

ESPRIT PLACE RENOVATION

DIST. OF PARRY SOUND SOCIAL SERVICES ADMINISTRATION BOARD


3A BEECHWOOD DRIVE
PARRY SOUND, ONTARIO

ISSUED FOR TENDER & PERMIT

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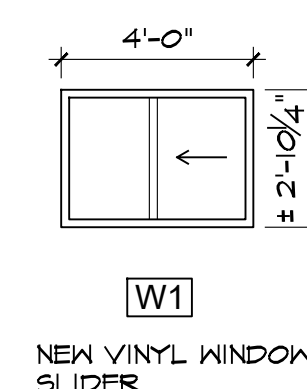
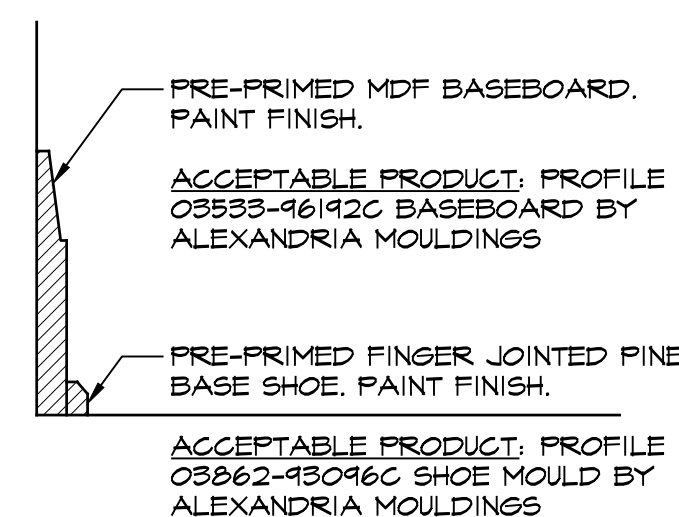
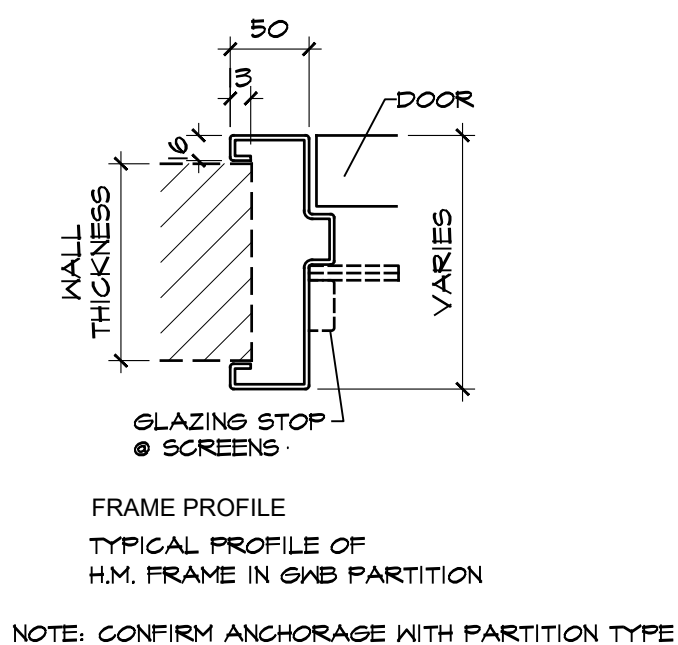
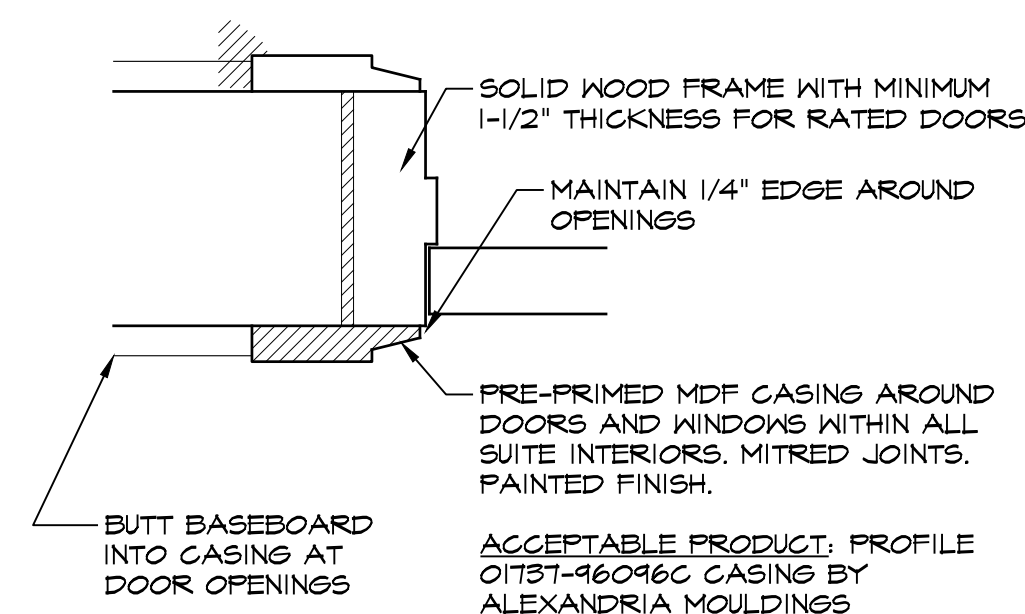
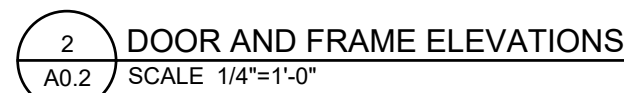
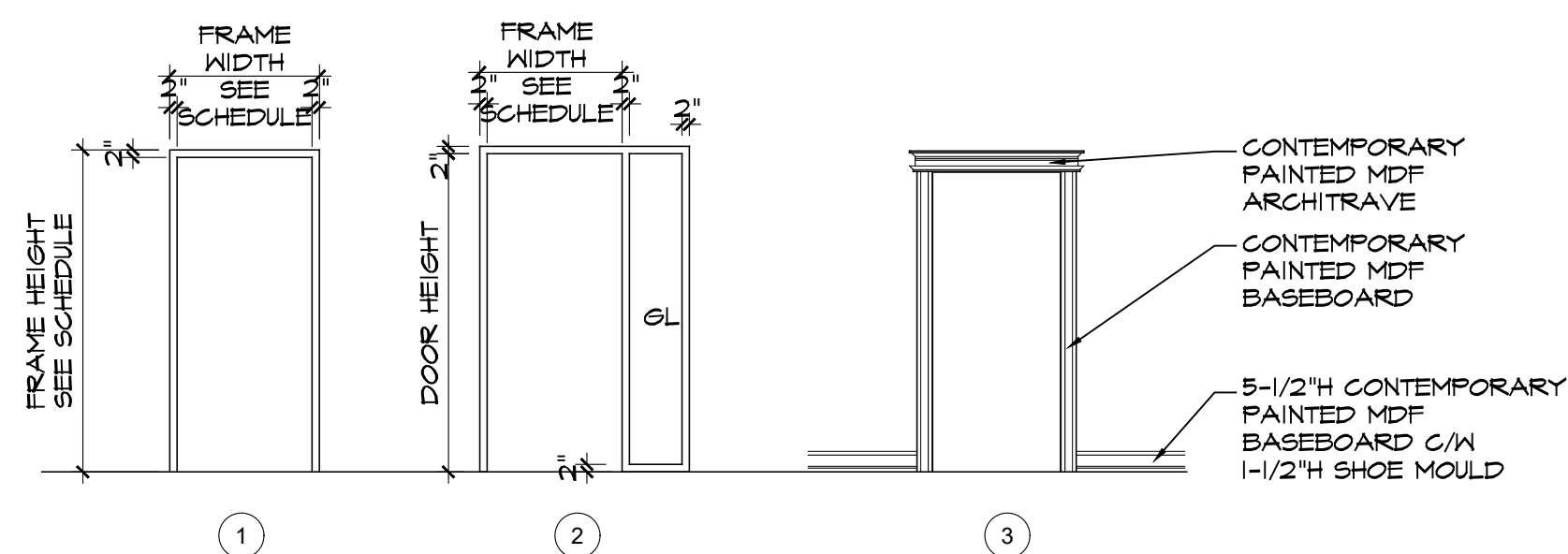
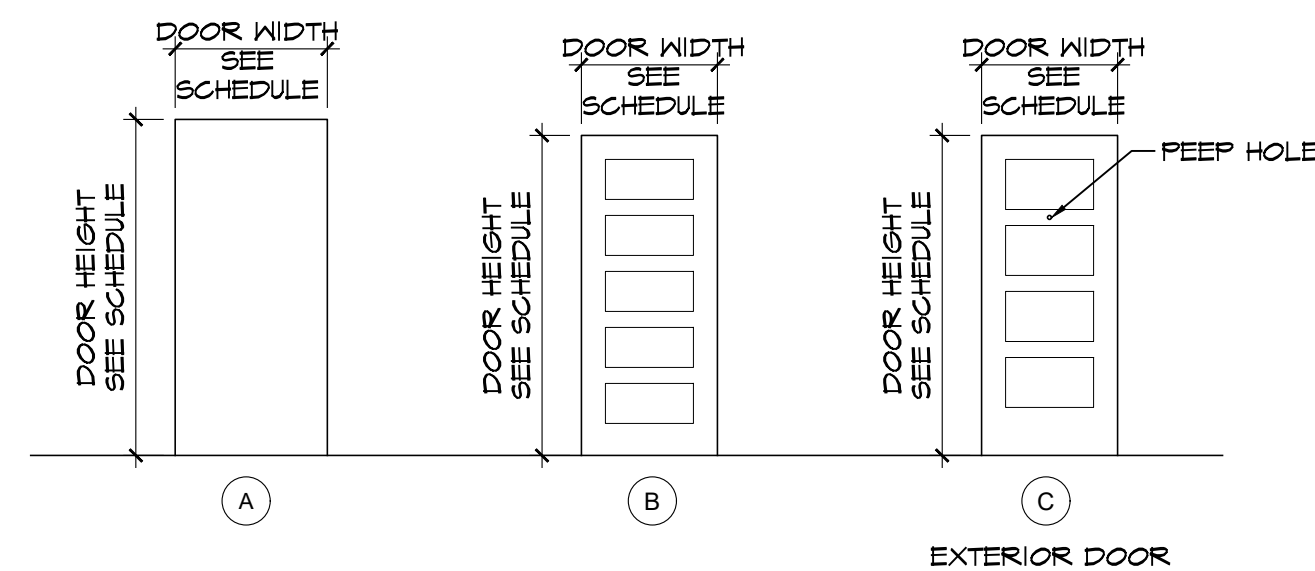
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Project: ESPRIT PLACE RENOVATION
DIST. OF PARRY SOUND SOCIAL SERVICES ADMIN. BD.
3A BEECHWOOD DRIVE
PARRY SOUND, ONTARIO

Title: COVER SHEET


revision date: MARCH 8, 2024
ISSUED FOR TENDER & PERMIT
project number: 2356

dwg no: **A0.0**

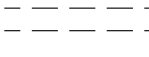


The diagram illustrates various drawing symbols and their corresponding labels:


- DRAWING #**: A circle with a horizontal line through the center, labeled "1" above and "2.02" below.
- DRAWING TITLE**: A circle with a horizontal line through the center, labeled "1" above and "2.07" below.
- DRAWING SCALE**: A circle with a horizontal line through the center, labeled "1" above and "2.07" below.
- SHEET #**: A circle with a horizontal line through the center, labeled "1" above and "2.07" below.
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- ELEVATION DRAWING #**: A diamond shape with a horizontal line through the center, labeled "1" above and "2.07" below.
- DRAWING AND SHEET #**: A diamond shape with a horizontal line through the center, labeled "1" above and "2.07" below.
- SECTION DRAWING #**: A diamond shape with a horizontal line through the center, labeled "1" above and "2.07" below.
- SHEET #**: A diamond shape with a horizontal line through the center, labeled "1" above and "2.07" below.




AREA OF WORK/ EXTENT OF CONTRACT




EXISTING BUILDING ELEMENTS TO BE REMOVED / DEMOLISHED & DISPOSED.




EXISTING WALL TO REMAIN




NEW FRAMED WALLS / PARTITIONS & FURRINGS. SEE PARTITION TYPE SCHEDULE.




NEW WALLS WITH BATT INSULATION. PROVIDE SOUND BATT FOR INTERIOR WALLS & MAINTAIN CONTINUITY OF BATT INSULATION AROUND ENTIRE ROOM WHERE INDICATED.



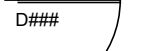
30 MINUTE FIRE SEPARATION



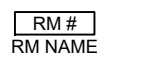
EXISTING DOOR AND FRAME TO BE REMOVED & DISPOSED.



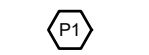
EXISTING DOOR AND FRAME TO REMAIN



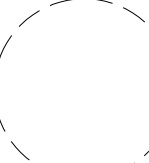
NEW DOOR & FRAME & DOOR IDENTIFICATION (SEE DOOR SCHEDULE & DOOR/FRAME ELEVATIONS).




ROOM NAME & NUMBER (DEMOLITION ROOM NAMES MAY NOT MATCH PROPOSED FLOOR PLANS. ROOM FINISH SCHEDULE REFLECTS FLOOR PLANS).



PARTITION / FURRING IDENTIFICATION TAG (SEE PARTITION / FURRING TYPE SCHEDULE).



BARRIER-FREE TURNING RADIUS (RADIUS VARIES)



ELECTRONIC SECURITY

ACT-1
2'-0"x2'-0" ACOUSTIC
TILE CEILING SYSTEM (ACT).

GWB
- 1/2" GWB W/ PAINTED FINISH

LIGHTING FIXTURE
- TYPE & SIZE VARIES REFER
TO ELECTRICAL DRAWINGS

DOWN LIGHT FIXTURE
- TYPE & SIZE VARIES REFER
TO ELECTRICAL DRAWINGS

WALL MOUNTED LIGHT FIXTURE
- TYPE & SIZE VARIES REFER
TO ELECTRICAL DRAWINGS

WALL MOUNTED LIGHTING FIXTURE
- TYPE & SIZE VARIES REFER
TO ELECTRICAL DRAWINGS

MAR 06/2024	ISSUED FOR TENDER & PERMIT	3	
02/28/2024	ISSUED FOR PRE-TENDER REVIEW	2	
02/09/2024	ISSUED FOR PRE-TENDER REVIEW	1	



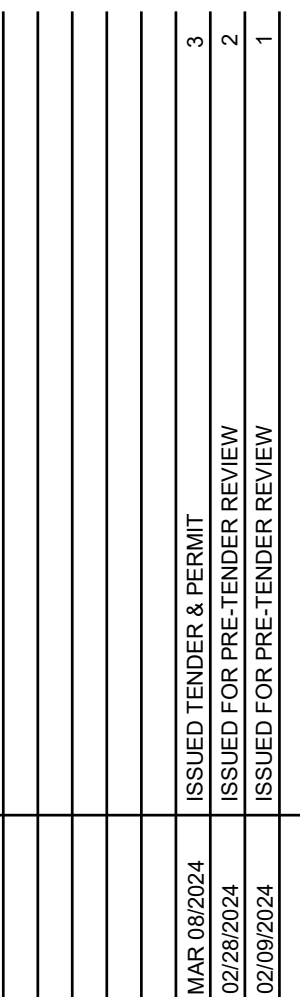
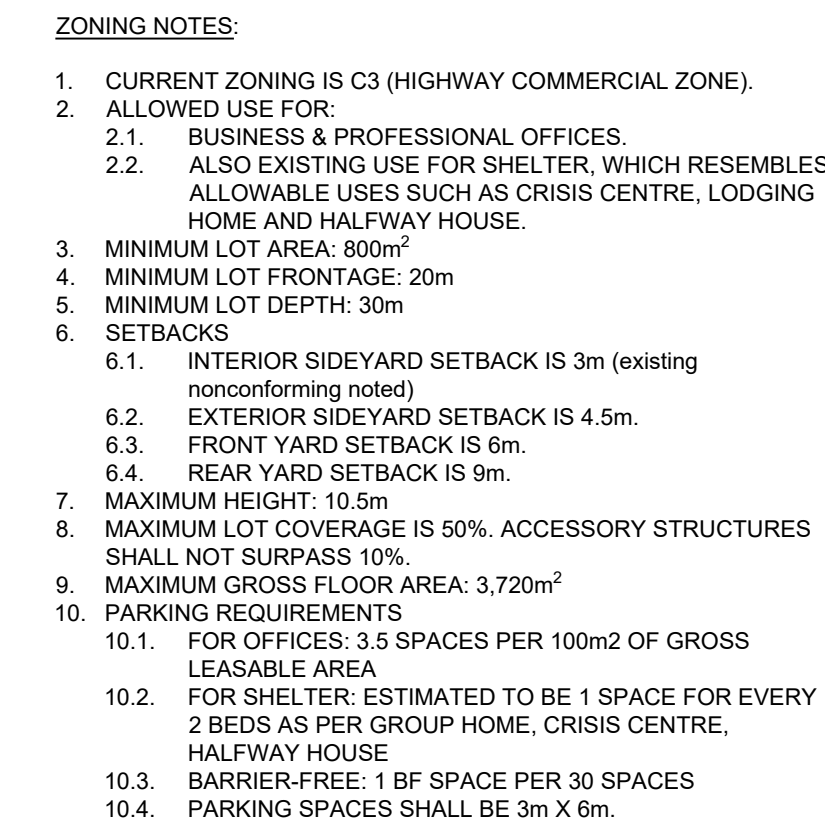
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project: **ESPRIT PLACE RENOVATION**
DIST. OF PARRY SOUND SOCIAL SERVICES ADMIN. BD.
3A BEECHWOOD DRIVE

LEGENDS

drawn by: KD/JA	checked by: MBW
scale: AS NOTED	project no: 2356
date plotted: Mar 08, 2024	
revision date: Mar 08, 2024	
dwn no:	

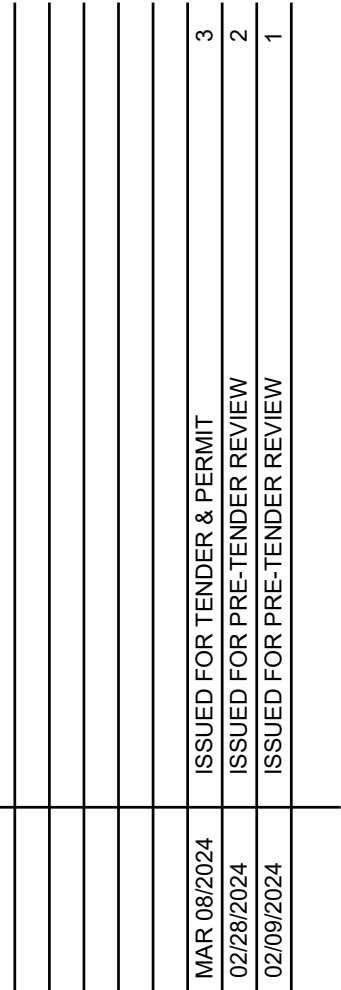
A0.2



drawn by: MBW	checked by: MBW
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revision date: Mar 08, 2024	

dwg no:

A1.0

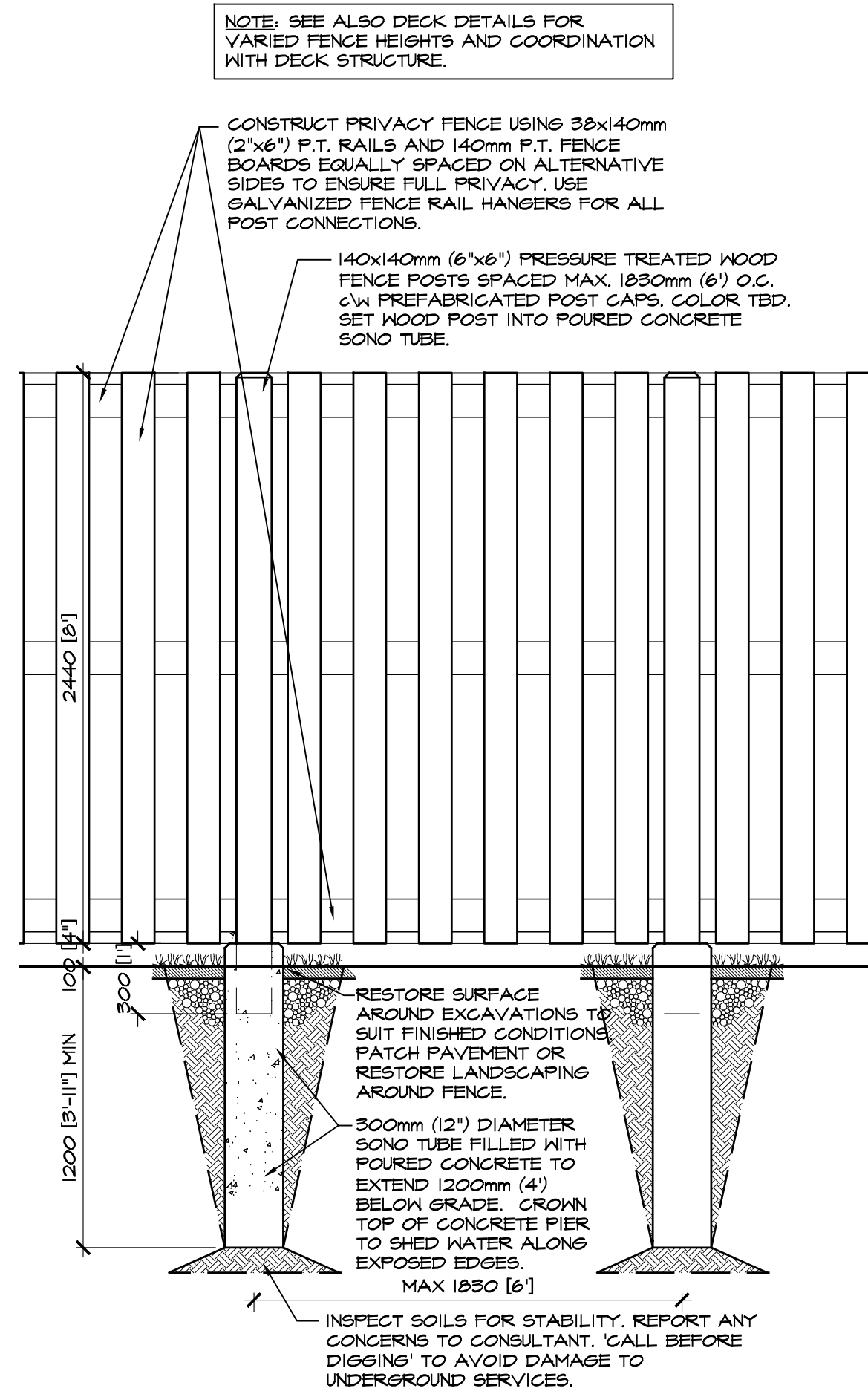


DETAILED SITE PLAN EXISTING AND SELECTIVE DEMOLITION

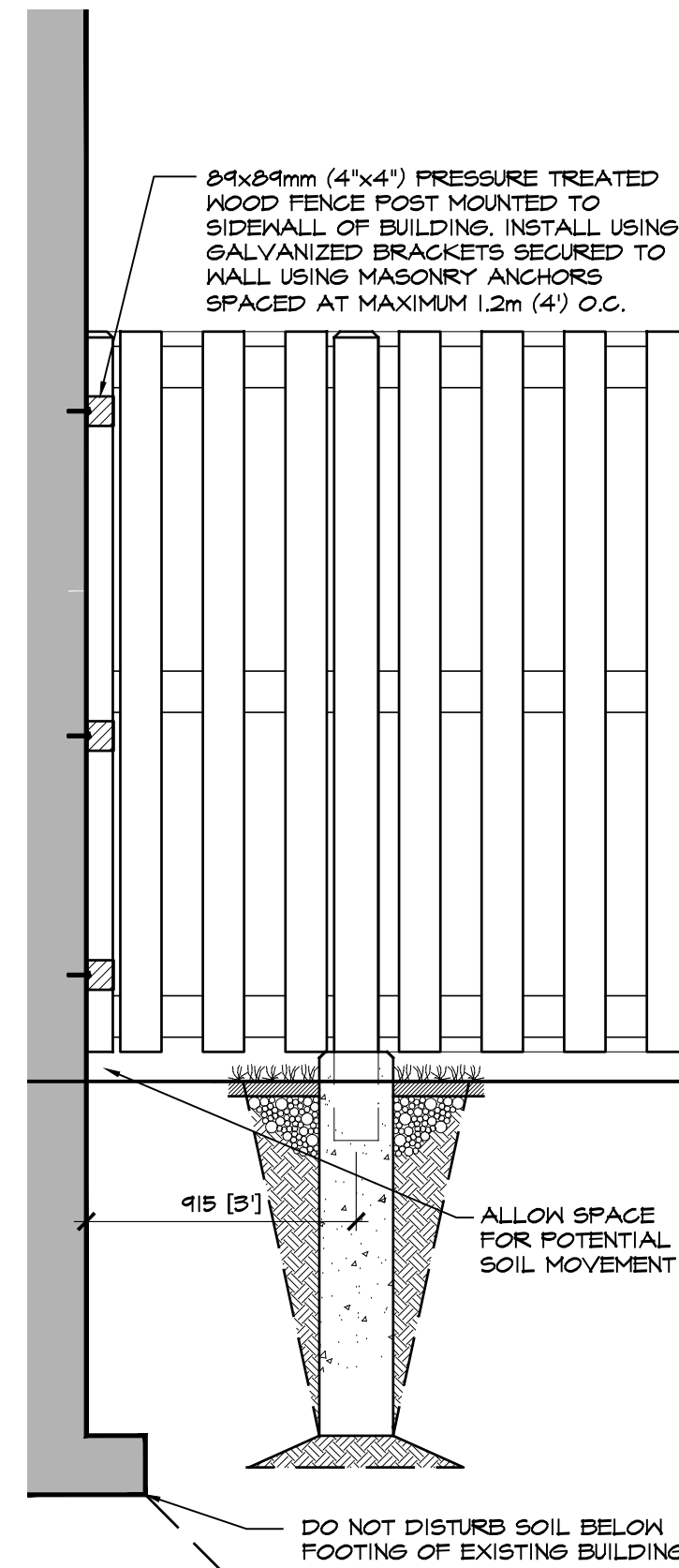
dwg no:

A1.1

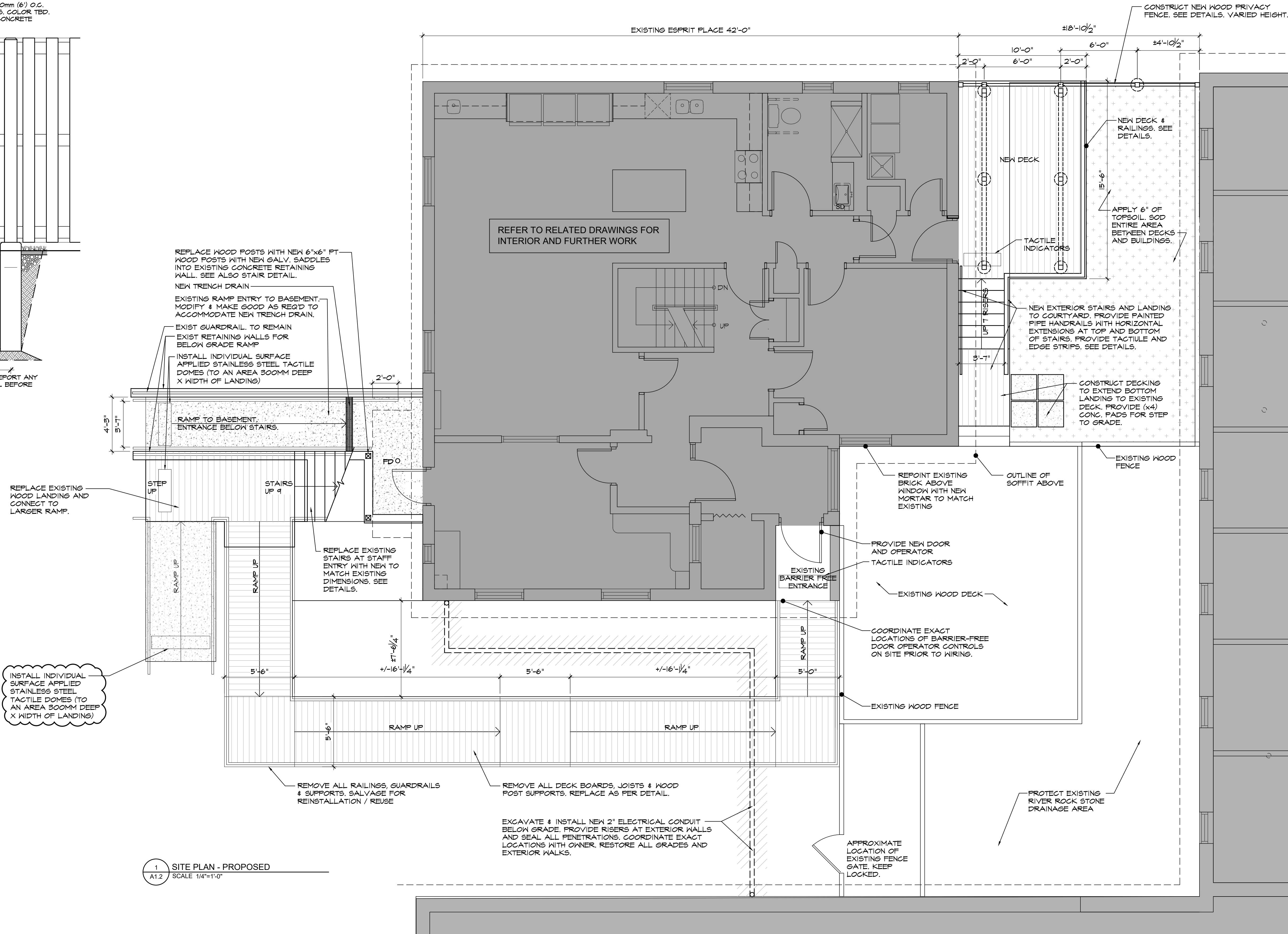
1 SITE PLAN - EXISTING & REMOVALS
A1.1 SCALE 1/4"=1'-0"



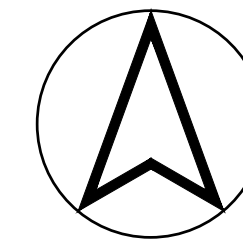
2 TYPICAL FENCE DETAILS
A1.2 SCALE 1/2"=1'-0"



3 TYPICAL FENCE / WALL CONNECTION
A1.2 SCALE 1/2"=1'-0"



1 SITE PLAN - PROPOSED
A1.2 SCALE 1/4"=1'-0"



ISSUED FOR TENDER & PERMIT	3
ISSUED FOR PRE-TENDER REVIEW	2
ISSUED FOR PRE-TENDER REVIEW	1



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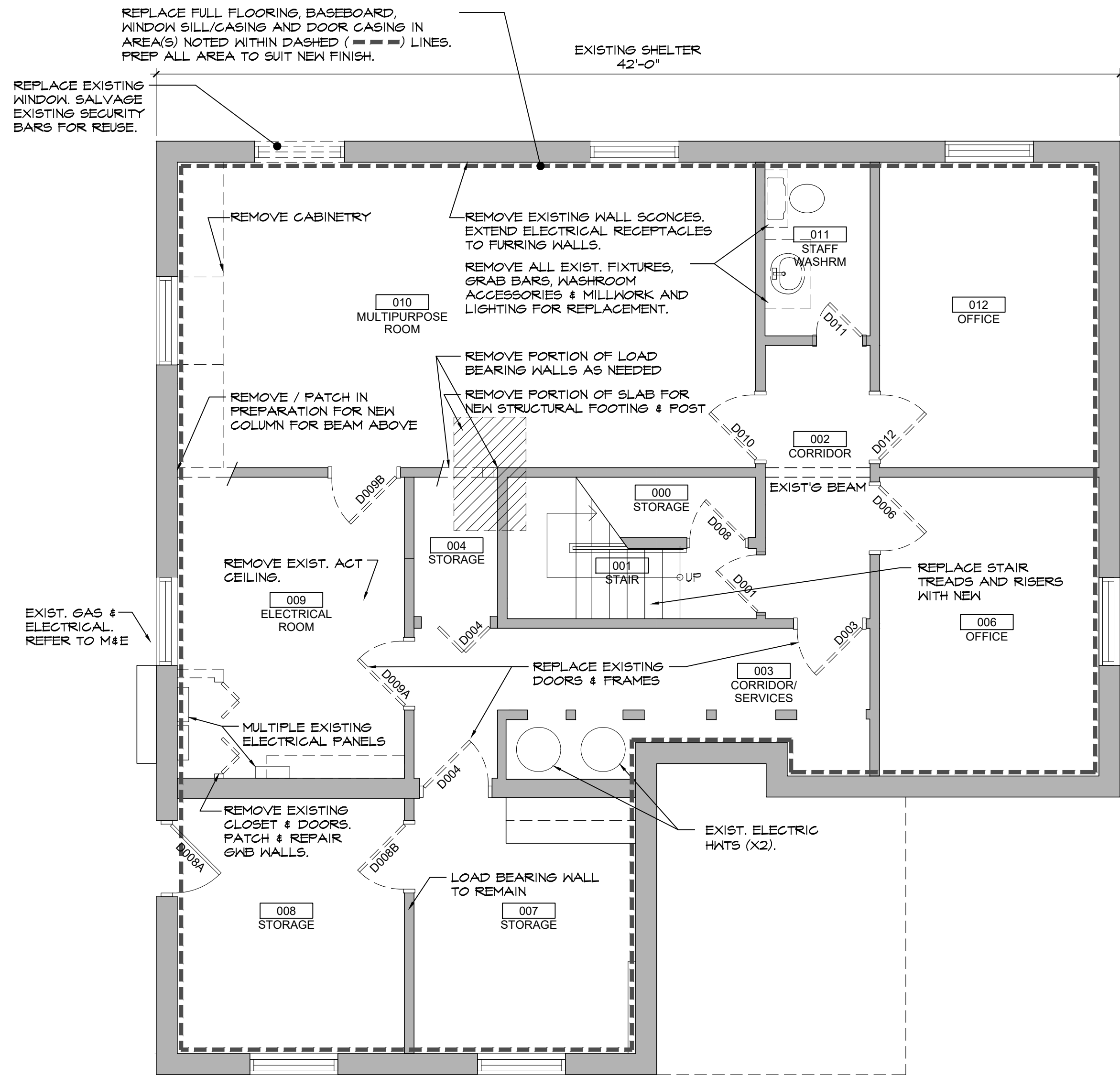
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DIST. OF PARRY SOUND SOCIAL SERVICES ADMIN BD
3A BEECHWOOD DRIVE
PARRY SOUND, ONTARIO

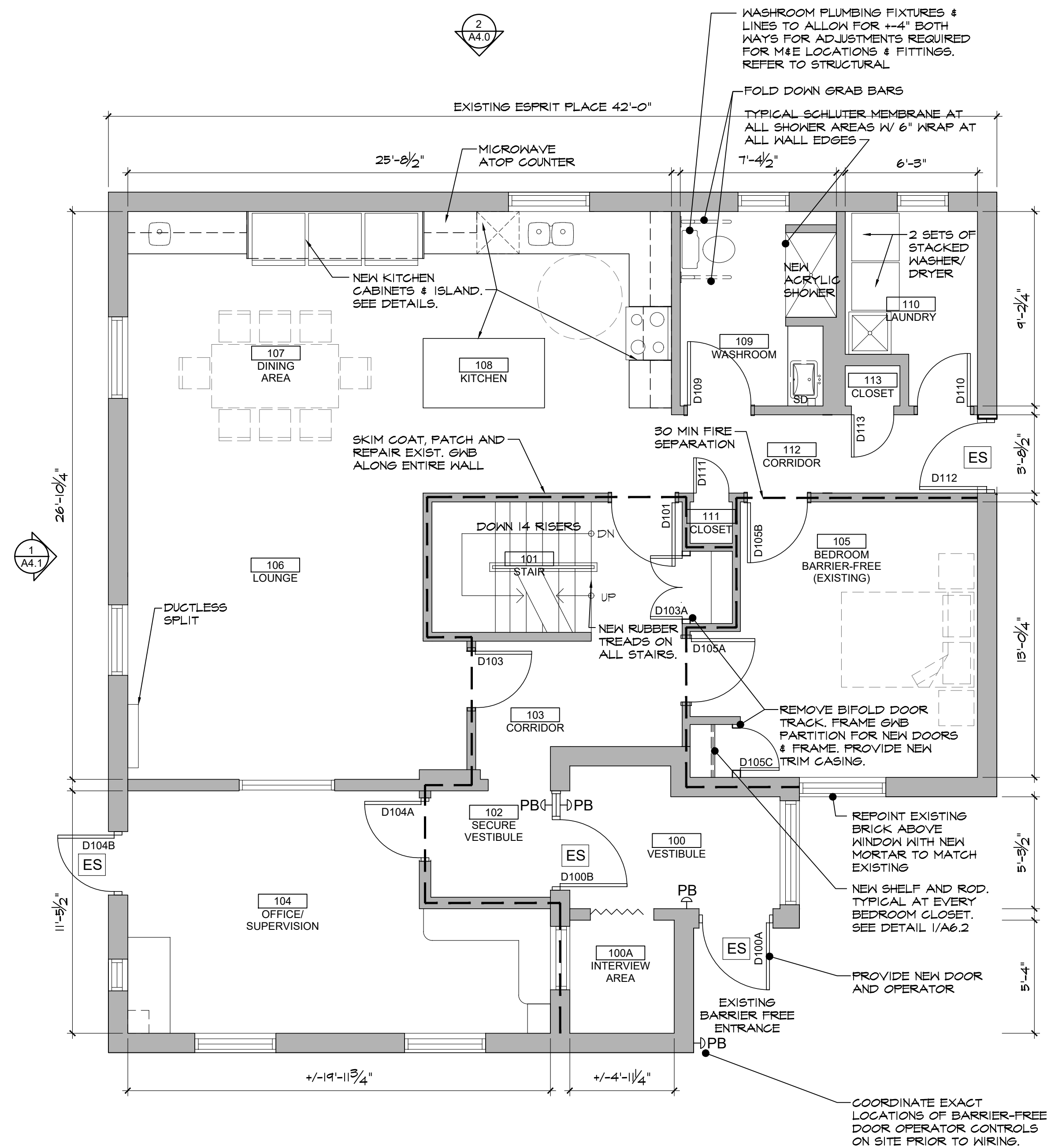
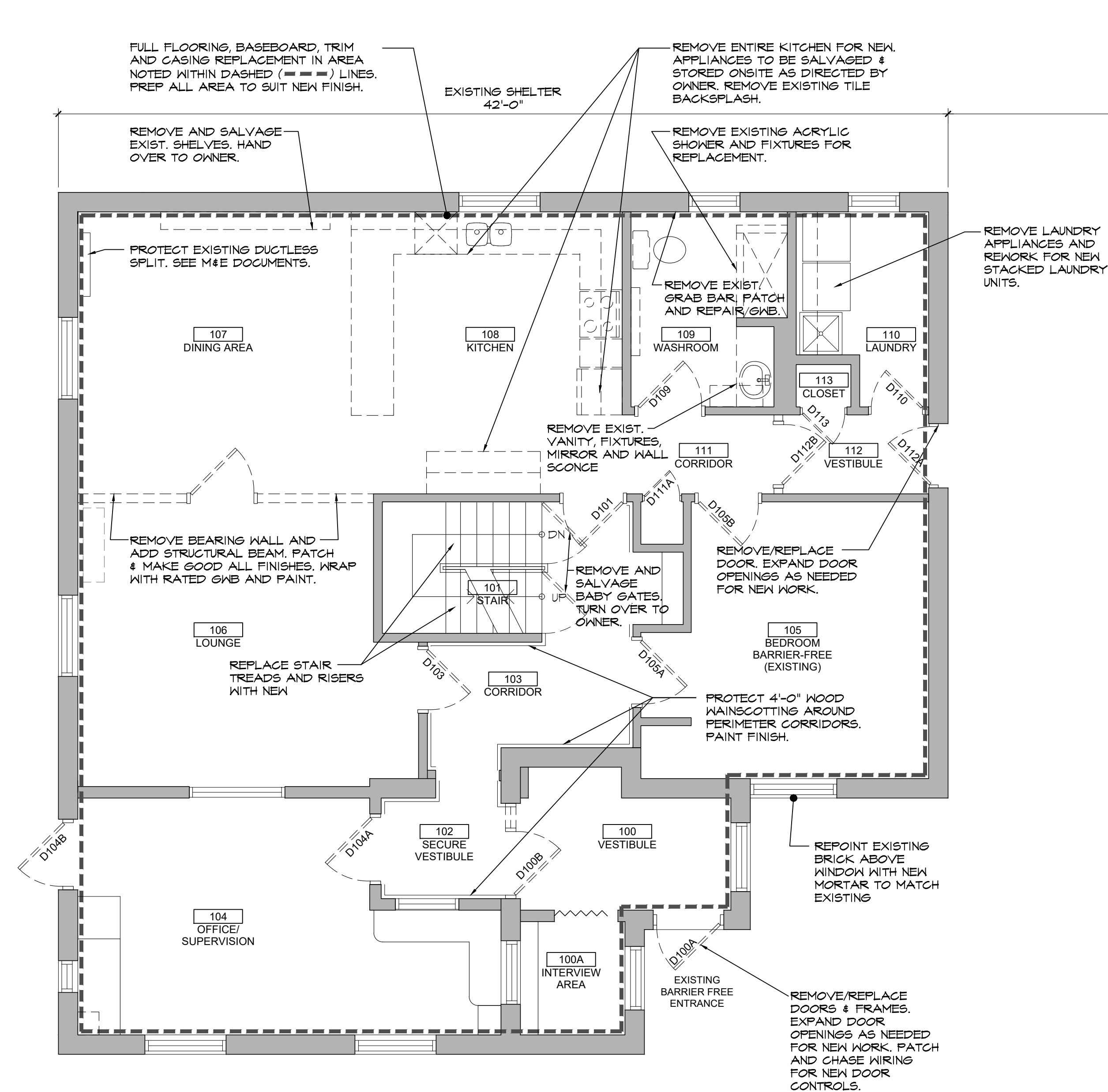
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PROPOSED WORK

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checked by: MBW
scale: AS NOTED
project no: 2356

date plotted: Mar 08, 2024
revision date: Mar 08, 2024
dwg no:

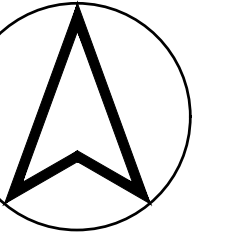
A1.2





DEMOLITION NOTES:

- WHERE FLOORING INDICATED TO BE REPLACED, REMOVE & REPLACE ALL EXISTING FLOORING, WALL BASE, & TRIMS.
- REMOVE GWB AS REQUIRED TO COMPLETE NEW WORK.
- PATCH AND REPAIR ALL GWB PARTITIONS AND CEILINGS DISTURBED BY NEW WORK.
- ALL GWB AND WOOD TRIMS, BOTH NEW AND EXISTING, TO BE PAINTED.

