

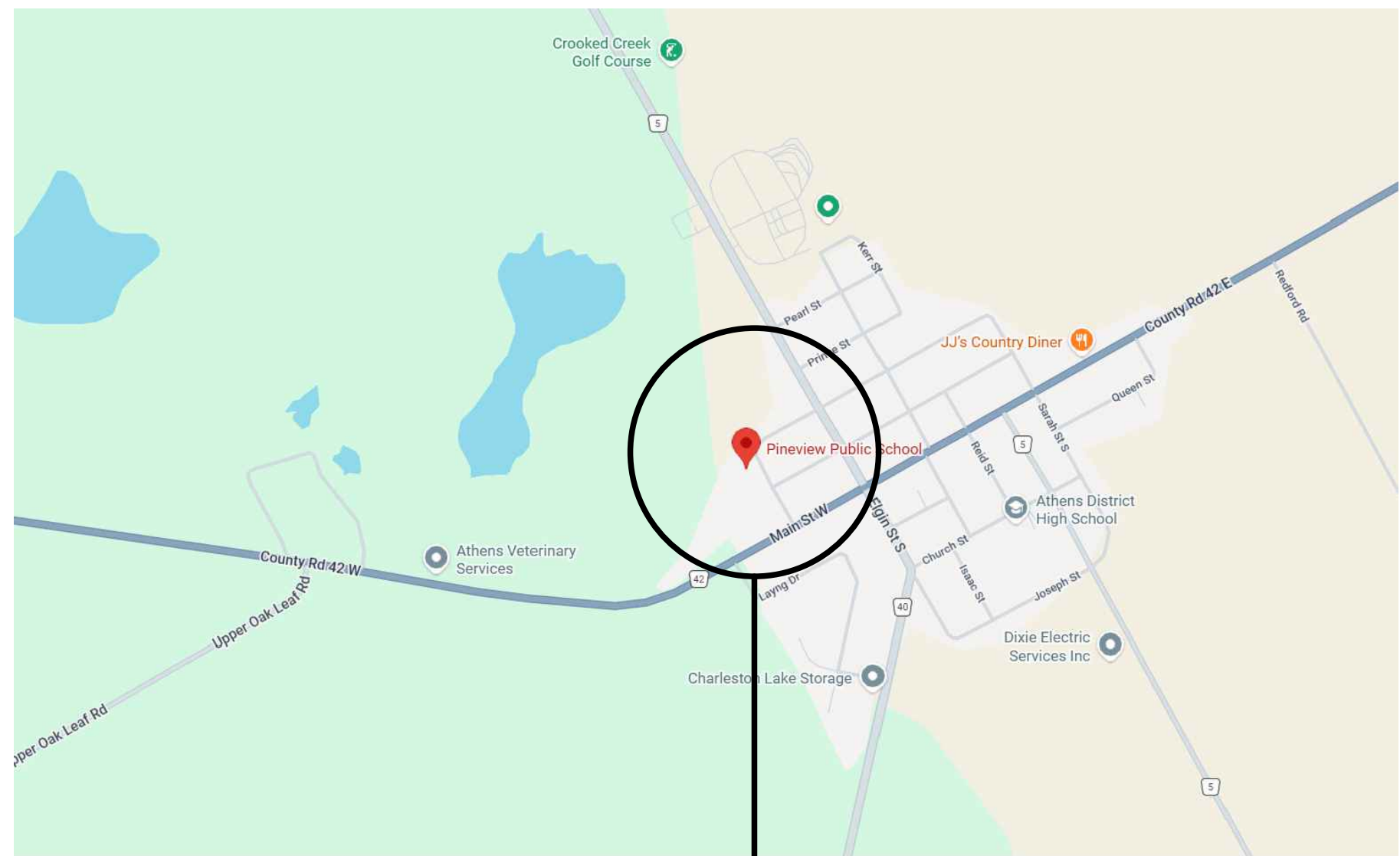
UPPER CANADA DISTRICT SCHOOL BOARD (UCDSB)

Tender Project No. 26-075

PINEVIEW PUBLIC SCHOOL - RAAC

REPLACEMENT AND ACCESSIBILITY UPGRADES

8 GEORGE ST, ATHENS, ONTARIO



KEY PLAN (N.T.S.)

SITE LOCATION

DRAWING LIST

ARCHITECTURAL

- A000 COVER PAGE
- A001 GENERAL NOTES, ABBREVIATIONS & OBC MATRIX
- A002 GENERAL CONSTRUCTION PHASING
- A100 OVERALL SITE PLAN - NEW PORTABLE INSTALLATION
- D200 DEMOLITION - GROUND FLOOR PLAN
- D201 DEMOLITION - GROUND FLOOR PLAN RCP
- D202 DEMOLITION - ROOF PLAN
- A200 RENOVATION - GROUND FLOOR PLAN
- A201 RENOVATION - GROUND FLOOR PLAN RCP
- A300 DETAILS & SCHEDULES - EXTERIOR VESTIBULE DOORS & FRAMES
- A500 TYPICAL DETAILS - BARRIER-FREE ACCESSIBILITY LIFT
- A600 MILLWORK DETAILS - HALLWAY CUBBIES

ROOFING

- KP1 KEY PLAN
- RP1 ROOF PLAN
- RP2 ROOF PLAN
- RP3 ROOF PLAN
- RP4 TAPERED INSULATION PLAN
- A1 ROOF DRAIN DETAIL
- A2 PLUMBING VENT DETAIL
- A3 OVERFLOW SCUPPER DETAIL
- A4 SEISMIC CURB DETAIL
- A5 EXHAUST FAN DETAIL
- A6 PARAPET DETAIL #1
- A7 PIPE ENCLOSURE DETAIL
- A8 ROOF/WALL INTERSECTION DETAIL
- A9 MECH. GOOSENECK VENT DETAIL
- A10 EXPANSION JOINT DETAIL
- A11 CONTROL JOINT DETAIL
- A12 PARAPET DETAIL #2
- A13 ENCLOSED BEAM DETAIL
- A14 PARAPET DETAIL #3
- A15 SEISMIC SLEEPER DETAIL
- RA-1 NEW TYPICAL ROOF ASSEMBLY
- SK-1 BASE FLASHING FASTENERS & REINFORCING MEMBRANE DETAIL

STRUCTURAL

- S100 GENERAL NOTES
- S101 GENERAL NOTES
- S105 TYPICAL DETAILS
- S106 TYPICAL DETAILS
- S200 GROUND FLOOR PLAN
- S210 ROOF PLAN
- S220 PORTABLE FOUNDATIONS
- S300 SCHEDULES
- S400 ROOF SECTIONS

MECHANICAL

- M001 MECHANICAL LEGEND
- M200 PLUMBING GROUND FLOOR DEMOLITION
- M201 PLUMBING ROOF DEMOLITION
- M202 PLUMBING GROUND FLOOR RENOVATIONS
- M203 PLUMBING ROOF RENOVATION
- M300 HVAC SYSTEMS GROUND FLOOR DEMOLITION
- M301 HVAC SYSTEMS ROOF DEMOLITION
- M302 HVAC SYSTEMS GROUND FLOOR RENOVATIONS
- M303 HVAC SYSTEMS ROOF RENOVATIONS
- M400 MECHANICAL SCHEDULES
- M401 MECHANICAL DETAILS
- M402 HVAC SYSTEMS CONTROLS

ELECTRICAL

- E001 LEGENDS, DRAWING LIST, AND GENERAL NOTES
- E100 SITE PLAN
- E200 GROUND FLOOR LIGHTING DEMOLITION FLOOR PLAN
- E201 GROUND FLOOR LIGHTING RENOVATION FLOOR PLAN
- E202 GROUND FLOOR POWER AND SYSTEMS DEMOLITION FLOOR PLAN
- E301 ROOF POWER DEMOLITION PLAN
- E302 GROUND FLOOR POWER AND SYSTEMS RENOVATION FLOOR PLAN
- E303 ROOF POWER RENOVATION PLAN
- E400 GROUND FLOOR FIRE ALARM DEMOLITION FLOOR PLAN
- E401 GROUND FLOOR FIRE ALARM RENOVATION FLOOR PLAN
- E700 ENLARGED PLAN AND SECTION VIEWS
- E701 DETAILS
- E801 PARTIAL DEMOLITION SINGLE LINE DIAGRAM
- E802 PARTIAL RENOVATION SINGLE LINE DIAGRAM
- E803 PANEL SCHEDULES



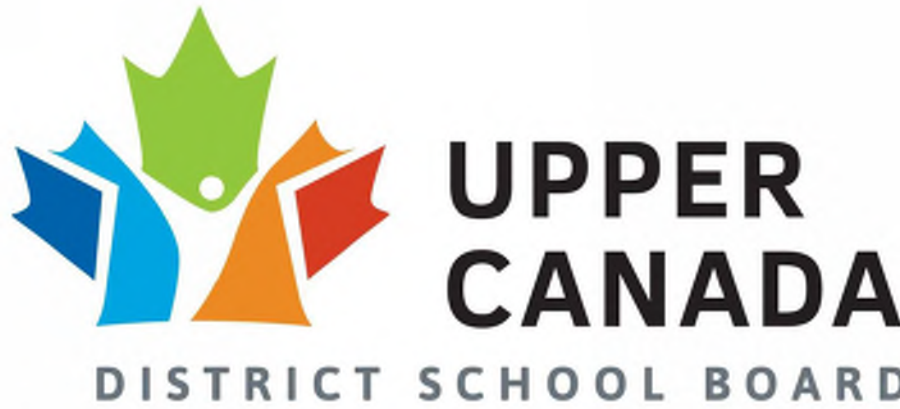
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ISSUED FOR
TENDER/PERMIT

DATE: 2026-05-13

A000

GENERAL DEMOLITION NOTES:

- REFER TO HAZARDOUS MATERIALS ASSESSMENT REPORTS PRIOR TO ANY DEMOLITION.
- UNLESS OTHERWISE INDICATED, ALL MATERIALS RESULTING FROM REMOVAL OR DEMOLITION SHALL BE PROMPTLY REMOVED FROM THE SITE AND DISPOSED OF IN FULL COMPLIANCE WITH ALL APPLICABLE LAWS AND REGULATIONS. ITEMS DESIGNATED AS "REMOVE" SHALL BE TAKEN OFF-SITE AND LEGALLY DISPOSED OF. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER TO CONFIRM THE EXACT LOCATIONS AND STORAGE REQUIREMENTS FOR ANY EQUIPMENT OR MATERIALS IDENTIFIED FOR REUSE PRIOR TO INSTALLATION.
- WHERE EXISTING GROUNDS AND BUILDINGS ARE AFFECTED BY THE WORK OF THIS CONTRACT—INCLUDING, BUT NOT LIMITED TO, THE SUPPLY AND REMOVAL OF DUMPSTERS, VEHICULAR TRAFFIC, AND RELATED ACTIVITIES—THE CONTRACTOR SHALL REINSTATE ALL IMPACTED AREAS TO THEIR ORIGINAL CONDITION. LANDSCAPED AREAS SHALL BE RESTORED WITH 100 MM (4") OF TOPSOIL AND SOD. ASPHALT SURFACES SHALL BE REPAIRED BY REMOVING ALL DAMAGED ASPHALT AND REPLACING IT WITH NEW ASPHALT OVER A COMPACTED GRANULAR 'A' BASE TO ACHIEVE 100% STANDARD PROCTOR DENSITY, WITH ADDITIONAL GRANULAR 'A' INFILL AS REQUIRED. ALL BUILDING SURFACES SHALL BE CLEANED AND REINSTATED TO MATCH EXISTING FINISHES PRIOR TO PLACEMENT OF ANY DUMPSTER(S). THE CONTRACTOR SHALL COORDINATE THE EXACT LOCATION WITH THE OWNER.
- ALL MATERIALS, EQUIPMENT, FURNISHINGS, AND OTHER ITEMS DEEMED SALVAGEABLE FROM DEMOLITION OPERATIONS SHALL REMAIN THE PROPERTY OF THE OWNER. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER TO DETERMINE WHICH ITEMS ARE TO BE REMOVED FROM THE SITE AND WHICH ARE TO BE REUSED, RECYCLED, OR RELOCATED, AS WELL AS THE LOCATIONS FOR THEIR TEMPORARY STORAGE. REFER TO NOTES 2 AND 3 FOR ADDITIONAL REQUIREMENTS.
- WHERE NEW PIPES, CONDUITS, DUCTWORK, OR SIMILAR ELEMENTS PENETRATE FIRE SEPARATIONS, OR WHERE EXISTING PIPES, CONDUITS, OR DUCTWORK ARE REMOVED OR MODIFIED, THE CONTRACTOR SHALL INSTALL FIRESTOPPING IN ALL AFFECTED SPACES AND OPENINGS TO MAINTAIN THE REQUIRED FIRE-RESISTANCE RATING OF THE SEPARATION. FIRE SEPARATIONS ARE AS FOLLOWS:
 - ALL CORRIDOR WALLS
 - MECHANICAL, ELECTRICAL OR SERVICE ROOM WALLS
 - MAIN GYMNASIUM INTERIOR WALLS ADJACENT TO CORRIDOR
- WHERE SMOKE DETECTORS, HEAT DETECTORS, AND OTHER FIRE ALARM COMPONENTS ARE TO REMAIN IN PLACE, THE CONTRACTOR SHALL IMPLEMENT ALL NECESSARY PROTECTIVE MEASURES TO PREVENT DAMAGE DURING CONSTRUCTION ACTIVITIES, INCLUDING BUT NOT LIMITED TO DUST CONTROL AND RELATED PRECAUTIONS.
- DEMOLITION TYPES AND EXISTING CONDITIONS INDICATED ON THE DRAWINGS ARE APPROXIMATE AND INDICATED SOLELY AS A GENERAL REPRESENTATION OF SITE CONDITIONS. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS ON SITE AND ASSUME FULL RESPONSIBILITY FOR THEIR ACCURACY PRIOR TO COMMENCING ANY WORK.
- REMOVE ALL DRYWALL PLASTIC PLUGS AND PATCH AND REPAIR ALL HOLES TO ACHIEVE A SMOOTH, UNIFORM SURFACE PRIOR TO APPLICATION OF PAINT FINISHES IN ALL ROOMS SCHEDULED FOR RENOVATION.
- OWNER TO REMOVE ALL POSTERS, SIGNAGE, PLAQUES, GRAPHICS, ETC. FROM WALLS PRIOR TO TEMPORARY PROTECTION AND PAINT FINISH.
- CUT, PATCH, AND RESTORE ALL AREAS WHERE NEW WORK INTERFACES WITH EXISTING CONSTRUCTION AND WHERE EXISTING WORK IS ALTERED, ENSURING THAT THE FINISHED SURFACES MATCH THE ADJACENT EXISTING CONDITIONS.
- THE CONTRACTOR SHALL ENSURE THAT ALL OCCUPIED AREAS OF THE BUILDING AND SITE REMAIN UNAFFECTED DURING DEMOLITION AND CONSTRUCTION ACTIVITIES. COORDINATE WITH THE OWNER'S REPRESENTATIVE TO SCHEDULE ANY WORK THAT MAY DISTURB OCCUPANTS OR INTERFERE WITH THE REGULAR OPERATIONS OF THE SCHOOL OUTSIDE OF NORMAL HOURS, AS REQUIRED TO PREVENT DISRUPTION. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR PROTECTING ALL EXISTING EQUIPMENT, MATERIALS, AND ASSEMBLIES FROM DAMAGE RESULTING FROM CONSTRUCTION OR DEMOLITION. TRANSPORT CONSTRUCTION AND DEMOLITION MATERIALS TO AND FROM THE SITE IN A MANNER COORDINATED WITH THE OWNER'S REPRESENTATIVE AND IN SUCH A WAY AS TO AVOID ANY DISRUPTION TO THE SCHOOL'S REGULAR OPERATIONS.
- ASSEMBLIES, DIMENSIONS, AND THE QUANTITY AND TYPE OF EXISTING CONDITIONS INDICATED ON THE DRAWINGS ARE APPROXIMATE AND INDICATED SOLELY AS A GENERAL REPRESENTATION OF SITE CONDITIONS. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS ON SITE AND ASSUME FULL RESPONSIBILITY FOR THEIR ACCURACY PRIOR TO COMMENCING WORK. ANY DISCREPANCIES SHALL BE REPORTED IN DETAIL AND IN WRITING TO THE CONSULTANT. ADDRESS SUCH DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE CONTRACT DOCUMENTS IN THE SAME MANNER AS SIMILAR CONDITIONS ELSEWHERE IN THE CONTRACT DOCUMENTS, AT NO ADDITIONAL COST TO THE OWNER.
- REFER TO ROOFING, MECHANICAL, ELECTRICAL AND STRUCTURAL DOCUMENTS FOR THE EXTENT OF DEMOLITION AND RENOVATION WORK AND COORDINATE AS REQUIRED.
- ACCESS ON SITE SHALL BE RESTRICTED TO THE DESIGNATED WORK AREAS. PARKING, AS WELL AS THE PLACEMENT OF DUMPSTERS AND TEMPORARY FACILITIES, SHALL BE LIMITED TO LOCATIONS DIRECTED BY THE OWNER'S REPRESENTATIVE.
- ALL CONTRACTORS SHALL REVIEW THE CONTRACT DOCUMENTS, EXAMINE EXISTING SITE CONDITIONS, AND INSPECT THE WORK IN PLACE PRIOR TO COMMENCING ANY PORTION OF THE WORK.
- ALL CLOCKS, TELEPHONES, FIRE ALARM DEVICES, AND ANY FIXED COVERS FOR FIXTURES REQUIRED FOR THE DAILY FUNCTIONING OF THE BUILDING SHALL BE CAREFULLY PROTECTED THROUGHOUT CONSTRUCTION. UPON COMPLETION OF WORK, REMOVE ALL PROTECTIVE COVERINGS AND ENSURE THAT THESE FIXTURES ARE FULLY OPERATIONAL. IN THE EVENT THAT ANY SUCH DEVICES OR FIXTURES ARE DAMAGED OR LOST, INSTALL REPLACEMENTS MATCHING THE EXISTING UNITS AT NO ADDITIONAL COST TO THE OWNER.
- WHERE EXISTING CEILING TILES AND T-BAR SYSTEMS DESIGNATED TO REMAIN ARE DAMAGED, THE CONTRACTOR SHALL REPLACE THEM WITH NEW MATERIALS MATCHING THE EXISTING, AT NO ADDITIONAL COST TO THE OWNER.
- PROVIDE 1m3 (≈ 1 cubic meters) OF GROUT (20 MPa, CSA A179) FOR POTENTIAL REPAIRS WITHIN EXISTING CONCRETE UNIT CORES OR TERRACOTTA BLOCK CORES. EXACT LOCATION TO BE DETERMINED BY THE CONSULTANT. THIS PROVISION DOES NOT ACCOUNT FOR DETAILS ALREADY INDICATED OR DESCRIBED IN OTHER DRAWINGS.

ABBREVIATION LEGEND

A.F.F.	ABOVE FINISHED FLOOR	MIN.	MINUTES
ALUM	ALUMINUM	mm	MILLIMETERS
ANOD.	ANODIZED FINISH	N.I.C.	NOT IN CONTRACT
AV	AIR/VAPOUR	N/A	NOT APPLICABLE
AVB	AIR/VAPOUR BARRIER	NO.	NUMBER
BLK.	BLOCK	O.C.	ON CENTER
BF	BARRIER FREE	OWSJ	OPEN WEB STEEL JOIST
CB	CEMENT BOARD	P.LAM	PLASTIC LAMINATE
CBLK	CONCRETE BLOCK	PREFIN.	PRE-FINISHED (BY MANUFACTURER)
COL.	COLOR		PREFAB PREFABRICATED EQUIPMENT OR UNIT
CONC.	CONCRETE	PT.	PAINT FINISH
CT	CERAMIC TILE	P/T	PRESSURE TREATED LUMBER
CU	CONDENSING UNIT, REFER TO MECHANICAL	PB	PANEL BOARD
CWT	CERAMIC WALL TILE	RSF	RESILIENT SHEET FLOORING
DWG	DRAWING	RTF	RESILIENT TILE FLOORING
EA	EACH	RBR	RUBBER BASE
EP	EPOXY	RCP	REFER TO REFLECTED CEILING PLAN
EQ.	EQUAL	RFS	REFER TO ROOM FINISH SCHEDULE
ETR	EXISTING TO REMAIN	SCWD	SOLID CORE WOOD DOOR
EX.	EXISTING	S&H	SEALER & HARDENER
FDN.	FOUNDATION	SIM.	SIMILAR
FIN	FINISH	STL	STEEL
F.PLY.	FIRE-RETARDANT TREATED PLYWOOD. REFER TO ROUGH CARPENTRY SPECIFICATIONS.	SV.	SITE VERIFY
		SS	STAINLESS STEEL
		T-BAR	ACOUSTICAL LAY-IN CEILING TILES & SUSPENDED TEE BAR GRID SYSTEM
		TEMP.	TEMPERED GLAZING.
		TH	THERMALLY BROKEN
		TME	TO MATCH EXISTING
		TYP.	TYPICAL
		U/S	UNDERSIDE OF STRUCTURE
		U/G	UNDERGROUND
		URETH	URETHANE FINISH
		VCT	VINYL COMPOSITE TILE
		WD	WOOD
		WR.	WASHROOM
		W/R	WATER RESISTANT GWB
		'X'	FIRE RATED TYPE 'X'
FR.	FRAME		
FRR	FIRE RATED		
GALV.	GALVANIZED		
GL	GLAZING AS PER SCHEDULE		
GWB	GYPSPUM WALLBOARD		
GWG	GEORGIAN WIRED GLASS		
HDWD	HARDWOOD		
H.M.	HOLLOW METAL		
HR	HOUR		
INSUL.	INSULATED		
M.	METERS		
MAT.	MATERIAL		
MANU.	MANUFACTURER		
MECH.	MECHANICAL		
MIC.	MICROWAVE OVEN		

GENERAL NOTES:

- UNLESS OTHERWISE INDICATED, ALL MATERIALS RESULTING FROM REMOVAL OR DEMOLITION SHALL BE PROMPTLY REMOVED FROM THE SITE AND DISPOSED OF IN FULL COMPLIANCE WITH ALL APPLICABLE LAWS AND REGULATIONS. ITEMS DESIGNATED AS "REMOVE" SHALL BE TAKEN OFF-SITE AND LEGALLY DISPOSED OF. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER TO CONFIRM EXACT LOCATIONS AND STORAGE REQUIREMENTS FOR ANY EQUIPMENT OR MATERIALS IDENTIFIED FOR REUSE PRIOR TO INSTALLATION.
- ALL WORK TO COMPLY WITH THE LATEST ONTARIO BUILDING CODE, ONTARIO CONSTRUCTION SAFETY ACT, LOCAL CODES AND BYLAWS, AND OTHER APPLICABLE REQUIREMENTS.
- DO NOT SCALE DRAWINGS.
- VERIFY ALL LINES, LEVELS, AND CENTER POINTS ON SITE PRIOR TO COMMENCING WORK. ENSURE THAT ALL DIMENSIONS CORRESPOND WITH THE DRAWINGS AND MAINTAIN CORRECT ALIGNMENT AND INTERRELATION. REPORT ANY DISCREPANCIES IMMEDIATELY AND IN WRITING TO THE CONSULTANT.
- ALL NEW GYPSUM BOARD SHALL BE 16 MM FIBEROCK ABUSE-RESISTANT TYPE 'X' FIRE CODE GYPSUM BOARD (UNLESS OTHERWISE NOTED), MANUFACTURED BY CGC OR AN APPROVED EQUIVALENT, AND INSTALLED STRICTLY IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN SPECIFICATIONS. ANY GYPSUM BOARD INSTALLED ABOVE THE FINISHED CEILING LINE SHALL BE 16 MM TYPE 'X' GYPSUM BOARD UNLESS NOTED OTHERWISE.
- STANDARD BLOCKING TO BE INSTALLED WITHIN STUD SPACES AS REQUIRED TO ACCOMMODATE THE INSTALLATION FOR SUPPORT OF ITEMS INCLUDING, BUT NOT LIMITED TO, SINKS, MILLWORK, EQUIPMENT, AND WASHROOM ACCESSORIES.
- RESTORE ALL FLOOR, WALL, AND CEILING SURFACES AS REQUIRED WHERE DEMOLITION OF EXISTING MATERIALS OR COMPONENTS AFFECTS THE INSTALLATION OF NEW CONSTRUCTION AND FINISHES, ENSURING A UNIFORM APPEARANCE CONSISTENT WITH ADJACENT EXISTING CONDITIONS.
- FOR ALL DOOR FRAMES AND DOORS DESIGNATED TO BE PAINTED, PREPARE BOTH SIDES OF EACH SURFACE TO PROPERLY RECEIVE THE NEW PAINT FINISH. REFER TO THE PAINTING SPECIFICATION FOR THE EXTENT OF WORK AND THE TYPE OF PAINT TO BE APPLIED TO FRAMES AND DOORS. PAINT SHALL BE SUPPLIED BY BENJAMIN MOORE, DULUX, PARA, OR SHERWIN-WILLIAMS, AS SPECIFIED. NO ALTERNATES WILL BE ACCEPTED.
- IN ALL AREAS DESIGNATED ON THE DRAWINGS TO RECEIVE PAINT FINISHES, PREPARE SURFACES IN ACCORDANCE WITH THE PAINT MANUFACTURER'S WRITTEN SPECIFICATIONS. PREPARATION SHALL INCLUDE, BUT NOT BE LIMITED TO, FILLING INDENTATIONS, CRACKS, AND HOLES; CLEANING WALL SURFACES; REMOVING FLAKING PLASTER; ELIMINATING ALL ADHESIVE RESIDUES; AND SANDING SURFACES AS REQUIRED TO ACHIEVE A SMOOTH, UNIFORM SUBSTRATE SUITABLE FOR PRIMING AND FINISHING.
- IN ALL ROOMS OR AREAS SCHEDULED FOR RENOVATION AND PAINTING, REMOVE ALL MISCELLANEOUS WOOD BLOCKING SURFACE-MOUNTED TO WALLS AND PREPARE WALL SURFACES FOR PAINTING IN ACCORDANCE WITH THE PAINT MANUFACTURER'S WRITTEN SPECIFICATIONS. REINSTALL BLOCKING IF REQUIRED, AS DIRECTED BY THE UCDSB PROJECT MANAGER.
- UPON COMPLETION OF THE PROJECT, HANDOVER 1,000 SQUARE FEET (93 MF) OF ADDITIONAL ACOUSTIC CEILING TILE AND DELIVER TO THE OWNER. ACOUSTIC CEILING TILE SHALL BE CERTANTEED CELOTEX PBT 197, COLOR WHITE, NON-DIRECTIONAL, FISSURED, SIZE 610 MM X 1,220 MM, SQUARE EDGE. ALSO HANDOVER 12 (3.56 M) T-BAR CEILING MAIN TRACKS AND 4 (1.22 M) CROSS TEES SUFFICIENT FOR 1,000 SQ. FT. (93 MF). THIS SURPLUS OF CEILING TILE AND T-BAR COMPONENTS IS SEPARATE FROM AND DOES NOT INCLUDE REPLACEMENT OF ANY DAMAGED CEILING TILES OR T-BAR COMPONENTS AS NOTED UNDER "GENERAL DEMOLITION NOTES," NOTE 17.
- PROVIDE TEMPORARY HOARDING AS REQUIRED TO PREVENT PUBLIC ACCESS TO CONSTRUCTION WORK AREAS. ENSURE THAT NO BUILDING MATERIALS DESIGNATED TO REMAIN ARE DAMAGED DURING THE INSTALLATION OF HOARDING. ANY DAMAGE TO EXISTING BUILDING ELEMENTS RESULTING FROM HOARDING INSTALLATION SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE OWNER. REMOVE ALL TEMPORARY HOARDING UPON COMPLETION OF CONSTRUCTION. REFER TO DEMOLITION DRAWINGS FOR ADDITIONAL HOARDING REQUIREMENTS. PROVIDE TEMPORARY CONSTRUCTION SIGNAGE INDICATING "NO OCCUPANCY-CONSTRUCTION ZONE." QUANTITY AS REQUIRED.
- ALL NEW GYPSUM BOARD SHEATHING TO BE PLASTERED, TAPPED, PRIMED AND PAINTED AS REQUIRED. COLOUR TO MATCH ADJACENT SURFACES UNLESS NOTED OTHERWISE.

BUILDING CODE AND PART 11 NOTES

- EVALUATION IS BEING CONDUCTED THROUGH PART 11 - EXTENSIVE RENOVATION.
- BUILDING IS A WOOD, STEEL AND CONCRETE CONSTRUCTION.
- EXISTING BUILDING IS 1 STOREYS

11.4 EVALUATION OF PERFORMANCE LEVEL & COMPENSATING CONSTRUCTION

(11.4.2.1) STRUCTURAL - NO REDUCTION IN PERFORMANCE LEVEL SINCE NEW OPENINGS SHALL BE STRUCTURAL REVIEWED.

(11.4.2.2) INCREASE IN OCCUPANT LOAD - NO CHANGE IN OCCUPANT LOAD THUS NO INCREASE IN PERFORMANCE LEVEL

(11.4.2.3) CHANGE IN MAJOR OCCUPANCY - NOT APPLICABLE TO PROJECT

(11.4.2.4) PLUMBING - NO REDUCTION IN PERFORMANCE AS DESIGN WILL NOT INCLUDE ANY ADDITIONAL WASHROOM FIXTURES.

(11.4.2.5) SEWAGE SYSTEMS - NO REDUCTION IN PERFORMANCE.

(11.4.2.6) EXTENSION OF BUILDINGS OF COMBUSTIBLE CONSTRUCTION - NOT APPLICABLE TO PROJECT.

11.4.3. COMPENSATING CONSTRUCTION

ENTIRE SECTION NOT APPLICABLE TO PROJECT.

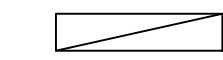
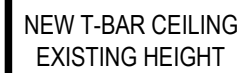
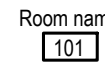
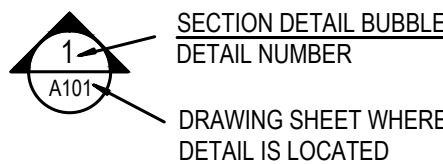
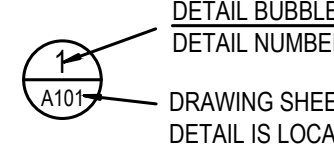
11.5. COMPLIANCE ALTERNATIVES

TABLE 11.2.1.1.A CONSTRUCTION INDEX OF THE EXISTING BUILDING = 6 PER TABLE 11.2.1.1.A

TABLE 11.2.1.1.B, HAZARD INDEX OF EXISTING USE (GROUP A-2, SCHOOL) = 6

COMPENSATING CONSTRUCTION AND ADDITIONAL UPGRADING IS NOT REQUIRED AS THE CONSTRUCTION INDEX IS AT LEAST THE SAME AS THE HAZARD INDEX PER TABLE

SYMBOL LEGEND



REFLECTED CEILING PLAN NOTATION SHOWING ELEVATION AND MATERIAL

BARRIER FREE AUTOMATIC DOOR OPERATOR, REFER TO PLANS FOR LOCATIONS

ACTUATOR ACCESSIBLE PUSH BUTTON NOT LESS THAN 900mm AFF AND NOT MORE THAN 1100mm AFF. REFER TO HARDWARE. TYP. REFER TO PLAN FOR LOCATIONS AND ELECTRICAL FOR EXACT LOCATIONS.

PROXIMITY READER, REFER TO FINISH HARDWARE SCHEDULE AND ELECTRICAL

CALL STATION, REFER TO FINISH HARDWARE SCHEDULE AND ELECTRICAL

DENOTES DOOR NUMBER, REFER TO DOOR SCHEDULE AND SPECIFICATIONS FOR MORE INFORMATION

NAME OF PRACTICE: ARCHITECTURE49 NAME OF PROJECT: PINEVIEW PUBLIC SCHOOL - RAAC REPLACEMENT AND ACCESSIBILITY UPGRADES LOCATION: 8 GEORGE ST, ATHENS, ON K8E 1B0			
2024 ONTARIO BUILDING CODE DATA MATRIX PART 11		RENOVATION OF EXISTING BUILDING	OBC REFERENCE
BUILDING CODE VERSION	2024		
PROJECT TYPE	<input type="checkbox"/> ADDITION <input checked="" type="checkbox"/> RENOVATION <input type="checkbox"/> ADDITION AND RENOVATION <input type="checkbox"/> CHANGE OF USE		[A] 11.2.
DESCRIPTION: RAAC REPLACEMENT AND ACCESSIBILITY UPGRADES			
MAJOR OCCUPANCY CLASSIFICATION	OCCUPANCY GROUP A-2	USE ASSEMBLY OCCUPANCY	CLASSIFICATION 3.2.2.25
3.1.2.1.(1) 3.2.2.20 - 83			
SUPERIMPOSED MAJOR OCCUPANCIES	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		3.2.2.7.
BUILDING AREA (m²)	DESCRIPTION: FIRST FLOOR EXISTING 2,814m² NEW N/A SECOND FLOOR N/A N/A		[A] 14.1.2
BUILDING HEIGHT	1 STOREYS ABOVE GRADE		[A] 14.1.2 & 3.2.1.1.
NUMBER OF STREETS	1 STREET(S)		3.2.2.10. & 3.2.5.
BUILDING SIZE	<input type="checkbox"/> SMALL <input type="checkbox"/> MEDIUM <input checked="" type="checkbox"/> LARGE <input type="checkbox"/> >LARGE		T.11.2.1.1.H
EXISTING BUILDING CLASSIFICATION:	CHANGE IN MAJOR OCCUPANCY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NOT APPLICABLE (NO CHANGE IN MAJOR OCCUPANCY)		T.11.2.1.1.
CONSTRUCTION INDEX	6		T.11.2.1.1A T.11.2.1.1.H 4.2.1.(3)
HAZARD INDEX	6		5.2.2.1.(2)
IMPORTANCE CATEGORY	<input type="checkbox"/> LOW <input checked="" type="checkbox"/> NORMAL <input type="checkbox"/> HIGH <input type="checkbox"/> POST-DISASTER		
RENOVATION TYPE:	<input type="checkbox"/> BASIC RENOVATION <input checked="" type="checkbox"/> EXTENSIVE RENOVATION		11.3.3.1. 11.3.3.2.
OCCUPANT LOAD: (NO CHANGE)	FLOOR LEVEL/AREA	OCCUPANCY TYPE	BASED ON OCCUPANT LOAD (PERSONS)
	GROUND FLOOR	A2	DESIGN OF BLDG 280
PLUMBING FIXTURE REQUIREMENTS (NO CHANGE)	RATIO:	MF ≥ 1Y1 EXCEPT AS OTHERWISE NOTED	
	FLOOR LEVEL/AREA	OCCUPANT LOAD	OBC REFERENCE
	GROUND FLOOR	280	3.7.4.3.-A
BARRIER-FREE DESIGN:	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO EXPLANATION:		11.3.3.2.(2)
REDUCTION IN PERFORMANCE LEVEL:	STRUCTURAL: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES BY INCREASE IN OCCUPANT LOAD: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES BY CHANGE OF MAJOR OCCUPANCY: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES PLUMBING: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES SEWAGE-SYSTEMS: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES EXTENSION OF COMBUSTIBLE CONSTRUCTION: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		11.4.2.1. 11.4.2.2. 11.4.2.3. 11.4.2.4. 11.4.2.5. 11.4.2.6.
COMPENSATING CONSTRUCTION:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES STRUCTURAL: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES BY INCREASE IN OCCUPANT LOAD: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES BY CHANGE OF MAJOR OCCUPANCY: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES PLUMBING: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES SEWAGE-SYSTEMS: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES EXTENSION OF COMBUSTIBLE CONSTRUCTION: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		11.4.3.1. 11.4.3.2. 11.4.3.3. 11.4.3.4. 11.4.3.5. 11.4.3.6. 11.4.3.7.
COMPLIANCE ALTERNATIVE PROPOSED:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		11.5.1.

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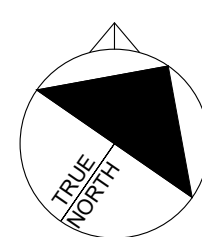
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25mm

NORTH ARROW:



DIGITAL REFERENCE:

PROJECT NO.: CA0047030.1082 CONTRACT NO. 26-075
DRAWN BY: LA CHECKED BY: AB APPROVED BY: DM

KEYPLAN:

4 2026-05-13 ISSUED FOR TENDER/PERMIT
NO. DATE ISSUED
PROJECT

PINEVIEW PS - RAAC REPLACEMENT & ACCESSIBILITY UPGRADES

DRAWING TITLE

GENERAL NOTES, ABBREVIATIONS & OBC MATRIX

DRAWING NO.

A001

GENERAL CONSTRUCTION NOTES:

THE GENERAL CONTRACTOR SHALL MAINTAIN THE EXISTING BUILDING IN A FULLY WATERTIGHT CONDITION FOR THE DURATION OF THE WORK. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY PROTECTION MEASURES INDICATED ON THE DRAWINGS AND SPECIFIED HEREIN. ANY DAMAGE TO THE EXISTING BUILDING, WHETHER ARISING FROM CONSTRUCTION ACTIVITIES OR INADEQUATE PROTECTION, SHALL BE REPAIRED OR REPLACED WITH NEW MATERIALS AT NO COST TO UCDSB.

CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH AUTOCLATED AERATED CONCRETE ASSESSMENT REPORT BY SHOALTS & ZABACK ARCHITECTS DATED 2024/08/28. CONTRACTOR SHOULD BE AWARE OF THIS REPORT AND REVIEW THE AREAS MENTIONED THROUGHOUT CONSTRUCTION AND NOTIFY THE CONSULTANT OF ANY CHANGES. IN THE CASE WHERE CONDITIONS WORSEN, THESE AREAS SHOULD BE PRIORITIZED OVER THE RECOMMENDED DEMOLITION SEQUENCE. ADDITIONALLY, NO EQUIPMENT OR MATERIALS SHOULD BE STORED IN THE AREAS OF DISTRESS MENTIONED WITHIN THE 2024 REPORT AND THE CONTRACTOR SHOULD CONSIDER THIS IN THEIR STAGING AND MOBILIZATION PLANNING

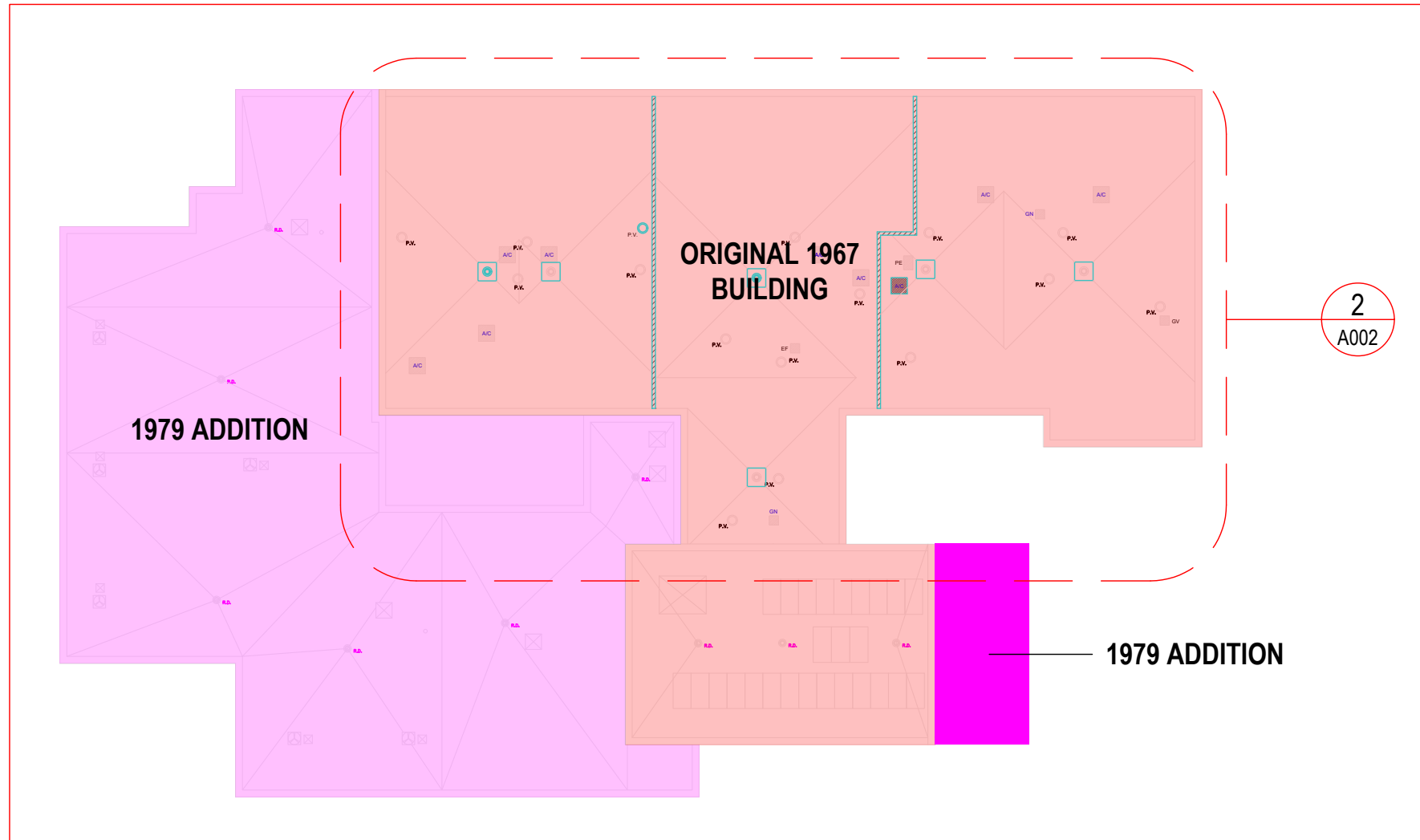
NOTE: THE PROTECTION MEASURES LISTED ARE THE MINIMUM REQUIREMENTS. SHOULD SITE CONDITIONS WARRANT ADDITIONAL OR ENHANCED PROTECTION TO PREVENT DAMAGE, THE GENERAL CONTRACTOR SHALL PROVIDE SUCH MEASURES WITHOUT ADDITIONAL COST. THE LIST OF PROTECTION ITEMS IS NOT EXHAUSTIVE AND MAY NOT IDENTIFY ALL EXISTING CONDITIONS; THE GENERAL CONTRACTOR REMAINS FULLY RESPONSIBLE FOR PROTECTING ALL EXISTING CONSTRUCTION.

DURING DEMOLITION AND RENOVATION PROCEDURES OF THE SIRPOREX/RAAC CONCRETE DECK REPLACEMENT AREAS:

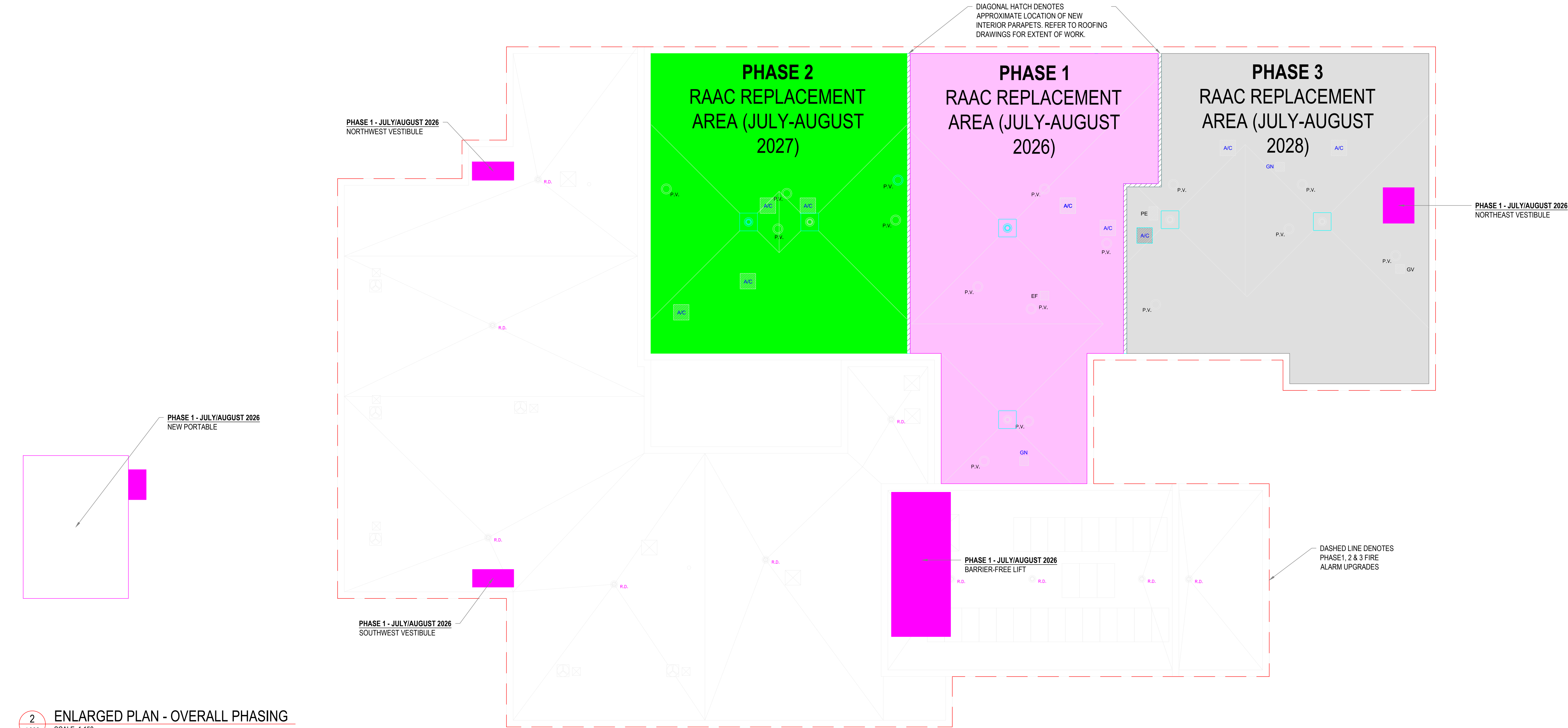
- FOR PROTECTION OF FLOORS, PROVIDE TEMPORARY MIN 19MM THICK PLYWOOD SHEATHING ON 6MIL POLY VAPOUR BARRIER.
- FOR PROTECTION OF WALLS, PROVIDE TEMPORARY MIN. 6MIL POLY VAPOUR BARRIER COVER.
- FOR PROTECTION OF ALL FURNISHINGS, INCLUDING BUT NOT LIMITED TO: ELECTRONICS, MILLWORK, COUNTERTOPS, FURNITURE, TABLES, CHAIRS, ETC., PROVIDE TEMPORARY MIN. 6MIL POLY VAPOUR BARRIER COVER. NOTE: SOME ITEMS SHOULD BE TEMPORARILY REMOVED AND REINSTATED FROM BELOW AREA OF CONSTRUCTION. COORDINATE WITH UCDSB.
- FOR PROTECTION OF ALL MECHANICAL AND ELECTRICAL EQUIPMENT AND MATERIALS, PROVIDE TEMPORARY MIN. 6MIL POLY VAPOUR BARRIER COVER AND PLYWOOD SHROUD AS REQUIRED.
- FOR PROTECTION OF ROOF, REFER ALSO TO "MODIFIED BITUMEN ROOFING" SPECIFICATION.
- PROVIDE PROTECTION OF ALL MATERIALS AS REQUIRED NOT LISTED ABOVE.
- FACILITY PROTECTION: INTERIOR AND EXTERIOR OF FACILITY MUST BE FULLY SECURED AT ALL TIMES AND FULLY RESTRICT ANY UNAUTHORIZED ACCESS. ADDITIONALLY, INTERIOR AND EXTERIOR OF FACILITY MUST BE FULLY WEATHER PROTECTED AND REMAIN WATERTIGHT AT ALL TIMES FOR THE DURATION OF THE PROJECT. PRIME CONTRACTOR MUST INSTALL ALL TEMPORARY PROTECTIVE MEASURES AS REQUIRED FOR THE DURATION OF THE PROJECT.
- TEMPORARY WATERPROOFING: FACILITY MUST BE FULLY PROTECTED AND MUST REMAIN FULLY WATERTIGHT THROUGHOUT ALL PHASES OF THE WORK FOR THE DURATION OF THE PROJECT. PRIME CONTRACTOR MUST INSTALL ALL TEMPORARY MEASURES / WATERPROOFING AS REQUIRED TO MAINTAIN WATERTIGHTNESS THROUGHOUT ALL PHASES OF THE WORK FOR THE DURATION OF THE PROJECT. TEMPORARY WATERPROOFING MATERIALS, METHODS, PROCEDURES, ETC. ARE THE PRIME CONTRACTOR'S SOLE RESPONSIBILITY.
- ROOF ACCESS & STAGING / STORAGE: EXISTING SIPOREX & N.I.C. ROOF AREAS NOT BE USED FOR ANY TYPE OF PROJECT STORAGE OR STAGING. MATERIALS AT EXISTING SIPOREX ROOF AREAS TO BE HOISTED ON A DAILY BASIS AS REQUIRED. PRIME CONTRACTOR MAY ONLY USE N.I.C. ROOF AREAS FOR THE PURPOSE OF CONSTRUCTION ACCESS. ANY N.I.C. ROOF AREA USED FOR CONSTRUCTION ACCESS MUST BE FULLY PROTECTED FROM ALL TYPES OF TRAFFIC. PROTECTION TO CONSIST OF 19MM (3/4") PLYWOOD SHEATHING AND 50MM (2") EXTRUDED POLYSTYRENE INSULATION (XPS). NO EQUIPMENT, MATERIAL, PERSONNEL, ETC. MAY BE IN DIRECT CONTACT WITH THE EXISTING MEMBRANE SURFACE. ANY DAMAGE TO EXISTING ROOF MEMBRANES SHALL BE REPAIRED AT NO COST TO OWNER.

- SITE REVIEW & EVALUATION: PRIME CONTRACTOR AND THEIR CHOSEN SUB-CONTRACTOR(S) ARE FULLY RESPONSIBLE TO CAREFULLY REVIEW THE SITE AND SATISFY THEMSELVES OF ALL REQUIREMENTS TO COMPLETE THE PROJECT SCOPE OF WORK AS PER THE PROVIDED CONTRACT DOCUMENTS. ALL WORKS TO BE COMPLETED TO THE FULL SATISFACTION AND SOLE DISCRETION OF UCDSB/CONSULTANTS.
- THE PRIME CONTRACTOR MUST CAREFULLY EXAMINE THE CONTRACT DOCUMENTS (ALL DISCIPLINES) AND EACH LOCATION OF THE PROPOSED WORK. THE PRIME CONTRACTOR IS FULLY RESPONSIBLE TO VERIFY AND CONFIRM ALL DIMENSIONS AND SITE CONDITIONS PRIOR TO SUBMITTING A TENDER BID. ADDITIONALLY, THE PRIME CONTRACTOR IS FULLY RESPONSIBLE TO CO-ORDINATE AND CONFIRM ALL PROJECT WORKS AS PER THE CONTRACT DOCUMENTS (ALL DISCIPLINES) WITH SELECTED SUB-CONTRACTOR(S) TO ENSURE ALL PROJECT ELEMENTS AND REQUIREMENTS HAVE BEEN CONSIDERED, CO-ORDINATED & INCLUDED FOR WITHIN THE SUBMITTED TENDER BID. THE PRIME CONTRACTOR MAY NOT CLAIM, AFTER SUBMISSION OF THE TENDER BID, FOR ANY MISINTERPRETATIONS, ERRORS OR OMISSIONS WITH RESPECT TO THE CONDITIONS IMPOSED BY THE CONTRACT DOCUMENTS.
- CAREFULLY CO-ORDINATE ALL ROOFING WORKS AS NOTED HEREIN WITH THE ASSOCIATED CONTRACT DOCUMENTS OF ALL OTHER TRADES / DISCIPLINES.
- CO-ORDINATE INSTALLATION OF NEW SCUPPER LOCATIONS WITH ARCHITECT AND OWNER. REFER TO APPLICABLE DETAIL.
- COMPLETE ALL ROOFING RELATED ARCHITECTURAL, ELECTRICAL, MECHANICAL & STRUCTURAL INSTALLATIONS THROUGHOUT THE CONTRACT ROOF SECTIONS AS PER PROJECT ARCHITECTURAL, ELECTRICAL, MECHANICAL & STRUCTURAL DRAWINGS & SPECIFICATIONS. REFER TO APPLICABLE ROOFING DETAILS.
- REPLACE / INSTALL ALL MECHANICAL: CURBS, SLEEPERS, PENETRATIONS, ETC. THROUGHOUT THE CONTRACT ROOF SECTIONS AS INDICATED. REFER TO APPLICABLE DETAILS.
- ELECTRICAL/MECHANICAL CONNECTIONS THAT EXIT ROOF SYSTEM EXTERNALLY MUST BE TERMINATED THROUGH A SEPARATE "PIPE ENCLOSURE" DETAIL. REFER TO APPLICABLE DETAIL. SUPPLY AND INSTALL NEW PIPE ENCLOSURE DETAIL WITHIN ALL REQUIRED LOCATIONS AS PER MECHANICAL ENGINEER. REFER TO PROJECT MECHANICAL & ELECTRICAL DRAWINGS. REFER TO APPLICABLE ROOFING DETAIL. INCREASE PIPE ENCLOSURE HEIGHT AS REQUIRED BY MECHANICAL ENGINEER TO ACCOMMODATE WORK OF OTHER DISCIPLINES.
- STAGING AREA: PRIME CONTRACTOR TO SET-UP ALL REQUIRED TEMPORARY FENCING TO COMPLETELY ENCLOSE AND SECURE THE SET-UP/STAGING/HOISTING AREA. PRIME CONTRACTOR IS FULLY RESPONSIBLE FOR THE SAFETY AND SECURITY OF THIS AREA. IF EQUIPMENT (I.E. MECHANICAL UNITS) ARE TO BE STORED WITHIN THIS AREA, PRIME CONTRACTOR MUST ENSURE ALL ITEMS ARE SECURED AND SAFE FROM THEFT, VANDALISM, ETC.
- INTERIOR PROTECTION: PRIME CONTRACTOR TO SUPPLY AND INSTALL ALL REQUIRED INTERIOR PROTECTION BELOW ALL ROOF AREAS TO ENSURE FULL AND COMPLETE SHELTER OF ALL INTERIOR ITEMS AND SURFACES. PRIME CONTRACTOR TO MOVE/RE-LOCATE ALL INTERIOR ITEMS (I.E. FURNITURE, EQUIPMENT, FIXTURES, ELECTRONICS, ETC.) TO COMPLETE THE INTERIOR PROTECTION. PRIME CONTRACTOR TO COMPLETE FULL INTERIOR CLEAN-UP UPON COMPLETION OF ROOFING OPERATIONS AND RETURN ALL ITEMS TO ORIGINAL LOCATIONS AND CONDITION.
- DISCONNECT, LIFT (VIA CRANE OR BOOM TRUCK) AND RE-CONNECT ANY AND ALL ROOF TOP EQUIPMENT AS WELL AS ALL OTHER EQUIPMENT, LINES (GAS, REFRIGERATION, COMMUNICATION, ELECTRICAL) AND ELECTRICAL REQUIREMENTS FOR THIS PROJECT. SUPPLY PLYWOOD AND EXTRUDED POLYSTYRENE INSULATION FOR THE TEMPORARY ROOF TOP STORAGE OF THE ROOF TOP UNITS, WHILE THE WATERPROOFING IS BEING COMPLETED. ALSO SUPPLY PLYWOOD AND TARPS FOR THE TEMPORARY WATERPROOFING OF OPEN CURBS AND DUCTS.
- THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT HEATING IS MAINTAINED THROUGHOUT THE SCHOOL. IN THE EVENT THAT HEAT IS NOT AVAILABLE FOR ANY REASON, THE CONTRACTOR MUST PROVIDE TEMPORARY HEATING TO MAINTAIN TEMPERATURES ABOVE 18°C AT NO ADDITIONAL COST TO THE OWNER.

NOTE: ALL EXISTING SYSTEMS ARE TO BE MAINTAINED AND ENSURED TO BE FULLY FUNCTIONAL AT THE END OF EACH PHASE. REFER TO MECHANICAL, ELECTRICAL & STRUCTURAL DRAWINGS FOR PROTECTION CONTROLS INFORMATION FOR SPECIFIC AREAS AND/OR ELEMENTS.



1 KEY PLAN - OVERALL BUILDING
SCALE: 1:400



2 ENLARGED PLAN - OVERALL PHASING
SCALE: 1:150

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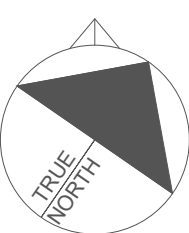
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KEYPLAN:

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PROJECT

PINEVIEW PS - RAAC REPLACEMENT & ACCESSIBILITY UPGRADES

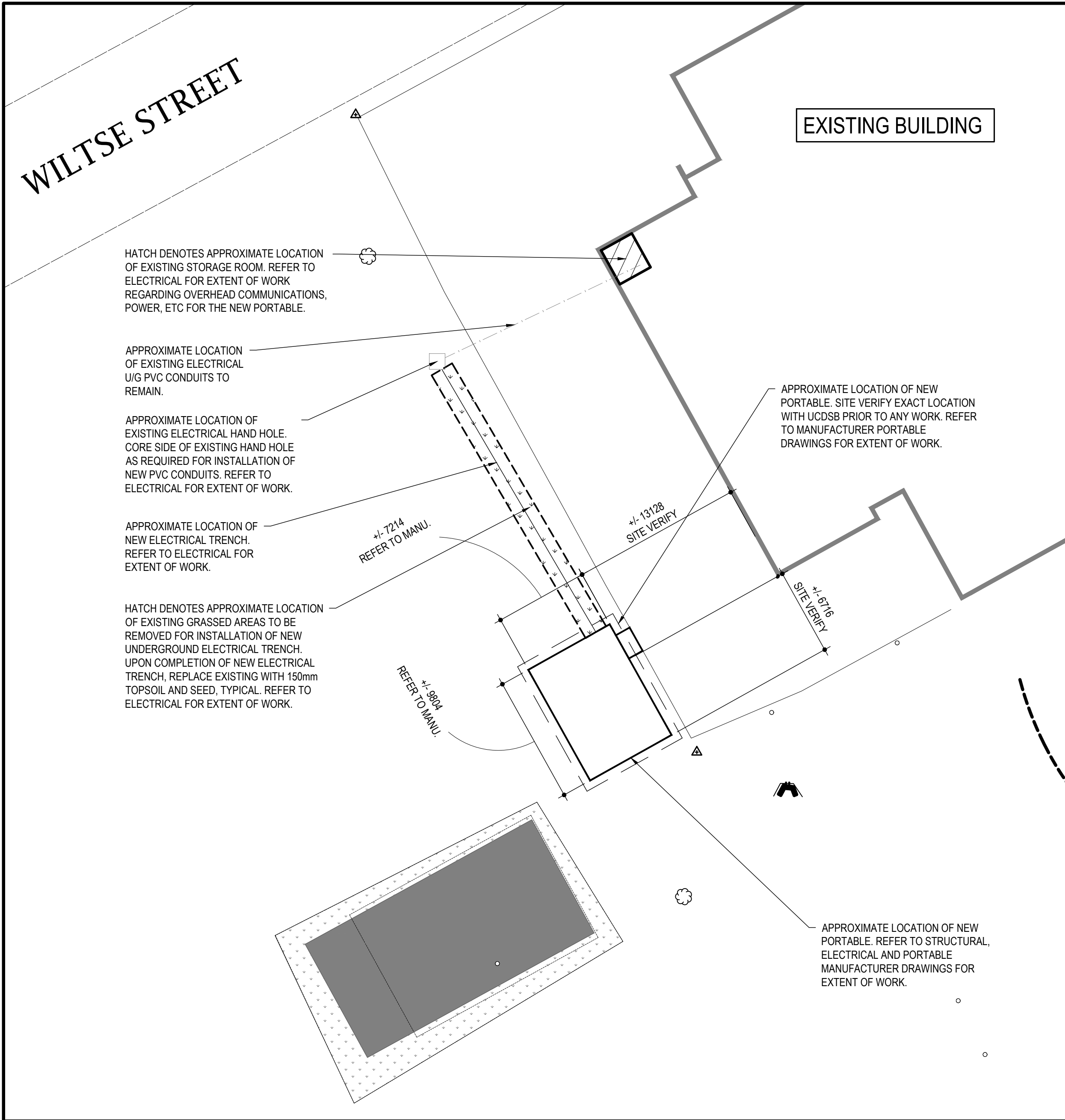
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GENERAL CONSTRUCTION PHASING

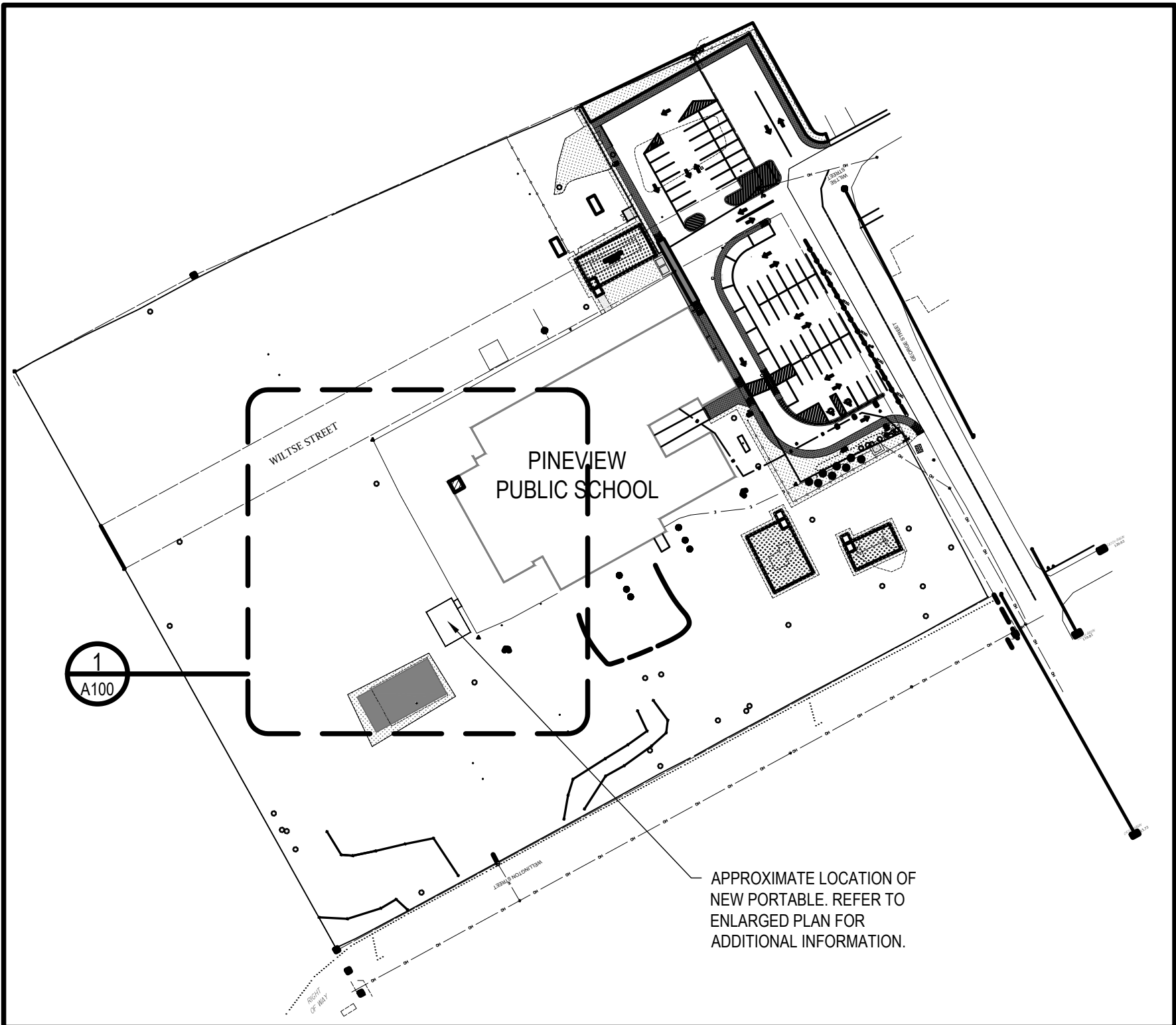
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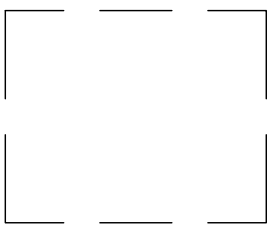


1 RENOVATION - ENLARGED SITE PLAN
A100 SCALE: 1:250

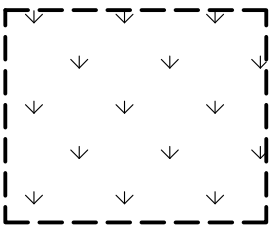


2 RENOVATION - KEYPLAN
A100 SCALE: 1:1250

SYMBOLS LEGEND:



DASHED LINE DENOTE APPROXIMATE EXTENT OF NEW GRANULAR BED/ASSEMBLY. PROVIDE ADDITIONAL GRANULAR 'A' AS REQUIRED TO OBTAIN LEVEL SURFACE AREA PRIOR TO INSTALLATION OF FOUNDATION. ENSURE COMPACTION 100% SPDD. REFER TO PORTABLE DRAWINGS AND STRUCTURAL DRAWINGS FOR EXTENT OF WORK.



HATCH DENOTES APPROXIMATE LOCATION EXISTING GRASS AREA TO BE REPLACED UPON COMPLETION OF NEW UNDERGROUND ELECTRICAL TRENCH. REFER TO ENLARGED PLAN FOR EXTENT OF WORK

GENERAL SITE NOTES:

- ALL WORK TO COMPLY WITH THE LATEST ONTARIO BUILDING CODE, ONTARIO CONSTRUCTION SAFETY ACT, LOCAL CODES AND BYLAWS, AND OTHER APPLICABLE REQUIREMENTS.
- DO NOT SCALE DRAWINGS.
- VERIFY ALL LINES, LEVELS, AND CENTERS ON SITE, PRIOR TO PROCEEDING WITH THE WORK. ENSURE THAT ALL DIMENSIONS AGREE WITH THE DRAWINGS AND THEIR CORRECT INTERRELATION. REPORT ANY DISCREPANCIES TO THE CONSULTANT.
- PRIOR TO START OF CONSTRUCTION, PROVIDE LOCATES FOR ALL UNDERGROUND SITE SERVICES AND CONFIRM LOCATIONS AND ANY DISCREPANCIES TO OWNER, PRIOR TO CONSTRUCTION.
- ANY DAMAGE TO EXISTING SURFACES THAT IS TO REMAIN IS TO BE REPLACED AT NO COST TO OWNER. PROVIDE 150mm THK TOP SOIL AND SOD TO ANY DAMAGED GRASSED AREAS AS A RESULT OF CONSTRUCTION. LIKE WISE, PROVIDE COMPACTED GRANULAR BASE AND ASPHALT, THICKNESS TO MATCH EXISTING FOR ANY DAMAGED ASPHALT AREAS.
- FOR EXCAVATION/FOUNDATION AND/OR BUILDING ASSEMBLIES INCLUDING ELECTRICAL SYSTEMS, REFER TO PORTABLE DRAWINGS.
- REFER TO ELECTRICAL DRAWINGS FOR EXTENT OF ELECTRICAL WORK.
- REFER TO STRUCTURAL DRAWINGS FOR EXTENT OF WORK.

