 2nd FLOOR	TBD	120V/1	-	-	-	-	-	PM11-25	15A1P	2#12AWG + GND	21mm	
FPTU-11	VAV FAN UNIT	MAIN FLOOR CEILING	1/3 HP/ 4.9FLA	120V/1				E	E	PM11-12	15A1P	2#12AWG + GND	21mm	
FPTU-12	VAV FAN UNIT	MAIN FLOOR CEILING	1/2 HP/ 7.3A	120V/1				E	E	PM11-14	15A1P	2#12AWG + GND	21mm	
FPTU-13	VAV FAN UNIT	MAIN FLOOR CEILING	1/2 HP/ 7.3A	120V/1				E	E	PM11-16	15A1P	2#12AWG + GND	21mm	
FPTU-14	VAV FAN UNIT	MAIN FLOOR CEILING	1/2 HP/ 7.3A	120V/1				E	E	PM11-18	15A1P	2#12 AWG + GND	21mm	
FPTU-21	VAV FAN UNIT	2ND FLOOR CEILING	1/2 HP/ 4.9A	120V/1				E	E	PM21-6	15A1P	2#12 AWG + GND	21mm	
FPTU-22	VAV FAN UNIT	2ND FLOOR CEILING	1/2 HP/ 4.9A	120V/1				E	E	PM21-14	15A1P	2#12 AWG + GND	21mm	
FPTU-23	VAV FAN UNIT	2ND FLOOR CEILING	1/2 HP/ 4.9A	120V/1				E	E	PM21-16	15A1P	2#12 AWG + GND	21mm	
FPTU-24	VAV FAN UNIT	2ND FLOOR CEILING	1/2 HP/ 4.9A	120V/1				E	E	PM21-18	15A1P	2#12 AWG + GND	21mm	
FPTU-29	VAV FAN UNIT	2ND FLOOR CEILING	1/2 HP/ 4.9A	120V/1				E	E	PM21-46	15A1P	2#12 AWG + GND	21mm	
MD-01	MOTORIZED DAMPER - BUILDING EXHAUST	MECH. ROOM 2nd FLOOR	5W	24V						PM21-28	15A1P	2#12 AWG + GND	21mm	120V 1P POWER WITH JUNCTION BOX ADJACENT
MD-02	MOTORIZED DAMPER -NATURAL COOLING INTAKE	MECH. ROOM 2nd FLOOR	5W	24V						PM21-30	15A1P	2#12 AWG + GND	21mm	120V 1P POWER WITH JUNCTION BOX ADJACENT
MD-03	MOTORIZED DAMPER - MAIN FLOOR SUPPLY FAN	MECH. ROOM 2nd FLOOR	5W	24V						PM21-32	15A1P	2#12 AWG + GND	21mm	120V 1P POWER WITH JUNCTION BOX ADJACENT
MD-04	MOTORIZED DAMPER - 2ND FLOOR SUPPLY FAN	MECH. ROOM 2nd FLOOR	5W	24V						PM21-34	15A1P	2#12 AWG + GND	21mm	120V 1P POWER WITH JUNCTION BOX ADJACENT
MD-05	MOTORIZED DAMPER - PASSIVE COOLING MAIN	MECH. ROOM 2nd FLOOR	5W	24V						PM21-36	15A1P	2#12 AWG + GND	21mm	120V 1P POWER WITH JUNCTION BOX ADJACENT
MD-06	MOTORIZED DAMPER - PASSIVE COOLING SECOND	MECH. ROOM 2nd FLOOR	5W	24V						PM21-38	15A1P	2#12 AWG + GND	21mm	120V 1P POWER WITH JUNCTION BOX ADJACENT
MD-07	MOTORIZED DAMPER - MAIN FLOOR RELIEF	MAIN CEILING STAFF HUB	5W	24V						PM11-17	15A1P	2#12AWG + GND	21mm	120V 1P POWER WITH JUNCTION BOX ADJACENT
MD-08	MOTORIZED DAMPER - 2ND FLOOR RELIEF	2ND CEILING STAFF HUB	5W	24V						PM21-40	15A1P	2#12 AWG + GND	21mm	120V 1P POWER WITH JUNCTION BOX ADJACENT
MD-09	MOTORIZED DAMPER - GARAGE EXHAUST FAN	GARAGE NE WALL	5W	24V						PP12-35	15A1P	2#12 AWG + GND	21mm	120V 1P POWER WITH JUNCTION BOX ADJACENT
MD-10	MOTORIZED DAMPER - GARAGE AIR INTAKE	GARAGE NW WALL	5W	24V						PP12-37	15A1P	2#12 AWG + GND	21mm	120V 1P POWER WITH JUNCTION BOX

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OPERATIONS CENTRE

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IQALUIT, NUNAVUT
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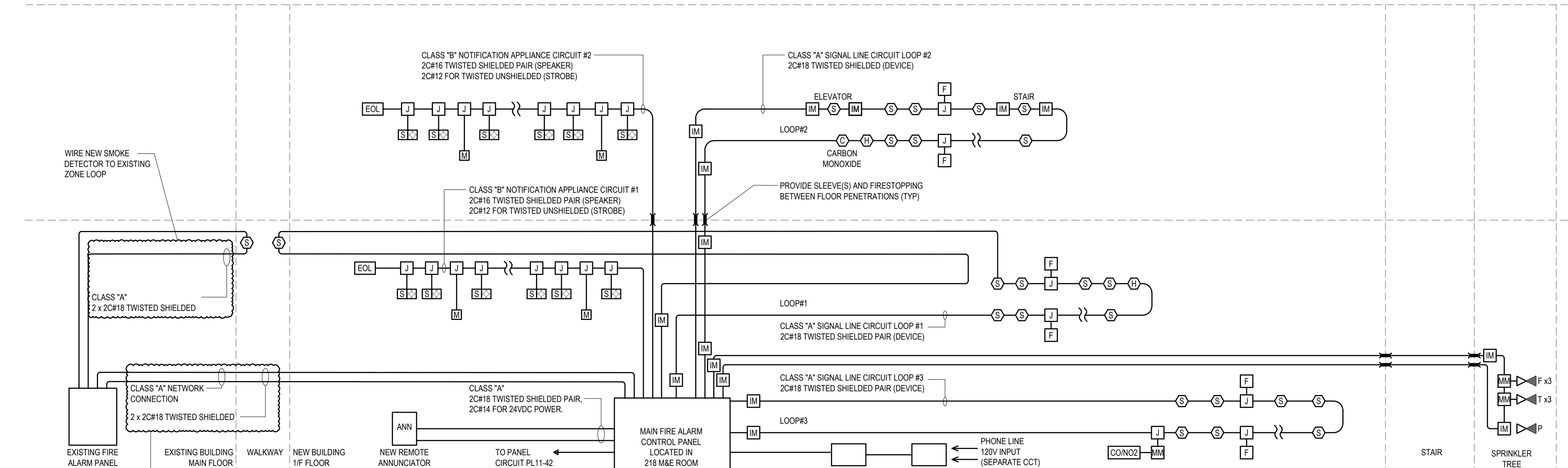
CLIENT PROJECT NO. 820837

TITLE:
FIRE ALARM SINGLE LINE DIAGRAM

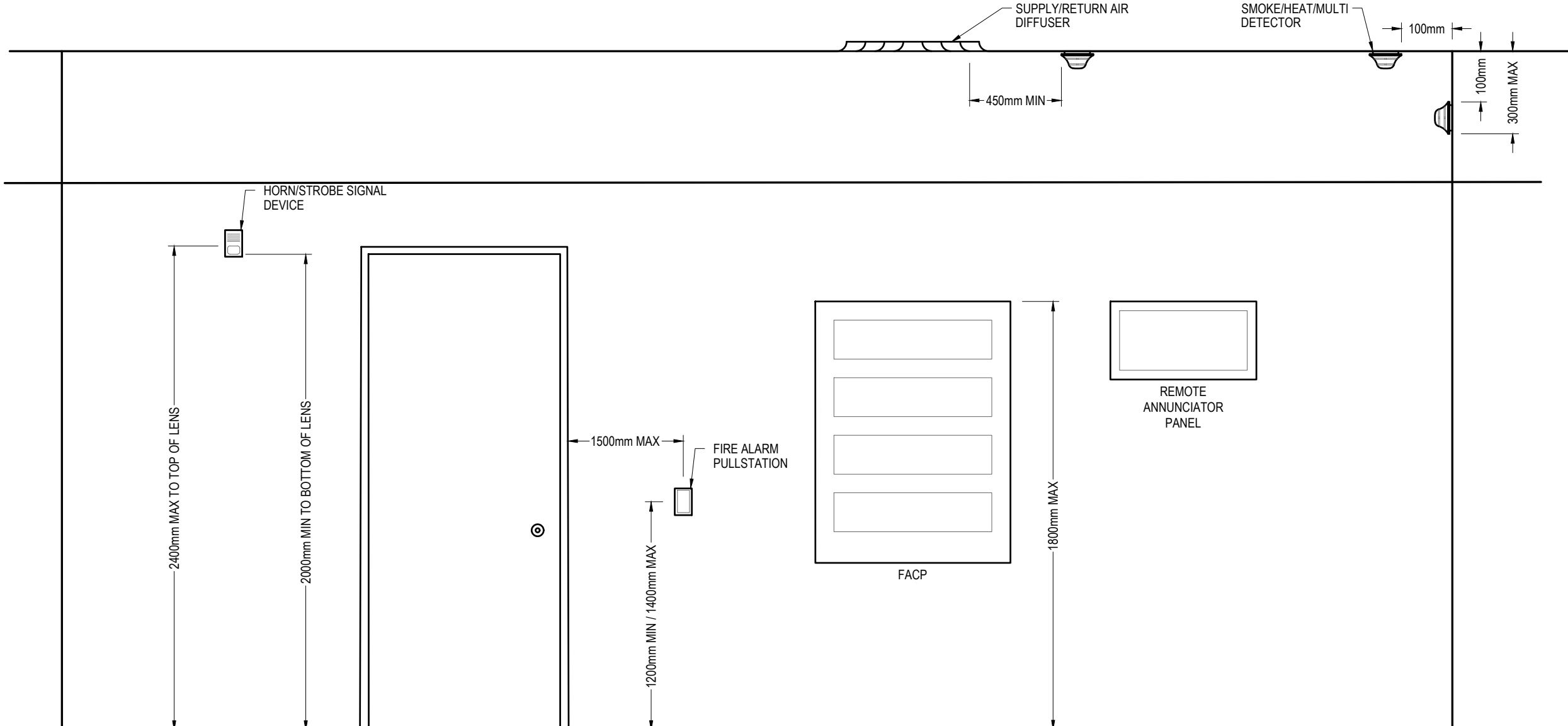
SCALE: AS NOTED
PROJECT NUMBER: 2019.00800
DRAWN BY: ABL

E800

FIRE ALARM SYSTEM SINGLE LINE DIAGRAM



1 FIRE ALARM SINGLE LINE DIAGRAM
E800 SCALE: N.T.S.



- NOTES:
- ALL CODE SECTION REFERENCES SHOWN WITHIN THIS DETAIL ARE FOR THE INSTALLATION OF FIRE ALARM SYSTEMS CANULC-SS04-06.
 - REFER TO THE PROPER DEVICE INSTALLATION INSTRUCTIONS FOR BACKBOX MOUNTING HEIGHT. TYPICAL FOR ALL FIRE ALARM DEVICES.
 - OTHER MOUNTING HEIGHTS FOR AUDIBLE APPLIANCES SHALL BE PERMITTED BY THE AHJ PROVIDING IT MEETS THE SOUND LEVEL OUTPUT REQUIRED.
 - FOR CEILING HEIGHTS LESS THAN 2180, THE VISUAL LENS MOUNTING HEIGHT SHALL BE WITHIN 150mm OF THE CEILING.
 - SYNCHRONIZE TWO OR MORE APPLIANCES IN ANY FIELD OF VIEW. (SECTION 5.4.5.2)
 - MEASUREMENTS SHOWN ARE TO THE CLOSEST EDGE OF THE DETECTOR. (SECTION 5.7.5.1.1 FIGURE 19)
 - MANUAL PULL STATION SHALL BE INSTALLED TO 1200mm.

PATCH PANEL ID: 1-1A-1-41 (VOICE/DATA)							
NUMBER OF PORTS: 48				CONNECTOR STYLE: KEYSTONE			
CATEGORY:				TIA CATEGORY 6			
PORT	DRAWING DESIGNATOR	HORIZONTAL LINK ID	NOTES	PORT	DRAWING DESIGNATOR	HORIZONTAL LINK ID	NOTES
1	T1-01a	1-1A-1-41:01	VOICE	25	T1-07a	1-1A-1-41:25	VOICE
2	T1-01b	1-1A-1-41:02	VOICE	26	T1-07b	1-1A-1-41:26	VOICE
3	T1-01c	1-1A-1-41:03	DATA	27	T1-07c	1-1A-1-41:27	DATA
4	T1-01d	1-1A-1-41:04	DATA	28	T1-07d	1-1A-1-41:28	DATA
5	T1-02a	1-1A-1-41:05	VOICE	29	T1-08a	1-1A-1-41:29	VOICE
6	T1-02b	1-1A-1-41:06	VOICE	30	T1-08b	1-1A-1-41:30	VOICE
7	T1-02c	1-1A-1-41:07	DATA	31	T1-08c	1-1A-1-41:31	DATA
8	T1-02d	1-1A-1-41:08	DATA	32	T1-08d	1-1A-1-41:32	DATA
9	T1-03a	1-1A-1-41:09	VOICE	33	T1-09a	1-1A-1-41:33	VOICE
10	T1-03b	1-1A-1-41:10	VOICE	34	T1-09b	1-1A-1-41:34	VOICE
11	T1-03c	1-1A-1-41:11	DATA	35	T1-09c	1-1A-1-41:35	DATA
12	T1-03d	1-1A-1-41:12	DATA	36	T1-09d	1-1A-1-41:36	DATA
13	T1-04a	1-1A-1-41:13	VOICE	37	T1-10a	1-1A-1-41:37	VOICE
14	T1-04b	1-1A-1-41:14	VOICE	38	T1-10b	1-1A-1-41:38	VOICE
15	T1-04c	1-1A-1-41:15	DATA	39	T1-10c	1-1A-1-41:39	DATA
16	T1-04d	1-1A-1-41:16	DATA	40	T1-10d	1-1A-1-41:40	DATA
17	T1-05a	1-1A-1-41:17	VOICE	41	T1-11a	1-1A-1-41:41	VOICE
18	T1-05b	1-1A-1-41:18	VOICE	42	T1-11b	1-1A-1-41:42	VOICE
19	T1-05c	1-1A-1-41:19	DATA	43	T1-11c	1-1A-1-41:43	DATA
20	T1-05d	1-1A-1-41:20	DATA	44	T1-11d	1-1A-1-41:44	DATA
21	T1-06a	1-1A-1-41:21	VOICE	45	T1-12a	1-1A-1-41:45	VOICE
22	T1-06b	1-1A-1-41:22	VOICE	46	T1-12b	1-1A-1-41:46	VOICE
23	T1-06c	1-1A-1-41:23	DATA	47	T1-12c	1-1A-1-41:47	DATA
24	T1-06d	1-1A-1-41:24	DATA	48	T1-12d	1-1A-1-41:48	DATA

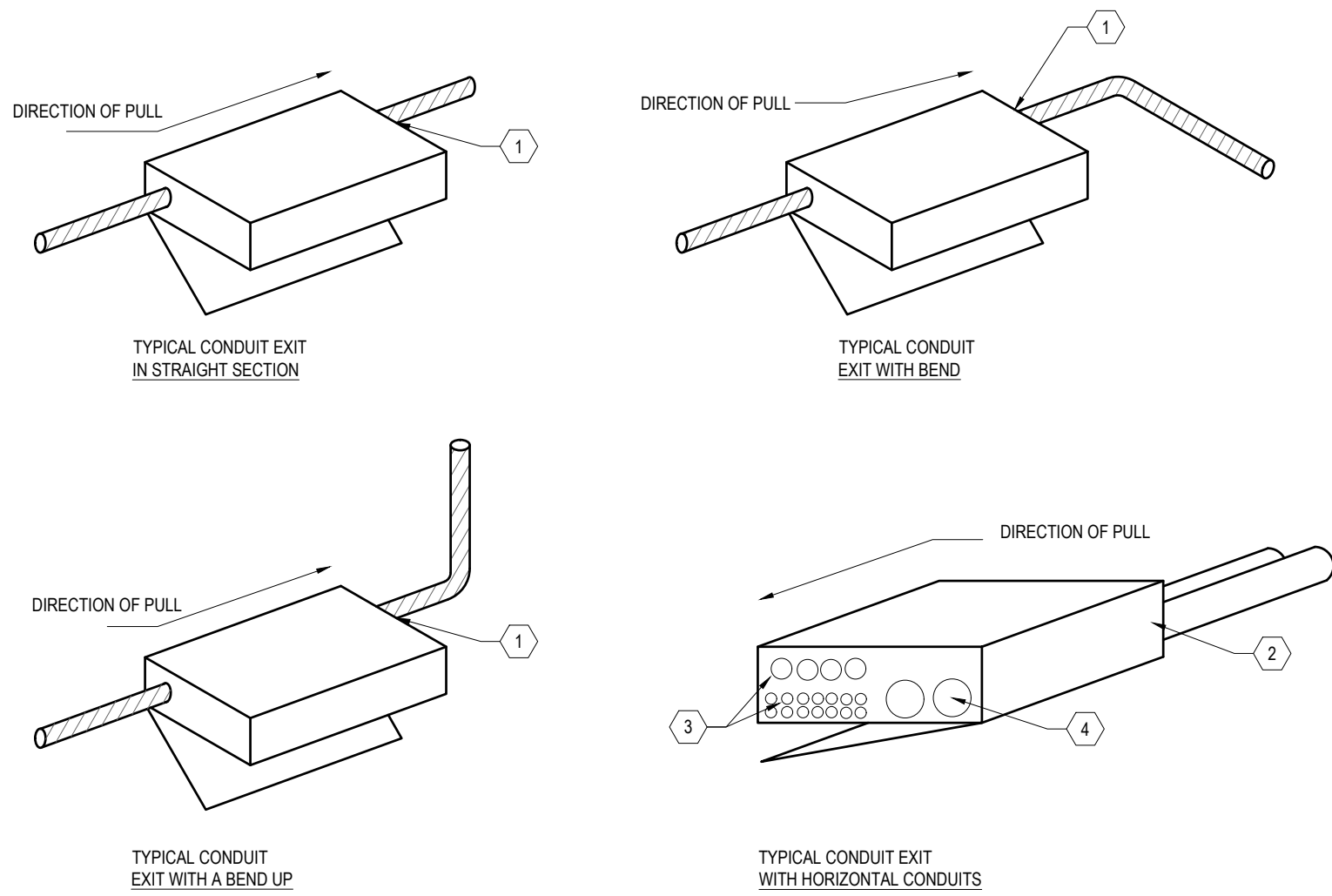
PATCH PANEL ID: 2-2A-1-41 (VOICE/DATA)							
NUMBER OF PORTS: 48				CONNECTOR STYLE: KEYSTONE			
CATEGORY:				TIA CATEGORY 6			
PORT	DRAWING DESIGNATOR	HORIZONTAL LINK ID	NOTES	PORT	DRAWING DESIGNATOR	HORIZONTAL LINK ID	NOTES
1	T2-01a	2-2A-1-41:01	VOICE	25	T2-07a	2-2A-1-41:25	VOICE
2	T2-01b	2-2A-1-41:02	VOICE	26	T2-07b	2-2A-1-41:26	VOICE
3	T2-01c	2-2A-1-41:03	DATA	27	T2-07c	2-2A-1-41:27	DATA
4	T2-01d	2-2A-1-41:04	DATA	28	T2-07d	2-2A-1-41:28	DATA
5	T2-02a	2-2A-1-41:05	VOICE	29	T2-08a	2-2A-1-41:29	VOICE
6	T2-02b	2-2A-1-41:06	VOICE	30	T2-08b	2-2A-1-41:30	VOICE
7	T2-02c	2-2A-1-41:07	DATA	31	T2-08c	2-2A-1-41:31	DATA
8	T2-02d	2-2A-1-41:08	DATA	32	T2-08d	2-2A-1-41:32	DATA
9	T2-03a	2-2A-1-41:09	VOICE	33	T2-09a	2-2A-1-41:33	VOICE
10	T2-03b	2-2A-1-41:10	VOICE	34	T2-09b	2-2A-1-41:34	VOICE
11	T2-03c	2-2A-1-41:11	DATA	35	T2-09c	2-2A-1-41:35	DATA
12	T2-03d	2-2A-1-41:12	DATA	36	T2-09d	2-2A-1-41:36	DATA
13	T2-04a	2-2A-1-41:13	VOICE	37	T2-10a	2-2A-1-41:37	VOICE
14	T2-04b	2-2A-1-41:14	VOICE	38	T2-10b	2-2A-1-41:38	VOICE
15	T2-04c	2-2A-1-41:15	DATA	39	T2-10c	2-2A-1-41:39	DATA
16	T2-04d	2-2A-1-41:16	DATA	40	T2-10d	2-2A-1-41:40	DATA
17	T2-05a	2-2A-1-41:17	VOICE	41	T2-11a	2-2A-1-41:41	VOICE
18	T2-05b	2-2A-1-41:18	VOICE	42	T2-11b	2-2A-1-41:42	VOICE
19	T2-05c	2-2A-1-41:19	DATA	43	T2-11c	2-2A-1-41:43	DATA
20	T2-05d	2-2A-1-41:20	DATA	44	T2-11d	2-2A-1-41:44	DATA
21	T2-06a	2-2A-1-41:21	VOICE	45	T2-12a	2-2A-1-41:45	VOICE
22	T2-06b	2-2A-1-41:22	VOICE	46	T2-12b	2-2A-1-41:46	VOICE
23	T2-06c	2-2A-1-41:23	DATA	47	T2-12c	2-2A-1-41:47	DATA
24	T2-06d	2-2A-1-41:24	DATA	48	T2-12d	2-2A-1-41:48	DATA