[illegible]

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ESPRIT PLACE RENOVATION
DIST. OF PARRY SOUND SOCIAL SERVICES ADMIN BD
3A BEECHWOOD DRIVE
PARRY SOUND, ONTARIO

Drawn by:
JA

scale:
1/4"=1'-0"

Mar 08, 2018

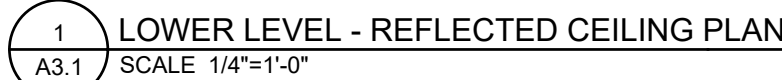
Revision date
Mar 08, 20

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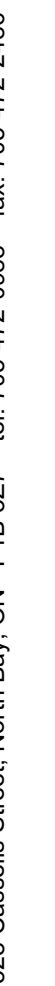
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A



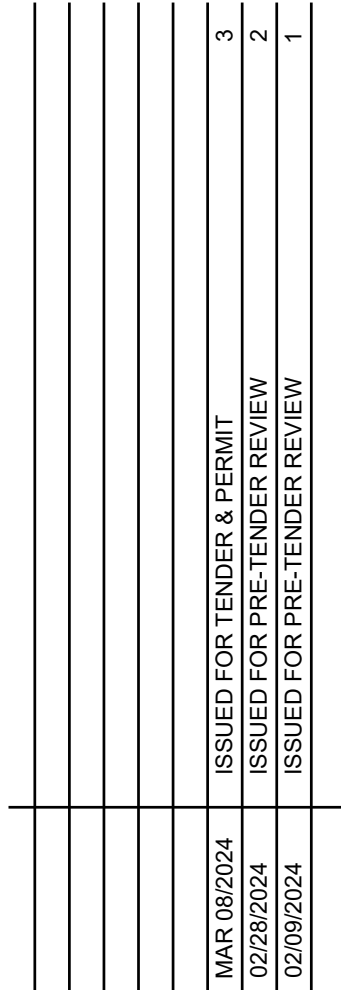


1. ALL CEILING HEIGHTS NOTED ON DRAWINGS ARE FROM TOP OF FLOOR. SEE ROOM FINISH SCHEDULE FOR CEILING HEIGHTS, EXCEPT WHEN INDICATED ON DRAWINGS.
2. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATIONS OF ALL CEILING FIXTURES UNLESS NOTED AND DIMENSIONED ON REFLECTED CEILING PLAN. REPORT ANY DISCREPANCIES TO THE ARCHITECT FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
3. ALL BULKHEAD AND SUSPENDED GWB CEILINGS CONSTRUCTION TO BE 16mm TYPE 'X' GYPSUM WALL BOARD ON RESILIENT CHANNELS @ 406mm O.C. AND BRACED AS REQUIRED. EXTEND FRAMING TO U/S OF EXISTING STRUCTURE, UNLESS NOTED OTHERWISE.
4. PROVIDE NEW SUSPENDED GYPSUM WALL BOARD CEILINGS, BULKHEADS AND SUSPENDED ACT CEILINGS, WHERE INDICATED ON DRAWINGS.
5. SEE ROOM FINISH SCHEDULE FOR CEILING FINISHES.
6. IN AREAS OF HIGH HUMIDITY AND MOISTURE, PROVIDE MOISTURE / MILDEW RESISTANT TYPE GYPSUM WALLBOARD.
7. PROVIDE ACCESS PANELS IN GWB CEILINGS AS REQUIRED BY MECHANICAL AND ELECTRICAL TRADES. PROVIDE FIRE RATED ACCESS PANELS WHERE FIRE RATINGS ARE REQUIRED.
8. UNLESS OTHERWISE NOTED, DIMENSIONS OF ALL GYPSUM BULKHEADS ABOVE CASEWORK TO MATCH WIDTH AND LENGTH OF UPPER CASEWORK BELOW.



dwg no:

A3.1



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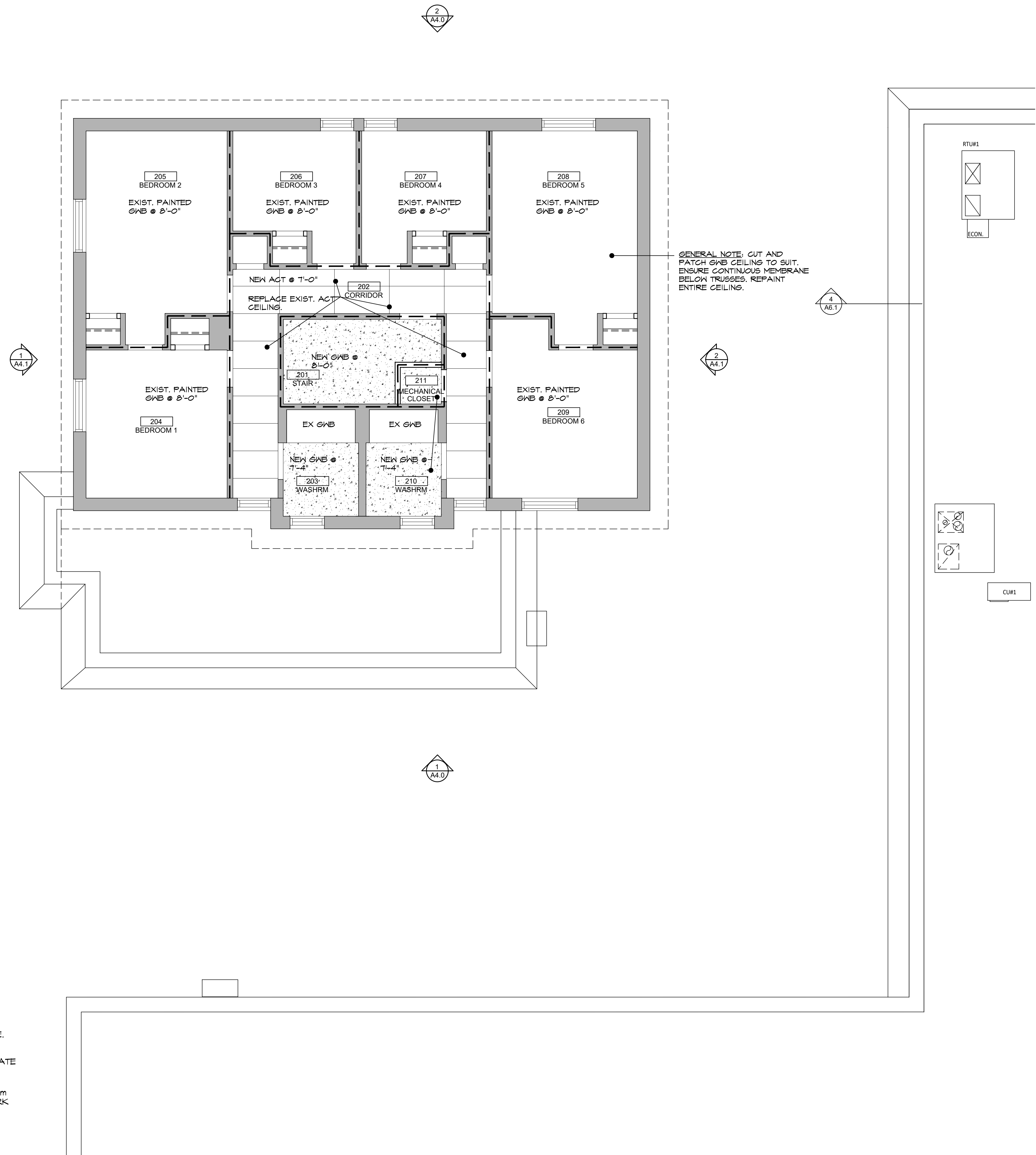
project: **ESPRIT PLACE RENOVATION**
DIST. OF PARRY SOUND SOCIAL SERVICES ADMIN BD

title:
UPPER LEVEL
REFLECTED CEILING PLAN
BULKHEAD DETAIL

checked by
MBW

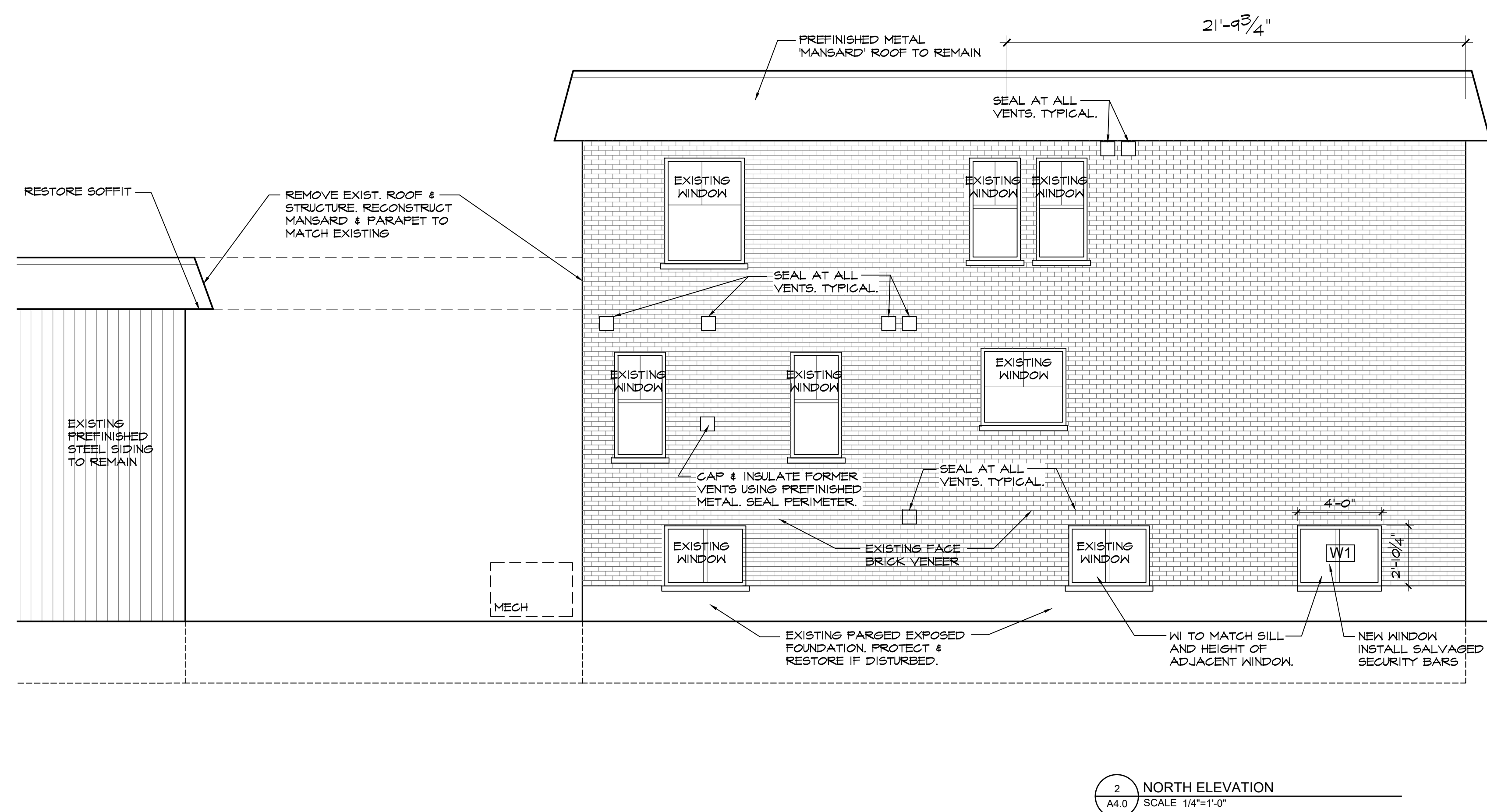
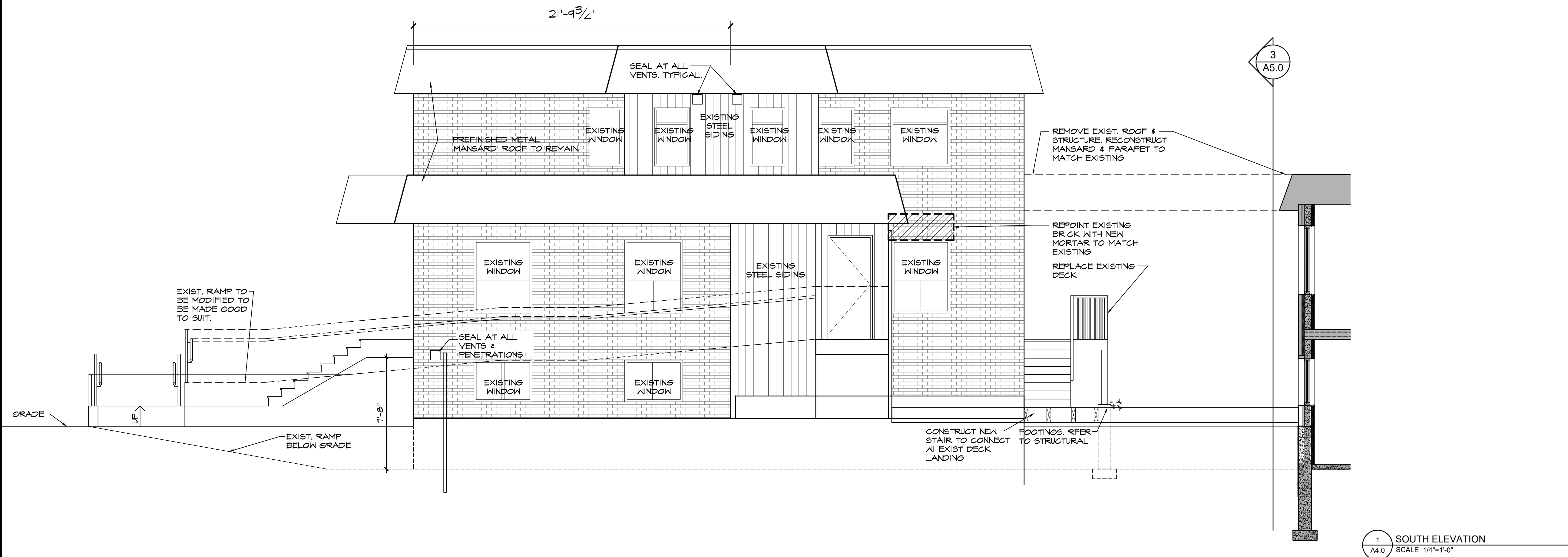
project no:
2356

A3.2



2 BULKHEAD DETAIL
A3.2 SCALE 1/4"=1'-0"

1 UPPER LEVEL - REFLECTED CEILING PLAN
A3.2 SCALE 1/4"=1'-0"

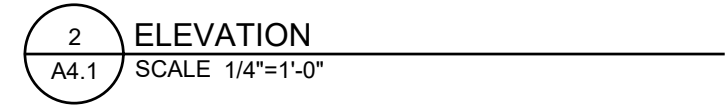
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ESPRIT PLACE RENOVATION
DIST. OF PARRY SOUND SOCIAL SERVICES ADMIN. BD.
3A BEECHWOOD DRIVE

project:	title:	
	drawn by: KD/JA	checked by: MBW
	scale: AS NOTED	project no: 2356
	date plotted: Mar 08, 2024	
	revision date: Mar 08, 2024	
dwg no:		

A4.0



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	02/09/2024	ISSUED FOR PRE-TENDER REVIEW	1		



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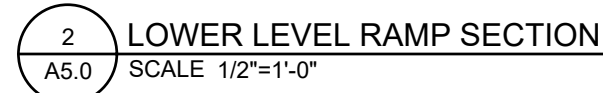
ESPRIT PLACE RENOVATION
DIST. OF PARRY SOUND SOCIAL SERVICES ADMIN. BD.
3A BEECHWOOD DRIVE
PARRY SOUND, ONTARIO

BUILDING ELEVATIONS

drawn by: KD	checked by: MBW
scale: AS NOTED	project no: 2356
date plotted: Mar 08, 2024	
revision date: Mar 08, 2024	

dwg no:

A4.1



A5.0



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	02/09/2024	ISSUED FOR PRE-TENDER REVIEW	1



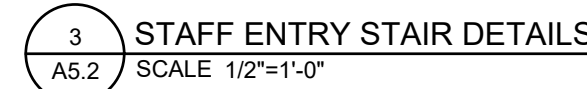
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ESPRIT PLACE RENOVATION
DIST. OF PARRY SOUND SOCIAL SERVICES ADMIN. BD.
3A BEECHWOOD DRIVE
PARRY SOUND, ONTARIO

ESPRIIT PLACE
DIST. OF PARRY
3A BEECHWOOD DRIVE

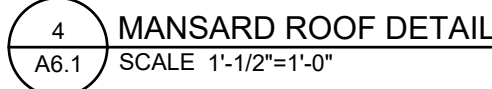
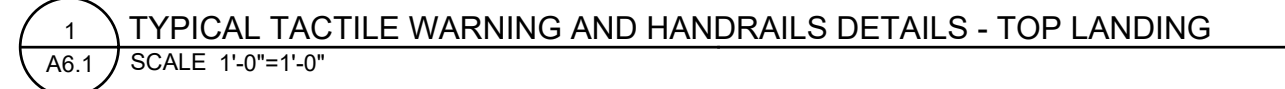
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date plotted: Mar 08, 2024	
revision date: Mar 08, 2024	
dwg no:	

A5.1



dwg no:

A5.2



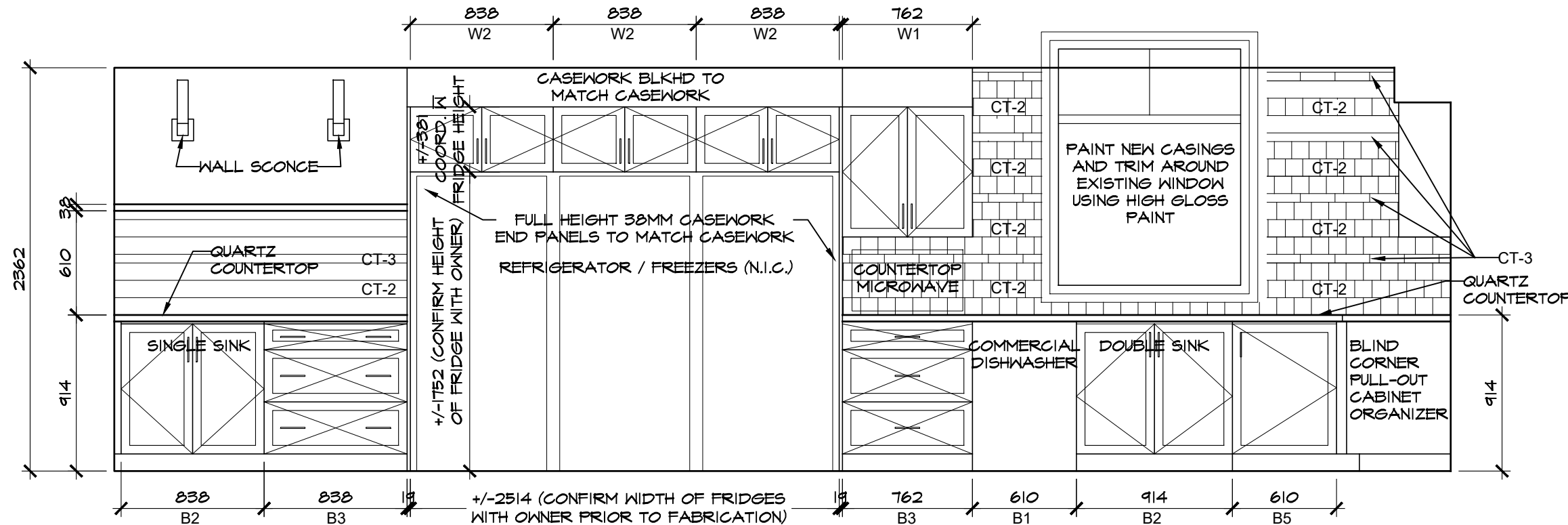
ONTARIO ASSOCIATION
OF
ARCHITECTS
Marcus B. Wheeler
MARCUS B. WHEELER
LICENCE
5768

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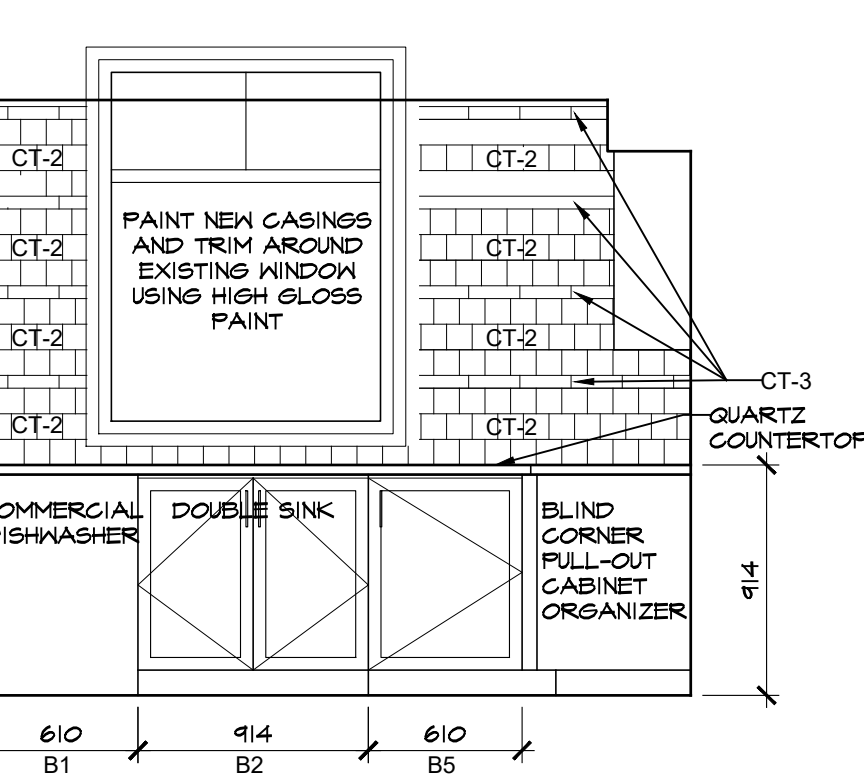
TYPICAL STAIR & HANDRAIL DETAILS
MANICARD ROOF DETAIL

wg no:

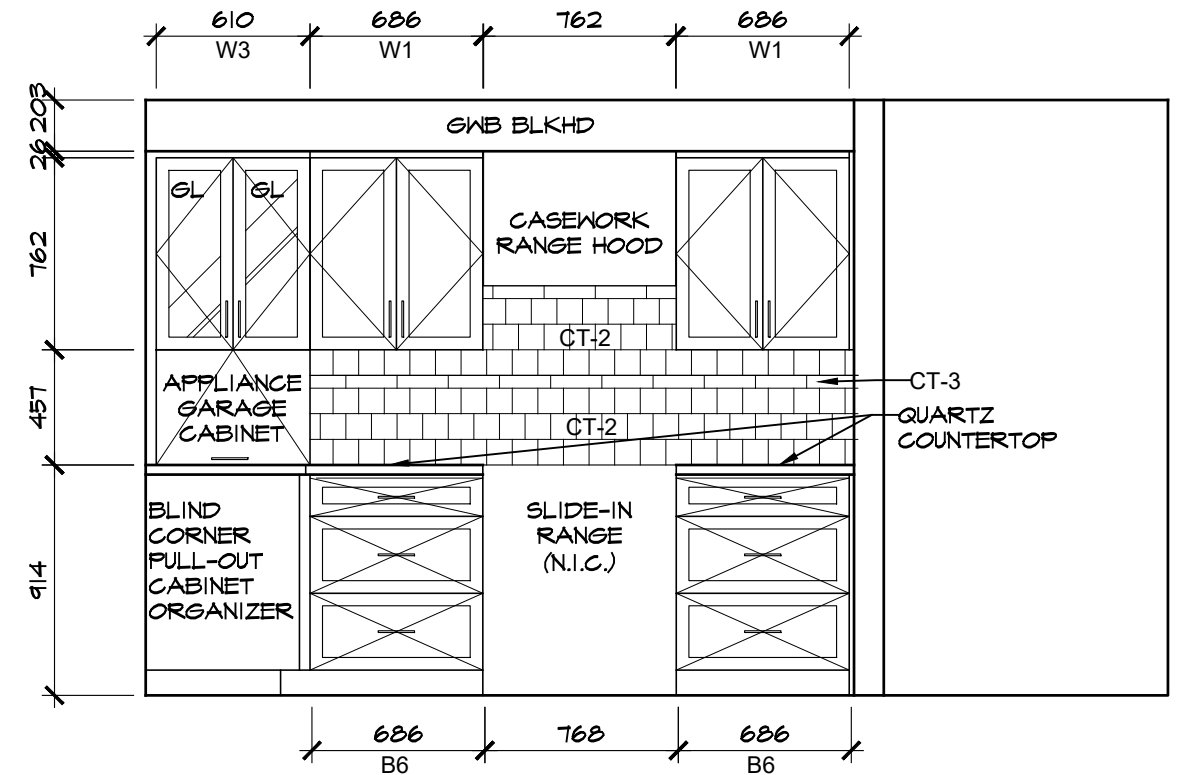
A5.3



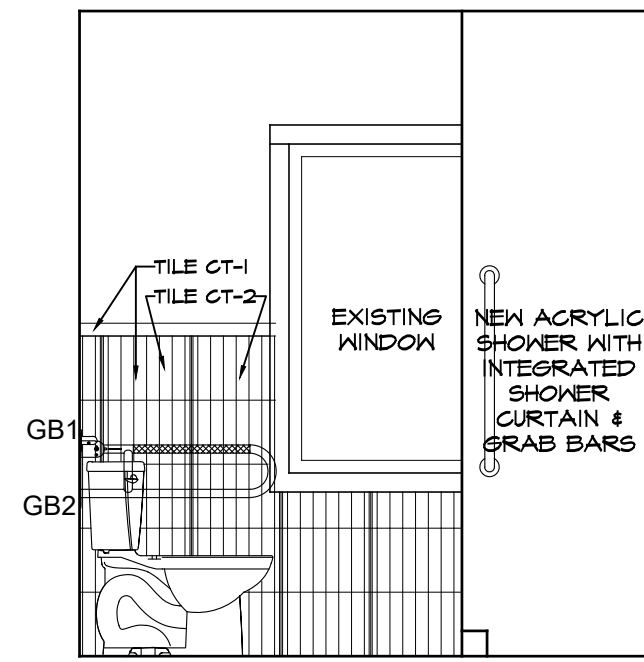
3A DINING 106 ELEVATION
A6.0 SCALE 1:30



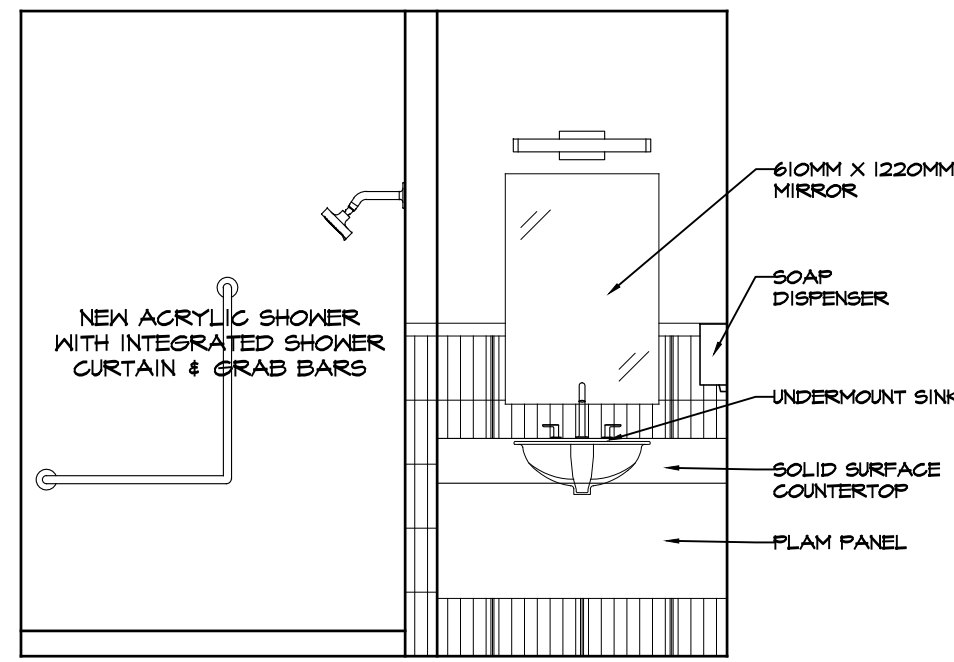
3B KITCHEN 108 ELEVATION
A6.0 SCALE 1:30



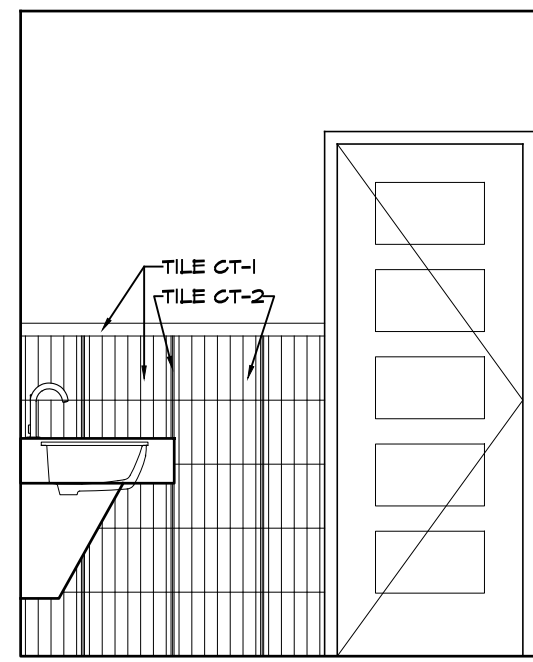
3C KITCHEN 108 ELEVATION
A6.0 SCALE 1:30



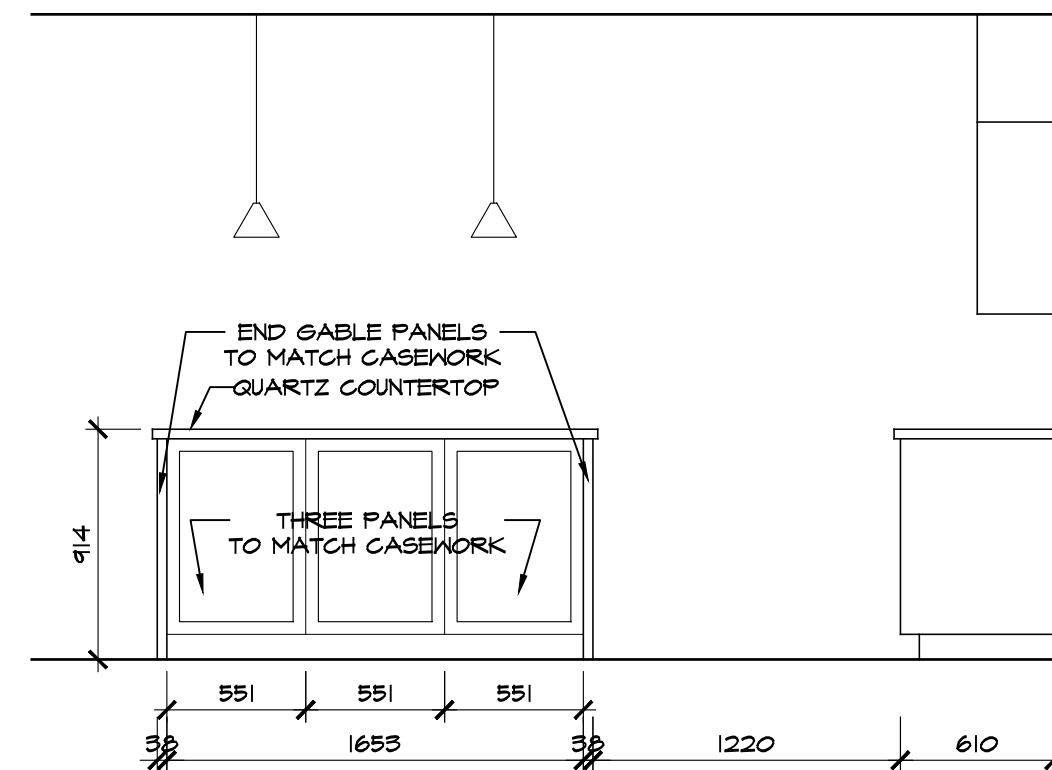
2A WASHROOM 109 ELEVATION
A6.0 SCALE 1:30



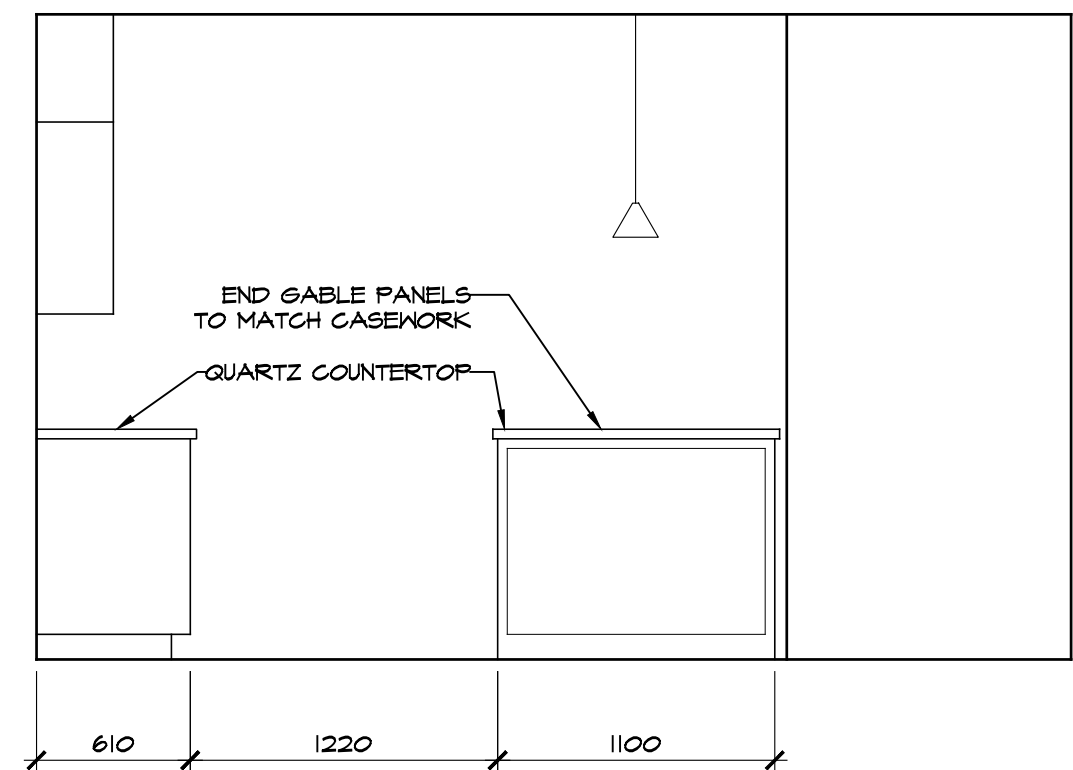
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A6.0 SCALE 1:30



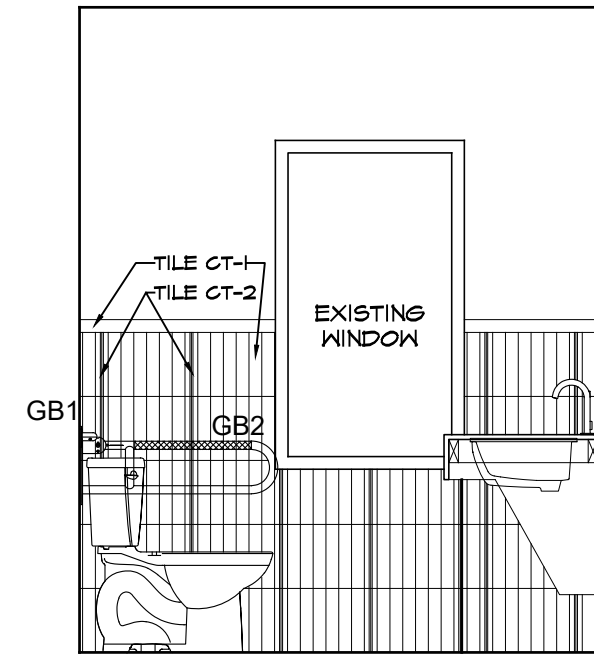
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A6.0 SCALE 1:30



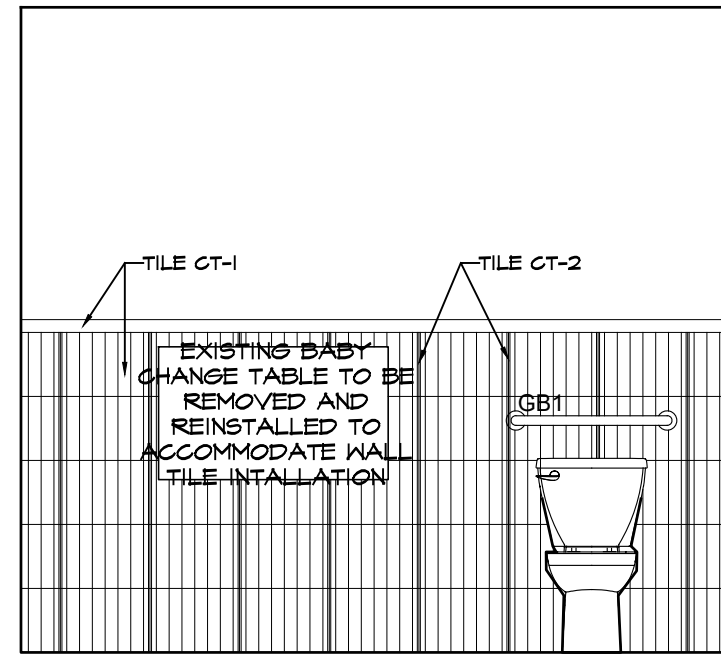
3D KITCHEN 108 ELEVATION
A6.0 SCALE 1:30



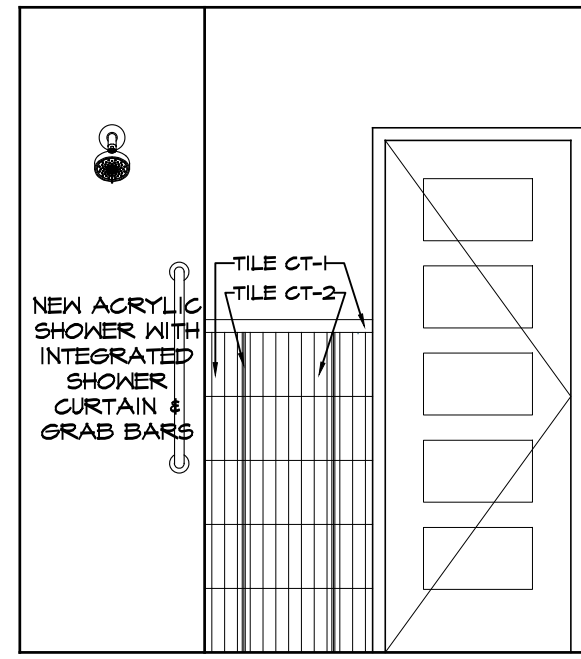
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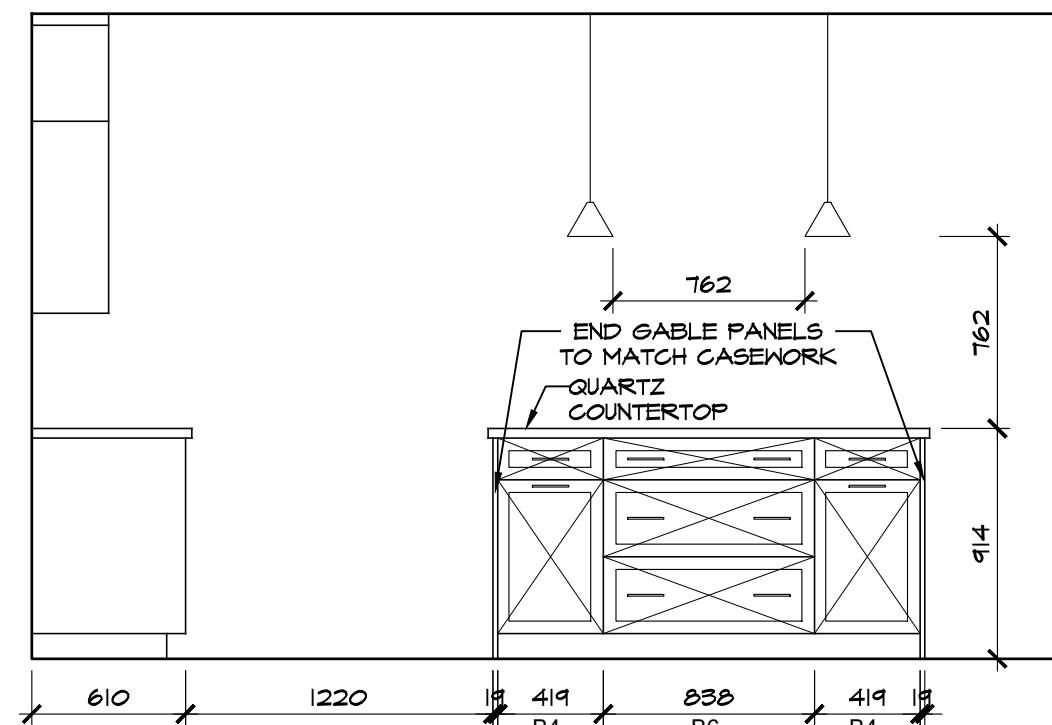
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A6.0 SCALE 1:30