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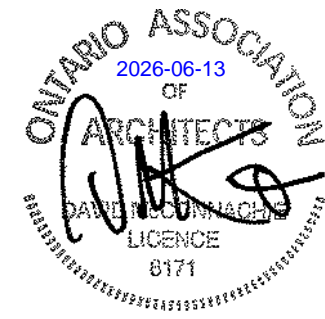
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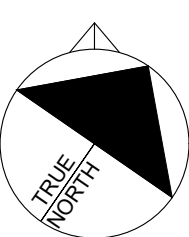
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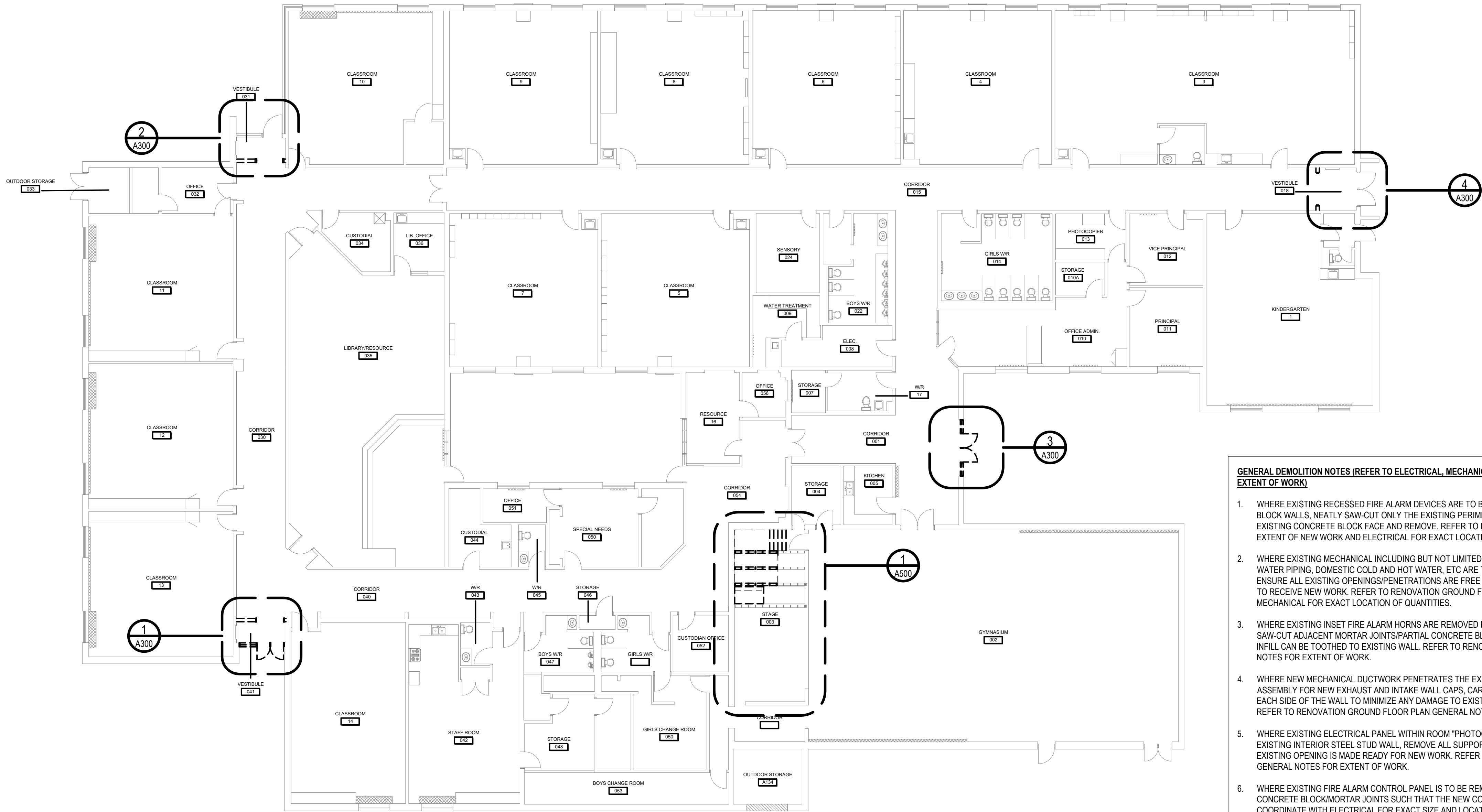
**PINEVIEW PS - RAAC
REPLACEMENT &
ACCESSIBILITY
UPGRADES**

DRAWING TITLE

**OVERALL SITE PLAN
- NEW PORTABLE
INSTALLATION**

DRAWING NO.

A100



1 DEMOLITION - GROUND FLOOR PLAN
SCALE: 1:150

WHERE EXISTING RAAC/SIPOREX CONCRETE ROOF SYSTEMS AND INTERIOR BLOCK WALLS ARE TO BE PARTIALLY REMOVED FOR NEW WORK, CONTRACTOR TO PROVIDE ABATEMENT SERVICES DONE BY A REGISTERED CONTRACTOR. TYPICAL FOR ALL DEMOLITION THROUGHOUT PROJECT. REFER TO DESIGNATED HAZARDOUS SUBSTANCE REPORT FOR ADDITIONAL INFORMATION.

GENERAL DEMOLITION NOTES (REFER TO ELECTRICAL, MECHANICAL & STRUCTURAL FOR LOCATION AND EXTENT OF WORK)

- WHERE EXISTING RECESSED FIRE ALARM DEVICES ARE TO BE REMOVED FROM EXISTING CONCRETE BLOCK WALLS, NEATLY SAW-CUT ONLY THE EXISTING PERIMETER OF THE MORTAR JOINTS OF THE ONE EXISTING CONCRETE BLOCK FACE AND REMOVE. REFER TO RENOVATION GROUND FLOOR PLAN FOR EXTENT OF NEW WORK AND ELECTRICAL FOR EXACT LOCATIONS AND QUANTITIES.
- WHERE EXISTING MECHANICAL INCLUDING BUT NOT LIMITED TO: DUCTWORK, REFRIGERATE LINES, STORM WATER PIPING, DOMESTIC COLD AND HOT WATER, ETC ARE TO BE REMOVED FOR INSTALLATION OF NEW, ENSURE ALL EXISTING OPENINGS/PENETRATIONS ARE FREE OF SEALANTS, INSULATIONS, ETC IN ORDER TO RECEIVE NEW WORK. REFER TO RENOVATION GROUND FLOOR PLAN FOR EXTENT OF NEW WORK AND MECHANICAL FOR EXACT LOCATION OF QUANTITIES.
- WHERE EXISTING INSET FIRE ALARM HORNS ARE REMOVED FROM EXISTING CONCRETE BLOCK WALLS, SAW-CUT ADJACENT MORTAR JOINTS/PARTIAL CONCRETE BLOCKS SUCH THAT NEW CONCRETE BLOCK INFILL CAN BE TOOTHED TO EXISTING WALL. REFER TO RENOVATION GROUND FLOOR PLAN GENERAL NOTES FOR EXTENT OF WORK.
- WHERE NEW MECHANICAL DUCTWORK PENETRATES THE EXISTING OFFICE/ADMIN EXTERIOR WALL ASSEMBLY FOR NEW EXHAUST AND INTAKE WALL CAPS, CAREFULLY CORE 50% OF THE PENETRATION ON EACH SIDE OF THE WALL TO MINIMIZE ANY DAMAGE TO EXISTING INTERIOR AND EXTERIOR MASONRY. REFER TO RENOVATION GROUND FLOOR PLAN GENERAL NOTES FOR EXTENT OF WORK.
- WHERE EXISTING ELECTRICAL PANEL WITHIN ROOM "PHOTOCOPIER 013" IS TO BE REMOVED FROM EXISTING INTERIOR STEEL STUD WALL, REMOVE ALL SUPPORTS, FASTENERS, TRIM, ETC SUCH THAT THE EXISTING OPENING IS MADE READY FOR NEW WORK. REFER TO RENOVATION GROUND FLOOR PLAN GENERAL NOTES FOR EXTENT OF WORK.
- WHERE EXISTING FIRE ALARM CONTROL PANEL IS TO BE REMOVED, NEATLY SAW-CUT/TOOTH EXISTING CONCRETE BLOCK/MORTAR JOINTS SUCH THAT THE NEW CONCRETE BLOCK INFILL CAN BE INSTALLED, COORDINATE WITH ELECTRICAL FOR EXACT SIZE AND LOCATION OF PANEL PRIOR TO SAW-CUTTING. ENSURE NEW CONCRETE BLOCK IS FLUSH AND EVEN WITH EXISTING ADJACENT CONCRETE BLOCK SURFACES, PRIME AND PAINT WALL TO MATCH EXISTING COLOUR, TYPICAL. WHERE NEW FIRE ALARM CONTROL PANEL IS TO BE INSTALLED, NEATLY SAW-CUT EXISTING CONCRETE BLOCK WALL FOR INSTALLATION OF NEW PANEL. REFER TO ELECTRICAL FOR EXACT SIZE AND LOCATION OF NEW PANEL.
- WHERE EXISTING WALL MOUNTED MECHANICAL/ELECTRICAL EQUIPMENT IS TO BE REMOVED AND REPLACED OR REMOVED AND REINSTALLED, ENSURE EXISTING WALL SURFACE IS FREE OF ALL FASTENERS, SUPPORTS, ETC SUCH THAT THE EXISTING WALL SURFACE CAN BE REPAINTED PRIOR TO INSTALLATION OF NEW. REFER TO RENOVATION GROUND FLOOR PLAN GENERAL NOTES FOR EXTENT OF WORK.
- WHERE EXISTING STRUCTURAL STEEL FRAMING IS TO BE REMOVED FROM EXISTING CONCRETE BLOCK WALLS, SAW-CUT EXISTING CONCRETE BLOCK WALLS SUCH THAT NEW NEW CONCRETE BLOCK INFILL CAN BE TOOTHED TO EXISTING, TYP. REFER TO RENOVATION GROUND FLOOR PLAN GENERAL NOTES FOR EXTENT OF WORK AND STRUCTURAL FOR EXACT LOCATION AND QUANTITY OF REMOVALS.

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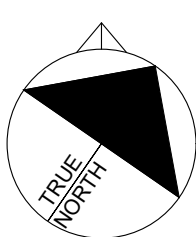
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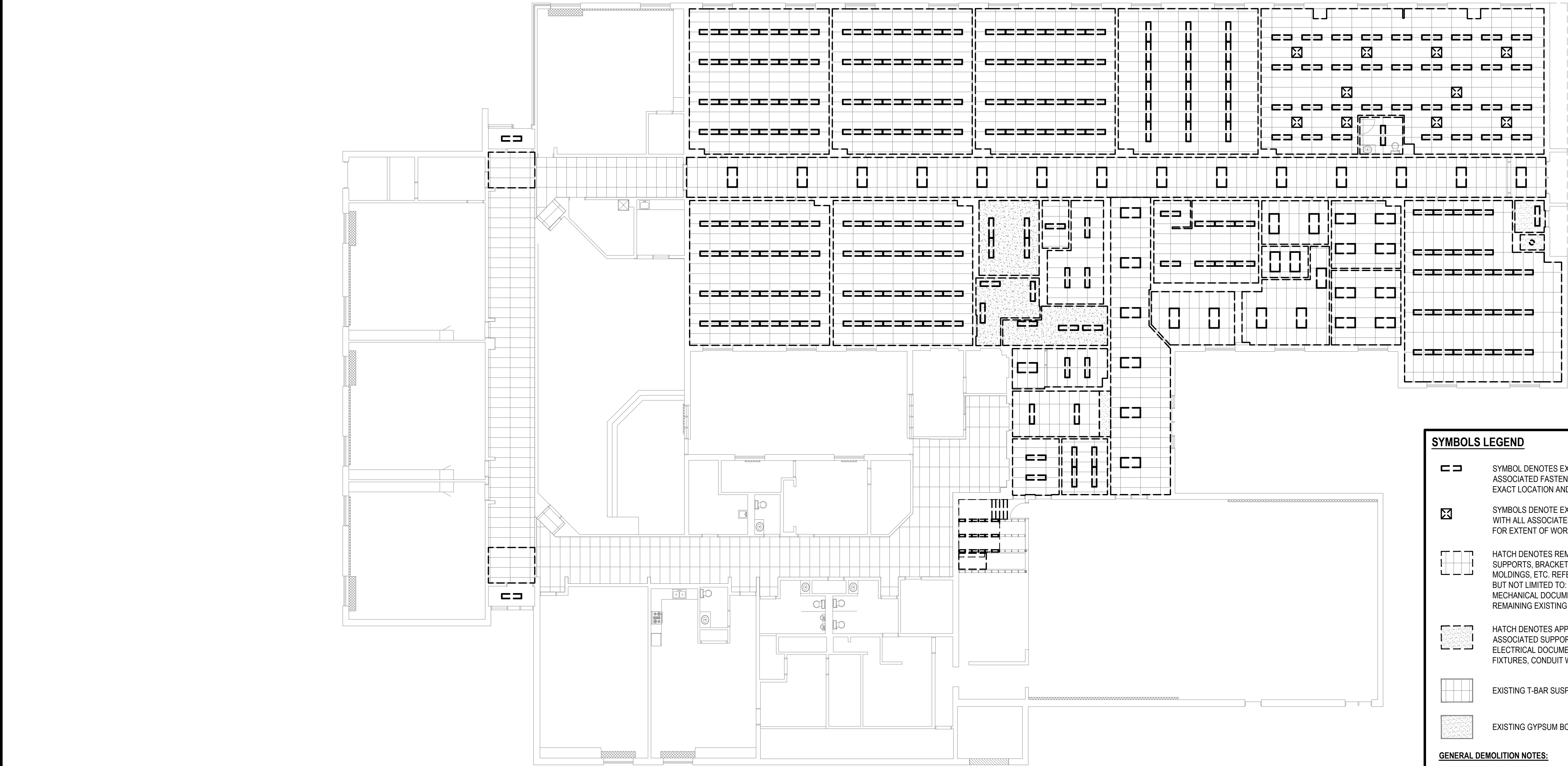
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DEMOLITION - GROUND FLOOR PLAN

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

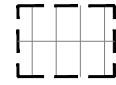

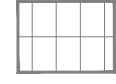

D200

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DEMOLITION - GROUND FLOOR PLAN RCP
SCALE: 1:150

SYMBOLS LEGEND

-  SYMBOL DENOTES EXISTING CEILING MOUNTED LIGHT FIXTURES ALONG WITH ASSOCIATED FASTENERS, SUPPORTS, ETC TO BE REMOVED. REFER TO ELECTRICAL FOR EXACT LOCATION AND QUANTITIES.
-  SYMBOLS DENOTE EXISTING SUPPLY AND RETURN DIFFUSERS TO BE REMOVED ALONG WITH ALL ASSOCIATED FASTENERS, SUPPORTS, ETC. REFER TO MECHANICAL DRAWINGS FOR EXTENT OF WORK.
-  HATCH DENOTES REMOVAL OF EXISTING LAY-IN CEILING TILE c/w ALL ASSOCIATED SUPPORTS, BRACKETS, FASTENERS, PERIMETER TRIM, MAIN T-BAR, CROSS T'S AND MOLDINGS, ETC. REFER TO ELECTRICAL DOCUMENTS FOR REMOVALS OF INCLUDING BUT NOT LIMITED TO: LIGHT FIXTURES, CONDUIT WIRING, ETC. REFER TO MECHANICAL DOCUMENTS FOR DUCTWORK, GRILLES, DIFFUSERS, ETC. PREPARE REMAINING EXISTING SURFACES READY TO RECEIVE NEW CEILING.
-  HATCH DENOTES APPROXIMATE LOCATION OF EXISTING GYPSUM BOARD CEILING C/W ASSOCIATED SUPPORTS TO BE REMOVED AND REPLACED WITH NEW. REFER TO ELECTRICAL DOCUMENTS FOR REMOVALS OF INCLUDING BUT NOT LIMITED TO: LIGHT FIXTURES, CONDUIT WIRING, ETC. REFER TO RENOVATION RCP FOR EXTENT OF WORK.
-  EXISTING T-BAR SUSPENSION SYSTEM TO REMAIN
-  EXISTING GYPSUM BOARD CEILING TO REMAIN

GENERAL DEMOLITION NOTES:

- WHERE NEW FIRE ALARM DEVICES ARE REQUIRED TO BE INSTALLED WITHIN EXISTING T-BAR CEILINGS OUTSIDE OF THE RAAC/SIPOREX ROOF REPLACEMENT AREAS, REMOVE AND REPLACE THE EXISTING TILE WITH NEW. WHERE NEW DEVICES ARE LOCATED IN THE SAME CEILING TILE AS AN EXISTING FIRE ALARM DEVICE THAT IS REQUIRED TO BE REMOVED AS PER THE ELECTRICAL DOCUMENTS, TEMPORARILY INSTALL THE NEW FIRE ALARM DEVICE WITHIN THE EXISTING CEILING TILE. ONCE ALL NEW DEVICES HAVE BEEN INSTALLED THROUGHOUT THE BUILDING AND ARE SWITCHED OVER FROM THE EXISTING SYSTEM TO THE NEW, THE EXISTING CEILING TILE CAN BE REMOVED AND REPLACED WITH NEW.

NOTE: ALL EXISTING ELECTRICAL AND MECHANICAL EQUIPMENT THAT IS TO BE REMOVED AND REPLACED AS PER THE CONTRACT DOCUMENTS ARE TO BE HANDED OVER TO UCDSB UPON COMPLETION OF PROJECT.

WHERE EXISTING RAAC/SIPOREX CONCRETE ROOF SYSTEMS AND INTERIOR BLOCK WALLS ARE TO BE PARTIALLY REMOVED FOR NEW WORK, CONTRACTOR TO PROVIDE ABATEMENT SERVICES DONE BY A REGISTERED CONTRACTOR. TYPICAL FOR ALL DEMOLITION THROUGHOUT PROJECT. REFER TO DESIGNATED HAZARDOUS SUBSTANCE REPORT FOR ADDITIONAL INFORMATION.

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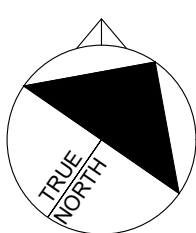
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25mm

NORTH ARROW:



DIGITAL REFERENCE:

PROJECT NO.: CA0047030.1082 CONTRACT NO. 26-075

DRAWN BY: LA CHECKED BY: AB APPROVED BY: DM

KEYPLAN:

4 2026-05-13 ISSUED FOR TENDER/PERMIT
NO. DATE ISSUED
PROJECT

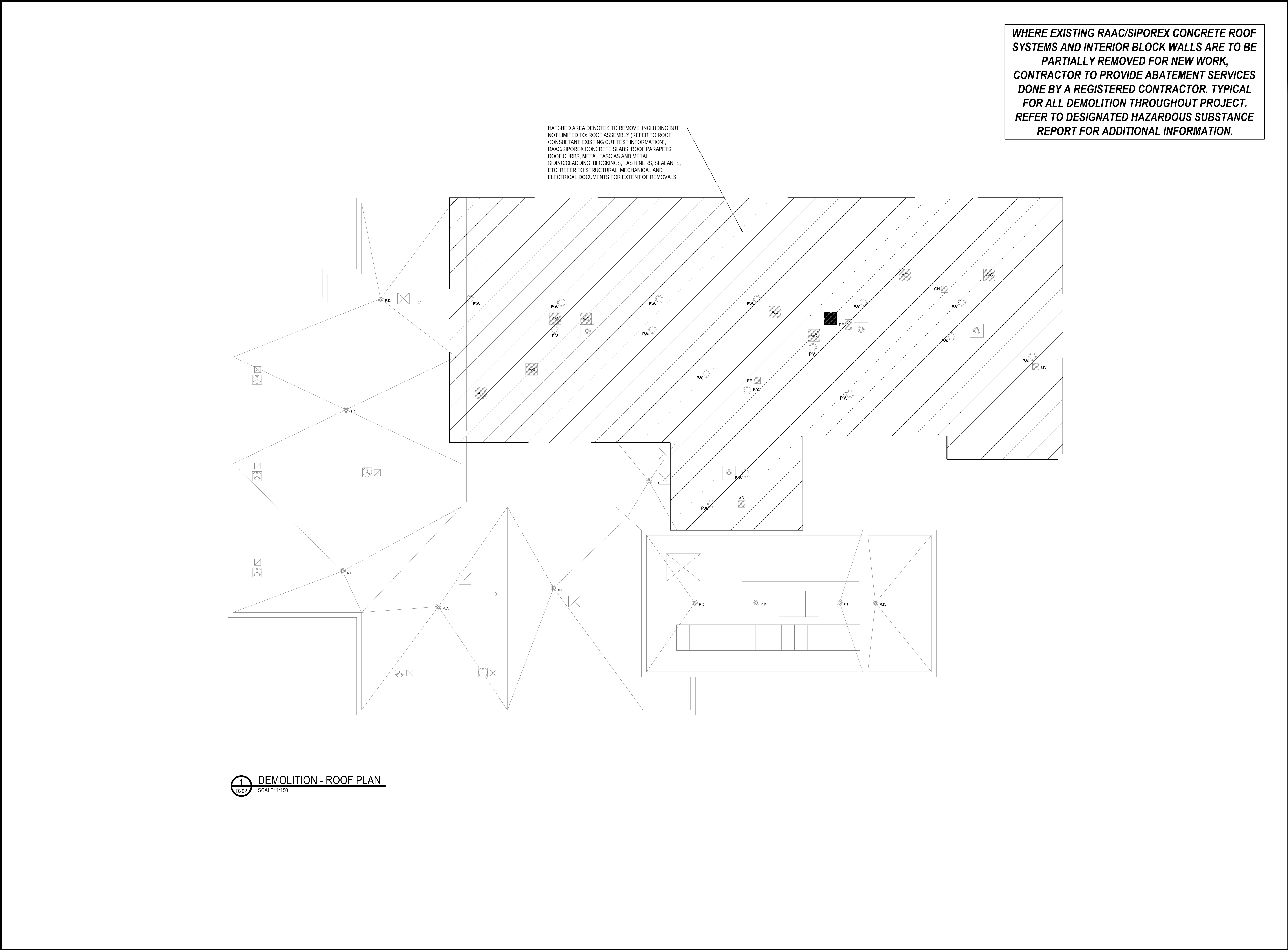
PINEVIEW PS - RAAC REPLACEMENT & ACCESSIBILITY UPGRADES

DRAWING TITLE

DEMOLITION - GROUND FLOOR PLAN RCP

DRAWING NO.

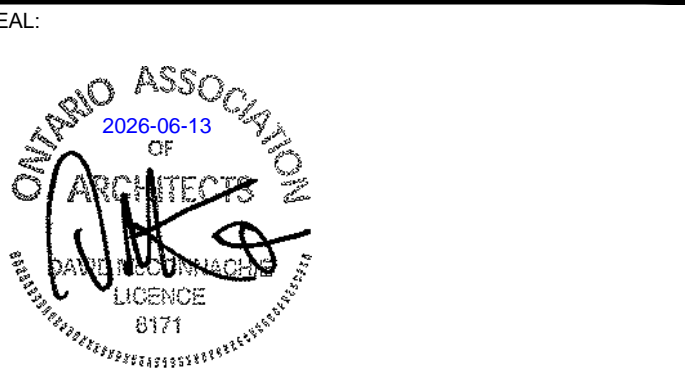
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WHERE EXISTING RAAC/SIPOREX CONCRETE ROOF SYSTEMS AND INTERIOR BLOCK WALLS ARE TO BE PARTIALLY REMOVED FOR NEW WORK, CONTRACTOR TO PROVIDE ABATEMENT SERVICES DONE BY A REGISTERED CONTRACTOR. TYPICAL FOR ALL DEMOLITION THROUGHOUT PROJECT. REFER TO DESIGNATED HAZARDOUS SUBSTANCE REPORT FOR ADDITIONAL INFORMATION.

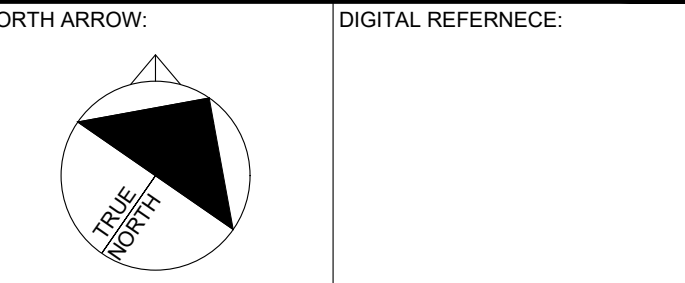


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PROJECT

PINEVIEW PS - RAAC REPLACEMENT & ACCESSIBILITY UPGRADES

DRAWING TITLE

DEMOLITION - ROOF PLAN

DRAWING NO. D202



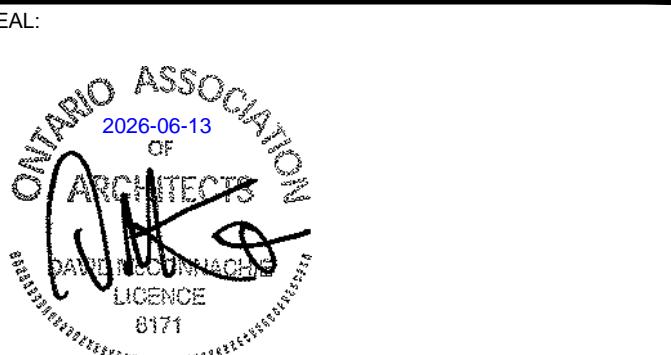
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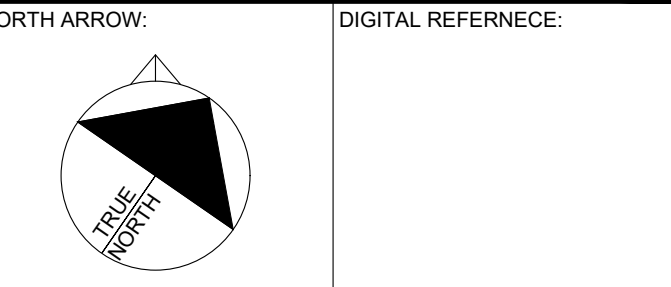
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PROJECT NO.: CA0047030.1082 CONTRACT NO. 26-075
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KEYPLAN:

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NO. DATE ISSUED
PROJECT

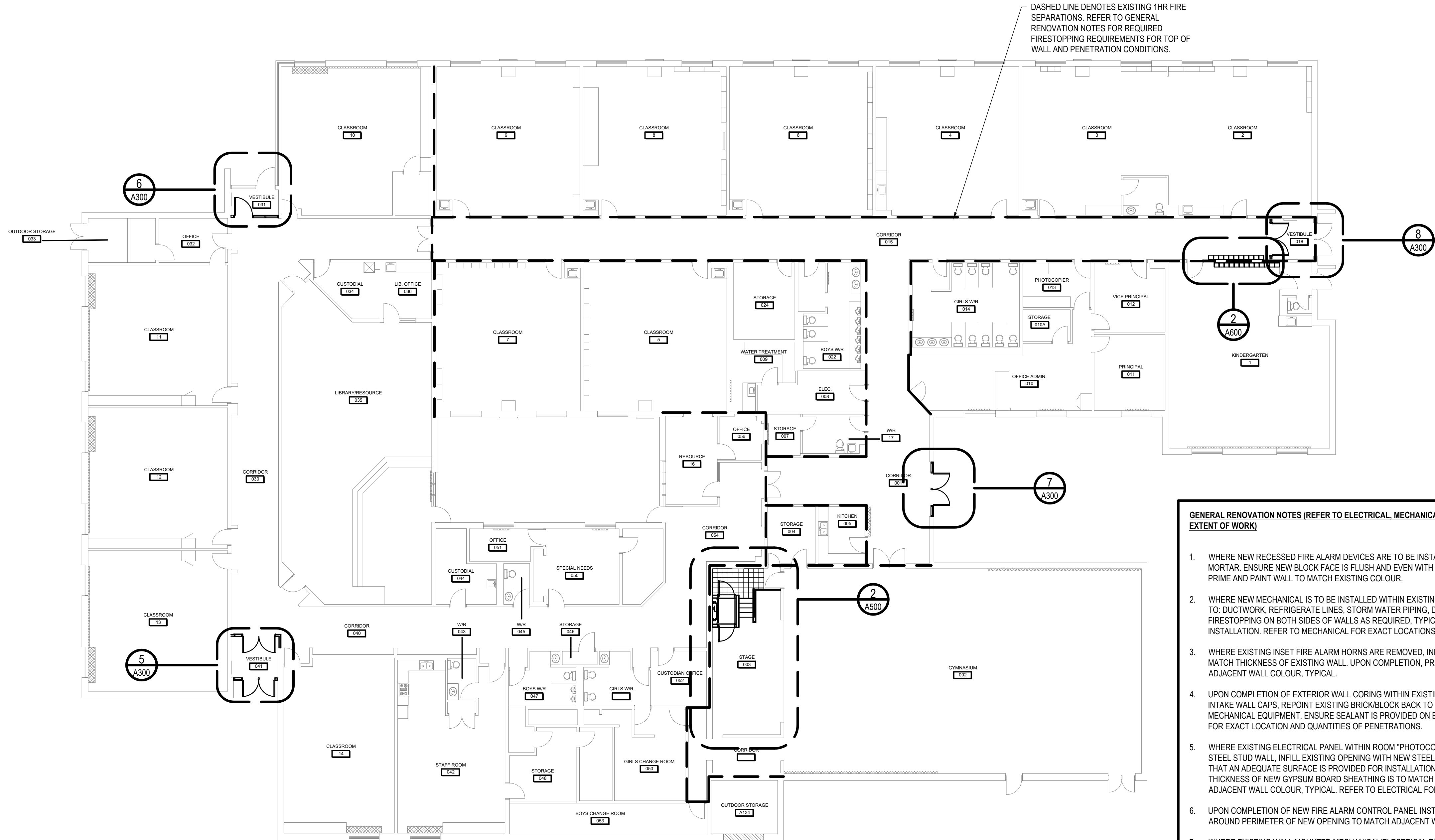
PINEVIEW PS - RAAC REPLACEMENT & ACCESSIBILITY UPGRADES

DRAWING TITLE

RENOVATION - GROUND FLOOR PLAN

DRAWING NO. **A200**

PRINT DATE: 3/14/2024 9:43:57 AM



1 RENOVATION - GROUND FLOOR PLAN SCALE: 1:150

GENERAL RENOVATION NOTES (REFER TO ELECTRICAL, MECHANICAL & STRUCTURAL FOR LOCATION AND EXTENT OF WORK)

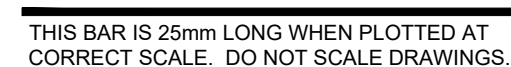
- WHERE NEW RECESSED FIRE ALARM DEVICES ARE TO BE INSTALLED, PROVIDE A NEW CONCRETE BLOCK FACE WITH MORTAR. ENSURE NEW BLOCK FACE IS FLUSH AND EVEN WITH EXISTING ADJACENT CONCRETE BLOCK SURFACES, PRIME AND PAINT WALL TO MATCH EXISTING COLOUR.
- WHERE NEW MECHANICAL IS TO BE INSTALLED WITHIN EXISTING OPENINGS/PENETRATIONS, INCLUDING BUT NOT LIMITED TO: DUCTWORK, REFRIGERATE LINES, STORM WATER PIPING, DOMESTIC COLD AND HOT WATER, ETC, PROVIDE NEW FIRESTOPPING ON BOTH SIDES OF WALLS AS REQUIRED, TYPICAL. SHOP DRAWINGS TO BE PROVIDED PRIOR TO INSTALLATION. REFER TO MECHANICAL FOR EXACT LOCATIONS OF NEW WORK.
- WHERE EXISTING INSET FIRE ALARM HORNS ARE REMOVED, INFILL EXISTING OPENING WITH NEW CONCRETE BLOCK TO MATCH THICKNESS OF EXISTING WALL. UPON COMPLETION, PRIME AND PAINT AN AREA OF 600X600MM TO MATCH ADJACENT WALL COLOUR, TYPICAL.
- UPON COMPLETION OF EXTERIOR WALL CORING WITHIN EXISTING OFFICE/ADMIN AREA FOR THE NEW EXHAUST AND INTAKE WALL CAPS, REPOINT EXISTING BRICK/BLOCK BACK TO ORIGINAL CONDITION PRIOR TO INSTALLATION OF MECHANICAL EQUIPMENT. ENSURE SEALANT IS PROVIDED ON BOTH SIDES OF PENETRATION. REFER TO MECHANICAL FOR EXACT LOCATION AND QUANTITIES OF PENETRATIONS.
- WHERE EXISTING ELECTRICAL PANEL WITHIN ROOM "PHOTOCOPIER 013" IS TO BE REMOVED FROM EXISTING INTERIOR STEEL STUD WALL, INFILL EXISTING OPENING WITH NEW STEEL STUD BLOCKING BETWEEN VERTICAL STEEL STUDS SUCH THAT AN ADEQUATE SURFACE IS PROVIDED FOR INSTALLATION OF NEW TYPE 'X' GYPSUM BOARD SHEATHING. THICKNESS OF NEW GYPSUM BOARD SHEATHING IS TO MATCH EXISTING. TAPE, PLASTER, PRIME AND PAINT TO MATCH ADJACENT WALL COLOUR, TYPICAL. REFER TO ELECTRICAL FOR EXACT LOCATION AND EXTENT OF WORK.
- UPON COMPLETION OF NEW FIRE ALARM CONTROL PANEL INSTALLATION, PRIME AND PAINT AN AREA OF 600X600mm AROUND PERIMETER OF NEW OPENING TO MATCH ADJACENT WALL COLOUR, TYPICAL.
- WHERE EXISTING WALL MOUNTED MECHANICAL/ELECTRICAL EQUIPMENT IS TO BE REMOVED AND REPLACED OR REMOVED AND REINSTALLED, EXISTING WALL SURFACE IS TO BE PRIMED AND PAINTED A MINIMUM OF 600X600MM AROUND LOCATION OF EQUIPMENT TO MATCH ADJACENT WALL COLOUR, TYPICAL. REFER TO MECHANICAL AND ELECTRICAL FOR EXACT LOCATION AND QUANTITY OF NEW WALL MOUNTED EQUIPMENT.
- WHERE EXISTING STRUCTURAL STEEL HAS BEEN REMOVED FROM CONCRETE BLOCK WALLS, INFILL EXISTING OPENING WITH NEW CONCRETE BLOCK TO MATCH EXISTING WALL THICKNESS. WHERE CONCRETE BLOCK IS EXPOSED, PRIME AND PAINT A MINIMUM OF 600X600mm AROUND INFILL TO MATCH EXISTING WALL COLOUR, TYPICAL.
- WHERE NEW STRUCTURAL STEEL PENETRATES/OVERLAPS EXISTING EXTERIOR WALLS, PROVIDE INSULATION AS REQUIRED. FOR METAL DECKING, PROVIDE SPRAY FOAM INSULATION BETWEEN DECK FLUTES ALONG ENTIRE LENGTH OF OVERHANGS. FOR HOLLOW STEEL SECTIONS, DRILL 25mm DIA. HOLES @ 300mm O.C. AND FILL HOLLOW STEEL SECTION WITH POUR-IN-PLACE INSULATION. ENSURE INSULATION CONTINUES A MINIMUM OF 1220mm INTO EXISTING BUILDING. FOR W-BEAMS, PROVIDE MINIMUM 50mm RIGID INSULATION AROUND ENTIRE PERIMETER OF BEAM FROM END OF BEAM TO A MINIMUM OF 1220mm INTO EXISTING BUILDING. REFER TO STRUCTURAL FOR EXACT LOCATIONS.
- WHERE NEW STRUCTURAL STEEL METAL DECKING OVERLAPS EXISTING INTERIOR FIRE SEPARATIONS, FILL VOIDS BETWEEN DECK FLUTES AND TOP OF WALL WITH MINERAL WOOL BATT INSULATION FLUSH WITH FACE OF INTERIOR WALL ON BOTH SIDES. COVER INSULATION SURFACES WITH MIN 3mm SPRAY APPLIED FIRESTOPPING. REFER TO RENOVATION GROUND FLOOR PLAN FOR EXACT LOCATION OF EXISTING FIRE SEPARATIONS.
- UPON COMPLETION OF EACH PHASE, ENSURE GAPS, VOIDS, ETC AT TOP OF EXISTING BLOCK WALL FIRE SEPARATIONS ARE INFILLED WITH NEW CONCRETE BLOCK UNITS. CUT AND COPE BLOCK TO FIT AS REQUIRED. INSTALL FIRESTOPPING WITHIN FIRE-RATED WALLS AND TOP OF WALLS. REFER TO "GENERAL DEMOLITION NOTES", NOTE NO. 5 FOR LOCATION OF FIRE SEPARATIONS.

ARCHITECTURE 49

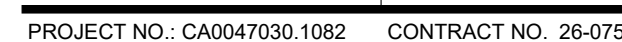
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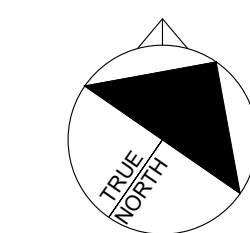
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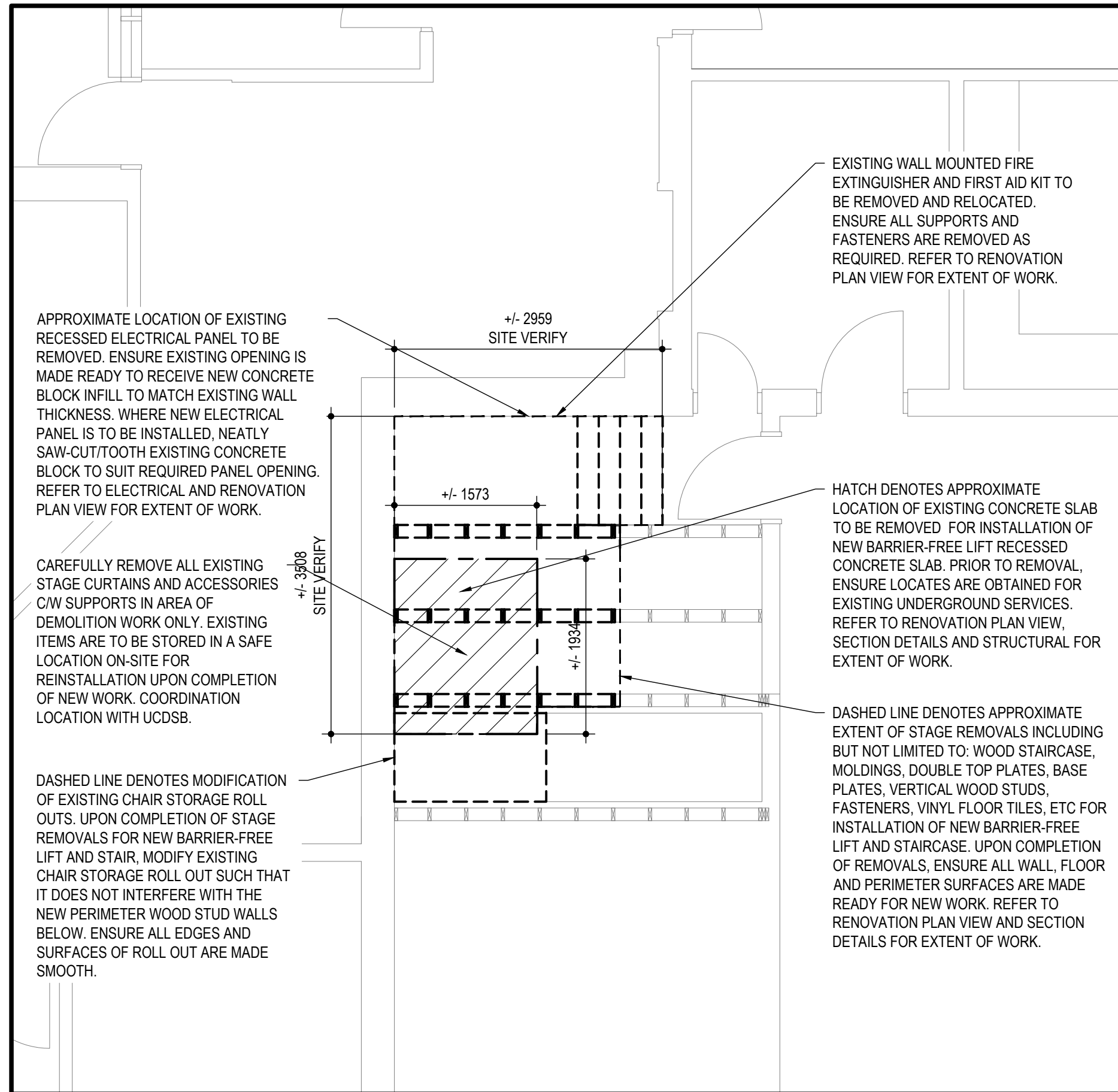
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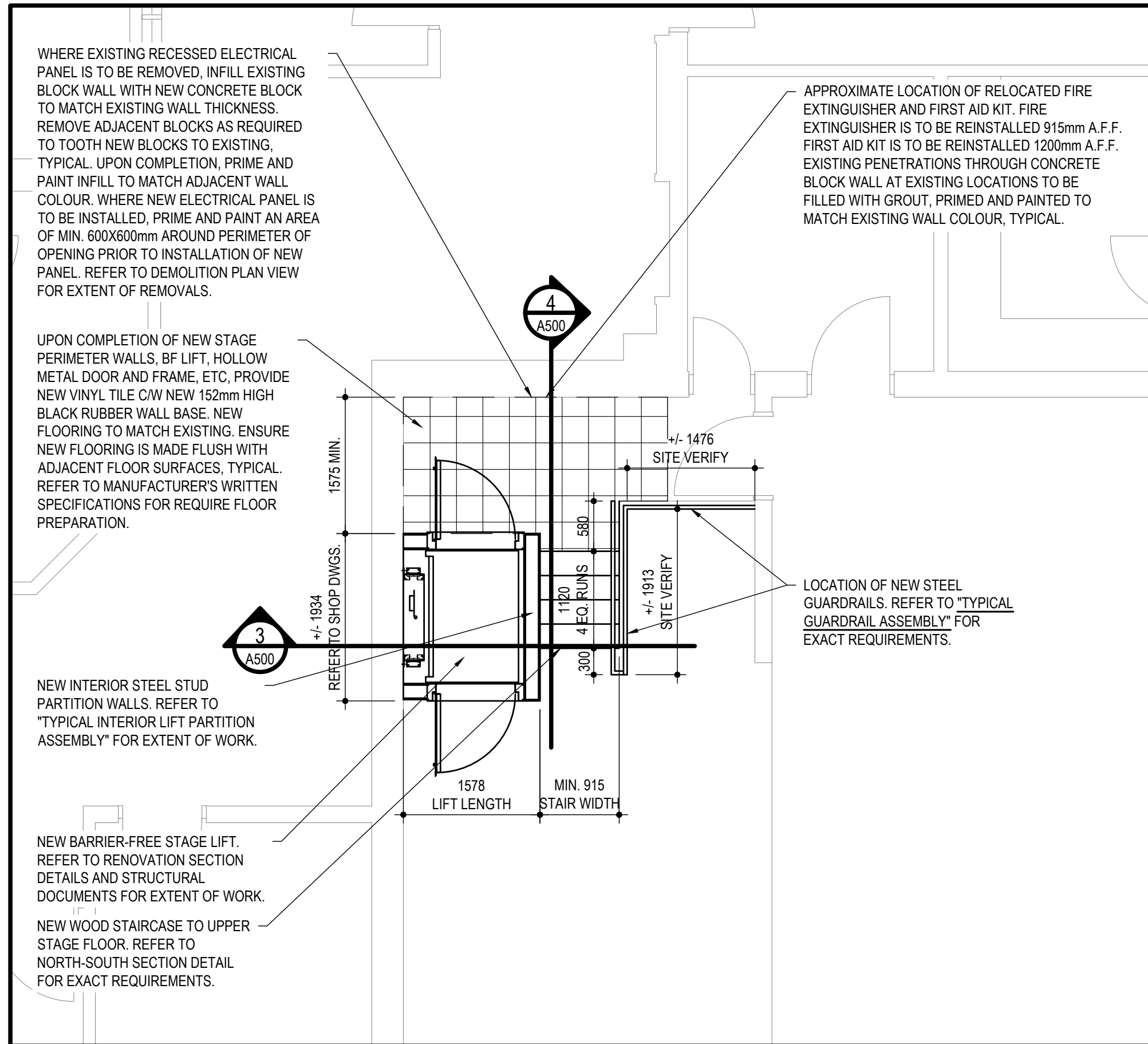


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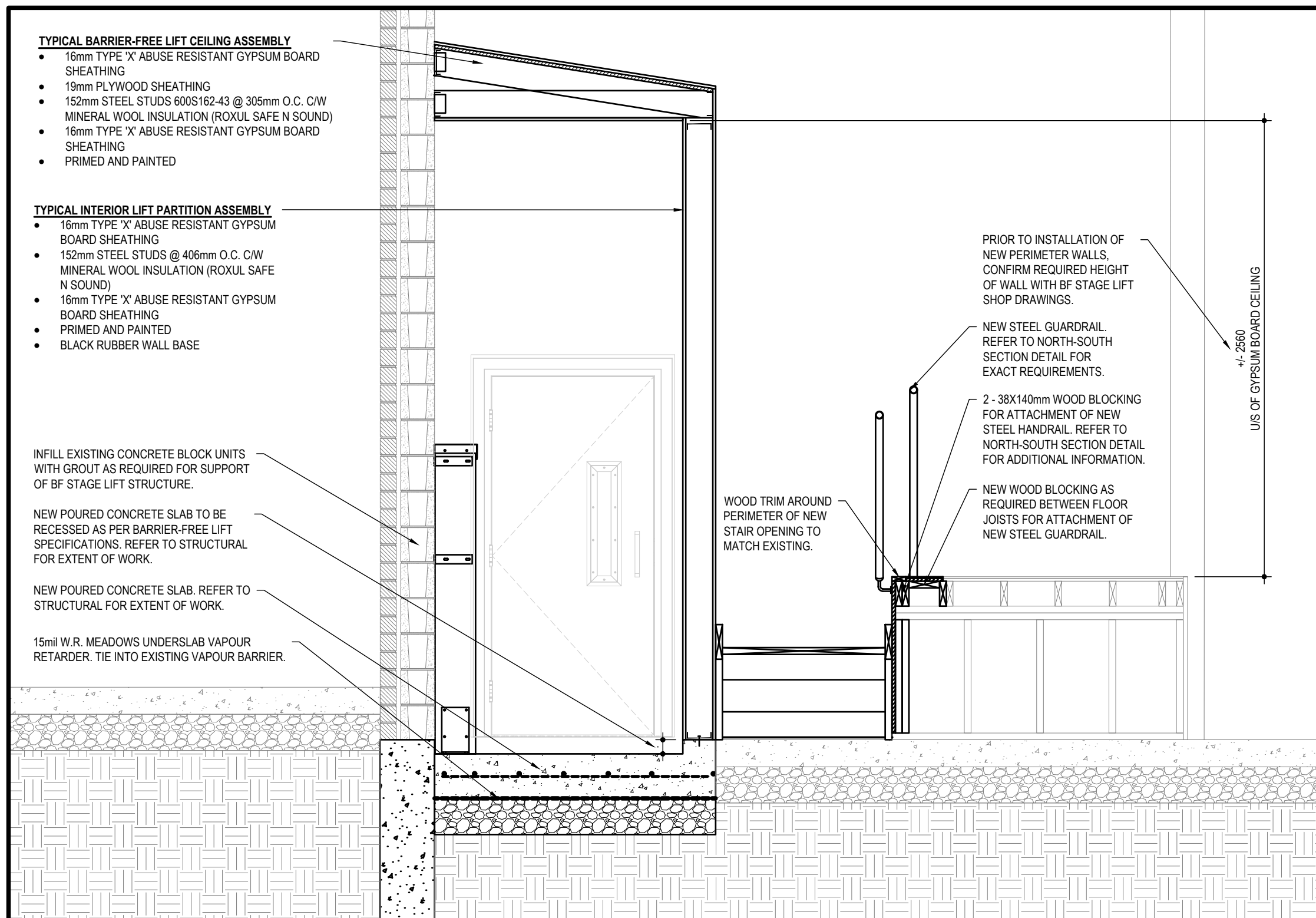
TYPICAL DETAILS - BARRIER-FREE ACCESSIBILITY LIFT



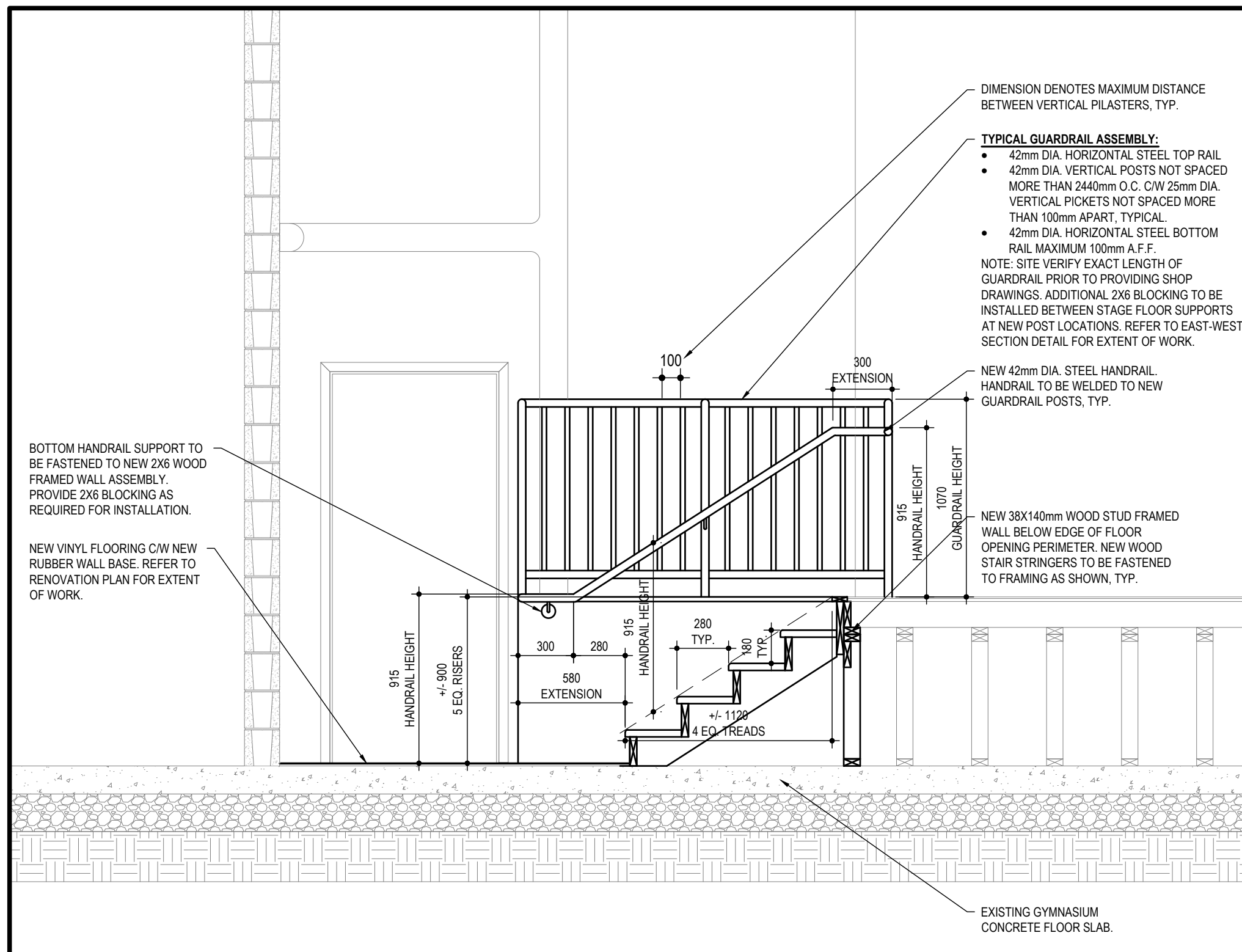
1 ACCESSIBILITY LIFT - DEMOLITION PLAN
SCALE: 1:50



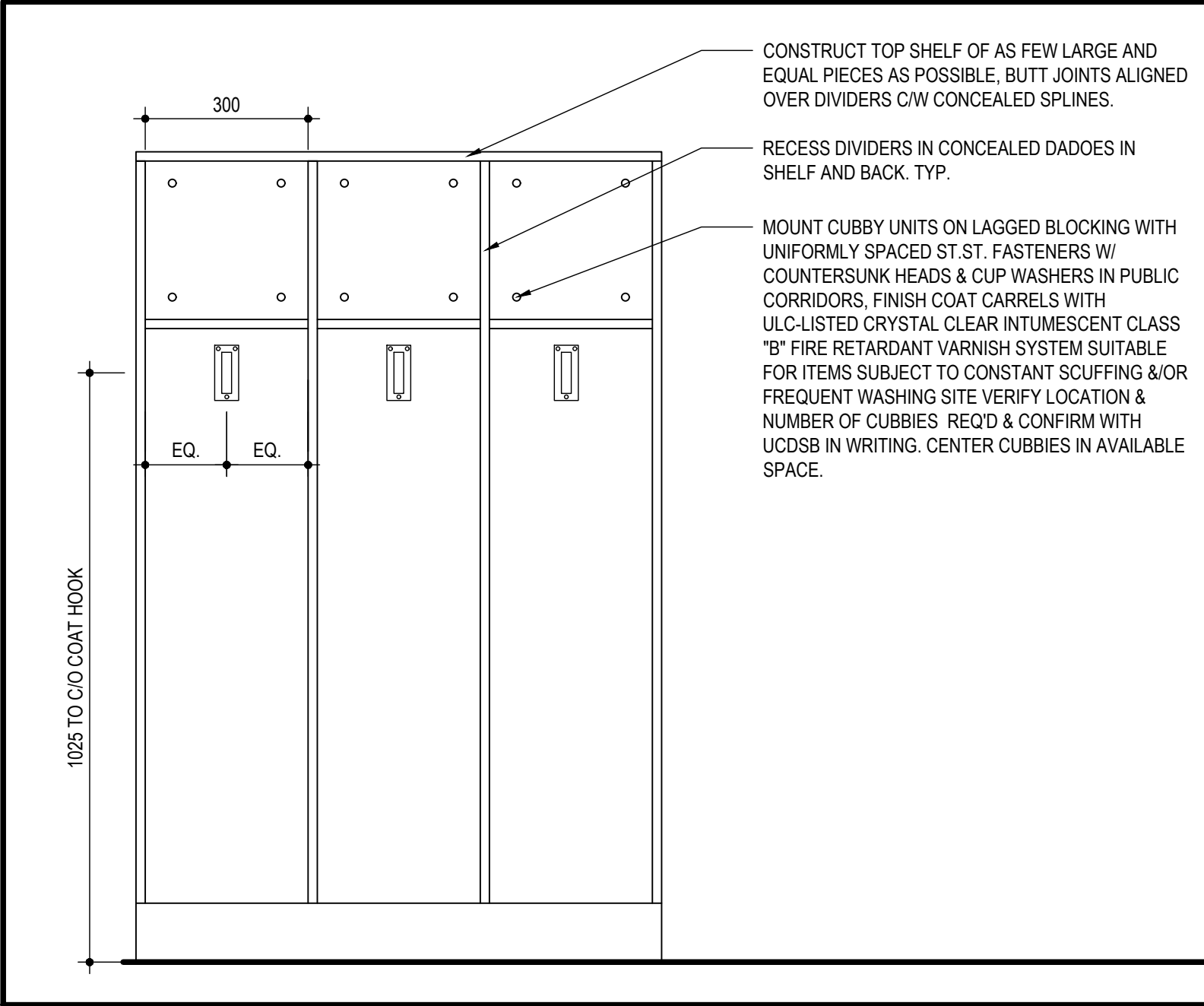
2 ACCESSIBILITY LIFT - RENOVATION PLAN
SCALE: 1:50



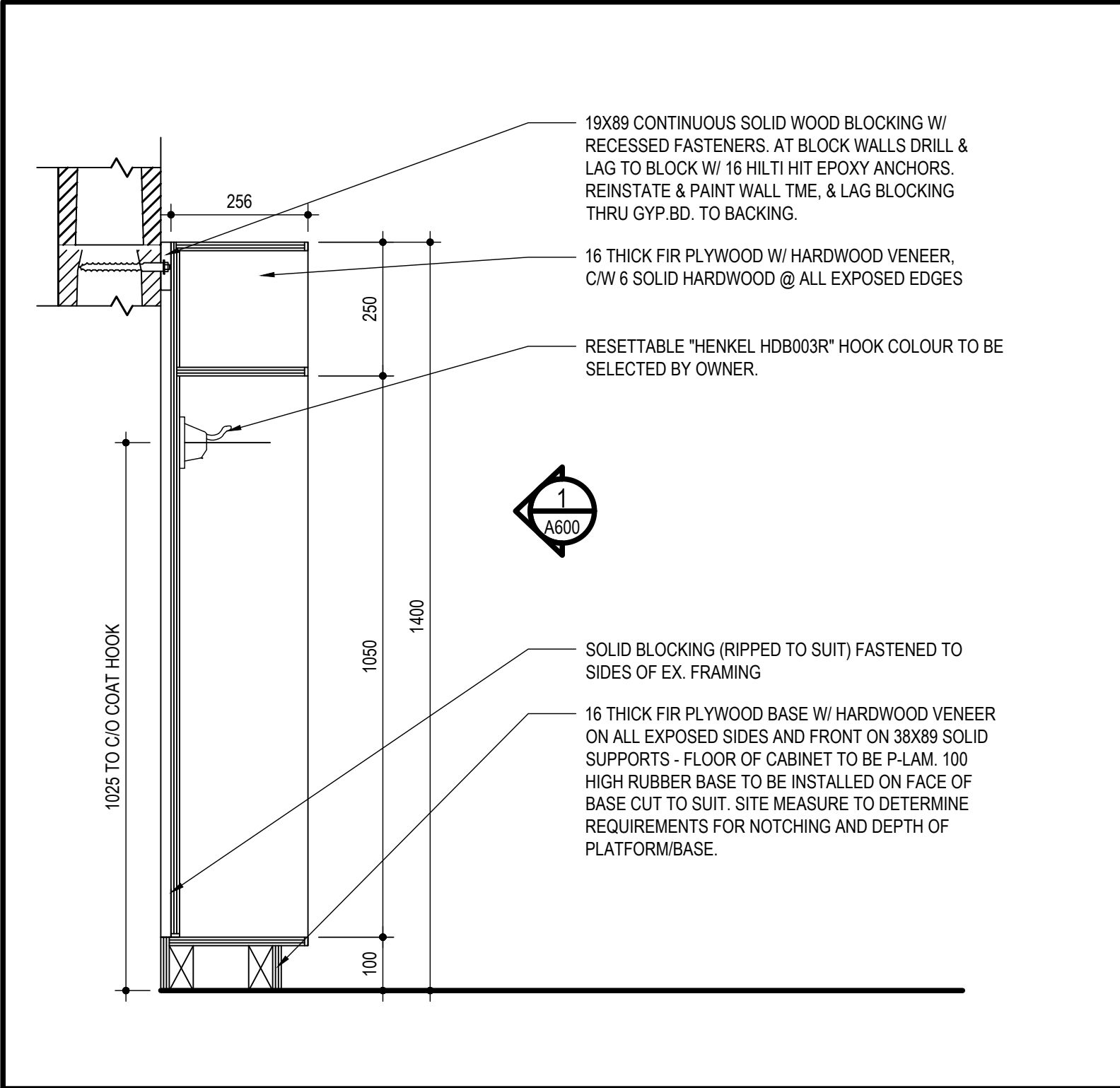
3 STAGE ACCESS STAIR - EAST-WEST SECTION DETAIL
SCALE: 1:50



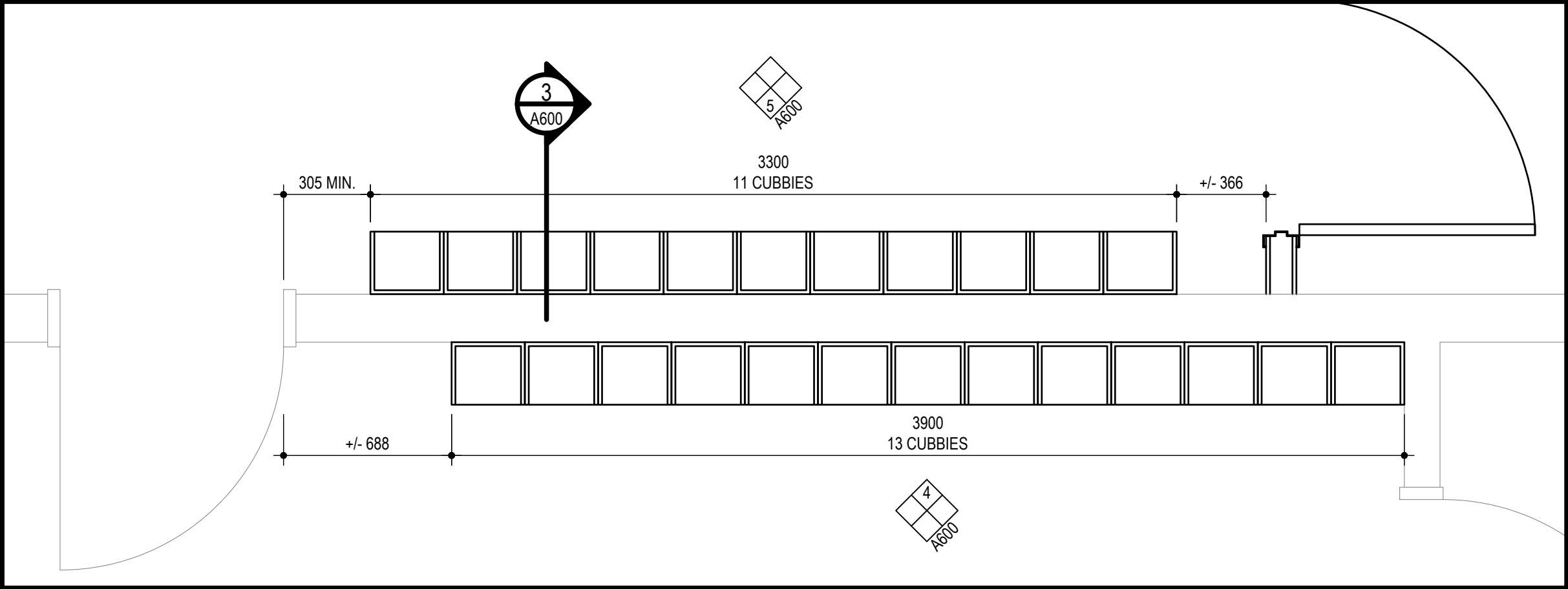
4 STAGE ACCESS STAIR - NORTH-SOUTH SECTION DETAIL
SCALE: 1:50



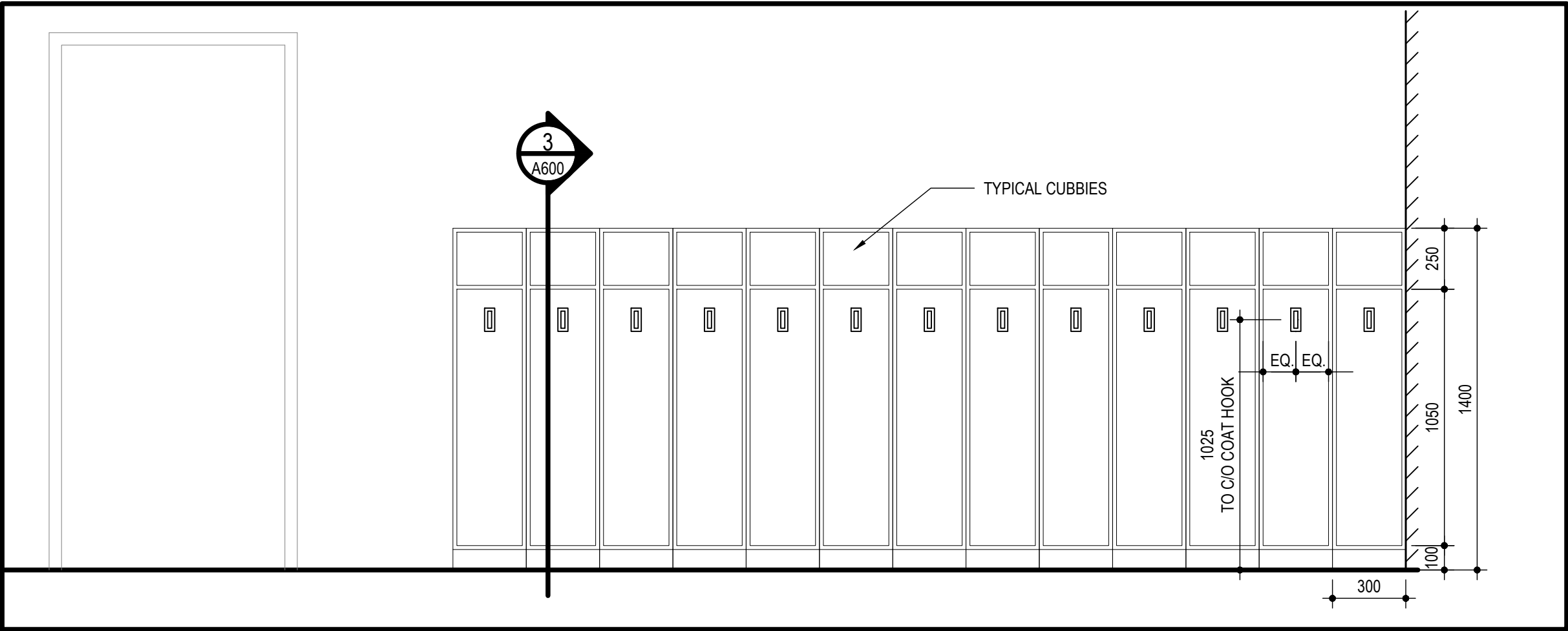
1
A600
TYPICAL CUBBIES - INTERIOR ELEVATION
SCALE: 1:10



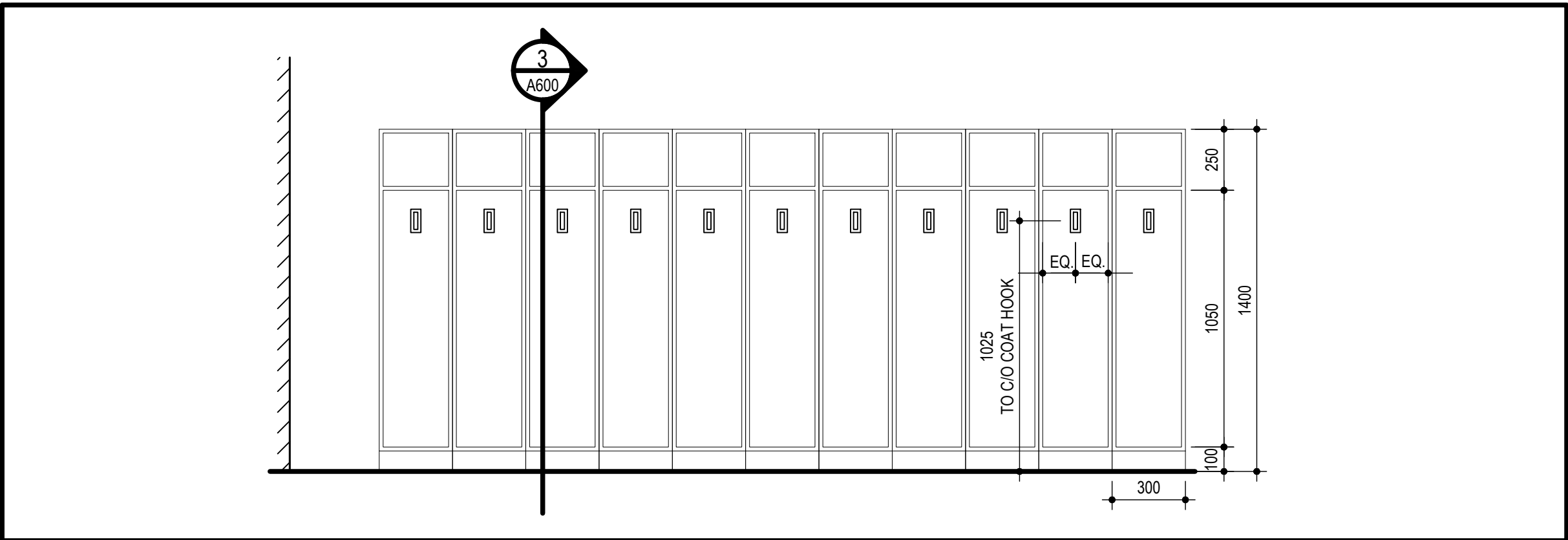
3
A600
TYPICAL CUBBIES - SECTION DETAIL
SCALE: 1:10



2
A600
TYPICAL CUBBIES - PLAN VIEW
SCALE: 1:20



4
A600
TYPICAL CUBBIES - CLASSROOM ELEVATION
SCALE: 1:20



5
A600
TYPICAL CUBBIES - CORRIDOR ELEVATION
SCALE: 1:20

PINEVIEW PS - RAAC REPLACEMENT & ACCESSIBILITY UPGRADES

DRAWING TITLE

MILLWORK DETAILS - HALLWAY CUBBIES

GENERAL

1.

