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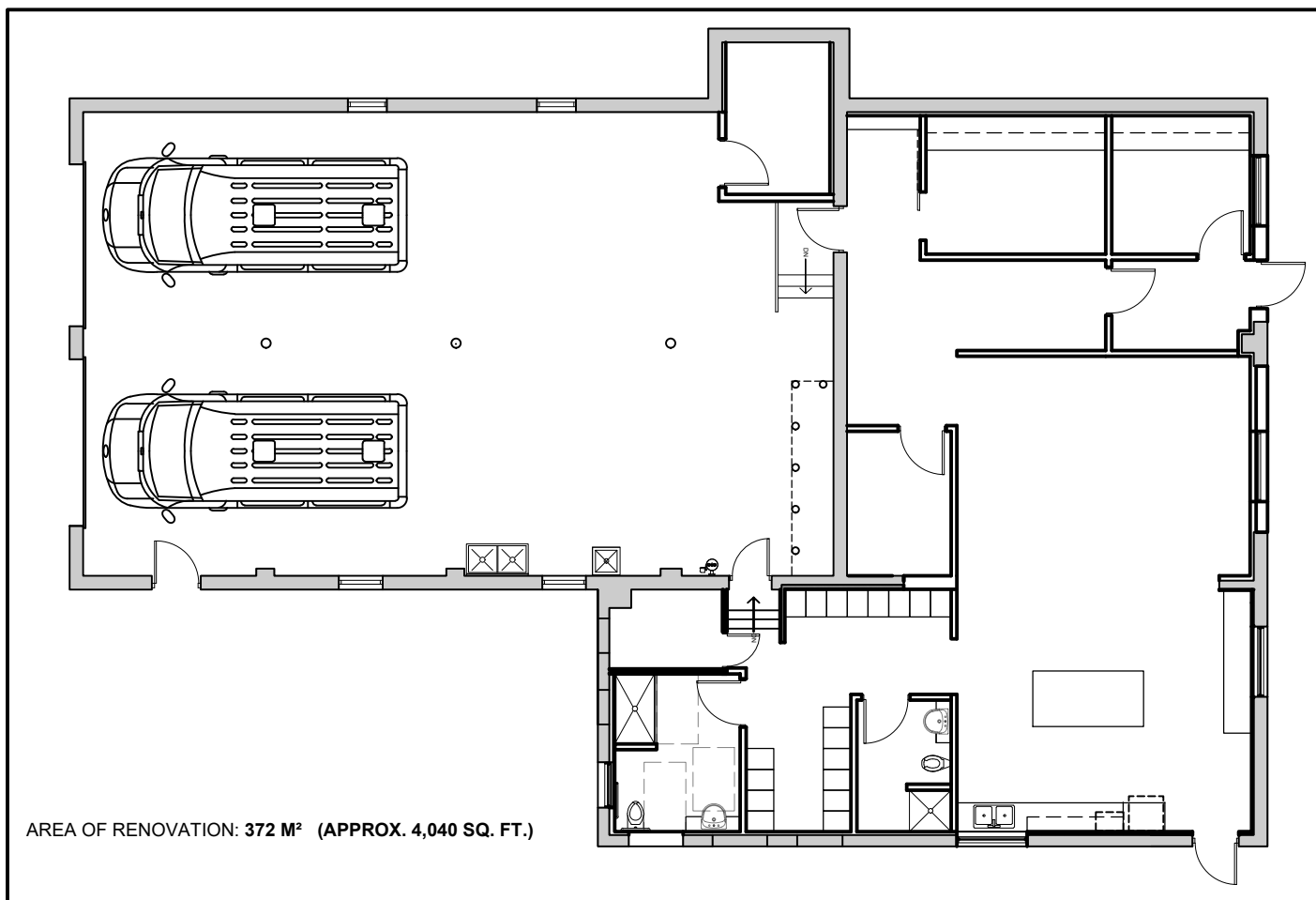
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E-3 ELECTRICAL - LIGHTING & POWER & SYSTEMS PLAN  
E-4 ELECTRICAL - COMMUNICATIONS PLAN  
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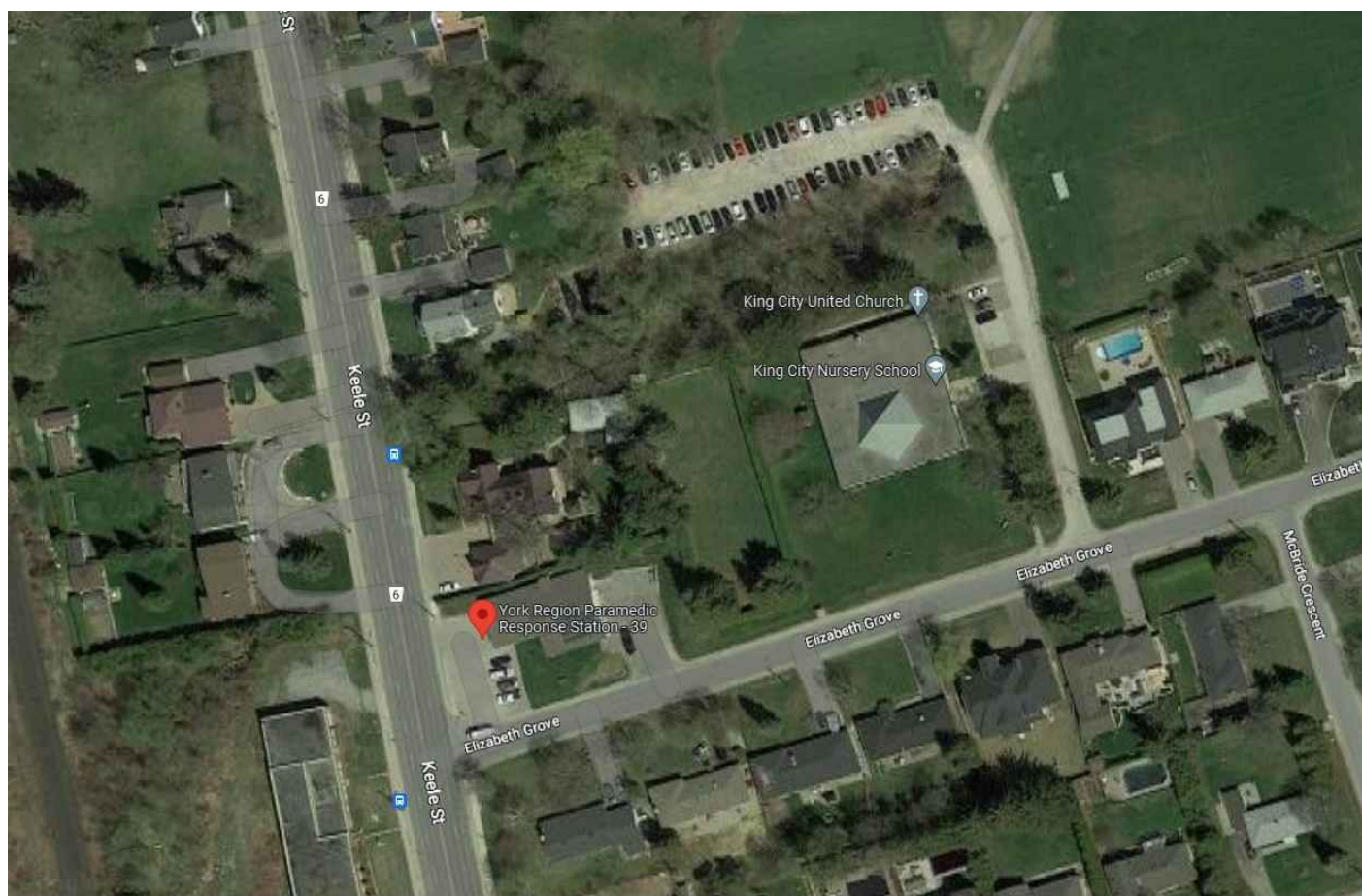
CIVIL ENGINEERING REPORT:

SANITARY LATERAL CONDITION ASSESSMENT REPORT (SEPARATE DOCUMENT)

KEY PLAN:(N.T.S)



SITE MAP: (N.T.S)



GENERAL NOTES:

1. DEFINITIONS:

- IN ALL DRAWINGS AND OTHER CONTRACT DOCUMENTS, THE TERM "LANDLORD" MEANS THE OWNER AND ITS DESIGNATED REPRESENTATIVES.
- IN ALL DRAWINGS AND OTHER CONTRACT DOCUMENTS THE TERM "TENANT/CITY" MEANS YORK REGION AND/OR ANY DESIGNATED REPRESENTATIVE OF YORK REGION.
- THE TERM "CONTRACTOR" IS DEFINED IN THE DEFINITIONS SECTION OF THE CONTRACT DOCUMENTS.
- THE TERM "DESIGNER" MEANS THE CONSULTANT AS DEFINED IN THE DEFINITIONS SECTION IN THE CONTRACT DOCUMENTS.
- THE TERM "ENGINEERS" MEANS THE CONSULTANT AS DEFINED IN THE DEFINITIONS SECTION IN THE CONTRACT DOCUMENTS.
- THE TERM "PRIME CONSULTANT" MEANS THE CONSULTANT AS DEFINED IN THE DEFINITIONS SECTION IN THE CONTRACT DOCUMENTS.

2. CONTRACT DOCUMENTS:

- WHERE DISCREPANCIES OR OMISSIONS ARE BROUGHT TO THE CONSULTANT'S ATTENTION AFTER CLOSING OF THE TENDER, THE CONSULTANT IS TO DETERMINE WHETHER THE MATTER COULD HAVE AND SHOULD HAVE BEEN BROUGHT TO THE OWNER PRIOR TO CLOSING, AND WHETHER A CLAIM FOR ADJUSTMENTS IS TO BE ALLOWED.
- REFER TO GC 2.4 FOR REQUIREMENT RELATED TO DEFECTIVE WORK.
- THE WORK IS INTENDED TO BE WHOLE AND COMPLETE IN EVERY ASPECT, ABIDE BY AND COMPLY WITH THE TRUE INTENT AND MEANING OF THE CONTRACT DOCUMENTS TAKEN AS A WHOLE.

3. INSPECTION OF WORK:

- THE CONSULTANT AND OWNER SHALL HAVE ACCESS TO THE SITE FOR INSPECTION OF ALL WORK AT EACH STAGE OF PROGRESS.

4. COORDINATION:

- COORDINATION OF THE WORK MUST ENSURE MAXIMUM EFFICIENCY AND SMOOTH PROGRESS BY THE CONTRACTOR.
- THE PRIME CONSULTANT AND THE CONTRACTOR ARE TO CHECK AND VERIFY DIMENSIONS OF ALL WORK AT EACH STAGE OF PROGRESS.

5. SUBSTANTIAL COMPLETION:

- SUBSTANTIAL COMPLETION TO BE DATED WHEN CERTIFIED BY THE PROJECT MANAGER WITH EXCEPTION TO ANY CORRECTIONS OF DEFICIENCIES. REFER TO GC 5.4 SUBSTANTIAL PERFORMANCE OF THE CONTRACT FOR RELATED REQUIREMENTS.

6. CLEAN UP:

- THE CONTRACTOR SHALL KEEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIAL AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RUBBISH CAUSED BY ITS FORCES, SUBCONTRACTORS AND SUPPLIERS ON A DAY-TO-DAY BASIS AND MUST LEAVE THE PREMISES CLEAN TO THE SATISFACTION OF THE OWNER AND THE CONSULTANT.

7. DAMAGES AND MUTUAL RESPONSIBILITIES:

- ANY DAMAGE CAUSED BY THE CONTRACTOR OR ANY OF HIS/SUB CONTRACTORS OR SUPPLIERS OF CONTRACT MATERIAL, ETC., TO BE RECTIFIED BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER.

8. PROTECTION OF WORK AND PROPERTY:

- THE CONTRACTOR SHALL MAINTAIN CONTINUAL AND ADEQUATE PROTECTION OF THE WORK INCLUDING PROTECTING THE OWNER'S PROPERTY FROM ANY DAMAGE ARISING IN CONNECTION WITH THE WORK.

9. REJECTED WORK:

- THE CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL DEFECTIVE WORK OR EQUIPMENT FROM THE PREMISES CAUSED BY POOR WORKMANSHIP, USE OF DEFECTIVE MATERIALS, DAMAGE THROUGH CARELESSNESS, CONCEALED DAMAGE OR OTHER ACTS BY THE CONTRACTOR WHICH HAVE BEEN DETERMINED BY THE CONSULTANT OR OWNER AS FAILING TO CONFORM WITH THE CONTRACT DOCUMENTS, WHETHER INCORPORATED IN THE WORK OR NOT.
- THE CONTRACTOR SHALL PROMPTLY REPLACE AND REEXECUTE DEFECTIVE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND WITHOUT EXPENSE TO THE OWNER, WHILE BEARING THE EXPENSE TO FIX ANY DAMAGES TO WORK PERFORMED BY OTHER CONTRACTORS DESTROYED OR DAMAGED BY SUCH REMOVAL OR REPLACEMENT.

10. CORRECTION AFTER COMPLETION:

- THE CONTRACTOR SHALL CORRECT ANY DEFECTS CAUSED BY FAULTY MATERIALS OR WORKMANSHIP THAT APPEAR WITHIN A PERIOD OF ONE YEAR FROM THE DATE OF TOTAL PERFORMANCE OF THE CONTRACT. IN ADDITION, THE CONTRACTOR SHALL PAY FOR ANY DAMAGE TO OTHER WORK RESULTING THERE FROM WHICH APPEARS WITHIN SUCH FINAL PAYMENT UNDER THE CONTRACT DOES NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY.

11. GUARANTEE:

- THE CONTRACTOR GUARANTEES THAT MATERIAL AND WORKMANSHIP OF THE WORK ARE FIRST CLASS IN EVERY ASPECT AND THAT THE FINISHED PRODUCT WILL PROPERLY PERFORM ITS FUNCTION.

GENERAL NOTES:

- THE CONTRACTOR IS TO STORE ALL MATERIALS AND/OR EQUIPMENT IN A SECURE AREA PROVIDED BY THE LANDLORD/TENANT.
- THE CONTRACTOR IS TO BE RESPONSIBLE FOR ALL DAMAGES TO SURFACES, FINISHES AND MATERIALS DUE TO WORK UNDER THIS CONTRACT AND BEAR ALL COSTS INCURRED TO MAKE GOOD, REPAIR, OR REPLACE TO THE PRIME CONSULTANT'S SATISFACTION.
- ARRANGEMENTS FOR THE REMOVAL OF ALL GARBAGE AND DEBRIS TO BE MADE BY THE CONTRACTOR TO THE SATISFACTION OF THE LANDLORD. THE CONTRACTOR IS TO ENFORCE DUST CONTROL MEASURES.
- ALL ELEVATOR COSTS, AND COSTS INVOLVED IN MATERIAL DELIVERY OR DEBRIS REMOVAL TO BE THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR IS TO VISIT THE SITE, COMPARE THE DRAWINGS AND SPECIFICATIONS AND INFORM THEMSELVES OF ALL CONDITIONS PERTAINING TO THE WORK.
- ANY DISCREPANCIES BETWEEN THE DRAWINGS AND EXISTING SITE AND BUILDING CONDITIONS ARE TO BE BROUGHT TO THE ATTENTION OF THE PRIME CONSULTANT/DESIGNER DURING THE TIME OF TENDERING IN SUFFICIENT TIME TO PERMIT ISSUANCE OF ADDENDUM.
- FAILURE TO REPORT DISCREPANCIES WILL NOT RELIEVE THE CONTRACTOR FROM PERFORMING THE WORK AS INTENDED AND AT NO ADDITIONAL COST TO THE CLIENT.
- THE CONTRACTOR IS TO VERIFY ALL JOB DIMENSIONS, DRAWINGS, AND SPECIFICATIONS PRIOR TO PROCEEDING WITH THE WORK. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE PRIME CONSULTANT IMMEDIATELY.
- ALL DIMENSIONS ON DRAWINGS TO GOVERN. DRAWINGS ARE NOT TO BE SCALED.
- ALL JOB SITE DIMENSIONS ARE TO BE VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF RELATED WORK.
- SHOULD CONTRACTOR WISH TO CHANGE:  
- SIZES, DETAILS OR METHOD OF CONSTRUCTION  
- MANUFACTURER, TYPE OR MATERIALS OR SPECIFICATIONS, THE CONTRACTOR MUST HAVE APPROVAL BY THE PRIME CONSULTANT PRIOR TO PURCHASE AND INSTALLATION.
- ALL MATERIALS FOR INSTALLATION AND FINISHING TO BE AS PER MANUFACTURER'S INSTRUCTIONS, RECOMMENDATIONS AND SPECIFICATIONS FOR THE APPLICATION.
- ALL MATERIALS ARE TO HAVE A FLAME SPREAD RATING AS REQUIRED BY THE LOCAL BUILDING CODE. CONTRACTOR TO PROVIDE FLAME SPREAD RATINGS FOR ANY ALTERNATIVE MATERIALS.
- THE CONTRACTOR IS TO CONFIRM ALL FINISHES AND COLORS OF MATERIALS, FITTINGS, FIXTURES AND ACCESSORIES WITH THE DESIGNER PRIOR TO PURCHASE AND INSTALLATION.
- SHOULD IT APPEAR THAT ANY PART OF THE WORK IS NOT SUFFICIENTLY DETAILED ON THE DRAWINGS, THE CONTRACTOR TO CONSULT WITH THE DESIGNER FOR FURTHER INFORMATION OR CLARIFICATION.
- SHOULD ANY QUESTIONS, DISPUTE OR DIFFERENCE OF OPINION ARISE AS TO THE MEANING OR INTERPRETATION OF THE DRAWINGS, IT IS TO BE UNDERSTOOD THAT THE DECISION OF THE PRIME CONSULTANT / DESIGNER WILL BE FINAL.
- THE CONTRACTOR IS TO REFER TO CONSULTING ENGINEERS DRAWINGS AND SPECIFICATIONS FOR ALL TECHNICAL INFORMATION WITH RESPECT TO MECHANICAL AND ELECTRICAL FITTINGS, FIXTURES, EQUIPMENT, CIRCUITRY, ETC.
- THE CONTRACTOR IS TO REFER TO THE DESIGN DRAWINGS FOR LOCATION OF ALL ELECTRICAL FIXTURES AND OUTLETS.
- WHERE IT IS OBVIOUS THAT THE DRAWING ILLUSTRATES ONLY A PART OF THE PROPOSED WORK OR NUMBER OF ITEMS, THE REMAINDER TO BE DEEMED REPETITIOUS AND SO CONSTRUCTED.
- ALL COMMUNICATIONS BETWEEN THE CLIENT, PRIME CONSULTANT, AND CONTRACTOR TO BE BY MEANS OF NUMBERED ADDENDA WHICH TO BECOME PART OF THE CONTRACT DOCUMENT, PRIOR TO TENDER SUBMISSION OR CONTRACT AWARD.
- CONTRACTOR TO ALLOW FOR CUTTING HOLES IN EXISTING CEILINGS, NON-STRUCTURAL WALLS AND ANY CONSTRUCTION NECESSARY TO FACILITATE THE INSTALLATION OF MECHANICAL AND ELECTRICAL EQUIPMENT. PROVIDE UNIT PRICE FOR THIS WORK.
- CUTTING OR DRILLING IN CONCRETE SLAB AND OTHER STRUCTURAL ELEMENTS TO BE APPROVED BY STRUCTURAL ENGINEER PRIOR TO PROCEEDING WITH INSTALLATION.
- ALL X-RAY AND OTHER RELATED PROCEDURES PERTAINING TO ABOVE TO FORM PART OF THIS CONTRACT.
- CONTRACTOR TO PROVIDE A LIST OF SUBCONTRACTORS, WHOSE COSTS ARE REFLECTED IN THE TENDER DOCUMENT.
- CONTRACTOR GUARANTEES ALL WORK TO BE FREE FROM ALL INHERENT DEFECTS IN WORKMANSHIP OR MATERIALS AND TO GIVE PROPER AND CONTINUOUS SERVICE UNDER ALL CONDITIONS OF SERVICE REQUIRED AND CONTRACTOR TO REPLACE PROMPTLY AND AT HIS / HER WORK PROVING DEFECTIVE WITHIN ONE (1) YEAR FROM DATE OF INSTALLATION.
- DESIGNER TO APPROVE LOCATION OF ANY ACCESS PANELS IN GWB SURFACES.
- EXTENDED WARRANTIES:  
THE FOLLOWING IS A COMPILATION OF WARRANTIES WHICH EXTEND BEYOND THE TWELVE (12) MONTHS REQUIRED UNDER THE GENERAL CONDITIONS OF THIS CONTRACT OR WHICH HAVE SPECIAL CONDITIONS ATTACHED TO THEM.  
THIS LIST IS GIVEN FOR CONVENIENCE ONLY AND MAY NOT BE COMPLETE. THERE MAY EXIST WARRANTIES IN THE SPECIFICATIONS OR ELSEWHERE IN THE CONTRACT DOCUMENTS OR WARRANTIES MAY BE AVAILABLE FOR THE PRODUCTIONS SPECIFIED FOR THE WORK WITHOUT SAID WARRANTIES BEING STIPULATED IN THE CONTRACT DOCUMENTS.  
THE CONTRACTOR IS TO PROVIDE CLIENT WITH MAINTENANCE AND GUARANTEE FOR ALL MATERIALS AND EQUIPMENT INSTALLED UNDER THIS CONTRACT PRIOR TO FINAL CERTIFICATE FOR PAYMENT.  
ALL WARRANTIES ARE APPLICABLE AND IN FORCE WHETHER LISTED IN THIS SUMMARY OR NOT.  

DESCRIPTION	EXTENSION OF WARRANTY
CARPENTRY	3 YEARS
MILLWORK	3 YEARS
FINISH HARDWARE	3 YEARS
- ALL MATERIALS AND SERVICES FURNISHED BY THE CONTRACTOR TO BE SUBJECT TO INSPECTION AND APPROVAL BY THE DESIGNER, ACTING AS THE CLIENT'S REPRESENTATIVE WITH THE RIGHT TO REJECT MATERIALS AND / OR REQUIRE ADDITIONAL SERVICES TO CORRECT THE DEFECTIVE WORK. THE ABOVE WILL BE AT THE CONTRACTOR'S EXPENSE.
- GENERAL CONTRACTOR TO INCLUDE FOR COORDINATION AND SCHEDULING OF SUB TRADES WITHIN THE GENERAL CONTRACT AND THOSE HIRED BY THE LANDLORD / OWNER.
- WHERE NOTED, GENERAL CONTRACTOR TO ONLY USE PRE-APPROVED VENDORS TO BID ON PARTICULAR PORTIONS OF THE WORK AS STIPULATED BY LANDLORD / OWNER.
- LANDLORD TO INVESTIGATE CAUSE OF ANY WATER LEAKS / STAINING WITHIN THE BUILDING AND RECTIFY.
- IT IS THE RESPONSIBILITY OF THE ELECTRICAL ENGINEER FOR CALCULATING AND SPECIFYING THE APPROPRIATE LIGHT LEVELS FOR THE DESIGN OF THE SPACE IN ACCORDANCE WITH THE LOCAL BUILDING CODE.

General Health and Safety Notes:

The contractor must follow proper Health and safety practices when executing the work under this contract and on this project.

The contractor must refer to YORK REGION'S Health and Safety policies and procedures document and all other Health and Safety instructions issued with the tender documents.

ISSUED FOR TENDER: 10 NOVEMBER 2023

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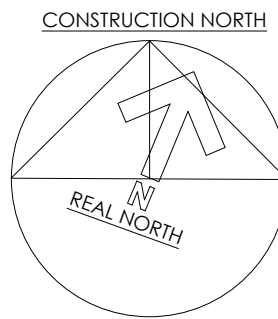
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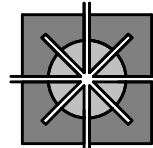
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- ALL MEASUREMENTS MUST BE VERIFIED ON SITE BY CONTRACTOR AND REPORT ANY DISCREPANCIES TO SQUARED IN INC. BEFORE PROCEEDING WITH THE WORK.
- DO NOT SCALE DRAWINGS.



IN ASSOCIATION WITH:

CSPACE  
ARCHITECTURE



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01	28MAR23	JL	RE-ISSUED FOR PERMIT
no.	date	by	description

REVISIONS


04	10NOV23	JL	RE-ISSUED FOR TENDER
03	9MAY23	JL	ISSUED FOR TENDER
02	13MAR23	JL	ISSUED FOR PERMIT & TENDER

01	22FEB2023	JL	ISSUED FOR 100% REVIEW
no.	date	by	description

ISSUED

CLIENT



Project title

YORK REGION  
PARAMEDIC RESPONSE STATION  
12825 KEELE STREET  
KING CITY, ON. L7B 1H7

Drawing title

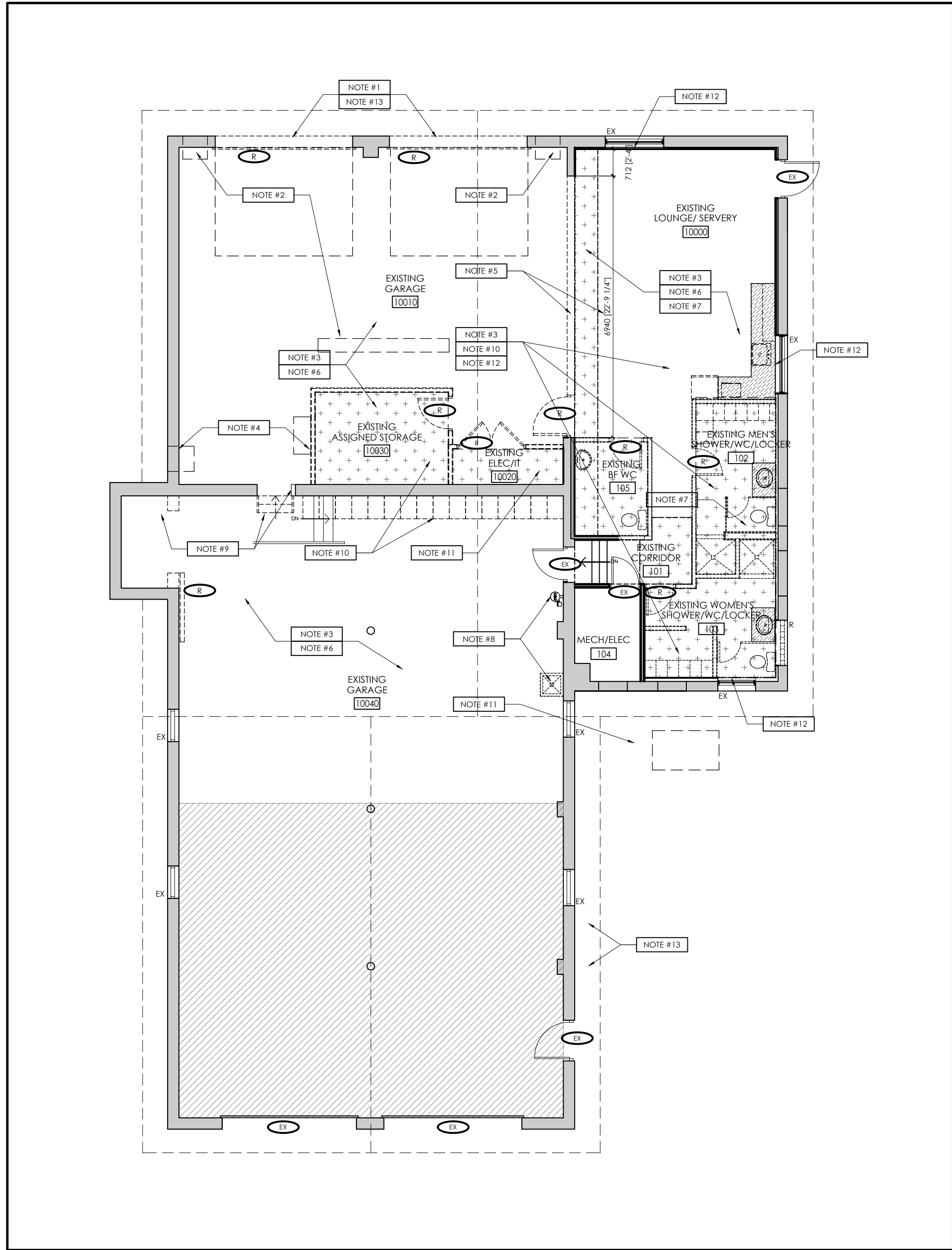
DRAWING LIST,  
COVER & GENERAL NOTES

date DEC2022	project no. 22.017
drawn by JL	cod file: 22.017_ID.000_COVER
checked by CP	drawing no.
scale 1:100	ID.000





file	project no.
DEC2022	22.017
own by	cod file:
DL	22.017_ID.011_PHASE
checked by	drawing no.
scale	ID.011
1:100	



1  
ID.100  
DEMOLITION PLAN  
1:100 = 1'-0"

DEMOLITION LEGEND

SYMBOL	DESCRIPTION
	DEMOTES EXISTING EXTERIOR/SUPPORTING WALLS TO REMAIN
	DEMOTES EXISTING PARTITION TO REMAIN
	DEMOTES EXISTING PARTITION TO BE REMOVED
	DEMOTES EXISTING DOOR & FRAME (INCLUDING SWING, GARAGE AND SLIDER TYPE DOORS) TO BE REMOVED.
	DEMOTES EXISTING (INTERIOR/ EXTERIOR) DOOR & FRAME TO REMAIN.
	DEMOTES EXISTING EXTERIOR WINDOW TO REMAIN.
	DEMOTES EXISTING EXTERIOR GLASS BLOCK TO BE REMOVED AND PREPARED FOR NEW BASE BUILDING WINDOW STANDARD
	REMOVE EXISTING GWS CEILING AND/OR BULKHEADS. REFER TO CEILING DEMO PLAN ID.100.1 & CEILING PLAN ID.102 FOR FURTHER DETAILS. <b>COORDINATE WITH MECHANICAL ENGINEER TO REVIEW NEW DUCT LOCATIONS BASED ON NEW LAYOUT.</b>
	DEMOTES EXISTING MILLWORK TO BE REMOVED. ASSOCIATED PLUMBING TO BE CAPPED AND REDISPOSED BASED ON NEW LAYOUT. REFER TO MECHANICAL DRAWINGS FOR FURTHER DETAILS.
	REFER TO ARCHITECTURAL & STRUCTURAL DRAWINGS FOR FURTHER DETAILS AROUND THE REMOVAL OF EXISTING 3048 MM (10'-0") X 3658 MM (12'-0") W GARAGE DOORS, FRAME, TRACK AND OPERATORS. PREPARE AREA TO RECEIVE NEW 2743 MM (9'-0") W DOOR AND/OR WINDOWS.
	REFER TO MECHANICAL AND ARCHITECTURAL DRAWINGS FOR FURTHER DETAILS AROUND THE REMOVAL OF THE EXISTING LOUVER/ DAMPER, GLASS BLOCK OR ANY OTHER PENETRATIONS IN THE BUILDING NO LONGER REQUIRED. ANY OPENINGS IN EXTERIOR WALL TO BE FILLED/ PATCHED ACCORDINGLY.
	REFER TO ELECTRICAL DRAWINGS FOR FURTHER DETAILS AROUND THE REMOVAL OF THE EXISTING LIGHTING. ALSO REFER TO ID.100.1 FOR CEILING, LIGHTING ELECTRICAL ELEMENTS TO BE REMOVED AND DRAWING ID.102 FOR ALL NEW CEILING DESIGN.
	EXISTING CARBON MONOXIDE DETECTION SYSTEM & BAS SYSTEM, TO BE REMOVED ALONG WITH EXTRACTOR FAN, LOUVER AND CONTROLS. REFER TO MECHANICAL ENGINEER'S DRAWINGS FOR FURTHER DETAILS AND THE ARCHITECTURAL DRAWINGS FOR FILLING AND PATCHING PENETRATION IN EXTERIOR WALL.
	EXISTING STRUCTURAL WALL TO BE REMOVED AND REINFORCED TO SUPPORT NEW OPENING. MAXIMUM OPENING REQUESTED. REVIEW OPTIONS WITH STRUCTURAL ENGINEER FOR BEST DESIGN OPTION. REFER TO ENGINEER'S DRAWINGS FOR FURTHER DETAILS.
	REFER TO ID.103 & ELEC. ENG. DRAWINGS FOR FURTHER DETAILS AROUND THE REMOVAL OF THE EXISTING POWER & COMM. AND FOR ALL NEW LOCATIONS DESIGN.
	ALL EXISTING FINISHES IN CREW QUARTERS TO BE REMOVED AND READY TO RECEIVE NEW. REFER TO FINISH DRAWINGS ID.104 & ID.105 FOR ALL NEW FINISH APPLICATIONS.
	ALL EXISTING PLUMBING FIXTURES (EYE WASH & SLOP SINK/ FAUCET) TO BE REMOVED AND READY TO RECEIVE NEW. REFER TO MECHANICAL DRAWINGS FOR FURTHER DETAILS.
	EXISTING ELEMENTS TO BE REMOVED (STAIR, WATER LINE, DOOR OPENING) TO BE WIDENED AND EXISTING CLOSET) TO BE MODIFIED TO REFLECT NEW DESIGN. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWING FOR DETAILS. (ALSO SEE ID. 101 FOR NEW LAYOUTS)
	EXISTING CONTENTS TO BE REMOVED BY YORK REGION/ CONTRACTOR PRIOR TO DEMOLITION (BLOCKERS, MEDICATION EQUIPMENT, RADIO EQUIPMENT, APPLIANCES, FURNITURE, ETC) INVENTORY FOR DISPOSAL AND/OR RE-USE TO BE DETERMINED.
	EXISTING CARD READERS, IT RACK, GENERATOR, ELECTRICAL PANEL(S), HVAC TO BE REPAIR/ RE-USED AND/OR REMOVED. SEE ENGINEER'S DRAWINGS FOR FURTHER DETAILS.
	REMOVE EXISTING LAMINATE ON WINDOW SILLS INDICATED. SEE PARTITION PLAN FOR NEW SURFACE FINISH. ALL EXISTING WINDOW BLINDS TO BE REMOVED AS WELL. NOTE APPLIED FROSTING ON EXISTING WASHROOM WINDOW TO REMAIN (PROTECT)
	FOR EXTERIOR FINISHES TO BE REMOVED. REFER TO ARCHITECTURAL DRAWINGS AND ID.104 WALL FINISH PLAN NOTE 4.
	AREA NOT IN CONTRACT (N/C)

DEMOLITION NOTES

- ALL PARTITIONS DESIGNATED TO BE DEMOLISHED SHALL BE REMOVED FROM SLAB TO SLAB.
- WHERE DEMOLISHED PARTITIONS PENETRATED SUSPENDED T-BAR CEILING GRID, REPAIRS SHALL BE MADE TO MAKE GOOD A CONTINUOUS CEILING GRID.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAKE GOOD ALL AREAS AFFECTED BY DEMOLITION.
- DISCONNECT AND CAP ALL PLUMBING WHICH IS TO BE REMOVED.
- DEMOLITION AND NEW CONSTRUCTION SHALL BE DONE IN PHASES AS REQUIRED. DURING EACH PHASE, THE AREA UNDER CONSTRUCTION SHALL BE COMPLETELY SEALED OFF.
- THE CONTRACTOR SHALL SALVAGE ALL ELEMENTS OF THE BASE BUILDING, SUCH AS (BUT NOT LIMITED TO) CEILING COMPONENTS, LIGHT FIXTURES, SPEAKERS, ETC. ALL ELEMENTS REMAIN THE PROPERTY OF AND SHALL BE TURNED OVER TO THE LANDOWNER CLIENT AND STORED WHERE DIRECTED UNLESS SCHEDULED FOR REUSE AND/OR SHOWN TO BE REMOVED AND RELOCATED UNDER THIS CONTRACT.
- ALL DEBRIS AND MATERIALS RESULTING FROM THE DEMOLITION AND NOT CLAIMED BY THE OWNER SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE PREMISES AND BE LEGALLY DISPOSED OF.
- THE CONTRACTOR SHALL COORDINATE THE LIFTING AND REMOVAL OF ALL EXISTING FLOOR COVERING AND BASE FINISHES, WITHIN THE CONTRACT AREA, WITH THE FLOOR COVERING CONTRACTOR.
- ANY WIRING ETC. WITHIN PARTITIONS SLATED FOR DEMOLITION IS TO BE REMOVED AND/OR TERMINATED AND IS TO CONFORM TO ALL APPLICABLE STANDARDS AND BY LAWS.
- DISCONNECT ALL ELECTRICAL SERVICES FROM PARTITIONS TO BE DEMOLISHED AND CAP ABOVE CEILING HEIGHT.
- IN PARTITIONS BEING REMOVED, ELECTRICAL OUTLETS, CONDUIT, ETC. ARE TO BE REMOVED BACK TO FIRST JUNCTION BOX AND TERMINATED OR AS DIRECTED BY ELECTRICAL DRAWINGS / SPECIFICATIONS. REFER TO CONSULTANT ENGINEER'S DRAWINGS.
- CONTRACTOR TO REMOVE ALL FLOORING AND BASE UNLESS NOTED OTHERWISE. MAKE GOOD ALL FLOORS, BASE, WALLS, COLUMNS AND CEILING AFTER DEMOLITION SUITABLE FOR APPLICATION OF NEW FINISH. REFER TO FLOOR FINISH NOTES AND LEGENDS DWG ID.104.
- EXISTING CEILING TILES & FIXTURES TO BE REMOVED & SALVAGED FOR RE-USE. NEW TILES AS REQUIRED TO MATCH. ALL DISCOLOURED TILES TO BE SEGREGATED IN SPECIFIC AREAS TO ACHIEVE AN EVEN COLOUR WITHIN ONE AREA. REFER TO CEILING PLAN.
- CONFIRM THAT DEMOLITION DRAWINGS ACCURATELY REFLECT THE EXTENT OF ABOVE CEILING GWS BATTING TO BE REMOVED AND REMOVE ANY REDUNDANT BATTLES ABOVE THE CEILING.
- THE CONTRACTOR IS TO BE RESPONSIBLE FOR ALL DAMAGE TO FINISHES, SURFACES, MATERIALS ETC., DUE TO WORK PERFORMED UNDER THIS CONTRACT AND BEAR ALL COSTS INCURRED TO MAKE GOOD. REPAIR OR REPLACE SAME TO DESIGNER'S SATISFACTION.
- THROUGHOUT THE ENTIRE CONSTRUCTION PERIOD PROPER AND SAFE MEANS OF FREE EXIT SHALL BE PROVIDED FROM ALL ZONES OF THE BUILDING AT ALL TIMES TO THE APPROVAL OF THE AUTHORITIES HAVING JURISDICTION.
- PROTECT EXISTING **FRAMER WINDOW BLINDS** DURING CONSTRUCTION BY SUITABLE METHODS TO THE APPROVAL OF THE LAND/ORDINANT AND THOROUGHLY CLEAN BLINDS UPON COMPLETION OF WORK. IF NO PRACTICAL MEANS OF PROTECTION CAN BE FOUND, THE CONTRACTOR SHALL REMOVE THE EXISTING BLINDS AND STORE WHERE DIRECTED AND REINSTALL WHEN CONSTRUCTION IS COMPLETE.

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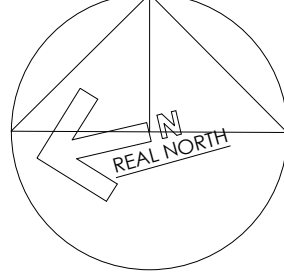
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GENERAL NOTES

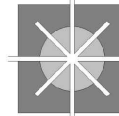
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- DO NOT SCALE DRAWINGS.

CONSTRUCTION NORTH

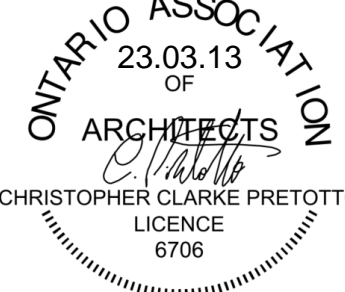


IN ASSOCIATION WITH:

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ARCHITECTURE



80-8841 GEORGE ROAD, SCARBOROUGH, ONTARIO, CANADA  
1-800-387-1111



no. date by description

REVISIONS

03 10NOV23 JL RE-ISSUE FOR TENDER

02 13MAR23 JL ISSUED FOR PERMIT & TENDER

01 22FEB2023 JL ISSUED FOR 100% REVIEW

no. date by description

ISSUED

CLIENT



project title

YORK REGION  
PARAMEDIC RESPONSE STATION  
12825 KEELE STREET  
KING CITY, ON. L7B 1H7

drawing title

DEMOLITION PLAN  
MAIN LEVEL

date

DEC2022

project no.

22.017

drawn by

JL

cod file:

22.017\_ID.100\_DEMO

checked by

CP

drawing no.

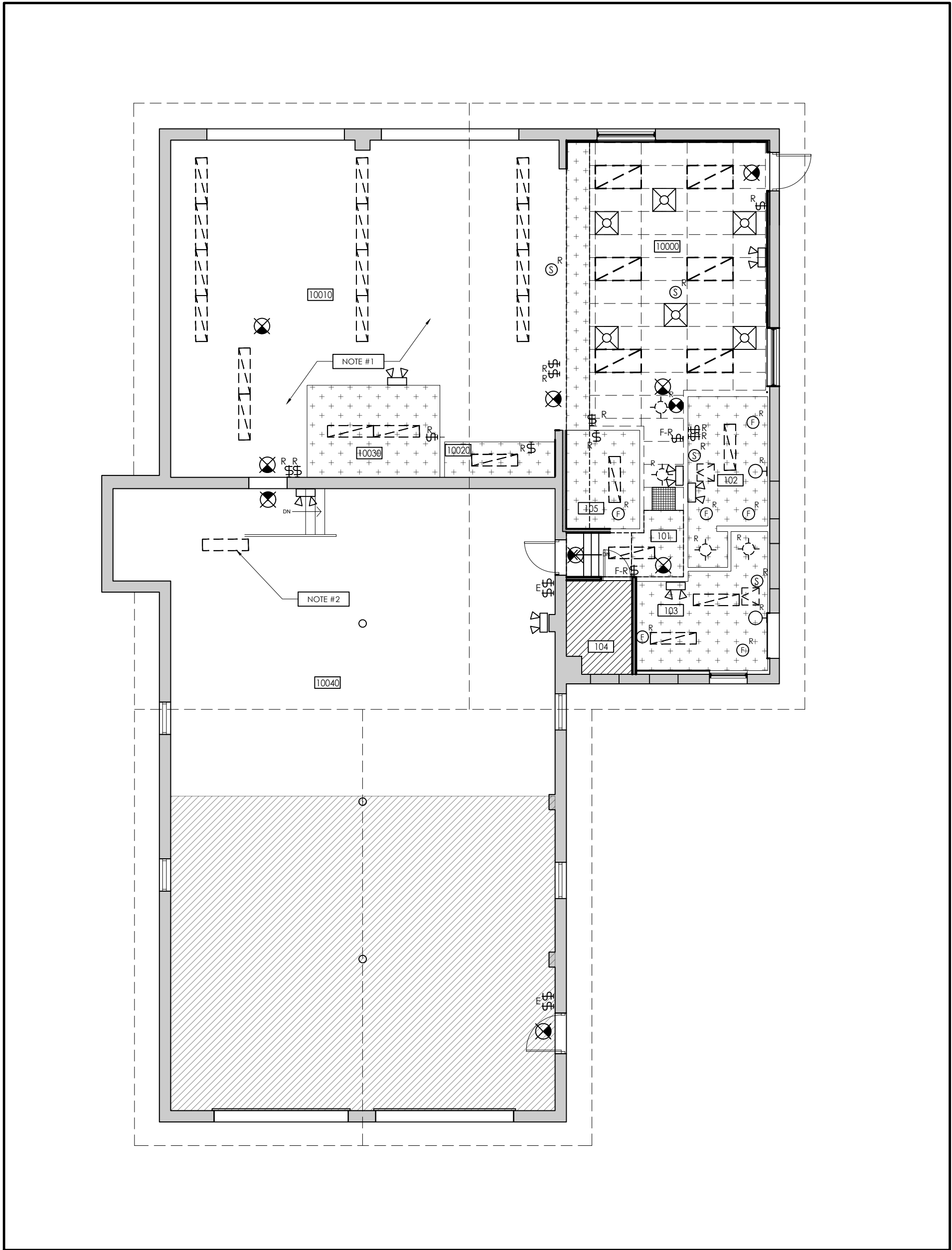
ID.100

scale

1:100

ID.100





1  
ID.100.1  
CEILING DEMOLITION PLAN  
1:100 = 1'-0"

#### CEILING DEMOLITION LEGEND

SYMBOL	DESCRIPTION
	EXISTING BASE GARAGE STANDARD LUMINAIRES TO REMAIN. YORK REGION TO REPLACE AS PART OF FACILITY MAINTENANCE PROGRAM.
	EXISTING BASE BUILDING STANDARD SUSPENDED AND SURFACE MOUNTED FLUORESCENT LIGHT FIXTURES TO BE REMOVED.
	EXISTING BASE BUILDING STANDARD SUSPENDED LED LIGHT FIXTURES (NEWLY INSTALLED) TO BE ADJUSTED TO SUIT NEW LAYOUT.
	EXISTING BASE BUILDING STANDARD T-BAR MOUNTED FLUORESCENT 2' X 4' LIGHT FIXTURES TO BE REMOVED.
	EXISTING RECESSED FLUORESCENT POT LIGHT (WITHIN T-BAR CEILING AND SHOWER: GWS CEILING LIGHT FIXTURES TO BE REMOVED.
	EXISTING FLUORESCENT WALL SCONCE LIGHT FIXTURE TO BE REMOVED.
	EXISTING T-BAR CEILINGS TO BE REMOVED. (HEIGHT: APPROX. 2723 MM (9'-0") +/-).
	EXISTING GYPSUM WALL BOARD CEILINGS/BULHEADS TO BE REMOVED. HEIGHTS VARY. W/C: APPROX. 2438 MM (8'-0") +/-; BULHEAD: APPROX. 2517 MM (8'-3") +/-; EXISTING MED STORAGE: APPROX. 2801 MM (9'-3") +/-.
	DENOTES EXISTING LIGHT SWITCH TO REMAIN. REFER TO ENG. DRAWINGS FOR FURTHER DETAILS.
	DENOTES EXISTING LIGHT SWITCH TO BE REMOVED. REFER TO ENG. DRAWINGS FOR FURTHER DETAILS.
	DENOTES EXISTING EXHAUST FAN SWITCH TO BE REMOVED. REFER TO ENG. DRAWINGS FOR FURTHER DETAILS.
	DENOTES EXISTING BACK-UP EMERGENCY LIGHTING TO BE REMOVED. REFER TO ENG. DRAWINGS FOR FURTHER DETAILS.
	DENOTES EXISTING EXIT SIGN TO BE REMOVED AND/OR REPLACED WITH NEW STANDARDS. REFER TO ENG. DRAWINGS FOR FURTHER DETAILS.
	DENOTES EXISTING SMOKE DETECTOR TO BE REMOVED AND/OR REPLACED IN NEW LOCATION. REFER TO ENG. DRAWINGS FOR FURTHER DETAILS.
	DENOTES EXISTING SPEAKER TO BE REMOVED. NEW TO BE PROVIDED AS PER NEW LAYOUT. REFER TO ENG. DRAWINGS FOR FURTHER DETAILS.
	DENOTES EXISTING EXHAUST FAN TO BE REMOVED. NEW TO BE PROVIDED AS PER NEW LAYOUT. REFER TO ENG. DRAWINGS FOR FURTHER DETAILS.
	DENOTES EXISTING CEILING HATCH TO BE REMOVED. NEW TO BE PROVIDED AS PER NEW LAYOUT. REFER TO ENG. DRAWINGS FOR FURTHER DETAILS.
	EXISTING AIR SUPPLY DIFFUSER TO BE REMOVED. (REFER TO ENGINEERING DRAWINGS FOR FURTHER DETAILS)
	EXISTING AIR RETURN TO BE REMOVED. (REFER TO ENGINEERING DRAWINGS FOR FURTHER DETAILS)
	REFER TO ENGINEERS' DEMO. DRAWING FOR ADDITIONAL MECHANICAL AND ELECTRICAL CEILING ITEMS TO BE REMOVED.
	REFER TO ENGINEERS' DEMO. DRAWING FOR FOR LIGHTING IN GARAGE TO BE REMOVED.
	AREA NOT IN CONTRACT (NIC)

#### DEMOLITION NOTES

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAKE GOOD ALL AREAS AFFECTED BY DEMOLITION.
- DEMOLITION AND NEW CONSTRUCTION SHALL BE DONE IN PHASES AS REQUIRED. DURING EACH PHASE, THE AREA UNDER CONSTRUCTION SHALL BE COMPLETELY SEALED OFF.
- THE CONTRACTOR SHALL SALVAGE ALL ELEMENTS OF THE BASE BUILDING, SUCH AS (BUT NOT LIMITED TO) CEILING COMPONENTS, LIGHT FIXTURES, SPEAKERS, ETC. ALL ELEMENTS REMAIN THE PROPERTY OF AND SHALL BE TURNED OVER TO THE LANDOWNER/CLIENT AND STORED WHERE DIRECTED UNLESS SCHEDULED FOR REUSE AND/OR SHOWN TO BE REMOVED AND RELOCATED UNDER THIS CONTRACT.
- ALL DEBRIS AND MATERIALS RESULTING FROM THE DEMOLITION AND NOT CLAIMED BY THE OWNER SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE PREMISES AND BE LEGALLY DISPOSED OF.
- DISCONNECT ALL ELECTRICAL SERVICES FROM PARTITIONS TO BE DEMOLISHED AND CAP ABOVE CEILING HEIGHT.
- IN CEILINGS BEING REMOVED, ELECTRICAL OUTLETS, CONDUIT, ETC. ARE TO BE REMOVED BACK TO FIRST JUNCTION BOX AND TERMINATED OR AS DIRECTED BY ELECTRICAL DRAWINGS / SPECIFICATIONS. REFER TO CONSULTANT ENGINEERS' DRAWINGS.
- EXISTING CEILING TILES & FIXTURES TO BE REMOVED, ALSO, REFER TO CEILING PLAN ID.102.
- CONFIRM THAT DEMOLITION DRAWINGS ACCURATELY REFLECT THE EXTENT OF ABOVE CEILING GWS BATTING TO BE REMOVED AND REMOVE ANY REDUNDANT BATTLES ABOVE THE CEILING.
- THROUGHOUT THE ENTIRE CONSTRUCTION PERIOD PROPER AND SAFE MEANS OF FIRE EXIT SHALL BE PROVIDED FROM ALL ZONES OF THE BUILDING AT ALL TIMES TO THE APPROVAL OF THE AUTHORITIES HAVING JURISDICTION.

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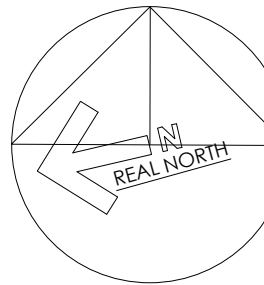
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#### GENERAL NOTES

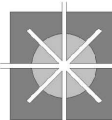
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- ALL MEASUREMENTS MUST BE VERIFIED ON SITE BY CONTRACTOR AND REPORT ANY DISCREPANCIES TO SQUARED IN INC. BEFORE PROCEEDING WITH THE WORK.
- DO NOT SCALE DRAWINGS.

#### CONSTRUCTION NORTH



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no. date by description

#### REVISIONS


03	10NOV23	JL	RE-ISSUE FOR TENDER
02	13MAR23	JL	ISSUED FOR PERMIT & TENDER
01	22FEB2023	JL	ISSUED FOR 100% REVIEW

no. date by description

#### ISSUED

#### CLIENT



#### Project title

YORK REGION  
PARAMEDIC RESPONSE STATION  
12825 KEELE STREET  
KING CITY, ON. L7B 1H7

#### drawing title

DEMOLITION PLAN  
MAIN LEVEL

date DEC2022	project no. 22.017
drawn by JL	cod file: 22.017_ID.100_DEMO
checked by CP	drawing no.
scale 1:100	ID.100



1 PARTITION PLAN  
D.101 1:100 = 1'-0"

2 OBC DOOR CLEARANCE STANDARDS  
D.101 N.T.S.

## PARTITION LEGEND

SYMBOL	DESCRIPTION
	DENOTES EXISTING BUILDING PARTITION TO REMAIN
	DENOTES EXISTING INTERIOR PARTITION TO REMAIN
	NEW (EXTERIOR WALL) PARTITION ASSEMBLY "P1" REFER TO ARCHITECTURAL AND STRUCTURAL ENGINEER DRAWINGS FOR DETAILS. TO MATCH EXISTING/ ADJACENT EXTERIOR ASSEMBLY.
	NEW PARTITION ASSEMBLY "P2" - 3/8" METAL STUDS AT 16" O.C. - SOUND ATTENUATION - ONE LAYER 5/8" GYPSUM (IMPACT RESISTANCE) WALLBOARD EACH SIDE - ONE LAYER 1/2" GYPSUM TRUSS (FULL HEIGHT) - ACoustical SEALANT AT TOP AND BOTTOM JUNCTIONS - ADD DEFLECTION BRACK AT TOP - CUT 1" SHORT AT JUNCTIONS
	NEW WOOD RESISTANT GWN AT WFT LOCATIONS NEW PARTITION ASSEMBLY "P3" (FURRING AT EXTERIOR WALLS TO ACHIEVE R-RATING REQUIRED) - 2 1/2" METAL STUDS AT 16" O.C. - INSULATION (PER WFT WORK ARCHITECT) - ONE LAYER 5/8" GYPSUM (IMPACT RESISTANCE) WALLBOARD EACH SIDE - SLAB TO TOP OF WOOD TRUSS (FULL HEIGHT)
	NEW CONCRETE BLOCK PARTITION ASSEMBLY "P4" NEW OPTION FOR FULL HEIGHT VERSUS PARTIAL WALLS (REFER ARCHITECTS SCHEDULES)
	NEW PARTITION ASSEMBLY "P5" - BUILD UP METAL STUDS AT 16" O.C. TO MATCH THICKNESS NEEDED TO ACHIEVE OVERALL WEIR (AS INDICATED ON PLANS) - SOUND ATTENUATION - ONE LAYER 5/8" GYPSUM (IMPACT RESISTANCE) WALLBOARD EACH SIDE - SLAB TO TOP OF WOOD TRUSS (FULL HEIGHT) - ACoustical SEALANT AT TOP AND BOTTOM JUNCTIONS - ADD DEFLECTION BRACK AT TOP - CUT 1" SHORT AT JUNCTIONS
	NEW MILLWORK REFER TO MILLWORK DRAWINGS AS INDICATED ON PLANS CONTRACTOR TO PROVIDE BLOCKING, AS REQUIRED.
	EXISTING DOOR & SWING TO REMAIN. NEW FINISHES AND/OR HARDWARE MAY APPLY. REFER TO DOOR SCHEDULE FOR FURTHER DETAILS.
	NEW DOOR & SWINGS REFER TO DOOR SCHEDULE E-107 FOR DETAILS ON INTERIOR DOORS & ARCHITECTS DOOR SCHEDULE FOR RATED OR HARDWARE DOOR. NOTE: SEE DETAIL 210.101 FOR OBC DOOR CLEARANCE STANDARDS
	NEW SLIDER DOOR REFER TO DOOR SCHEDULE E-107 FOR DETAILS ON INTERIOR DOORS. NOTE: SEE DETAIL 210.101 FOR OBC DOOR CLEARANCE STANDARDS
	EXISTING GLAZING ASSEMBLY TO REMAIN WHERE INDICATED
	NEW GLAZING ASSEMBLY REFER TO ARCHITECTS SCREENS SCHEDULE FOR DETAIL ON EXTERIOR WINDOWS
	NOTE #1 REFER TO ARCHITECT AND STRUCTURAL ENGINEER DRAWINGS FOR DETAILS. ELEVATION, TYPE AND PLACEMENT FOR NEW OPENINGS, DOORS AND WINDOWS.
	NOTE #2 REFER TO STRUCTURAL ENGINEER DRAWINGS NEW OPENING IN EXISTING STRUCTURAL SUPPORT WALL. MAXIMIZE LARGEST SPAN. ADD SUPPORT AT PLAN NORTH END IF NEEDED.
	NOTE #3 WHERE EXISTING WALLS MEET NEW CONSTRUCTION, PATCH TO ENSURE A CONTINUOUS FINISH.
	NOTE #4 REFER TO ARCHITECT AND STRUCTURAL ENGINEER DRAWINGS FOR STAIR DETAILS AND SUPPORT.
	NOTE #5 REFER TO ARCHITECT AND STRUCTURAL ENGINEER DRAWINGS FOR NEW ROLLOUT DETAILS AND SUPPORT AT NEW TASK STORAGE.
	NOTE #6 AS PER DEMO, PLAN. REVIEW COSTS FOR REMOVING EXISTING PANELING. ISOLATE COAST TO ALSO INCLUDE ALL PIPING FOR NEW FIXTURES VERSUS EXISTING PLUMBING.
	NOTE #7 EXISTING LOCKING TO BE UNLATCHED AND REPAIRED PRIOR TO INSTALLING NEW OBC ARCHITECT AND ENGINEER TO ADVISE.
	NOTE #8 REFER TO ARCHITECT AND STRUCTURAL ENGINEER DRAWINGS FOR DETAILS AROUND NEW EXTERIOR CONCRETE PAD AND FENCING.
	NOTE #9 NEW SOLID SUCTION WINDOW SLIPS (2 NEW LOCATIONS) THREE (3) EXISTING LOCATIONS. REMOVE EXISTING FINISH AND REPLACE (IN PLACE) WITH SS1
	NOTE #10 BUILD FACE WALL AROUND OR POSTED WINDOW. ENOUGH TO CLEAR GRAB BAR SUPPORT AND FINISH ACCORDINGLY. GC TO PROVIDE OPTIONS FOR DESIGNER REVIEW.
	NOTE #11 PROVIDE NECESSARY BLOCKING WITH DOOR HEADER FOR SLIDER/ BARN MOUNTING HARDWARE/ SUPPORT
	NOTE #12 PROVIDE NECESSARY BLOCKING FOR WALL MOUNTED SCREEN. (IN ADDITION TO ALL OTHER MILLWORK LOCATIONS)
	AFF ABOVE FINISHED FLOOR
	CCD CRITICAL CLEAR DIMENSION
	AREA NOT IN CONTRACT (N/C)

## PARTITION NOTES

2. REFER TO GENERAL NOTES.
3. THE CONTRACTOR IS TO READ CEILING PLAN (DRAWING 01.102) IN CONJUNCTION WITH PARTITION PLAN TO ESTABLISH EXACT LOCATION OF PARTITIONS.
4. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL CONSTRUCTION SPECIFICATIONS AND DOCUMENTS.
5. REFER TO ELECTRICAL & MECHANICAL ENGINEERS' DRAWINGS FOR FURTHER SPECIFICATIONS. DISCREPANCIES BETWEEN THE DESIGNER'S AND ENGINEER'S DRAWINGS ARE TO BE REPORTED TO THE DESIGNER.
6. **APPLICATION FOR ALL PARTIES ARE TO BE BY CONTRACTOR/ PROJECT MANAGER AND COSTS TO BE INCLUDED IN PERMITS. CONFIRM W/ YORK REGION**
7. THE CONTRACTOR IS TO COORDINATE WITH THE TENANT'S CABLING CONSULTANTS.
8. **THE CONTRACTOR IS TO CHECK ALL SITE CONDITIONS PRIOR TO SUBMITTING QUOTATION. REFER VARYING OFF WITH YORK REGION**
9. THE CONTRACTOR IS TO VERIFY ALL JOB DIMENSIONS, ALL DRAWING DETAILS, ALL SCHEDULES, AND ALL SPECIFICATIONS TO BE REMOVED OR TERMINATED IN ACCORDANCE WITH ALL APPLICABLE BY-LAWS.
10. FINAL CLEANING SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL GLAZING AND CEILING. PROFESSIONAL STEAM CLEAN OF CARPET AND WAXING OF HARD SURFACES.
11. PRIOR TO FABRICATION AND ORDERING OF MATERIALS, THE CONTRACTOR IS TO SUBMIT SHOP DRAWINGS TO THE DESIGNER FOR APPROVAL OF ALL MILLWORK ITEMS.
12. **ALL PARTITIONS ARE TO BE MARKED ON THE FLOOR AND APPROVED BY DESIGNER PRIOR TO INSTALLATION OF STUDS.**
13. ANY WIRING (SWITCHES, THERMOSTAT, TELEPHONE, ELECTRICAL, CORD RECEPTACLE ETC) EXISTING IN PARTITIONS IS TO BE REMOVED, TO BE REMOVED OR TERMINATED IN ACCORDANCE WITH ALL APPLICABLE BY-LAWS.
14. THE CONTRACTOR IS TO MAKE GOOD ALL FLOORS, BASES, WALLS, COLUMNS AND CEILING EXISTING IN PARTITIONS TO BE REMOVED, TO BE REMOVED OR TERMINATED IN ACCORDANCE WITH ALL APPLICABLE BY-LAWS.
15. **WHERE NEW WORK CONNECTS WITH EXISTING AND/ OR WHERE EXISTING WORK IS ALTERED: ENSURE NECESSARY CUTTING, FITTING AND REIN IS REQUIRED TO BE IN PLACE AND PERFORMANCE OF THE WORK SHALL BE APPROVED BY DESIGNER.**
16. **PROVIDE WOOD BLOCKING WHERE NECESSARY WITH PARTITIONS AND WITHIN CEILING SPACE WHEREVER SHELVING, CABINETS OR WALL AND CEILING FUTURES MAY GO.**
17. EXISTING COLUMNS AND CORE PARTITIONS ARE TO BE MADE GOOD TO RECEIVE STUDS. THEREFORE, THE CONTRACTOR IS TO VISIT TO EVALUATE THE TYPE OF WORK PRIOR TO HIS SUBMISSION.
18. THE CONTRACTOR IS TO CONSULT WITH MECHANICAL CONSULTANT TO ENSURE SUFFICIENT SPACE FOR MECHANICAL EQUIPMENT WITHIN THE CORE PARTITIONS AND NEW PARTITIONS AND CEILING ARE ERECTED AND INSTALLED.
19. SOUND ATTENUATION SLAB IN PARTITIONS TO BE CONTINUOUS BEHIND ALL POWER AND DATA CONDUITS FOR PARTITIONS AND ALL CORE PARTITIONS/ WINDOW HEADS WITHOUT INTERRUPTION TO PREVENT SOUND TRANSMISSION.
20. MAINTAIN CONTINUOUS SOUND ATTENUATION AT PERIMETER CONVECTOR UNIT CAPVITIES AND AT SOUND ATTENUATED PARTITION CONNECTIONS.
21. COMPLETE INSTALLATION TO BE SMOOTH, LEVEL OR FLUSH, FREE FROM WAVES AND CRACKS AND TO BE READY FOR FINISHING, PAINTING, FILL AND SAND AS REQUIRED.
22. ALL WOOD SOLIDS AND VENEERS TO BE FIRE TREATED AS NECESSARY TO MEET BUILDING CODE REQUIREMENTS.
23. ALL EXPOSED EDGES OF GWS TO BE TRIMMED WITH A 3/8" OR CORNER BEAD OR FINISH TRIM TO BE MATCHED TO THE EXISTING TRIM.
24. DO NOT APPLY GWS UNTIL BOLTS, ANCHORS AND BOLTING, ELECTRICAL AND MECHANICAL WORK HAVE BEEN INSPECTED AND APPROVED BY DESIGNER.
25. MAINTAIN REQUIRED FIRE RATING AROUND MECHANICAL AND ELECTRICAL EQUIPMENT AND OTHER NEIGHBORING.
26. ERECT ACCESSORIES STRAPS, PLUMB OR LEVEL RIGS AND AT THE PROPER PLANE.
27. PARTITIONS NOT DIMENSIONED ARE TO BE TYPICALLY LOCATED ON THE CENTER OF THE EXISTING PARTITION AND TO BE TYPICALLY 48" WIDE.
28. ENSURE THAT ALL OPENINGS FOR GLAZING ARE SQUARE AND SOLID FOR RECEIVING GLASS OR GLAZING FRAMES.
29. WHERE EXISTING PARTITIONS ARE TO BE PAINTED AND/OR RECEIVE NEW FINISHES, THE CONTRACTOR IS TO PROVIDE PROTECTIVE WAXING AND FINISH SPECIFICATIONS.
30. PROVIDE DOUBLE SOLED FORM ACoustICAL TIE OR GASKET WHERE PARTITIONS MEET WITH CORE WALLS, COLUMNS, CONVECTORS, CORNERS, SLAB AND CEILING.
31. ALL DOORS TO BE A- FLY AWAY FROM PARTITIONS ON HINGED SIDE OF DOOR UNLESS OTHERWISE NOTED.
32. UNDER DOORS TO ALLOW FOR 1/8" CLEARANCE ABOVE FINISHED FLOOR WHERE REQUIRED.
33. WHERE STRUCTURAL MEMBERS PENETRATE FLIGHT PARTITIONS, PROVIDE ACoustICAL SEAL AND FINISH OPENING TO BE APPROVED BY DESIGNER.
34. **ALL PARTITIONS IN NEW AREAS IS TO BE CONSTRUCTED WITH WATER RESISTANT GWS AND FINISHES TO BE IN ACCORDANCE WITH ALL SPECIFICATIONS.**
35. WHERE PLUMBING IS REMOVED, ALL WATER SUPPLY PIPES AND DRAINS MUST BE REMOVED FROM CEILING SPACE BACK TO RISER AND CAPPED OFF.
36. PLUMBING FUTURES TO BE AS SPECIFIED WITH THE REQUIRED SUPPORT, ACCESSORIES, AND FINISHES TO BE IN ACCORDANCE WITH ALL SPECIFICATIONS.
37. REFER TO DRAWING 01.103 FOR LOCATIONS OF NEW UTILITIES AND CONDUITS, ALLOW FOR CUTTING AND PATCHING OF ON EXISTING PERIMETER WALLS.
38. REFER TO DRAWING 01.104 FOR WALL BASE DETAILS.

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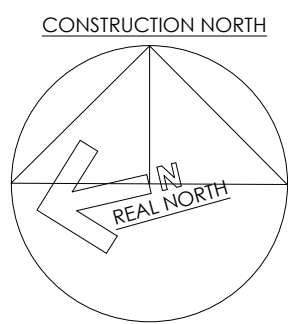
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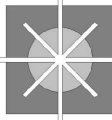
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- DO NOT SCALE DRAWINGS.