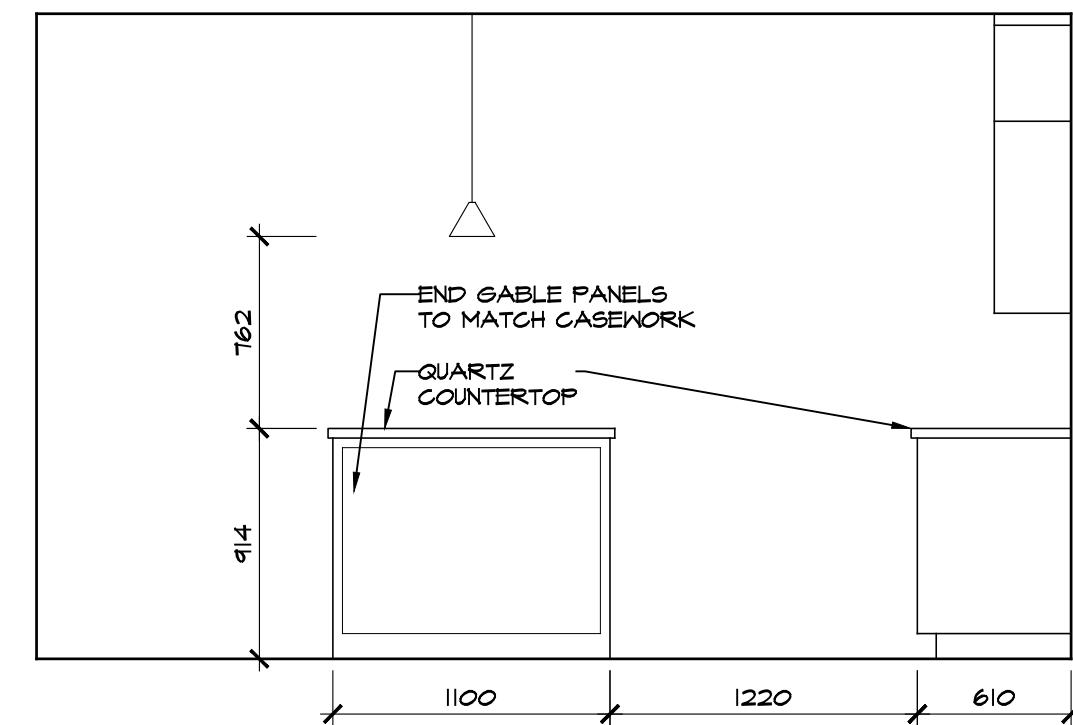
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A6.0 SCALE 1:30



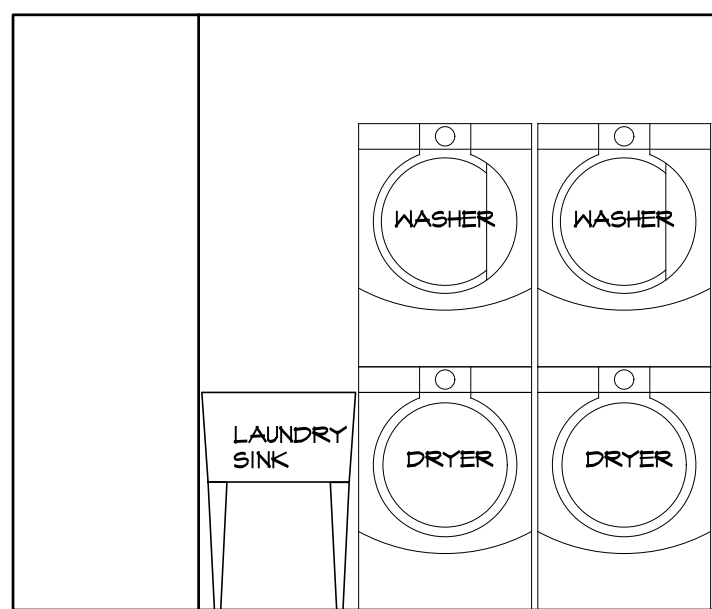
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A6.0 SCALE 1:30



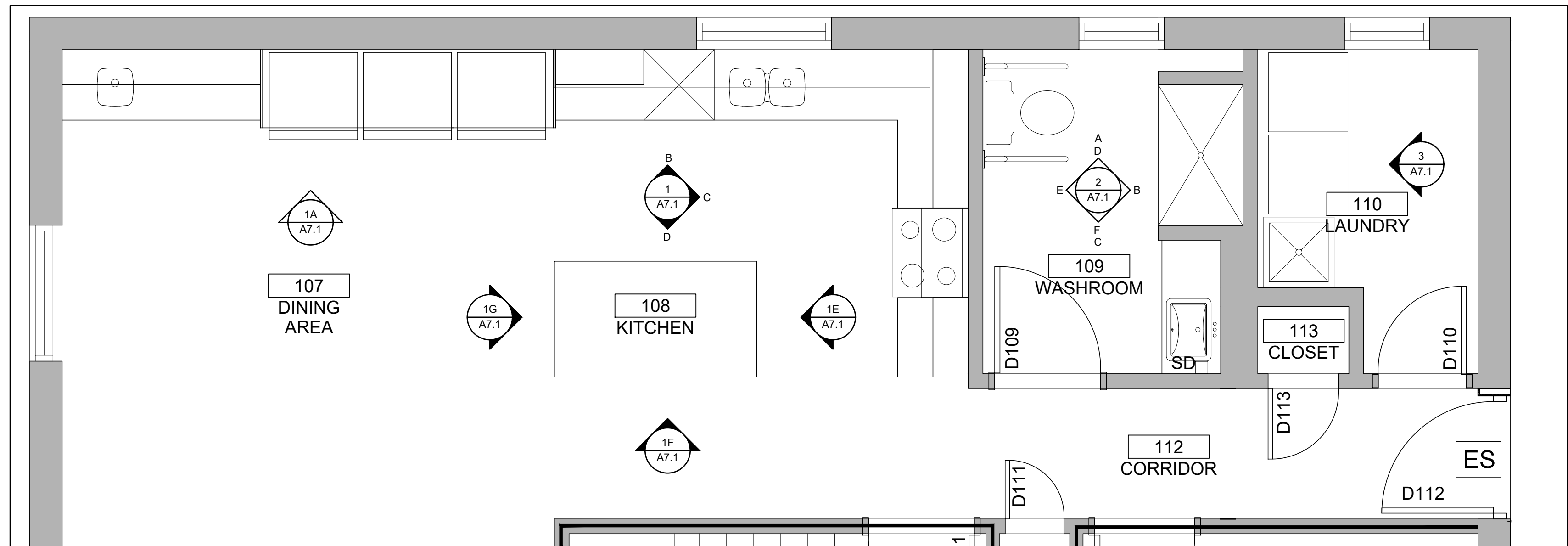
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A6.0 SCALE 1:30



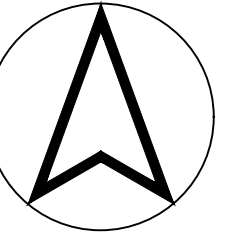
3G KITCHEN 108 ELEVATION
A6.0 SCALE 1:30



3 LAUNDRY 110 ELEVATION
A6.0 SCALE 1:30



3 DINING 106 / KITCHEN 108 PLAN
A6.0 SCALE 1:30



ISSUED TENDER & PERMIT	3
ISSUED FOR PRE-TENDER REVIEW	2
ISSUED FOR PRE-TENDER REVIEW	1



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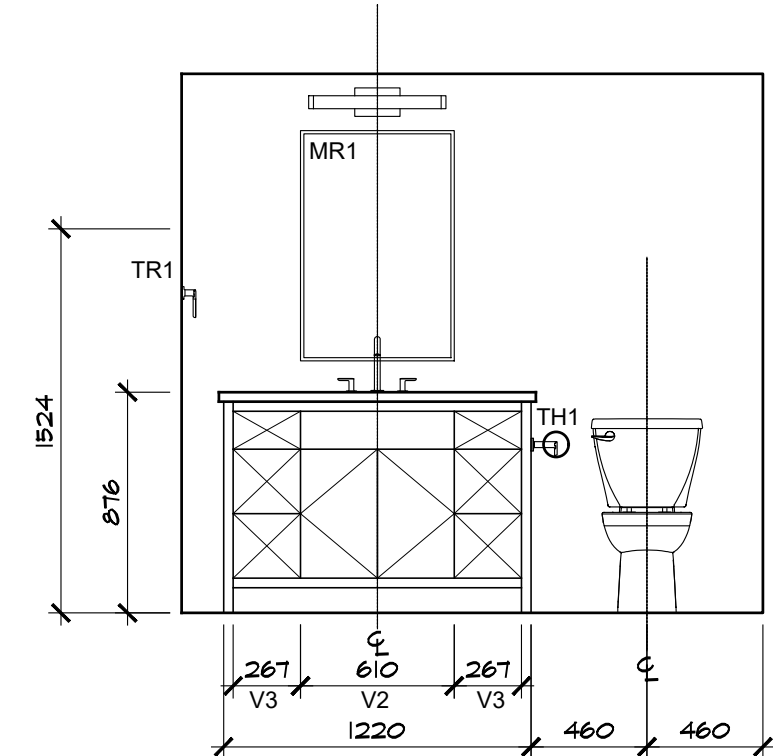
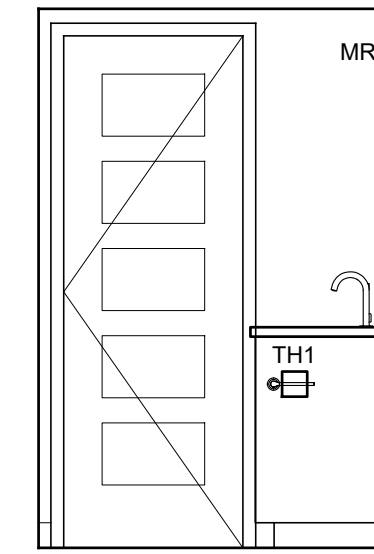
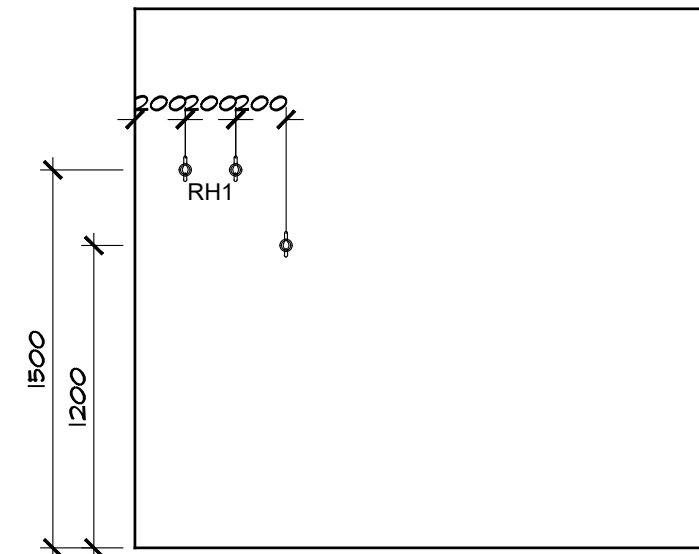
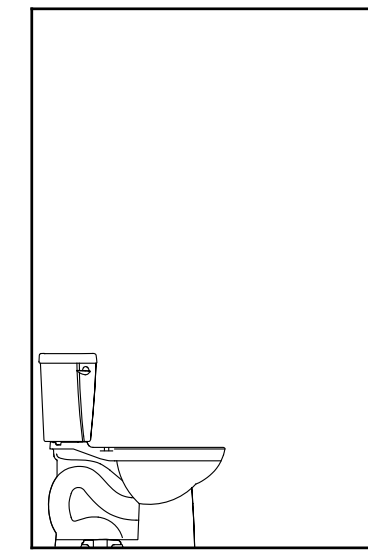
Project: ESPRIT PLACE RENOVATION
DIST. PARRY SOUND SOCIAL SERVICES ADMIN. BOARD
1 BEECHWOOD DRIVE
PARRY SOUND, ONTARIO

Title: INTERIOR ELEVATIONS
KITCHEN / DINING, WASHROOM, LAUNDRY
MAIN LEVEL

drawn by:	checked by:
JA	MBW
scale:	project no:
1:30	2356
date plotted:	
Mar 08, 2024	
revision date:	
Mar 08, 2024	

dwg no:

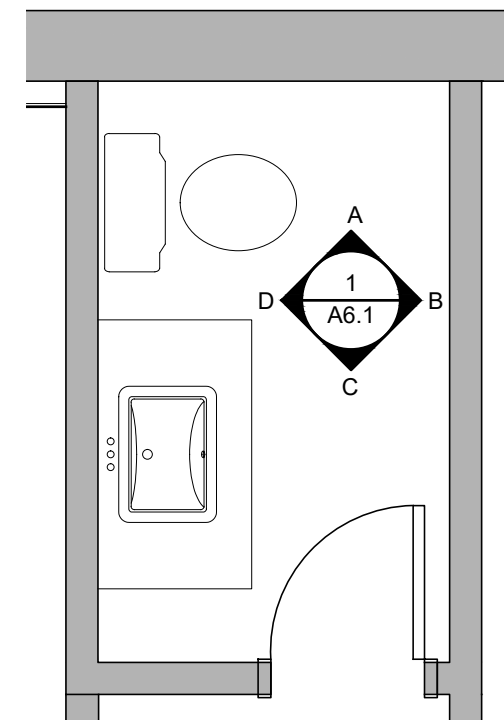
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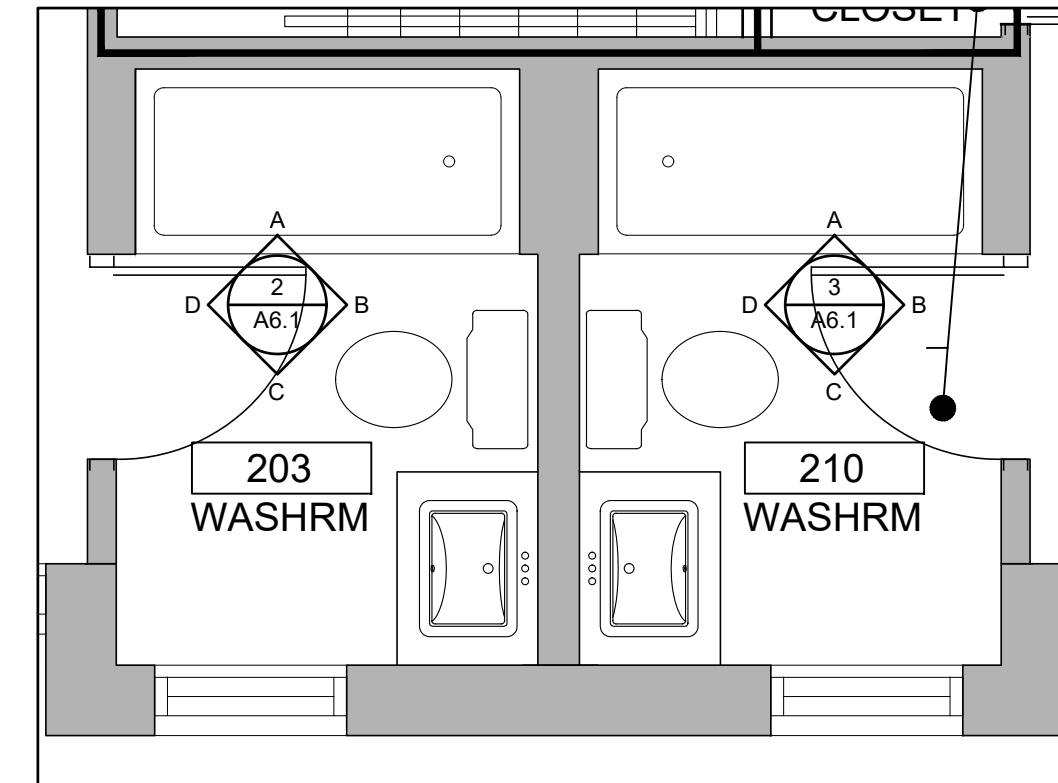
1B WASHROOM 011 ELEVATION
A7.2 SCALE 1:30

1C WASHROOM 011 ELEVATION
A7.2 SCALE 1:30

1D WASHROOM 011 ELEVATION
A7.2 SCALE 1:30



1 WASHROOM 011 PLAN
A7.2 SCALE 1:30

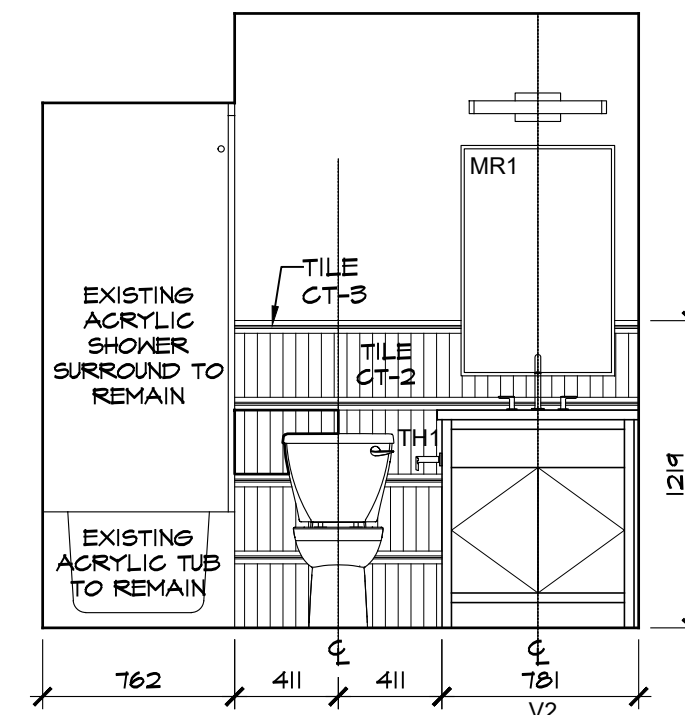


2 WASHROOM 203 PLAN
A7.2 SCALE 1:30

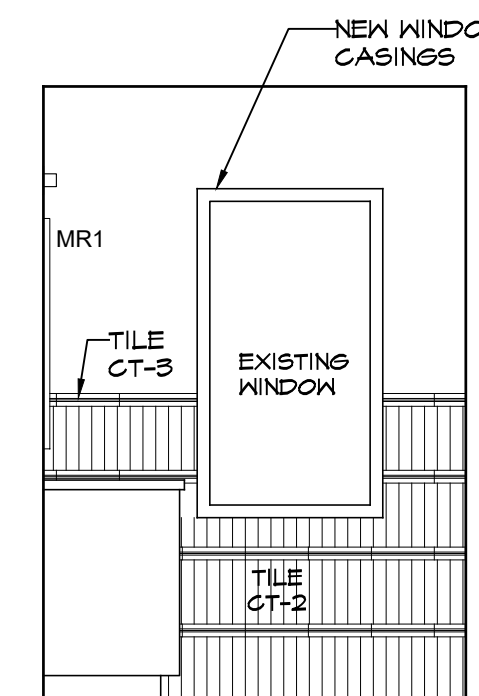
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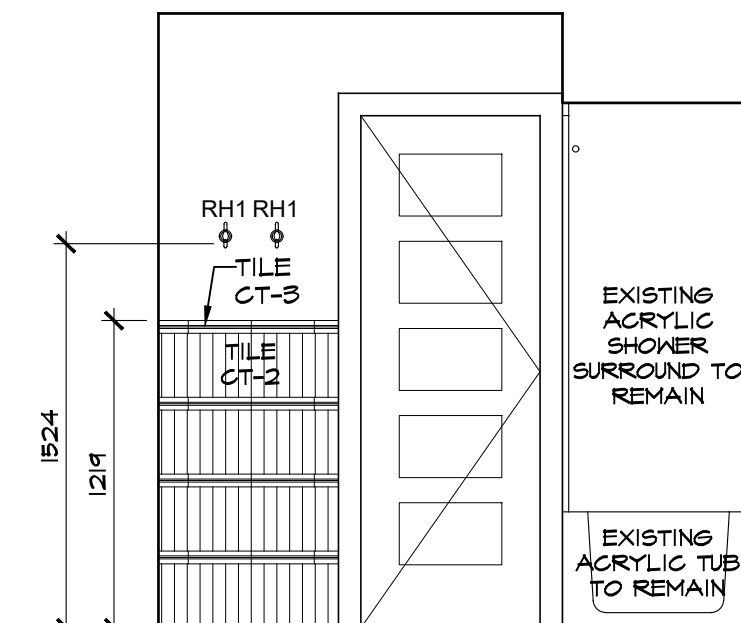
2A WASHROOM 203 NORTH ELEVATION
A7.2 SCALE 1:30



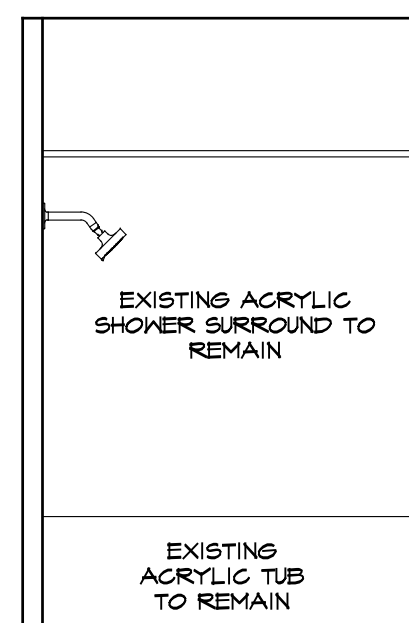
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A7.2 SCALE 1:30



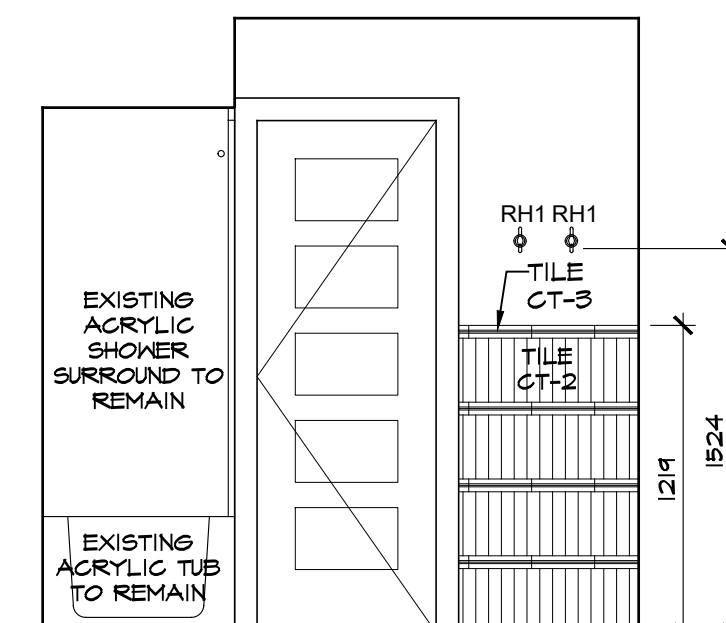
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A7.2 SCALE 1:30



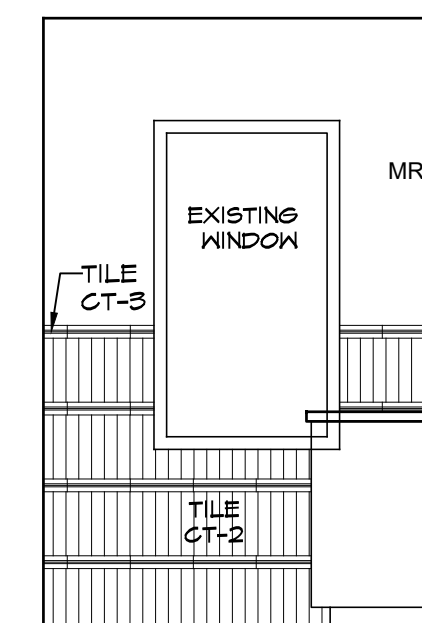
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A7.2 SCALE 1:30



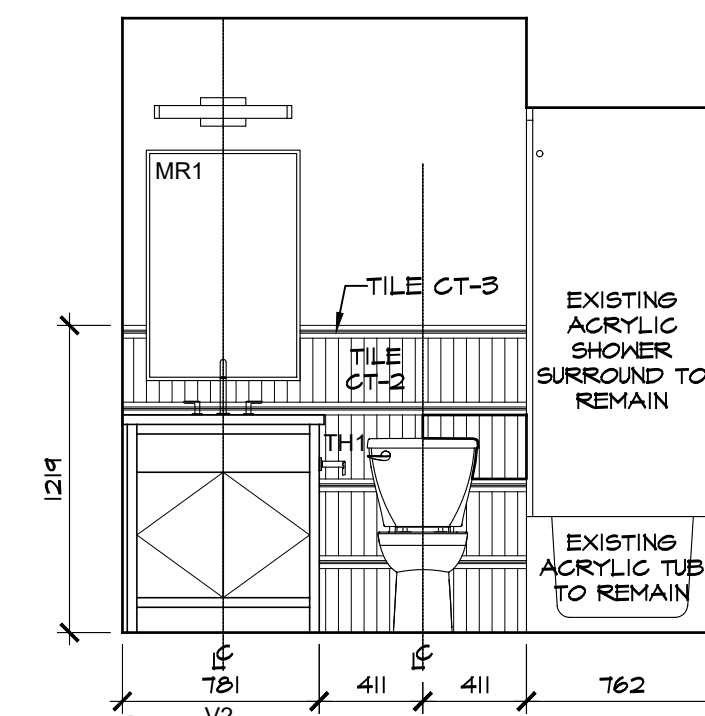
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A7.2 SCALE 1:30



3B WASHROOM 210 EAST ELEVATION
A7.2 SCALE 1:30



3C WASHROOM 210 SOUTH ELEVATION
A7.2 SCALE 1:30



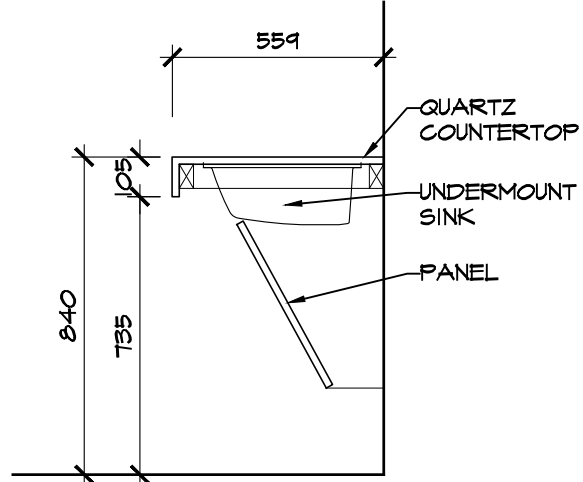
3D WASHROOM 210 WEST ELEVATION
A7.2 SCALE 1:30

LOT 1111 LEVEL RENOVATION
DIST. PARRY SOUND SOCIAL SERVICES ADMIN. BOARD
1 BEECHWOOD DRIVE

WASHROOMS, LOWER & UPPER LEVEL

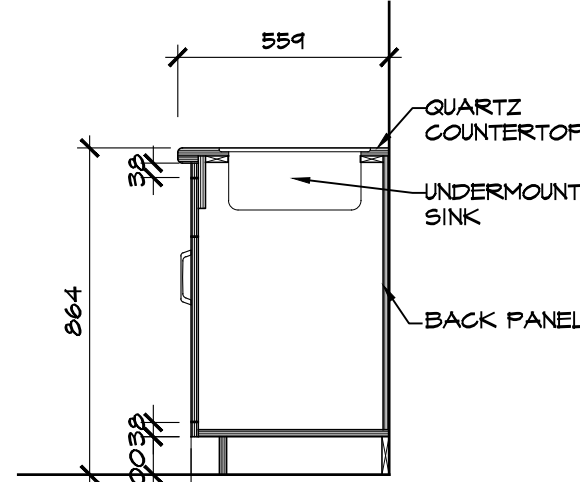
avg no:

A6.1



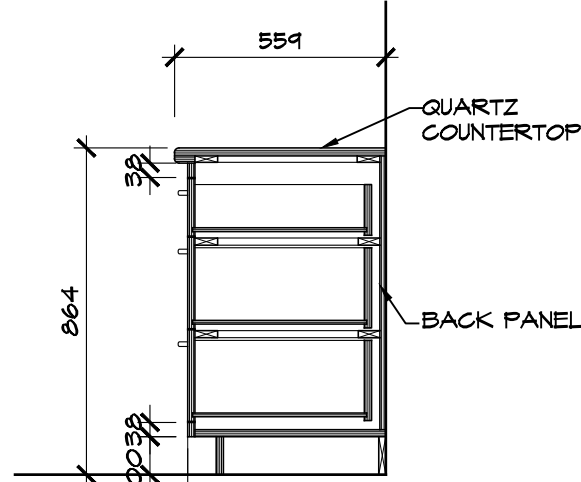
SECTION
-BARRIER-FREE VANITY

V1



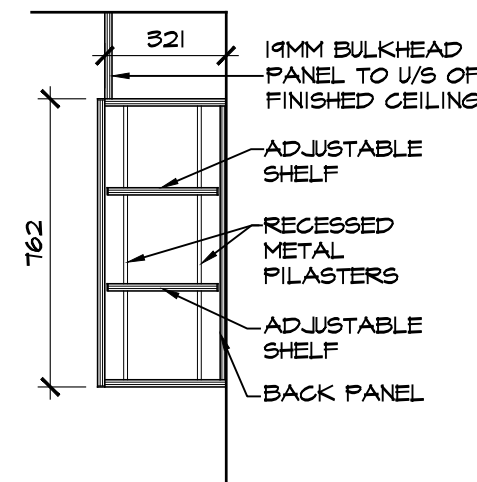
SECTION
-VANITY SINK CABINET
-TWO (2) DOORS

V2



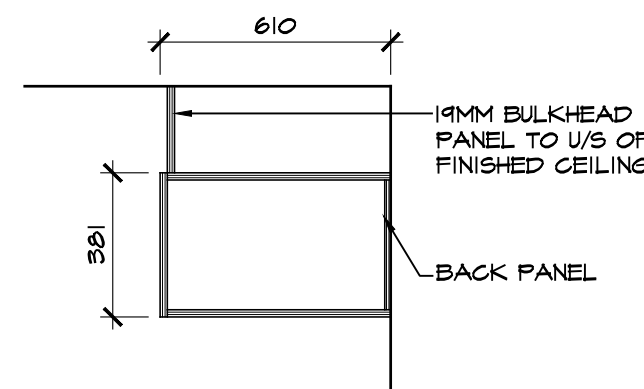
SECTION
-VANITY CABINET
-THREE (3) DRAWERS

V3



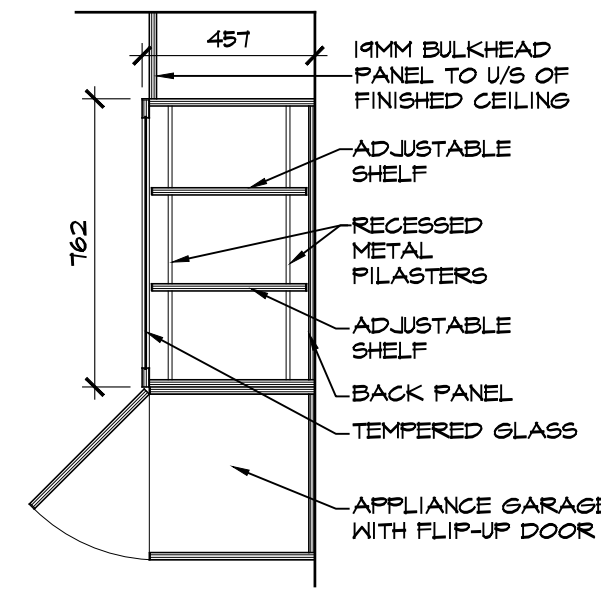
SECTION
-UPPER CABINET
-SOLID DOORS
-ADJUSTABLE SHELVES

W1



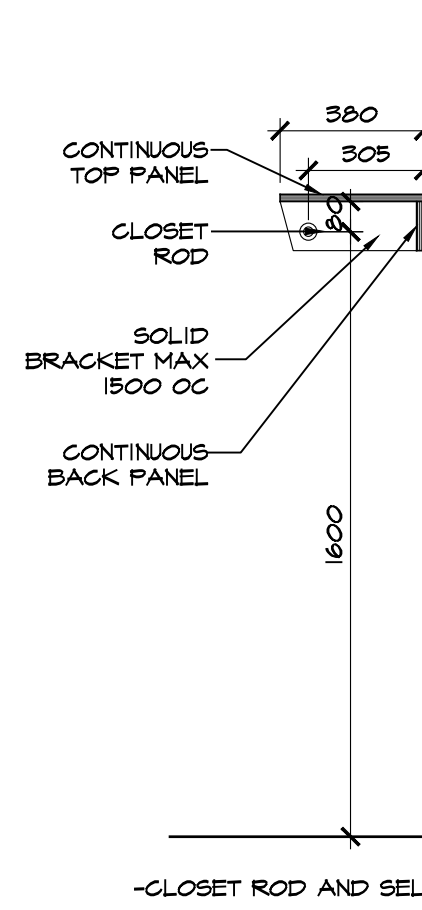
SECTION
-UPPER CABINET ABOVE FRIDGE
-SOLID DOORS

W2



SECTION
-UPPER CABINET
-SOLID DOORS
-ADJUSTABLE SHELVES

W3



1 TYPICAL BEDROOM CLOSET ROD AND SHELF DETAIL
A6.2 SCALE 1:20

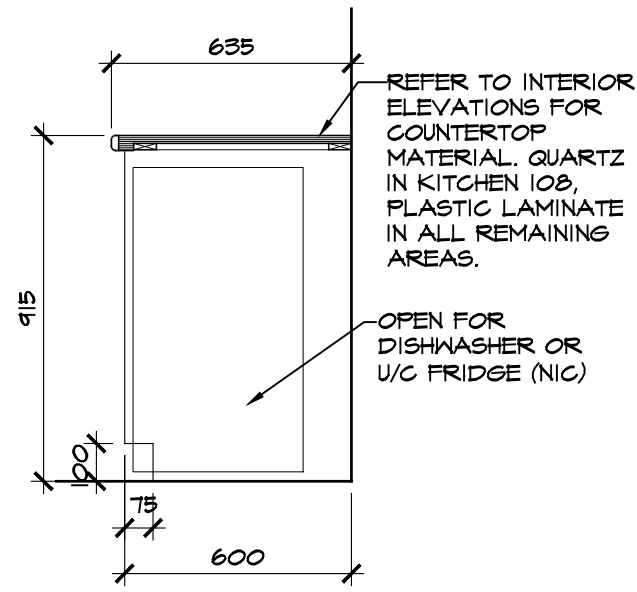
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3 CASEWORK DETAILS - VANITIES
A6.2 SCALE 1:20

3

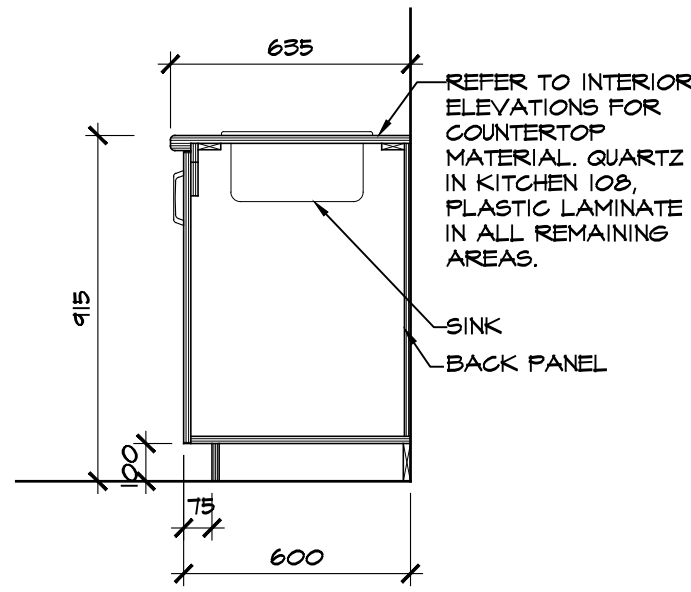
2 CASEWORK DETAILS - WALL CABINETS
A6.2 SCALE 1:20

2



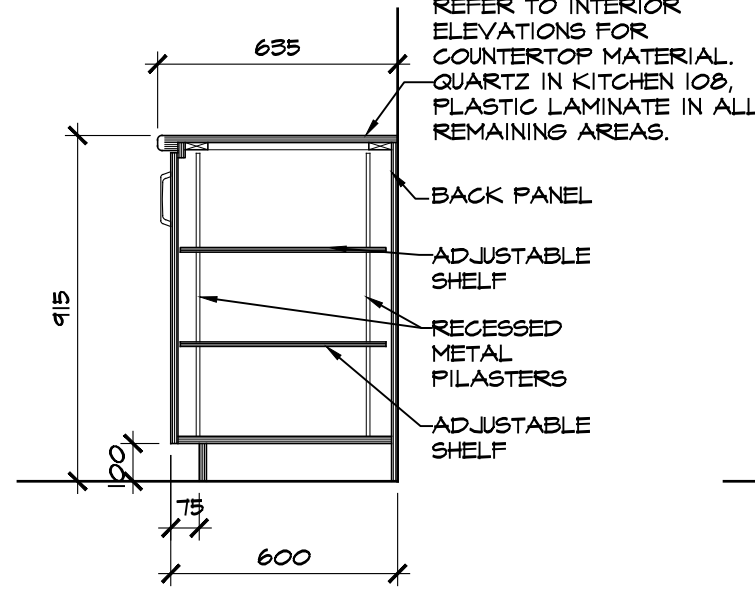
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B1



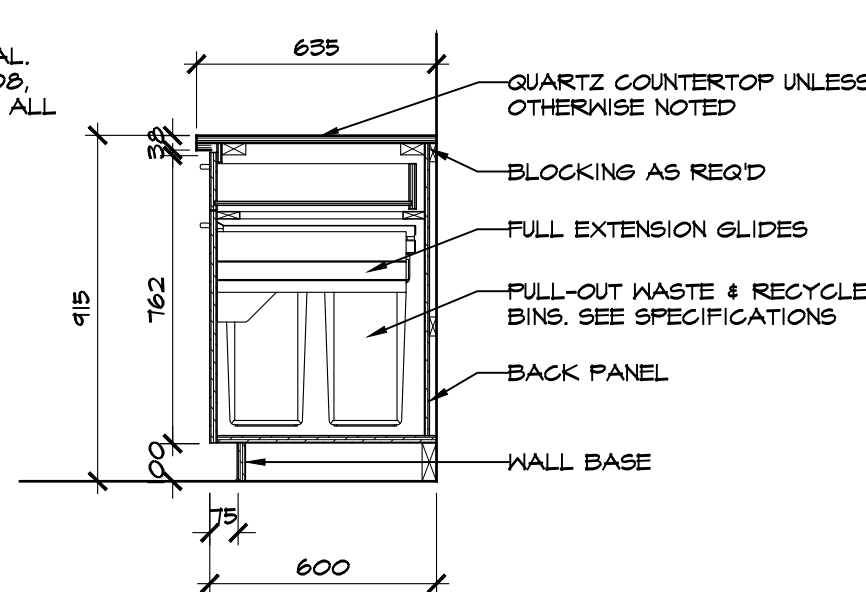
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B2



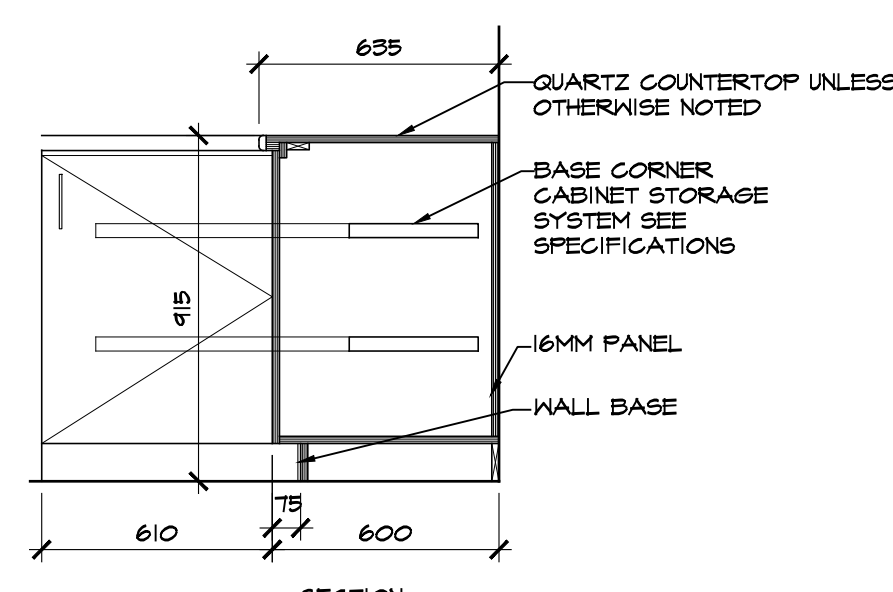
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B3



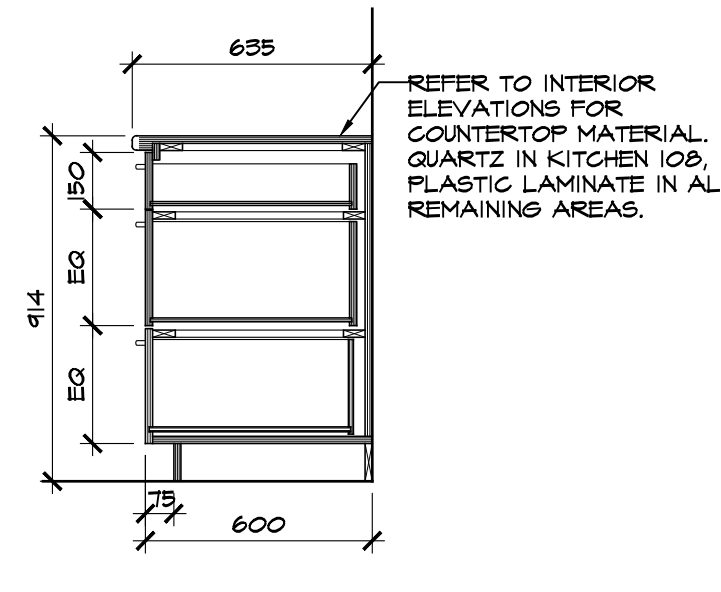
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B4



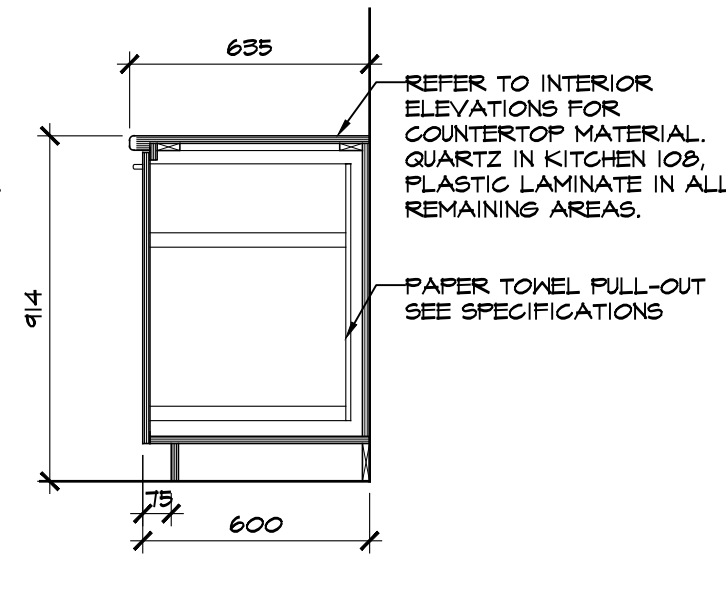
SECTION

B5



SECTION

B6



SECTION

B7

4 CASEWORK DETAILS - BASE CABINETS
A6.2 SCALE 1:20

4

CASEWORK MATERIAL AND FINISH:

- 19MM MELAMINE WOOD GRAIN FACE PATTERN PARTICLEBOARD WITH SOLID MATCHING 3MM PLASTIC WOOD GRAIN EDGING.