THIS IS A METRIC PROJECT. UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE IN MILLIMETERS AND ALL FORCES ARE IN METRIC UNITS (PER TG-ABBR-02)
2.

"WSP-S" REFERS TO WSP CANADA STRUCTURAL CONSULTANT.
3.

PROVIDE ALL MATERIAL AND LABOUR REQUIRED FOR COMPLETION OF THE WORK.
4.

PRIOR TO CONSTRUCTION, REVIEW STRUCTURAL DRAWINGS IN CONJUNCTION WITH DRAWINGS PROVIDED BY ALL OTHER CONSULTANTS, AND WITH EXISTING CONDITIONS.
5.

REPORT DISCREPANCIES TO THE CONSULTANT BEFORE PROCEEDING WITH THE WORK.
6.

VERIFY EXISTING DIMENSIONS AND CONDITIONS ON SITE PRIOR TO CONSTRUCTION.
7.

USE THESE DRAWINGS ONLY FOR THE PURPOSE IDENTIFIED IN THE REVISIONS COLUMN. DO NOT CONSTRUCT FROM THESE DRAWINGS UNLESS MARKED "ISSUED FOR CONSTRUCTION".
8.

DO NOT USE INFORMATION ON THESE DRAWINGS FOR ANY OTHER PROJECT OR WORKS.
9.

DO NOT SCALE THESE DRAWINGS.
10.

ALL SECTIONS, DETAILS, AND STATEMENTS NOTED AS "TYPICAL" APPLY TO LIKE/SIMILAR CONDITIONS IN THE STRUCTURE.
11.

SEE ARCHITECTURAL DRAWINGS FOR FIRE RATING AND FIREPROOFING REQUIREMENTS.
12.

STRUCTURAL DESIGN ASSUMES NON-LOAD RESTRICTED ULC FIRE RATED ASSEMBLIES, AND APPROPRIATE MATERIALS MUST BE USED.
13.

DRAWINGS SHOW COMPLETED STRUCTURE ONLY. THEY DO NOT SHOW TEMPORARY WORKS FOR WHICH THE CONTRACTOR IS RESPONSIBLE AND WHICH MAY BE REQUIRED FOR EXECUTION OF THE PROJECT. THE CONTRACTOR TO ESTABLISH CONSTRUCTION PROCEDURE AND SEQUENCE TO ENSURE SAFETY OF THE WHOLE STRUCTURE AND ALL ITS COMPONENTS DURING ERECTION.
14.

MAKE ADEQUATE PROVISIONS FOR ALL LOADS ACTING ON THE STRUCTURE DURING ERECTION. PROVIDE TEMPORARY SHORING AND BRACING TO KEEP THE STRUCTURE PLUMB AND IN TRUE ALIGNMENT DURING CONSTRUCTION.
15.

DESIGN AND CONSTRUCTION REVIEW OF ALL TEMPORARY WORKS TO BE CARRIED OUT BY A PROFESSIONAL ENGINEER RETAINED BY THE CONTRACTOR, LICENSED IN THE PLACE WHERE THE PROJECT IS LOCATED.
16.

DESIGN OF NON-STRUCTURAL AND SECONDARY STRUCTURAL ELEMENTS (SUCH AS MISCELLANEOUS STEEL STAIRS, RAILINGS AND GUARDRAILS, PARTITIONS, CLADDING, BULKHEADS, ETC.) IS THE RESPONSIBILITY OF SPECIALTY PROFESSIONAL ENGINEERS ENGAGED BY THE CONTRACTOR OR THE SUPPLIERS; IT IS NOT WITHIN THE SCOPE OF SERVICES PROVIDED BY WSP-S AND WILL NOT BE REVIEWED BY WSP-S.
17.

CONSTRUCTION LOADS ON COMPLETED STRUCTURE NOT TO EXCEED DESIGN LOADS INDICATED ON DRAWINGS.

DESIGN CRITERIA

1.

STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE 2024 ONTARIO BUILDING CODE (OBC), SUPPLEMENTED BY THE USER'S GUIDE – NBC 2020 STRUCTURAL COMMENTARIES.
2.

ALL REFERENCED STANDARDS SHALL BE THE CURRENT EDITION UNLESS DIFFERENT EDITION IS REFERENCED BY THE APPLICABLE BUILDING CODE NOTED ABOVE.
3.

THE VALUES FOR CLIMATIC DATA USED IN THE DETERMINATION OF DESIGN LOADS HAVE BEEN OBTAINED FROM THE 2024 OBC FOR THE SPECIFIC LOCATION OF BROCKVILLE, ONTARIO, CANADA.
4.

BASED ON THE USE AND OCCUPANCY, THE BUILDING IS DESIGNED TO THE REQUIREMENTS OF A NORMAL IMPORTANCE CATEGORY.
5.

SELF WEIGHT (SWT) IS DUE TO THE WEIGHT OF THE STRUCTURE ITSELF. IT VARIES WITH THE STRUCTURAL SYSTEM, AND INCLUDES CONCRETE TOPPINGS ON STEEL DECK.
6.

SUPERIMPOSED DEAD LOADS (SDI) ARE NON-STRUCTURAL DEAD LOADS DUE TO NON-STRUCTURAL TOPPINGS, FINISHES, PARTITIONS, ROOFING MATERIALS, SUSPENDED EQUIPMENT, PAVERS, SOIL, ETC.
7.

DEAD LOAD (DL) IS THE SELF WEIGHT OF THE STRUCTURE PLUS THE SUPERIMPOSED DEAD LOAD.
8.

UNLESS OTHERWISE NOTED, DESIGN LOADS SHOWN ON DRAWINGS ARE SPECIFIED (FACTORED) LOADS. TO BE USED FOR ULS DESIGN. FOR SLS DESIGN, THESE LOADS CAN BE REDUCED BY MULTIPLYING WITH THE RATIO OF APPROPRIATE IMPORTANCE FACTORS $I_k(SLS) / I_k(ULS)$ GIVEN BELOW.
9.

IF ONLY ONE VALUE IS GIVEN FOR A LOAD, CONSIDER IT LIVE LOAD.
10.

FOR CONNECTION LOADS, "+" SIGN INDICATES TENSION AND "-" SIGN INDICATES COMPRESSION, EXCEPT FOR COLUMN LOADS WHERE "+" SIGN INDICATES COMPRESSION AND "-" SIGN INDICATES TENSION.
11.

SNOW : $S_s = 2.2 \text{ kPa}$; $S_r = 0.4 \text{ kPa}$; $I_s (ULS) = 1.15$; $I_s (SLS) = 0.9$
MINIMUM UNFACTORED SNOW LOAD = $2.16 \text{ kPa} \times I_s$
12.

RAIN: 24 HOUR RAINFALL = 132 mm
13.

LATERAL DEMAND ON THIS BUILDING HAS BEEN CALCULATED TO ENSURE NEW ROOF STRUCTURE CAN RESIST LATERAL LOADS AND TRANSFER TO EXISTING MASONRY WALLS.
14.

WIND : $q_{50} = 0.48 \text{ kPa}$; $I_w (ULS) = 1.15$; $I_w (SLS) = 0.75$
TERRAIN TYPE: OPEN
INTERNAL PRESSURE CATEGORY: 1
15.

SEISMIC

TO DETERMINE THE DIAPHRAGM FORCE ACTING ON THE STEEL DECK IT WAS ASSUMED THAT THE SITE CLASS WAS D. DURING CONSTRUCTION SITE CLASS IS TO BE CONFIRMED IN WRITTEN REPORTS BY A GEOTECHNICAL ENGINEER RETAINED BY THE OWNER. GEOTECHNICAL ENGINEER TO CARRY MINIMUM \$1,000,000 IN LIABILITY INSURANCE. SUBMIT EACH REPORT IMMEDIATELY TO WSP-S.

SEISMIC FORCE RESISTING SYSTEM (SFRS): EXISTING MASONRY WALLS

SHOP DRAWINGS

1.

ALL SHOP DRAWINGS ARE TO BE REVIEWED AND STAMPED BY THE CONTRACTOR PRIOR TO DISTRIBUTION TO CONSULTANTS. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2.

REVIEW OF SHOP DRAWINGS BY WSP-S IS ON A SAMPLING BASIS, FOR GENERAL CONFORMITY WITH STRUCTURAL CONTRACT DOCUMENTS. IT IS NOT A DETAILED CHECK AND MUST NOT BE CONSTRUED AS RELIEVING THE CONTRACTOR OF THE CONTRACTOR'S RESPONSIBILITY TO MAKE THE WORK ACCURATE AND IN CONFORMITY WITH ALL THE CONTRACT DOCUMENTS. TO REVIEW SHOP DRAWINGS AND TO COORDINATE WORK OF INTERFACING TRADES AND MANUFACTURE OF INTERFACING PRODUCTS.
3.

REVIEW OF SHOP DRAWINGS DOES NOT IMPLY ANY CHANGE IN ANY OTHER CONSULTANTS' OR PROFESSIONALS' RESPONSIBILITIES RELATED TO DESIGN OF SPECIFIC ITEMS AS OUTLINED BY THESE DRAWINGS.
4.

ALLOW A MINIMUM OF 10 WORKING DAYS FOR REVIEW OF EACH SUBMISSION OF SHOP DRAWINGS IN THE WSP-S OFFICE. ALLOW MORE TIME WHEN LARGE QUANTITIES OF SHOP DRAWINGS ARE SUBMITTED. SUBMIT IN GENERAL CONFORMITY WITH THE SEQUENCE OF CONSTRUCTION INTENDED.
5.

AFTER REVIEW, SHOP DRAWINGS WILL BE STAMPED AND RETURNED. DO NOT COMMENCE FABRICATION UNTIL RETURNED SHOP DRAWINGS HAVE BEEN EXAMINED. IF FABRICATION BEGINS PRIOR TO EXAMINATION OF RETURNED SHOP DRAWINGS, THE COST ASSOCIATED WITH ANY REQUIRED REPLACEMENT OR REWORK OF FABRICATED ELEMENTS IS THE RESPONSIBILITY OF THE CONTRACTOR.
6.

SHOP DRAWINGS MARKED "REVIEWED" CAN BE USED FOR FABRICATION. DO NOT MAKE ANY CHANGES OR ADDITIONS TO THESE DRAWINGS WITHOUT NOTIFYING THE CONSULTANT.
7.

SHOP DRAWINGS MARKED "REVIEWED AS NOTED" CAN BE USED FOR FABRICATION AFTER THE REVISIONS NOTED ARE IMPLEMENTED. DO NOT MAKE ANY FURTHER CHANGES OR ADDITIONS TO THESE DRAWINGS WITHOUT NOTIFYING THE CONSULTANT.
8.

SHOP DRAWINGS MARKED "REVISE AND RESUBMIT" REQUIRE SUBSTANTIAL REVISIONS AND MUST BE RESUBMITTED FOR ADDITIONAL REVIEW PRIOR TO FABRICATION. ALL CHANGES AND ADDITIONS TO THE PREVIOUS SUBMISSION TO BE CLEARLY IDENTIFIED ON THE RESUBMITTED DRAWINGS. ONLY THE IDENTIFIED CHANGES WILL BE REVIEWED ON RE-SUBMISSION.
9.

SHOP DRAWINGS MARKED "REVIEWED FOR IMPACT ON BASE STRUCTURE ONLY" SHOW WORKS WHICH ARE NOT WITHIN THE SCOPE OF STRUCTURAL CONSULTING SERVICES BUT AFFECT BEHAVIOUR OF THE BASE STRUCTURE. WSP-S WILL NOT REVIEW THESE WORKS AND ASSUMES THAT THE INDICATED WEIGHTS AND ALL OTHER LOADS IMPOSED ON THE BASE STRUCTURE ARE CORRECTLY IDENTIFIED BY THE DESIGNER / SUPPLIER OF THESE ELEMENTS.
10.

DRAWINGS MARKED "NOT REVIEWED" SHOW WORKS WHICH ARE NOT WITHIN THE SCOPE OF STRUCTURAL CONSULTING SERVICES.
11.

DO NOT USE SHOP DRAWINGS AS A MEANS TO PROPOSE SUBSTITUTIONS OR ALTERNATIVES TO THE MATERIALS, PRODUCTS OR DETAILS INDICATED IN CONTRACT DOCUMENTS. SUCH SHOP DRAWINGS WILL BE MARKED "REVISE AND RESUBMIT".
12.

PROVIDE FINAL RECORD DRAWINGS AFTER ALL CORRECTIONS ARE MADE.

FIELD REVIEW

1.

WSP-S WILL PROVIDE PERIODIC FIELD REVIEW OF A REPRESENTATIVE SAMPLE OF THE STRUCTURAL WORKS DETAILED ON THESE DRAWINGS FOR GENERAL CONFORMANCE WITH CONTRACT DOCUMENTS. THESE REVIEWS DO NOT REPLACE THE CONTRACTOR'S RESPONSIBILITY TO IMPLEMENT AND MAINTAIN A QUALITY CONTROL PROGRAM, AND DO NOT MAKE WSP-S A GUARANTOR OF THE CONTRACTOR'S WORK.
2.

ASSIST WSP-S DURING FIELD REVIEW AND PROVIDE SAFE ACCESS TO WORK AREAS AS REQUIRED.
3.

CHECK THE WORK PRIOR TO FIELD REVIEW TO CONFIRM IT IS COMPLETED AND IN ACCORDANCE WITH CONTRACT DOCUMENTS.
4.

NOTIFY WSP-S 48 HOURS PRIOR TO COVERING UP THE STRUCTURE WITH FINISHES.

EXISTING STRUCTURE

1.

EXISTING STRUCTURAL INFORMATION IS BASED UPON SEVERAL DRAWINGS. SEE THE TABLE BELOW.

PREPARED BY:	DATE:
RONNEY ENGINEERING LIMITED	1991 08 05
RONNEY ENGINEERING LIMITED	2004 07 21
BFA	2025 03 14
2.

DESIGN OF STRUCTURAL WORKS RELATED TO THE EXISTING BUILDING HAS BEEN CARRIED OUT AS FAR AS PRACTICAL, GIVEN LIMITED AVAILABILITY OF THE EXISTING DRAWINGS AND LIMITED RECORDS OF THE STRUCTURAL MODIFICATIONS LIKELY TO HAVE BEEN MADE THROUGH THE LIFE OF THE BUILDING. MODIFICATIONS TO THE PROPOSED STRUCTURAL FRAMING AND / OR DETAILS MAY BE REQUIRED IF EXISTING CONDITIONS ARE FOUND TO BE DIFFERENT FROM THOSE ASSUMED AND SHOWN ON DRAWINGS.
3.

EXISTING CONDITIONS ARE ASSUMED. SURVEY THE EXISTING STRUCTURE AFTER REMOVING FINISHES AND REPORT ANY VARIATIONS TO WSP-S BEFORE PROCEEDING WITH THE WORK.
4.

TAKE ALL PRECAUTIONS NECESSARY TO PROTECT THE EXISTING STRUCTURE DURING CONSTRUCTION.
5.

SCHEDULE WORK TO MINIMIZE EFFECT ON THE EXISTING BUILDING OPERATION. USE EQUIPMENT AND PROCEDURES TO MINIMIZE NOISE, DUST AND VIBRATIONS. SUBMIT PROPOSED SCHEDULE FOR REVIEW BY THE CONSULTANT AND THE OWNER.
6.

DO NOT PERMIT LOADS FROM CONCRETE FORMWORK TO BE TRANSMITTED TO ADJACENT EXISTING STRUCTURES.
7.

ALL DEMOLITION, SHORING, AND OTHER TEMPORARY WORKS TO BE DESIGNED BY A PROFESSIONAL ENGINEER RETAINED BY THE CONTRACTOR, LICENSED IN THE PLACE WHERE THE PROJECT IS LOCATED. PREPARE DRAWINGS SIGNED AND SEALED BY THAT ENGINEER SHOWING DEMOLITION PROCEDURE AND SEQUENCE AND ALL THE NECESSARY SHORING.
8.

UNDERTAKE CHIPPING, CUTTING, CORING, REPAIRS, PATCHING, AND REMOVAL OF DEBRIS. MAKE CUTS WITH THE PROPER SAWS AND BITS WHEN A CLEAN LINE IS REQUIRED.
9.

DO NOT ALTER MATERIAL PROPERTIES OF THE STRUCTURAL STEEL WHICH IS TO REMAIN BY CUTTING AND DEMOLITION PROCEDURE.
10.

MAKE GOOD ALL EXISTING WORK DISTURBED BY SHORING OPERATIONS, EXCAVATION AND OTHER CONSTRUCTION PROCEDURES.

CONCRETE

1.

CONFORM TO CSA A23.1 "CONCRETE MATERIALS AND METHODS OF CONCRETE CONSTRUCTION".
2.

CONCRETE IS SPECIFIED PER ALTERNATIVE 1 - PERFORMANCE SPECIFICATION, AS OUTLINED IN CAN/CSA A23.1. THE CONTRACTOR AND THE CONCRETE SUPPLIER TO MEET ALL CERTIFICATION, DOCUMENTATION, AND QUALITY CONTROL REQUIREMENTS.
3.

THE CONCRETE SUPPLIER TO BE CERTIFIED BY THE READY MIXED CONCRETE ASSOCIATION OF ONTARIO.
4.

CONCRETE TO BE NORMAL DENSITY (MIN. 2300 kg/m³) UNLESS NOTED OTHERWISE.
5.

CEMENT TO BE PORTLAND CEMENT TYPE GU OR GUL, UNLESS NOTED OTHERWISE OR REQUIRED BY EXPOSURE CLASS. CEMENT TO CONFORM TO CSA A300.
6.

AGGREGATE TO CONFORM TO CSA A23.1 / A23.2. DO NOT USE RECYCLED CONCRETE AS AGGREGATE.
7.

CONCRETE ADMIXTURES SHALL NOT CONTAIN CHLORIDES.
8.

SLAB THICKENING AT STAGE LIFT:
 - EXPOSURE CLASS: C1
 - MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS: 25 MPa.
 - NOMINAL SIZE OF COARSE AGGREGATE: 20 (3/4")
9.

PROTECT CONCRETE FROM EXCESSIVE HEAT AND DRYING. USE HOT WEATHER CONCRETING METHODS IN ACCORDANCE WITH CAN/CSA-A23.1 WHENEVER THE OUTDOOR TEMPERATURE IS GREATER THAN 27°C.
10.

PROTECT CONCRETE FROM FREEZING. USE COLD WEATHER CONCRETING METHODS IN ACCORDANCE WITH CAN/CSA-A23.1 WHENEVER OUTDOOR TEMPERATURE IS LESS THAN +5°C. ALL INSULATED COVERS, HEATERS, AND OTHER MATERIALS NEEDED TO PROTECT CONCRETE TO BE ON HAND PRIOR TO POUR. DELIVER CONCRETE AT A TEMPERATURE BETWEEN +15°C AND +27°C. ENSURE A MINIMUM CONCRETE TEMPERATURE OF 10° IS MAINTAINED THROUGHOUT THE CURING PERIOD (MINIMUM 3 DAYS).
11.

VAPOUR BARRIER TO BE MIN 0.25 mm (10 mils) POLYETHYLENE TO CAN/CGSB-51.34. PROVIDE VAPOUR BARRIER UNDER SLABS PLACED ON THE GROUND. LAP MINIMUM 150 (6") AT JOINTS AND SEAL.

CONCRETE REINFORCEMENT

1.

CONFORM TO CSA A23.1 "CONCRETE MATERIALS AND METHODS OF CONCRETE CONSTRUCTION".
2.

REINFORCEMENT — DEFORMED BAR REINFORCEMENT CONFORMING TO CSA G30.18 GRADE 400R OR 400W. USE 400W WHERE BARS ARE SHOWN TO BE WELDED.
3.

ALL REINFORCING BAR SIZES ARE METRIC; "M" IS NOT NECESSARILY MARKED AFTER A BAR SIZE. FOR EXAMPLE, 10-15B NOTED ON PLAN INDICATES 10 BARS OF 15M DIAMETER, PLACED AT BOTTOM.
4.

SUBMIT SHOP DRAWINGS FOR REINFORCEMENT DETAILED IN ACCORDANCE WITH THE RSIC MANUAL OF STANDARD PRACTICE. SUBMIT PLANS AND DETAILS NECESSARY TO FABRICATE, PLACE, AND REVIEW REINFORCEMENT.
5.

ALL REBAR HOOKS TO BE STANDARD LENGTH 90° OR 180° HOOKS. REBAR LENGTHS LISTED ON DRAWINGS DO NOT INCLUDE THE HOOK LENGTH. BARS MARKED CONTINUOUS TO BE TERMINATED IN STANDARD HOOKS AT ENDS AND SPLICED USING CLASS B LAPS.
6.

FIELD BENDING OF BARS IS NOT PERMITTED UNLESS INDICATED OR APPROVED BY WSP-S. APPROVED FIELD BENDING TO BE DONE WITHOUT THE USE OF HEAT, THROUGH APPLICATION OF SLOW AND STEADY PRESSURE. REPLACE BARS WITH CRACKS OR SPLITS.
7.

ALL REINFORCING TO BE CLEAN, FREE OF LOOSE SCALE, OIL, DIRT, RUST, AND ANY OTHER FOREIGN COATING THAT AFFECT BONDING CAPACITY.
8.

WHERE CONCRETE IS CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH, MINIMUM CONCRETE COVER TO REINFORCING BARS CLOSEST TO THE CONCRETE SURFACE TO BE 75 (3").
9.

ENSURE COVER TO REINFORCEMENT IS MAINTAINED DURING CONCRETE POUR.

POST-INSTALLED ANCHORS AND DOWELS

1.

WHERE DRILLED CONCRETE ANCHORS (DCA) OR DRILLED MASONRY ANCHORS (DMA) ARE NOTED ON DRAWINGS, PROVIDE HILTI KWIK BOLT — T22 EXPANSION ANCHORS OR APPROVED EQUIVALENT. LOCATE DMA MIN 35 (1-3/8") FROM ANY VERTICAL MORTAR JOINT. DO NOT INSTALL DMA INTO HOLLOW MASONRY, ADVISE WSP-S IF HOLLOW MASONRY IS FOUND ON SITE WHERE DMA HAVE BEEN SPECIFIED. EFFECTIVE EMBEDMENT LENGTHS AS FOLLOWS:
10 (3/8") DIAMETER — 84 (2-1/2") EMBEDMENT
12 (1/2") DIAMETER — 83 (3-1/4") EMBEDMENT
16 (5/8") DIAMETER — 102 (4") EMBEDMENT
19 (3/4") DIAMETER — 121 (6-3/4") EMBEDMENT
2.

WHERE ADHESIVE CONCRETE ANCHORS (ACA) ARE NOTED ON DRAWINGS, PROVIDE HILTI HIT-HY20 ADHESIVE ANCHORING SYSTEM WITH HILTI HIT-Z ANCHOR RODS OR APPROVED EQUIVALENT. EFFECTIVE EMBEDMENT LENGTHS AS FOLLOWS:
10 (3/8") DIAMETER — 86 (3-3/8") EMBEDMENT
12 (1/2") DIAMETER — 114 (4-1/2") EMBEDMENT
16 (5/8") DIAMETER — 143 (5-5/8") EMBEDMENT
19 (3/4") DIAMETER — 171 (6-3/4") EMBEDMENT
3.

WHERE ADHESIVE MASONRY ANCHORS (AMA) ARE NOTED ON DRAWINGS, PROVIDE HILTI HIT-HY 270 ADHESIVE ANCHORING SYSTEM WITH HAS-V RODS OR APPROVED EQUIVALENT. EFFECTIVE EMBEDMENT LENGTHS AS FOLLOWS:
10 (3/8") DIAMETER — 86 (3-3/8") EMBEDMENT
12 (1/2") DIAMETER — 114 (4-1/2") EMBEDMENT
16 (5/8") DIAMETER — 143 (5-5/8") EMBEDMENT
19 (3/4") DIAMETER — 171 (6-3/4") EMBEDMENT
4.

WHERE REBAR DOWEL ANCHORS (RDA) ARE NOTED ON DRAWINGS, PROVIDE HILTI HIT-RE 500 V3 (FOR ANCHORAGE TO CONCRETE) OR HILTI HIT-HY 270 (FOR ANCHORAGE TO SOLID OR GROUTED MASONRY) ADHESIVE ANCHORING SYSTEM INSTALLED USING HILTI SAFESET HOLLOW DRILL BIT TECHNOLOGY OR APPROVED EQUIVALENT. SEE DRAWINGS FOR EMBEDMENT LENGTHS.
5.

WHERE HOLLOW MASONRY ANCHORS (HMA) ARE NOTED ON DRAWINGS, PROVIDE HILTI HIT—HY 270 ADHESIVE ANCHORING SYSTEM WITH HIT-SC MESH SLEEVE AND HAS-V RODS OR APPROVED EQUIVALENT. PROVIDE 12 (1/2") DIAMETER ANCHORS WITH 50 (2") EMBEDMENT.
6.

FOR HOLLOW BRICK MASONRY, PROVIDE HILTI HIT—HY 270 ADHESIVE ANCHORING SYSTEM WITH HIT-SC MESH SLEEVE AND HAS-V THREADED RODS. PROVIDE 12 (1/2") DIAMETER ANCHORS WITH 80 (3-1/8") EMBEDMENT.
7.

IN ORDER TO BE ACCEPTED, ANY ALTERNATIVES TO THE HILTI PRODUCTS SPECIFIED ABOVE MUST BE ACCOMPANIED BY TESTING DATA AND ICC-ES REPORTS DEMONSTRATING THAT THEIR PERFORMANCE (INCLUDING SUITABILITY FOR SEISMIC APPLICATIONS, CAPACITY IN CRACKED CONCRETE AND CAPACITY REDUCTIONS DUE TO SPACING AND EDGE DISTANCE) IS EQUIVALENT TO THE PERFORMANCE OF HILTI PRODUCTS. IN ADDITION, THAT PERFORMANCE MUST BE ACHIEVED USING INSTALLATION TOOLS AND PROCEDURES WHICH DO NOT REQUIRE DRILLED HOLES TO BE CLEANED PRIOR TO ANCHOR INSTALLATION.
8.

IF ANCHORS OTHER THAN THE HILTI PRODUCTS SPECIFIED ABOVE ARE APPROVED TO BE USED, ANCHOR SUPPLIER TO ESTABLISH THE EMBEDMENT LENGTHS REQUIRED TO ACHIEVE PERFORMANCE EQUIVALENT TO THE HILTI PRODUCTS EMBEDDED AS INDICATED IN THESE NOTES.
9.

ANCHOR AND DOWEL CAPACITY IS DEPENDENT UPON SPACING BETWEEN ADJACENT ANCHORS AND THEIR PROXIMITY TO CONCRETE AND MASONRY EDGES; THEREFORE, ALL ANCHORS MUST BE INSTALLED WITH CLEARANCES AND EDGE DISTANCES INDICATED ON DRAWINGS.
10.

ANCHORS LOCATED OUTSIDE THE BUILDING ENVELOPE'S VAPOUR BARRIER TO BE HOT DIP GALVANIZED OR STAINLESS STEEL.
11.

CONCRETE TO BE MINIMUM 28 DAYS OLD AT THE TIME OF ANCHOR INSTALLATION.
12.

USE DRILLING AND INSTALLATION TOOLS AND PROCEDURES PER MANUFACTURERS' RECOMMENDATIONS. DO NOT CORE DRILL UNLESS SPECIFICALLY NOTED ON DRAWINGS. HOLE DIAMETERS NOT TO EXCEED THOSE REQUIRED BY MANUFACTURER.
13.

WHERE CORE DRILLING IS SPECIFIED, CLEAN AND ROUGHEN HOLES PER MANUFACTURER'S RECOMMENDATION.
14.

DO NOT CUT REINFORCEMENT TO ACCOMMODATE DRILLED ANCHORS AND DOWELS.
15.

ARRANGE FOR THE ANCHOR MANUFACTURER TO CONDUCT TRAINING FOR INSTALLATION OF ALL THE PRODUCTS SPECIFIED, AND FOR ALL CONDITIONS ENCOUNTERED (E.G. HORIZONTAL, INCLINED, OVERHEAD) PER CSA A23.3-19 ANNEX D. ALL INSTALLERS MUST COMPLETE THE SUPPLIER CERTIFIED INSTALLER TRAINING PROGRAM. SUBMIT COPIES OF COMPLETION CERTIFICATES FOR WSP-S RECORD.
16.

WHEN OBSTRUCTIONS PREVENT DRILLING HOLES IN SPECIFIED LOCATIONS TO THE REQUIRED DEPTH, RELOCATE AT NO EXTRA COST TO THE CONTRACT. OBTAIN WSP-S APPROVAL OF NEW LOCATIONS BEFORE DRILLING. MODIFICATIONS TO CONNECTED MEMBERS AND ADDITIONAL ANCHORS / DOWELS MAY BE REQUIRED. FILL ABANDONED HOLES WHICH ARE CLOSER THAN 3 TIMES THE HOLE DIAMETER FROM THE RELOCATED ANCHORS WITH HILTI HIT-RE 100 ADHESIVE OR WITH 30MPa NON-SHRINK GROUT. DO NOT TIGHTEN ANCHORS UNTIL THE FILLER HAS FULLY CURED.
17.

DO NOT BEND POST INSTALLED DOWELS AND RODS AFTER INSTALLATION.

DRAWING LIST	
S100	GENERAL NOTES
S101	GENERAL NOTES
S105	TYPICAL DETAILS
S106	TYPICAL DETAILS
S200	GROUND FLOOR PLAN
S210	ROOF PLAN
S220	PORTABLE FOUNDATIONS
S300	SCHEDULES
S400	ROOF SECTIONS

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Clients



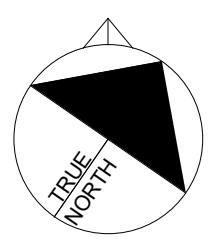
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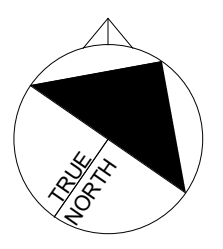


THIS BAR IS 25mm LONG WHEN PLOTTED AT CORRECT SCALE. DO NOT SCALE DRAWINGS.

NORTH ARROW:



DIGITAL REFERENCE:



PROJECT NO.: CA0067247.2663 CONTRACT NO.
DRAWN BY: MM CHECKED BY: BS APPROVED BY: SH

KEYPLAN:

4	2026-05-12	ISSUED FOR TENDER/ PERMIT
3	2026-04-02	ISSUED FOR 99%
NO.	DATE	ISSUED

PROJECT

PINEVIEW PS - RAAC REPLACEMENT & ACCESSIBILITY UPGRADES

DRAWING TITLE

GENERAL NOTES

STRUCTURAL STEEL

1.

CONFORM TO CSA S16 "DESIGN OF STEEL STRUCTURES".
2.

FABRICATOR TO BE CERTIFIED BY THE CANADIAN WELDING BUREAU UNDER REQUIREMENTS OF CSA W47.1, DIVISION 1 OR 2, AND/OR CSA W55.3.
3.

WELDERS TO BE CWB CERTIFIED. WELDING TO BE IN ACCORDANCE WITH CSA W59.
4.

MATERIALS (TO CSA G40.21 UNLESS NOTED OTHERWISE):
 - WIDE FLANGE SECTIONS, CHANNELS AND ANGLES: GRADE 350W
 - PLATES, BARS: GRADE 300W
 - STEEL JOISTS: CSA G40.21, ASTM A1085, OR ASTM A500
 - HOLLOW STRUCTURAL SECTIONS (HSS): 350W CLASS "C" OR "H"; OR ASTM A500 GRADE C; OR ASTM A1085 GRADE 50 (345 MPa)
 - GALVANIZED HSS: 350W CLASS H; OTHER GRADES TO BE STRESS RELIEVED PRIOR TO GALVANIZING
 - BOLTS, NUTS AND WASHERS: ASTM F3125, GRADE A325
 - ANCHOR RODS: GRADE 300W; OR ASTM F1554 GRADE 36
 - HEADED STUDS: CSA W59, TYPE B, MIN Fy = 390MPa. LENGTHS OF STUDS GIVEN ON DRAWINGS ARE THE LENGTHS AFTER WELDING.
 - WELDING MATERIALS: CSA W48 AND CSA W59
5.

SHOP DRAWINGS FOR STRUCTURAL STEEL, STEEL CONNECTIONS, AND STEEL JOISTS TO BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER RESPONSIBLE FOR THEIR DESIGN, RETAINED BY THE CONTRACTOR AND REGISTERED IN THE PLACE THE PROJECT IS LOCATED. ENGINEER TO CARRY MINIMUM \$1,000,000 IN LIABILITY INSURANCE.
6.

CONNECT BEAMS FOR THE FORCES SHOWN ON DRAWINGS USING THE CISC "HANDBOOK OF STEEL CONSTRUCTION". IF NO FORCE IS INDICATED, CONNECT NON-COMPOSITE BEAMS FOR THE REACTION DUE TO MAXIMUM UNIFORMLY DISTRIBUTED LOAD CAPACITY OF THE BEAM IN BENDING.
7.

WHERE MOMENT CONNECTIONS ARE CALLED FOR BUT VALUES ARE NOT INDICATED, DESIGN FOR MOMENT CAPACITY OF THE SMALLER MEMBER IN THE CONNECTION.
8.

WHERE SLOTTED CONNECTIONS ARE SHOWN ON STRUCTURAL DRAWINGS, FINGER TIGHTEN BOLTS TO A SNUG FIT AND BURR THREADS TO PREVENT NUTS FROM WORKING LOOSE.
9.

DO NOT SPLICE SECTIONS WITHOUT PRIOR ACCEPTANCE BY THE CONSULTANT AND SUBMISSION OF PERTINENT SHOP DRAWINGS. ACCEPTED SPLICES TO DEVELOP THE FULL MOMENT CAPACITY OF THE SECTION. EACH SPLICE TO BE GIVEN A NON-DESTRUCTIVE TEST BY AN INDEPENDENT INSPECTION COMPANY ACCEPTABLE TO WSP-S. TESTING TO BE AT THE CONTRACTOR'S EXPENSE. EVALUATE RESULTS IN ACCORDANCE WITH CSA W59 AND REPORT TO WSP-S.
10.

DO NOT CUT HOLES OR OTHERWISE MODIFY STRUCTURAL MEMBERS ON SITE.
11.

DO NOT OVERSIZE ANCHOR ROD HOLES FOR SITE TOLERANCES. USE HOLE SIZES SUGGESTED IN THE CISC "HANDBOOK OF STEEL CONSTRUCTION".
12.

PROTECT COMBUSTIBLE MATERIALS AND FINISHES DURING WELDING OPERATIONS.
13.

DO NOT WELD IN AMBIENT TEMPERATURES BELOW -18°C. PREHEAT MATERIAL ADJACENT TO WELDING AREAS WHEN WELDING TEMPERATURE IS BETWEEN -18°C AND 0°C.
14.

UNLESS OTHERWISE NOTED, CLEAN STEEL TO SSPC SP1 (SOLVENT CLEANING) AND APPLY ONE COAT OF SHOP PAINT.
15.

CLEAN STEEL WHICH WILL RECEIVE A FINISHED COAT OF PAINT ON SITE TO SSPC SP7 (BRUSH OFF BLAST CLEANING) AND APPLY SHOP PRIMER.
16.

CLEAN STEEL WHICH WILL RECEIVE ZRP TO SSPC SP10 (NEAR WHITE BLAST CLEANING), AND APPLY ZINC RICH PRIMER.
17.

ALL STEEL LOCATED OUTSIDE THE BUILDING ENVELOPE'S VAPOUR BARRIER TO BE HOT DIPPED GALVANIZED.
18.

CLEAN SURFACES DOWN TO BARE METAL AND APPLY TWO COATS OF TOUCH-UP ZRP TO ANY GALVANIZED OR ZRP SURFACE THAT HAS BEEN DAMAGED OR FIELD WELDED.
19.

IF STRUCTURAL STEEL IS IN DIRECT CONTACT WITH GROUND (E.I. COLUMN BASE IS NOT ENCASED IN CONCRETE), PROTECT WITH EPOXY PAINT.
20.

PROVIDE VENT HOLES IN HSS SECTIONS WHERE REQUIRED FOR GALVANIZING PROCESS, MAXIMUM SIZE 16 (5/8") DIAMETER. FILL WITH VENT HOLE PLUGS AFTER GALVANIZING.
21.

PROVIDE ALL ERECTION BRACING REQUIRED TO KEEP THE STRUCTURE STABLE AND IN ALIGNMENT DURING CONSTRUCTION.
22.

DISTRIBUTE HANGER LOADS FROM MECHANICAL AND HEAVY ELECTRICAL SERVICES UNIFORMLY ALONG STEEL MEMBERS. ALTERNATE HANGER POSITION ON EITHER SIDE OF MEMBERS. DO NOT INSTALL IN A MANNER THAT WILL CAUSE TWISTING OF STEEL MEMBERS OR EXCESSIVE BENDING OF FLANGES OR CHORDS. WHERE HANGERS ARE CONNECTED TO JOISTS AND THE APPLIED LOAD IS GREATER THAN 1.5kN, LOCATE SUSPENSION POINT NOT MORE THAN 100 (4") FROM JOIST PANEL POINT.

STEEL DECK

1.

CONFORM TO CSA S136, CSSBI 10M AND CSSBI 12M.
2.

MATERIALS:
 - DECK: ASTM A653/A653M (WITH ZF75 OR Z275 COATING), OR ASTM A792/A792A (WITH AZ150 COATING), GRADE 340.
 - ZINC-RICH PAINT (ZRP): PER SSPC PAINT SPECIFICATION NO.20.
3.

DESIGN LOADS, SECTION DEPTHS AND STEEL THICKNESSES ARE GIVEN ON DRAWINGS. CHOOSE DECK PROFILE AND DETAIL IN ACCORDANCE WITH CSA S136, CSSBI 10M AND CSSBI 12M.
4.

LIMIT LIVE LOAD DEFLECTION TO 1/360 OF SPAN. LIMIT TOTAL ROOF LOAD DEFLECTION TO 1/240. LIMIT SDL+LL INCREMENTAL LONG TERM FLOOR DEFLECTION TO 1/480.
5.

UNLESS NOTED OTHERWISE, PROVIDE BUTTON PUNCHED OR SCREWED SIDE LAP CONNECTIONS AT 600 (24") CENTRES MAXIMUM. CONNECT DECK TO TRANSVERSE SUPPORTS AT EVERY OTHER FLUTE OR MAX. 400 (18") (WHICHEVER IS LESS) WITH 19 (3/4") DIAMETER FUSION WELDS OR HILTI DIRECT FASTENERS. CONNECT TO LONGITUDINAL (PERIMETER) SUPPORTS WITH FASTENERS TO MATCH TRANSVERSE FASTENERS SPACED AT 450 (18") ON CENTRE. DO NOT DAMAGE SUPPORTING MEMBERS THROUGH DECK FASTENING PROCESS.
6.

DECK SUPPLIER TO DESIGN AND PROVIDE REINFORCING FOR ALL ROOF DECK OPENINGS BETWEEN 150 AND 450 WIDE. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATIONS. CLEAR SPACING BETWEEN ADJACENT OPENINGS TO BE MIN. 3 TIMES THE WIDTH OF THE LARGER OPENING. FRAME ALL OTHER OPENINGS.
7.

PROVIDE REQUIRED FLASHING, POUR STOPS AND CLOSURE STRIPS WHERE NEEDED. SHEET STEEL MATERIAL TO BE 0.91 (20 GAUGE) MINIMUM, AND SAME COATING AS DECK MATERIAL.
8.

TOUCH-UP WITH ZRP WHEREVER PROTECTIVE COATING HAS BEEN DAMAGED DURING ERECTION.
9.

LAP DECK 50 TO 100 (2" TO 4") OVER SUPPORTS.
10.

DO NOT HANG CONCENTRATED LOADS FROM STEEL ROOF DECK UNLESS APPROVED BY THE ENGINEER RESPONSIBLE FOR DESIGN OF THE DECK.

MASONRY

1.

CONFORM TO CSA A371 "MASONRY CONSTRUCTION FOR BUILDINGS", AND CSA S304 "DESIGN OF MASONRY STRUCTURES".
2.

MATERIALS:
 - HOLLOW BLOCK: CSA A165.1-H/15/A/M
 - SOLID BLOCK: CSA A165.1-SF/15/A/M
 - MORTAR: CSA A179 - TYPE S
 - MASONRY GROUT: CSA A179 — 40 MPa COARSE GROUT, 1:3:2 — CEMENT : SAND : PEA STONE BY VOLUME WITH 200 (8") SLUMP, OR APPROVED PRE-BAGGED MATERIAL
 - MASONRY TIES: TO BE HOT DIP GALVANIZED
3.

MASONRY CONTRACTOR TO BE A MEMBER OF THE CANADIAN MASONRY CONTRACTORS ASSOCIATION.
4.

NON-LOAD BEARING MASONRY WALLS ARE NOT NECESSARILY SHOWN ON STRUCTURAL DRAWINGS. SEE ARCHITECTURAL DRAWINGS.
5.

UNLESS NOTED OTHERWISE, LAY UNITS IN RUNNING BOND. ALL FACE SHELLS TO BE FULLY BEDDED. INTERLOCK MASONRY COURSES AS WALL CORNERS.
6.

DO NOT USE MORTAR WHERE GROUT IS SPECIFIED.
7.

PROVIDE HOT, COLD AND WET WEATHER PROTECTION AS REQUIRED BY CSA A371.
8.

PROVIDE TEMPORARY BRACING FOR LOAD BEARING MASONRY WALLS UNTIL THE SUPPORTED STRUCTURE, WHICH PROVIDES PERMANENT BRACING, IS COMPLETED.
9.

TOOL JOINTS IN ALL LOAD BEARING WALLS TO PROVIDE HARD, DENSE JOINTS.
10.

PROVIDE LATERAL SUPPORT AT TOPS OF ALL WALLS. REFER TO ARCHITECTURAL DRAWINGS. LOCATE MAX 300 (12") FROM WALL ENDS AND MOVEMENT JOINTS.
11.

UNLESS OTHERWISE NOTED, PROVIDE MINIMUM 25 (1") DEFLECTION GAP AT TOP OF ALL NON LOAD BEARING MASONRY WALLS.
12.

UNLESS OTHERWISE NOTED ON DRAWINGS, PROVIDE 3.66 (9 GAUGE) DEFORMED STEEL HORIZONTAL LADDER-TYPE JOINT REINFORCEMENT EVERY SECOND BLOCK COURSE WITH 300 (12") LAPS (PROVIDE IN EVERY BLOCK COURSE FOR STACK BOND). STAGGER LAPS MIN 750 (2'-6") FROM COURSE TO COURSE. USE CORNER TYPE REINFORCEMENT AT WALL CORNERS AND INTERSECTIONS. PROVIDE JOINT REINFORCEMENT IN THE FIRST TWO COURSES ABOVE AND BELOW WALL OPENINGS, AND EXTEND 600 (2'-0") BEYOND EACH SIDE OF OPENING.
13.

NON-LOAD BEARING WALLS: PROVIDE 12mm (1/2") VERTICAL MOVEMENT JOINTS (MJ) WHERE INDICATED ON ARCHITECTURAL DRAWINGS, AT MAX 6000 (20') O/C, AND WHERE MASONRY WALLS ABUT COLUMNS OR CONCRETE WALLS. FILL ALL MJ WITH COMPRESSIBLE MATERIAL. SEE ARCHITECTURAL DRAWINGS FOR FIRE STOPPING REQUIREMENTS.
14.

LOAD BEARING WALLS: PROVIDE MJ AS REQUIRED FOR NON-LOAD BEARING WALLS. IN ADDITION, PROVIDE MJ WHERE INDICATED ON STRUCTURAL DRAWINGS, AND BETWEEN ALL LOAD BEARING AND NON-LOAD BEARING WALLS. CARRY HORIZONTAL REINFORCING IN BOND BEAMS LOCATED IMMEDIATELY BELOW FLOOR OR ROOF LEVELS CONTINUOUSLY THROUGH MOVEMENT JOINTS (WHERE APPLICABLE). DO NOT CARRY ANY OTHER WALL REINFORCING (INCLUDING HORIZONTAL JOINT REINFORCING) THROUGH MJ.
15.

PROVIDE STANDARD LINTELS OVER ALL OPENINGS IN NON-LOAD BEARING MASONRY WALLS AS SHOWN ON TYPICAL DETAILS TM-WALL-14. THE OPENINGS ARE NOT NECESSARILY SHOWN ON STRUCTURAL DRAWINGS, REFER TO ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS.
16.

REINFORCED MASONRY: BUILD WITH NO OVER-HANGING MORTAR, DEBRIS, OR CONDUIT INSIDE REINFORCED CELLS. REINFORCEMENT TO BE SPLICED 450 (18") FOR 10M BARS, 650 (26") FOR 15M BARS AND 900 (36") FOR 20M BARS, CARRIED CONTINUOUSLY THROUGH BOND BEAMS AND LINTELS, AND EXTENDED TO WITHIN 50 (2-1/2") FROM TOP OF WALL. LOCATE REBAR ACCURATELY IN CELLS AS SHOWN ON DRAWINGS. HOLD IN POSITION TOP AND BOTTOM. PROVIDE VERTICAL DOWELS AT BASE OF WALLS TO MATCH VERTICAL REINFORCING.
17.

AT REINFORCED MASONRY WALLS, REINFORCE SIDES OF ALL OPENINGS EXCEEDING 1000 (3'-6") IN WIDTH WITH ADDITIONAL 1-15 VERTICAL. CARRY FULL HEIGHT OF WALL. IN ADDITION, ADD 1-15 VERTICAL AT WALL ENDS, AND AT EACH SIDE OF MOVEMENT JOINTS.
18.

ALL REINFORCED MASONRY WALLS TO HAVE MIN 190 (7-1/2") DEEP BOND BEAMS WHERE INDICATED ON PLAN. AT A MINIMUM PROVIDE BOND BEAMS AT TOPS OF ALL WALLS AND AT A MAXIMUM VERTICAL SPACING OF 2400 (8'-0"); REINFORCE WITH 1-15 TOP AND BOTTOM CONTINUOUS, AND GROUT SOLID. BEND AND LAP REINFORCING AT MASONRY CORNERS AND INTERSECTIONS.
19.

UNLESS MASONRY WALLS ARE NOTED AS "FULLY GROUTED" OR "GROUTED SOLID", GROUT ONLY CELLS CONTAINING VERTICAL OR HORIZONTAL REINFORCEMENT AND ANCHOR RODS OR STRAPS, AND OTHER AREAS SPECIFICALLY INDICATED ON DRAWINGS. CONSOLIDATE BY PUDDLING WHEN PLACING AND AGAIN RECONSOLIDATE BEFORE PLASTICITY IS LOST. GROUT USING LOW LIFT GROUTING METHODS AND MAXIMUM 1500 (5'-0") LIFTS. STOP EACH LIFT 40 (1 1/2") BELOW TOP OF MASONRY UNIT.
20.

PREFILL VOIDS IN MASONRY UNITS RECEIVING POST INSTALLED ANCHORS WITH GROUT EXTENDING MIN. 200 AROUND EACH ANCHOR. PREFILL VOIDS IN MASONRY UNITS WITH GROUT FOR A MINIMUM DEPTH OF 190 (8") BELOW STEEL DECK SUPPORTS, AND 390 (16") FORMED SLAB SUPPORTS

INSPECTION AND TESTING

1.

STRUCTURAL STEEL INSPECTION REPORTS TO INCLUDE VERIFICATION OF SPECIFIED MEMBER SIZES AND TOLERANCES AND INSPECTION OF WELDING AND BOLTING. INSPECTOR TO REVIEW WELDERS' CWB CERTIFICATION.
2.

STEEL DECK INSPECTION REPORTS TO INCLUDE VERIFICATION OF MATERIAL GRADE, DECK PROFILE, DECK BEARING, AND CONNECTIONS.
3.

INSPECT POST INSTALLED ANCHORS INCLUDING DRILLED CONCRETE ANCHORS (DCA), DRILLED MASONRY ANCHORS (DMA), ADHESIVE CONCRETE ANCHORS (ACA), ADHESIVE MASONRY ANCHORS (AMA), AND REBAR DOWEL ANCHORS (RDA). RANDOMLY SELECT AND TEST 5% OF ALL OTHER TYPES / SIZES OF POST INSTALLED ANCHORS INSTALLED ON A WEEKLY BASIS, BUT NOT LESS THAN ONE ANCHOR OF EACH TYPE, SIZE, AND ORIENTATION. TEST LOADING AS FOLLOWS:
 - TORQUE TEST EXPANSION ANCHORS FOR COMPLIANCE WITH THE TORQUE SPECIFIED BY THE MANUFACTURER.
 - PULL TEST ADHESIVE ANCHORS IN CONFINED CONDITION IN ACCORDANCE WITH ASTM E3121 TO TWICE THE ALLOWABLE TENSILE LOAD OR 1.5 TIMES THE FACTORED RESISTANCE OF THE ANCHOR GIVEN BY THE MANUFACTURER.
 - PROVIDE FULL TIME INSPECTION DURING INSTALLATION OF ADHESIVE ANCHORS SUBJECT TO SUSTAINED TENSION LOADS INSTALLED IN A HORIZONTAL OR UPWARDLY INCLINED ORIENTATIONS.
4.

POST INSTALLED ANCHOR INSPECTION REPORTS TO INDICATE EACH ANCHOR LOCATION, TEST LOAD, AND MODE OF FAILURE IF APPLICABLE. NOTIFY WSP-S IMMEDIATELY IF ANY ANCHOR FAILS THE PULL TEST.

REJECTED WORK

1.

DO NOT DELIVER MATERIALS WHICH ARE KNOWN NOT TO MEET THE REQUIREMENTS OF THE SPECIFICATIONS. IF REJECTED AFTER DELIVERY, REMOVE IMMEDIATELY FROM SITE.
2.

ALL WORK NOT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.

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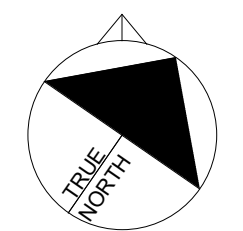


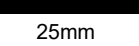
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NORTH ARROW:

DIGITAL REFERENCE:

PROJECT NO.: CA0067247_2663		CONTRACT NO.	
DRAWN BY: MM	CHECKED BY: BS	APPROVED BY: SH	

KEYPLAN:

4	2026-05-12	ISSUED FOR TENDER/ PERMIT
3	2026-04-02	ISSUED FOR 99%
NO.	DATE	ISSUED


PROJECT
PINEVIEW PS - RAAC
REPLACEMENT &
ACCESSIBILITY
UPGRADES

DRAWING TITLE

GENERAL NOTES

DRAWING ABBREVIATIONS

TG-ABBR-01

ABUT	ABUTMENT	DP	DEEP	ld	TENSION DEVELOPMENT LENGTH OF REBAR	SPEC	SPECIFICATIONS
ACA	ADHESIVE CONCRETE ANCHORS, SEE GENERAL NOTES	DWG	DRAWING	ldc	COMPRESSION DEVELOPMENT LENGTH OF REBAR	SPF	SPRUCE PINE FIR
ADDL	ADDITIONAL	DWL	DOWEL	ldh	TENSION EMBEDMENT LENGTH WITH STANDARD HOOK	SR	STUD RAIL
AEC	ARCHITECTURALLY EXPOSED CONCRETE	EA	EACH	LE	LEFT END	SS	STAINLESS STEEL
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL	ECR	EPOXY COATED REINFORCEMENT	LG	LONG	ST	STRAIGHT
AIFB	ASPHALT IMPREGNATED FIBERBOARD	EBF	ECCENTRICALLY BRACED FRAME	LL	LOWER LEVEL	STD	STANDARD
ALT	ALTERNATE	EE	EACH END	LLH	LONG LEG HORIZONTAL	STE	SHEAR TRANSFER ELEMENTS
AMA	ADHESIVE MASONRY ANCHORS, SEE GENERAL NOTES	EF	EACH FACE	LLV	LONG LEG VERTICAL	STG	STAGGERED
ARCH	ARCHITECTURAL	EJ, EXP JT	EXPANSION JOINT	LONG	LONGITUDINAL	STR	STIRRUP
A-ROD	ANCHOR ROD	ELECT	ELECTRICAL	LSH	LONG SIDE HORIZONTAL	STIFF	STIFFENER
ASPH	ASPHALT	EL	ELEVATION	LP	LOW POINT	STL	STEEL
AVG	AVERAGE	ELEV	ELEVATOR	LWT	LIGHT WEIGHT	STR	SEISMIC STRAP
B, BOT	BOTTOM	EMBED	EMBEDMENT	MAX	MAXIMUM	STRUCT	STRUCTURAL
BCE	BOTTOM CHORD EXTENSION	ENG	ENGINEER	MC	MOMENT CONNECTION ()	SWT	SELF WEIGHT
BCP	BORED CONCRETE PILE	EOD	EDGE OF DECK	MECH	MECHANICAL	SYMM	SYMMETRICAL
BEW	BOTTOM EACH WAY	EOS	EDGE OF SLAB	MEZZ	MEZZANINE	T	THICKNESS
BH	BOREHOLE	ES	EACH SIDE	MF	MOMENT FRAME	TB	TRANSFER BEAM
BL	BOTTOM LOWER LAYER	EQ	EQUAL	MIN	MINIMUM	TBB	TOP BASIC BARS
BOF	BOTTOM OF FOOTING	EW	EACH WAY	MISC	MISCELLANEOUS	T	TOP
BOP	BOTTOM OF PILE	EX, EXIST	EXISTING	MJ	MOVEMENT JOINT	TDL	TENSION DEVELOPMENT LENGTH
BP	BASE PLATE	EXT	EXTERIOR	ML	MIDDLE LAYER	TEW	TOP EACH WAY
BRG	BEARING	FC	FUTURE COLUMN	NF	NEAR FACE	T&G	TONGUE AND GROOVE
BRP	BEARINGS PLATE	FD	FLOOR DRAIN	NIC	NOT IN CONTRACT	TJ	TIE JOIST
BSMT	BASEMENT	FF	FAR FACE	NOM	NOMINAL	TLL	TOP LOWER LAYER
BLUL	BOTTOM UPPER LAYER	FIN	FINISHED	NTS	NOT TO SCALE	TIO	TOP OF
BLUP	BOTTOM OF UNDERPINNING	FL	FLOOR	OIC	ON CENTER	TOB	TOP OF (GRADE) BEAM
C	CAMBER	FMC	FULL MOMENT CONNECTION (FOR FULL MOMENT CAPACITY)	OD	OUTSIDE DIAMETER	TOC	TOP OF CONCRETE
CA	COLUMN ABOVE ONLY (NO COLUMN BELOW)	FND	FOUNDATION	OF	OUTSIDE FACE	TOF	TOP OF FOOTING
CANT	CANTILEVER	FTG	FOOTING	OPP	OPPOSITE	TOS	TOP OF STEEL
CAT	CATEGORY (FOR AESS)	GA	GAUGE	OWSJ	OPEN WEB STEEL JOIST	TOP	TOP OF PILE
CB	COLUMN BELOW ONLY (NO COLUMN ABOVE)	GALV	GALVANIZED	PAF	POWDER ACTUATED FASTENERS	TOW	TOP OF WALL
CCL	COMPRESSION DEVELOPMENT LENGTH	GB	GRADE BEAM	PC	PILE CAP	TPC	TOP OF PILE CAP
CEL	OUT OFF ELEVATION FOR FILES	GEN	GENERAL	PL	PLATE	TRANS	TRANSVERSE
CIP	CAST-IN PLACE	GL	GRIDLINE	PROJ	PROJECT, PROJECTION	TS	TENSION SPlice "A"
CJ	CONTROL JOINT	GRD	GROUND	PS	PIPE SUPPORT	TSB	TENSION SPlice "B"
CLR	CLEAR	h	TOTAL THICKNESS, SLAB THICKNESS AWAY FROM DROP PANEL	PT	POST TENSIONED	TUL	TOP UPPER LAYER
CL	CENTRELINE	hd	SLAB OVERALL THICKNESS AT DROP PANEL	PTL	PRESSURE TREATED LUMBER	TYP	TYPICAL
CMU	CONCRETE MASONRY UNITS	H, HORIZ	HORIZONTAL	R	RADIUS	U-BAR	"U" SHAPED BAR
CNT	STEEL DECK CORE NOMINAL THICKNESS	(H)	HIGH BEAM	RA	ROOF ANCHOR	UDB	UNIFORMLY DISTRIBUTED BARS
COMP	COMPOSITE	HC	HOLLOWCORE	RD	ROOF DRAIN	UF	UNDERSIDE OF FOOTING
COL	COLUMN	HD	HOLD DOWN	RDA	REBAR DOWEL ANCHORS, SEE GENERAL NOTES	UL	UPPER LEVEL
CONC	CONCRETE	HDG	HOT DIPPED GALVANIZED	RE	RIGHT END	ULS	ULTIMATE LIMIT STATE
CONT	CONTINUOUS	HEF	HORIZONTAL EACH FACE	REINF	REINFORCEMENT	UIS	UNDERSIDE
CONT'D	CONTINUED	HIF	HORIZONTAL INSIDE FACE	REM	REMAINDER	UIN, UNO	UNLESS NOTED OTHERWISE
CONST, J.	CONSTRUCTION JOINT	HH	HOOK EACH END	REQ'D	REQUIRED	UPT	UPTURNED
CP	CONNECTION PLATE	HIC	HORIZONTAL IN CENTRE	REV	REVISION	V, VERT	VERTICAL, VERTICALS
CPL	CAP PLATE	HMA	HOLLOW MASONRY ANCHORS, SEE GENERAL NOTES	RF	RIGID FRAME	VB	VERTICAL BRACING
CS	COMPRESSION LAP SPlice	HOF	HORIZONTAL OUTSIDE FACE	RL	REFERENCE LINE	VEF	VERTICAL EACH FACE
COV	CLEAR COVER	HP	HIGH POINT	RSS	RETAINED SOIL SYSTEM	VIF	VERTICAL INSIDE FACE
CW	COMPLETE WITH, CONNECT WITH	HSC	HORIZONTAL SLOTTED CONNECTION	RTU	ROOF TOP UNIT	VIC	VERTICAL IN CENTRE
CWS	(SEE GENERAL NOTES)	IBI	INTEGRITY BARS INTERIOR	RET, WALL	RETAINING WALL	VOF	VERTICAL OUTSIDE FACE
CLS	(SEE GENERAL NOTES)	IBE	INTEGRITY BARS EXTERIOR	RW	REINFORCE WITH	VSC	VERTICALLY SLOTTED CONNECTION
DCA	DRILLED CONCRETE ANCHOR, SEE GENERAL NOTES	IBA	INTEGRITY BARS ADDED	r.w.	REQUIRED WITH	WB	WALL BELOW
DEMO	DEMOLITION	IBB	INTEGRITY BOTTOM BARS (THROUGHOUT)	SDF	STEP DOWN FOOTING (IN DIRECTION OF ARROW)	WC	WIND COLUMN
DET	DETAIL	ID	INSIDE DIAMETER	SEC	SECTION	w/o	WITHOUT
D.FIR-L	DOUGLAS FIR-LARCH	INT	INTERIOR	SIM	SIMILAR	WP	WORK POINT
DIA, Ø	DIAMETER	IF	INSIDE FACE	SJ	STEEL JOIST	WSP, S	WSP STRUCTURAL
DIV	DIVIDER BEAM	JG	JOIST GIRDER	SL	SLAB, SHELF ANGLE	WWF	WELDED WIRE FABRIC
DMA	DRILLED MASONRY ANCHOR, SEE GENERAL NOTES	KB	KNEE BRACING	SLBB	SHORT LEG BACK TO BACK	ZRP	ZINC RICH PAINT
DN	DOWN	(L)	LOW BEAM	SLS	SERVICEABILITY LIMIT STATE	Yc	CONCRETE DENSITY
DNW	DOUBLE NUT AND WASHER	2-L	BACK TO BACK ANGLES	SOG	SLAB-ON-GRADE		

TENSION DEVELOPMENT LENGTHS AND LAP SPLICES FOR BARS GRADE 400 MPa

TC-REINF-01

TENSION DEVELOPMENT LENGTHS l_d FOR GRADE 400 INDIVIDUAL BLACK BAR IN NORMAL DENSITY CONCRETE												
BAR SIZE	$f_c = 25$		$f_c = 30$		$f_c = 35$		$f_c = 40$		$f_c = 50$		$f_c = 60$	
	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	TOP
10	300 (12")	380 (15")	300 (12")	350 (14")	300 (12")	320 (13")	300 (12")	300 (12")	300 (12")	300 (12")	300 (12")	300 (12")
15	440 (17")	570 (23")	400 (16")	520 (21")	370 (14")	480 (19")	350 (14")	450 (18")	310 (12")	400 (16")	300 (12")	370 (14")
20	580 (23")	750 (30")	530 (21")	690 (27")	490 (19")	640 (25")	460 (18")	600 (24")	410 (16")	530 (21")	380 (15")	490 (19")
25	900 (36")	1170 (46")	830 (32")	1070 (42")	770 (30")	990 (39")	720 (28")	930 (37")	640 (25")	830 (33")	590 (23")	760 (30")
30	1080 (43")	1410 (55")	990 (39")	1290 (51")	920 (36")	1190 (47")	860 (34")	1110 (44")	770 (30")	1000 (39")	700 (28")	910 (36")
35	1260 (50")	1640 (65")	1160 (46")	1500 (60")	1070 (42")	1390 (55")	1000 (40")	1300 (52")	900 (35")	1160 (46")	820 (32")	1060 (42")
45	1620 (64")	2110 (83")	1480 (59")	1930 (76")	1370 (54")	1780 (71")	1290 (51")	1670 (66")	1150 (46")	1490 (59")	1050 (42")	1360 (54")
55	1980 (78")	2580 (102")	1810 (72")	2350 (93")	1680 (66")	2180 (86")	1570 (62")	2040 (81")	1410 (56")	1820 (72")	1280 (51")	1670 (66")

CLASS B TENSION LAP SPlice LENGTHS FOR GRADE 400 INDIVIDUAL BLACK BAR IN NORMAL DENSITY CONCRETE												
BAR SIZE	$f_c = 25$		$f_c = 30$		$f_c = 35$		$f_c = 40$		$f_c = 50$		$f_c = 60$	
	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	TOP
10	390 (16")	490 (19")	390 (16")	450 (18")	390 (16")	420 (17")	390 (16")	390 (16")	390 (16")	390 (16")	390 (16")	390 (16")
15	570 (23")	740 (29")	520 (21")	670 (27")	480 (19")	620 (25")	450 (18")	580 (23")	400 (16")	520 (20")	390 (16")	480 (19")
20	750 (29")	980 (39")	690 (27")	890 (35")	640 (25")	830 (33")	600 (24")	770 (30")	530 (21")	690 (27")	490 (19")	630 (25")
25	1170 (46")	1530 (61")	1070 (42")	1390 (55")	990 (39")	1290 (51")	930 (37")	1210 (48")	830 (33")	1080 (43")	760 (30")	990 (39")
30	1410 (56")	1830 (72")	1290 (51")	1670 (66")	1190 (47")	1550 (61")	1110 (44")	1450 (57")	1000 (39")	1300 (51")	910 (36")	1180 (46")
35	1640 (65")	2130 (84")	1500 (60")	1950 (77")	1390 (55")	1800 (72")	1300 (52")	1690 (67")	1160 (46")	1510 (59")	1060 (42")	1380 (54")

- FOR EPOXY BARS MULTIPLY VALUES IN TABLE BY 1.5 EXCEPT THAT A MULTIPLIER OF 1.2 CAN BE USED WHEN CLEAR COVER IS MORE THAN 3x BAR DIAMETER AND CLEAR SPACING BETWEEN BARS IS MORE THAN 6x BAR DIAMETER.

- FOR SEMI LOW DENSITY CONCRETE ($1850 < Y_c \leq 2150 \text{ kg/m}^3$) MULTIPLY VALUES IN TABLE BY 1.2. FOR LOW DENSITY CONCRETE ($Y_c \leq 1850 \text{ kg/m}^3$) MULTIPLY VALUES IN TABLE BY 1.3.

- FOR BUNDLED BARS, MULTIPLY VALUES IN TABLE BY 1.1 FOR A TWO BAR BUNDLE, 1.2 FOR A THREE BAR BUNDLE AND 1.33 FOR A FOUR BAR BUNDLE.

- *TOP* MEANS THAT THERE IS MORE THAN 300 (12") OF CONCRETE BELOW, AND LESS THAN 300 (12") OF CONCRETE ABOVE THE HORIZONTAL BAR WITHIN THE INDIVIDUAL CONCRETE POUR. ALL HORIZONTAL BARS IN WALLS TO BE CONSIDERED *TOP*.