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no.	date	by	description
REVISIONS			

## REVISION


03	10NOV23	JL	RE-ISSUE FOR TENDER
02	13MAR23	JL	ISSUED FOR PERMIT & TENDER
01	22FEB2023	JL	ISSUED FOR 100% REVIEW
no.	date	by	description

## ISSUED

CLIENT



project title

**YORK REGION**  
**PARAMEDIC RESPONSE STATION**  
**12825 KEELE STREET**  
**KING CITY, ON. L7B 1H7**

drawing title

# PARTITION PLAN MAIN LEVEL

date <b>DEC2022</b>	project no. <b>22.017</b>
drawn by <b>JL</b>	cad file: <b>22.017_ID.101_PART</b>
checked by <b>CP</b>	drawing no.
scale <b>1:100</b>	<b>ID.101</b>





1  
ID.102 REFLECTED CEILING PLAN  
1:100 = 1'-0"

CEILING LEGEND

SYMBOL	DESCRIPTION
<b>EXISTING CEILING ELEMENT HEIGHTS:</b> <ul style="list-style-type: none"><li>- U/S OF WOOD CEILING = 3450 MM (11'-4" +/-)</li><li>- U/S OF WOOD JOISTS = 3140 MM (10'-4" +/-)</li><li>- U/S OF WOOD STRUCTURAL BEAM = 2919 MM (9'-7" +/-)</li><li>- U/S OF EXISTING BULKHEAD = 2517 MM (8'-3" +/-)</li><li>- U/S OF EXISTING GARAGE CEILING = 3559 MM (12'-4" +/-)</li></ul>	
	<b>EXISTING GWB CEILING</b> GARAGE AREA CEILINGS TO REMAIN
	<b>SUSPENDED 1-BAR CEILING</b> 610 MM x 1219 MM (2'4" NEW GRID AND TILE (WHITE) CEILING HEIGHT: 9'-0" AFF (UNLESS NOTED OTHERWISE) SPEC: YORK REGION STANDARD SIMILAR TO: CCCC - MARS - BBBS WITH DX GRID WHITE, SQUARE EDGE, 24" x 48"
	<b>NEW GWB CEILING</b> CEILING HEIGHT: (9'-0" +/-) AFF IN WET AREAS: DENS SHIELD BOARD TO BE USED NOTE: ADD ACCESS HATCH LOCATIONS AS NEEDED
	<b>EXISTING GWB BULKHEAD</b> EXISTING GWB BULKHEAD/ CEILING TO REMAIN. ALL OTHER BULKHEADS TO BE REMOVED (REFER TO DEMO CEILING PLAN) REVIEW MECHANICAL DRAWINGS FOR NEW DUCT LOCATIONS.
	<b>TYPE A - LED PANEL FIXTURE (1-BAR CEILING)</b> MANUFACTURER: LITELINE SERIES/TYPE: FORUM LED PANEL LIGHT SIZE: 2'x4' LAMP/ COLOUR TEMPERATURE: LED, 120V, 0-10 DIMMING /4000K LUMENS: 4000 LUMENS (MAX 50 WATTS) SPEC: LEDSP-24x48-50-1 OR EQUIVALENT
	<b>TYPE B - NEW SURFACE MOUNTED FIXTURE</b> MANUFACTURER: LITELINE SERIES/TYPE: FORUM LED PANEL SIZE: 1'x4' LAMP/ COLOUR TEMPERATURE: LED, 120V /4000K NOTE: SEE ENGINEER'S DRAWINGS FOR DETAILS
	<b>TYPE C - NEW RECESSED LED DOWN LIGHT</b> MANUFACTURER: SILVANIA SERIES: ULTRA LED FTS TYPE: RECESSED DOWNLIGHT KIT TRIM COLOUR/SIZE: WHITE /6" LAMP: LED - 4000K NOTE: SEE ENGINEER'S DRAWINGS FOR DETAILS
	<b>TYPE D - NEW WALL MOUNTED LIGHT FIXTURE (WASHROOM VANITY)</b> MANUFACTURER: STANPRO SERIES: LED WALL SCONCE LINEAR 24" WIDE (BRUSHED NICKEL) LAMP: 400K / 20W MOUNTING HEIGHT: 6'-9" (2037 MM) AFF NOTE: SEE ENGINEER'S DRAWINGS FOR DETAILS
	<b>TYPE E - EXISTING LED SUSPENDED FIXTURE TO REMAIN/ ADJUSTED</b> MANUFACTURER: STANPRO SERIES/TYPE: 120V - LED STRIP SIZE: 48" LENGTH LAMP/ COLOUR TEMPERATURE: LED, 120V /4000K TO MATCH (REPLACE AS NEEDED)
	<b>TYPE G - LED UNDER CABINET/UNDER SHELF LIGHTING</b> MANUFACTURER: LITELINE or LUMINI BODICA (OR EQUAL) TYPE: LED BAR UNDER CABINET/MILLWORK (LED TAPE LIGHT WITH EXTRUSION & LENS) USE WET-RATED FOR KITCHEN AREA SIZE: LENGTH TO EXTEND UNDER WIDTH OF UPPER CABINETS LAMP: 4000K NOTE: TO BE HARDWIRED TO WALL SWITCH (SEE ENGINEER'S DRAWINGS)
	<b>TYPE W - RECESSED LED SHOWER LIGHT (GWB CEILING)</b> MANUFACTURER: SILVANIA (SIMILAR AS TYPE C) SERIES: SHOWER LIGHT TRIM COLOUR/SIZE: WHITE /6" LAMP: 4000K NOTE: SEE ENGINEER'S DRAWINGS FOR DETAILS
	SINGLE POLE SWITCH, MOUNTED 44" AFF
	DOUBLE POLE SWITCH, MOUNTED 44" AFF (3-THREE WAY, 4-FOUR WAY, ETC.)
	DRAWER SWITCH, MOUNTED 44" AFF
	OCCUPANCY SENSOR, MOUNTED 44" AFF
	FAN SWITCH, MOUNTED 44" AFF
	NEW CEILING MOUNTED EXIT LIGHT (REFER TO ENGINEERING DRAWINGS FOR LOCATIONS & SPECIFICATION)
	CEILING MOUNTED SPEAKER (REFER TO ENGINEERING DRAWINGS FOR LOCATIONS & SPECIFICATION)
	SMOKE DETECTOR (REFER TO ENGINEERING DRAWINGS FOR LOCATIONS & SPECIFICATION)
	EXHAUST FAN (REFER TO ENGINEERING DRAWINGS FOR LOCATIONS & SPECIFICATION)
	AIR SUPPLY DIFFUSER (REFER TO ENGINEERING DRAWINGS FOR SPECIFICATION ON DEMOLITION/RELOCATION AND NEW INSTALLATION)
	AIR RETURN (REFER TO ENGINEERING DRAWINGS FOR SPECIFICATIONS ON DEMOLITION/RELOCATION AND NEW INSTALLATION)

CEILING NOTES

1. REFER TO GENERAL NOTES.
2. REFER TO POWER AND COMMUNICATION LEGEND AND NOTES.
3. CEILING HEIGHT: 2743 MM 9'-0" A.F.F., UNLESS INDICATED OTHERWISE.
4. MECHANICAL AND ELECTRICAL CONSULTANTS TO EXAMINE SITE BEFORE PROCEEDING WITH THE NECESSARY DRAWINGS.
5. ELECTRICAL ENGINEERING CONSULTANT IS RESPONSIBLE FOR CALCULATING AND SPECIFYING THE APPROPRIATE LIGHT LEVELS FOR THE DESIGN OF THE SPACE IN ACCORDANCE WITH THE LOCAL BUILDING CODE.
6. THE CONTRACTOR SHALL USE THIS DRAWING FOR THE LOCATION OF FIXTURES AND FITTINGS AND INCLUDE ITEMS AS MECHANICAL CONSULTANT DRAWINGS AND SPECIFICATIONS FOR TECHNICAL INFORMATION INCLUDING: CIRCUITRY, POWER REQUIREMENTS, MOUNT LIGHTS, EMERGENCY LIGHTING, AND FIRE PROTECTION EQUIPMENT AS REQUIRED BY THE LOCAL BUILDING CODE.
7. EXCEPT FOR LOCATION OF FIXTURES, SUCH AS LIGHTING, POWER & COMMUNICATION OUTLETS, ELECTRICAL AND MECHANICAL CONSULTANTS' PLANS SHALL GOVERN.
8. THE CONSULTING ENGINEER AND CONTRACTOR SHALL INCLUDE ITEMS OR FIXTURES AS CALLED FOR BY NAME, NUMBER AND MANUFACTURER ON THE SOIN DRAWINGS. APPROVAL IS REQUIRED BY THE DESIGNER BEFORE PROCEEDING WITH A CHANGE IN SPECIFICATION.
9. THE CONTRACTOR SHALL INCLUDE CUTTING AND REPAIRING OF CEILING TILES AND GWB TO ALLOW FOR DESIGNATED MECHANICAL OR ELECTRICAL WORK.
10. CONTRACTOR TO SUPPLY ADDITIONAL NEW CEILING TILES.
11. THE CONTRACTOR IS TO CONFIRM WITH MECHANICAL CONSULTANT TO ENSURE READY ACCESS FOR MAINTENANCE OF EXISTING AND / OR NEW MECHANICAL UNITS BEFORE NEW PARTITIONS AND CEILINGS ARE RETALLED.
12. ALL LOCATIONS OF SPRINKLERS, SPEAKERS, DIFFUSERS, RETURN AIR GRILLES, ACCESS PANELS TO BE REVIEWED AND APPROVED BY THE SOIN DESIGNER BEFORE INSTALLATION.
13. CONTRACTOR TO INCLUDE FIRE DAMPERS FOR ALL RELOCATED AND/OR NEW LIGHT FIXTURES. DIFFUSERS AND RETURN AIR GRILLES TO CONFORM WITH ALL FIRE AND LOCAL BUILDING CODES (FOR PROJECTS WHERE APPLICABLE).
14. WHERE FIXTURES PENETRATE A FIRE RATED CEILING, THEY SHALL BE ENCLOSED WITH A SUITABLE FIRE RATED ENCLOSURE ABOVE THE CEILING AND MATCH THE FIRE RATED ASSEMBLY REQUIRED BY THE LOCAL BUILDING CODE REQUIREMENTS.
15. EXISTING LIGHT FIXTURES INCLUDING OHES DENOTED TO BE REMOVED AND RELOCATED SHALL BE CLEANED, INSPECTED FOR PROPER OPERATION, REPAIRED AND RE-LAMP AS NECESSARY TO MAKE FULLY FUNCTIONAL PRIOR TO BEING PUT BACK INTO SERVICE. REPLACE ALL DAMAGED LENSES AS NECESSARY.
16. THE CONTRACTOR IS TO PROVIDE EMERGENCY AND EXIT LIGHTS AS REQUIRED BY THE LOCAL BUILDING CODE REQUIREMENTS. REFER TO ELECTRICAL CONSULTANTS DRAWINGS FOR LOCATION AND SPECIFICATIONS.
17. THE GENERAL CONTRACTOR IS TO INCLUDE ALL ELECTRICAL REQUIREMENTS FOR ALL MECHANICAL WORK.
18. FOR CEILING HUNG ELEMENTS, CONTRACTOR SHALL PROVIDE ADEQUATE STRUCTURAL BLOCKING AND FRAMING WITHIN THE CEILING CAVITY TO ENSURE SAFETY AND STABILITY OF INSTALLED ITEM.
19. UNLESS OTHERWISE INDICATED WITH DIMENSIONS, ALL POT LIGHTS AND WALL WASHERS SHALL BE LOCATED AT CENTER OF CEILING TILES OR GWB BULKHEAD.
20. **ALL GWB CEILING IN WET AREAS SHALL BE CONSTRUCTED WITH WATER RESISTANT GWB AND WATERPROOFING TREATMENTS TO CONTRACTOR'S SPECIFICATION.**
21. UNLESS OTHERWISE SPECIFIED AS SWITCHES WITH INDIVIDUAL CONTROL SWITCHES AND CIRCUITS, ALL LIGHT FIXTURES SHALL BE CONTROLLED FROM BASE BUILDING CONTROL SWITCHES.
22. ALL SWITCHES INDICATE LOCATION ONLY. REFER TO ELECTRICAL CONSULTANTS DRAWINGS FOR CIRCUITRY OF SWITCHES AND RELATED SPECIFICATIONS.
23. ALL EXISTING EXPOSED BULKHEADS AND / OR DUCTS NOT BEING USED FOR MECHANICAL OR ELECTRICAL SERVICES SHALL BE REMOVED WHERE INDICATED.
24. THE CONTRACTOR IS TO ARRANGE AND COORDINATE ALL TEMPORARY SHUTDOWNS AS REQUIRED WITH THE LANDLORD AND/OR TENANT.
25. THE CONTRACTOR IS TO PROVIDE ZONE CONDUIT IN THE CEILINGS AND WALLS FOR POWER AND COMMUNICATION CABLES IN ACCORDANCE WITH THE LOCAL BUILDING CODE REQUIREMENTS.
26. ELECTRICAL CONSULTANT TO SPECIFY A MINIMUM QUANTITY AND SIZE FOR ALL ACCESS PANELS.
27. ANY DISCREPANCIES BETWEEN DESIGN AND ENGINEERING DRAWINGS TO BE REPORTED TO DESIGNER IMMEDIATELY.

ADDITIONAL CEILING NOTES

SYMBOL	DESCRIPTION
	REVIEW SWITCHING IN GARAGE AREA, YORK REGION TO CONFIRM USED/NEED.
	REVIEW CEILING OPTIONS FOR NEW PORTION OF THE MEDICAL STORAGE ROOM. (FULL HEIGHT OF GARAGE OR CEILING CEILING LED WITH GARAGE SPACE TO ACCOMMODATE THE 9'-0" CEILING HEIGHT.
	EXISTING UNTEL TO BE REMOVED FOR A CONTINUOUS CEILING WITHIN NEW MEDICAL STORAGE ROOM. REVIEW STRUCTURAL ENGINEER FOR DETAILS
	EXISTING CEILING IS LAYERED WITH PLYWOOD. REVIEW OPTIONS FOR NEW CEILING TYPE TO MATCH NEW PORTION OF THE ROOM.
	EXISTING BULKHEADS TO BE REMOVED FOR A CONTINUOUS GRID (APPROX. 406 MM (1'-4") BETWEEN U/S OF WOOD JOISTS AND 1-BAR CEILING FOR ALL DUCTING
	EXISTING CEILING IN MECH/ELEC ROOM TO BE REVIEWED (IF ALL CAN REMAIN AS IS, OR MODIFICATIONS TO BE MADE)
	CONSULT DRAWINGS ID.100.1 CEILING DEMO. PLAN FOR EXISTING CEILING/ LIGHTING TO BE MAINTAINED VERSES NEW.
	1-BAR CEILING HEIGHT TO BE DROPPED ONLY IN AREAS 110 & 112 TO CLEAR MECHANICAL BRV UNIT. GC TO INSTALL 1-BAR CEILING TIGHT TO UNDERSIDE OF UNIT, WHILE STILL ALLOWING FOR NECESSARY ACCESS.
	AREA NOT IN CONTRACT (N/C)

squared in inc.

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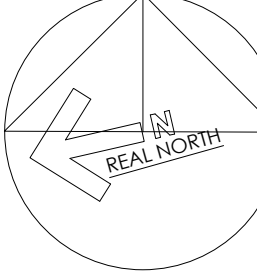
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- THIS DRAWING IS THE PROPERTY OF SQUARED IN INC. AND CANNOT BE REPRODUCED WITHOUT WRITTEN PERMISSION.
- ALL MEASUREMENTS MUST BE VERIFIED ON SITE BY CONTRACTOR AND REPORT ANY DISCREPANCIES TO SQUARED IN INC. BEFORE PROCEEDING WITH THE WORK.
- DO NOT SCALE DRAWINGS.

CONSTRUCTION NORTH



IN ASSOCIATION WITH:



no. date by description

REVISIONS

03	10NOV23	JL	RE-ISSUE FOR TENDER
02	13MAR23	JL	ISSUED FOR PERMIT & TENDER
01	22FEB2023	JL	ISSUED FOR 100% REVIEW

no. date by description

ISSUED

CLIENT



project title  
**YORK REGION  
PARAMEDIC RESPONSE STATION  
12825 KEELE STREET  
KING CITY, ON. L7B 1H7**

drawing title

CEILING PLAN  
MAIN LEVEL

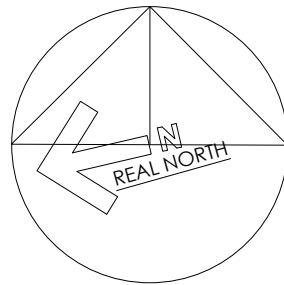
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drawn by <b>JL</b>	cod file: <b>22.017_ID.102_RCP</b>
checked by <b>CP</b>	drawing no.
scale <b>1:100</b>	<b>ID.102</b>



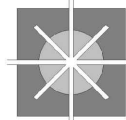
## GENERAL NOTES

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- ALL MEASUREMENTS MUST BE VERIFIED ON SITE BY CONTRACTOR AND REPORT ANY DISCREPANCIES TO SQUARED IN INC. BEFORE PROCEEDING WITH THE WORK.
- DO NOT SCALE DRAWINGS.

## CONSTRUCTION NORTH



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02 13MAR23 JL ISSUED FOR PERMIT &amp; TENDER

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## CLIENT



## project title

YORK REGION  
PARAMEDIC RESPONSE STATION  
12825 KEELE STREET  
KING CITY, ON. L7B 1H7

## drawing title

POWER/COMM. PLAN  
MAIN LEVEL

date

DEC2022

project no.

22.017

drawn by

JL

cod file:

22.017\_ID.103\_PWR

checked by

CP

drawing no.

ID.103

scale

1:100

## POWER &amp; COMMUNICATION LEGEND

SYMBOL	DESCRIPTION
	EXISTING WALL MOUNTED DUPLEX RECEPTACLE TO BE REMOVED
	EXISTING WALL MOUNTED DUPLEX RECEPTACLE TO REMAIN
	NEW WALL MOUNTED DUPLEX RECEPTACLE (TO MATCH EXISTING HEIGHT OR 305 MM AFF)
	NEW WALL MOUNTED DUPLEX RECEPTACLE AT XX MM ABOVE FINISHED FLOOR (USE IF INDICATED TO BE INCORPORATED WITHIN THE OUTLET)
	NEW GFI DUPLEX RECEPTACLE (GROUND FAULT CIRCUIT INTERRUPTER) AT XX MM ABOVE FINISHED FLOOR
	NEW WALL MOUNTED QUAD RECEPTACLE (TO MATCH EXISTING HEIGHT OR 305 MM AFF)
	EXISTING WALL MOUNTED TELEPHONE OUTLET TO REMAIN
	EXISTING WALL MOUNTED TELEPHONE OUTLET TO BE REMOVED
	NEW WALL MOUNTED TELEPHONE OUTLET (TO MATCH EXISTING HEIGHT OR 305 MM AFF)
	NEW WALL MOUNTED TELEPHONE OUTLET AT XX MM ABOVE FINISHED FLOOR (FOR MINISTRY OF PUBLIC HEALTH PHONE)
	NEW WALL MOUNTED DATA CABLE OUTLET FOR VDT, PC, ETC.
	EXISTING WALL MOUNTED DATA CABLE TO REMAIN
	EXISTING WALL MOUNTED DATA CABLE OUTLET TO BE REMOVED
	NEW WALL MOUNTED DATA OUTLET AT XX MM ABOVE FINISHED FLOOR
	NEW TV CABLE OUTLET
	EXISTING TV CABLE OUTLET TO BE REMOVED
	FIRE EXTINGUISHER EXISTING LOCATION TO BE REVIEWED
	EXISTING ALARM READER, ARMING BUTTON AND ALARM KEYPAD TO BE REMOVED & RELOCATED TO NEW LOCATION WHERE INDICATED
	NEW LOCATION FOR ALARM READER, ARMING BUTTON AND ALARM KEYPAD
	EXISTING BASEBOARD HEATERS (TO BE REMOVED AND/OR REPLACED) REFER TO ENGINEER'S DRAWINGS FOR FURTHER DETAILS
	AN EMERGENCY CALL SYSTEM THAT CONSISTS OF AUDIBLE AND VISUAL SIGNAL DEVICES INSIDE AND OUTSIDE OF THE WASHROOM THAT ARE ACTIVATED BY A CONTROL DEVICE INSIDE THE WASHROOM, AND AN EMERGENCY SIGN THAT CONTAINS THE WORDS "IN THE EVENT OF AN EMERGENCY PUSH EMERGENCY BUTTON AND AUDIBLE AND VISUAL SIGNAL WILL ACTIVATE" IN LETTERS AT LEAST 25 MM HIGH WITH A 5 MM STROKE AND THAT IS POSTED ABOVE THE EMERGENCY BUTTON
	NEW POWER DOOR OPERATOR (COMBO UNIT) NEW VISUAL & AUDIBLE DEVICE INSIDE AND OUTSIDE UNIVERSAL WASHROOM (MOUNTING HEIGHT TO CONFORM TO CBC - SEE DETAIL 2/D.103) REFER TO ELECTRICAL ENG. DRAWINGS FOR DETAILS
	ELECTRIC STRIKE (E - EXISTING TO REMAIN, E/R - EXISTING & RELOCATE, R - REUSE, N - NEW) REFER TO ELECTRICAL ENG. DRAWINGS FOR DETAILS
	CARD READER (E - EXISTING TO REMAIN, E/R - EXISTING & RELOCATE, R - REUSE, N - NEW) REFER TO ELECTRICAL ENG. DRAWINGS FOR DETAILS. SEE DETAIL 2/D.103 FOR MOUNTING HEIGHTS
	EXISTING LOCK BOX TO BE REMOVED AND REPLACED WITH NEW CARD READER
	NEW SECURITY CAMERA LOCATION (C/C - TO PROVIDE DATA CABLE TO INDICATED LOCATIONS ONLY) YORK REGION TO PROVIDE AND INSTALL FUTURE CAMERAS
	EXISTING GAS METER
	ABOVE FINISHED FLOOR
	WIRELESS ACCESS POINT (EXACT LOCATIONS TO BE DETERMINED) ALLOW FOR DATA CABLEING TO SUIT
	ALL OTHER ELECTRICAL EQUIPMENT NO LONGER REQUIRED TO BE REMOVED AND TERMINATED ACCORDINGLY BASED ON NEW LAYOUT. REFER TO ENGINEER'S DRAWINGS FOR FURTHER DETAILS.
	ALL ELECTRICAL EQUIPMENT WITHIN ELECTRIC CLOSET TO BE REVIEWED. REFER TO ENGINEER'S DRAWINGS FOR FURTHER DETAILS.
	REFER TO ELECTRICAL ENGINEER FOR ALL NEW POWER AND DATA LOCATIONS TO SUPPORT NEW AND FUTURE EQUIPMENT
	EXISTING MECHANICAL AND ELECTRICAL EQUIPMENT WITHIN ROOM 114 TO BE REVIEWED. REFER TO ENGINEER'S DRAWINGS FOR FURTHER DETAILS.
	POWER OUTLET TO REMAIN. UPS TO REMAIN.
	AREA NOT IN CONTRACT (NIC)

## EQUIPMENT NOTES

SYMBOL	DESCRIPTION
	PRINTER (TO BE PROVIDED AND INSTALLED BY YR)
	MINISTRY OF PUBLIC HEALTH PHONE (MHP) (TO BE PROVIDED MCH AND INSTALLED BY YR)
	COMPUTER TERMINAL (TO BE PROVIDED AND INSTALLED BY YR)
	TV SCREEN (TO BE PROVIDED BY GC)
	REFRIGERATOR (FULL SIZE) (TO BE PROVIDED AND INSTALLED BY GC)
	MICROWAVE (TO BE PROVIDED AND INSTALLED BY YR)
	SMALL APPLIANCES COFFEE MAKER (TO BE PROVIDED AND INSTALLED BY YR)
	OXYGEN TANK STORAGE
	EXISTING RACK/ SECURITY EQUIPMENT/ ELECTRICAL PANEL
	RADIO/ CHARGING EQUIPMENT
	NARCOTIC SAFES (TO BE RELOCATED TO NEW MEDICAL STORAGE ROOM)

## PLUMBING EQUIPMENT LIST

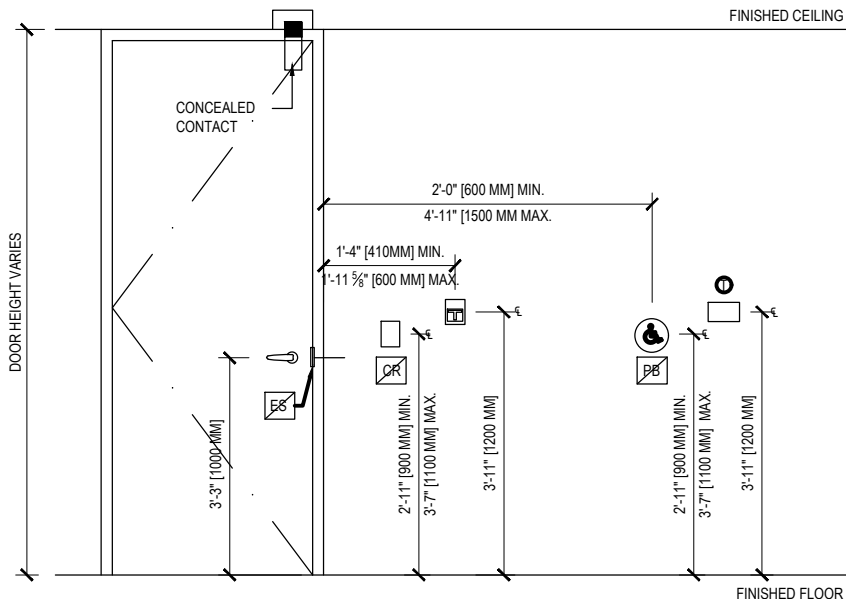
SYMBOL	DESCRIPTION
	WASHROOM SINK (S-1) MANUFACTURER: AMERICAN STANDARD MODEL: MEZZO 3 HOLE 8" SPREAD, ADA 9960.803 SPECIAL REQUIREMENTS: SEAM-COUNTER REFER TO MECH. ENGINEERING DRAWINGS FOR DETAILS SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR
	WASHROOM FAUCET (F-2) MANUFACTURER: CHICAGO FAUCET MODEL: 404-317XCP FINISH: SATIN CHROME/ STAINLESS STEEL SPECIAL REQUIREMENTS: 3 HOLE ADA SINK REFER TO MECH. ENGINEERING DRAWINGS FOR DETAILS SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR
	WATER CLOSET (WC-1) MANUFACTURER: AMERICAN STANDARD MODEL: YORK REGION STANDARD, MAJORA FLOWWISE ELONGATED FLUSHOMETER - SLOAN REGAL XL C/W (CENTOCO SOLID PLASTIC SEAT 82055) FINISH: WHITE REFER TO MECH/ELEC ENGINEERING DRAWINGS FOR DETAILS SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR
	SHOWER SYSTEM (SF-2) MANUFACTURER: CHICAGO FAUCET MODEL: SHOWER HEAD - THERMO VALVE SH-P81-02-000 SHOWER RAY HAND-HELD 11-A07 DIVERTER 7AS CP FINISH: SATIN CHROME / STAINLESS STEEL REFER TO MECH. ENGINEERING DRAWINGS FOR DETAILS SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR
	DOUBLE BOWL SINK (S-2) MANUFACTURER: YORK REGION STANDARDS MODEL: FRANK COMMERCIAL L80750B 1/2 (2- HOLE) OR KINDEKO COMMERCIAL 8" CENTERSET SPECIAL REQUIREMENTS: FAUCET (EDGE) STAINLESS STEEL REFER TO MECH/ELEC ENGINEERING DRAWINGS FOR DETAILS SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR
	SERVICE FAUCET (F-2) MANUFACTURER: CHICAGO FAUCET MODEL: YORK REGION STANDARD - 1100LS-317XACP FINISH: SATIN/ STAINLESS STEEL SPECIAL REQUIREMENTS: 3 HOLE 8" CENTERSET REFER TO MECH/ELEC ENGINEERING DRAWINGS FOR DETAILS SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR
	SERVICE DOUBLE BOWL SINK (S-3) MANUFACTURER: YORK REGION STANDARDS MODEL: FRANK COMMERCIAL L80750B 1/2 (2- HOLE) OR KINDEKO COMMERCIAL 8" CENTERSET SPECIAL REQUIREMENTS: FAUCET (EDGE) STAINLESS STEEL REFER TO MECH/ELEC ENGINEERING DRAWINGS FOR DETAILS SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR
	SERVICE FAUCET (F-3) MANUFACTURER: DELTA MODEL: YORK REGION STANDARD - SSC1583 FINISH: STAINLESS STEEL SPECIAL REQUIREMENTS: (TO BE CONFIRMED IF YR TO SUPPLY) REFER TO MECH/ELEC ENGINEERING DRAWINGS FOR DETAILS SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR
	JANITORIAL SERVICE SINK (S-4) MANUFACTURER: YORK REGION STANDARD) STERN WILLIAMS MODEL: SB-300 WITHOUT TUNG FLANGE INCLUDE OPTIONAL FITTINGS: T-35 HOSE, T-40 MOP HANGER, BP SPLASH PANELS T-35 GASKET REFER TO MECH/ELEC ENGINEERING DRAWINGS FOR DETAILS SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR
	JANITORIAL FAUCET (F-4) MANUFACTURER: CHICAGO FAUCETS MODEL: YORK REGION STANDARD 887-CP FINISH: STAINLESS STEEL SPECIAL REQUIREMENTS: REFER TO MECH/ELEC ENGINEERING DRAWINGS FOR DETAILS SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR
	NEW EYEWASH STATION (EWS) MANUFACTURER: CAUTION MODEL: G1750 REFER TO MECH. DRAWINGS FOR DETAILS
	EXISTING HOT WATER TANK (HWT) MANUFACTURER: TBD REFER TO MECH. & ELEC. DRAWINGS FOR DETAILS

## POWER &amp; COMMUNICATION NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ELECTRICAL AND MECHANICAL CONSULTANTS DRAWINGS AND ALL RELATED SPECIFICATIONS.
- REFER TO GENERAL NOTES.
- REFER TO DRAWING ID.102 FOR LOCATION OF ANY LIGHT FIXTURES & SWITCHING.
- REFER TO ELECTRICAL AND MECHANICAL CONSULTANTS DRAWINGS FOR SPECIAL CONDITIONS, CIRCUITRY, THERMOSTATS AND FIRE PROTECTION EQUIPMENT.
- NOTE TO CONSULTING ENGINEERS: LOCATIONS FOR THERMOSTATS, DIFFUSERS, OUTLETS, HEATERS, ACCESS PANELS, ENUNCIATOR PANELS AND FIRE BELLS MUST BE VERIFIED WITH THE DESIGNER.
- ANY DISCREPANCIES OR DEVIATIONS MUST BE REPORTED TO THE DESIGNER PRIOR TO INSTALLATION.
- LOCATION OF POWER AND COMMUNICATIONS OUTLETS FOR GENERAL PURPOSES ARE INDICATED ON THIS DRAWING. REFER TO ELECTRICAL ENGINEERING DRAWINGS FOR ALL CIRCUITRY AND SPECIAL OUTLET CONDITIONS, ETC.
- ANY WIRING (SWITCH, THERMOSTAT, TELEPHONE, ELECTRICAL OUTLET, ETC.) IN EXISTING WALLS THAT ARE DESIGNATED TO BE DEMOLISHED, ARE TO BE REMOVED OR TERMINATED IN ACCORDANCE WITH THE LOCAL BUILDING ELECTRICAL CODES.
- OUTLETS SHALL BE GANGED TOGETHER WHEREVER POSSIBLE. PROVIDE MULTI-GANG FACE PLATES. IF NOT POSSIBLE, SPACING BETWEEN COVER PLATES SHALL BE 1".
- REPLACE ALL EXISTING COVER PLATES WITH JOB STANDARD COVER PLATE.
- REPLACE ALL EXISTING WALL RECEPTACLES, SWITCHES, ETC., TO MATCH NEW SPECIFIED TYPE AND FINISH.
- EXISTING WALL OUTLETS TO REMAIN WHEREVER POSSIBLE UNLESS NOTED OTHERWISE.
- ALL OUTLETS, SWITCH PLATES & COVER PLATES TO MATCH IN HEIGHT AND APPEARANCE TO THOSE IN THE EXISTING SPACE.
- ALL NEW OUTLETS TO BE MOUNTED AT 12" AFF, UNLESS NOTED OTHERWISE.
- ALL DIMENSIONS ARE TO THE CENTER LINE OF AN OUTLET OR GROUP OF OUTLETS.
- ALL DIMENSIONS ARE TAKEN FROM THE FACE OF FINISHED SURFACES UNLESS NOTED OTHERWISE.
- DO NOT INSTALL WALL MOUNTED OUTLETS BACK TO BACK, STAGGER AS REQUIRED TO PREVENT SOUND TRANSFER.
- ELECTRICAL ENGINEERS TO CONFIRM WITH CLIENT, POWER AND DATA REQUIREMENTS OF ALL SPECIAL EQUIPMENT AND LOCATE ALL CONNECTING LINES ON ELECTRICAL DRAWINGS.
- CONTRACTOR SHALL ARRANGE AND COORDINATE ALL TEMPORARY POWER SHUT DOWNS WITH BUILDING OWNER.
- CONTRACTOR TO COORDINATE WITH CLIENT & RELATED GROUPS FOR:
  - TELEPHONE & DATA ELECTRICAL INSTALLATION: THE GENERAL CONTRACTOR IS TO REQUEST PRICING FROM THE APPROVED CLIENT VENDORS. WAP LOCATIONS TO BE INSTALLED BY THE COMMUNICATIONS CONTRACTOR
  - SOUND SYSTEM
  - SECURITY SYSTEM

## POWER &amp; COMMUNICATION PLAN

1/100 = 1'-0"



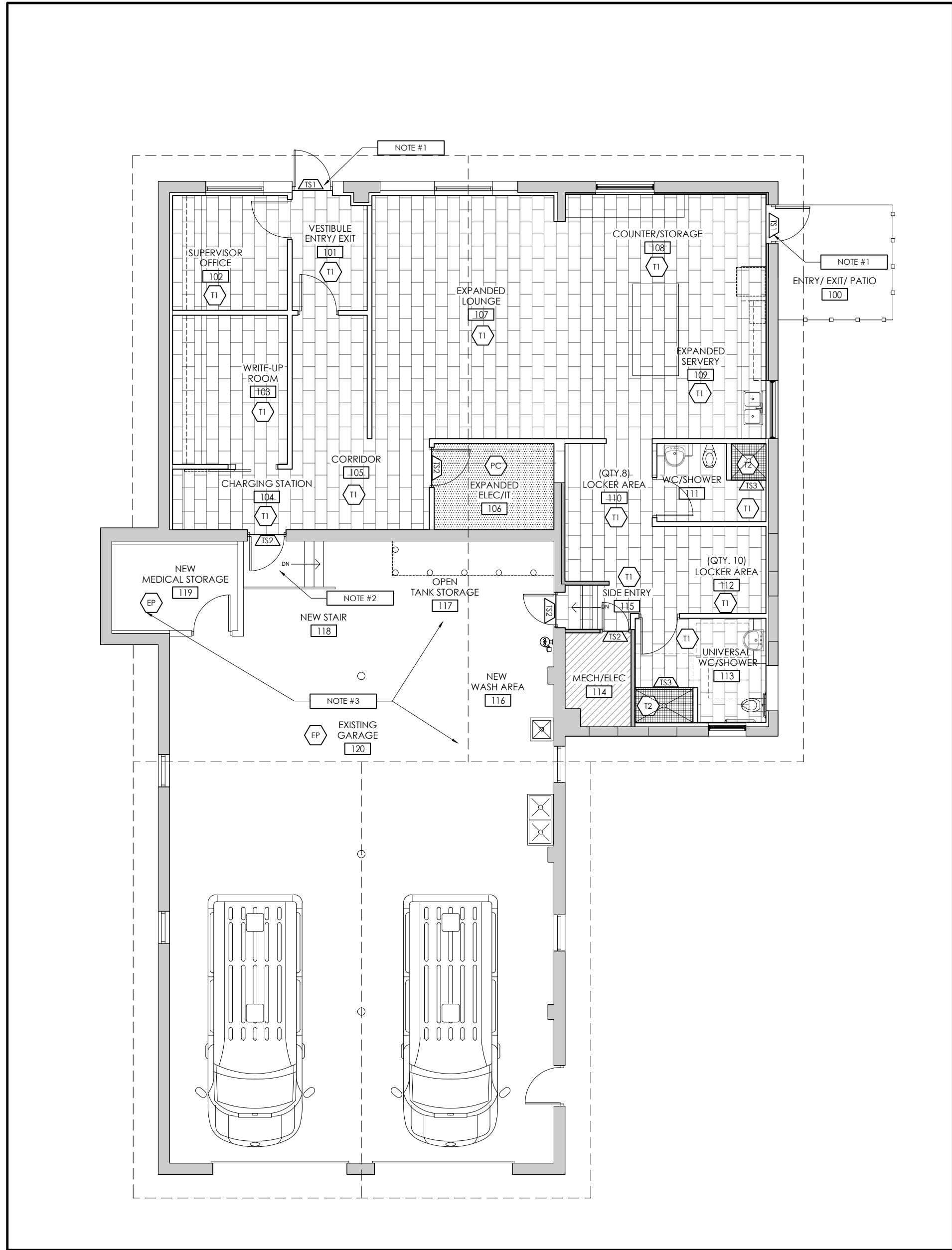
## CONTROLS LEGEND

	DENOTES NEW THERMOSTATS SHALL BE MOUNTED WITH THEIR CENTRELINE 1,200 mm (3'-11") ABOVE THE FINISHED FLOOR LEVEL AND SHALL BE LOCATED 80 mm (3-1/8") TO BE ADJACENT TO AND CENTRED ON EITHER THE LENGTH OR WIDTH OF A CLEAR FLOOR SPACE OF 810 mm (2'-7 7/8") MIN (2'-6" & 4")
	DENOTES NEW CONTROLS FOR POWER DOOR OPERATORS SHALL BE MOUNTED WITH THEIR CENTRELINE NOT LESS THAN 80 mm (3-1/8") AND NOT MORE THAN 1,100 mm (3'-7 1/8") ABOVE THE FINISHED FLOOR LEVEL AND BE LOCATED BETWEEN 80 mm (3-1/8") AND 1,200 mm (3'-11") BEYOND THE DOOR SWING WHERE THE DOOR OPENS TOWARDS THE CONTROLS PER CBC 3.8.3.4 (7)
	DENOTES ELECTRIC STRIKE
	DENOTES NEW CARD READER SHALL BE MOUNTED NOT LESS THAN 800 mm (2'-11") AND NOT MORE THAN 1,100 mm (3'-7 1/8") ABOVE THE FINISHED FLOOR LEVEL
CONTROLS NOTES	
ALL NEW OTHER WALL MOUNTED CONTROLS NOT LISTED ABOVE SHALL BE MOUNTED NOT LESS THAN 800 mm (2'-11") AND NOT MORE THAN 1,100 mm (3'-7 1/8") ABOVE THE FINISHED FLOOR LEVEL. WHEN CONTROLS EXIST, NEW CONTROLS TO MATCH THE MOUNTING HEIGHT OF EXISTING CONTROLS WITHOUT COMPROMISING CBC 3.8.5 REQUIREMENTS.	
CONTROLS FOR THE OPERATION OF BUILDING SERVICES AND/OR SAFETY DEVICES (INCL. ELECTRICAL SWITCHES, THERMOSTATS, INTERCOM SWITCHES) INTENDED TO BE OPERATED BY THE OCCUPANT SHALL BE LOCATED TO BE ADJACENT TO AND CENTRED ON A CLEAR FLOOR SPACE OF 810 mm (2'-7 7/8") MIN (2'-6" & 4").	
REFER TO ENGINEER'S DRAWINGS FOR LIFE SAFETY SYSTEMS AND LOCATIONS OF ALL NECESSARY DEVICES, AS WELL AS FOR ALL FIXTURE, SWITCH, AND COVER PLATE SPECIFICATIONS.	
ANY DISCREPANCIES BETWEEN DESIGN AND ENGINEERING DRAWINGS TO BE REPORTED TO THE CONSULTANTS IMMEDIATELY.	

## OBC CONTROL DETAILS

2/103 N.T.S.





FLOOR FINISH LEGEND

SYMBOL	DESCRIPTION
	PORCELAIN TILE #1: T1 MANUFACTURER: STONE TILE SERIES/TYPE: BETHONTECH COLOUR: MID SIZE: 300MM X 600 MM (12" X 24") GROUT SPEC: MAPSI # 107 IRON INSTALL METHOD: 2" RUNNING BOND, 25% OVERLAP BASE TYPE: B1 C/W FINISHING STRIP AS INDICATED
	PORCELAIN TILE #2: T2 (SAME AS WALL TILE - W13) MANUFACTURER: STONE TILE SERIES / TYPE: ONTARIO UNGLAZED MOSAIC COLOUR/ FINISH: DARK GREY/MATE SIZE: 30 MM X 30 MM (2"x2") SHEET SIZE: 300 MM X 500 MM (12"x20") GROUT SPEC: MAPSI # 107 IRON INSTALL METHOD: 2" RUNNING BOND, 25% OVERLAP BASE TYPE: B1 C/W FINISHING STRIP AS INDICATED
	NEW PAINTED CONCRETE FINISH (& SEAL) (STANDARD GREY FINISH)
	EPOXY FLOOR FINISH <b>BY OTHERS- COORDINATION ONLY!</b> REVIEW COVE BASE OPTION
	PORCELAIN WALL BASE: B1 MANUFACTURER: STONE TILE SERIES: BETHONTECH COLOUR: MID SIZE: 30MM X 600MM (12" X 24") WIDE GROUT SPEC: MAPSI # 107 IRON CONDITION: WHERE T1 OCCURS EXCEPT AT WALL TILE WALLS IN WASHROOMS FINISHING: ADD CLEAR ANODIZED TERMINATING STRIP ALONG TOP EXPOSED EDGE OR EQUIVALENT.
	TRANSITION STRIP #1: TS1 MANUFACTURER: SCHLUTER (OR EQUAL) TYPE/ FINISH: AODAY STAINLESS STEEL CONDITION: <b>PORCELAIN TO EXTERIOR STEP</b>
	TRANSITION STRIP #2: TS2 MANUFACTURER: SCHLUTER (OR EQUAL) TYPE/ FINISH: AODAY STAINLESS STEEL CONDITION: WHERE T1 MEETS PC OR EP
	TRANSITION STRIP #3: TS3 MANUFACTURER: SCHLUTER (OR EQUAL) TYPE/ FINISH: AODAY STAINLESS STEEL CONDITION: WHERE T1 MEETS T2
	AREA NOT IN CONTRACT (N.I.C.)

FLOOR FINISH NOTES

SYMBOL	DESCRIPTION
	REVIEW STEP/ TRANSITION AT DOOR ENTRY TO REDUCE HEIGHT DIFFERENCE. GC TO OFFER SUGGESTION OR BEST SOLUTION.
	REVIEW EXISTING FLOOR FINISH. OPTIONAL PRICING: REFINISH TO MATCH OTHER SERVICE AREAS/ ROOMS.
	NEW EPOXY FLOOR FINISH IN GARAGE- BY YORK REGION (OUTSIDE SCOPE, HOWEVER REQUIRED COORDINATION WITH OTHER SCOPE WITHIN THE GARAGE SPACE.

FLOOR FINISH NOTES

1. THE CONTRACTOR IS TO MAKE GOOD ALL AREAS TO RECEIVE NEW FLOOR FINISHES.
2. ALL MATERIALS SPECIFIED ARE TO BE SUPPLIED BY THE GENERAL CONTRACTOR UNLESS NOTED OTHERWISE.
3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL FLOOR FINISHES SPECIFICATIONS, EXECUTION AND INSTALLATION GUIDES PROVIDED IN MANUFACTURER'S DOCUMENTATION.
4. CONCRETE SLABS TO BE CLEAN, SOUND AND LEVEL PRIOR TO INSTALLATION OF FLOOR FINISHES. CRACKS TO BE FILLED, OLD GLUE TO BE REMOVED. THE CONTRACTOR IS TO JET AND DISPOSE OF OLD FLOORING AND BASE.
5. THE CONTRACTOR IS TO PROVIDE AND INSTALL ALL FLOOR FINISHES AS SPECIFIED.
6. ALL MATERIALS TO BE AS SPECIFIED OR EQUAL - ANY ALTERNATIVES ARE SUBJECT TO APPROVAL BY DESIGNER / CLIENT.
7. INSTALLER TO ENSURE SMOOTH LEVEL TRANSITION BETWEEN DIFFERENT FLOORING.
8. TILES TO BE LAID IN ONE DIRECTION TO OBTAIN UNIFORM EFFECT. ABRUPT VARIATION WILL NOT BE ACCEPTABLE.
9. INSTALL EDGE STRIPS AT UNPROTECTED OR EXPOSED EDGES WHERE FLOORING TERMINATES.
10. THE CONTRACTOR IS TO PROVIDE MANUFACTURERS MAINTENANCE AND PERFORMANCE DATA FOR ALL FINISHES TO THE DESIGNER AT COMPLETION OF PROJECT.
11. FLOOR FINISHES SHALL EXTEND UNDER ALL RADIATORS/ CONVECTORS AND NEW MECH/ELEC UNITS.
12. THE CONTRACTOR SHALL FEATHER FLOOR SLABS TO MAKE A SMOOTH LEVEL TRANSITION BETWEEN FINISHES.
13. **NO BASE REQUIRED AT FULL WALL TILED WALLS. SEE WALL FINISH PLAN ID.105 FOR DETAILS.**
14. PROTECT CARPET DURING CONSTRUCTION WITH 4 MIL POLYETHYLENE SHEETS, TAPED AT ALL SEAMS.
15. CARPET CONTRACTOR TO NOTIFY DESIGNER IMMEDIATELY UPON FINDING ANY FLAWS OR DEFECTS IN CARPET, OR ANY OTHER FLOOR FINISHES.
16. ALL MATERIALS TO HAVE FLAME SPREAD RATING IN ACCORDANCE WITH THE BUILDING CODE.
17. THE CONTRACTOR IS TO ENSURE SAME DYE LOT WHEN ORDERING SPECIFIED FINISHES TO AVOID COLOR VARIANCE.
18. WHERE A SHOWER IS SPECIFIED, CONCRETE FLOOR IS TO BE SLOPED TOWARD DRAIN.
19. COORDINATE WITH THE CARPET MANUFACTURER AND THE OWNER FOR FINAL QUANTITY REQUIREMENTS AND DELIVERY OF CARPET TO COMPLY WITH THE CONSTRUCTION SCHEDULE.
20. CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGES TO SURFACES, FINISHES AND MATERIALS DUE TO THE WORK UNDER THIS CONTRACT AND WILL BEAR ALL COSTS INCURRED TO MAKE GOOD, REPAIR, OR REPLACE SAME TO DESIGNER'S SATISFACTION.
21. ALL SEAMS IN WALL TILE BASE ARE TO ALIGN WITH SEAMS IN FLOOR TILES. IF VARIANCE OCCURS, DISCUSS WITH THE DESIGNER ON SITE PRIOR TO INSTALLATION.
22. ALL GROUTING COMPOUND FOR FLOOR TILE APPLICATION ARE TO BE MADE WATERPROOF AS REQUIRED FOR INTENDED USAGE. REFER TO FLOOR FINISH LEGEND FOR GROUT COLOR.
23. THE CONTRACTOR IS TO REMOVE GROUT FROM TILE FACE BEFORE IT SETS. SEAL GROUT IMMEDIATELY AFTER SETTING TO PREVENT ANY STAINING.
24. CONCRETE MUST BE WET CURED USING NON-STAINING METHOD, (I.E. WHITE CLOTH VS. BURLAP).
25. CONCRETE SHOULD BE ALLOWED TO CURE PRIOR TO SEALING.
26. CONCRETE NEEDS TO BE CLEANED TO REMOVE ANY STAINS PRIOR TO SEALING.
27. COATING SHOULD BE APPLIED IN TWO COATS, IN STRICT ACCORDANCE TO TECHNICAL DATA SPECIFICATIONS.

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[o] 905.773.1200 [ff] 1.866.237.6220

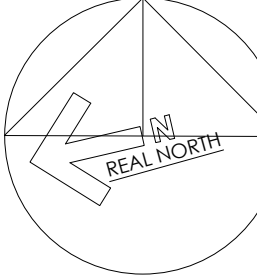
3 Auckland Lane, King City, Ontario, L7B 1C1

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GENERAL NOTES

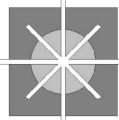
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CONSTRUCTION NORTH



IN ASSOCIATION WITH:

CSPACE  
ARCHITECTURE



88-8885 GEORGE ST. SUITE 100, SCARBOROUGH, ON M1V 1P8  
T: 416-584-1184 E: info@cspace.ca




no. date by description

REVISIONS


03	10NOV23	JL	RE-ISSUE FOR TENDER
02	13MAR23	JL	ISSUED FOR PERMIT & TENDER
01	22FEB2023	JL	ISSUED FOR 100% REVIEW

no. date by description

ISSUED

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project title  
**YORK REGION  
PARAMEDIC RESPONSE STATION  
12825 KEELE STREET  
KING CITY, ON. L7B 1H7**

drawing title

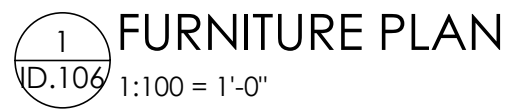
**FLOOR FINISH PLAN  
MAIN LEVEL**

date DEC2022	project no. 22.017
drawn by JL	cad file: 22.017_ID.104_FF
checked by CP	drawing no.
scale 1:100	<b>ID.104</b>









1 FURNITURE  
ID.106 1:100 = 1'-0"

project no.	22.017
DEC2022	
own by	cad file:
L	22.017_ID.106_FURN
checked by	drawing no.
CP	ID.106
je :100	



DOOR										FRAME										HARDWARE										NOTES												
DOOR NUMBER	ROOM AREA	ELAVATION	NEW	EXISTING	SIZE	DOING	GLASS AND/OR / GLAZED	HOLLOW METAL	HOLLOW METAL W/ VISION PANEL	FIRE RATED DOOR	SURETEAM DOOR	FINISH	ELEVATION	JAMB DETAIL	HEAD/J / JAMB DETAIL	NEW	EXISTING	FRANKLESS	HOLLOW METAL	FIRE RATED FRAME	GLASS AND/OR ALUMINUM	FINISH	NEW EXTER	NEW INTER	EXISTING HARDWARE TO REMAIN	CARD READER	(N) NEW, (E) EXISTING OR (R) RELOCATED	ELECTRIC STRIKE	AUTOMATIC DOOR OPENER	LOCKSET	PRIVATE SET	STOREROOM LOCK	BARN DOOR HARDWARE	DOOR GRILLE / VENT	NEW SURFACE MOUNTED CLOSER	NEW DOOR SILENCE/BUMPER	COAT HOOK	KICK PLATE	FLOOR STAIR	GENERAL ABBREVIATIONS: EX - EXISTING R - RELOCATED PT - PAINT AL - ALUMINUM GL - GLASS	* FOR REGION SECURITY TO CONFIRM ALL DOOR HARDWARE*	** SEE WALL FINISH PLANS FOR ADDITIONAL EXISTING DOORS TO BE PAINTED**
1ST LEVEL																																										
E100	ENTRY/EXIT PATIO			X	914 MM (36") X 212743 MM (108")	RHR	X					AL/GL					X				X	AL/GL		X	E	E																EXISTING HARDWARE TO REMAIN
E101	ENTRY/EXIT	A	X		965 MM (38") X 212743 MM (108")	RHR	X					AL/EL				X					X	AL/GL	X		R	N		X							X	X						REFER TO ARCHITECT'S DRAWINGS FOR DETAILS AND ELEVATIONS CONFIRM HARDWARE REQUIREMENTS
E101A	VESTIBULE	C	X		965 MM (38") X 2134 MM (84")	RHR		X				PT3	F1	J2	H2	X			X		PT3	X													X	X	X	X	X			
E102	SUPERVISOR OFFICE	C	X		965 MM (38") X 2134 MM (84")	R		X				PT3	F1	J2	H2	X			X		PT3	X				R	N		X						X	X	X	X	X			
E103	WRITE-UP ROOM	D	X		1219 MM (48") X 2134 MM (84")						X	PT3				H4	X	X				X		X										X							ALLOW FOR BLOCKING WITHIN WALL TO SUPPORT DOOR & HARDWARE	
E106	EXPANDED ELEC./ IT	B	X		965 MM (38") X 2134 MM (84")	L	X					PT3	F1	J1	H1	X			X		PT3	X				R	N					X		X	X	X	X	X				
E111	WC/SHOWER	B	X		965 MM (38") X 2134 MM (84")	R	X					PT3	F1	J1	H1	X					PT3	X								X					X	X	X	X	X			
E113	UNIVERSAL WASHROOM	B	X		965 MM (38") X 2134 MM (84")	R	X					PT3	F1	J1	H1	X			X		PT3	X								X	X				X	X	X	X	X			
E114	MICH/ ELEC.			X	914 MM (36") X 2134 MM (84")	RHR	X					PT3					X	X			PT3	X									X				X	X	X	X	X			
E115	INTERNAL GARAGE ACCESS (FROM LOCKER AREA)				X	914 MM (36") X 2134 MM (84")	R	X				PT3					X	X			PT3			X																	CONFIRM HARDWARE WITH ELECTRICAL ENGINEER DRAWINGS	
E118	INTERNAL GARAGE ACCESS (FROM CREW LOUNGE)	F	X		965 MM (38") X 2134 MM (84")	R			X	X		PT3	F2	J3	H3	X			X	X	PT3	X													X	X	X				REFER TO ARCHITECT'S DRAWINGS FOR DETAILS AND ELEVATIONS CONFIRM HARDWARE REQUIREMENTS	
E119	MEDICAL STORAGE	B	X		965 MM (38") X 2134 MM (84")	R	X					PT3	F1	J1	H1	X			X		PT3	X				N	N		X					X	X	X	X	X				
E120	GARAGE ENTRY/EXT			X	914 MM (36") X 2134 MM (84")	L	X					AL/GL					X				X	AL/GL		X	E	E																EXISTING HARDWARE TO REMAIN
E102A	GARAGE OVERHEAD DOOR		X		OVERHEAD DOOR TO REMAIN							PT3									PT3				E																	NEW EXTERIOR PAINT FINISH (DOOR & FRAME) EXTERIOR SIDE ONLY
E102B	GARAGE OVERHEAD DOOR		X		OVERHEAD DOOR TO REMAIN							PT3									PT3				E																	NEW EXTERIOR PAINT FINISH (DOOR & FRAME) EXTERIOR SIDE ONLY

1. ALL EXISTING/RELOCATED DOORS TO HAVE NEW LEVER HARDWARE INSTALLED. SEE LEVER SPECIFICATION
2. MOUNT ALL NEW COAT COOKS AT 48" (1200 MM) AFF ON DOOR SIDE OF WALL.
3. PROVIDE DOOR SILENCERS FOR ALL WOOD DOORS AND DOOR BUMPS FOR ALL HOLLOW METAL DOORS
4. WHERE NEW PAINT FINISH IS REQUIRED ON DOORS, FRAMES AND REVEALS REFER TO WALL FINISHES PLAN FOR SPECIFICATION
5. LOCK SETS OCCURRING ON JANITORS/STORAGE ROOMS TO BE LOCKABLE FROM CORRIDOR SIDE ONLY
6. ALL EXISTING PANT GRADE DOORS TO BE REPAINTED, UNLESS NOTED OTHERWISE. SEE DRAWING ID-105 FOR PAINT SPECIFICATION
7. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR ALL DOOR ASSEMBLIES AND HARDWARE FOR APPROVAL, PRIOR TO FABRICATION/ORDERING

LOCK SETS:  
YORK REGION STANDARD (SEE HARDWARE SCHEDULE)

LOCK SETS:  
YORK REGION STANDARD (SEE HARDWARE SCHEDULE)

LEVERS:  
YORK REGION STANDARD (SARGENT 8200 NF C32D)

KICK PLATE:  
8' STAINLESS STEEL

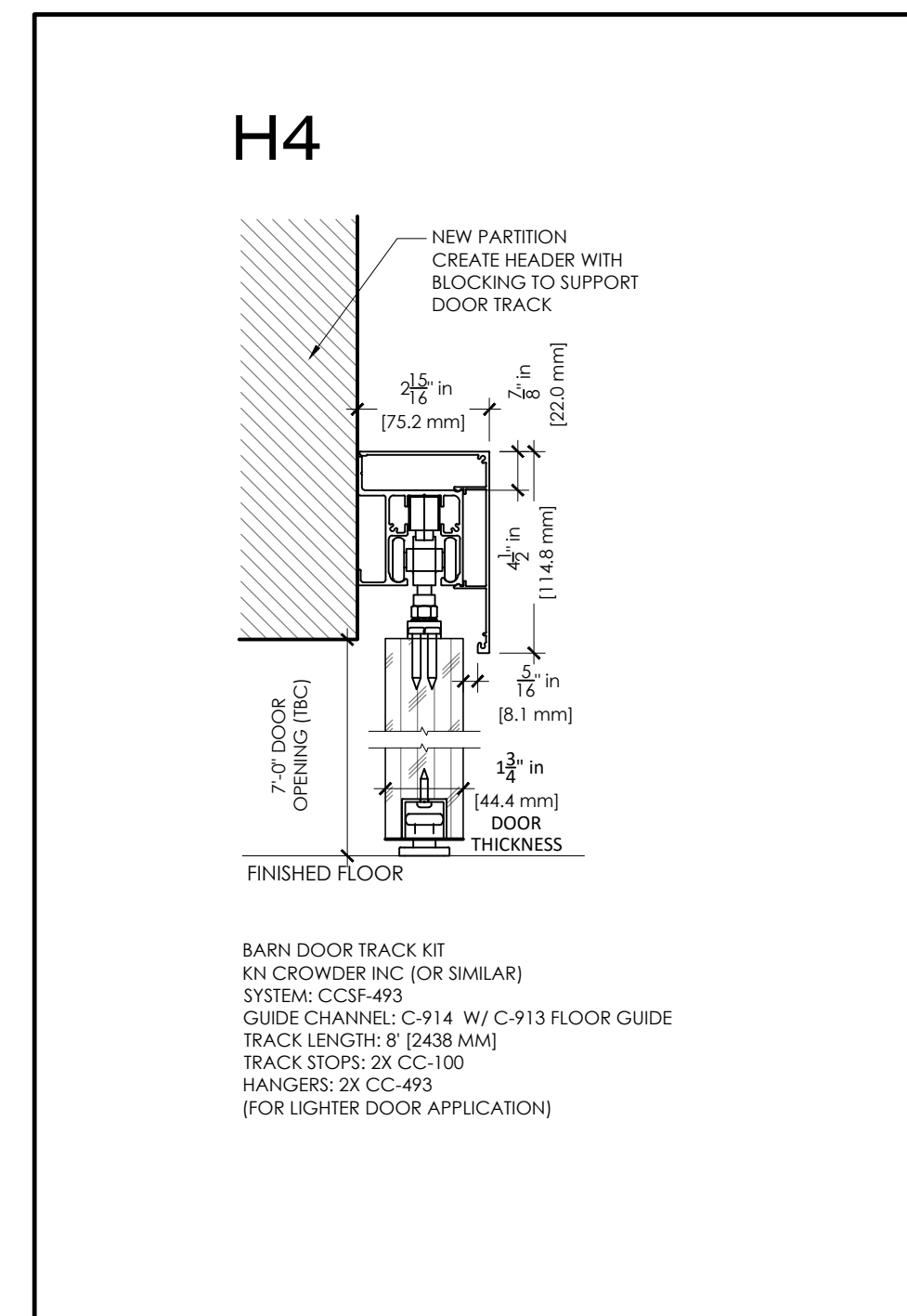
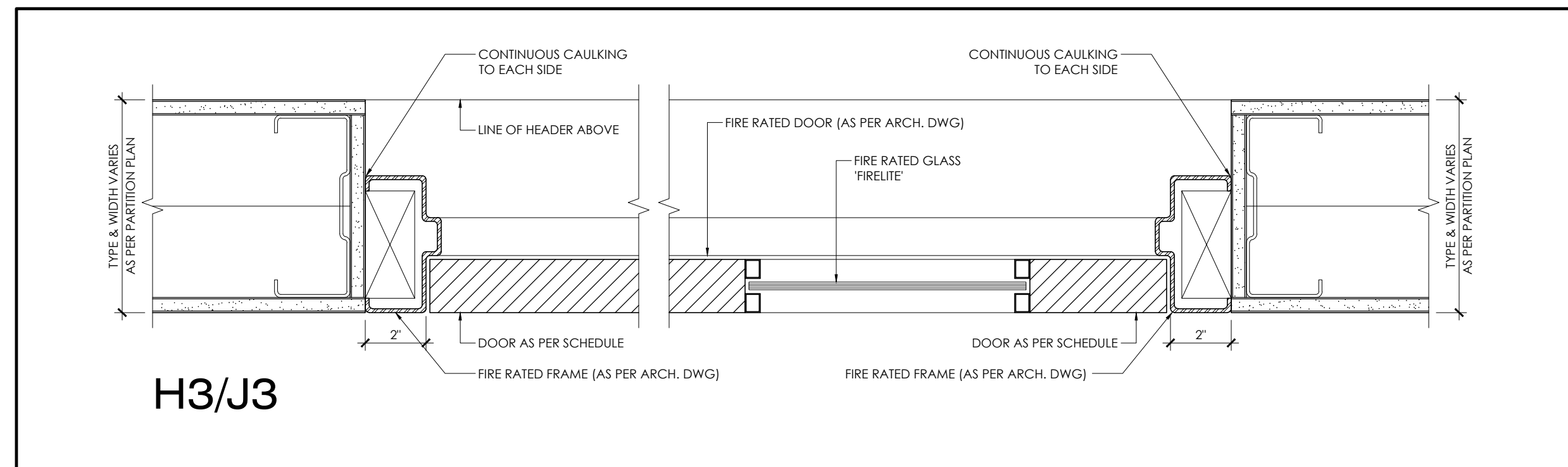
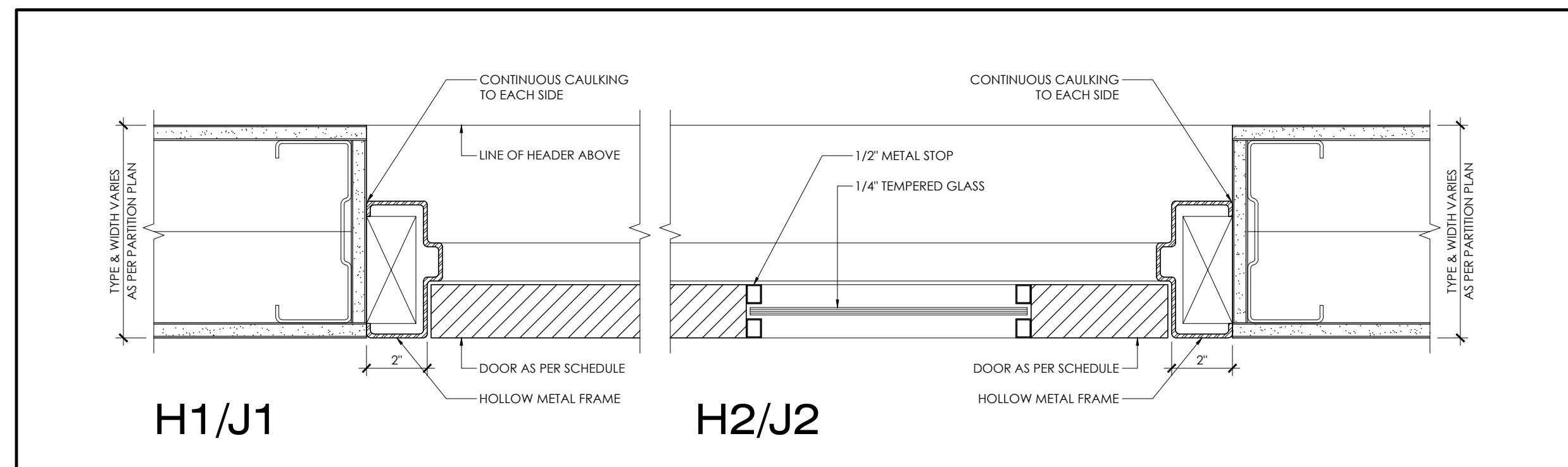
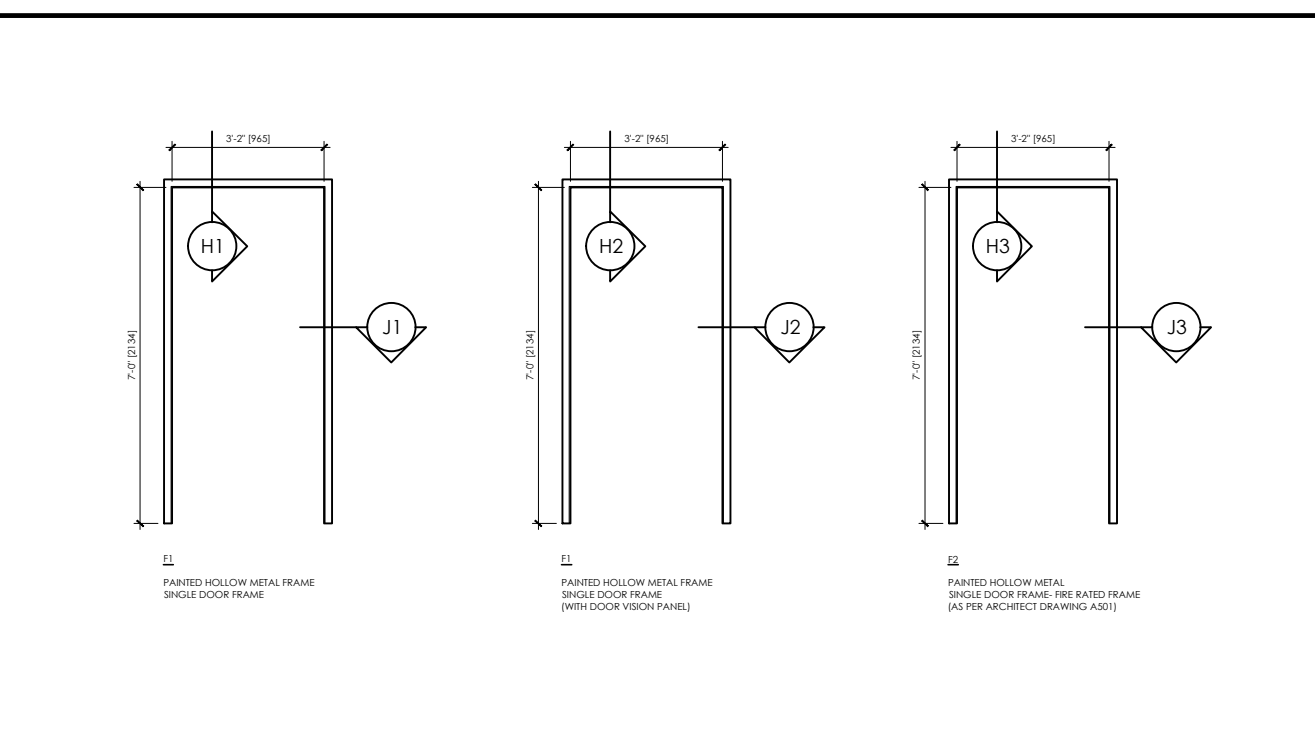
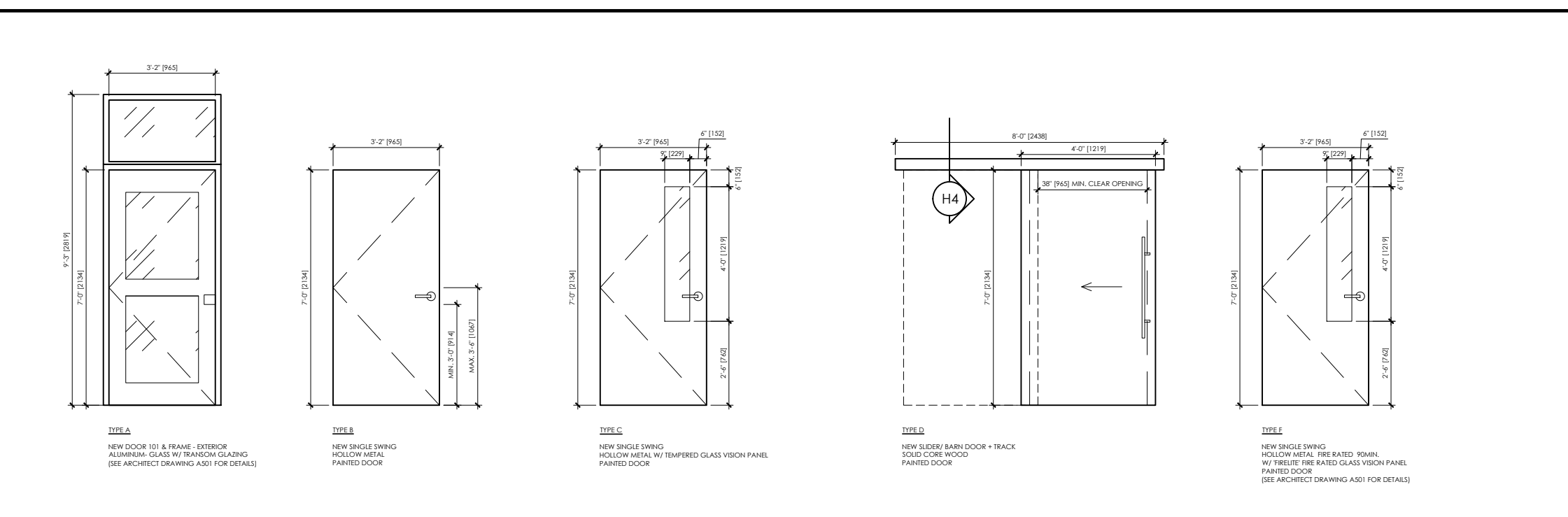
FLOOR STOPS:  
GSH 210 C32D or GSH 209 C32D

DOOR CLOSER:  
TO MATCH BUILDING STANDARD

COAT HOOKS:  
BOBBICK B-482 STAINLESS STEEL

KEYING:  
YORK REGION STANDARD

ELECTRIC STRIKE, CARD READERS AND MAGLOCKS:  
TO BE PROVIDED AS PER YORK REGION STANDARD. REFER TO ENGINEER'S DRAWINGS  
COORDINATION WITH FRAME MANUFACTURER

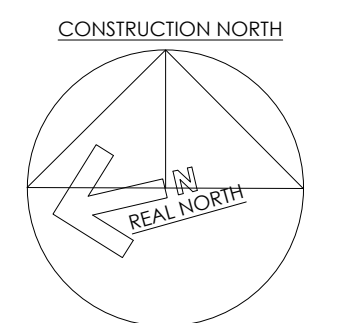


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ARCHITECTURE

85-8841 GEORGE BOLTON PKWY, BOLTON, ON L7E 2G5  
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[illegible]

no.	date	by	description
REVISIONS			

## REVISIONS


03	10NOV23	JL	RE-ISSUE FOR TENDER
02	13MAR23	JL	ISSUED FOR PERMIT & TENDER
01	22FEB2023	JL	ISSUED FOR 100% REVIEW
no.	date	by	description