PATCH PANEL ID: 1-1A-1-29 (CCTV)							
NUMBER OF PORTS: 48				CONNECTOR STYLE: KEYSTONE			
CATEGORY:				TIA CATEGORY 6			
PORT	DRAWING DESIGNATOR	HORIZONTAL LINK ID	NOTES	PORT	DRAWING DESIGNATOR	HORIZONTAL LINK ID	NOTES
1	V S1-1	1-1A-1-29:01		25			
2	V S1-2	1-1A-1-29:02		26			
3	V S1-3	1-1A-1-29:03		27			
4	V S1-4	1-1A-1-29:04		28			
5	V S1-5	1-1A-1-29:05		29			
6	V S1-6	1-1A-1-29:06		30			
7	V S1-7	1-1A-1-29:07		31			
8	V S1-8	1-1A-1-29:08		32			
9	V S1-9	1-1A-1-29:09		33			
10	V S1-10	1-1A-1-29:10		34			
11	V S1-11	1-1A-1-29:11		35			
12	V S1-12	1-1A-1-29:12		36			
13	V S1-13	1-1A-1-29:13		37			
14	V S1-14	1-1A-1-29:14		38			
15	V S1-15	1-1A-1-29:15		39			
16	V S1-16	1-1A-1-29:16		40			
17	V S1-17	1-1A-1-29:17		41			
18	V S1-18	1-1A-1-29:18		42			
19	V S1-19	1-1A-1-29:19		43			
20	V S1-20	1-1A-1-29:20		44			
21				45			
22				46			
23				47			
24				48			

PATCH PANEL ID: 1-1A-1-37 (VOICE/DATA)							
NUMBER OF PORTS: 48				CONNECTOR STYLE: KEYSTONE			
CATEGORY:				TIA CATEGORY 6			
PORT	DRAWING DESIGNATOR	HORIZONTAL LINK ID	NOTES	PORT	DRAWING DESIGNATOR	HORIZONTAL LINK ID	NOTES
1	T1-13a	1-1A-1-37:01	VOICE	25	T1-19a	1-1A-1-37:25	VOICE
2	T1-13b	1-1A-1-37:02	VOICE	26	T1-19b	1-1A-1-37:26	VOICE
3	T1-13c	1-1A-1-37:03	DATA	27	T1-19c	1-1A-1-37:27	DATA
4	T1-13d	1-1A-1-37:04	DATA	28	T1-19d	1-1A-1-37:28	DATA
5	T1-14a	1-1A-1-37:05	VOICE	29	T1-20a	1-1A-1-37:29	VOICE
6	T1-14b	1-1A-1-37:06	VOICE	30	T1-20b	1-1A-1-37:30	VOICE
7	T1-14c	1-1A-1-37:07	DATA	31	T1-20c	1-1A-1-37:31	DATA
8	T1-14d	1-1A-1-37:08	DATA	32	T1-20d	1-1A-1-37:32	DATA
9	T1-15a	1-1A-1-37:09	VOICE	33	T1-21a	1-1A-1-37:33	VOICE
10	T1-15b	1-1A-1-37:10	VOICE	34	T1-21b	1-1A-1-37:34	VOICE
11	T1-15c	1-1A-1-37:11	DATA	35	T1-21c	1-1A-1-37:35	DATA
12	T1-15d	1-1A-1-37:12	DATA	36	T1-21d	1-1A-1-37:36	DATA
13	T1-16a	1-1A-1-37:13	VOICE	37	T1-22a	1-1A-1-37:37	VOICE
14	T1-16b	1-1A-1-37:14	VOICE	38	T1-22b	1-1A-1-37:38	VOICE
15	T1-16c	1-1A-1-37:15	DATA	39	T1-22c	1-1A-1-37:39	DATA
16	T1-16d	1-1A-1-37:16	DATA	40	T1-22d	1-1A-1-37:40	DATA
17	T1-17a	1-1A-1-37:17	VOICE	41	T1-23a	1-1A-1-37:41	VOICE
18	T1-17b	1-1A-1-37:18	VOICE	42	T1-23b	1-1A-1-37:42	VOICE
19	T1-17c	1-1A-1-37:19	DATA	43	T1-23c	1-1A-1-37:43	DATA
20	T1-17d	1-1A-1-37:20	DATA	44	T1-23d	1-1A-1-37:44	DATA
21	T1-18a	1-1A-1-37:21	VOICE	45	T1-24a	1-1A-1-37:45	VOICE
22	T1-18b	1-1A-1-37:22	VOICE	46	T1-24b	1-1A-1-37:46	VOICE
23	T1-18c	1-1A-1-37:23	DATA	47	T1-24c	1-1A-1-37:47	DATA
24	T1-18d	1-1A-1-37:24	DATA	48	T1-24d	1-1A-1-37:48	DATA

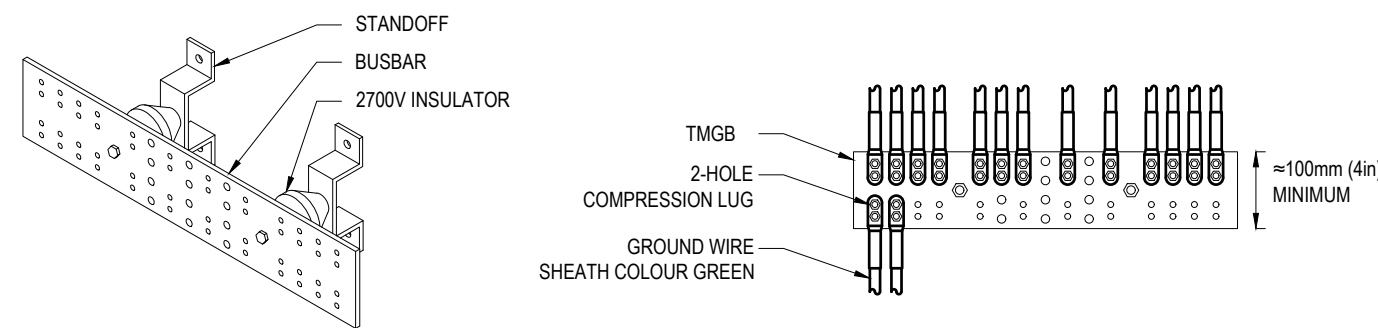
PATCH PANEL ID: 2-2A-1-37 (VOICE/DATA)							
NUMBER OF PORTS: 48				CONNECTOR STYLE: KEYSTONE			
CATEGORY:				TIA CATEGORY 6			
PORT	DRAWING DESIGNATOR	HORIZONTAL LINK ID	NOTES	PORT	DRAWING DESIGNATOR	HORIZONTAL LINK ID	NOTES
1	T2-13a	2-2A-1-37:01	VOICE	25	T2-19a	2-2A-1-37:025	VOICE
2	T2-13b	2-2A-1-37:02	VOICE	26	T2-19b	2-2A-1-37:026	VOICE
3	T2-13c	2-2A-1-37:03	DATA	27	T2-19c	2-2A-1-37:027	DATA
4	T2-13d	2-2A-1-37:04	DATA	28	T2-19d	2-2A-1-37:028	DATA
5	T2-14a	2-2A-1-37:05	VOICE	29	T2-20a	2-2A-1-37:029	VOICE
6	T2-14b	2-2A-1-37:06	VOICE	30	T2-20b	2-2A-1-37:030	VOICE
7	T2-14c	2-2A-1-37:07	DATA	31	T2-20c	2-2A-1-37:031	DATA
8	T2-14d	2-2A-1-37:08	DATA	32	T2-20d	2-2A-1-37:032	DATA
9	T2-15a	2-2A-1-37:09	VOICE	33	T2-21a	2-2A-1-37:033	VOICE
10	T2-15b	2-2A-1-37:10	VOICE	34	T2-21b	2-2A-1-37:034	VOICE
11	T2-15c	2-2A-1-37:11	DATA	35	T2-21c	2-2A-1-37:035	DATA
12	T2-15d	2-2A-1-37:12	DATA	36	T2-21d	2-2A-1-37:036	DATA
13	T2-16a	2-2A-1-37:13	VOICE	37	T2-22a	2-2A-1-37:037	VOICE
14	T2-16b	2-2A-1-37:14	VOICE	38	T2-22b	2-2A-1-37:038	VOICE
15	T2-16c	2-2A-1-37:15	DATA	39	T2-22c	2-2A-1-37:039	DATA
16	T2-16d	2-2A-1-37:16	DATA	40	T2-22d	2-2A-1-37:040	DATA
17	T2-17a	2-2A-1-37:17	VOICE	41	T2-23a	2-2A-1-37:041	VOICE
18	T2-17b	2-2A-1-37:18	VOICE	42	T2-23b	2-2A-1-37:042	VOICE
19	T2-17c	2-2A-1-37:19	DATA	43	T2-23c	2-2A-1-37:043	DATA
20	T2-17d	2-2A-1-37:20	DATA	44	T2-23d	2-2A-1-37:044	DATA
21	T2-18a	2-2A-1-37:21	VOICE	45	T2-24a	2-2A-1-37:045	VOICE
22	T2-18b	2-2A-1-37:22	VOICE	46	T2-24b	2-2A-1-37:046	VOICE
23	T2-18c	2-2A-1-37:23	DATA	47	T2-24c	2-2A-1-37:047	DATA
24	T2-18d	2-2A-1-37:24	DATA	48	T2-24d	2-2A-1-37:048	DATA

PATCH PANEL ID:				2-2A-1-29 (CCTV)			
NUMBER OF PORTS:			48	CONNECTOR STYLE:		KEYSTONE	
CATEGORY:			TIA CATEGORY 6				
PORT	DRAWING DESIGNATOR	HORIZONTAL LINK ID	NOTES	PORT	DRAWING DESIGNATOR	HORIZONTAL LINK ID	NOTES
1	VS2-1	2-2A-1-29:01		25			
2	VS2-2	2-2A-1-29:02		26			
3	VS2-3	2-2A-1-29:03		27			
4	VS2-4	2-2A-1-29:04		28			
5	VS2-5	2-2A-1-29:05		29			
6				30			
7				31			
8				32			
9				33			
10				34			
11				35			
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24				48			

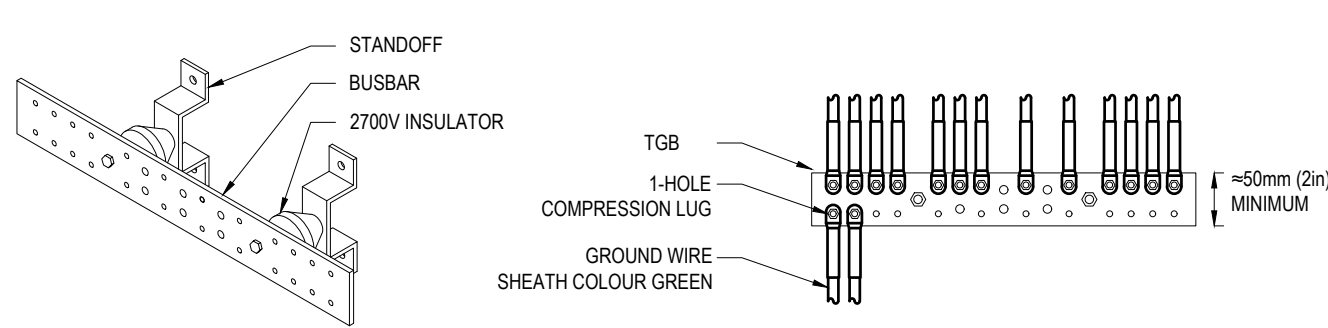


- PULLBOX DETAIL KEYNOTES:**
- CONDUITS SHALL ONLY EXIT IN THE DIRECTION OF PULL. CONDUITS SHALL NEVER EXIT THE BACK, SIDES OR TOP OF A PULLBOX. CONDUIT ENDS SHALL BE ALIGNED.
 - WHEN INSTALLING CABLE IN 100mm CONDUITS THE FURTHEST FROM TELECOM OUTLET, CONDUIT SHALL FEED THE OUTLET FURTHEST FROM THE TR.
 - WORK STATION OUTLET CONDUITS. EFFORTS SHOULD BE MADE TO UTILIZE SPACE FROM THE CENTRE OF THE PULL BOX OUT.
 - PULLBOXES SHALL BE RIGIDLY FIXED AS PER TELECOM SPECIFICATION.

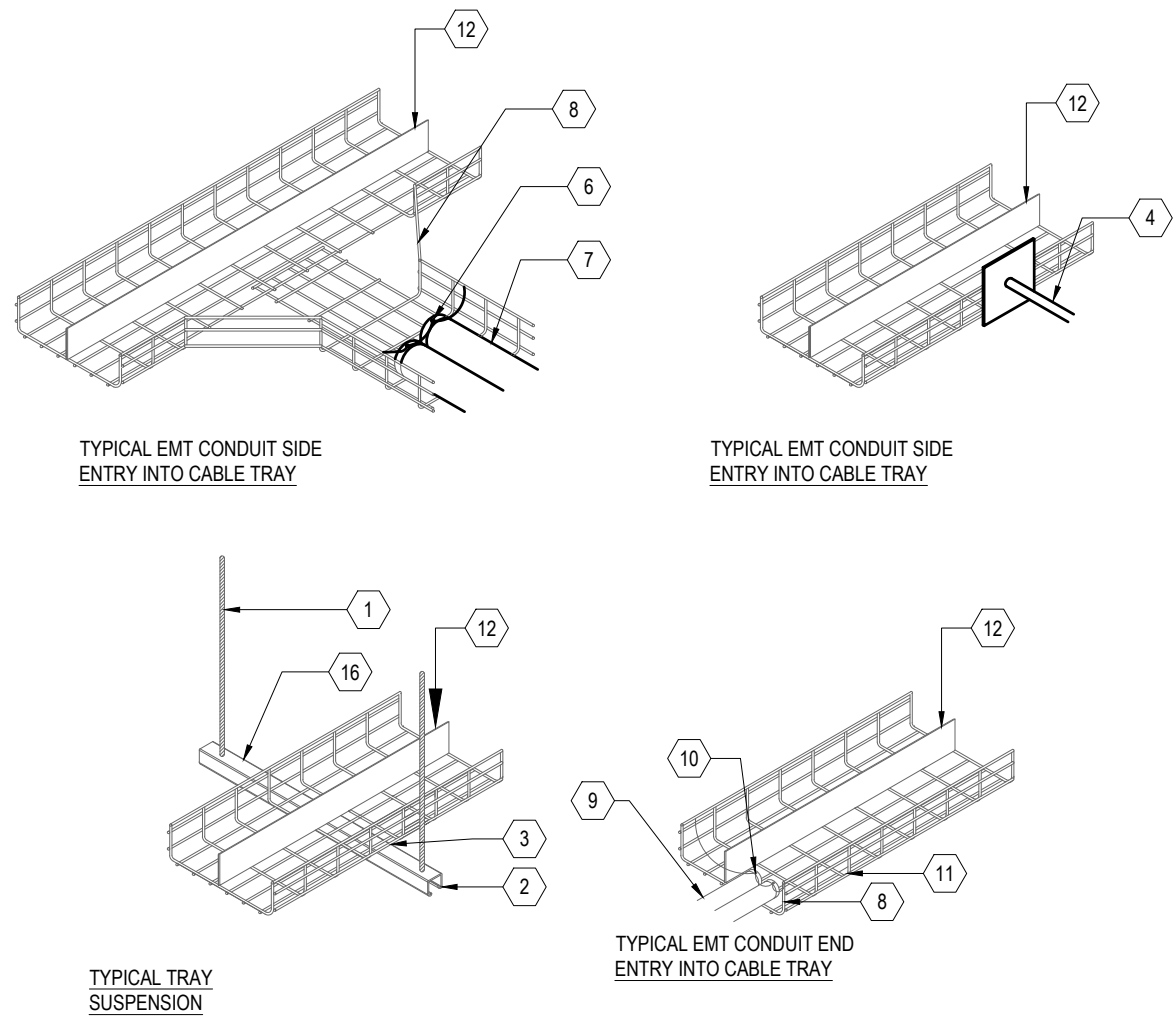
1 TYPICAL PULLBOX AND CONDUIT SYSTEM
SCALE: N.T.S.