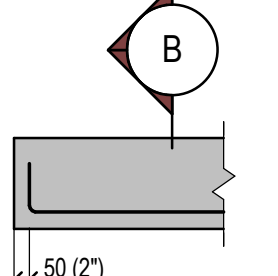
- ALL VERTICAL BARS ARE CONSIDERED "BOTTOM"

MINIMUM TENSION EMBEDMENT LENGTHS WITH STANDARD END HOOKS l_{dh} , FOR GRADE 400 BAR IN NORMAL WEIGHT CONCRETE						
BAR SIZE	$f_c = 25$	$f_c = 30$	$f_c = 35$	$f_c = 40$	$f_c = 50$	$f_c = 60$
10	150 (6")	150 (6")	150 (6")	150 (6")	150 (6")	150 (6")
15	210 (8")	200 (8")	180 (7")	170 (7")	150 (6")	150 (6")
20	280 (11")	260 (10")	240 (10")	230 (9")	190 (8")	190 (8")
25	350 (14")	320 (13")	300 (12")	280 (11")	240 (9")	230 (9")
30	420 (17")	390 (16")	360 (14")	340 (14")	290 (11")	280 (11")
35	490 (20")	450 (18")	420 (17")	390 (16")	340 (13")	320 (13")

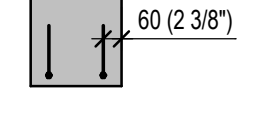
- FOR EPOXY BARS MULTIPLY VALUES IN TABLE BY 1.2

- FOR LOW DENSITY CONCRETE ($f_c \leq 1850 \text{ kg/m}^3$) MULTIPLY VALUES IN TABLE BY 1.3

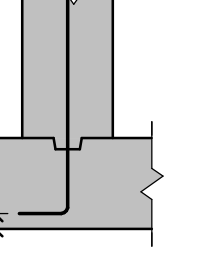
- FOR HOOKS WITH COVER LESS THAN SHOWN IN DETAILS 'A', 'B' AND 'C' MULTIPLY VALUES IN TABLE BY 1.5



A FOR 90° HOOKS ONLY



B FOR 90° AND 180° HOOKS

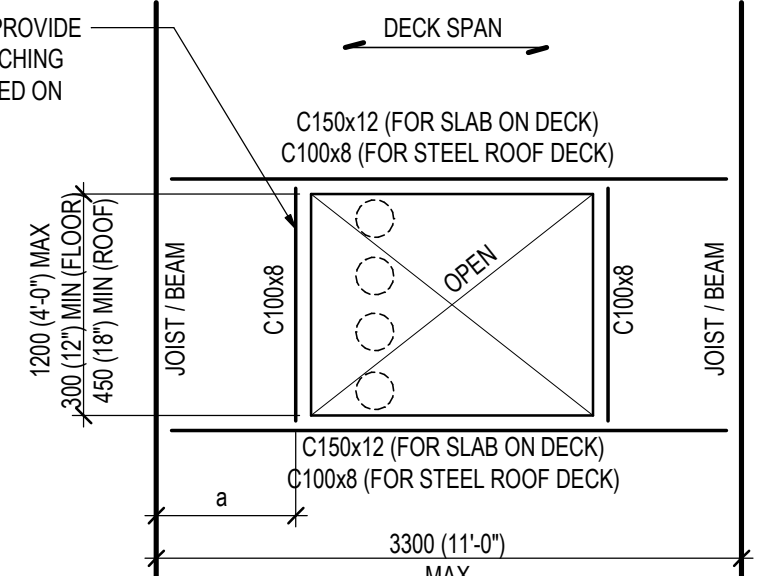


C FOR 90° HOOKS ONLY

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

ADDITIONAL FRAMING AT DECK OPENINGS

TS-DECK-04

If $s \leq 300$ (12"), OMIT C AND PROVIDE ANGLE OR BENT PLATE (MATCHING THE DECK THICKNESS) SEATED ON TOP OF SUPPORTING BEAMS	
	
NOTES: 1. DECK SUPPLIER TO DESIGN AND PROVIDE REINFORCEMENT FOR STEEL ROOF DECK OPENINGS LESS THAN 450 (18") 2. SEE [TS-DECK-03] FOR REINFORCING OF SLAB ON DECK OPENINGS SMALLER THAN 300 (12") 3. MULTIPLE SLEEVES PLACED IN LINE PERPENDICULAR TO DECK SPAN WITH LESS THAN ONE WHOLE DECK FLUTE (COMPLETE WITH TWO WEBS) REMAINING BETWEEN THEM SHOULD BE TRATED AS A SINGLE OPENING. 4. SEE [TS-DECK-22] FOR ROOF DECK EDGE DETAILS.	

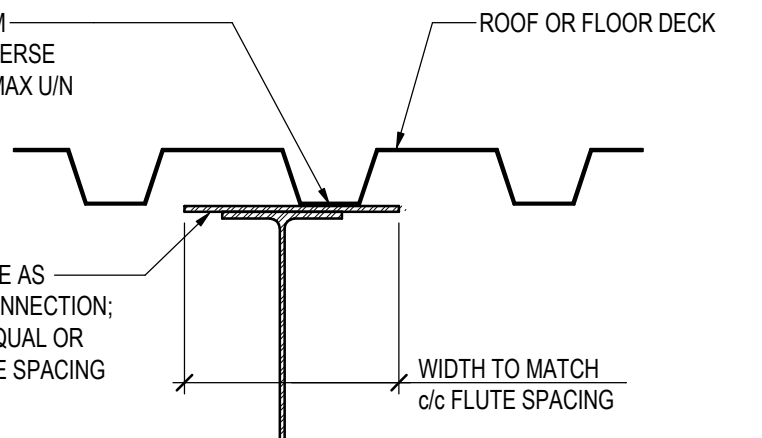
LOADING ABBREVIATIONS

TG-ABBR-02

A_f	FACTORED AXIAL LOAD IN kN (+ INDICATES TENSION, - INDICATES COMPRESSION)
C_f	FACTORED COMPRESSION IN kN
f_c	COMPRESSIVE STRENGTH OF CONCRETE, IN MPa
f_y	YIELD STRENGTH IN MPa
M_f	FACTORED MOMENT IN kN.m
M_{fx}	FACTORED MOMENT ABOUT X-X (STRONG) AXES IN kN.m
M_{fy}	FACTORED MOMENT ABOUT Y-Y (WEAK) AXES IN kN.m
M_{PL}	MASONRY PARTITION DEAD LOAD IN kN/m
MT_f	FACTORED TORSION IN kN.m
R_f	FACTORED VERTICAL REACTION IN kN
R_{Hf}	FACTORED HORIZONTAL REACTION IN kN
P	SPECIFIED (UNFACTORED) POINT LOAD IN kN
P_f	FACTORED POINT LOAD IN kN
V_f	FACTORED SHEAR IN kN
T_f	FACTORED TENSION IN kN
WT	WEIGHT OF MECHANICAL EQUIPMENT

STEEL DECK SUPPORT AT BEAM PARALLEL OR ANGLED TO DECK SPAN

TS-DECK-15

	
CONNECT DECK TO BEAM WITH SPECIFIED TRANSVERSE FASTENERS @ 450 (18") MAX UN	
6 (1/4") THICK CONT PLATE AS REQUIRED FOR DECK CONNECTION. OMIT IF BEAM FLANGE EQUAL OR WIDER THAN DECK FLUTE SPACING	
WIDTH TO MATCH c/c FLUTE SPACING	

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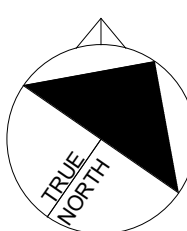
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NORTH ARROW:



DIGITAL REFERENCE:

PROJECT NO.: CA0067247.2663 CONTRACT NO.
DRAWN BY: MM CHECKED BY: BS APPROVED BY: SH
KEYPLAN:

4 2026-05-12 ISSUED FOR TENDER/ PERMIT
3 2026-04-02 ISSUED FOR 99%
NO. DATE ISSUED

PROJECT
PINEVIEW PS - RAAC REPLACEMENT & ACCESSIBILITY UPGRADES

DRAWING TITLE

TYPICAL DETAILS

DRAWING NO.

S105

PRINT DATE: 2026-05-12 3:20:32 PM

STANDARD STEEL LINTELS IN NON LOAD BEARING MASONRY WALLS

TM-WALL-11

NOTES:
1. THIS DETAIL APPLIES FOR HOLLOW MASONRY WALLS AND FOR MASONRY WALLS WITH GROUTED CORES SPACED NOT CLOSER THAN 800 (2'-8").
2. STANDARD LINTELS ARE NOT NECESSARILY SHOWN ON STRUCTURAL DRAWINGS, REFER TO ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR OPENING LOCATIONS.
3. SEE PLANS FOR SPECIAL LINTELS.
4. CONNECT BACK TO BACK DOUBLE ANGLES USING MIN 16 (5/8") BOLTS @ 450 (1'-6") MAX , OR BY WELDING @ TOP & BOTTOM USING 6 (1/4") WELDS x 50 (2") LG @ 450 (1'-6") MAX LOCATE FIRST CONNECTION MAX 75 (3") FROM END OF LINTEL.
5. PROVIDE STEEL PACKING AS REQUIRED TO ENSURE EVEN BEARING OF STEEL LINTELS.
6. FOR LINTELS WHICH ARE SHADED IN SCHEDULE, SPECIAL DETAIL FOR CONNECTION TO CONCRETE WALL/COLUMN IS REQUIRED.
7. FOR FIRE PROTECTIONS OF LINTELS LONGER THAN 3000 (10'-0"), SEE ARCHITECTURAL DRAWINGS AND SPECS.

UNDERSIDE OF STRUCTURE ABOVE, TOP OF MASONRY WALL (IF IN FRONT OF STRUCTURE);
UNDERSIDE OF MATCHING OPENING OR SHELF ANGLE (FOR VENEER)
REINFORCEMENT AT SIDES OF OPENINGS (IF SHOWN ON PLANS OR DETAILS) OFFSET BESIDE LINTEL BEARING
MOVEMENT JOINT IN PARTITIONS (WHERE APPLICABLE)
STANDARD STEEL LINTEL
200 (8") BEARING
MIN 600 (2'-0") LIN
MIN 200 (8") CAST-IN PLACE CONCRETE WALL OR COLUMN
END OF WALL OR MOVEMENT JOINT
FULLY GROUTED OR SOLID MASONRY (TO FLOOR) IF LESS THAN 600 (2'-0") WIDE
PIER
MOVEMENT JOINT IN PERIMETER BACKUP WALL (WHERE APPLICABLE) DO NOT LOCATE AT FACE OF OPENING
ADDITIONAL PLATE (WHERE APPLICABLE) TO STAY 25 (1") CLEAR OF BEARING FACE
SOLID OR FULLY GROUTED SPAN
WHERE WALL THICKNESS IS REDUCED BY RECESSES, INCLUDE IN LINTEL SPAN
T-H HEIGHT OF SUPPORTED MASONRY
L 178x102x13 (LLV) + 2-16 (5/8") DCA (AT WALL CENTERLINE); NOT APPLICABLE FOR LINTELS SHOWN SHADED IN SCHEDULE
MASONRY MOVEMENT JOINT
25 (1") MAX
OPEN

WALL THICKNESS	SPAN	HEIGHT OF SUPPORTED MASONRY "h"			DETAIL
		h≤1200 (4'-0")	1200 (4'-0")<h ≤ 2600 (8'-4")	2600 (8'-4")<h ≤ 4800 (16'-0")	
90 (4") VENEER	UP TO 1200 (4'-0")	L89x89x6.4	L89x89x6.4	L89x89x7.9	
	1200 (4'-0") TO 1800 (6'-0")	L89x89x6.4	L89x89x6.4	L102x89x7.9	
	1800 (6'-0") TO 2400 (8'-0")	L89x89x6.4	L102x89x9.5	L152x89x7.9	
	2400 (8'-0") TO 3000 (10'-0")	L102x89x7.9	L152x89x9.5	L152x89x9.5 + PLATE	
	3000 (10'-0") TO 3600 (12'-0")	L127x89x7.9	L152x89x9.5 + PLATE	N/A	
140 (6")	UP TO 1200 (4'-0")	L127x89x7.9	L152x89x9.5	L152x89x9.5 + PLATE	
	1200 (4'-0") TO 1800 (6'-0")	L127x89x7.9	L152x89x9.5	L152x89x9.5 + PLATE	
	1800 (6'-0") TO 2400 (8'-0")	L127x89x7.9	L152x89x9.5	L152x89x9.5 + PLATE	
	2400 (8'-0") TO 3000 (10'-0")	L127x89x7.9	L152x89x9.5	L152x89x9.5 + PLATE	
	3000 (10'-0") TO 3600 (12'-0")	L127x89x7.9	L152x89x9.5	L152x89x9.5 + PLATE	
190 (8")	UP TO 1200 (4'-0")	L127x89x7.9	L152x89x9.5	L152x89x9.5 + PLATE	
	1200 (4'-0") TO 1800 (6'-0")	L127x89x7.9	L152x89x9.5	L152x89x9.5 + PLATE	
	1800 (6'-0") TO 2400 (8'-0")	L127x89x7.9	L152x89x9.5	L152x89x9.5 + PLATE	
	2400 (8'-0") TO 3000 (10'-0")	L127x89x7.9	L152x89x9.5	L152x89x9.5 + PLATE	
	3000 (10'-0") TO 3600 (12'-0")	L127x89x7.9	L152x89x9.5	L152x89x9.5 + PLATE	
240 (10")	UP TO 1200 (4'-0")	L127x89x7.9	L152x89x9.5	L152x89x9.5 + PLATE	
	1200 (4'-0") TO 1800 (6'-0")	L127x89x7.9	L152x89x9.5	L152x89x9.5 + PLATE	
	1800 (6'-0") TO 2400 (8'-0")	L127x89x7.9	L152x89x9.5	L152x89x9.5 + PLATE	
	2400 (8'-0") TO 3000 (10'-0")	L127x89x7.9	L152x89x9.5	L152x89x9.5 + PLATE	
	3000 (10'-0") TO 3600 (12'-0")	L127x89x7.9	L152x89x9.5	L152x89x9.5 + PLATE	
290 (12")	UP TO 1200 (4'-0")	L127x89x7.9	L152x89x9.5	L152x89x9.5 + PLATE	
	1200 (4'-0") TO 1800 (6'-0")	L127x89x7.9	L152x89x9.5	L152x89x9.5 + PLATE	
	1800 (6'-0") TO 2400 (8'-0")	L127x89x7.9	L152x89x9.5	L152x89x9.5 + PLATE	
	2400 (8'-0") TO 3000 (10'-0")	L127x89x7.9	L152x89x9.5	L152x89x9.5 + PLATE	
	3000 (10'-0") TO 3600 (12'-0")	L127x89x7.9	L152x89x9.5	L152x89x9.5 + PLATE	

AUG 2021

STANDARD MASONRY LINTELS IN NON LOAD BEARING MASONRY WALLS

TM-WALL-12

NOTES:
1. THIS DETAIL APPLIES FOR HOLLOW MASONRY WALLS AND FOR MASONRY WALLS WITH GROUTED CORES SPACED NOT CLOSER THAN 800 (2'-8").
2. STANDARD LINTELS ARE NOT NECESSARILY SHOWN ON STRUCTURAL DRAWINGS, REFER TO ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR OPENING LOCATIONS.
3. SEE PLANS FOR SPECIAL LINTELS.
4. LINTEL BLOCKS TO HAVE SOLID BOTTOM.
5. FILL LINTEL BLOCKS WITH FINE GROUT. IT IS NOT ACCEPTABLE TO FILL LINTELS WITH MORTAR OR COARSE GROUT.
6. SUPPORT LINTELS UNTIL GROUT REACHES SUFFICIENT STRENGTH, BUT NOT LESS THAN 7 DAYS.
7. FOR LINTELS WHICH ARE SHADED IN SCHEDULE, SPECIAL DETAIL FOR CONNECTION TO CONCRETE WALL IS REQUIRED.

UNDERSIDE OF STRUCTURE ABOVE, TOP OF MASONRY WALL (IF IN FRONT OF STRUCTURE);
REINFORCEMENT AT SIDES OF OPENINGS (IF SHOWN ON PLANS OR DETAILS), OFFSET BESIDE MOVEMENT JOINT (WHERE APPLICABLE), OTHERWISE CARRY THROUGH LINTEL BEARING
MOVEMENT JOINT IN PARTITIONS (WHERE APPLICABLE)
STANDARD BLOCK LINTEL
200 (8") BEARING
MIN 600 (2'-0") LIN
MIN 200 (8") CAST-IN PLACE CONCRETE WALL OR COLUMN
END OF WALL OR MOVEMENT JOINT
FULLY GROUTED OR SOLID MASONRY (TO FLOOR) IF LESS THAN 600 (2'-0") WIDE
PIER
MOVEMENT JOINT IN PERIMETER BACKUP WALL (WHERE APPLICABLE) DO NOT LOCATE AT FACE OF OPENING
T-H HEIGHT OF SUPPORTED MASONRY
L 178x102x13 (LLV) + 2-16 (5/8") DCA (AT CONC WALL CENTERLINE); LENGTH TO MATCH MASONRY WALL THICKNESS. NOT APPLICABLE FOR LINTELS SHOWN SHADED IN SCHEDULE
MASONRY MOVEMENT JOINT
25 (1") MAX
OPEN

WALL THICKNESS	SPAN	HEIGHT OF SUPPORTED MASONRY "h"					
		h≤1200 (4'-0")		1200 (4'-0")<h ≤ 2600 (8'-4")		2600 (8'-4")<h ≤ 4800 (16'-0")	
		BLOCK LINTEL DEPTH	REINF: T&B	BLOCK LINTEL DEPTH	REINF: T&B	BLOCK LINTEL DEPTH	REINF: T&B
140 (6")	UP TO 1200 (4'-0")	190 (7 1/2")	1-10	190 (7 1/2")	1-10	390 (15 1/2")	1-10
	1200 (4'-0") TO 1800 (6'-0")	190 (7 1/2")	1-10	390 (15 1/2")	1-10	390 (15 1/2")	1-10+STIRRUPS
	1800 (6'-0") TO 2400 (8'-0")	390 (15 1/2")	1-10	390 (15 1/2")	1-10+STIRRUPS	590 (23 1/2")	1-15+STIRRUPS
	2400 (8'-0") TO 3000 (10'-0")	390 (15 1/2")	1-10	390 (15 1/2")	1-10+STIRRUPS	590 (23 1/2")	1-15+STIRRUPS
	3000 (10'-0") TO 3600 (12'-0")	390 (15 1/2")	1-10	590 (23 1/2")	1-15+STIRRUPS	590 (23 1/2")	1-15+STIRRUPS
190 (8")	UP TO 1200 (4'-0")	190 (7 1/2")	1-10	190 (7 1/2")	1-10	390 (15 1/2")	1-15+STIRRUPS
	1200 (4'-0") TO 1800 (6'-0")	190 (7 1/2")	1-10	390 (15 1/2")	1-15+STIRRUPS	390 (15 1/2")	1-15+STIRRUPS
	1800 (6'-0") TO 2400 (8'-0")	390 (15 1/2")	1-15+STIRRUPS	390 (15 1/2")	1-15+STIRRUPS	590 (23 1/2")	1-15+STIRRUPS
	2400 (8'-0") TO 3000 (10'-0")	390 (15 1/2")	1-15+STIRRUPS	390 (15 1/2")	1-15+STIRRUPS	590 (23 1/2")	1-15+STIRRUPS
	3000 (10'-0") TO 3600 (12'-0")	390 (15 1/2")	1-15+STIRRUPS	590 (23 1/2")	1-15+STIRRUPS	590 (23 1/2")	1-20+STIRRUPS
240 (10")	UP TO 1200 (4'-0")	190 (7 1/2")	1-10	190 (7 1/2")	1-10	390 (15 1/2")	1-15+STIRRUPS
	1200 (4'-0") TO 1800 (6'-0")	190 (7 1/2")	1-10	390 (15 1/2")	1-15+STIRRUPS	390 (15 1/2")	1-15+STIRRUPS
	1800 (6'-0") TO 2400 (8'-0")	390 (15 1/2")	1-15+STIRRUPS	390 (15 1/2")	1-15+STIRRUPS	590 (23 1/2")	1-20+STIRRUPS
	2400 (8'-0") TO 3000 (10'-0")	390 (15 1/2")	1-15+STIRRUPS	390 (15 1/2")	1-15+STIRRUPS	590 (23 1/2")	1-20+STIRRUPS
	3000 (10'-0") TO 3600 (12'-0")	390 (15 1/2")	1-15+STIRRUPS	590 (23 1/2")	1-20+STIRRUPS	590 (23 1/2")	1-20+STIRRUPS
290 (12")	UP TO 1200 (4'-0")	190 (7 1/2")	1-15	190 (7 1/2")	1-15	390 (15 1/2")	1-15+STIRRUPS
	1200 (4'-0") TO 1800 (6'-0")	190 (7 1/2")	1-15	390 (15 1/2")	1-15+STIRRUPS	390 (15 1/2")	1-15+STIRRUPS
	1800 (6'-0") TO 2400 (8'-0")	390 (15 1/2")	1-15+STIRRUPS	390 (15 1/2")	1-15+STIRRUPS	590 (23 1/2")	1-20+STIRRUPS
	2400 (8'-0") TO 3000 (10'-0")	390 (15 1/2")	1-15+STIRRUPS	390 (15 1/2")	1-20+STIRRUPS	590 (23 1/2")	1-20+STIRRUPS
	3000 (10'-0") TO 3600 (12'-0")	390 (15 1/2")	1-15+STIRRUPS	590 (23 1/2")	1-20+STIRRUPS	590 (23 1/2")	1-25+STIRRUPS

AUG 2021

STANDARD STEEL LINTELS IN EXISTING NON LOAD BEARING MASONRY WALLS

TM-WALL-14

NOTES:
1. THIS DETAIL APPLIES FOR HOLLOW MASONRY WALLS AND FOR MASONRY WALLS WITH GROUTED CORES SPACED NOT CLOSER THAN 800 (2'-8").
2. IF PREFERRED, TYPICAL DETAILS FOR LINTELS IN NEW WALLS CAN BE USED INSTEAD OF THIS DETAIL.
3. STANDARD LINTELS ARE NOT NECESSARILY SHOWN ON STRUCTURAL DRAWINGS, REFER TO ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR OPENING LOCATIONS.
4. SEE PLANS FOR SPECIAL LINTELS.
5. IDENTIFY EXISTING MOVEMENT JOINTS, IF LOCATED LESS THAN 900 (3'-0") FROM FACE OF NEW OPENING NOTIFY THE CONSULTANT AND DO NOT CUT BEFORE RECEIVING FURTHER INSTRUCTIONS.
6. GROUT MASONRY AT SUPPORTS PRIOR TO LINTEL INSTALLATION.
7. PROVIDE STEEL PACKING AS REQUIRED TO PROVIDE EVEN BEARING OF STEEL LINTELS.
8. DESIGN AND PROVIDE TEMPORARY SHORING AS REQUIRED.
9. FOR LINTELS WHICH ARE SHADED IN SCHEDULE, SPECIAL DETAIL FOR CONNECTION TO CONCRETE WALL IS REQUIRED.
10. FOR FIRE PROTECTIONS OF LINTELS LONGER THAN 3000 (10'-0"), SEE ARCHITECTURAL DRAWINGS AND SPECS.

UNDERSIDE OF STRUCTURE ABOVE, TOP OF WALL (IF IN FRONT OF STRUCTURE)
STANDARD STEEL LINTEL
200 (8") BEARING
MIN 600 (2'-0") LIN
MIN 200 (8") CAST-IN PLACE CONCRETE WALL
END OF WALL OR EXISTING MOVEMENT JOINT IN PARTITIONS
FULLY GROUTED (TO FLOOR) IF LESS THAN 600 (2'-0") WIDE
PIER
MOVEMENT JOINT IN PERIMETER BACKUP WALL (WHERE APPLICABLE) DO NOT LOCATE AT FACE OF OPENING
ADDITIONAL PLATE (WHERE APPLICABLE) TO STAY 25 (1") CLEAR OF BEARING FACE
SOLID OR FULLY GROUTED SPAN
WHERE WALL THICKNESS IS REDUCED BY RECESSES, INCLUDE IN LINTEL SPAN
T-H HEIGHT OF SUPPORTED MASONRY
L 178x102x13 (LLV) + 2-16 (5/8") DCA (AT CONCRETE WALL CENTERLINE); LENGTH TO MATCH MASONRY WALL THICKNESS. NOT APPLICABLE FOR LINTELS SHOWN SHADED IN SCHEDULE
MASONRY MOVEMENT JOINT
25 (1") MAX
OPEN

WALL THICKNESS	SPAN	HEIGHT OF SUPPORTED MASONRY "h"			DETAIL
		h≤1200 (4'-0")	1200 (4'-0")<h ≤ 2600 (8'-4")	2600 (8'-4")<h ≤ 4800 (16'-0")	
140 (6")	UP TO 1200 (4'-0")	L127x89x7.9	L152x89x9.5	L152x89x9.5 + PLATE	
	1200 (4'-0") TO 1800 (6'-0")	L127x89x7.9	L152x89x9.5	L152x89x9.5 + PLATE	
	1800 (6'-0") TO 2400 (8'-0")	L127x89x7.9	L152x89x9.5	L152x89x9.5 + PLATE	
	2400 (8'-0") TO 3000 (10'-0")	L127x89x7.9	L152x89x9.5	L152x89x9.5 + PLATE	
	3000 (10'-0") TO 3600 (12'-0")	L127x89x7.9	L152x89x9.5	L152x89x9.5 + PLATE	
190 (8")	UP TO 1200 (4'-0")	L127x89x7.9	L152x89x9.5	L152x89x9.5 + PLATE	
	1200 (4'-0") TO 1800 (6'-0")	L127x89x7.9	L152x89x9.5	L152x89x9.5 + PLATE	
	1800 (6'-0") TO 2400 (8'-0")	L127x89x7.9	L152x89x9.5	L152x89x9.5 + PLATE	
	2400 (8'-0") TO 3000 (10'-0")	L127x89x7.9	L152x89x9.5	L152x89x9.5 + PLATE	
	3000 (10'-0") TO 3600 (12'-0")	L127x89x7.9	L152x89x9.5	L152x89x9.5 + PLATE	
240 (10")	UP TO 1200 (4'-0")	L127x89x7.9	L152x89x9.5	L152x89x9.5 + PLATE	
	1200 (4'-0") TO 1800 (6'-0")	L127x89x7.9	L152x89x9.5	L152x89x9.5 + PLATE	
	1800 (6'-0") TO 2400 (8'-0")	L127x89x7.9	L152x89x9.5	L152x89x9.5 + PLATE	
	2400 (8'-0") TO 3000 (10'-0")	L127x89x7.9	L152x89x9.5	L152x89x9.5 + PLATE	
	3000 (10'-0") TO 3600 (12'-0")	L127x89x7.9	L152x89x9.5	L152x89x9.5 + PLATE	
290 (12")	UP TO 1200 (4'-0")	L127x89x7.9	L152x89x9.5	L152x89x9.5 + PLATE	
	1200 (4'-0") TO 1800 (6'-0")	L127x89x7.9	L152x89x9.5	L152x89x9.5 + PLATE	
	1800 (6'-0") TO 2400 (8'-0")	L127x89x7.9	L152x89x9.5	L152x89x9.5 + PLATE	
	2400 (8'-0") TO 3000 (10'-0")	L127x89x7.9	L152x89x9.5	L152x89x9.5 + PLATE	
	3000 (10'-0") TO 3600 (12'-0")	L127x89x7.9	L152x89x9.5	L152x89x9.5 + PLATE	

AUG 2021

ARCHITECTURE | 49

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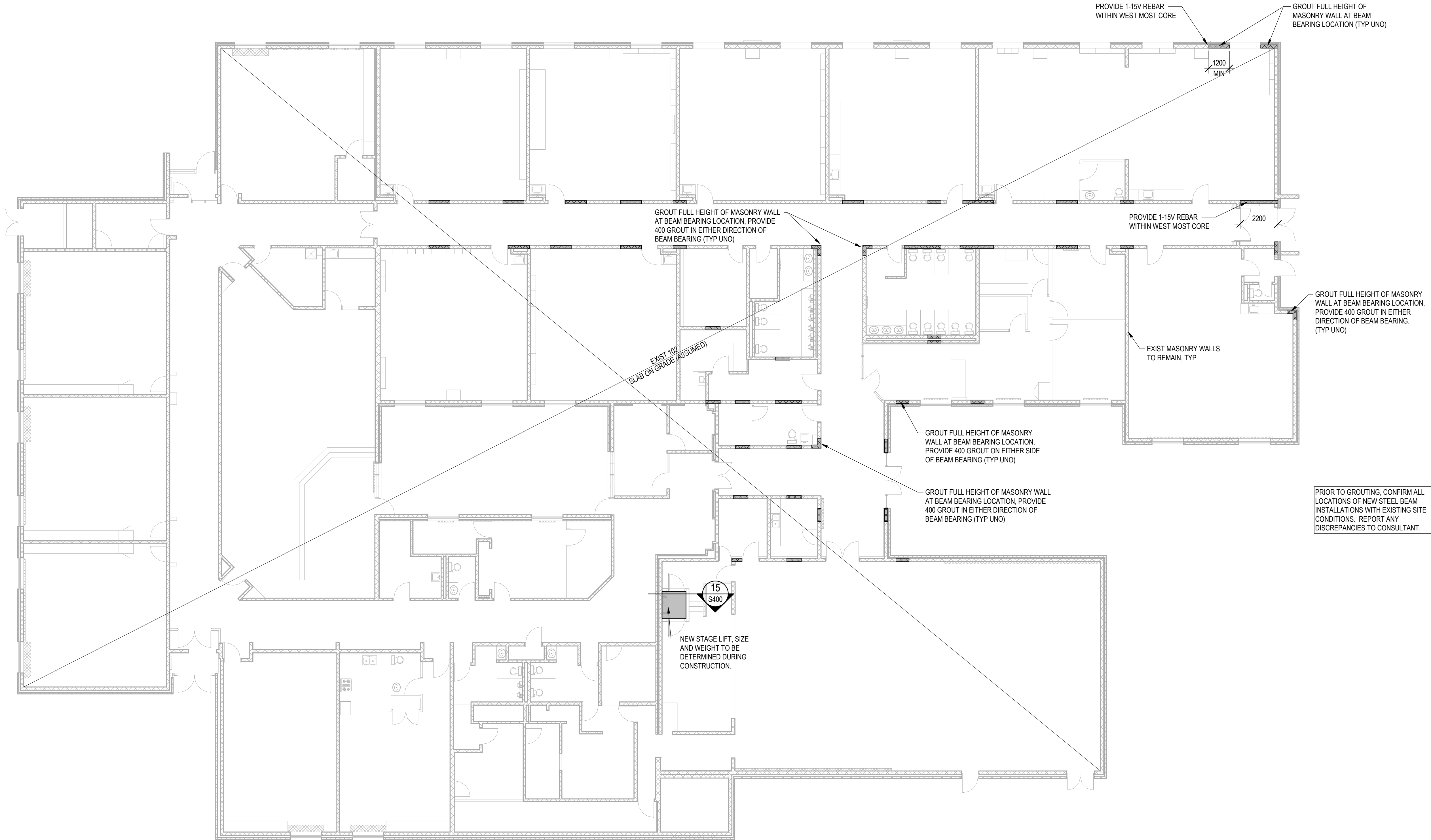
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SEAL:
LICENSED PROFESSIONAL ENGINEER
2026-05-12
S. L. HOWARD
100149116
PROVINCE OF ONTARIO

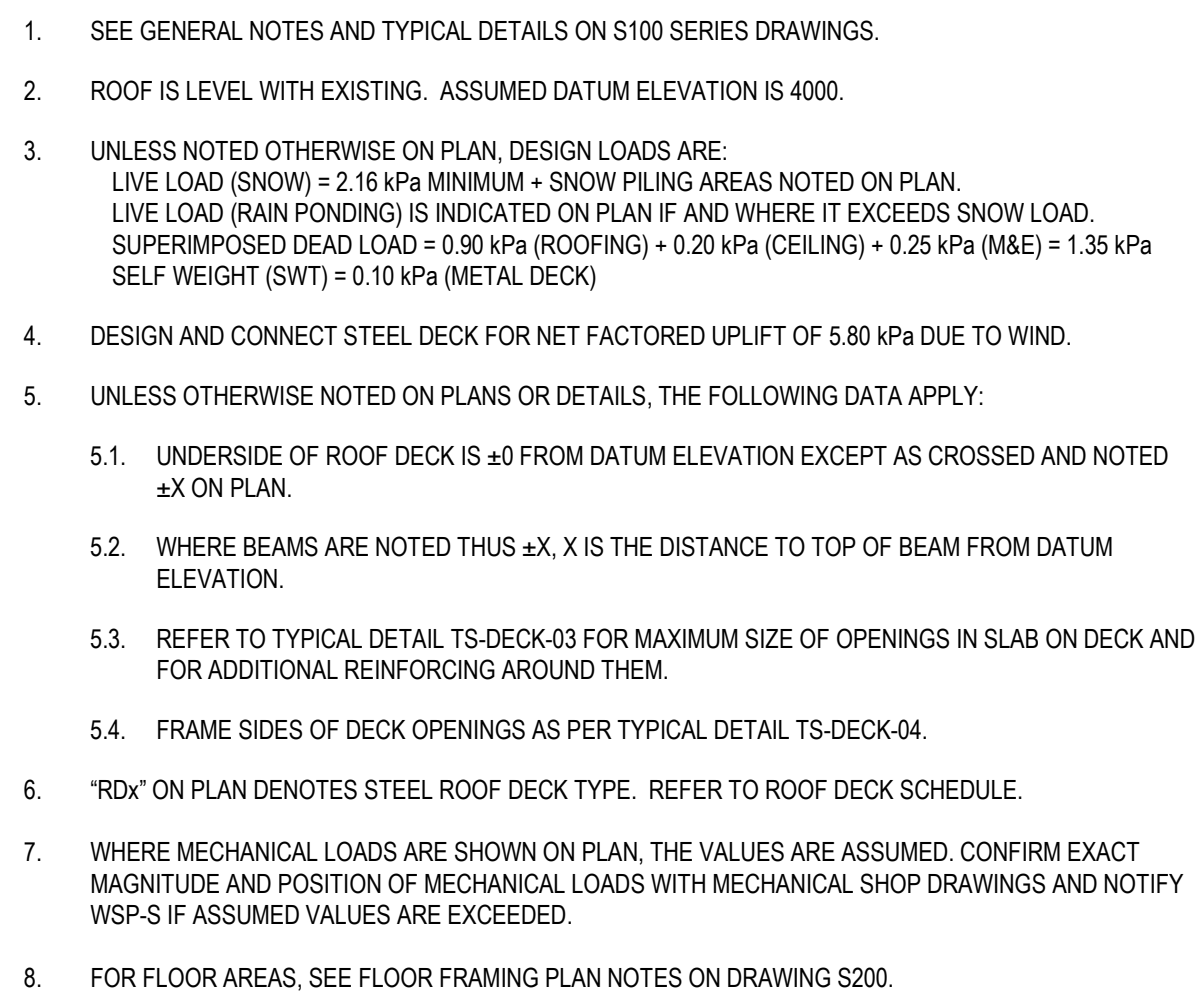
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NORTH ARROW:
DIGITAL REFERENCE:
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DRAWN BY: MM CHECKED BY: BS APPROVED BY: SH
KEYPLAN:
4 2026-05-12 ISSUED FOR TENDER/ PERMIT
3 2026-04-02 ISSUED FOR 99%
NO. DATE ISSUED
PROJECT
PINEVIEW PS - RAAC REPLACEMENT & ACCESSIBILITY UPGRADES
DRAWING TITLE
TYPICAL DETAILS
DRAWING NO. S106
PRINT DATE: 2026-05-12 3:20:33 PM

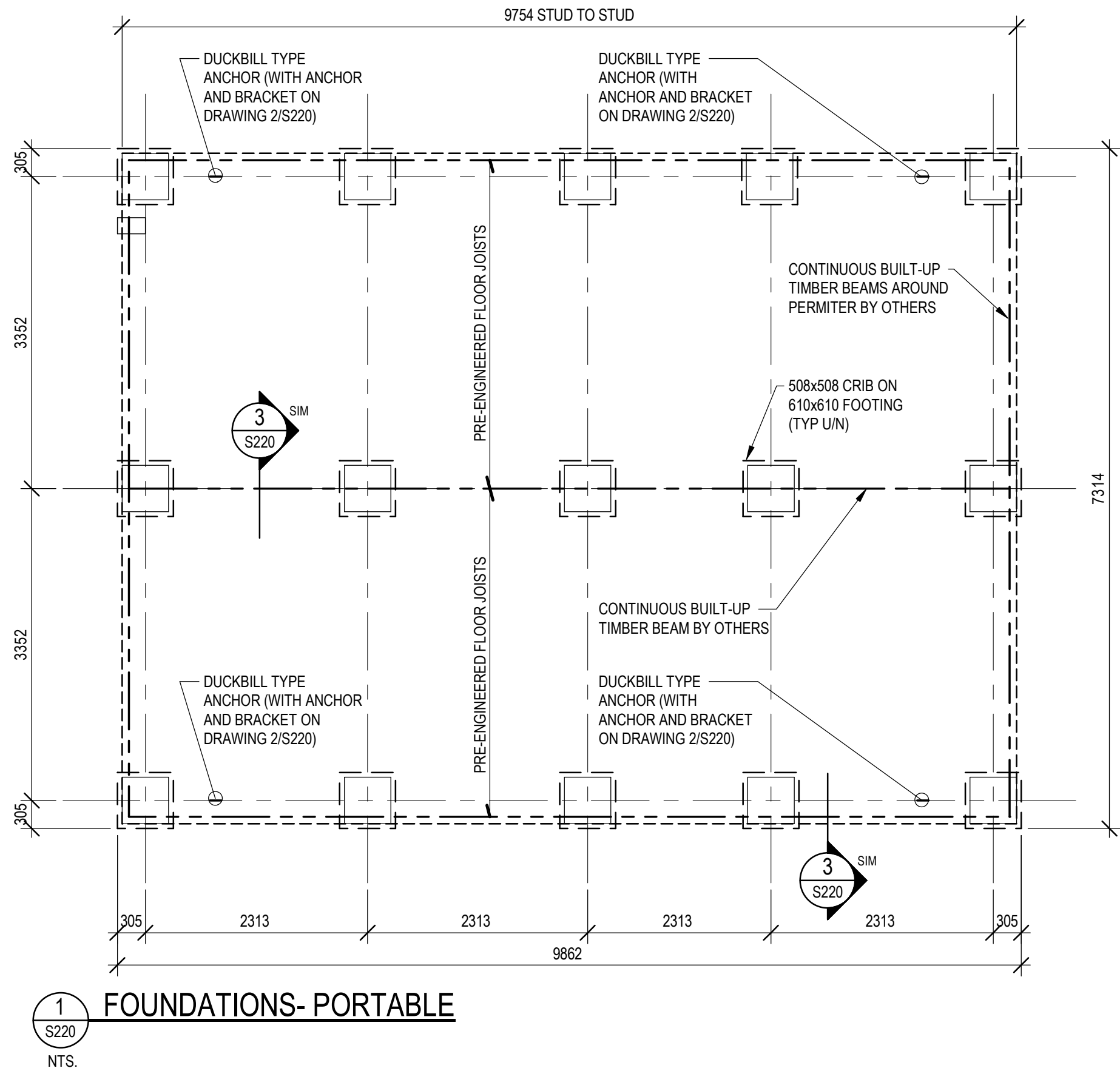


1
S200
GROUND FLOOR PLAN
1:125

GROUND FLOOR FRAMING PLAN NOTES

- SEE GENERAL NOTES AND TYPICAL DETAILS ON S100 SERIES DRAWINGS.
- GROUND FLOOR DATUM ELEVATION IS 0. (ASSUMED)
- UNLESS OTHERWISE NOTED ON PLANS OR DETAILS, THE FOLLOWING DATA APPLY:
 - TOP OF SLAB IS ± 0 FROM DATUM ELEVATION EXCEPT AS CROSSED AND NOTED $\pm X$ ON PLAN.
- WHERE MECHANICAL LOADS ARE SHOWN ON PLAN, THE VALUES ARE ASSUMED. CONFIRM EXACT MAGNITUDE AND POSITION OF MECHANICAL LOADS WITH MECHANICAL SHOP DRAWINGS AND NOTIFY WSP-S IF ASSUMED VALUES ARE EXCEEDED.
- ASSUME EXISTING MASONRY WALLS ARE LOAD BEARING. CONTACT WSP-S PRIOR TO CREATING ANY NEW OPENINGS IN EXISTING MASONRY WALL.



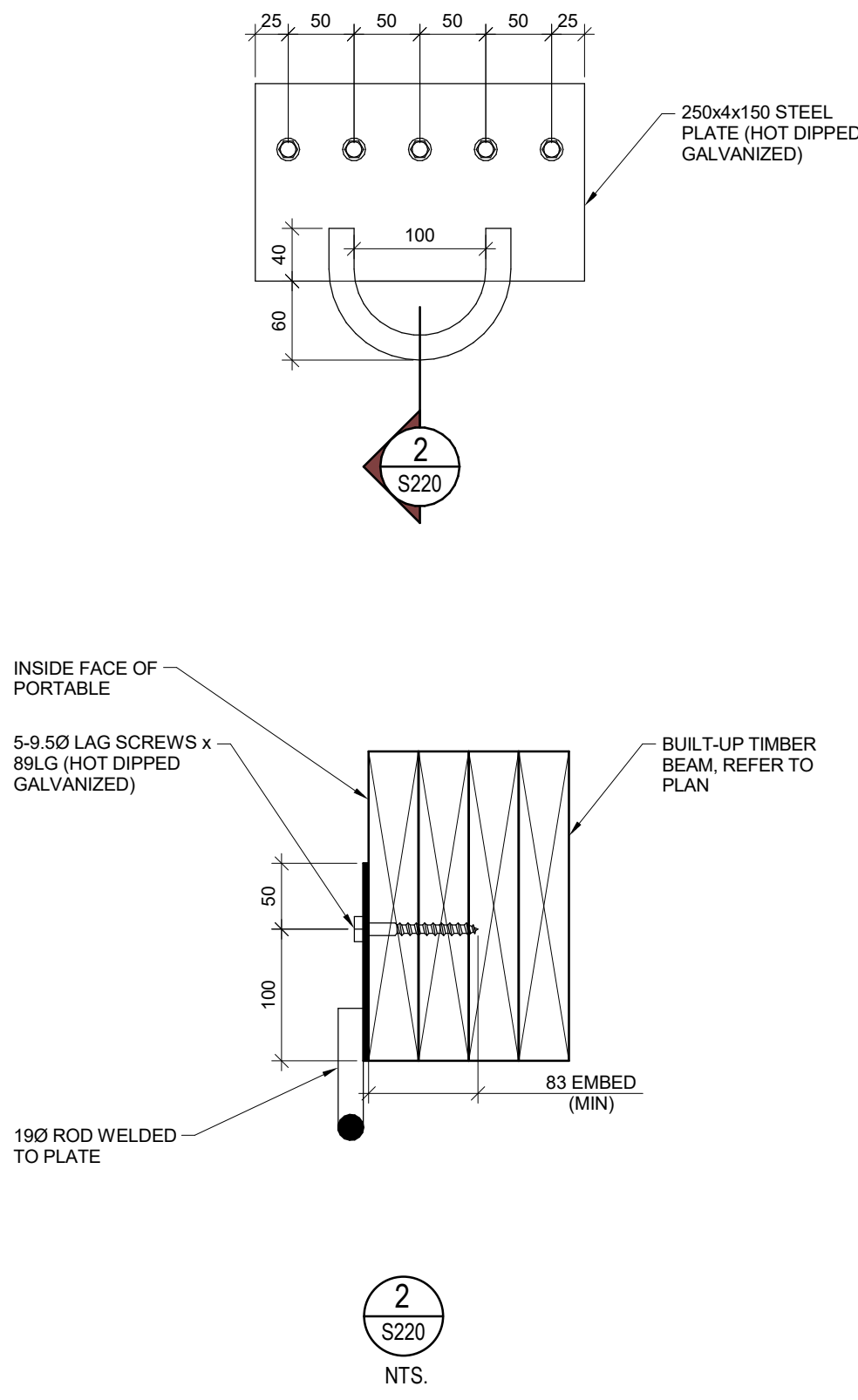


1 S220 FOUNDATIONS- PORTABLE
NTS.

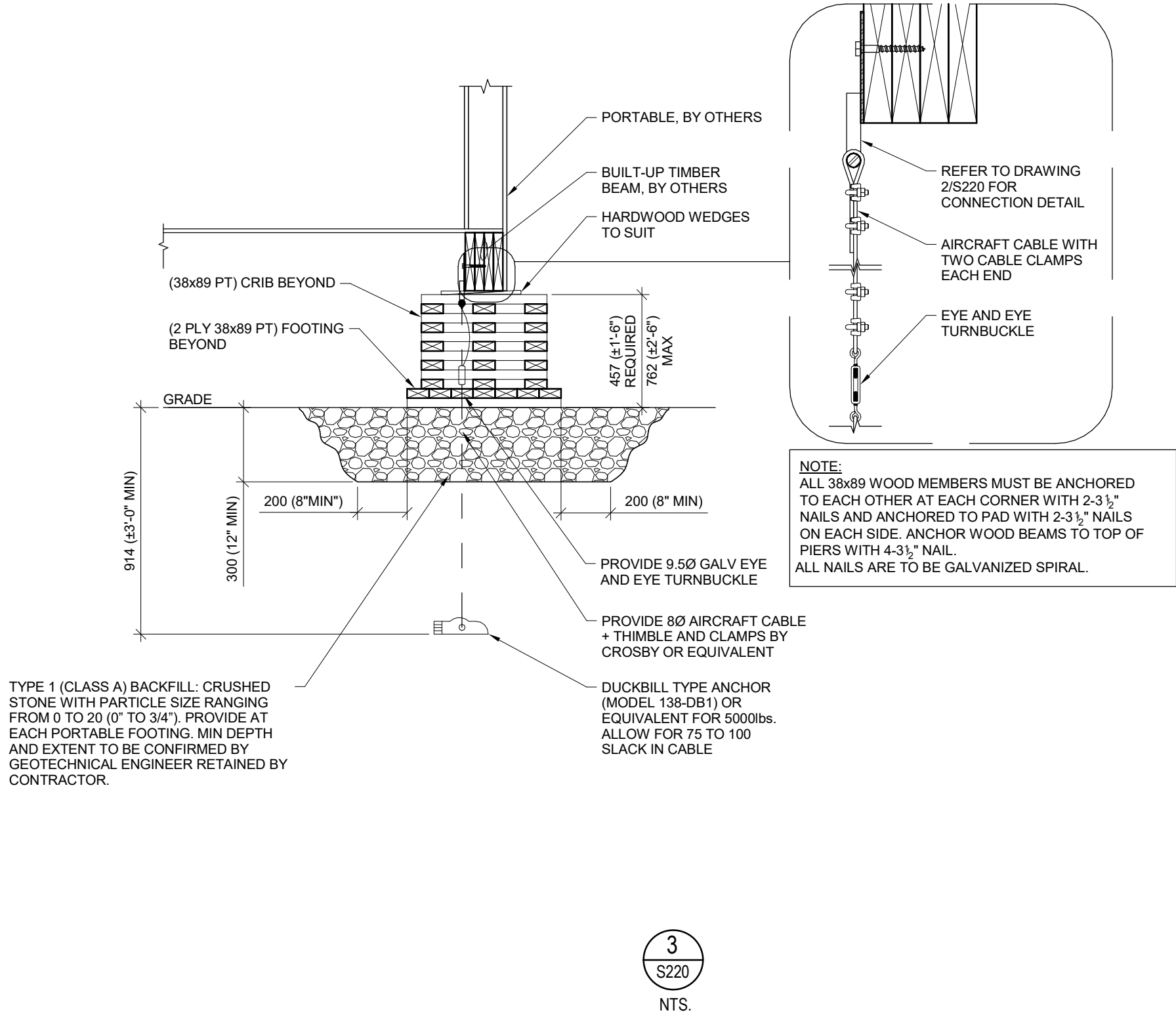
FOUNDATION PLAN NOTES

- TAKE ALL PRECAUTIONS NECESSARY TO PROTECT THE EXISTING STRUCTURE DURING CONSTRUCTION.
- EXISTING CONDITIONS ARE ASSUMED. REPORT ANY INCONSISTENCIES TO THE CONSULTANT BEFORE PROCEEDING. DO NOT SCALE THESE DRAWINGS.
- SUBMIT STRUCTURAL STEEL SHOP DRAWINGS FOR REVIEW BY THE CONSULTANT PRIOR TO FABRICATION. MAKE ALL FIELD MEASUREMENTS NECESSARY FOR FABRICATION AND ERECTION.
- NOTIFY THE CONSULTANT PRIOR TO COVERING UP THE STRUCTURE WITH SKIRTING.
- PRIOR TO COMMENCING EXCAVATION, LOCATE AND IDENTIFY ALL EXISTING UNDERGROUND STRUCTURES AND SERVICES.
- MAINTAIN STRUCTURES AND SERVICES WHICH ARE TO REMAIN OPERATIONAL OR WHICH WILL BE RE-USED. DESIGN AND PROVIDE PROTECTION AND SUPPORT. WHERE REQUIRED, OBTAIN APPROVAL FROM THE AUTHORITIES HAVING JURISDICTION AND DIVERT OR RELOCATE EXISTING SERVICES. REMOVE ALL OTHER STRUCTURES AND SERVICES.
- ESTABLISH LINES OF EXCAVATION AS REQUIRED FOR CONSTRUCTION SAFETY, BUT DO NOT EXCEED 1:1 SLOPE.
- ALL NEW FOOTINGS SHALL BEAR ON GRANULAR PAD CAPABLE OF SUSTAINING 170 kPa BEARING CAPACITY. BEARING CONDITIONS TO BE REVIEWED AND CONFIRMED BY GEOTECHNICAL ENGINEER PRIOR TO CONSTRUCTION. GEOTECHNICAL ENGINEER TO BE RETAINED BY THE CONTRACTOR. BEARING CAPACITY TO BE APPROVED IN WRITING PRIOR TO PLACING NEW FOOTINGS BY GEOTECHNICAL ENGINEER. GEOTECHNICAL ENGINEER TO CARRY LIABILITY INSURANCE TO MINIMUM REQUIRED BY PEO.
- COMPACT BACKFILL TO ACHIEVE THE FOLLOWING STANDARD PROCTOR MAXIMUM DRY DENSITIES:
 - BELOW PORTABLE FOUNDATIONS: 98%
- STRUCTURAL LUMBER:
 - ALL LUMBER TO BE KILN-DRIED AND PRESSURE TREATED. APPLY PRESERVATIVE TREATMENT AT CUT ENDS OF MEMBERS.
 - ALL LUMBER TO BE GRADE MARKED TO CONFORM TO CSA 01
 - ALL LUMBER TO BE SPF No. 2 OR BETTER, UNLESS NOTED OTHERWISE
- SEE GENERAL NOTES AND TYPICAL DETAILS ON S100 SERIES DRAWINGS.
- DESIGN LOADS:

DEAD LOAD:	FLOOR =	0.40 kPa
	WALLS =	0.40 kPa
	ROOF =	0.50 kPa
LIVE LOAD:	FLOOR =	2.40 kPa
	SNOW =	2.16 kPa
- OWNER/INSTALLER TO CONFIRM THAT EACH OF THE BUILT-UP TIMBER BEAMS RESTING ON THE PIERS ARE CONTINUOUS OVER THE ENTIRE LENGTH OF THE PORTABLE.



2 S220
NTS.



3 S220
NTS.

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2026-05-12
S. L. HOWARD
100149116
PROVINCE OF ONTARIO

THIS BAR IS 25mm LONG WHEN PLOTTED AT CORRECT SCALE. DO NOT SCALE DRAWINGS.
25mm

NORTH ARROW:

DIGITAL REFERENCE:

PROJECT NO.: CA0067247.2663 CONTRACT NO.
DRAWN BY: MM CHECKED BY: BS APPROVED BY: SH
KEYPLAN:

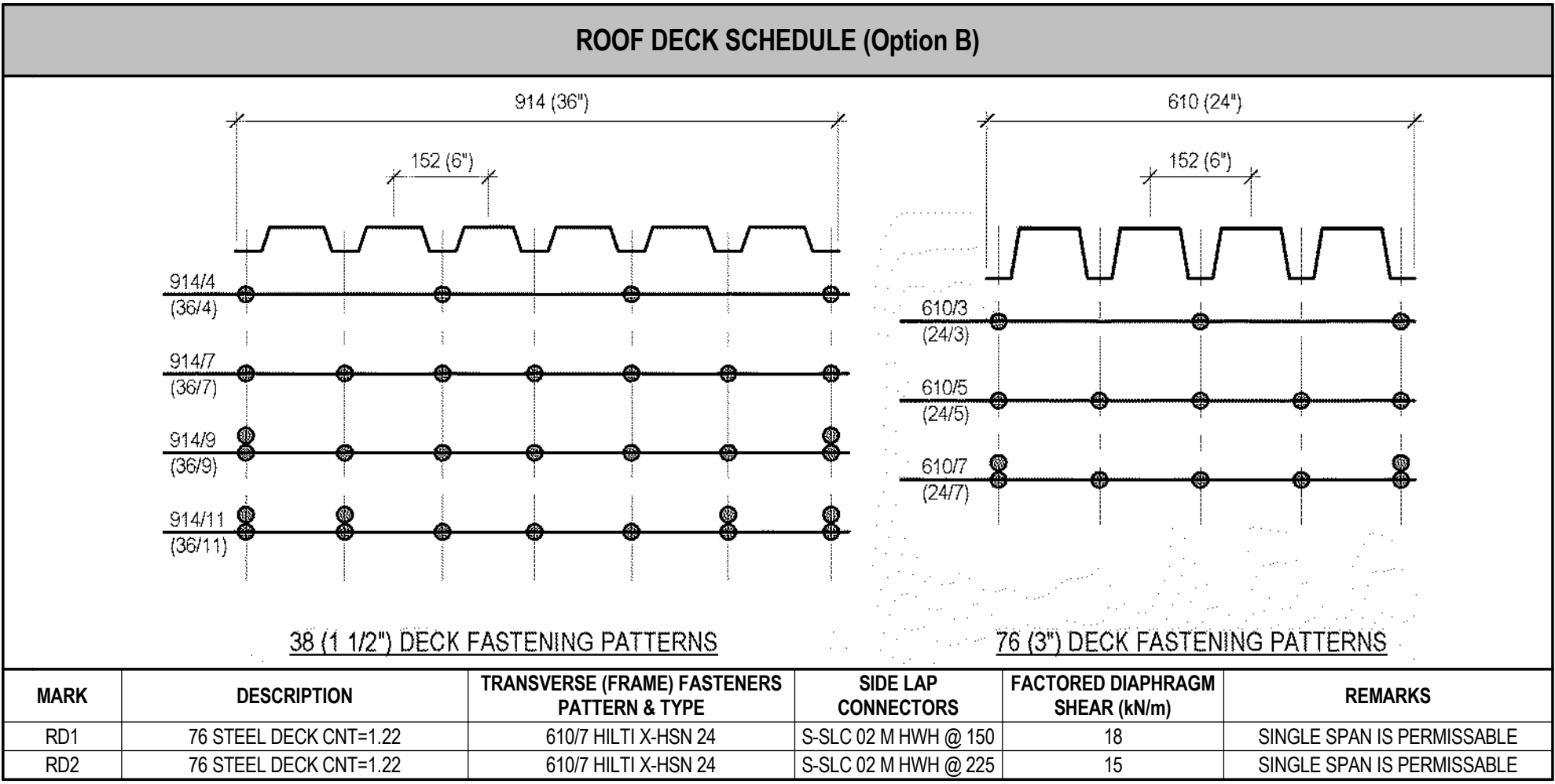
4 2026-05-12 ISSUED FOR TENDER/ PERMIT
3 2026-04-02 ISSUED FOR 99%
NO. DATE ISSUED

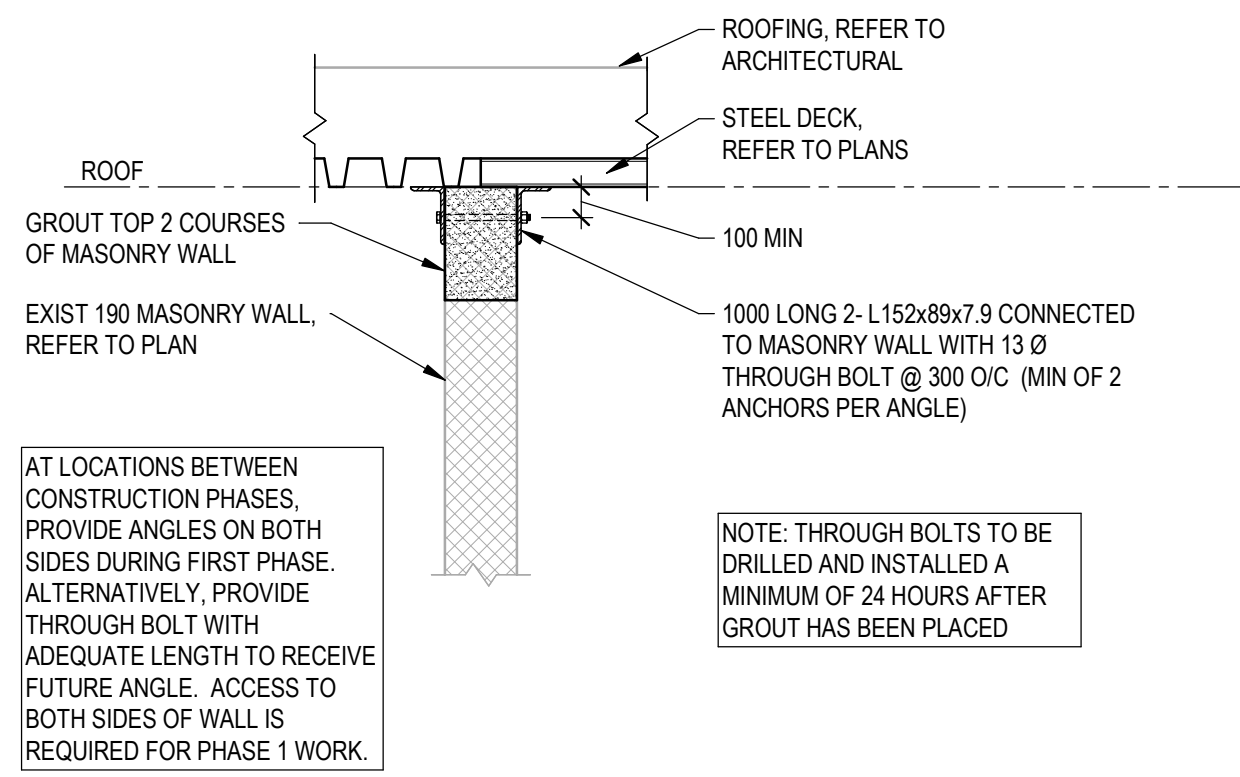
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DRAWING TITLE
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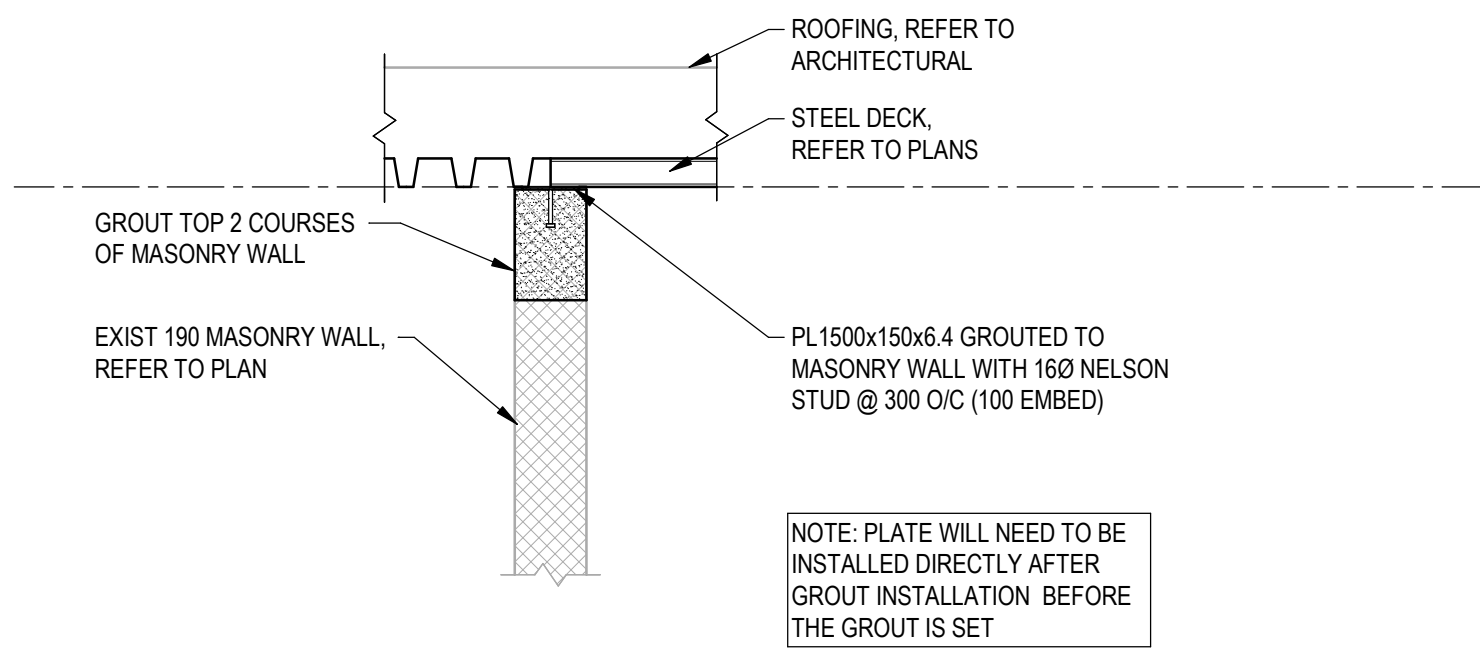
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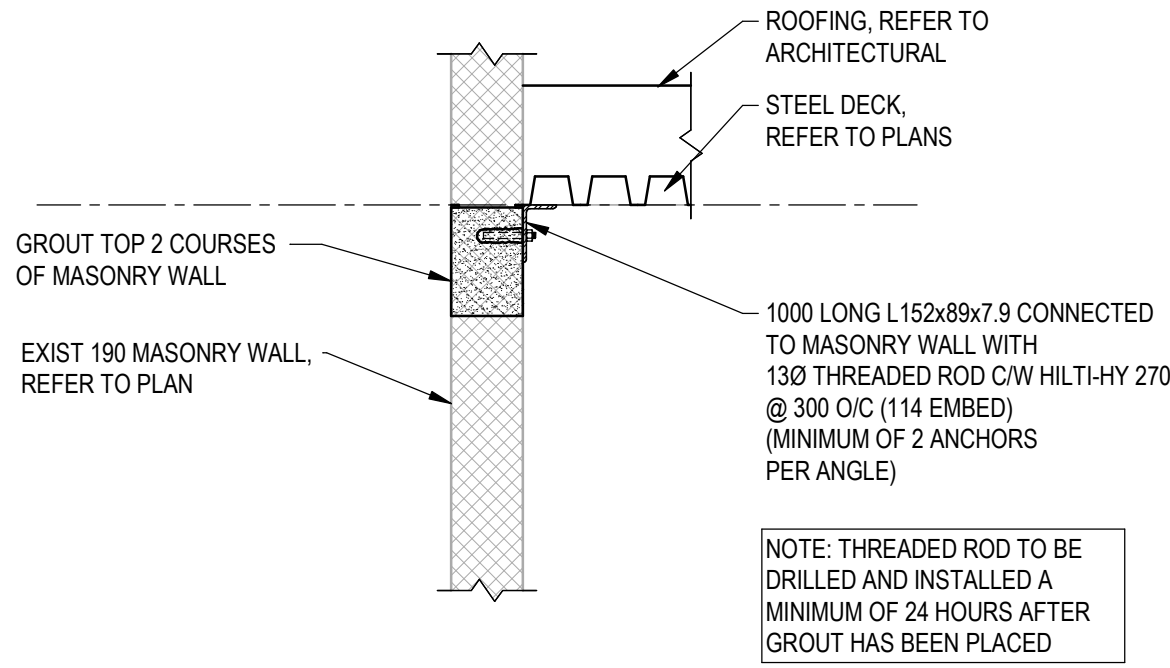




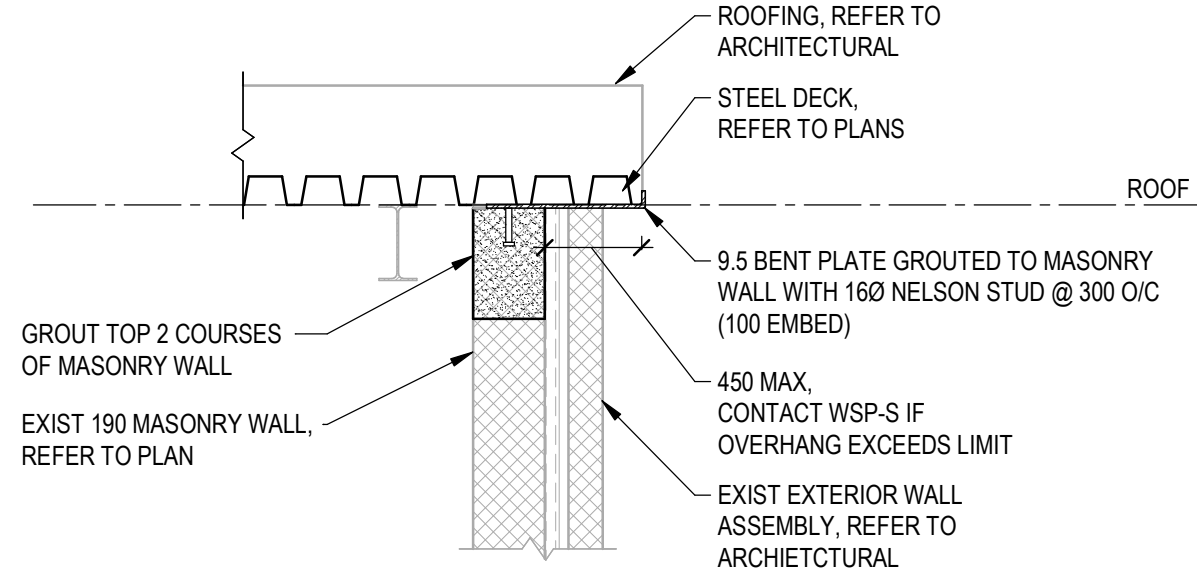
1 SL1 - MASONRY WALL CONNECTION
S400 1:20



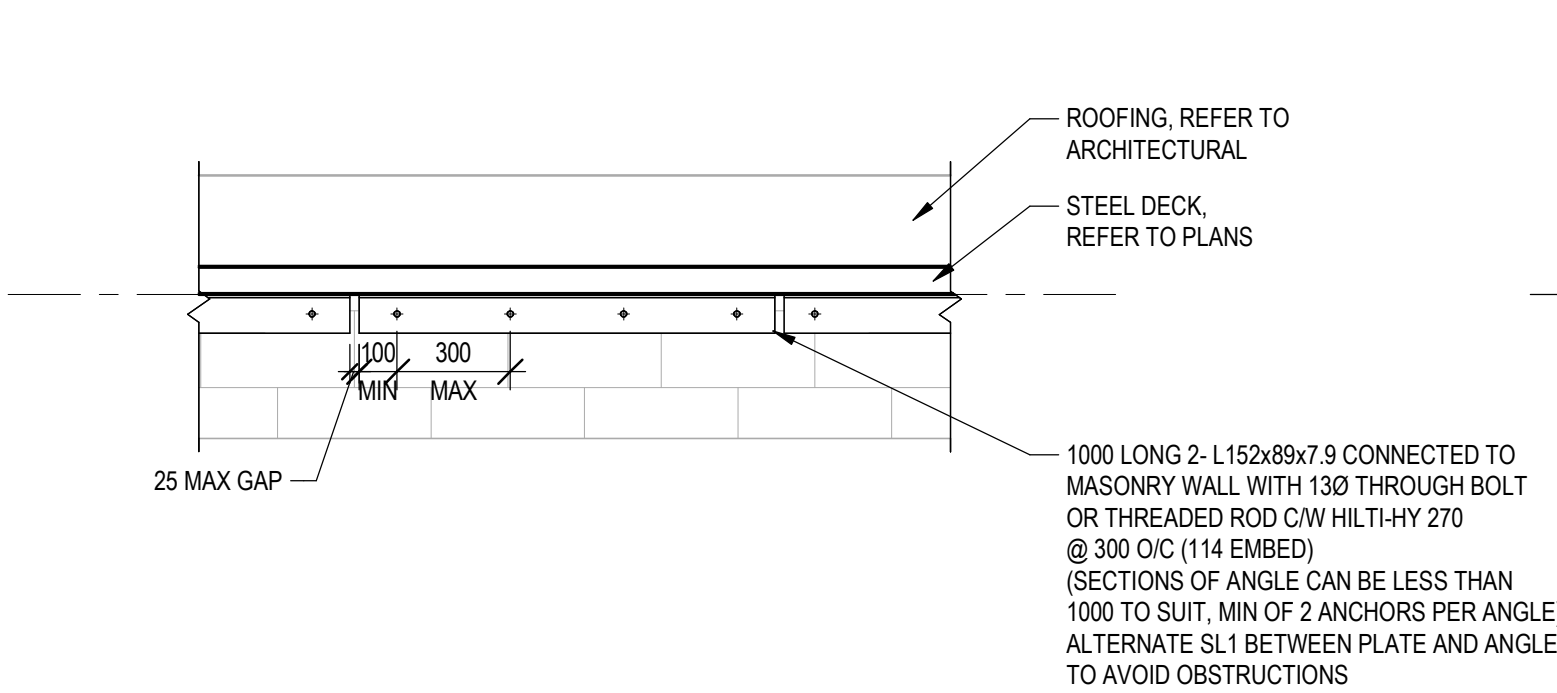
2 SL1 - ALTERNATIVE - MASONRY WALL CONNECTION
S400 1:20