ISSUED

CLIENT



project title
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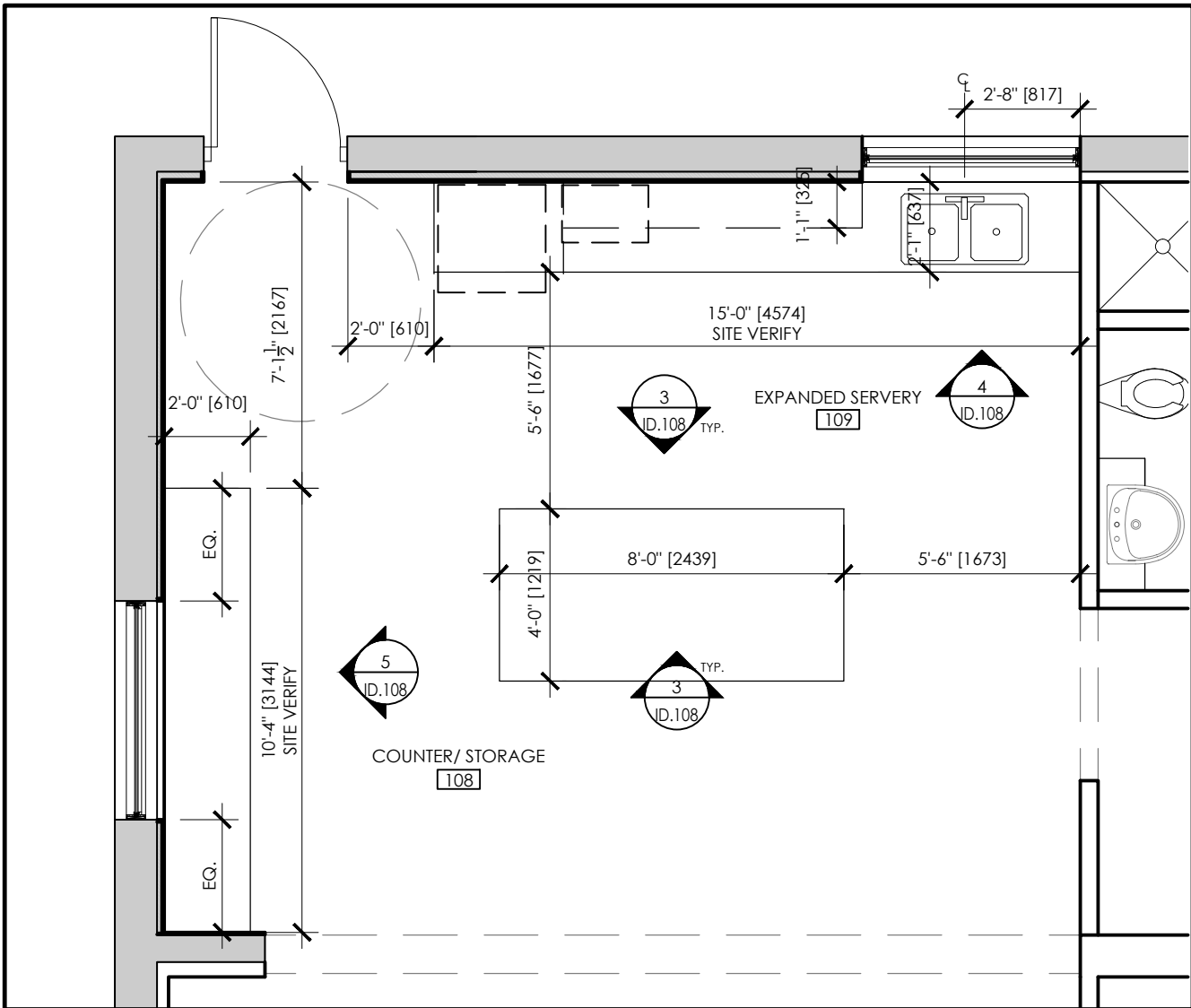
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PARAMEDIC RESPONSE STATION  
12825 KEELE STREET  
KING CITY, ON. L7B 1H7

drawing title

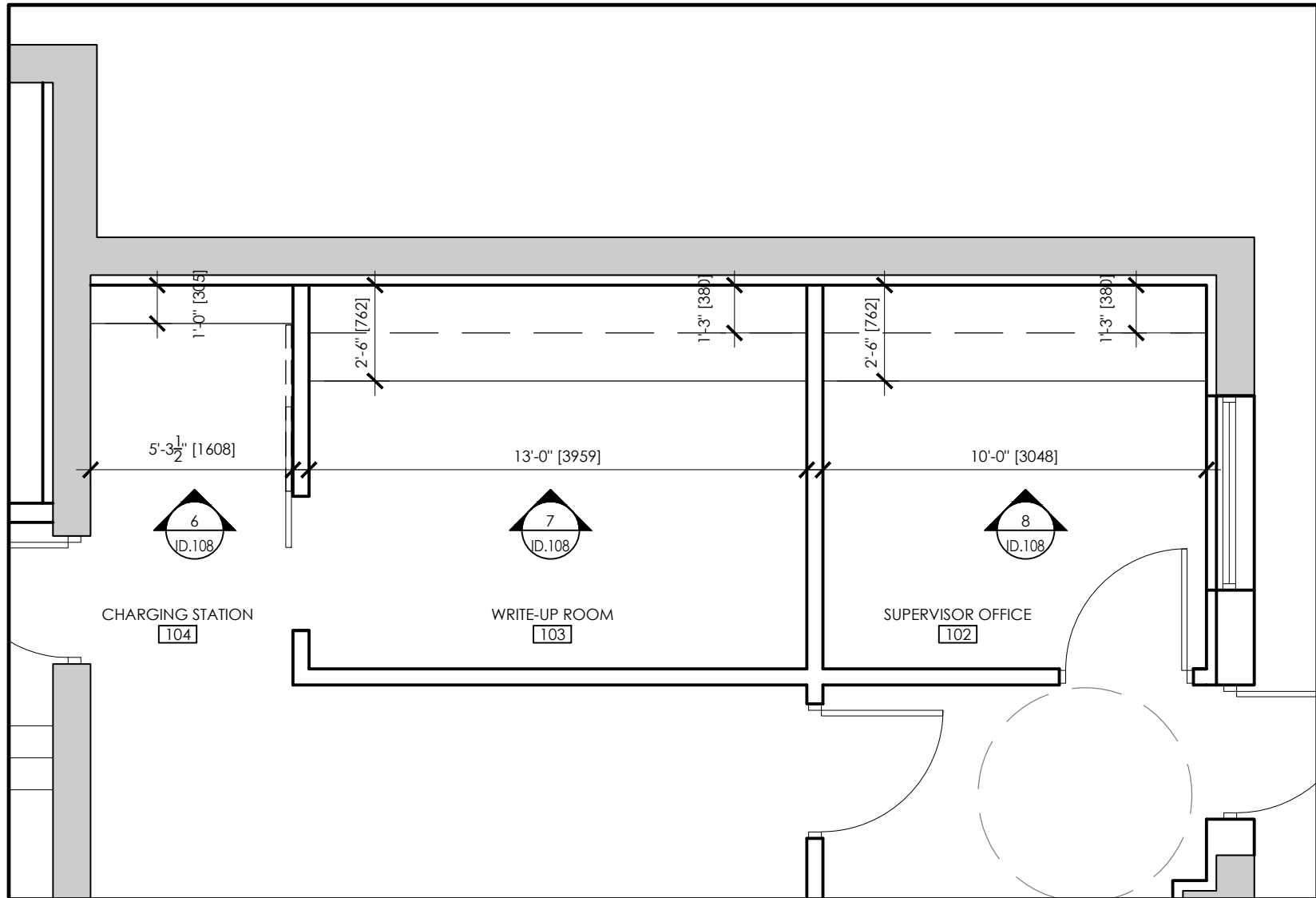
DOOR SCHEDULE  
MAIN LEVEL

date	project no.
DEC2022	22.017
drawn by	cad file:
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checked by	drawing no.
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scale	
1:100	

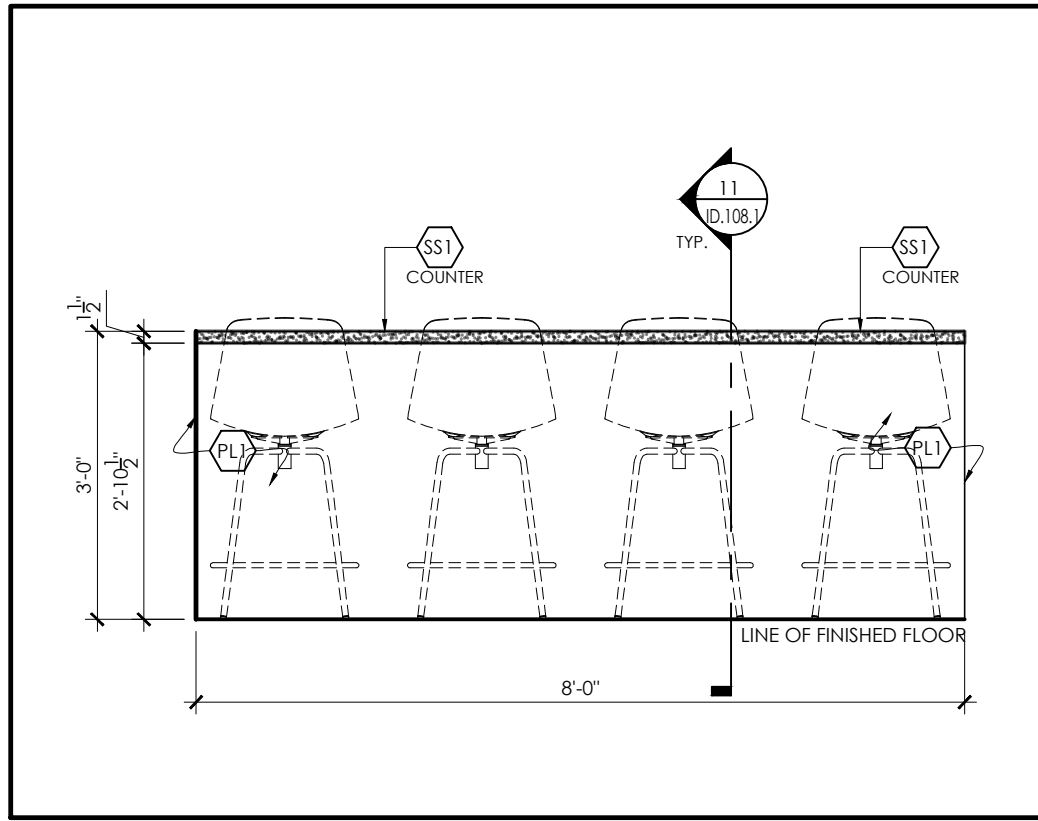




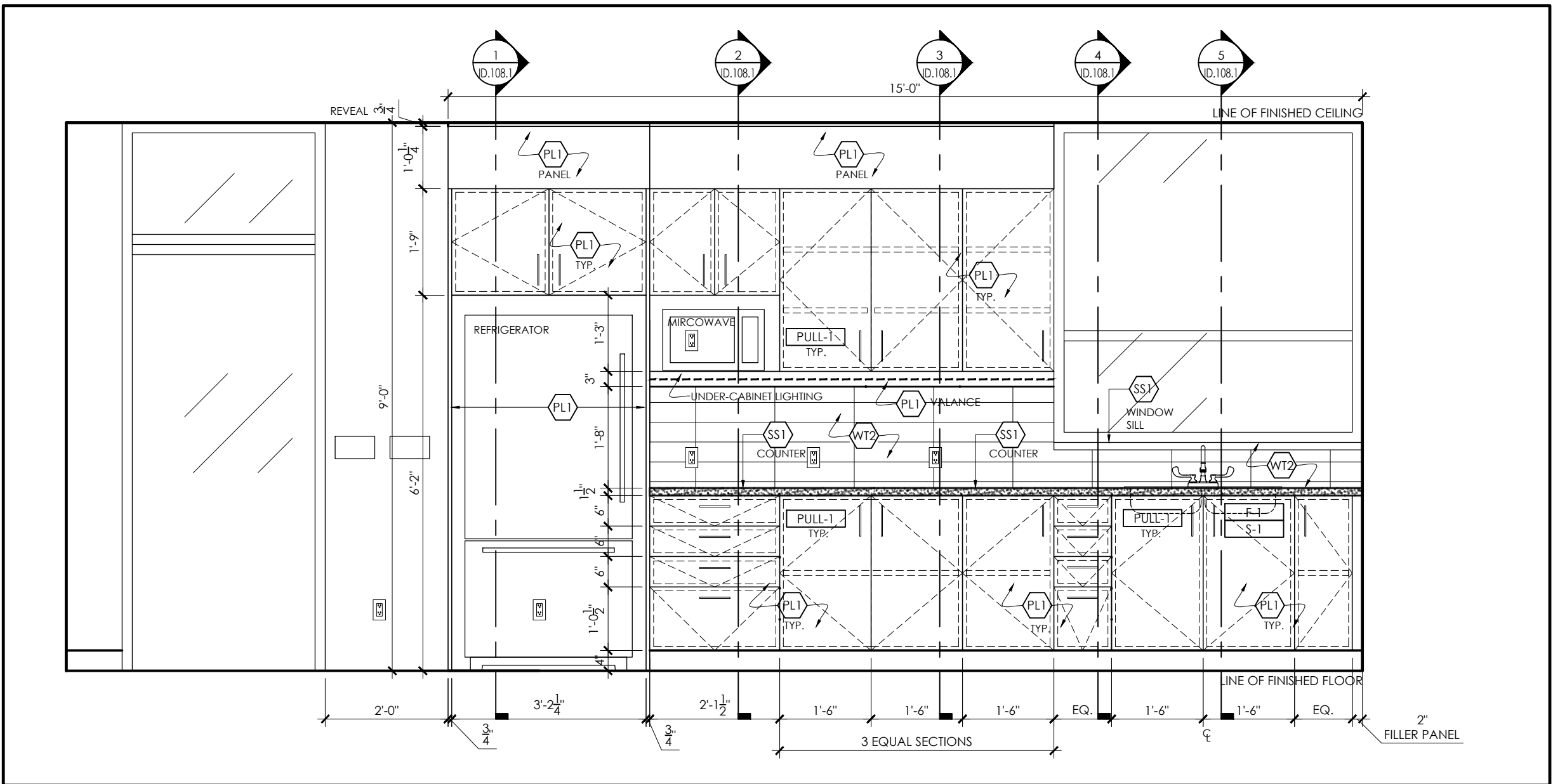
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ID.108  
PLAN: AREAS 108 & 109  
1/4" = 1'-0"



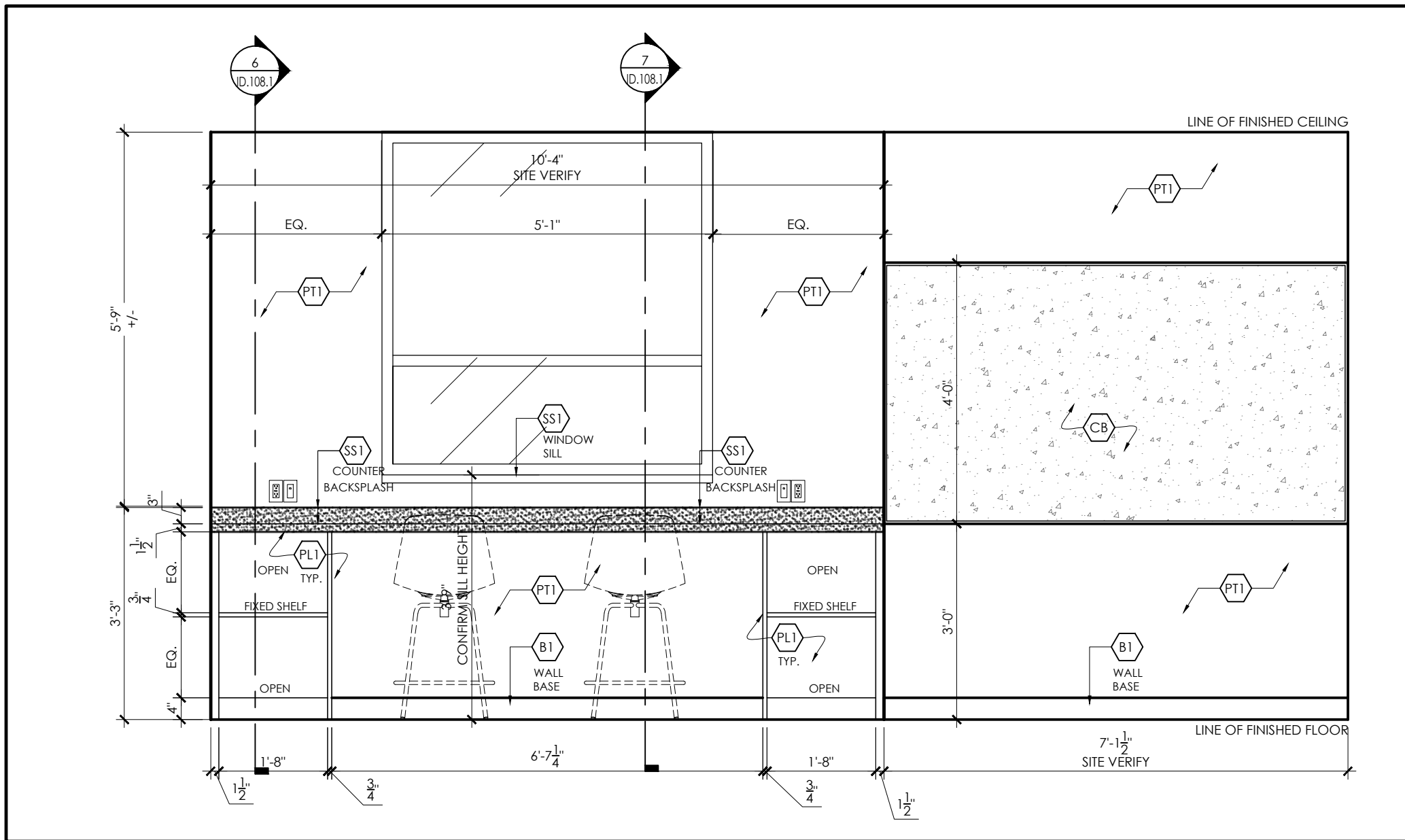
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ID.108  
PLAN: AREAS 102, 103 & 104  
1/4" = 1'-0"



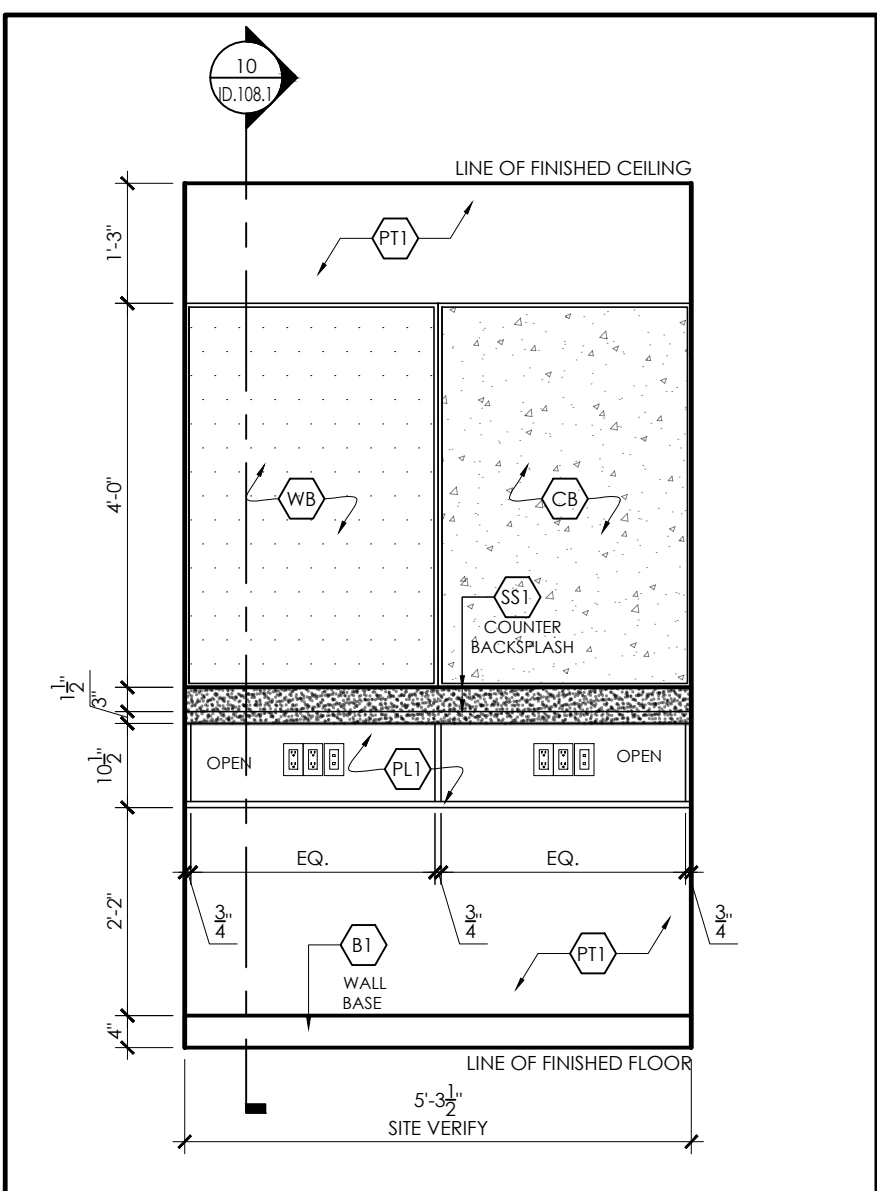
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ID.108  
ELEVATION: AREA 109 (ISLAND)  
1/2" = 1'-0"



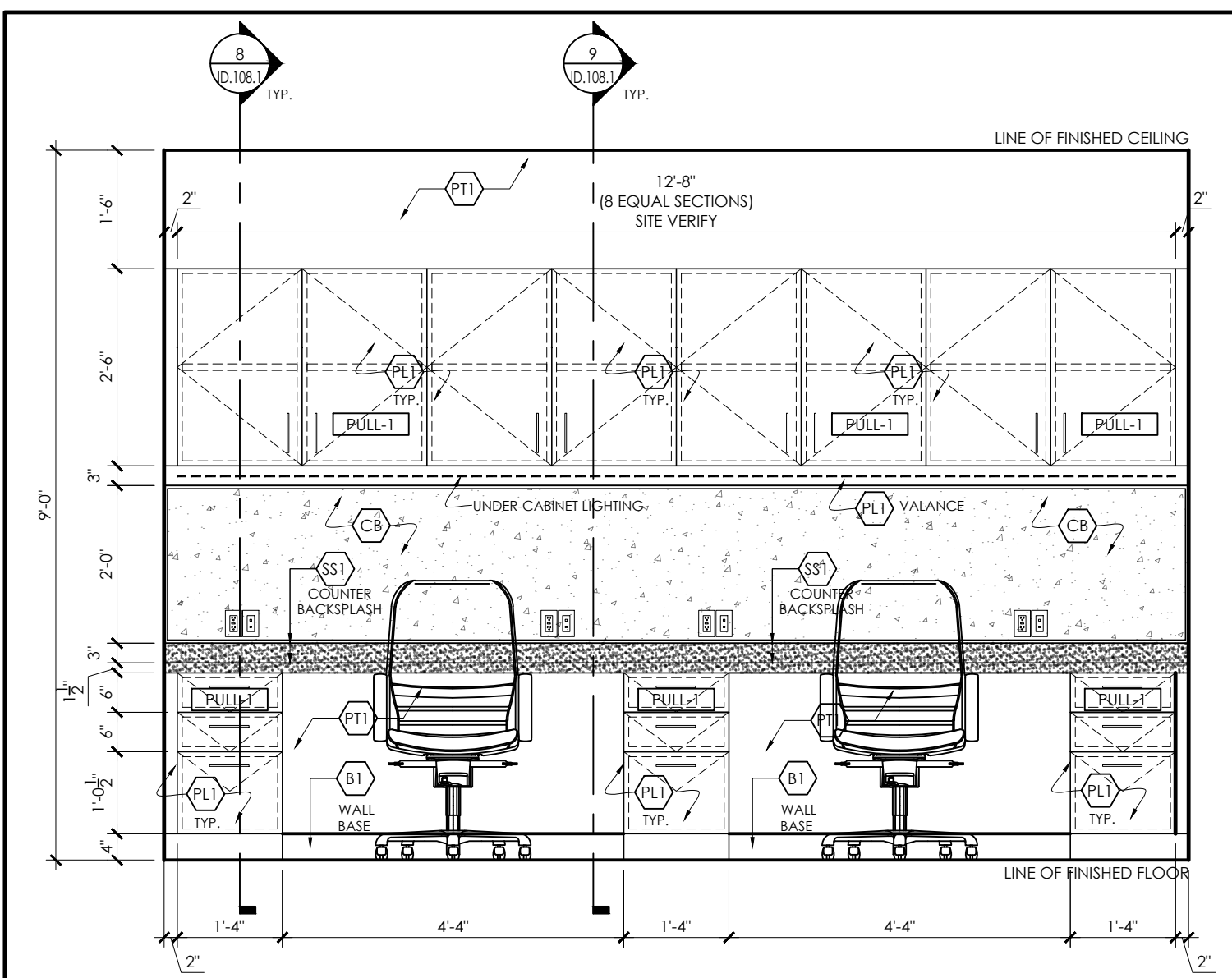
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1/2" = 1'-0"



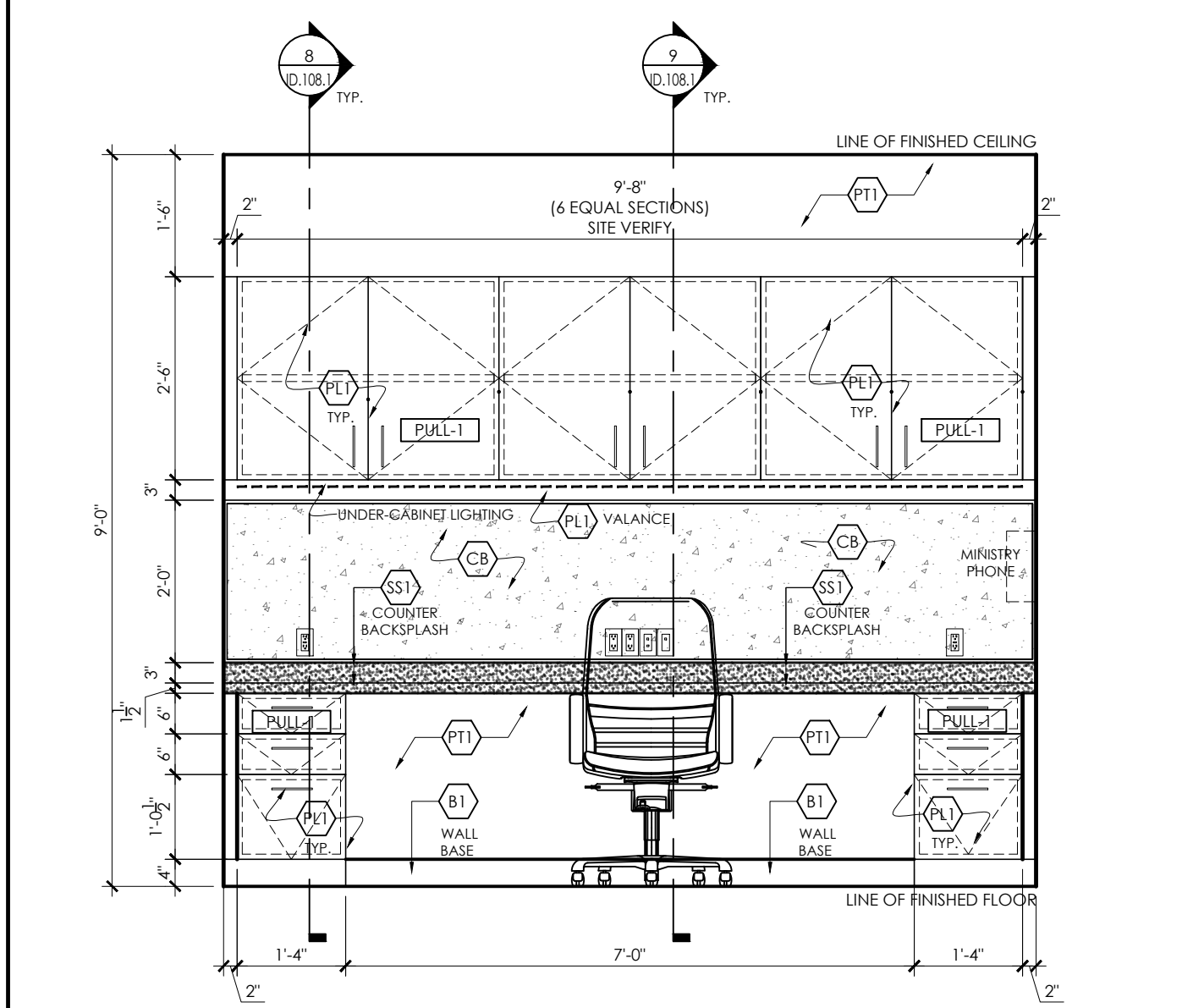
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ELEVATION: AREA 108  
1/2" = 1'-0"



6  
ID.108  
ELEVATION: AREA 104  
1/2" = 1'-0"



7  
ID.108  
ELEVATION: AREA 103  
1/2" = 1'-0"



8  
ID.108  
ELEVATION: AREA 102  
1/2" = 1'-0"

#### MILLWORK FINISHES LEGEND

SYMBOL	DESCRIPTION
	MELAMINE (CABINET INTERIORS) MANUFACTURER: UNIBOARD (OR SIMILAR) COLOUR: CANADIAN GREY 168 (SOLID GREY) FINISH: DOLOMITE
	PLASTIC LAMINATE FINISH #11 (VERTICAL) MANUFACTURER: UNIBOARD SERIES: RIVA COLOUR: H52 (BEIGE, WOODGRAIN) FINISH: BRUSHED ELM
	SOLID SURFACE #1 MANUFACTURER: CAESARSTONE (OR EQUAL) COLOUR: 2141 BUIZZARD MATERIAL THICKNESS: 19MM EDGE PROFILE: SQUARE
	CORKBOARD: CB1 MANUFACTURER: KROMMENIE CORK TACKBOARD: 12.7 MM (1/2") FACTORY PRELAMINATED CONSISTING OF 6 MM (1/4") THICK CB2 FORBO "BULLETIN BOARD" UNIOLEUM CORK LAMINATED TO 6 MM (1/4") PARTICLE BOARD SUBSTRATE UNDER MECHANICAL PRESSURE IN MAXIMUM PANEL SIZES OF 1219 MM X 2438 MM (4'-0" X 8'-0"). INSTALL DETAILS: BONDING OF MATERIALS BY A WATERPROOF ADHESIVE THAT WILL NOT DELAMINATE OR RUPTURE AT THE CONTACT SURFACES. SIZE: AS INDICATED ON DETAIL ELEVATIONS COLOUR/FINISH: TO BE CONFIRMED WITH YORK REGION STANDARD (2014 POPPY SEED CB 2142 DUCK EGG OR EQUIVALENT MATCH) WITH ALUMINIUM TRIM - SAME AS WB1
	WHITE BOARD: WB1 TYPE: PORCELAIN ENAMEL BOARD WITH PORCELAIN ENAMEL WRITING SURFACE ON 0.8 MM (0.031") 22 GAUGE HIGH QUALITY ENAMELING STEEL BASE. 11.1 MM (0.44") IMPREGNATED FIBREBOARD CORE AND 0.4 MM (0.016") 28 GAUGE STRETCHER LEVELLED ZINC COATED BACK SHEET. WRITING SURFACE AND BACK SHEET LAMINATED IN ONE PIECE UNDER MECHANICAL OR HYDRAULIC PRESSURE TO CORE. MANUFACTURER: ARCHITECTURAL SCHOOL PRODUCTS, DELTA PRODUCTS LTD, GLOBAL SCHOOL PRODUCTS INC. OR EQUIVALENT INSTALL DETAILS: BONDING OF MATERIALS BY A WATERPROOF ADHESIVE THAT WILL NOT DELAMINATE OR RUPTURE AT THE CONTACT SURFACES. SIZE: AS INDICATED ON DETAIL ELEVATIONS COLOUR/FINISH: WHITE WITH ALUMINIUM TRIM - SAME AS CB1
FOR ALL OTHER FINISHES: REFER TO FINISH PLANS (FLOOR- ID.104 & WALL- ID.105)	

#### MILLWORK HARDWARE LEGEND

SYMBOL	DESCRIPTION
	HINGES (ALL CUPBOARDS) MANUFACTURER: BLUM (OR EQUAL) MODEL: HINGE W/ 120° GRADE OPENING DISTRIBUTOR: RICHELIEU
	GLIDES (ALL DRAWERS) STANDARD FULL EXTENSION DRAWER SLIDE
	DOOR PULL #1 MANUFACTURER: RICHELIEU MODEL: CONTEMPORARY SS PULL 2102 SIZE: 6" (152 MM) FINISH: STAINLESS STEEL NOTE: MOUNTED AS SHOWN ON ELEVATIONS

#### MECHANICAL SPECIFICATIONS LEGEND

SYMBOL	DESCRIPTION
	SERVERY SINK (S-2) MANUFACTURER: YORK REGION STANDARDS MODEL: FRANKIE COMMERCIAL DOUBLE BOWL LL807508-1/3 (3-HOLE) OR KINDRED COMMERCIAL 8" CENTERSET SPECIAL REQUIREMENTS: FAUCET LEDGE STAINLESS STEEL (REFER TO MECH/ELEC ENGINEERING DRAWINGS FOR DETAILS) SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR
	SERVERY FAUCET (F-2) MANUFACTURER: CHICAGO FAUCET MODEL: YORK REGION STANDARD- 1100-L9-317KABCP FINISH: SATIN/ STAINLESS STEEL SPECIAL REQUIREMENTS: 3 HOLE 8" CENTERSET (REFER TO MECH/ELEC ENGINEERING DRAWINGS FOR DETAILS) SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR

#### MILLWORK NOTES

- THE CONTRACTOR SHALL CONFIRM ALL COLOURS, FINISHES, HARDWARE AND MATERIALS REQUIRED TO PERFORM THE WORK AS SPECIFIED.
- PRIOR TO FABRICATION OF MILLWORK THE CONTRACTOR MUST SUBMIT MILLWORK SHOP DRAWINGS FOR APPROVAL BY DESIGNER.
- LOCATION OF LAMINATE SEAMS ON WORK SURFACES SHALL BE INSPECTED AND APPROVED BY DESIGNER.
- ALL MILLWORK TO BE CONSTRUCTED OF 3/4" PLYWOOD WITH PLASTIC LAMINATE FINISH ON ALL EXPOSED FACES UNLESS NOTED OTHERWISE.
- MILLWORK CONTRACTOR SHALL COORDINATE INSTALLATION OF MILLWORK THROUGH THE GENERAL CONTRACTOR TO ENSURE THAT ALL REQUIRED BLOCKING IS PROVIDED IN DESIGNATED WALLS TO ACCOMMODATE LIVE WEIGHT REQUIREMENTS OF ALL MILLWORK COMPONENTS AND EQUIPMENT.
- AT COMPLETION, MILLWORK CONTRACTOR SHALL TOUCH-UP AND RESTORE SURFACES WHERE DAMAGED AND LEAVE FINISHED SURFACES IN GOOD CONDITION.
- COORDINATION REQUIRED FOR UNDER- CABINET LIGHTING (REFER TO ID.102 FOR DETAILS)

#### PLUMBING NOTES

- PROVIDE FIXTURE AS SPECIFIED. ANY SUBSTITUTION IS TO BE EQUAL IN QUALITY AND WARRANTY AND MUST BE APPROVED BY SQIN DESIGNER PRIOR TO PURCHASE.
- PROVIDE SHIELDING FOR ALL SINK TRAPS AS PER ADA STANDARDS.

squared in inc.

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IN ASSOCIATION WITH:

CSPACE  
ARCHITECTURE  
23.03.13

85-8847 LOCATED 2020-01-01, 2020-01-01, 2020-01-01  
15-647-2020-01-01, 2020-01-01, 2020-01-01

ONTARIO ASSOCIATION  
OF  
ARCHITECTS  
CHRISTOPHER CLARKE PRETOTTO  
LICENCE  
6708

no. date by description

REVISIONS

03 10NOV23 JL RE-ISSUE FOR TENDER

02 13MAR23 JL ISSUED FOR PERMIT & TENDER

01 22FEB2023 JL ISSUE FOR 100 % REVIEW

no. date by description

ISSUED

CLIENT

York Region

project title

YORK REGION  
PARAMEDIC RESPONSE STATION  
12825 KEELE STREET  
KING CITY, ON. L7B 1H7

drawing title

MILLWORK ELEVATIONS  
MAIN LEVEL

date

DEC2022

project no.

22.017

drawn by

JL

cod file:

22.017\_ID.108\_DET

checked by

CP

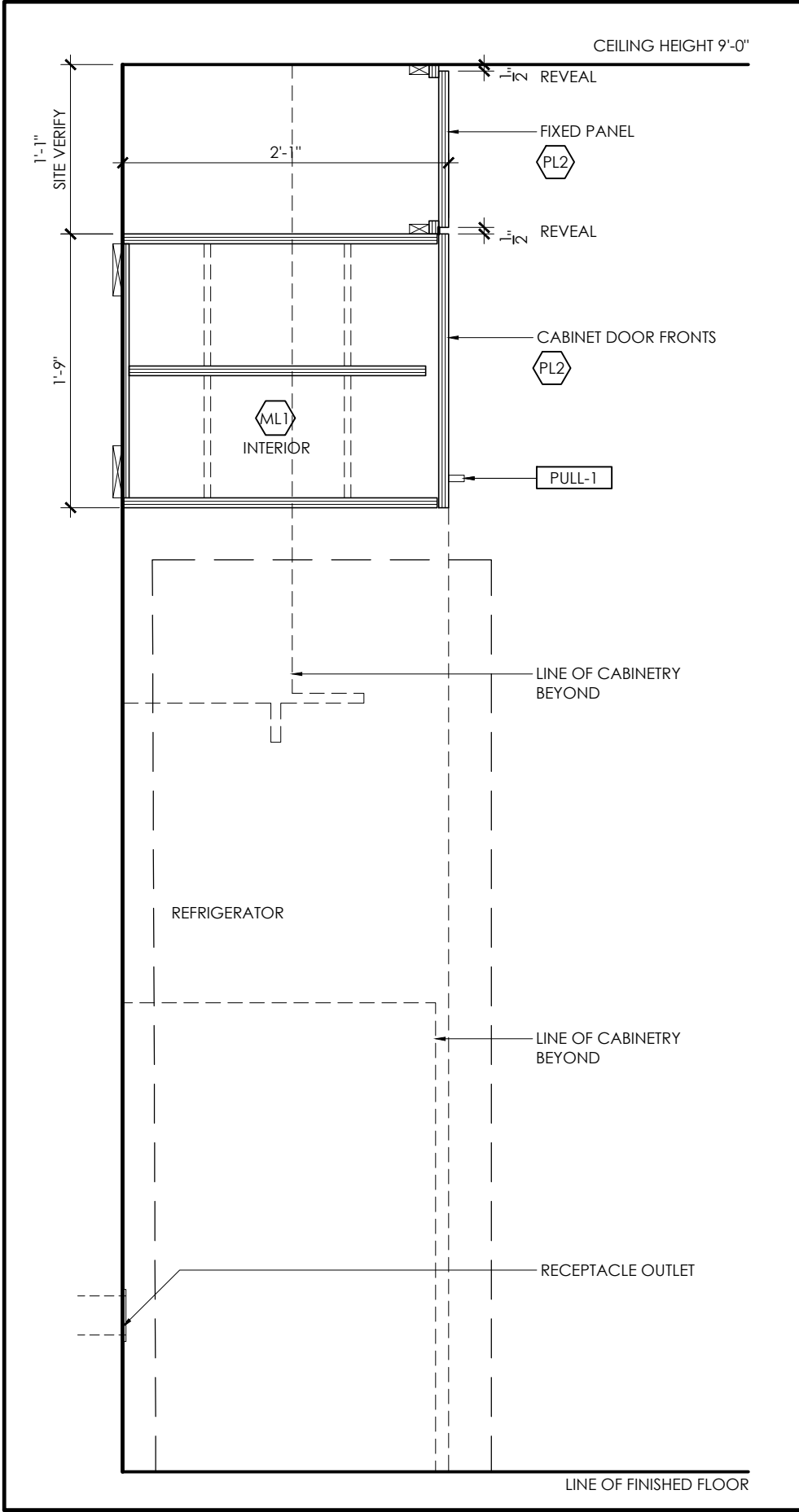
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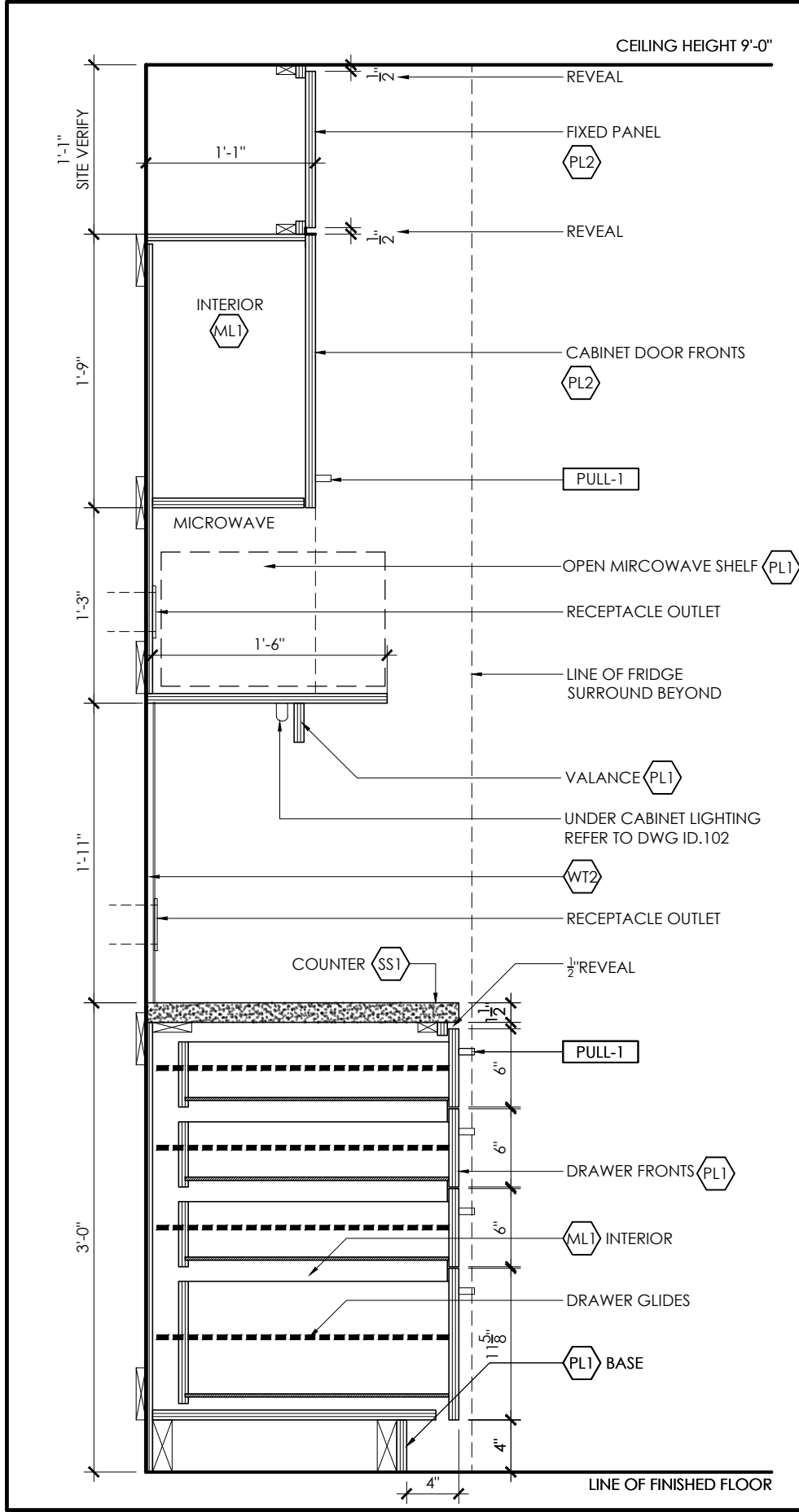
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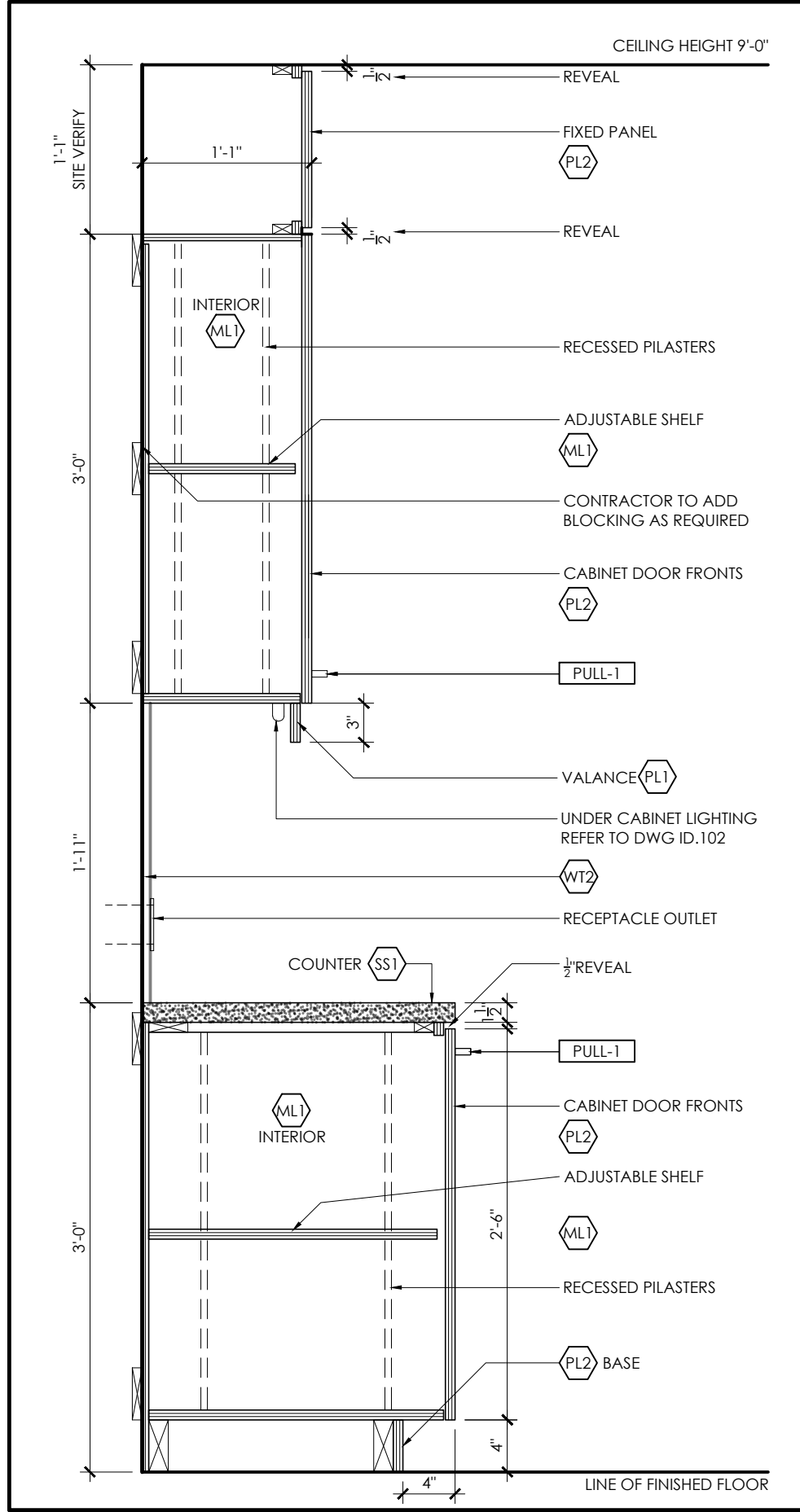




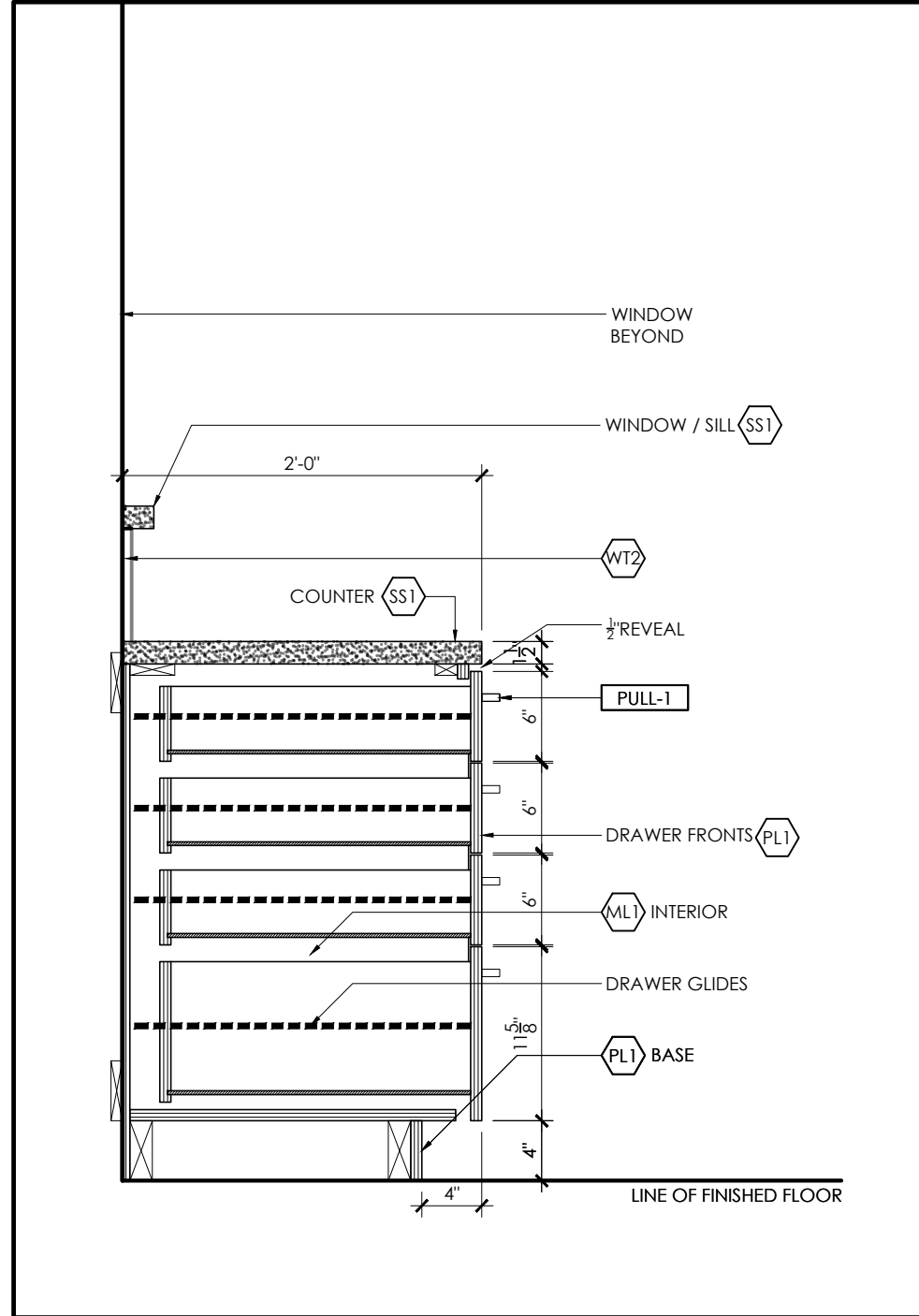
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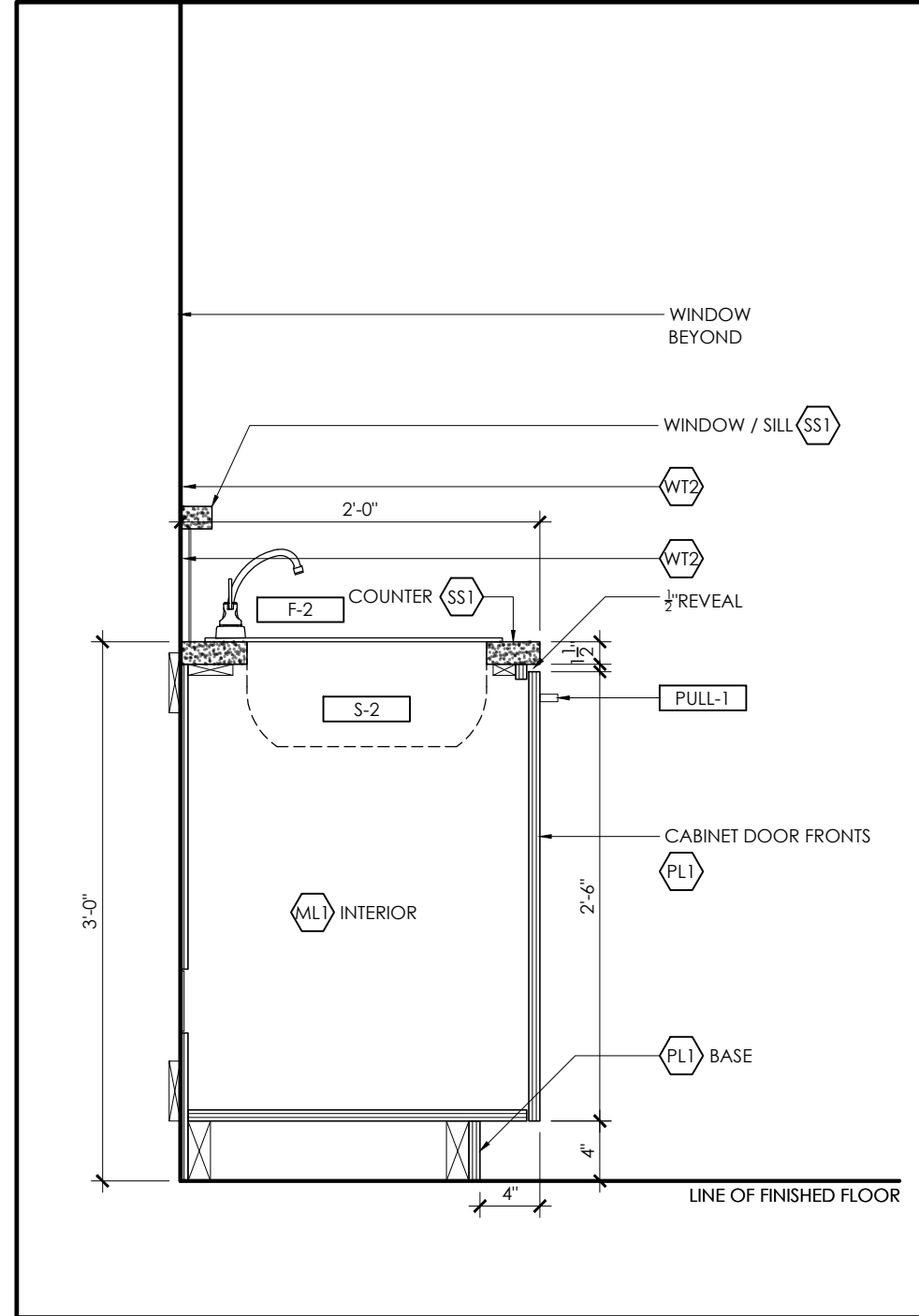
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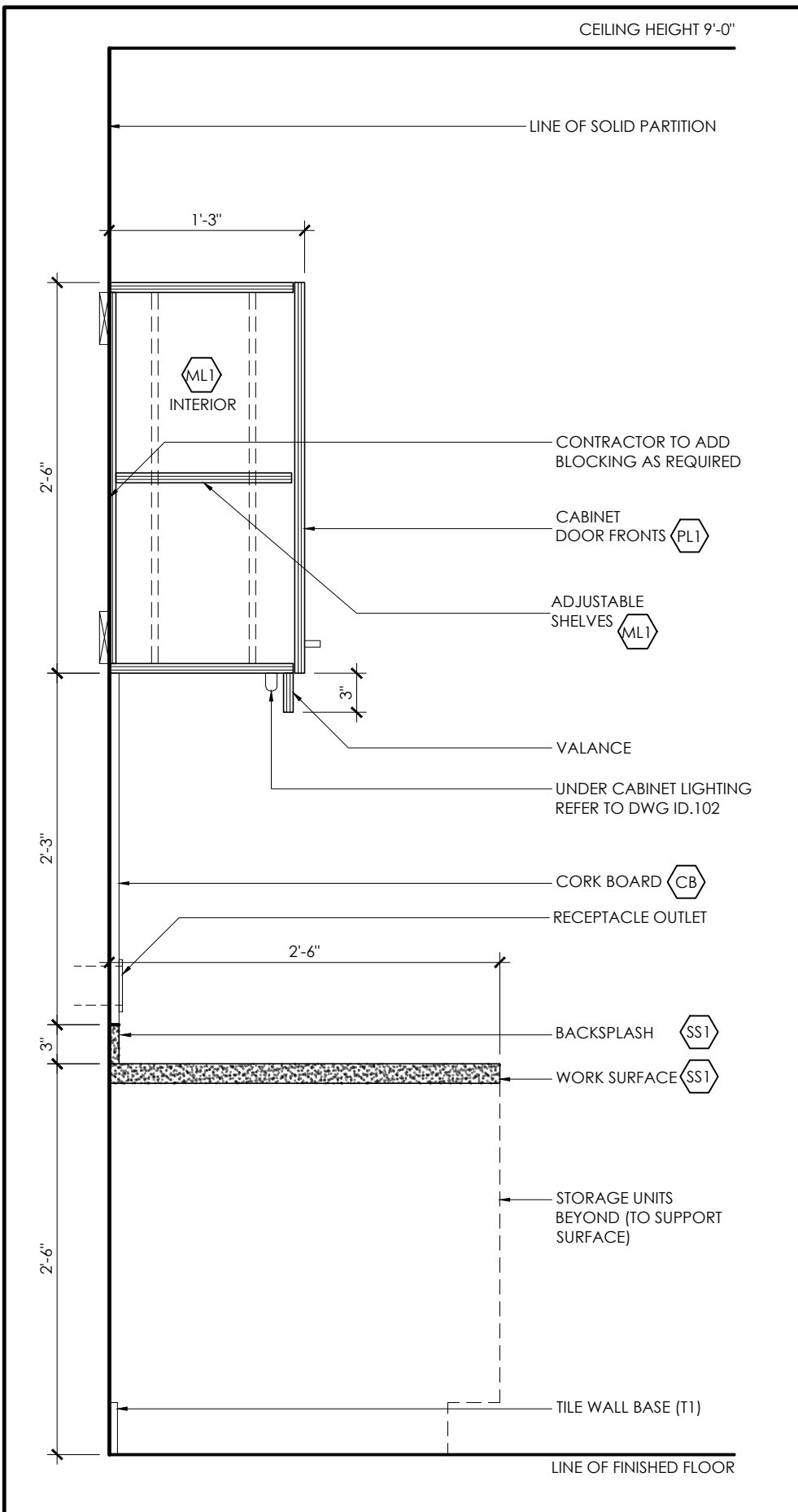
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ID.108.1 1" = 1'-0"



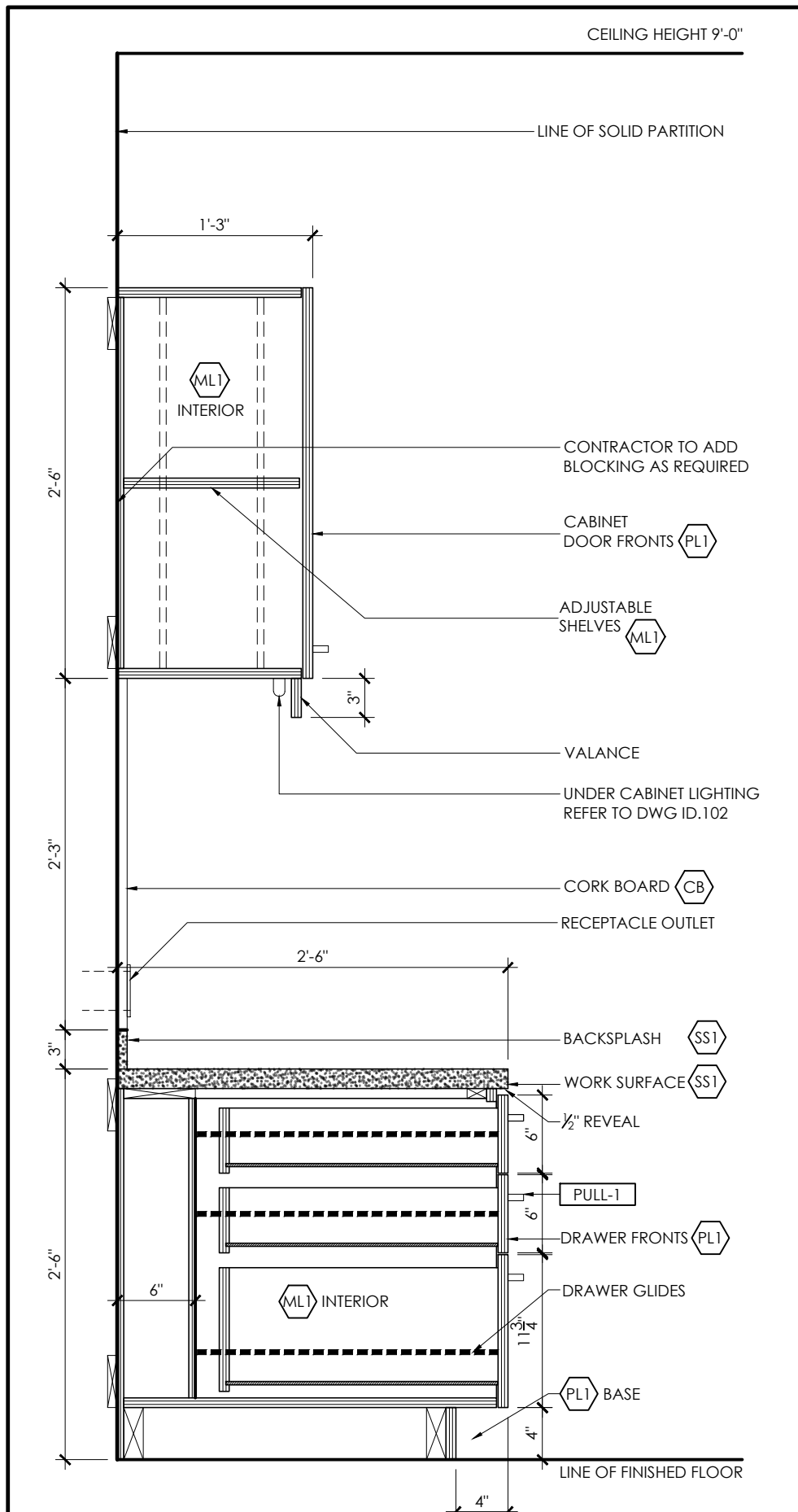
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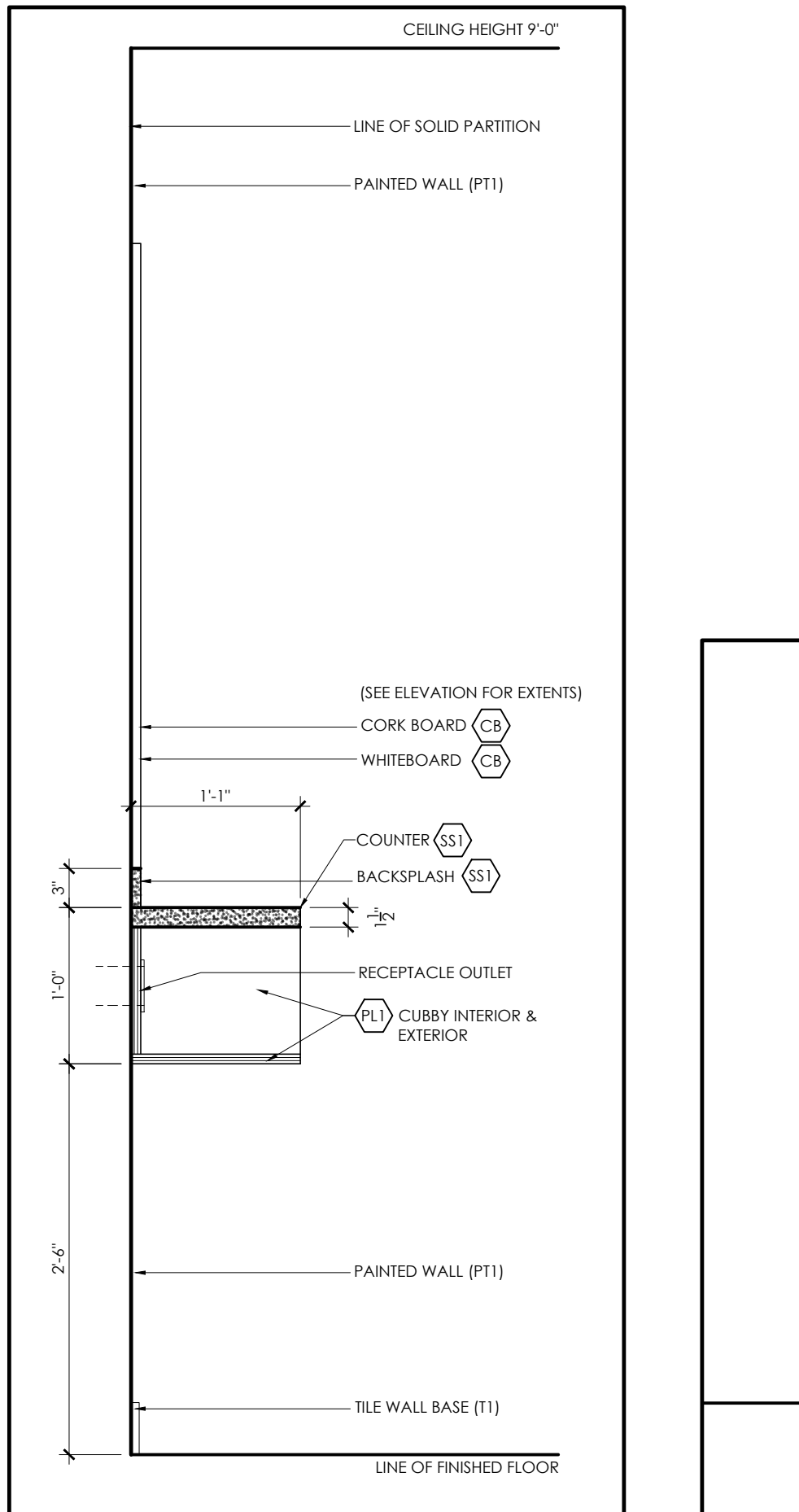
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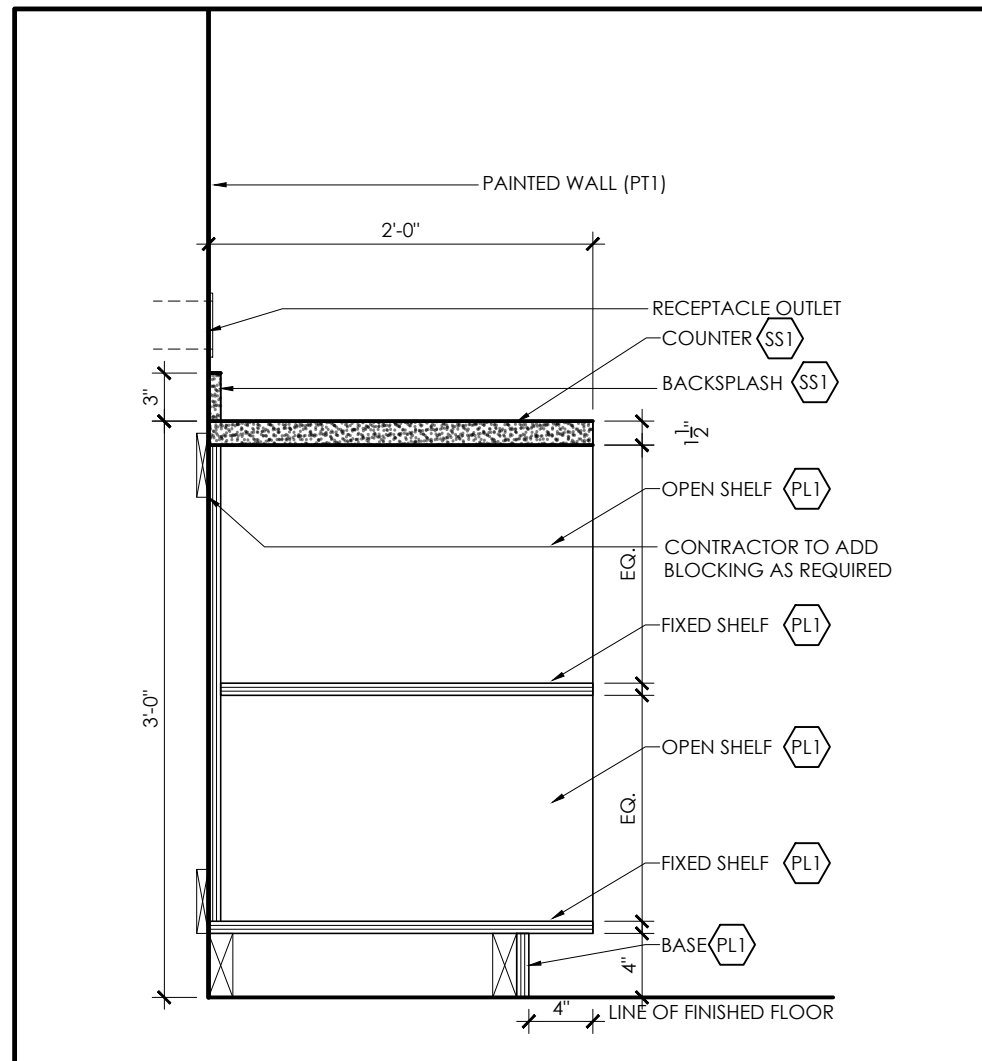
8 SECTION: AREA 102 & 103 (TYPICAL)  
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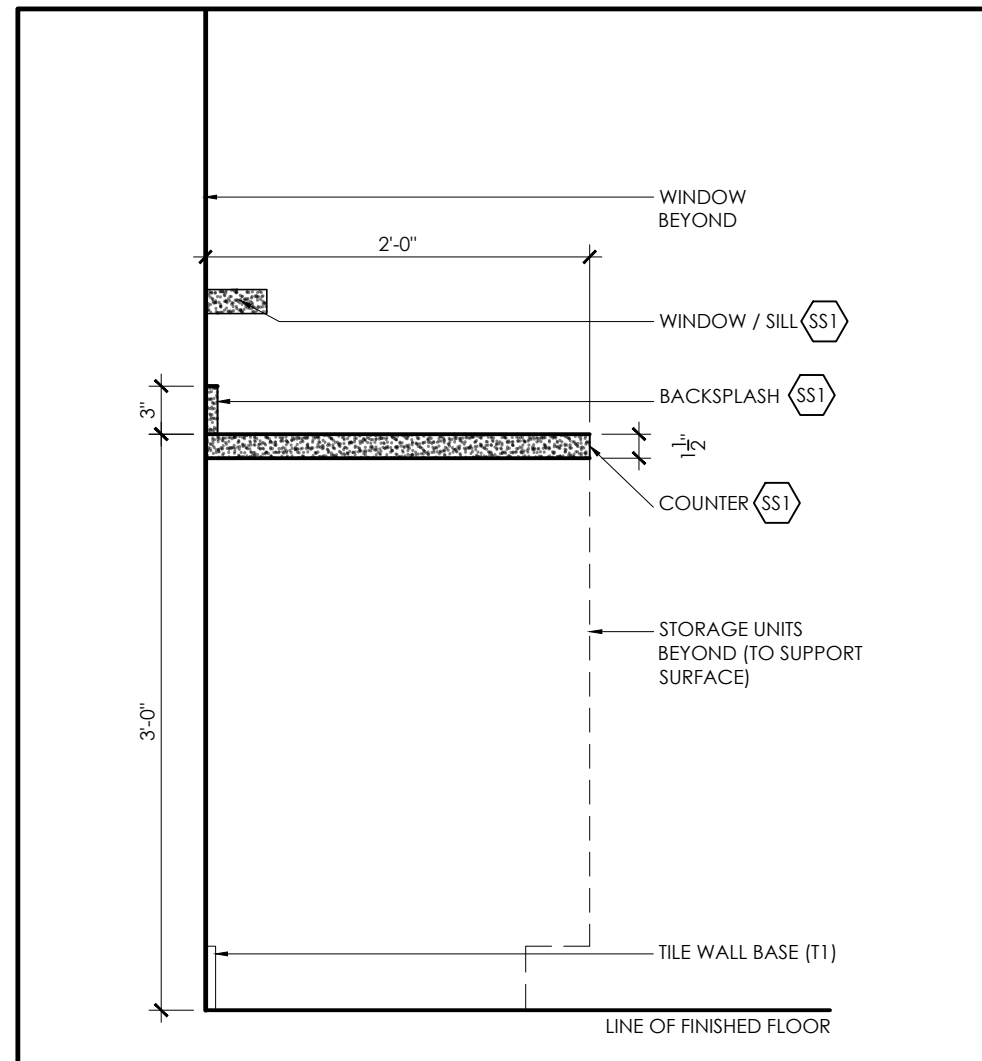
9 SECTION: AREA 102 & 103 (TYPICAL)  
ID.108.1 1" = 1'-0"