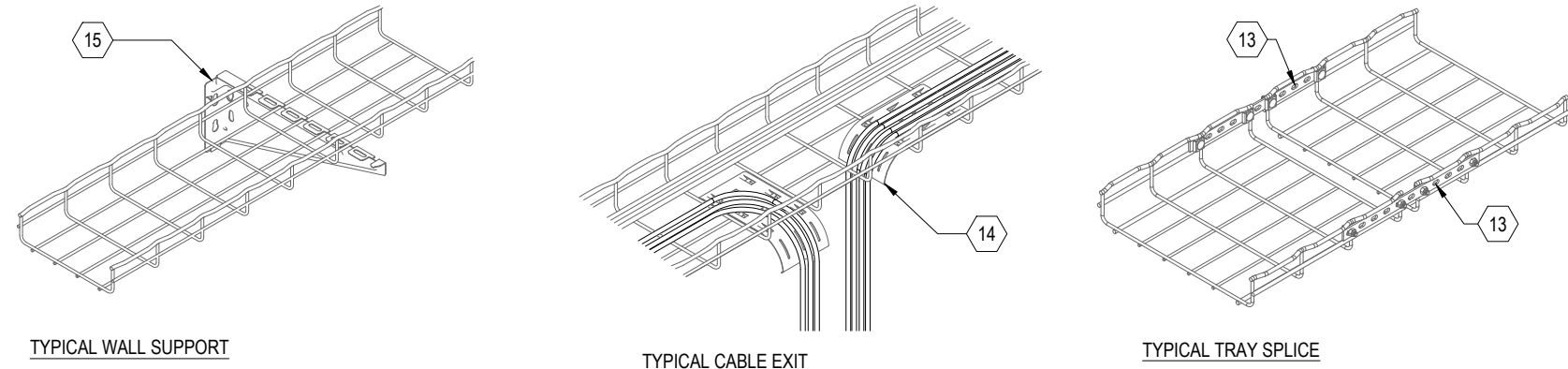
2 TELECOMMUNICATIONS MAIN GROUNDING BUS BAR DETAIL
SCALE: N.T.S.



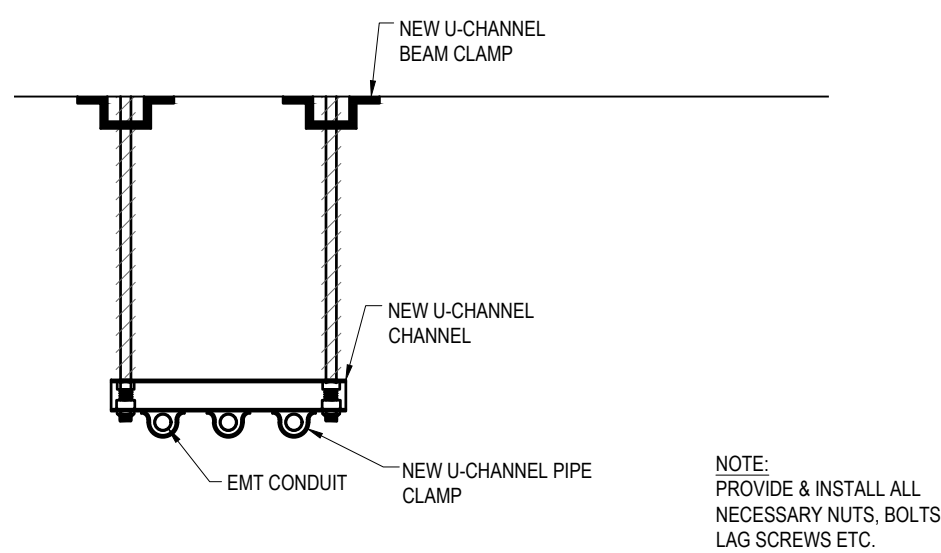
3 TELECOMMUNICATIONS GROUNDING BUS BAR DETAIL
SCALE: N.T.S.



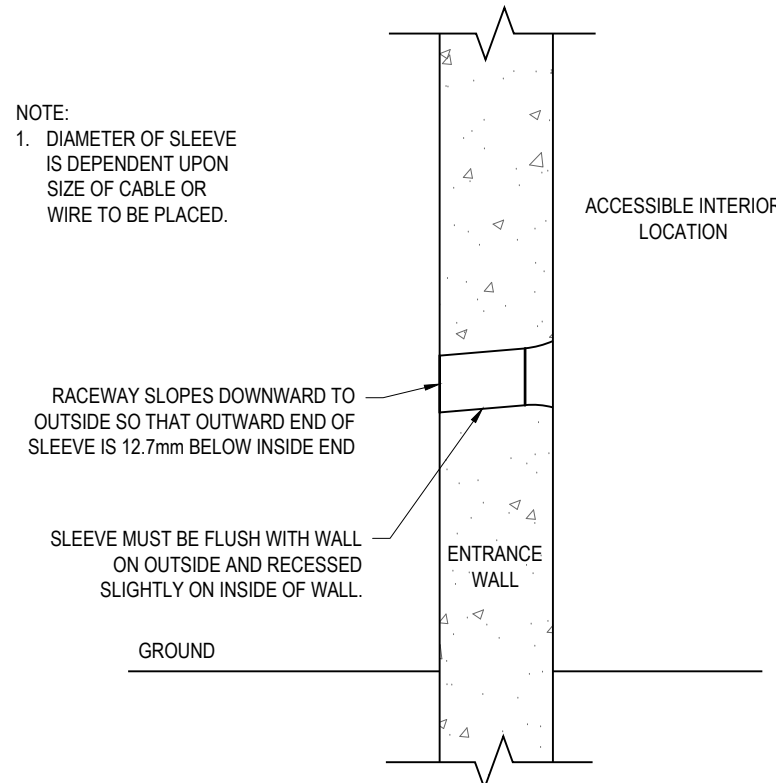
- CABLE TRAY DETAIL KEYNOTES:**
- 9.5mm THREADED ROD AS PER MANUFACTURER'S RECOMMENDATION ATTACHED TO CEILING AS PER MANUFACTURER'S RECOMMENDATIONS.
 - SINGLE CHANNEL STRUT NUT INSTALLED IN CHANNEL.
 - #8 PAN HEAD SCREWS SHALL BE USED TO ATTACH TRAY TO CHANNEL. STRUT TRAY SHALL BE INSTALLED EVEN AND LEVEL.
 - 27mm EMT SHALL PROTRUDE 100-150mm ABOVE CABLE TRAY. THE CONDUIT SHALL BE BONDED TO THE TRAY.
 - RADIUS FITTING
 - 75-103mm CONDUITS ENTERING CABLE TRAY FROM THE SIDE SHALL BE BONDED TO THE CABLE TRAY AS INDICATED IN SPECIFICATION.
 - 75-103mm EMT CONDUITS.
 - THE OPENING MADE INSIDE OF THE TRAY SHALL BE FREE OF SHARP EDGES. BOTTOM OF CONDUITS SHALL REST ON THE CABLE TRAY. CABLE TRAY SHALL HAVE SUSPENSION 600mm ON EITHER SIDE OF 100mm CONDUIT ENTRY.
 - 50-103mm CONDUIT ENTRY FROM END OF TRAY (IE. PENETRATIONS THROUGH WALLS).
 - 50-103mm CONDUITS ENTERING CABLE TRAY FROM THE END SHALL BE BONDED TO THE CABLE TRAY AS INDICATED IN SPECIFICATION.
 - A CONTINUOUS FT6 RATED #6AWG RACEWAY BONDING CONDUCTOR BONDED AT A MINIMUM OF 15m INTERVALS SHALL BE PROVIDED FOR ALL CABLE TRAYS.
 - GROUNDING DIVIDERS SHALL SEPARATE TELECOM, ACCESS CONTROL AND SECURITY SYSTEMS.
 - MANUFACTURER'S RECOMMENDED SPLICE BAR
 - MANUFACTURER'S CABLE EXIT OR DROP-OUT
 - MANUFACTURER'S WALL ANGLE BRACKET
 - C-CHANNEL OR UNISTRUT



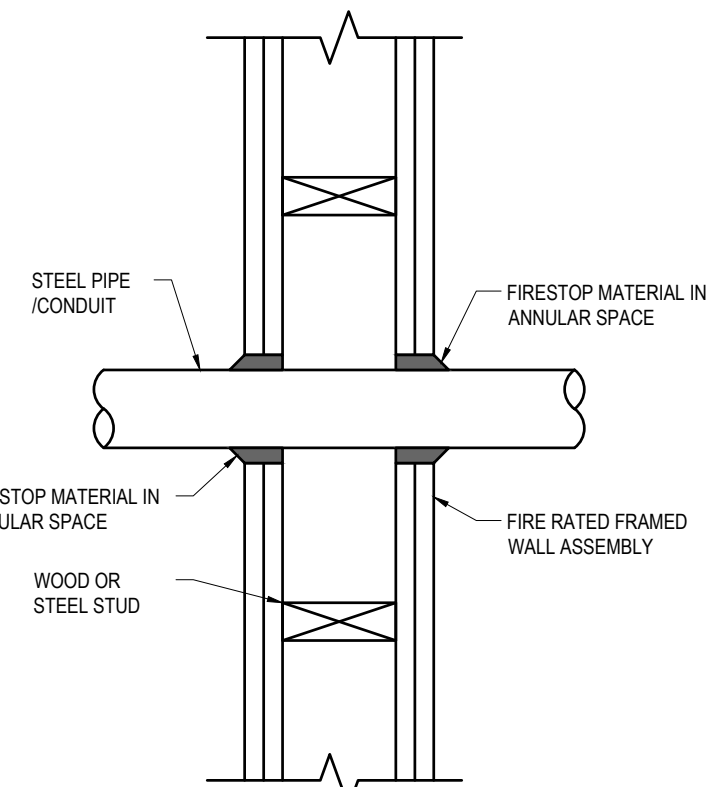
4 CABLE TRAY DETAIL
SCALE: N.T.S.



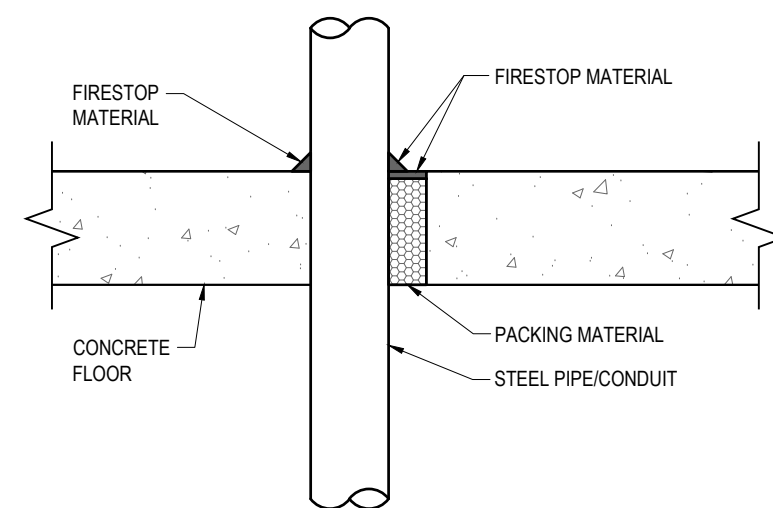
5 CONDUIT MOUNTING SUPPORT BAR
SCALE: N.T.S.



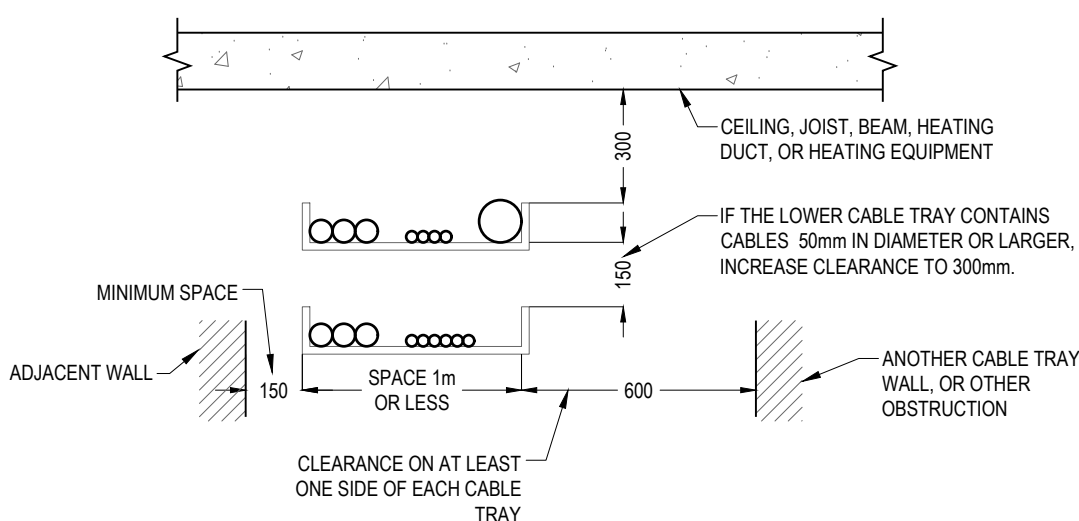
6 CABLE ENTRANCE SLEEVE THRU EXTERIOR WALL
SCALE: N.T.S.



7 QUALIFIED SLEEVE SYSTEM IN FRAMED WALL
SCALE: N.T.S.



8 FLOOR SLEEVE DETAIL
SCALE: N.T.S.



9 CLEARANCES OF CABLE TRAY
SCALE: N.T.S.

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The general contractor and/or project manager shall verify dimensions and data noted herein with conditions on the site and is held responsible for reporting any discrepancy to the architect for adjustment. Do not scale the drawings.

CONSULTANTS

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May 12, 2022

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12	26/03/021	ISSUED FOR CLIENT REVIEW (100%)
11	24/02/021	ISSUED FOR REVIEW
10	17/02/021	ISSUED FOR CLIENT REVIEW (100%)
9	12/02/021	ISSUED FOR COORDINATION
8	05/02/021	ISSUED FOR COORDINATION
7	22/01/021	ISSUED FOR CLASS A ESTIMATE
6	15/01/021	ISSUED FOR COORDINATION
5	12/06/020	ISSUED FOR 95% REVIEW
4	03/11/020	ISSUED FOR OWNER REVIEW
3	03/05/020	ISSUED FOR REVIEW
2	12/20/019	ISSUED FOR REVIEW
1	11/29/019	ISSUED FOR 50% REVIEW

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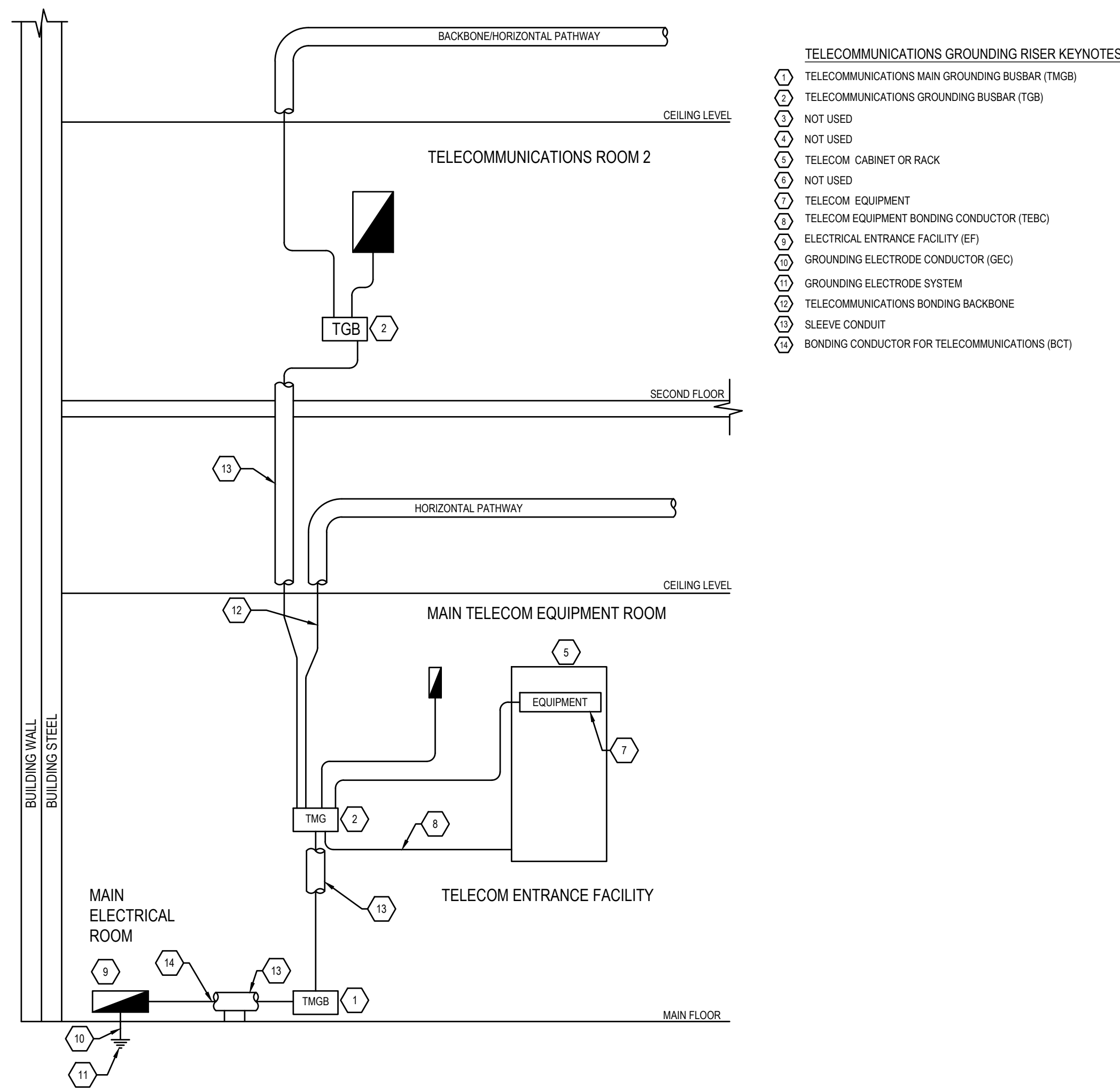
1549 FEDERAL ROAD
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X0A 0H0