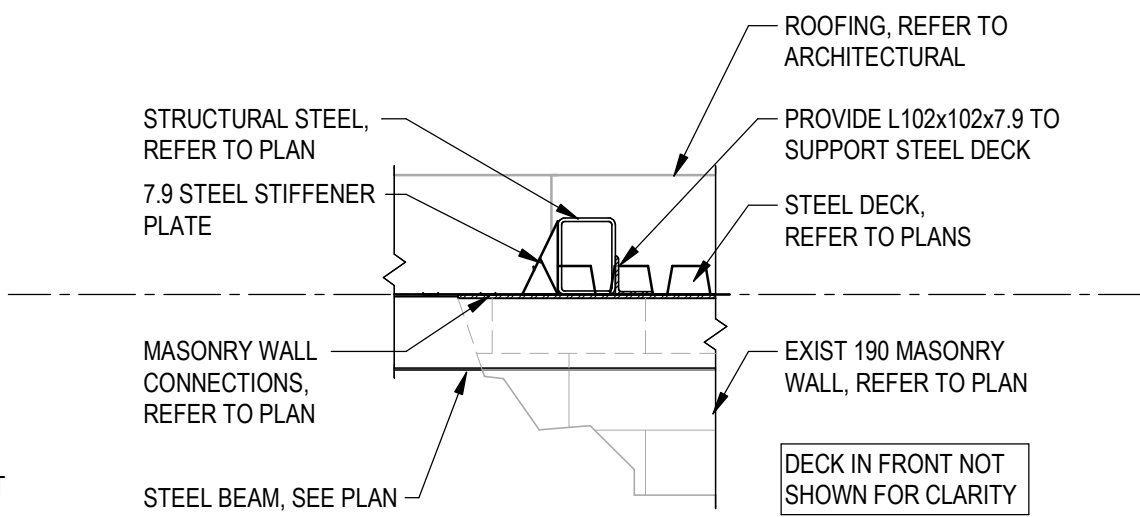
3 SL2 - MASONRY WALL CONNECTION
S400 1:20



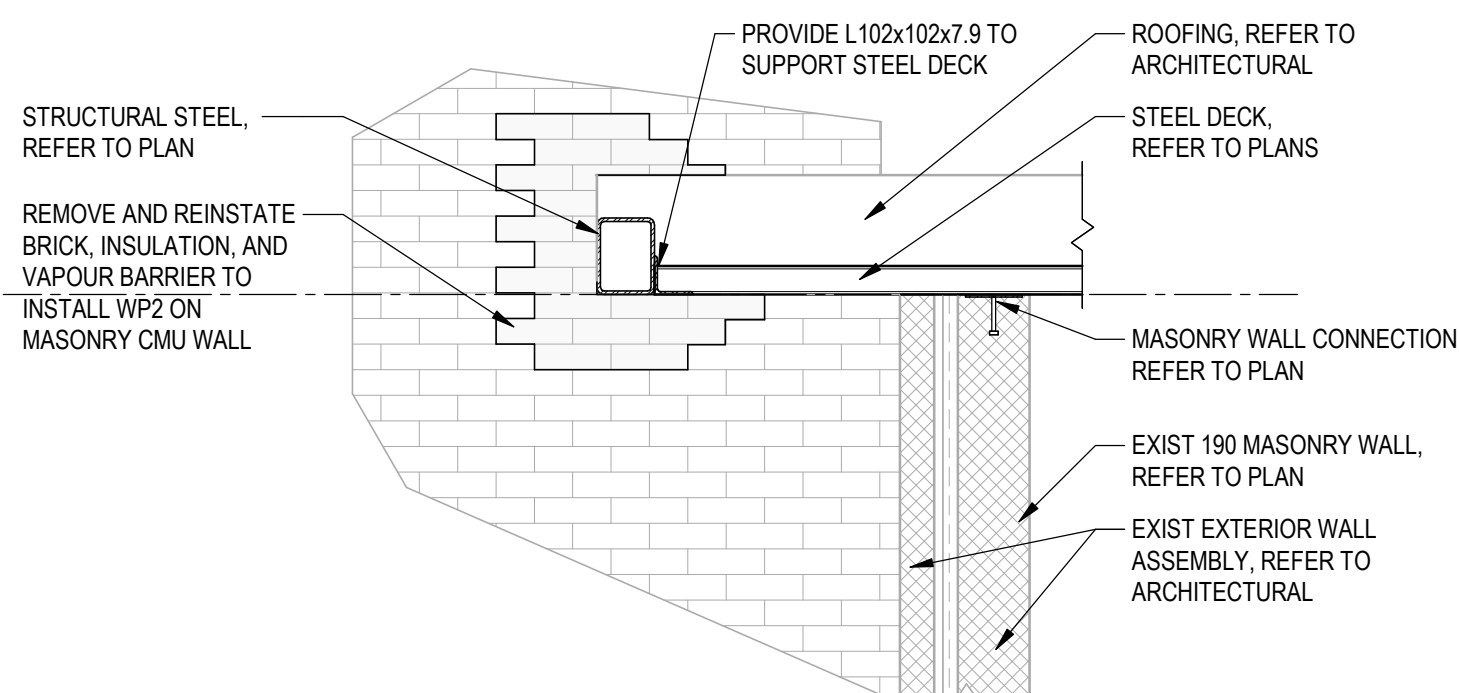
4 SL3 - MASONRY WALL CONNECTION
S400 1:20



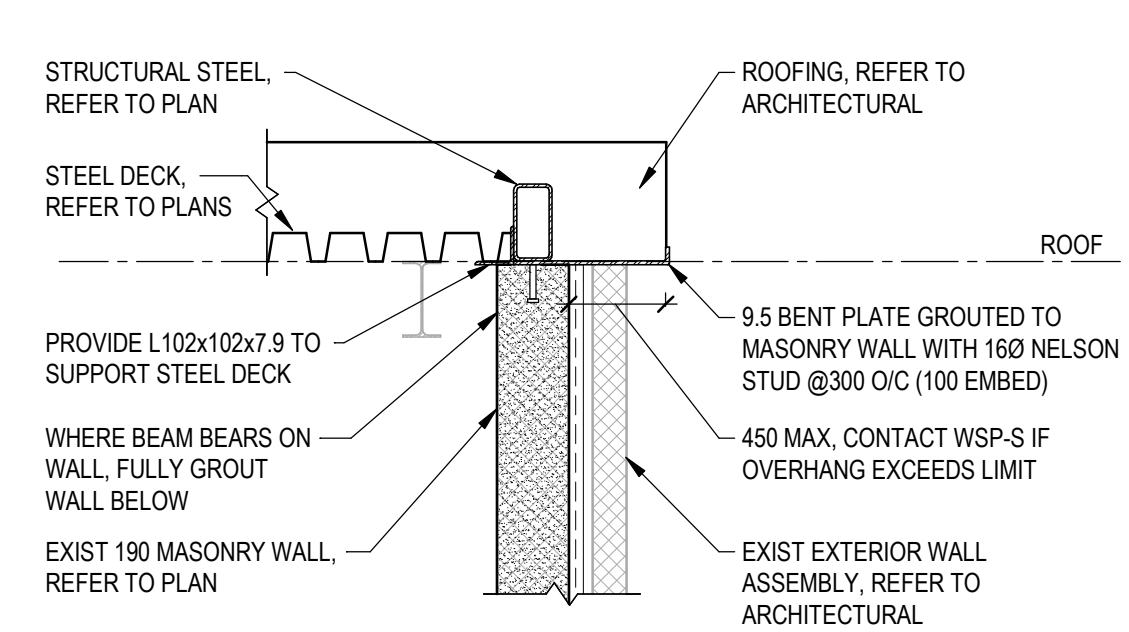
5 SL1 OR SL2 ANGLE ELEVATION
S400 1:20



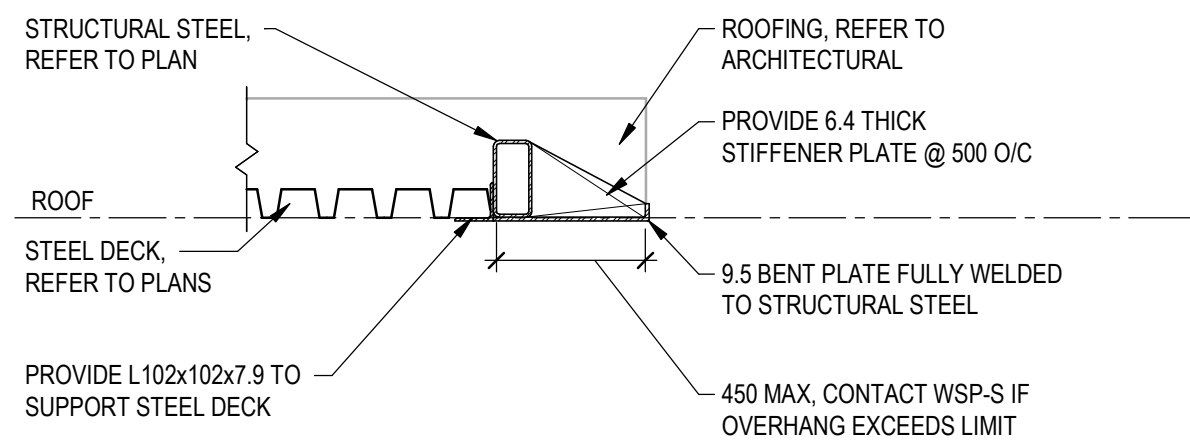
6 ENTRANCE STRUCTURAL STEEL CONNECTION
S400 1:20



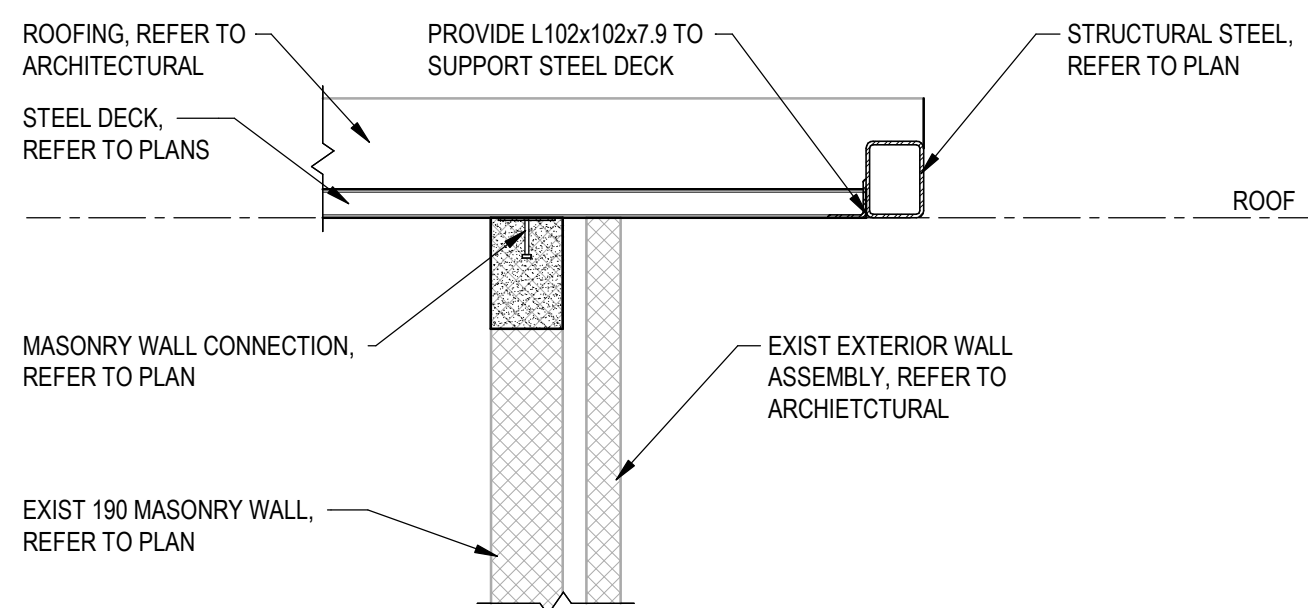
7 ENTRANCE STRUCTURAL STEEL CONNECTION
S400 1:20



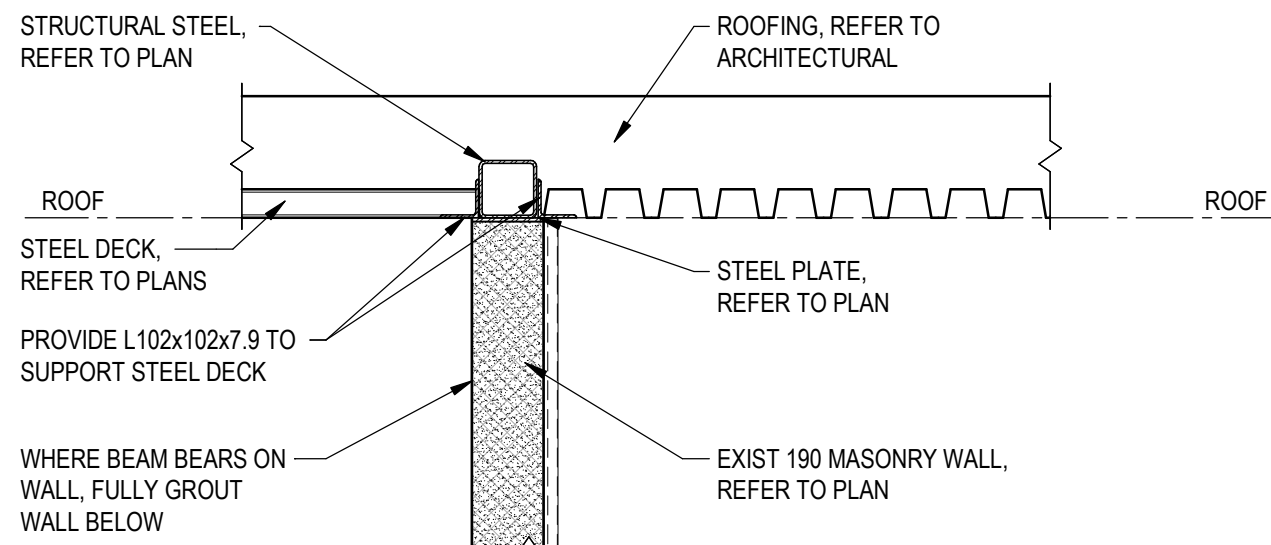
8 ENTRANCE OVERHANG CONNECTIONS
S400 1:20



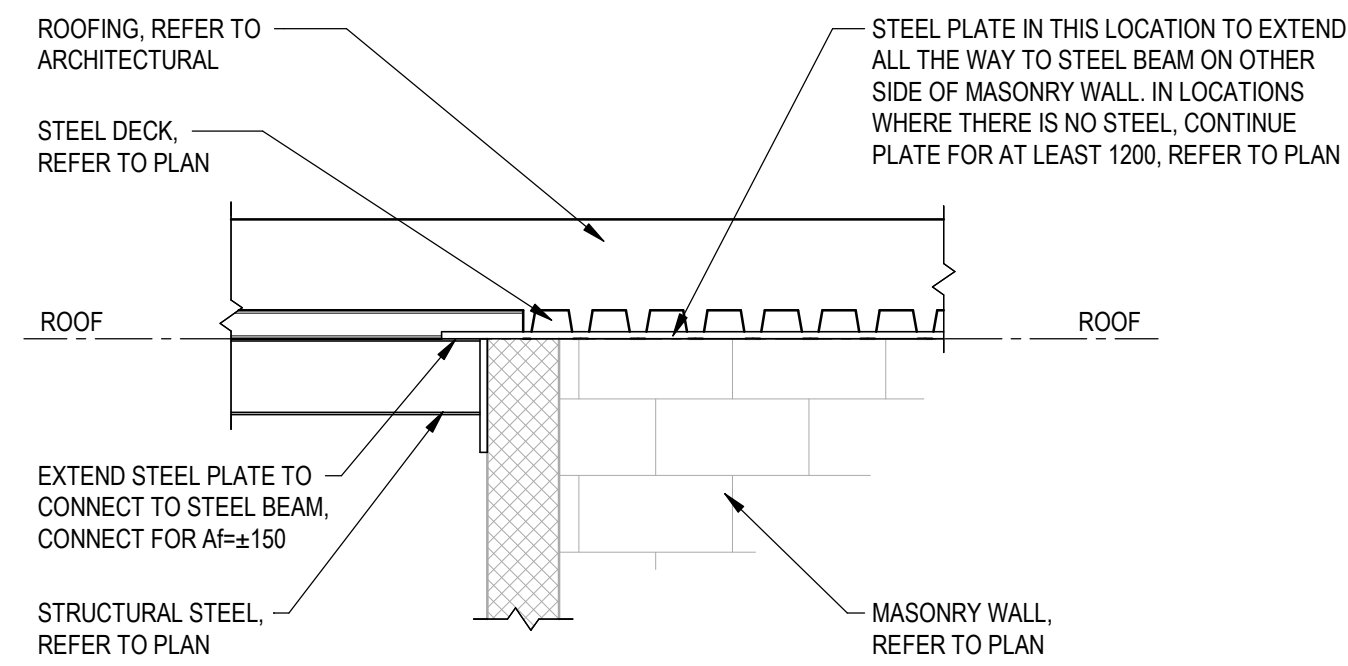
9 ENTRANCE OVERHANG CONNECTIONS
S400 1:20



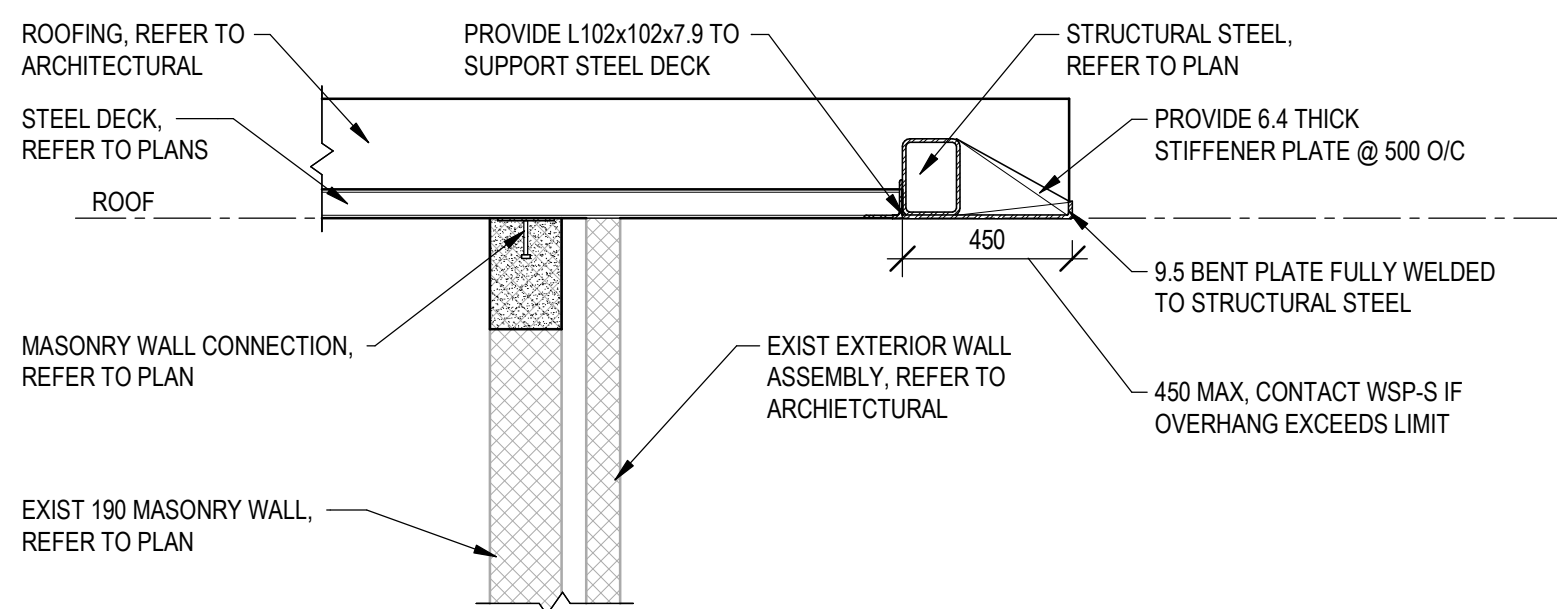
10 ENTRANCE OVERHANG REMEDIATION
S400 1:20



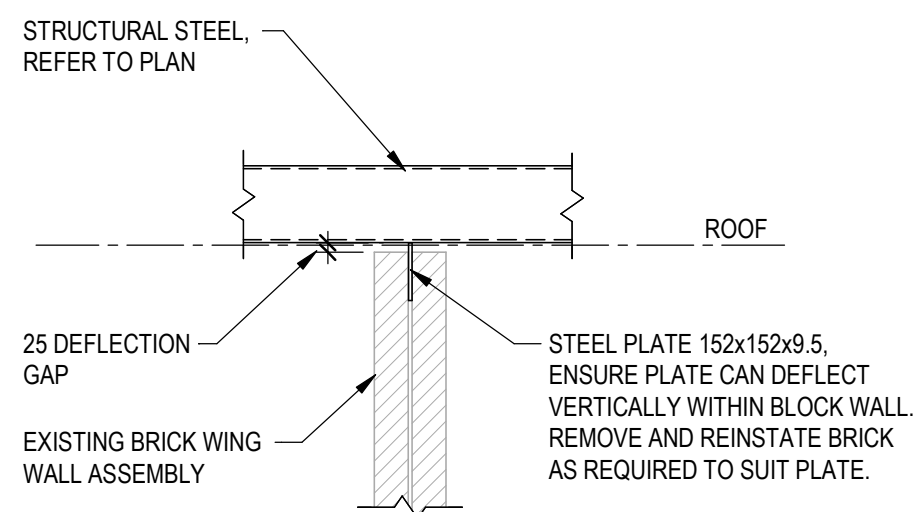
11 STRUCTURAL STEEL ON BLOCK DETAIL
S400 1:20



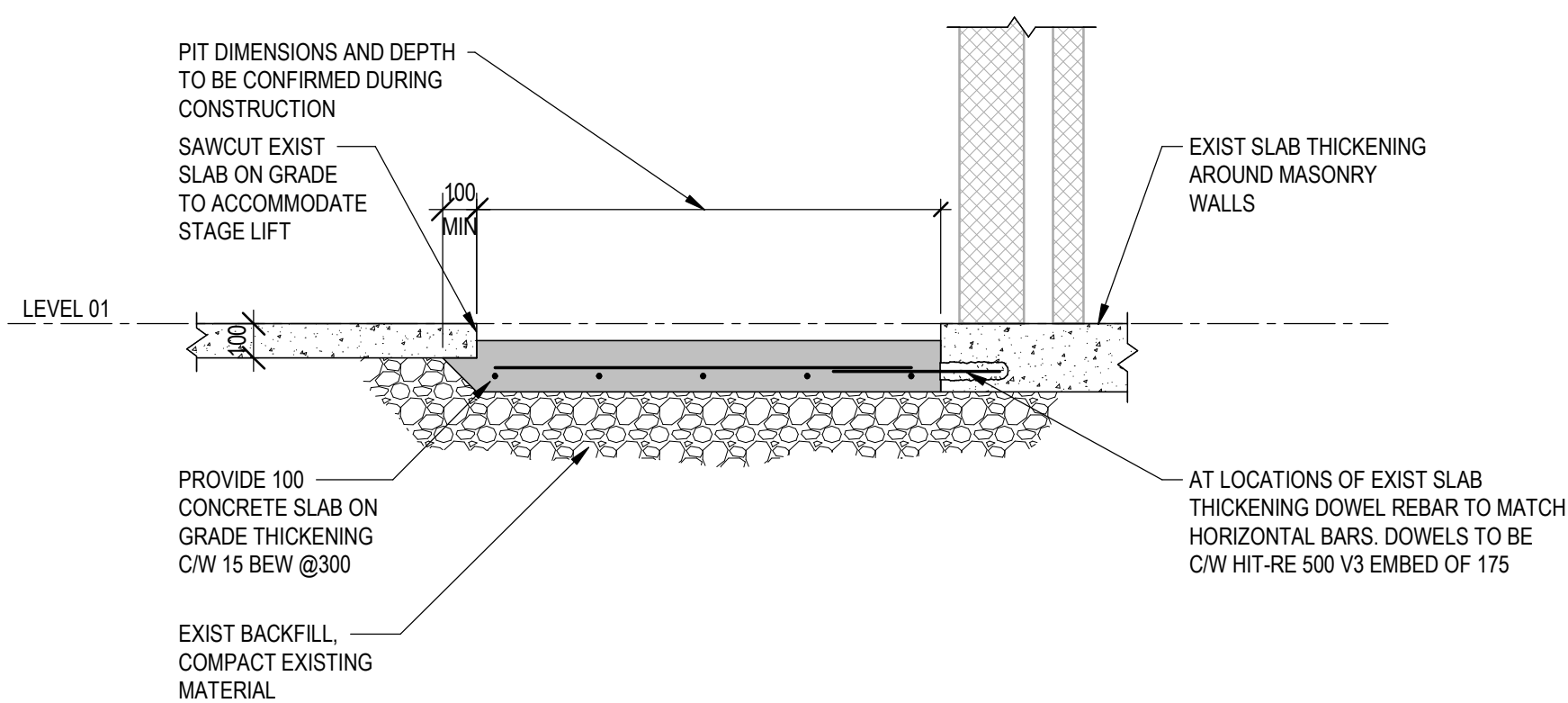
12 EXTENDED PLATE ABOVE MASONRY WALL
S400 1:20



13 ENTRANCE OVERHANG CONNECTIONS
S400 1:20



14 WING WALL LATERAL SUPPORT
S400 1:20



15 STAGE LIFT SLAB ON GRADE REINFORCING
S400 1:20

DRAINAGE & PLUMBING SYSTEMS - LEGEND

	EXISTING DOMESTIC COLD WATER PIPING	WC.*	WATER CLOSET
	EXISTING DOMESTIC HOT WATER PIPING	L.*	LAVATORY
	DOMESTIC HOT WATER RECIRCULATION PIPING	S.*	SINK
	NEW DOMESTIC COLD WATER PIPING	HWT.*	HOT WATER TANK
	NEW DOMESTIC HOT WATER PIPING	DHWRP.*	DOMESTIC HOT WATER RECIRCULATION PUMP
	NEW DOMESTIC HOT WATER RECIRCULATION PIPING	UR.*	URINAL
	REMOVE DOMESTIC COLD WATER PIPING	ET.*	EXPANSION TANK
	REMOVE DOMESTIC HOT WATER PIPING	JS.*	JANITOR'S SINK
	REMOVE HOT WATER RECIRCULATION PIPING	RD.*	ROOF DRAIN
	EXISTING STORM PIPING ABOVE GRADE	HD.*	HUB DRAIN
	EXISTING STORM PIPING BELOW GRADE	FD.*	FLOOR DRAIN
	NEW STORM PIPING ABOVE GRADE	WH.*	WALL HYDRANT
	NEW STORM PIPING BELOW GRADE	BF.*	BOTTLE FILLER
	REMOVE STORM PIPING ABOVE GRADE	FE.*	FIRE EXTINGUISHER
	REMOVE STORM PIPING BELOW GRADE	VTR	VENT THROUGH ROOF (VTR)
	EXISTING SANITARY PIPING ABOVE GRADE		WATER METER
	EXISTING SANITARY PIPING BELOW FLOOR OR SLAB		PUMP
	NEW SANITARY PIPING ABOVE GRADE	NOTES:	
	NEW SANITARY PIPING BELOW FLOOR OR SLAB	-.* - INDICATES TYPE AS SPECIFIED	
	REMOVE SANITARY PIPING ABOVE GRADE	-R - REMOVAL	
	REMOVE SANITARY PIPING BELOW FLOOR OR SLAB	-E - EXISTING TO REMAIN	
	EXISTING VENT PIPING	-G - GUARD	
	NEW VENT PIPING		
	REMOVE VENT PIPING		
	NEW CONDENSATE PIPING		
	CLEANOUT (PROVIDE ACCESS AT FLOOR SURFACE)		
	CLEANOUT (PROVIDE ACCESS ABOVE FLOOR SURFACE)		
	SANITARY TRAP		
	PIPE UP TO ABOVE		
	PIPE DOWN TO BELOW		
	PIPE CONNECTION TO ABOVE		
	PIPE CONNECTION TO BELOW		
	REDUCER		
	UNION		
	CIRCUIT BALANCING VLAVE		
	BUTTERFLY VALVE		
	BALL VALVE		
	CHECK VALVE		

HVAC SYSTEMS DEMOLITION - LEGEND

	EQUIPMENT TO BE REMOVED
	DUCTWORK TO BE REMOVED
	DUCTWORK UP TO HIGHER LEVEL TO BE REMOVED
	GRILLE TO BE REMOVED
	CONTROL ASSOCIATION TO BE REMOVED
	REFRIGERANT PIPING TO BE REMOVED
BBH.*	BASEBOARD HEATER
RAD.*	RADIATOR
AHU.*	AIR HANDLING UNIT
CND.*	CONDENSING UNIT
EF.*	EXHAUST FAN
	EXISTING LOW VOLTAGE TEMPERATURE SENSOR TO BE REMOVED
NOTES:	
-.* - INDICATES TYPE AS SPECIFIED	
-R - REMOVAL	
-E - EXISTING TO REMAIN	

HVAC SYSTEMS RENOVATION - LEGEND

	RIGID DUCT		GRILLE/DIFFUSER TAG
	EXISTING DUCT	A - SIZE (mm X mm OR mmØ)	
	HIDDEN DUCT	B - TYPE	
	INSULATED DUCT	C - AIRFLOW (L/s)	
	ACOUSTICALLY LINED DUCT		BALANCING DAMPER
	SUPPLY DUCT UP TO ABOVE		FIRE DAMPER
	RETURN DUCT UP TO ABOVE	CONTROL ASSOCIATION	
	EXHAUST DUCT UP TO ABOVE	EVAP.*	EVAPORATOR
	SUPPLY DUCT DOWN TO BELOW	EF.*	EXHAUST FAN
	RETURN DUCT DOWN TO BELOW	AHU.*	AIR HANDLING UNIT
	EXHAUST DUCT DOWN TO BELOW	BBH.*	BASEBOARD HEATER
	SUPPLY DIFFUSER	MUA.*	MAKE-UP AIR UNIT
	RETURN / TRANSFER GRILLE	CND.*	CONDENSING UNIT
	SUPPLY GRILLE	FFH.*	FORCED FLOW HEATER
	EXHAUST GRILLE		REVERSE ACTING LINE VOLTAGE THERMOSTAT
	REFRIGERANT PIPING		AVERAGING TEMPERATURE SENSOR
			ELECTRONIC FLAT PLATE TEMPERATURE SENSOR
			ELECTRONIC FLAT PLATE TEMPERATURE SENSOR w/ PUSH BUTTON
			ELECTRONIC TEMPERATURE SENSOR
			ELECTRONIC COMBINATION TEMPERATURE, CARBON DIOXIDE, AND HUMIDITY SENSOR
		NOTES:	
		-.* - INDICATES TYPE AS SPECIFIED	
		-R - REMOVAL	
		-E - EXISTING TO REMAIN	
		-G - GUARD	

ARCHITECTURE 49

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PROJECT NO.: CAD007247.2663 CONTRACT NO. 26-000

DRAWN BY: DC CHECKED BY: DC APPROVED BY: AS

KEYPLAN:

1 2026-05-13 ISSUED FOR TENDER/PERMIT

NO. DATE ISSUED

PROJECT

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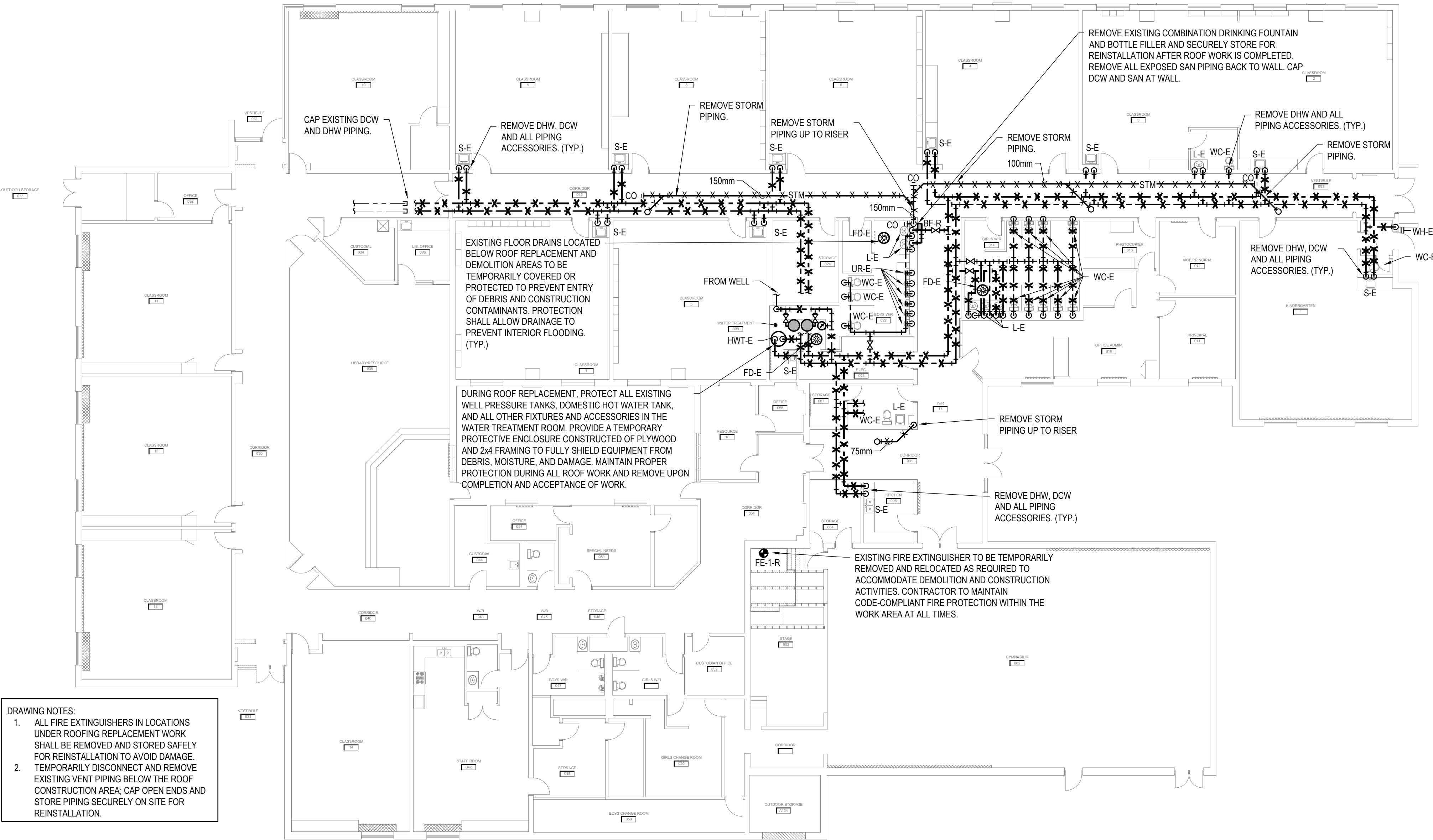
DRAWING TITLE

MECHANICAL LEGEND

DRAWING NO. **M001**

PRINT DATE: 5/13/2026 9:43:57 AM

CONTRACT DRAWINGS
CONTRACT DRAWINGS FOR MECHANICAL WORK ARE IN PART DIAGRAMMATIC. INTENDED TO CONVEY THE SCOPE OF WORK AND GENERAL ARRANGEMENT FOR MECHANICAL SYSTEMS AND EQUIPMENT. CONTRACTOR TO COORDINATE LAYOUT OF MECHANICAL SYSTEMS WITH ARCHITECTURAL, STRUCTURAL, AND ELECTRICAL BUILDING COMPONENTS, AS WELL AS OTHER MECHANICAL SYSTEMS. PROVIDE ADDITIONAL PIPING, DUCTING, FITTINGS, SUPPORTS, ETC., REQUIRED TO FACILITATE THE WORK. NO EXTRA PAYMENTS ARISING FROM FAILURE TO MAKE THIS COORDINATION WILL BE CONSIDERED.



DRAWING NOTES:

- ALL FIRE EXTINGUISHERS IN LOCATIONS UNDER ROOFING REPLACEMENT WORK SHALL BE REMOVED AND STORED SAFELY FOR REINSTALLATION TO AVOID DAMAGE.
- TEMPORARILY DISCONNECT AND REMOVE EXISTING VENT PIPING BELOW THE ROOF CONSTRUCTION AREA; CAP OPEN ENDS AND STORE PIPING SECURELY ON SITE FOR REINSTALLATION.

PLUMBING GROUND FLOOR DEMOLITION
SCALE: 1:150

DEMOLITION NOTES

- REMOVE ALL PLUMBING FIXTURES, PIPING AND OTHER ASSOCIATED ITEMS FOR PLUMBING INDICATED TO BE REMOVED, UNLESS OTHERWISE INDICATED, EXACT LOCATION OF DISCONNECTION, CAPS, QUANTITIES OF PIPING TO BE REMOVED, ETC... TO BE DETERMINED ON SITE.
- EXISTING PLUMBING SHOWN IS DIAGRAMMATIC AND IS BASED ON ORIGINAL DRAWINGS. THE DRAWING MAY NOT BE REPRESENT "AS-BUILT" CONDITIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ON SITE, PRIOR TO TENDER CLOSE. THE EXTENT AND CONFIGURATION OF EXISTING PLUMBING AND ALLOW FOR ADDITIONAL REMOVALS AS DETERMINED ON SITE TO MEET THE INTENT OF THE DEMOLITION INDICATED. NO EXTRAS WILL BE ALLOWED FOR FAILURE OF THE CONTRACTOR IN COMPLETING A THOROUGH REVIEW OF THE SITE PRIOR TO SUBMITTING TENDER PRICE.

EXISTING SYSTEMS DRAWINGS

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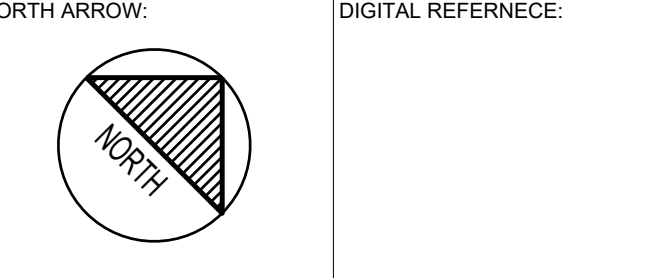


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PROJECT NO.: CAD007247.2663 CONTRACT NO. 26-000
DRAWN BY: DC CHECKED BY: DC APPROVED BY: AS
KEYPLAN:

1	2026-05-13	ISSUED FOR TENDER/PERMIT
NO.	DATE	ISSUED
PROJECT		

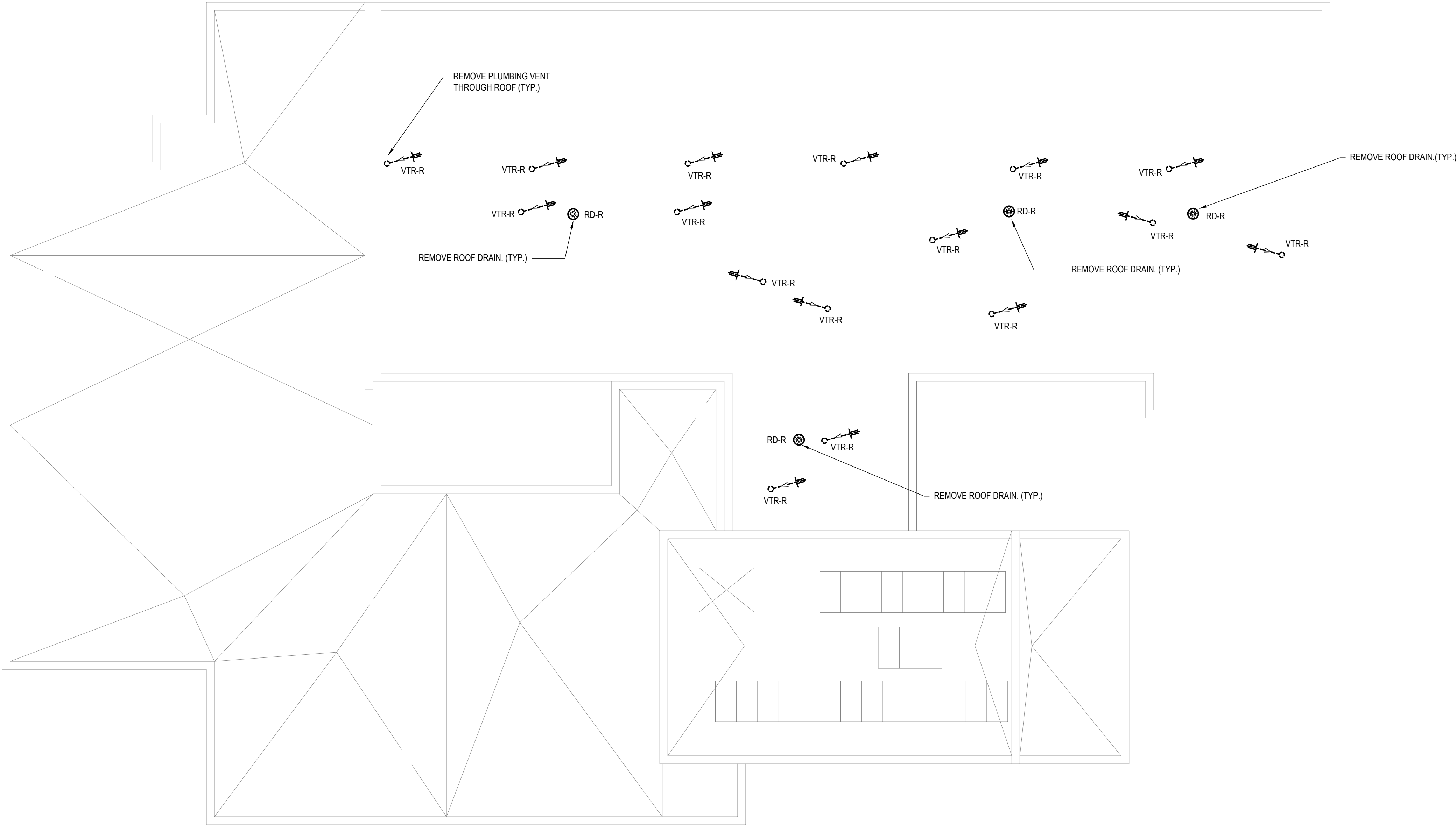
PINEVIEW PS - RAAC REPLACEMENT AND ACCESSIBILITY UPGRADES

DRAWING TITLE

PLUMBING GROUND FLOOR DEMOLITION

DRAWING NO. **M200**

PRINT DATE: 5/13/2026 9:43:57 AM



PLUMBING ROOF DEMOLITION
SCALE: 1:150

DEMOLITION NOTES

- REMOVE ALL PLUMBING FIXTURES, PIPING AND OTHER ASSOCIATED ITEMS FOR PLUMBING INDICATED TO BE REMOVED, UNLESS OTHERWISE INDICATED, EXACT LOCATION OF DISCONNECTION, CAPS, QUANTITIES OF PIPING TO BE REMOVED, ETC... TO BE DETERMINED ON SITE.
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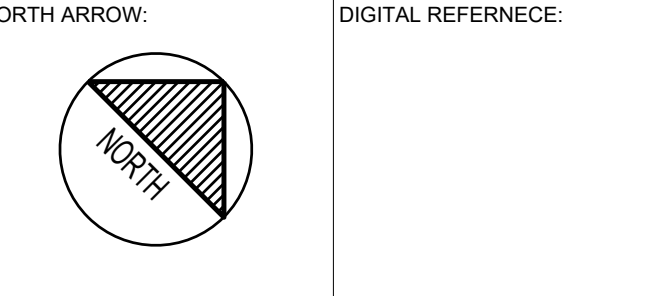


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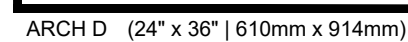
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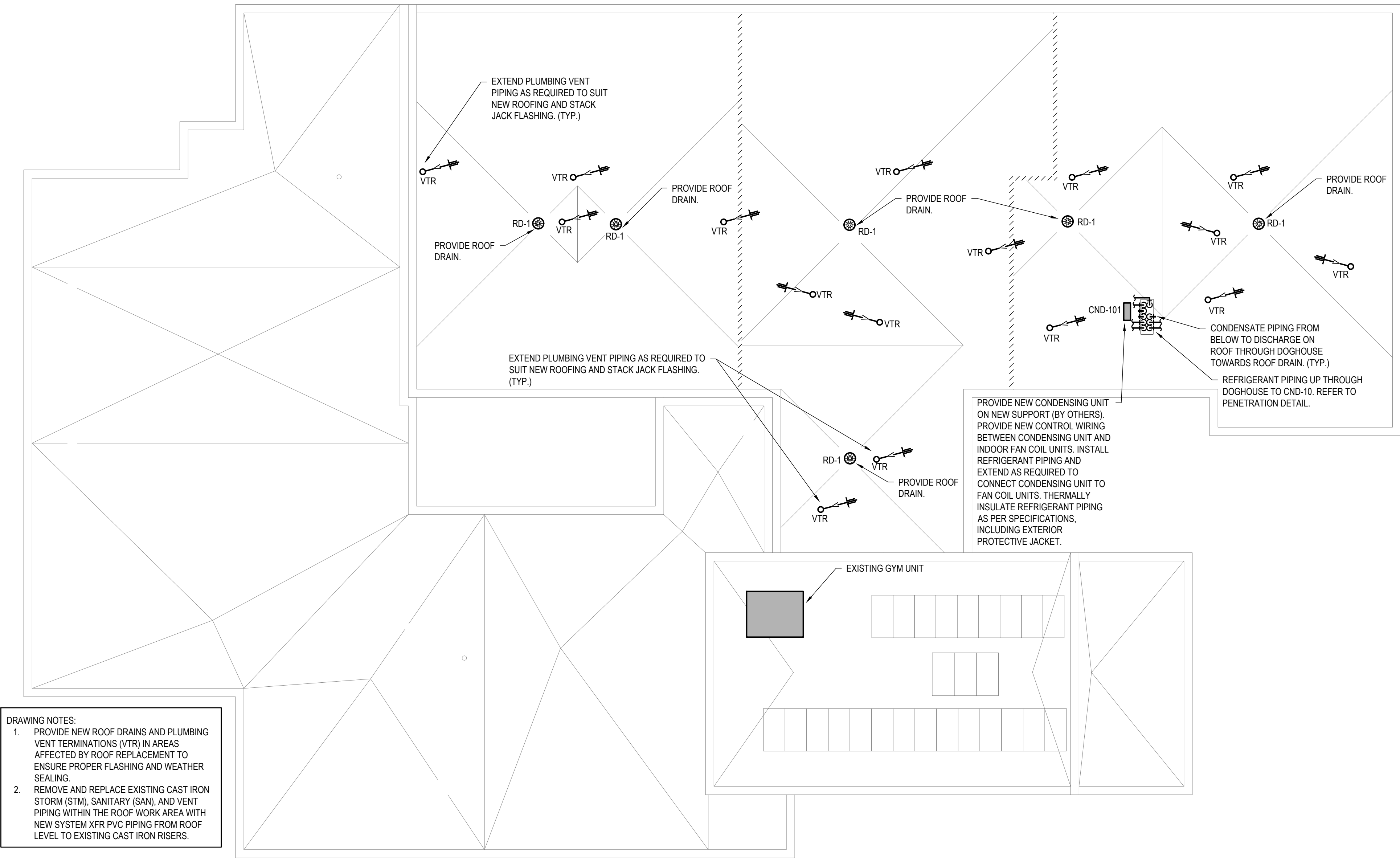
DRAWING TITLE

PLUMBING ROOF DEMOLITION

DRAWING NO. **M201**

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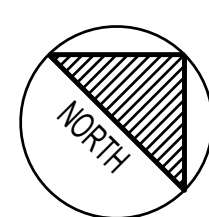


PLUMBING ROOF RENOVATIONS

SCALE: 1:150

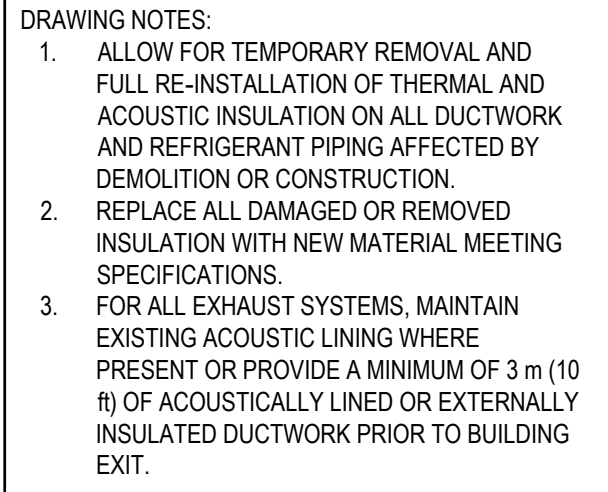
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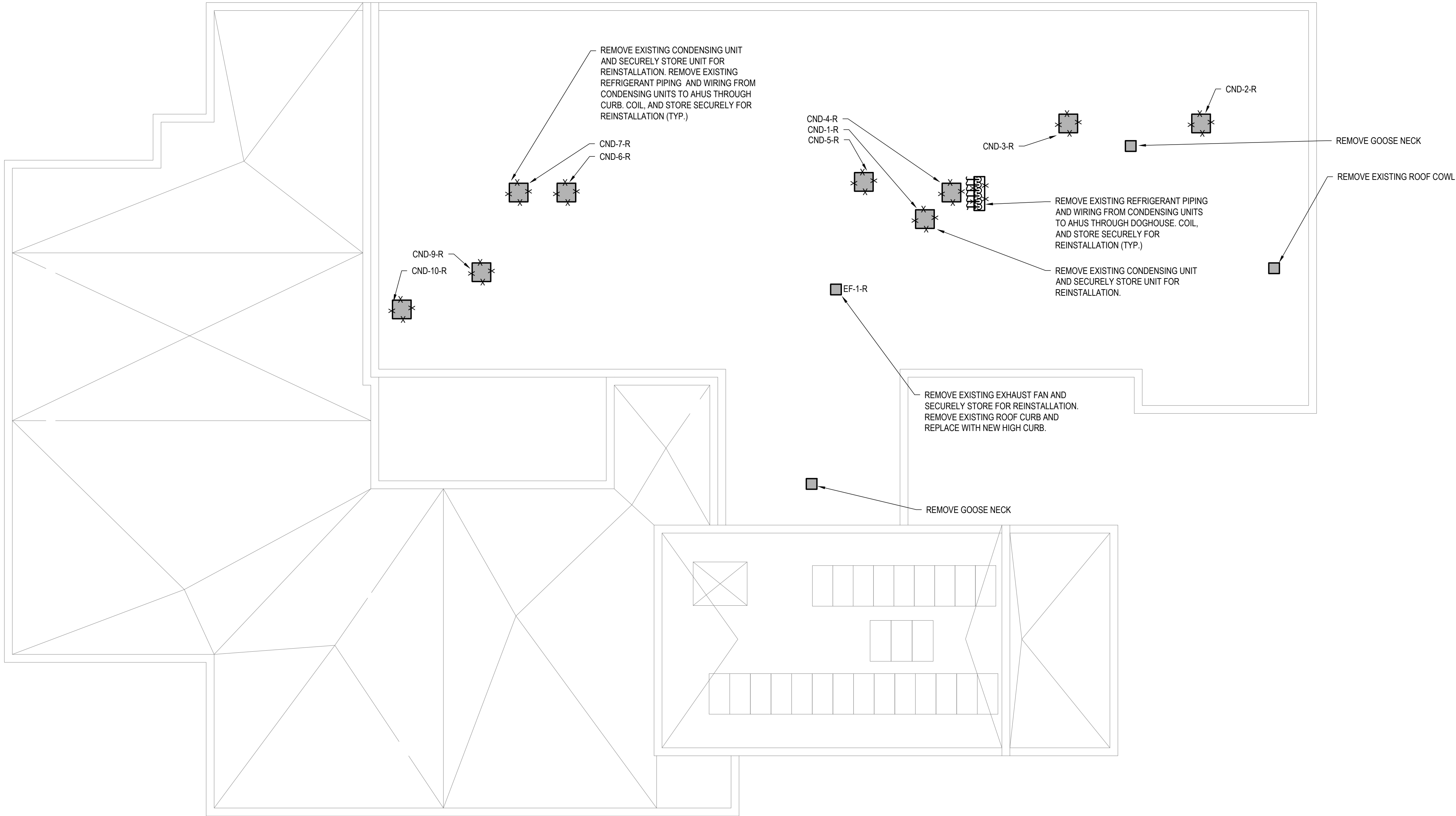
PINEVIEW PS - RAAC REPLACEMENT AND ACCESSIBILITY UPGRADES

PLUMBING ROOF RENOVATIONS



SCALE: 1:150

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HVAC SYSTEMS ROOF DEMOLITION

SCALE: 1:150

DEMOLITION NOTES

1. REMOVE ALL HVAC EQUIPMENT, DUCTWORK AND OTHER ASSOCIATED ITEMS FOR HVAC INDICATED TO BE REMOVED, UNLESS OTHERWISE INDICATED, EXACT LOCATION OF DISCONNECTION AND QUANTITIES OF DUCTWORK TO BE REMOVED, ETC... TO BE DETERMINED ON SITE.
2. EXISTING HVAC SHOWN IS DIAGRAMMATIC AND IS BASED ON ORIGINAL DRAWINGS. THE DRAWING MAY NOT BE REPRESENT "AS-BUILT" CONDITIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ON SITE, PRIOR TO TENDER CLOSE. THE EXTENT AND CONFIGURATION OF EXISTING HVAC AND ALLOW FOR ADDITIONAL REMOVALS AS DETERMINED ON SITE TO MEET THE INTENT OF THE DEMOLITION INDICATED. NO EXTRAS WILL BE ALLOWED FOR FAILURE OF THE CONTRACTOR IN COMPLETING A THOROUGH REVIEW OF THE SITE PRIOR TO SUBMITTING TENDER PRICE.

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PROJECT NO.: CAD007247.2663 CONTRACT NO. 26-000

DRAWN BY: DC CHECKED BY: DC APPROVED BY: AS

KEYPLAN:

1 2026-05-13 ISSUED FOR TENDER/PERMIT
NO. DATE ISSUED
PROJECT

PINEVIEW PS - RAAC
REPLACEMENT AND
ACCESSIBILITY
UPGRADES

DRAWING TITLE

HVAC SYSTEMS
ROOF
DEMOLITION

DRAWING NO. M301

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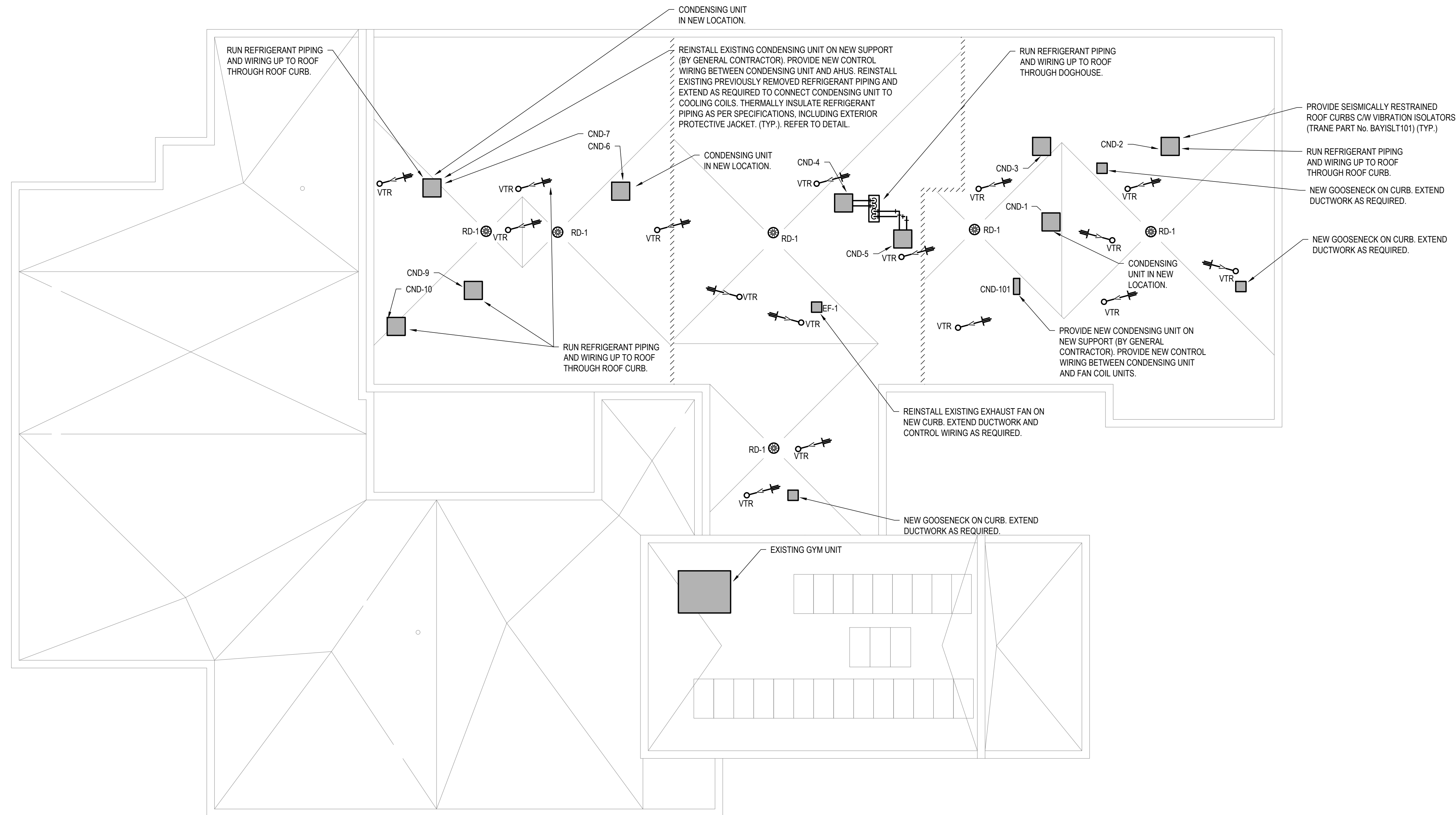
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DRAWING TITLE

HVAC SYSTEMS ROOF RENOVATIONS

DRAWING NO. **M303**

PRINT DATE: 5/13/2026 9:43:57 AM



HVAC SYSTEMS ROOF RENOVATIONS

SCALE: 1:150

EXISTING SYSTEMS DRAWINGS
EXISTING MECHANICAL SYSTEMS SHOWN ARE DIAGRAMMATIC AND ARE BASED ON ORIGINAL DRAWINGS. THE DRAWING MAY NOT REPRESENT "AS-BUILT" CONDITIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ON SITE, PRIOR TO TENDER CLOSE, THE EXTENT AND CONFIGURATION OF EXISTING MECHANICAL SYSTEMS AND ALLOW FOR ADDITIONAL REMOVALS AS DETERMINED. NO EXTRAS WILL BE ALLOWED FOR FAILURE OF THE CONTRACTOR IN COMPLETING A THOROUGH REVIEW OF THE SITE PRIOR TO SUBMITTING A TENDER PRICE.

CONTRACT DRAWINGS
CONTRACT DRAWINGS FOR MECHANICAL WORK ARE IN PART DIAGRAMMATIC. INTENDED TO CONVEY THE SCOPE OF WORK AND GENERAL ARRANGEMENT FOR MECHANICAL SYSTEMS AND EQUIPMENT. CONTRACTOR TO COORDINATE LAYOUT OF MECHANICAL SYSTEMS WITH ARCHITECTURAL, STRUCTURAL, AND ELECTRICAL BUILDING COMPONENTS, AS WELL AS OTHER MECHANICAL SYSTEMS. PROVIDE ADDITIONAL PIPING, DUCTING, FITTINGS, SUPPORTS, ETC., REQUIRED TO FACILITATE THE WORK. NO EXTRA PAYMENTS ARISING FROM FAILURE TO MAKE THIS COORDINATION WILL BE CONSIDERED.

AIR GRILLES & DIFFUSERS SCHEDULE								
TYPE	DUTY	MANUFACTURER	MODEL	FACE SIZE		MOUNTING	FINISH	COMMENTS
				mm	in.			
A	RETURN	PRICE HVAC	80	SIZE AS NOTED ON DRAWING		T-BAR	WHITE	-
B	SUPPLY	PRICE HVAC	SCD	300 x 300	12" x 12"	T-BAR	WHITE	-

NOTES:
1. ACCEPTABLE ALTERNATE MANUFACTURERS: TITUS, NAILOR HART, METALAIRE, KREUGER.

OUTDOOR CONDENSING UNIT SCHEDULE								
TAG	MANUFACTURER	MODEL	COOLING CAPACITY	HEATING CAPACITY	VOLTAGE/PHASE	MCA	NOTES	COMMENTS
			(kW)	(kW)				
CND-1-10	TRANE	4TTR5036N	10.55	-	208/1/60	18	2	EXISTING ROOF TOP CONDENSING UNITS
CND-101	MITSUBISHI ELECTRIC	MXZ-3D30NLHZ	8.79	10.55	208/1/60	38	1	HEATING CAPACITY UP TO 6.56 kW at -25°C

NOTES:
1. AMBIENT DESIGN CONDITIONS:
1.1 WINTER: -25°C
1.2 SUMMER: 35°C DB / 23.9 °C WB
2. REMOVE AND REINSTALL AFTER COMPLETION OF ROOF REPLACEMENT WORK.

INDOOR FAN COIL UNIT SCHEDULE									
TAG	MANUFACTURER	MODEL	AIRFLOW	OUTDOOR AIRFLOW	COOLING CAPACITY	HEATING CAPACITY	VOLTAGE/PHASE	MCA	COMMENTS
			(L/S)	(L/S)	(kW)	(kW)			
EVAP-010	MITSUBISHI ELECTRIC	PEAD-AA12NL	233	28	3.51	3.15	208/1/60	2.5	
EVAP-011	MITSUBISHI ELECTRIC	PEFY-P24NMAUE4	142	14	2.64	3.22	208/1/60	1	
EVAP-012	MITSUBISHI ELECTRIC	PEFY-P36NMAUE4	142	14	2.64	3.22	208/1/60	1	

MINI MAKE UP AIR UNIT SCHEDULE																
TAG	LOCATION	AREA SERVED	TYPE	SUPPLY AIRFLOW		EXTERNAL STATIC PRESSURE		FLA	POWER			MANUFACTURER	MODEL	ACCESSORIES	CONTROLS	NOTES
				L/s	CFM	Pa	in. w.c.	(A)	W	HP	V/φ/Hz					
MUA-1	OFFICE ADMIN	OFFICE ADMIN, PRINCIPAL AND VP OFFICES	MINI MAKE UP AIR	57	120	50	0.2	-	-	-	208/1/60	THERMOLEC	FER-8-4-208/1	ISOLATION KIT (SPRING HANGING ISOLATORS)	ON-BOARD, MFG'S T-SENSOR, EMCS	MAKE-UP AIR FAN C/W 4KW HEATER

CONDENSATE PUMP SCHEDULE												
TAG	LOCATION	SERVICE	MANUFACTURER	TYPE	DESIGN CAPACITY		DESIGN HEAD		MOTOR		POWER	MODEL
					L/s	USGPM	kPa	FT	W	HP	V/φ/Hz	
P-COND	-	VRF FAN COILS	SAUERMANN	MINI CONDENSATE REMOVAL PUMP	0.003	0.05	8.96	33	14	0.019	115/1/60	Si-30

NOTES:
1. CONDENSATE PUMP C/W CLEAR PVC HOSE MODEL: ACC00910; AND SELF-SEALING FITTING TO CONNECT DISCHARGE TUBE TO DRAIN PIPE.

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SEAL:



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25mm

NORTH ARROW:

DIGITAL REFERENCE:

PROJECT NO.: CAD007247.2663 CONTRACT NO. 26-000
DRAWN BY: DC CHECKED BY: DC APPROVED BY: AS
KEYPLAN:

1	2026-05-13	ISSUED FOR TENDER/PERMIT
NO.	DATE	ISSUED
PROJECT		

PINEVIEW PS - RAAC REPLACEMENT AND ACCESSIBILITY UPGRADES



















DRAWING TITLE















MECHANICAL SCHEDULES











DRAWING NO. **M400**

PRINT DATE: 5/13/2026 9:43:57 AM


CONTRACT DRAWINGS
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POWER AND SYSTEMS LEGEND	
	HAND HOLE
	15A RECEPTACLE
	15A GFCI RECEPTACLE
	20A GFCI RECEPTACLE
	120V DIRECT CONNECTION
	MOTOR CONNECTION.
	DISCONNECT.
	RECESSED PANEL.
	SURFACE MOUNT PANEL.
	WIRELESS ACCESS POINT
	CEILING MOUNT PAGING SPEAKER
	WALL MOUNT PAGING SPEAKER
	INTERCOM
	SECURITY CAMERA
	MOTION SENSOR.
	LINE VOLTAGE THERMOSTAT, PROVIDED AND INSTALLED BY MECHANICAL. WIRED BY ELECTRICAL.
	DATA OUTLET
	PHONE OUTLET

LIGHTING LEGEND	
	EXISTING EXIT SIGN
	EXISTING DUAL REMOTE HEAD UNIT
	EXISTING REMOTE HEAD UNIT
	RUNNING MAN STYLE EXIT SIGN
	RUNNING MAN STYLE EXIT SIGN C/W TWIN REMOTE HEADS. REFER TO LIGHTING SPECIFICATION.
	610mm X 1220mm LIGHT FIXTURE. REFER TO LIGHTING SPECIFICATION.
	305mm X 1220mm LIGHT FIXTURE. REFER TO LIGHTING SPECIFICATION.
	1220mm WALL MOUNT STRIP FIXTURE. REFER TO LIGHTING SPECIFICATION.
	10' ROUND LIGHT FIXTURE. REFER TO LIGHTING SPECIFICATION.
	EXTERIOR LED WALL PACK COMPLETE WITH INTEGRAL PHOTOCELL. MOUNT 300mm ABOVE TOP OF DOOR TO BOTTOM OF FIXTURE.
	CEILING MOUNTED OCCUPANCY SENSOR.
	EMERGENCY BATTERY PACK WITH REMOTE HEADS. REFER TO LIGHTING SPECIFICATION.
	EXISTING TOGGLE SWITCH TO REMAIN.
	EXISTING 3 WAY SWITCH TO REMAIN.