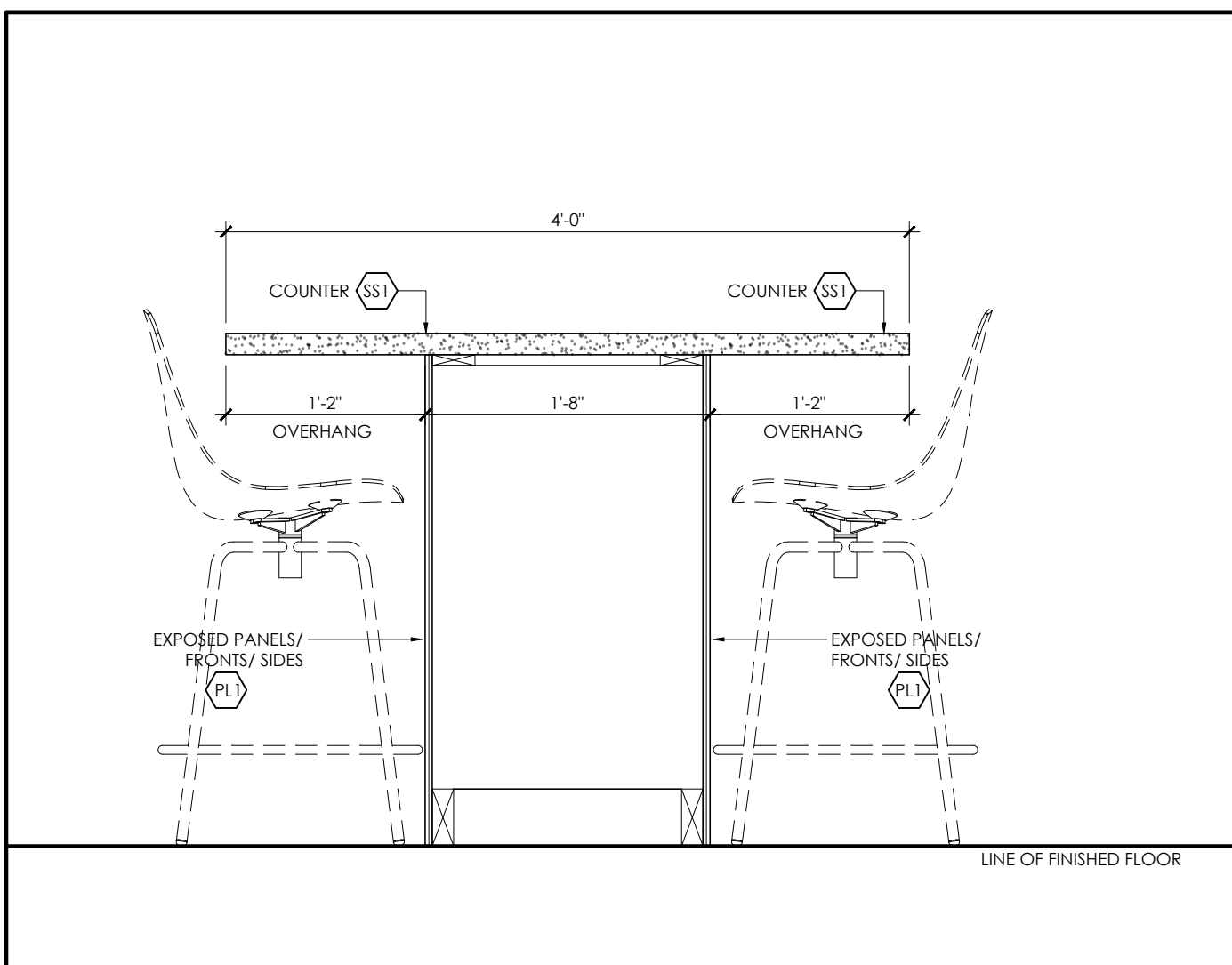
10 SECTION: AREA 104  
ID.108.1 1" = 1'-0"



6 SECTION: AREA 108  
ID.108.1 1" = 1'-0"



7 SECTION: AREA 108  
ID.108.1 1" = 1'-0"



11 SECTION: AREA 109 (THRU. ISLAND CABINET)  
ID.108.1 1" = 1'-0"

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IN ASSOCIATION WITH:

CSPACE  
ARCHITECTURE

80-8881 COUNCIL ROAD, UNIT 101, SCARBOROUGH, ONTARIO M1V 4Y7  
TEL: 416-291-1111 FAX: 416-291-1112



no.	date	by	description

#### REVISIONS

no.	date	by	description

03	10NOV23	JL	RE-ISSUE FOR TENDER
02	13MAR23	JL	ISSUED FOR PERMIT & TENDER
01	22FEB2023	JL	ISSUE FOR 100 % REVIEW

#### ISSUED

#### CLIENT

York Region

#### Project title

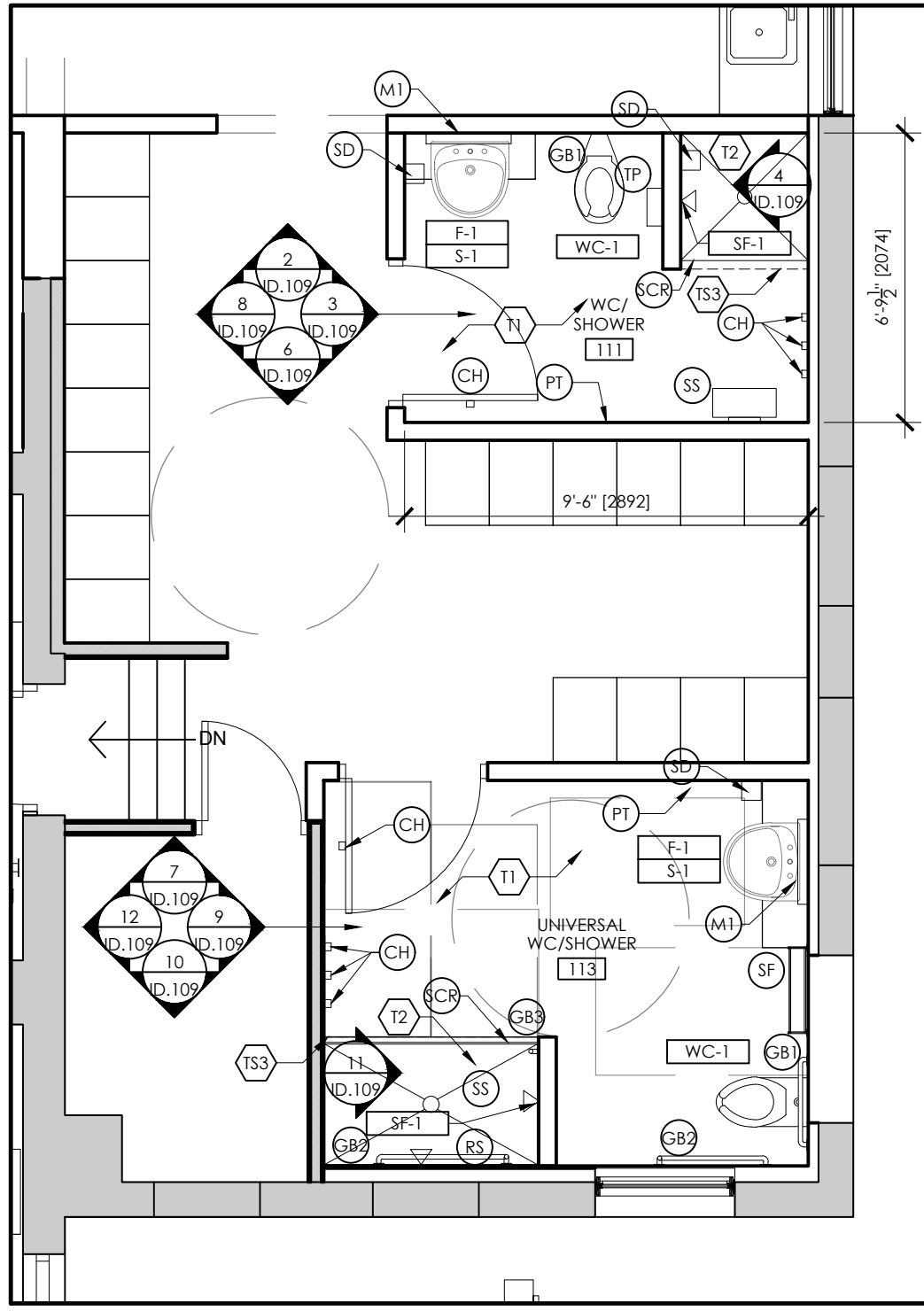
YORK REGION  
PARAMEDIC RESPONSE STATION  
12825 KEELE STREET  
KING CITY, ON. L7B 1H7

#### Drawing title

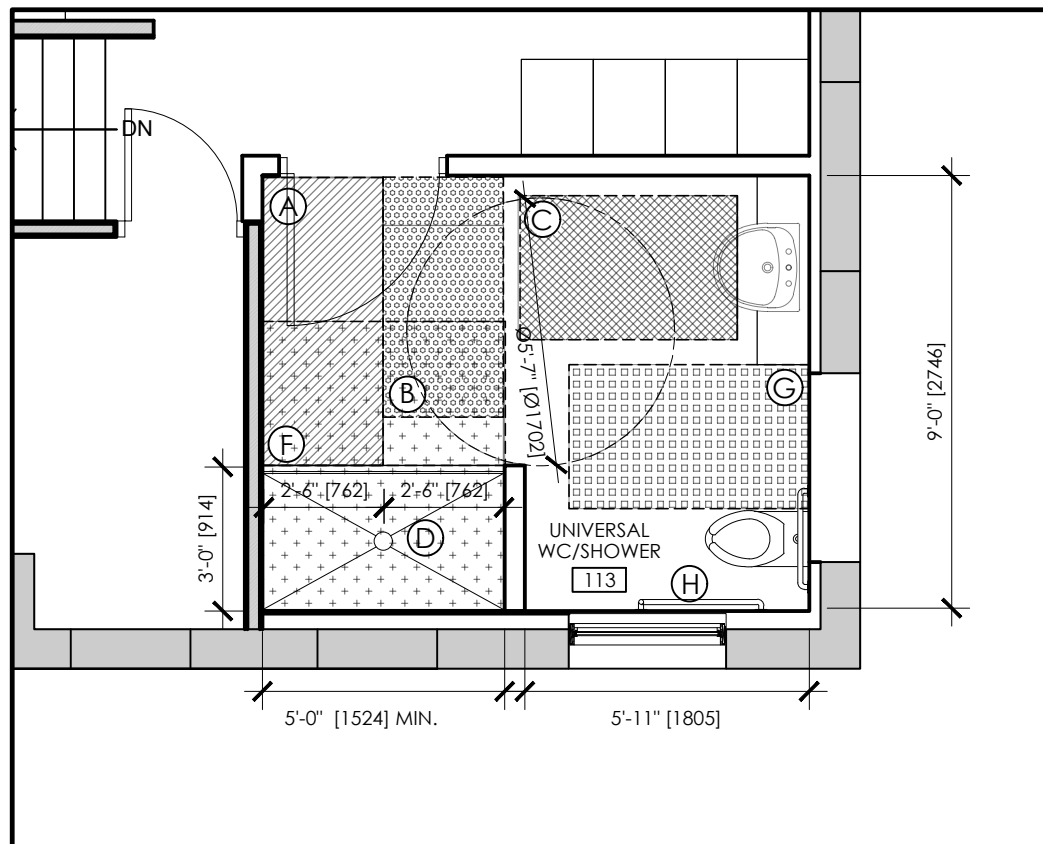
MILLWORK SECTIONS  
MAIN LEVEL

date DEC2022	project no. 22.017
drawn by JL	cod file: 22.017_ID.108.1_DET
checked by CP	drawing no. ID.108.1
scale 1:100	

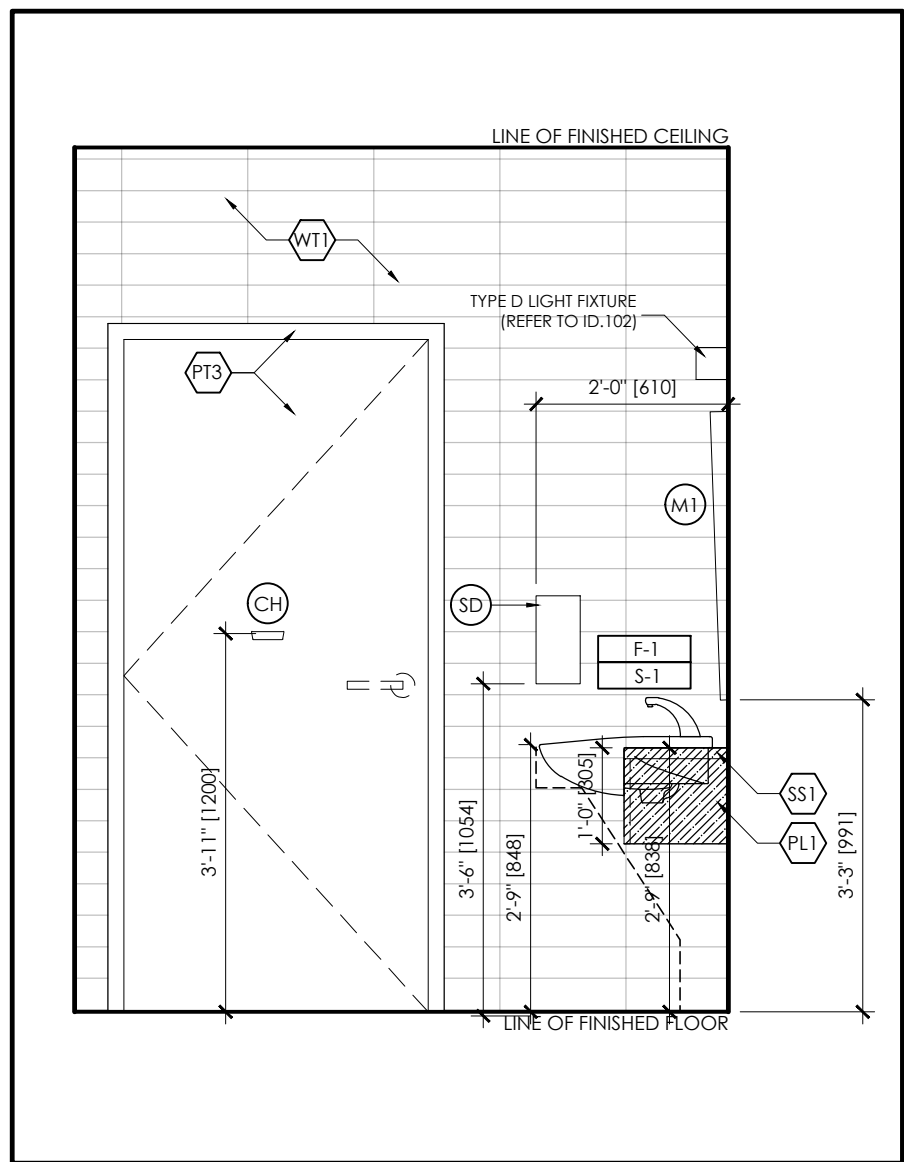




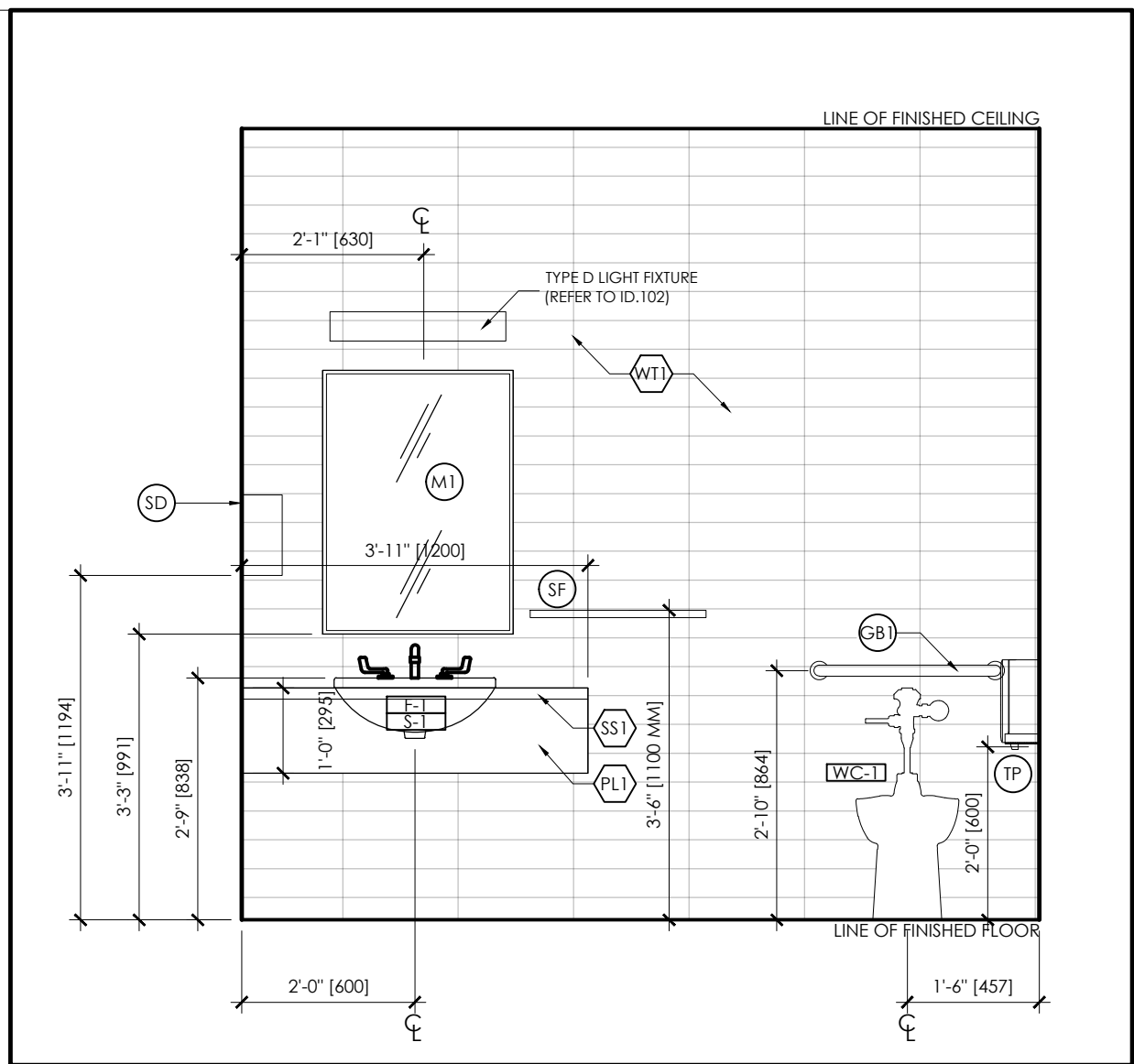
1 PLAN: WASHROOM 111 & 113  
1/4" = 1'-0"



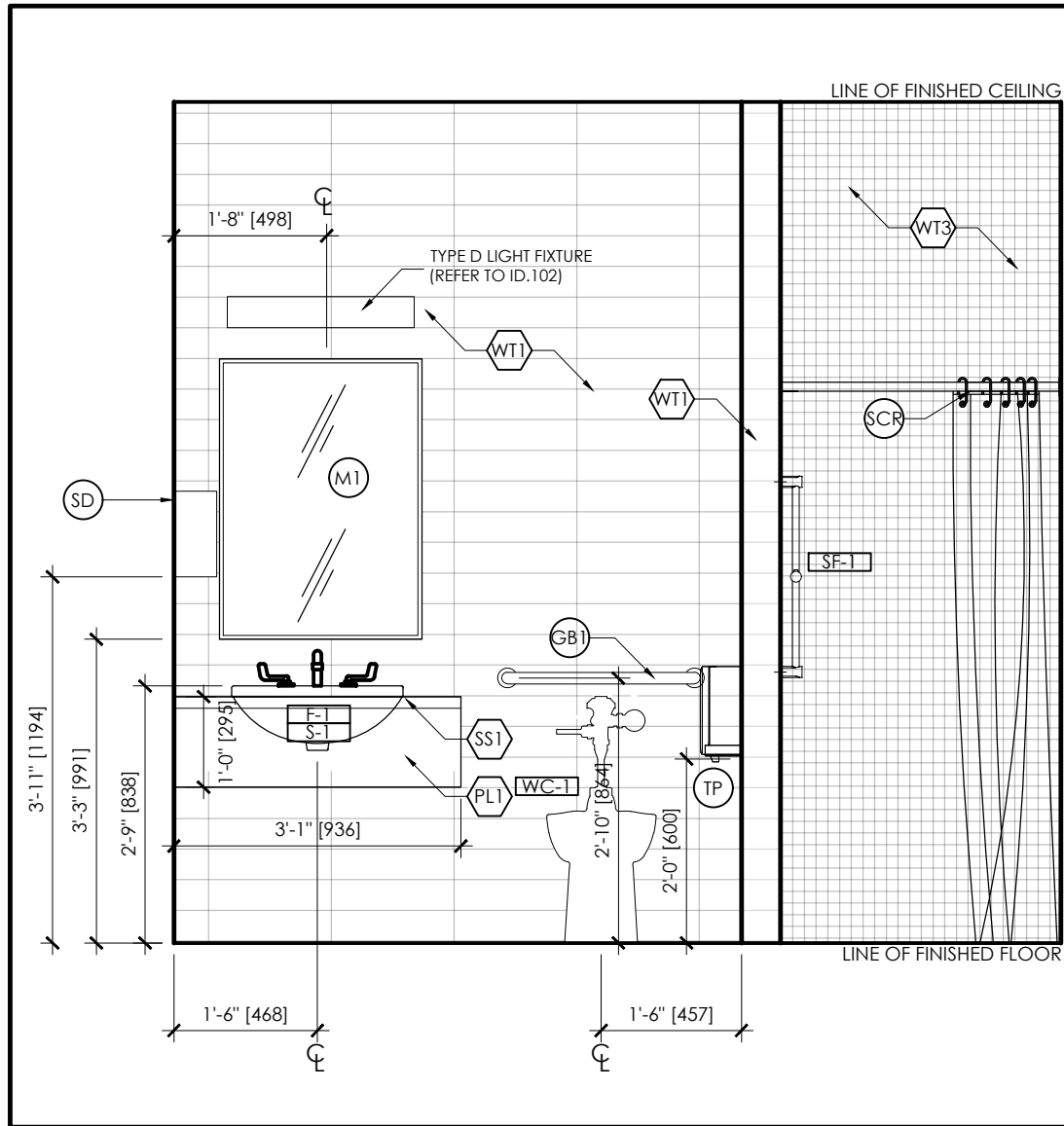
5 PLAN: WASHROOM 113 (CLEARANCES)  
1/4" = 1'-0"



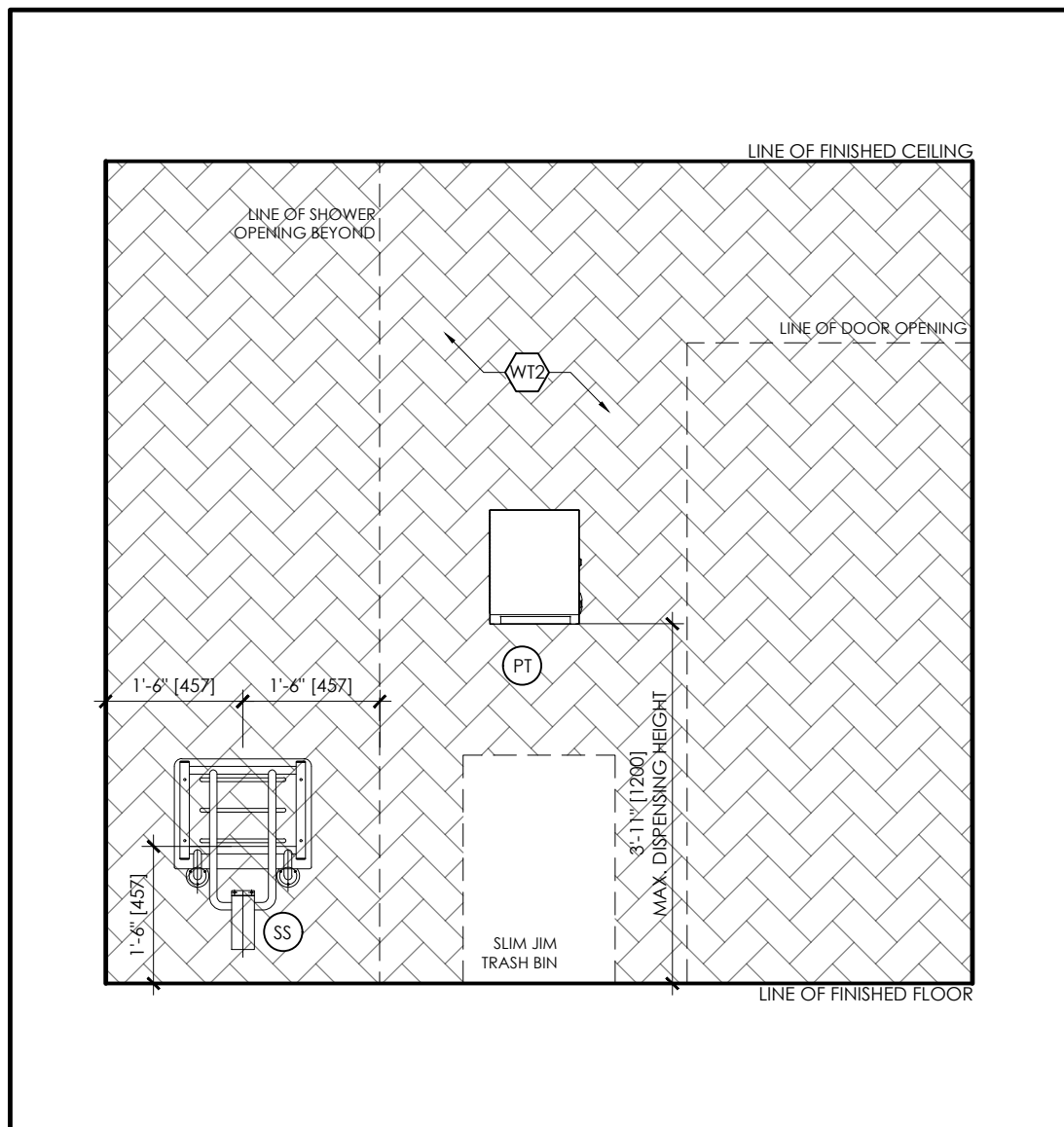
8 ELEVATION: WASHROOM 111  
1/2" = 1'-0"



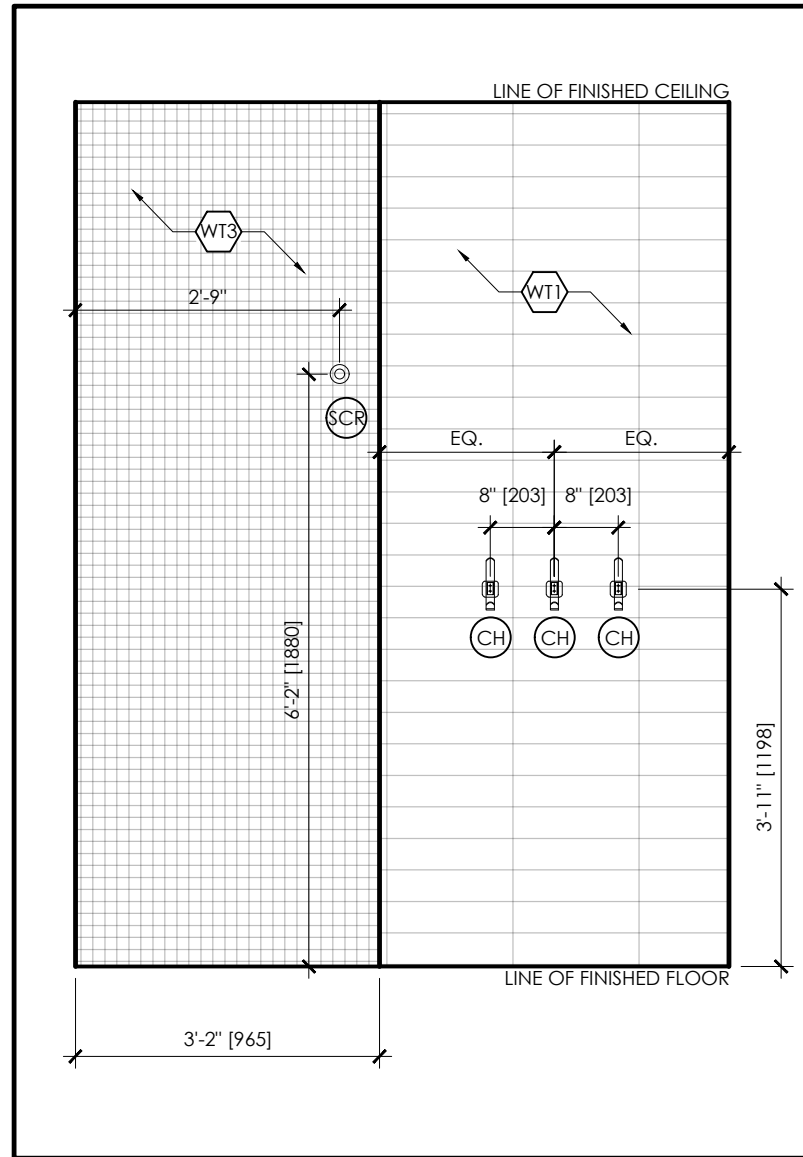
9 ELEVATION: WASHROOM 113 (UNIVERSAL)  
1/2" = 1'-0"



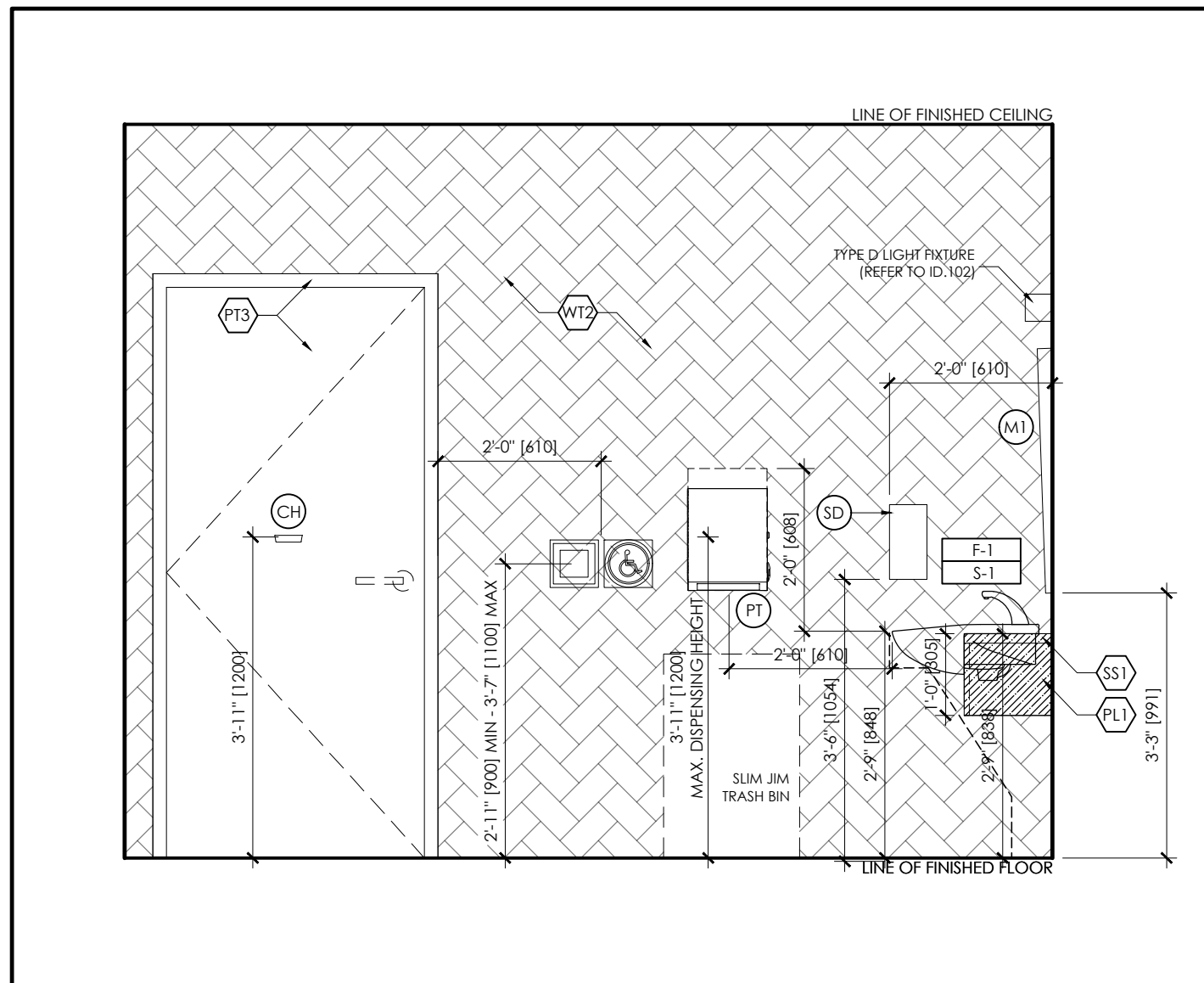
2 ELEVATION: WASHROOM 111  
1/2" = 1'-0"



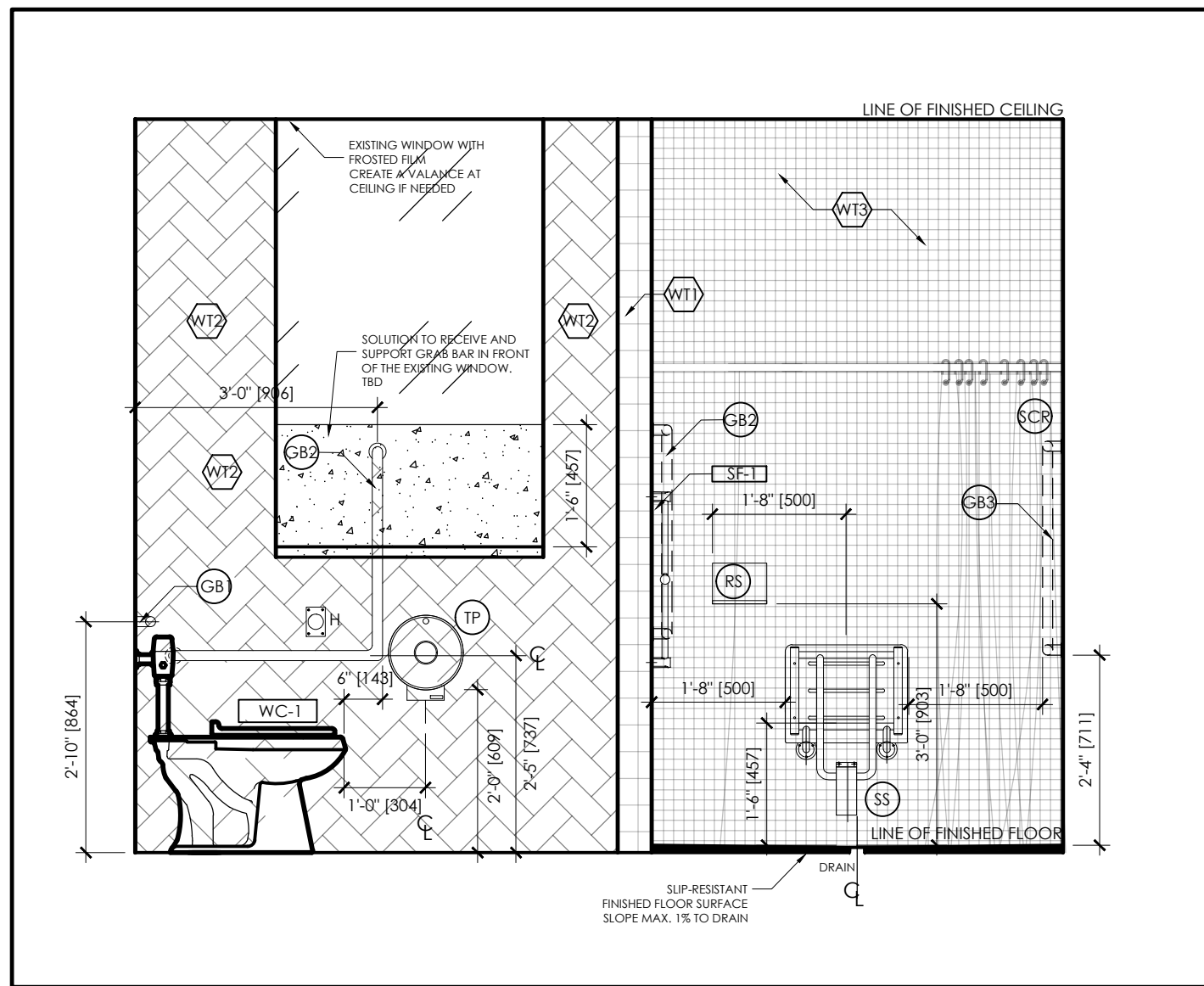
6 ELEVATION: WASHROOM 111  
1/2" = 1'-0"



3 ELEVATION: WASHROOM 111  
1/2" = 1'-0"



7 ELEVATION: WASHROOM 113 (UNIVERSAL)  
1/2" = 1'-0"



10 ELEVATION: WASHROOM 113 (UNIVERSAL)  
1/2" = 1'-0"

#### WASHROOM FINISHES LEGEND

SYMBOL	DESCRIPTION
11	PORCELAIN TILE #1: T1 MANUFACTURER: STONETILE SERIES/TYPE: BETONTECH COLOUR: MUD SIZE: 300 MM X 400 MM (12" X 24") GROUT SPEC: MAPEI #107 IRON INSTALL METHOD: 1/2" RUNNING BOND, 25% OVERLAP
12	PORCELAIN TILE #2: T2 (SAME AS WALL TILE - WT3) MANUFACTURER: OLYMPIA TILE SERIES / TYPE: ONTARIO COLOUR/FINISH: DARK GREY/MATTE SIZE: 50 MM X 50 MM (2"x2") SHEET SIZE: 300 MM X 500 MM (12"x20") GROUT SPEC: MAPEI #38 AVALANCHE INSTALL METHOD: SHEET (STACKED)
PT3	DOOR & FRAME PAINT: PT3 (BLACK) MANUFACTURER: DULUX COLOUR: FOREST BLACK 30YY 10/038 FINISH: SEMI-GLOSS
WT1	WALL TILE - WT1 MANUFACTURER: OLYMPIA TILE SERIES / TYPE: ONTARIO COLOUR/FINISH: WARM WHITE / MATTE SIZE: 100 MM X 400 MM (4" X 16") GROUT: MAPEI #38 AVALANCHE INSTALL METHOD: HORIZONTALLY STACKED
WT2	WALL TILE - WT2 MANUFACTURER: OLYMPIA TILE SERIES / TYPE: ONTARIO COLOUR/FINISH: BLACK/MATTE SIZE: 100 MM X 400 MM (4" X 16") GROUT: MAPEI #38 AVALANCHE INSTALL METHOD: HERRINGBONE (WASHROOMS)
WT3	WALL TILE - WT3 (SHOWER WALLS) MANUFACTURER: OLYMPIA TILE COLOUR/FINISH: DARK GREY/MATTE SIZE: 50 MM X 50 MM (2"x2") SHEET SIZE: 300 MM X 500 MM (12"x20") GROUT: MAPEI #107 IRON INSTALL METHOD: SHEET (STACKED)
PL1	PLASTIC LAMINATE FINISH #1 (VERTICAL) MANUFACTURER: UNIBOARD SERIES: RIVA COLOUR: H52 (BEIGE, WOODGRAIN) FINISH: BRUSHED ELM
SS1	SOLID SURFACE #1 MANUFACTURER: CAESARSTONE (OR EQUAL) TYPE/FINISH: ADA/1 STAINLESS STEEL MATERIAL THICKNESS: 19MM EDGE PROFILE: SQUARE
TS3	TRANSITION STRIP #3: TS3 MANUFACTURER: SCHULTER (OR EQUAL) TYPE/FINISH: ADA/1 STAINLESS STEEL CONDITION: WHERE T1 MEETS T2 NOTE: PLUS AT WALL TILE TRANSITIONS

#### UNIVERSAL WASHROOM NOTES

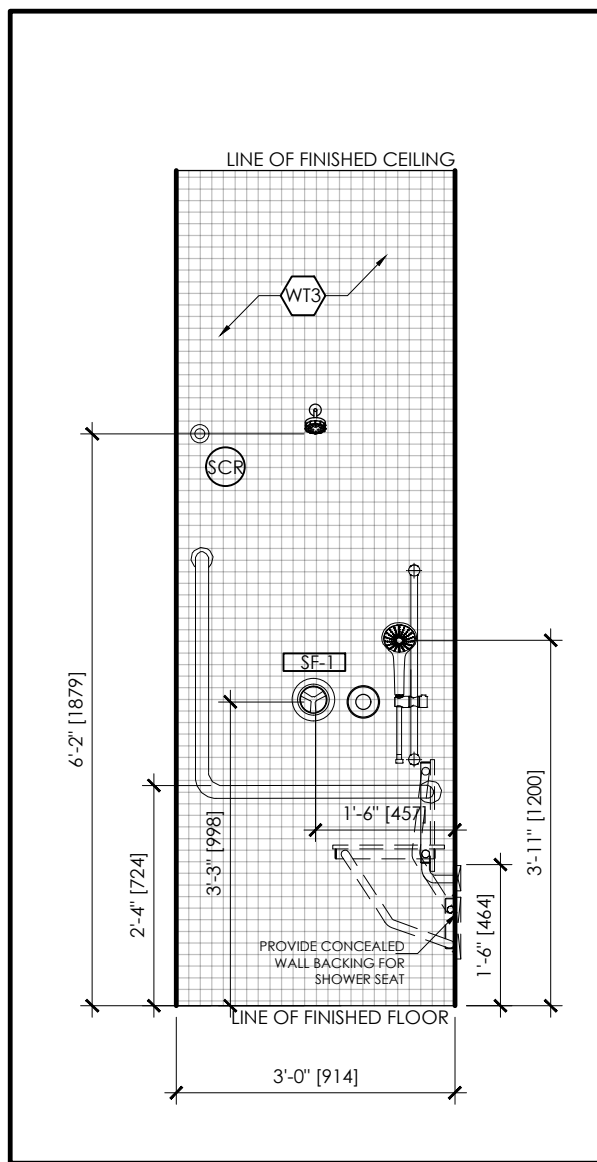
SYMBOL	DESCRIPTION
A	Denotes beveled threshold to be 0.5" (13mm) MAX. HEIGHT ABOVE ADJACENT FINISHED FLOOR. SLIP-RESISTANT FINISHED FLOOR SURFACE SLOPE MAX. 1% TO DRAIN
B	Denotes future accommodation for adult change table. ALLOW FOR FOOTPRINT OF 30" (762 MM) X 72" (1829 MM) + CLEAR SPACE IN FRONT OF 30" (762 MM) X 60" (1524 MM)
C	Denotes front sink approach clearance. ALLOW FOR CLEAR SPACE FOOTPRINT OF 36" (900 MM) X 55" (1390 MM). HAVE A CLEARANCE BENEATH THE LAVATORY NOT LESS THAN, 920 MM WIDE, 735 MM HIGH AT THE FRONT EDGE, 465 MM HIGH AT A POINT 205 MM BACK FROM THE FRONT EDGE, 350 MM HIGH FROM A POINT 300 MM BACK FROM THE FRONT EDGE TO THE WALL.
D	Denotes floor drain. DRAIN WITHIN IN SHOWER ON CENTER. FLOOR DRAIN OUTSIDE SHOWER TO ACCOMMODATE SLOPE, WHILE AVOIDING A THRESHOLD BEYOND THE MAXIMUM. SEE MECHANICAL ENGINEERS DRAWINGS FOR DETAILS ON DRAINAGE.
F	Denotes shower to be not less than 60" (1500 MM) WIDE AND 36" (900 MM) DEEP. HAVE A CLEAR FLOOR SPACE AT THE ENTRANCE TO THE SHOWER NOT LESS THAN 36" (900 MM) DEEP AND THE SAME WIDTH AS THE SHOWER, EXCEPT THAT FIXTURES ARE PERMITTED TO PROJECT INTO THAT SPACE PROVIDED THEY DO NOT RESTRICT ACCESS TO THE SHOWER.
G	Denotes size approach toilet access clearance. ALLOW FOR CLEAR SPACE FOOTPRINT OF 36" (914 MM) X 60" (1524 MM) ADJACENT TO THE TOILET
H	Denotes an emergency call system that consists of AUDIBLE AND VISUAL SIGNAL DEVICES INSIDE AND OUTSIDE OF THE WASHROOM THAT ARE ACTIVATED BY A CONTROL DEVICE INSIDE THE WASHROOM, AND AN EMERGENCY SIGN THAT CONTAINS THE WORDS "IN THE EVENT OF AN EMERGENCY PUSH EMERGENCY BUTTON AND AUDIBLE AND VISUAL SIGNAL WILL ACTIVATE" IN LETTERS AT LEAST 25 MM HIGH WITH A 5 MM STROKE AND THAT IS POSTED ABOVE THE EMERGENCY BUTTON.

#### WASHROOM ACCESSORIES LEGEND

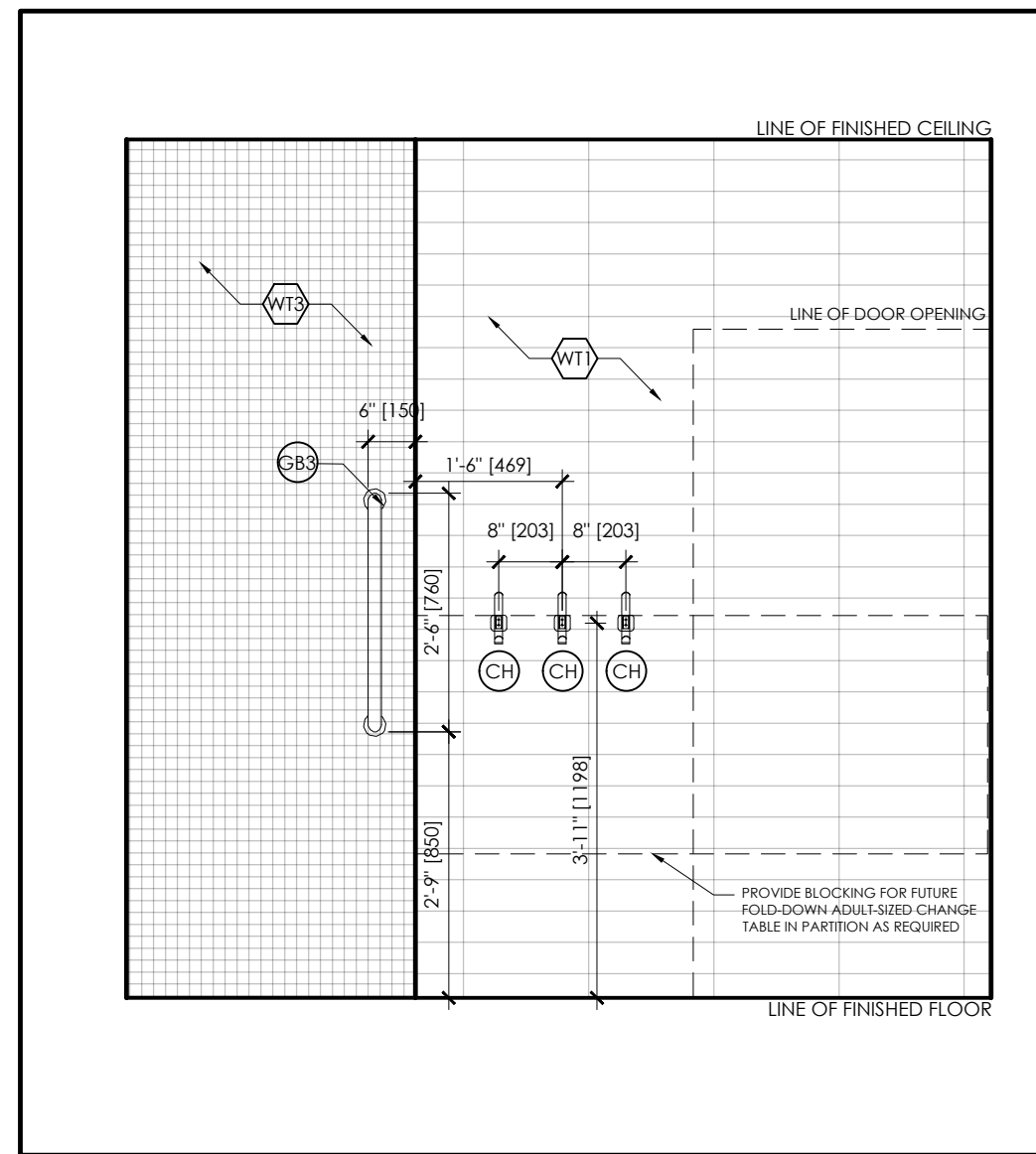
SYMBOL	DESCRIPTION
SB1	GRAB BAR #1 (24" LENGTH) YORK REGION STANDARD + BARRIER FREE REQUIREMENT DENOTES 1-3/8" TO 1-5/8" DIA. W/ SLIP-RESISTANT SURFACE. PEENED GRIP S.S. (MOUNTING AS INDICATED)
SB2	GRAB BAR #2 (30" X 30" L/H L-SHAPED) YORK REGION STANDARD + BARRIER FREE REQUIREMENT DENOTES 1-3/8" TO 1-5/8" DIA. W/ SLIP-RESISTANT SURFACE. PEENED GRIP S.S. (MOUNTING AS INDICATED)
SB3	GRAB BAR #3 (8'-SHOWER-30" LENGTH - STRAIGHT) YORK REGION STANDARD + BARRIER FREE REQUIREMENT WALL MOUNTED CONTINUOUS VERTICAL 30" LONG MM GRAB BAR LOCATED (6") 50 MM FROM SHOWER EDGE AND BETWEEN 700MM TO 800 MM AFF.
TP	TOILET PAPER DISPENSER MANUFACTURER: YORK REGION STANDARD SERIES / MODEL: FINISH: TO BE PROVIDED AND INSTALLED BY GC
SP	SOAP DISPENSER MANUFACTURER: YORK REGION STANDARD SERIES/MODEL: FINISH: TO BE PROVIDED AND INSTALLED BY GC
RS	RECESSED SOAP DISPENSER MANUFACTURER: YORK REGION STANDARD SERIES/MODEL: (FOR UNIVERSAL SHOWER TO BE REACHABLE FROM SHOWER SEAT) TO BE PROVIDED AND INSTALLED BY GC
PT	PAPER TOWEL DISPENSER MANUFACTURER: YORK REGION STANDARD SERIES/MODEL: FINISH: TO BE PROVIDED AND INSTALLED BY GC
M1	MIRROR #1 MANUFACTURER: BOBBICK SERIES: FIXED POSITION TILT MIRROR MODEL: B-293 2436 SIZE: 24" W X 36" H (610 X 915)
SCR	SHOWER CURTAIN RODS/RINGS/CURTAINS MANUFACTURER: BOBBICK RODS: B-207 X#8 (3/8" - AREA 111, 60" - AREA 113) RINGS/HOOKS: B-204-1 (X QTY NEEDED FOR EACH AREA) CURTAINS: B-204-2 (42" X 72" - AREA 111) & B-204-3 (70" X 72" - AREA 113) TYPE: STAINLESS STEEL / WHITE NOTE: CONTRACTOR TO CONFIRM QUANTITIES. PROVIDE & INSTALL
SS	SHOWER SEAT MANUFACTURER: BOBBICK SERIES: SOLID PHENOLIC FOLDING SHOWER/DRESSING SEAT MODEL: B-5191 COLOUR: IVORY/ STAINLESS STEEL
SF	UTILITY SHELF MANUFACTURER: BOBBICK SERIES: BARRIER-FREE MOUNTED - (MAX 3'-6" OR 1100MM) MODEL: B-295 324 (WITHH) FINISH: STAINLESS STEEL
CH	CLOTHES HOOK MANUFACTURER: BOBBICK SERIES: SURFACE MOUNTED COAT MOUNTING HEIGHT: AS INDICATED MODEL: B-4827 FINISH: SATIN-FINISH STAINLESS STEEL

#### PLUMBING EQUIPMENT LIST

SYMBOL	DESCRIPTION
S-1	WASHROOM SINK (S-1) MANUFACTURER: AMERICAN STANDARD MODEL: W222 3 HOLE, 8" SPREAD- ADA 9940.803 SPECIAL REQUIREMENTS: SEMI-COUNTER (REFER TO MECH. ENGINEERING DRAWINGS FOR DETAILS) NOTE: PROVIDE SHIELDING FOR ALL SINK TRAPS AS PER ADA STANDARDS
F-1	WASHROOM FAUCET (F-2) MANUFACTURER: CHICAGO FAUCET MODEL: 404-317XCP FINISH: SATIN CHROME/ STAINLESS STEEL SPECIAL REQUIREMENTS: 3 HOLE ADA SINK (REFER TO MECH. ENGINEERING DRAWINGS FOR DETAILS)
WC-1	WATER CLOSET (WC-1) MANUFACTURER: AMERICAN STANDARD MODEL: YORK REGION STANDARD, MADERA FLOWWISE ELONGATED FLUSHOMETER - SUDAN REGAL XL C/W (CENTICO SOLID PLASTIC SEAT 828035) FINISH: WHITE (REFER TO MECH/ELC ENGINEERING DRAWINGS FOR DETAILS)
SF-1	SHOWER SYSTEM (SF-2) MANUFACTURER: CHICAGO FAUCET MODEL: SHOWER HEAD + THERMO VALVE SH-P81-02-000 SHOWER BAR HAND-HELD 51-A-CP DIVERTER 743-CP FINISH: SATIN CHROME / STAINLESS STEEL (REFER TO MECH. ENGINEERING DRAWINGS FOR DETAILS) SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR



11 ELEVATION: 113  
1/2" = 1'-0"



12 ELEVATION: WASHROOM 113 (UNIVERSAL)  
1/2" = 1'-0"

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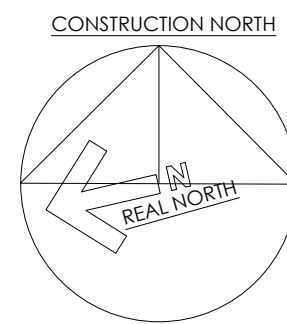
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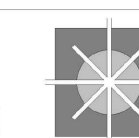
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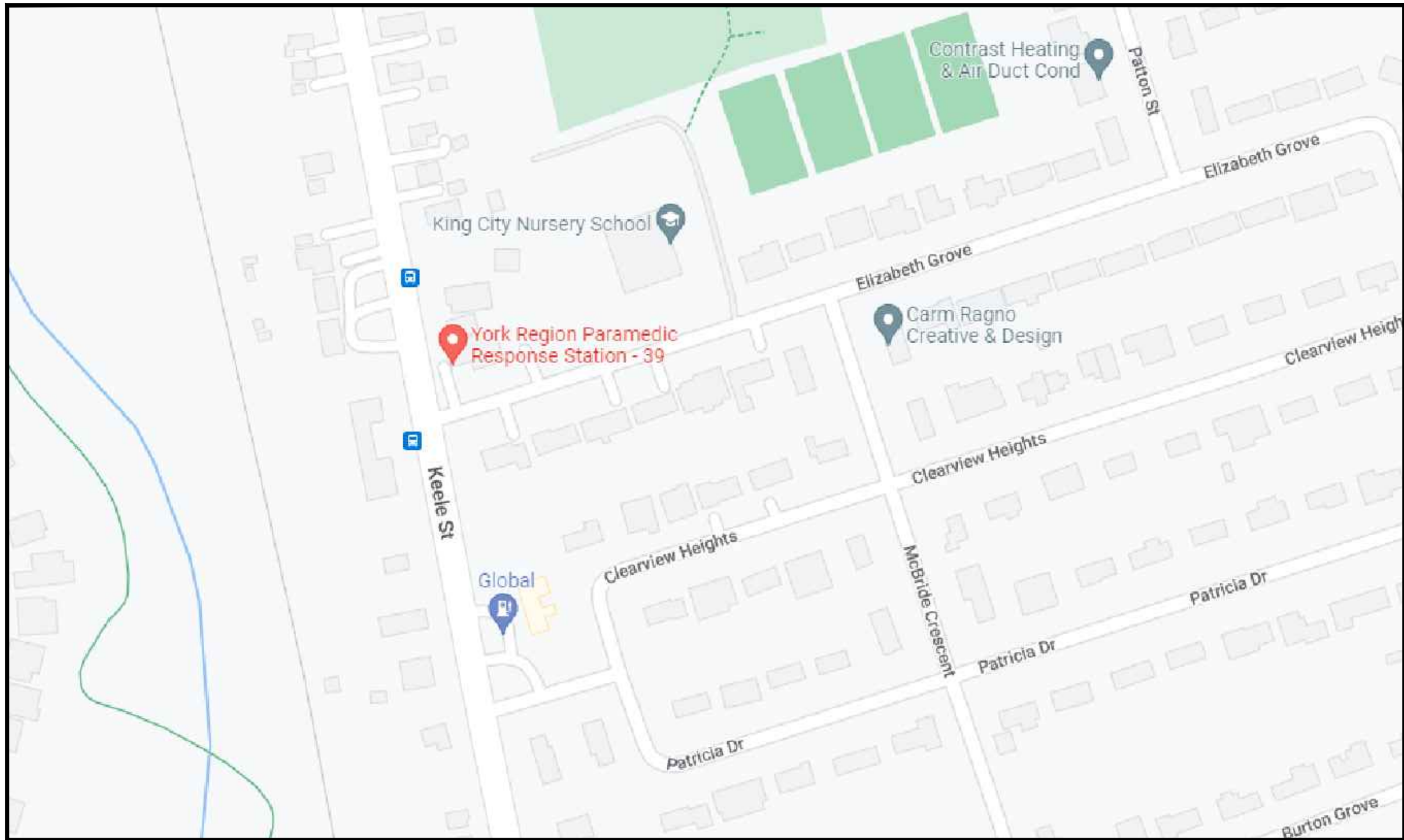


23.03.13



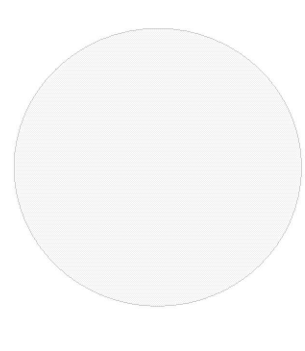


KING CITY - PARAMEDIC RESPONSE STATION  
12825 KEELE STREET, KING CITY, ONTARIO



DRAWING LIST

- ARCHITECTURAL
- A001 COVER PAGE
  - A101 SITE PLAN
  - A201 PARTITION PLAN - MAIN LEVEL
  - A301 EXISTING AND PROPOSED ELEVATIONS
  - A401 PROPOSED WALL SECTIONS
  - A402 PROPOSED DETAILS
  - A501 DOOR SCHEDULE AND DOOR/WINDOW ELEVATIONS
  - A601 SPECIFICATIONS
  - A602 SPECIFICATIONS
  - A603 SPECIFICATIONS

ONTARIO BUILDING CODE DATA MATRIX										Revised: 2017/04/10
PART 11 - RENOVATION OF EXISTING BUILDING										OBC REFERENCE (1)
Name of Practice		CSPACE ARCHITECTURE INC.								
Address 1		B5-8841 GEORGE BOLTON PARKWAY								
Address 2		CALEDON, ONT.								
Contact		CHRIS PRETOTTO								
Name of Project		KING CITY PRS								
Location/Address		12825 KEELE STREET, KING CITY, ONTARIO								
Date		05-Jan-23								Seal & Signature
11.00 BUILDING CODE VERSION		O.Reg. 332/12		LAST AMENDMENT				O.Reg. 88/18		
11.01 PROJECT TYPE		Renovation								[A] 1.1.2.
11.02 MAJOR OCCUPANCY CLASSIFICATION		OCCUPANCY		USE				3.1.2.1.(1)		
		D		Business & Personal Services		PARAMEDIC OFFICE & GARAGE				
11.03 SUPERIMPOSED MAJOR OCCUPANCIES		NO								3.2.2.7.
11.04 BUILDING AREA (m²)		DESCRIPTION		EXISTING		NEW		TOTAL [A] 1.4.1.2.		
		BUILDING AREA		372.00				372.0		
								-		
								-		
		TOTAL		372.0		-		372.0		
11.05 BUILDING HEIGHT		1 - EXISTING		STOREYS ABOVE GRADE		7 m - EXISTING		(m) ABOVE GRADE [A] 1.4.1.2. & 3.2.1.1.		
		0		STOREYS BELOW GRADE						
11.06 NUMBER OF STREETS/ FIRE FIGHTER ACCESS				2 STREETS(S)		3.2.2.10. & 3.2.5.				
11.07 BUILDING SIZE		SMALL								T.11.2.1.1.B.-N.
11.08 EXISTING BUILDING CLASSIFICATION		CHANGE IN MAJOR OCCUPANCY		NO		11.2.1.1.				
		CONSTRUCTION INDEX		NOT APPLICABLE		T.11.2.1.1.A.				
		HAZARD INDEX		NOT APPLICABLE		T.11.2.1.1.B.-N.				
		IMPORTANCE CATEGORY		Normal						
11.09 RENOVATION TYPE		BASIC RENOVATION								11.3.3.1. & 11.3.3.2.
11.10 OCCUPANT LOAD		FLOOR LEVEL/AREA		OCCUPANCY TYPE		BASED ON		OCCUPANT LOAD (PERSONS)		
				D		Design of space		18		
		TOTAL						18		
11.11 PLUMBING FIXTURE REQUIREMENTS		RATIO: MALE/FEMALE = 50/50 EXCEPT AS NOTED OTHERWISE		3.7.4.						
		FLOOR LEVEL/AREA		OCCUPANT LOAD		OBC REFERENCE		FIXTURES REQUIRED		
		EX. GRD. FLR		3.7.4.7.		2.00		3.00		
		PROP. GRD. FLR		3.7.4.7.		2.00		2.00		
11.12 BARRIER-FREE DESIGN		Yes								11.3.3.2.(2)
11.13 REDUCTION IN PERFORMANCE LEVEL		STRUCTURAL		NO		11.4.2.1.				
		INCREASE IN OCCUPANT LOAD		NO		11.4.2.2.				
		CHANGE OF MAJOR OCCUPANCY		NO		11.4.2.3.				
		PLUMBING		NO		11.4.2.4.				
		SEWAGE SYSTEM		NO		11.4.2.5.				
11.14 COMPENSATING CONSTRUCTION		STRUCTURAL		NO		11.4.3.2.				
		INCREASE IN OCCUPANT LOAD		NO		11.4.3.3.				
		CHANGE OF MAJOR OCCUPANCY		NO		11.4.3.4.				
		PLUMBING		NO		11.4.3.5.				
		SEWAGE SYSTEM		NO		11.4.3.6.				
11.15 COMPLIANCE ALTERNATIVES PROPOSED		NO								11.5.1.1.
11.16 NOTES										
		Min. 1 hour demising walls between station and garage is existing.								
		Exit Signs are required.								
		Ductwork penetrating a Fire Resistance Rated Assembly or Fire Separation shall be equipped with a fire damper except as permitted in OBC 3.1.8.8.								
		Building Services penetrating a fire separation shall be fire stopped.								
		This OBC Matrix has been prepared to the best of the architect's knowledge based on existing documentation and/or observable elements.								
		ALL REFERENCES ARE TO DIVISION B OF THE OBC UNLESS PRECEDED BY [A] FOR DIVISION A AND [C] FOR DIVISION C.								
Ontario Building Code Data Matrix, Part 11 © Ontario Association of Architects										October 2016

4	23.11.10	ISSUED FOR TENDER
3	23.03.13	ISSUED FOR PERMIT AND TENDER
2	23.02.13	ISSUED FOR 100% REVIEW
1	23.01.30	ISSUED FOR 75% REVIEW
NO.	DATE	REVISION

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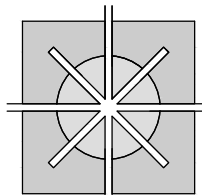
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CSPACE  
ARCHITECTURE



58-8841 GEORGE BOLTON PKWY, BOLTON, ON L7E 2X8  
T: 647.588.1784 E: info@cspace.ca

PROJECT  
YORK REGION  
PARAMEDIC RESPONSE STATION

12825 KEELE STREET,  
KING CITY, ON.

DRAWING TITLE  
COVER PAGE  
OBC MATRIX

SCALE

AS NOTED

PROJECT NO.