GENERAL NOTES:

- PROVIDE CUTOUT FOR UPPER AND LOWER CABINETS AT COLUMNS. CUT AND FIT BACKSPLASH AROUND COLUMNS ON ALL SIDES. CAULK AND SEAL BACKSPLASH.
- PROVIDE FILLER PANELS AS REQUIRED TO FILL IN OPENINGS. PANELS TO MATCH SIZES AND FINISHES OF ADJACENT CASEWORK. INSTALL ALL BACKING AND BLOCKING REQUIRED FOR PANEL INSTALLATION.
- TYPICAL AT ALL 6MM BULKHEADS AS INDICATED ON DRAWINGS. PROVIDE FRAMING, BLOCKING AND BACKING AS REQUIRED TO SUIT CASEWORK BELOW BULKHEAD.
- UNLESS OTHERWISE NOTED ALL ENDS OF COUNTERS, CABINETS, GABLES, BACKSPLASHES, SIDESPLASHES, KICKPLATES, DOORS AND FILLER PANELS TO BE FINISHED TO MATCH ADJACENT CASEWORK.
- PROVIDE ALL CUTOUTS FOR MISCELLANEOUS OPENINGS AS REQUIRED BY ALL TRADES. COORDINATE LOCATION AND SIZES FOR CUTOUTS WITH ALL TRADES BEFORE CUTTING OPENINGS. FINISH EXPOSED EDGES TO MATCH ADJACENT CASEWORK.
- ENSURE CABINETS ARE COORDINATED TO RECEIVE ALL EQUIPMENT AS PER EQUIPMENT LIST AND REQUIREMENTS.
- PROVIDE STRUCTURAL BRACING FOR ANY CLEAR RUNNING COUNTERTOPS WITH A SPAN LONGER THAN 1200MM. SUPPORTS TO CARRY A LIVE LOAD OF 150 kg MIN.
- ALL COUNTERTOPS AND DESKTOPS TO BE POST FORMED PLASTIC LAMINATE WITH 180° ROUND NOSING UNLESS OTHERWISE NOTED.

Project: ESPRIT PLACE EXPANSION
DIST. PARRY SOUND SOCIAL SERVICES ADMIN. BOARD
1 BEECHWOOD DRIVE
PARRY SOUND, ONTARIO
Title: CASEWORK DETAILS

drawn by: JA
checked by: MBW
scale: 1:30
project no: 2356
date plotted: Mar 08, 2024
revision date: Mar 08, 2024

dwg no:

A6.2



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GENERAL

- 1.1. COMPLY WITH THE REQUIREMENTS OF THE ONTARIO BUILDING CODE AND THE OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS.
 - 1.1.1. A BUILDING PERMIT IS REQUIRED FOR ALL STRUCTURAL WORKS UNLESS OTHERWISE NOTED BY THE CHIEF BUILDING OFFICIAL OR AUTHORITY HAVING JURISDICTION.
- 1.2. PROVIDE ALL MATERIAL AND LABOUR REQUIRED FOR THE COMPLETION OF THE WORK. BREAKDOWN OF WORK BY TRADE IS FOR GUIDANCE ONLY AND IS NOT NECESSARILY COMPLETE.
- 1.3. REVIEW STRUCTURAL DRAWINGS IN CONJUNCTION WITH THE CONTRACT DOCUMENTS PREPARED BY ALL CONSULTANTS PRIOR TO CONSTRUCTION. REPORT DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.
- 1.4. DO NOT SCALE THESE DRAWINGS.
- 1.5. THE STRUCTURAL DRAWINGS SHOW BEARING ELEMENTS BELOW WITH DASHED LINES. CONTINUOUS LINES DENOTE STRUCTURAL ELEMENTS ABOVE.
- 1.6. COORDINATE ALL OPENINGS, SLEEVES AND EMBEDDED ITEMS IN STRUCTURE WITH THE CONTRACT DOCUMENTS PREPARED BY ALL CONSULTANTS. REPORT ANY CONFLICTS BEFORE PROCEEDING WITH THE WORK.
- 1.7. DO NOT CUT OR DRILL ANY OPENINGS IN STRUCTURAL MEMBERS WITHOUT WRITTEN PERMISSION FROM THE STRUCTURAL CONSULTANT UNLESS SPECIFICALLY NOTED ON THE STRUCTURAL DRAWINGS.
- 1.8. TYPICAL DETAILS SHOW STRUCTURAL INTENT RATHER THAN ACTUAL CONDITIONS FOR THIS PROJECT.
- 1.9. DRAWING UNITS (UNLESS OTHERWISE NOTED):

LENGTH ----- IN	MASS ----- LBS
PRESSURE ----- PSF	FORCE ----- KIP
LINEAR FORCE ----- LBS/FT	MOMENT / TORSION ----- KIP FT

2. SUBMITTALS

- 2.1. SUBMIT FOR REVIEW BEFORE THE START OF THE WORK SUBMIT SHOP DRAWINGS IN UNLOCKED, PDF DOCUMENT FORMAT FOR:
 - 2.1.1. CONCRETE MIX DESIGNS
 - 2.1.2. CONCRETE REINFORCING STEEL
- 2.2. SHOP DRAWINGS ARE TO BE REVIEWED BY THE CONTRACTOR PRIOR TO SUBMISSION TO THE CONSULTANT. SHOP DRAWINGS THAT DO NOT BEAR THE REVIEW STAMP OF THE CONTRACTOR WILL BE MARKED "RESUBMIT" AND RETURNED WITHOUT BEING REVIEWED.
- 2.3. REVIEW OF SHOP DRAWINGS IS PERFORMED ON A RATIONAL, SAMPLING BASIS FOR GENERAL CONFORMANCE WITH THE INTENT OF THE PLANS AND SPECIFICATIONS PREPARED BY THE STRUCTURAL CONSULTANT. OUR REVIEW DOES NOT INCLUDE DETAILED CHECKING OF DIMENSIONS OR EXTENSIVE CHECKING OF CALCULATIONS FOR ELEMENTS ENGINEERED BY OTHERS AND DOES NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO COMPLETE THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- 2.4. 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.
- 2.5. REVIEW OF A SPECIFIC COMPONENT ON NON-STRUCTURAL SHOP DRAWINGS (COMPONENTS ENGINEERED BY OTHERS) DOES NOT INCLUDE REVIEW OF THE ASSEMBLY OF WHICH THE ITEM MAY BE A COMPONENT.
- 2.6. MAKE CORRECTIONS REQUIRED BY PREVIOUS REVIEW BEFORE RESUBMITTING DRAWINGS. CLEARLY INDICATE ALL CHANGES AND ADDITIONS TO PREVIOUS SUBMISSION. DO NOT ADD NEW DETAILS TO DRAWINGS THAT HAVE BEEN STAMPED AS REVIEWED OR NOTED.
- 2.7. PROVIDE FINAL RECORD DRAWINGS AFTER ALL CORRECTIONS ARE MADE.
- 2.8. THE CONTRACTOR IS TO DEVELOP AND MAINTAIN A DETAILED QUALITY CONTROL PLAN ASSOCIATED WITH THE STRUCTURAL WORK. PROVIDE A COPY OF THE QUALITY CONTROL PLAN TO THE CONSULTANT WHEN REQUESTED. THE QUALITY CONTROL PLAN SHALL INCLUDE, BUT IS NOT LIMITED TO:
 - 2.8.1. PROCEDURES FOR COLD AND HOT WEATHER CONSTRUCTION.
 - 2.8.2. COMPLIANCE WITH THE CONTRACT DOCUMENTS.
 - 2.8.3. COMPLIANCE OF SUB-TRADE QUALIFICATIONS.
 - 2.8.4. PROCEDURES FOR THIRD-PARTY / INDEPENDENT INSPECTION AND TESTING.

3. TEMPORARY WORKS

- 3.1. STRUCTURAL DRAWINGS SHOW THE INTENT OF THE COMPLETED STRUCTURE. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE SCOPE, DESIGN AND ERECTION OF ALL TEMPORARY WORKS THAT ARE NECESSARY TO COMPLETE THE WORK. TEMPORARY WORKS MAY BE REQUIRED THAT ARE NOT SHOWN ON STRUCTURAL DRAWINGS.
- 3.2. DESIGN AND GENERAL REVIEW OF ALL TEMPORARY WORKS TO BE CARRIED OUT BY A PROFESSIONAL ENGINEER (LICENSED AND INSURED TO PRACTICE IN ONTARIO) RETAINED BY THE CONTRACTOR.
- 3.3. MAKE GOOD ALL EXISTING WORK DISTURBED BY TEMPORARY CONSTRUCTION OPERATIONS.

4. EXISTING STRUCTURES

- 4.1. VERIFY EXISTING DIMENSIONS AND CONDITIONS ON SITE PRIOR TO CONSTRUCTION.
- 4.2. TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING STRUCTURES DURING CONSTRUCTION.
- 4.3. EXISTING CONDITIONS ARE ASSUMED. REPORT ANY VARIATIONS TO THE STRUCTURAL CONSULTANT BEFORE PROCEEDING WITH THE WORK.

5. INSPECTION AND TESTING

- 5.1. COOPERATE WITH CONSULTANTS UNDER GENERAL REVIEW AND ALL INSPECTION AND TESTING AGENCIES. PROVIDE SAFE ACCESS TO WORK AREAS AS REQUIRED AND ASSIST IN THEIR WORK. PROVIDE REASONABLE NOTICE (NOT LESS THAN 48 HOURS) PRIOR TO CANCELING ANY WORK THAT REQUIRES INSPECTION, REVIEW OR TESTING. SCHEDULE THE TIME TO OCCUR DURING NORMAL BUSINESS HOURS. ENSURE THAT THE WORK TO BE REVIEWED IS SUBSTANTIALLY COMPLETE IN TIME FOR THE REVIEW.
- 5.2. THE STRUCTURAL CONSULTANT WILL PROVIDE GENERAL REVIEW OF THE WORK DESIGNED BY THE CONSULTANT ON A RATIONAL SAMPLING BASIS IN ACCORDANCE WITH THE GUIDELINE "PROFESSIONAL ENGINEERS PROVIDING GENERAL REVIEW OF CONSTRUCTION AS REQUIRED BY THE ONTARIO BUILDING CODE" AS PREPARED BY PROFESSIONAL ENGINEERS ONTARIO. THESE REVIEWS DO NOT ALLEVIATE THE CONTRACTOR OF THEIR RESPONSIBILITY TO COMPLETE THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS WITH AN APPROPRIATE QUALITY CONTROL PROGRAM.
- 5.3. WORK DEEMED NON-COMPLIANT BY THE INSPECTOR OR CONSULTANT IS TO BE REMEDIATED AND RE-INSPECTED. ALL COSTS ASSOCIATED WITH ADDITIONAL INSPECTIONS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- 5.4. RETAIN QUALIFIED, INDEPENDENT INSPECTION AND TESTING AGENCIES TO UNDERTAKE CONCRETE TESTING, MASONRY TESTING, AND TO INSPECT STRUCTURAL STEEL WORK (AS APPLICABLE) ON SITE.
 - 5.4.1. MAKE ONE STANDARD TEST FOR EACH 100 CUBIC METRES OF CONCRETE (OR PART THEREOF), BUT NOT LESS THAN ONE TEST EACH DAY FOR EACH CLASS. PROVIDE A GROUP OF THREE CONCRETE CYLINDERS FOR EACH STANDARD CONCRETE TEST. BREAK ONE TEST AT 7 DAYS. TEST METHODS AND RESULTS SHALL CONFORM TO CSA A23.2.
- 5.5. RETAIN A GEOTECHNICAL CONSULTANT TO REVIEW ALL FOUNDATION BEARING SURFACES AND TO PERFORM FULL TIME INSPECTION DURING THE PLACEMENT OF ENGINEERED FILLS AND DEEP FOUNDATION ELEMENTS (AS APPLICABLE).

6. CONCRETE

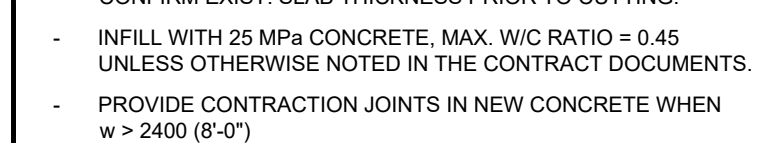
- 6.1. CONFORM TO CSA A23.1: "CONCRETE MATERIALS AND METHODS OF CONCRETE CONSTRUCTION".
- 6.2. CONCRETE IS SPECIFIED AS PER THE "PERFORMANCE SPECIFICATION" ALTERNATIVE AS OUTLINED IN CAN/CSA-A23.1, TABLE 5. THE CONTRACTOR AND THE CONCRETE SUPPLIER TO MEET ALL CERTIFICATION, DOCUMENTATION, AND QUALITY CONTROL REQUIREMENTS.
- 6.3. THE CONCRETE SUPPLIER TO BE CERTIFIED BY THE READY-MIXED CONCRETE ASSOCIATION OF ONTARIO.
- 6.4. THE CONTRACTOR AND THE CONCRETE SUPPLIER ARE TO ENSURE THAT THE PLASTIC AND HARDENED MIX PROPERTIES MEET SITE REQUIREMENTS FOR PLACING, FINISHING AND THE OWNERS' PERFORMANCE REQUIREMENTS.
- 6.5. CEMENT TO BE PORTLAND CEMENT TYPE GU UNLESS NOTED OTHERWISE OR REQUIRED BY EXPOSURE CLASS.
- 6.6. CONCRETE TO BE NORMAL DENSITY UNLESS NOTED OTHERWISE.
- 6.7. NOMINAL SIZE OF COURSE AGGREGATE TO BE 20 mm (3/4") UNLESS NOTED OTHERWISE.
- 6.8. CURING UNLESS OTHERWISE RECOMMENDED BY THE CONCRETE SUPPLIER TO SUIT SCM CONTENT:
 - 6.8.1. BASIC: 3 DAYS AT 10°C MIN OR 40% SPECIFIED STRENGTH
 - 6.8.2. ADDITIONAL: 7 DAYS AT 10°C MIN AND 70% SPECIFIED STRENGTH
 - 6.8.3. EXTENDED: 7 DAYS WET CURING AT 10°C MIN AND 70% OF SPECIFIED STRENGTH
- 6.9. CONCRETE PROPERTIES:

	EXP	fc	ENT	MAX
ELEMENT	CLASS	(MPa)	AIR	W/C
FOOTINGS	F-2	25	4.7%	0.55
EXTERIOR SLABS	C-1	35	5.8%	0.40
INTERIOR SLABS-ON-GRADE	N-CF	25		
				BASIC

- 6.10. PLACE CONCRETE AS CLOSE AS POSSIBLE TO FINAL LOCATION TO AVOID SEGREGATION. VIBRATE ALL CONCRETE.
- 6.11. PROTECT CONCRETE FROM FREEZING. DO NOT PLACE CONCRETE AGAINST FROZEN GROUND. USE COLD WEATHER CONCRETING METHODS IN ACCORDANCE WITH CAN/CSA-A23.1.
- 6.12. PROTECT CONCRETE FROM EXCESSIVE HEAT AND DRYING. USE HOT WEATHER CONCRETING METHODS IN ACCORDANCE WITH CAN/CSA-A23.1.
- 6.13. SLABS:
 - 6.13.1. DO NOT HARD TROWEL (I.E. DENSITY) AIR-ENTRAINED CONCRETE. EXCESSIVE FINISHING CAN DAMAGE THE SURFACE OF THE SLAB FOR WHICH THE CONTRACTOR WILL BE RESPONSIBLE.
- 6.14. FORM THE SLABS OF STRUCTURAL CONCRETE MEMBERS.
- 6.15. PROVIDE 10 (3/8") THICK ASPHALT-IMPREGNATED FIBREBOARD ISOLATION JOINT FILLER WHERE SLAB-ON-GRADE

UNLESS OTHERWISE NOTED ON THE ARCHITECTURAL DRAWINGS OR SPECIFICATIONS, FINISHES ARE TO BE AS FOLLOWS:							
6.16.1.	INTERIOR SLABS:	POWDERED STEEL TROWEL					
6.16.2.	EXTERIOR SLABS:	BROOM					
REINFORCING STEEL							
7.1.	REINFORCEMENT TO CONFORM TO:						
7.1.1.	DEFORMED BARS: CAN/CSA G30-18, GRADE 400R.						
7.1.2.	GALVANIZED BARS: CAN/CSA G30-18, GRADE 400W.						
7.1.3.	WELDED WIRE FABRIC: ASTM A185/A185M.						
7.1.4.	EPOXY-COATING: ASTM D3963						
7.1.5.	ZINC-COATING (GALVANIZED): ASTM A767/A767M						
7.2.	BARS MARKED CONTINUOUS TO BE SPLICED USING CLASS B SPLAS.						
7.3.	ALL REBAR HOOKS TO BE STANDARD LENGTH 90° OR 180° HOOKS. REBAR LENGTHS LISTED ON DRAWINGS DO NOT INCLUDE THE HOOK LENGTH. DO NOT SHORTEN HOOKS TO ACCOMMODATE MEMBER DIMENSIONS, BUT RATHER, TAPER THE HOOK TO ENSURE PROPER CONCRETE COVERAGE.						
7.4.	PROVIDE ADDITIONAL SUPPORT BARS AS REQUIRED TO ADEQUATELY SUPPORT AND SECURE ALL REINFORCEMENT AND PREVENT MOVEMENT WHEN PLACING CONCRETE.						
7.5.	PROVIDE SUFFICIENT CHAIRS TO REINFORCING TO MAINTAIN SPECIFIED CONCRETE COVER.						
7.5.1.	CHAIRS PLACED ON CLEAN, FREE OF LOOSE SCALE, OIL, DIRT, RUST, AND ANY OTHER FOREIGN.						
7.6.	ALL REINFORCING TO BE CLEAN, FREE OF LOOSE SCALE, OIL, DIRT, RUST, AND ANY OTHER FOREIGN COATING THAT AFFECT BONDING CAPACITY.						
7.7.	PROVIDE COATED TIE-WIRES AND PLASTIC CHAIRS FOR ALL EPOXY-COATED OR GALVANIZED REINFORCEMENT. TOUCH-UP ALL DAMAGED EPOXY-COATING AND GALVANIZING PRIOR TO PLACING CONCRETE.						
7.8.	CLEAR CONCRETE COVER TO REINFORCEMENT:						
		CONCRETE EXPOSURE CLASS					
CONCRETE EXPOSURE		N, N-CF	F-1, F-2, S-1, S-2	C-XL, C-1, C-3			
CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH		N/A	75 (3")	75 (3")			
CAST AGAINST VAPOUR BARRIER OR RIGID INSULATION		50 (2")	50 (2")	60 (2 1/4")			
EXPOSED TO WEATHER OR IN CONTACT WITH EARTH FOR 20M OR LARGER		N/A	50 (2")	60 (2 1/4")			
EXPOSED TO WEATHER OR IN CONTACT WITH EARTH FOR 10M AND COLUMNS		N/A	40 (1 1/2")	60 (2 1/4")			
BEAMS, GIRDERS, AND ISLAMS		30 (1 1/4")	N/A	N/A			
SLABS AND WALLS		20 (3/4")	N/A	N/A			
STRUCTURAL MASONRY							
8.1.	CONFORM TO CSA A371: "MASONRY CONSTRUCTION FOR BUILDINGS" AND CSA S304.1: "DESIGN OF MASONRY STRUCTURES".						
8.2.	MATERIALS:						
8.2.1.	GROUT:						
8.2.1.1.	190 (8") AND LARGER UNITS: CSA A179 - COARSE GROUT, 1:3:2 (CEMENT : FINE AGGREGATE : COARSE AGGREGATE, BY VOLUME), SLUMP 200 - 275 mm (8"-11")						
8.3.	DO NOT USE MORTAR WHERE GROUT IS SPECIFIED.						
STRUCTURAL WOOD							
9.1.	CONFORM TO CSA 086: "ENGINEERING DESIGN IN WOOD"						
9.2.	MATERIALS:						
9.2.1.	LUMBER CONFORMING TO CSA O141.						
9.2.1.1.	SPRUCE-PINE-FIR (SPF) NO.1/NO.2 MINIMUM. STUD GRADE <u>IS NOT</u> PERMITTED IN STRUCTURAL WORKS.						
9.2.1.2.	KILN DRIED WITH MAXIMUM MOISTURE CONTENT OF 19%.						
9.2.2.	NAILS TO BE COMMON ROUND OR SPIRAL STEEL WIRE CONFORMING TO CSA B111 OR ASTM F1667. DO NOT SUBSTITUTE WITH BOX NAILS.						
LENGTH		PENNY	MIN. DIAMETER	MIN. DIAMETER			
		WEIGHT	COMMON WIRE	COMMON SPIRAL			
				PNEUMATIC			
51 (2")		6d	2.84 (0.112")	NOT PERMITTED	2.87 (0.113")		
60 (2 3/8")		N/A	N/A	N/A	2.87 (0.113")		
74 (2 1/2")		8d	3.25 (0.128")	NOT PERMITTED	3.33 (0.131")		
66 (3")		10d	3.66 (0.144")	3.10 (0.122")	3.05 (0.120")		
82 (3 1/4")		12d	3.66 (0.144")	3.10 (0.122")	3.05 (0.120")		
89 (3 1/2")		16d	4.06 (0.160")	NOT PERMITTED	4.11 (0.162")		
102 (4")		20d	4.88 (0.192")	NOT PERMITTED	NOT PERMITTED		
114 (4 1/2")		30d	5.38 (0.212")	NOT PERMITTED	NOT PERMITTED		
127 (5")		40d	5.89 (0.232")	NOT PERMITTED	NOT PERMITTED		
9.2.3.	LAG SCREWS CONFORMING TO ASME B18.6.1 WOOD SCREWS.						
9.2.4.	ALL CONNECTORS BY SIMPSON STRONG-TIE OR EQUIVALENT APPROVED BY THE CONSULTANT PRIOR TO CONSTRUCTION. FASTEN TO STRUCTURE PER THE MANUFACTURERS REQUIREMENTS. DO NOT SUBSTITUTE FASTENERS						

- 11.1. CONSTRUCT ALL FOOTINGS ON STRATA CAPABLE OF SUPPORTING THE FOLLOWING DESIGN BEARING PRESSURES:
 - 11.1.1. ULTIMATE LIMIT STATE: 115 kPa
 - 11.1.2. SERVICEABILITY LIMIT STATE: 75 kPa
- 11.2. INSULATION BELOW FOUNDATIONS TO BE STYROFOAM HIGHLIGHT BY DUPONT OR APPROVED EQUIVALENT CONFIRMED PRIOR TO CONSTRUCTION. REFER TO PLANS AND DETAILS FOR MINIMUM COMPRESSIVE STRENGTH AT 5% DEFORMATION.
- 11.3. BEARING ELEVATIONS SHOWN ON STRUCTURAL DRAWINGS ARE ANTICIPATED MINIMUM DEPTHS. FINAL BEARING ELEVATIONS AND CAPACITY MUST BE REVIEWED AND APPROVED BY THE GEOTECHNICAL CONSULTANT PRIOR TO CONSTRUCTING FOOTINGS. ANY DEVIATIONS FROM THE CONTRACT DOCUMENTS TO BE REVIEWED WITH THE STRUCTURAL CONSULTANT PRIOR TO PLACING FORMWORK.
- 11.4. LOCATE ALL EXISTING UNDERGROUND SERVICES PRIOR TO EXCAVATION.
- 11.5. UNLESS OTHERWISE APPROVED BY THE GEOTECHNICAL CONSULTANT, THE LINE OF SLOPE BETWEEN ADJACENT EXCAVATIONS FOR FOOTINGS OR TRENCHES SHALL NOT EXCEED A RISE OF 7 IN A RUN OF 10.
- 11.6. KEEP EXCAVATION DRAINED AND FREE OF WATER AT ALL TIMES. REFER TO GEOTECHNICAL REPORT FOR REQUIRED DEWATERING PROCEDURES.
- 11.7. PROTECT FOOTINGS, WALLS, SLABS-ON-GRADE AND ADJACENT SOIL AGAINST FREEZING AND FROST ACTION AT ALL TIMES DURING CONSTRUCTION. DO NOT PLACE CONCRETE AGAINST FROZEN EARTH.
- 11.8. DO NOT BACKFILL AGAINST WALLS RETAINING EARTH UNTIL ELEMENTS PROVIDING LATERAL SUPPORT, INCLUDING SLABS ON GROUND AND SUSPENDED LEVELS, ARE COMPLETED.
- 11.9. FOR ELEMENTS THAT ARE TO BE BACKFILLED ON BOTH SIDES, PLACE BACKFILL SIMULTANEOUSLY ON BOTH SIDES SUCH THAT HEIGHTS DO NOT VARY BY MORE THAN 300 MM (1'-0") FROM THE OTHER.
12. DESIGN DATA
 - 12.1. STRUCTURAL DESIGN IS IN ACCORDANCE WITH PART 9 OF THE ONTARIO BUILDING CODE 2012.
 - 12.2. CLIMATIC LOCATION: PARRY SOUND, ONTARIO
 - 12.3. SPECIFIED SNOW LOAD = $S_s Cb + S_r = (2.8)(0.55) + 0.4 = 1.94 \text{ kPa}$ (40 PSF)
 - 12.4. LIVE LOAD = 50 PSF



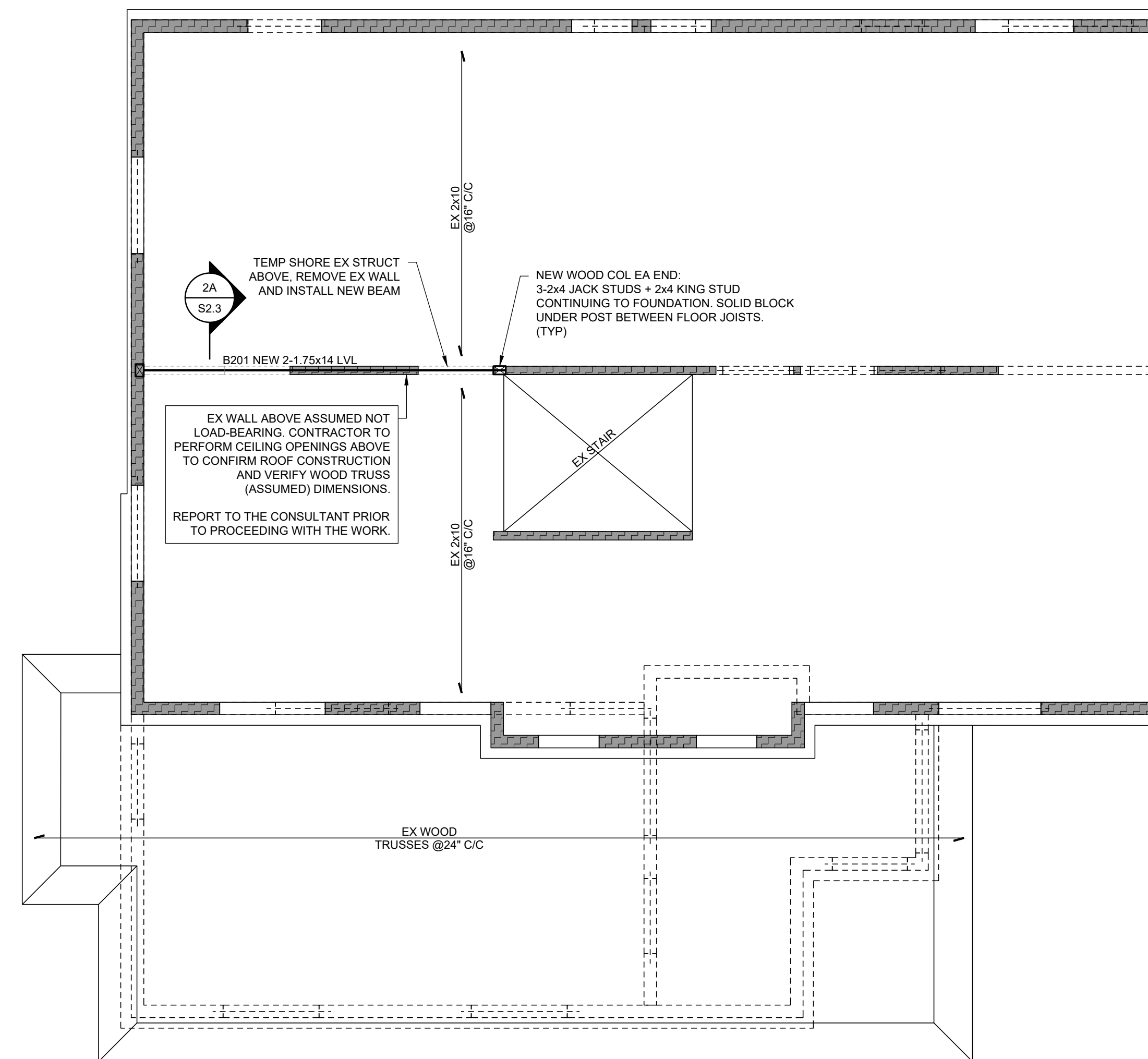
- STAGGER SCREWS ON EACH FACE OF BEAM.
- LOCATE FIRST ROW OF SCREWS 152 (6") FROM EACH END.
- LOCATE SCREWS 38 (1 1/2") FROM EDGE.
- ADD ADDITIONAL ROW OF SCREWS FOR BEAMS DEEPER THAN 229 (9").
- REFER TO SIMPSON CATALOGUE FOR INSTALLATION INFORMATION AND ADDITIONAL DETAILS.

- FASTENERS ARE IN ADDITION TO CONNECTORS NOTED ELSEWHERE ON THE STRUCTURAL DRAWINGS.

CONNECTION SCHEDULE		
# OF PLIES	FASTENERS	MIN. END DIST.
2	76 (3") NAILS	60 (2 1/2")
3	102 (4") NAILS	80 (3 1/4")
4	152 (6") NAILS	120 (4 3/4")

AL	FACTORED AXIAL LOAD +/- (TENSION / COMPRESSION)	LLV	LONG LEG VERTICAL
ALT	ALTERNATE	LSH	LONG SIDE HORIZONTAL
ARCH	ARCHITECTURAL CONTRACT DOCUMENTS	LSV	LONG SIDE VERTICAL
B. BOT	BOTTOM	LW	SPANNING LONG WAY
BEW	BOTTOM EACH WAY	MF	FACTORED MOMENT
BLL	BOTTOM LOWER LAYER	XX	MOMENT CONNECTION WITH FACTORED DESIGN MOMENT NOTED
BF	BEAM	MAX	MAXIMUM
BOL	BOTTOM OF FOOTING	MECH	MECHANICAL CONTRACT DOCUMENTS
BOF	BOTTOM UPPER LAYER	MID	MIDDLE
CA	COLUMN ABOVE	MIN	MINIMUM
CB	COLUMN BELOW	MJ	MOVEMENT JOINT
C/C, C/O C	CENTRE-TO-CENTRE, ON CENTRE	MTI	FACTORED TORSIONAL MOMENT
CANT	CANTILEVER	NOT	NOT IN CONTRACT
CL	CONTROL JOINT	NTS	NOT TO SCALE
CLR	CLEAR	OPP	OPPOSITE
CLT	STEEL JOIST CORE NOMINAL THICKNESS	OWSJ	OPEN WEB STEEL JOIST
COL	COLUMN	PLATE	PLATE
CONC	CONCRETE	PT	PRESSURE-TREATED
CONT	CONTINUOUS	REINF	REINFORCED / REINFORCEMENT
CW	COMPLETE WITH SERVICE DEAD LOAD	S	SERVICE SNOW LOAD
DAA	DRILLED ADHESIVE ANCHOR	SDL	SERVICE-IMPROVED DEAD LOAD
DO	DO ORLER	SIM	SIMILAR
DMA	DRILLED MECHANICAL ANCHOR	SLS	SERVICE LIMIT STATE
DP	DEEP	SLAB	SLAB
DWG	DRAWING	SOCD	STANDARD CODE
DWLS	DOWELS	SPEC	SPECIFICATIONS
E	EARTHQUAKE LOAD	STAG	STAGGERED
EA	EACH	STPL	STEEL
EGR	EPOXY-COATED REINFORCEMENT	SPANNING	SPANNING SHORT WAY
EL, EXP, JT	EXPANDED JOIN	T	TOP
EL ELEV	ELEVATION	THW	TOP EACH WAY
EQ	EQUAL	THK	THICK
EX, EXIST	EXISTING	THRU	THROUGH
EXT	EXTERIOR	TJ	TIE JOIST
FDN	FOUNDATION	TLL	TOP LOWER LAYER
FTG	FOOTING	TOF	TOP OF CONCRETE
GA	GALVANE	TOF	TOP OF FOOTING
GALV	GALVANIZED	TOS	TOP OF STEEL
GL	GRID LINE	TOW	TOP OF WALL
H	HORIZONTAL	TUL	TOP UPPER LAYER
H. HORIZ	HORIZONTAL EACH FACE	TYP	TYPICAL UNLESS OTHERWISE NOTED
HIF	HORIZONTAL INSIDE FACE	UL	UPPER LEVEL
HOF	HORIZONTAL OUTSIDE FACE	ULS	ULTIMATE LIMIT STATE
HSTD	STANDARD HOOK ONE END	U/N	UNLESS NOTED
HT	STANDARD HOOK EACH END	U/S	UNDERSIDE
HI	HEIGHT	V. VERT	VERTICAL
INT	INTERIOR	VEF	VERTICAL EACH FACE
JT	JOINT	VIF	VERTICAL INSIDE FACE
L	SERVICE LIVE LOAD	VOF	VERTICAL OUTSIDE FACE
LG	LONG	VSCC	VERTICAL SLOTTED CONNECTION
LL	LOWER LEVEL	W	SERVICE WIND LOAD
LLH	LONG LEG HORIZONTAL	WP	WORK POINT
		WT	WEIGHT
		WWF	WELDED WIRE FABRIC
		ZRP	ZINC-RIRED PRIMER

S2.1



1. SEE FLOOR PLAN NOTES ON DRAWING S2.2.

S2.3

PART 1 MECHANICAL GENERAL CONDITIONS

- THE MECHANICAL CONTRACTOR SHALL FURNISH ALL LABOUR, MATERIALS, TOOLS, EQUIPMENT, ETC. REQUIRED TO COMPLETE ALL WORK SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN.
- THE WORK SHALL BE IN ACCORDANCE WITH RULES AND REGULATIONS OF ALL AUTHORITIES HAVING JURISDICTION OVER THE WORK.
- THE CONTRACTOR SHALL PROVIDE ANY SMALL ITEMS OF WORK NOT SPECIFICALLY CALLED FOR BUT REQUIRED TO COMPLETE THE INTENDED INSTALLATION.
- ONLY COMMERCIAL GRADE EQUIPMENT AND MATERIALS SHALL BE INSTALLED.
- THE ENGINEER RESERVES THE RIGHT TO APPROVE THE QUALITY OF MATERIAL AND WORKSMANSHIP, AND TO CALL FOR ANY TEST WHICH HE/SHE DEEMS NECESSARY DURING THE PROCESS OF THE WORK AND A COMPLETE TEST OF EACH SYSTEM AT COMPLETION OF THE WORK. THE COSTS OF SUCH TESTS SHALL BE INCLUDED IN THE TENDER PRICE.

PART 2 PERMITS AND INSPECTION

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND SHALL OBTAIN ALL NECESSARY PERMITS, INSPECTIONS, CERTIFICATES, ETC. REQUIRED BY ALL AUTHORITIES HAVING JURISDICTION OVER THIS WORK AND SHALL PAY FOR SAME.
- COSTS FOR PERMITS, INSPECTIONS, ETC. SHALL BE INCLUDED IN THE TENDER PRICE.
- ALL PERMITS SHALL BE DELIVERED TO THE OWNER'S REPRESENTATIVE AS SOON AS THEY BECOME AVAILABLE.

PART 3 SCOPE OF WORK

- THE WORK SHALL CONSIST OF BUT NOT LIMITED TO PLUMBING AND VENTILATION MODIFICATIONS IN CONJUNCTION WITH THE MINOR INTERIOR RENOVATION.

PART 4 AS-BUILT DRAWINGS

- CONTRACTOR SHALL KEEP A SEPARATE SET OF REDLINE DRAWINGS ON SITE AND NOTE ALL CHANGE AND DEVIATIONS FROM THE ORIGINAL DESIGN.
- TWO SETS OF THESE PLANS SHOWING ALL AS BUILT CONDITIONS SHALL BE FORWARDED TO THE OWNER AT THE COMPLETION OF THE CONTRACT AND BEFORE APPLYING FOR FINAL PAYMENT.

PART 5 SHOP DRAWINGS

- SUBMIT ELECTRONIC COPIES OF MANUFACTURER'S SHOP DRAWINGS FOR REVIEW BY THE ENGINEER PRIOR TO PLACING ORDER FOR ALL EQUIPMENT AND MATERIAL RELATED TO THIS CONTRACT.
- SHOP DRAWINGS TO INCLUDE PRODUCT CHARACTERISTICS, PERFORMANCE CRITERIA, PHYSICAL SIZE, FINISH, AND LIMITATIONS.

PART 6 EXAMINATION OF THE SITE

- THE CONTRACTOR SHALL VISIT THE SITE OF THE PROJECT AND FAMILIARIZE THEMSELVES WITH THE SCOPE OF WORK.
- ANY DEVIATION AND/OR CONFLICTS ON SITE SHALL BE REPORTED TO THE ENGINEER PRIOR TO SUBMITTING THE TENDER.
- ALL DIMENSIONS, CONFIGURATIONS, EQUIPMENT LOCATIONS, ETC. TO BE CHECKED AND VERIFIED ON SITE.

PART 7 CONSTRUCTION SCHEDULE

- MECHANICAL CONTRACTOR SHALL SCHEDULE AND PERFORM HIS/HER WORK TO MEET THE COMPLETION SCHEDULE AS SET OUT BY THE OWNERS. ANY OVERTIME WORK SHALL BE INCLUDED IN HIS TENDER.
- CONTRACTOR SHALL ADVISE OF ANY SHUTDOWNS OR DISRUPTIONS OF SERVICES WITH A MINIMUM OF 48 HOURS NOTICE.

PART 8 CHANGE CONTROL

- NO ADDITIONAL MONEY OVER THE CONTRACT PRICE SHALL BE PAID UNLESS AN APPROVED CHANGE ORDER HAS BEEN ISSUED BY THE ENGINEER.
- CLAIMS FOR EXTRAS SHALL BE SUBMITTED WITH A COMPLETE BREAKDOWN OF MATERIAL, LABOUR, HOURLY RATES, ETC.

PART 9 CLEAN-UP

- CONTRACTOR SHALL BE RESPONSIBLE TO PERIODICALLY REMOVE ALL DEBRIS AND TO KEEP THIS AREA CLEAN AT ALL TIMES.

PART 10 EQUIPMENT AND MATERIAL

- ALL MATERIALS USED ON THIS PROJECT SHALL BE NEW AND WITHOUT BLEMISH OR DEFECT.
- ALL MATERIAL AND EQUIPMENT SHALL BE OF THE TYPE SUBJECT TO FACTORY MUTUAL, UNDERWRITER'S LABORATORIES OF CANADA OR CANADIAN STANDARDS ASSOCIATION, INSPECTION AND APPROVAL AND SHALL BEAR LULC OR CSA LABELS.

PART 11 TESTING

- PERFORM TESTS ON EACH SYSTEM TO THE SATISFACTION OF THE ENGINEER AND SUBMIT TEST RESULTS FOR APPROVAL PRIOR TO THE FINAL ACCEPTANCE OF WORK AND IN CONFORMANCE WITH THE AUTHORITY HAVING LOCAL JURISDICTION.

PART 12 DEMONSTRATION OF SYSTEM

- CONTRACTOR TO DEMONSTRATE THE FUNCTION AND OPERATION OF EACH SYSTEM TO THE MAINTENANCE STAFF OR THE OWNER'S REPRESENTATIVE.

PART 13 IDENTIFICATION

- ALL PIPING AND DUCTWORK TO BE LABELED AND PAINTED IN CONFORMANCE WITH C558 24-CP-2A.
- ALL LABELING TO BE INSTALLED ON LONG STRAIGHT RUNS CLEARLY VISIBLE AND UNOBSTRUCTED.

PART 14 COORDINATION

- CONTRACTOR IS RESPONSIBLE FOR COORDINATING INSTALLATION OF EQUIPMENT, DUCTWORK, PIPING, DEFUSERS, GRILLES, ETC. WITH ALL OTHER TRADES PRIOR TO ROUGH-IN AND INSTALLATION.

PART 15 ACCESSIBILITY

- ALL WORK SHALL BE INSTALLED SO AS TO BE READILY ACCESSIBLE FOR OPERATION, MAINTENANCE AND REPAIRS.
- MANUFACTURERS INSTALLATION REQUIREMENTS TO BE REVIEWED - PROVIDE ALL REQUIRED SERVICE SPACE ALLOCATIONS FOR ALL EQUIPMENT INSTALLED UNDER THIS CONTRACT.