FIRE ALARM LEGEND	
	HEAT DETECTOR.
	SMOKE DETECTOR
	MANUAL PULL STATION
	WALL MOUNT HORN
	WALL MOUNT BELL
	CEILING MOUNT HORN/STROBE
	WALL MOUNT FIRE ALARM HORN/STROBE
	WALL MOUNT FIRE ALARM HORN/STROBE
	FIRE ALARM STROBE
	EXISTING DOOR HOLD OPEN

DRAWING LIST	
E001	LEGENDS, DRAWING LIST, AND GENERAL NOTES
E101	SITE PLAN
E200	GROUND FLOOR LIGHTING DEMOLITION FLOOR PLAN
E201	GROUND FLOOR LIGHTING RENOVATION FLOOR PLAN
E300	GROUND FLOOR POWER AND SYSTEMS DEMOLITION FLOOR PLAN
E301	ROOF POWER DEMOLITION PLAN
E302	GROUND FLOOR POWER AND SYSTEMS RENOVATION FLOOR PLAN
E303	ROOF POWER RENOVATION PLAN
E400	GROUND FLOOR FIRE ALARM DEMOLITION PLAN
E401	GROUND FLOOR FIRE ALARM RENOVATION PLAN
E700	ENLARGED PLAN AND SECTION VIEWS
E701	DETAILS
E801	PARTIAL DEMOLITION SINGLE LINE DIAGRAM
E802	PARTIAL RENOVATION SINGLE LINE DIAGRAM
E803	PANEL SCHEDULES

HATCH LEGEND	
	AREA OUT OF SCOPE

LINETYPE LEGEND	
	EXISTING TO REMAIN.
	PROVIDE NEW.
	TO BE DEMOLISHED.

ABBREVIATIONS	
WP	WEATHER PROOF
R	REMOVE AND RE-INSTALL
WG	WIRE GUARD
BH	BASEBOARD HEATER
FF	FORCE FLOW HEATER
HD	HAND DRYER

GENERAL NOTES	
1.	PROVIDE ESA INSPECTION AND FIRE ALARM VERIFICATION FOR EACH PHASE. CONTRACTOR TO COORDINATE, SCHEDULE, AND PAY FOR ALL TESTING. RECTIFY ALL FIRE ALARMS DEFICIENCIES PRIOR TO SUBMITTING FINAL VERIFICATION REPORT. SUBMIT FINAL REPORT TO CONSULTANT AND AUTHORITY HAVING JURISDICTION PRIOR TO OCCUPANCY.
2.	PROVIDE THE SERVICES OF AN INTEGRATED SYSTEMS TESTING CONSULTANT IN ACCORDANCE WITH CANULC S1001. CONSULTANT TO PROVIDE DRAFT INTEGRATED SYSTEMS PLAN TO CITY. PROVIDE INTEGRATED SYSTEMS TESTING AND COMPLETED REPORT FOR EACH PHASE IN ACCORDANCE WITH CANULC-S1001. CONTRACTOR TO COORDINATE, SCHEDULE, AND PAY FOR ALL TESTING. SUBMIT TESTING PLAN FOR APPROVAL PRIOR TO COMMENCEMENT OF ALL PRE-TESTING, AND FINAL TESTING. SUBMIT FINAL COMPLETED REPORT TO CONSULTANT AND AUTHORITY HAVING JURISDICTION PRIOR TO OCCUPANCY FOR REVIEW AND ACCEPTANCE. COORDINATE WITH ALL OTHER TRADES AND ENSURE TRADES ARE PRESENT DURING PRE-TESTING AND FINAL TESTING.
3.	REFER TO ARCHITECTURAL DRAWINGS FOR PHASING.
4.	ALLOW FOR REMOVAL OF AN ADDITIONAL 10% OF DEVICES AND ASSOCIATED CONDUIT & WIRING BACK TO SOURCE (THESE DEVICES ARE NOT SHOWN ON DRAWING)
5.	ALLOW FOR THE REMOVAL OF LIGHT FIXTURES AS SHOWN ON DRAWING. PROVIDE TEMPORARY WORKING LIGHTING DURING CONSTRUCTION. TURN OVER REMOVED FIXTURES TO CLIENT. EXISTING WIRING AND CONDUIT TO BE REMOVED BACK TO PANEL. NEW WIRING AND CONDUIT TO BE INSTALLED. COMPLETE TESTING REQUIRED TO ENSURE ALL LIGHT FIXTURES ARE FUNCTIONING. PROVIDE JACK CHAINS & 'S' HOOKS AS REQUIRED.
6.	ALLOW FOR THE REMOVAL OF EXISTING PAGING SPEAKERS AS SHOWN ON DRAWING TO ALLOW FOR DEMOLITION & RENOVATION WORK. EXISTING WIRING AND CONDUIT TO BE REMOVED BACK TO PA PANEL. NEW WIRING AND CONDUIT TO BE INSTALLED. TESTING REQUIRED TO ENSURE ALL SPEAKERS FUNCTIONING.
7.	ALLOW FOR THE REMOVAL OF FIRE ALARM SYSTEM DEVICES AS SHOWN ON DRAWING TO ALLOW FOR DEMOLITION AND RENOVATION WORK BUT MAINTAIN FIRE DETECTION DURING WORK BY PROVIDING TEMPORARY HEAT DETECTORS. TURN OVER REMOVED DEVICES TO CLIENT. EXISTING WIRING AND CONDUIT TO BE REMOVED BACK TO FIRE ALARM PANEL. WIRING AND CONDUIT TO BE REPLACED WITH NEW. PERFORM FIRE ALARM AND CANULC-S1001 PRE-TESTING AND FINAL TESTING TO ENSURE ALL INTEGRATED SYSTEMS HAVE BEEN TESTED AND ARE FUNCTIONING AS INTENDED AND IN ACCORDANCE WITH THE OBC AND CANULC S524.
8.	ALLOW FOR THE REMOVAL OF EXISTING WIRELESS ACCESS POINTS AS SHOWN ON DRAWING TO ALLOW FOR DEMOLITION & RENOVATION WORK. EXISTING WIRING AND CONDUIT TO BE REMOVED BACK TO DATA CABINET. NEW WIRING AND CONDUIT TO BE INSTALLED. TESTING REQUIRED TO ENSURE ALL WIRELESS ACCESS POINTS FUNCTIONING.
9.	ALLOW FOR THE REMOVAL OF EXISTING SECURITY CAMERAS AS SHOWN ON DRAWING TO ALLOW FOR DEMOLITION & RENOVATION WORK. EXISTING WIRING AND CONDUIT TO BE REMOVED BACK TO SECURITY PANEL. NEW WIRING AND CONDUIT TO BE INSTALLED. TESTING REQUIRED TO ENSURE ALL SECURITY CAMERAS FUNCTIONING.

CONTRACT DRAWINGS

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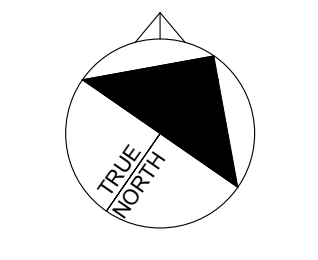
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NORTH ARROW: DIGITAL REFERENCE:



PROJECT NO.: CA00067247.2663 CONTRACT NO.
DRAWN BY: DM CHECKED BY: DM APPROVED BY: MB
KEYPLAN:

4	2026-05-07	ISSUED FOR TENDER/PERMIT
3	2026-04-02	ISSUED FOR 99% REVIEW
2	2026-03-13	ISSUED FOR 66% REVIEW
1	2026-02-24	ISSUED FOR 33% REVIEW
NO.	DATE	ISSUED

PROJECT

PINEVIEW PS - RAAC REPLACEMENT & ACCESSIBILITY UPGRADES

DRAWING TITLE

LEGENDS, DRAWING LIST, AND GENERAL NOTES

DRAWING NO: E001

PRINT DATE: 3/14/2024 9:43:57 AM

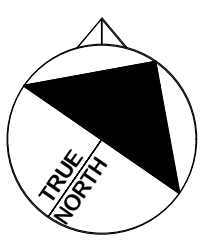
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PROJECT NO.: CA00067247.2663			CONTRACT NO.		
DRAWN BY: DM		CHECKED BY: DM		APPROVED BY: MB	

KEYPLAN:

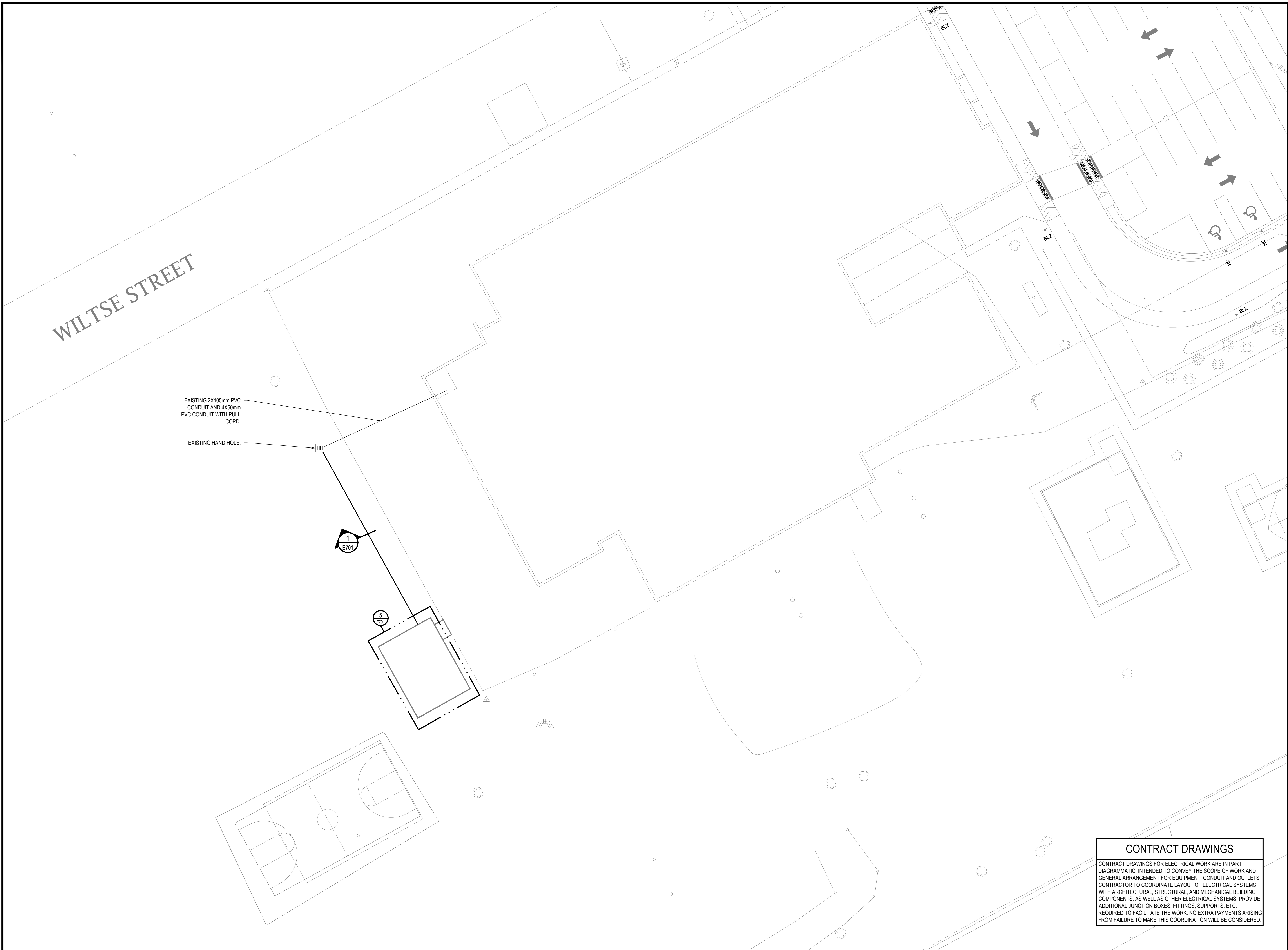
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2	2026-03-13	ISSUED FOR 66% REVIEW
1	2026-02-24	ISSUED FOR 33% REVIEW
NO.	DATE	ISSUED

PROJECT

DRAWING TITLE

DRAWING NO. **E100**

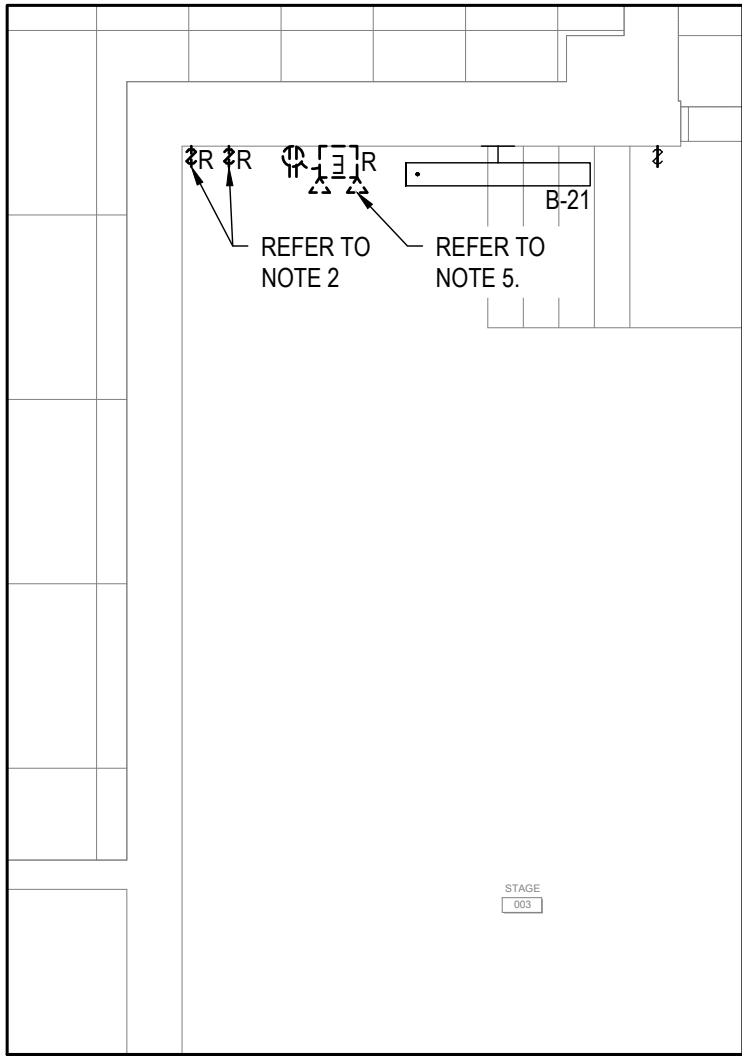
PRINT DATE: 3/14/2024 9:43:57 AM



ARCH D (24" x 36" | 610mm x 914mm)

GENERAL NOTES

- EXISTING CIRCUITS FOR LIGHTING IN ROOMS 014, 022 AND 024 ARE TO BE CONFIRMED AND RE-USED FOR THE NEW LIGHTING IN EACH ROOM.
- SWITCHES FOR STAGE LIGHTING ARE TO BE REMOVED AND RE-INSTALLED AT 1100mm HEIGHT AFTER STAGE REVISIONS. WIRING TO BE EXTENDED AS REQUIRED.
- RELOCATE EXISTING LIGHTING CONTROLS AND REPLACE LIGHTING FIXTURES AS NOTED IN VESTIBULE. EXTEND WIRING AS REQUIRED.
- DEVICES WITHIN THIS AREA WILL BE INSTALLED IN THE FIRST PHASE AND THEN REMOVED AND RE-INSTALLED IN A LATER PHASE. DEVICES ARE TO BE KEPT SAFE DURING CONSTRUCTION. WIRING AND CONDUIT ARE TO BE RE-USED.
- EXISTING EMERGENCY BATTERY PACK AND ASSOCIATED RECEPTACLE ARE TO BE REMOVED AND RE-INSTALLED AT MOUNTING HEIGHT OF 2200mm AFF.
- EXISTING EXIT SIGNS OUTSIDE OF RAAC REPLACEMENT AREA ARE TO BE REMOVED AND REPLACED WITH NEW. EXISTING WIRING AND CONDUIT ARE TO BE EXTENDED AS REQUIRED.



STAGE LIFT LIGHTING
DEMOLITION ENLARGED VIEW
SCALE: 1:50

1
E200
GROUND FLOOR POWER, SYSTEMS AND LIGHTING DEMOLITION FLOOR PLAN
SCALE: 1:150

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NORTH ARROW:



DIGITAL REFERENCE:

PROJECT NO.: CA00067247.2663 CONTRACT NO.

DRAWN BY: DM CHECKED BY: DM APPROVED BY: MB

KEYPLAN:

4	2026-05-07	ISSUED FOR TENDER/PERMIT
3	2026-04-02	ISSUED FOR 99% REVIEW
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1	2026-02-24	ISSUED FOR 33% REVIEW
NO.	DATE	ISSUED

PROJECT

PINEVIEW PS - RAAC
REPLACEMENT &
ACCESSIBILITY
UPGRADES

DRAWING TITLE

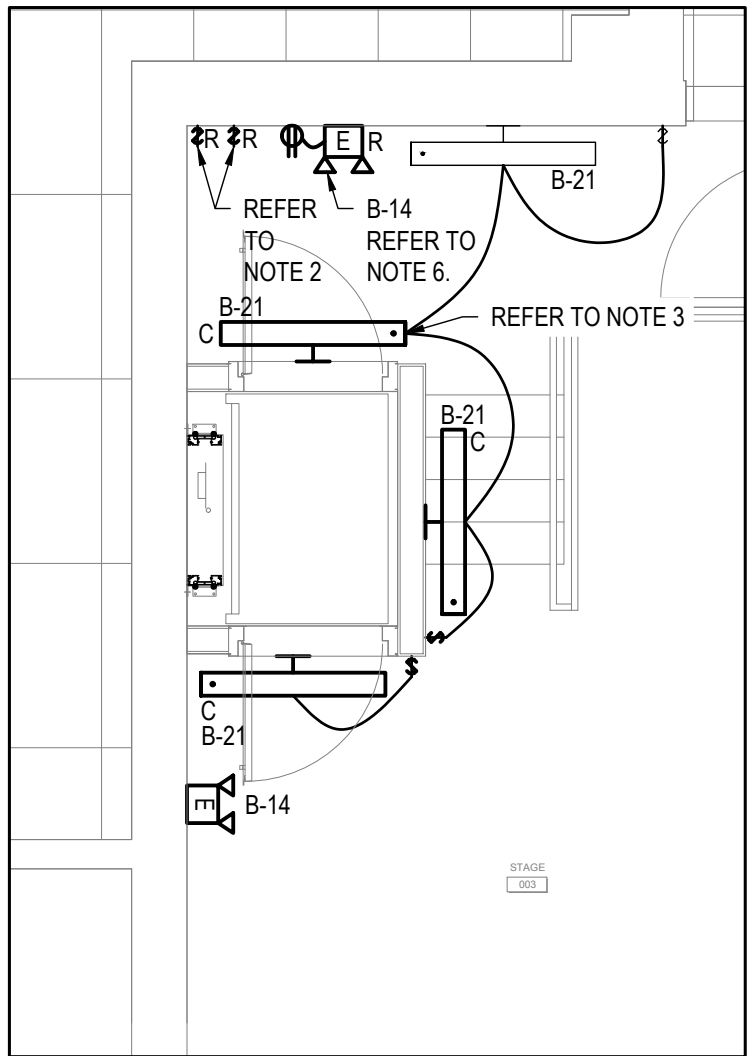
GROUND FLOOR
LIGHTING DEMOLITION
FLOOR PLAN

DRAWING NO: E200

PRINT DATE: 3/14/2024 9:43:57 AM

GENERAL NOTES

- EXISTING CIRCUITS FOR LIGHTING IN ROOMS 014, 022 AND 024 ARE TO BE CONFIRMED AND RE-USED FOR THE NEW LIGHTING IN EACH ROOM.
- SWITCHES FOR STAGE LIGHTING ARE TO BE REMOVED AND RE-INSTALLED AT 1100mm HEIGHT AFTER STAGE REVISIONS. WIRING TO BE EXTENDED AS REQUIRED.
- CONNECT NEW STAGE LIGHT FIXTURES TO EXISTING STAGE STAIR CIRCUITS. EXTEND WIRING FOR CONTROLS AS REQUIRED.
- RELOCATE EXISTING LIGHTING CONTROLS AND REPLACE LIGHTING FIXTURES AS NOTED IN VESTIBULE. EXTEND WIRING AS REQUIRED.
- DEVICES WITHIN THIS AREA WILL BE INSTALLED IN THE FIRST PHASE AND THEN REMOVED AND RE-INSTALLED IN A LATER PHASE. DEVICES ARE TO BE KEPT SAFE DURING CONSTRUCTION. WIRING AND CONDUIT ARE TO BE RE-USED.
- EXISTING EMERGENCY BATTERY PACK AND ASSOCIATED RECEPTACLE ARE TO BE REMOVED AND RE-INSTALLED AT MOUNTING HEIGHT OF 2200mm AFF.
- CIRCUIT NEW EMERGENCY BATTERY PACK REMOTE HEADS TO NON-SWITCHED SIDE OF LIGHTING CIRCUITS IN CORRIDOR.
- ALLOW FOR THIRD PARTY TESTING IS TO BE COMPLETED FOR EMERGENCY LIGHTING FIXTURES AND LIGHTING LEVELS IN RAAC RENOVATION AREA.
- DEVICES NOTED WITH AN R ARE TO HAVE WIRING AND CONDUIT PULLED BACK TO JUNCTION BOXES OUTSIDE OF ROOMS WHERE ROOF REPLACEMENT IS OCCURRING DURING EACH PHASE. DEVICES TO BE REMOVED AS REQUIRED FOR ROOF REPLACEMENT WORK. REMOVED DEVICES ARE TO BE KEPT SAFE DURING CONSTRUCTION AND REINSTALLED AFTER WORK COMPETITION.
- EXISTING EXIT SIGNS OUTSIDE OF RAAC REPLACEMENT AREA ARE TO BE REMOVED AND REPLACED WITH NEW. EXISTING WIRING AND CONDUIT ARE TO BE EXTENDED AS REQUIRED.



STAGE LIFT LIGHTING RENOVATION ENLARGED VIEW

SCALE: 1:50

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GROUND FLOOR POWER, SYSTEMS AND LIGHTING RENOVATION FLOOR PLAN

SCALE: 1:150

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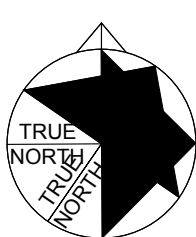
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NORTH ARROW:



DIGITAL REFERENCE:

PROJECT NO.: CAD0067247 2693 CONTRACT NO.

DRAWN BY: DM CHECKED BY: DM APPROVED BY: MB

KEYPLAN:

4	2026-05-07	ISSUED FOR TENDER/PERMIT
3	2026-04-02	ISSUED FOR 99% REVIEW
2	2026-03-13	ISSUED FOR 66% REVIEW
1	2026-02-24	ISSUED FOR 33% REVIEW
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PROJECT

PINEVIEW PS - RAAC REPLACEMENT & ACCESSIBILITY UPGRADES

DRAWING TITLE

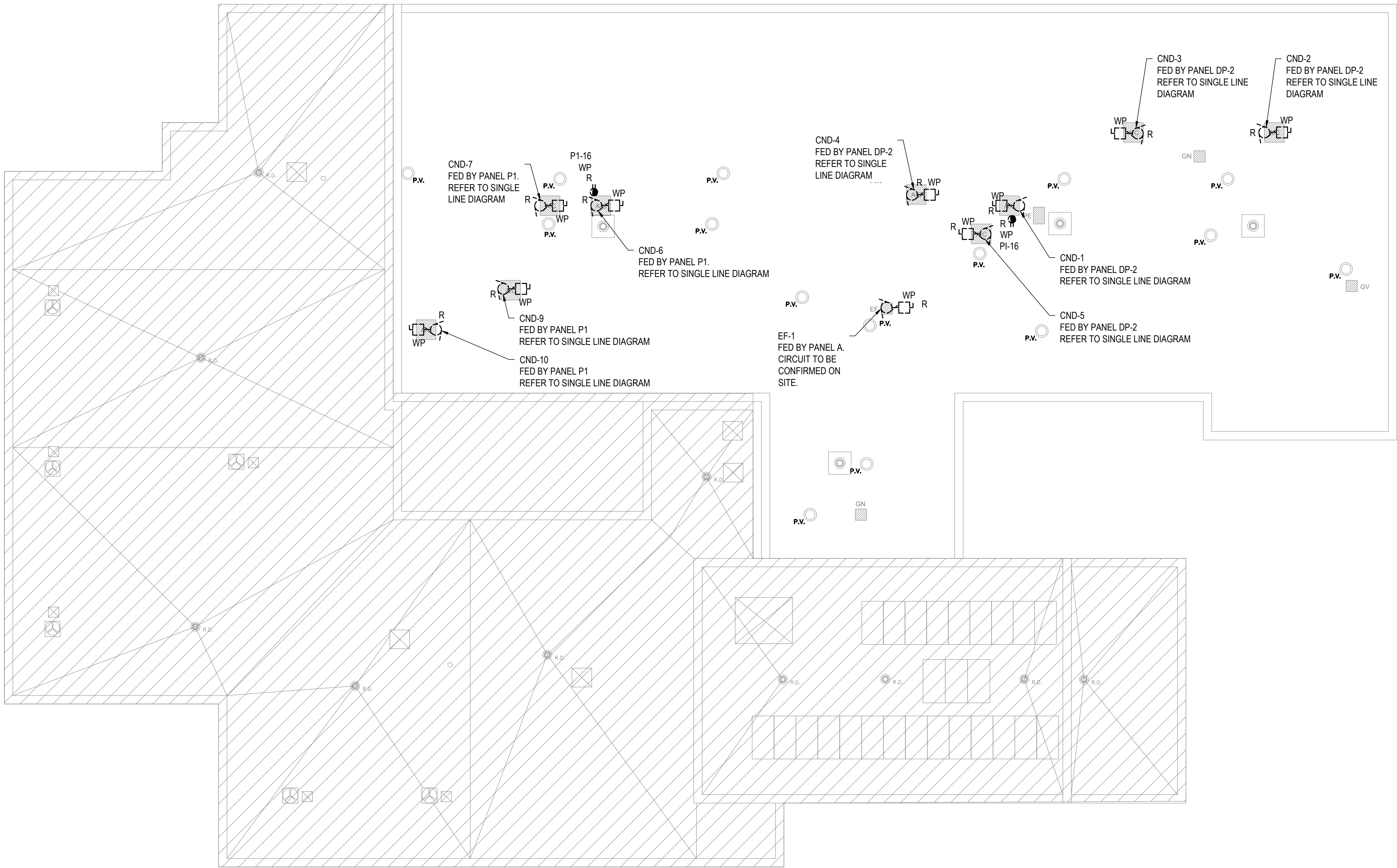
GROUND FLOOR LIGHTING RENOVATION FLOOR PLAN

DRAWING NO. E201

PRINT DATE: 3/14/2024 9:43:57 AM

GENERAL NOTES

1. REMOVE AND RE-INSTALL EXISTING MECHANICAL ROOF TOP EQUIPMENT AND ASSOCIATED DISCONNECT SWITCHES. WIRING AND CONDUIT ARE TO BE REMOVED BACK TO SOURCE AND REPLACED WITH WIRING AND CONDUIT OF THE SAME SIZE.



1 ROOF POWER, SYSTEMS AND LIGHTING DEMOLITION FLOOR PLAN
E201 SCALE: 1:150

EXISTING SYSTEMS DRAWINGS

EXISTING MECHANICAL SYSTEMS SHOWN ARE DIAGRAMMATIC AND ARE BASED ON ORIGINAL DRAWINGS. THE DRAWING MAY NOT REPRESENT "AS-BUILT" CONDITIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ON SITE, PRIOR TO TENDER CLOSE, THE EXTENT AND CONFIGURATION OF EXISTING ELECTRICAL SYSTEMS AND ALLOW FOR ADDITIONAL REMOVALS AS DETERMINED. NO EXTRAS WILL BE ALLOWED FOR FAILURE OF THE CONTRACTOR IN COMPLETING A THOROUGH REVIEW OF THE SITE PRIOR TO SUBMITTING A TENDER PRICE.

CONTRACT DRAWINGS

CONTRACT DRAWINGS FOR ELECTRICAL WORK ARE IN PART DIAGRAMMATIC, INTENDED TO CONVEY THE SCOPE OF WORK AND GENERAL ARRANGEMENT FOR EQUIPMENT, CONDUIT AND OUTLETS. CONTRACTOR TO COORDINATE LAYOUT OF ELECTRICAL SYSTEMS WITH ARCHITECTURAL, STRUCTURAL, AND MECHANICAL BUILDING COMPONENTS, AS WELL AS OTHER ELECTRICAL SYSTEMS. PROVIDE ADDITIONAL JUNCTION BOXES, FITTINGS, SUPPORTS, ETC. REQUIRED TO FACILITATE THE WORK. NO EXTRA PAYMENTS ARISING FROM FAILURE TO MAKE THIS COORDINATION WILL BE CONSIDERED.

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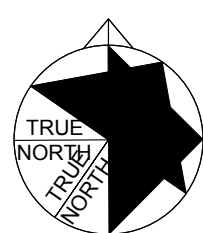
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PROJECT

PINEVIEW PS - RAAC REPLACEMENT & ACCESSIBILITY UPGRADES

DRAWING TITLE

ROOF POWER DEMOLITION PLAN

DRAWING NO. E301

PRINT DATE: 3/14/2024 9:43:57 AM

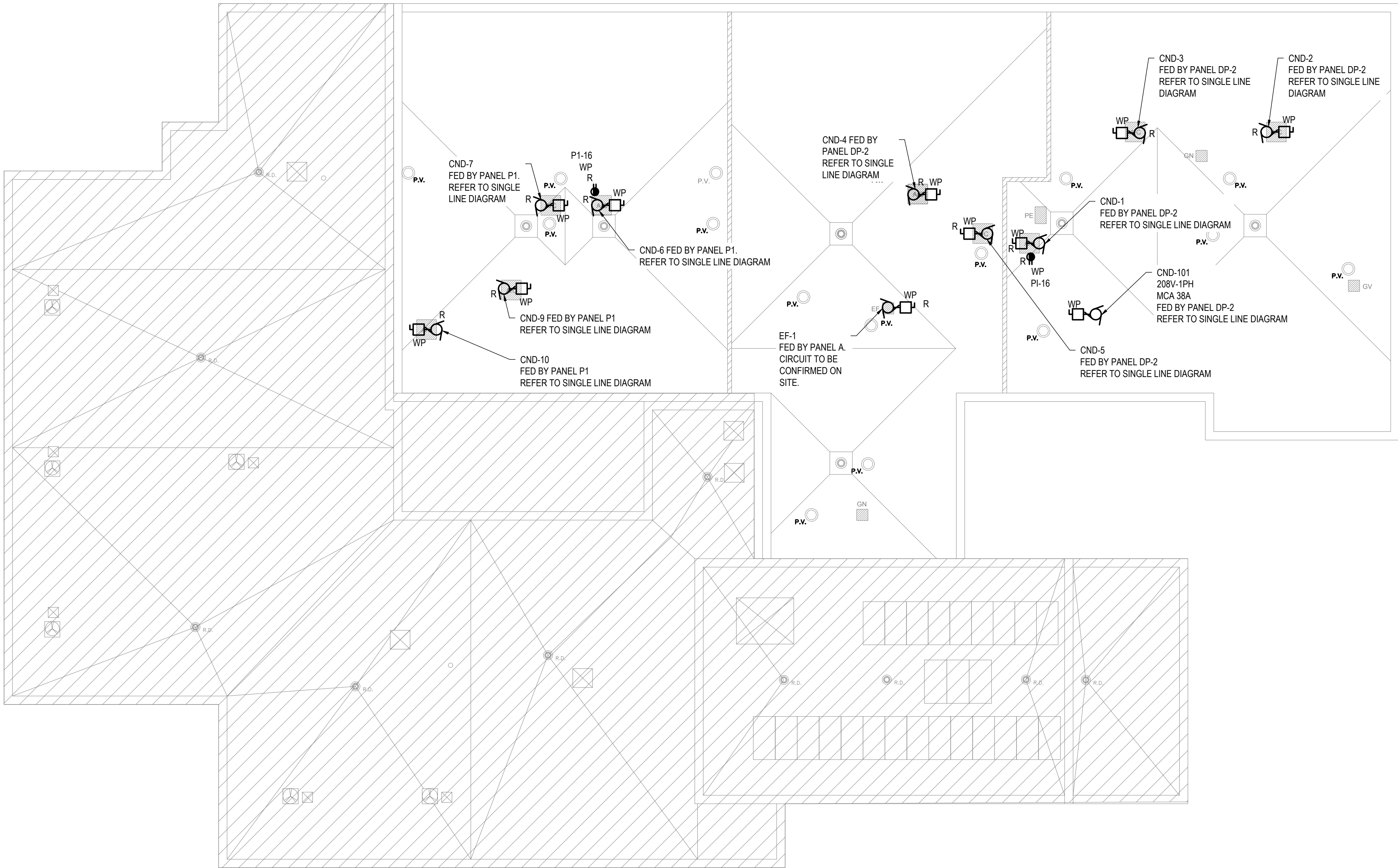


1. DEVICES NOTED WITH AN X ARE TO HAVE WIRING AND CONDUIT PULLED BACK TO JUNCTION BOXES OUTSIDE OF ROOMS WHERE ROOF REPLACEMENT IS OCCURRING DURING EACH PHASE. DEVICES TO BE REMOVED AS REQUIRED FOR ROOF REPLACEMENT WORK. REMOVED DEVICES ARE TO BE KEPT SAFE DURING CONSTRUCTION AND REINSTALLED AFTER WORK COMPLETION.
2. DEVICES WITHIN THIS AREA WILL BE INSTALLED IN THE FIRST PHASE AND THEN TEMPORARILY REMOVED AND RE-INSTALLED IN A LATER PHASE. DEVICES ARE TO BE KEPT SAFE DURING CONSTRUCTION. WIRING AND CONDUIT ARE TO BE KEPT UNDER REPAIR TO ARCHITECTURAL DRAWINGS FOR PHASING.
3. DATA DEVICES ARE TO BE TRACED BACK TO CORRESPONDING DATA CABINET PRIOR TO WORK. RE-INSTALLED AND NEW DEVICES ARE TO BE TRACED TO THE SAME DATA CABINET AS THE ORIGINAL DEVICES. DATA CABINETS ARE LOCATED IN THE LIBRARY OFFICE, PHOTOCOPIER ROOM AND OFFICE ADMIN.
4. NEW SECURITY CAMERAS ARE TO BE FED BACK TO CCTV CABINET IN PHOTOCOPIER 013.
5. RELOCATE DEVICES IN VESTIBULE AS NOTED. EXTEND WIRING AND CONDUIT AS REQUIRED.

CONTRACT DRAWINGS FOR ELECTRICAL WORK ARE IN PART
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GENERAL NOTES

1. REMOVE AND RE-INSTALL EXISTING MECHANICAL ROOF TOP EQUIPMENT AND ASSOCIATED DISCONNECT SWITCHES. WIRING AND CONDUIT ARE TO BE REMOVED BACK TO SOURCE AND REPLACED WITH WIRING AND CONDUIT OF THE SAME SIZE.



1 ROOF POWER, SYSTEMS AND LIGHTING RENOVATION FLOOR PLAN
E203 SCALE: 1:150

CONTRACT DRAWINGS

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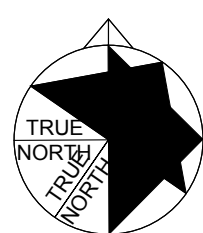
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DIGITAL REFERENCE:

PROJECT NO.: CAD0067247 2683 CONTRACT NO.

DRAWN BY: DM CHECKED BY: DM APPROVED BY: MB

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NO.	DATE	ISSUED

PROJECT

PINEVIEW PS - RAAC REPLACEMENT & ACCESSIBILITY UPGRADES

DRAWING TITLE

ROOF POWER RENOVATION PLAN

DRAWING NO: E303

PRINT DATE: 3/14/2024 9:43:57 AM

GENERAL NOTES

1. REMOVE EXISTING FIRE ALARM HORNS AND BELLS. REMOVE ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE. REMOVE EXISTING GRATES IN FRONT OF DEVICES.



1 FIRE ALARM DEMOLITION FLOOR PLAN
E400 SCALE: 1:150

EXISTING SYSTEMS DRAWINGS

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PROJECT

PINEVIEW PS - RAAC
REPLACEMENT &
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UPGRADES

DRAWING TITLE

GROUND FLOOR
FIRE ALARM
DEMOLITION
FLOOR PLAN

DRAWING NO: E400

PRINT DATE: 3/14/2024 9:43:57 AM

GENERAL NOTES

1. EXISTING DOOR HOLD OPEN DEVICES TO REMAIN. INSTALL NEW WIRING AND CONDUIT TO NEW FIRE ALARM PANEL.
2. DEVICES WITHIN THIS AREA WILL BE INSTALLED IN THE FIRST PHASE AND THEN TEMPORARILY REMOVED AND RE-INSTALLED IN A LATER PHASE. DEVICES ARE TO BE KEPT SAFE DURING CONSTRUCTION. WIRING AND CONDUIT ARE TO BE RE-USED. REFER TO ARCHITECTURAL DRAWINGS FOR PHASING.
3. PROVIDE ULC RATED SOUND DAMPENING COVER FOR FIRE ALARM HORN STROBE IN W/R 17.

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<h2 style="text-align: center;">CONTRACT DRAWINGS</h2> <p>CONTRACT DRAWINGS FOR ELECTRICAL WORK ARE IN PART DIAGRAMMATIC, INTENDED TO CONVEY THE SCOPE OF WORK AND GENERAL ARRANGEMENT FOR EQUIPMENT, CONDUIT AND OUTLETS. CONTRACTOR TO COORDINATE LAYOUT OF ELECTRICAL SYSTEMS WITH ARCHITECTURAL, STRUCTURAL, AND MECHANICAL BUILDING COMPONENTS, AS WELL AS OTHER ELECTRICAL SYSTEMS. PROVIDE ADDITIONAL JUNCTION BOXES, FITTINGS, SUPPORTS, ETC. REQUIRED TO FACILITATE THE WORK. NO EXTRA PAYMENTS ARISING FROM FAILURE TO MAKE THIS COORDINATION WILL BE CONSIDERED.</p>

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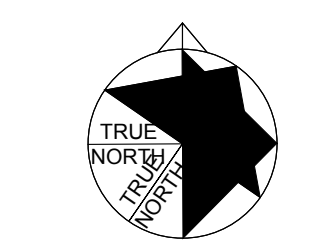
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PROJECT NO.: CA00067247.2663 CONTRACT NO.

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KEYPLAN:

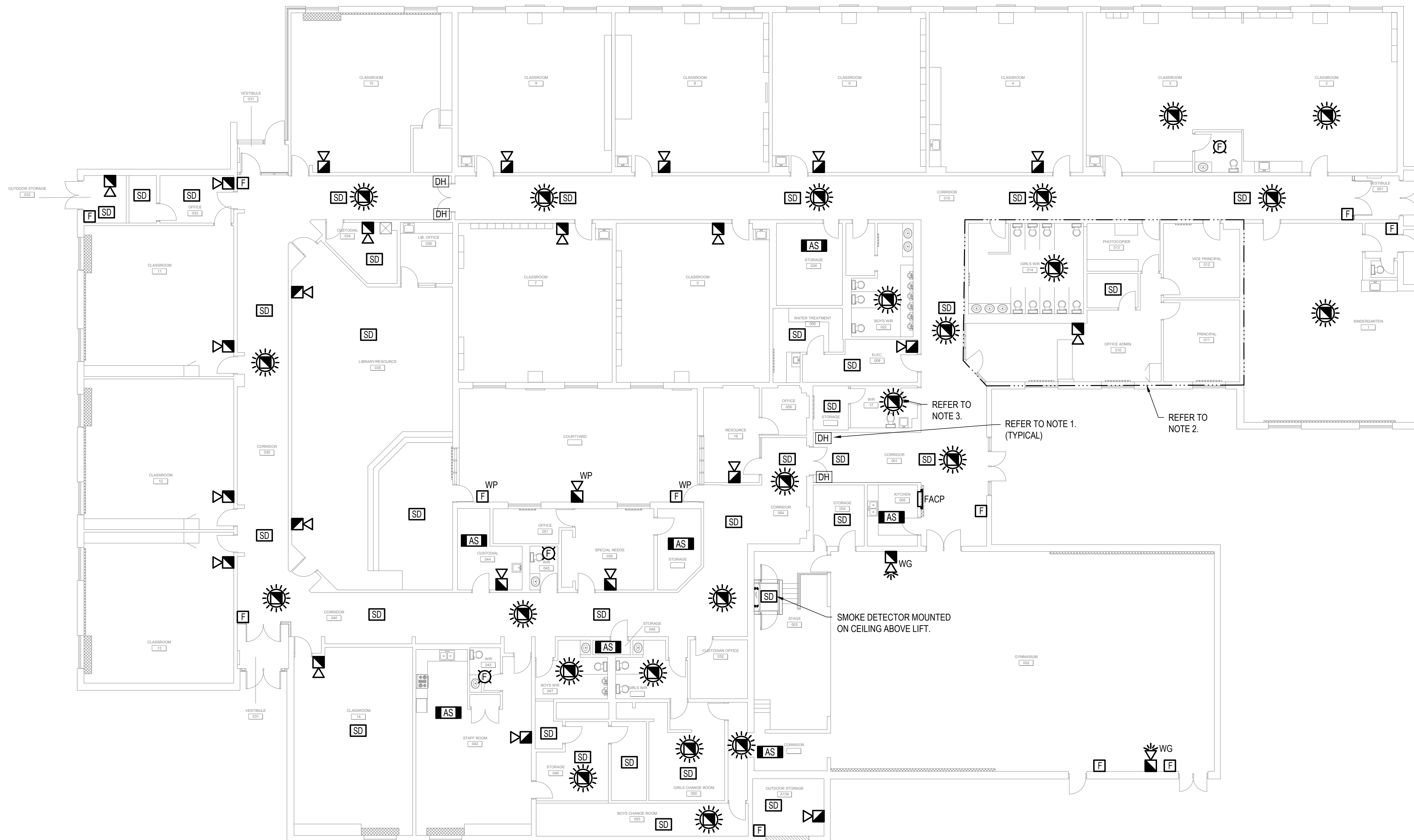
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NO.	DATE	ISSUED

PROJECT

DRAWING TITLE

DRAWING NO. **E401**

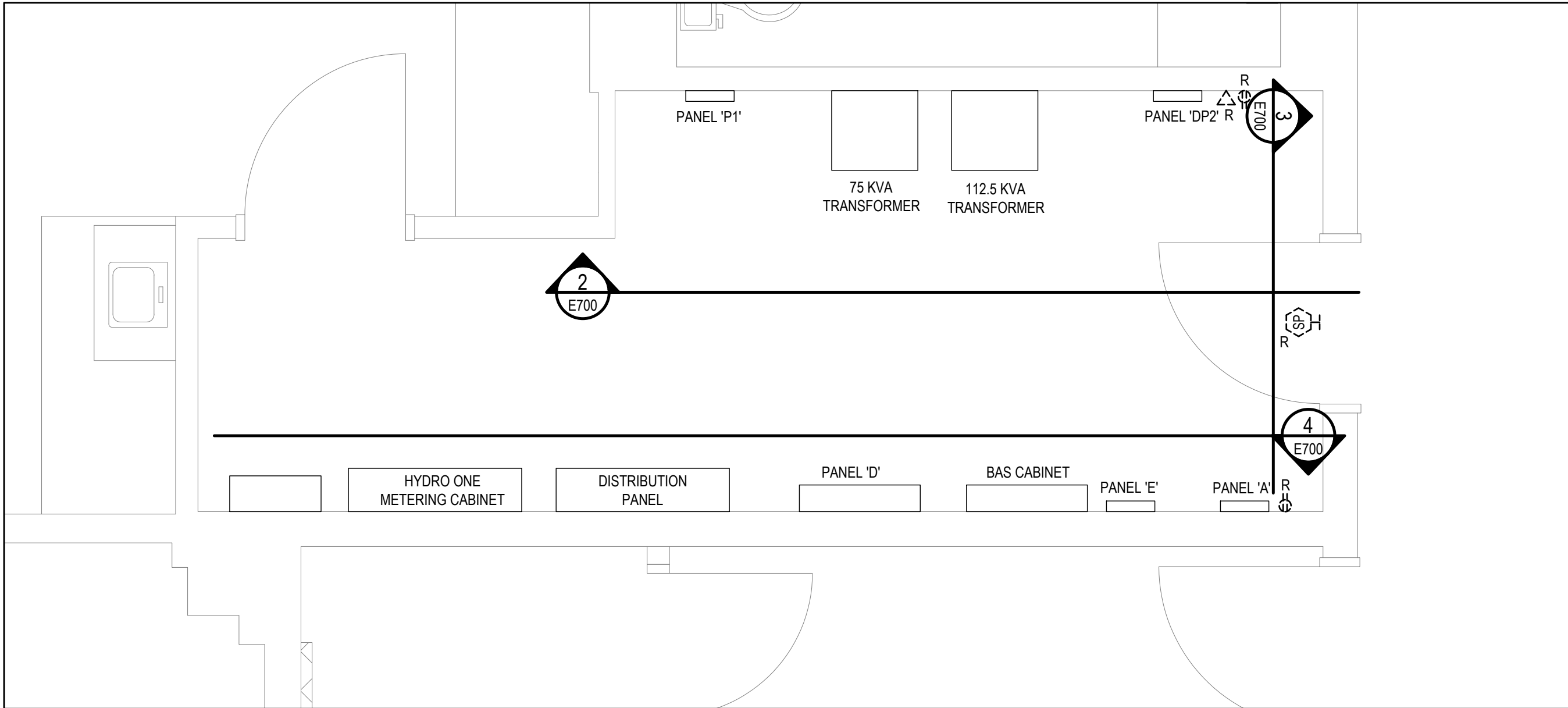
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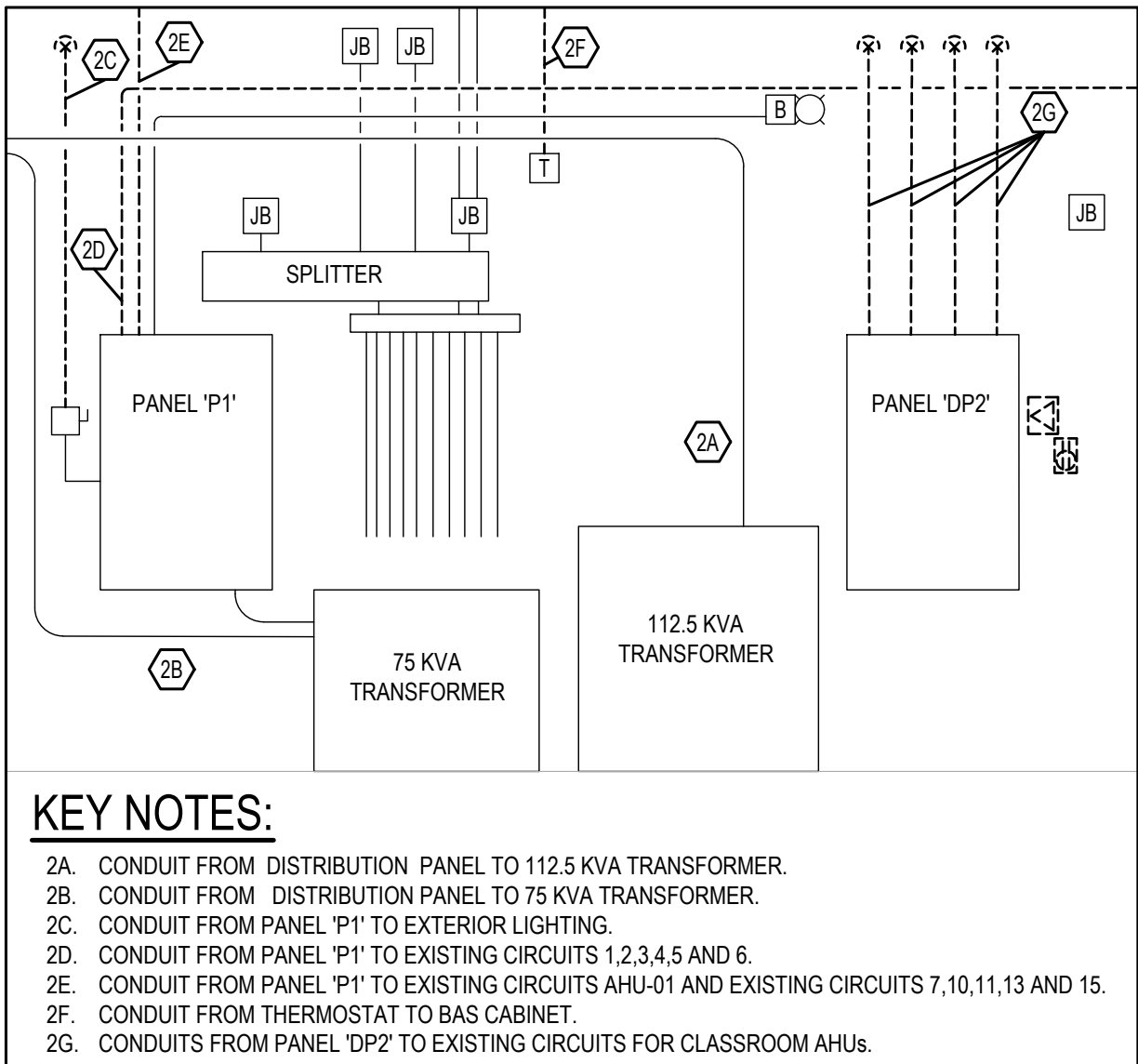
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E401

GROUND FLOOR FIRE ALARM RENOVATION FLOOR PLAN

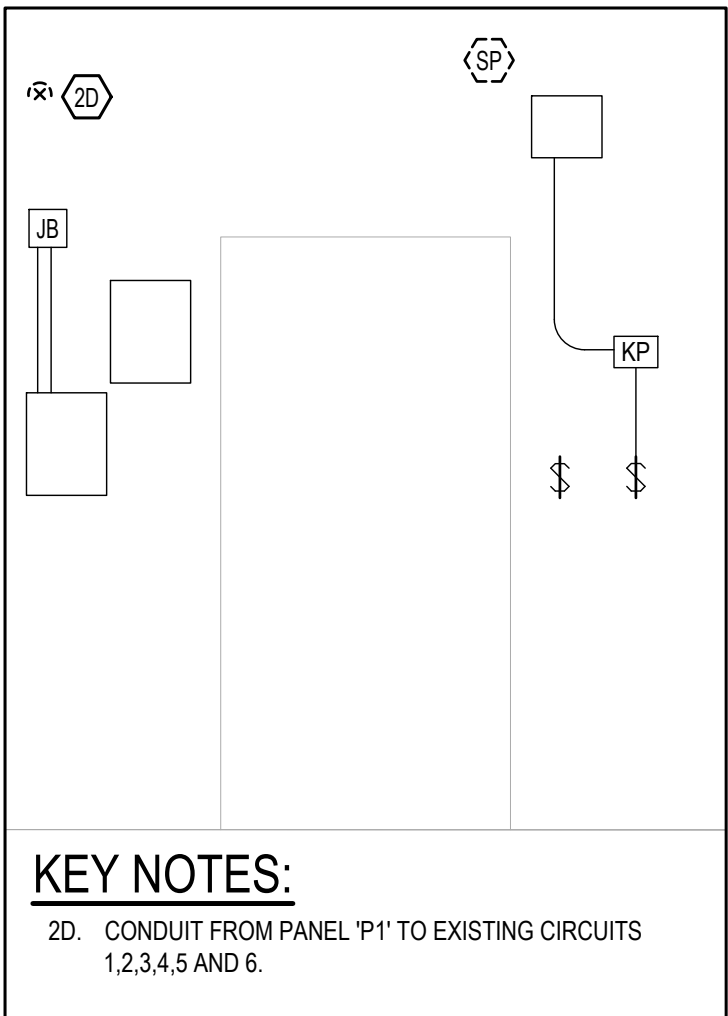
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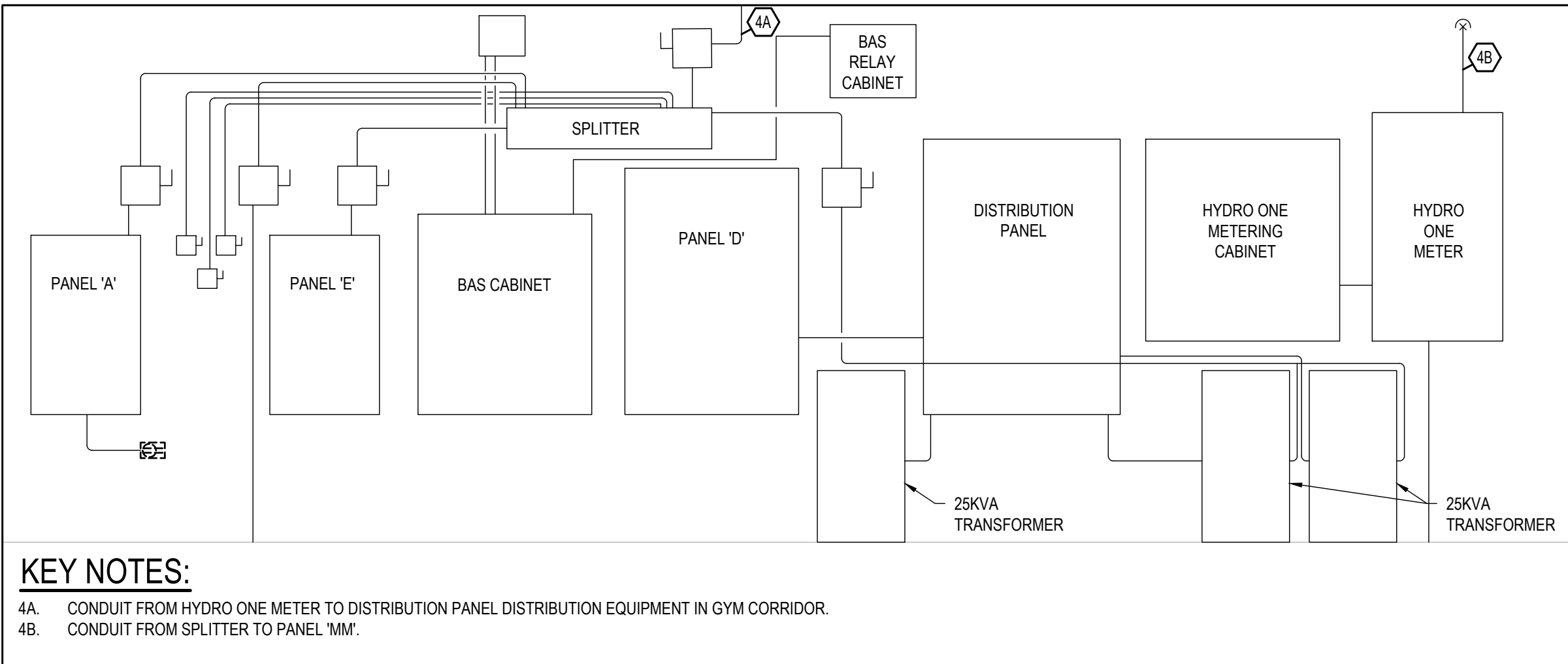
1 GROUND FLOOR POWER, SYSTEMS AND LIGHTING DEMOLITION FLOOR PLAN
SCALE: 1:150



2 MAIN ELECTRICAL ROOM SECTION VIEW 1
SCALE: 1:150



3 MAIN ELECTRICAL ROOM SECTION VIEW 2
SCALE: 1:150



4 MAIN ELECTRICAL ROOM SECTION VIEW 1
SCALE: 1:150

- GENERAL NOTES
1.

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2.

EXISTING CONDUITS ARE TO BE TRACED AND CONFIRMED PRIOR TO WORK.
3.

EXISTING CONDUITS TO REMAIN ARE TO BE PROTECTED DURING CONSTRUCTION.
4.

CONDUITS THAT ARE TO BE DEMOLISHED ARE TO BE REPLACED WITH CONDUIT AND WIRING OF THE SAME SIZE.

CONTRACT DRAWINGS

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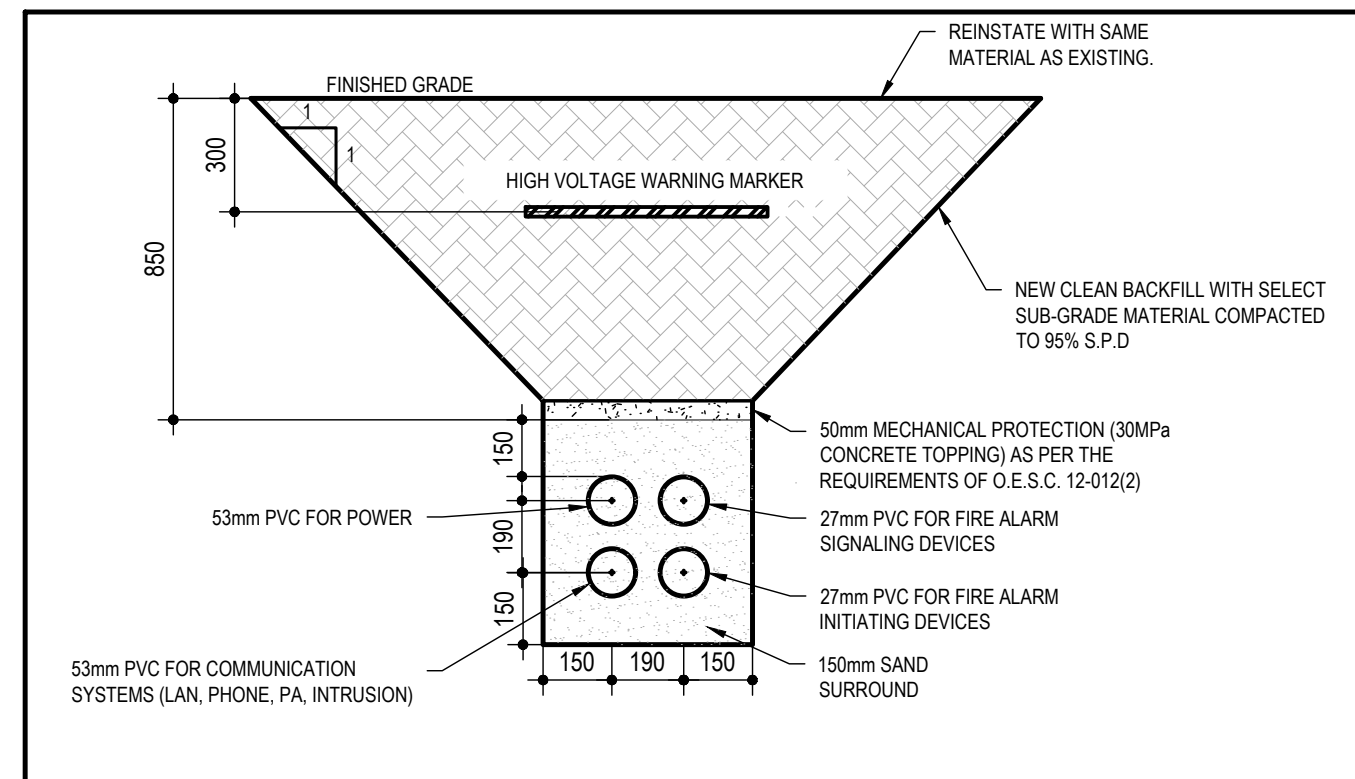
PINEVIEW PS - RAAC
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ACCESSIBILITY
UPGRADES

DRAWING TITLE

ENLARGED PLAN AND
SECTION VIEWS

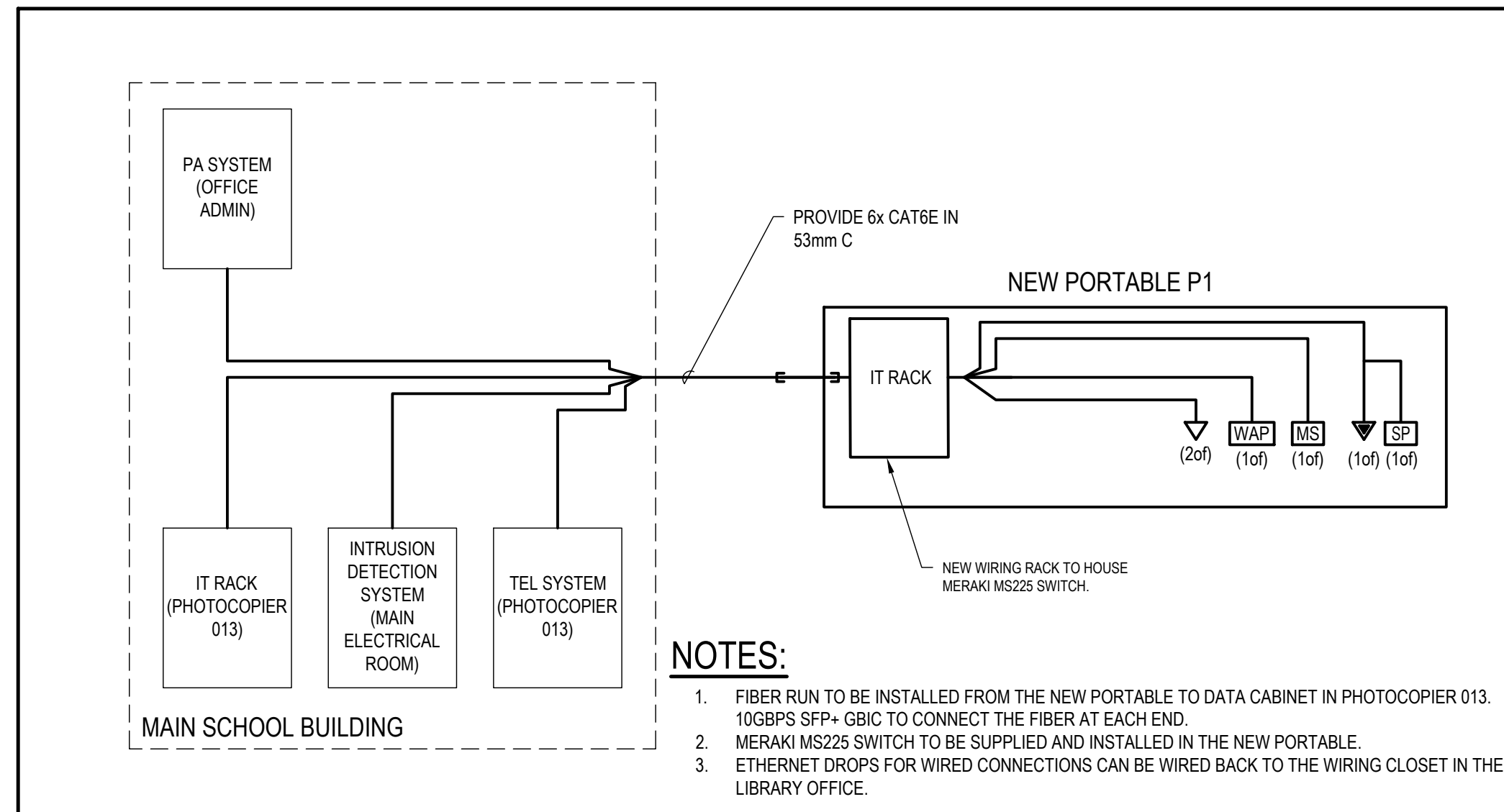
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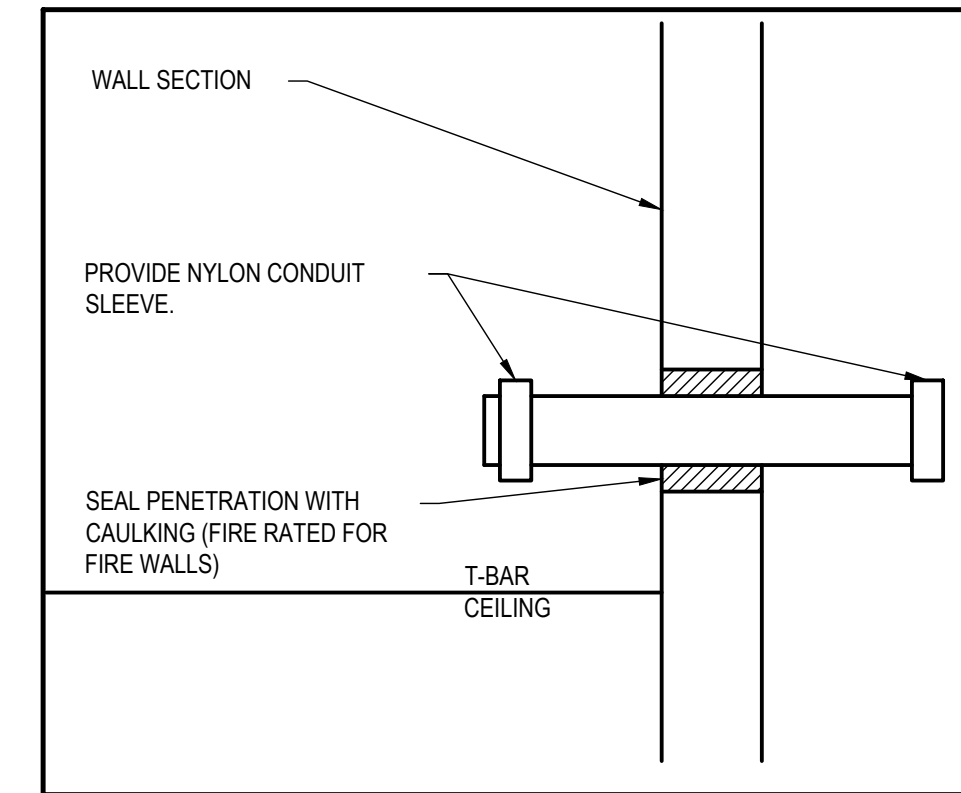


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E701

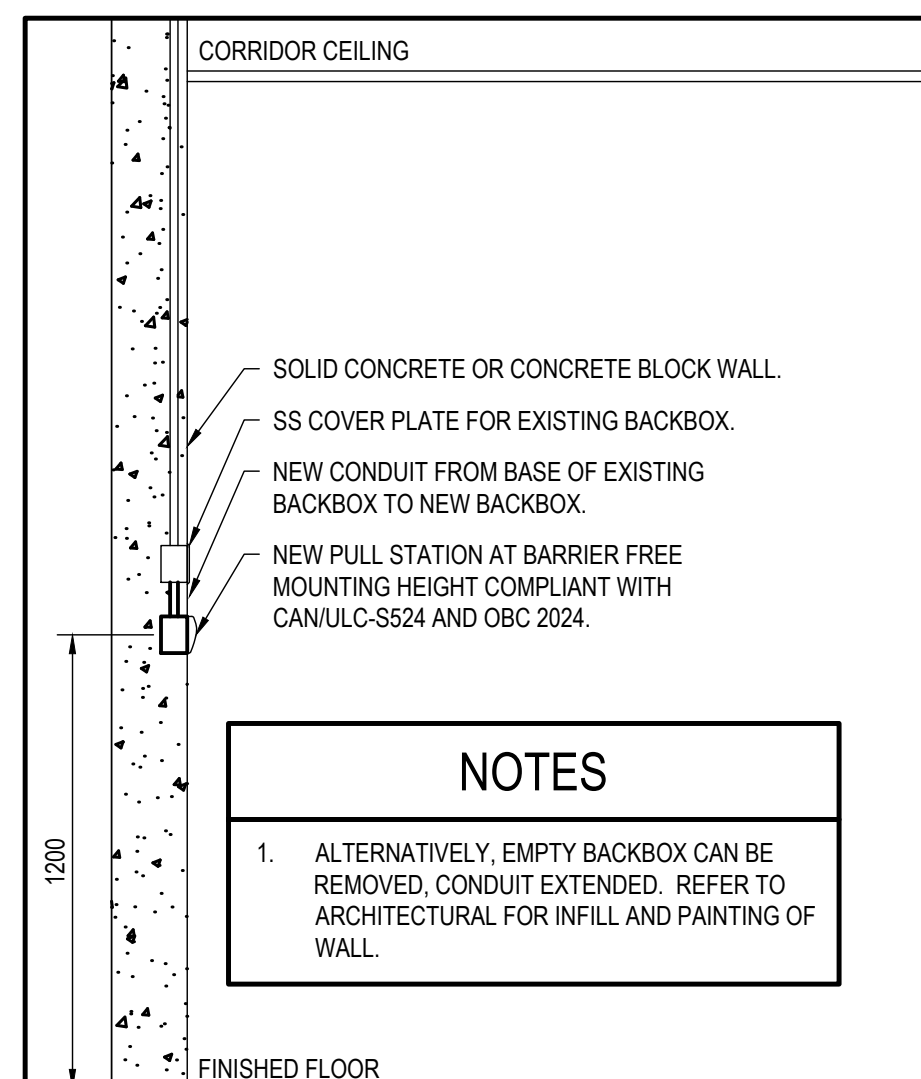
TYPICAL PORTABLE TRENCH DETAIL
SCALE: N.T.S.