22-1490

DRAWN BY

AC

APPROVED

CCP

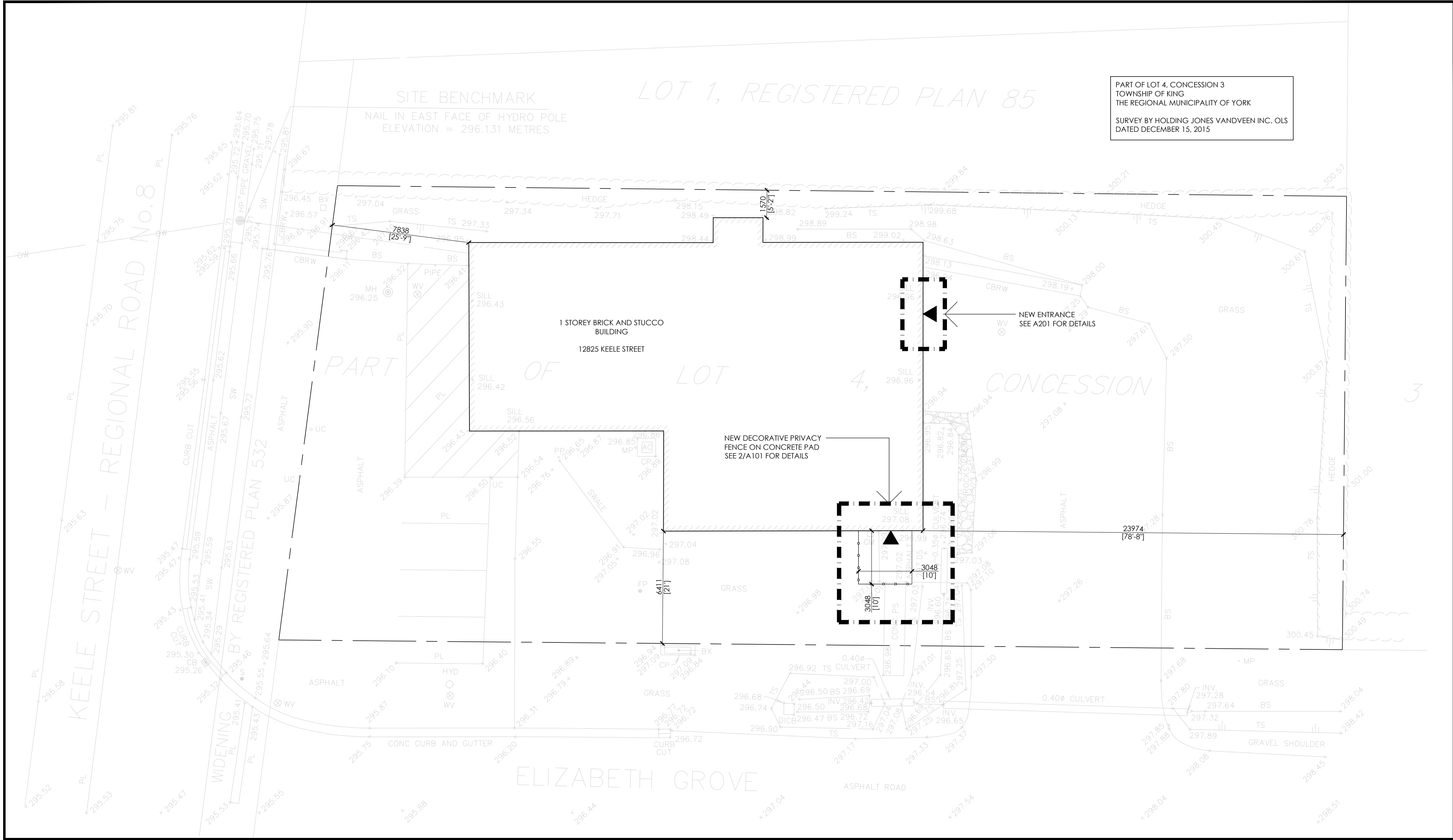
DATE

22.12.23

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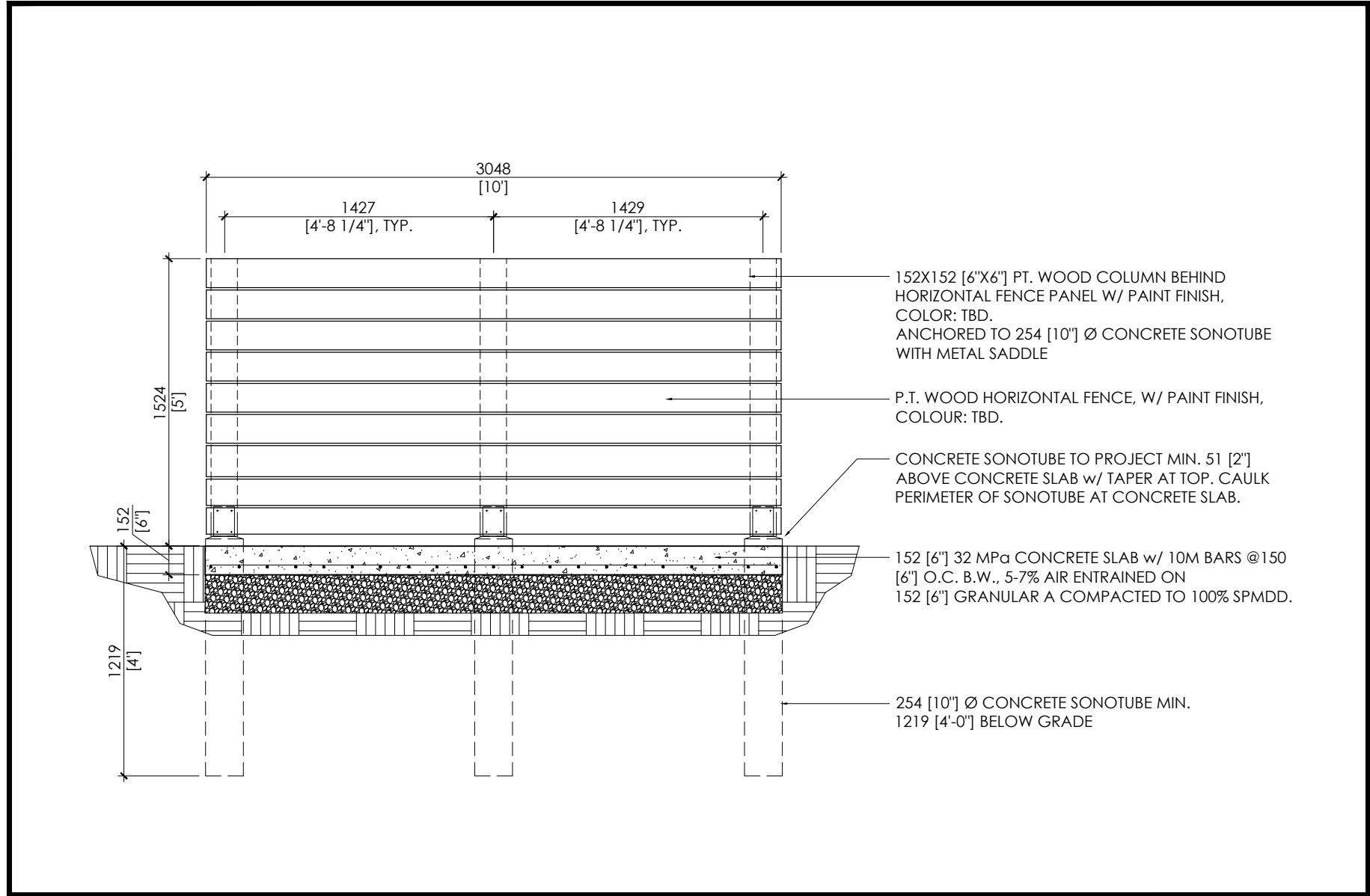
A001





PART OF LOT 4, CONCESSION 3 TOWNSHIP OF KING, REGIONAL MUNICIPALITY OF YORK ZONING TABLE: CORE COMMERCIAL (CAK) APPLICABLE BYLAW: 2017-66			
STANDARD	REQUIRED	EXISTING	REMARKS
LOT AREA	700 m <sup>2</sup> (MIN)	1530.84	EXISTING
LOT COVERAGE	50.0% = 765.42 m <sup>2</sup> (MAX)	366.58 m <sup>2</sup>	EXISTING
FLOOR SPACE INDEX	0.5 (MAX)	0.24	EXISTING
LOT FRONTAGE	12.0 m (MIN)	26.13 m	EXISTING
FRONT YARD - WEST	2.0 m (MIN)/4.5 m (MAX)	7.84 m	EXISTING
REAR YARD - EAST	7.5 m (MIN)	23.97 m	EXISTING
EXTERIOR SIDE YARD - SOUTH	4.5 m (MIN)	6.41 m	EXISTING
INTERIOR SIDE YARD - NORTH	4.5 m (MIN)/1.0 m (MIN)	1.57 m	EXISTING
BUILDING HEIGHT	7.0 m (MIN)/11.0 m (MAX)	7.0 m	EXISTING

1 SITE PLAN  
A101 SCALE 1:150



1 DECORATIVE PRIVACY FENCE/PATIO  
A101 SCALE 1:30

4	23.11.10	ISSUED FOR TENDER
3	23.03.13	ISSUED FOR PERMIT AND TENDER
2	23.02.13	ISSUED FOR 100% REVIEW
1	23.01.30	ISSUED FOR 75% REVIEW
NO.	DATE	REVISION

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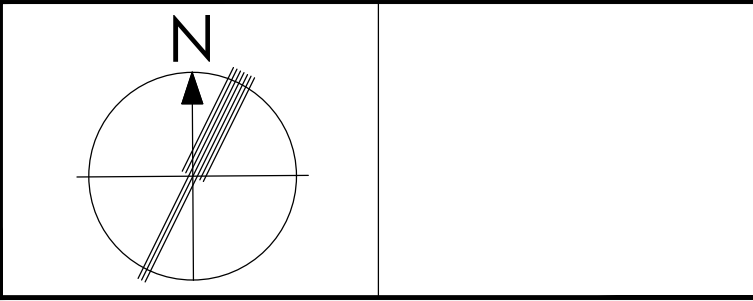
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**CSPACE**  
ARCHITECTURE

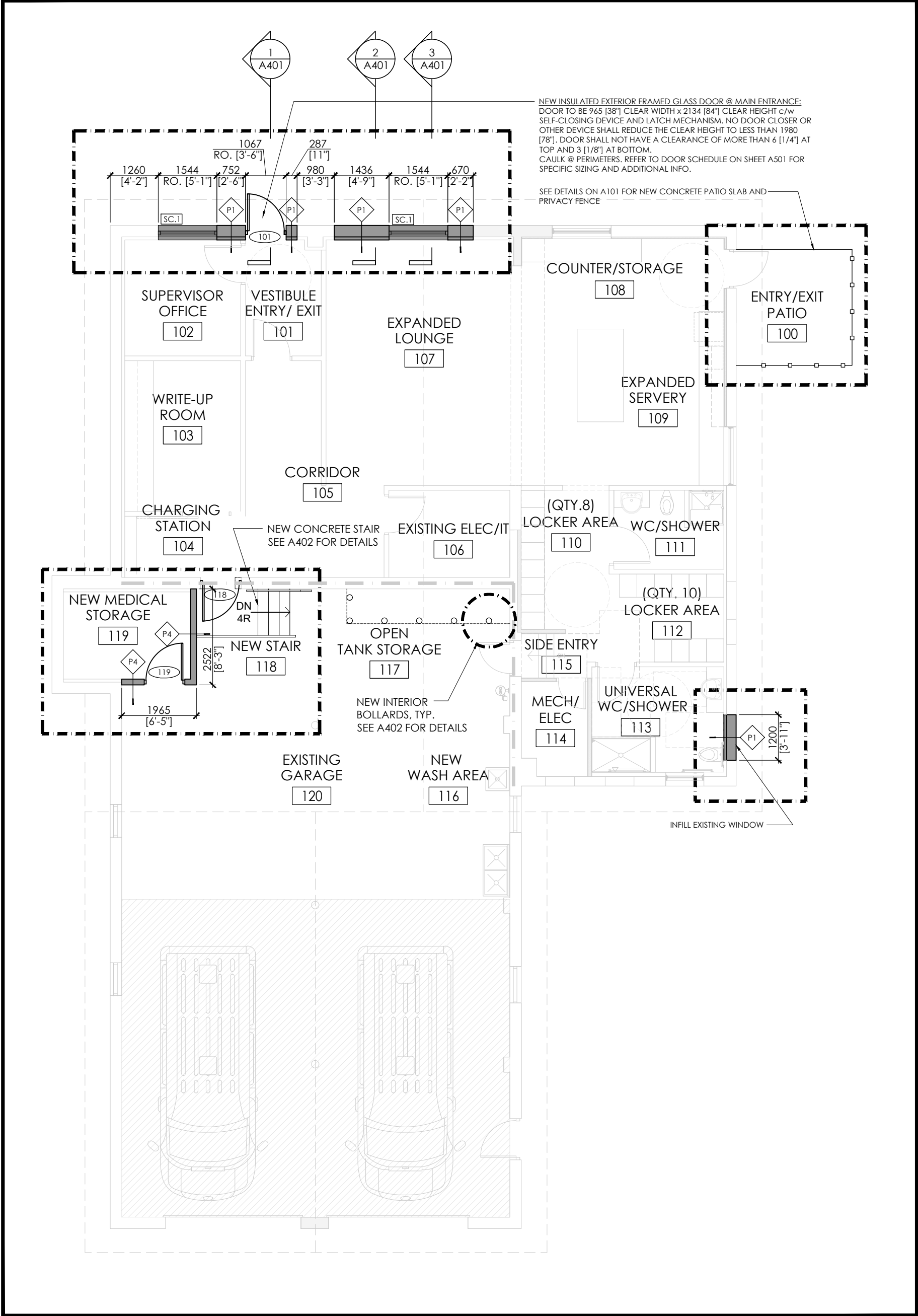
58-8841 GEORGE BOLTON PKWY, BOLTON, ON L7E 2X8  
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PROJECT		
YORK REGION PARAMEDIC RESPONSE STATION		
12825 KEELE STREET, KING CITY, ON.		
DRAWING TITLE		
SITE PLAN SITE PLAN DETAILS		
SCALE AS NOTED		PROJECT NO. 22-1490
DRAWN BY AC	APPROVED CCP	DATE 22.12.23
DRAWING NO.		

A101





1  
A201

GROUND FLOOR PLAN  
SCALE 1:100

LEGEND	
SYMBOL	DESCRIPTION
	DENOTES EXISTING WALLS TO REMAIN
	DENOTES PROPOSED EXTERIOR WALL ASSEMBLY
	NEW EXTERIOR WALL PARTITION ASSEMBLY "1"1" CEMENT PARKING (COLOUR TO MATCH ADJACENT EXISTING) 240 CONCRETE BLOCK (REFER TO STRUCTURAL DRAWINGS FOR REINFORCEMENT) 1/4" METAL STUDS @ 400 O.C. CLOSED CELL SPRAY FOAM INSULATION (R-17.5) 1/2 GYPSUM WALL BOARD (IMPACT RESISTANT) FULL HEIGHT
	NEW CONCRETE BLOCK PARTITION ASSEMBLY "1"1" 140 CONCRETE BLOCK (REFER TO STRUCTURAL DRAWINGS FOR REINFORCEMENT) FULL HEIGHT
	NEW DOOR & SWING REFER TO DOOR SCHEDULE A501 FOR DETAILS
	NEW GLAZING ASSEMBLY REFER TO A501 SCREEN SCHEDULE FOR DETAIL ON EXTERIOR WINDOWS
	DENOTES EXTENT OF WORK
	DENOTES EXISTING MAX. 2-HOUR FIRE SEPARATION TO REMAIN
	AREA NOT IN CONTRACT (NIC)

ARCHITECTURAL GENERAL NOTES	
1. ALL THE DRAWINGS & SPECIFICATIONS ARE THE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF CONSULTANT. 2. CONTRACTOR MUST VERIFY ALL DIMENSIONS ON THE JOB ACCORDING TO JOB SITE. REPORT ANY DISCREPANCIES TO ARCHITECT/ DESIGN OFFICE BEFORE PROCEEDING WITH THE WORK. 3. DO NOT SCALE DRAWINGS. USE NOTED DIMENSIONS. INQUIRE WITH ARCHITECT FOR ADDITIONAL DIMENSIONS WHERE NECESSARY. 4. ALL CONSTRUCTION TO ADHERE TO THESE DRAWING AND SPECIFICATIONS AND TO CONFIRM TO THE LATEST VERSION OF THE ONTARIO BUILDING CODE AND ALL OTHER APPLICABLE CODES AND AUTHORITIES HAVING JURSDICTION.	
PARTITION PLAN NOTES (GENERAL)	
EXISTING DEMISING WALLS, TYPICAL CONTRACTOR TO VERIFY THAT WALLS EXTEND FROM FLOOR SLAB TO U/S DECK ABOVE AND FIRE SEPARATION IS INTACT. IF NOT, CONTRACTOR TO ALTER WALL TO MEET MINIMUM STANDARD OF INDICATED FIRE SEPARATION.	
DEMOLITION GENERAL NOTES	
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4	23.11.10	ISSUED FOR TENDER
3	23.03.13	ISSUED FOR PERMIT AND TENDER
2	23.02.13	ISSUED FOR 100% REVIEW
1	23.01.30	ISSUED FOR 75% REVIEW
NO.	DATE	REVISION

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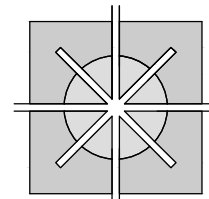
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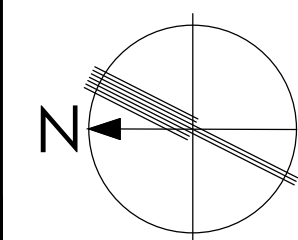
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PROJECT  
YORK REGION  
PARAMEDIC RESPONSE STATION

12825 KEELE STREET,  
KING CITY, ON.

DRAWING TITLE  
GROUND FLOOR PLAN

SCALE  
AS NOTED

PROJECT NO.  
22-1490

DRAWN BY  
AC

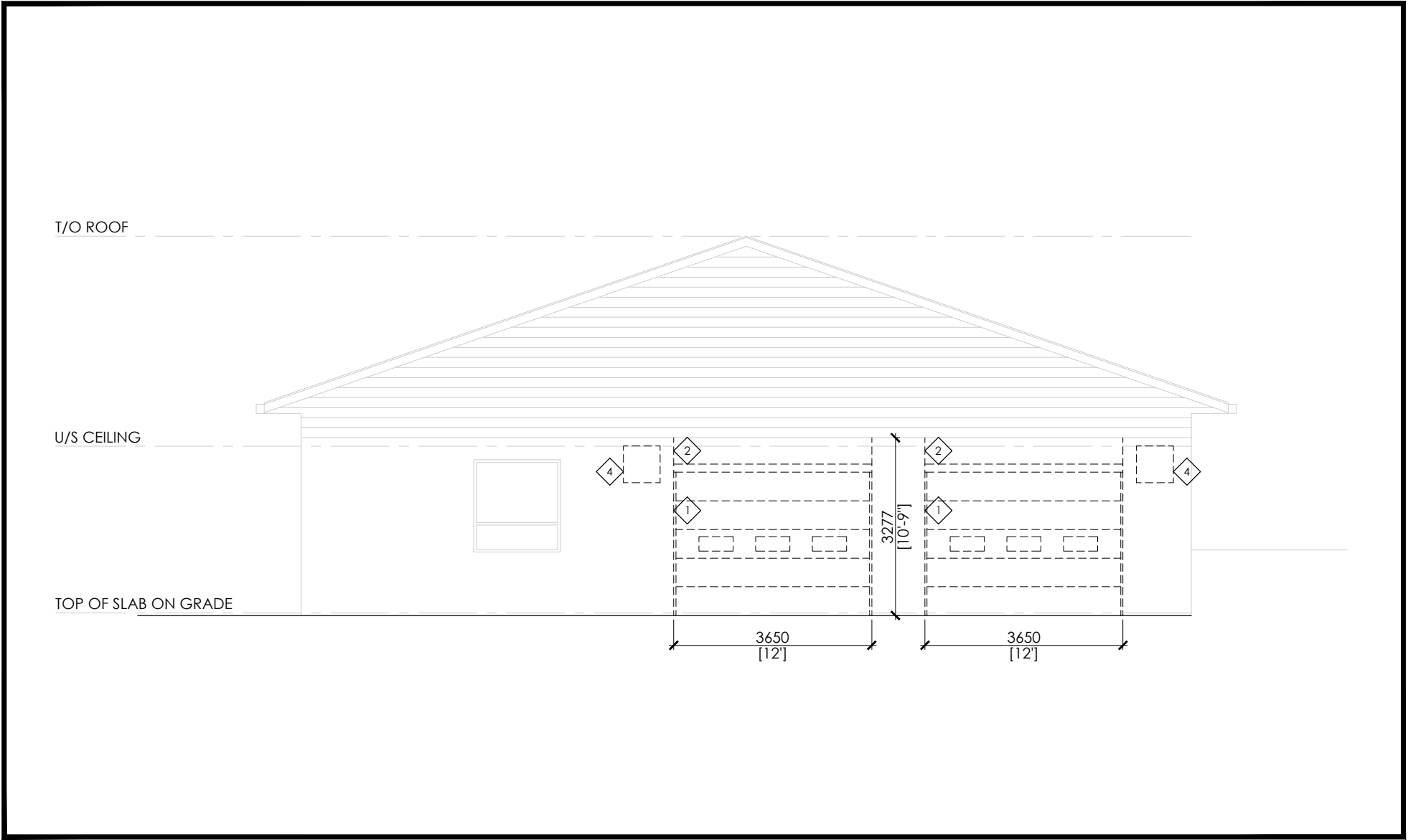
APPROVED  
CCP

DATE  
22.12.23

DRAWING NO.

**A201**



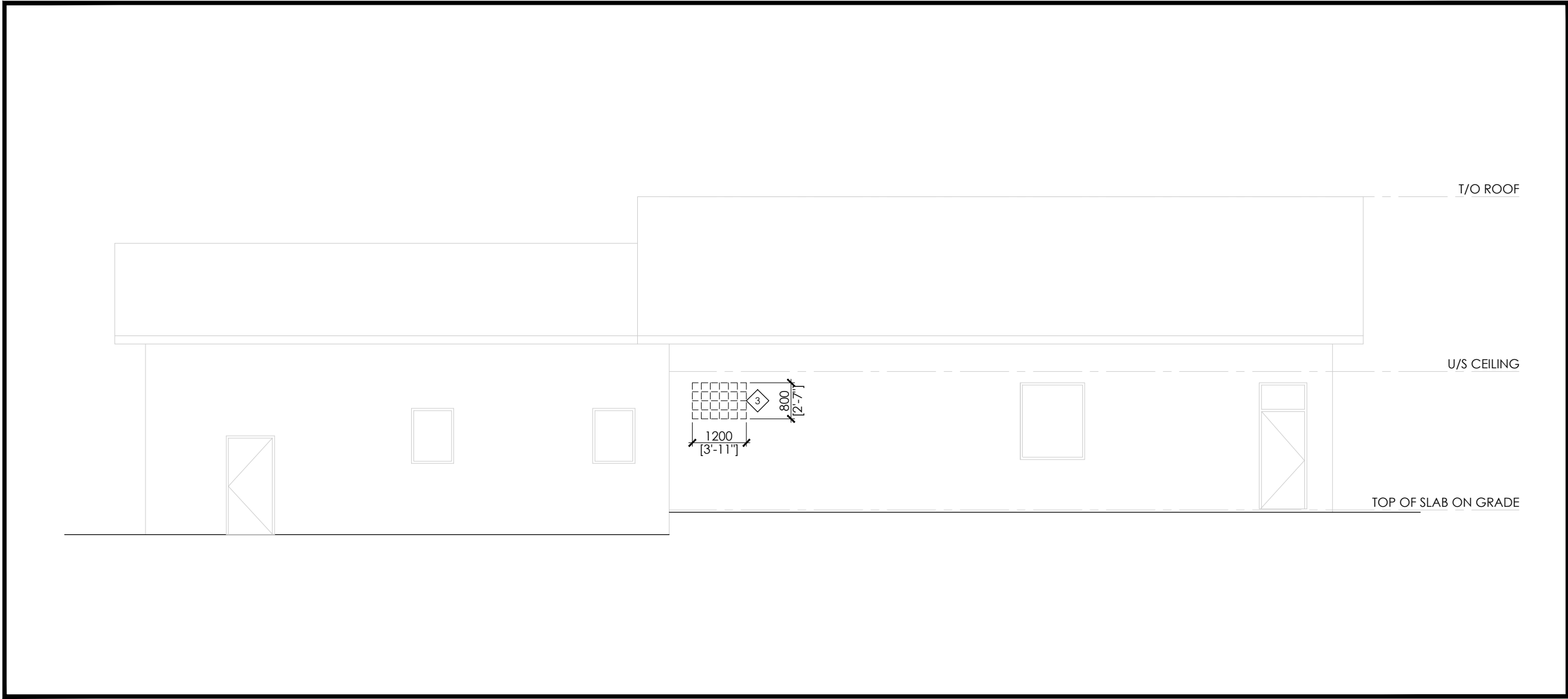


1  
A301  
EXISTING EAST ELEVATION - DEMOLITION  
SCALE 1:100

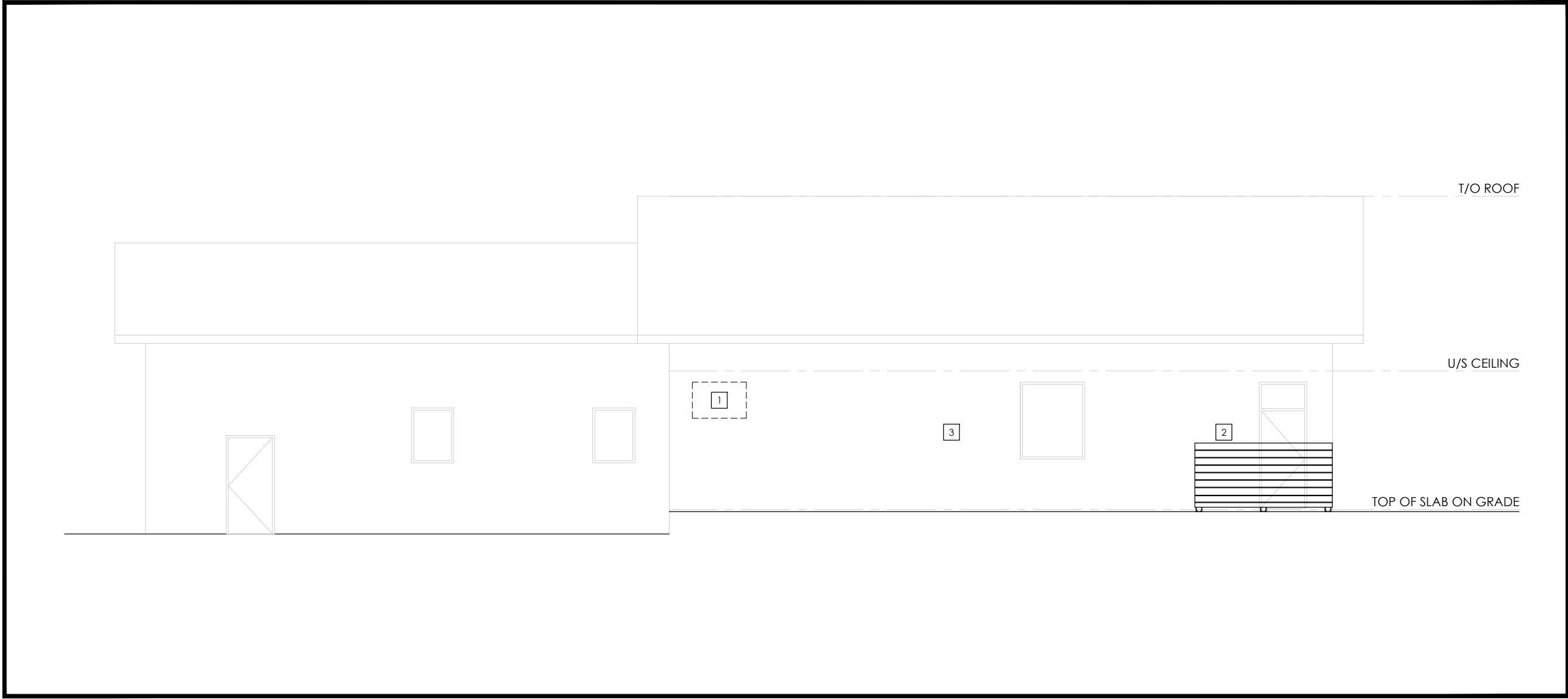


3  
A301  
PROPOSED EAST ELEVATION  
SCALE 1:100

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2  
A301  
EXISTING SOUTH ELEVATION - DEMOLITION  
SCALE 1:100



4  
A301  
PROPOSED SOUTH ELEVATION  
SCALE 1:100

DEMOLITION NOTES	
No.	DESCRIPTION
1	REMOVE EXISTING SECTIONAL OVERHEAD GARAGE DOOR
2	REMOVE EXISTING PREFINISHED METAL FLASHING
3	REMOVE EXISTING GLASS BLOCK WINDOW
4	REMOVE EXISTING EXHAUST LOUVERS

LEGEND	
No.	DESCRIPTION
1	NEW WALL TYPE 'P1' w/ CEMENT PARPING TO MATCH ADJACENT EXISTING
2	NEW DECORATIVE PRIVACY FENCE. SEE A102 FOR DETAILS.
3	REFER TO ID, DRAWING SET FOR NEW PAINT FINISH ON EXISTING EXTERIOR WALL.
4	REFER TO ID, DRAWING SET FOR NEW EXTERIOR SIDING.
SC-1	NEW GLAZING ASSEMBLY REFER TO A501 SCREEN SCHEDULE FOR DETAIL ON EXTERIOR WINDOWS
10	NEW DOOR & SWING REFER TO DOOR SCHEDULE A501 FOR DETAILS

4	23.11.10	ISSUED FOR TENDER
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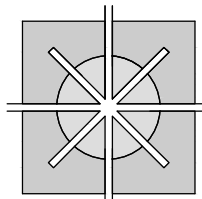
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PROJECT  
YORK REGION  
PARAMEDIC RESPONSE STATION  
12825 KEELE STREET,  
KING CITY, ON.

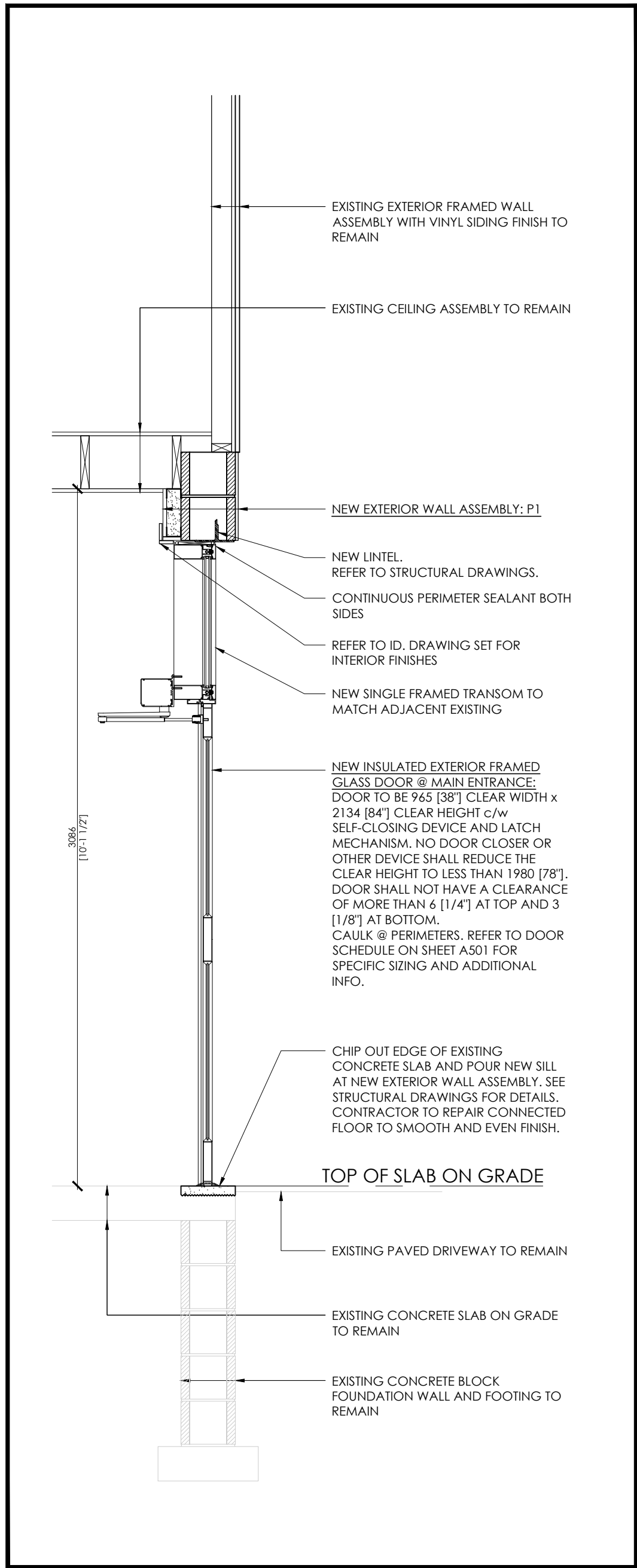
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ELEVATIONS  
DEMOLITION & PROPOSED

SCALE AS NOTED		PROJECT NO. 22-1490	
DRAWN BY AC	APPROVED CCP		DATE 22.12.23

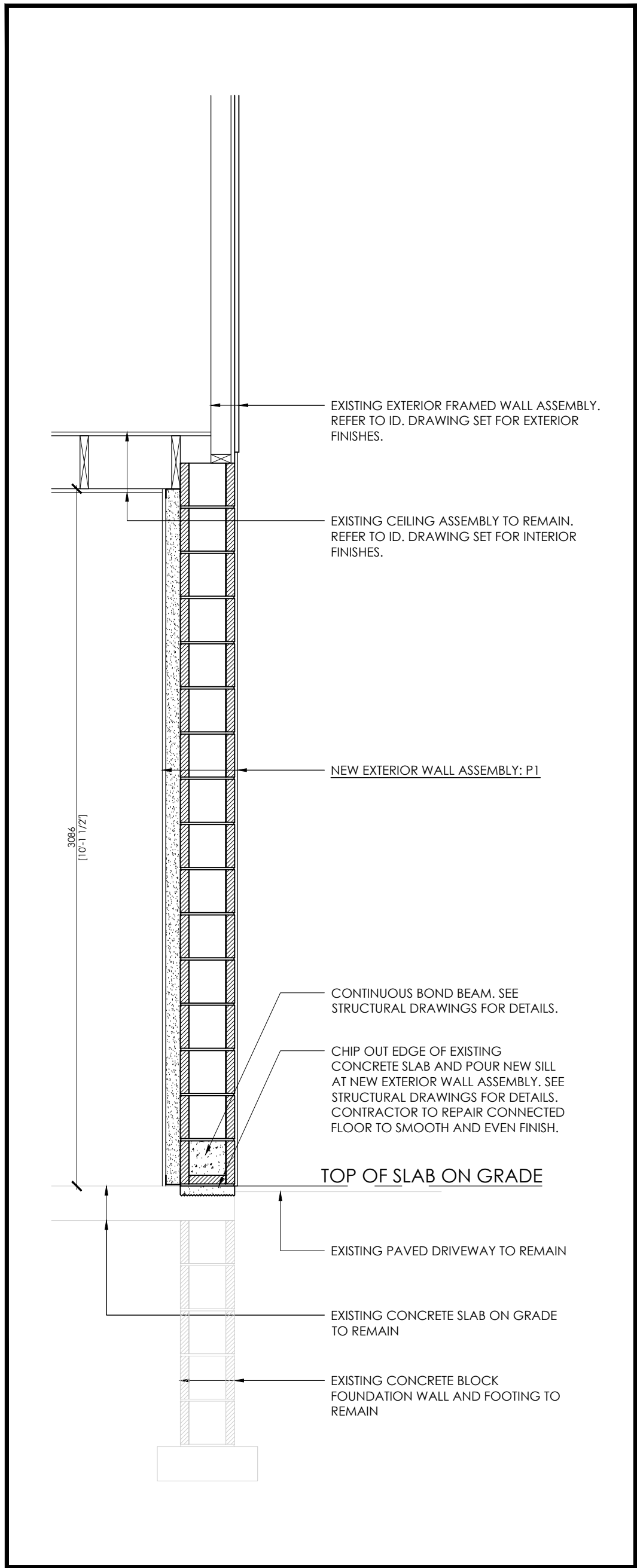
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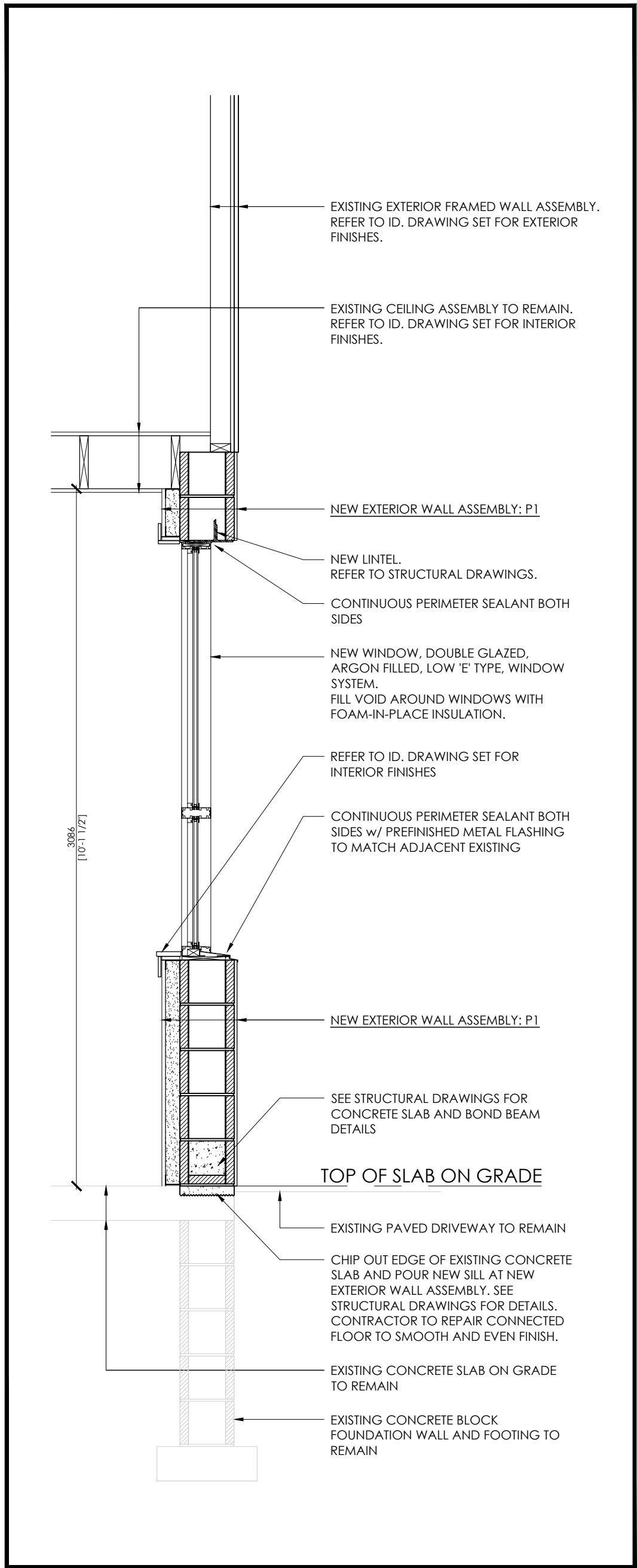




1 WALL TYPE P1 - DOOR SECTION  
A401 SCALE 1:20



2 WALL TYPE P1 - WALL SECTION  
A401 SCALE 1:20



3 WALL TYPE P1 - WINDOW SECTION  
A401 SCALE 1:20

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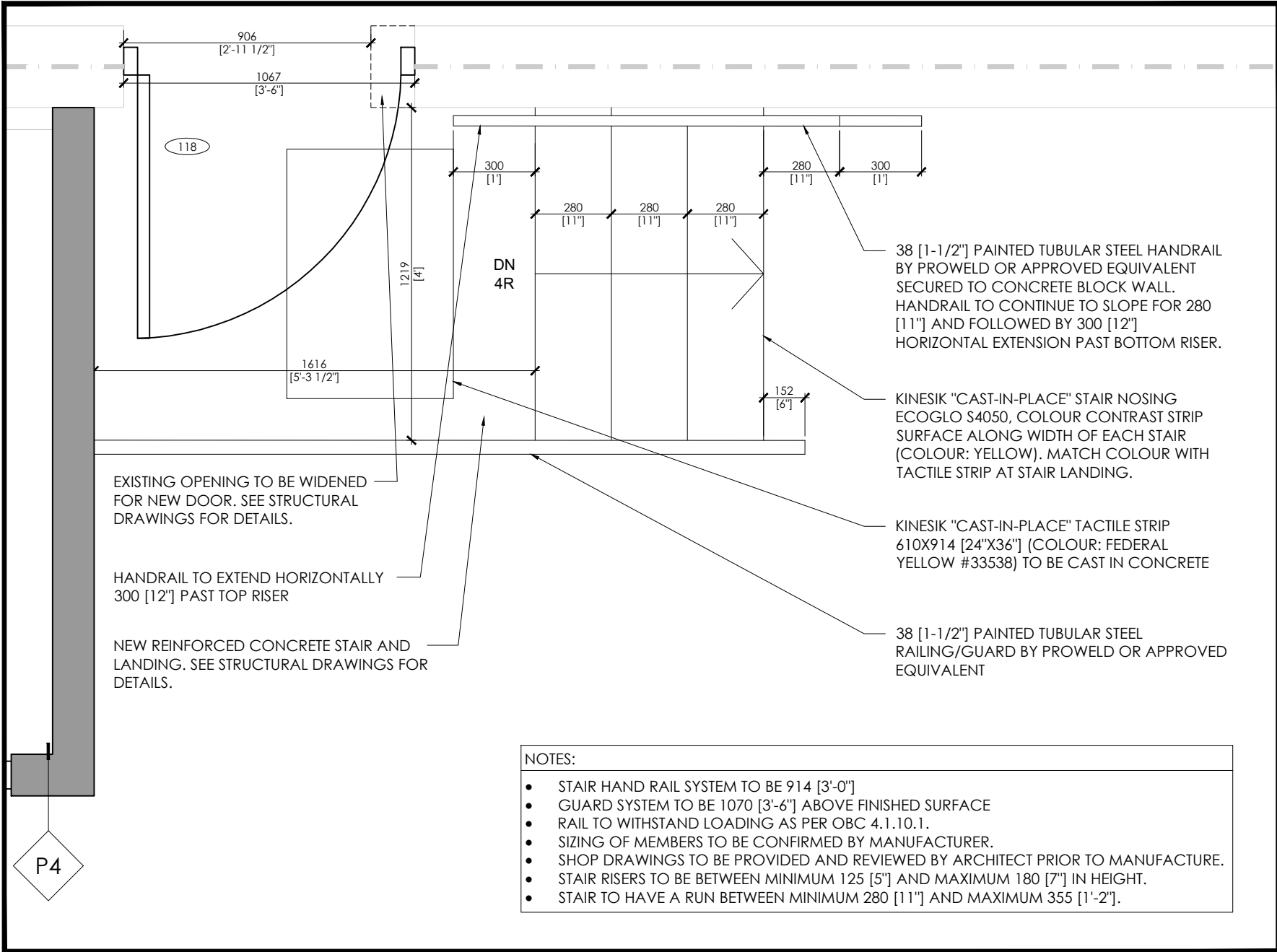
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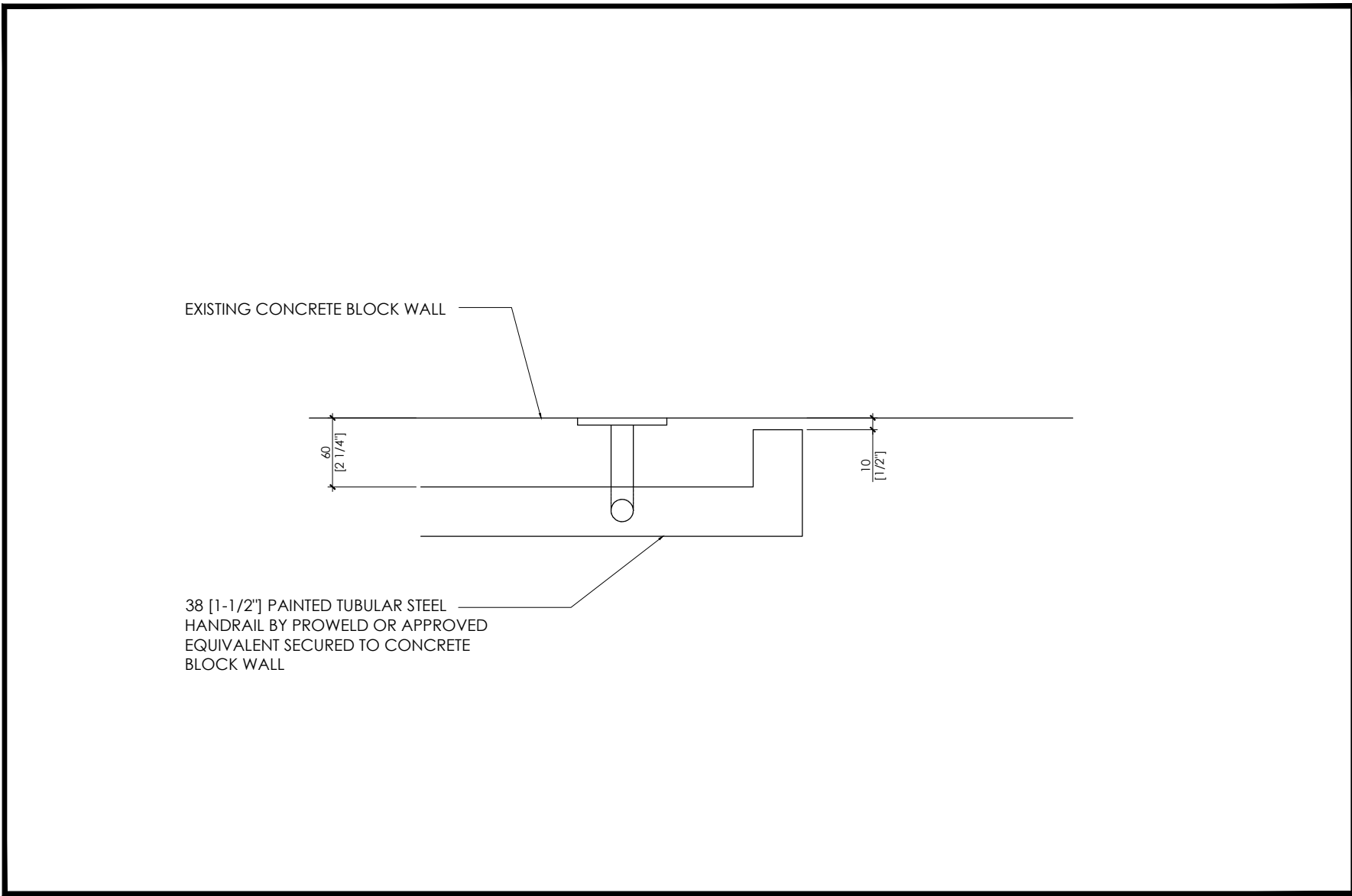
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YORK REGION PARAMEDIC RESPONSE STATION		
12825 KEELE STREET, KING CITY, ON.		
DRAWING TITLE		
WALL SECTIONS		
SCALE AS NOTED	PROJECT NO. 22-1490	
DRAWN BY AC	APPROVED CCP	DATE 22.12.23
DRAWING NO.		

A401

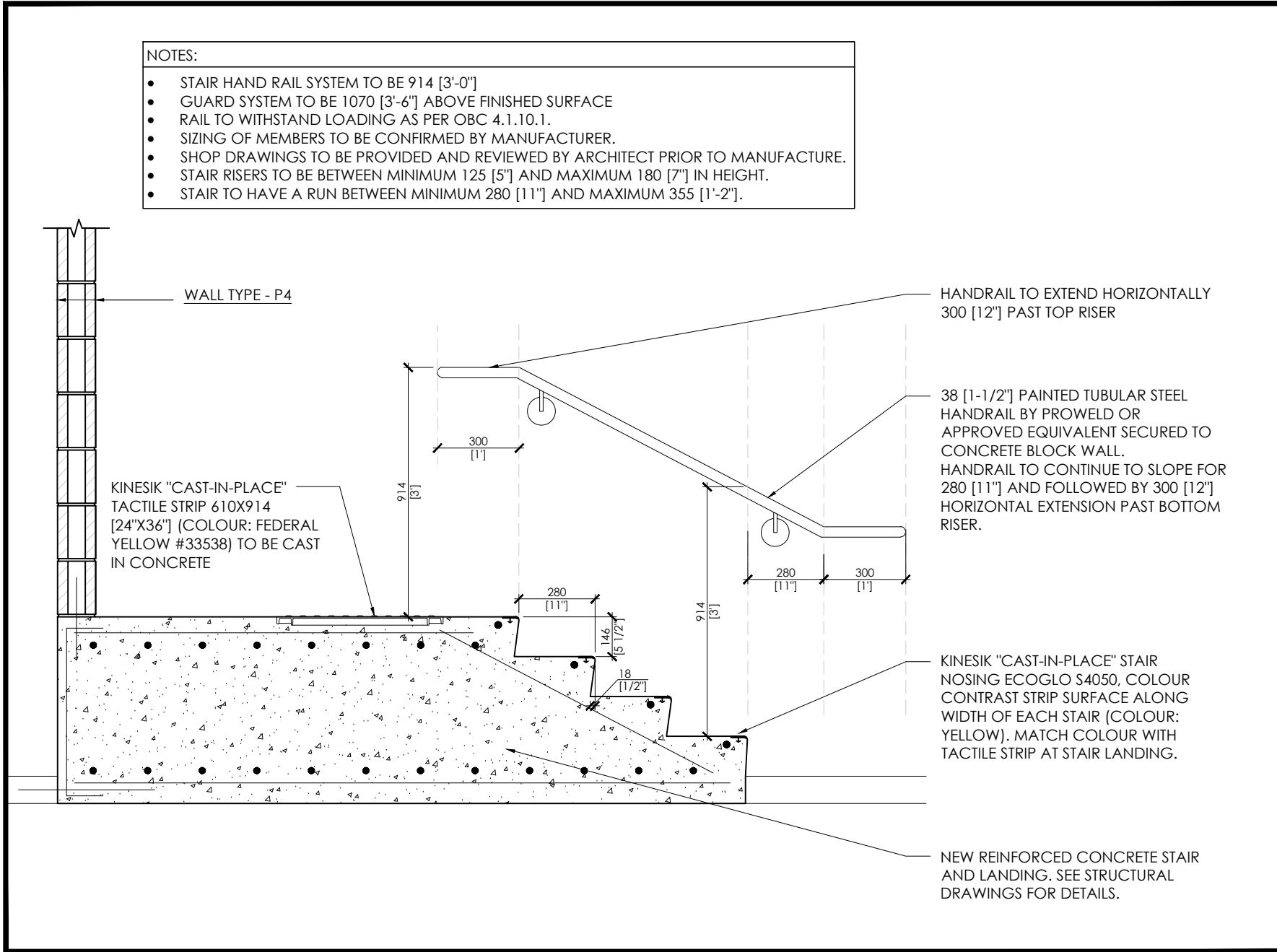




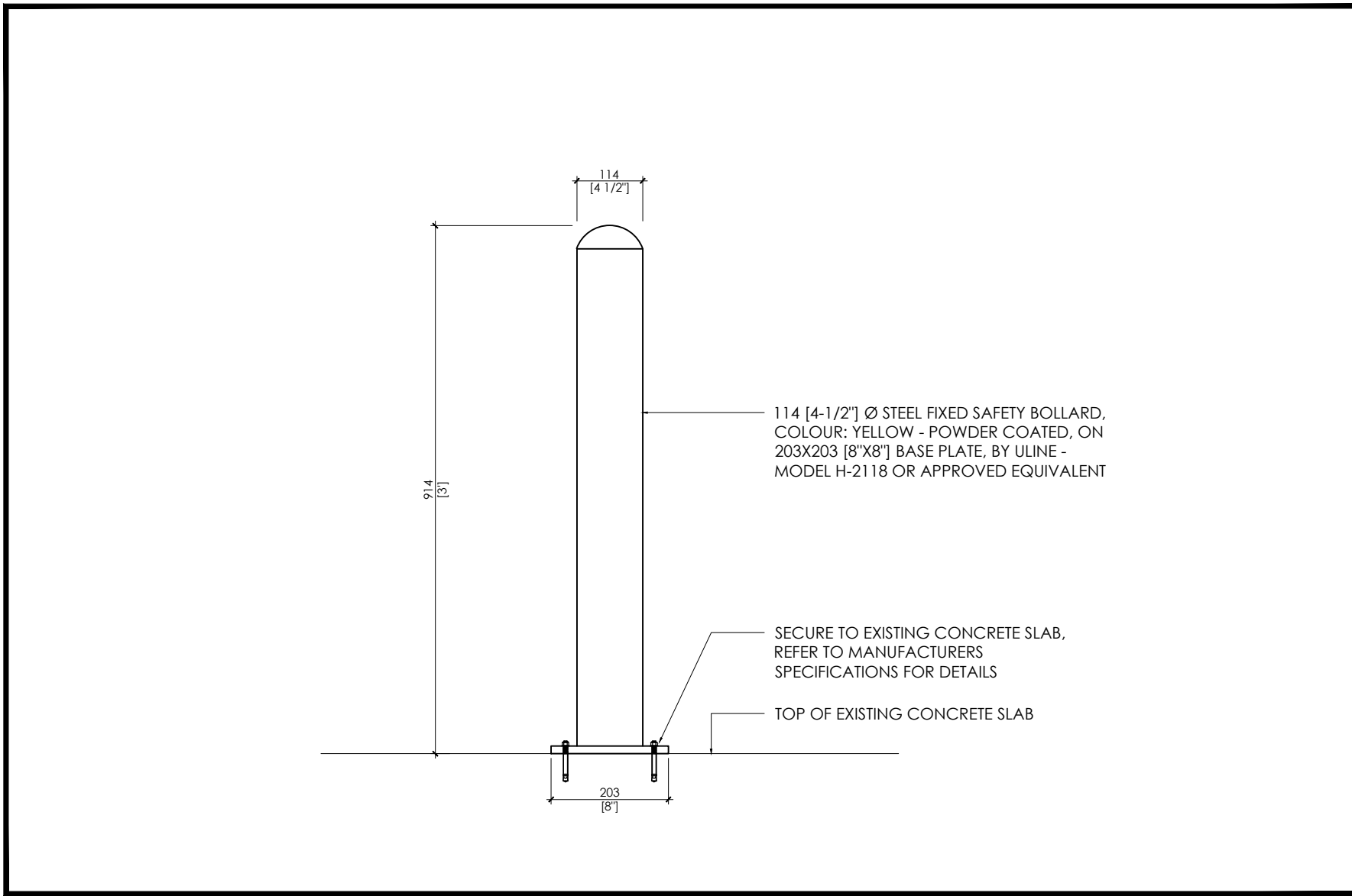
1  
A402 NEW STAIR 118  
SCALE 1:20



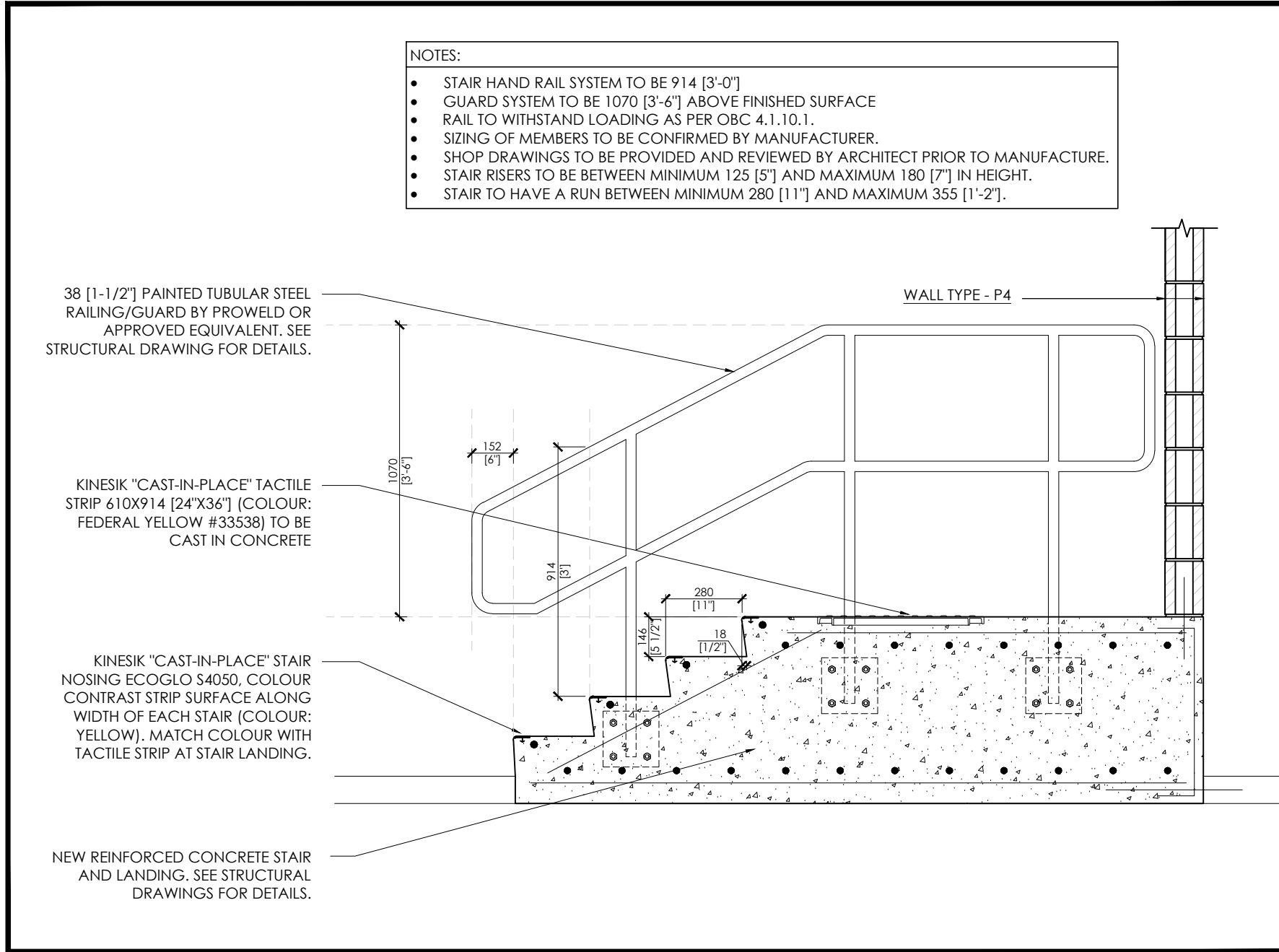
4  
A402 TYPICAL HANDRAIL RETURN  
SCALE 1:5



2  
A402 NEW STAIR 118 - STAIR/HANDRAIL SECTION  
SCALE 1:20



5  
A403 BOLLARD DETAIL  
SCALE 1:10



3  
A402 NEW STAIR 118 - STAIR/GUARD/RAILING SECTION  
SCALE 1:20

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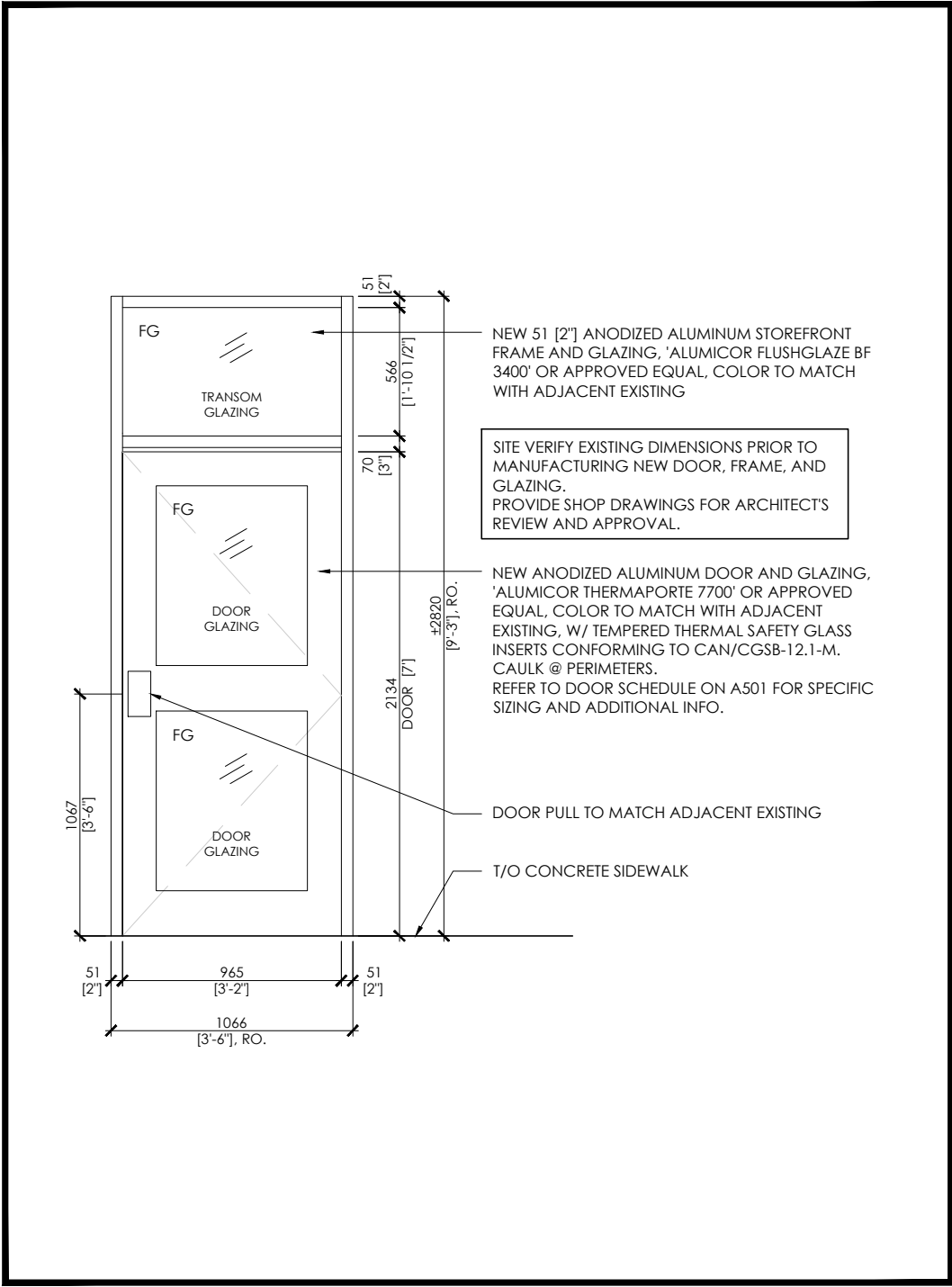
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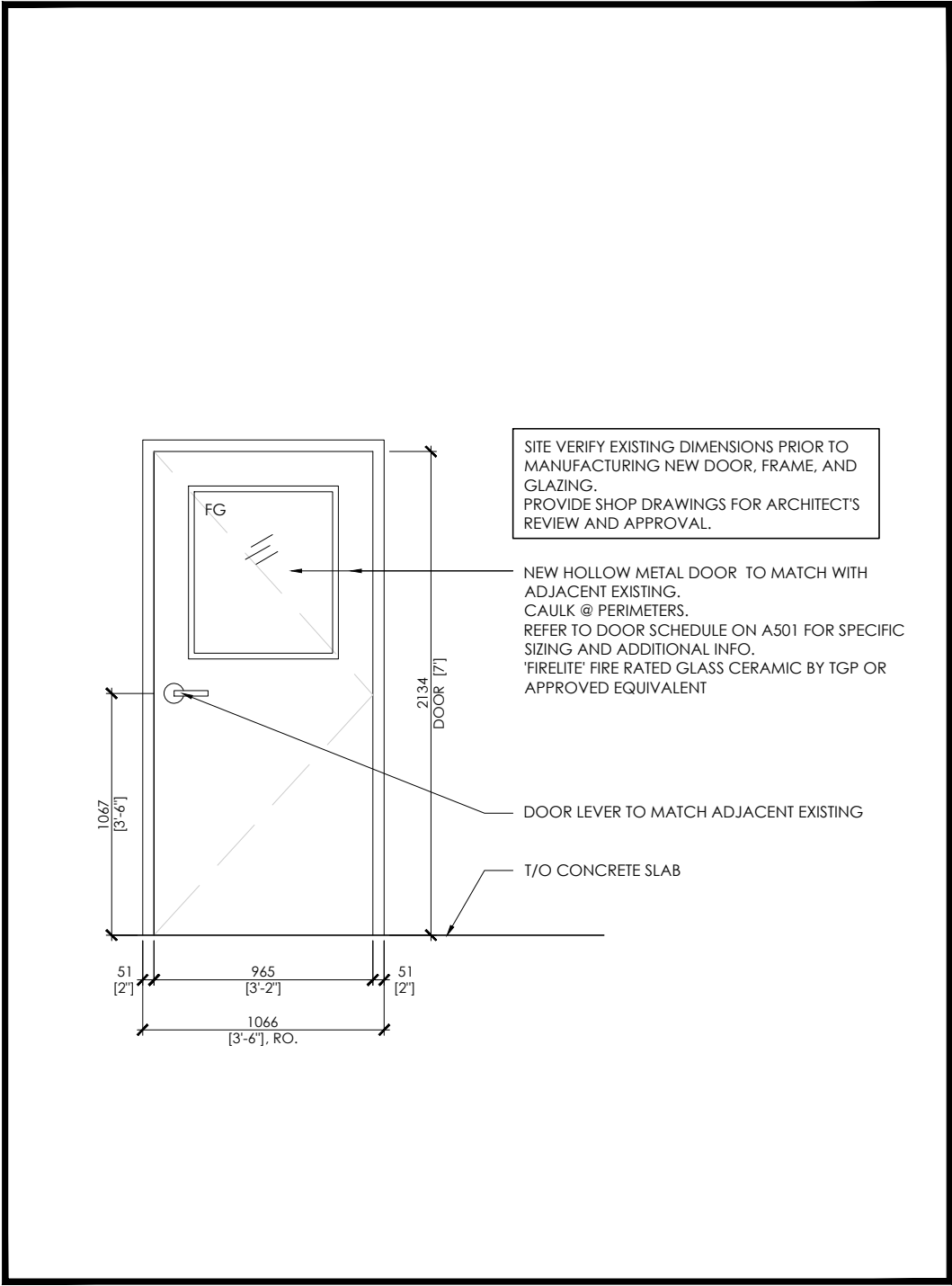
PROJECT			
YORK REGION PARAMEDIC RESPONSE STATION			
12825 KEELE STREET, KING CITY, ON.			
DRAWING TITLE  DETAILS			
SCALE AS NOTED			PROJECT NO. 22-1490
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DRAWING NO.			

