



SITE NOTES

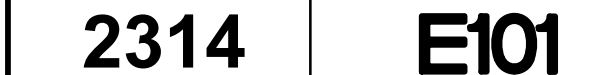
AREA OF WORK. REFER DRAWING A/E201, B/E201, C/E201 AND D/E201 FOR LAYOUT.

AREA OF WORK. REFER DRAWING E202 FOR LAYOUT.

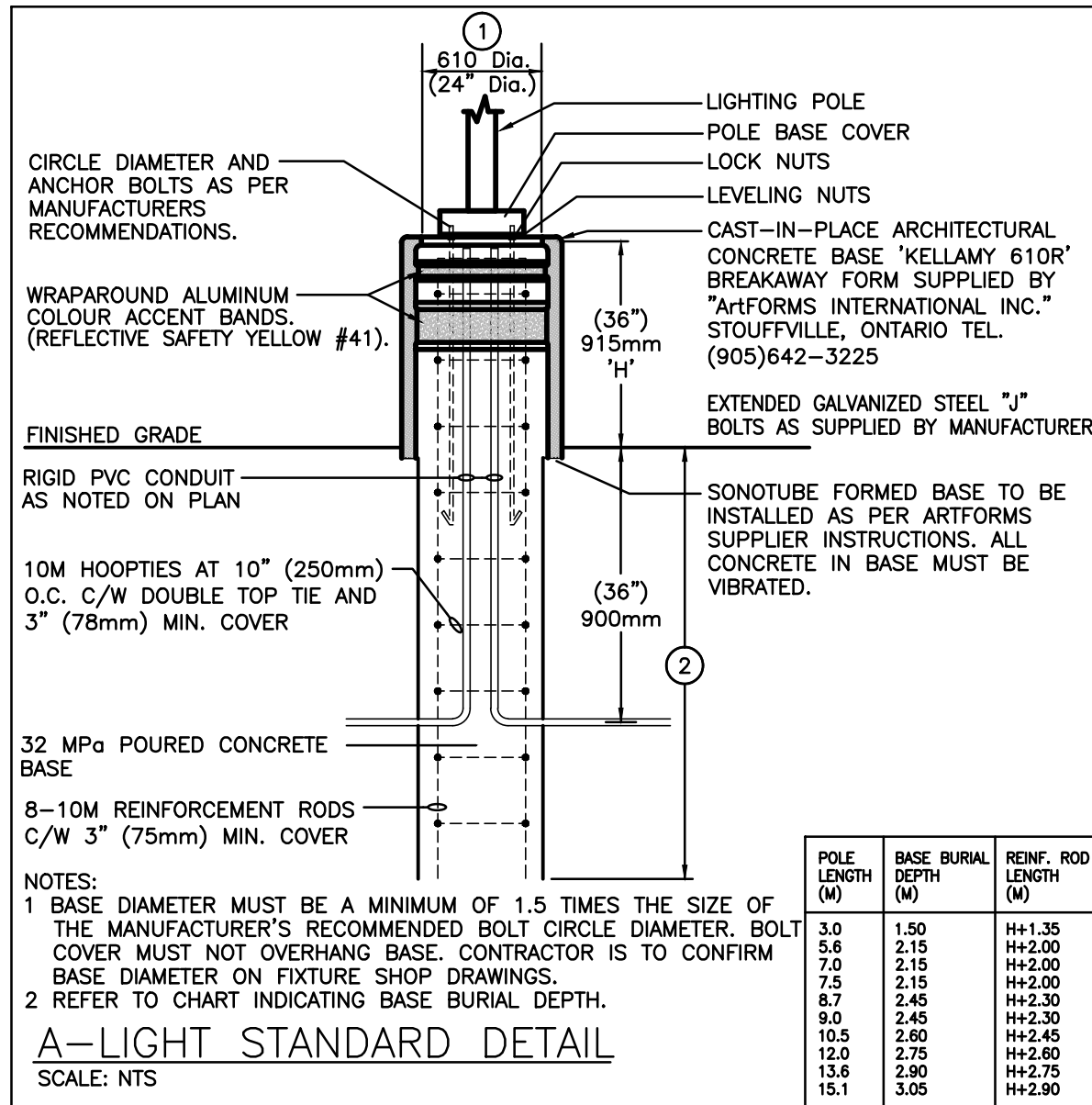
GROUND FLOOR

KEY PLAN
SCALE 1:500

KEY PLAN
SCALE: 1:500



--





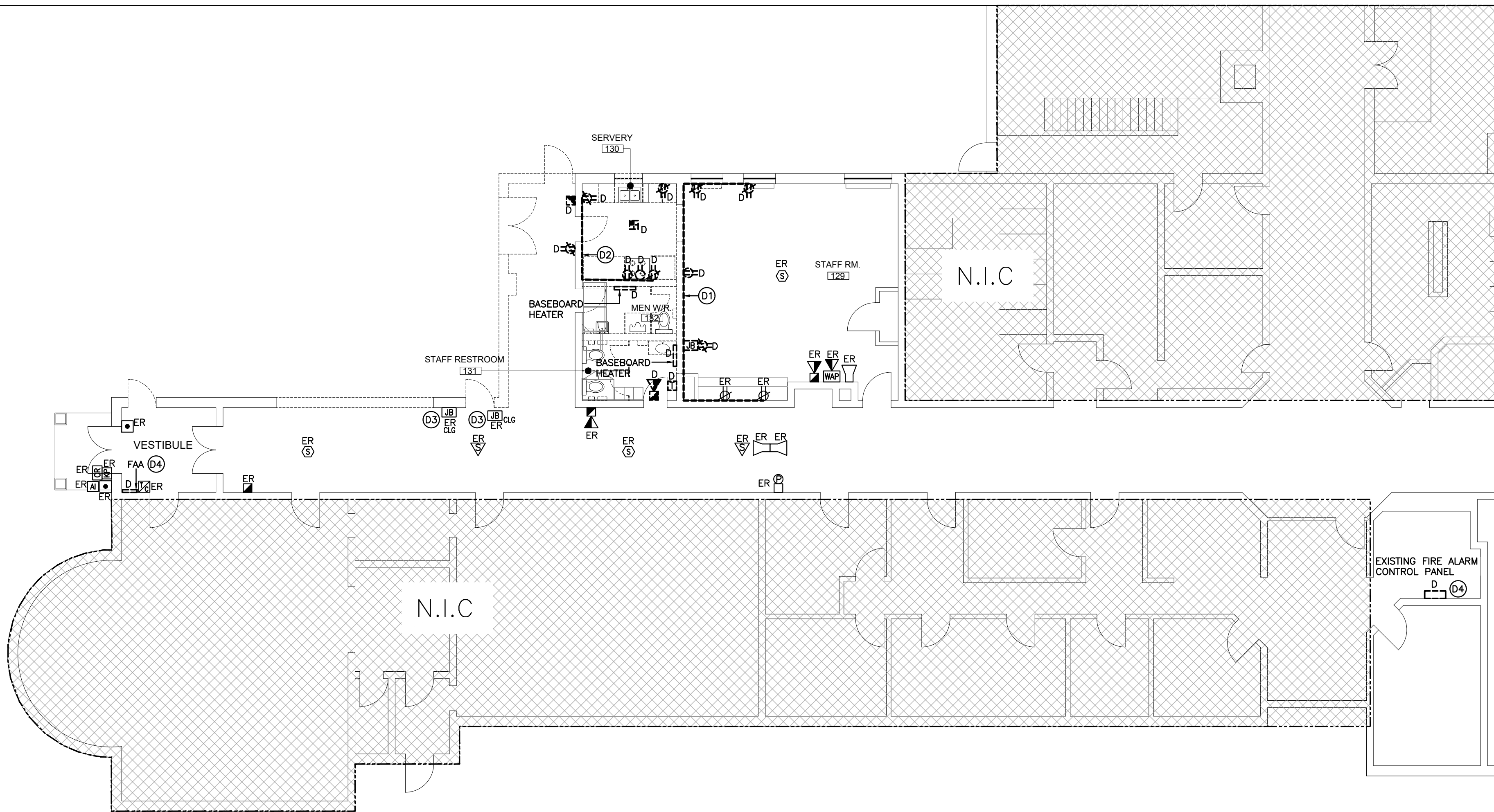
- EX' DENOTES EXISTING ITEM TO REMAIN.
- EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
- 'I' INDICATES EXISTING ITEM TO BE RELOCATED. REFER TO RENOVATION DRAWINGS AND RELOCATE DEVICE AND WIRING TO SUIT. UNLESS OTHERWISE NOTED.
- 'D' INDICATES EXISTING ITEM TO BE DELETED. UNLESS OTHERWISE NOTED DISCONNECT AND REMOVE NOTED DEVICE AND WIRING BACK TO SOURCE.
- ALL LIGHTING FIXTURES BEING RELOCATED SHALL BE CLEANED AND CHECKED PRIOR TO BEING REINSTALLED.
- ALL DEVICES SHOWN ARE NEW UNLESS OTHERWISE NOTED.
- EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS OTHERWISE NOTED.
- MAINTAIN SERVICE TO ALL EXISTING DEVICES TO REMAIN.
- REVISE PANEL DIRECTORIES TO SUIT CHANGES (TYPED).