CLIENT PROJECT NO: 820837

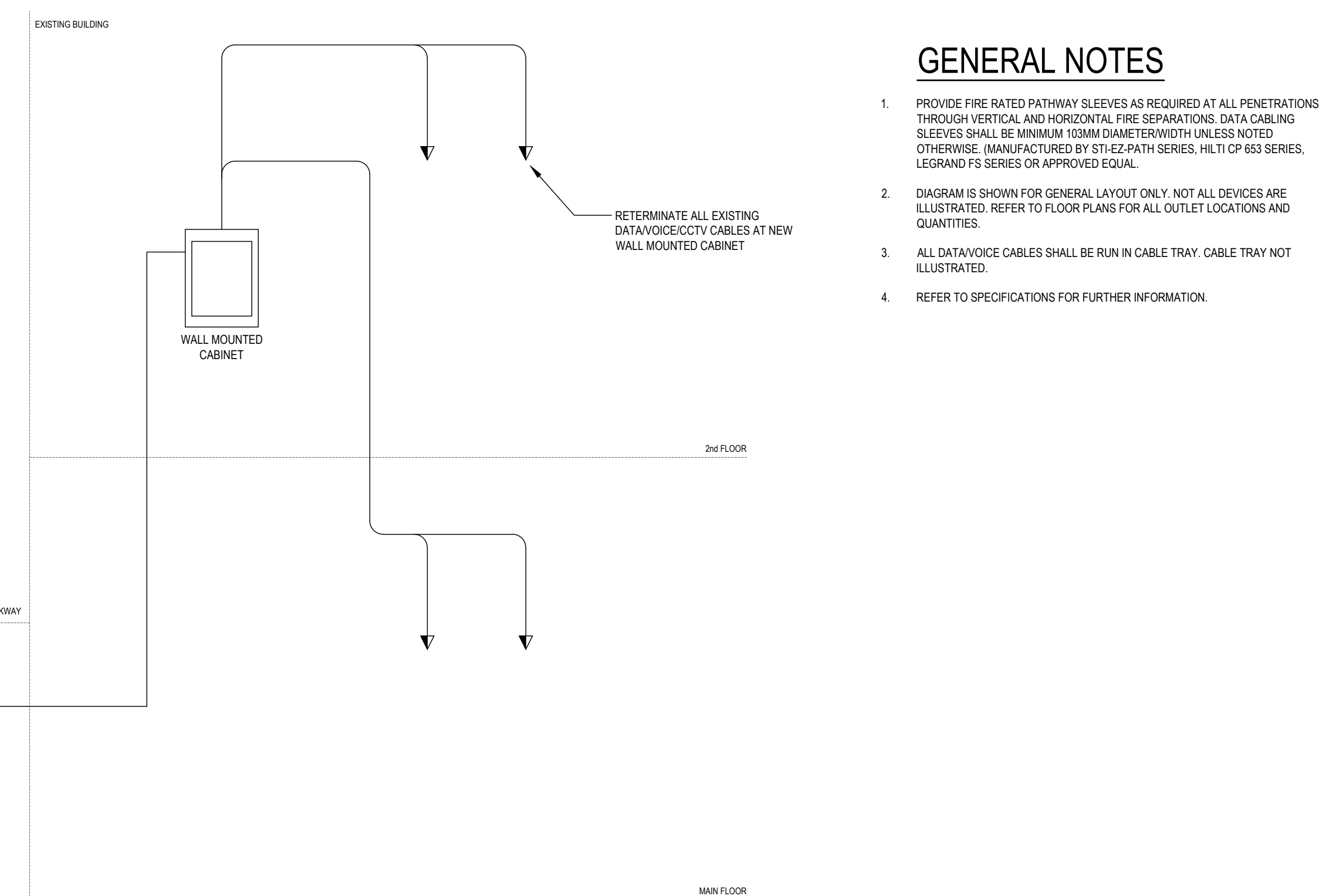
TITLE:
TELECOMMUNICATIONS DETAILS

SCALE: N/A
PROJECT NUMBER: 2019.00800
DRAWN BY: ES

T501



T502 SCALE: N.T.S.



1 TELECOMMUNICATIONS BACKBONE RISER
T502 SCALE: N.T.S.

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Date 2022-05-12
PERMIT NUMBER: P407
NT/NU Association of Professional
Engineers and Geoscientists

REGISTERED PROFESSIONAL ENGINEER
P.C. MEYER
LICENSEE
N.W. 12111
May 12, 2022

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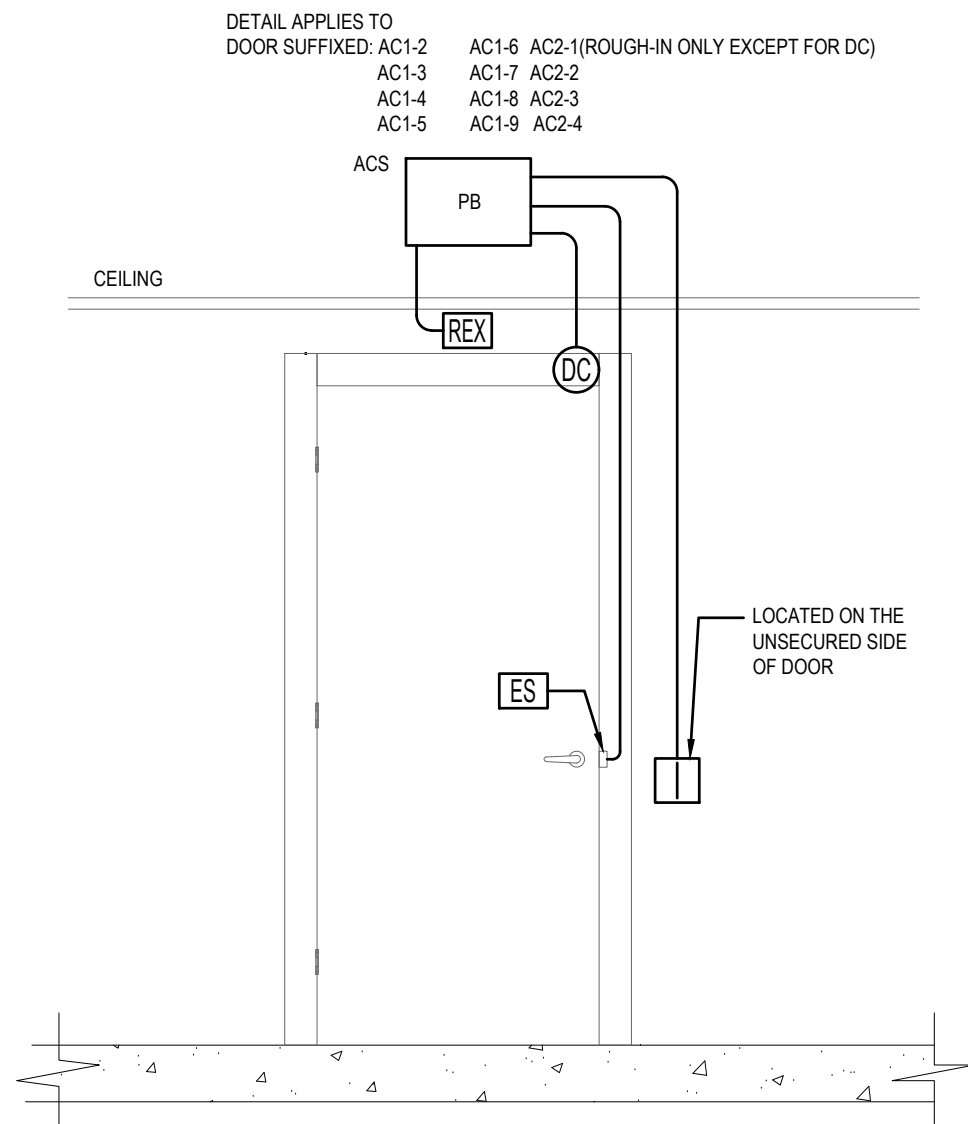
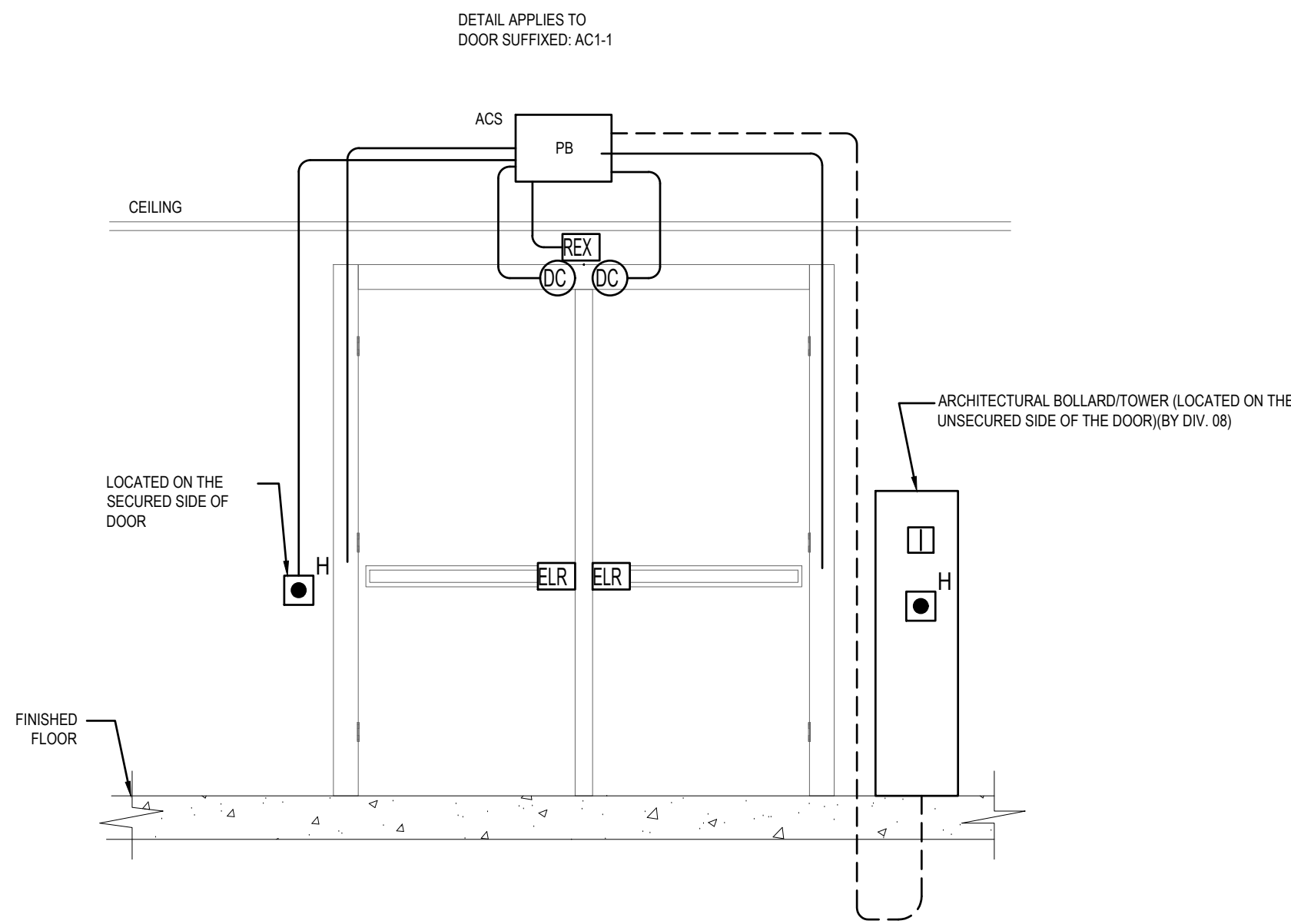
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5	24/02/021	ISSUED FOR REVIEW
4	17/02/021	ISSUED FOR CLIENT REVIEW (100%)
3	12/02/021	ISSUED FOR COORDINATION
2	05/02/021	ISSUED FOR COORDINATION
1	25/01/021	ISSUED FOR CLASS A ESTIMATE
REV	DATE	DESCRIPTION

CITY OF IQALUIT
PUBLIC WORKS

PUBLIC WORKS MAINTENANCE FACILITY
1549 FEDERAL ROAD
IQALUIT, NUNAVUT

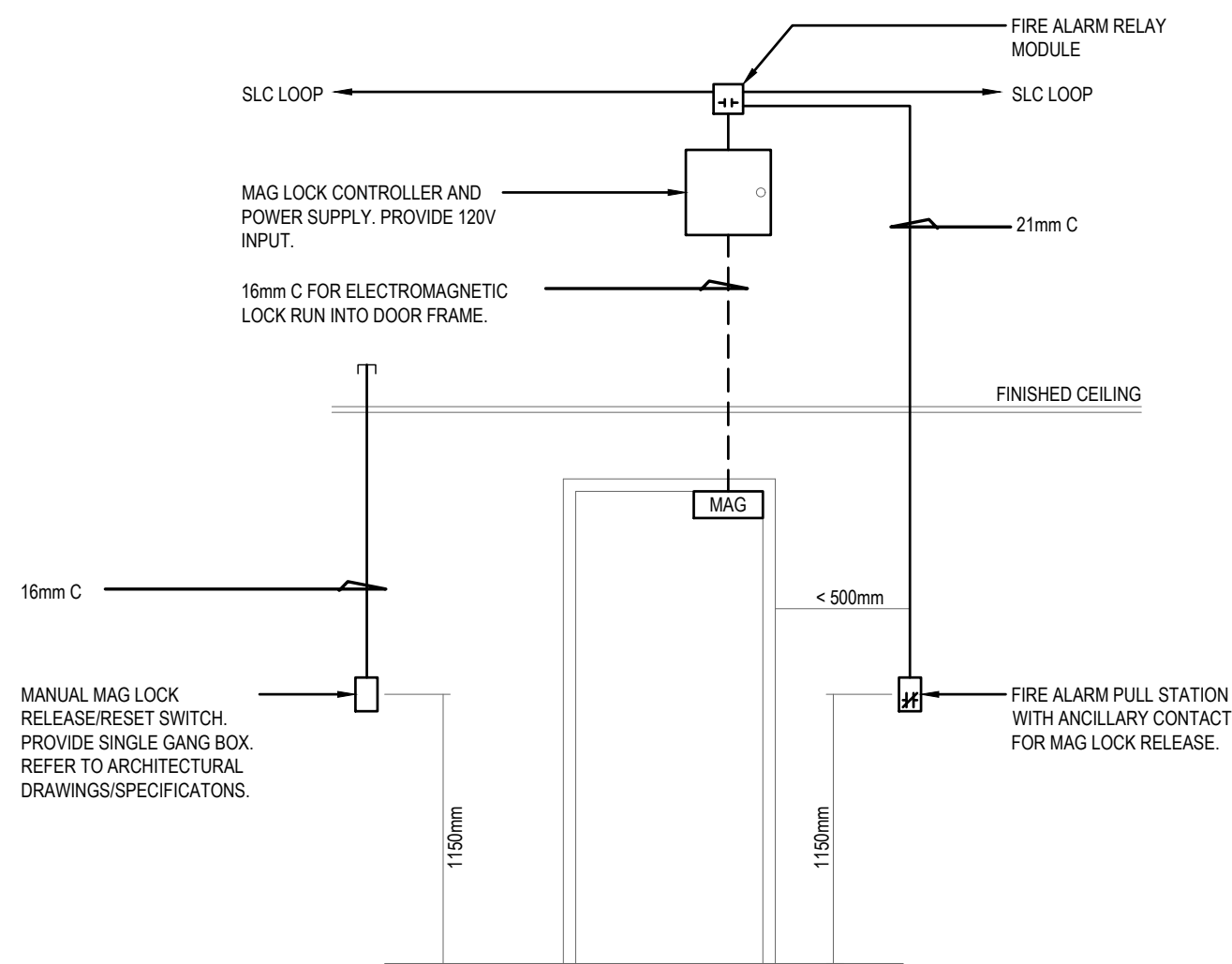
TITLE: TELECOMMUNICATIONS SYSTEMS DIAGRAMS
SCALE: N.T.S.
PROJECT NUMBER: 2019.00800
DRAWN BY: ABL

T502



NOTES:

1. PB SHALL BE INSTALLED ON THE SECURE SIDE OF DOOR
2. COORDINATE LOCATIONS INSTALLATION REQUIREMENTS WITH DIV.8
3. ALL MODIFICATIONS TO THE DOORS/DOOR FRAMES REQUIRED FOR THE DAC DEVICE INSTALLATION SHALL BE PROVIDED BY THE DOOR SUPPLIER.
4. ALL DEVICES SHALL FAIL SECURE



NOTES:

1. MAGNETIC DOOR LOCK, CONTROLLER, POWER SUPPLY, SWITCHES, SUPPLIED BY OTHERS, INSTALLED AND WIRED BY THE ELECTRICAL CONTRACTOR.
2. ALL 120V WIRING AND CONNECTIONS, CONDUIT/J-BOX ROUGH-IN, FIRE ALARM DEVICES AND FIRE ALARM INTERCONNECTING WIRING PROVIDED BY THE ELECTRICAL CONTRACTOR. COORDINATE EXACT LOCATIONS AND WIRING REQUIREMENTS OF ALL DEVICES WITH DOOR HARDWARE SUPPLIER.
3. MAGNETIC DOOR LOCK SHALL BE INTERCONNECTED TO THE BUILDING FIRE ALARM SYSTEM IN ACCORDANCE WITH THE NBC. THE MAGNETIC LOCK SHALL RELEASE UPON:
 - ACTIVATION OF THE BUILDING FIRE ALARM SYSTEM ALARM SIGNAL; AND
 - ACTIVATION OF THE FIRE ALARM SYSTEM PULL STATION ILLUSTRATED.
4. MODIFICATIONS TO DOOR FRAME PROVIDED BY DOOR SUPPLIER.
5. REFER TO FLOOR PLANS AND SPECIFICATIONS FOR LOCATIONS AND FURTHER DETAILS.