A402

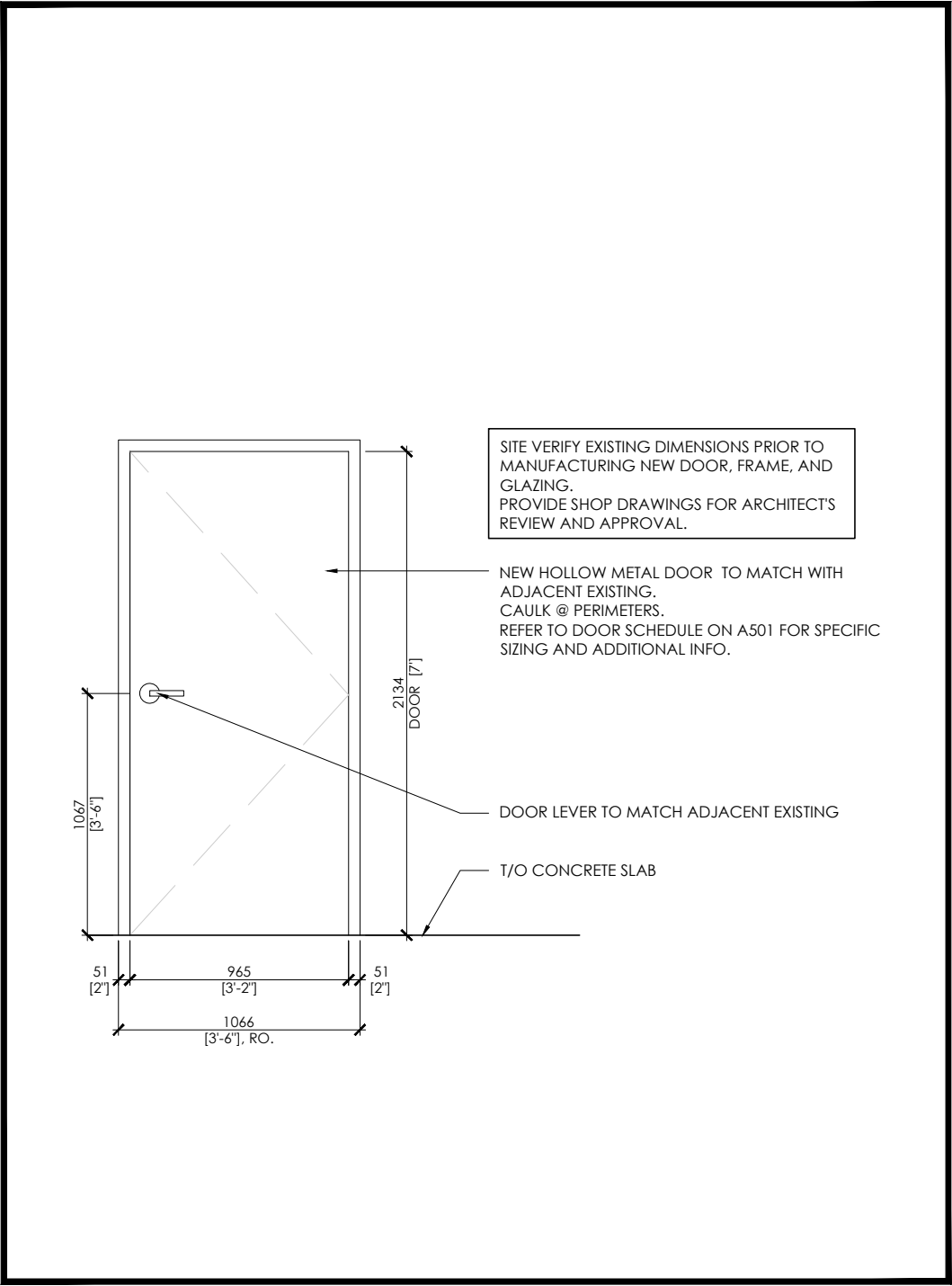




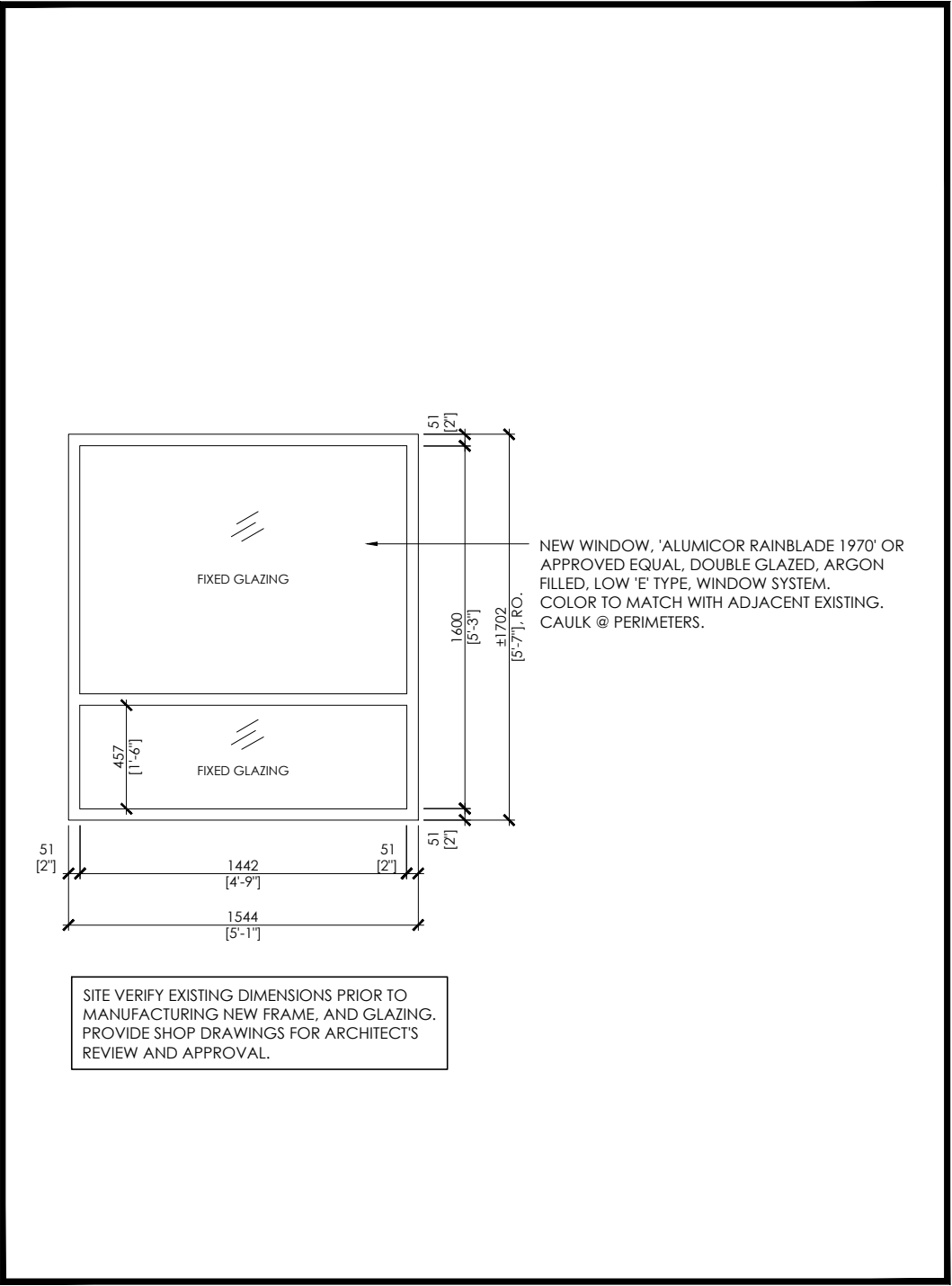
1 DOOR 101 ELEVATION  
A501 SCALE 1:30



2 DOOR 118 ELEVATION  
A501 SCALE 1:30

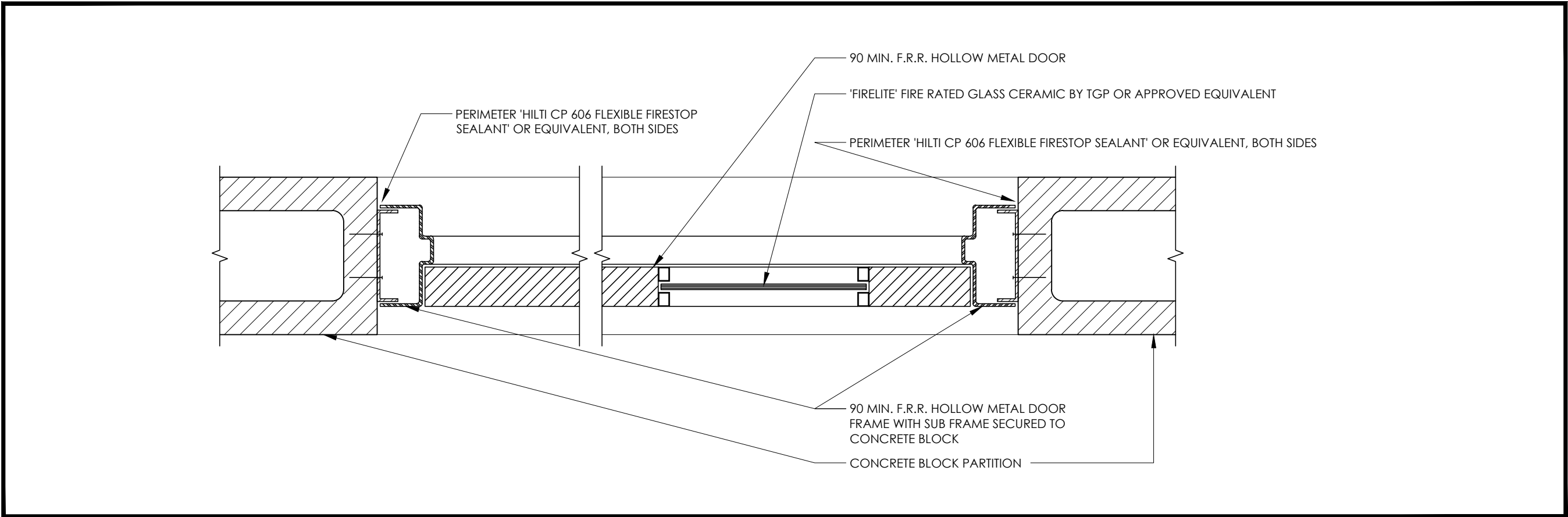


3 DOOR 119 ELEVATION  
A501 SCALE 1:30



4 WINDOW SC.1 ELEVATION  
A501 SCALE 1:30

DOOR SCHEDULE													
DESCRIPTION			DOOR						FRAME			NOTES	
DOOR NO.	ROOM/ SUITE	FRR.	WIDTH	HEIGHT	TYPE	MATERIAL	FINISH	HARDWARE	TYPE	MATERIAL	FINISH		
101	EXTERIOR ENTRY DOOR AT VESTIBULE	--	3'-2"	7'-0"	SEE ELEVATION	ANODIZED ALUMINUM & GLASS	MATCH ADJACENT EXISTING & TEMPERED THERMAL SAFETY GLASS CONFORMING TO CAN/CGSB-12.1-M	1	SEE ELEVATION	INSULATED METAL FRAME	ANODIZED/ADJ. EXISTING	GLASS/FRAME COLOR MATCH W/ ADJ. EXISTING /BY OWNER. REFER TO ID.	
118	NEW CORRIDOR 105 TO EXISTING GARAGE	90 MIN	3'-2"	7'-0"	SEE ELEVATION	HOLLOW METAL	FIRELITE FIRE RATED GLASS CERAMIC BY TGP OR APPROVED EQUIVALENT PAINT	2	SEE ELEVATION	HOLLOW METAL	PAINT	GLASS/DOOR/FRAME COLOR MATCH W/ ADJ. EXISTING /BY OWNER. REFER TO ID. JAMB DETAIL -- J4	
119	EXISTING GARAGE TO NEW MEDICAL STORAGE	--	3'-2"	7'-0"	SEE ELEVATION	HOLLOW METAL	PAINT	2	SEE ELEVATION	HOLLOW METAL	PAINT	DOOR/FRAME COLOR MATCH W/ ADJ. EXISTING /BY OWNER. REFER TO ID. JAMB DETAIL -- J4	
HARDWARE SCHEDULE													
HARDWARE GROUP	LOCKSET					ACCESSORIES						NOTES	
	TYPE	FUNCTION	ANSI	TRIM	FINISH	HINGES	CLOSER	STOP	SMOKE	SECURITY	BF.		PANIC HRD.W.
1	MORTISE	EXTERIOR ENTRY/EXIT DOOR	-	PULL	REFER ID.	BUTT	SURFACE MOUNTED	DOME	LEAF GASKET	CARD READER W/ ELECTRIC STRIKE	REFER ID.	REFER ID.	REFER TO ID. DOOR & HARDWARE SCHEDULE FOR MORE DETAILS.
2	MORTISE	ENTRY DOOR	-	LEVER	REFER ID.	BUTT	SURFACE MOUNTED	DOME	FRAME GASKET	REFER ID.	--	--	REFER TO ID. DOOR & HARDWARE SCHEDULE FOR MORE DETAILS.
NOTE: 1. REFER TO ID. DOOR SCHEDULE FOR MORE DETAILS.													



5 JAMB DETAIL - J4  
A501 SCALE 1:5

NO.	DATE	REVISION
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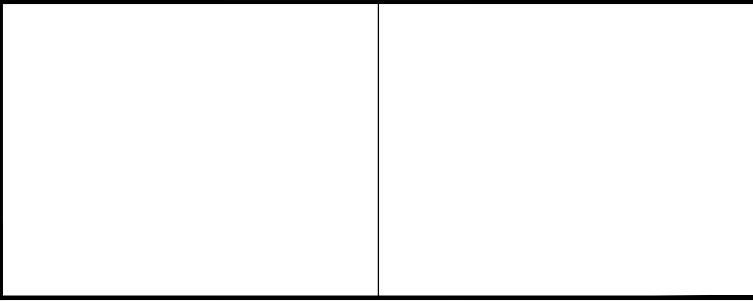
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PROJECT YORK REGION PARAMEDIC RESPONSE STATION 12825 KEELE STREET, KING CITY, ON.		
DRAWING TITLE DOOR SCHEDULE DOOR AND WINDOW ELEVATIONS		
SCALE AS NOTED	PROJECT NO. 22-1490	
DRAWN BY AC	APPROVED CCP	DATE 22.12.23
DRAWING NO.		

A501







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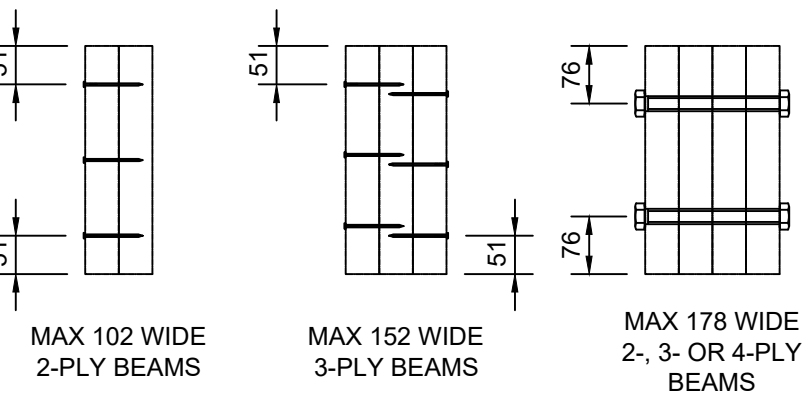
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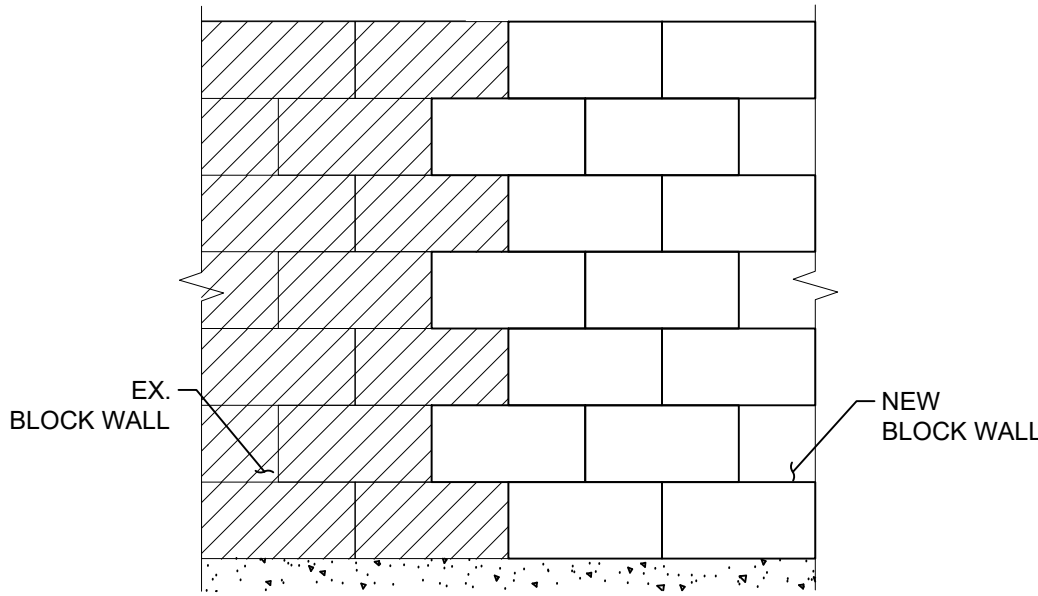


KEY PLAN



MAX WIDTH	NO. OF PLIES	FASTENER AND SPACING
102	2	3 ROWS OF NAILS AT 305 O.C.
152	3	3 ROWS OF NAILS EA SIDE AT 305 O.C.
178	2, 3, OR 4	2 ROWS OF BOLTS AT 305 O.C.

BEAM NAILING AND BOLTING SCHEDULE



TYPICAL NEW/EXISTING WALL TRANSITION

TABLE 1: MINIMUM CONCRETE COVER TO REINFORCING BARS			
EXPOSURE CONDITION	FACE NOT EXPOSED TO EARTH OR WEATHER	FACE EXPOSED TO EARTH OR WEATHER	
		EXPOSURE CLASS F-1, F-2	EXPOSURE CLASS C-1
CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	-	75	75
BEAMS, GIRDERS, COLUMNS, PILES	30	40	60
SLABS, WALLS, JOISTS, SHELLS, AND FOLDED PLATES	20	40	60
RATIO OF COVER TO NOMINAL BAR DIAMETER**	1.0	1.5	2.0
RATIO OF COVER TO NOMINAL MAXIMUM AGGREGATE SIZE	1.0***	1.5	2.0
* THIS REFERS ONLY TO CONCRETE THAT WILL BE CONTINUALLY DRY WITHIN THE CONDITIONED SPACE, I.E. MEMBERS ENTIRELY WITHIN THE VAPOUR BARRIER OF THE BUILDING ENVELOPE.			
** THE COVER FOR A BUNDLE OF BARS SHALL BE THE SAME AS THAT FOR A SINGLE BAR WITH AN EQUIVALENT AREA.			
*** THE SPECIFIED COVER FROM SCREEDED SURFACES SHALL BE AT LEAST 1.5 TIMES THE NOMINAL MAXIMUM AGGREGATE SIZE TO REDUCE INTERFERENCE BETWEEN AGGREGATE AND REINFORCEMENT WHERE VARIATIONS IN BAR PLACEMENT RESULT IN A COVER SMALLER THAN SPECIFIED.			

A. GENERAL NOTES:

- THE DESIGN AND CONSTRUCTION OF ALL WORK ON THIS PROJECT SHALL CONFORM TO THE LATEST EDITION OF THE ONTARIO BUILDING CODE 2012 (OBC 2012).
- STRUCTURAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS, SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL FIELD CHECK AND VERIFY ALL DIMENSIONS, ELEVATIONS AND CONDITIONS AT THE SITE AND REPORT TO THE ENGINEER ANY DISCREPANCIES OR UNSATISFACTORY CONDITIONS WHICH MAY ADVERSELY AFFECT THE PROPER COMPLETION, COST, SCHEDULE OR QUALITY OF WORK. COMMENCEMENT OF WORK BY THE CONTRACTOR IMPLIES ACCEPTANCE OF THE EXISTING CONDITIONS.
- PROTECT ALL EXISTING STRUCTURES, UNDERGROUND UTILITIES AND OTHER EXISTING SERVICES DURING CONSTRUCTION. MAKE GOOD ANY DAMAGE RESULTING FROM THE WORK ON THIS PROJECT TO THE SATISFACTION OF THE OWNER AND CONSULTANT.
- ALL STRUCTURES SHALL BE INSTALLED PLUMB AND LEVEL, AND WITH GOOD CONSTRUCTION PRACTICE.
- ALL TEMPORARY STRUCTURES OR WORKS INCLUDING SHORING, FORMWORK, SCAFFOLDING, AND FALSEWORK SHALL BE PROVIDED BY THE CONTRACTOR.
- ALL SHORING SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER. THE REGION RESERVES THE RIGHT TO REQUEST ENGINEERED DRAWINGS OR ENGINEER'S APPROVAL FOR SHORING PRIOR TO REMOVAL OF THE SUPPORTING STRUCTURE. RELEVANT DOCUMENTATION SHALL BE PROVIDED AT NO ADDITIONAL COST.
- WHEN NOTES OR DETAILS ARE FOUND TO CONTRADICT ONE ANOTHER IN THESE DRAWINGS, THE MORE STRINGENT SHALL GOVERN.
- ALL FASTENERS, ANCHORS, BOLTS, AND THREADED RODS SHALL BE INSTALLED AS PER MANUFACTURER'S SPECIFICATIONS UNLESS NOTED OTHERWISE ON THESE DRAWINGS.
- DO NOT SCALE THE DRAWINGS.

B. CONCRETE NOTES:

- THE DESIGN AND CONSTRUCTION OF ALL CONCRETE WORK ON THIS PROJECT SHALL CONFORM TO THE FOLLOWING CSA STANDARDS:
  - CSA-A23.1-04 CONCRETE MATERIALS AND METHODS OF CONCRETE CONSTRUCTION.
  - CSA-A23.2-04 METHODS OF TESTING FOR CONCRETE
  - CSA-A23.3-04 CODE FOR THE DESIGN OF CONCRETE STRUCTURAL BUILDINGS
  - CAN/CSA G30.18 BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT (GRADE Fy = 400 MPa)
- MINIMUM CONCRETE STRENGTH AT 28 DAYS SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE:
  - INTERIOR PIERS, CURBS, AND FOUNDATION WALL..... 25 MPa (EXPOSURE CLASS N)
  - MISCELLANEOUS INTERIOR CONCRETE ..... 25 MPa (EXPOSURE CLASS N)
  - INTERIOR STAIRCASE..... 25 MPa (EXPOSURE CLASS N) W/ COLOURED SURFACE HARDENER
    - UNLESS NOTED OTHER WISE SHALL BE A NON-METALLIC DRY SHAKE HARDENER
    - COLOURED SURFACE HARDENER ACCEPTABLE TYPES:
      - SURFLEX FRENCH GREY BY EUCLID
      - COLORPLETE FRENCH GREY BY SIKA
      - OR APPROVED EQUIVALENT
- REFER TO TABLE 1 ON THIS DRAWING FOR MINIMUM CONCRETE COVER TO REINFORCING BARS.
- ALL CONCRETE SHALL BE KEPT MOIST DURING THE FIRST THREE DAYS OF CURING.
- TAKE ADEQUATE MEASURES TO PROTECT THE CONCRETE FROM EXPOSURE TO FREEZING TEMPERATURES AT LEAST SEVEN DAYS AFTER CONCRETE PLACEMENT.
- DETAIL, BEND, PLACE AND SUPPORT REINFORCING STEEL IN CONFORMANCE WITH RSIC MANUAL OF STANDARD PRACTICE. UNLESS NOTED OTHERWISE
- THE REINFORCING STEEL, UNLESS OTHERWISE NOTED, SHALL BE DEFORMED BARS CONFORMING TO CSA STANDARD G.30.3-M1983 GRADE 400 (MINIMUM YIELD STRENGTH OF Fy = 58 ksi (400 MPa)).

C. MASONRY:

- DESIGN AND CONSTRUCTION OF ALL MASONRY WORK ON THIS PROJECT SHALL CONFORM TO THE FOLLOWING CSA STANDARDS:
  - CAN/CSA-165 SERIES CSA STANDARDS ON CONCRETE MASONRY UNITS
  - CAN/CSA-A179 MORTAR AND GROUT FOR UNIT MASONRY
  - CAN/CSA-A371 MASONRY CONSTRUCTION FOR BUILDINGS
  - CAN/CSA-304.1 DESIGN OF MASONRY STRUCTURES
  - CAN/CSA G30.18 BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT (GRADE Fy = 400 MPa)
- BLOCK UNITS SHALL BE 20MPa STANDARD CONCRETE MASONRY UNITS AS PER CSA A165.1-04.
- MASONRY MORTAR SHALL BE TYPE S MORTAR. ALL MORTAR SHALL CONFORM TO THE LATEST EDITION OF CSA-A179.
- GROUT FOR REINFORCED CELLS, BOND BEAMS, LINTELS AND CELLS CONTAINING DOWELS, ANCHOR BOLTS AND INSERTS SHALL BE 12.5MPa. FOR BLOCK WALL WIDTHS GREATER THAN OR EQUAL TO 190mm USE COARSE GROUT. FOR BLOCK WALL WIDTHS LESS THAN 190mm USE FINE GROUT. ALL GROUT SHALL CONFORM TO THE LATEST EDITION OF CSA-A179.
- BENEATH STEEL AND CONCRETE BEAMS, JOISTS AND TRUSSES PROVIDE A 600mm MINIMUM DEPTH OF SOLID MASONRY UNITS PROJECTING A MINIMUM OF 200mm BEYOND THE EDGES OF BEARING PLATES, UNLESS OTHERWISE NOTED OR SHOWN.
- FOR BEARING STEEL, CONCRETE OR REINFORCED MASONRY LINTELS, PROVIDE A 400mm MINIMUM DEPTH OF SOLID MASONRY UNITS EXTENDING A MINIMUM OF 400mm BEYOND THE EDGE OF OPENING.
- PROVIDE A 200mm MINIMUM DEPTH OF SOLID MASONRY UNITS FOR SLABS OR STEEL DECK BEARING ON MASONRY.
- MAINTAIN SUPPORT OF MASONRY LINTELS FOR A MINIMUM OF SEVEN DAYS OR UNTIL SUFFICIENT STRENGTH IS GAINED TO SAFELY SUPPORT LOADS IMPOSED.
- PROVIDE COLD WEATHER PROTECTION AS REQUIRED BY CSA A371-04 "MASONRY CONSTRUCTION FOR BUILDINGS".
- CELLS TO BE REINFORCED SHALL BE KEPT CLEAN OF MORTAR.
- FOR HIGH-LIFT GROUTING, PROVIDE CLEAN-OUTS HOLES IN BOTTOM COURSE AND MINIMUM 200mm SLUMP OF GROUT. DO NOT EXCEED 1800mm IN SINGLE LIFT AND 5400mm OF TOTAL VERTICAL POUR IN ONE DAY.
- PROVIDE PREFABRICATED JOINT REINFORCEMENT AT ALL WALL INTERSECTIONS AND CORNERS.
- FOR BONDING BRICK AND BLOCK USE HEAVY DUTY TRUSS-TYPE JOINT REINFORCING AT 200mm O/C.
- PROVIDE ALL ENCLOSURES, HEATING AND UNDERTAKE METHODS OF LAYING MASONRY IN COLD WEATHER, IN ACCORDANCE WITH CAN/CSA- A371 AND IMIAC (RECOMMENDED PRACTICES AND GUIDE SPECIFICATION FOR COLD WEATHER MASONRY CONSTRUCTION).

D. STRUCTURAL STEEL:

- THE DESIGN, FABRICATION, AND ERECTION OF ALL STEEL COMPONENTS SHALL CONFORM TO THE LATEST EDITION OF CSA-S16.
- ALL HOT ROLLED AND WELDED WIDE FLANGE SHAPES SHALL CONFORM TO CAN/CSA-G40.21 GRADE 350W. HOLLOW STRUCTURAL SHAPES SHALL CONFORM TO CAN/CSA-G40.21 GRADE 350W CLASS 'C'. ALL CHANNELS, ANGLES, AND PLATES SHALL CONFORM TO CAN/CSA-G40.21 GRADE 300W.
- ALL SHOP CONNECTIONS SHALL BE WELDED. ALL FIELD CONNECTIONS SHALL BE WELDED OR BOLTED USING HIGH TENSILE-STRENGTH BOLTS, BEARING TYPE. CONNECTIONS SHALL BE CISC DOUBLE ANGLE BEAM CONNECTIONS FOR ASTM A325 BOLTS (MINIMUM 19mmØ) AND E49XX FILLET WELDS.
- ALL WELDING SHALL BE CARRIED OUT IN ACCORDANCE WITH THE LATEST EDITION OF THE FOLLOWING CSA SPECIFICATIONS:
  - W47.1 - 09 FOR QUALIFICATIONS OF WELDERS
  - W48.1, W48.2 TO W48.7 FOR ELECTRODES
  - W59 - 2003(R2008) FOR DESIGN AND WORKMANSHIP
- ALL WELDS TO BE MINIMUM 6mm (1/4") UNLESS NOTED OTHERWISE. ALL EXPOSED WELDS SHALL BE GROUND SMOOTH AND MADE GOOD.
- DO NOT CUT, WELD, DRILL STEEL MEMBERS UNLESS APPROVED BY THE ENGINEER.

D. WOOD/TIMBER NOTES:

- ALL WOOD DESIGN & CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF CSA STANDARD O86-01.
- ALL LUMBER TO BE GRADE STAMPED AND DRY. WOOD GRADE AS NOTED IN DRAWING.
- LUMBER FOR STUD WALLS SHALL BE S-P-F NO 1/NO 2 GRADE. LVL BEAMS SHALL BE 2900F 2.0E RATED WITH MINIMUM BENDING STRESS (Fb) OF 5350PSI; PSL POSTS SHALL BE 1.8E RATED WITH MINIMUM COMPRESSION STRESS PARALLEL TO GRAIN (fc) OF 3950PSI.
- BRIDGING FOR JOISTS SHALL NOT EXCEED 2.1 m (6'-10").
- BRIDGING FOR STUDS SHALL NOT EXCEED 1.5 m (5'-0").
- METAL HANGERS/CONNECTORS SHALL BE MADE FROM LIGHT GAUGE GALVANIZED METAL. SIMPSON STRONG-TIE COMPANY INC. (OR EQUIVALENT) HANGERS/CONNECTORS TO BE USED. CONTRACTOR TO FOLLOW MANUFACTURER'S PROCEDURE FOR INSTALLATION.
- PROTECT LUMBER IN DIRECT CONTACT WITH CONCRETE OR MORTAR WITH 6 Mil (0.006") POLYETHYLENE SHEET.
- PROVIDE ADEQUATE TEMPORARY BRACING FOR ALL STUD WALLS DURING CONSTRUCTION.
- DOUBLE UP STUDS AT EACH END OF AN OPENING UNLESS NOTED OTHERWISE.
- TYPICAL FASTENER FOR A BUILT-UP BEAM TO BE EITHER 16d (3.5" LG.) NAIL OR #8X3.5" SCREW MEETING REQUIREMENTS OF ASME B18.6.1 WOOD SCREW.
- TYPICAL BOLT FOR BUILT-UP BEAMS TO BE 13 mm (1/2")Ø ASTM A307 BOLT C/W NUT AND WASHER.
- ALL WOOD DESIGN & CONSTRUCTION TO BE IN ACCORDANCE WITH CSA STANDARD O86-01.

4.	NOV/10/2023	FOR TENDER	A.S.
3.	MAR/13/2023	FOR PERMIT AND TENDER	JZ
2.	FEB/13/2023	FOR 100% REVIEW	JZ
1.	JAN/30/2023	FOR 75% REVIEW	JZ
NO.	DATE	ISSUED	BY

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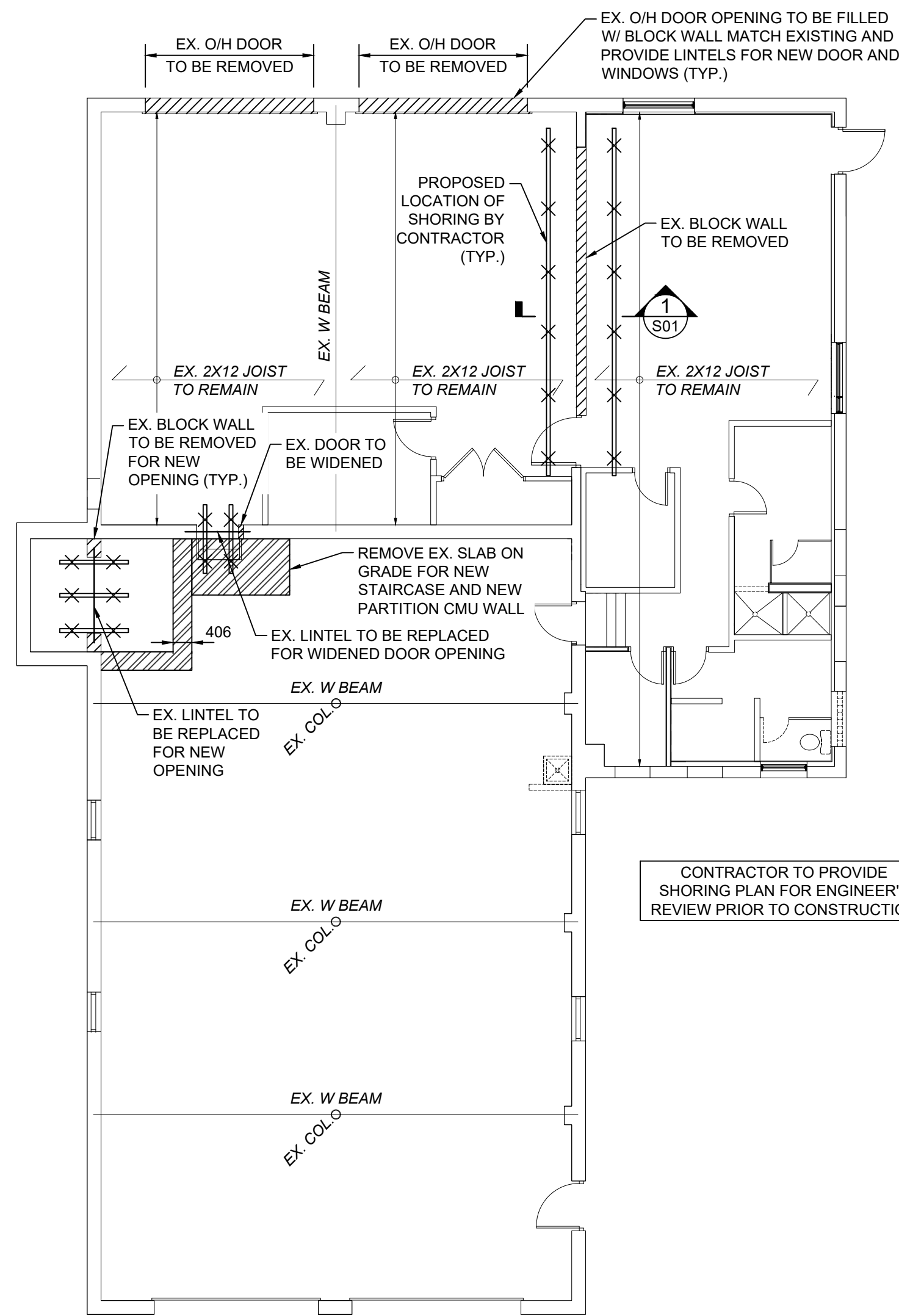
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STATION RENOVATION

DRAWING TITLE:  
GENERAL NOTES, KEY PLAN  
AND TYPICAL DETAILS

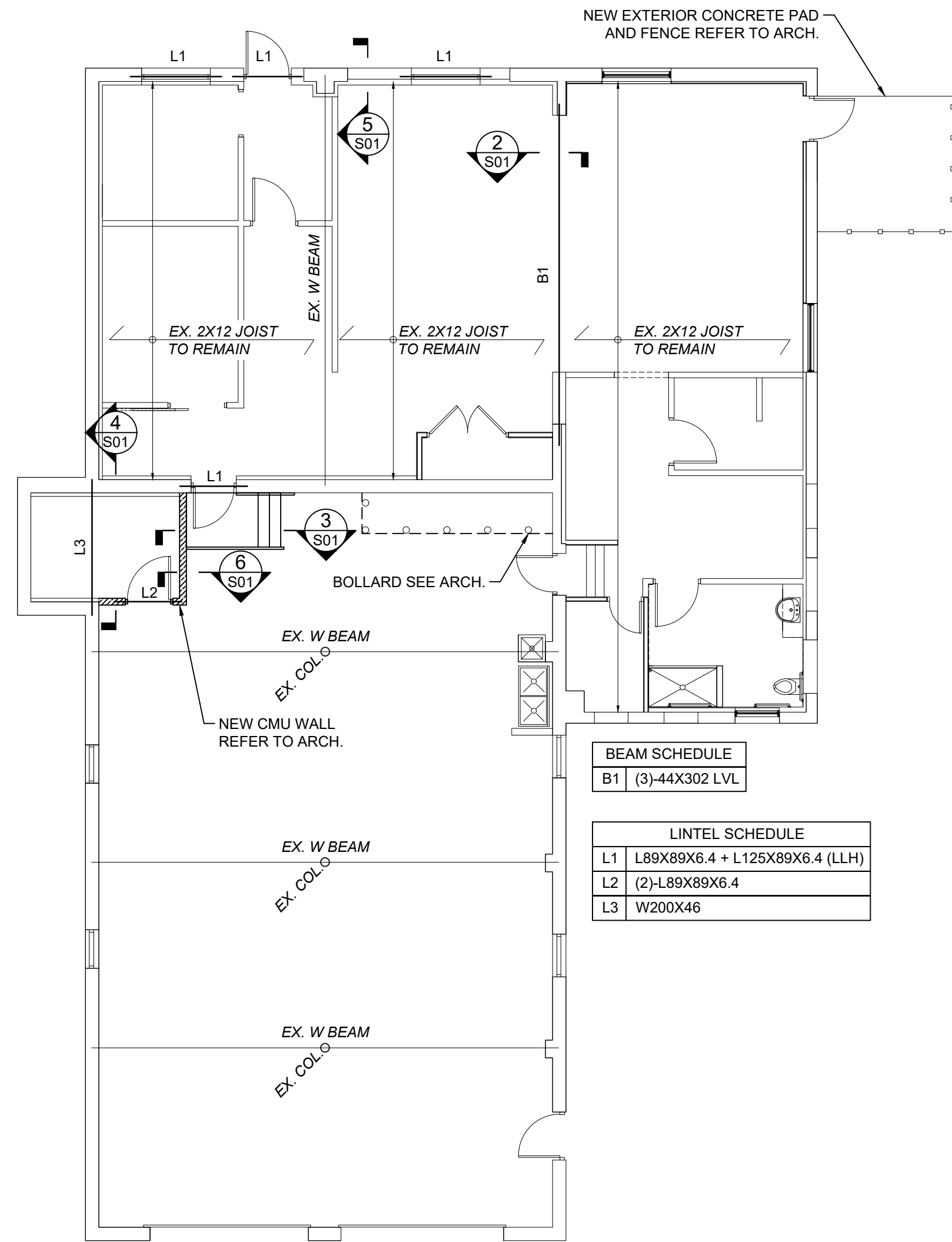
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DRAWN:	JZ	
REVIEWED:	AS	
PROJECT NO:	22113	
SCALE:	NTS	

S01

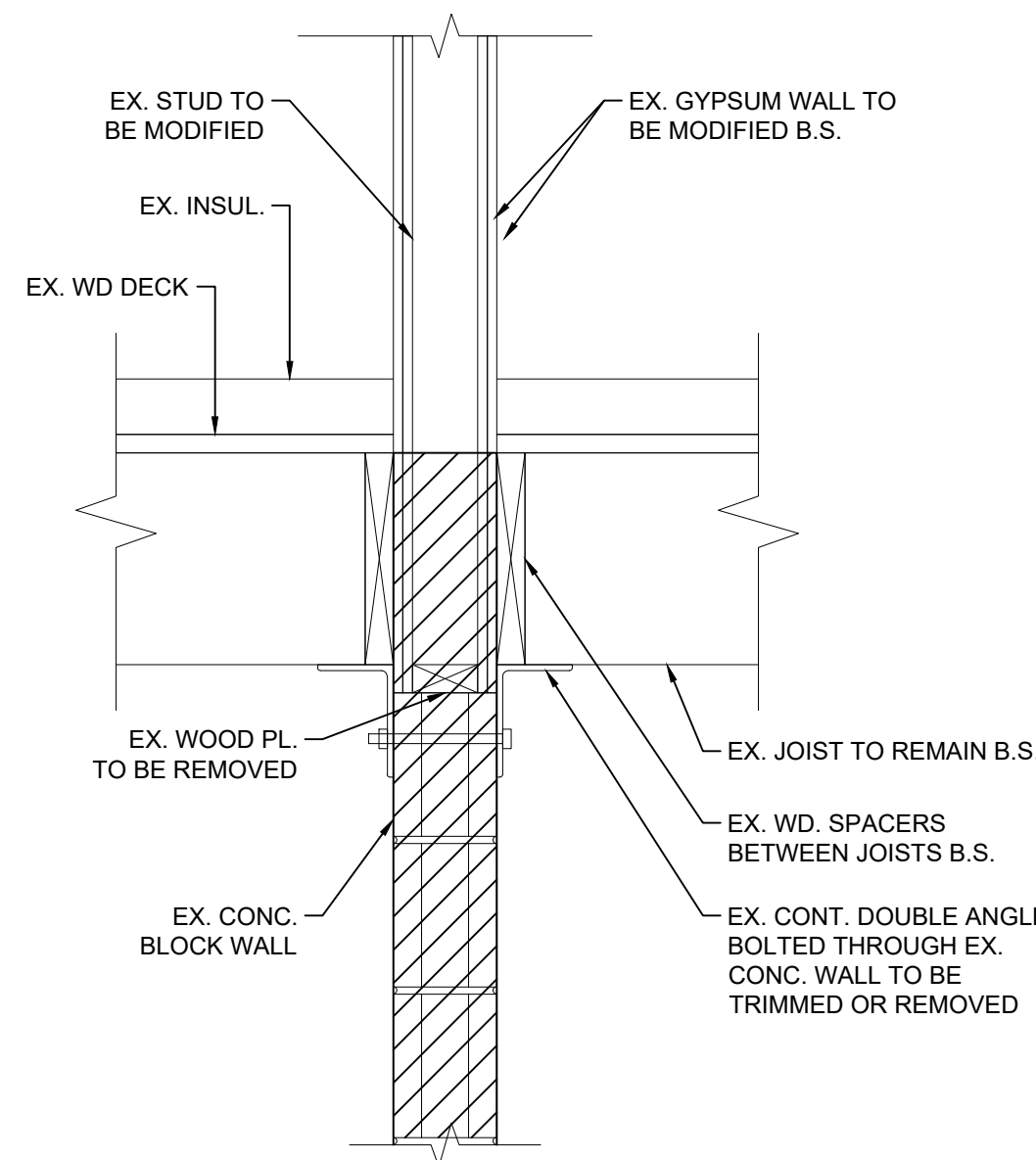




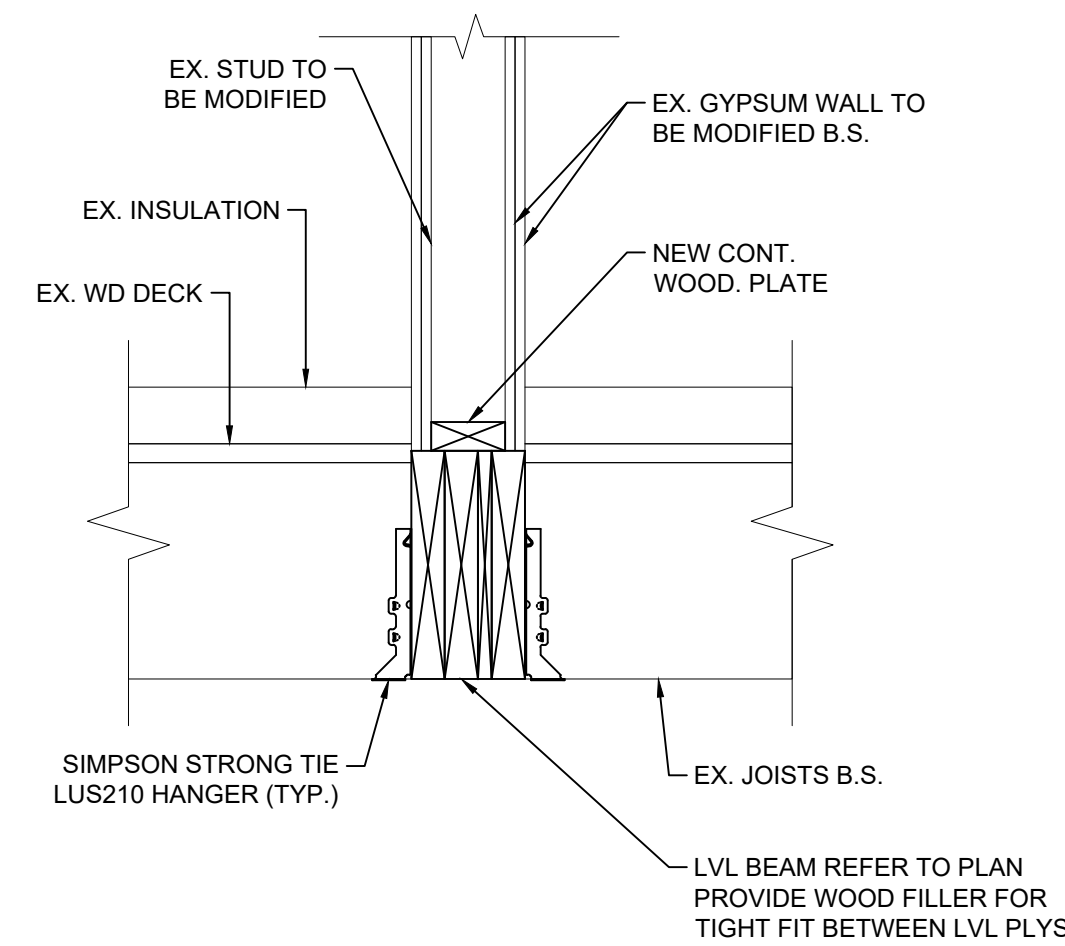
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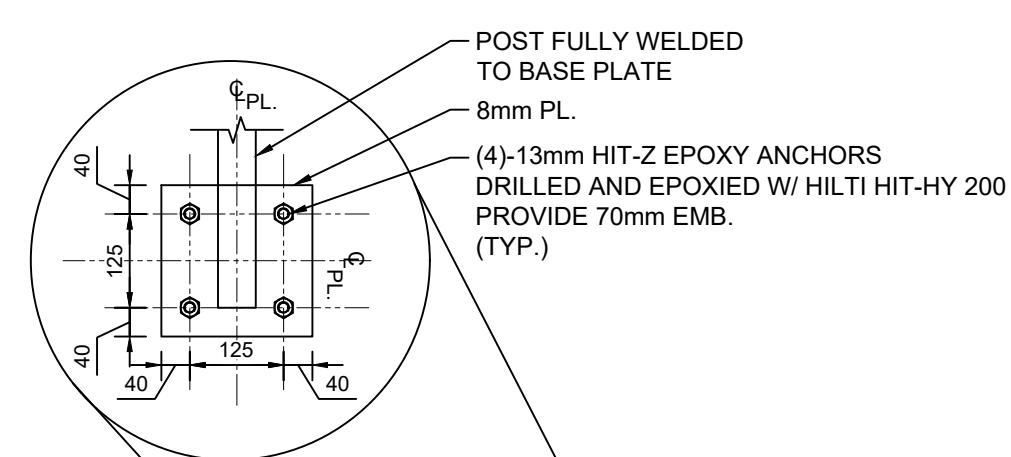
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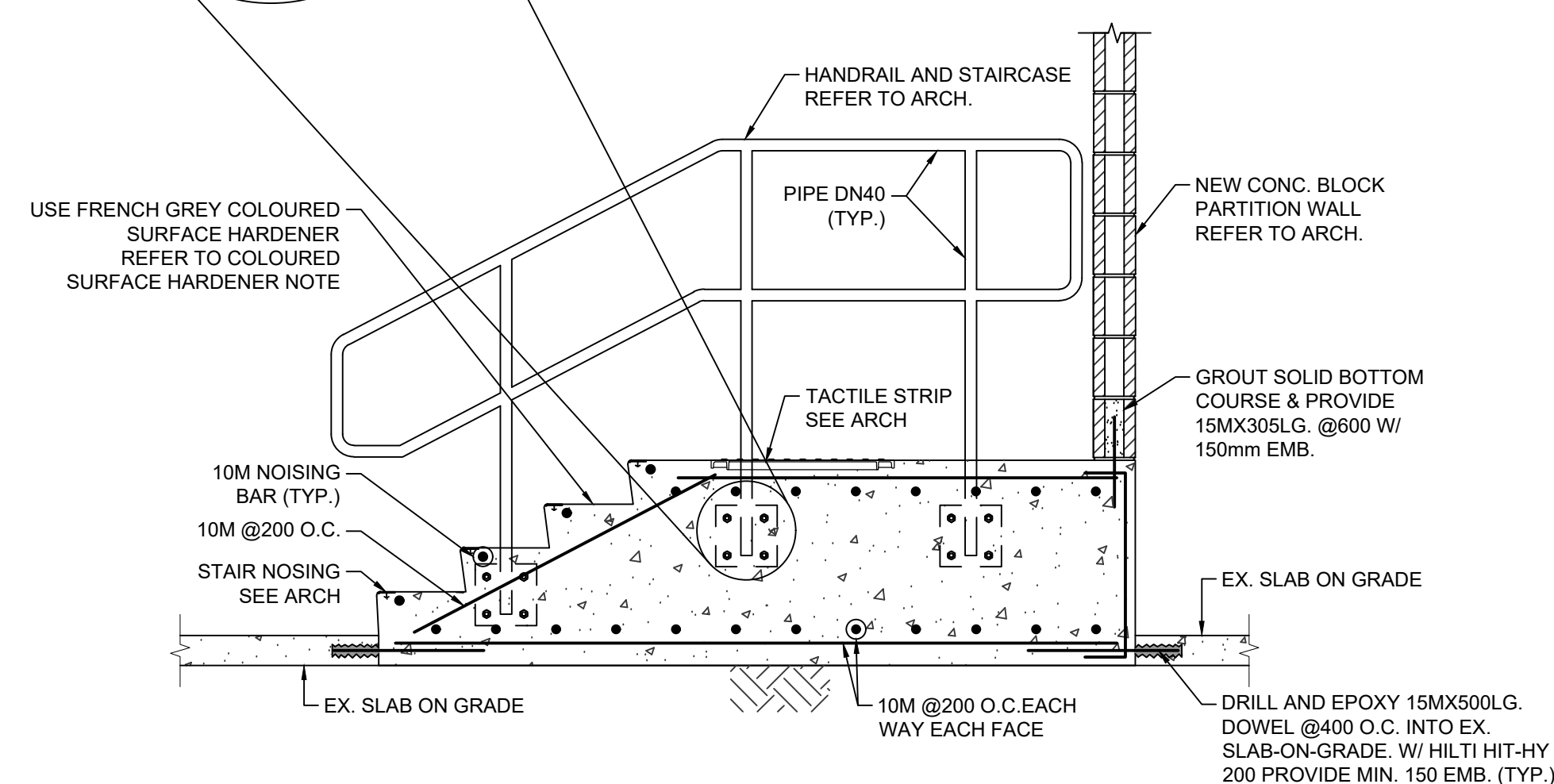
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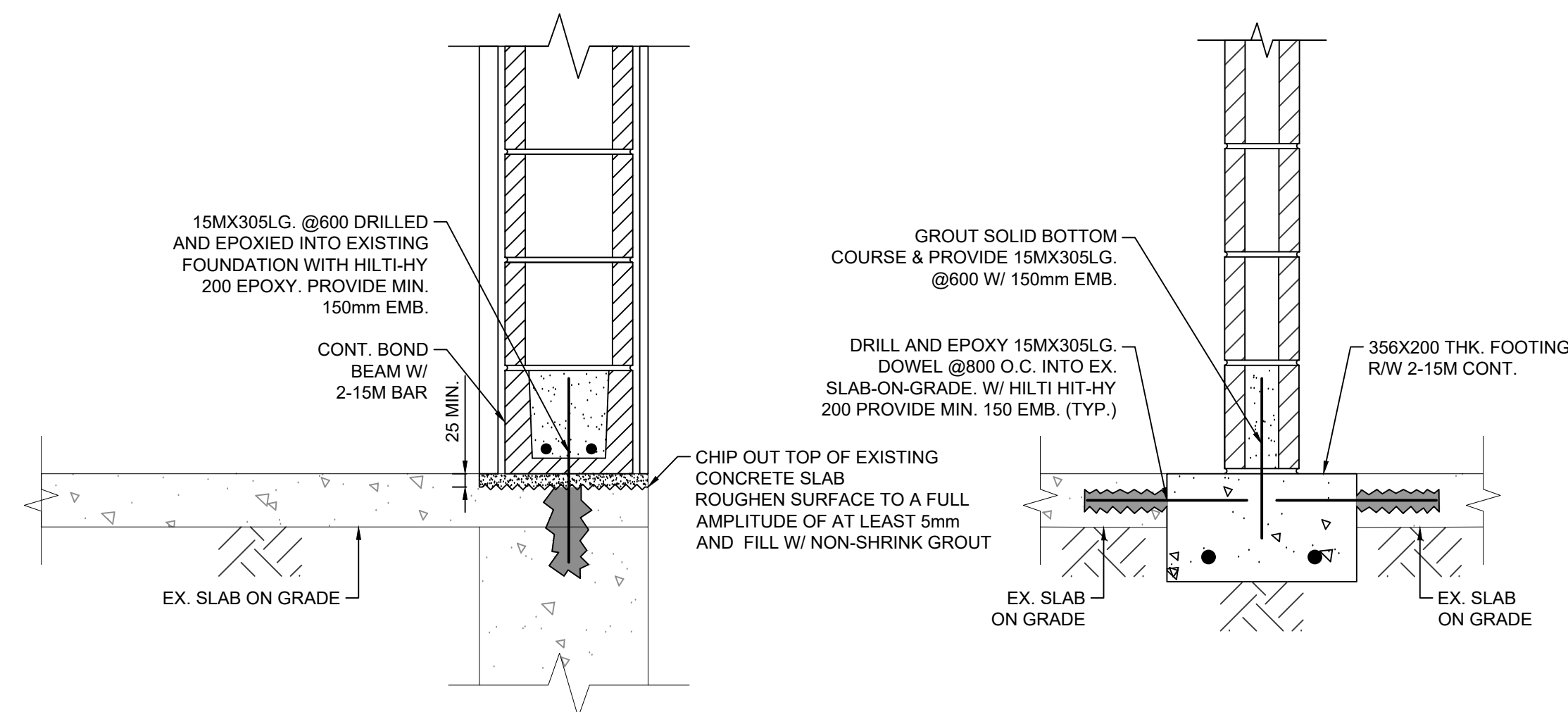
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- COLOURED SURFACE HARDENER NOTE:**
- UNLESS NOTED OTHER WISE SHALL BE A NON-METALLIC DRY SHAKE HARDENER
  - COLOURED SURFACE HARDENER ACCEPTABLE TYPES:
    - SURFLEX FRENCH GREY BY EUCLID
    - COLORPLETE FRENCH GREY BY SIKA
    - OR APPROVED EQUIVALENT

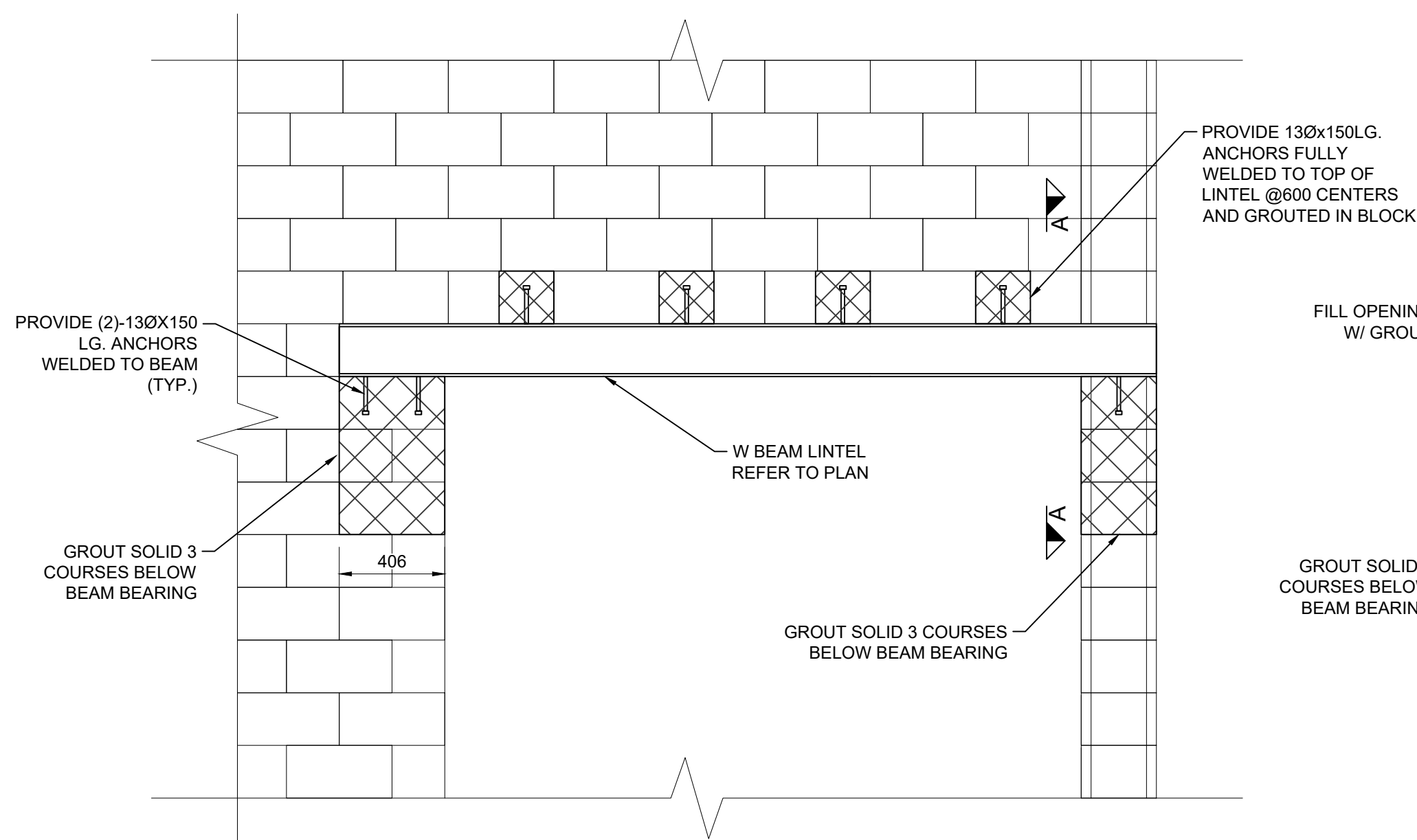


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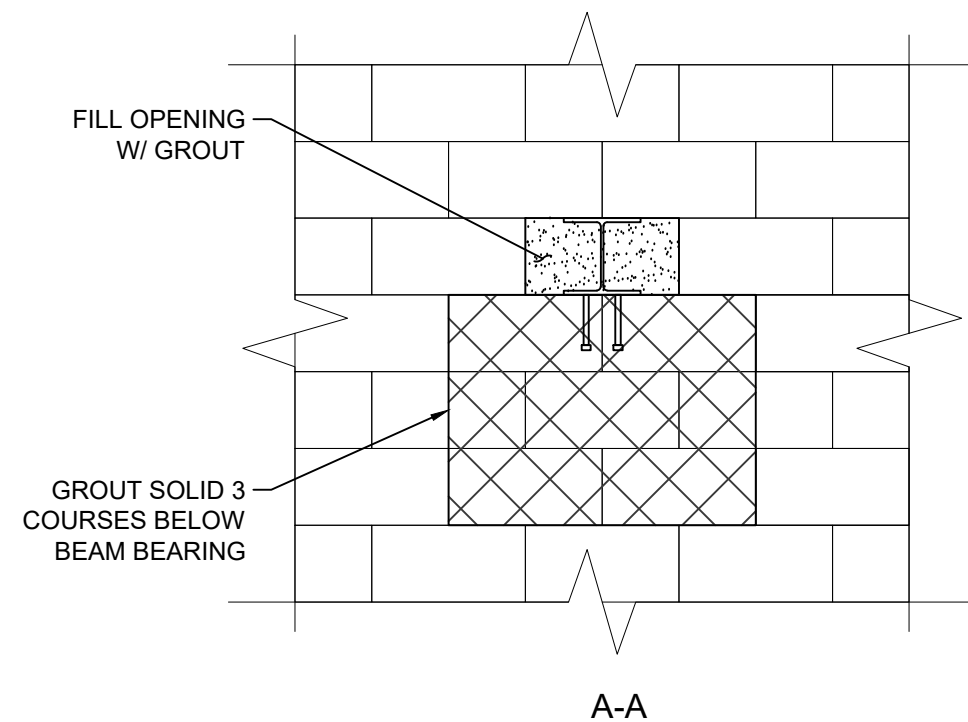


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6 SECTION  
S01 SCALE 1:10

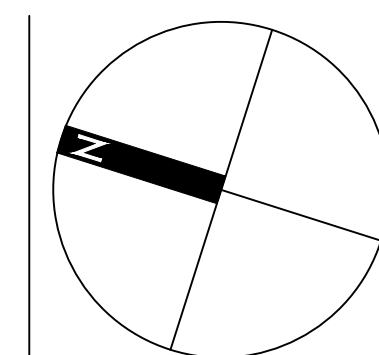


4 SECTION  
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KEY PLAN

4.	NOV/10/2023	FOR TENDER	A.S.
3.	MAR/13/2023	FOR PERMIT AND TENDER	JZ
2.	FEB/13/2023	FOR 100% REVIEW	JZ
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NO.	DATE	ISSUED	BY



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12825 KEELE STREET, KING CITY, ON

PROJECT:

YORK REGION PARAMEDIC RESPONSE  
STATION RENOVATION

DRAWING TITLE:

PLAN AND SECTION DETAILS

DATE: JAN. 30, 2023

SHEET:

DRAWN: JZ

REVIEWED: AS

PROJECT NO: 22113

SCALE: AS NOTED

**S02**



# MECHANICAL DRAWINGS



DWG. NO.	DRAWING NAME
M-0	TITLE SHEET
M-1.1	MECHANICAL SPECIFICATIONS I
M-1.2	MECHANICAL SPECIFICATIONS II & LEGEND
M-1.3	MECHANICAL SCHEDULES
M-1.4	MECHANICAL DETAILS
M-2.1	GROUND FLOOR PLAN - HVAC
M-3.1	GROUND FLOOR PLAN - PLUMBING
M-4.1	GROUND FLOOR PLAN - DRAINAGE


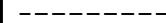
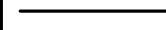
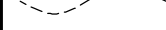























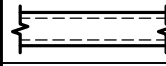
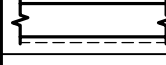
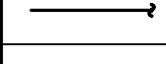

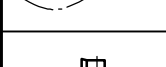
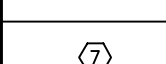