PART 16 RESPONSIBILITY

- THIS TRADE SHALL BE RESPONSIBLE FOR HIS/HER WORK UNTIL COMPLETION AND FINAL ACCEPTANCE, AND FOR REPLACING ANY ITEM THAT MAY BE DEFECTIVE, DAMAGED, LOST OR STOLEN WITHOUT ANY ADDITIONAL COST TO THE OWNER OR DELAY TO THE COMPLETION OF THE PROJECT.

PART 17 WARRANTY

- CONTRACTOR SHALL WARRANT ALL WORK AND APPARATUS INSTALLED UNDER THIS CONTRACT AGAINST DEFECTS OR WORKMANSHIP FOR A PERIOD OF ONE YEAR AFTER COMPLETION BY THE ENGINEER AND THE OWNER.

PART 18 FIREPROOFING

- ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE FIRE STOPPED WITH APPROVED FIRE STOP SYSTEM TO SUIT FIRE RATED ASSEMBLY.
- INSTALL AS PER MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS.
- SUBMIT FIRE STOP SYSTEM SHOP DRAWINGS FOR REVIEW BY ENGINEER PRIOR TO COMPLETING WORK.

PART 19 CUTTING, PATCHING, AND PAINTING

- ALL CUTTING, PATCHING, AND PAINTING FOR MECHANICAL WORK SHALL BE DONE BY THE MECHANICAL CONTRACTOR.
- OBTAIN ANY/ALL APPROVALS PRIOR TO CUTTING STRUCTURAL MEMBERS.
- UPON REMOVAL OF PIPING, DUCTWORK, THERMOSTATS, CONTROL WIRING, ETC. PATCH ALL HOLES CREATED FROM REMOVALS AND MATCH EXISTING FINISHES.
- PROVIDE STEEL PIPE SLEEVES WHERE PIPING PASSES THROUGH MASONRY OR CONCRETE.
- PROVIDE FIRE STOP SYSTEM CALCULUS AS PER MANUFACTURER'S RECOMMENDATIONS FOR ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES.
- ALL PENETRATIONS THROUGH EXTERIOR WALL ASSEMBLIES TO BE INSULATED AND SEALED TO MAKE WEATHER TIGHT. SEAL WITH NON-HARDENING MASTIC.

PART 20 ACCESS DOORS

- PROVIDE ACCESS DOORS FOR ALL CONCEALED VALVES, EQUIPMENT, CONTROLS, ETC.
- LOCATE ACCESS DOORS TO ALLOW FOR PROPER OPERATION, INSPECTION, ADJUSTMENT AND SERVICING.
- ACCESS DOORS TO BE FLUSH MOUNTED, PROVIDE MINIMUM 24"x24" WHERE FLOOR BODY ACCESS IS REQUIRED, AND MINIMUM 12"x12" WHERE HAND ENTRY IS REQUIRED.
- COORDINATE FINISH WITH ENGINEER. PRIMED AND PAINTABLE STEEL ACCESS DOORS TO BE PROVIDED IN ALL AREAS.

PART 21 OPERATIONAL AND MAINTENANCE MANUALS

- MECHANICAL CONTRACTOR SHALL PROVIDE TO THE OWNER THREE (3) COPIES OF OPERATING AND MAINTENANCE INSTRUCTIONS FOR ALL EQUIPMENT SUBMITTED UNDER THIS CONTRACT.

PART 22 INSULATION AND JACKETING

- INSULATION AND JACKETING TO HAVE MAXIMUM FLAME SPREAD RATINGS OF 25 AND MAXIMUM SMOKE DEVELOPMENT RATING OF 50 WHEN TESTED IN ACCORDANCE WITH CAN/ULC S102.
- INSULATE PIPING WITH RIGID MINERAL FIBRE SLEEVING WITH FOILCASTR LAMINATE

PACKET WITH OPEN MESH FIBRE SCIRM REINFORCING. INSULATION THICKNESS AS PER ASHRAE 90.1-2013 TABLES 6.8.3.1 AND 6.8.3.2.

- EXPOSED PIPING TO BE PVC JACKETED AND LABELED.

- FRESH AIR INTAKES, FIRST 10' OF EXHAUST DUCTWORK, AND HRV INTAKE AND EXHAUST (FULL LENGTH) TO BE INSULATED WITH 1" THICK THERMAL INSULATION AND ALUMINUM FOIL JACKET INSULATION TO BE FLEXIBLE FOR ROUND DUCTWORK, RIGID FOR RECTANGULAR DUCTWORK.
- EXPOSED DUCTWORK IN MECHANICAL ROOMS TO BE CANVAS WRAPPED.

PART 23 METAL DUCTS - LOW PRESSURE TO 500 PA

- GALVANIZED INDOOR AIR QUALITY AS PER ASHRAE STANDARDS.
- LOCK FORMING QUALITY: TO ASTM A 653/A653M, Z90 ZINC COATING.
- THICKNESS, FABRICATION AND REINFORCEMENT: TO ASHRAE AND SMACNA.
- JOINTS: TO ASHRAE AND SMACNA OR PROPRIETARY MANUFACTURED DUCT JOINT. PROPRIETARY MANUFACTURED FLANGED DUCT JOINT TO BE CONSIDERED TO BE A CLASS A SEAL.
- HANGERS: GALVANIZED STEEL ANGLE WITH GALVANIZED STEEL RODS TO ASHRAE AND SMACNA.

PART 24 FLOOR DRAINS

- FINISHED AREAS:
 - LACQUERED CAST IRON FLOOR DRAIN WITH ANCHOR FLANGE, WEEPHOLES, AND STANDARD HEAVY DUTY 5" DIAMETER, POLISHED STAINLESS STEEL STRAINER. EQUAL TO MIFAB SERIES F1000-C-3 FOR MEMBRANE FLOORS - EQUAL TO MIFAB F1000-C-5-3.

- TILED AREAS:
 - LACQUERED CAST IRON FLOOR DRAIN WITH ANCHOR FLANGE, WEEPHOLES, AND STANDARD HEAVY DUTY SQUARE POLISHED STAINLESS STEEL STRAINER. EQUAL TO MIFAB SERIES F1100-C-3 (3" STRAINER SIZE) FOR MEMBRANE FLOORS - EQUAL TO F1100-5 (*) 3-C (3" STRAINER SIZE)

- NON-FINISHED AREAS:
 - LACQUERED CAST IRON FLOOR DRAIN WITH ANCHOR FLANGE, WEEPHOLES, AND STANDARD HEAVY DUTY 5" DIAMETER, DUCTILE IRON STRAINER. EQUAL TO MIFAB SERIES F1100-5-4 FOR MEMBRANE FLOORS EQUAL TO MIFAB F1100-C-5-4

- FLOOR DRAIN WITH SURFACE MEMBRANE CLAMP:
 - LACQUERED CAST IRON FLOOR DRAIN WITH ANCHOR FLANGE, WEEPHOLES, AND "FC" 7" DIAMETER HEAVY DUTY POLISHED STAINLESS STEEL STRAINER WITH SURFACE MEMBRANE CLAMP. EQUAL TO MIFAB SERIES F1100-FC-3 FOR MEMBRANE FLOORS EQUAL TO MIFAB F1100-C-FC-3

- FLOOR DRAIN WITH FUNNEL:
 - LACQUERED CAST IRON FLOOR DRAIN WITH ANCHOR FLANGE, WEEPHOLES, AND STANDARD 4" X 9" (102 X 229) OVAL SATIN FINISHED NICKEL BRONZE OPEN THROAT FUNNEL. EQUAL TO MIFAB SERIES F1100-6G FOR MEMBRANE FLOORS EQUAL TO MIFAB F1100-C-6G SERIES

- LACQUERED CAST IRON FLOOR DRAIN WITH ANCHOR FLANGE, WEEPHOLES AND STANDARD 4" (102) ROUND SATIN FINISHED NICKEL BRONZE FUNNEL ASSEMBLY. EQUAL TO MIFAB SERIES F1100-FF FOR MEMBRANE FLOORS EQUAL TO MIFAB F1100-C-FF SERIES

- UNFINISHED AREA FLOOR DRAIN WITH 9" ROUND ADJUSTABLE TRACTOR GRATE LACQUERED CAST IRON FLOOR DRAIN WITH ANCHOR FLANGE, CAST IRON CLAMP RING WITH PRIMARY AND SECONDARY WEEPHOLES FOR WATERPROOFING MEMBRANE, AND STANDARD 1" (25) THICK, 9" (225) DIAMETER, DUCTILE IRON TRACTOR GRATE. EQUAL TO MIFAB SERIES F1320-C-4 FOR NON MEMBRANE FLOORS EQUAL TO MIFAB F1320 SERIES

PART 25 CLEANOUTS

- FLOOR CLEANOUTS:

1. CLEANOUTS SHALL HAVE LACQUERED CAST IRON BODIES WITH ANCHOR FLANGE, SECONDARY "O" RING TEST SEAL AND ADJUSTABLE COMBINED ACCESS COVER AND PLUG TOP ASSEMBLY WITH PRIMARY GASKET SEAL.
2. CLEANOUTS IN FINISHED FLOOR TO BE ROUND TOP OR C1000-S-3 SQUARE TOP WITH HEAVY DUTY POLISHED STAINLESS STEEL FINISH AND MAXIMUM LOAD RATING OF 7,499 LBS. EQUAL TO MIFAB C1000-R-3
3. CLEANOUTS IN UNFINISHED AREAS TO BE ROUND TOP WITH DUCTILE IRON COVER WITH MAXIMUM LOAD RATING OF 7,499 LBS. EQUAL TO MIFAB C1100-XR-4
4. CLEANOUTS IN LINOTILE AREAS TO BE (ROUND TOP) OR C1100-TS-3 (SQUARE TOP) WITH A HEAVY DUTY LOAD RATED POLISHED STAINLESS STEEL TOP. EQUAL TO MIFAB C1100-T-3
5. CLEANOUTS IN CARPETED AREAS TO BE WITH A HEAVY DUTY LOAD RATED POLISHED STAINLESS STEEL TOP AND STAINLESS STEEL CARPET MARKER. EQUAL TO MIFAB C1100-RC-3
6. SURFACE MEMBRANE CLAMP FOR PLENUM FLOORS TO BE LACQUERED CAST IRON CLEANOUT WITH ANCHOR FLANGE, WEEPHOLES, AND "RFC" 7" DIAMETER REINFORCED COMBINED STAINLESS STEEL COVER WITH PLUG AND SURFACE MEMBRANE CLAMP. EQUAL TO MIFAB SERIES C1100-RFC7-3-34

- WALL CLEANOUTS:
 - CAST IRON LINE CLEANOUT TO BE LACQUERED CAST IRON CLEANOUT FERRULE WITH 1/2" (13) THICK DUCTILE IRON COMBINED COVER AND PLUG. EQUAL TO MIFAB SERIES C1450
 - CAST IRON STACK CLEANOUT TO BE LACQUERED CAST IRON CLEANOUT WITH LARGE ACCESS AREA AND THREE-EDGED PLUG. EQUAL TO MIFAB SERIES C1460
 - EXPANDABLE LINE CLEANOUT TO BE CLEANOUT PLUG WITH EXPANDABLE CLEANOUT. LINE CLEANOUT TO BE SUPPLIED IN CONJUNCTION WITH THE APPROPRIATE SIZE STAINLESS STEEL COVER AND VANDAL PROOF SCREW. EQUAL TO MIFAB SERIES C1440-RD

2. WALL CLEANOUTS:

1. CAST IRON LINE CLEANOUT TO BE LACQUERED CAST IRON CLEANOUT FERRULE WITH 1/2" (13) THICK DUCTILE IRON COMBINED COVER AND PLUG. EQUAL TO MIFAB SERIES C1450
2. CAST IRON STACK CLEANOUT TO BE LACQUERED CAST IRON CLEANOUT WITH LARGE ACCESS AREA AND THREE-EDGED PLUG. EQUAL TO MIFAB SERIES C1460
3. EXPANDABLE LINE CLEANOUT TO BE CLEANOUT PLUG WITH EXPANDABLE CLEANOUT. LINE CLEANOUT TO BE SUPPLIED IN CONJUNCTION WITH THE APPROPRIATE SIZE STAINLESS STEEL COVER AND VANDAL PROOF SCREW. EQUAL TO MIFAB SERIES C1440-RD

PART 26 DRAINAGE WASTE AND VENT PIPING - PLASTIC, CAST IRON AND COPPER

- DRAINAGE AND VENT LINES INSIDE BUILDING TO BE CAST IRON OR COPPER BELOW 2".
- PVC PIPING MAY BE USED IN LINE OF CAST OR COPPER.
- ALL PIPING IN PLENUM SPACES TO BE RATED FOR SUCH DUTY - PLASTIC PIPING IN PLENUM SPACES TO BE SYSTEM 40R PVC.

PART 27 DOMESTIC WATER PIPING - COPPER

- ABOVE GROUND: COPPER TUBE, HARD DRAWN, TYPE L; TO ASTM B 88M.
- BURIED OR EMBEDDED: COPPER TUBE, SOFT ANNEALED, TYPE K; TO ASTM B 88M, IN LONG LENGTHS AND WITH NO BURIED JOINTS.

PART 28 BALL VALVES

- NPS 2 AND UNDER, SOLDERED:
- TO ANSI/ASME B16.18, CLASS 150.
- BRONZE BODY, CHROME PLATED BRASS BALL, PTFE ADJUSTABLE PACKING, BRASS GLAND AND PTFE SEAT, STEEL LEVER HANDLE, WITH NPT TO COPPER ADAPTORS AS SPECIFIED SECTION 23.05-2.3.01 - VALVES - BRONZE.

PART 29 PLUMBING FIXTURES

- PLUMBING FIXTURES SUPPLIED AND INSTALLED BY MECHANICAL CONTRACTOR.

U#1 - COUNTER MOUNTED DROP IN LAVATORY

AMERICAN STANDARD 0476028.020 BASIN - DROP-IN LAVATORY, VITREOUS CHINA, WHITE FINISH, 102 MM (4") CENTERSET, FRONT OVERFLOW, WITH FAUCET LEGGE, OVERALL DIMENSIONS: 518 MM (20-3/8") LONG, 441 MM (17-3/8") WIDE, 178 MM (7") HIGH, BOWL DIMENSIONS: 406 MM (16") LONG, 254 MM (10") WIDE, 143 MM (5-5/8") DEEP

AMERICAN STANDARD 7075200.002 FAUCET - COLONY®, COUNTER MOUNTED, MANUAL, TWO HANDLES, LAVATORY FAUCET, POLISHED CHROME FINISH, 102 MM (4") CENTERSET, LEAD FREE ANSI/NSF 61 AND ANSI/NSF 372 COMPLIANT, METAL BODY, LESS SUPPLY, CERAMIC DISC CARTRIDGE, 4.5 LPM (1.2 GPM) MAXIMUM FLOWRATE, PRESSURE COMPENSATING AERATOR, MID-ARC SPOUT, 114 MM (4-1/2") SPOUT REACH, 108 MM (4-1/4") HIGH, LEVER HANDLES, METAL DRAIN, 13 MM (1/2") MALE INLET SHANKS.

AMERICAN STANDARD 2411.015.002 FIXTURE DRAIN - GRID DRAIN, FOR SINKS, BRASS CONSTRUCTION, POLISHED CHROME FINISH, 6-3/8" (162 MM) HEIGHT, WITH OVERFLOW, 32 MM (1-1/4") TAILPIECE, ASME A112.18.2, CSA B 125.5

MCGUIRE LFBV2165 SUPPLY - LEAD FREE, CONVERTIBLE QUARTER-TURN SUPPLY, CHROME-PLATED FINISH, TWO RISERS 13 MM (1/2") I.P.S. X 10 MM (3/8") Ø BRASS BALL VALVE, 304 MM (12") COPPER FLEXIBLE RISERS, CONVERTIBLE LOOSE KEY HANDLE, LAVATORY, TWO STEEL SHALLOW FLANGES

MCGUIRE 8872C P-TRAP - HEAVY CAST BRASS, ADJUSTABLE P-TRAP, 292 MM (11-1/2") DISTANCE, WITH CLEANOUT PLUG, STEEL SHALLOW FLANGE, NEOPRENE GASKET, SIPSUNITS, 17-GAUGE SEAMLESS TUBULAR WALL BEND, ASME A112.18.2 CSA B125.2, CSA COMPLIANT

CS#1 - UNDERMOUNT, DOUBLE BOWL TWO HANDLES

FRANKE COMMERCIAL UC6408B-1 SINK - DOUBLE COMPARTMENT SINK, KITCHEN SINK, WITH OVERALL DIMENSION 794 MM (31-3/4") LONG, 460 MM (18-1/8") WIDE, 203 MM (8") HIGH, CONSTRUCTED FROM 18 GAUGE TYPE 304 STAINLESS STEEL, LEFT BOWL IS 356 MM (14") LONG AND RIGHT BOWL IS 356 MM (14") LONG, LEFT BOWL IS 406 MM (16") WIDE AND RIGHT BOWL IS 406 MM (16") WIDE, LEFT BOWL IS 203 MM (8") DEEP AND RIGHT BOWL IS 203 MM (8") DEEP, POLISHED TO #4 SATIN FINISH, CENTER BACK WASTE LOCATION, 38 MM (1-1/2") (DN38) BRASS TAILPIECE, STANDPIPE WITH GUARD, 89 MM (3-1/2") CRUMB CLIP STRAINER, UNDERCOATED TO REDUCE CONDENSATION AND RESONANCE, CODES AND COMPLIANCES: ASME A112.19.3 COMPLIANT, CSA B45.4 COMPLIANT.

DVY D35404300.100 FAUCET - ETRE™, COUNTER MOUNTED, MANUAL, SINGLE HANDLE, SINK FAUCET, POLISHED CHROME FINISH, SINGLE HOLE CENTERSET, LEAD FREE ANSI/NSF 61 COMPLIANT, LEAD FREE BRASS CONSTRUCTION, INTEGRAL CHECK VALVE, STAINLESS STEEL FLEXIBLE LINES, CERAMIC DISC CARTRIDGE, 6.8 LPM (1.8 GPM) MAXIMUM FLOWRATE, SPRAY OUTLET, HIGH-ARC SPOUT, PULL DOWN, 216 MM (8-1/2") SPOUT REACH, 454 MM (17-7/8") HIGH, LEVER HANDLE.

MCGUIRE LFC165LK SUPPLY - ICV DEFENDER, LEAD FREE, WITH CHROME-PLATED FINISH, INTEGRAL CHECK SUPPLY KIT, FAUCET, PIPE TO COMPRESSION CONNECTION, 3/8" I.P.S. X 3/8" O.D. CONNECTION, SHALLOW WALL FLANGE, LOOSE KEY HANDLE, FULL TURN BRASS STEM, 305 MM (12") CHROME-PLATED RISERS, PURPLE EPDM PEROXIDE CURED WASHERS, CODES AND COMPLIANCES: NSF/ANSI 61 & 372, UPC

MCGUIRE 8903C P-TRAP - HEAVY CAST BRASS, ADJUSTABLE P-TRAP, 349 MM (13-3/4") LENGTH, WITH CLEANOUT PLUG, SHALLOW STEEL FLANGE, SEAMLESS TUBULAR BRASS BEND, SIPSUNITS

LAWLER TMM-1070-87500 MIXING VALVE - THE POINT OF USE MECHANICAL MIXING VALVE WITH THERMOSTATIC LIMIT STOP, MECHANICAL MIXING VALVE, LEAD FREE BRASS BODY CONSTRUCTION, THE TEMPERATURE ADJUSTING DIAL IS LOCATED ON THE COLD INLET. TURNING THE DIAL CLOCKWISE WILL LOWER THE OUTLET TEMPERATURE, TURNING THE DIAL COUNTER-CLOCKWISE WILL RAISE IT. THE VALVE CANNOT BE ADJUSTED ABOVE ITS SHUT-OFF TEMPERATURE OF 120F, 1.8 LPM (0.5 GPM) TEMPERED FLOWRATE @ 5 PSI PRESSURE DROP, COMPRESSION FITTING, 94 MM (3-5/8") HIGH, ASSE 1070 APPROVED ASSE LEAD FREE CERTIFIED FOR ASSE 1070 APPLICATIONS, 3/8" MNPT (9.5 MM) INLET, 3/8" MNPT (9.5 MM) OUTLET, INTEGRAL RUBBER DUCK-BILL BACKFLOW CHECKS, HIGH TEMPERATURE LIMIT STOP, 125 PSI MAX SUPPLY PRESSURE, AUTOMATICALLY SHUTS DOWN FLOW OF WATER WHEN TEMPERATURE REACHES 120 °F, 5 PSI MINIMUM OPERATING PRESSURE, 140 °F MAX, 118 °F ±3 °F, PROTECTS AGAINST SCALDING AND CHILLING, 8 LPM (2.1 GPM) FLOWRATE @ 45 PSI

CS#2 - UNDERMOUNT SINGLE BOWL SINK

FRANKE COMMERCIAL UCS680B-1 SINK - SINGLE COMPARTMENT SINK, KITCHEN SINK, WITH OVERALL DIMENSION 508 MM (20") LONG, 460 MM (18-1/8") WIDE, 203 MM (8") HIGH, CONSTRUCTED FROM 18 GAUGE TYPE 304 STAINLESS STEEL, BOWL DIMENSIONS ARE 457 MM (18") LONG, 406 MM (16") WIDE, 203 MM (8") DEEP, POLISHED TO #4 SATIN FINISH, CENTER BACK WASTE LOCATION, 38 MM (1-1/2") (DN38) BRASS TAILPIECE, STANDPIPE WITH GUARD, 89 MM (3-1/2") CRUMB CLIP STRAINER, UNDERCOATED TO REDUCE CONDENSATION AND RESONANCE, CODES AND COMPLIANCES: ASME A112.19.3 COMPLIANT, CSA B45.4 COMPLIANT.

DVY D35404300.100 FAUCET - ETRE™, COUNTER MOUNTED, MANUAL, SINGLE HANDLE, SINK FAUCET, POLISHED CHROME FINISH, SINGLE HOLE CENTERSET, LEAD FREE ANSI/NSF 61 COMPLIANT, LEAD FREE BRASS CONSTRUCTION, INTEGRAL CHECK VALVE, STAINLESS STEEL FLEXIBLE LINES, CERAMIC DISC CARTRIDGE, 6.8 LPM (1.8 GPM) MAXIMUM FLOWRATE, SPRAY OUTLET, HIGH-ARC SPOUT, PULL DOWN, 216 MM (8-1/2") SPOUT REACH, 454 MM (17-7/8") HIGH, LEVER HANDLE.

MCGUIRE LFC165LK SUPPLY - ICV DEFENDER, LEAD FREE, WITH CHROME-PLATED FINISH, INTEGRAL CHECK SUPPLY KIT, FAUCET, PIPE TO COMPRESSION CONNECTION, 3/8" I.P.S. X 3/8" O.D. CONNECTION, SHALLOW WALL FLANGE, LOOSE KEY HANDLE, FULL TURN BRASS STEM, 305 MM (12") CHROME-PLATED RISERS, PURPLE EPDM PEROXIDE CURED WASHERS, CODES AND COMPLIANCES: NSF/ANSI 61 & 372, UPC

MCGUIRE 8903C P-TRAP - HEAVY CAST BRASS, ADJUSTABLE P-TRAP, 349 MM (13-3/4") LENGTH, WITH CLEANOUT PLUG, SHALLOW STEEL FLANGE, SEAMLESS TUBULAR BRASS BEND, SIPSUNITS

LAWLER TMM-1070-87500 MIXING VALVE - THE POINT OF USE MECHANICAL MIXING VALVE WITH THERMOSTATIC LIMIT STOP, MECHANICAL MIXING VALVE, LEAD FREE BRASS BODY CONSTRUCTION, THE TEMPERATURE ADJUSTING DIAL IS LOCATED ON THE COLD INLET. TURNING THE DIAL CLOCKWISE WILL LOWER THE OUTLET TEMPERATURE, TURNING THE DIAL COUNTER-CLOCKWISE WILL RAISE IT. THE VALVE CANNOT BE ADJUSTED ABOVE ITS SHUT-OFF TEMPERATURE OF 120F, 1.8 LPM (0.5 GPM) TEMPERED FLOWRATE @ 5 PSI PRESSURE DROP, COMPRESSION FITTING, 84 MM (3-5/8") HIGH, ASSE 1070 APPROVED ASSE LEAD FREE CERTIFIED FOR ASSE 1070 APPLICATIONS, 3/8" MNPT (9.5 MM) INLET, 3/8" MNPT (9.5 MM) OUTLET, INTEGRAL RUBBER DUCK-BILL BACKFLOW CHECKS, HIGH TEMPERATURE LIMIT STOP, 125 PSI MAX SUPPLY PRESSURE, AUTOMATICALLY SHUTS DOWN FLOW OF WATER WHEN TEMPERATURE REACHES 120 °F, 5 PSI MINIMUM OPERATING PRESSURE, 140 °F MAX, 118 °F ±3 °F, PROTECTS AGAINST SCALDING AND CHILLING, 8 LPM (2.1 GPM) FLOWRATE @ 45 PSI

WC#1 - FLOOR MOUNTED TANK TYPE ELONGATED TOILET

AMERICAN STANDARD 215AA054.020 TOILET - CADET® PRO™, TANK TYPE TOILET, FLOOR MOUNTED WITH FLOOR OUTLET, LOW CONSUMPTION 6.0 LFP (1.6 GPF), WHITE FINISH VITREOUS CHINA, EVERCLEAN™ ANTIMICROBIAL SURFACE, ELONGATED BOWL, RIGHT HEIGHT™ RIM AT 419 MM (16-1/2"), MINIMUM 305 MM (12") ROUGH-IN FROM WALL TO THE CENTER OF WASTE OUTLET, SIPHON JET FLUSH ACTION, MANUAL, POLISHED CHROME LEFT-HAND TRIP LEVER (7381231-200.002A), TANK WITH AQUAGUARD LINER, WITHOUT TANK COVER LOCKING DEVICE, GRAVITY-ASSISTED FLUSH, CADET® FLUSHING SYSTEM, 766 MM (3") FLUSH VALVE, METAL SHANK FILL VALVE, TANK COUPLING COMPONENTS, 229 X 203 MM (9" X 8") WATER SURFACE AREA, FULLY-GLAZED 54 MM (2-1/8") TRAPWAY, POWERWASH™ RIM SCRUBS BOWL WITH PRESSURIZED WATER EVERY FLUSH, INCLUDES EZ-INSTALL TOOLS, TRADE EXCLUSIVE TANK, TOILET SEAT NOT INCLUDED, COLOUR-MATCHED BOLT CAPS, 441 MM (17-3/8") WIDE, 765 MM (30-1/8") FROM FINISHED WALL, 772 MM (30-3/8") HIGH COMPLIANCES: ASME A112.19.2 COMPLIANT, CSA B45.1 COMPLIANT.

CENTOCO 600-001 SEAT - FOR ELONGATED BOWL, CLOSED FRONT, LIGHT DUTY, FOR COMMERCIAL APPLICATIONS, POLYPROPYLENE, TOILET SEAT, WITH SEAT COVER, TOP-MOUNTED HINGES, SPECIFIED IN WHITE FINISH, INCLUDES PLASTIC HARDWARE, DIMENSIONS:22 MM (7/8") HIGH, 381 MM (15") WIDE

MCGUIRE LFBV172 SUPPLY - LEAD FREE, 127 MM (5") LENGTH, CONVERTIBLE QUARTER-TURN SUPPLY, CHROME-PLATED FINISH, TWO 13 MM (1/2") COPPER SWEAT X 10 MM (3/8") OUTER Ø BRASS BALL VALVE, 304 MM (12") COPPER FLEXIBLE RISERS, CONVERTIBLE LOOSE KEY HANDLE, TOILET, 2 DEEP BELL FLANGE

SH#1 - 3-PIECE ACRYLIC SHOWER LH/RH TO SUIT DRAWINGS - LESS SEAT

MIROLIN MADISON 5 - 3 PIECE ACRYLIC SHOWER SH5LR, 1524 MM X 870 MM X 2146MM (60" X 34 3/8" X 84 3/4"), VACUUM FORMED ACRYLIC REINFORCED WITH FIBREGLASS, SCRATCH/STAIN/FADE RESISTANT HIGH GLOSS FINISH, LESS SEAT, 4 SHELVES, STAINLESS STEEL GRAB BAR 1 1/4" DIA. POWDER COATED WHITE AND FACTORY INSTALLED WITH CONCEALED MOUNTING, FASTER ASSEMBLY WITH THE "SNAP-IT" SYSTEM (3-PIECES), FDX CHROME DRAIN INCLUDED, BUILT IN 1" TILE FLANGE ON 3 SIDES, PATTERNED BOTTOM COMPLETE

AMERICAN STANDARD 7075.507.002 COMPLETE SHOWER TRIM - PRESSURE BALANCE BATH/SHOWER FITTING, POLISHED CHROME FINISH, SHOWER TRIM KIT WITH WATER SAVING SHOWERHEAD (1.75 GPM (6.6 LPM) FLOWRATE), 1.75 GPM (6.6 LPM) SHOWERHEAD FLOWRATE (WHEN SELECTED AS BATH/SHOWER TRIM KIT OR SHOWER TRIM KIT), PLASTIC WALL ESCUTCHEON, METAL LEVER HANDLE, PRESSURE BALANCE, FOR USE WITH R111 SERIES PRESSURE BALANCE VALVES, MEETS THE AMERICAN DISABILITIES ACT GUIDELINES AND ANSI A117.1 REQUIREMENTS FOR THE PHYSICALLY CHALLENGED, ANSI A117.1, ASSE 1016, ASME A112.18.1, CSA B125.1

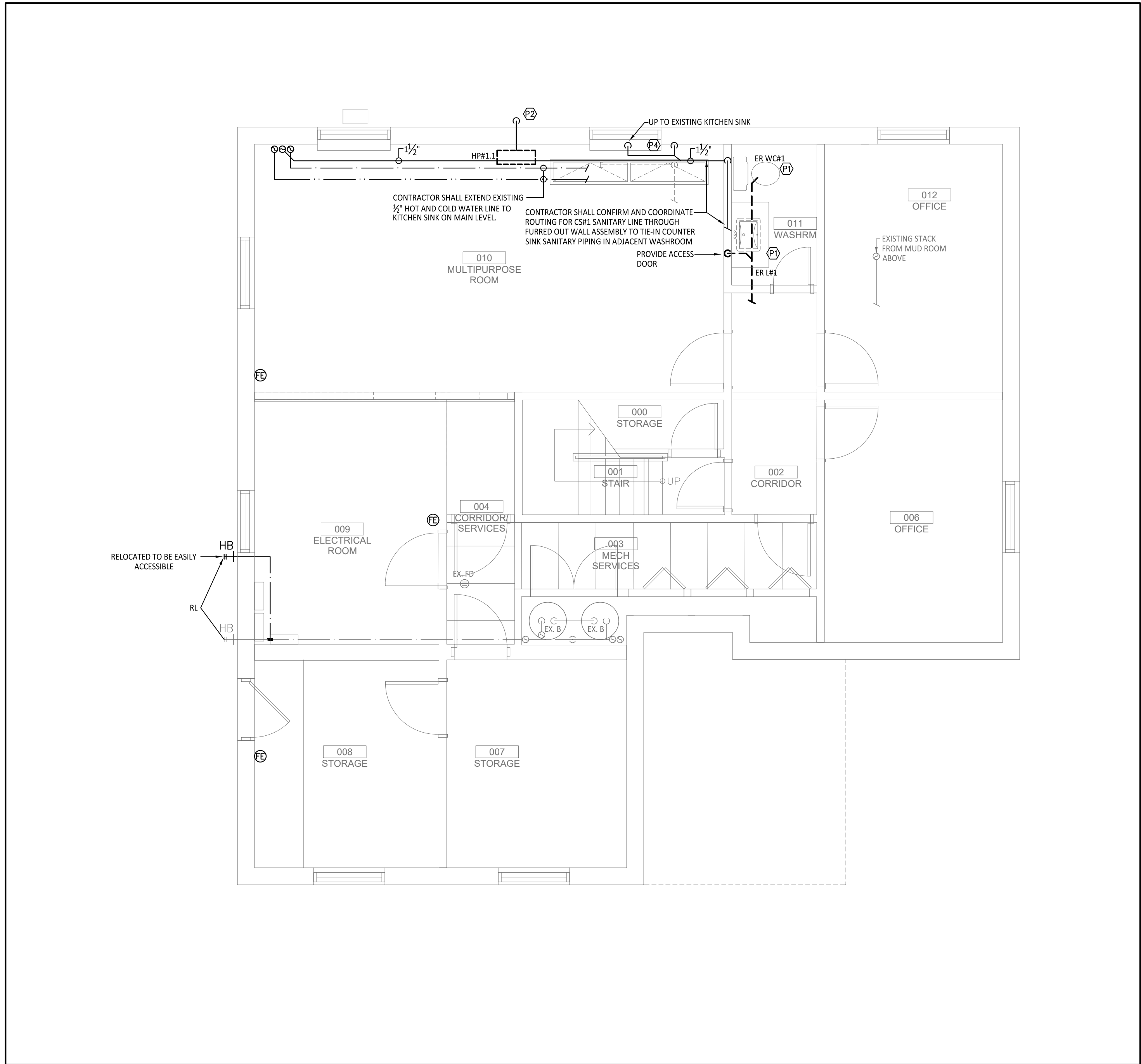
AMERICAN STANDARD R11155 SHOWER VALVE - WITH SCREWDRIVER STOPS, CAST BRASS BODY, SHOWER VALVE, PRESSURE BALANCE ROUGH VALVE BODY ONLY, LESS TRIM, WASHER-LESS CERAMIC DISC VALVE-CARTRIDGE WITH BACK-TO-BACK CAPABILITY, PRESSURE-BALANCING CARTRIDGE MAINTAINS CONSTANT OUTPUT TEMPERATURE IN RESPONSE TO CHANGES IN RELATIVE HOT AND COLD SUPPLY PRESSURE, ONE-HALF" INLETS AND OUTLETS, UNIVERSAL INLETS/OUTLETS, CYCLES FROM IN OFF" TO IN COLD" TO IN HOT", INTEGRATED CHECK VALVES, HOT LIMIT SAFETY STOP, ROUGH-IN PLASTER GUARD DESIGNED FOR USE AS THIN-WALL MOUNTING ADAPTOR, ASSE 1016, ASME A112.18.1, CSA B 125

PART 30 TESTING, ADJUSTING, AND BALANCING FOR HVAC SYSTEMS

- CONTRACTOR TO CARRY SERVICES OF AIR BALANCING SUBCONTRACTOR IN TENDER PRICE FOR WORK OUTLINED IN CONTRACT DOCUMENTS.
- SUBMIT AIR BALANCING REPORT TO ENGINEER FOR REVIEW AND ACCEPTANCE UPON COMPLETION OF BALANCING.

PLUMBING GENERAL NOTES:

- INSTALLATION SHALL BE IN ACCORDANCE TO THE ONTARIO BUILDING CODE, AWWA STANDARDS/GUIDELINES AND ALL AUTHORITIES HAVING JURISDICTION.
- CONTRACTOR SHALL VERIFY ALL TIE IN POINTS TO EXISTING PLUMBING, SANITARY AND VENT LINES PRIOR TO STARTING WORK.
- CONTRACTOR TO PROVIDE ALL FITTINGS, ACCESSORIES, AND MATERIALS REQUIRED TO FACILITATE THE COMPLETION OF THE WORK INDICATED ON THE DRAWINGS AND SPECIFICATIONS.
- REMOVE AND DISPOSE OF ALL UNUSED FIXTURES, EQUIPMENT, PIPING, VALVES, HANGERS/SUPPORTS ETC. UNLESS OTHERWISE NOTED.
- ALL PIPING SHALL BE ROUTED ABOVE CEILING SPACE UNLESS OTHERWISE NOTED. ALL PIPING EXPOSED TO VIEW SHALL BE ROUTED AS HIGH AS POSSIBLE, TIGHT TO THE UNDERSIDE OF THE STRUCTURE AND WRAPPED IN PVC JACKET.
- ALL PIPING SHALL BE CONCEALED IN WALL SPACE AND BEHIND FIXED FURNISHINGS (MILLWORK) UNLESS OTHERWISE NOTED.
- ALL EXPOSED PIPING IN OCCUPIED AND FURNISHED AREAS SHALL BE CHROME PLATED WITH CHROME PLATED ESCUTCHEONS AT PIPE ENTRY INTO SPACE. ESCUTCHEONS TO COMPLETELY COVER ALL PENETRATIONS THROUGH ASSEMBLY.
- SLEEVE OR CORE-DRILL FLOOR SLABS, WALLS ETC. AS REQUIRED FOR PIPING. VERIFY LOCATION OF ANY AND ALL STRUCTURAL BEAMS, JOISTS, ETC. PRIOR TO COMMENCEMENT OF DRILLING. CONFIRM AND COORDINATE ALL REQUIREMENTS AND CARRY ALL COSTS.
- CONTRACTOR TO PROVIDE TEST PLUGS IN ALL PLUMBING AND SANITARY/VENT PIPING DURING CONSTRUCTION TO PREVENT ANY DEBRIS FROM ENTERING SYSTEM UNTIL FINAL PRODUCT IS INSTALLED.
- WHEREVER FOUNDATIONS, EXTERIOR WALLS OR ROOFING SYSTEMS ARE PENETRATED FOR INSTALLATION OF SYSTEMS, THEY SHALL BE PATCHED TO MATCH EXISTING CONSTRUCTION AND SEALED WEATHER TIGHT.
- ACCESS PANELS TO BE PROVIDED WHERE VALVES, CONTROL DEVICES, ETC. ARE CONCEALED WITHIN WALLS OR CEILING ASSEMBLIES. ALL DEVICES REQUIRING ACCESS FOR MAINTENANCE OR ADJUSTMENT SHALL BE MADE ACCESSIBLE.
- ALL CONNECTIONS BETWEEN FERROUS AND NONFERROUS PIPING SHALL BE PROTECTED WITH AN ISOLATION, DIELECTRIC UNION/COUPLING.
- FIRE-STOP ALL PENETRATIONS THROUGH RATED ASSEMBLIES WITH APPROVED FIRE STOPPING SYSTEM/MATERIALS.
- PROVIDE A METHOD OF ISOLATION IE. BALL VALVES, FOR ALL



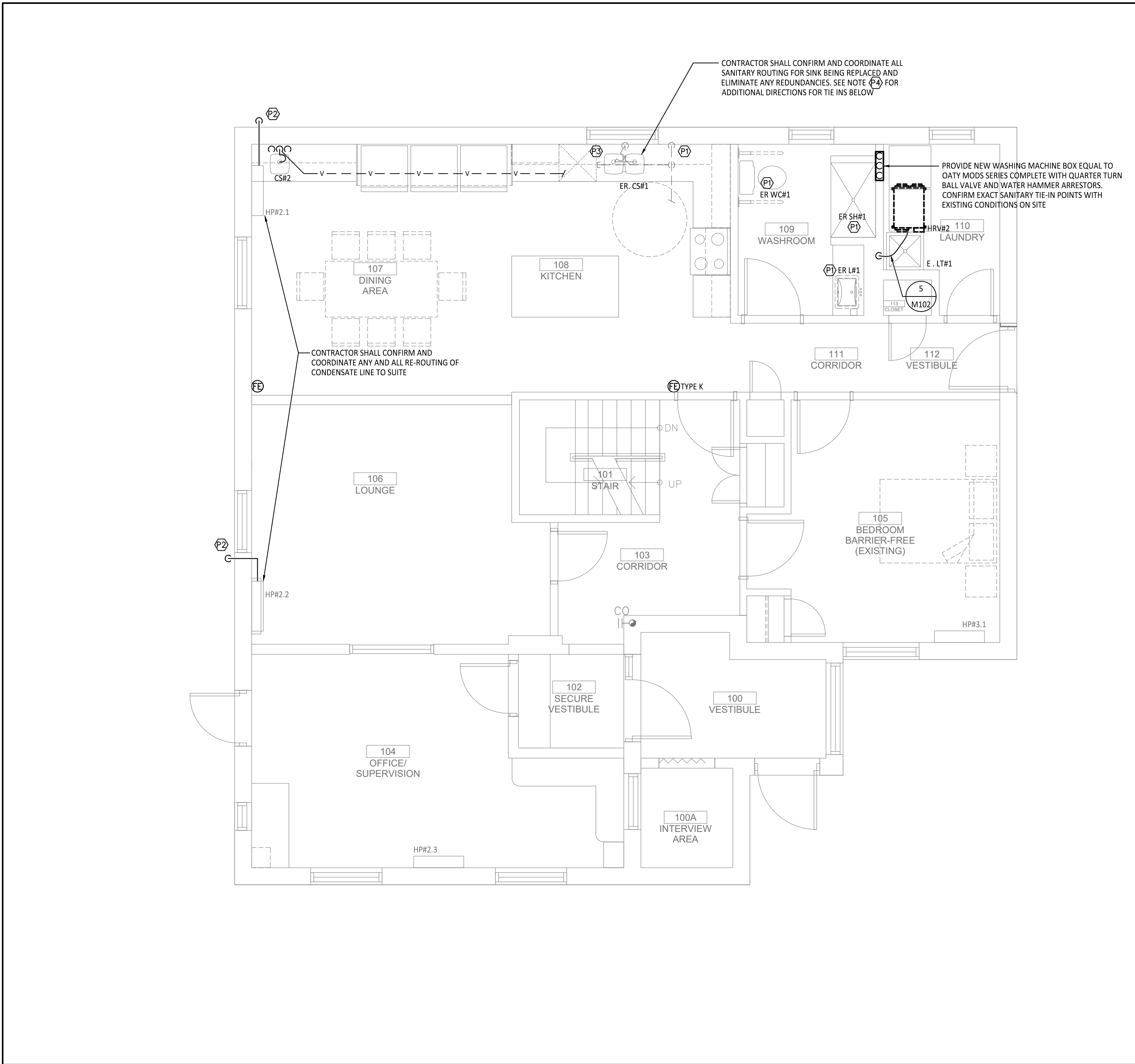
1

BASEMENT - FLOOR PLAN - PROPOSED PLUMBING

SCALE: 1/4" = 1' - 0"

PLUMBING DRAWING NOTES:

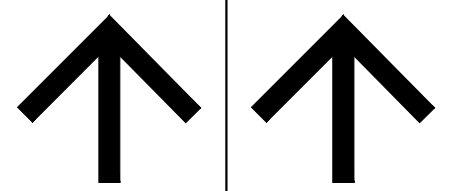
- Ⓟ CONTRACTOR SHALL CONFIRM AND COORDINATE RECONNECTION OF HOT, COLD, SANITARY AND VENT FOR NEW PLUMBING FIXTURES.
- Ⓟ CONTRACTOR SHALL TERMINATE CONDENSATE LINE 18" ABOVE GRADE WITH COMPLETED SPLASH PAD BELOW. CONCEAL PIPING IN LINESSET COVER PAINTED TO MATCH EXTERIOR
- Ⓟ CONTRACTOR SHALL CONFIRM AND COORDINATE EXACT ROUTING AND TIE-IN OF DISHWASHER SANITARY DISCHARGE INTO CS#1 DRAINAGE COMPLETE WITH SANITARY DISHWASHER WYE. ALL PIPING TO BE CONCEALED IN MILLWORK.
- Ⓟ CONTRACTOR SHALL INSPECT EXISTING SANITARY AND VENTING CURRENTLY ROUTED THROUGH JOIST SPACE BELOW JOIST TO ACCOMMODATE JOIST REPAIRS. CONFIRM AND COORDINATE TIE-IN TO NEW SANITARY LINE IN FIRRED OUT WALL BELOW. CONFIRM WITH ARCHITECTURAL DRAWINGS FOR ANY ADDITIONAL BULKHEADS REQUIRED.