- 1 INDICATED POWER PACK INSTALLED WITHIN ACCESSIBLE CEILING SPACE FOR CONTROL OF NOTED MOTION SENSOR(S).
- 2 INDICATED CONNECT FIXTURES IN THIS ROOM TO EXISTING LOCAL LIGHTING CIRCUIT AND EXISTING CONTROL AS NOTED.
- 3 INDICATED FIXTURES IN THIS ROOM ARE TO BE FASTENED TO UNISTRUT CHANNELS SPANNING ACROSS THE TOP OF THE BOTTOM CHORD OF JOISTS. COORDINATE LOCATION WITH MECHANICAL EQUIPMENT.
- 4 INDICATED WIRE NEW CANOPY POT LIGHT TO EXISTING LIGHTING CIRCUIT, CONTROL, VIA EXISTING CONTROL.
- 5 THIS CONTRACTOR IS RESPONSIBLE TO REMOVE AND RE-INSTALL CEILING TILE TO SUIT REQUIRED INSTALLATION, ANY DAMAGED OR FINGERPRINTED TILE MUST BE REPLACED.

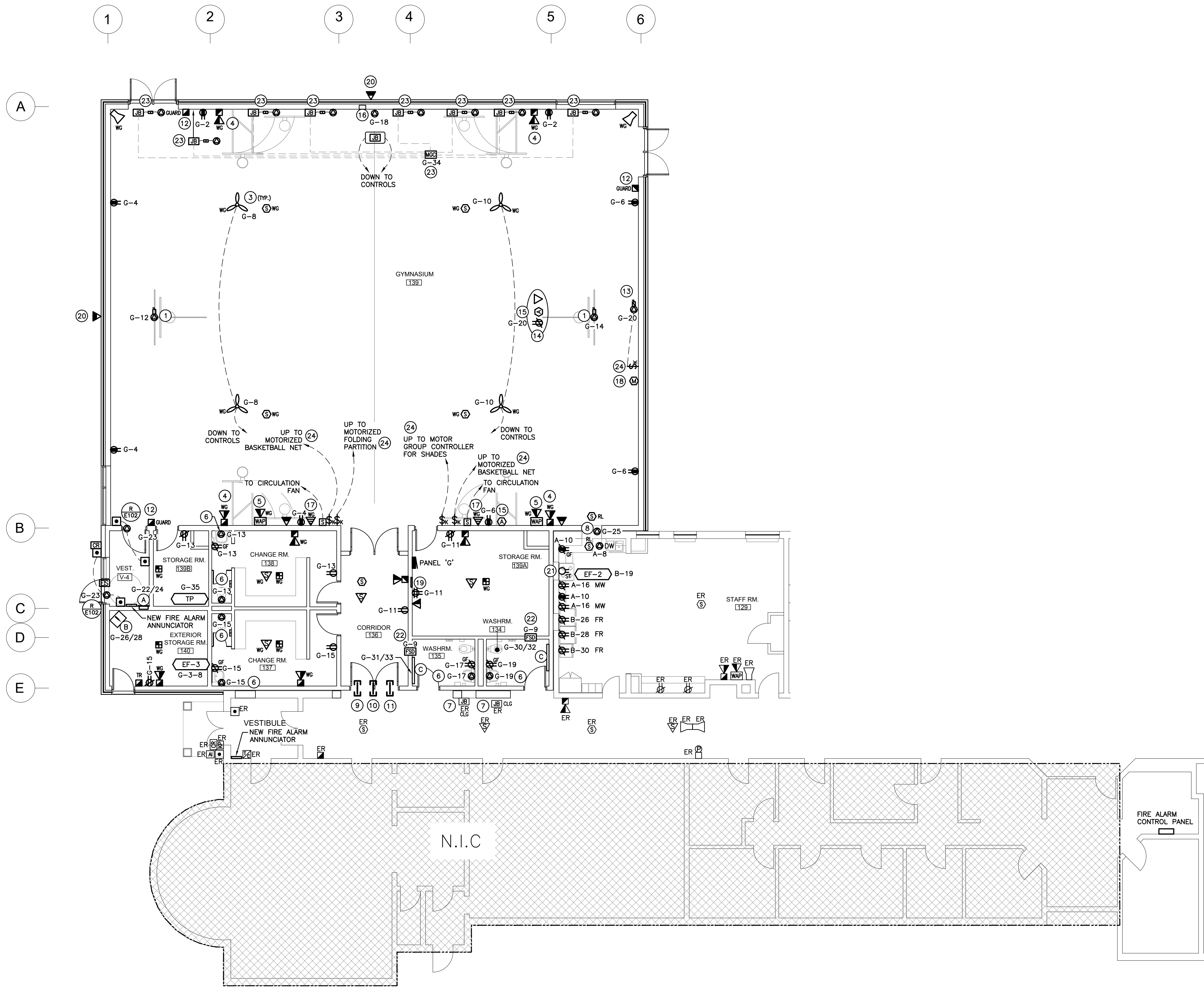
The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work. The drawings show general arrangement of services. Follow as closely as actual building conditions will permit. Obtain approval for relocation of service from Consultant before commencement of the work. The drawings do not indicate all offsets fitting, and accessories which may be required. Provide the same to meet the