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PLUMBING SPECIFICATIONS	NATURAL GAS PIPING SPECIFICATIONS	REFRIGERANT PIPING SPECIFICATIONS
<p>1. PROVIDE PLUMBING SYSTEMS AS PER DRAWINGS, SPECIFICATIONS, THE LATEST EDITION OF THE ONTARIO BUILDING CODE, MUNICIPAL BY-LAWS AND THE AUTHORITY HAVING JURISDICTION. THE TERM "SYSTEMS" REFERS TO ALL PIPING, FITTINGS, SUPPORTS, CURBS, ACCESSORIES, ETC.</p> <p>2. ALL ITEMS REQUIRED FOR PLUMBING SYSTEMS <u>SHALL BE CSA APPROVED UNLESS OTHERWISE NOTED.</u></p> <p>3. <u>CLEANING, FLUSHING AND DISINFECTING OF DOMESTIC WATER PIPING</u></p> <p>3.1. FOLLOW PROCEDURES AS OUTLINED IN THE LATEST EDITION OF STANDARD AWWA C651. ENSURE THAT THE METHODS COMPLY WITH LOCAL BY-LAWS.</p> <p>3.2. PREVENT CONTAMINATING MATERIAL FROM ENTERING THE SYSTEM DURING STORAGE, CONSTRUCTION AND REPAIR.</p> <p>3.3. REMOVE AND FLUSH ALL FOREIGN MATTER THAT HAS ENTERED THE PIPING.</p> <p>3.4. PROTECT THE EXISTING DISTRIBUTION SYSTEM FROM BACKFLOW DUE TO HYDROSTATIC PRESSURE AND DISINFECTION PROCEDURES.</p> <p>3.5. CHLORINATE RESIDUAL CONTAMINATION THAT MAY REMAIN AND FLUSH THE CHLORINATED WATER WHEN COMPLETE. FOLLOWING THIS, DETERMINE THE BACTERIOLOGICAL QUALITY OF THE WATER BY LABORATORY TESTING. CONNECT THE WATER SYSTEM ONLY WHEN TEST RESULTS INDICATE AN APPROVED AND DISINFECTED SYSTEM.</p> <p>4. <u>PIPING INSULATION</u></p> <p>4.1. PROVIDE PIPING INSULATION FOR PLUMBING SYSTEMS AS FOLLOWS:</p> <p>DCW: TYPE 'A', 1" TO 4" - 1/2" THICK, 5" AND UP - 1" THICK - DHWR(R): TYPE 'A', UP TO 2" - 1" THICK, 2-1/2" AND UP - 1-1/2" THICK - CD (HORIZONTAL): TYPE 'A', 1/2" THROUGHOUT</p> <p>4.2. TYPE 'A': JOHNS MANVILLE MICRO-LOK FIBER GLASS PIPE INSULATION COMPLETE WITH JACKET AND VAPOR RETARDER. CONNECT SECTIONS OF INSULATION WITH BUTT STRIPS SUPPLIED BY THE INSULATION MANUFACTURER.</p> <p>4.3. <u>WHERE NOTED</u>, INSULATE PIPING WITH HEAVY-GAUGE PVC FITTINGS, COVER AND JACKETING EQUAL TO JOHNS MANVILLE ZESTON 300 SERIES.</p> <p>4.4. PROVIDE INSULATION ON PIPES GOING THROUGH <u>FIRE RATED FLOORS AND WALLS</u>, AND <u>FIT TIGHT TO THE FIRE STOP MATERIAL.</u></p> <p>4.5. <u>HEATING WATER PIPING</u> SHALL HAVE GLASS FIBRE PIPE INSULATION.</p> <p>5. MAKE ALL PIPING AND ELECTRICAL CONNECTION TO PUMPS AND MOTOR ASSEMBLIES AS SPECIFIED. REFER TO PUMP SCHEDULE (WHERE APPLICABLE).</p> <p>6. <u>PIPING MATERIALS (SEE BELOW FOR MATERIALS SPECIFICATIONS)</u></p> <p>6.1. <u>DCW AND DHWR(R)</u></p> <p>6.1.1. ABOVE GROUND: TYPE 1</p> <p>6.1.2. UNDERGROUND: TYPE 2</p> <p>6.2. <u>SANITARY &amp; STORM DRAINAGE PIPING</u></p> <p>6.2.1. ABOVE GROUND: TYPE 3, TYPE 4, TYPE 6 (WHERE PERMITTED)</p> <p>6.2.2. UNDERGROUND: TYPE 4 (2" MIN.), TYPE 5, TYPE 7</p> <p>6.3. <u>VENT PIPING</u></p> <p>6.3.1. ABOVE GROUND: TYPE 3, TYPE 4, TYPE 6 (WHERE PERMITTED)</p> <p>6.3.2. UNDERGROUND: TYPE4, TYPE 5, TYPE 7</p> <p>TYPE 1: TYPE L HARD DRAWN COPPER TUBING WITH WROUGHT COPPER FITTINGS AND LEAD-FREE SOLDER, CONTAINING LESS THAN .02 PERCENT LEAD, CONFORMING TO ASTM B32.</p> <p>TYPE 2: TYPE K SOFT ANNEALED COPPER TUBING WITH NO JOINTS.</p> <p>TYPE 3: TYPE DWV COPPER TUBE AND FITTINGS WITH 95:5 TIN/ANTIMONY SOLDER JOINTS.</p> <p>TYPE 4: CAST IRON PIPING AND FITTINGS COMPLYING WITH CAN/CSA-B70. FOR MECHANICAL JOINTS ABOVE GRADE, USE NEOPRENE OR BUTYL RUBBER COMPRESSION GASKETS TO CAN/CSA-B70 WITH STAINLESS STEEL CLAMPS. FOR MECHANICAL JOINTS BELOW GRADE, USE MISSION HEAVYWEIGHT COUPLINGS FOR HUB AND SPOOT CONNECTIONS. PROVIDE NEOPRENE GASKET TO CAN/CSA-B70 AND COLD CAULKING COMPOUNDS. DO NOT USE HUB AND SPOOT FOR ABOVE GROUND APPLICATIONS.</p> <p>TYPE 5: IPEX RING-TITE PVC SDR 35 SENIOR PIPE IN COMPLIANCE WITH CSA B182.2 AND CSA B182.7. LATERALS WILL IPEX RING-TITE PVC SDR 18 IN COMPLIANCE WITH CSA B182.2.</p> <p>TYPE 6: IPEX XFR PIPING AND FITTINGS COMPLYING WITH CSA B181.2, SCHEDULE 40 WITH A FLAME SPREAD RATING OF NOT GREATER THAN 25 AND A SMOKE DEVELOPED CLASSIFICATION OF LESS THAN 50.</p> <p>TYPE 7: ROYAL ABS-DWV PIPING AND FITTINGS CERTIFIED TO CSA B181.1.</p> <p>7. <u>VALVES</u></p> <p>7.1. PROVIDE ASTM DOMESTIC WATER VALVES TO THE FOLLOWING KITZ FIGURE NUMBERS:</p> <p>7.1.1. <u>GATE VALVES</u></p> <p>7.1.1.1. 2" AND SMALLER: SOLDERED, 1400 kPa [200psi] W.O.G. FIG. 44</p> <p>7.1.1.2. 2-1/2" AND LARGER: FLANGED, 1400 kPa [200psi] W.O.G. FIG. 44</p> <p>7.1.2. <u>GLOBE VALVES</u></p> <p>7.1.1.1. 2" AND SMALLER: SOLDERED, 2070 kPa [300 psi], W.O.G. FIG. 10 WITH SUITABLE COMPOSITION DISC.</p> <p>7.1.1.2. 2-1/2" AND LARGER: FLANGED, 1400 kPa [200 psi], W.O.G. FIG. 76</p> <p>7.1.2. <u>STANDARD CHECK VALVES</u></p> <p>7.1.1.1. 2" AND SMALLER: SOLDERED, 2070 kPa [300 psi], W.O.G. FIG. 23</p> <p>7.1.1.2. 2-1/2" AND LARGER: FLANGED, 1400 kPa [200 psi], W.O.G. FIG. 78</p> <p>7.1.2. <u>BALL VALVES</u></p> <p>7.1.1.1. 2" AND SMALLER: BALL VALVES MAY BE PROVIDED AS A SUBSTITUTE FOR GATE AND GLOBE VALVES. PROVIDE BALL VALVES WITH BRASS OR BRONZE BODY, CHROME PLATED SOLID BALL, PTFE SEATS AND SEALS AND FULL PORT, KITZ FIG. 59.</p> <p>7.2. PROVIDE <u>ISOLATION VALVES</u> FOR DOMESTIC HOT AND COLD WATER SYSTEMS AT MAIN PIPING, BRANCH PIPING AND AT FIXTURES AND EQUIPMENT.</p> <p>8. <u>VERIFY ALL SITE CONDITIONS AFTER CONTRACT AWARD</u> TO ENSURE THAT PIPING INVERTS ARE SUFFICIENT FOR THE RUNS SHOWN ON MECHANICAL DRAWINGS. REPORT DISCREPANCIES TO ENGINEER IMMEDIATELY.</p> <p>9. <u>CARRY OUT TESTING</u> ON ALL SYSTEMS INCLUDING SANITARY DRAINAGE SYSTEMS, STORM DRAINAGE SYSTEMS AND DOMESTIC WATER SYSTEMS AS PER PART 7.3.6 OF THE ONTARIO BUILDING CODE AND THE AUTHORITIES HAVING JURISDICTION. TESTS MAY INCLUDE, BUT ARE NOT LIMITED TO, A WATER TEST, PRESSURE TEST, BALL TEST AND FINAL TEST.</p> <p>10. MAKE PROVISIONS FOR MAINTAINING THE <u>SEAL</u> OF ALL HUB DRAINS, FLOOR DRAINS, ETC. IN ACCORDANCE WITH THE ONTARIO BUILDING CODE. WHERE MECHANICAL OR ELECTRICAL DEVICES ARE USED, THE MINIMUM TUBING SIZE SHALL BE 3.8".</p> <p>11. PROVIDE <u>FIRESTOPPING</u> AT ALL FIRE-RATED WALL AND FLOOR ASSEMBLIES AS PER THE 'GENERAL SPECIFICATIONS'.</p> <p>12. <u>COORDINATE EXACT LOCATIONS</u> OF ALL PLUMBING FIXTURES WITH ALL TRADES AND ARCHITECTURAL/INTERIOR DESIGN DRAWINGS, DO NOT SCALE MECHANICAL DRAWINGS.</p> <p>13. WHERE PLUMBING FIXTURES ARE SPECIFIED, THE CONTRACTOR SHALL PROVIDE ALL ACCESSORIES AND APPURTENANCES TO PROVIDE A FULL AND COMPLETE INSTALLATION OF THE RESPECTIVE FIXTURE. THIS MAY INCLUDE, BUT IS NOT LIMITED TO, STOP VALVES, RISER PIPING, ESCUTCHEON PLATES, ETC.</p> <p>14. PROVIDE VENTING SYSTEMS IN ACCORDANCE WITH PART 7 OF THE ONTARIO BUILDING CODE.</p>	<p>1. GENERAL</p> <p>1.1. PROVIDE A COMPLETE AND OPERATING NATURAL GAS SYSTEM IN ACCORDANCE WITH CAN/CSA B149.1, THE ONTARIO BUILDING CODE AND THE AUTHORITIES HAVING JURISDICTION.</p> <p>1.2. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION AND PAYMENT OF PERMITS WITH ALL PARTIES INCLUDING THE LOCAL GAS UTILITY COMPANY.</p> <p>2. PRODUCTS</p> <p>2.1. PIPE AND FITTINGS</p> <p>2.1.1. PROVIDE SEAMLESS SCHEDULE 40 BLACK STEEL PIPING CONFORMING TO ASTM A53/A53M. FOR 1/2" TO 2", ENDS SHALL BE SCREWED, AND FOR 2-1/2" AND GREATER, ENDS SHALL BE PLAIN.</p> <p>2.1.2. FOR SIZES 1/2" TO 2" USE MALLEABLE IRON SCREWED FITTINGS TO ANSI B16.3, MALLEABLE IRON UNIONS TO ASTM A47M, AND SCHEDULE 40 NIPPLES TO AST A53.</p> <p>2.1.3. ALL PIPING AND FITTINGS FOR SIZES 2-1/2" AND GREATER SHALL BE WELDED IN ACCORDANCE WITH CSA W47.1.</p> <p>2.1.4. MANUAL SHUTOFF VALVES SHALL BE FULL PORT, FORGED BRASS BALL VALVE WITH TWO PIECE BODY CONSTRUCTION COMPLETE WITH CGA 3.16 APPROVAL, CRN NUMBER AND LEVER HANDLE.</p> <p>3. EXECUTION</p> <p>3.1. INSTALL ALL APPLIANCES AND EQUIPMENT IN ACCORDANCE WITH CAN/CSA B149.1 AND THE MANUFACTURER'S WRITTEN RECOMMENDATIONS, TECHNICAL BULLETINS, DATASHEETS AND INSTALLATION INSTRUCTIONS.</p> <p>3.2. SLOPE PIPING DOWN IN DIRECTION TO FLOW TO LOW POINTS.</p> <p>3.3. INSTALL DRIP POINTS AT LOW POINTS COMPLETE WITH BLOWDOWN VALVE, 3/4" MINIMUM SIZE, SCREWED AND CAPPED.</p> <p>3.4. ALL PIPING SHALL BE REAMED AND CLEANED FOR BOTH SCALE AND DIRT ON THE INSIDE AND OUTSIDE OF PIPES.</p> <p>3.5. PROVIDE GAS PIPING SYSTEM SO AS TO MINIMIZE THE AMOUNT OF PIPE DISMANTLING FOR EQUIPMENT REMOVAL.</p> <p>3.6. ALL VALVES SHALL BE INSTALLED WITH STEMS IN THE UPRIGHT OR HORIZONTAL POSITION.</p> <p>3.7. TEST, ADJUST, PURGE AND CLEAN ALL SYSTEMS IN ACCORDANCE WITH CAN/CSA B149.1 AND CAN/CSA B149.2.</p> <p>3.8. IDENTIFY ALL PIPING SYSTEMS IN ACCORDANCE WITH CAN/CSA B149.1. ALL ABOVE GROUND PIPING OUTSIDE THE BUILDING SHALL BE PRIMED AND PAINTED YELLOW THROUGHOUT. INDOOR ABOVE GROUND PIPING MAY BE PAINTED, PROVIDED WITH YELLOW BANDING OF MIN. WIDTH 1", OR PROVIDED WITH PIPE MARKINGS AS PER THE GENERAL SPECIFICATIONS. IDENTIFICATION MARKINGS SHALL NOT EXCEED 20 FT.</p> <p>3.9. PROVIDE PIPE SUPPORT AND SPACING AS PER PART 6 OF CAN/CSA B149.1.</p> <p>3.10. FOR INSTALLATION ON ROOF, PROVIDE PIPING SUPPORTS EQUAL TO MIFAB CXP RUBBER SUPPORTS COMPLETE WITH PIPE STRAP CLAMPS.</p>	<p>1. GENERAL</p> <p>1.1. PROVIDE A COMPLETE AND OPERATING REFRIGERANT SYSTEM IN ACCORDANCE WITH CSA-B52, THE ONTARIO BUILDING CODE, ASME AND THE AUTHORITIES HAVING JURISDICTION.</p> <p>2. PRODUCTS</p> <p>2.1. TUBING</p> <p>2.1.1. TUBING SHALL BE SUITABLE FOR REFRIGERATION INSTALLATION AND AS SUCH, SHALL BE DEOXYDIZED, DEHYDRATED AND SEALED.</p> <p>2.1.2. TUBING SHALL BE HARD COPPER TO ASTM-B280, NITROGENIZED, TYPE ACR-B OR ANNEALED COPPER TO ASTM-B280 WITH MINIMUM WALL THICKNESS IN ACCORDANCE WITH CSA-B52 AND ASME-B31.5.</p> <p>2.2. FITTINGS</p> <p>2.2.1. FITTINGS SHALL BE PROVIDED FOR SERVICE DESIGN PRESSURES AND TEMPERATURES IN ACCORDANCE WITH CSA-B52.</p> <p>2.2.2. FITTINGS SHALL BE WROUGHT COPPER IN ACCORDANCE WITH ASME-B16.22. JOINTS ARE TO BE BRAZED WITH SILVER SOLDER, 45% Ag-80% Cu-5% P AND NON-CORROSIVE FLUX FOR COPPER TO STEEL OR BRASS. UTILIZE SUTOPS-15 FOR COPPER TO COPPER BRAZING.</p> <p>2.3. PIPE SLEEVES</p> <p>2.3.1. PROVIDE HARD COPPER OR STEEL FOR A MINIMUM CLEARANCE OF 2" BETWEEN SLEEVE AND OUTSIDE OF INSULATION.</p> <p>2.4. VALVES</p> <p>2.4.1. PROVIDE ALL VALVES FOR THE SERVICE DESIGN PRESSURES AND TEMPERATURES IN ACCORDANCE WITH CSA-B52 AND ASME.</p> <p>3. EXECUTION</p> <p>3.1. INSTALL ALL REFRIGERANT PIPING SYSTEMS IN ACCORDANCE WITH CSA-B52 AND ASME-B31.5.</p> <p>3.2. BRAZING</p> <p>3.2.1. BLEED INERT GAS INTO PIPE DURING THE BRAZING PROCEDURE. ENSURE TO REMOVE ALL VALVE INTERNAL ASSEMBLIES, SOLENOID VALVE COILS AND SIGHT GLASS. REFRAIN FROM APPLYING HEAT NEAR BULBS AND EXPANSION VALVES.</p> <p>3.3. PIPING INSTALLATION</p> <p>3.3.1. FOR ANNEALED COPPER, PIPING SHALL BE BENT WITHOUT COMPING OR CONSTRICTION TO REFRIGERANT FLOW. DO NOT BEND HARD DRAWN COPPER TUBING.</p> <p>3.3.2. FOR HOT GAS LINES, PITCH PIPING AT LEAST 1:240 DOWN IN THE DIRECTION OF FLOW IN ORDER TO PREVENT OIL RETURN TO COMPRESSOR.</p> <p>3.3.3. PROVIDE A TRAP AT THE BASE OF PIPING RISERS GREATER THAN 6 FT. HIGH, AND EVERY 20 FT. AFTER. PROVIDE AN INVERTED DEEP TRAP AT THE TOP OF RISERS.</p> <p>3.3.4. FOR COMPRESSORS WITH CAPACITY MODULATION AND SMALL RISERS, THE RISER SHALL BE SIZED FOR 16.7 FPS AT</p>

HVAC LEGEND	
	EXISTING DUCTWORK/EQUIPMENT
	EXISTING DUCTWORK/EQUIPMENT TO BE REMOVED
	NEW RIGID DUCTWORK
	EXISTING FLEXIBLE DUCTWORK
	NEW FLEXIBLE DUCTWORK
	SUPPLY AIR DUCTWORK UP
	SUPPLY AIR DUCTWORK DOWN
	RETURN AIR DUCTWORK UP
	RETURN AIR DUCTWORK DOWN
S/A	'SUPPLY AIR'
R/A	'RETURN AIR'
F/D	'FIRE DAMPER'
L BD	'BALANCING DAMPER'
BDD	'BACKDRAFT DAMPER'
M/D	'MOTORIZED DAMPER'
	SQUARE SUPPLY AIR DIFFUSER
	SUPPLY AIR GRILLE
	RETURN AIR GRILLE
	SLOT DIFFUSER
	THERMOSTAT
	HUMIDISTAT
	CARBON DIOXIDE SENSOR
	CARBON MONOXIDE DETECTOR
	ZONE SENSOR
A-6"ø 150CFM	DIFF TYPE/SIZE AIR CAPACITY
TYP.	'TYPICAL'
X-XY	EQUIPMENT TAG
CTE	'CONNECT TO EXISTING'
	FAN-POWERED TERMINAL UNIT
	VAV TERMINAL UNIT
	CABINET EXHAUST FAN
	INLINE EXHAUST FAN
	ELECTRIC DUCT HEATER
	CIRCULAR EXHAUST FAN
	BASEBOARD HEATER
	FORCE FLOW HEATER
	UNIT HEATER
	DUCTWORK WITH ACOUSTIC OR THERMAL INSULATION (SEE SPECS.)
	DUCTWORK WITH ACOUSTIC INSULATION
	DUCTWORK WITH THERMAL INSULATION
	CONTINUATION OF DUCTWORK/PIPING
	EXISTING CONTROL WIRING
	NEW CONTROL WIRING
	SPIN-ON DUCT CONNECTION WITH BALANCING DAMPER
	DRAWING NOTE
	ROUND SUPPLY AIR DIFFUSER
	LOUVERED FACE SUPPLY/RETURN GRILLE
CAP	CAP ON DUCTWORK
	BRANCH ON DUCTWORK

[illegible]

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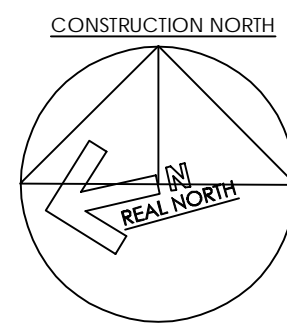
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04	10NOV23	SW	ISSUED FOR TENDER
03	13MAR23	SW	ISSUED FOR PERMIT & TENDER
02	21FEB23	RG	ISSUED FOR 100% REVIEW
01	31JAN23	SW	ISSUED FOR 75% REVIEW

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project title

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12825 KEELE STREET  
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drawing title

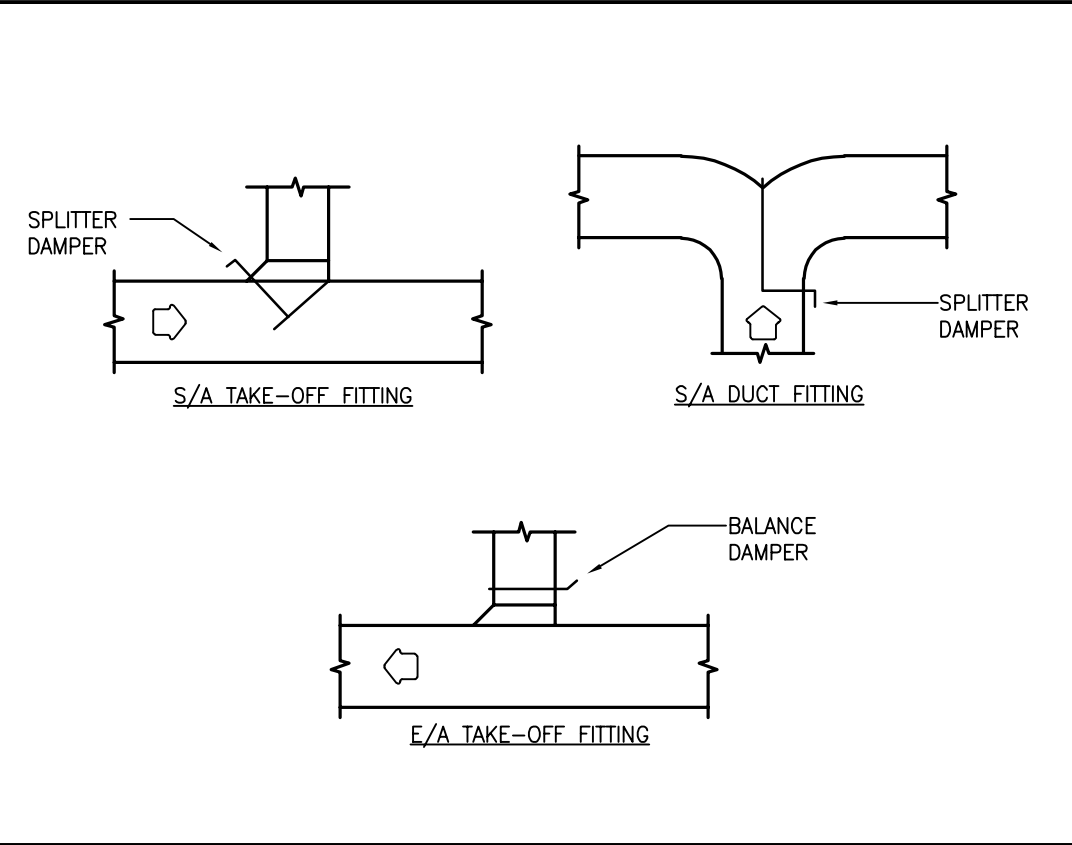
## MECHANICAL SPECIFICATIONS II & LEGEND

date DEC2022	project no. 22-109
drawn by SW	cad file:
checked by RG	drawing no.
scale AS NOTED	M-1.2

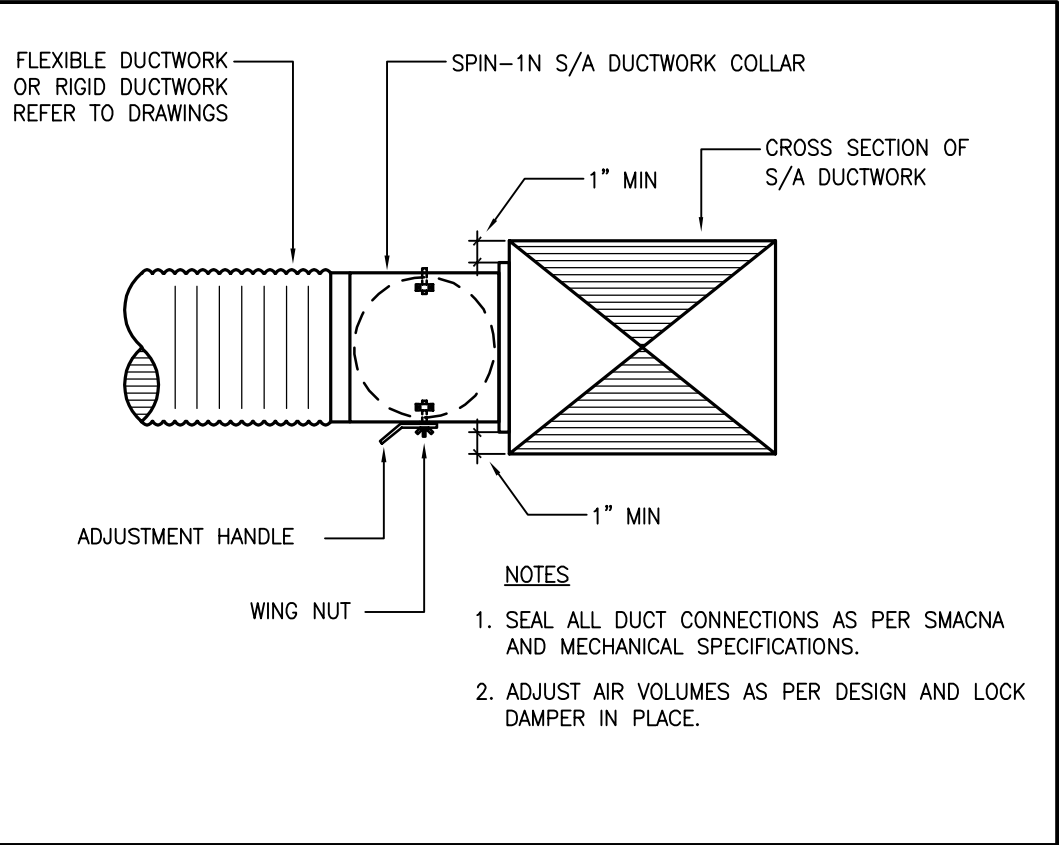




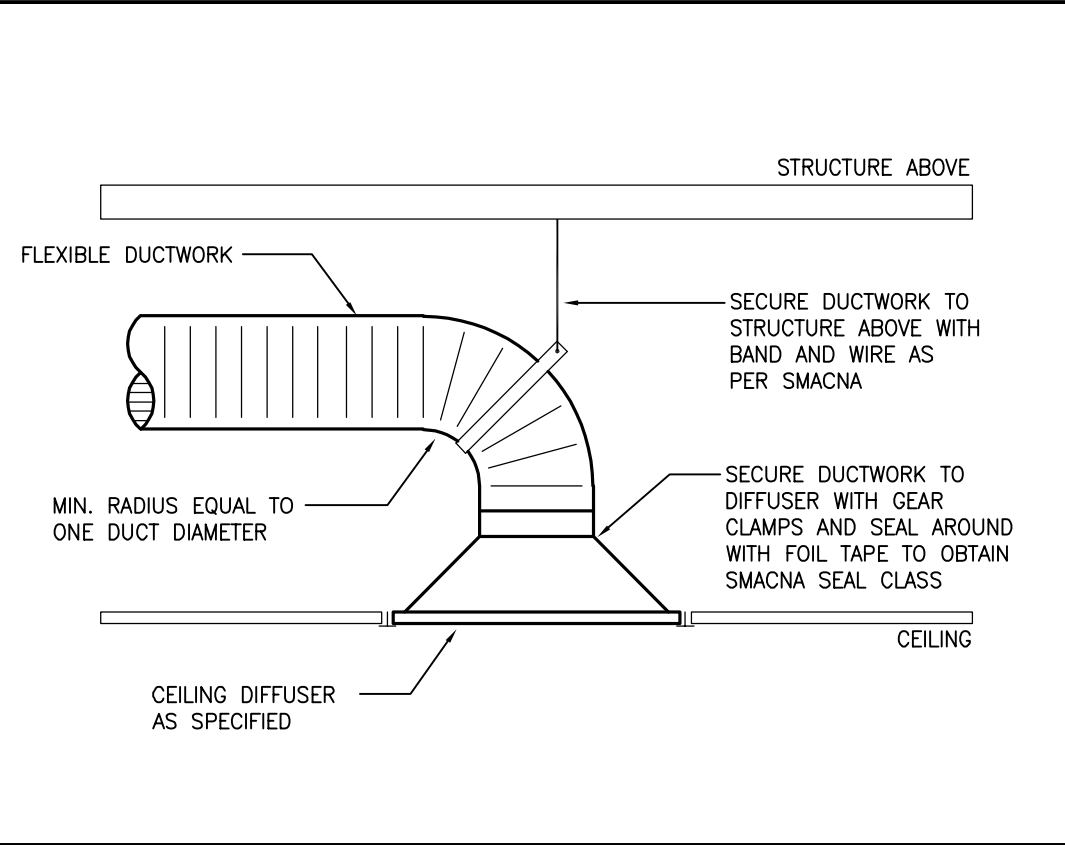




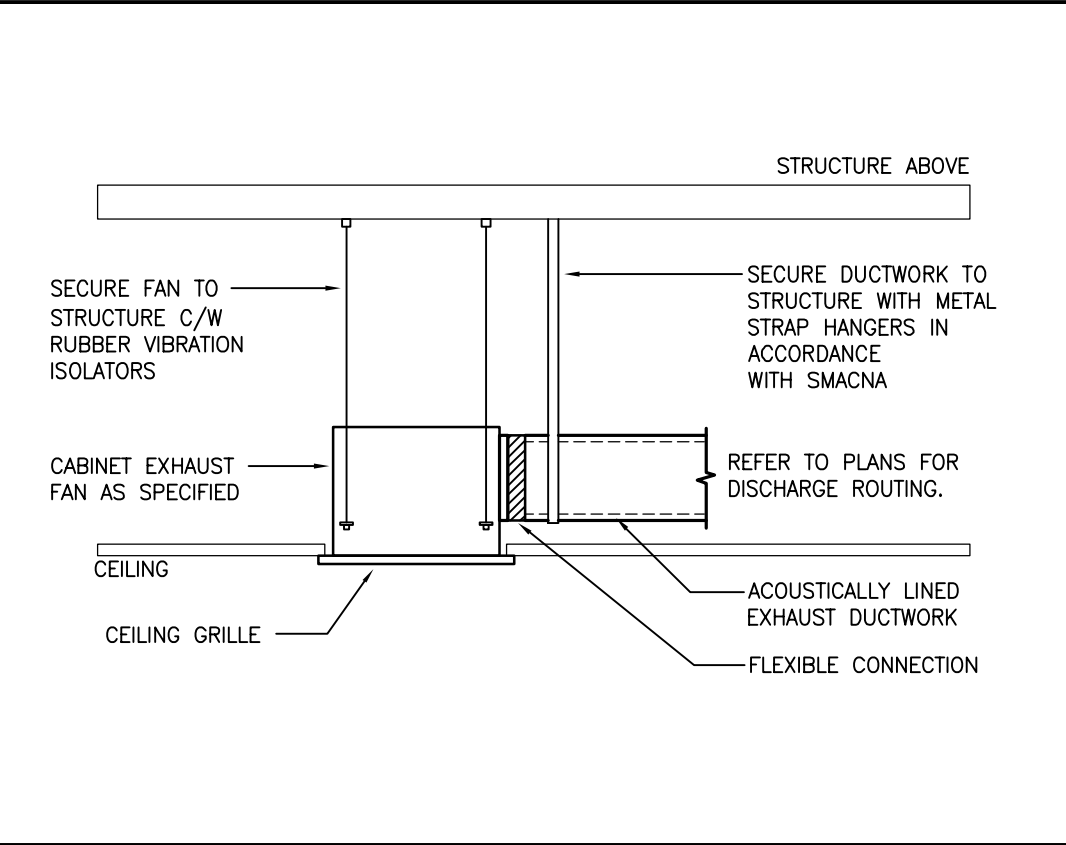
1 DUCTWORK FITTINGS DETAIL  
M-1.4 NTS



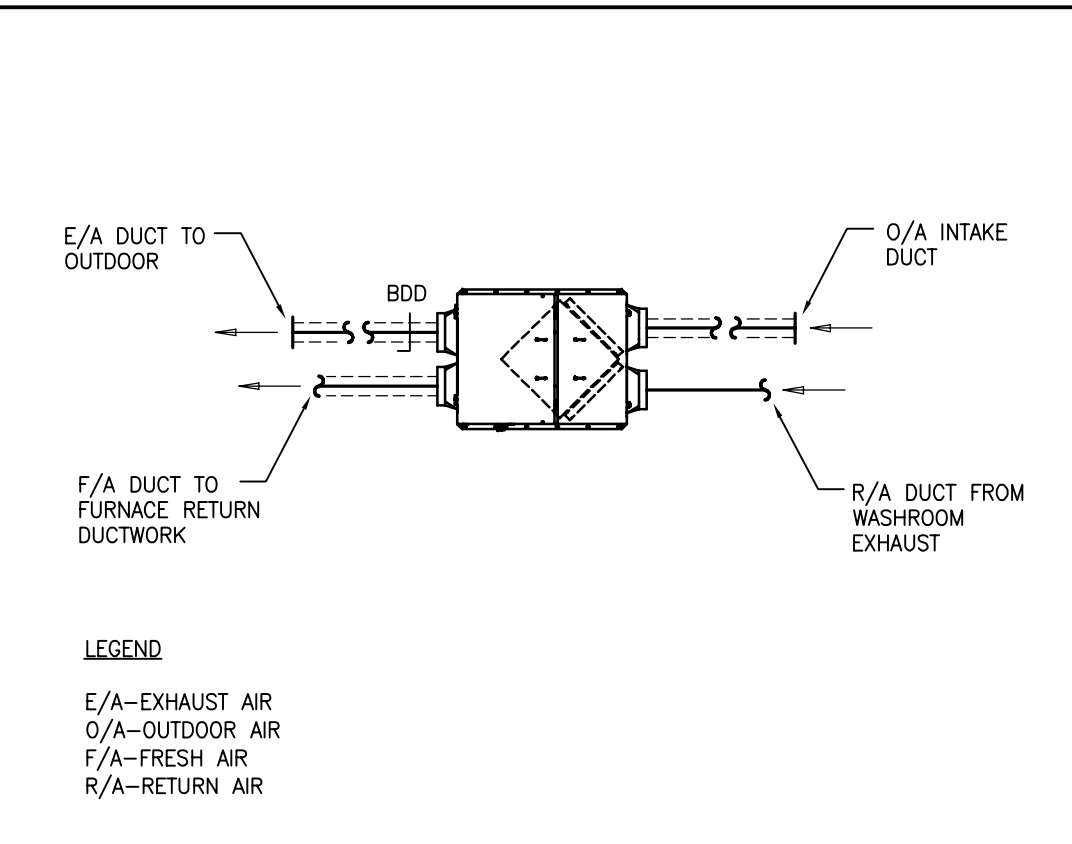
2 SPIN-IN DUCT COLLAR CONNECTION DETAIL  
M-1.4 NTS



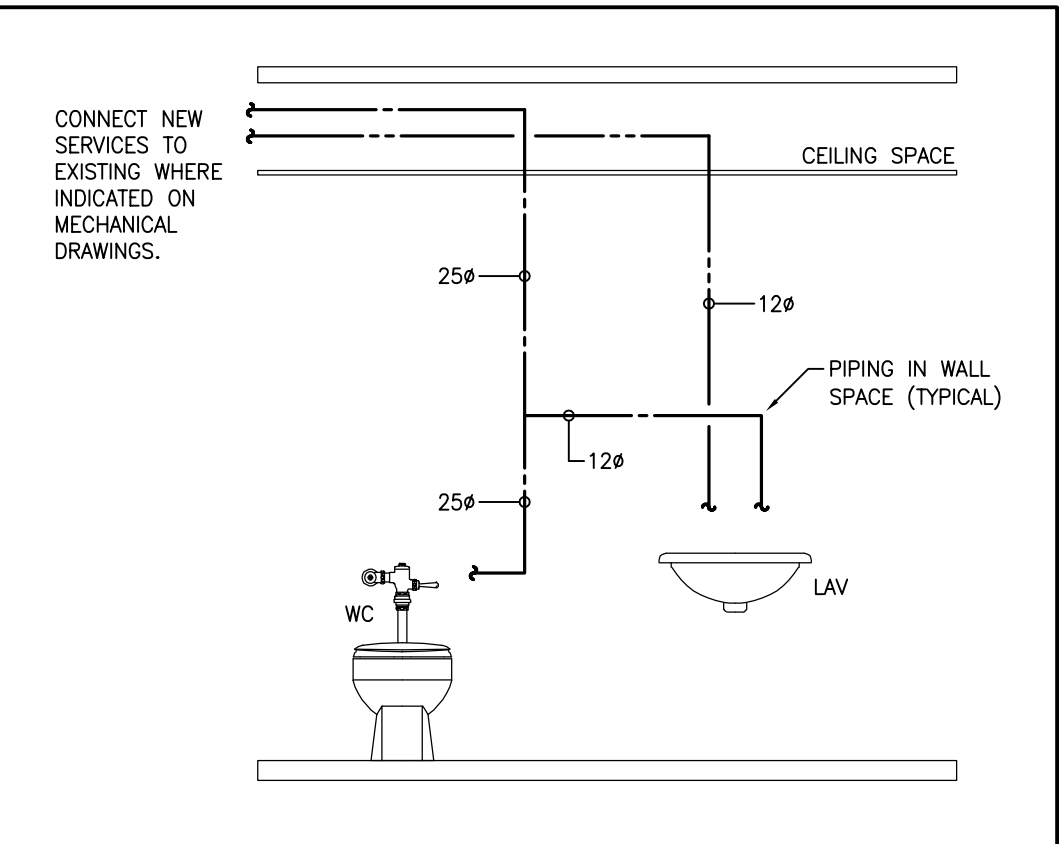
3 DIFFUSER SUPPORT DETAIL  
M-1.4 NTS



4 CABINET FAN DETAIL  
M-1.4 NTS



5 ENERGY RECOVERY VENTILATOR DETAIL  
M-1.4 NTS



6 WASHROOM PIPING DISTRIBUTION DETAIL  
M-1.4 NTS

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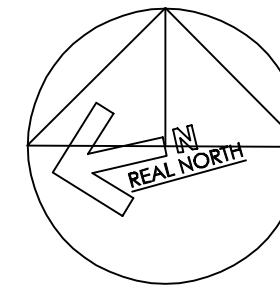
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drawing title

MECHANICAL DETAILS

date DEC2022	project no. 22-109
drawn by SW	cad file:
checked by RG	drawing no.
scale AS NOTED	M-1.4





- ## GENERAL HVAC NOTES
1. PERFORM DEMOLITION WORK SO AS TO CAUSE MINIMAL DISTURBANCE TO OWNER AND/OR ADJACENT AREAS. MINIMIZE DUST AND DEBRIS. PROVIDE TEMPORARY AIR FILTERS ON AIR HANDLING SYSTEMS AFFECT BY THE AREA OF WORK. ALL COSTS ASSOCIATED WITH DAMAGES AS A RESULT OF THE MECHANICAL DEMOLITION SHALL BE COVERED BY DW/23. MAINTAIN SAFE STAFFING AND PROVIDE ADEQUATE SIGNAGE FOR BOTH WORKERS AND OCCUPANTS.
  2. THE MECHANICAL DRAWINGS DISPLAY A GENERAL DESIGN AND INSTALLATION. THEREFORE, IF REQUIRED, THE CONTRACTOR SHALL OBTAIN CLARIFICATION FROM THE CONSULTANT PRIOR TO INSTALLATION.
  3. THESE DRAWINGS HAVE BEEN PREPARED FOR DW/23 AND DO NOT ACCURATELY DISPLAY ALL ELECTRICAL, STRUCTURAL AND ARCHITECTURAL ELEMENTS. REFER TO OTHER DIVISION'S DRAWINGS FOR CLARIFICATION.
  4. THIS CONTRACTOR SHALL VISIT THE SITE AND COMPLETELY INVESTIGATE AND UNDERSTAND THE EXISTING CONDITIONS AND THEIR RELATIONSHIP TO THE DESIGN DRAWINGS/CONDITIONS. NO CONSIDERATION WILL BE GIVEN TO THE CONTRACTOR FOR ANY HINDRANCES TO THE MECHANICAL INSTALLATION FROM SITE CONDITIONS WHICH EXISTED PRIOR TO TENDER SUBMISSION. AS SUCH ARE WHEN REQUIRED, THE CONTRACTOR SHALL PROVIDE INTERFERENCE DRAWINGS AND SHALL SUBMIT THEM TO THE CONSULTANT FOR REVIEW.



- ## GENERAL HVAC NOTES
1. THE MECHANICAL DRAWINGS DISPLAY A GENERAL DESIGN AND INSTALLATION, THEREFORE, IF REQUIRED, THE CONTRACTOR SHALL OBTAIN CLARIFICATION FROM THE CONSULTANT PRIOR TO INSTALLATION.
  2. THESE DRAWINGS HAVE BEEN PREPARED FOR DIV.2.3 AND DO NOT ACCURATELY DISPLAY ALL ELECTRICAL, STRUCTURAL AND ARCHITECTURAL ELEMENTS. REFER TO OTHER DIVISION'S DRAWINGS FOR CLARIFICATION.
  3. THIS CONTRACTOR SHALL VISIT THE SITE AND COMPLETELY INVESTIGATE AND UNDERSTAND THE EXISTING CONDITIONS AND THEIR IMPLICATIONS. THE DESIGN DRAWINGS/DOCUMENTS NO CONSIDERATION WILL BE GIVEN TO THE CONTRACTOR FOR ANY HINDRANCES TO THE MECHANICAL INSTALLATION FROM SITE CONDITIONS WHICH EXISTED PRIOR TO TENDER SUBMISSION. AS SUCH, THE CONTRACTOR SHALL REQUIRE THE CONTRACTOR SHALL PROVIDE INTERFERENCE DRAWINGS AND SHALL SUBMIT THEM TO THE CONSULTANT FOR REVIEW.
  4. THIS CONTRACTOR, AT THEIR EXPENSE, SHALL ENGAGE THE SERVICES OF THE BASE BUILDING CONTROLS CONTRACTOR FOR ALL CONTROLS WORK.

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project title

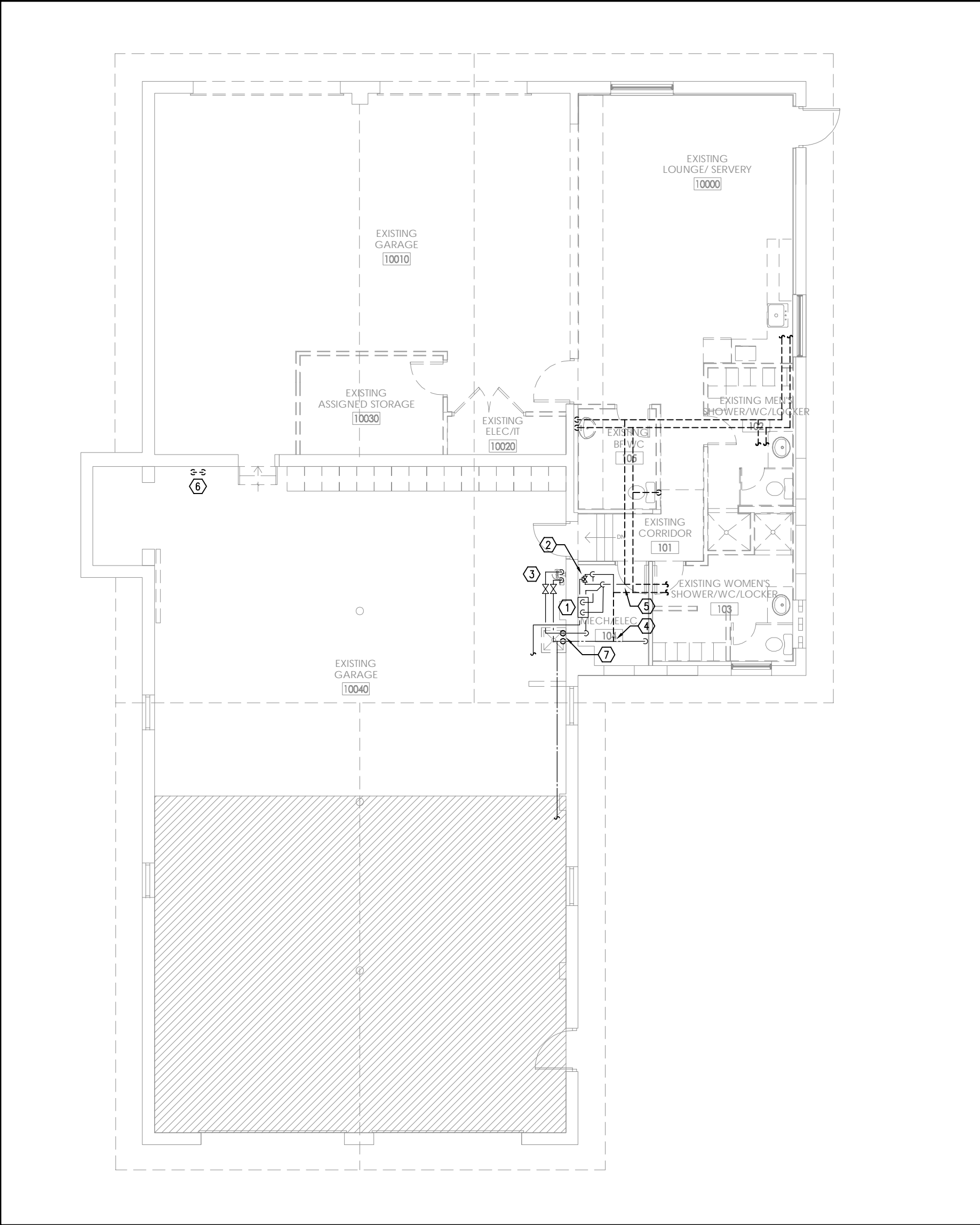
YORK REGION  
PARAMEDIC RESPONSE STATION  
12825 KEELE STREET  
KING CITY, ON. L7B 1H7

drawing title

## GROUND FLOOR PLAN - HVAC

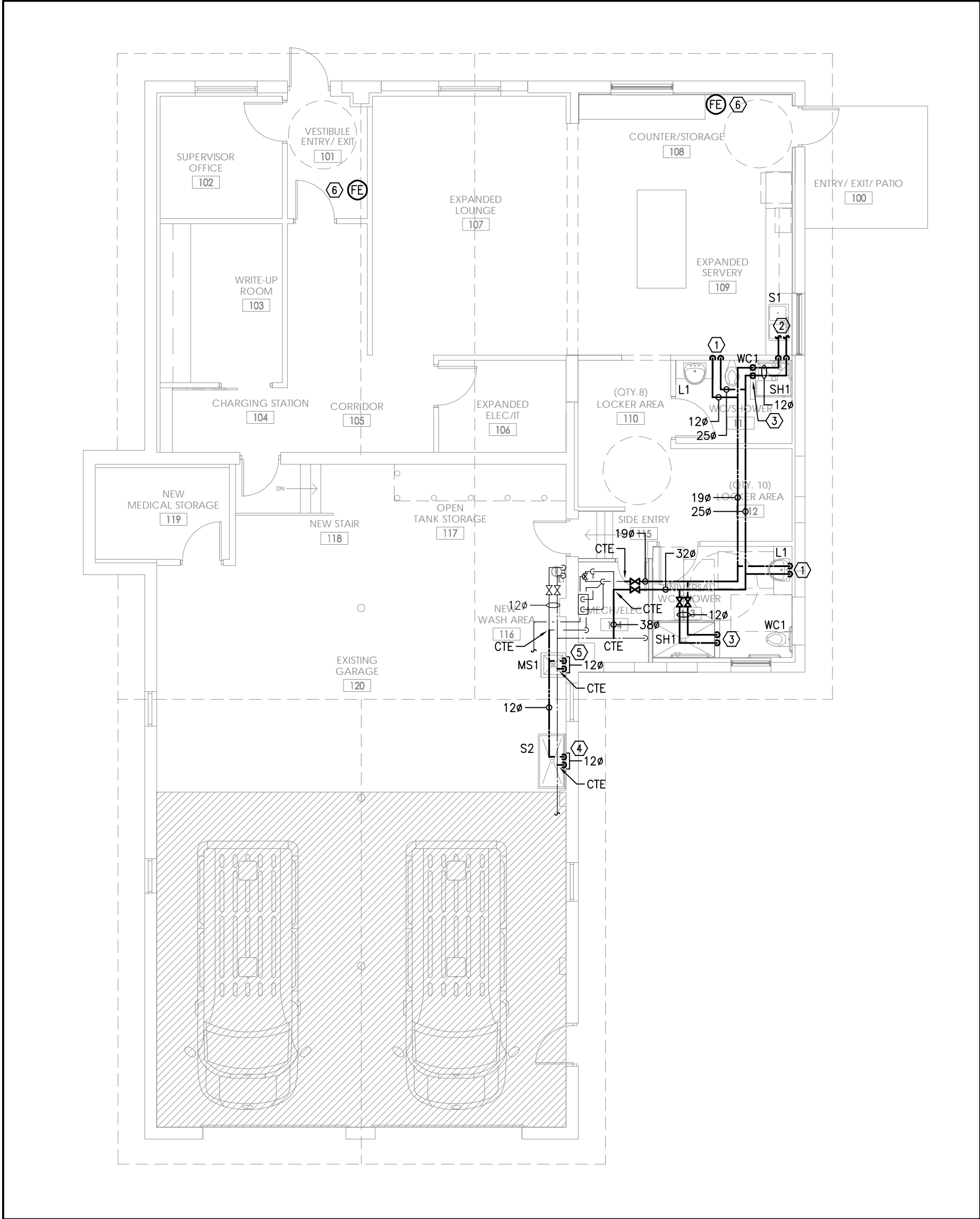
date DEC2022	project no. 22-109
drawn by SW	cad file:
checked by RG	drawing no.
scale AS NOTED	M-2.1





1  
M-3.1  
GROUND FLOOR DEMO PLAN - PLUMBING  
1:100

- PLUMBING DRAWING NOTES
1. EXISTING GAS-FIRED INSTANTANEOUS HOT WATER HEATER TO REMAIN.
  2. EXISTING MIXING VALVE AND TEMPERED WATER LINE TO REMAIN.
  3. EXISTING DCW/DHW PIPING AND ASSOCIATED ISOLATION VALVES AND THERMOSTATIC MIXING VALVE SERVING EYEWASH TO REMAIN.
  4. REMOVE EXISTING DCW PIPING TO THIS POINT. PREPARE EXISTING PIPING FOR CONNECTION TO NEW. REFER TO NEW CONSTRUCTION DRAWINGS.
  5. REMOVE EXISTING DHW PIPING TO THIS POINT. PREPARE EXISTING PIPING FOR CONNECTION TO NEW. REFER TO NEW CONSTRUCTION DRAWINGS.
  6. EXISTING DCW PIPING TO BE REMOVED AND CAPPED BELOW SLAB. MAKE GOOD FLOOR FINISH.
  7. EXISTING DCW/DHW PIPING SERVING MOP SINK TO BE REMOVED AND DISPOSED OF.







- (1) APPROXIMATE LOCATION OF EXISTING UNDERGROUND SANITARY DRAINAGE PIPING. CONTRACTOR TO VERIFY EXACT LOCATION OF EXISTING UNDERGROUND PIPING PRIOR TO START OF CONSTRUCTION. CONTRACTOR SHALL CARRY SERVICES FOR SCOPING OF EXISTING UNDERGROUND DRAINAGE PIPING (TYPICAL).
- (2) EXISTING FLOOR DRAIN TO REMAIN (TYPICAL).
- (3) EXISTING SINK TO BE REMOVED AND DISPOSED OF. REMOVE SANITARY DRAINAGE PIPING IN WALL BACK TO WHERE IT ENTERS FLOOR. PREPARE EXISTING FLOOR CONNECTION TO NEW. REFER TO NEW CONSTRUCTION DRAWINGS.
- (4) EXISTING LAVATORY TO BE REMOVED AND DISPOSED OF. CAP SANITARY DRAINAGE PIPING IN WALL SPACE (TYPICAL).
- (5) EXISTING WATER CLOSET TO BE REMOVED AND DISPOSED OF. CAP SANITARY DRAINAGE PIPING UNDERGROUND AND MAKE GOOD FLOOR FINISH (TYPICAL).
- (6) EXISTING FLOOR DRAIN TO BE REMOVED AND DISPOSED OF. CAP SANITARY DRAINAGE PIPING UNDERGROUND AND MAKE GOOD FLOOR FINISH (TYPICAL).
- (7) EXISTING EYEWASH STATION TO REMAIN. ASSOCIATED DRAINAGE PIPING TO BE COMPLETELY REMOVED AND DISPOSED OF.
- (8) EXISTING MOP SINK TO BE REMOVED AND DISPOSED OF. REMOVE UNDERGROUND SANITARY DRAINAGE PIPING BACK TO WHERE SHOWN. PREPARE EXISTING FLOOR CONNECTION TO NEW. REFER TO NEW CONSTRUCTION DRAWINGS.
- (9) EXISTING SHOWER, DRAIN TO BE REMOVED AND DISPOSED OF. CAP SANITARY DRAINAGE PIPING UNDERGROUND AND MAKE GOOD FLOOR FINISH (TYPICAL).
- (10) APPROXIMATE LOCATION OF EXISTING UNDERGROUND SANITARY DRAINAGE PIPING. CONTRACTOR TO VERIFY EXACT LOCATION OF EXISTING UNDERGROUND PIPING PRIOR TO START OF CONSTRUCTION. CONTRACTOR SHALL CARRY SERVICES FOR SCOPING OF EXISTING UNDERGROUND DRAINAGE PIPING.

1. EXISTING BURIED SANITARY AND STORM DRAINAGE PIPING AS SHOWN IS ASSUMED. IT IS THIS CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATION AND SIZE OF EXISTING DRAINAGE PIPING PRIOR TO CONSTRUCTION. REPORT DISCREPANCIES TO ENGINEER.



- ① PROVIDE NEW UNDERGROUND SANITARY DRAINAGE PIPING. CONNECT TO EXISTING WHERE SHOWN (TYPICAL).
- ② CONNECT TO EXISTING SANITARY DRAINAGE PIPING IN WALL SPACE WHERE SHOWN.
- ③ TERMINATE DRAIN FROM EYEWASH STATION INDIRECTLY AT NEW MOP SINK.
- ④ CONNECT TO EXISTING UNDERGROUND SANITARY DRAINAGE PIPING WHERE SHOWN.
- ⑤ TERMINATE FU-1 CONDENSATE DRAINAGE AND FLUE VENT DRAINAGE PIPING AT EXISTING FFD.
- ⑥ CONNECT NEW 3/4" SANITARY DRAINAGE PIPING TO EXISTING EYE WASH STATION.

1. PROVIDE VENTING SYSTEMS IN ACCORDANCE WITH PART 7 OF THE ONTARIO BUILDING CODE.
2. PROVIDE ADEQUATE ACCESS FOR ALL EQUIPMENT, VALVES, ETC. LOCATED BEHIND WALLS AND CEILINGS. REFER TO SPECIFICATIONS.
3. EXISTING SANITARY DRAINAGE PIPING AS SHOWN IS ASSUMED. IT IS THIS CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATION AND SIZE OF EXISTING SANITARY DRAINAGE PIPING PRIOR TO CONSTRUCTION.


no.	date	by	description
REVISIONS			

04	10NOV23	SW	ISSUED FOR TENDER
03	13MAR23	SW	ISSUED FOR PERMIT & TENDER
02	21FEB23	RG	ISSUED FOR 100% REVIEW
01	31JAN23	SW	ISSUED FOR 75% REVIEW
no.	date	by	description

CLIENT



date	project no.
DEC2022	22-109
drawn by	cad file:
SW	
checked by	drawing no.
RG	M-4.1
scale	
AS NOTED	



1. EXAMINE THE EXISTING SITE CONDITION TOGETHER WITH THE PROPOSED WORK AND THE WORK OF ALL OTHER TRADES TO DETERMINE THE COMPLETE EXTENT OF RENOVATIONS TO THE EXISTING BUILDING, INCLUDING IN THE TENDER PRICE FOR THE TOTAL SCOPE OF WORK INCLUDING BUT NOT LIMITED TO CUTTING, PATCHING, REMOVING, REROUTING OF ALL EXISTING ELECTRICAL EQUIPMENT AND WIRING TO SUCCESSFULLY EXECUTE ALL WORK DESCRIBED.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE ONTARIO ONTARIO ELECTRICAL SAFETY CODE, AND THE APPLICABLE CODES AND STANDARDS OF THE CANADIAN STANDARDS ASSOCIATION (CSA), I.L.C., NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), AND ALL OTHER APPLICABLE CODES AS REQUIRED.
3. OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND INSPECTIONS, ALL REQUIRED PERMITS SHALL BE SUBMITTED TO THE LANDLORD PRIOR TO COMMENCING THE WORK.
4. ALL WORK SHALL BE INSTALLED IN CO-ORDINATED MANNER WITH ALL OTHER TRADES.
5. DRAWINGS SHALL NOT BE SCALED FOR MEASUREMENTS.
6. ALL INTERRUPTIONS OF SERVICES TO ANY PART OF THE BUILDING SHALL BE EXECUTED ONLY WITH PRIOR APPROVAL AND ARRANGEMENTS WITH THE BUILDING OWNER OR CONSULTANT WHO MUST BE ADVISED BY WRITTEN NOTIFICATION AT A MINIMUM OF 3 BUSINESS DAYS, INCLUDE FOR ALL PREMIUM TIME REQUIRED FOR INTERRUPTIONS OF SERVICES AND REQUIRED TIE-INS TO EXISTING SERVICES.
7. PROVIDE ALL MATERIALS, EQUIPMENT AND LABOUR NECESSARY TO PERFORM THE COMPLETE WORK AS INDICATED.
8. DAMAGE TO ANY SYSTEM OCCURRING DURING EXECUTION OF THE WORK SHALL BE RECTIFIED AT THE CONTRACTOR'S EXPENSE.
9. ALL NEW EQUIPMENT SHALL BE IDENTIFIED WITH LAMACOID PLATES, BLACK BACKGROUND WITH WHITE LETTERING, WORKING ON ALL LAMACOID PLATES SHALL BE APPROVED BY THE CONSULTANT 48 HOURS PRIOR TO STARTING WORK.
10. PROVIDE A FULLY ITEMIZED BREAKDOWN OF ALL MATERIALS, EQUIPMENT AND LABOUR FOR SUBMISSIONS OF ALL CHANGES TO THE CONTRACT.
11. PRIOR TO INSTALLATION OF ANY DEVICES, THE CONSULTANT SHALL HAVE THE RIGHT TO CHANGE LOCATIONS OF OUTLETS WITH-IN 3 METERS (10 FEET) WITHOUT ANY EXTRA COSTS TO THE OWNER.
12. SUBMIT SHOP DRAWINGS, FOR ALL MAJOR EQUIPMENT, SHOP DRAWINGS SHALL BE REVIEWED AND APPROVED PRIOR TO INSTALLATION.
13. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CONSTRUCTION SPECIFICATION APPROVED BY THE CONSULTANT.
14. LOCATIONS OF ALL FLOOR PENETRATIONS, INCLUDING CORE DRILLING AND SAW CUTTING SHALL BE APPROVED ON SITE BY THE CONSULTANT AND OWNER. OBTAIN ALL NECESSARY APPROVALS PRIOR TO BATT-SCAN AND DRILLING. SUBMIT BATT-SCAN RESULTS FOR OWNERS APPROVAL AND OBTAIN 48 HOURS SUBMISSION TO COMMENCE CORE DRILLING, INCLUDE FOR ALL COSTS.
15. PROVIDE THE OWNER WITH A WRITTEN WARRANTY OF 24 MONTHS COMMENCING ON THE DATE OF TOTAL PERFORMANCE OF THE CONTRACT FOR ALL LABOUR, MATERIALS AND EQUIPMENT SUPPLIED IN THIS CONTRACT.
16. ALL POWER WIRING AND SUPPLY OF STARTERS FOR MECHANICAL EQUIPMENT SHALL BE PROVIDED BY CONTRACTOR. ALL CONTROL WIRING AND CONTROL DEVICES SHALL BE PROVIDED BY CONTRACTOR. CONTRACTOR SHALL CONFIRM AND CO-ORDINATE ALL POWER CHARACTERISTICS WITH ITS TRADES PRIOR TO SUBMITTING SHOP DRAWINGS TO CONSULTANT FOR REVIEW AND ORDERING ANY EQUIPMENT.
17. PROVIDE ALL ACCESS DOORS WHERE REQUIRED TO SERVICE ALL NEW AND EXISTING EQUIPMENT. ACCESS PANELS SHALL BE EQUAL TO LEHAGE AND SHALL BE COMPATIBLE WITH CEILING/WALL TYPE AND FINISH. ACCESS DOORS SHALL BE RECESSED TYPE WITH A DRYWALL INFL. ELECTRICAL SERVICES ARE TO BE CO-ORDINATED TO MINIMIZE THE NUMBER OF ACCESS LOCATIONS. CO-ORDINATE LOCATION AND SIZES WITH THE CONSULTANT. SUBMIT SHOP DRAWING(S) TO THE CONSULTANT FOR REVIEW INDICATING SIZE AND LOCATION OF ALL ACCESS LOCATIONS PRIOR TO PROCEEDING WITH THE INSTALLATION.
18. ALL LUMINAIRES SHALL BE CLEANED AT THE COMPLETION OF THE PROJECT.
19. OBTAIN FOR A CAD DISK DRAWING FILE AND ONE SET OF WHITE PRINTS, MARK WHITE PRINTS TO CLEARLY IDENTIFY THE INSTALLED WORK. AFTER THE WHITE PRINTS HAVE BEEN REVIEWED BY THE CONSULTANT, TRANSFER ALL INFORMATION, COMMENTS AND REVISIONS ONTO THE AS-BUILT CAD FILES. SUBMIT THE COMPLETED RECORD DRAWINGS AND THE CAD FILES TO THE CONSULTANT, WITH ONE SET OF PRINTS TO THE OWNER.
20. UPON COMPLETION OF THE WORK, PROVIDE A COPY OF THE LOCAL HYDRO CERTIFICATE, AND FIRE ALARM VERIFICATION, SUBMIT RECORDS TO THE CONSULTANT AND THE OWNER.
21. PROVIDE TYPE WRITTEN PANEL BOARD DIRECTORIES FOR ALL NEW PANELS AND ALL EXISTING PANELS AFFECTED BY THIS RENOVATION.
22. ALL EQUIPMENT AND MATERIALS SHALL BE NEW, UN-USED AND C.S.A. APPROVED.
23. ALL WIRING SHALL BE INSTALLED IN CONDUIT, ARMoured "BX" CABLE MAY BE USED TO A MAXIMUM OF 3 METERS ( 10 FEET ) FOR FLEXIBLE LIGHTING, SWITCHED LEGS, EMERGENCY REMOTE HEADS AND EXIT SIGNS.
24. ALL WIRING SHALL BE COPPER, MINIMUM # 12 AMERICAN WIRE GAUGE (AWG) RW90.
25. MINIMUM SIZE OF CONDUIT SHALL BE 3/4" ELECTRIC METALIC TUBE (EMT) UNLESS OTHERWISE NOTED. INSTALLATION OF CONDUITS SHALL BE PARALLEL TO BUILDING STRUCTURE. RUN CONDUITS CONCEALED IN ALL FINISHED AREAS.
26. PROVIDE COPPER GROUND WIRE IN ALL CONDUIT FOR BRANCH AND FEEDER CIRCUITS.
27. PROVIDE NYLON PULL STRINGS IN ALL EMPTY CONDUIT.
28. PROVIDE FLEXIBLE METAL CONDUIT FOR ALL CONNECTIONS TO MOTORS, TRANSFORMERS AND GENERATORS.
29. INDEPENDENTLY SUPPORT FROM BUILDING STRUCTURE WITH APPROVED CHAINS ALL NEW SURFACE AND RECESSED LUMINAIRES.
30. PROVIDE A SEPARATE NEUTRAL CONDUCTOR FOR EACH CIRCUIT DO NOT SHARE NEUTRALS.
31. ALL PENETRATIONS THROUGH FLOORS AND FIRE RATED WALLS SHALL BE PACKED AND SEALED WITH APPROVED FIRE MATERIAL AND SILICON SEALANT AS APPROVED BY THE CONSULTANT.
32. WHERE A MANUFACTURER IS NOT SPECIFIED, THE PRODUCTS SHALL BE OF SAME MANUFACTURER AS BASE BUILDING OR EQUIVALENT.
33. PROVIDE DIMMERS AS INDICATED, DIMMERS SHALL SUIT THE TYPE AND SIZE OF LOAD. PROVIDE DE-BUZZING COILS FOR ALL NEW DIMMERS.
34. DIMMERS SHALL BE " LUTRON NOVA T " SERIES OR EQUIVALENT UNLESS OTHERWISE NOTED.
35. ALL DEVICES AND COVER PLATES SHALL BE PASS & SEIMOUR MODULAR DECORA TYPE OR EQUIVALENT, SPECIFICATION GRADE COLOUR TO INTERIOR CONSULTANTS SELECTION. SUBMIT COLOUR SAMPLES.
36. ALL SURFACE FLOOR OUTLETS SHALL BE CANADIAN ELECTRICAL RACEWAYS INC. SERIES 4000 OR WELLMARK EQUAL, OR EQUIVALENT. COLOUR SHALL BE BLACK.
37. WHERE SWITCHES, DIMMERS, AND RECEPTACLES ARE SHOWN SIDE BY SIDE, PROVIDE GANGED COVER PLATES. GANGED DIMMERS SHALL BE DE-RATED AND INSTALLED AS PER MANUFACTURERS INSTRUCTIONS.
38. ALL CIRCUIT SHALL BE HIGH PURPOSING CAPACITY (HRC) TYPE 'J' WITH TIME DELAY.
39. GROUNDING SHOWN FOR GROUPING PURPOSES ONLY. VERIFY EXACT CIRCUITS AVAILABLE AND PROVIDE NEW CIRCUITS AND BREAKERS AS REQUIRED. BALANCE LOADS WITH-IN 10% ACROSS PHASES, SUBMIT TEST REPORT FOR REVIEW BY THE CONSULTANT.
40. CO-ORDINATE ALL EQUIPMENT SUPPLIED BY OTHER TRADES TO ENSURE VOLTAGE AND AMPERAGE COMPATIBILITY WITH DESIGN DOCUMENTS PRIOR TO EQUIPMENT BEING ORDERED.
41. PROVIDE TEMPORARY ELECTRICAL POWER AND LIGHTING. CO-ORDINATE REQUIREMENTS FOR PHASING OF WORK.
42. PROVIDE 4" HIGH CONCRETE HOUSE KEEPING PADS FOR ALL FLOOR MOUNTED ELECTRICAL DISTRIBUTION EQUIPMENT.

(E-1) SCALE: N.T.S.

GENERAL NOTES:

1. ALL RECEPTACLES AND COVERPLATES SHALL BE MODULAR DECORA TYPE. COMMERCIAL GRADE.
2. OUTLETS SHALL NOT BE INSTALLED BACK TO BACK IN PARTITIONS. STAGGER TO PREVENT SOUND TRANSFER.
3. COMPLETE EXTENT OF DEMOLITION IS NOT SHOWN. TENDERERS SHALL REVIEW THE SITE TOGETHER WITH THE DOCUMENTS OF ALL OTHER TRADES TO DETERMINE THE COMPLETE EXTENT OF DEMOLITION, MAKE ALLOWANCES FOR ANY NEW OR EXISTING SERVICES, DEVICES, OR EQUIPMENT RELOCATIONS NECESSARY TO COMPLETE THE WORK. ALLOW FOR ALL COSTS.

E-1 SCALE: N.T.S.

(E-1) SCALE: N.T.S



072

[illegible]

no.	date	by	description
REVISIONS			

## REVISIONS


04	10NOV2023	TM	ISSUED FOR TENDER
03	13MAR2023	TM	ISSUED FOR PERMIT & TENDER
02	22FEB2023	TM	ISSUED FOR 100% REVIEW
01	31JAN2023	TM	ISSUED FOR 75% REVIEW

no.	date	by	description
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ISSUED

CLIENT



drawing title

ELECTRICAL SPEC, LEGEND,  
DRAWING LIST, AND  
DETAILS

date DEC2022	project no. 22072
drawn by STAFF	cad file: 22072E-1
checked by TM	drawing no. E-1
scale N.T.S	



**LINETYPE LEGEND:**  
 \_\_\_\_\_ 15A LINETYPE DENOTES: EXISTING  
 \_\_\_\_\_ 15A LINETYPE DENOTES: NEW BY ELECTRICAL CONTRACTOR

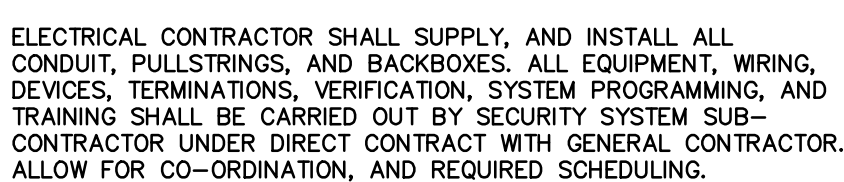
(c)

**LINE TYPE LEGEND:**  
 \_\_\_\_\_ 15A LINE TYPE DENOTES: EXISTING  
 \_\_\_\_\_ 15A LINE TYPE DENOTES: NEW BY ELECTRICAL CONTRACTOR

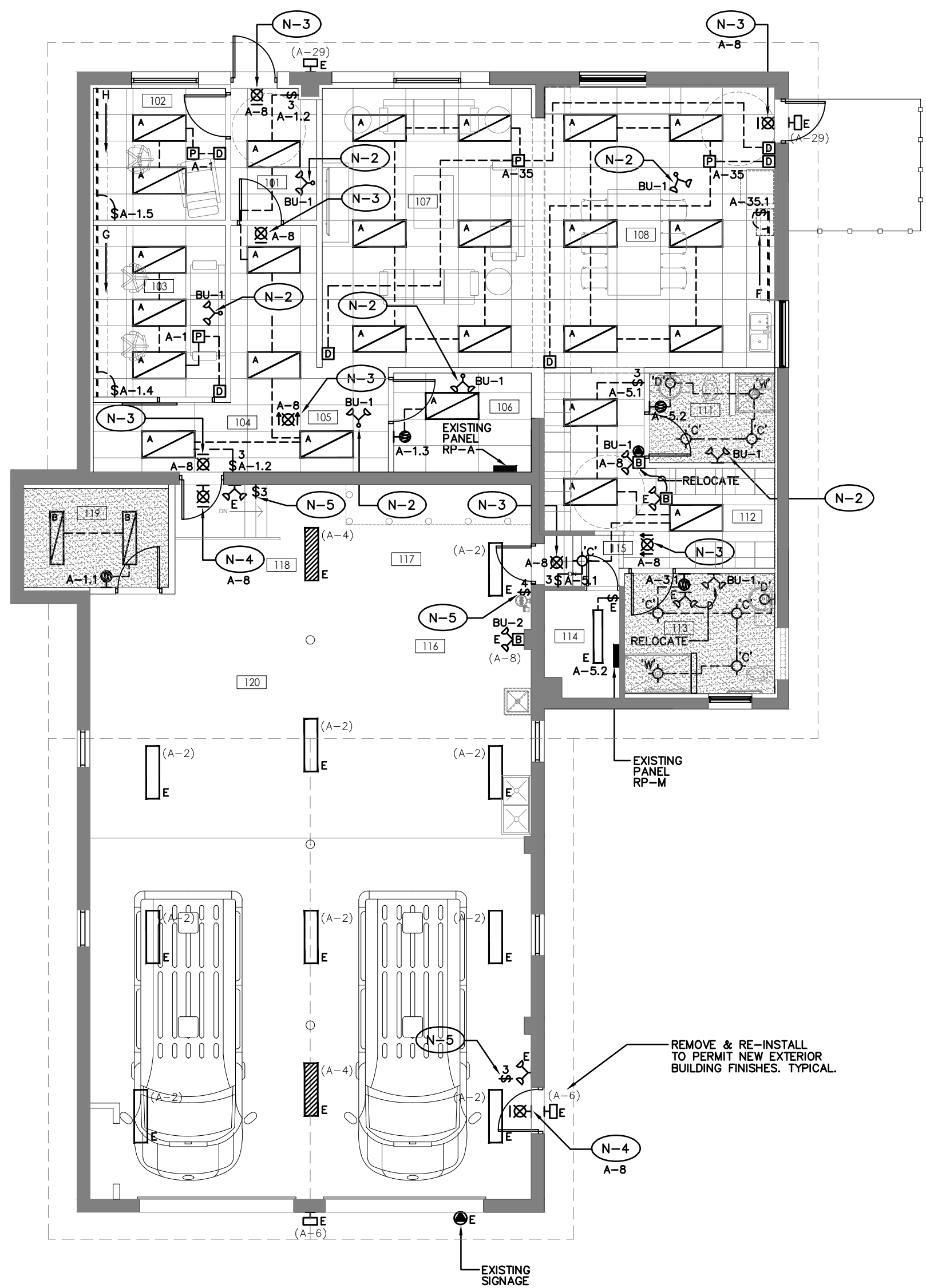
(c)  $\frac{1}{2} \leq \alpha \leq 1$

7 LUMINAIRE SCHEDULE  
E-2 SCALE: N.T.S.

072



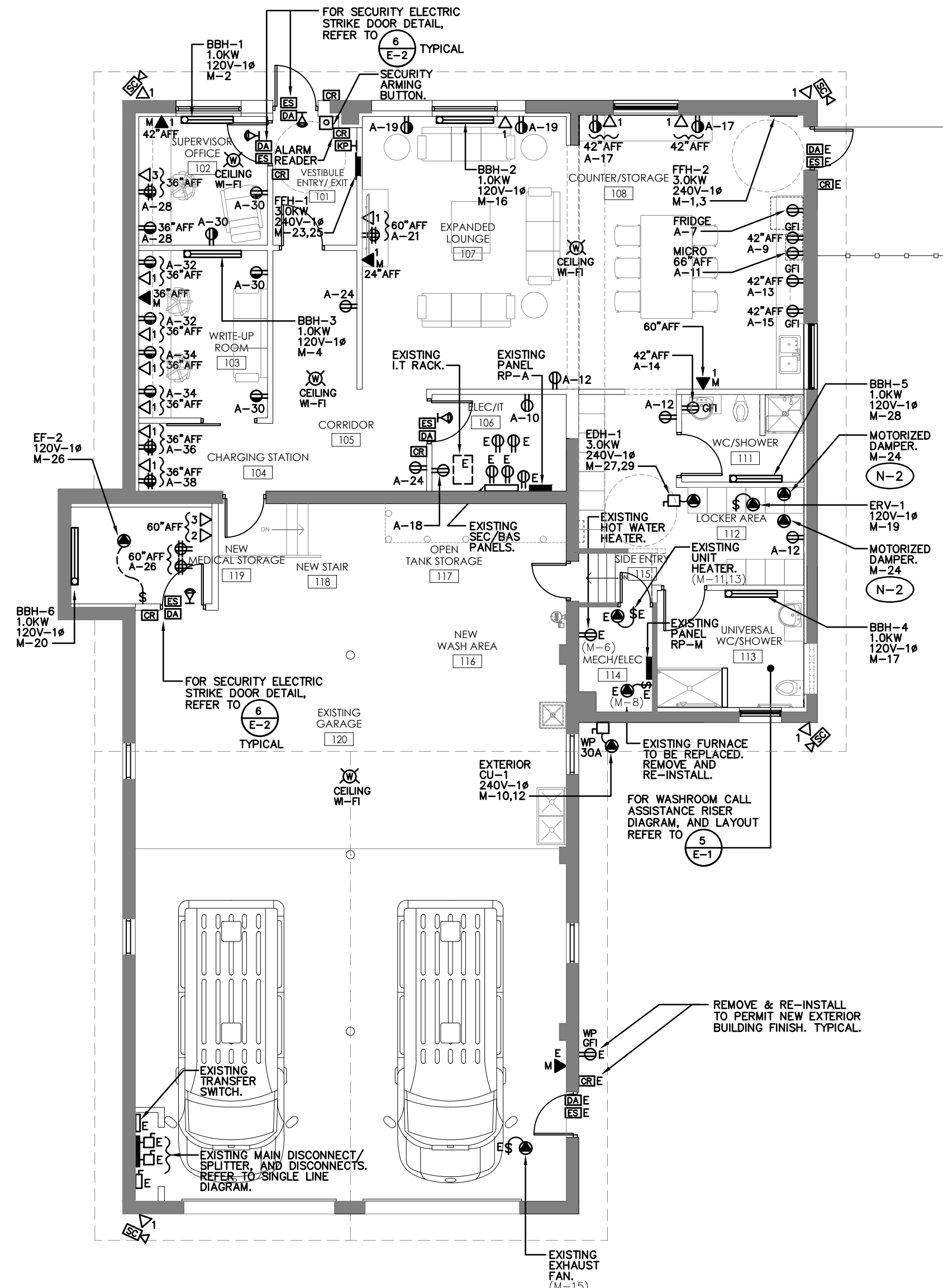




NOTES:

- N-1 ELECTRICAL CONTRACTOR SHALL ALLOW FOR CHAIN SUPPORTS OF ALL NEW LUMINAIRES THROUGH-OUT THIS RENOVATION. SUSPEND/SUPPORT FROM BUILDING STRUCTURE UTILIZING TENDO CHAIN.
- N-2 DOUBLE HEAD EMERGENCY REMOTE UNIT. PROVIDE LUMACELL #MQM-2-LD10-WHITE. CONNECT TO COMBINATION EXIT LIGHT/EMERGENCY LIGHTING UNIT.
- N-3 RECESSED EDGE-LIT EXIT LIGHT (RUNNING-MAN/PICTOGRAM) C/W DIRECTIONS, AND FACES AS NOTED. SELF POWERED. PROVIDE LUMACELL #LDE-1/A-A-F-AC.
- N-4 SURFACE EXIT LIGHT (RUNNING-MAN/PICTOGRAM) C/W DIRECTIONS, AND FACES AS NOTED. SELF POWERED. PROVIDE LUMACELL #LS-1-W-S-4.
- N-5 NEW 3-WAY, AND 4-WAY LIGHTING SWITCH TO CONTROL ALL (NORMAL) LIGHTING IN WEST GARAGE. RE-WORK EXISTING WIRING AS REQUIRED TO ACHIEVE CONTROL AS INDICATED.