1 T503 TYPICAL ACCESS CONTROL DOOR ELEVATIONS
SCALE: N.T.S.

CONSULTANTS

wsp

1600 BUFFALO PLACE
WINNIPEG, MANITOBA
CANADA R3T 6B8
PHONE: 204-477-6650
WWW.WSPGROUP.COM

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WSP Canada Inc.
Signature: *[Signature]*
Date 2022-05-12

PERMIT NUMBER: P407
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8	12/05/022	ISSUED FOR TENDER
7	29/04/022	ISSUED FOR PRE-TENDER CHECK SET
6	26/03/021	ISSUED FOR CLIENT REVIEW (100%)
5	24/02/021	ISSUED FOR REVIEW
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2	05/02/021	ISSUED FOR COORDINATION
1	25/01/021	ISSUED FOR CLASS A ESTIMATE

REV	DATE	DESCRIPTION
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CLIENT

CITY OF IQALUIT
OPERATIONS CENTRE

1549 FEDERAL ROAD
IQALUIT, NUNAVUT
X0A 0H0

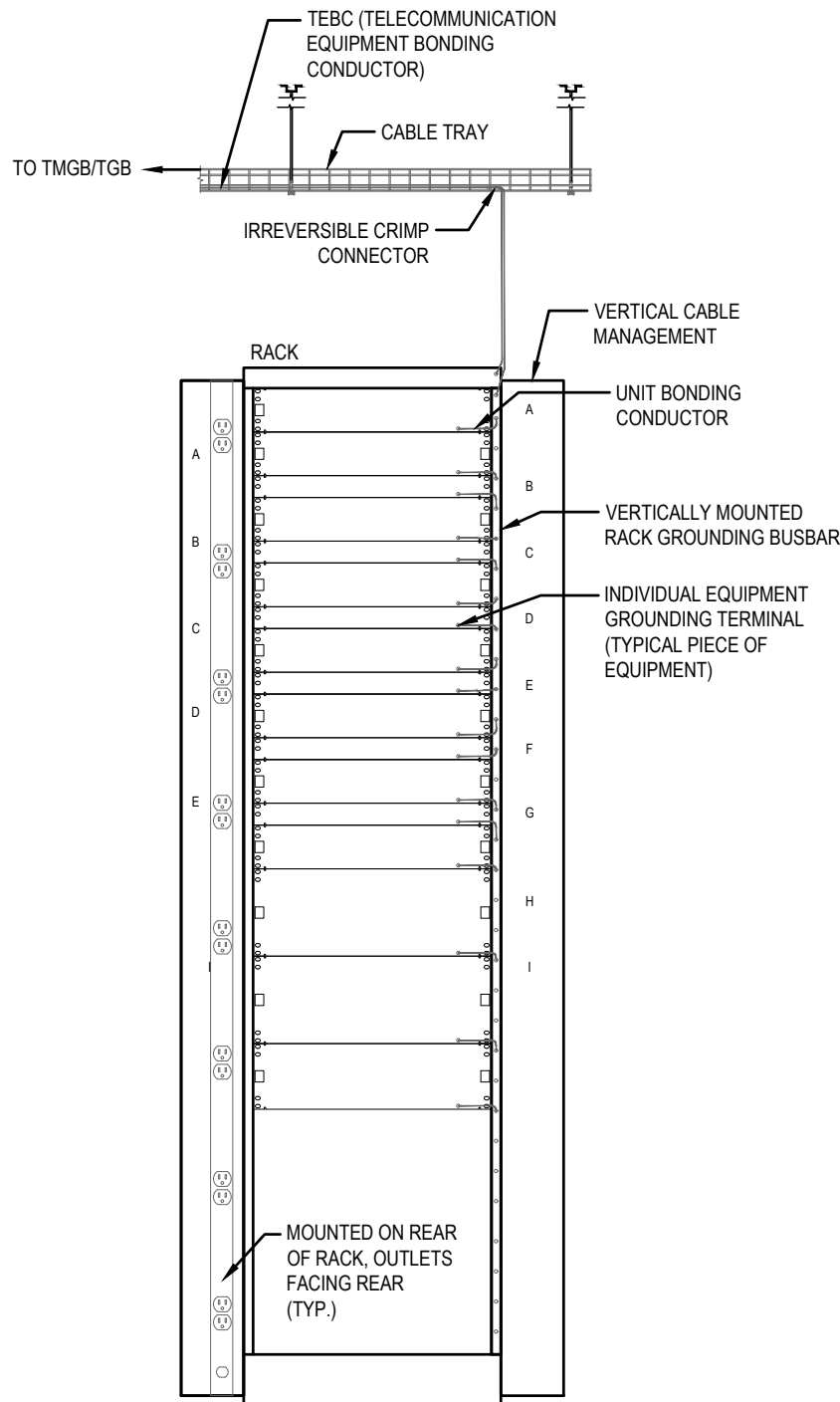
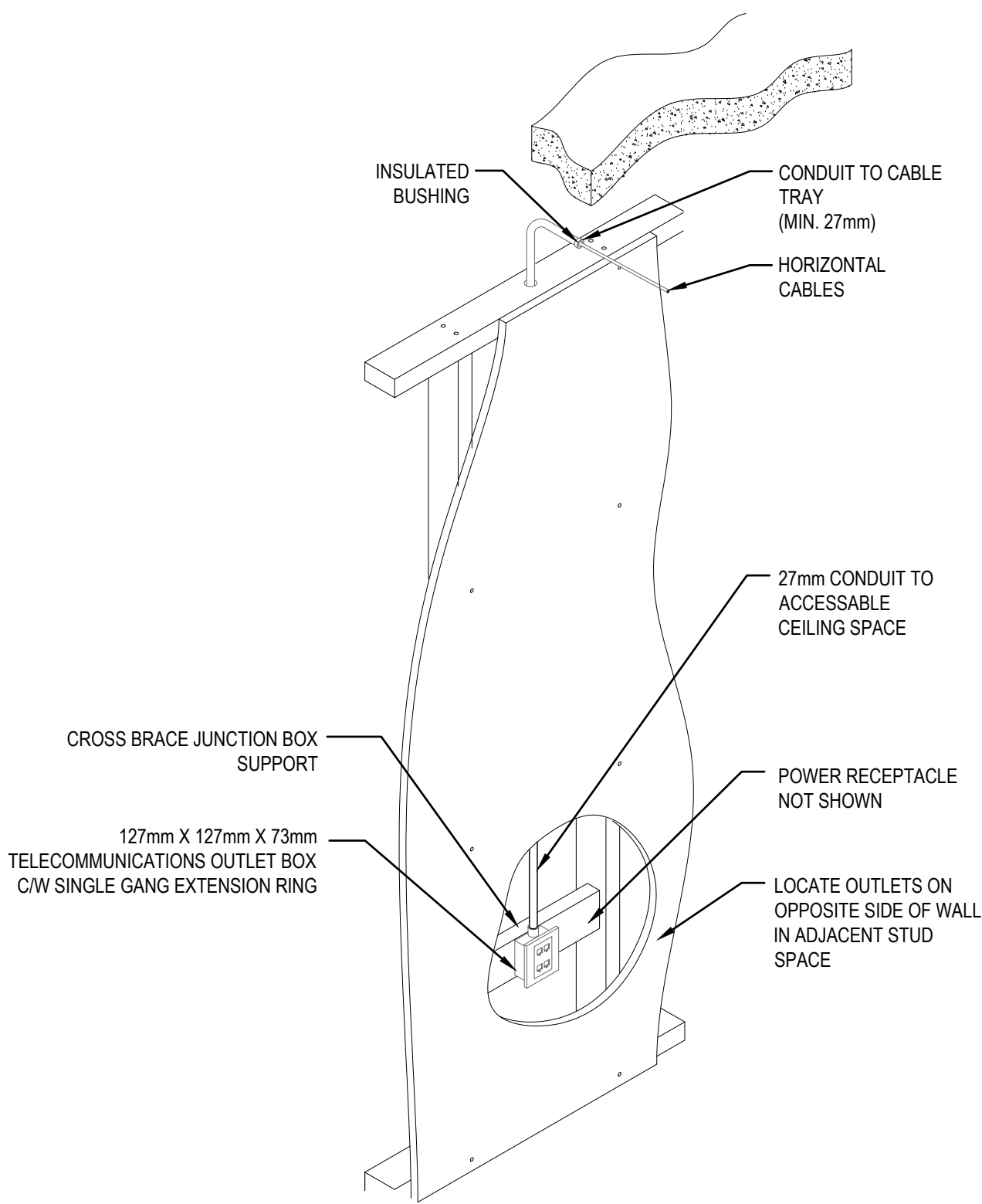
CLIENT PROJECT NO. 820837

TITLE:
TELECOMMUNICATIONS
ELEVATION DETAILS

SCALE: N.T.S.
PROJECT NUMBER: 2019.00800
DRAWN BY: ABL

T503

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REV	DATE	DESCRIPTION



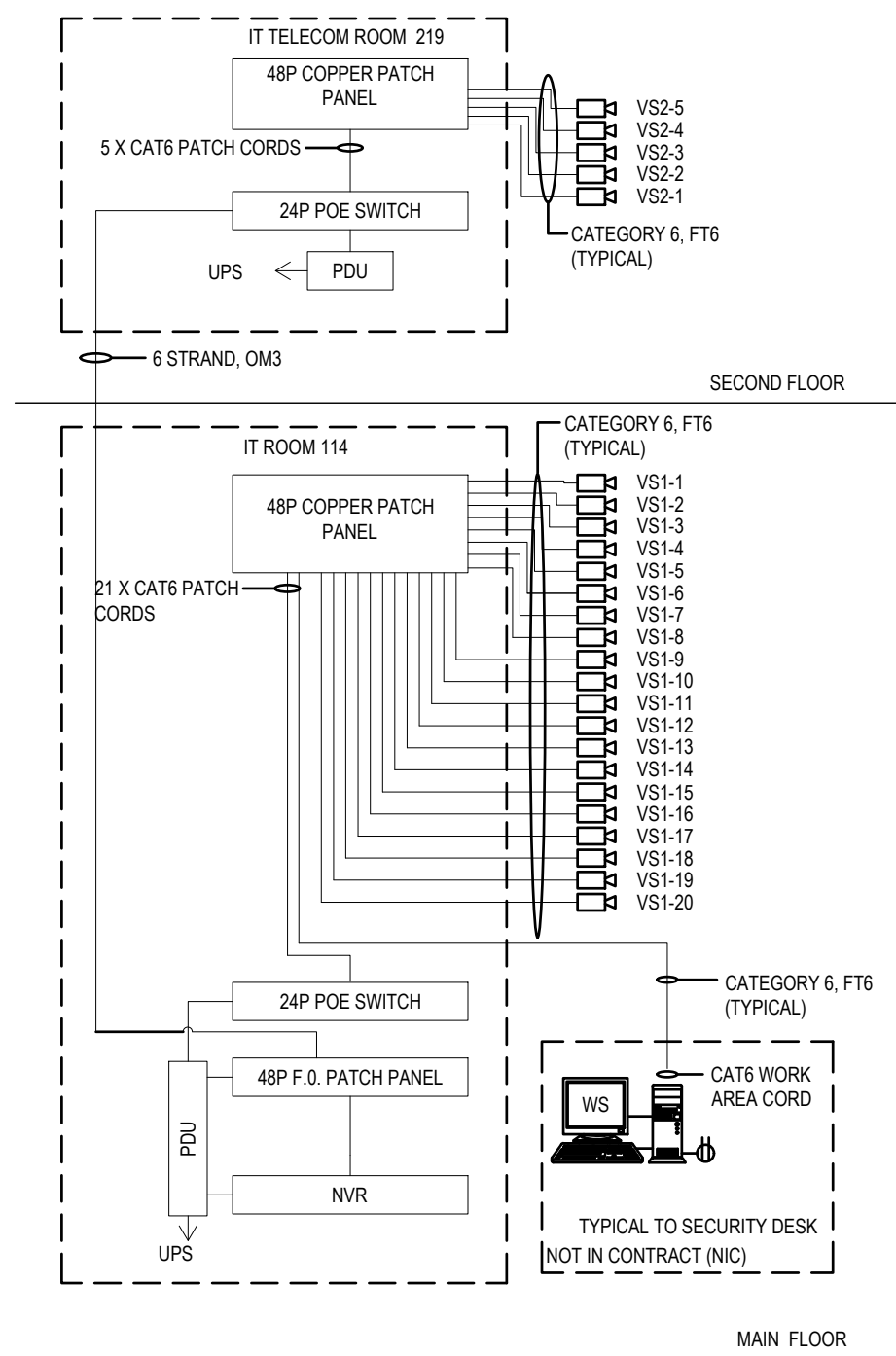
1 TYPICAL BONDING OF EQUIPMENT
T504 SCALE: N.T.S.

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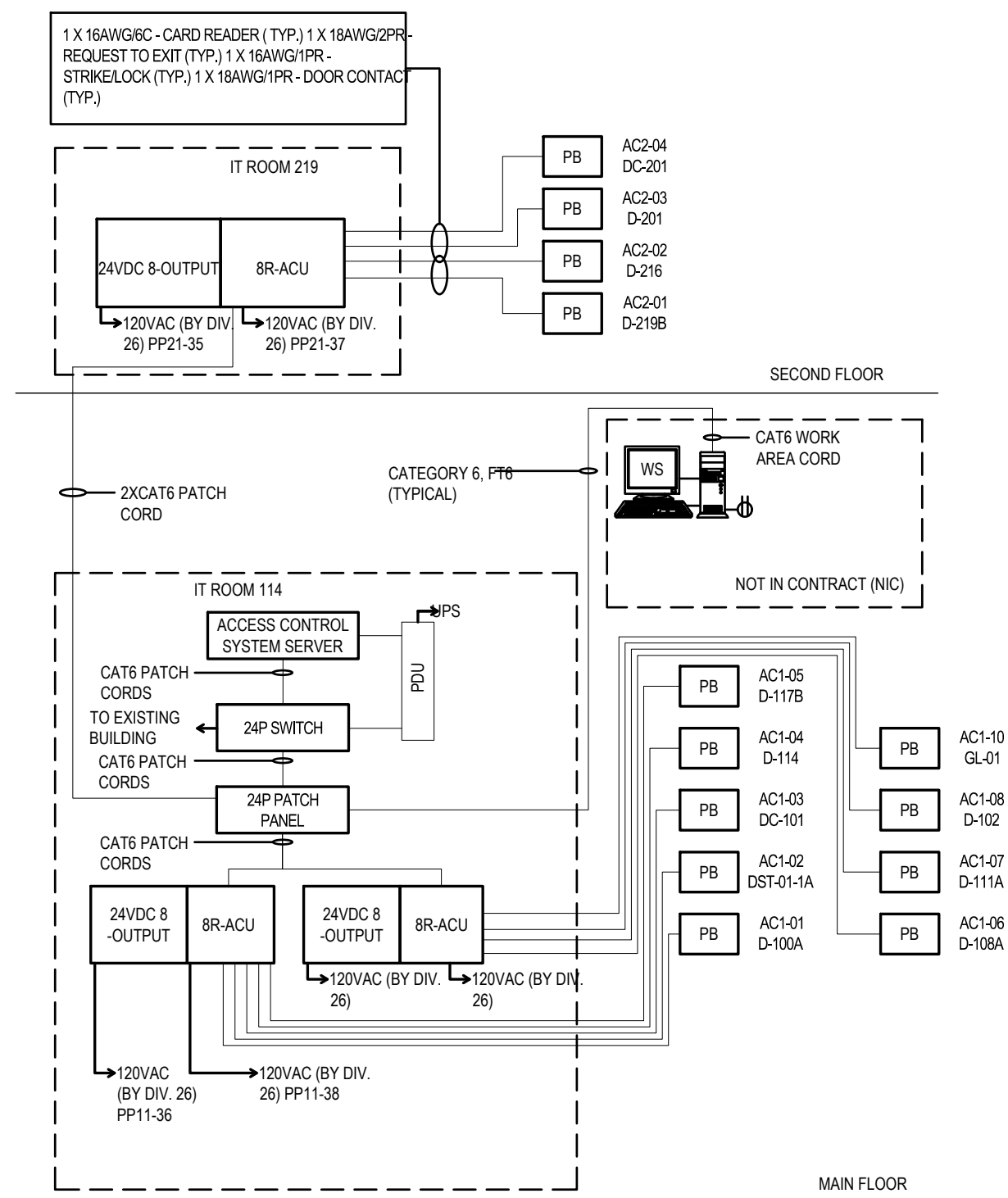
CONSULTANTS

wsp

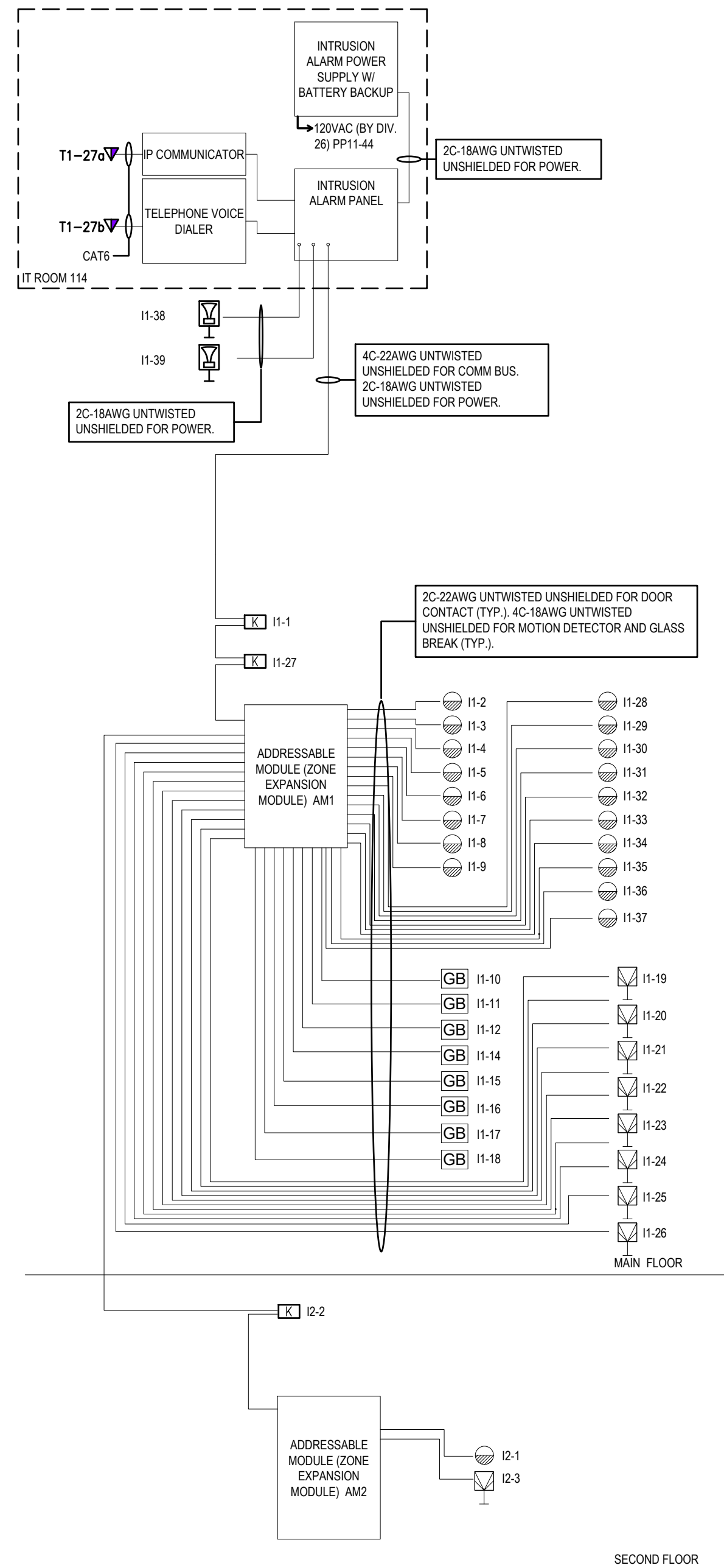
1600 BUFFALO PLACE
WINNIPEG, MANITOBA
CANADA R3T 1B8
PHONE 204-471-8800
WWW.WSPGROUP.COM



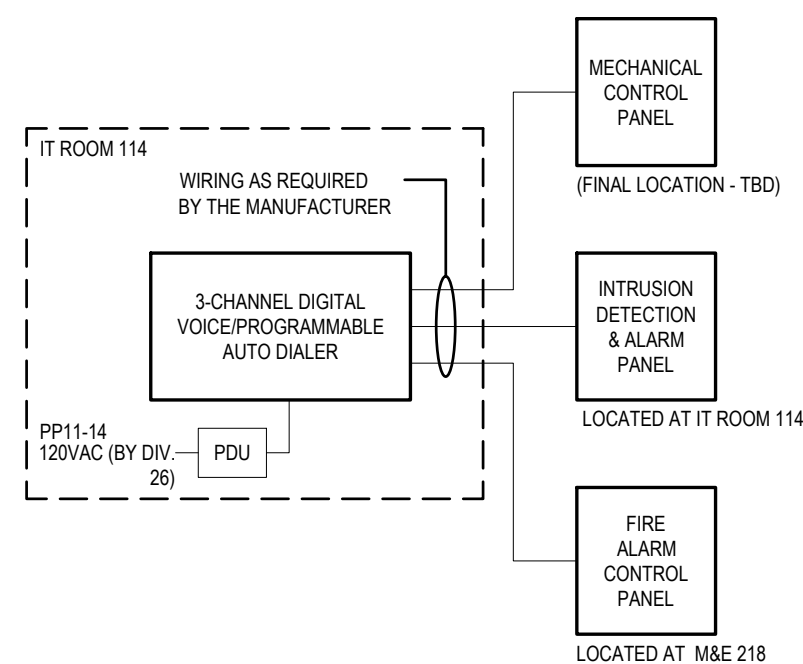
1 CCTV SYSTEM SINGLE LINE DIAGRAM
SCALE: N.T.S.