required conditions. Drawings and specifications, etc., prepared and issued by the consultant are the property of the consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant. Do not scale this drawing.

© 2024 DEI Consulting Engineers Inc.





PARTIAL FLOOR POWER & SYSTEM DEMOLITION PLAN
SCALE: 1:100



PARTIAL FLOOR RENOVATION POWER & SYSTEM PLAN
SCALE: 1:100

GENERAL NOTES

- 'ER' DENOTES EXISTING ITEM TO REMAIN.
- EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
- 'R' INDICATES EXISTING ITEM TO BE RELOCATED. REFER TO RENOVATION DRAWINGS AND RELOCATE DEVICE AND WIRING TO SUIT. UNLESS OTHERWISE NOTED.
- 'D' INDICATES EXISTING ITEM TO BE DELETED. UNLESS OTHERWISE NOTED DISCONNECT AND REMOVE NOTED DEVICE AND WIRING BACK TO SOURCE.
- ALL LIGHTING FIXTURES BEING RELOCATED SHALL BE CLEANED AND CHECKED PRIOR TO BEING REINSTALLED.
- ALL DEVICES SHOWN ARE NEW UNLESS OTHERWISE NOTED.
- EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS OTHERWISE NOTED.
- MAINTAIN SERVICE TO ALL EXISTING DEVICES TO REMAIN.
- REVISE PANEL DIRECTORIES TO SUIT CHANGES (TYPED).