1 LIGHTING PLAN ELECTRICAL  
E-3 SCALE: 1:100



NOTES:

- N-1 FOR EXACT LOCATIONS, AND MOUNTING HEIGHTS, REFER TO INTERIOR/ARCHITECTURAL CONSULTANTS DRAWINGS, DETAILS, AND SPECIFICATIONS.
- N-2 MOTORIZED DAMPERS SHALL BE INTERLOCKED WITH ERV-1 OPERATION. CO-ORDINATE EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR, AND CONTROLS CONTRACTOR. PROVIDE ALL REQUIRED WIRING, AND TERMINATIONS.

2 POWER & SYSTEMS PLAN ELECTRICAL  
E-3 SCALE: 1:100

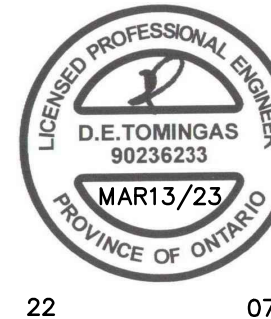
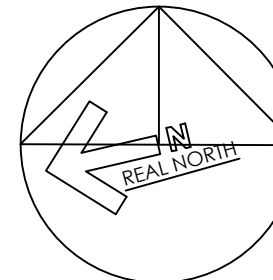
DYNAMIC DESIGNS AND ENGINEERING INC.

111 Hodgson Ave. Kettleby, Ontario L7B 0C7  
Tel. (905) 841-7278  
dyneng@rogers.com

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- DO NOT SCALE DRAWINGS.

CONSTRUCTION NORTH



22

072

no.	date	by	description
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REVISIONS

no.	date	by	description
04	10NOV2023	TM	ISSUED FOR TENDER
03	13MAR2023	TM	ISSUED FOR PERMIT & TENDER
02	22FEB2023	TM	ISSUED FOR 100% REVIEW
01	31JAN2023	TM	ISSUED FOR 75% REVIEW

ISSUED

CLIENT

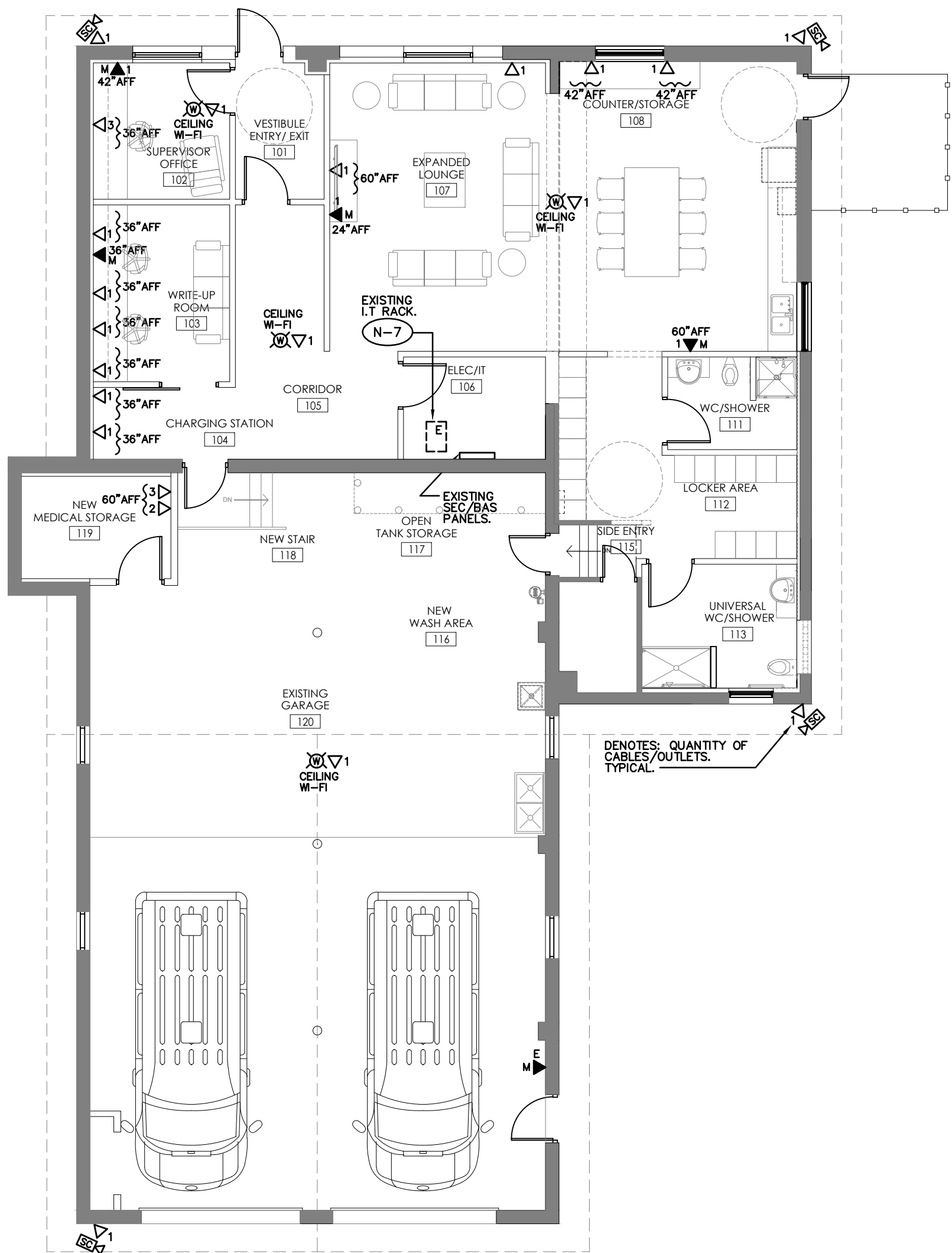


YORK REGION  
PARAMEDIC RESPONSE STATION  
12825 KEELE STREET  
KING CITY, ON. L7B 1H7

LIGHTING, AND POWER & SYSTEMS  
PLANS ELECTRICAL

date DEC2022	project no. 22072
drawn by STAFF	cod file: 22072E-3
checked by TM	drawing no.
scale 1:100	E-3

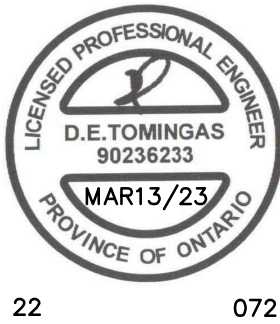
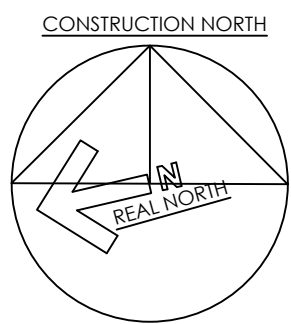




- NOTES:
- N-1 FOR EXACT LOCATIONS, AND MOUNTING HEIGHTS, REFER TO INTERIOR CONSULTANTS/ ARCHITECTURAL DRAWINGS, DETAILS, AND SPECIFICATIONS.
  - N-2 ALL COMMS WIRING (CAT-6A 4-PAIR) FT6 PLENUM RATED (DATA) C/W OUTLETS SHALL BE SUPPLIED AND INSTALLED BY COMMUNICATIONS SUB-CONTRACTOR UNDER DIRECT CONTRACT WITH GENERAL CONTRACTOR.
  - N-3 ALL COMMS. WIRING (DATA) C/W OUTLETS AS NOTED SHALL BE SUPPLIED AND INSTALLED BY COMMUNICATIONS SUB-CONTRACTOR. REFER TO DETAIL #4 ON DRAWING #E-2, AND LABELING.
  - N-4 DATA WIRING SHALL BE CAT 6A, 4-PAIR FT-6 PLENUM RATED CABLE. QUANTITY AS INDICATED ON PLAN. BLUE OUTER JACKET. SUPPLIED AND INSTALLED BY COMMUNICATIONS SUB-CONTRACTOR.
  - N-5 ALL COMMS CABLEING (DATA) WITH-IN CEILING SPACE SHALL BE SUPPORTED WITH "J" HOOKS @ 4'-0" ON CENTRES. SUPPORT "J" HOOKS FROM EXISTING STRUCTURE.
  - N-6 COMMUNICATIONS CONTRACTOR SHALL PROVIDE CABLEING (DATA) CERTIFICATION AND VERIFICATION. REPORT AND CERTIFICATES SHALL BE SUBMITTED FOR REVIEW/RECORDS.
  - N-7 ALL WIRING SHALL TERMINATE ON DATA RACK PATCH PANELS. SUPPLIED BY CLIENT AS PART OF DATA RACK.
  - N-8 ALL COMMUNICATIONS WIRING, DEVICES, TERMINATIONS, AND CERTIFICATION SHALL BE BY COMMUNICATIONS SUB-CONTRACTOR UNDER DIRECT CONTRACT WITH GENERAL CONTRACTOR.

DYNAMIC DESIGNS AND ENGINEERING INC.  
♦♦♦  
111 Hodgson Ave. Kettleby, Ontario L7B 0C7  
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22 072

no. date by description

REVISIONS

no.	date	by	description
04	10NOV2023	TM	ISSUED FOR TENDER
03	13MAR2023	TM	ISSUED FOR PERMIT & TENDER
02	22FEB2023	TM	ISSUED FOR 100% REVIEW
01	31JAN2023	TM	ISSUED FOR 75% REVIEW

no. date by description

ISSUED

CLIENT



project title  
**YORK REGION  
PARAMEDIC RESPONSE STATION  
12825 KEELE STREET  
KING CITY, ON. L7B 1H7**

drawing title  
**COMMUNICATIONS PLAN  
ELECTRICAL**

date DEC2022	project no. 22072
drawn by STAFF	cod file: 22072E-4
checked by TM	drawing no.
scale 1:100	E-4









**SANITARY LATERAL  
CONDITION ASSESSMENT REPORT**

**FOR**

**THE REGIONAL MUNICIPALITY OF YORK  
PARAMEDIC RESPONSE STATION  
12825 KEELE ST, KING CITY ON**

**Q-22034-TJ01**

For:

Squared-In Inc.  
3 Auckland Lane  
King City  
L7B 1C1

March 2023  
Project: 22113

**B5-8841 George Bolton Parkway  
Bolton ON L7E 2X8  
[www.pinpointengineering.ca](http://www.pinpointengineering.ca)**



## **Statement of Conditions**

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DRAFT



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# 1. Introduction and Background

Pinpoint Engineering (Pinpoint) was retained by the Squared-In Design to complete a condition assessment report for the existing sanitary lateral line on the private side of King City Paramedic Response Station at 12825 Keele St, King City ON.

## 1.1. Purpose

York Region is planning interior fit-out upgrades to the current PRS. Part of this upgrade include work on the sanitary lateral, due to staff reports of poor drainage performance. The purpose of this report is to investigate the existing condition of the private side sanitary lateral to identify any existing defects and formulate a scope of work for its repair.

## 1.2. Site Description

12825 Keele St. is an one-storey stucco lined building with slab on grade located at the corner West of Keele St. and North of Elizabeth Grove. The main driveway of the PRS station fronts Keele St, a secondary driveway to staff parking fronts Elizabeth Grove. At one point it served as a fire hall, with a holding tank under the main driveway. In 2003, the structure received renovations and was converted into an EMS response station and received an upgraded sanitary system – being either a larger holding tank or septic system.

Around January 2007, York Region completed sanitary and storm sewer upgrades on Keele St, where the PRS received a direct connection into the 200mm PVC sanitary trunk on Keele St. Plan and profile construction record set is found in Appendix A.

Current site conditions is shown on a plan of topography of the site completed by Holding Jones Vanderveen Inc OLS on drawing dated 2015-12-17, see Appendix A. Interior plumbing drawing for this sanitary lateral is not available.



## 2. Condition Assessment

### 2.1. Scope of Work

The existing sanitary lateral extends Westwards from the building to the 200mm dia PVC trunk sewer on Keele St. York Region infrastructure drawings show the public side lateral terminating at the property line. Test fitting invert elevation was not shown. Drawings of the private side lateral between the test fitting and building is not available. The extent of the investigation is shown in Figure 1.

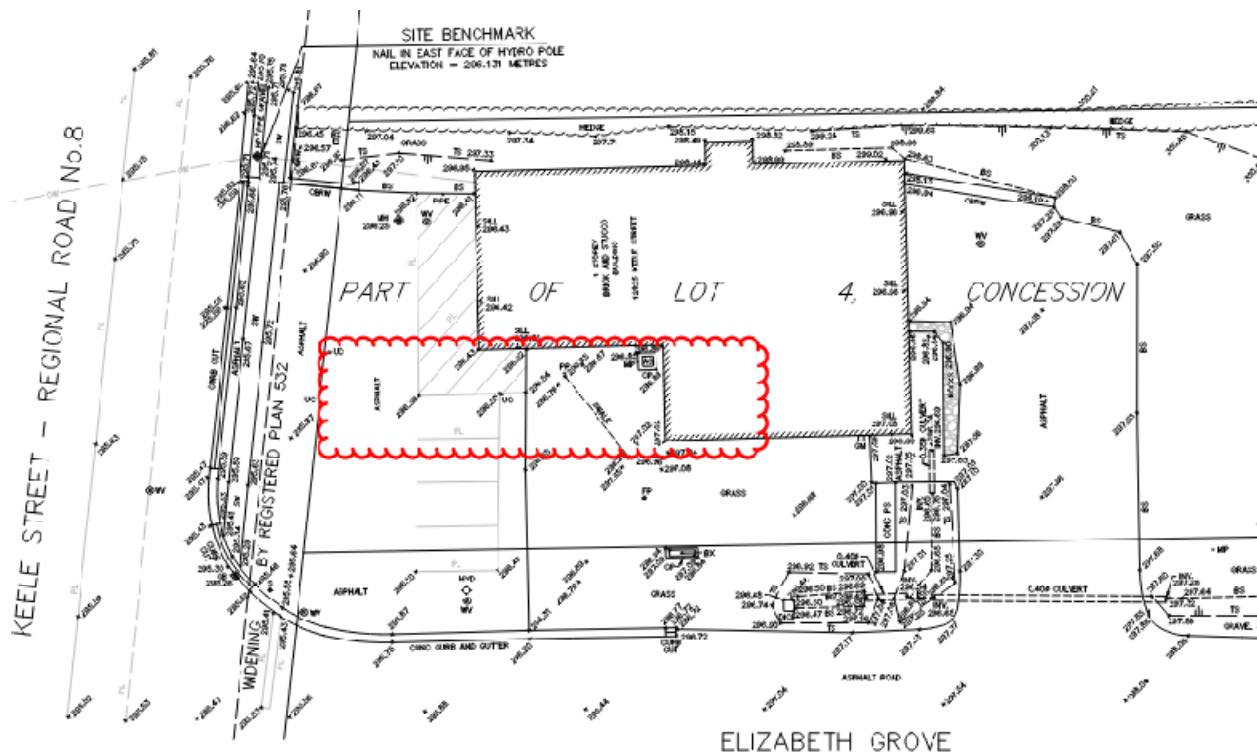


Figure 1: Extent of investigation.

### 2.2. Methodology

Site topo plan identifies 3 clean out caps. Actual condition of these caps appear in poor and broken condition, with debris visible inside. Furthermore we cannot determine whether or not these clean-out caps lead to the sanitary lateral. Due to this, Pinpoint Engineering decided to use CCTV to investigate the sanitary lateral.

New Canadian Drain and Plumbing Ltd. was hired to complete the CCTV investigation work. The camera equipment used is the Rigid Seesnake camera with a 325' max run camera reel. The inspection camera entered the sanitary lateral system through the existing floor drain in the men's washroom, as shown in Figure 2.



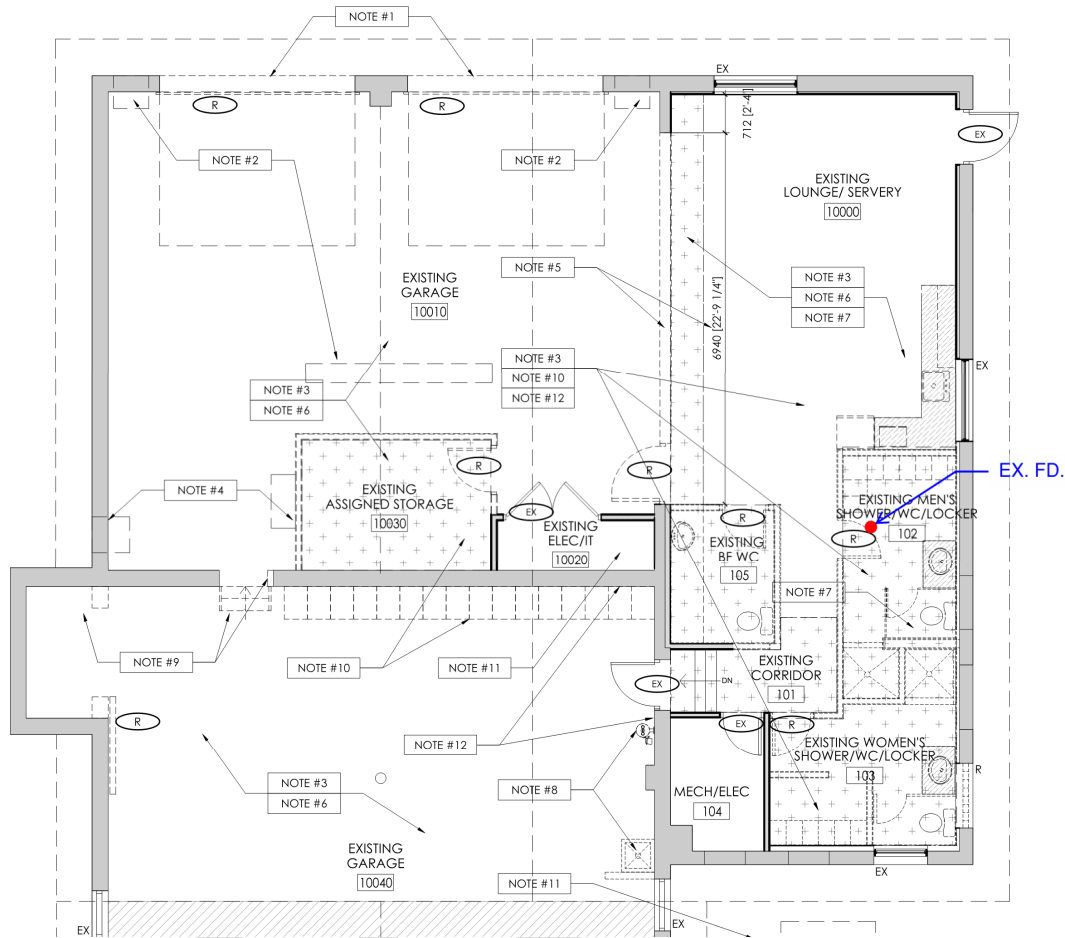


Figure 2: Partial floor plan showing CCTV Inspection starting point EX. FD.

## 2.3. Observations

The existing lateral is approximately 4"-5" diameter, consisting mainly of PVC pipe, with one segment of cast iron. Minor extraneous flow is occurring inside the lateral along the entire length of pipe.

Findings of the CCTV camera inspection is summarized in the Table 1 below. Notes and details are described when looking down the direction of flow.



Table 1: Summary of CCTV observations

Camera Length	Station	Pipe Material	Notes	Details
3'-6"	N/A	N/A	Cap of floor drain	
4'-11"	0'-0"	PVC	Camera reached bottom of lateral pipe	
11'-4"	6'-5"	PVC	Y Fitting	9 O'clock
14'-4"	9'-5"	PVC	Y Fitting	2 O'clock
16'-4"	11'-5"	PVC	Y Fitting	3 O'clock
20'-7"	15'-8"	PVC	Y Fitting	3 O'clock
22'-4"	17'-5"	PVC/CI	PVC pipe joins with cast iron pipe, break in pipe joint. Sanitary effluent can be seen collecting at the break.	
23'-5"	18'-6"	CI	90 deg elbow turning right	
24'-9"	19'-10"	CI/PVC	CI pipe joins with PVC elbow turning down, possible break in pipe. vertical pipe segment approx. 1'-6" long	
26'-3"	21'-4"	PVC	Bottom of vertical pipe meeting vertical T Fitting on lateral below, direction of pipe is assumed to continue westwards Location is close to building foundation wall	
32'-0"	27'-1"	PVC	45 deg elbow turning right	
34'-1"	29'-2"	PVC	45 deg elbow turning right	
37'-9"	32'-10"	PVC	Horizontal pipe leading to 90 deg elbow turning down, pooling of liquid visible just before elbow fitting, possibly deflection in pipe	
39'-10"	34'-11"	PVC	90 deg elbow vertical to horizontal pipe	
41'-9"	36'-10"	PVC	Camera stuck and cannot advance further.	

Schematic of the sanitary lateral is found in Appendix B, relevant images from video is included in Appendix C.

Information from the York Region plan and profile drawing show the obvert elevation of the Keele St. trunk sewer, at the station of the sanitary test fitting to be at approximately ELEV 290.8. Surface elevation at this location, seen from the topo survey, is approximately ELEV 295.87. Elevation of the test fitting invert is unknown.



### 3. Discussions

Overall condition of the private sanitary lateral is in poor condition. The large number of bends and elbows for such structure is unusual when compared to similar structures. This could be due to the numerous interior renovations and sanitary system changes over the years.

The inspection discovered a segment of cast iron pipe and elbow located roughly at the existing foundation wall, camera length 22'-4". We noted an exterior generator pad placed close to this location. The camera confirmed one break upstream of cast iron pipe and a possible break downstream of the cast iron pipe. A pool of effluent is collecting upstream of the break, suggesting the surrounding soil to be saturated up to the level of the pool. Sanitary effluent is able to flow over the break, as seen in the CCTV inspection video when a toilet is flushed.

Another ponding of effluent was found at camera length 37'-9", right before a vertical elbow. The camera could not capture obvious signs of pipe break at this location.

The minor extraneous flow was observed inside the pipe indicates that the pipe leaks. However this condition is accounted for in municipal design.

The camera was unable to advance beyond 41'-9" extension due to having to maneuver through 7 bends within the lateral.

### 4. Recommendations

The segment of cast iron pipe and elbow needs to be removed and replaced with a PVC pipe. The presence of a vertical segment immediately downstream of the cast iron elbow suggests high chance of this pipe being on the inside of the building. However this should be confirmed in field with daylighting.

We present two options for sanitary works for this renovation project:

#### 4.1. Option A - Repair existing lateral

Considering the age of the building, existing sanitary lateral may be grand-fathered considering fixture units of the proposed renovation does not exceed existing condition. The cast iron segment will be replaced with PVC pipe material conforming to Township of King's engineering design criteria. This is the more economical and quicker option.

Suggested scope of work include:

- Localized Locating and Daylighting to confirm cast iron pipe.
- Localized utility locates
- Temporary support of surrounding utilities and exterior generator pad
- Interior removals
- Remove and replace cast iron pipe with PVC.
- Backfill and site restoration



## 4.2. Option B - Replace existing lateral

This option involve replacing the sanitary lateral from the test point to the building, include removing the cast iron pipe segment. The design and construction of the new lateral will be in accordance with Township of King's engineering design criteria. This option is more expensive and requires more time

Suggested scope of work include:

- Localized Locating and Daylighting to confirm cast iron pipe.
- Localized Locating and Daylighting to confirm existing test fitting location.
- Utility locates between test fitting to building
- Remove existing lateral between building to test fitting.
- Temporary support of surrounding utilities and exterior generator pad
- Reconstruction of pipe lateral to test fitting, minimum pipe size 125mm diameter
- CCTV inspection of lateral prior to connection to test fitting
- Pipe bedding, asphalt surface restoration in accordance with Township of King's engineering design standards



## 5. Conclusion

The findings of this sanitary lateral condition assessment can be concluded as follows:

Existing lateral consists of 4"-5" PVC pipe with a cast iron pipe segment located near the foundation wall.

Joint is broken between the cast iron and PVC pipe segment. Ponding of sanitary effluent was found at the broken joint.

Numerous elbows were found using CCTV and the camera was unable to advance beyond 36' inside the lateral.

Cast iron pipe segment must be removed and replaced with PVC pipe.

Two options to address this condition are: localized repair or replacement of lateral between test fitting and building on the private side.

In closing, we trust the above finding satisfies sanitary lateral condition assessment. Please contact the undersigned if you have any questions or comments.

Sincerely,

Jason Chiu P.Eng



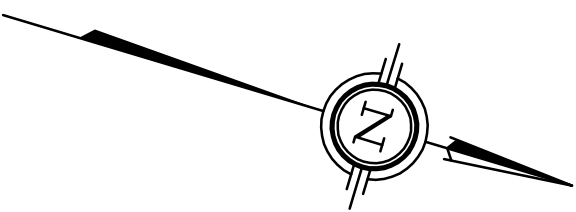
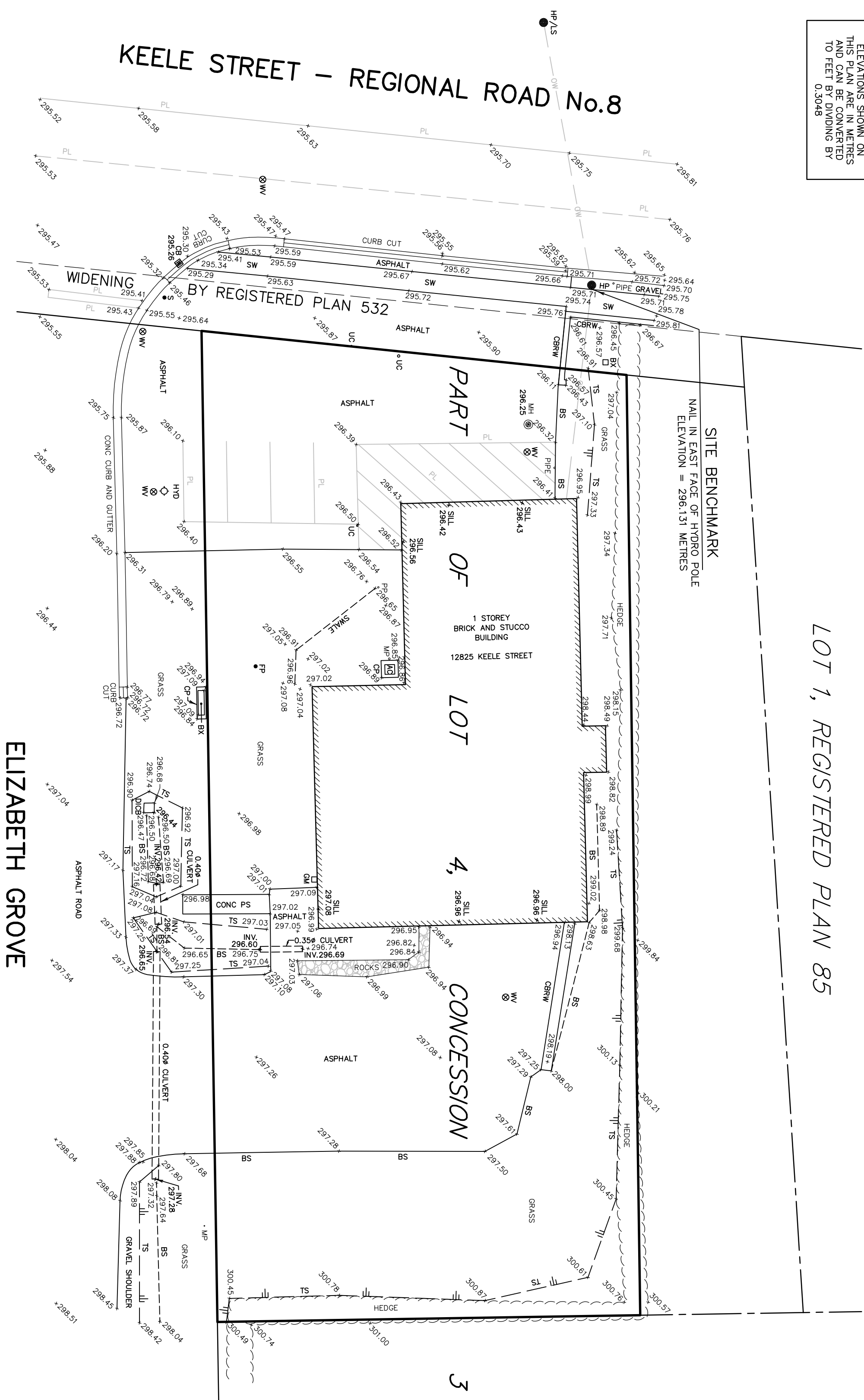
## **APPENDIX A: Background Information**



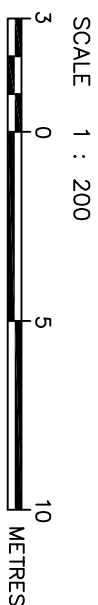
METRIC  
ELEVATIONS SHOWN ON  
THIS PLAN ARE IN METRES  
AND CAN BE CONVERTED  
TO FEET BY DIVIDING BY  
0.3048

LOT 1, REGISTERED PLAN 85

SITE BENCHMARK  
NAIL IN EAST FACE OF HYDRO POLE  
ELEVATION = 296.31 METRES



PLAN OF TOPOGRAPHY OF  
PART OF LOT 4, CONCESSION 3  
TOWNSHIP OF KING  
THE REGIONAL MUNICIPALITY OF YORK



HOLDING JONES VANDERVEEN INC.  
ONTARIO LAND SURVEYORS  
© COPYRIGHT

NOTES

ELEVATIONS ARE GEODETIC AND ARE REFERRED TO YORK REGION  
BENCHMARK NO 70-111, HAVING AN ELEVATION OF 300.120 METRES.

AC	DENOTES	AIR CONDITIONER
BS	DENOTES	BOTTOM OF SLOPE
BX	DENOTES	BELL BOX
CBRW	DENOTES	CONCRETE BLOCK RETAINING WALL
CB	DENOTES	CATCH BASIN
CONC	DENOTES	CONCRETE
CP	DENOTES	CONCRETE PAD
DICB	DENOTES	DITCH INLET CATCH BASIN
FP	DENOTES	FLAG POLE
GM	DENOTES	GAS METER
INV	DENOTES	INVERT
HP	DENOTES	HYDRO POLE
HYD	DENOTES	HYDRANT
LS	DENOTES	LIGHT STANDARD
MH	DENOTES	MANHOLE
MP	DENOTES	METAL PIPE
OW	DENOTES	OVERHEAD WIRES
PL	DENOTES	PAINT LINE
PP	DENOTES	PLASTIC PIPE
PS	DENOTES	PATIO STONES
S	DENOTES	SIGN
SILL	DENOTES	DOOR SILL
SW	DENOTES	CONCRETE SIDEWALK
TS	DENOTES	TOP OF SLOPE
UC	DENOTES	UTILITY COVER

THE TOPOGRAPHIC SURVEY WAS COMPLETED ON DECEMBER 17, 2015

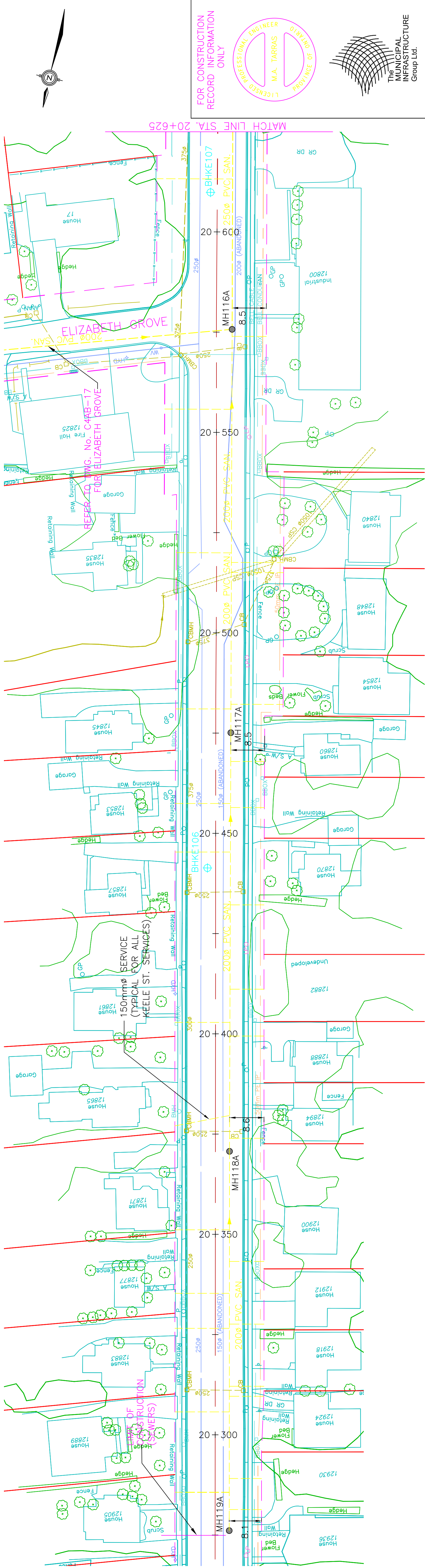


HOLDING JONES VANDERVEEN INC.  
ONTARIO LAND SURVEYORS

1700 LANGSTAFF ROAD, SUITE 1002  
VAUGHAN, ON L4K 3S3  
PHONE: 905-660-4000, 416-445-3800 EMAIL: h.jv@hjv-ols.co

SCALE: 1:200 DRAWN BY: T.P. CHKD. BY: T.R. JOB NO.: 15-2441-TOPO



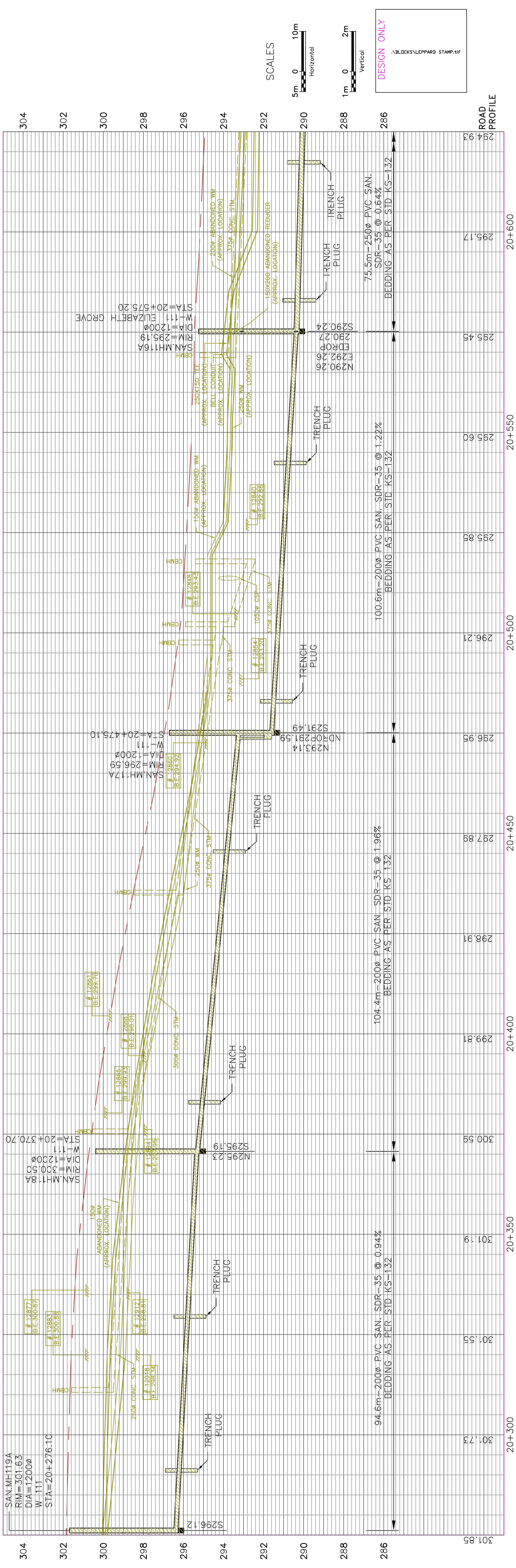


FOR CONSTRUCTION RECORD INFORMATION ONLY

LICENSED PROFESSIONAL ENGINEER  
M.A. TARRAS  
PROV. NO. 011510

The MUNICIPAL INFRASTRUCTURE Group Ltd.

KEELE STREET



NOTE:  THE LOCATION OF UTILITIES IS APPROXIMATE ONLY, AND THE EXACT LOCATION SHOULD BE DETERMINED BY CONSULTING THE MUNICIPAL AUTHORITIES AND UTILITY COMPANIES CONCERNED. THE CONTRACTOR SHALL PROVE THE LOCATION OF UTILITIES AND SHALL BE RESPONSIBLE FOR ADEQUATE PROTECTION FROM DAMAGE, AND SUPPORT DURING CONSTRUCTION. THE CONTRACTOR SHALL FOLLOW THE MOST CURRENT STANDARDS AND GUIDELINES OF THE UTILITY OWNER.	STORM AND SANITARY SEWERS:		REVISIONS		BY	DESIGN KSR/BC/JM	KING CITY SANITARY SEWER CONSTRUCTION KEELE STREET	DWG. NO. W02-010001
	1. INVERT ELEVATIONS SHOWN ARE AT CENTRE-LINE OF CATCHBASIN OR MANHOLE.		ISSUED FOR 60% SUBMISSION					
	2. PIPE LENGTHS SHOWN ARE CENTRE-LINE TO CENTRE-LINE OF CATCHBASIN OR MANHOLE.		ISSUED FOR 90% SUBMISSION					
	3. OFFSETS SHOWN ARE TO CENTRE OF CATCHBASIN OR MANHOLE.		ISSUED FOR APPROVAL					
			ISSUED FOR TENDER					
			CONSTRUCTION RECORD INFO					

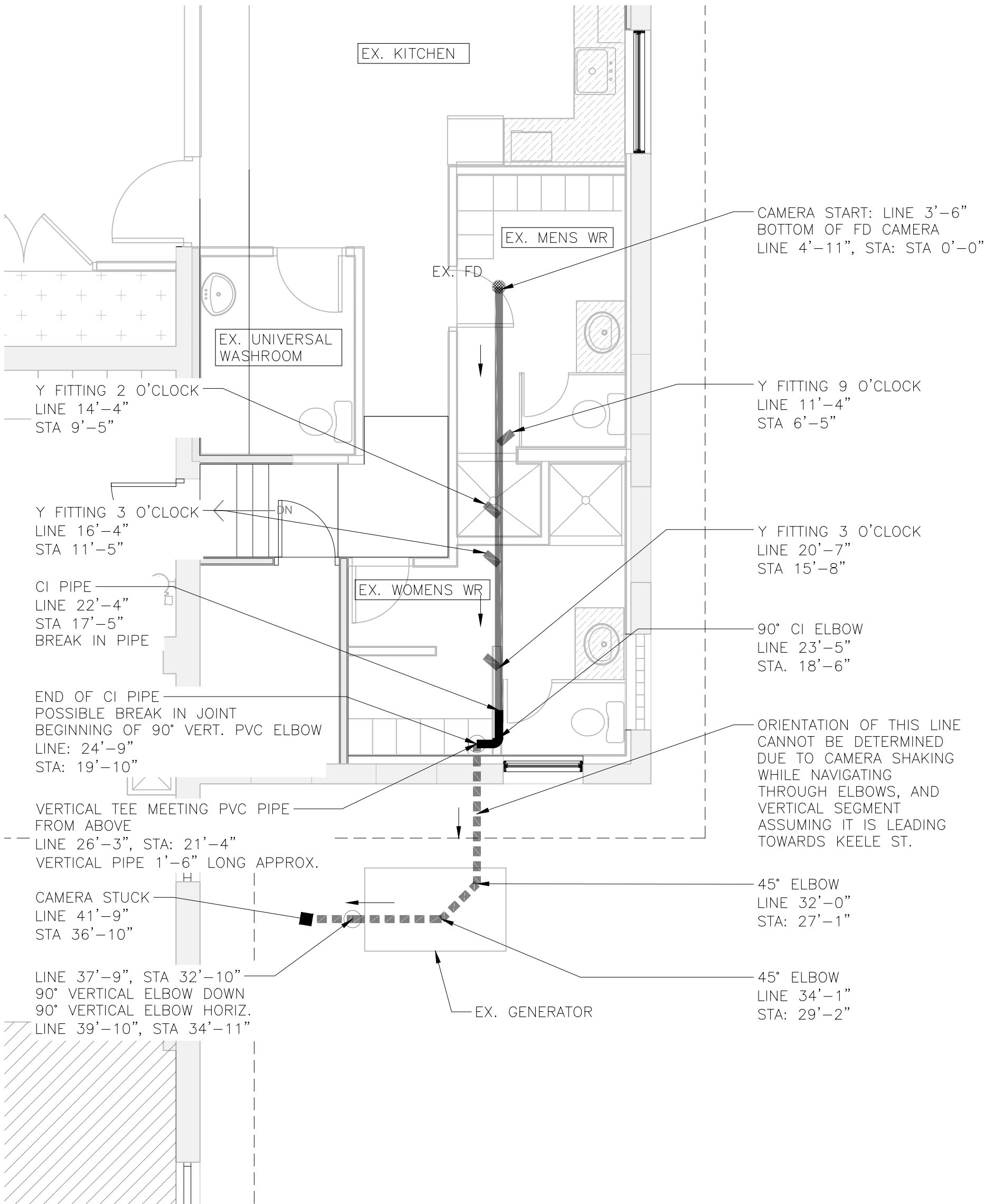






## **APPENDIX B: Sanitary Lateral Schematic**





PRELIMINARY

1. 2023-03-29 ISSUED FOR REVIEW JC

**PINPOINT**  
ENGINEERING

5B-8841 GEORGE BOLTON PARKWAY  
BOLTON, ONTARIO, L7E 2X8  
+1 647 639 0089  
PINPOINTENGINEERING.CA

PROJECT:  
KING CITY PRS  
YORK REGION  
12825 KEELE ST. KING CITY ON.  
TITLE:  
SANITARY LATERAL SCHEMATIC

DATE: 2023-03-29  
DRAWN BY: JC  
PROJECT NO. 22113  
SCALE: NTS

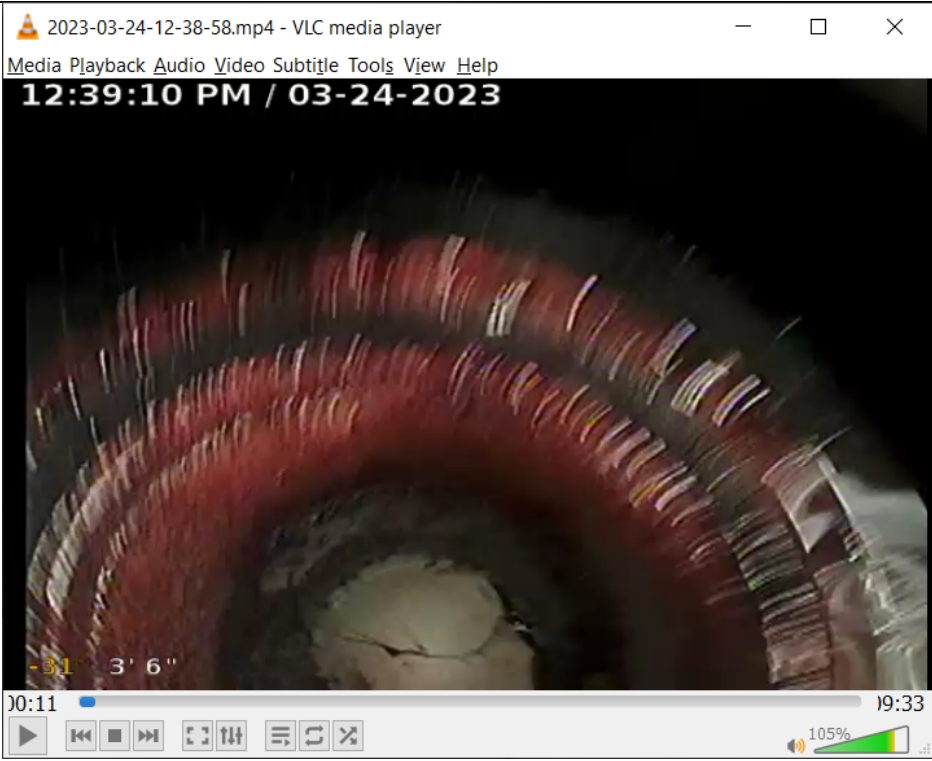
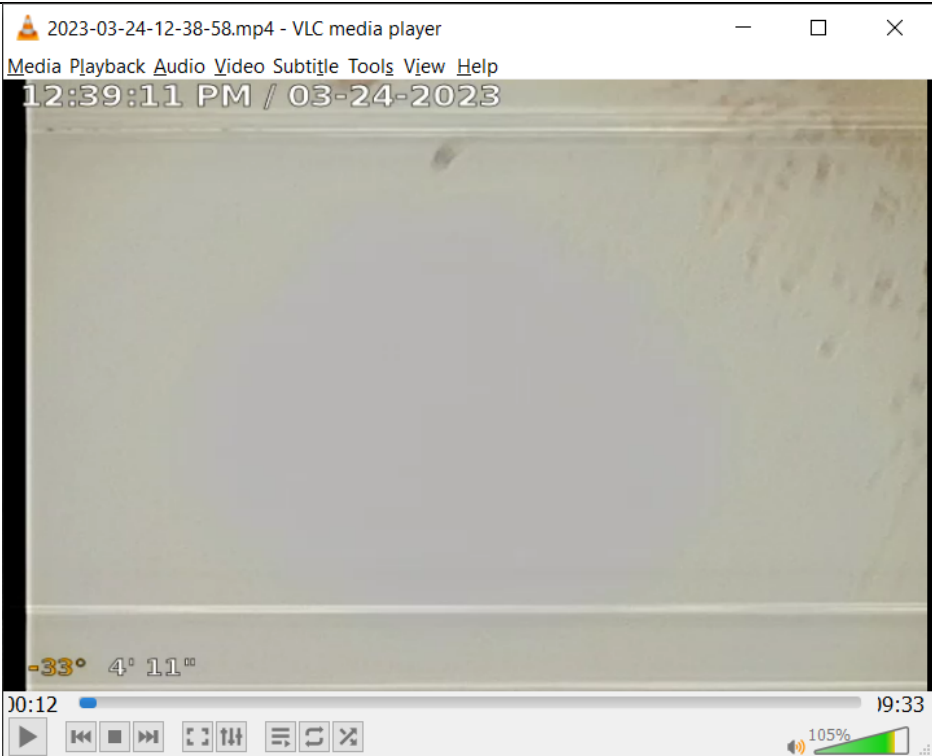
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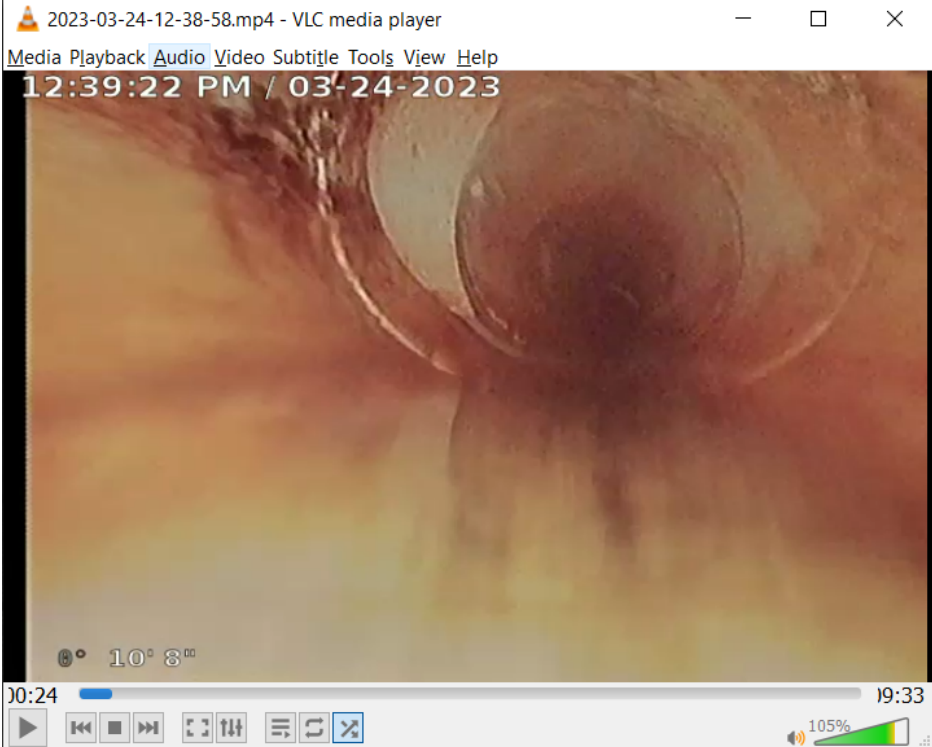
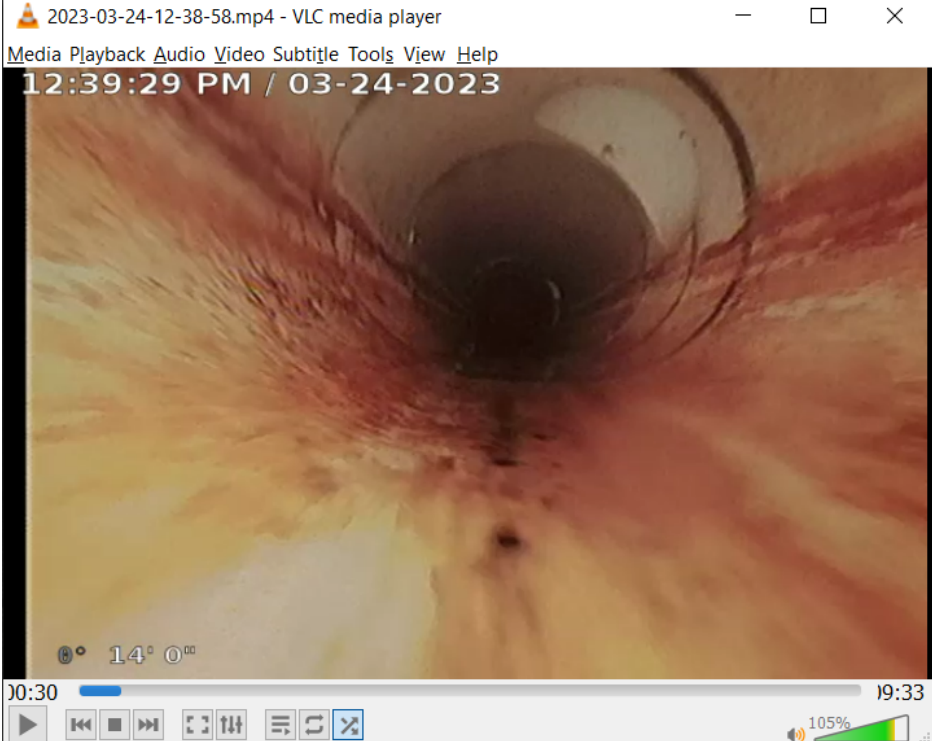
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## **APPENDIX C: CCTV Observations**


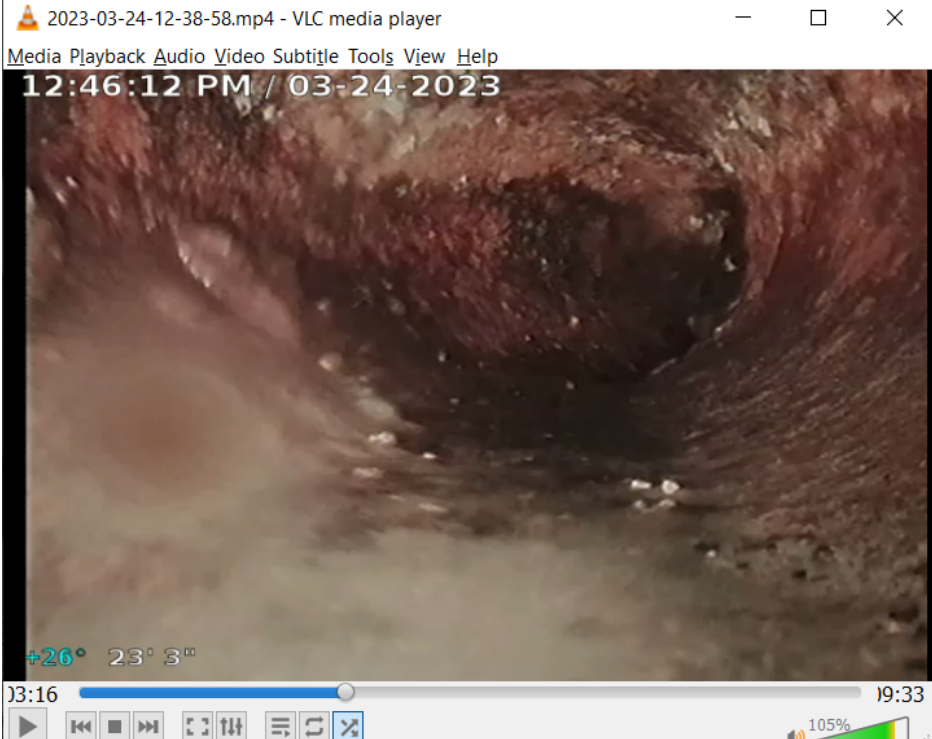


Camera Length	Station	Image
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4'-11"	0'-0"	 <p>2023-03-24-12-38-58.mp4 - VLC media player Media Playback Audio Video Subtitle Tools View Help 12:39:11 PM / 03-24-2023 -33° 4' 11" 10:12 19:33 105%</p> <p>BOTTOM OF FD</p>



11'-4"	6'-5"	
14'-4"	9'-5"	



16'-4"	11'-5"	
20'-7"	15'-8"	

22'-4"	17'-5"	
23'-5"	18'-6"	





24'-9"	19'-10"	 <p>2023-03-24-12-38-58.mp4 - VLC media player</p> <p>Media Playback Audio Video Subtitle Tools View Help</p> <p>12:46:14 PM / 03-24-2023</p> <p>+14° 24' 4"</p> <p>13:18 19:33</p> <p>105%</p>
26'-3"	21'-4"	 <p>2023-03-24-12-38-58.mp4 - VLC media player</p> <p>Media Playback Audio Video Subtitle Tools View Help</p> <p>12:46:18 PM / 03-24-2023</p> <p>+43° 26' 1"</p> <p>13:22 19:33</p> <p>105%</p>

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34'-1"	29'-2"	



37'-9"	32'-10"	<div data-bbox="467 197 1393 940"> </div> <div data-bbox="467 947 1393 1690"> </div>
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**Trillium Architectural Products Ltd.**

52 Prince Andrew Place  
Toronto, ON, Canada  
M3C 2H4

416-391-5555  
www.trillium.group

**Project#: P000055142**

**SCHEDULE OF FINISHING HARDWARE  
FOR  
YORK REGION PARAMEDIC RESPONSE STATION  
12825 KEELE ST  
GROUND  
KING CITY, ON, L7B 1H7  
CANADA**

**PROJECT CONSULTANT:** GEOFF MAINPRIZE, AHC/CDC

gmainprize@trillium.group

**HARDWARE DETAILER:** ADAM BUTLER

abutler@trillium.group

**Start Date:** 09-Mar-2023

**Revised:** 10-Mar-2023 REVISED.

Finish Code	BMHA Code	Description
C10	612	Satin Bronze, Clear Coated
C10B*	613*	Dark Oxidized Satin Bronze, Oil Rubbed*
C14	618	Bright Nickel Plated, Clear Coated
C15	619	Satin Nickel Plated, Clear Coated
C19	622	Flat Black Coated
C20	623	Light Oxidized Statuary Bronze, Clear Coated
C20	690	Dark Bronze Painted
C20A	624	Dark Oxidized Statuary Bronze, Clear Coated
C26	625	Bright Chromium Plated
C26D	626	Satin Chromium Plated
C27	627	Satin Aluminum, Clear Coated
C28 or AL	628	Satin Aluminium, Clear Anodized
C28 or AL	689	Aluminum Painted
C2G	603	Zinc Plated
C3	605	Bright Brass, Clear Coated
C32	629	Bright Stainless Steel
C32D	630	Satin Stainless Steel
C4	606	Satin Brass, Clear Coated
C5	609	Satin Brass, Blackened, Satin Relieved, Clear Coated
C9	611	Bright Bronze, Clear Coated
CP	600	Primed For Painting
EAD	EAD	Brass Painted
EB	EB	Dark Bronze Painted
ED	ED	Black Painted
EN	EN	Aluminum Painted
K29	K29	Black Anodized Aluminum
K40	K40	Dark Bronze Aluminum

\*This finish will vary in colour from item to item and will wear according to use.

Note: The base material (brass, bronze, steel, aluminium) determines which finishes are available (eg, aluminium finishes are only available on products made of aluminium)



**1 SGL DOOR 101**

**EXTERIOR ENTRY DOOR**

38in x 84in x 1 3/4in

ALUMINUM DOOR / ALUMINUM FRAME

**NOTE:**

ALL HARDWARE IS TO BE SUPPLIED BY THE ALUMINUM DOOR SUPPLIER.

1 EACH CARD READER BY OTHERS	BY SECURITY VENDOR
1 EACH MORTISE CYLINDER	BASE BUILDING KEYWAY
1 EACH KEYING	GMK TO BUILDING SYSTEM
1 EACH ELECTRIC STRIKE BY OTHERS	ELECTRIC STRIKE BY OTHERS

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**1 SGL DOOR 101A**

**VESTIBULE**

**RHR**

38in x 84in x 1 3/4in

HOLLOW METAL DOOR / HOLLOW METAL FRAME

3 EACH CONCEALED BEARING HINGE	TA714 4.5 X 4 C15
1 EACH MORTISE PASSAGE SET	8215 LNNF C32D
1 EACH DOOR CLOSER - HOLD OPEN	1431 UH EN HOLD OPEN
1 EACH KICKPLATE	GSH80A 8in X 36.5in TAPE C32D
1 EACH FLOOR STOP	GSH209 C26D

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**1 SGL DOOR 102**

**SUPERVISOR OFFICE**

**RH**

38in x 84in x 1 3/4in

HOLLOW METAL DOOR / HOLLOW METAL FRAME

3 EACH CONCEALED BEARING HINGE	TA714 4.5 X 4 C15
1 EACH CARD READER BY OTHERS	BY SECURITY VENDOR
1 EACH MORTISE STOREROOM LOCKSET	8204 LNNF L/C C32D
1 EACH MORTISE CYLINDER	BASE BUILDING KEYWAY
1 EACH KEYING	GMK TO BUILDING SYSTEM
1 EACH ELECTRIC STRIKE BY OTHERS	ELECTRIC STRIKE BY OTHERS
1 EACH DOOR CLOSER - HOLD OPEN	1431 UH EN HOLD OPEN
1 EACH COAT HOOK	B-6827
1 EACH KICKPLATE	GSH80A 8in X 36.5in TAPE C32D
1 EACH FLOOR STOP	GSH209 C26D

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**1 SLIDING DOOR 103**

**WRITE-UP ROOM**

48in x 84in x 1 3/4in

WOOD DOOR / FRAMELESS

1 SET CATCH&CLOSE TRACK-HANGERS  
1 EACH DOOR PULLS

CC-2-993-W-CA X 96" 1DR KIT  
CUSTOM GSH20150128-88 TB C32D

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**1 SGL DOOR 106**

**EXPANDED ELEC./IT**

**LH**

38in x 84in x 1 3/4in

HOLLOW METAL DOOR / HOLLOW METAL FRAME

3 EACH CONCEALED BEARING HINGE  
1 EACH CARD READER BY OTHERS  
1 EACH MORTISE STOREROOM LOCKSET  
1 EACH MORTISE CYLINDER  
1 EACH KEYING  
1 EACH ELECTRIC STRIKE BY OTHERS  
1 EACH DOOR CLOSER - HOLD OPEN  
1 EACH DOOR LOUVRE AL  
1 EACH KICKPLATE  
1 EACH FLOOR STOP

TA714 4.5 X 4 C15  
BY SECURITY VENDOR  
8204 LNNF L/C C32D  
BASE BUILDING KEYWAY  
GMK TO BUILDING SYSTEM  
ELECTRIC STRIKE BY OTHERS  
1431 UH EN HOLD OPEN  
CDL-24 X 24  
GSH80A 8in X 36.5in TAPE C32D  
GSH209 C26D

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**1 SGL DOOR 111**

**WC/SHOWER**

**RH**

38in x 84in x 1 3/4in

HOLLOW METAL DOOR / HOLLOW METAL FRAME

3 EACH CONCEALED BEARING HINGE  
1 EACH MORTISE PRIVACY LOCKSET  
1 EACH OCCUPANCY INDICATOR  
1 EACH DOOR CLOSER  
1 EACH COAT HOOK  
1 EACH KICKPLATE  
1 EACH FLOOR STOP

TA714 4.5 X 4 C15  
8265 LNNF C32D  
185P C32D C/W EMERGENCY RELEASE  
1431 UO EN - SURFACE MOUNTED  
B-6827  
GSH80A 8in X 36.5in TAPE C32D  
GSH209 C26D

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**1 SGL DOOR 113**

**UNIVERSAL WASHROOM**

**RH**

38in x 84in x 1 3/4in

HOLLOW METAL DOOR / HOLLOW METAL FRAME

3 EACH CONCEALED BEARING HINGE	TA714 4.5 X 4 C15
1 EACH MORTISE STOREROOM LOCKSET	8204 LNNF L/C C32D
1 EACH MORTISE CYLINDER	BASE BUILDING KEYWAY
1 EACH KEYING	GMK TO BUILDING SYSTEM
1 EACH ELECTRIC STRIKE	HES 4500C 630
1 EACH UNIVERSAL WASHROOM ILLUMINATED CONTROL KIT	KIT INCLUDES: CX-WEC10, CX-WC13AXSM, CX-TRX-4024, CX-5024, CM-45/4, CM-45/45SE1, CM-45/85SE1, CX-MDC, CX-33
1 EACH LOW VOLTAGE WIRING FOR ADO COMPONENTS	PULL STRINGS BY OTHERS
1 EACH AUTOMATIC OPERATOR INSTALLATION	POWER, BLOCKING, DEVICE BOXES AND PULL STRINGS BY OTHERS
1 EACH AUTOMATIC OPERATOR	SW200-51-CL-IS w/SILVER ARM
1 EACH INSTALL ELECTRIC STRIKE	FRAME CUTOOT NOT INCLUDED
1 EACH DOOR CLOSER	1431 UO EN - SURFACE MOUNTED
1 EACH KICKPLATE	GSH80A 8in X 36.5in TAPE C32D
1 EACH FLOOR STOP	GSH209 C26D

**NOTE:**

All electrical rough-in, including low voltage wire, cable, power supply, conduit, back boxes and blocking not included, by others.

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**1 SGL DOOR 118**

**NEW CORRIDOR TO EXISTING GARAGE**

**LHR**

38in x 84in x 1 3/4in

HOLLOW METAL DOOR / HOLLOW METAL FRAME

1 1/2 HR FIRE LABEL

3 EACH CONCEALED BEARING HINGE	TA714 4.5 X 4 C15
1 EACH MORTISE PASSAGE SET	8215 LNNF C32D
1 EACH DOOR CLOSER	1431 UO EN - SURFACE MOUNTED
1 EACH KICKPLATE	GSH80A 8in X 36.5in TAPE C32D
1 EACH FLOOR STOP	GSH209 C26D
1 ROLL GASKETING	S44BL21

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**1 SGL DOOR 119**

**MEDICAL STORAGE**

**RH**

38in x 84in x 1 3/4in

HOLLOW METAL DOOR / HOLLOW METAL FRAME

3 EACH CONCEALED BEARING HINGE  
1 EACH CARD READER BY OTHERS  
1 EACH MORTISE STOREROOM LOCKSET  
1 EACH MORTISE CYLINDER  
1 EACH KEYING  
1 EACH ELECTRIC STRIKE BY OTHERS  
1 EACH DOOR CLOSER  
1 EACH KICKPLATE  
1 EACH FLOOR STOP

TA714 4.5 X 4 C15  
BY SECURITY VENDOR  
8204 LNNF L/C C32D  
BASE BUILDING KEYWAY  
GMK TO BUILDING SYSTEM  
ELECTRIC STRIKE BY OTHERS  
1431 UO EN - SURFACE MOUNTED  
GSH80A 8in X 36.5in TAPE C32D  
GSH209 C26D

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**1 OVERHEAD DOOR E102A**

**OVERHEAD GARAGE DOOR**

NOTE:

BY OVERHEAD DOOR SUPPLIER.

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**1 OVERHEAD DOOR E102B**

**OVERHEAD GARAGE DOOR**

NOTE:

BY OVERHEAD DOOR SUPPLIER.

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**EXISTING DOOR E114**

**MECH/ELEC.**

EXISTING DOOR / EXISTING FRAME

NOTE:

EXISTING TO REMAIN, EXCEPT ADD THE FOLLOWING:

1 EACH CYLINDRICAL STOREROOM SET  
1 EACH CYLINDER  
1 EACH KEYING

11G04 LL C26D  
BASE BUILDING KEYWAY  
GMK TO BUILDING SYSTEM

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**EXISTING DOOR E115** **INTERNAL GARAGE ACCESS**  
EXISTING DOOR / EXISTING FRAME  
NOTE:  
EXISTING TO REMAIN.

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**EXISTING DOOR E120** **GARAGE ENTRY/EXIT**  
EXISTING DOOR / EXISTING FRAME  
NOTE:  
EXISTING TO REMAIN.

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