2 ACCESS CONTROL SINGLE LINE DIAGRAM
SCALE: N.T.S.



3 INTRUSION ALARM SINGLE LINE DIAGRAM
SCALE: N.T.S.



4 DIGITAL VOICE DIALER SINGLE LINE DIAGRAM
SCALE: N.T.S.

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NTNU Association of Professional Engineers and Geoscientists

May 12, 2022

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8	12/05/022	ISSUED FOR TENDER
7	29/04/022	ISSUED FOR PRE-TENDER CHECK SET
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REV	DATE	DESCRIPTION

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OPERATIONS CENTRE

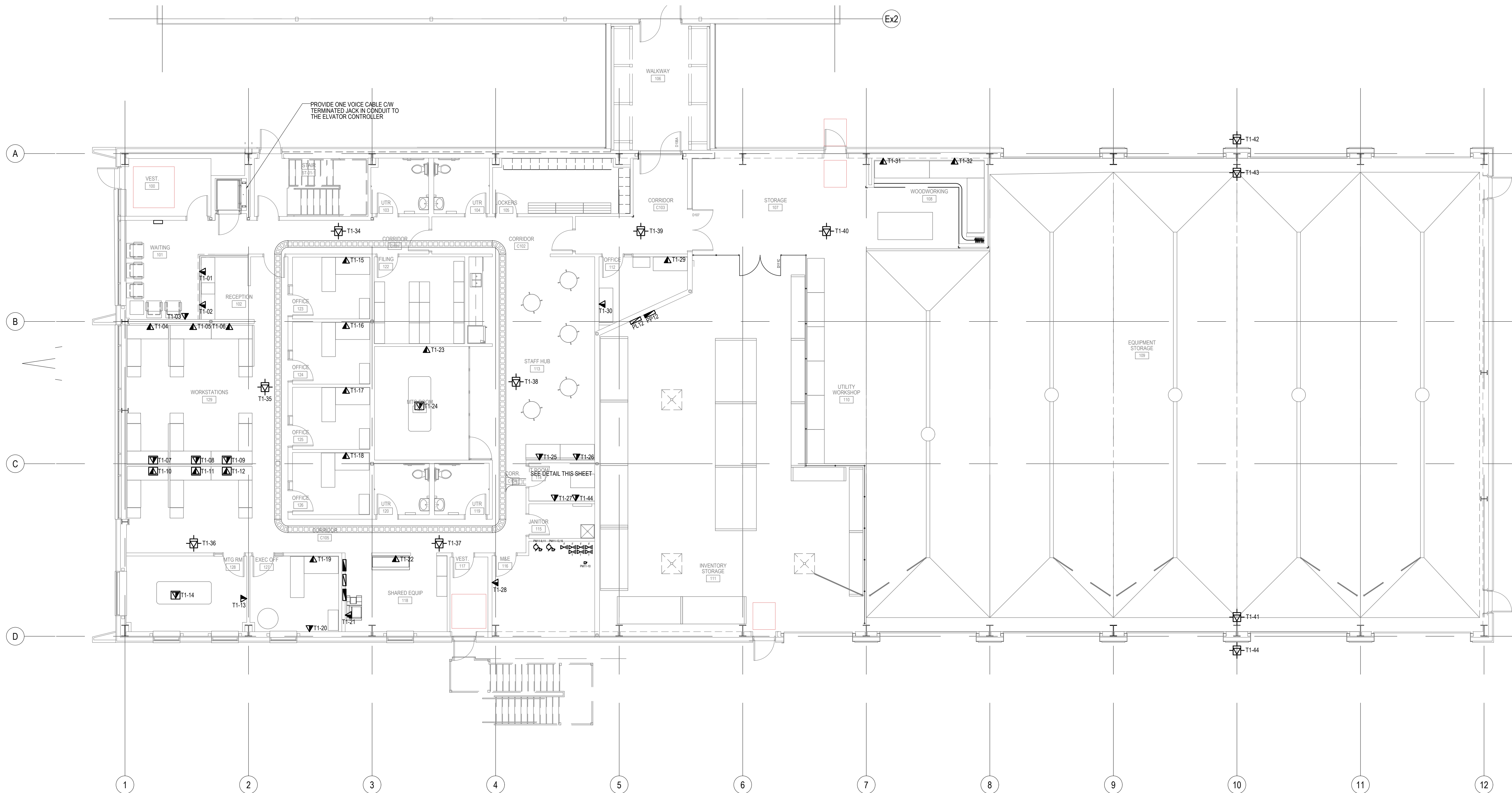
1549 FEDERAL ROAD
IQUALUIT, NUNAVUT
X0A 0H0

CLIENT PROJECT NO. 820837

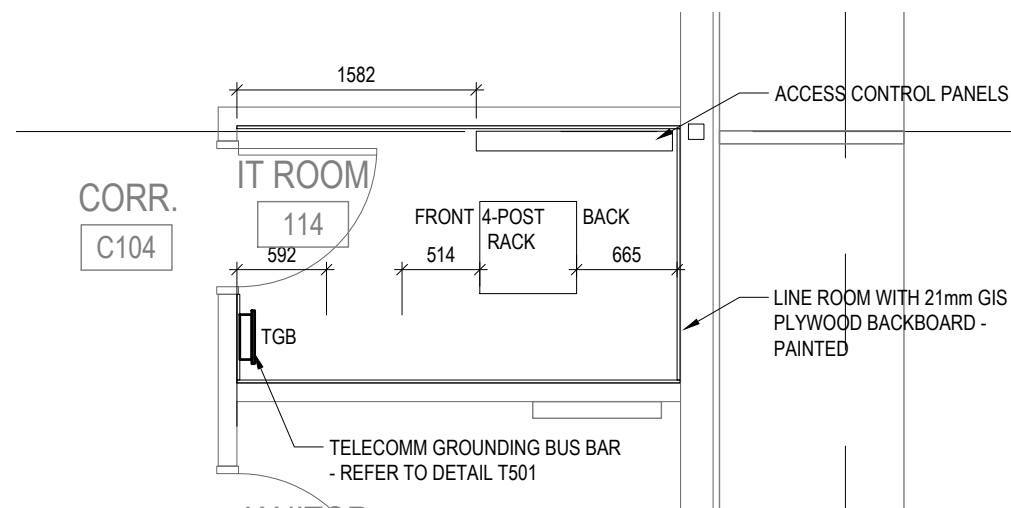
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SCALE: N/A
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DRAWN BY: ES

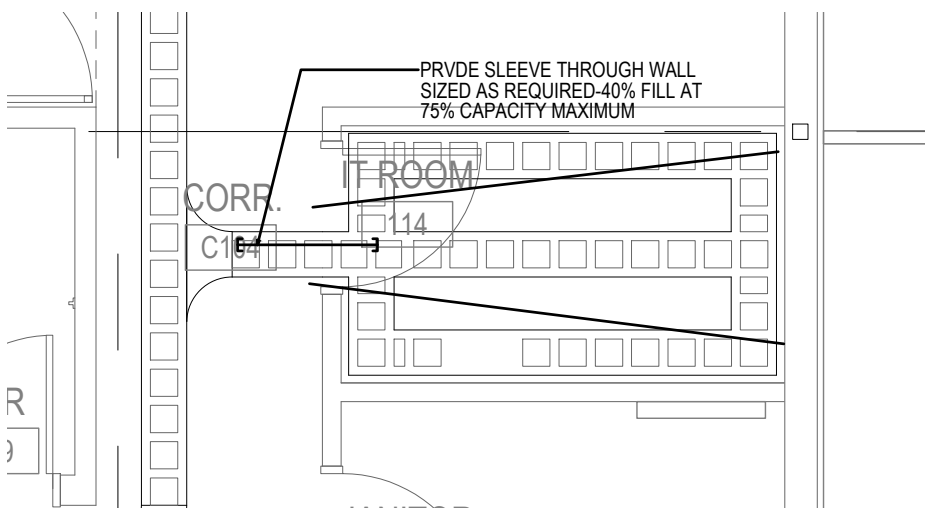
T505



1 TELECOMMUNICATIONS - FIRST FLOOR
TN10 SCALE: 1: 100



2 114 IT ROOM - EQUIPMENT
TN10 SCALE: 1: 50



3 114 IT ROOM - CABLE TRAY
TN10 SCALE: 1: 50

TELECOMMUNICATION GENERAL NOTES:

1. UNITS OF MEASUREMENT ARE IN MM UNLESS OTHERWISE NOTED.
2. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE ARCHITECTURAL CEILING PLANS, MECHANICAL AND STRUCTURAL DRAWINGS.
3. DIVISION 26 TO COORDINATE WITH THE MECHANICAL AND ARCHITECTURAL CONTRACTOR FOR THE LAYOUT OF TELECOM DEVICES.
4. REFER TO PATCH PANEL SCHEDULES TERMINATION AND LOCATION INFORMATION.
5. ALL VOICE AND DATA HORIZONTAL CABLING IN FIRST AND SECOND FLOOR SHALL UTILIZE CABLE TRAYS.
6. ALL VOICE AND DATA CABLE, BOXES AND CONDUITS ABOVE CEILING AND WALLS SHALL BE FULLY SUPPORTED AND CONNECTED WITH APPLICABLE CONNECTORS, ADAPTERS AND FITTINGS.
7. ALL WIRING TO MAINTAIN ALLOWABLE CLEARANCE WITH OTHER SERVICES.
8. ALL TELECOMS SPACE SHALL APPLY TREATMENTS, PAINTINGS AND COATING THAT MINIMIZES DUST AND STATIC ELECTRICITY.
9. ALL TELECOMS SPACE SHALL BE BUILT TO MAINTAIN A TEMPERATURE OF 18 DEG C WITH RELATIVE HUMIDITY OF 60%.
10. INSTALL ALL HORIZONTAL TELECOMMUNICATION CABLES IN CEILING SPACE USING CABLE TRAY AND CONDUITS. PROVIDE MINIMUM OF 27MM CONDUITS FOR VOICE AND DATA CABLES AND ENSURE NOT TO EXCEED 40% FILL CAPACITY.
11. PROVIDE A MINIMUM OF 127MM X 127MM OUTLET BOX FOR ALL OUTLETS COMPLETE WITH APPROPRIATE EXTENSION RINGS, ADAPTERS AND COVERS.
12. ALL METALLIC PATHWAYS, RACKS AND ENCLOSURES FOR THE TELECOMMUNICATIONS SYSTEMS SHALL BE BONDED AND GROUNDED TO THE TELECOMM GROUNDING BUS BAR.
13. WIRELESS ACCESS POINTS (WAP) TO BE SUPPLIED, INSTALLED, MAPPED, AND SET UP BY CITY OF IQUALUIT IT CONTRACTOR. CONTRACTOR TO SUPPLY AND INSTALL CAT 6 CABLE DROP AND CEILING ENCLOSURE TO EACH LOCATION. SITE SURVEY SHALL BE SUBMITTED TO THE OWNER REPRESENTATIVE AND CONSULTANT FOR REVIEW AND APPROVAL PRIOR TO FINAL PLACEMENT OF THE WIRE ACCESS POINT EQUIPMENT.

IN ADDITION TO THE ABOVE, CONTRACTOR TO ALLOW FOR THE PROVISION OF AT LEAST ONE WIRELESS ACCESS POINT IN THE EXISTING GARAGE.

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14	12/05/2022	ISSUED FOR TENDER
13	29/04/2022	ISSUED FOR PRE-TENDER CHECK SET
12	26/03/2021	ISSUED FOR CLIENT REVIEW (100%)
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8	05/02/2021	ISSUED FOR COORDINATION
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REV DATE DESCRIPTION

CLIENT

CITY OF IQUALUIT
OPERATIONS CENTRE

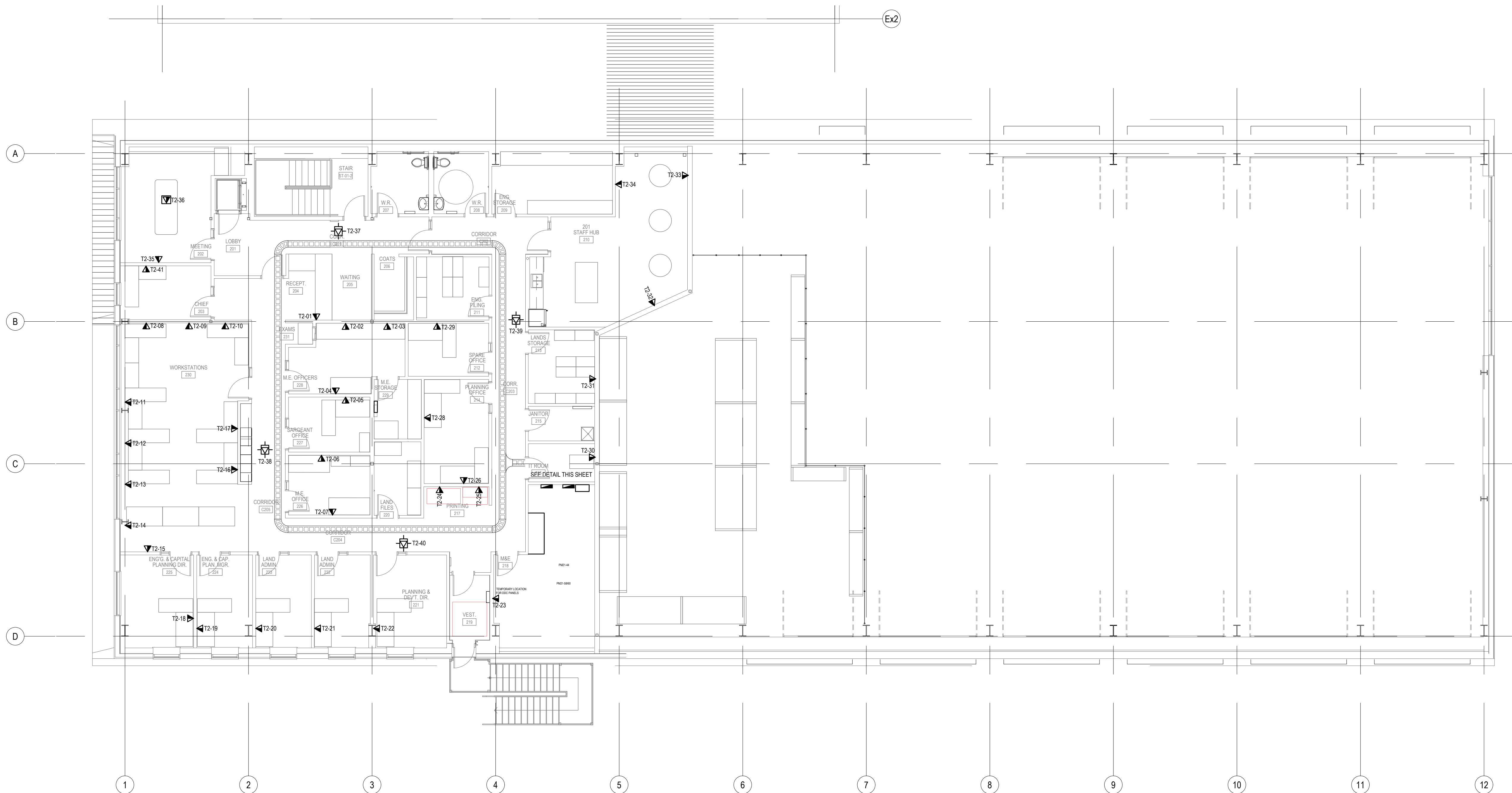
1549 FEDERAL ROAD
IQUALUIT, NUNAVUT
X0A 0H0

CLIENT PROJECT NO. 820837

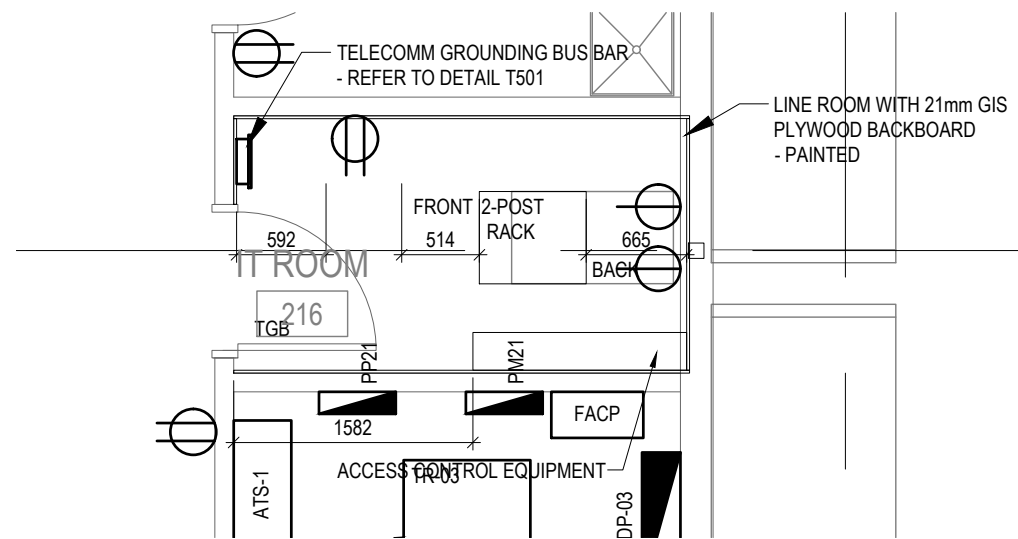
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FIRST FLOOR