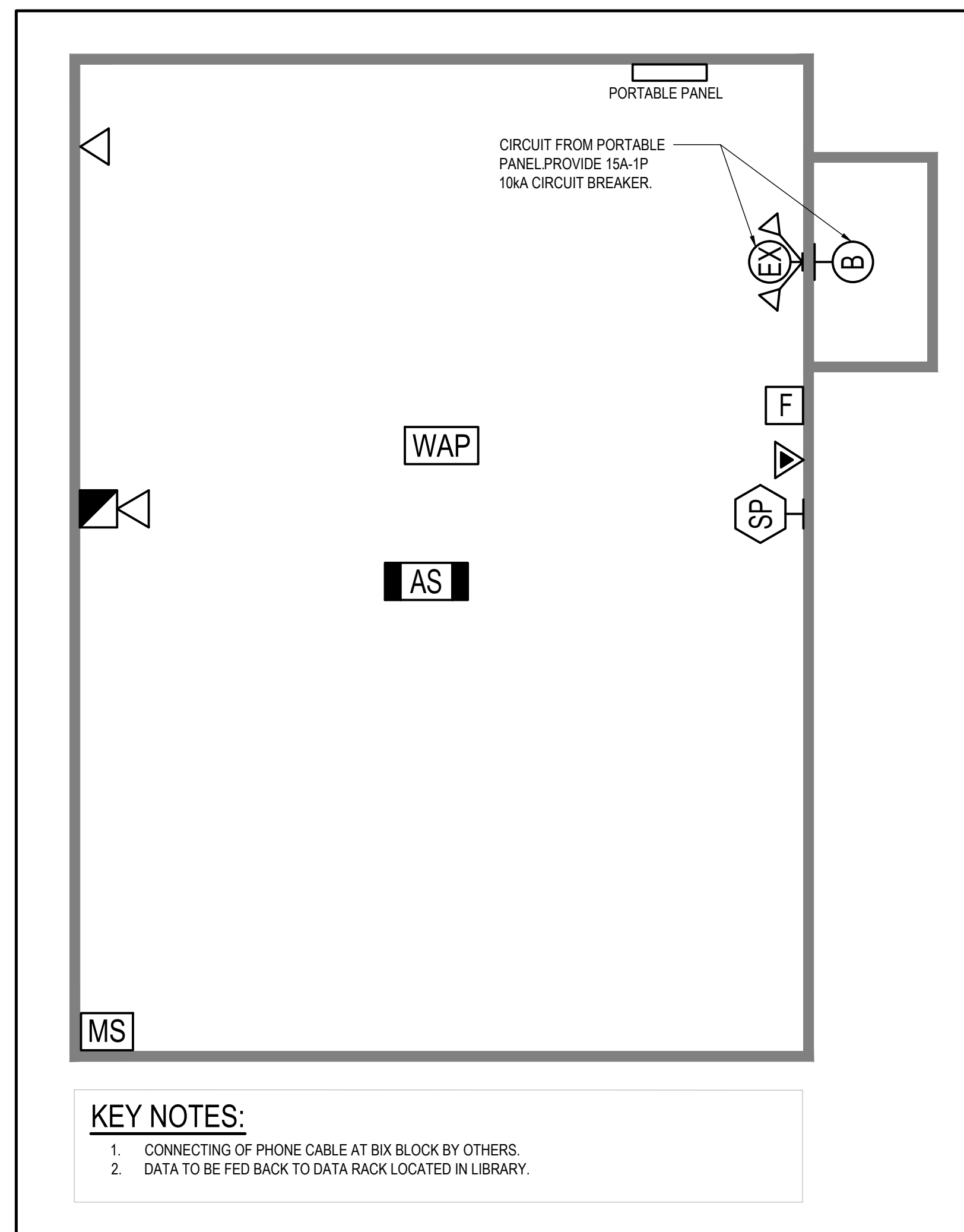
2 PARTIAL COMMUNICATIONS RISER DIAGRAM
E701 SCALE: N.T.S.



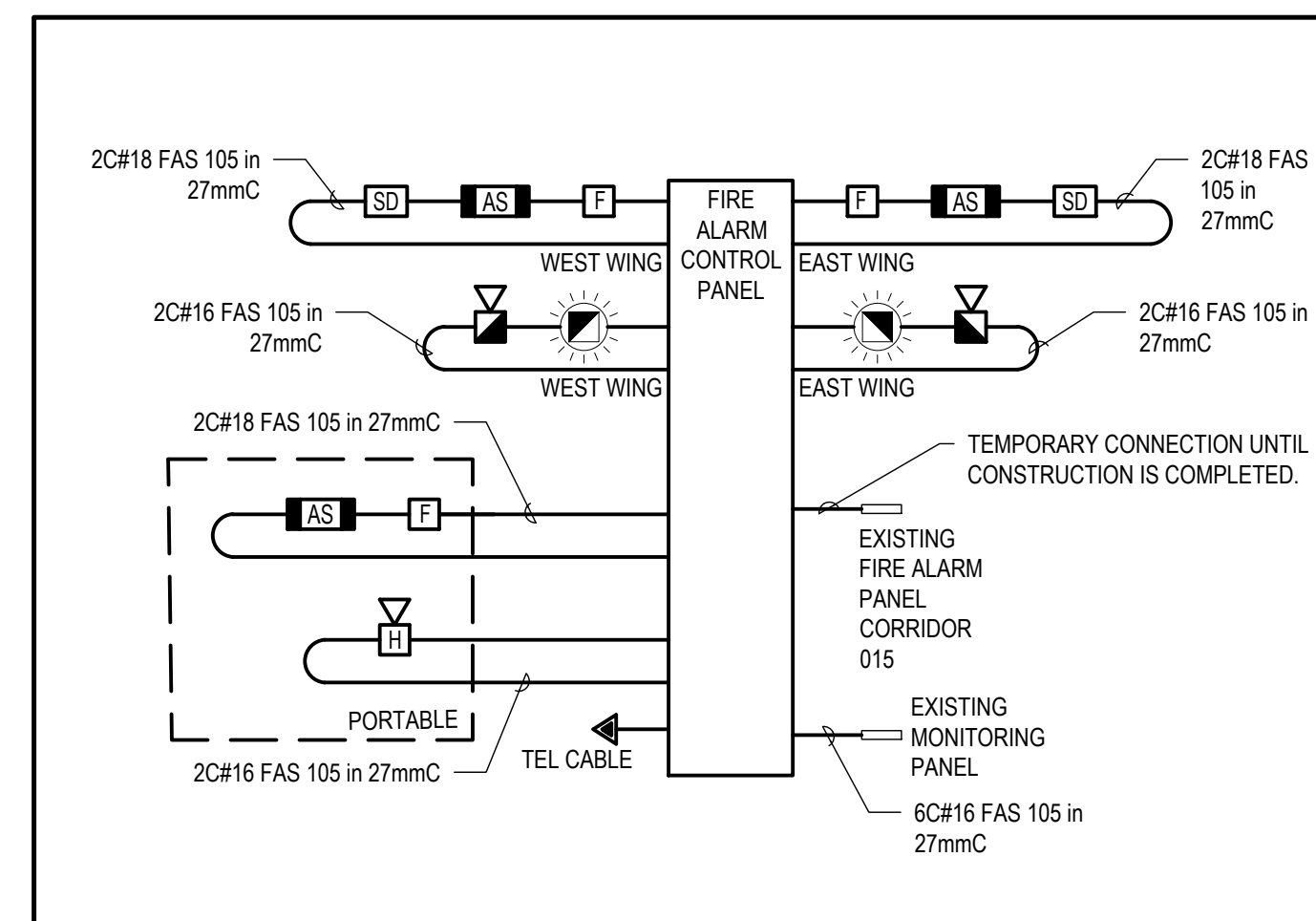
3 CONDUIT STUB DETAIL
E701 SCALE: N.T.S.



4 E701 MANUAL PULL STATION MOUNTING DETAIL SCALE: N.T.S.



5 PORTABLE LAYOUT
E701 SCALE: N.T.S.



6 E701 RENOVATION FIRE ALARM DIAGRAM SCALE: N.T.S.

- FIRE ALARM RISER NOTES

1. EXISTING FIRE ALARM SYSTEM TO BE MAINTAINED AND OPERATIONAL UNTIL NEW SYSTEM IS OPERATIONAL.
2. AREAS OUTSIDE OF RAAC SCOPE ARE TO HAVE NEW DEVICES INSTALLED AND WIRED TO NEW FIRE ALARM PANEL.
3. AREAS WITHIN RAAC SCOPE OF WORK AND TEMPORARY DETECTORS ARE TO REMAIN CONNECTED TO EXISTING PANEL UNTIL NEW DEVICES ARE INSTALLED. NEW DEVICES ARE TO BE CONNECTED TO NEW FIRE ALARM SYSTEM WHEN INSTALLED.
4. EXISTING PANEL IS TO BE TEMPORARILY TIED TO NEW PANEL DURING CONSTRUCTION. EXISTING PANEL IS TO BE REMOVED UPON COMPLETION OF SYSTEM UPGRADE.
5. REFER TO LAYOUT (FLOOR PLAN) FOR EXACT NUMBER OF DEVICES.
6. FIRE ALARM SIGNALING CIRCUITS ARE SHOWN DIAGRAMMATICALLY. PROVIDE SUFFICIENT NUMBER OF SIGNALING CIRCUITS FOR NUMBER OF DEVICES INDICATED PLUS 25% SPARE CAPACITY.
7. PRE-PAINT ALL CONCEALED FIRE ALARM CONDUIT FITTINGS AND JUNCTION BOX COVERS RED. SPRAY PAINT ON CONDUIT SECTIONS WILL NOT BE ACCEPTED. ALTERNATIVELY, PROVIDE CONDUIT WITH RED FACTORY FINISH IN CONCEALED AREAS. IDENTIFY CIRCUITS IN EACH JUNCTION BOX WITH PERMANENT BLACK MARKER ON JUNCTION BOX COVER.
8. EXPOSED CONDUIT IN FINISHED AREAS SHALL BE PRIMED AND THEN PAINTED WITH 2 COATS OF FINISH COLOUR TO MATCH WALL/CEILING. EXPOSED CONDUIT NEED NOT BE PAINTED IN: SERVICE ROOMS, BOILER ROOMS, ELECTRICAL ROOMS, OR SPRINKLER ROOMS.
9. SURFACE MOUNT DEVICES TO BE COMPLETE WITH MANUFACTURER'S PRE-PAINTED OUTLET BOX. BOX COLOUR TO MATCH DEVICE. MIN CONDUIT SIZE TO BE 21mm (3/4") EMT. WHERE MANUFACTURER'S BACKBOX IS NOT AVAILABLE (I.E. CEILING MOUNTED DEVICES) PROVIDE DIE-CAST RAB BOXES, FINISHED TO MATCH DEVICE COLOUR.
10. ALL WIRING (DRY LOCATIONS) SHALL BE RUN IN EMT EXCEPT FOR DEVICE DROPS IN SUSPENDED CEILINGS AS SHOWN IN FIRE DETECTOR INSTALLATION DETAIL. CONDUIT SHALL BE USED FOR MAIN RUNS.
11. ROUTE CONDUIT PARALLEL OR PERPENDICULAR TO BUILDING LINES. ROUTE EXPOSED CONDUIT SO THAT IT IS AS INCONSPICUOUS AS POSSIBLE.
12. PATCHING AND PAINTING BY THIS TRADE. CUT HOLES FOR CEILING MOUNTED DEVICES IN T-BAR AND GYPSUM BOARD CEILINGS WITH APPROPRIATELY SIZED HOLE SAW TO MINIMIZE PATCHING. PRIME AND PAINT AT WALL AND CEILING PATCHING LOCATIONS TO MATCH EXISTING WALL/CEILING COLOUR.
13. PROVIDE FIRE ALARM VERIFICATION TO CANULC-SS37-19 SECTION 7 - SYSTEM MODIFICATIONS UPON COMPLETION OF THE WORK. PROVIDE ULC FORMAT REPORT.
14. LINE ISOLATOR MODULES AND END-OF-LINE DEVICES ARE NOT SHOWN ON PLAN. PROVIDE PER CANULC-SS24 AND OBC REQUIREMENTS.

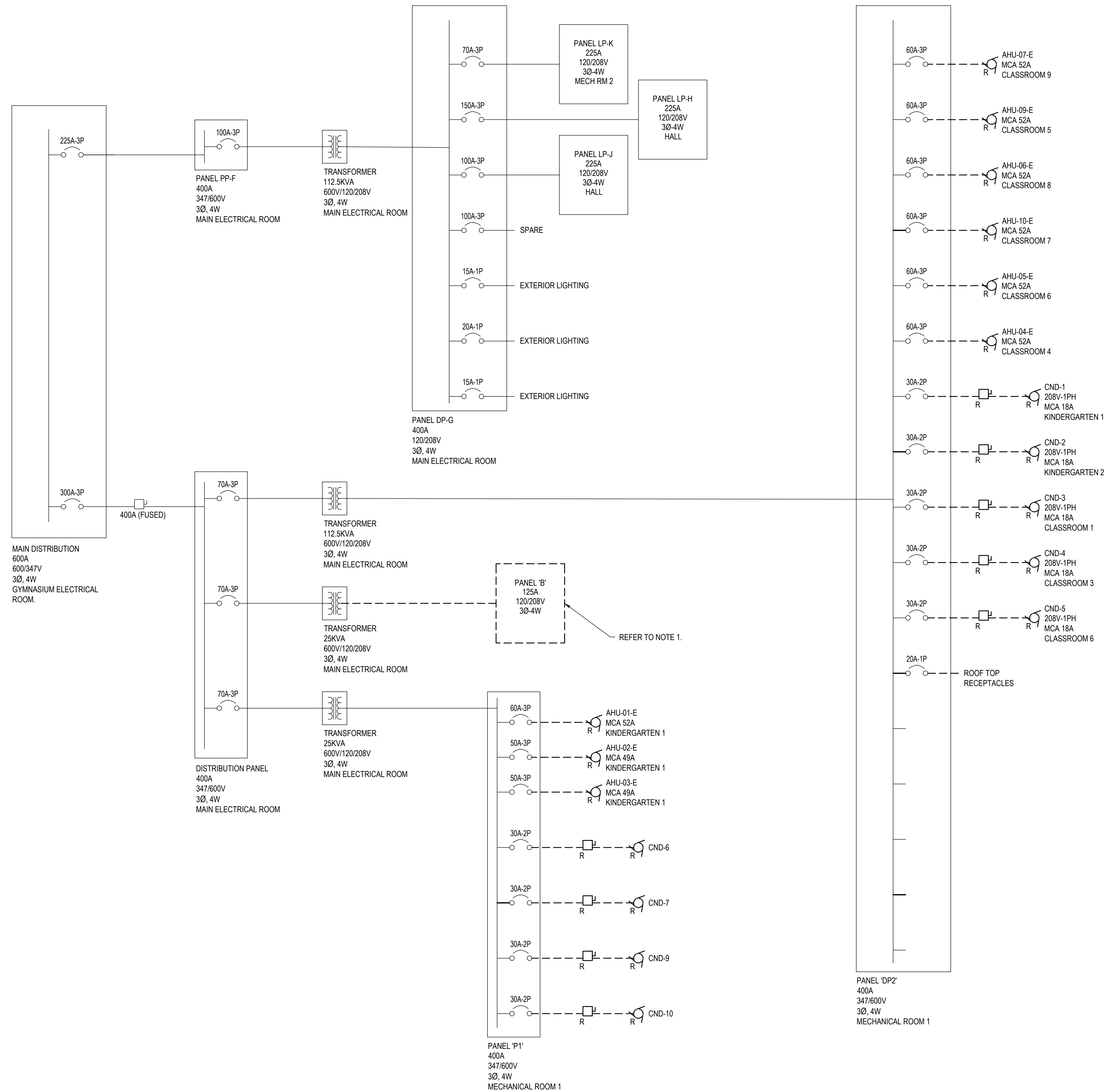
CONTRACT DRAWINGS

CONTRACT DRAWINGS FOR ELECTRICAL WORK ARE IN PART DIAGRAMMATIC, INTENDED TO CONVEY THE SCOPE OF WORK AND GENERAL ARRANGEMENT FOR EQUIPMENT, CONDUIT AND OUTLETS. CONTRACTOR TO COORDINATE LAYOUT OF ELECTRICAL SYSTEMS WITH ARCHITECTURAL, STRUCTURAL, AND MECHANICAL BUILDING COMPONENTS, AS WELL AS OTHER ELECTRICAL SYSTEMS. PROVIDE ADDITIONAL JUNCTION BOXES, FITTINGS, SUPPORTS, ETC. REQUIRED TO FACILITATE THE WORK. NO EXTRA PAYMENTS ARISING FROM FAILURE TO MAKE THIS COORDINATION WILL BE CONSIDERED.

DETAILS

DRAWING NO. **E701**

PRINT DATE: 3/14/2024 9:43:57 AM



GENERAL NOTES

1. REMOVE EXISTING PANEL B AND REMOVE EXISTING FEED BACK TO SOURCE. PROVIDE NEW FEED FROM EXISTING TRANSFORMER TO NEW PANEL B. RE-FEED ALL EXISTING CIRCUITS TO THE NEW PANEL B. EXTEND WIRING AND CONDUITS AS REQUIRED.
2. FOR ALL MECHANICAL EQUIPMENT TO BE REMOVED AND RE-INSTALLED: REPLACE EXISTING WIRING AND CONDUIT WITH WIRING AND CONDUIT OF THE SAME SIZE. EXISTING DISCONNECTS ARE TO BE RE-INSTALLED AS NOTED.

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 REQUIRED TO FACILITATE THE WORK. NO EXTRA PAYMENTS ARISING
 FROM FAILURE TO MAKE THIS COORDINATION WILL BE CONSIDERED.

KW	LEG	DESCRIPTION	BKR	CCT #	CCT #	BKR	DESCRIPTION	LEG	KW
-	-	LIGHTS STAFF WASHROOM, RECEPT RM 18	20	1	2	15	LIGHTS OFFICE AND MACH	-	-
-	-	DOOR OPERATORS - OFFICE AND GYM	15	3	4	15	LIGHTS PRINCIPAL AND VICE PRINCIPAL *	-	-
-	-	DOOR BELL - RECEPTION HALL	15	5	6	15	LIGHTS ROOM 3	-	-
-	-	COORDOR LIGHTS	15	7	8	15	LIGHTS ROOM 3	-	-
-	-	LIGHTS MECHANICAL ROOM *	15	9	10	15	LIGHTS ROOM 3 *	-	-
-	-	LIGHTS ROOM 7 *	15	11	12	15	LIGHTS ROOM 4	-	-
-	-	LIGHTS ROOM 9 *	15	13	14	15	LIGHTS RM 1, WASHROOM, OUTSIDE AND FAN *	-	-
-	-	LIGHTS ROOM 7 *	15	15	16	15	LIGHTS ROOM 1 *	-	-
-	-	LIGHTS ROOM 9 *	15	17	18	15	LIGHTS ROOM 1 *	-	-
-	-	ALARM	15	19	20	15	LIGHTS ROOM 3 *	-	-
-	-	LIGHTS BWR STR	15	21	22	15	LIGHTS ROOM 2	-	-
-	-	LIGHTS ROOM 5 *	15	23	24	15	LIGHTS CORRIDOR	-	-
-	-	LIGHTS ROOM 5 *	15	25	26	15	LIGHTS ROOM 6 *	-	-
-	-	LIGHTS ROOM 8 *	15	27	28	-	LIGHTS ROOM 6 *	-	-
-	-	LIGHTS ROOM 8 *	15	29	30	-	LIGHTS CORRIDOR	-	-
-	-	RECEPTACLE MECHANICAL ROOM 5-7	15	31	32	-	RECEPT MACH, OFFICE, RM 4, RM 6, HALL	-	-
-	-	RECEPTACLE ROOM 1-3	20	33	34	-	RECEPT RM 2, RM 4, RM 6, RM 8, RM 9	-	-
-	-	EXISTING CIRCUIT	40	35	36	15	EXISTING CIRCUIT	-	-
-	-	EXISTING CIRCUIT		37	38	15	EXISTING CIRCUIT	-	-
-	-	HAND DRYER - GIRLS WASHROOM	-	39	40	-	HAND DRYER - GIRLS WASHROOM	-	-
-	-		41	42					
TYPE: NQOB						SHORT CIRCUIT RATING: -			
MAINS RATING: 225A						MAIN BREAKER C/W BARRIER: -			
VOLTAGE RATING: 120/208V						FED FROM: DISTRIBUTION PANEL			
<u>LEGEND:</u>									
* - EXISTING CIRCUIT TO BE REMOVED BACK TO SOURCE. NEW CIRCUIT TO BE INSTALLED ON SAME CIRCUIT NUMBER.									
PANEL 'A'					LOCATION: ELEC 008				

KW	LEG	DESCRIPTION	BKR	CCT #	CCT #	BKR	DESCRIPTION	LEG	KW
-	-	PHOTOCOPIER	20	1	2	15	PHOTOCOPY ROOM	-	-
-	-	PRINCIPAL OFFICE	15	3	4	15	RECEPTION AREA	-	-
-	-	PRINCIPAL OFFICE	15	5	6	15	FRIDGE RECEPTACLE	-	-
-	-	OUTSIDE LIGHTS ROOM 3	15	7	8	15	RECEPTION AREA	-	-
-	-	ROOM 1 WEST WALL	15	9	10	15	RECEPTION DESK	-	-
-	-	LIGHTS ROOM 4 *	15	11	12	15	PHONE SYSTEM	-	-
-	-	RECEPTION LIGHTS *	15	13	14	15	PRINCIPAL AND VICE PRINCIPAL	-	-
-	-	PHOTOCOPY AND PRINCIPAL EMERGENCY LIGHT	15	15	16	15	VICE PRINCIPAL OFFICE	-	-
-	-	PHOTO ROOM EXHAUST FAN	15	17	18	15	SCHOOL BELLS	-	-
-	-	RECEPTION AREA	15	19	20	15	AUTOMATIC DOOR OPERATORS	-	-
-	-	PA SYSTEM	15	21	22	15	FIRE ALARM CONTROL PANEL	-	-
-	-	TELE EQUIP RECEPTACLE	15	23	24	-	SPACE	-	-
-	-	SPACE	-	25	26	-	SPACE	-	-
-	-	SPACE	-	27	28	-	SPACE	-	-
-	-	SPACE	-	29	30	-	SPACE	-	-
-	-	SPACE	-	31	32	-	SPACE	-	-
-	-	SPACE	-	33	34	-	SPACE	-	-
-	-	SPACE	-	35	36	-	SPACE	-	-
-	-	SPACE	-	37	38	-	SPACE	-	-
-	-	SPACE	-	39	40	-	SPACE	-	-
-	-	SPACE	-	41	42	-	SPACE	-	-
TYPE: PL1A						SHORT CIRCUIT RATING: -			
MAINS RATING: 225A						MAIN BREAKER C/W BARRIER: -			
VOLTAGE RATING: 120/208V						FED FROM: DISTRIBUTION PANEL			
LEGEND:									
* - EXISTING CIRCUIT TO BE REMOVED BACK TO SOURCE. NEW CIRCUIT TO BE INSTALLED ON SAME CIRCUIT NUMBER.									
PANEL 'MM'					LOCATION: PHOTOCOPIER 013				

KW	LEG	DESCRIPTION	BKR	CCT #	CCT #	BKR	DESCRIPTION	LEG	KW
-	-	RAMP LIGHTS	15	1	2	15	STAGE FLOOD LIGHTS	-	-
-	-	EXISTING CIRCUIT	15	3	4	20	GYM LIGHTS ROW 2	-	-
-	-	GYM LIGHTS ROW 4	20	5	6	20	GYM LIGHTS ROW 1	-	-
-	-	GYM LIGHTS ROW 3	20	7	8	15	KITCHEN, HEALTH, EQUIPMENT ROOM LIGHTS	-	-
-	-	EXTERIOR ENTRANCE LIGHT	15	9	10	15	STAGE RECEPTACLE	-	-
-	-	GYM KITCHEN RECEPTACLE	15	11	12	15	GYM AND STAGE RECEPTACLE	-	-
-	-	GYM KITCHEN GFCI RECEPTACLE	15	13	14	15	EMERGENCY LIGHT PACK	-	-
-	-	GYM RECEPTACLE	20	15	16	20	STAGE LIFT MAINTENANCE RECEPTACLE	-	-
-	-	ELECTRICAL AND STAGE HALL LIGHT	15	17	18	15	EXISTING CIRCUIT	-	-
-	-	HEALTH ROOM RECEPTACLES	15	19	20	-	EXISTING CIRCUIT	-	-
-	-	STAGE LIGHTS	15	21	22				
2.2	-	STAGE LIFT	15	23	24	15	GYM CEILING EAST	-	-
TYPE: NQOB						SHORT CIRCUIT RATING: -			
MAINS RATING: 200A						MAIN BREAKER C/W BARRIER: -			
VOLTAGE RATING: 120/208V						FED FROM: DISTRIBUTION PANEL			
<u>LEGEND:</u>									
* - EXISTING CIRCUIT TO BE REMOVED BACK TO SOURCE. NEW CIRCUIT TO BE INSTALLED ON SAME CIRCUIT NUMBER.									
PANEL 'B'					LOCATION: STAGE 003				

KW	LEG	DESCRIPTION	BKR	CCT #	CCT #	BKR	DESCRIPTION	LEG	KW
-	-	STAFF ROOM SPLIT	15	1	2	50	STOVE	-	-
-	-	STAFF ROOM FRIDGE	15	3	4				
-	-	STAFF ROOM SPLIT	15	5	6	20	STAFF ROOM PHOTOCOPIER	-	-
-	-	STAFF ROOM LIGHTS	15	7	8	15	LIBRARY COMPUTER RECEPTACLE	-	-
-	-	STAFF ROOM WASHROOM	15	9	10	15	LIBRARY COMPUTER RECEPTACLE	-	-
-	-	STAFF ROOM GFI	20	11	12	15	LIBRARY COMPUTER RECEPTACLE	-	-
-	-	STAFF ROOM GFI	20	13	14	15	LIBRARY COMPUTER RECEPTACLE	-	-
-	-	STAFF ROOM GFI	20	15	16	15	LIBRARY COMPUTER RECEPTACLE	-	-
-	-	GIRLS CHANGE ROOM HEATER	20	17	18	15	LIBRARY COMPUTER RECEPTACLE	-	-
				19	20	15	LIBRARY COMPUTER RECEPTACLE	-	-
-	-	BOYS CHANGE ROOM HEATER	20	21	22	15	LIBRARY COMPUTER RECEPTACLE	-	-
				23	24	15	LIBRARY COMPUTER RECEPTACLE	-	-
-	-	AUTOMATIC DOOR OPERATORS	15	25	26	15	AUTOMATIC DOOR OPERATORS	-	-
-	-	SPACE	-	27	28	-	SPACE	-	-
-	-	SPACE	-	29	30	-	SPACE	-	-
TYPE: NQOB						SHORT CIRCUIT RATING: -			
MAINS RATING: 200A						MAIN BREAKER C/W BARRIER: -			
VOLTAGE RATING: 120/208V						FED FROM: DISTRIBUTION PANEL			
LEGEND:									
* - EXISTING CIRCUIT TO BE REMOVED BACK TO SOURCE. NEW CIRCUIT TO BE INSTALLED ON SAME CIRCUIT NUMBER.									
PANEL 'LP-K'					LOCATION: CUSTODIAL 044				

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ARCHITECTURE 49

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CONSULTANT



SNETSINGER CONSULTANTS LTD.
11312 LAKESHORE DR. | IROQUOIS, ON, CANADA K0E 1K0
Phone: 613-860-1115

CLIENT



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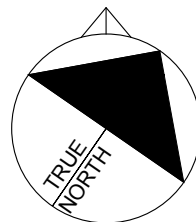
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THIS BAR IS 25mm LONG WHEN PLOTTED AT
CORRECT SCALE. DO NOT SCALE DRAWINGS.

25mm

NORTH ARROW:



DIGITAL REFERENCE:

PROJECT NO. : CA00067247.2663 CONTRACT NO.

DRAWN BY: DM CHECKED BY: DM APPROVED BY: MB

KEYPLAN:

4	2026-05-07	ISSUED FOR TENDER/PERMIT
3	2026-04-02	ISSUED FOR 99% REVIEW
2	2026-03-13	ISSUED FOR 66% REVIEW
1	2026-02-24	ISSUED FOR 33% REVIEW
NO.	DATE	ISSUED

PROJECT

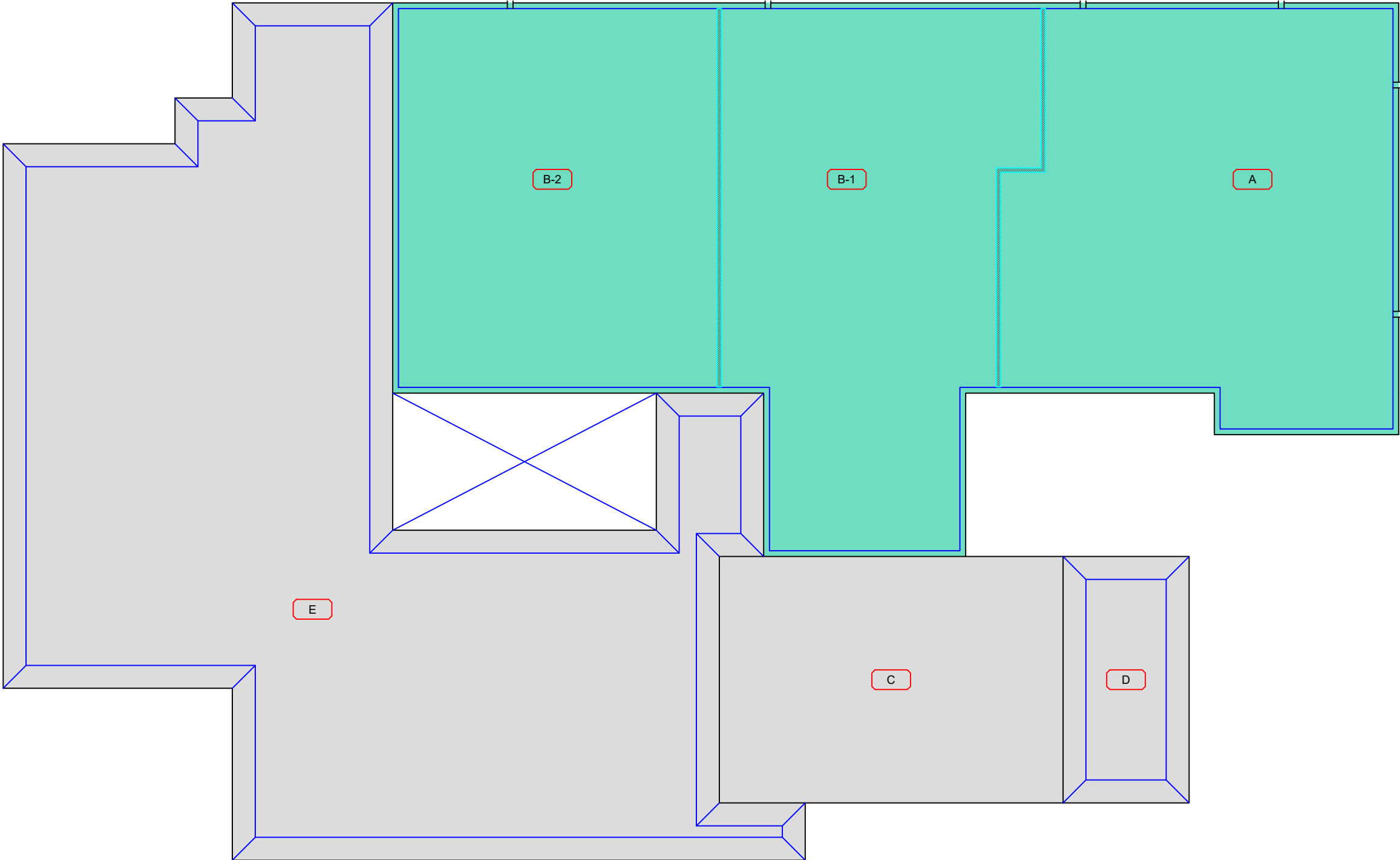
PINEVIEW PS - RAAC
REPLACEMENT &
ACCESSIBILITY
UPGRADES

DRAWING TITLE

PANEL
SCHEDULES

DRAWING NO. E803

PRINT DATE: 3/14/2024 9:43:57 AM



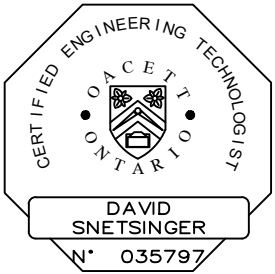
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KP1

KEY PLAN

SCALE: N.T.S.

- GENERAL NOTES:
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 - sump area around drain to be 1.2m x 1.2m unless otherwise noted.
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 - RD = New roof drains to be Thaler RD-4C
 - Modify gas lines, mechanical lines and conduits to suit new construction

ROOF No:	CUT TEST INFORMATION:			
A, B-1 & B-2	<ul style="list-style-type: none">2-PLY MBM MEMBRANE SYSTEM0.25" ASPHALTIC PROTECTION BOARDTAPERED POLYSIO INSULATION3" POLYSIO INSULATIONMBM VAPOUR BARRIERRESIDUAL 4-PLY BUR MEMBRANEAERATED CONCRETE (SIPOREX) DECK			Note: Contractor is responsible to visit the site and verify and confirm all details, dimensions and site conditions prior to submitting tender bid.



SYMBOL LEGEND		
	ROOF AREA IDENTIFIER	GAS LINE
	PLUMBING VENT	CONDUIT
	ROOF DRAIN	ACCESS LADDER
	GOOSENECK VENT	DUCT WORK
	EXHAUST FAN	SLEEPERS
	FURNACE VENT	SATELLITE DISH
	HVAC UNIT	MAKE-UP AIR UNIT
	SKYLIGHT	LOUVERED MECHANICAL HOOD
	ROOF ACCESS HATCH	MECHANICAL HOOD
	PIPE ENCLOSURE	DUCTWORK CURB
	REDUNDANT PENETRATION	REFRIGERATION UNIT
	CHIMNEY CURB	SAFETY ANCHOR
	CHIMNEY STACK	REFRIGERATION LINE
	VENT CURB	LIGHTNING PROTECTION
	MECHANICAL / ELECTRICAL FLASHING	
	VENT STACK	LOUVERED ENCLOSED
	A/C UNIT PLATFORM	GRAVITY VENT



UPPER
CANADA

DISTRICT SCHOOL BOARD

No.	DATE	REVISION
2	APRIL, 2026	ISSUED FOR TENDER
1	MAR. 2026	ISSUED FOR REVIEW

NOTE: THE ROOFING CONTRACTOR SHALL BE RESPONSIBLE FOR SITE VERIFICATION OF ALL ROOF MEASUREMENTS

SNETSINGER CONSULTANTS LTD.

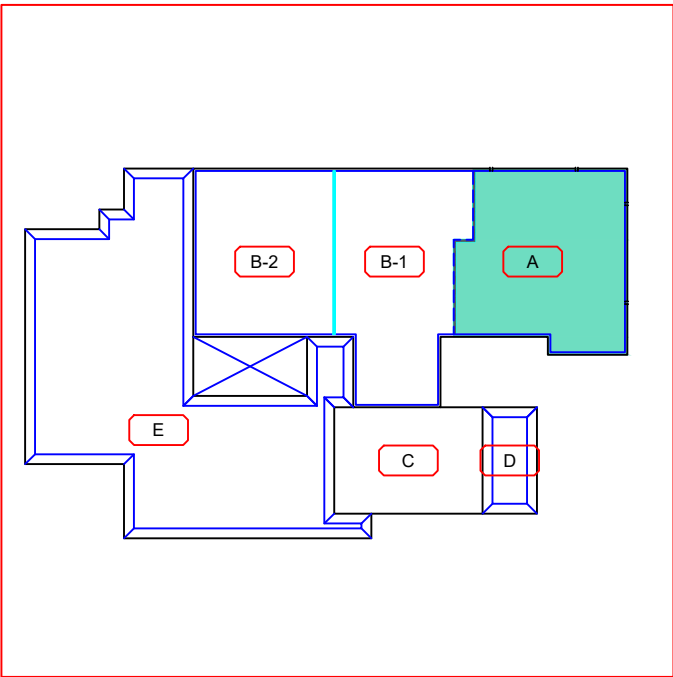
ROOFING AND BUILDING SCIENCE SPECIALIST
11312 LAKESHORE DR., IROQUOIS, ONT. K0E 1K0
PHONE: 613 860 1115 FAX: 613 652 2778

TITLE: KEY PLAN

CLIENT: UCDSB

PROJECT: Pineview PS - RAAC REPLACEMENT & ACCESS UPGRADES

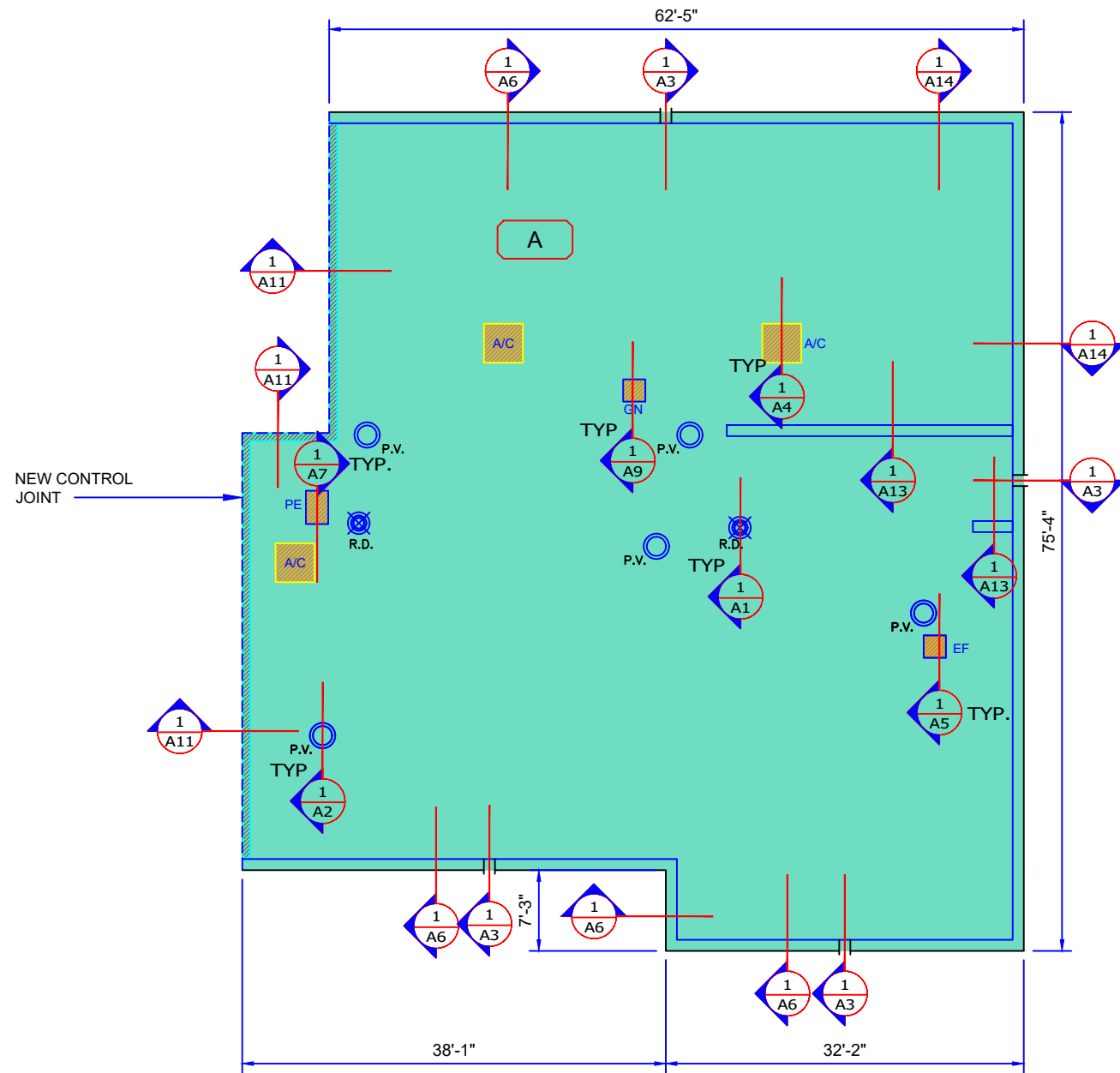
SCL #:	26-002	NORTH:	
SCALE:	N.T.S.		
DATE:	MAR. 2026		
DRN BY:	SC	DWG #:	KP1
DESIGN BY:	EB		



1
KP1

ROOF AREA KEY PLAN

SCALE: N.T.S.



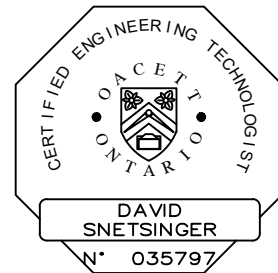
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RP1

ROOF PLAN

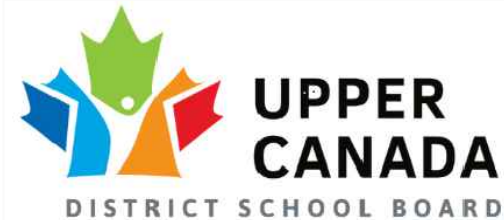
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	ROOF DRAIN	ACCESS LADDER
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	EXHAUST FAN	SLEEPERS
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	PIPE ENCLOSURE	DUCTWORK CURB
	REDUNDANT PENETRATION	REFRIGERATION UNIT
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	VENT STACK	LOUVERED ENCLOSED
	A/C UNIT PLATFORM	GRAVITY VENT



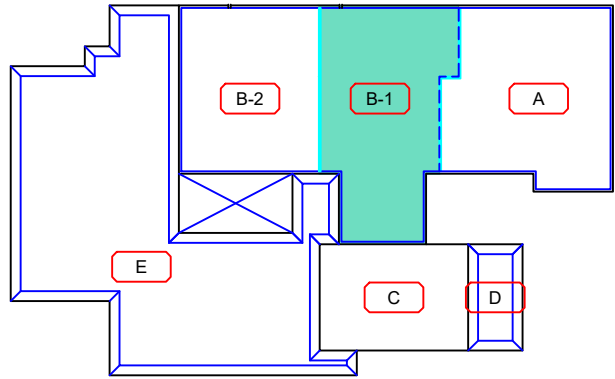
No.	DATE	REVISION
2	APRIL, 2026	ISSUED FOR TENDER
1	MAR. 2026	ISSUED FOR REVIEW

NOTE: THE ROOFING CONTRACTOR SHALL BE RESPONSIBLE FOR SITE VERIFICATION OF ALL ROOF MEASUREMENTS

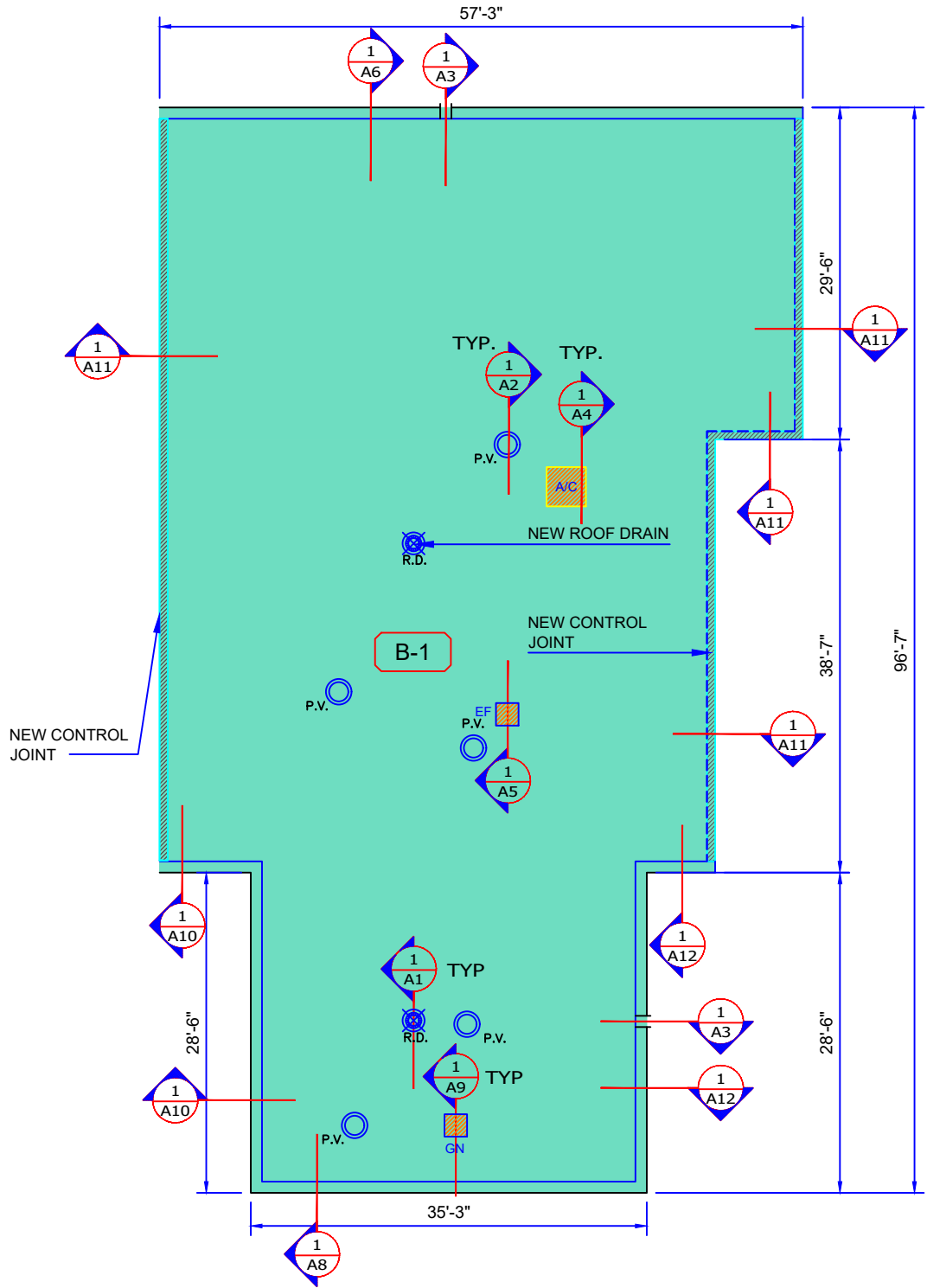
SNETSINGER CONSULTANTS LTD.
ROOFING AND BUILDING SCIENCE SPECIALIST
11312 LAKESHORE DR., IROQUOIS, ONT. K0E 1K0
PHONE: 613 860 1115 FAX: 613 652 2778

TITLE: **ROOF PLAN**
CLIENT: **UCDSB**
PROJECT: **Pineview PS - RAAC REPLACEMENT & ACCESS UPGRADES**

SCL #:	26-002	NORTH:	
SCALE:	N.T.S.		
DATE:	MAR. 2026		
DRN BY:	SC	DWG #:	RP1
DESIGN BY:	EB		



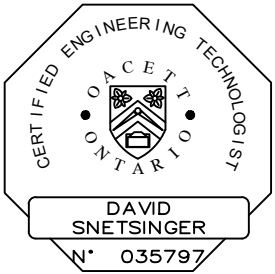
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KP1 **ROOF AREA KEY PLAN**
SCALE: N.T.S.



1
RP2 **ROOF PLAN**
SCALE: N.T.S.

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A, B-1 & B-2	<ul style="list-style-type: none">2-PLY MBM MEMBRANE SYSTEM0.25" ASPHALTIC PROTECTION BOARDTAPERED POLYSIO INSULATION3" POLYSIO INSULATIONMBM VAPOUR BARRIERRESIDUAL 4-PLY BUR MEMBRANEAERATED CONCRETE (SIPOREX) DECK			Note: Contractor is responsible to visit the site and verify and confirm all details, dimensions and site conditions prior to submitting tender bid.



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	PLUMBING VENT	CONDUIT
	ROOF DRAIN	ACCESS LADDER
	GOOSENECK VENT	DUCT WORK
	EXHAUST FAN	SLEEPERS
	FURNACE VENT	SAT SATELLITE DISH
	HVAC UNIT	MUU MAKE-UP AIR UNIT
	SKYLIGHT	LMH LOUVERED MECHANICAL HOOD
	ROOF ACCESS HATCH	MH MECHANICAL HOOD
	PIPE ENCLOSURE	D DUCTWORK CURB
	REDUNDANT PENETRATION	REF REFRIGERATION UNIT
	CHIMNEY CURB	SA SAFETY ANCHOR
	CHIMNEY STACK	REF REFRIGERATION LINE
	VENT CURB	LP LIGHTNING PROTECTION
	MECHANICAL / ELECTRICAL FLASHING	
	VENT STACK	LE LOUVERED ENCLOSED
	A/C UNIT PLATFORM	GV GRAVITY VENT



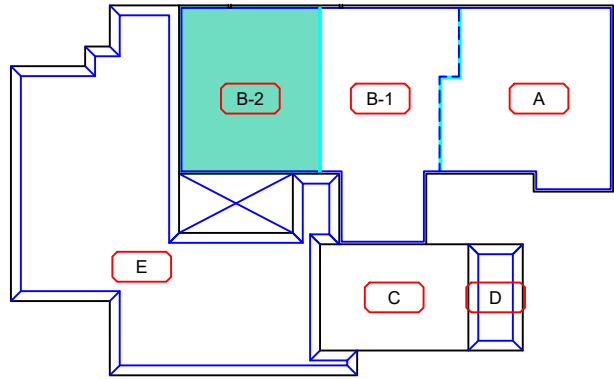
No.	DATE	REVISION
2	APRIL, 2026	ISSUED FOR TENDER
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ROOFING AND BUILDING SCIENCE SPECIALIST
11312 LAKESHORE DR., IROQUOIS, ONT. K0E 1K0
PHONE: 613 860 1115 FAX: 613 652 2778

TITLE: **ROOF PLAN**
CLIENT: **UCDSB**
PROJECT: **Pineview PS - RAAC REPLACEMENT & ACCESS UPGRADES**

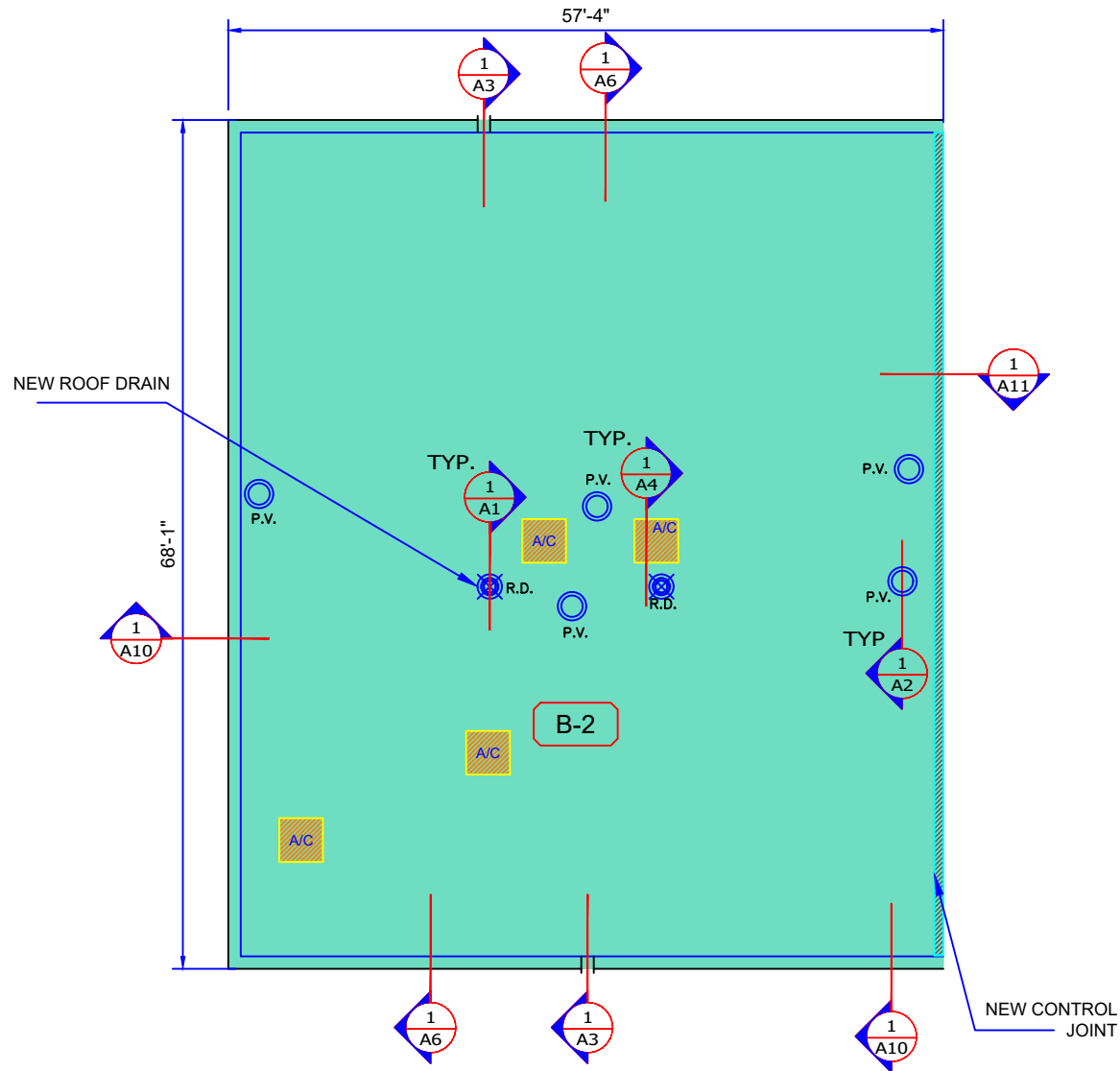
SCL #:	26-002	NORTH:	
SCALE:	N.T.S.		
DATE:	MAR. 2026		
DRN BY:	SC	DWG #:	RP2
DESIGN BY:	EB		



1
KP1

ROOF AREA KEY PLAN

SCALE: N.T.S.



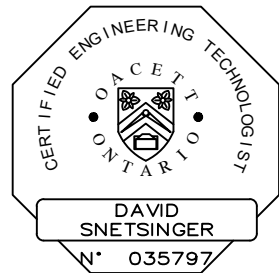
1
RP3

ROOF PLAN

SCALE: N.T.S.

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ROOF No:	CUT TEST INFORMATION:			
A, B-1 & B-2	<ul style="list-style-type: none">2-PLY MBM MEMBRANE SYSTEM0.25" ASPHALTIC PROTECTION BOARDTAPERED POLYSIO INSULATION3" POLYSIO INSULATIONMBM VAPOUR BARRIERRESIDUAL 4-PLY BUR MEMBRANEAERATED CONCRETE (SIPOREX) DECK			Note: Contractor is responsible to visit the site and verify and confirm all details, dimensions and site conditions prior to submitting tender bid.



SYMBOL LEGEND		
	ROOF AREA IDENTIFIER	GAS LINE
	PLUMBING VENT	CONDUIT
	ROOF DRAIN	ACCESS LADDER
	GOOSENECK VENT	DUCT WORK
	EXHAUST FAN	SLEEPERS
	FURNACE VENT	SAT SATELLITE DISH
	HVAC UNIT	MUU MAKE-UP AIR UNIT
	SKYLIGHT	LMH LOUVERED MECHANICAL HOOD
	ROOF ACCESS HATCH	MH MECHANICAL HOOD
	PIPE ENCLOSURE	D DUCTWORK CURB
	REDUNDANT PENETRATION	REF REFRIGERATION UNIT
	CHIMNEY CURB	S SAFETY ANCHOR
	CHIMNEY STACK	REF REFRIGERATION LINE
	VENT CURB	LP LIGHTNING PROTECTION
	MECHANICAL / ELECTRICAL FLASHING	
	VENT STACK	LE LOUVERED ENCLOSED
	A/C UNIT PLATFORM	GV GRAVITY VENT



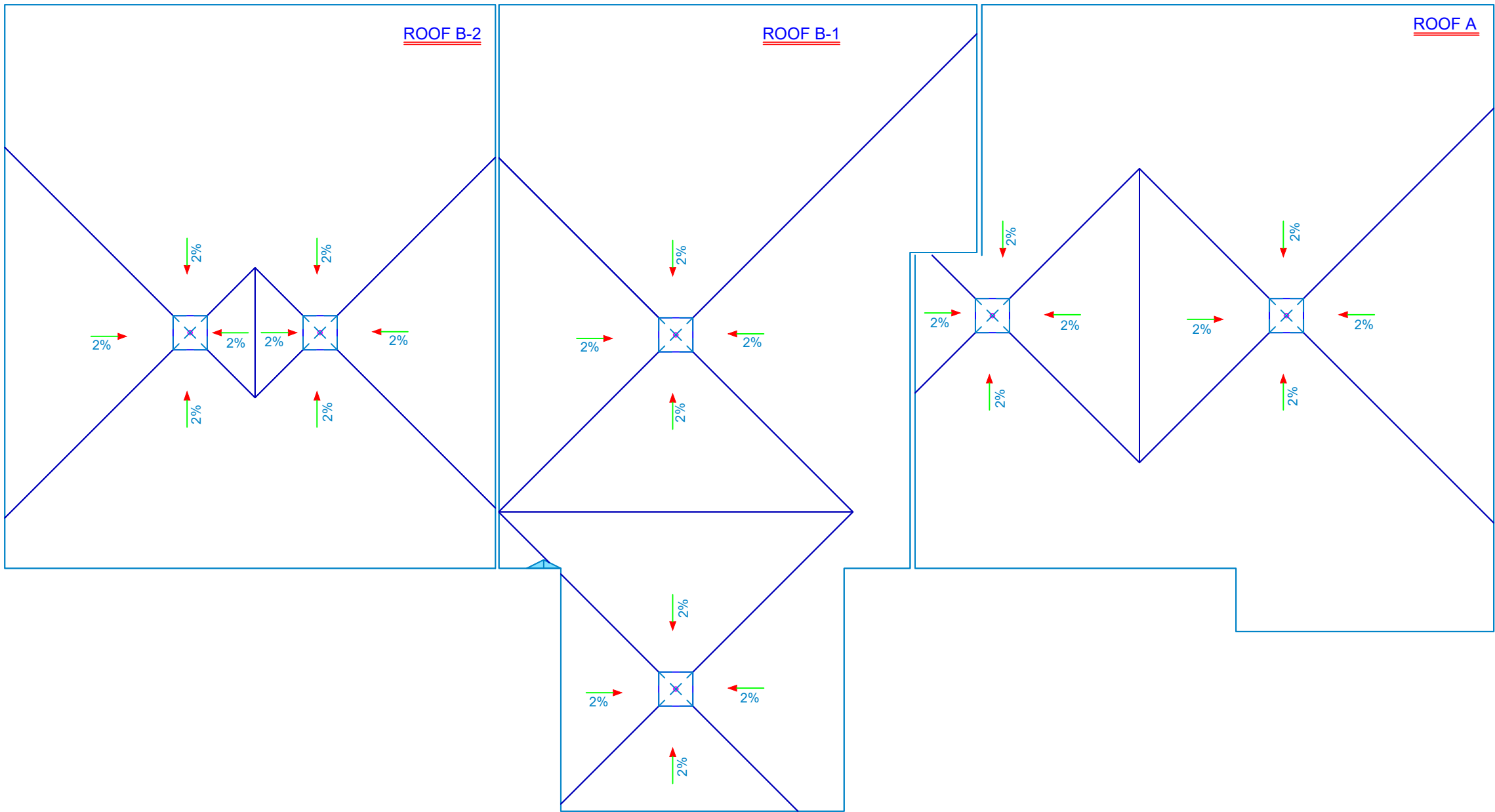
No.	DATE	REVISION
2	APRIL, 2026	ISSUED FOR TENDER
1	MAR. 2026	ISSUED FOR REVIEW

NOTE: THE ROOFING CONTRACTOR SHALL BE RESPONSIBLE FOR SITE VERIFICATIN OF ALL ROOF MEASUREMENTS

SNETSINGER CONSULTANTS LTD.
ROOFING AND BUILDING SCIENCE SPECIALIST
11312 LAKESHORE DR., IROQUOIS, ONT. K0E 1K0
PHONE: 613 860 1115 FAX: 613 652 2778

TITLE: **ROOF PLAN**
CLIENT: **UCDSB**
PROJECT: **Pineview PS - RAAC REPLACEMENT & ACCESS UPGRADES**

SCL #:	26-002	
SCALE:	N.T.S.	
DATE:	MAR. 2026	
DRN BY:	SC	DWG #: RP3
DESIGN BY:	EB	



SYMBOL LEGEND		
	ROOF AREA IDENTIFIER	GAS LINE
	PLUMBING VENT	CONDUIT
	ROOF DRAIN	ACCESS LADDER
	GOOSENECK VENT	DUCT WORK
	EXHAUST FAN	SLEEPERS
	FURNACE VENT	SATELLITE DISH
	HVAC UNIT	MAKE-UP AIR UNIT
	SKYLIGHT	LOUVERED MECHANICAL HOOD
	ROOF ACCESS HATCH	MECHANICAL HOOD
	PIPE ENCLOSURE	DUCTWORK CURB
	REDUNDANT PENETRATION	REFRIGERATION UNIT
	CHIMNEY CURB	SAFETY ANCHOR
	CHIMNEY STACK	REFRIGERATION LINE
	VENT CURB	LIGHTNING PROTECTION
	MECHANICAL / ELECTRICAL FLASHING	
	VENT STACK	LOUVERED ENCLOSED
	A/C UNIT PLATFORM	GRAVITY VENT



No.	DATE	REVISION
2	APRIL, 2026	ISSUED FOR TENDER
1	MAR. 2026	ISSUED FOR REVIEW

NOTE: THE ROOFING CONTRACTOR SHALL BE RESPONSIBLE FOR SITE VERIFICATION OF ALL ROOF MEASUREMENTS

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ROOFING AND BUILDING SCIENCE SPECIALIST
11312 LAKESHORE DR., IROQUOIS, ONT. K0E 1K0
PHONE: 613 860 1115 FAX: 613 652 2778

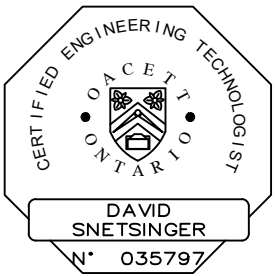
TITLE: **TAPERED INSULATION PLAN**
CLIENT: **UCDSB**
PROJECT: **Pineview PS - RAAC REPLACEMENT & ACCESS UPGRADES**

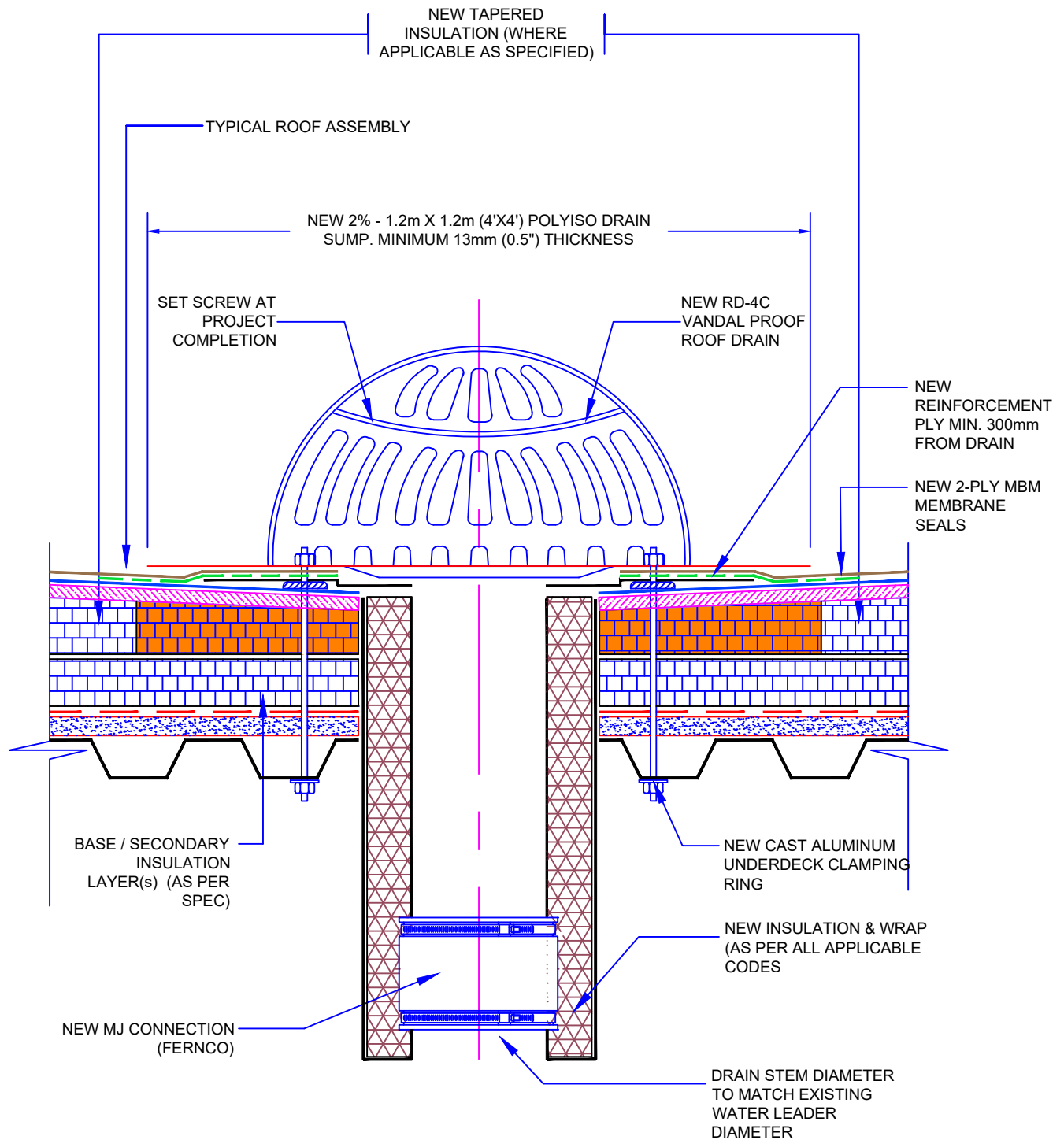
SCL #:	26-002	NORTH:	
SCALE:	N.T.S.		
DATE:	MAR. 2026		
DRN BY:	SC	DWG #:	RP4
DESIGN BY:	EB		

1 RP4 **TAPERED INSULATION PLAN - AREAS A, B-1 & B-2** SCALE: N.T.S.

- GENERAL NOTES:
- Information on existing measurements and site conditions are provided as a guideline only. Contractor is responsible for verifying all existing measurements, conditions and roof assembly.
 - SLOPED INSULATION INFORMATION:**
 - sump area around drain to be 1.2m x 1.2m unless otherwise noted.
 - all sloped insulation sumps to be 2% slope as noted.
 - DRAIN ASSEMBLY INFORMATION:**
 - RD = New roof drains to be Thaler RD-4C
 - Modify gas lines, mechanical lines and conduits to suit new construction

ROOF No:	CUT TEST INFORMATION:			
A, B-1 & B-2	<ul style="list-style-type: none">2-PLY MBM MEMBRANE SYSTEM0.25" ASPHALTIC PROTECTION BOARDTAPERED POLYSIO INSULATION3" POLYSIO INSULATIONMBM VAPOUR BARRIERRESIDUAL 4-PLY BUR MEMBRANEAERATED CONCRETE (SIPOREX) DECK			Note: Contractor is responsible to visit the site and verify and confirm all details, dimensions and site conditions prior to submitting tender bid.