2

MAIN LEVEL - FLOOR PLAN - PROPOSED PLUMBING

SCALE: 1/4" = 1' - 0"



TRUE NORTH PROJECT NORTH

- GENERAL NOTES:
- THESE DRAWINGS MUST BE CHECKED BY THE CUSTOMER OR CONTRACTOR. ANY ERRORS OR OMISSIONS MUST BE REPORTED IN WRITING TO SUPPA ENGINEERING PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 - OWNER OR CONTRACTOR MUST CHECK AND VERIFY ALL SITE CONDITIONS BEFORE PROCEEDING WITH THE WORK.
 - ALL DIMENSIONS SHOWN ON THESE DRAWINGS MUST BE CHECKED AGAINST ALL OTHER PROJECT DRAWINGS. ALL DISCREPANCIES MUST BE REPORTED TO THE CONSULTANT BEFORE PROCEEDING WITH THE WORK.
 - FOR CONSTRUCTION PURPOSES, USE ONLY THE LATEST APPROVED DRAWINGS.
 - DO NOT SCALE THE DRAWINGS.

REVISION SCHEDULE

No.	DESCRIPTION	DATE
0	ISSUED FOR REVIEW	JAN. 12, 2024
1	ISSUED FOR TENDER	FEB. 27, 2024
2	ISSUED FOR TENDER	MAR. 08, 2024

Project Status:

ISSUED FOR
TENDER

Seal:

SUPPA
ENGINEERING

Suppa Engineering
592 Cassella Street
North Bay, ON P1B 3Z7
Tel: 705-707-2121
www.suppaengineering.ca

Project:

ESPRIT WOMEN'S
SHELTER
RENOVATION

Address:

1 BEECHWOOD DRIVE, PARRY SOUND, ONTARIO

Drawing Title:

MECHANICAL
PLUMBING
FLOOR PLAN

Project No:

22-033B

Drawn By:

ZZ

Date:

Mar. 8, 24

Checked By:

BW

Scale:

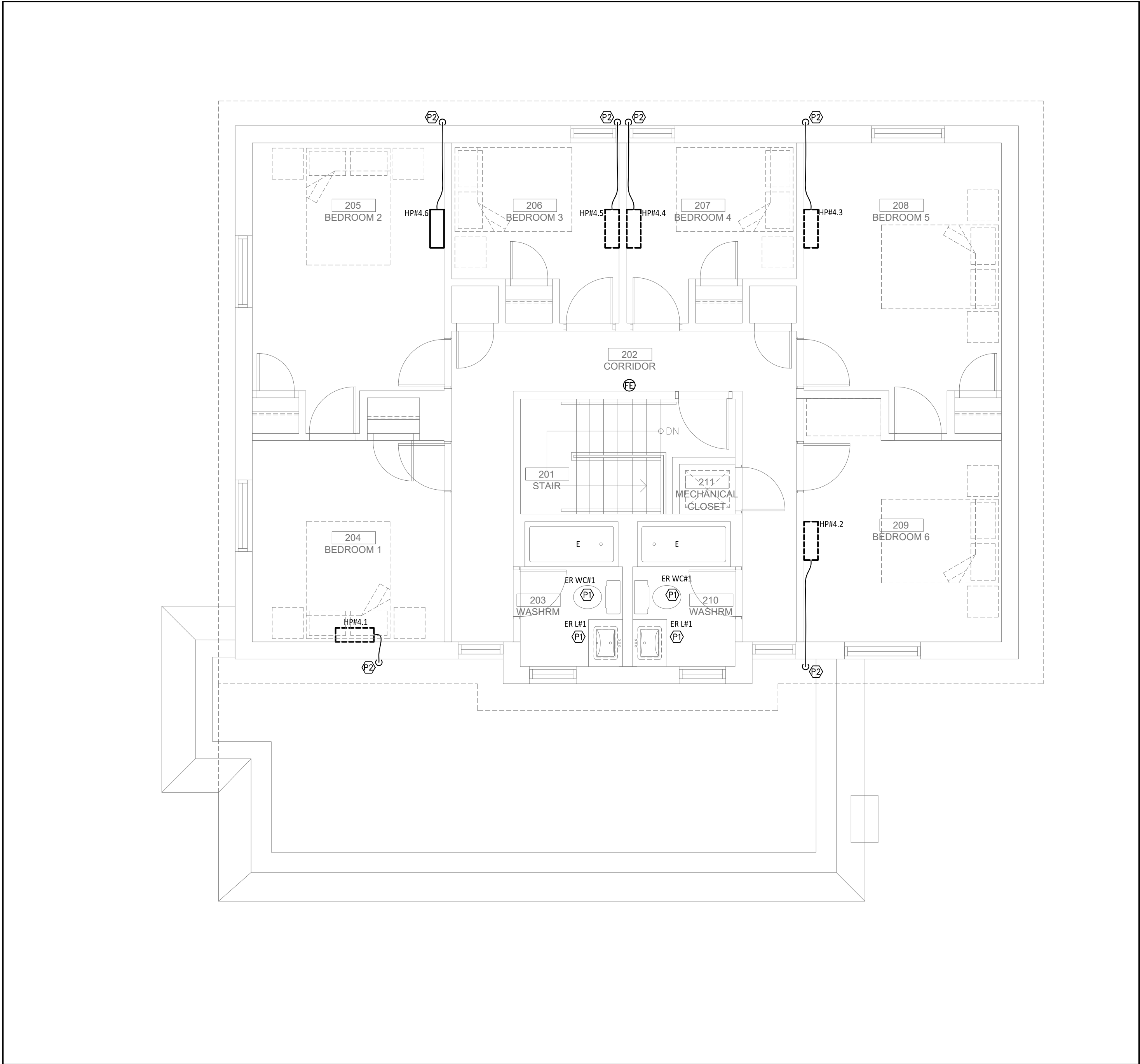
1/4" = 1' - 0"

Drawing No:

M101

Revision:

2



1

UPPER LEVEL - FLOOR PLAN - PROPOSED PLUMBING

SCALE: 1/4" = 1' - 0"

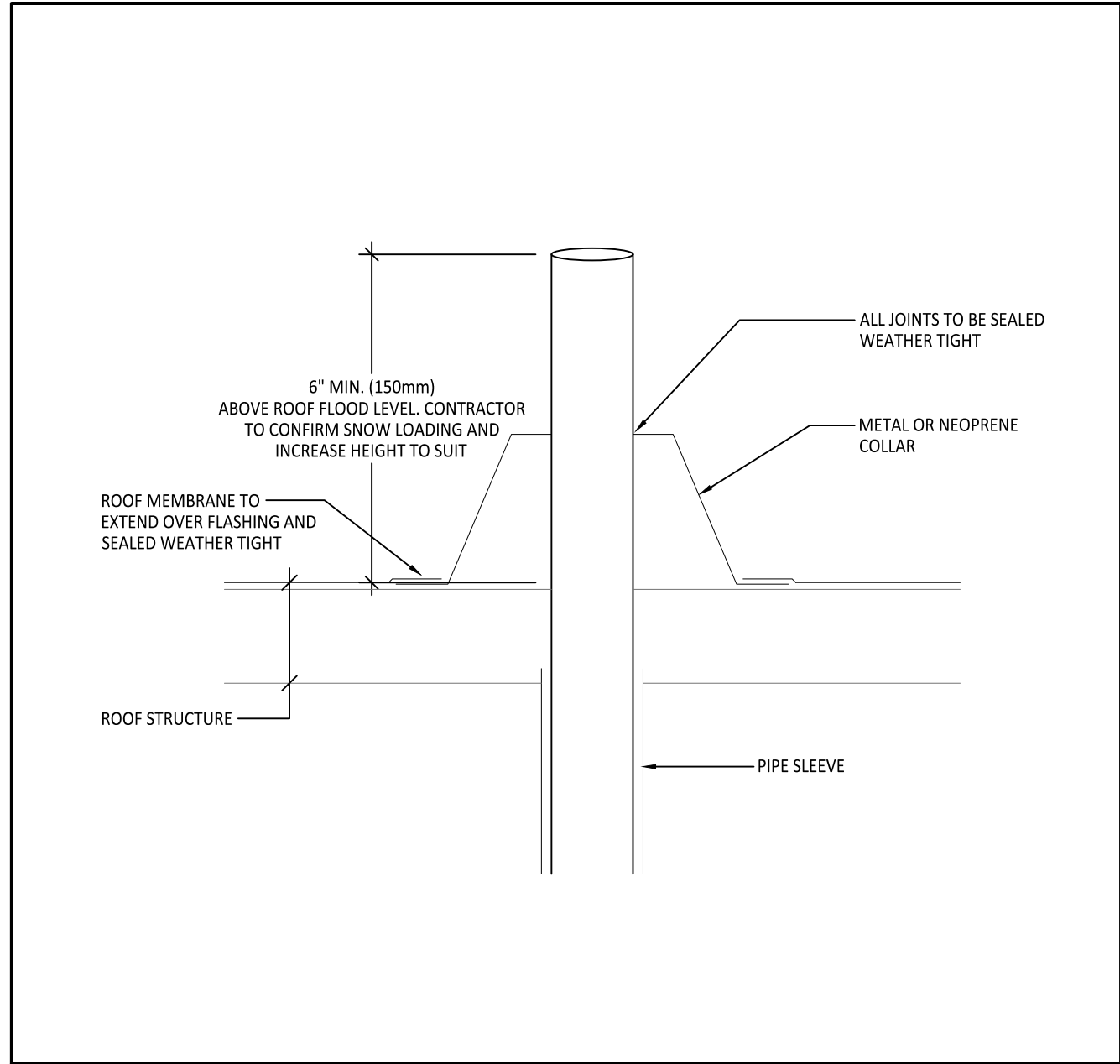
PLUMBING DRAWING NOTES:

- HP#4.1 CONTRACTOR SHALL CONFIRM AND COORDINATE RECONNECTION OF HOT, COLD, SANITARY AND VENT FOR NEW PLUMBING FIXTURES.
- HP#4.2 CONTRACTOR SHALL TERMINATE CONDENSATE LINE 18" ABOVE GRADE WITH COMPLETED SPLASH PAD BELOW. CONCEAL PIPING IN LINESET COVER PAINTED TO MATCH EXTERIOR
- HP#4.3 CONTRACTOR SHALL CONFIRM AND COORDINATE EXACT ROUTING AND TIE-IN OF DISHWASHER SANITARY DISCHARGE INTO CS#1 DRAINAGE COMPLETE WITH SANITARY DISHWASHER WYE. ALL PIPING TO BE CONCEALED IN MILLWORK.
- HP#4.4 CONTRACTOR SHALL INSPECT EXISTING SANITARY AND VENTING CURRENTLY ROUTED THROUGH JOIST SPACE BELOW JOIST TO ACCOMMODATE JOIST REPAIRS. CONFIRM AND COORDINATE TIE-IN TO NEW SANITARY LINE IN FIRRED OUT WALL BELOW. CONFIRM WITH ARCHITECTURAL DRAWINGS FOR ANY ADDITIONAL BULKHEADS REQUIRED.

2

FUNNEL FLOOR DRAIN INSTALLATION DETAIL

SCALE: N.T.S.



4

VENT THRU FLAT ROOF INSTALLATION DETAIL

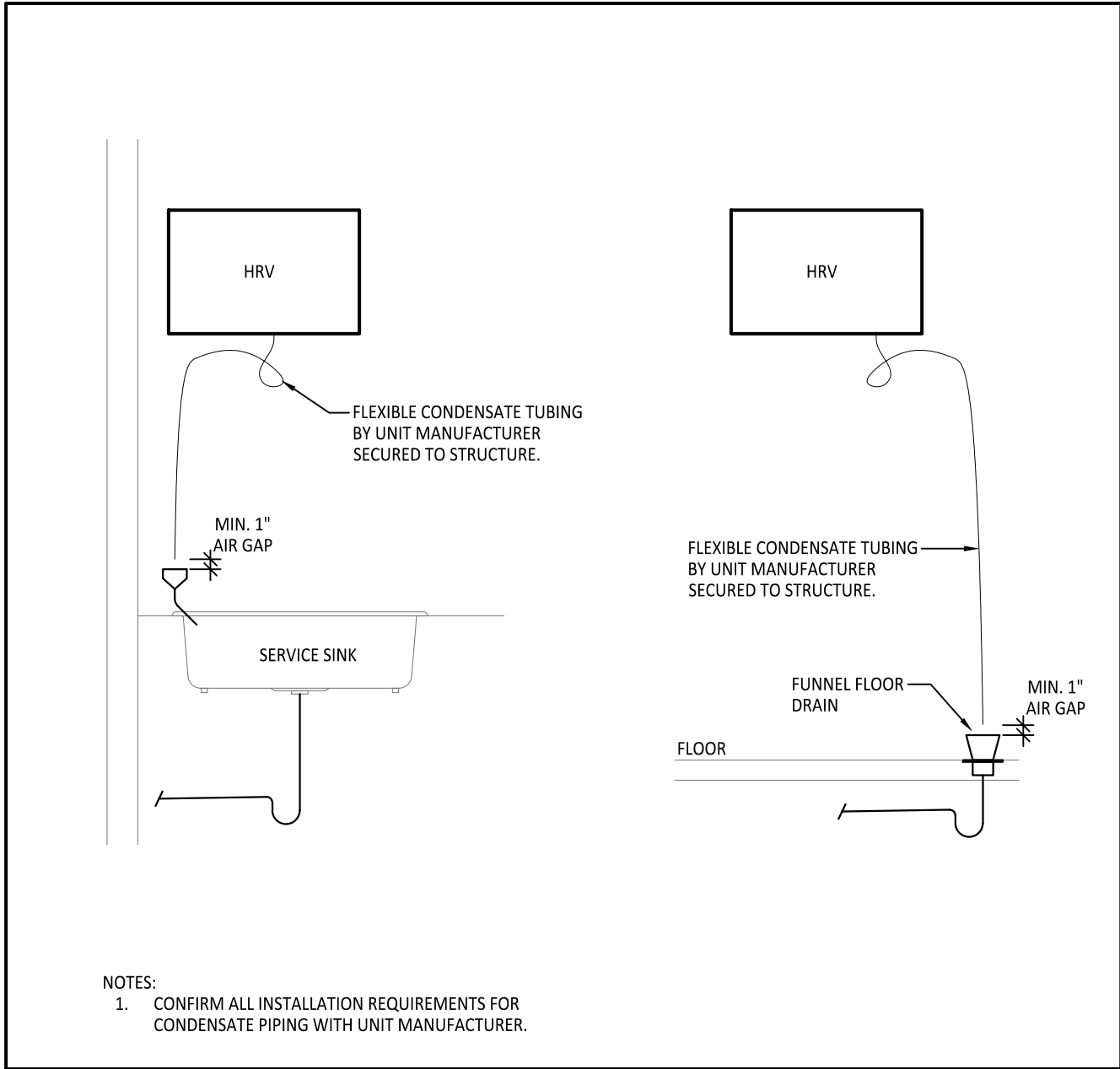
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3

WALL CLEANOUT INSTALLATION DETAIL

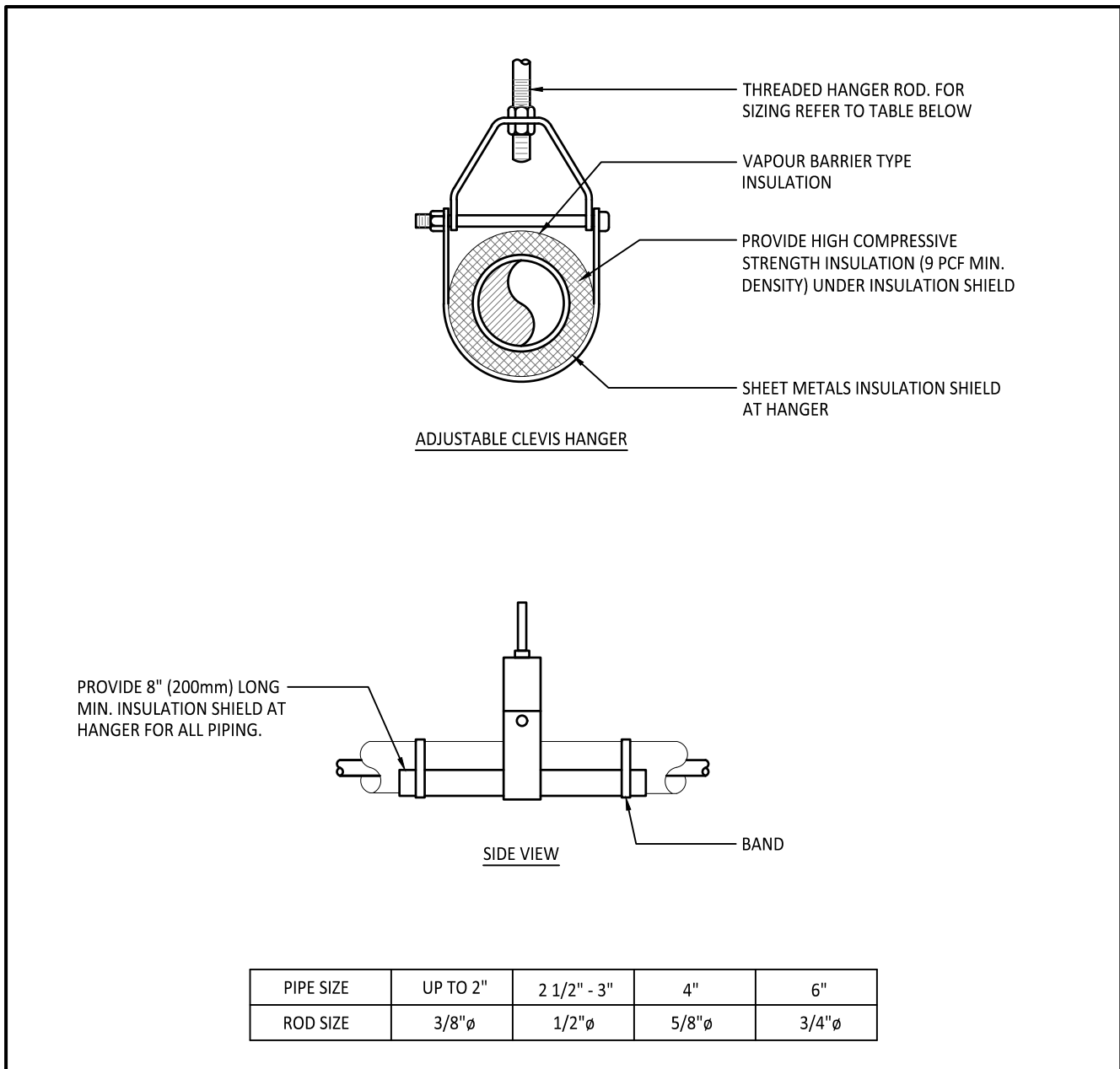
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5

Typical HRV Condensate Piping Installation

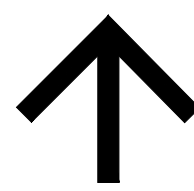
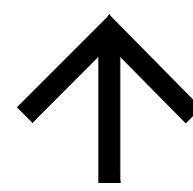
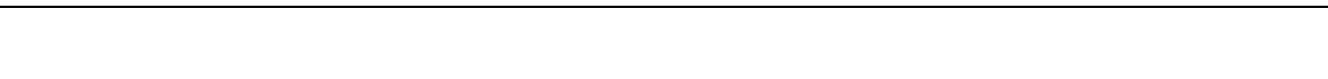
SCALE: N.T.S.



6

TYPICAL PIPE HANGER SUPPORT DETAIL

SCALE: N.T.S.



TRUE NORTH

PROJECT NORTH

- GENERAL NOTES:
- THESE DRAWINGS MUST BE CHECKED BY THE CUSTOMER OR CONTRACTOR. ANY ERRORS OR OMISSIONS MUST BE REPORTED IN WRITING TO SUPPA ENGINEERING PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 - OWNER OR CONTRACTOR MUST CHECK AND VERIFY ALL SITE CONDITIONS BEFORE PROCEEDING WITH THE WORK.
 - ALL DIMENSIONS SHOWN ON THESE DRAWINGS MUST BE CHECKED AGAINST ALL OTHER PROJECT DRAWINGS. ALL DISCREPANCIES MUST BE REPORTED TO THE CONSULTANT BEFORE PROCEEDING WITH THE WORK.
 - FOR CONSTRUCTION PURPOSES, USE ONLY THE LATEST APPROVED DRAWINGS.
 - DO NOT SCALE THE DRAWINGS.

REVISION SCHEDULE

No.	DESCRIPTION	DATE
0	ISSUED FOR REVIEW	JAN. 12, 2024
1	ISSUED FOR TENDER	FEB. 27, 2024
2	ISSUED FOR TENDER	MAR. 08, 2024

Project Status:

ISSUED FOR
TENDER

Seal:

SUPPA
ENGINEERING

Suppa Engineering
592 Cassells Street
North Bay, ON P1B 3Z7
Tel: 705-707-2121
www.suppaengineering.ca

Project:

ESPRIT WOMEN'S
SHELTER
RENOVATIONAddress:
1 BEECHWOOD DRIVE, PARRY SOUND, ONTARIODrawing Title:
MECHANICAL
PLUMBING
FLOOR PLAN AND DETAILS

Project No:

22-033B

Drawn By: ZZ Date: Mar. 8, 24

Checked By: BW Scale: 1/4" = 1' - 0"

Drawing No: Revision:

M102

2

EXHAUST FAN SCHEDULE								
TAG	MANUFACTURER	MODEL	AIRFLOW (CFM)	E.S.P. in W.C.	SONES	MOTOR AND ELECTRICAL INFORMATION	NOTES	ACCESSORIES
EF#1	JENCO FAN	L100L	100	0.25	1.3	120V / 87W	1	A,B,D
EF#2	JENCO FAN	L100L	100	0.25	1.3	120V / 87W	1	A,B,D
EF#3	BROAN	BTX 130SS	200	0.15	7.0	120V / SP / 1.3A	2	B,C
EF#4	NUTONE	6950	70	0.10	4.0	120V / SP / 1.5A	1	A,B,E
EF#5	NUTONE	6950	70	0.10	4.0	120V / SP / 1.5A	1	A,B,E
Notes:								
1. Fan Control Connected to line voltage occupancy sensor by Electrical Contractor.								
2. Contractor to coordinate color with Architect								
Accessories:								
A: Speed controller mounted on fan for balancing purposes								
B: Spring loaded back draft damper, disconnect switch, vibration isolators.								
C: Wall cap equal to Broan Nutone Model 369, colour black								
D: Wall cap equal to Broan Nutone Model 843BL, colour black								
E: Wall cap equal to Broan Nutone Model 885BL, colour black								

DIFFUSER AND GRILLE SCHEDULE							
TAG	MANUFACTURER	DESCRIPTION	MODEL	OVERALL SIZE	NECK SIZE	NOTES	ACCESSORIES
1	NAILOR	ALUMINUM DOUBLE DEFLECTION SUPPLY AIR GRILLE	51DH	8"x4"	TO MATCH DUCT SIZE	1	A,B
2	NAILOR	ALUMINUM FIXED 45° SINGLE DEFLECTION RETURN AIR GRILLE	514SH	8"x6"	TO MATCH DUCT SIZE	1	A,B
Notes:							
1. Coordinate connection to duct trunks on site. Confirm and coordinate all requirements.							
Accessories:							
A: Opposed blade damper							
B: Transition collar							

HEAT/ENERGY RECOVERY VENTILATOR SCHEDULE									
TAG	MANUFACTURER	MODEL	E.S.P. in W.C.	SUPPLY AIRFLOW (CFM)	RETURN AIRFLOW (CFM)	MOTOR /POWER REQUIREMENTS	PERFORMANCE @ 13°F	NOTES	ACCESSORIES
ERV#1	LIFEBREATH	METRO 120 ERVD	0.5	115	115	49W 120V SP	49%	1,2	A,B,C,D
ERV#2	LIFEBREATH	130 ERVD	0.6	125	125	80W 120V SP	65%	1,2	A,B,C,D
HRV#1	LIFEBREATH	METRO 120D	0.5	120	120	66W 120V SP	68%	1,2	A,B,C,D
Notes:									
1. Extend 1" condensate drain line to funnel drain c/w 1" air gap									
2. Fresh air and exhaust air ductwork to be insulated to unit.									
Accessories:									
A: Back draft damper on exhaust port									
B: Disconnect switch									
C: Provide programmable wall control with default High Speed option to be only modes available.									
D: Provide 1.5kW electric reheat coil complete with discharge air temperature sensor, fan relay, SCR controller, thermal cur out switch, airflow sensor.									

DUCTLESS SPLIT AIR CONDITIONING / HEAT PUMP SCHEDULE																		
TAG	MANUFACTURER	MODEL	AIRFLOW CFM	COOLING CAPACITY RANGE Btu/hr	HEATING CAPACITY RANGE Btu/hr	MOTOR /POWER REQUIREMENTS (V/WATTS/Ph)	NOTES	ACCESSORIES	CU/HP TAG	MODEL	COOLING LOAD Btu/hr	HEATING LOAD Btu/hr	SEER	EER	MOTOR /POWER REQUIREMENTS (V/WATTS/Ph)	UNIT WEIGHT	NOTES	ACCESSORIES
HP#1.1	LG	LSN120HSV5	317	12,000	13,600	208V / 60Hz / SP 7.8A	1,2,4	B,E	CU#1	LSU120HSV5	12,000	13,600	22.0	12.5	208V / 60Hz / SP MCA 10A MOP 15A	79 LBS	4	A,G
EX. HP#2.1	LG	LSN120HSV5	212	12000	13600	208V / 60Hz / SP 0.4A	3,4	C	EX. CU#2	LMU30CHV	30000	32000			208V / 60Hz / SP 13.93A MCA 16.6A MOP 25A	137 LBS		
EX. HP#2.2	LG	LSN090HSV4	212	9000	10400	208V / 60Hz / SP 0.4A	3,4	C										
EX. HP#2.3	LG	LSN090HSV4	212	9000	10400	208V / 60Hz / SP 0.4A	3,4	B										
EX. HP#3.1	LG	LSN090HSV4	212	9000	10400	208V / 60Hz / SP 0.4A	3,4	B	EX. CU#3	LSU120HSV5	13785	22178	22.7	12.5	208V / 60Hz / SP 7.4A MCA 10A MOP 15A	74.1 LBS		
HP#4.1	LG	ARNU053SJA4	230	5,490	6,260	208V / 60Hz / SP 0.25A	1,2,4	B,E,F	CU#4	ARUN024GSS4	24,000	27,000	17.00	10.70	208V / 60Hz / SP MOP 30.0A MCA 19.6A	159 LBS	4	A,D,G
HP#4.2	LG	ARNU053SJA4	230	5,490	6,260	208V / 60Hz / SP 0.25A	1,2,4	B,E,F										
HP#4.3	LG	ARNU053SJA4	230	5,490	6,260	208V / 60Hz / SP 0.25A	1,2,4	B,E,F										
HP#4.4	LG	ARNU053SJA4	230	5,490	6,260	208V / 60Hz / SP 0.25A	1,2,4	B,E,F										
HP#4.5	LG	ARNU053SJA4	230	5,490	6,260	208V / 60Hz / SP 0.25A	1,2,4	B,E,F										
HP#4.6	LG	ARNU053SJA4	230	5,490	6,260	208V / 60Hz / SP 0.25A	1,2,4	B,E,F										
Notes:																		
1. Provide backing/structural support for unit as per manufactures installation instructions.																		
2. Extend 1" rigid CPVC condensate line through exterior wall. Conceal piping in line set, confirm colour with architect.																		
3. Contractor shall confirm temperature shutdown as required to suit renovation and clean filter prior to start up.																		
4. Contractor shall install as per manufacturer's installation requirements and refrigeration lines to be sized by unit manufacturer.																		
Accessories:																		
A: Weather proof disconnect switch																		
B: Provide programmable wall control PREMTB100 and all required control wiring, confirm and coordinate interlock with auxiliary baseboard heat. Provide all associated relays, transformers, etc. required. Baseboard heating to be enabled only when heat pump not able to provide heat.																		
C: Provide programmable wall control LG PZCWRG3 and all required control wiring, confirm and coordinate interlock with auxiliary baseboard heat. Provide all associated relays, transformers, etc. required. Baseboard heating to be enabled only when heat pump not able to provide heat.																		
D: Manufacturer supplied refrigeration piping Y branches																		
E: Disconnect switch																		
F: Condensate pump																		
G: Exterior wall mounted brackets																		

VENTILATION GENERAL NOTES:

- ALL MECHANICAL EQUIPMENT AND INSTALLATIONS SHALL CONFORM TO THE REQUIREMENTS OF THE ONTARIO BUILDING CODE, AND ALL APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION.
- ALL EQUIPMENT TO BEAR THE CSA AND ULC LABELS.
- REMOVE AND LEGALLY DISPOSE OF ALL UNUSED EQUIPMENT, DUCTWORK, PIPING, VALVES, DIFFUSERS/GRILLES, HANGERS/SUPPORTS, CONTROL WIRING ETC. UNLESS OTHERWISE NOTED. ALL OPENINGS CREATED BY THE REMOVAL PROCESS TO BE PROPERLY SEALED AND MATCH ALL EXISTING RATINGS.
- PRIOR TO PURCHASING ANY MATERIALS OR STARTING ANY WORK, CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS. VERIFY ALL LOCATIONS, ROUTING, PENETRATIONS AND SIZES FOR DUCT, PIPE, EQUIPMENT ETC. SHOWN ON THE DRAWINGS OR AFFECTING THIS WORK AND SHALL REPORT ANY DEVIATIONS TO THE CONSULTANT
- CONTRACTOR SHALL COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH ELECTRICAL DRAWINGS PRIOR TO ORDERING EQUIPMENT OR SUBMITTING SHOP DRAWINGS AND SHALL FURNISH EQUIPMENT WIRED FOR THE VOLTAGES SHOWN THEREIN.
- ALL MECHANICAL EQUIPMENT REQUIRING ELECTRICAL POWER SHALL BE INSTALLED WITH A METHOD OF DISCONNECTION AT EACH PIECE OF EQUIPMENT. COORDINATE SWITCH TYPE (FUSED OR NON-FUSED) WITH EQUIPMENT CHARACTERISTICS, MANUFACTURER'S RECOMMENDATIONS AND ELECTRICAL DRAWINGS. DISCONNECT SWITCH TO BE SUPPLIED BY MECHANICAL DIVISION, INSTALLED AND WIRED BY ELECTRICAL DIVISION.
- ALL REQUIRED CONTROL WIRING NOT SHOWN ON THE ELECTRICAL DRAWINGS SHALL BE INCLUDED AS PART OF THE MECHANICAL WORK. ALL CONTROL WIRING TO BE FT6 PLENUM RATED WHERE RUNNING IN RETURN AIR PLENUMS.
- UNLESS OTHERWISE NOTED, STARTERS, SMOKE DETECTORS, TRANSFORMERS, CONTROLS AND CONTROL WIRING REQUIRED FOR ALL MECHANICAL SYSTEMS SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR.
- CONNECTIONS TO EQUIPMENT SHALL BE VERIFIED WITH MANUFACTURER'S CERTIFIED DRAWINGS, TRANSITIONS TO ALL EQUIPMENT SHALL BE VERIFIED AND PROVIDED FOR EQUIPMENT FURNISHED.
- DUCT CONSTRUCTION INCLUDING GAUGES, THICKNESS, BRACING, REQUIREMENTS, ETC., SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE SMACNA HVAC DUCT CONSTRUCTION STANDARD AND ASHRAE GUIDELINES.
- UNLESS OTHERWISE NOTED PROVIDE AIR TURNING VANES IN ALL 90 DEGREE RECTANGULAR DUCT.
- DUCT SIZES AND ALL OPENINGS THROUGH BUILDING CONSTRUCTION SHALL SUIT EQUIPMENT FURNISHED. PROVIDE UNTELS AS REQUIRED AND CARRY ALL COSTS.
- COORDINATE ALL DIFFUSER, GRILLE AND REGISTER LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS AND EQUIPMENT OF ALL TRADES.
- LOCATE HRV CONTROLS, THERMOSTATS, TEMPERATURE SENSORS, HUMIDISTATS AND HUMIDITY SENSORS AT 47" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED. COORDINATE LOCATIONS WITH OTHER EQUIPMENT, FURNITURE, AND DOOR SWINGS.
- ALL EQUIPMENT, DUCTWORK, ETC. SHALL BE SUPPORTED AS DETAILED, AS SPECIFIED AND AS PER SMACNA GUIDELINES. PROVIDE ADDITIONAL SUPPORTS AS REQUIRED TO PROVIDE A VIBRATION FREE INSTALLATION.
- REFER TO TYPICAL DETAILS FOR PIPING AND INSTALLATION OF EQUIPMENT.
- PROVIDE 1" CONDENSATE DRAINS FROM ALL AIR CONDITIONING EQUIPMENT, HRV, AHU'S, HUMIDIFIERS, COOLING COILS ETC. TO NEAREST LOCAL DRAIN, GRADE PIPING IN DIRECTION OF DRAIN. PROVIDE CONDENSATE PUMPS WHERE GRADE OR OBSTRUCTIONS PREVENT SUFFICIENT PIPE GRADING. PIPING TO BE IPEX SYSTEM XPR PVC PIPING.
- ACCESS PANELS IN DUCTWORK AND CEILING SHALL BE PROVIDED WHERE REQUIRED FOR OPERATIONS, BALANCING OR MAINTENANCE OF MECHANICAL EQUIPMENT. NOTE THAT WHERE REMOVABLE CEILING PANELS EXISTS, ACCESS DOORS/PANELS ARE NOT REQUIRED.
- ALL DUCTWORK AND PIPING IS SHOWN SCHEMATICALLY. PROVIDE ALL TRANSITIONS, TURNING VANES, ELBOWS, FITTINGS ETC. TO ALLOW SMOOTH FLOWS.
- PROVIDE CONCRETE HOUSEKEEPING PAD UNDER ALL FLOOR- MOUNTED EQUIPMENT, REFER TO SPECIFICATIONS AND DETAILED DRAWINGS REQUIREMENTS
- VERIFY ALL FINISHES AND COLOURS WITH ARCHITECT PRIOR TO PURCHASING ANY/ALL DIFFUSERS, GRILLES, REGISTERS, LOUVERS AND DISTRIBUTION DEVICES.
- PROVIDE FLEXIBLE DUCT CONNECTIONS ON ALL DUCTWORK CONNECTION TO EACH FAN, HRV, AIR HANDLING UNITS, AND FAN COIL UNITS AND ANY OTHER EQUIPMENT CAPABLE OF TRANSFERRING VIBRATIONS CONNECTED WITH DUCTWORK.
- INTERRUPTIONS TO EXISTING SERVICES SHALL BE SCHEDULED FOR TIMES OTHER THAN NORMAL OPERATING HOURS (SUCH AS NIGHTS AND WEEKENDS). SUCH INTERRUPTIONS TO SERVICES SHALL NOT BE MADE WITHOUT THE PRIOR WRITTEN CONSENT OF THE OWNER'S REPRESENTATIVE AND PROPER COORDINATION WITH OTHER TRADES, PRE-WORK SHALL BE PERFORMED TO MAKE THE SHUTDOWN PERIOD AS BRIEF AS POSSIBLE
- FIRE STOP ALL PENETRATIONS THROUGH RATED ASSEMBLIES WITH FIRE STOP SYSTEM MATCHING WALL/FLOOR ASSEMBLY'S FIRE RATING. CONFIRM WITH ARCHITECTURAL DRAWINGS FOR EXACT RATINGS AND LOCATIONS.
- LOCATE ALL OUTSIDE AIR INTAKES A MINIMUM OF 10'-0" FROM ANY/ALL PLUMBING VENTS AND EXHAUSTS AIR DISCHARGE LOCATIONS. LOWEST POINT OF EACH OUTSIDE AIR INTAKE GOOSENECK ON ROOF SHALL BE A MINIMUM OF 36" ABOVE ROOF.
- UNLESS OTHERWISE NOTED, ALL EQUIPMENT AND VALVE DRAINS SHALL BE INDEPENDENTLY PIPED AT FULL SIZE TO THE NEAREST PLUMBING DRAIN CONFIRM AND COORDINATE EXACT ROUTING AND LOCATIONS ON SITE.
- SLEEVE AND SEAL ALL PIPING PENETRATIONS THROUGH BUILDING PARTITIONS. PROVIDE MANUAL AIR VENTS AT ALL HIGH POINTS IN CHILLED AND HOT WATER PIPING.
- MAXIMUM ALLOWABLE LENGTH OF ALL FLEX DUCT TO BE 10', RIGID DUCT TO BE AS CLOSE TO AIR TERMINAL DEVICE AS POSSIBLE PRIOR TO RUNNING FLEX DUCT.
- SEAL ANY UNUSED PORTIONS OF INTAKE/EXHAUST LOUVERS, WALL CAPS, ETC. WITH 2 LAYERS OF 2" RIGID INSULATION C/W PRIMED AND PAINTED SHEET METAL COVER. SEAL TO MAKE WEATHER TIGHT.
- INSULATE ALL AIR INTAKE DUCTWORK TO EQUIPMENT AND ALL EXHAUST DUCTWORKS A MINIMUM OF 10" FROM EXHAUST LOUVER.
- PROVIDE BALANCING DAMPERS FOR ALL NEW DUCTWORK THAT HAS BRANCH CONNECTIONS, ENSURE ADEQUATE ACCESS AVAILABLE IF NOT THEN ACCESS TO BE PROVIDED AS PART OF THE SCOPE OF WORK. PROVIDE VOLUME DAMPERS FOR ALL SUPPLY AIR DIFFUSERS, GRILLES OR REGISTERS AS DETAILED IN THE ASSOCIATED SCHEDULES.
- PROVIDE VIBRATION ISOLATION FOR ALL SUSPENDED EQUIPMENT.

VENTILATION DRAWING NOTES:

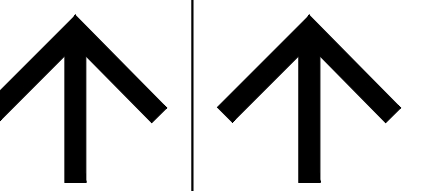
- CONTRACTOR SHALL CONFIRM AND COORDINATE REPLACEMENT OF HEAT PUMP CONTROLLER WITH NEW AS PER SCHEDULE. ALL WIRING, CONDUIT, RELAYS, ETC. REQUIRED TO FACILITATE REPLACEMENT TO BE PROVIDED. CONFIRM AND COORDINATE WITH ASSOCIATED TRADES AS REQUIRED.
- CONFIRM AND COORDINATE EXISTING EF REMOVALS INCLUDING ALL WIRING, SWITCHES, DUCTWORK AND ASSOCIATE WALL CAP, PATCH AND PAIN ANY OPENINGS CREATED BY WORK. ALL REQUIREMENTS TO BE VERIFIED ON SITE.

VENTILATION LEGEND

	RS	REFRIGERANT SUCTION
	RL	REFRIGERANT LIQUID
	G	NATURAL GAS PIPING
	PG	PROPANE GAS PIPING
	12"x12"	DUCT WITH DIMENSIONS, FIRST DIMENSION IS SIDE SHOWN
	12"x12"	EXISTING DUCT TO REMAIN
	R	EXISTING DUCT TO BE REMOVED
		DUCT C/W INSULATION
		DUCT C/W ACOUSTIC INSULATION
	UP	DUCT WITH CHANGE OF ELEVATION
		DUCT TRANSITION, CONCENTRIC
		DUCT TRANSITION, ECCENTRIC
		DUCT TRANSITION, SQUARE TO ROUND
		DUCT C/W TURNING VANES
	90° 45°	RADIUS ELBOW - LONG SWEEP
	90° 45°	RADIUS ELBOW - SHORT SWEEP
		POSITIVE PRESSURE DUCT
		NEGATIVE PRESSURE DUCT
		DUCT SECTION UP
		DUCT SECTION DOWN
	BDL	BRANCH TAKE-OFF - C/W BALANCING DAMPER
	BDL	BRANCH TAKE-OFF - SQUARE TO ROUND
		FLEX DUCT
		FLEXIBLE DUCT CONNECTION
		SUPPLY AIR DIFFUSER
		RETURN AIR GRILLE
		WALL REGISTER - SUPPLY
		WALL REGISTER - RETURN
	DF	DIFFUSER WITH FIRE FLAP AND FIRE BLANKET
	BD	MANUAL BALANCING DAMPER
	MD	MOTORIZED DAMPER
	FD	FIRE DAMPER C/W ACCESS DOOR
	SD	SMOKE DAMPER C/W ACCESS DOOR
	BDD	BACK DRAFT DAMPER
	SA	SOUND ATTENUATOR
		IN DUCT HEATING COIL
		DOOR GRILLE
	A/D	ACCESS DOOR
	A B	DIFFUSER / GRILLE TYPE AND AIRFLOW A = TYPE (EX = EXISTING), B = AIR FLOW
		GAS METER
		THERMOSTAT
		HUMIDISTAT
	T/\$	TIMER
	HRV	HRV CONTROLLER
	PB	PUSH BUTTON AS NOTED
	CO2	CO2 SENSOR
	P	PRESSURE SENSOR



- V1** CONTRACTOR SHALL CONFIRM AND COORDINATE REPLACEMENT OF HEAT PUMP CONTROLLER WITH NEW AS PER SCHEDULE. ALL WIRING, CONDUIT, RELAYS, ETC. REQUIRED TO FACILITATE REPLACEMENT TO BE PROVIDED. CONFIRM AND COORDINATE WITH ASSOCIATED TRADES AS REQUIRED.
- V2** CONFIRM AND COORDINATE EXISTING EF REMOVALS INCLUDING ALL WIRING, SWITCHES, DUCTWORK AND ASSOCIATE WALL CAP. PATCH AND PAINT ANY OPENINGS CREATED BY WORK. ALL REQUIREMENTS TO BE VERIFIED ON SITE.