SCALE: 1: 100
PROJECT NUMBER: 2019.00800
DRAWN BY: ABL

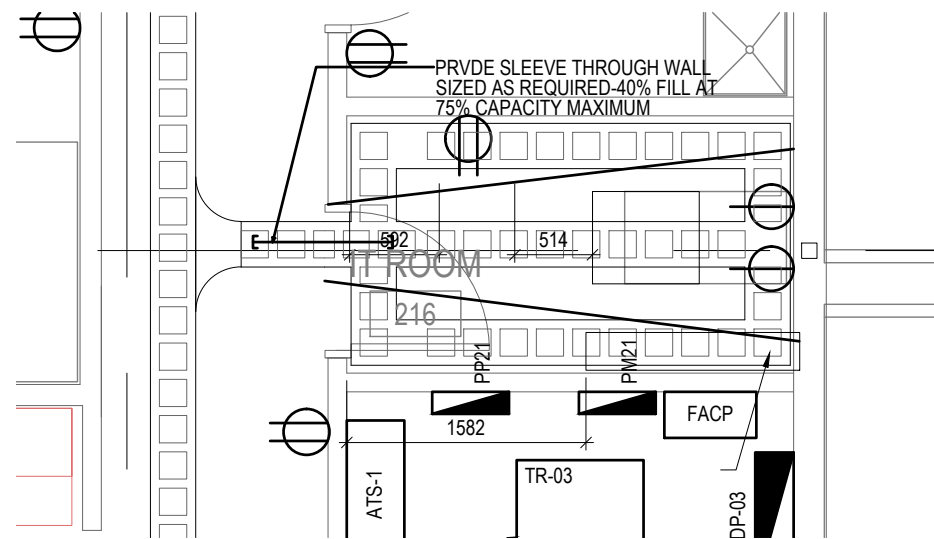
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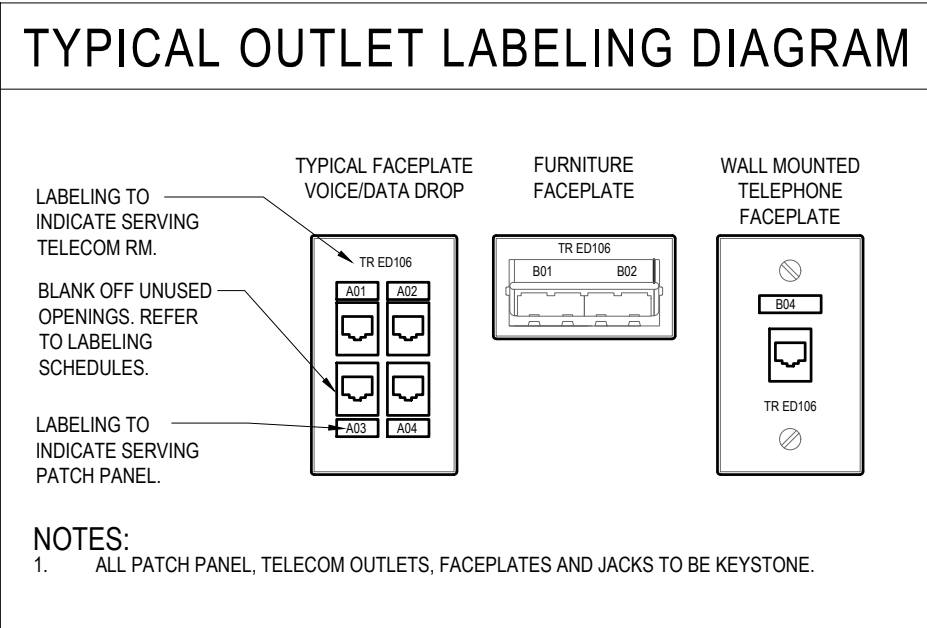
1 TELECOMMUNICATIONS - SECOND FLOOR
SCALE: 1: 100



2 210 IT ROOM - EQUIPMENT
SCALE: 1: 50



2 210 IT ROOM - CABLE TRAY
SCALE: 1: 50



TELECOMMUNICATION GENERAL NOTES:

- UNITS OF MEASUREMENT ARE IN MM UNLESS OTHERWISE NOTED.
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE ARCHITECTURAL CEILING PLANS, MECHANICAL AND STRUCTURAL DRAWINGS.
- DIVISION 26 TO COORDINATE WITH THE MECHANICAL AND ARCHITECTURAL CONTRACTOR FOR THE LAYOUT OF TELECOM DEVICES.
- REFER TO PATCH PANEL SCHEDULES TERMINATION AND LOCATION INFORMATION.
- ALL VOICE AND DATA HORIZONTAL CABLING IN FIRST AND SECOND FLOOR SHALL UTILIZE CABLE TRAYS.
- ALL VOICE AND DATA CABLE, BOXES AND CONDUITS ABOVE CEILING AND WALLS SHALL BE FULLY SUPPORTED AND CONNECTED WITH APPLICABLE CONNECTORS, ADAPTERS AND FITTINGS.
- ALL WIRING TO MAINTAIN ALLOWABLE CLEARANCE WITH OTHER SERVICES.
- ALL TELECOMS SPACE SHALL APPLY TREATMENTS, PAINTINGS AND COATING THAT MINIMIZES DUST AND STATIC ELECTRICITY.
- ALL TELECOMS SPACE SHALL BE BUILT TO MAINTAIN A TEMPERATURE OF 18-24 DEG C WITH RELATIVE HUMIDITY OF 60%.
- INSTALL ALL HORIZONTAL TELECOMMUNICATION CABLES IN CEILING SPACE USING CABLE TRAY AND CONDUITS. PROVIDE MINIMUM OF 27MM CONDUITS FOR VOICE AND DATA CABLES AND ENSURE NOT TO EXCEED 40% FILL CAPACITY.
- PROVIDE A MINIMUM OF 127MM X 127MM OUTLET BOX FOR ALL OUTLETS COMPLETE WITH APPROPRIATE EXTENSION RINGS, ADAPTERS AND COVERS.
- ALL METALLIC PATHWAYS, RACKS AND ENCLOSURES FOR THE TELECOMMUNICATIONS SYSTEMS SHALL BE BONDED AND GROUNDED TO THE TELECOMS GROUNDING BUS BAR.
- WIRELESS ACCESS POINTS (WAP) TO BE SUPPLIED, INSTALLED, MAPPED, AND SET UP BY CONTRACTOR. CONTRACTOR TO SUPPLY AND INSTALL CAT 6 CABLE DROP AND CEILING ENCLOSURE TO EACH LOCATION. SITE SURVEY SHALL BE SUBMITTED TO THE OWNER REPRESENTATIVE AND CONSULTANT FOR REVIEW AND APPROVAL PRIOR TO FINAL PLACEMENT OF THE WIRE ACCESS POINT EQUIPMENT.

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13	28/04/2022	ISSUED FOR PRE-TENDER CHECK SET
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5	12/06/2020	ISSUED FOR 95% REVIEW
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3	03/05/2020	ISSUED FOR REVIEW
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REV DATE DESCRIPTION

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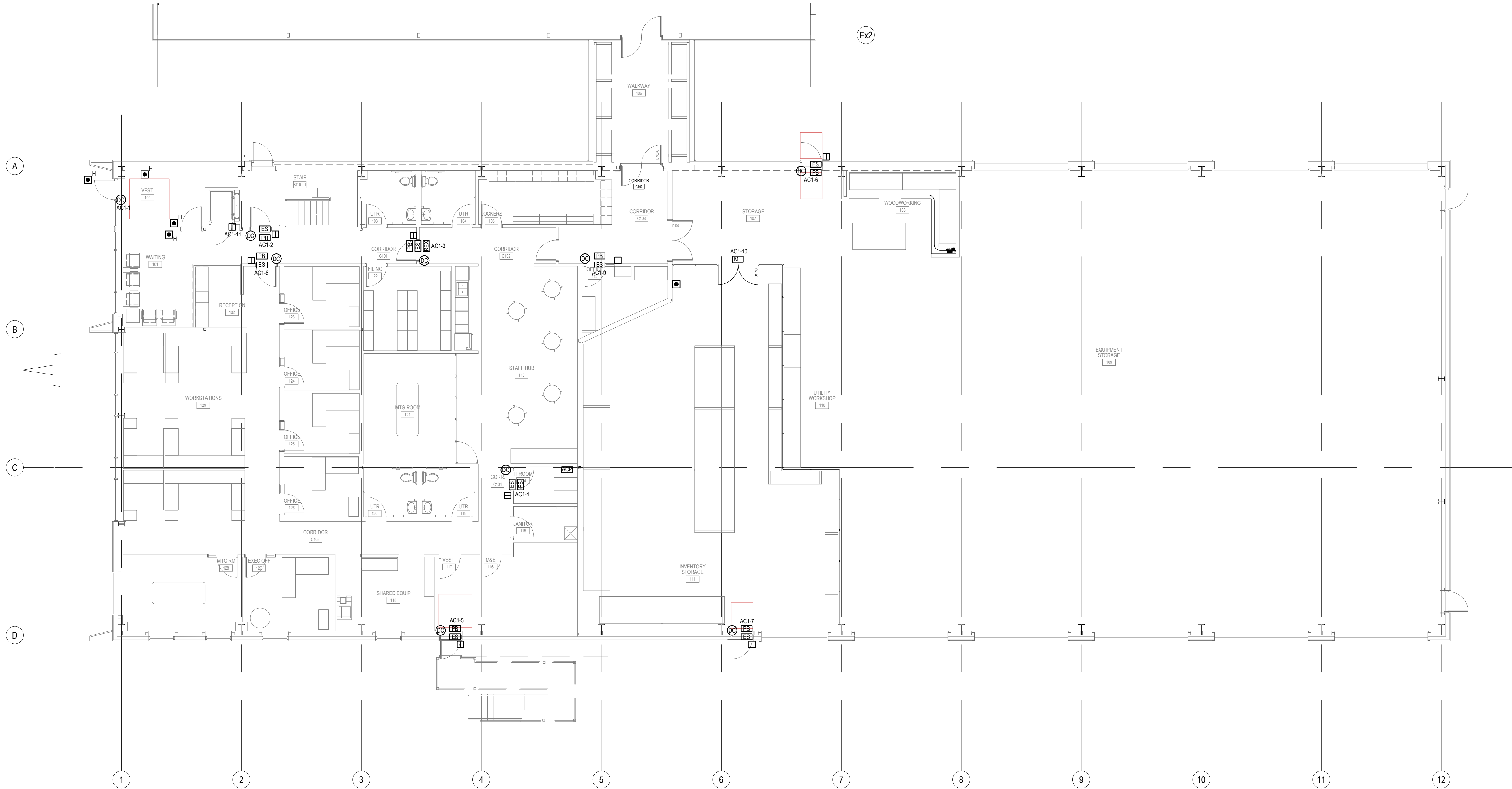
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IQALUIT, NUNAVUT
X0A 0H0

CLIENT PROJECT NO. 820837

TITLE:
TELECOMMUNICATIONS PLAN
SECOND FLOOR

SCALE: 1: 100
PROJECT NUMBER: 2019.00800
DRAWN BY: ABL

TN20



1 ACCESS CONTROL SECURITY - FIRST FLOOR
TA10 SCALE: 1: 100

GENERAL NOTES

1. REFER TO DRAWING T505 - SECURITY SYSTEMS DIAGRAMS FOR LOCATIONS OF EQUIPMENT
2. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS, DOOR HARDWARE SCHEDULE, AND SPECIFICATIONS
3. COORDINATE LOCATION OF ACCESS CONTROL DEVICES AND ACCESSORIES WITH SECURITY CONTRACTOR PRIOR TO ROUGH-IN.

CONSULTANTS



1600 BUFFALO PLACE
WINNIPEG, MANITOBA
CANADA R2T 6B6
PHONE 204-471-8800
WWW.WSPGROUP.COM

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REV	DATE	DESCRIPTION

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CITY OF IQALUIT
OPERATIONS CENTRE

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IQALUIT, NUNAVUT
X0A 0H0

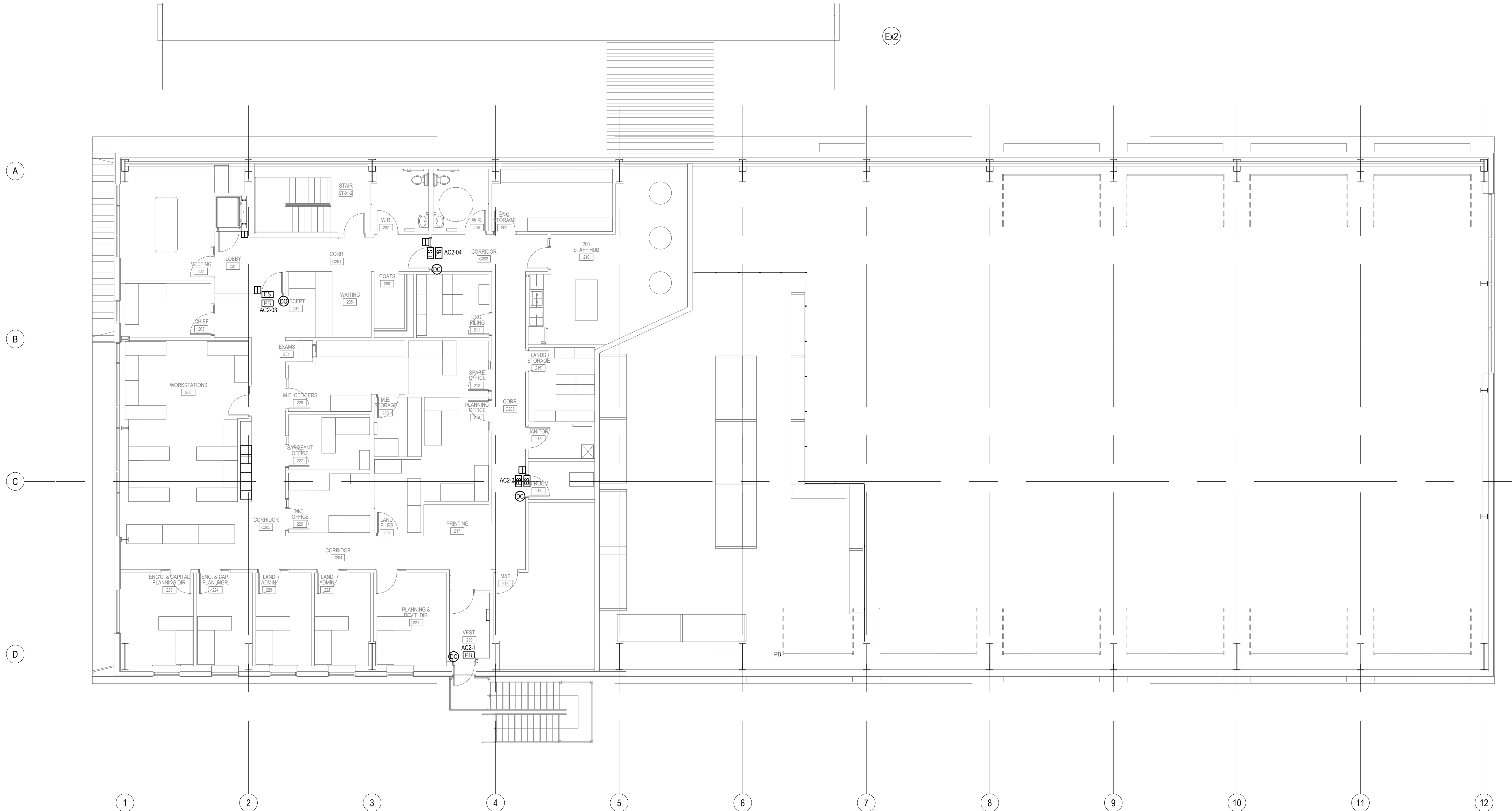
CLIENT PROJECT NO. 820837

TITLE:

ACCESS CONTROL & SECURITY
FIRST FLOOR

SCALE: 1 : 100
PROJECT NUMBER: 2019.00800
DRAWN BY: ABL

TA10



1 SECOND FLOOR - ACCESS CONTROL
TA20 SCALE: 1: 100

- GENERAL NOTES
1. REFER TO DRAWING T505 - SECURITY SYSTEMS DIAGRAMS FOR LOCATIONS OF EQUIPMENT.
 2. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS, DOOR HARDWARE SCHEDULE, AND SPECIFICATIONS.
 3. COORDINATE LOCATION OF ACCESS CONTROL DEVICES AND ACCESSORIES WITH SECURITY CONTRACTOR PRIOR TO ROUGH-IN.

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REV	DATE	DESCRIPTION

CLIENT
CITY OF IQALUIT
OPERATIONS CENTRE

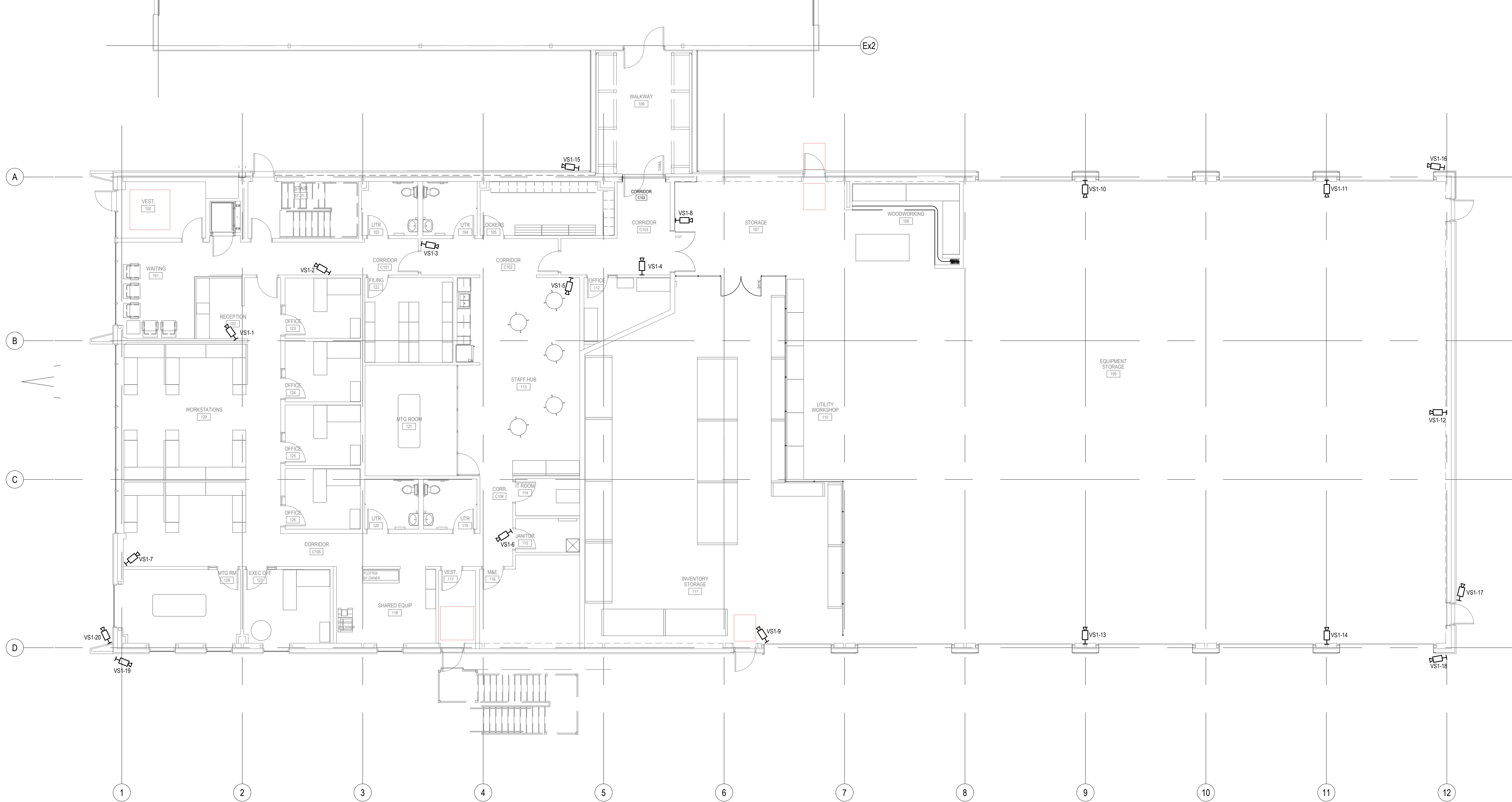
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IQALUIT, NUNAVUT
X0A 0H0

CLIENT PROJECT NO. 820837

TITLE:
ACCESS CONTROL SECURITY
SECOND FLOOR

SCALE: 1 : 100
PROJECT NUMBER: 2019.00800
DRAWN BY: ABL

TA20



1
TV10
CCTV SYSTEM - FIRST FLOOR
SCALE: 1: 100

GENERAL NOTES

1. REFER TO DRAWING T505 - SECURITY SYSTEMS DIAGRAMS FOR LOCATIONS OF EQUIPMENT.
2. EXISTING CAMERA IN THE EXISTING GARAGE TO BE REPLACED BY CITY OF IQALUIT IT CONTRACTOR.