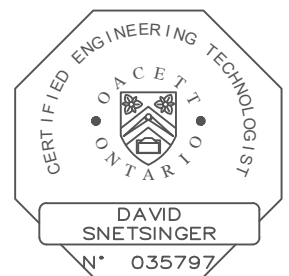


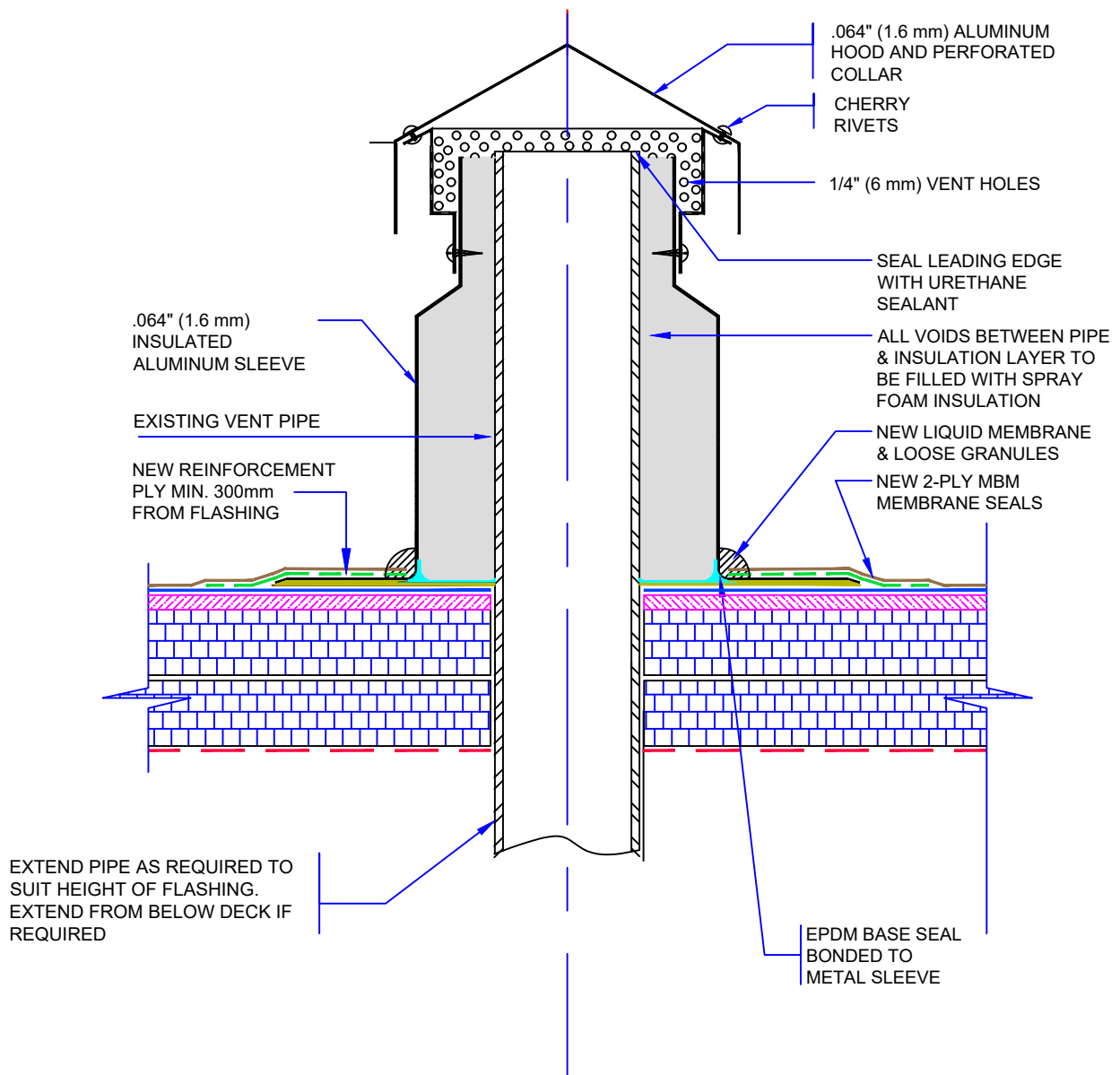
UPPER CANADA
DISTRICT SCHOOL BOARD

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 ROOFING AND BUILDING SCIENCE SPECIALIST
 11312 LAKESHORE DR., IROQUOIS, ONT. K0E 1K0
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TITLE: ROOF DRAIN DETAIL			
PROJECT: Pineview PS - RAAC REPLACEMENT & ACCESS UPGRADES			
No.	DATE	JOB #:	SCALE:
		26-002	NTS
			DATE: MAR. 2026
		DESIGN BY: DS	DATE: DATE
		DRN BY: SC	DWG #: A1
		CHK. BY: EB	





SJ-31 VANDALPROOF FLASHING

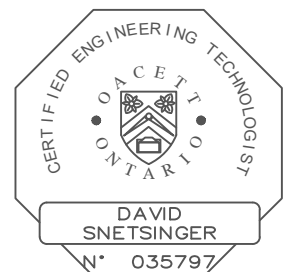


SNETSINGER CONSULTANTS LTD.

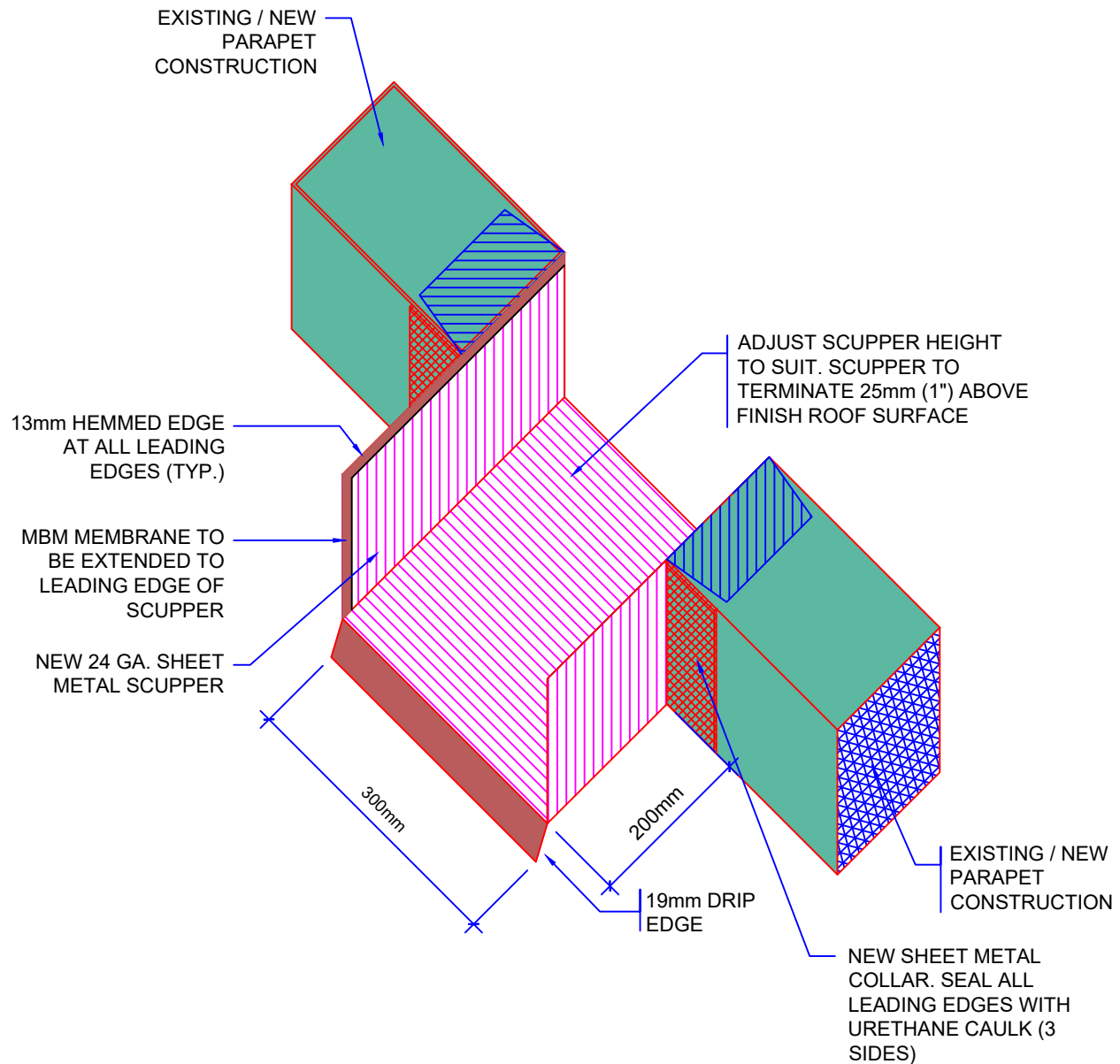
ROOFING AND BUILDING SCIENCE SPECIALIST
11312 LAKESHORE DR., IROQUOIS, ONT. K0E 1K0
PHONE: 613 860 1115 FAX: 613 652 2778

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TITLE: PLUMBING VENT DETAIL			
PROJECT: Pineview PS - RAAC REPLACEMENT & ACCESS UPGRADES			
No.	DATE	JOB #:	SCALE:
		26-002	NTS
			DATE: MAR. 2026
		DESIGN BY: DS	DATE: DATE
		DRN BY: SC	DWG #: A2
		CHK. BY: EB	



NOTE:
DO NOT INSTALL SCUPPERS OVER
DOORWAYS OR POINTS OF ACCESS /
EGRESS. CONFIRM ALL LOCATIONS WITH
ARCHITECT & OWNER PRIOR TO
INSTALLATION.

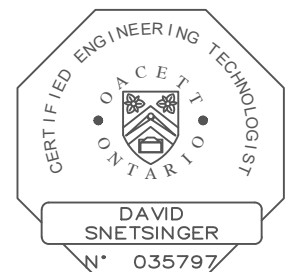


 **UPPER
CANADA**
DISTRICT SCHOOL BOARD

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ROOFING AND BUILDING SCIENCE SPECIALIST
11312 LAKESHORE DR., IROQUOIS, ONT. K0E 1K0
PHONE: 613 860 1115 FAX: 613 652 2778

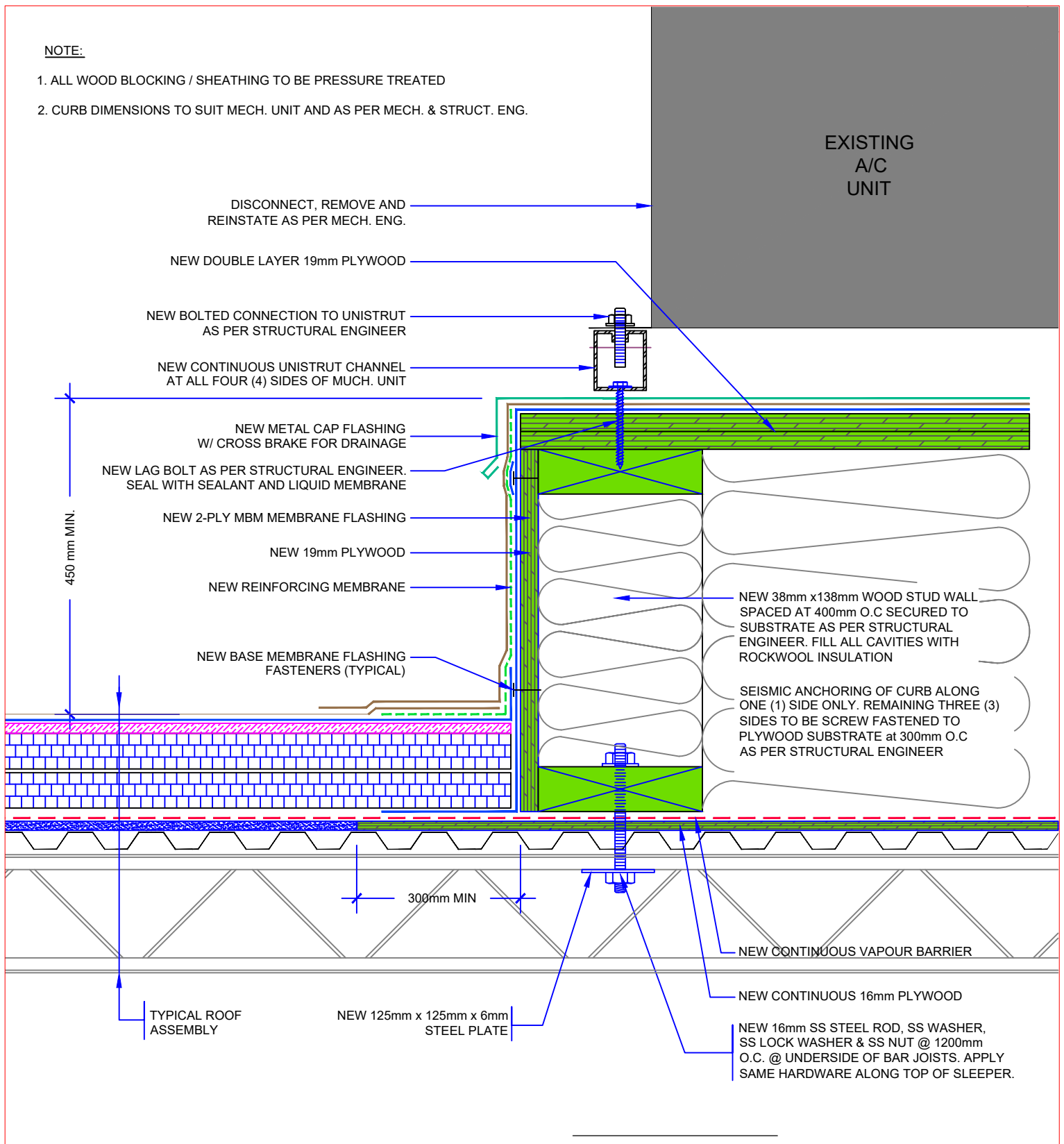
NOTE: USE OR REPRODUCTION OF THIS DRAWINGS IS NOT
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TITLE: OVERFLOW SCUPPER DETAIL			
PROJECT: Pineview PS - RAAC REPLACEMENT & ACCESS UPGRADES			
No.	DATE	JOB #:	SCALE:
		26-002	NTS
			DATE: MAR. 2026
		DESIGN BY: DS	DATE: DATE
		DRN BY: SC	DWG #: A3
		CHK. BY: EB	

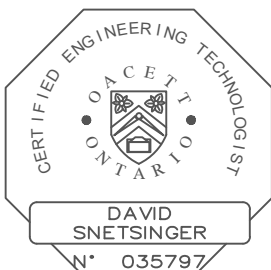


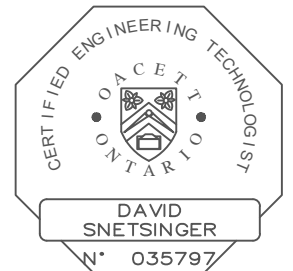
NOTE:

1. ALL WOOD BLOCKING / SHEATHING TO BE PRESSURE TREATED
2. CURB DIMENSIONS TO SUIT MECH. UNIT AND AS PER MECH. & STRUCT. ENG.



	TITLE: SEISMIC CURB DETAIL			
	PROJECT: Pineview PS - RAAC REPLACEMENT & ACCESS UPGRADES			
SNETSINGER CONSULTANTS LTD. ROOFING AND BUILDING SCIENCE SPECIALIST 11312 LAKESHORE DR., IROQUOIS, ONT. K0E 1K0 PHONE: 613 860 1115 FAX: 613 652 2778	No.	DATE	JOB #:	SCALE:
			26-002	NTS
				DATE:
			DESIGN BY:	DATE:
			DS	PLOT:
			DRN BY:	DWG #:
		SC	A4	
		CHK. BY:	EB	
NOTE: USE OR REPRODUCTION OF THIS DRAWINGS IS NOT AUTHORIZED WITHOUT EXPRESSED WRITTEN CONSENT OF SNETSINGER CONSULTANTS LTD.				





NEW
EXHAUST
FAN

NEW EXHAUST FAN AS PER
MECH. ENG.

NEW ADHESIVE FOAM GASKET
EXTEND MBM MEMBRANE
LAYERS UP & OVER CURB

75 mm

NEW METAL FLASHING

NEW 2-PLY MBM
MEMBRANE FLASHING

NEW REINFORCING MEMBRANE

NEW TRAFFIC MEMBRANE
(TORCH APPLIED)

400 mm MIN.

NEW
PRE-INSULATED
METAL CURB AS
PER MECH. ENG.

900 mm

COMPLETE ALL
MECHANICAL
& ELECTRICAL
MODIFICATIONS
AS PER MECH. ENG.

NEW CONTINUOUS
VAPOUR BARRIER

300mm

TYPICAL ROOF
ASSEMBLY

NEW 16mm PLYWOOD

NOTE:

- CURB TO BE INSTALLED IN LEVEL ORIENTATION.
- ALL WOOD BLOCKING / SHEATHING TO BE PRESSURE TREATED.



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11312 LAKESHORE DR., IROQUOIS, ONT. K0E 1K0
PHONE: 613 860 1115 FAX: 613 652 2778

TITLE:

EXHAUST FAN DETAIL

PROJECT:

Pineview PS - RAAC REPLACEMENT & ACCESS UPGRADES

No.

DATE

JOB #:

26-002

SCALE:

NTS

DATE:

MAR. 2026

DESIGN BY: DS

DATE:

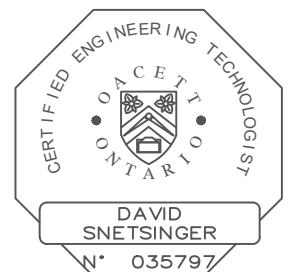
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DRN BY: SC

DWG #:

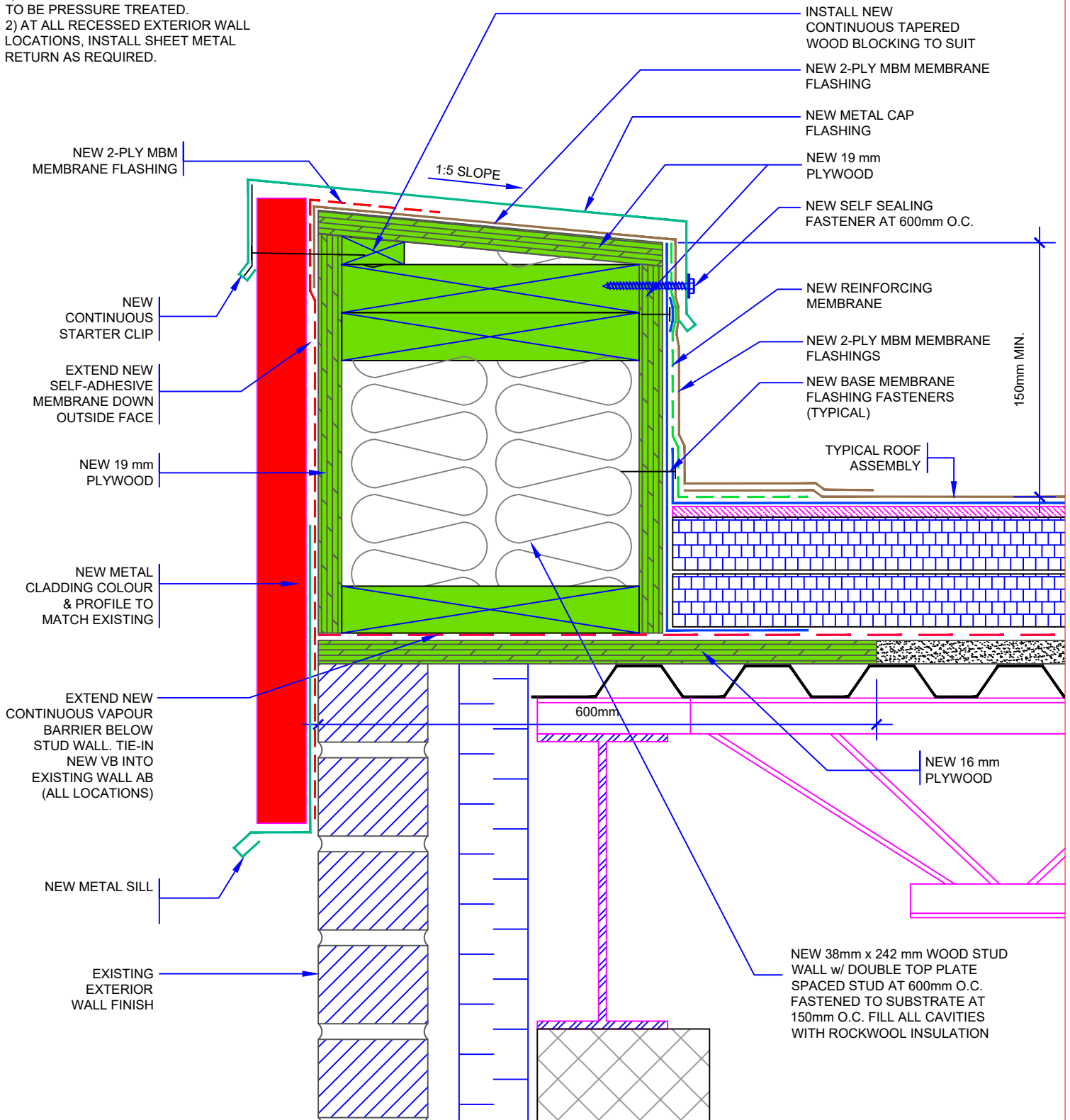
A5

CHK. BY: EB



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SNETSINGER CONSULTANTS LTD.

NOTE:
 1) ALL WOOD BLOCKING / SHEATHING TO BE PRESSURE TREATED.
 2) AT ALL RECESSED EXTERIOR WALL LOCATIONS, INSTALL SHEET METAL RETURN AS REQUIRED.

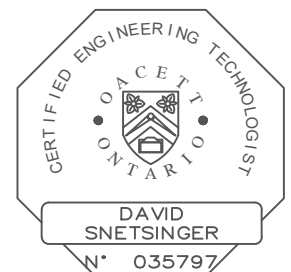


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TITLE: PARAPET DETAIL # 1			
PROJECT: Pineview PS - RAAC REPLACEMENT & ACCESS UPGRADES			
No.	DATE	JOB #:	SCALE:
		26-002	NTS
			DATE: MAR. 2026
		DESIGN BY: DS	DATE: DATE
		DRN BY: SC	DWG #: A6
		CHK. BY: EB	



1) NEW PIPE ENCLOSURE TO MATCH EXISTING OPENINGS / DIMENSIONS & TO BE SIZED APPROPRIATELY FOR ALL MECH. PENETRATIONS, LINES, ETC.

NEW 2-PLY MBM MEMBRANE FLASHING

NEW 19 mm PLYWOOD

SLOPE 1:5

NEW 38 mm x 89 mm WOOD BLOCKING ALL SIDES

SECURE TO CURB ON ALL FOUR SIDES

MODIFY EXISTING SERVICE TO SUIT REVISED ELEVATION

NEW LIQUID MEMBRANE FLASHING AROUND SERVICES

NEW REINFORCING MEMBRANE

NEW 2-PLY MBM MEMBRANE FLASHING

NEW BASE MEMBRANE FLASHING FASTENERS (TYPICAL)

NEW 19 mm PLYWOOD

NEW 2-PLY MBM MEMBRANE SEALS

500mm MIN

100mm

300mm MIN.

300mm

NEW 16 mm PLYWOOD AT STEEL DECK ONLY

SEAL NEW VB TO ALL MECH. / ELEC. LINES, PIPES, CONDUITS ETC.

50 mm

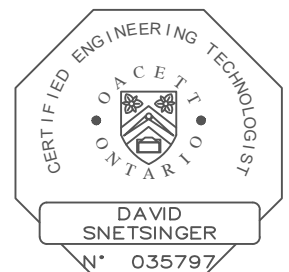
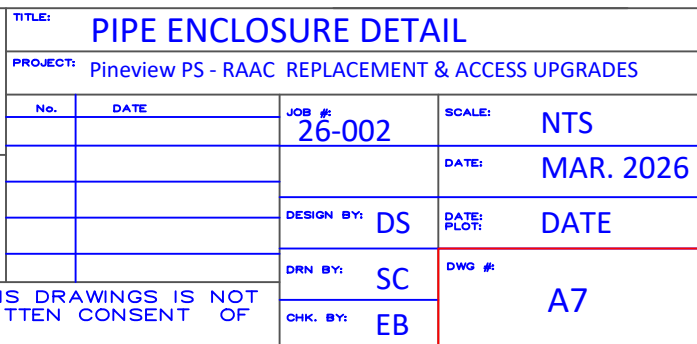
50 mm

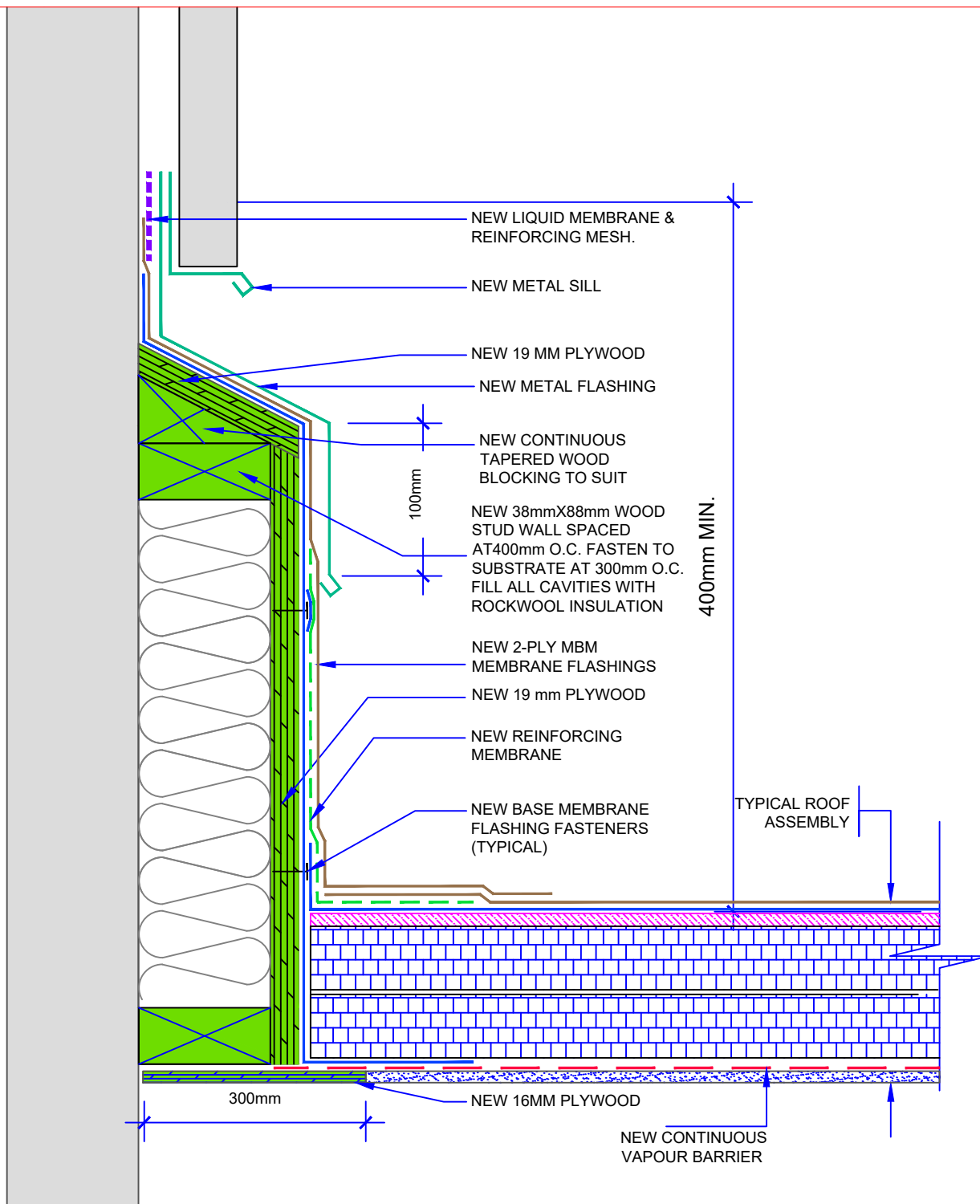
NEW 38 mm x 89 mm WOOD STUD WALL SPACED @ 600 mm O.C. FASTENED TO SUBSTRATE @ 150 mm O.O. FILL ALL CAVITIES WITH ROCKWOOL INSULATION

NEW 16 mm PLYWOOD AT STEEL DECK ONLY

TYPICAL ROOF ASSEMBLY

NOTE: MINIMUM SPACE BETWEEN SERVICES TO BE 50 mm





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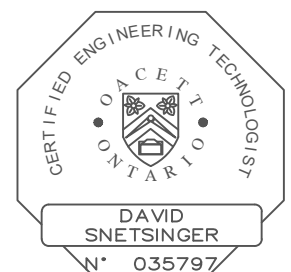
ROOFING AND BUILDING SCIENCE SPECIALIST
11312 LAKESHORE DR., IROQUOIS, ONT. K0E 1K0
PHONE: 613 860 1115 FAX: 613 652 2778

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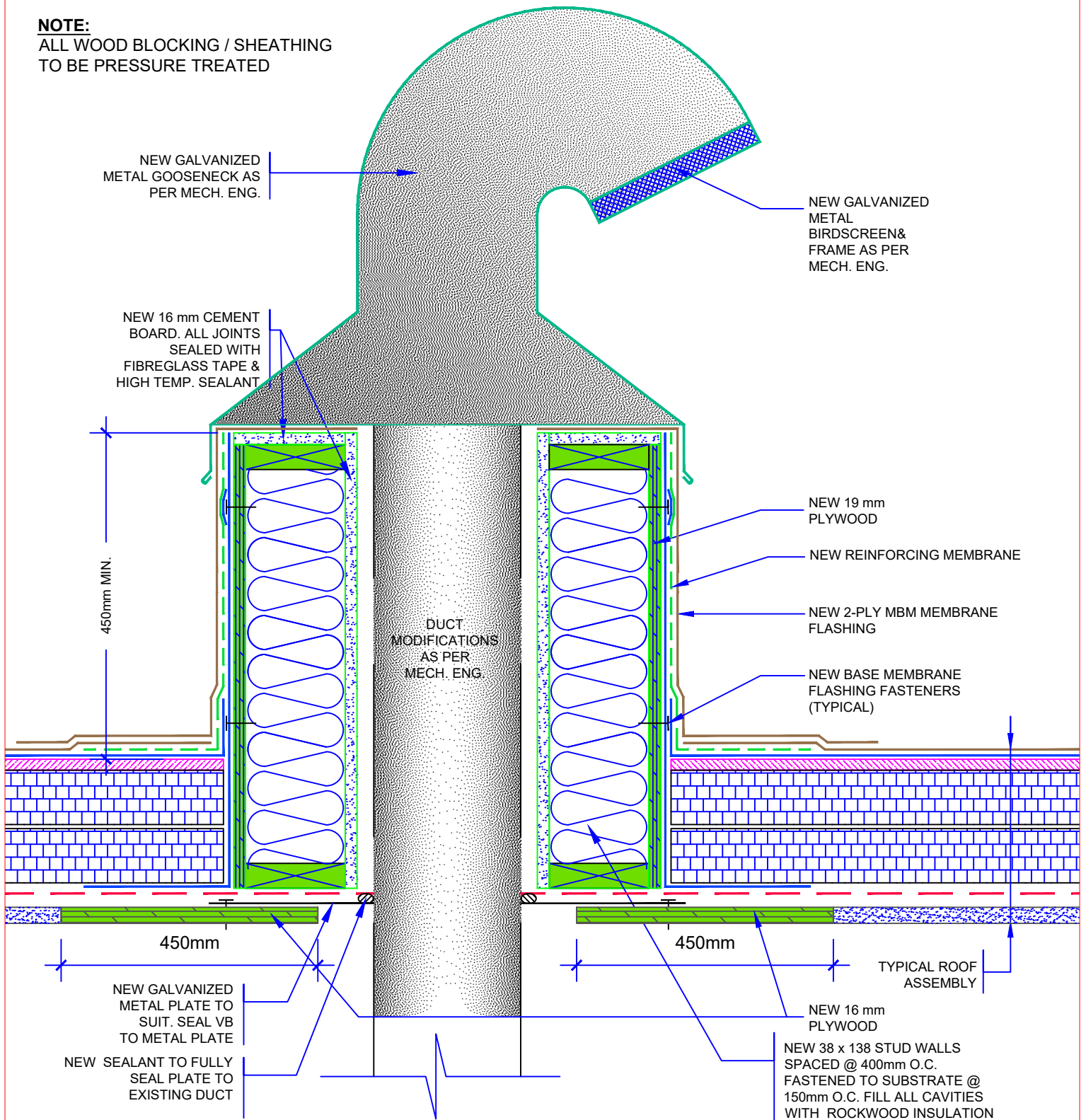
TITLE: **ROOF / WALL INTERSECTION DETAIL**

PROJECT: Pineview PS - RAAC REPLACEMENT & ACCESS UPGRADES

No.	DATE	JOB #:	SCALE:
		26-002	NTS
			DATE: MAR. 2026
		DESIGN BY: DS	DATE: DATE
		DRN BY: SC	DWG #: A8
		CHK. BY: EB	



NOTE:
ALL WOOD BLOCKING / SHEATHING
TO BE PRESSURE TREATED

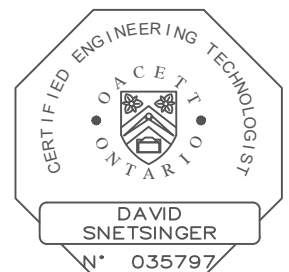


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PHONE: 613 860 1115 FAX: 613 652 2778

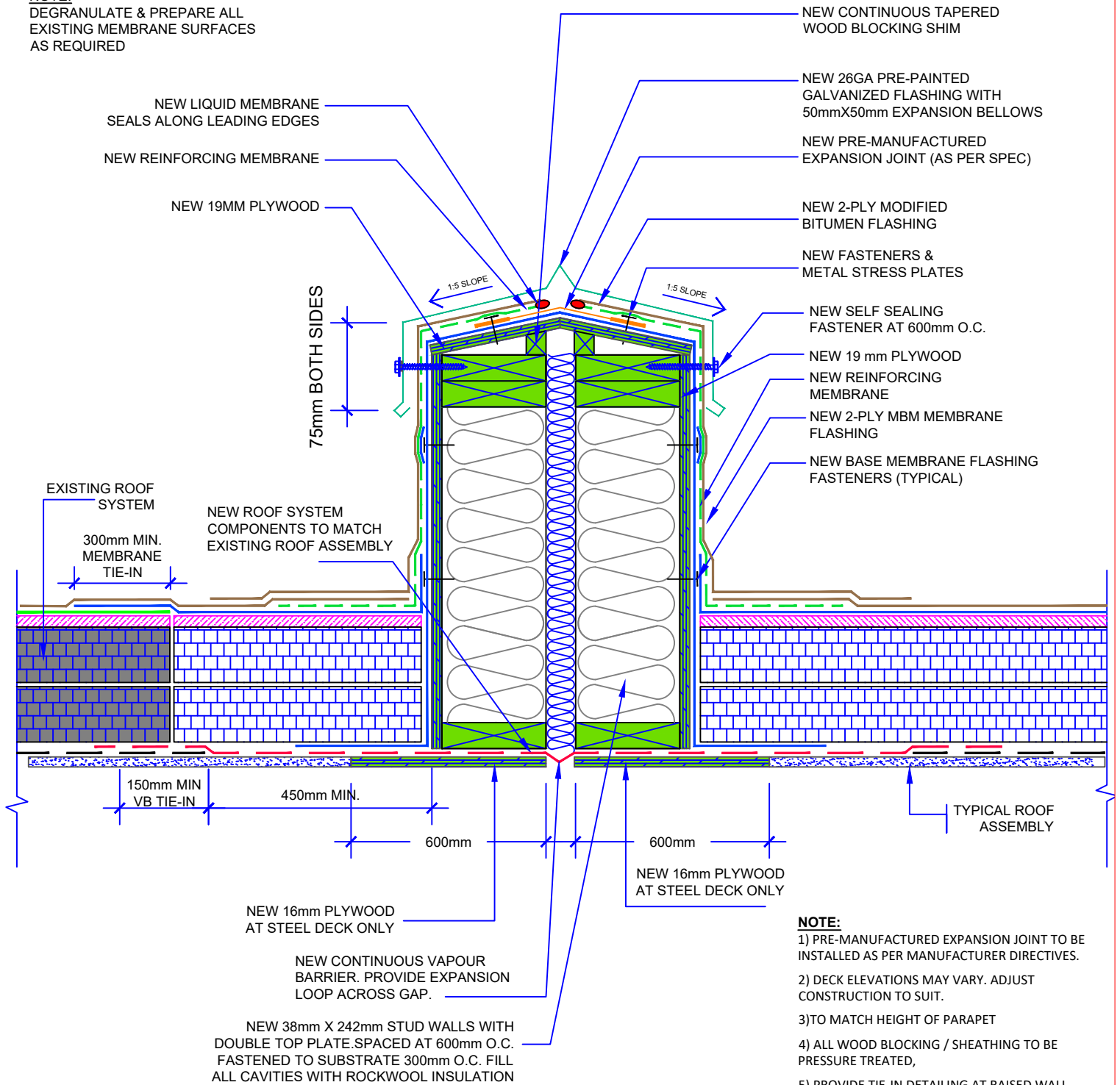
TITLE: **MECH. GOOSENECK VENT DETAIL**
PROJECT: **Pineview PS - RAAC REPLACEMENT & ACCESS UPGRADES**

No.	DATE	JOB #:	SCALE:
		26-002	NTS
			DATE: MAR. 2026
		DESIGN BY: DS	DATE: DATE
		DRN BY: SC	DWG #: A9
		CHK. BY: EB	



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NOTE:
DEGRANULATE & PREPARE ALL
EXISTING MEMBRANE SURFACES
AS REQUIRED



- NOTE:**
- 1) PRE-MANUFACTURED EXPANSION JOINT TO BE INSTALLED AS PER MANUFACTURER DIRECTIVES.
 - 2) DECK ELEVATIONS MAY VARY. ADJUST CONSTRUCTION TO SUIT.
 - 3) TO MATCH HEIGHT OF PARAPET
 - 4) ALL WOOD BLOCKING / SHEATHING TO BE PRESSURE TREATED,
 - 5) PROVIDE TIE-IN DETAILING AT RAISED WALL LOCATION TO MATCH ADJACENT
 - 6) COMPLETE ALL DETAILING AS NOTED THROUGHOUT EXPANSION JOINT

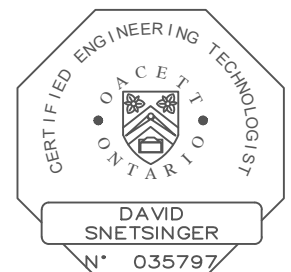


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11312 LAKESHORE DR., IROQUOIS, ONT. K0E 1K0
PHONE: 613 860 1115 FAX: 613 652 2778

TITLE: EXPANSION JOINT DETAIL
PROJECT: Pineview PS - RAAC REPLACEMENT & ACCESS UPGRADES

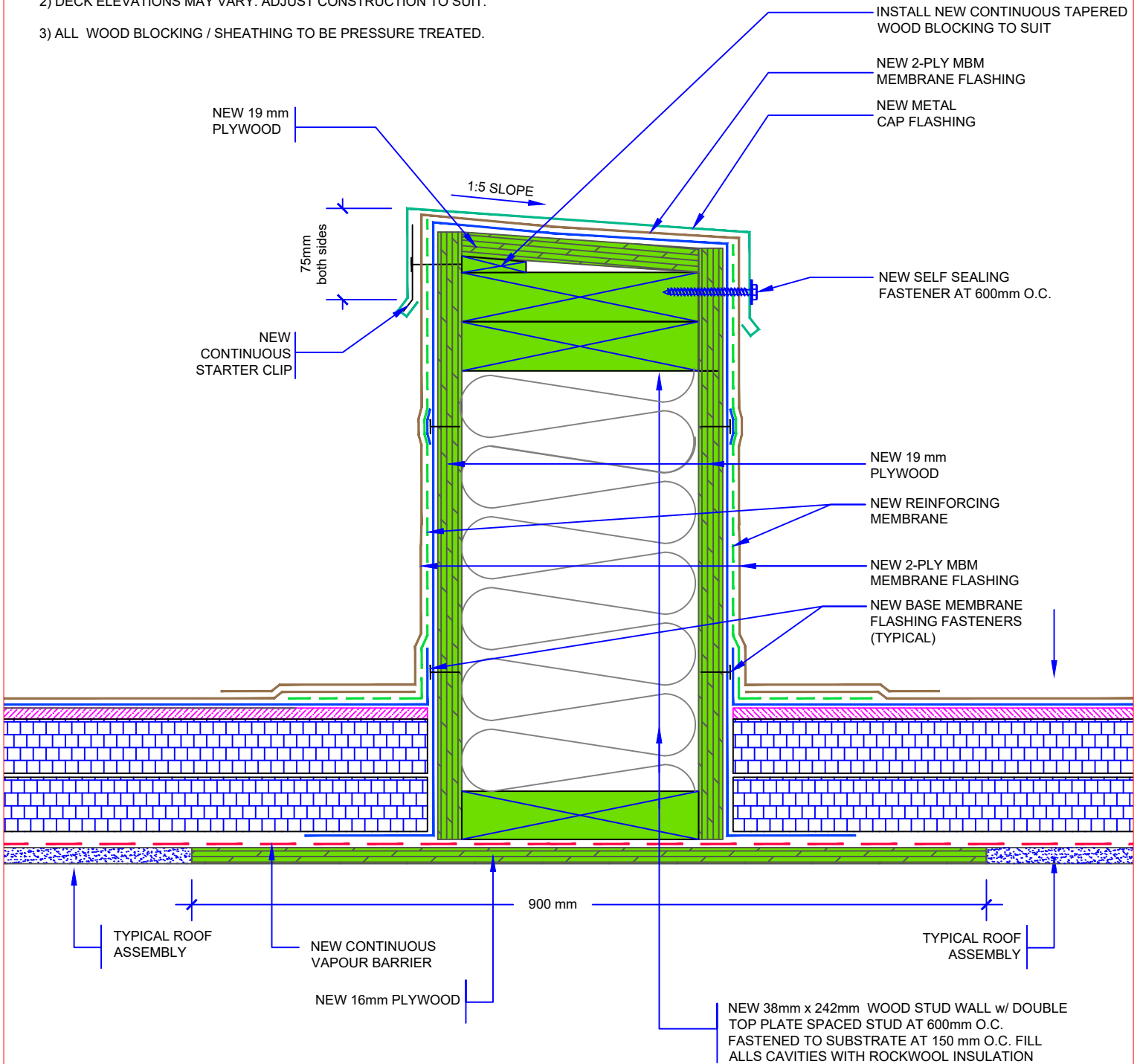
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		26-002	NTS
			DATE: MAR. 2026
		DESIGN BY: DS	DATE: DATE
		DRN BY: SC	DWG #: A10
		CHK. BY: EB	



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NOTE:

- 1) TO MATCH HEIGHT OF NEW PARAPETS
- 2) DECK ELEVATIONS MAY VARY. ADJUST CONSTRUCTION TO SUIT.
- 3) ALL WOOD BLOCKING / SHEATHING TO BE PRESSURE TREATED.



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PHONE: 613 860 1115 FAX: 613 652 2778

TITLE:

CONTROL JOINT DETAIL

PROJECT:

Pineview PS - RAAC REPLACEMENT & ACCESS UPGRADES

No.

DATE

JOB #:

26-002

SCALE:

NTS

DATE:

MAR. 2026

DESIGN BY: DS

DATE:

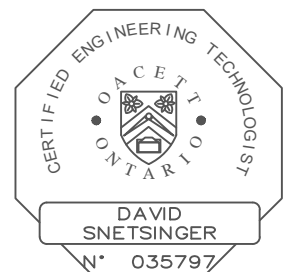
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DWG #:

A11

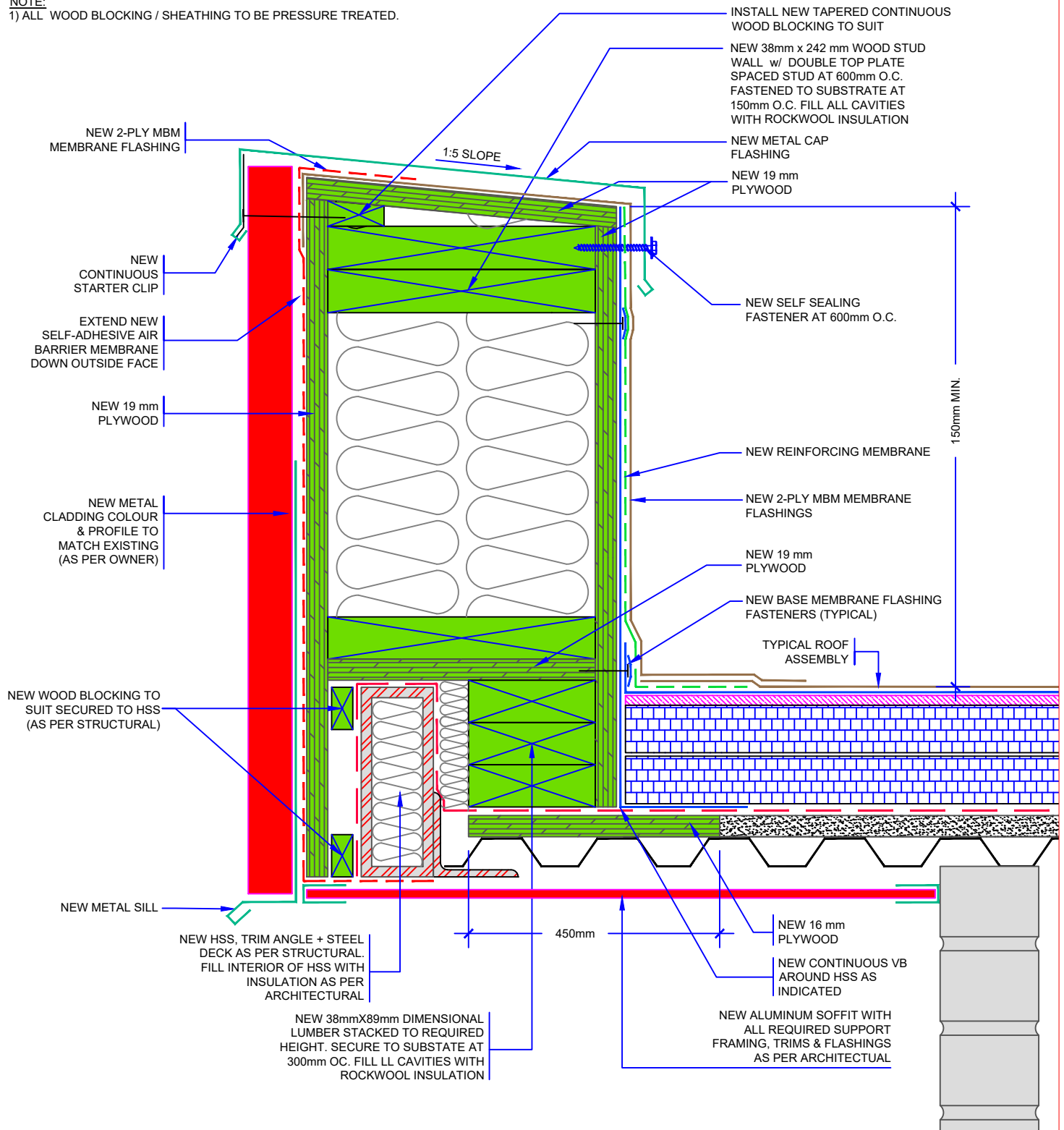
CHK. BY: EB



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NOTE:

1) ALL WOOD BLOCKING / SHEATHING TO BE PRESSURE TREATED.



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TITLE:

PARAPET DETAIL #2

PROJECT:

Pineview PS - RAAC REPLACEMENT & ACCESS UPGRADES

No.

DATE

JOB #:

26-002

SCALE:

NTS

DATE:

MAR. 2026

DESIGN BY: DS

DATE:

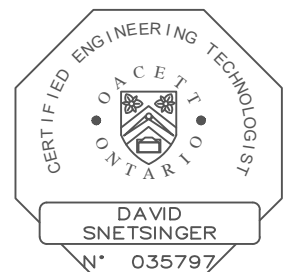
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DRN BY: SC

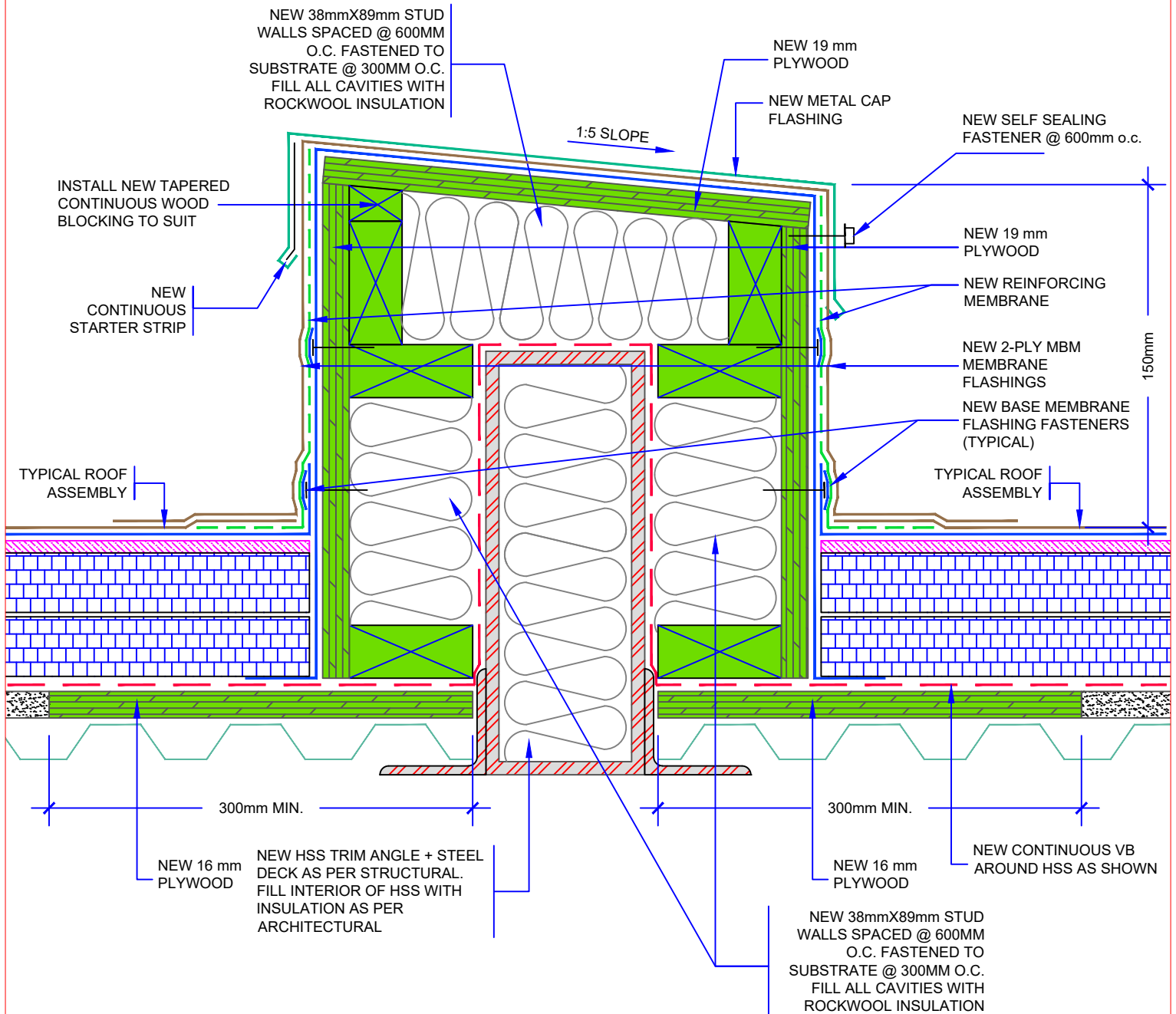
DWG #:

A12

CHK. BY: EB



NOTE:
ALL WOOD BLOCKING / SHEATHING TO
BE PRESSURE TREATED



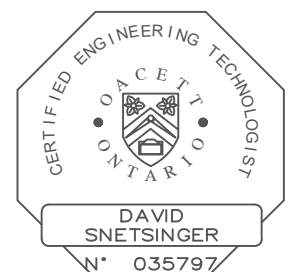
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11312 LAKESHORE DR., IROQUOIS, ONT. K0E 1K0
PHONE: 613 860 1115 FAX: 613 652 2778

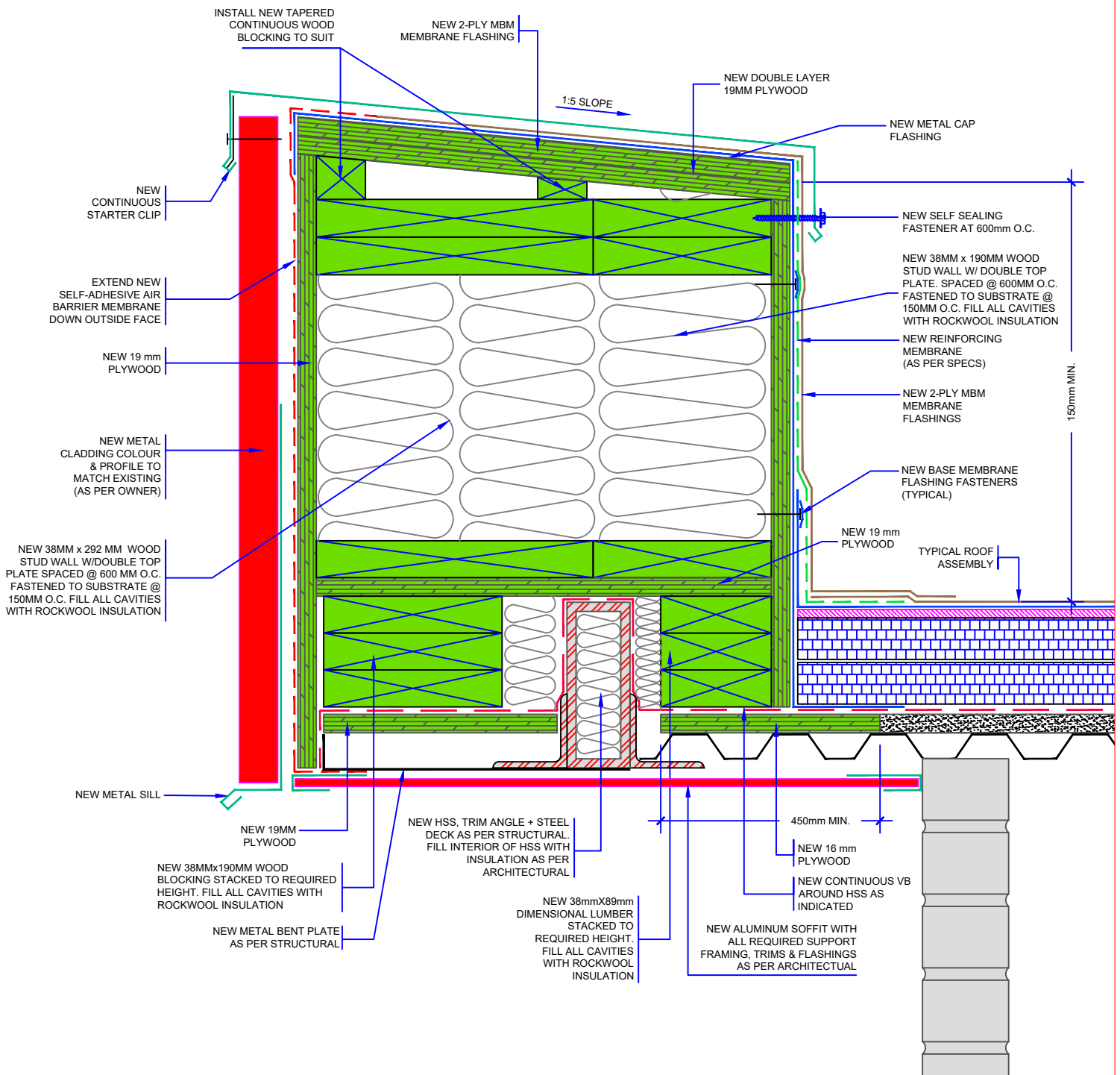
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TITLE: **ENCLOSED BEAM DETAIL**
PROJECT: **Pineview PS - RAAC REPLACEMENT & ACCESS UPGRADES**

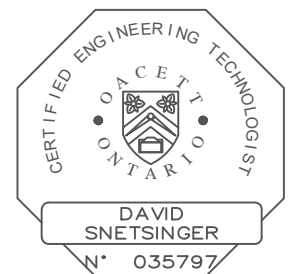
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		26-002	NTS
			DATE: MAR. 2026
		DESIGN BY: DS	DATE: DATE
		DRN BY: SC	DWG #: A13
		CHK. BY: EB	



NOTE:
1) ALL WOOD BLOCKING / SHEATHING TO BE PRESSURE TREATED.



 <p>UPPER CANADA DISTRICT SCHOOL BOARD</p>	TITLE: PARAPET DETAIL #3			
	PROJECT: Pineview PS - RAAC REPLACEMENT & ACCESS UPGRADES			
<p>SNETSINGER CONSULTANTS LTD. ROOFING AND BUILDING SCIENCE SPECIALIST 11312 LAKESHORE DR., IROQUOIS, ONT. K0E 1K0 PHONE: 613 860 1115 FAX: 613 652 2778</p>	No.	DATE	JOB #:	SCALE:
			26-002	NTS
				DATE: MAR. 2026
			DESIGN BY: DS	DATE: DATE
<p>NOTE: USE OR REPRODUCTION OF THIS DRAWINGS IS NOT AUTHORIZED WITHOUT EXPRESSED WRITTEN CONSENT OF SNETSINGER CONSULTANTS LTD.</p>			DRN BY: SC	DWG #: A14
			CHK. BY: EB	



NOTE:

ALL WOOD BLOCKING / SHEATHING TO
BE PRESSURE TREATED

TO BE COMPLETED WITHIN ALL
LOCATIONS AS PER MECH. ENG.

NEW MECH. UNIT AS PER
MECH. ENGINEER

SECURE MOUNTING
BRACKETS TO SLEEPER
AS PER MECH. ENG.

NEW METAL FLASHING

NEW TRAFFIC MEMBRANE.
(TORCH APPLIED)

NEW CONTINUOUS WOOD
BLOCKING SPACER TO LEVEL
SLEEPERS

NEW 19mm PLYWOOD

900mm

NEW
MECH
UNIT

NEW 19mm
PLYWOOD

NEW 190MM X190MM WOOD
BLOCKING TO REQUIRED
HEIGHT

NEW 19mm PLYWOOD

NEW REINFORCING MEMBRANE

NEW 2-PLY MBM MEMBRANE
FLASHING

NEW BASE MEMBRANE FLASHING
FASTENERS (TYPICAL)

600mm

NEW 16mm PLYWOOD

TYPICAL ROOF
ASSEMBLY

NEW 125mm x 125mm x 6mm
STEEL PLATE

NEW 16mm SS STEEL ROD, SS WASHER,
SS LOCK WASHER & SS NUT @ 1200mm
O.C. @ UNDERSIDE OF BAR JOISTS. APPLY
SAME HARDWARE ALONG TOP OF SLEEPER.

NOTE:

- 1) CONTRACTOR TO CONSIDER TWO (2)
NEW SLEEPERS @ EIGHT (8) FEET LONG
(EACH). PER CONDENSING UNIT
- 2) PROVIDE SEISMIC ANCHORING AS PER
SEISMIC ENG.

**SNETSINGER CONSULTANTS LTD.**

ROOFING AND BUILDING SCIENCE SPECIALIST
11312 LAKESHORE DR., IROQUOIS, ONT. K0E 1K0
PHONE: 613 860 1115 FAX: 613 652 2778

TITLE:

SEISMIC SLEEPER DETAIL

PROJECT:

Pineview PS - RAAC REPLACEMENT & ACCESS UPGRADES

No.

DATE

JOB #:

26-002

SCALE:

NTS

DATE:

MAR. 2026

DESIGN BY: DS

DATE:

DATE

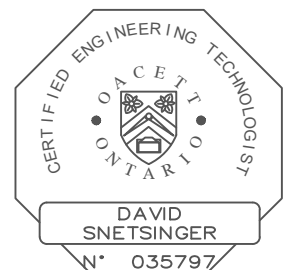
DRN BY: SC

DWG #:

A15

CHK. BY: EB


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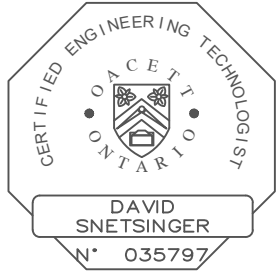


PINEVIEW PUBLIC SCHOOL TYPICAL ROOF ASSEMBLIES:

NEW TYPICAL ROOF ASSEMBLIES FOR ROOF AREAS "A", "B-1" & "B-2":

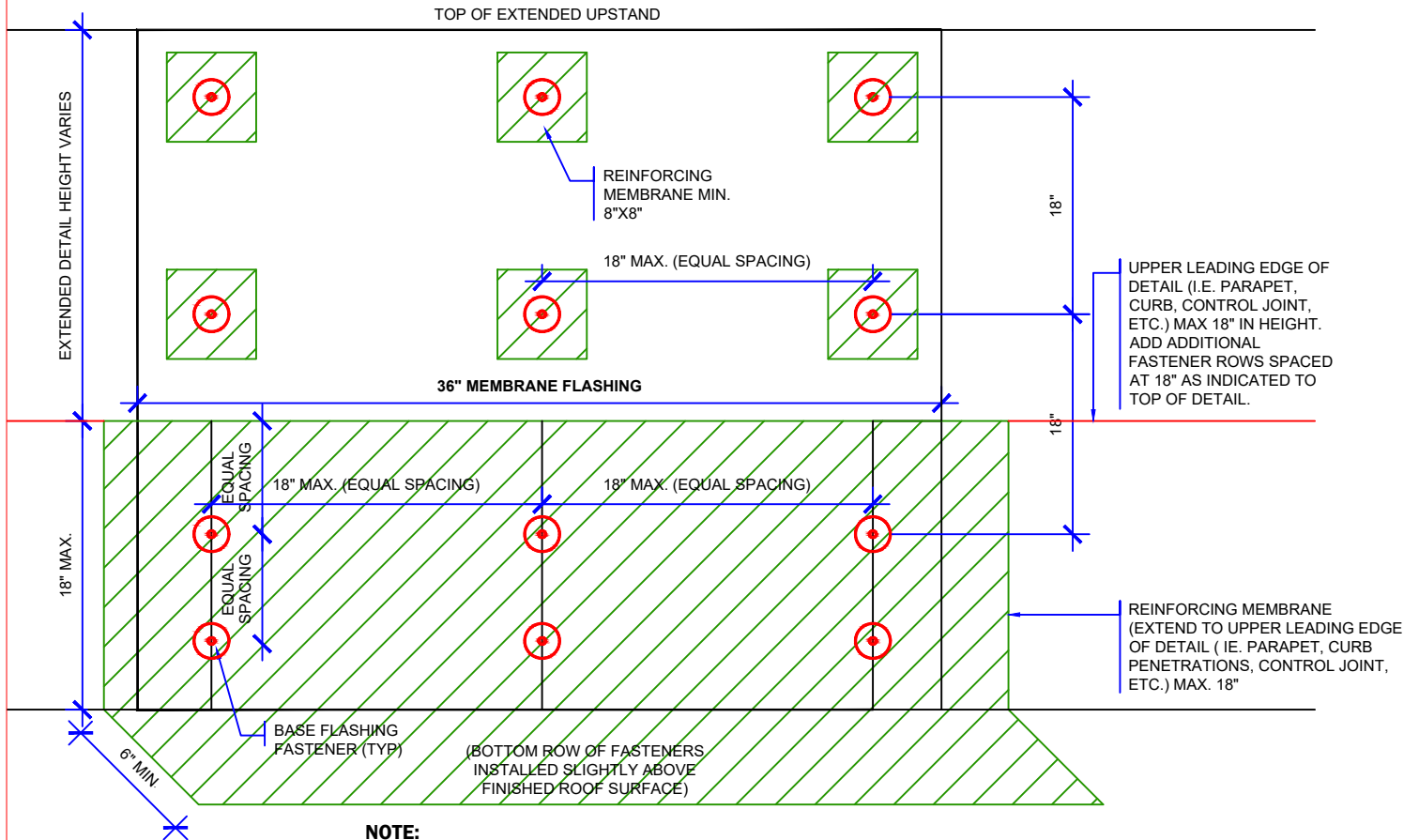
- New 2-Ply Modified Bitumen Membrane Flashings
- New 2-Ply Modified Bitumen Membrane System
- New 6mm Asphaltic Protection Board
- New 2% Tapered Insulation System
- New 50mm (2") Secondary Rigid Thermal Insulation
- New 75mm (3") Base Rigid Thermal Insulation
- New Vapour Barrier
- New 16mm (5/8") Deck Sheathing
- New Steel Deck (as per Structural)

	TITLE: NEW TYPICAL ROOF ASSEMBLY			
	PROJECT: Pineview PS - RAAC REPLACEMENT & ACCESS UPGRADES			
SNETSINGER CONSULTANTS LTD. ROOFING AND BUILDING SCIENCE SPECIALIST 11312 LAKESHORE DR., IROQUOIS, ONT. K0E 1K0 PHONE: 613 860 1115 FAX: 613 652 2778	No.	DATE	JOB #: 26-002	SCALE: NTS
				DATE: MAR. 2026
			DESIGN BY: DS	DATE: DATE
			DRN BY: SC	DWG #: RA-1
			CHK. BY: EB	



CERTIFIED ENGINEERING TECHNOLOGIST
O A C E T O
N T A R I O
DAVID
SNETSINGER
N° 035797

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NOTE:

1. SEE SPECIFICATIONS FOR FURTHER DESCRIPTION & PROCEDURES.
2. SURFACE OF ALL FASTENER LOCATIONS TO BE PREPARED WITH BLACK BITUMINOUS PRIMER.



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ROOFING AND BUILDING SCIENCE SPECIALIST
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TITLE: **BASE FLASHING FASTENERS & REINFORCING MEMBRANE DETAIL**

PROJECT: **Pineview PS - RAAC REPLACEMENT & ACCESS UPGRADES**

No.	DATE	JOB #:	SCALE:
		26-002	NTS
			DATE: MAR. 2026
		DESIGN BY: DS	DATE: DATE
		DRN BY: SC	DWG #: SK-1
		CHK. BY: EB	