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PROJECT NORTH

- ERAL NOTES:
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DO NOT SCALE THE DRAWINGS.

REVISION SCHEDULE

DESCRIPTION	DATE
ISSUED FOR REVIEW	JAN. 12, 2024
ISSUED FOR TENDER	FEB. 27, 2024
ISSUED FOR TENDER	MAR. 08, 2024

ject Status:

ISSUED FOR
TENDER

1:



SUPPA
ENGINEERING

Suppa Engineering
592 Cassells Street
North Bay, ON P1B 3Z7
Tel: 705-707-2121
www.suppaengineering.ca

ject:

ESPRIT WOMEN'S SHELTER RENOVATION

dress:

Address:
TECHWOOD DRIVE, PARRY SOUND, ONTARIO

wing Tit

MECHANICAL VENTILATION

Subject No:

2-033B

wn By: ZZ

Date: Mar. 8, 24

Checked By: BW

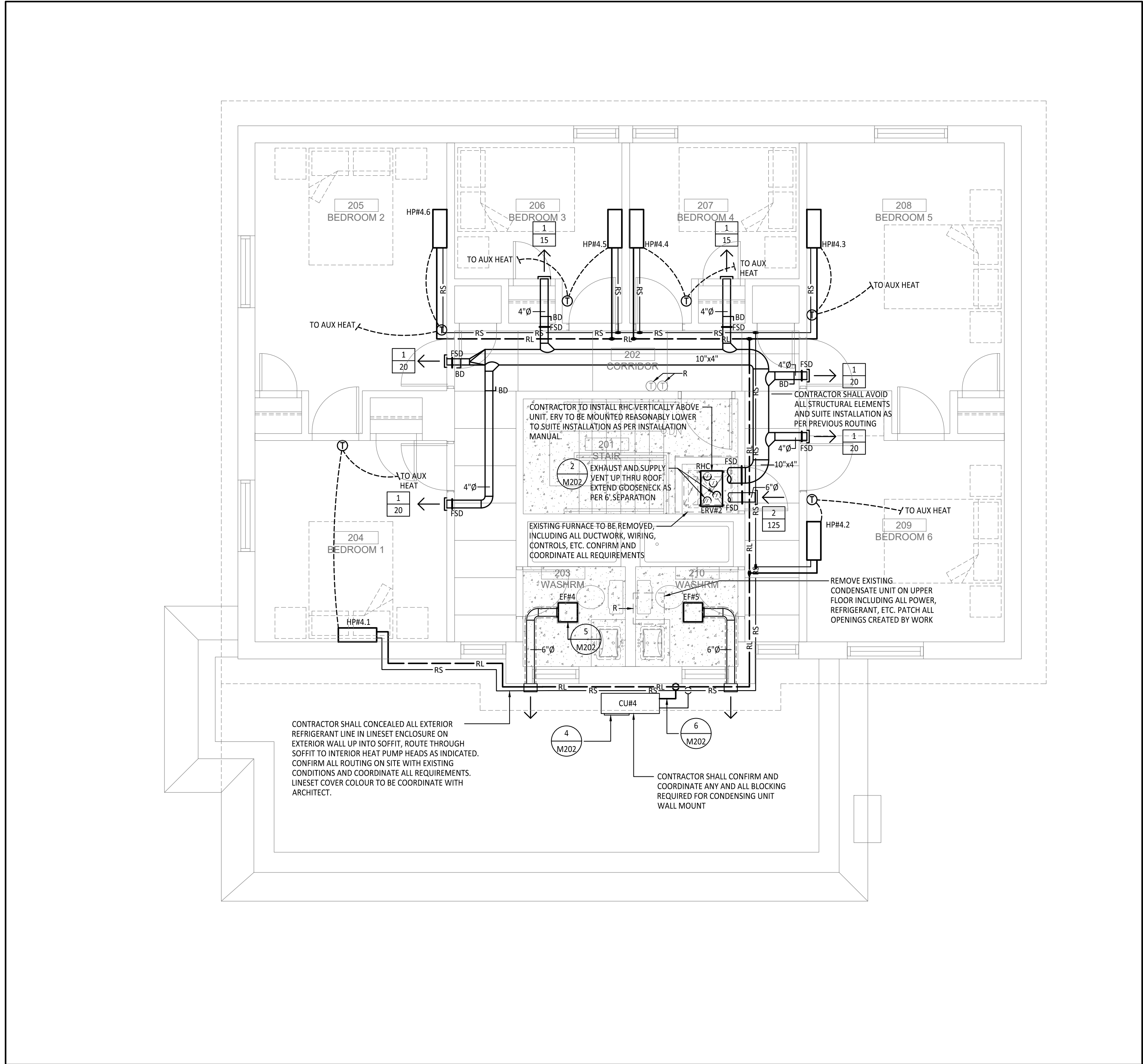
Scale: $1/4" = 1' - 0"$

wing No:

vision;

M201

2



1

UPPER LEVEL - FLOOR PLAN - PROPOSED VENTILATION

SCALE: 1/4" = 1' - 0"

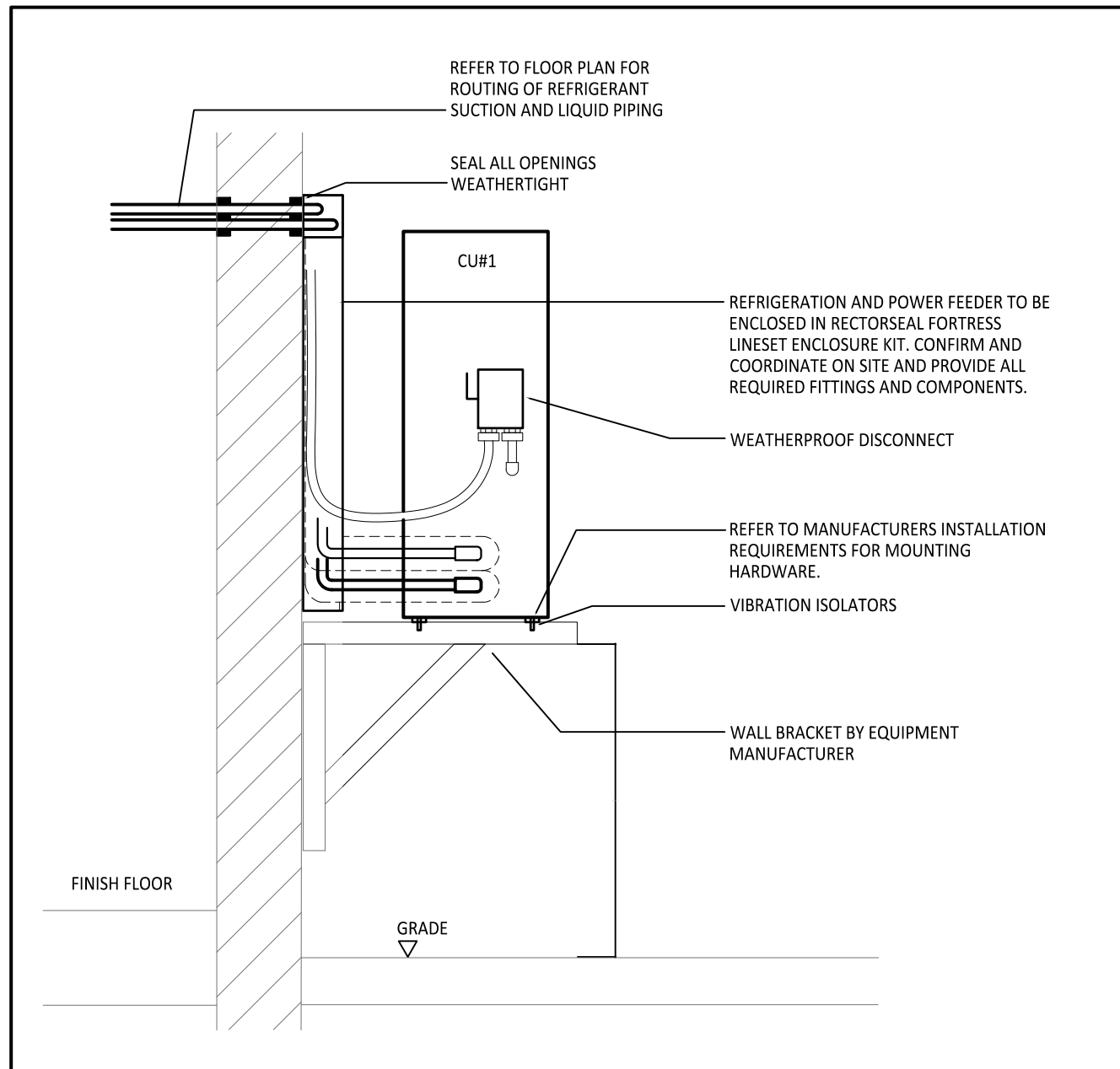
VENTILATION DRAWING NOTES:

- ✓ CONTRACTOR SHALL CONFIRM AND COORDINATE REPLACEMENT OF HEAT PUMP CONTROLLER WITH NEW AS PER SCHEDULE. ALL WIRING, CONDUIT, RELAYS, ETC. REQUIRED TO FACILITATE REPLACEMENT TO BE PROVIDED. CONFIRM AND COORDINATE WITH ASSOCIATED TRADES AS REQUIRED.
- ✓ CONFIRM AND COORDINATE EXISTING EF REMOVALS INCLUDING ALL WIRING, SWITCHES, DUCTWORK AND ASSOCIATE WALL CAP, PATCH AND PAINT ANY OPENINGS CREATED BY WORK. ALL REQUIREMENTS TO BE VERIFIED ON SITE.

2

GOOSENECK INSTALLATION DETAIL

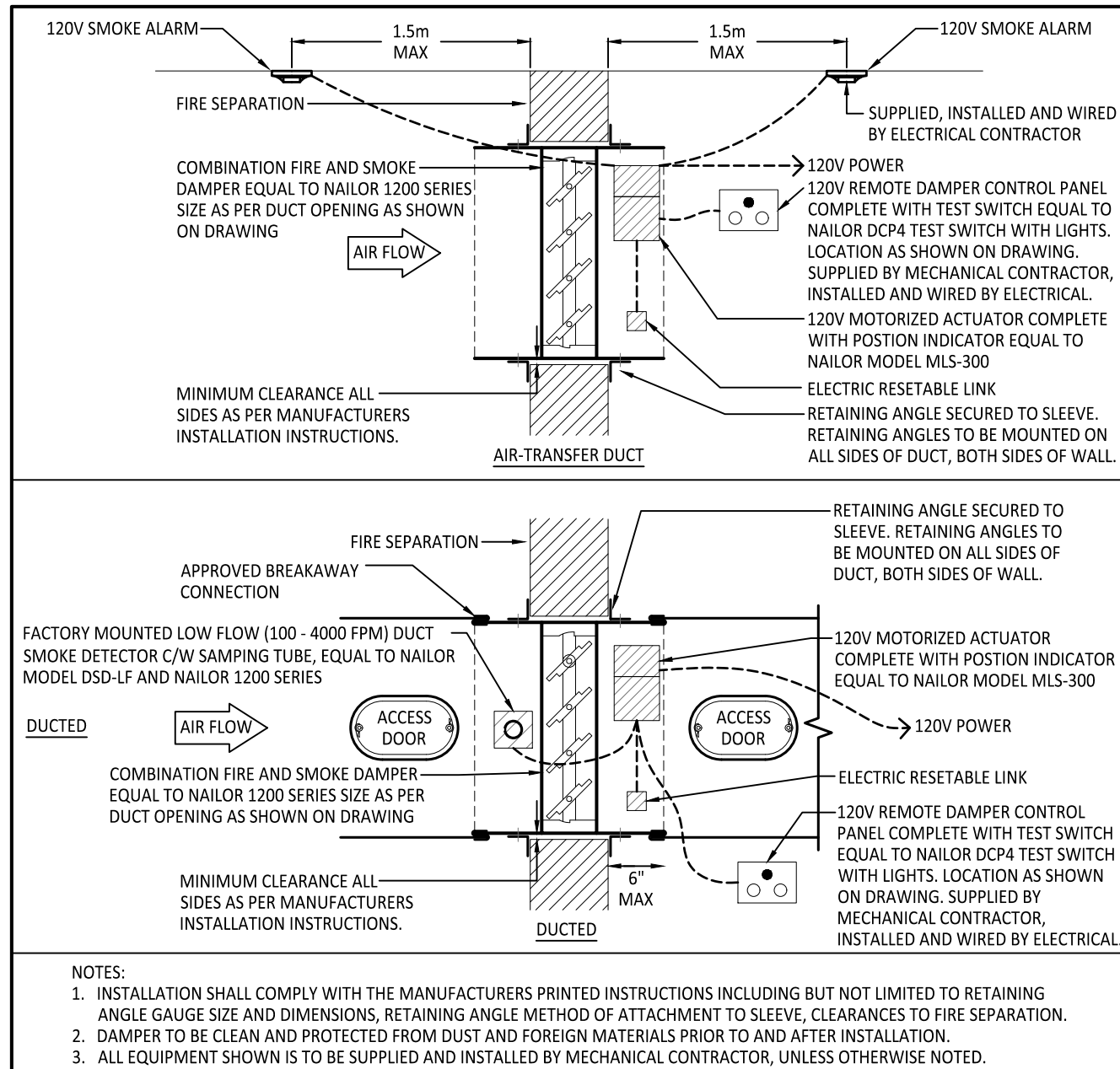
SCALE: N.T.S.



4

WALL MOUNTED CONDENSING UNIT EQUIPMENT SUPPORT DETAIL

SCALE: N.T.S.



6

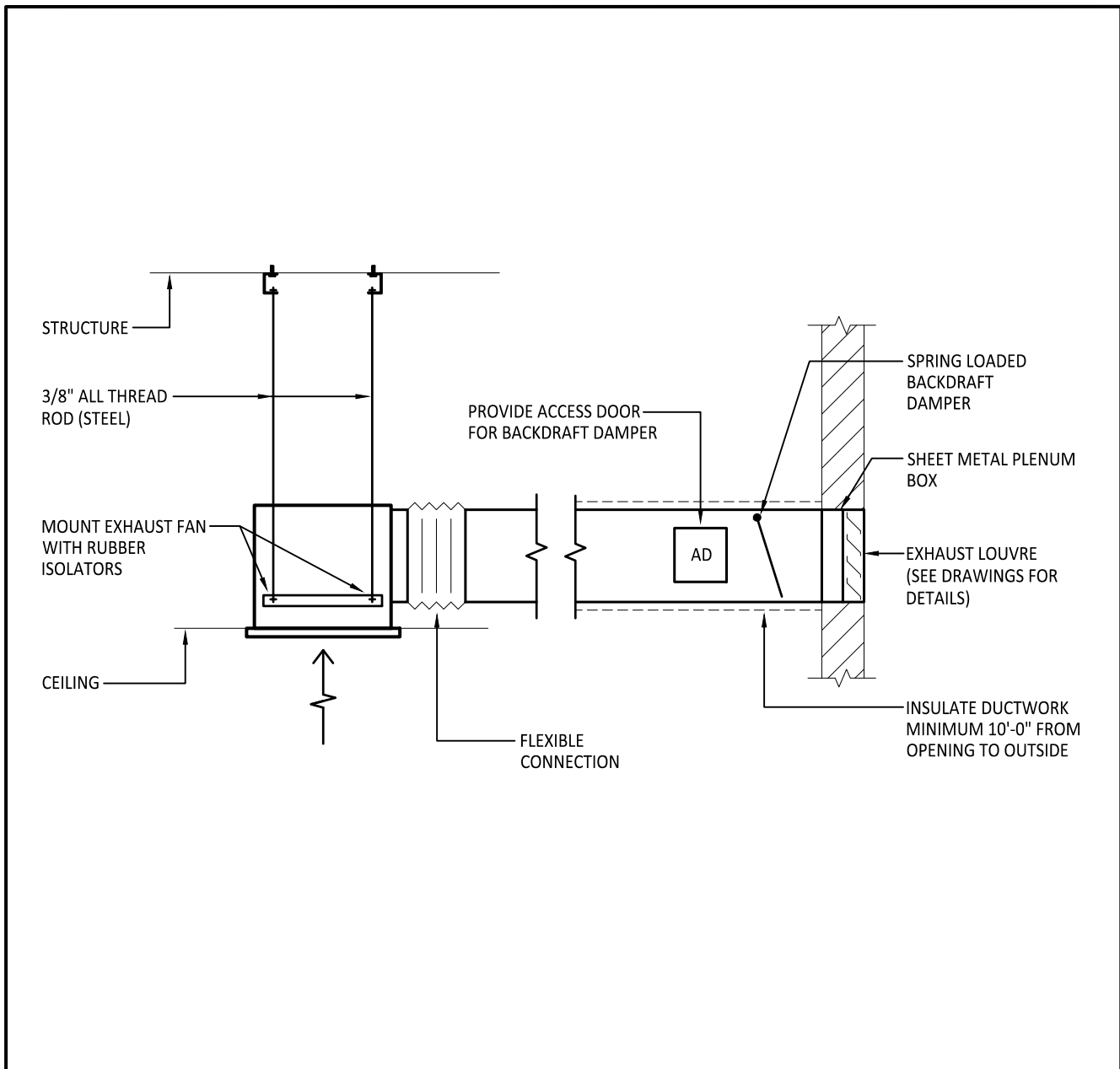
COMBINATION FIRE AND SMOKE DAMPER - INSTALLATION DETAIL

SCALE: N.T.S.

3

DUCT TAKE-OFF INSTALLATION DETAIL

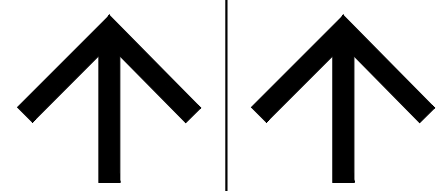
SCALE: N.T.S.



5

TYPICAL CABINET EXHAUST FAN INSTALLATION DETAIL

SCALE: N.T.S.



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0	ISSUED FOR REVIEW	JAN. 12, 2024
1	ISSUED FOR TENDER	FEB. 27, 2024
2	ISSUED FOR TENDER	MAR. 08, 2024

Project Status:
ISSUED FOR TENDER

Seal:

**SUPPA**
ENGINEERING

Suppa Engineering
592 Cassells Street
North Bay, ON P1B 3Z7
Tel: 705-707-2121
www.suppaengineering.ca

Project:
ESPRIT WOMEN'S SHELTER RENOVATION

Address:
1 BEECHWOOD DRIVE, PARRY SOUND, ONTARIO

Drawing Title:
MECHANICAL VENTILATION FLOOR PLAN, NOTES AND DETAILS

Project No:

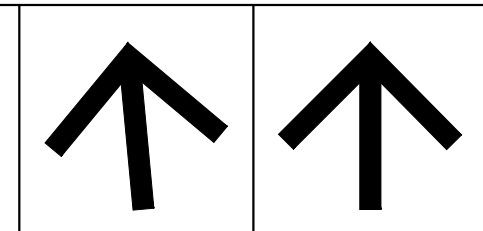
22-033B

Drawn By: zz Date: Mar. 8, 24

Checked By: BW Scale: 1/4" = 1' - 0"

Drawing No: M202 Revision:

2



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GENERAL NOTES:
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4. FOR CONSTRUCTION PURPOSES, USE ONLY THE LATEST APPROVED DRAWINGS.
5. DO NOT SCALE THE DRAWINGS.

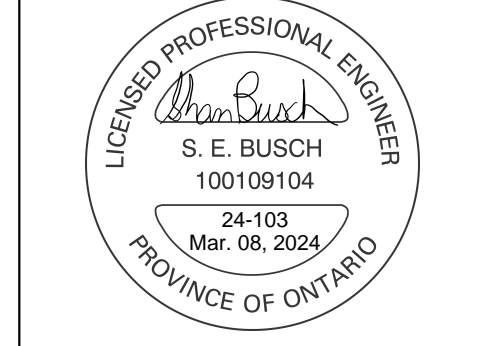
REVISION SCHEDULE

No.	DESCRIPTION	DATE
0	ISSUED FOR TENDER	MAR. 08, 2024

Project Status:

ISSUED FOR TENDER

Seal:



Suppa Engineering
592 Cassells Street
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Tel: 705-707-2121
www.suppaengineering.ca

Project:
ESPRIT WOMEN'S SHELTER RENOVATION

Address:
1 BEECHWOOD DRIVE, PARRY SOUND, ONTARIO

Drawing Title:
ELECTRICAL SITE PLAN

Project No:

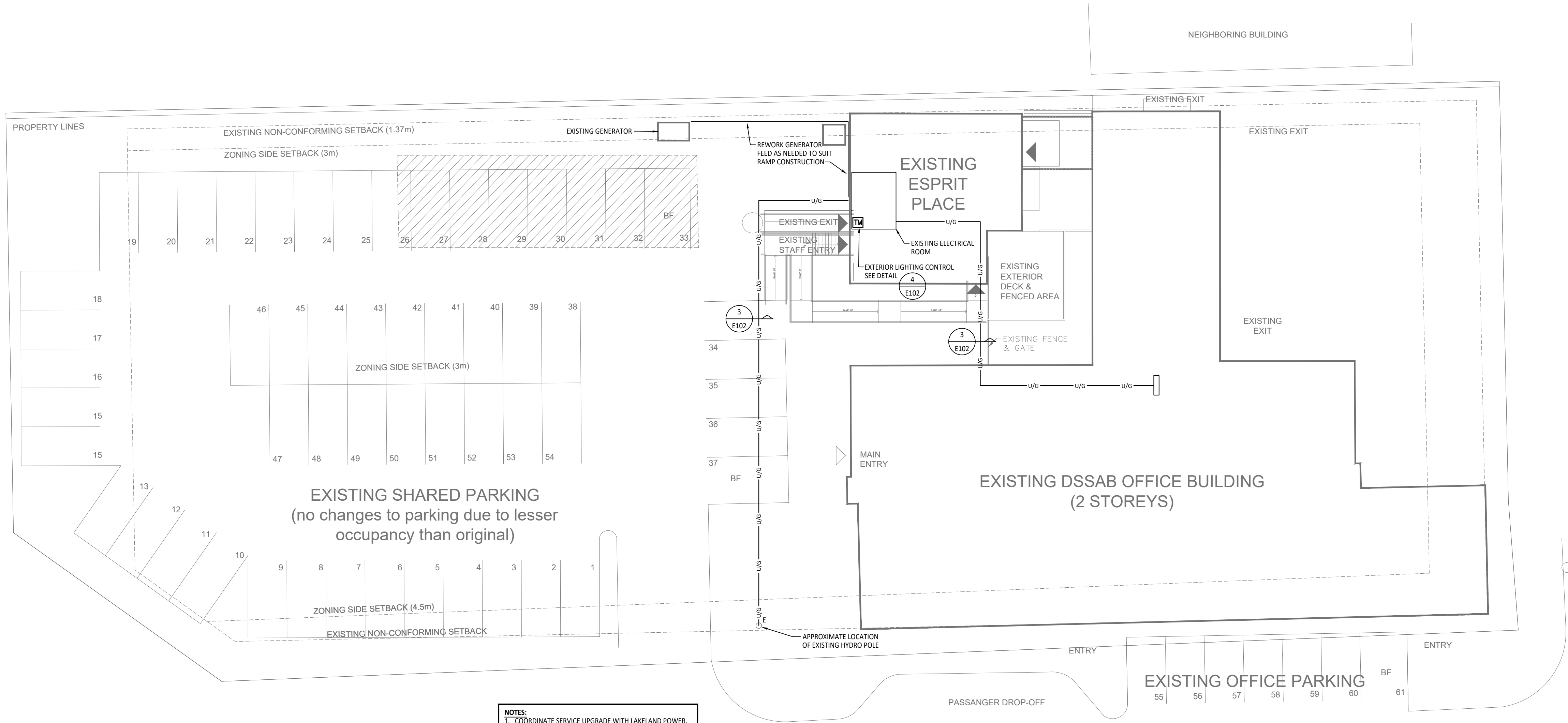
22-033B

Drawn By: BR Date: Mar. 7, 24

Checked By: SB Scale: N.T.S.

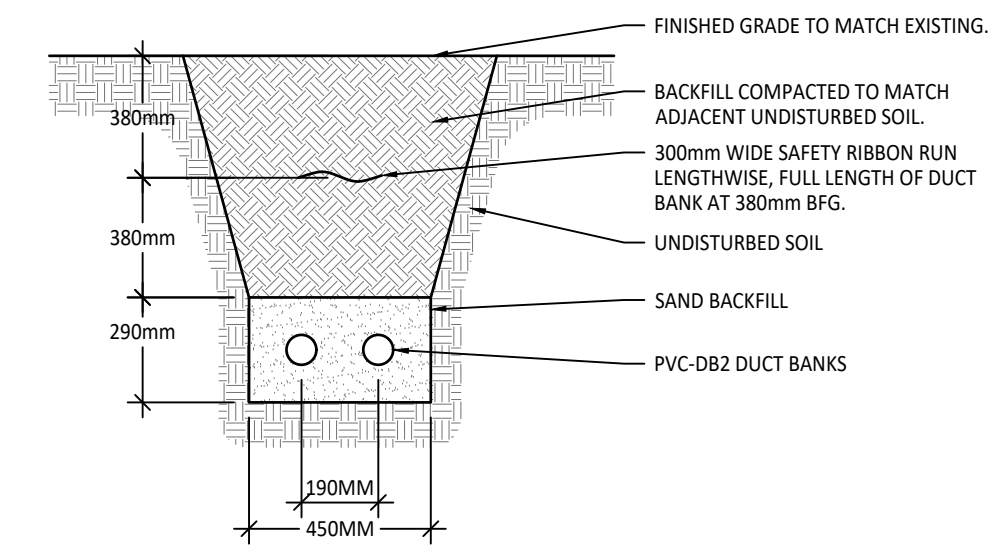
Drawing No: Revision:

E102 0



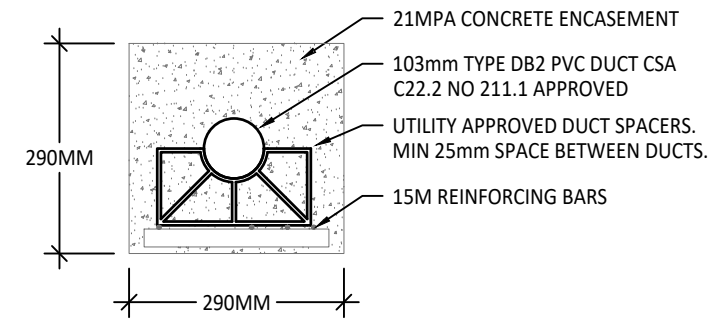
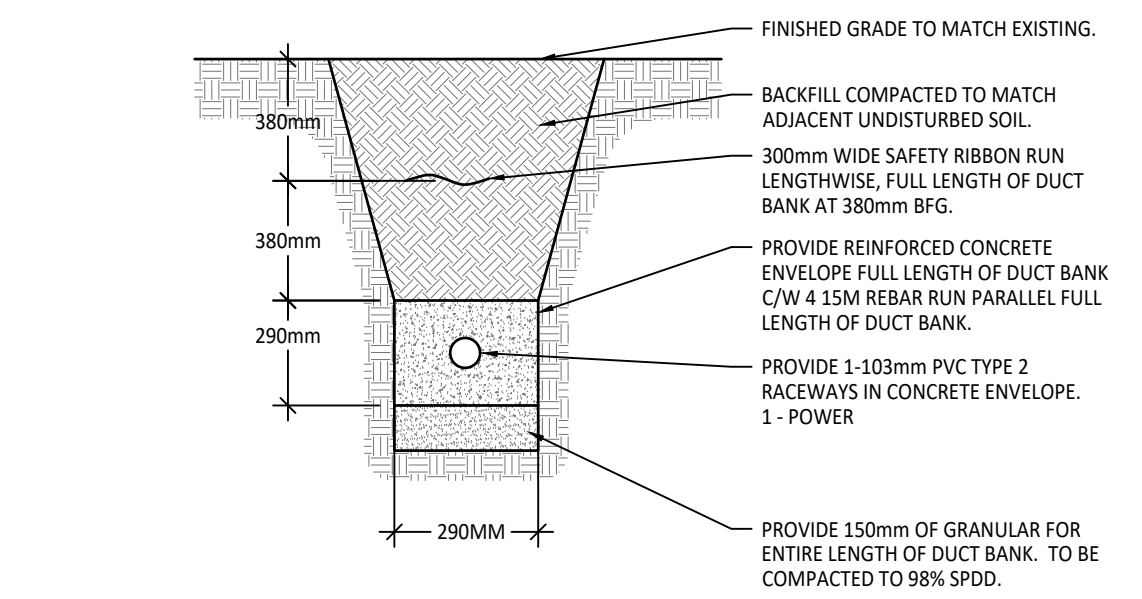
NOTES:
1. COORDINATE SERVICE UPGRADE WITH LAKELAND POWER. CARRY ALL COSTS ASSOCIATED WITH SERVICE UPGRADE.
2. CAREFULLY COORDINATE UNDERGROUND HYDRO SERVICE WITH SANITARY EASEMENT

1 ELECTRICAL SITE PLAN
SCALE: 1/16" = 1'0"



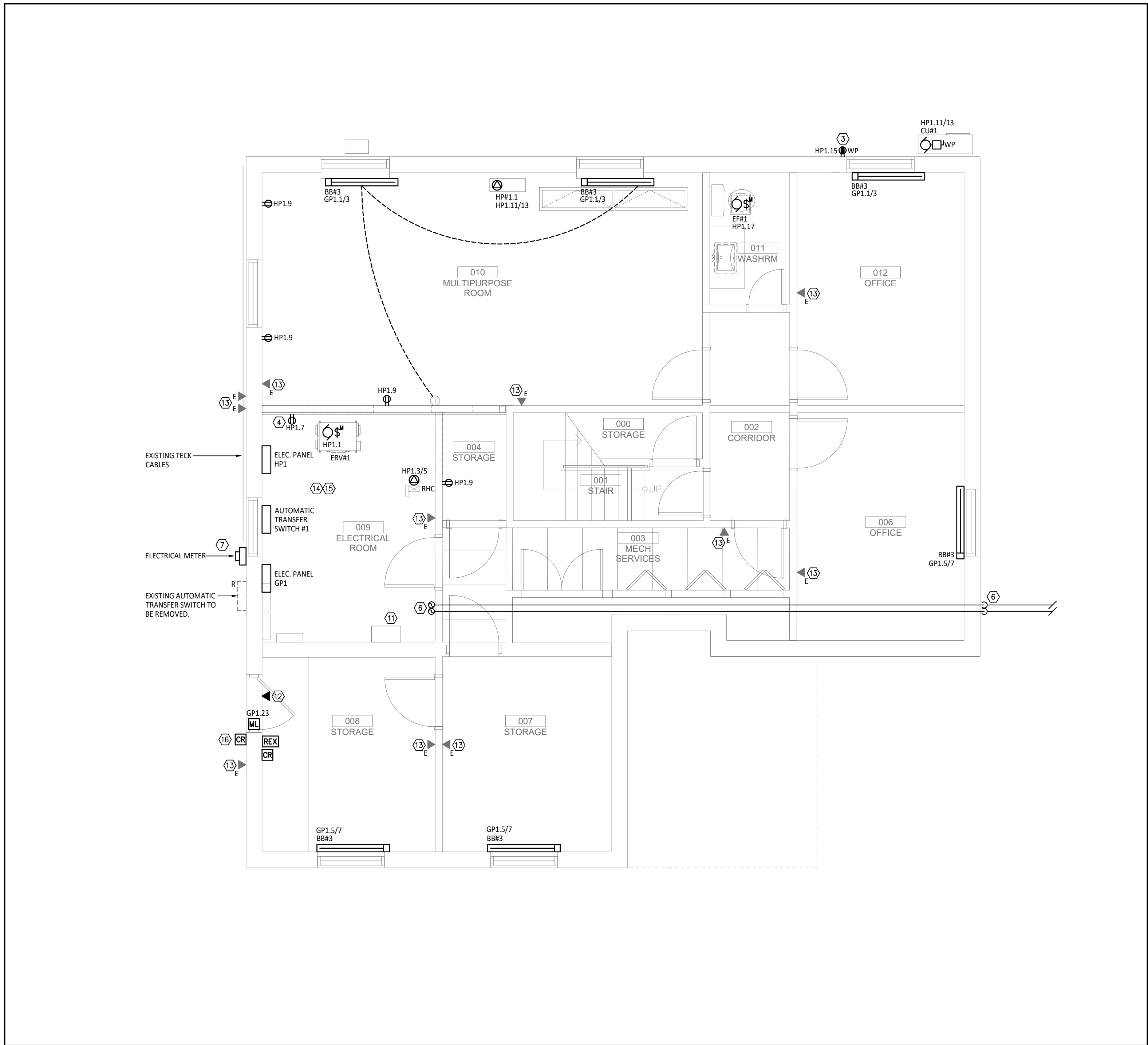
NOTES:
1. CABLE INSTALLATION TO BE AS PER OESC DIAGRAM D11 DETAIL 2
2. CONTRACTOR TO RETURN ALL FINISHED GRADE TO MATCH EXISTING AFTER INSTALLATION.

2 UNDERGROUND RACEWAY - 2 DUCTS
SCALE: N.T.S.



NOTES:
1. CABLE INSTALLATION TO BE AS PER OESC DIAGRAM D11 DETAIL 1
2. CONTRACTOR TO RETURN ALL FINISHED GRADE TO MATCH EXISTING AFTER INSTALLATION.
3. USE NON-METALLIC TIES AT 1500mm SPACING.

3 CONCRETE ENCASED DUCT BANK - 1 DUCT
SCALE: N.T.S.



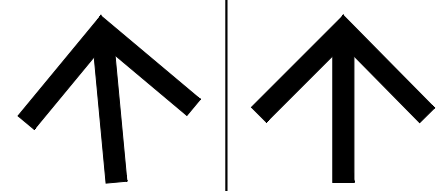
1 POWER & SYSTEMS - BASEMENT - PROPOSED
SCALE: 1/4" = 1'0"

ELECTRICAL DRAWING NOTES:

- COORDINATE EXACT LOCATION AND MOUNTING OF KITCHEN ISLAND RECEPTACLES WITH MILLWORK ON SITE.
- PROVIDE A 20A, 120V, 5-20R, GFI RECEPTACLE WITHIN 7.5M OF ROOFTOP EQUIPMENT. CONFIRM ROUTING ON SITE. ENSURE RECEPTACLE IS A MINIMUM 750MM ABOVE FINISHED ROOF AND PROTECTED FROM MECHANICAL DAMAGE. PROVIDE A WEATHER-PROOF WHILE-IN-USE COVER.
- RECEPTACLES TO BE EQUIPPED WITH A WET LOCATION, WHILE IN USE COVER PLATE EQUAL TO HUBBELL RWS7300.
- REMOVE AND MAKE SAFE ALL ELECTRICAL DECIVES IN THE WALLS. REUSE CIRCUITS TO SERVE NEW ELECTRICAL LAYOUT AS SHOWN.
- REMOVE AND RE-INSTALL RECEPTACLE C/W BOX EXTENSION TO ACCOMMODATE NEW MILLWORK.
- ROUTE TWO (2) - 2" CONDUIT C/W PULLSTRING TO EXTERIOR AS SHOWN. PROVIDE FIRESTOP, COVERS AND PULL BOXES AS REQUIRED. STUB UP AND CAP CONDUIT AT EXTERIOR WALL OF DPSSAB OFFICES. PROVIDE EXPANSION JOINT WHERE EVER CONDUIT BREACHES GROUND. REFER TO SITE PLAN FOR ADDITIONAL DETAIL.
- PROTECT AND MAINTAIN EXISTING HYDRO METER, ATS AND ASSOCIATED CONDUIT AND TECK CABLES.
- SMOKE ALARM C/W RELAY BASE TO INTERCONNECT BUILDING SMOKE ALARM.
- DEMOLISH ELECTRICAL CONNECTION TO FURNACE. FURNACE TO BE REMOVED BY OTHERS.
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- MAINTAIN EXISTING DATA DROP.
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GENERAL NOTES:

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TRUE NORTH PROJECT NORTH

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REVISION SCHEDULE

No.	DESCRIPTION	DATE
0	ISSUED FOR TENDER	MAR. 08, 2024

Project Status:

**ISSUED FOR
TENDER**

Seal:



**SUPPA
ENGINEERING**

Suppa Engineering
592 Cassells Street
North Bay, ON P1B 3Z7
Tel: 705-707-2121
www.suppaengineering.ca

Project:

**ESPRIT WOMEN'S
SHELTER
RENOVATION**

Address:

1 BEECHWOOD DRIVE, PARRY SOUND, ONTARIO

Drawing Title:

**ELECTRICAL
POWER & SYSTEMS
BASEMENT
FLOOR PLAN**

Project No:

22-033B

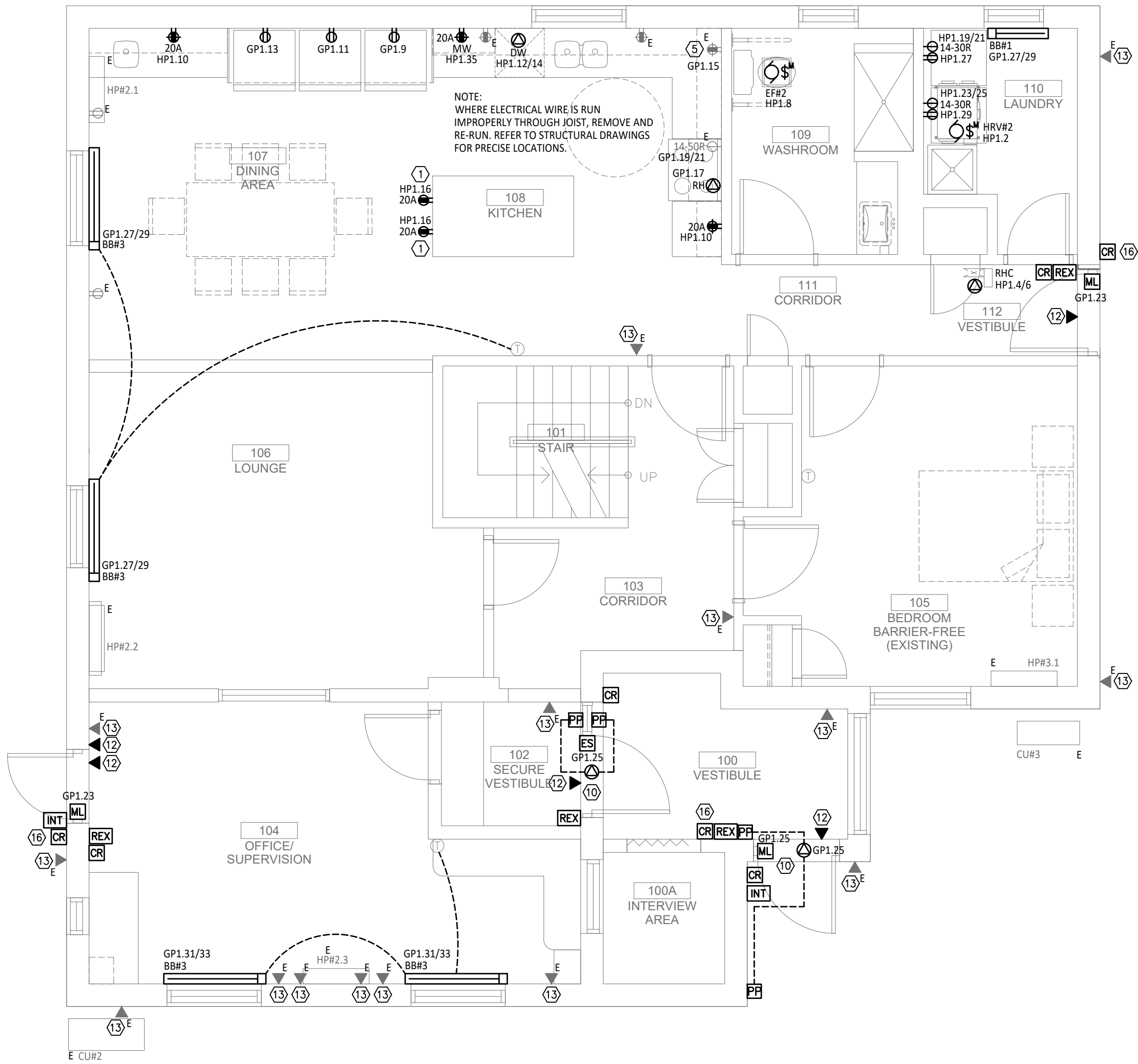
Drawn By: BR Date: Mar. 7, 24

Checked By: SB Scale: 1/4" = 1' - 0"

Drawing No: Revision:

E201

0



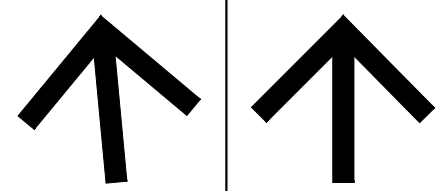
1 POWER & SYSTEMS - FIRST LEVEL - PROPOSED
SCALE: 1/4" = 1'-0"

ELECTRICAL DRAWING NOTES:

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REVISION SCHEDULE

No.	DESCRIPTION	DATE
0	ISSUED FOR TENDER	MAR. 08, 2024

Project Status:

**ISSUED FOR
TENDER**

Seal:



**SUPPA
ENGINEERING**

Suppa Engineering
592 Cassells Street
North Bay, ON P1B 3Z7
Tel: 705-707-2121
www.suppaengineering.ca

Project:

**ESPRIT WOMEN'S
SHELTER
RENOVATION**

Address:

1 BEECHWOOD DRIVE, PARRY SOUND, ONTARIO

Drawing Title:

**ELECTRICAL
POWER & SYSTEMS
FIRST LEVEL
FLOOR PLAN**

Project No:

22-033B

Drawn By: BR Date: Mar. 7, 24

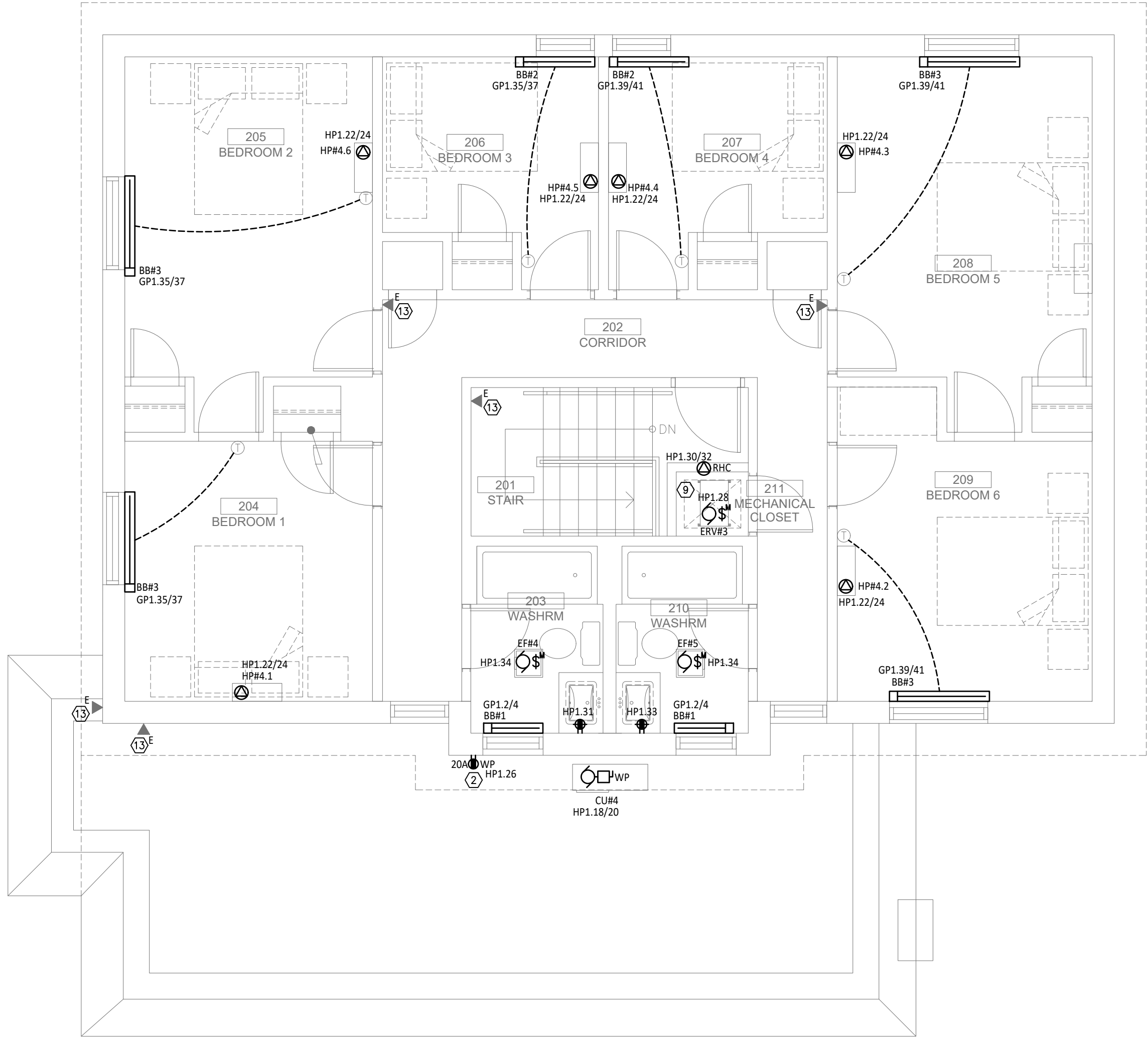
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Drawing No:

E202

Revision:

0



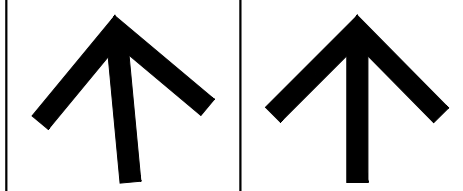
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SCALE: 1/4" = 1'0"

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GENERAL NOTES:

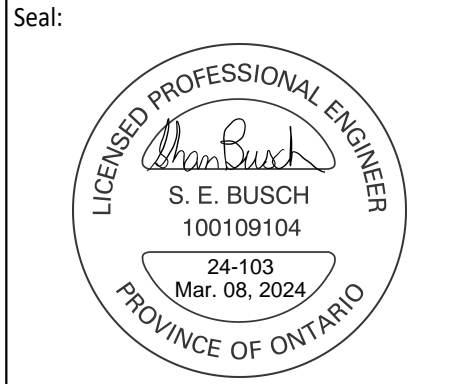
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TRUE NORTH	PROJECT NORTH
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REVISION SCHEDULE		
No.	DESCRIPTION	DATE
0	ISSUED FOR TENDER	MAR. 08, 2024

Project Status:
ISSUED FOR TENDER



Suppa Engineering
592 Cassells Street
North Bay, ON P1B 3Z7
Tel: 705-707-2121
www.suppaengineering.ca

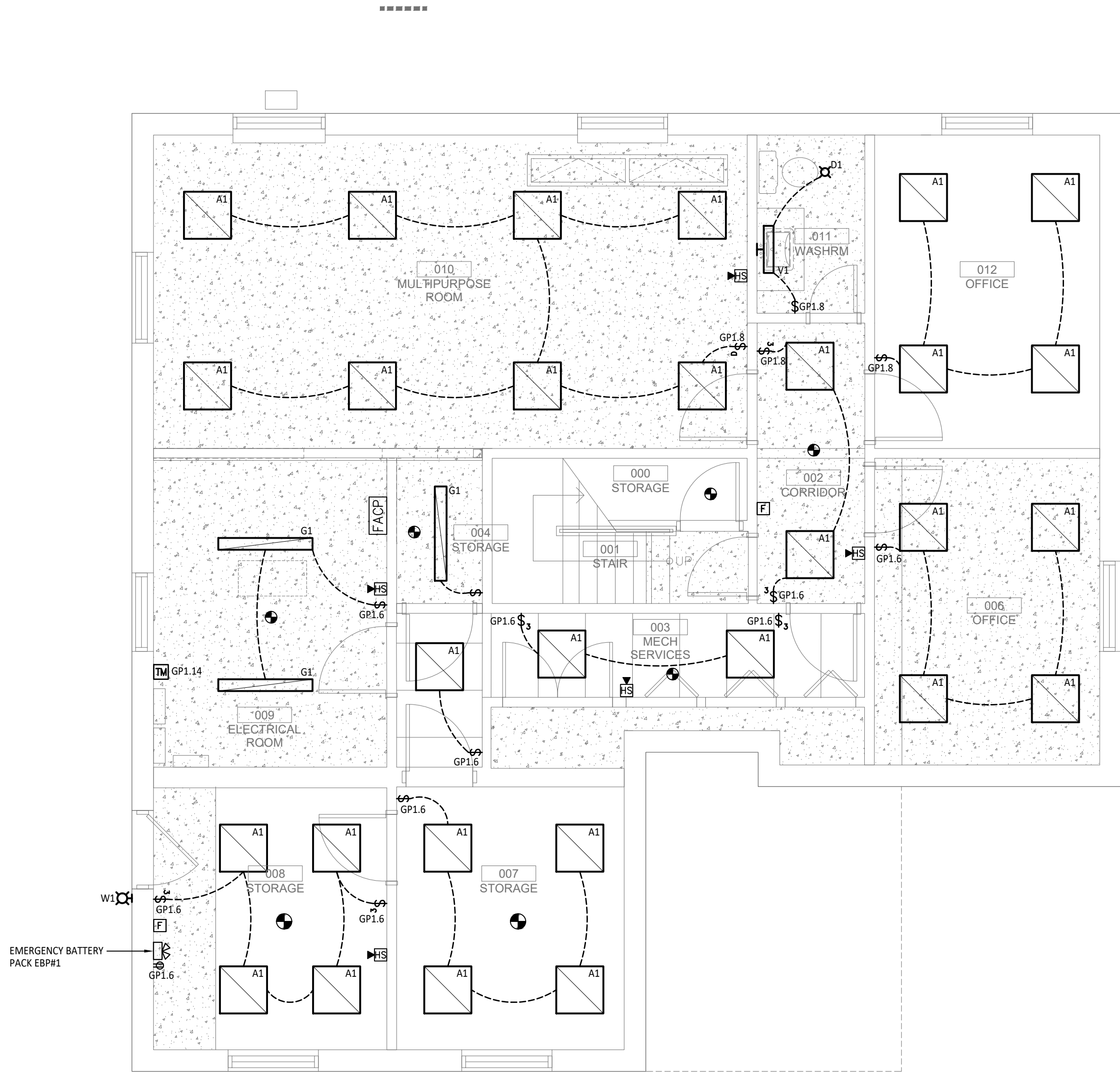
Project:
ESPRIT WOMEN'S SHELTER RENOVATION

Address:
1 BEECHWOOD DRIVE, PARRY SOUND, ONTARIO
Drawing Title:
ELECTRICAL POWER & SYSTEMS UPPER LEVEL FLOOR PLAN

Project No:
22-033B

Drawn By: BR	Date: Mar. 7, 24
Checked By: SB	Scale: 1/4" = 1' - 0"

Drawing No:	Revision:
E203	0



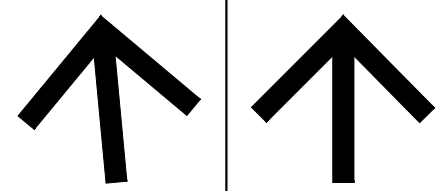
1 LIGHTING & FIRE ALARM - BASEMENT - PROPOSED
SCALE: 1/4" = 1'0"

ELECTRICAL DRAWING NOTES:

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REVISION SCHEDULE

No.	DESCRIPTION	DATE
0	ISSUED FOR TENDER	MAR. 08, 2024

Project Status:

**ISSUED FOR
TENDER**

Seal:



**SUPPA
ENGINEERING**

Suppa Engineering
592 Cassells Street
North Bay, ON P1B 3Z7
Tel: 705-707-2121
www.suppaengineering.ca

Project:

**ESPRIT WOMEN'S
SHELTER
RENOVATION**

Address:

1 BEECHWOOD DRIVE, PARRY SOUND, ONTARIO

Drawing Title:

**ELECTRICAL
LIGHTING & FIRE ALARM
BASEMENT
FLOOR PLAN**

Project No:

22-033B

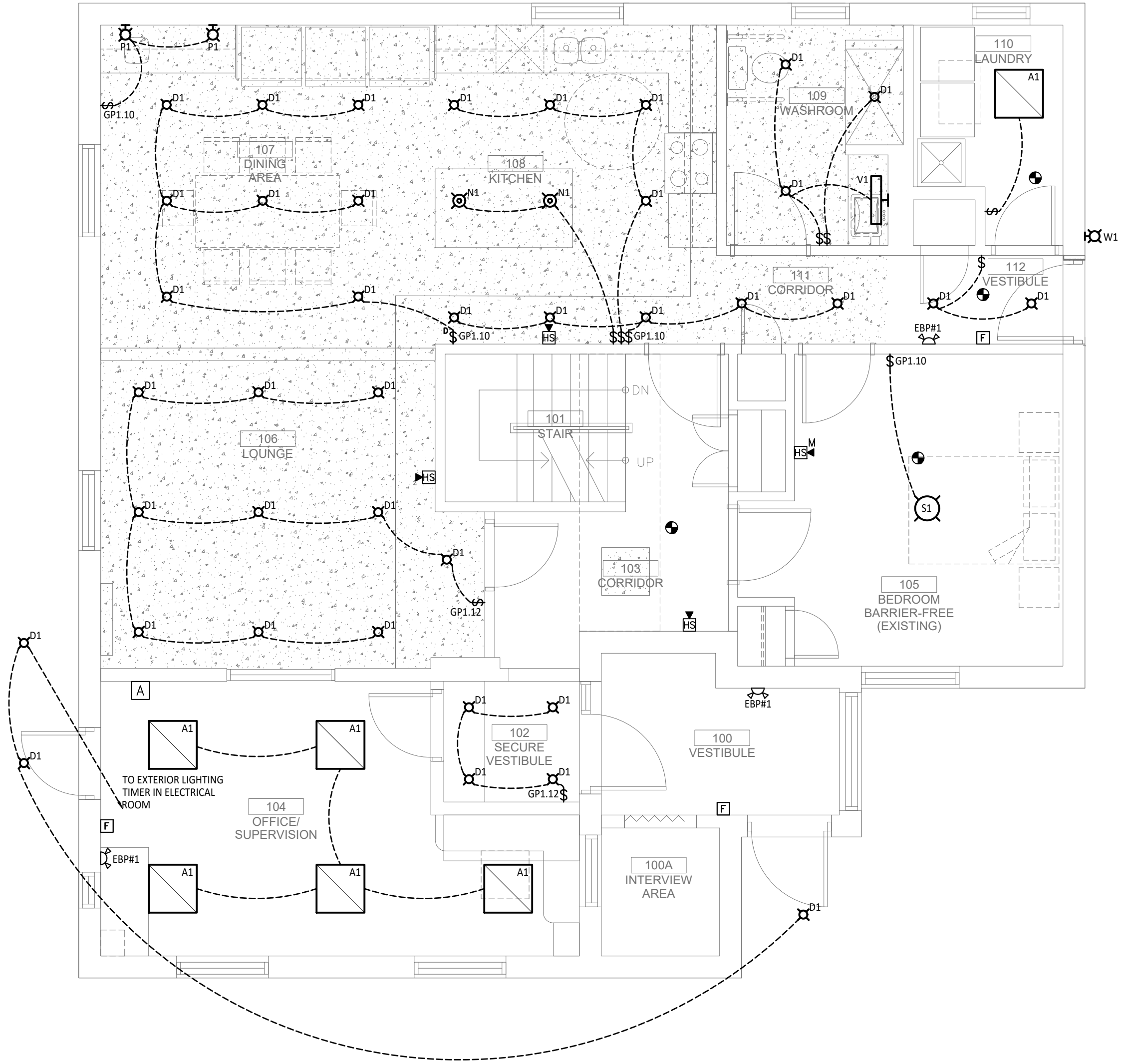
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Checked By: SB Scale: 1/4" = 1' - 0"

Drawing No: Revision:

E301

0



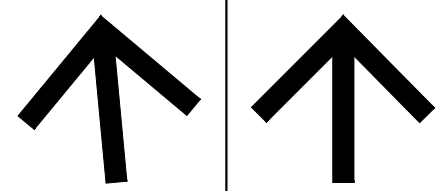
1 LIGHTING & FIRE ALARM - FIRST LEVEL - PROPOSED
SCALE: 1/4" = 1'0"

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REVISION SCHEDULE

No.	DESCRIPTION	DATE
0	ISSUED FOR TENDER	MAR. 08, 2024

Project Status:

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TENDER

Seal:



SUPPA
ENGINEERING

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592 Cassells Street
North Bay, ON P1B 3Z7
Tel: 705-707-2121
www.suppaengineering.ca

Project:

ESPRIT WOMEN'S
SHELTER
RENOVATION

Address:

1 BEECHWOOD DRIVE, PARRY SOUND, ONTARIO

Drawing Title:

ELECTRICAL
LIGHTING & FIRE ALARM
FIRST LEVEL
FLOOR PLAN

Project No:

22-033B

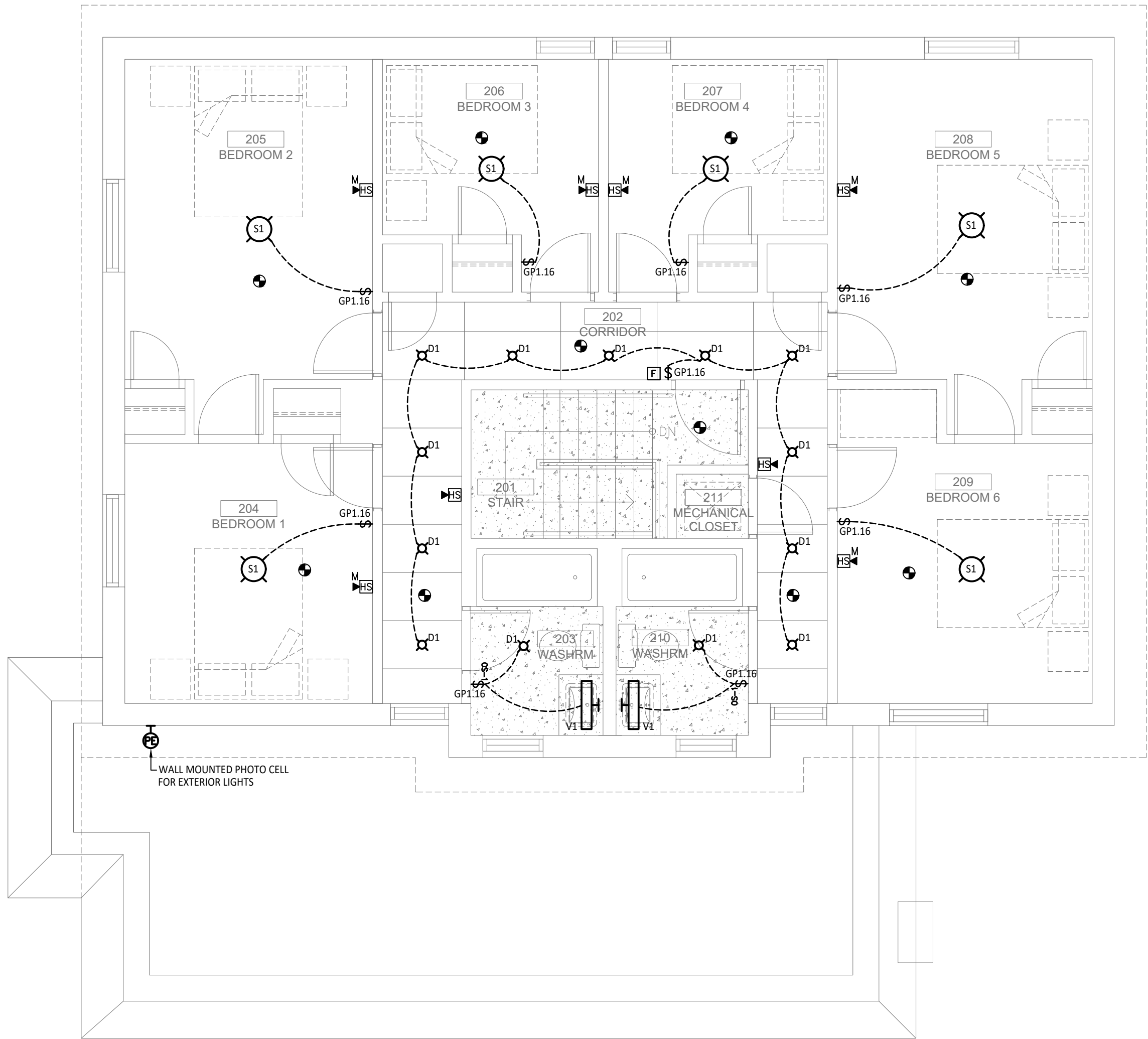
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Checked By: SB Scale: 1/4" = 1' - 0"

Drawing No: Revision:

E302

0



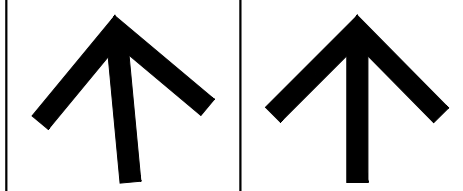
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- SMOKE ALARM C/W RELAY BASE TO INTERCONNECT BUILDING SMOKE ALARM.
- DEMOLISH ELECTRICAL CONNECTION TO FURNACE. FURNACE TO BE REMOVED BY OTHERS.
- INTERLOCK BARRIER FREE DOOR SYSTEM WITH SECURITY SYSTEM.
- APPROXIMATE LOCATION OF SERVER.
- PROVIDE CONDUIT STUB C/W PULL STRING TO NEAREST ACCESSIBLE CEILING FOR FUTURE FIT UP BY OWNER'S FORCES.
- MAINTAIN EXISTING DATA DROP.
- CABLE SIZES ALL SHOWN FOR CODE COMPLIANCE. TERMINATE EXISTING CIRCUITS ON NEW PANELS, IF EXISTING CIRCUITS ARE UNDERSIZED, ADVISE CONSULTANT AS SOON AS POSSIBLE.
- EXISTING PANELS NOT SHOWN. REMOVE AND MAINTAIN CIRCUITS. EXTEND AND TERMINATE ON NEW PANELS. LOCATE JUNCTION BOXES IN CEILING WHERE POSSIBLE.
- REFER TO FIRE ALARM DRAWINGS FOR ASSOCIATED FIRE ALARM PULL STATIONS. PULL STATIONS TO BE C/W DRY CONTACT WIRED TO LOCAL MAG LOCK.

GENERAL NOTES:

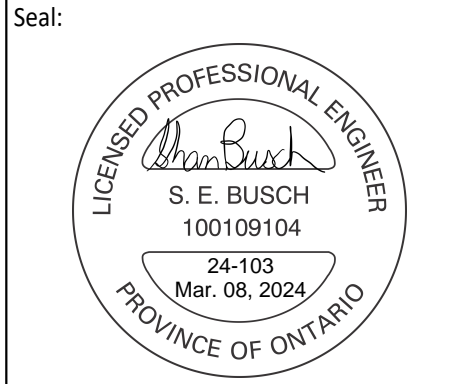
- INCLUDE IN CONTRACT TO REMOVE ABANDONED WIRING WHEREVER IT IS ACCESSIBLE.
- REMOVE ALL LIGHTING AND ASSOCIATED LIGHTING CONTROL. MAINTAIN CIRCUITS FOR RE-USE FOR NEW LIGHTING LAYOUT.
- REFER TO ARCHITECTURAL LAYOUTS FOR EXTENT OF REMOVALS.
- DOOR ACCESS AND INTERCOM SCOPE TO BE COMPLETED BY OWNERS FORCES. INCLUDE FOR ALL NECESSARY COORDINATION AS PART OF THIS SCOPE.
- ALL CONDUIT FOR DOOR ACCESS AND INTERCOM TO BE ROUTED BACK TO SERVER RACK IN BASEMENT.



TRUE NORTH	PROJECT NORTH
GENERAL NOTES: 1. THESE DRAWINGS MUST BE CHECKED BY THE CUSTOMER OR CONTRACTOR. ANY ERRORS OR OMISSIONS MUST BE REPORTED IN WRITING TO SUPPA ENGINEERING PRIOR TO COMMENCEMENT OF CONSTRUCTION. 2. OWNER OR CONTRACTOR MUST CHECK AND VERIFY ALL SITE CONDITIONS BEFORE PROCEEDING WITH THE WORK. 3. ALL DIMENSIONS SHOWN ON THESE DRAWINGS MUST BE CHECKED AGAINST ALL OTHER PROJECT DRAWINGS. ALL DISCREPANCIES MUST BE REPORTED TO THE CONSULTANT BEFORE PROCEEDING WITH THE WORK. 4. FOR CONSTRUCTION PURPOSES, USE ONLY THE LATEST APPROVED DRAWINGS. 5. DO NOT SCALE THE DRAWINGS.	

REVISION SCHEDULE		
No.	DESCRIPTION	DATE
0	ISSUED FOR TENDER	MAR. 08, 2024

Project Status:
**ISSUED FOR
TENDER**



Suppa Engineering
592 Cassells Street
North Bay, ON P1B 3Z7
Tel: 705-707-2121
www.suppaengineering.ca

Project:
**ESPRIT WOMEN'S
SHELTER
RENOVATION**

Address:
1 BEECHWOOD DRIVE, PARRY SOUND, ONTARIO
Drawing Title:
**ELECTRICAL
LIGHTING & FIRE ALARM
UPPER LEVEL
FLOOR PLAN**

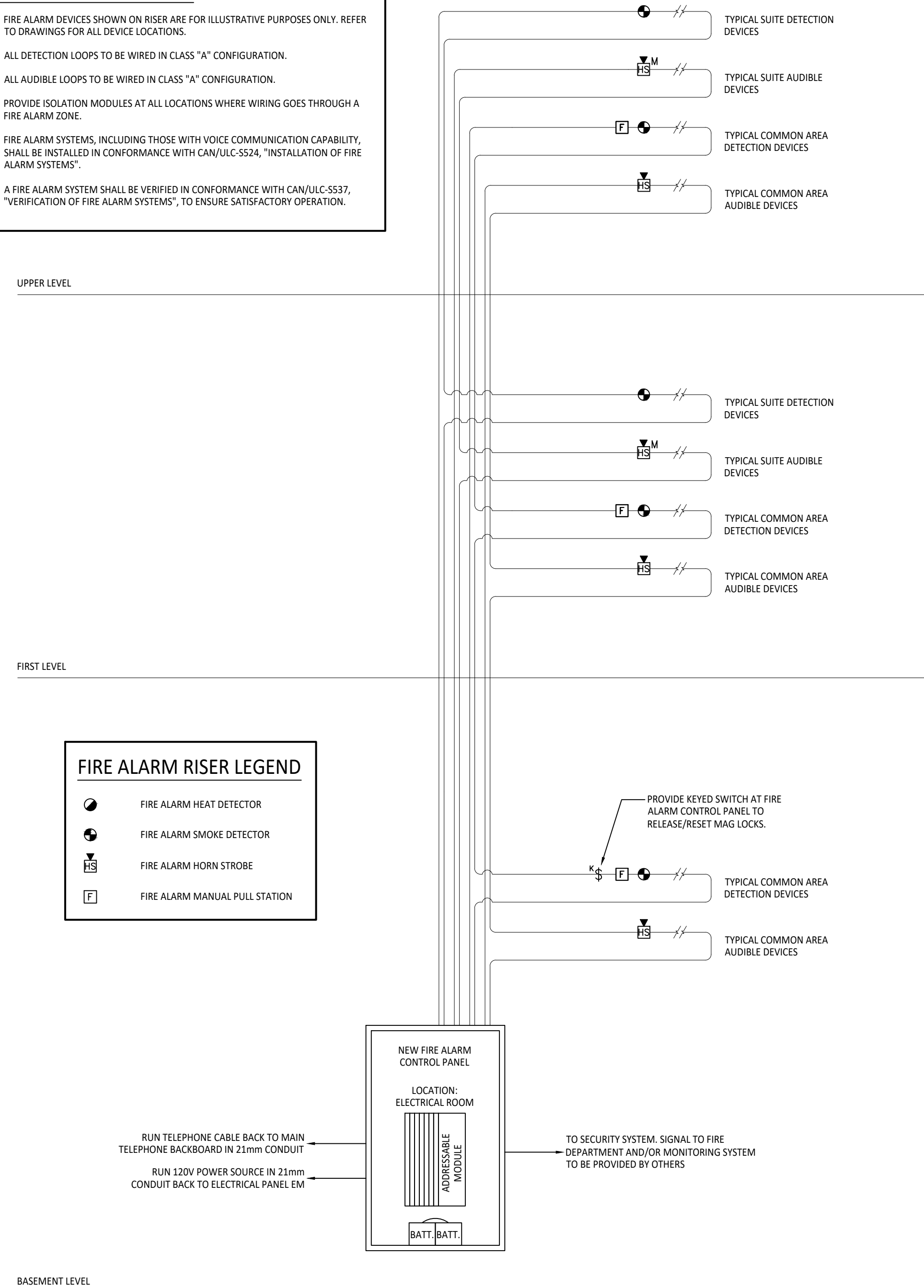
Project No:
22-033B

Drawn By: BR	Date: Mar. 7, 24
Checked By: SB	Scale: 1/4" = 1' - 0"

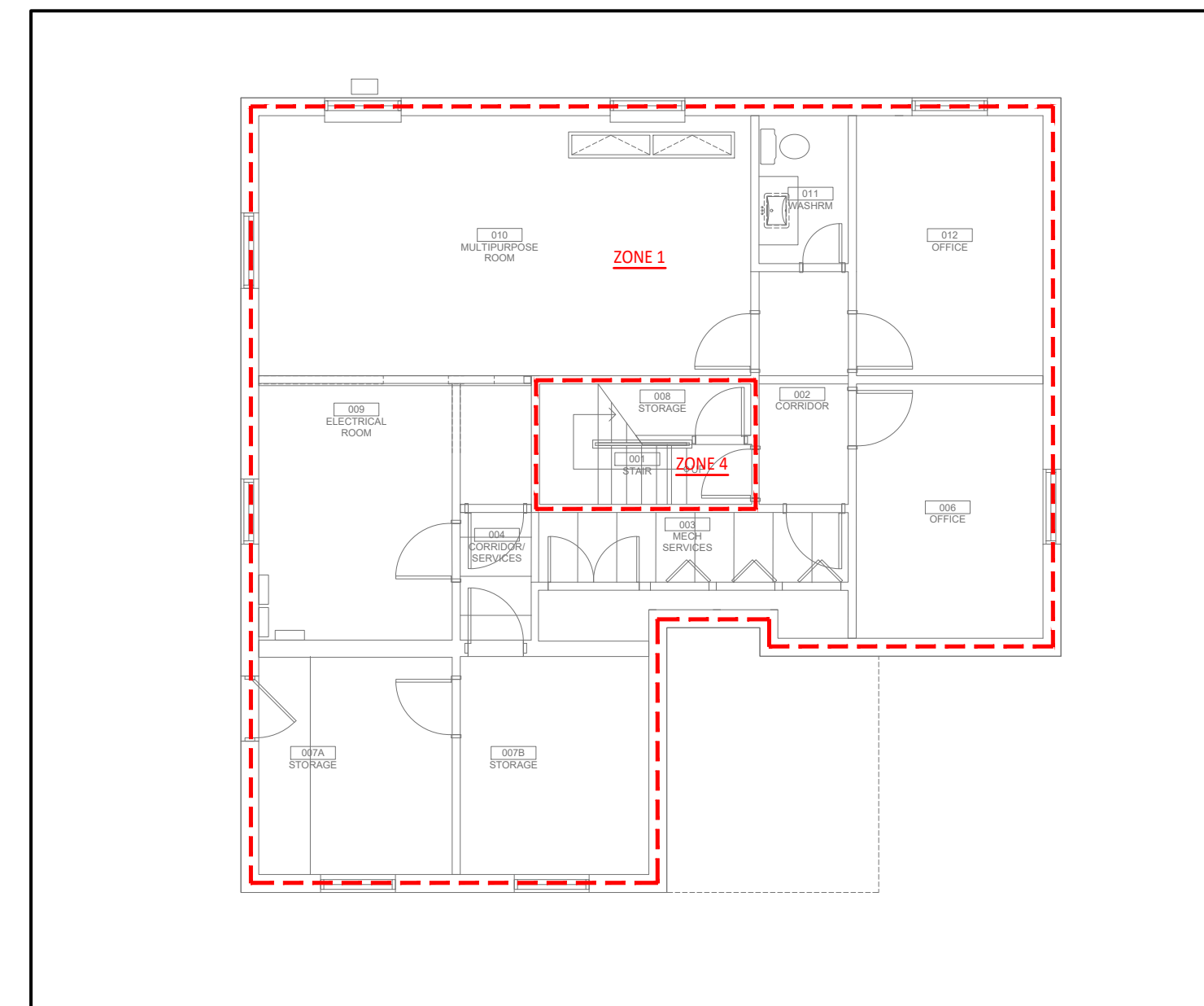
Drawing No:
E303

Revision:
0

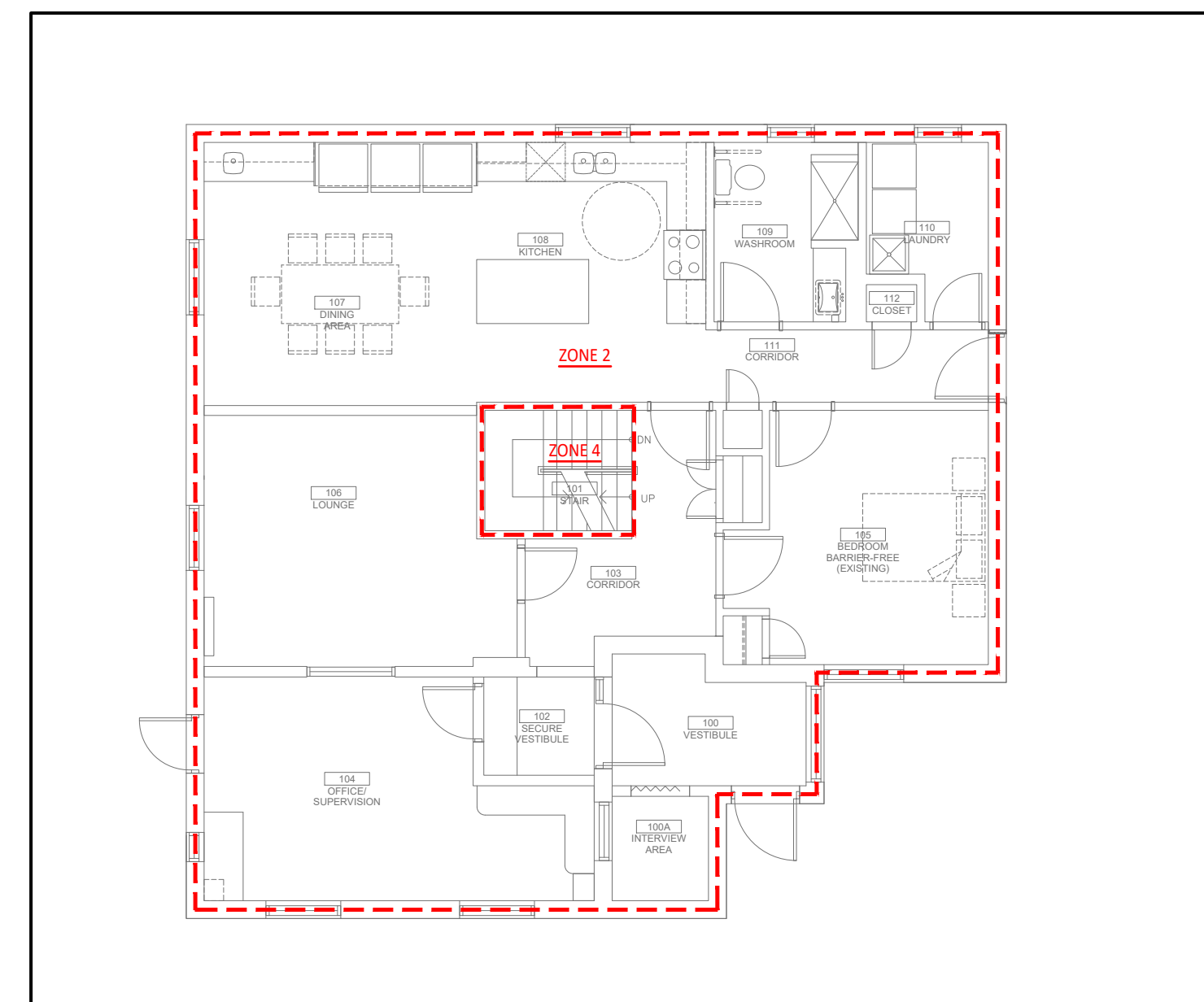
1. FIRE ALARM DEVICES SHOWN ON RISE: ARE FOR ILLUSTRATIVE PURPOSES ONLY. REFER TO DRAWINGS FOR ALL DEVICE LOCATIONS.
2. ALL DETECTION LOOPS TO BE WIRED IN CLASS "A" CONFIGURATION.
3. ALL AUDIBLE LOOPS TO BE WIRED IN CLASS "A" CONFIGURATION.
4. PROVIDE ISOLATION MODULES AT ALL LOCATIONS WHERE WIRING GOES THROUGH A FIRE ALARM ZONE.
5. FIRE ALARM SYSTEMS, INCLUDING THOSE WITH VOICE COMMUNICATION CAPABILITY, SHALL BE INSTALLED IN CONFORMANCE WITH CAN/ULC-5524, "INSTALLATION OF FIRE ALARM SYSTEMS".
6. A FIRE ALARM SYSTEM SHALL BE VERIFIED IN CONFORMANCE WITH CAN/ULC-5537, "VERIFICATION OF FIRE ALARM SYSTEMS", TO ENSURE SATISFACTORY OPERATION.



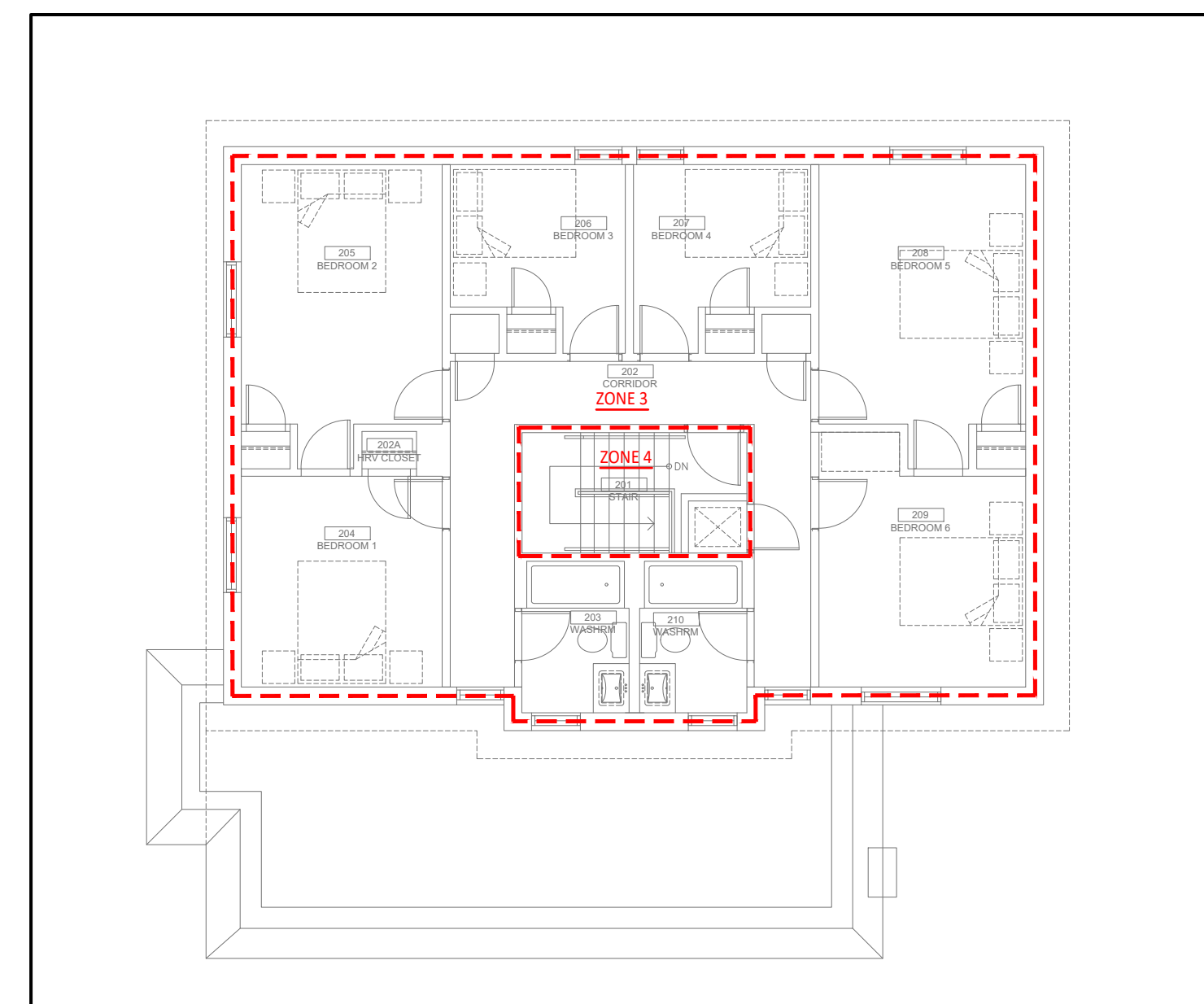
1 FIRE ALARM RISER DIAGRAM
SCALE: N.T.S.



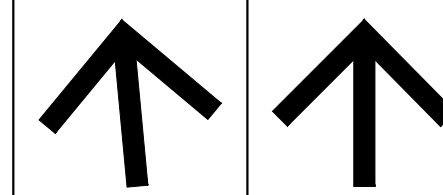
2 FIRE ALARM ZONES - BASEMENT
SCALE: N.T.S.



3 FIRE ALARM ZONES - FIRST LEVEL
SCALE: N.T.S.



4 FIRE ALARM ZONES - UPPER LEVEL
SCALE: N.T.S.



GENERAL NOTES:

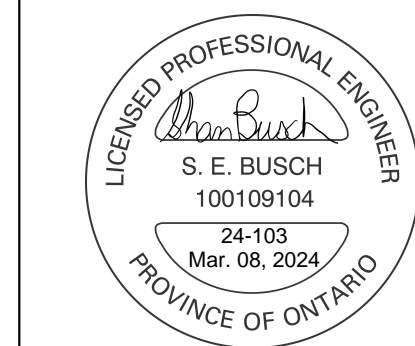
1. THESE DRAWINGS MUST BE CHECKED BY THE CUSTOMER OR CONTRACTOR. ANY ERRORS OR OMISSIONS MUST BE REPORTED IN WRITING TO SUPPLA ENGINEERING PRIOR TO COMMENCEMENT OF CONSTRUCTION.
2. OWNER OR CONTRACTOR MUST CHECK AND VERIFY ALL SITE CONDITIONS BEFORE PROCEEDING WITH THE WORK.
3. ALL DIMENSIONS SHOWN ON THESE DRAWINGS MUST BE CHECKED AGAINST ALL OTHER PROJECT DRAWINGS. ALL DISCREPANCIES MUST BE REPORTED TO THE CONSULTANT BEFORE PROCEEDING WITH THE WORK.
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5. DO NOT SCALE THE DRAWINGS.

REVISION SCHEDULE		
No.	DESCRIPTION	DATE
0	ISSUED FOR TENDER	MAR. 08, 2024

Project Status:

ISSUED FOR
TENDER

Seal



Suppa Engineering
592 Cassells Street
North Bay, ON P1B 3Z7
Tel: 705-707-2121
www.suppaengineering.ca

Project:

ESPRIT WOMEN'S SHELTER RENOVATION

Address:
1 BEECHWOOD DRIVE, PARRY SOUND, ONTARIO

Drawing Title:

**ELECTRICAL
FIRE ALARM ZONES AND
RISER**

Project No:

22-033B

Drawn By: BR	Date: Mar. 7, 24
Checked By: SB	Scale: N.T.S.

Drawing No:	Revision:
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Drawing No. **5401** Revision:

E401	0
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L401	0
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