CONSULTANTS



1600 BUFFALO PLACE
WINNIPEG, MANITOBA
CANADA R2T 6B6
PHONE 204-471-6800
WWW.WSPGROUP.COM

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PERMIT TO PRACTICE

WSP Canada Inc.

Signature: *[Signature]*

Date 2022-05-12

PERMIT NUMBER: P407

NTNU Association of Professional
Engineers and Geoscientists



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REV DATE DESCRIPTION

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CITY OF IQALUIT
OPERATIONS CENTRE

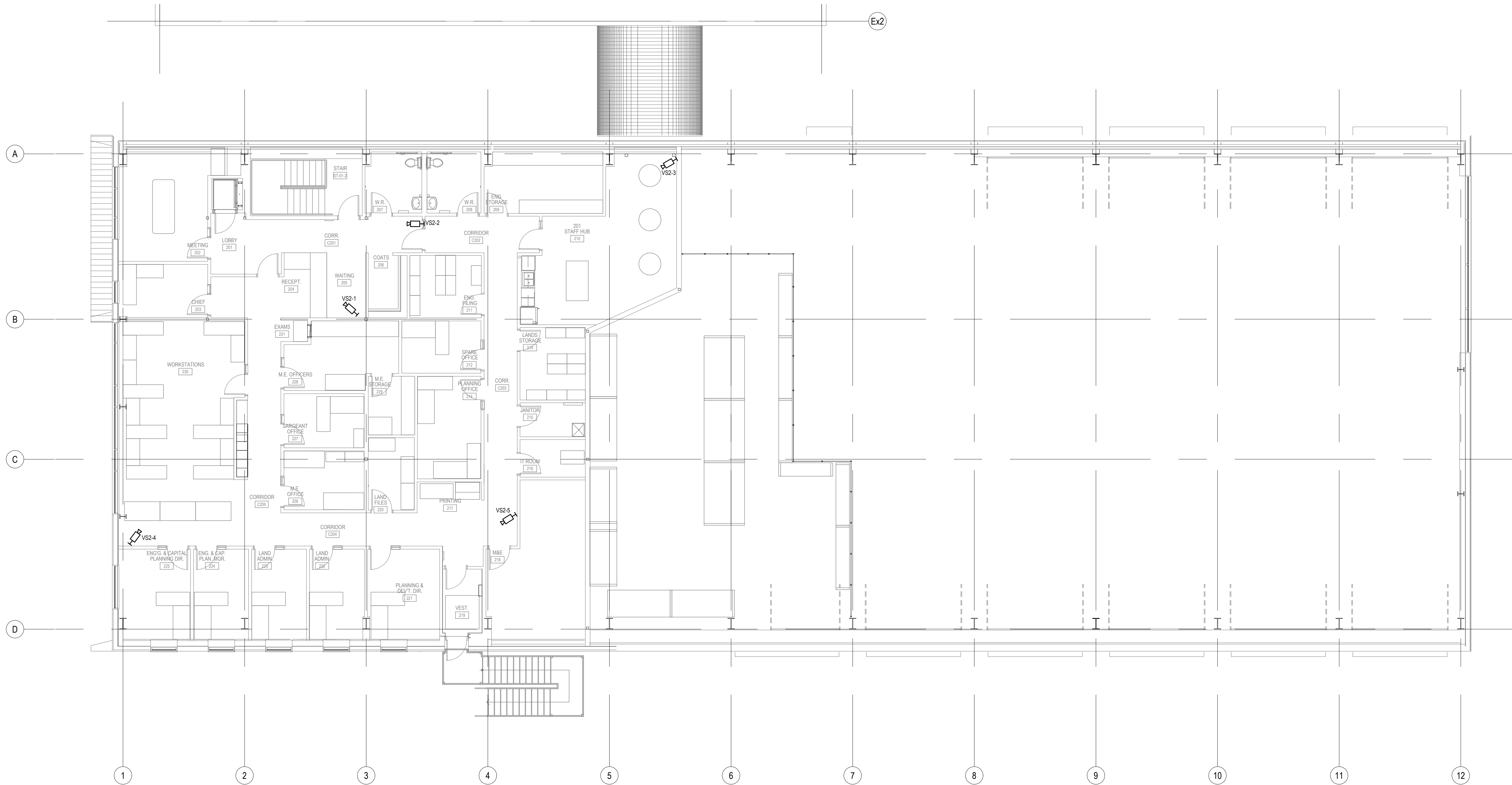
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IQALUIT, NUNAVUT
X0A 0H0

CLIENT PROJECT NO. 820837

TITLE:
CCTV SYSTEM
FIRST FLOOR

SCALE: 1: 100
PROJECT NUMBER: 2019.00800
DRAWN BY: ABL

TV10



1
TV20
CCTV SYSTEM - SECOND FLOOR
SCALE: 1: 100

GENERAL NOTES

1. REFER TO DRAWING T505 - SECURITY SYSTEMS DIAGRAMS FOR LOCATIONS OF EQUIPMENT

CONSULTANTS



1600 BUFFALO PLACE
WINNIPEG, MANITOBA
CANADA R2T 1B8
PHONE 204-471-1800
WWW.WSPGROUP.COM

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CONSTRUCTION

PERMIT TO PRACTICE

WSP Canada Inc.

Signature: *[Signature]*

Date 2022-05-12

PERMIT NUMBER: P407

NTNU Association of Professional
Engineers and Geoscientists



PERMIT / STAMP

14	12/05/2022	ISSUED FOR TENDER
13	29/04/2022	ISSUED FOR PRE-TENDER CHECK SET
12	26/03/2021	ISSUED FOR CLIENT REVIEW (100%)
11	24/02/2021	ISSUED FOR REVIEW
10	17/02/2021	ISSUED FOR CLIENT REVIEW (100%)
9	12/02/2021	ISSUED FOR COORDINATION
8	05/02/2021	ISSUED FOR COORDINATION
7	25/01/2021	ISSUED FOR CLASS A ESTIMATE
6	15/01/2021	ISSUED FOR COORDINATION
5	12/06/2020	ISSUED FOR 95% REVIEW
4	03/11/2020	ISSUED FOR OWNER REVIEW
3	03/05/2020	ISSUED FOR REVIEW
2	12/20/2019	ISSUED FOR REVIEW
1	11/29/2019	ISSUED FOR 50% REVIEW

REV DATE DESCRIPTION

CLIENT

CITY OF IQALUIT
OPERATIONS CENTRE

1549 FEDERAL ROAD
IQALUIT, NUNAVUT
X0A 0H0

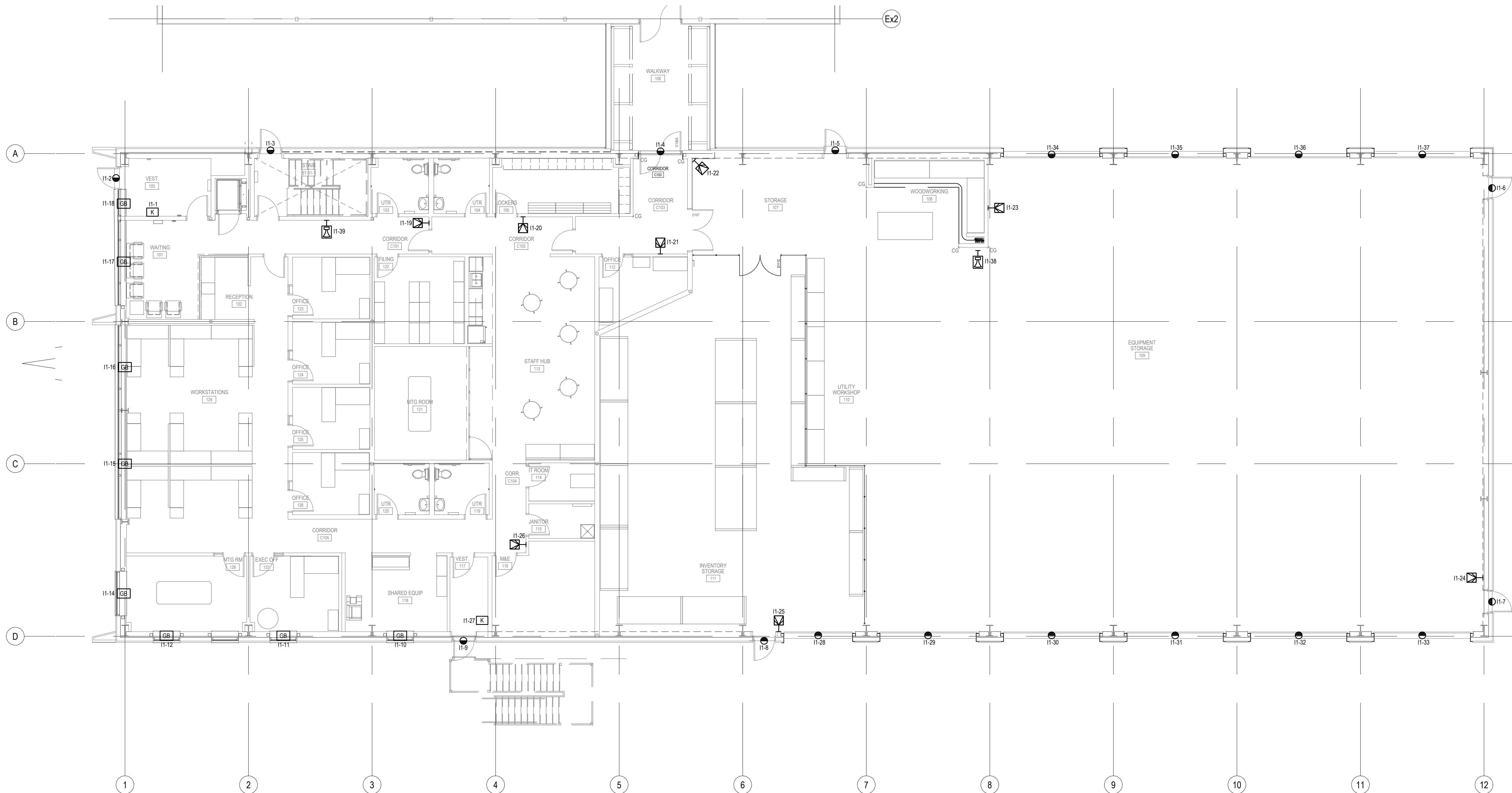
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TITLE:

CCTV SYSTEM
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SCALE: 1: 100
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TV20



1 INTRUSION ALARM - FIRST FLOOR
TM10 SCALE: 1: 100

TELECOMMUNICATION GENERAL NOTES:

1. UNITS OF MEASUREMENT ARE IN MM UNLESS OTHERWISE NOTED.
2. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE ARCHITECTURAL CEILING PLANS, MECHANICAL AND STRUCTURAL DRAWINGS.
3. DIVISION 26 TO COORDINATE WITH THE MECHANICAL AND ARCHITECTURAL CONTRACTOR FOR THE LAYOUT OF TELECOM DEVICES.
4. REFER TO PATCH PANEL SCHEDULES TERMINATION AND LOCATION INFORMATION.
5. ALL VOICE AND DATA HORIZONTAL CABLING IN FIRST AND SECOND FLOOR SHALL UTILIZE CABLE TRAYS.
6. ALL VOICE AND DATA CABLE, BOXES AND CONDUITS ABOVE CEILING AND WALLS SHALL BE FULLY SUPPORTED AND CONNECTED WITH APPLICABLE CONNECTORS, ADAPTERS AND FITTINGS.
7. ALL WIRING TO MAINTAIN ALLOWABLE CLEARANCE WITH OTHER SERVICES.
8. ALL TELECOMS SPACE SHALL APPLY TREATMENTS, PAINTINGS AND COATING THAT MINIMIZES DUST AND STATIC ELECTRICITY.
9. ALL TELECOMS SPACE SHALL BE BUILT TO MAINTAIN A TEMPERATURE OF 18-24 DEG C WITH RELATIVE HUMIDITY OF 60%.
10. INSTALL ALL HORIZONTAL TELECOMMUNICATION CABLES IN CEILING SPACE USING CABLE TRAY AND CONDUITS. PROVIDE MINIMUM OF 27MM CONDUITS FOR VOICE AND DATA CABLES AND ENSURE NOT TO EXCEED 40% FILL CAPACITY.
11. PROVIDE A MINIMUM OF 127MM X 127MM OUTLET BOX FOR ALL OUTLETS COMPLETE WITH APPROPRIATE EXTENSION RINGS, ADAPTERS AND COVERS.
12. ALL METALLIC PATHWAYS, RACKS AND ENCLOSURES FOR THE TELECOMMUNICATIONS SYSTEMS SHALL BE BONDED AND GROUNDED TO THE TELECOMM GROUNDING BUS BAR.
13. WIRELESS ACCESS POINTS (WAP) TO BE SUPPLIED, INSTALLED, MAPPED, AND SET UP BY CONTRACTOR. CONTRACTOR TO SUPPLY AND INSTALL CAT 6 CABLE DROP AND CEILING ENCLOSURE TO EACH LOCATION. SITE SURVEY SHALL BE SUBMITTED TO THE OWNER REPRESENTATIVE AND CONSULTANT FOR REVIEW AND APPROVAL PRIOR TO FINAL PLACEMENT OF THE WIRE ACCESS POINT EQUIPMENT.

VERNE REIMER
ARCHITECTURE

INCORPORATED

109-374 River Avenue, Winnipeg MB Canada, R3L 0E4
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The general contractor and/or project manager shall verify dimensions and data noted herein with conditions on the site and is held responsible for reporting any discrepancy to the architect for adjustment. Do not scale the drawings.

CONSULTANTS

wsp

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CITY OF IQUALUIT
OPERATIONS CENTRE

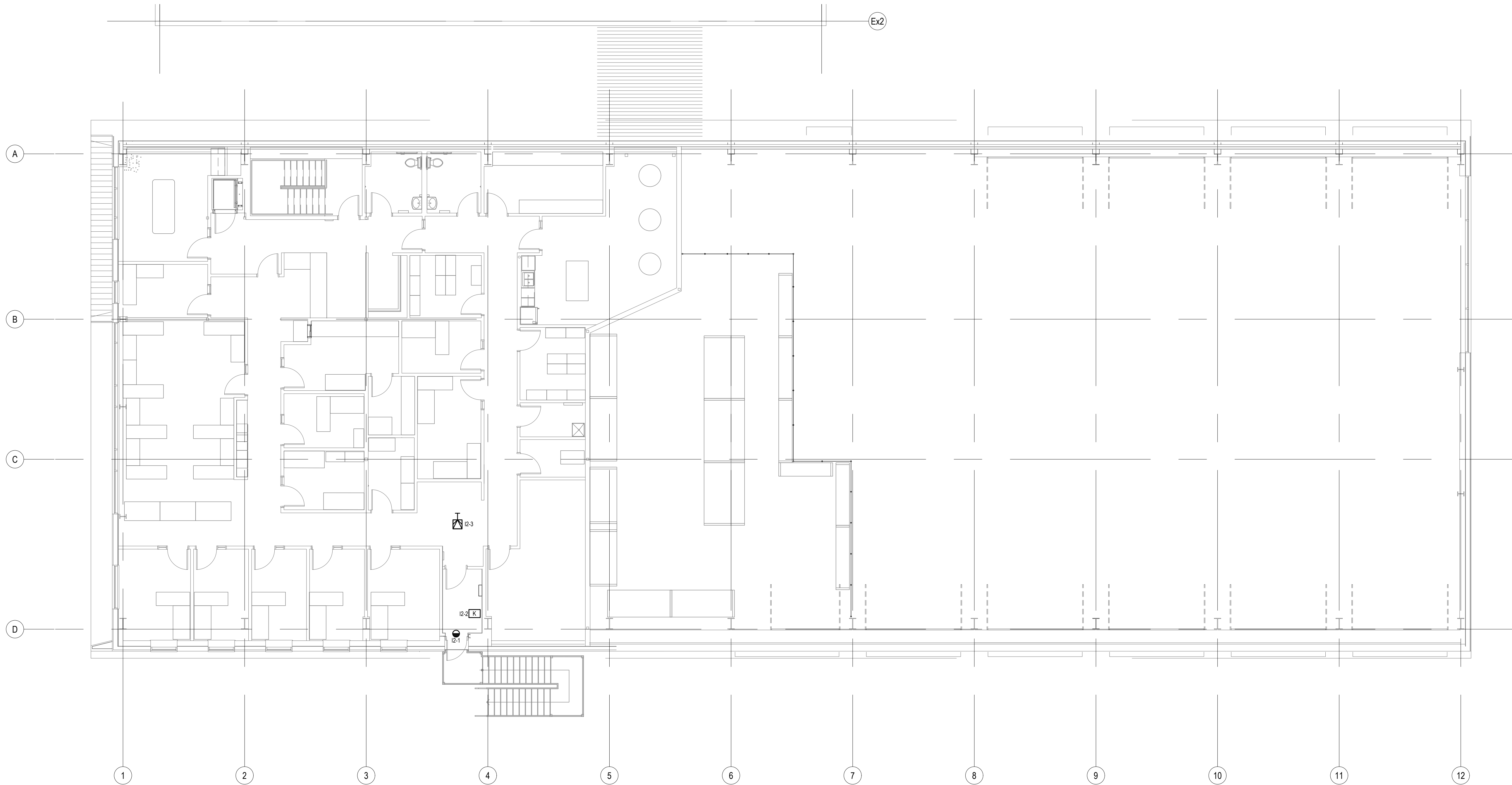
1549 FEDERAL ROAD
IQUALUIT, NUNAVUT
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CLIENT PROJECT NO. 820837

TITLE:
INTRUSION ALARM PLAN
FIRST FLOOR

SCALE: 1 : 100
PROJECT NUMBER: 2019.00800
DRAWN BY: ABL

TM10



1 INTRUSION ALARM - SECOND FLOOR
TM20 SCALE: 1: 100

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