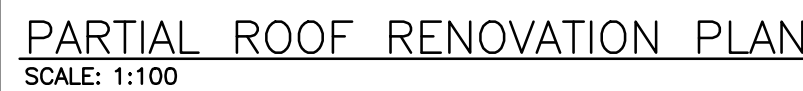
SPECIFIC DEMOLITION NOTES

- D1 INDICATED EXISTING SURFACE MOUNTED CONDUIT, JUNCTION BOX AND RECEPTACLES TO BE DELETED. EXISTING WIRING TO BE CUT BACK AND MAKE SAFE FOR NEW DEVICES.
- D2 INDICATED EXISTING SURFACE MOUNTED CONDUIT AND RECEPTACLES TO BE DELETED. RECEPTACLES ARE FED FROM BASEMENT ELECTRICAL ROOM AREA. EXISTING WIRING TO BE CUT AND MAKE SAFE FOR NEW DEVICES.
- D3 INDICATED JUNCTION BOXES LOCATED IN CEILING SPACE TO REMAIN. JUNCTION BOXES WERE FEEDING EXISTING GYM PANEL AND MUA-3.
- D4 INDICATES EXISTING FIRE ALARM CONTROL PANEL WIRING SERIES 200 CONVENTIONAL SYSTEM WITH 2 SPARE ZONES TO BE REPLACED WITH NEW. EXISTING FIRE ALARM ANNUNCIATOR IS LOCATED IN THE GYM PARKING LOT VESTIBULE. EXISTING FIRE RESET KEYPAD IS LOCATED IN THE CUSTODIAN'S OFFICE. FIRE ALARM ANNUNCIATOR AND FIRE RESET KEYPAD IS TO BE REMOVED COMPLETE.

SPECIFIC RENOVATION NOTES

- 1 INDICATED DIRECT CONNECTION FOR MOTORIZED BASKETBALL NET. PROVIDE 20A-120V DEDICATED CIRCUIT. THIS CONTRACTOR IS TO PROVIDE SINGLE GANG BOX ROUGH-IN WITH 12/3 AWG CU, IN 3/4" TO BASKETBALL NET MOTOR. KEY SWITCH OPERATOR AT 1200mm A.F.F. COORDINATE WITH BASKETBALL NET SUPPLIER AND REFER TO SHOP DRAWINGS FOR ANY ADDITIONAL REQUIREMENTS.
- 2 INDICATED CONNECTION FOR NEW MOTORIZED CENTRE DIVIDER CURTAIN. CONFIRM EXACT REQUIREMENTS AND CO-ORDINATE WORK WITH CURTAIN INSTALLER. THIS CONTRACTOR TO PROVIDE A 4X4 JUNCTION BOX AND 1/2" TO DEEP SINGLE GANG BOX (KEYSWITCH BY OTHERS). 3 POSITION MOMENTARY KEYSWITCH BY OTHERS. WIRING BY THIS CONTRACTOR. DEDICATED 20A-120V CIRCUIT REQUIRED.
- 3 INDICATED GYM DESTRATIFICATION FAN TO BE STEM MOUNTED WITH BOTTOM OF FAN LEVEL WITH LIGHTING. WIRE FAN TO SPEED CONTROLLER AS INDICATED.
- 4 INDICATED DEVICE IS TO BE C/W A 60 CANDELA STROBE.
- 5 PROVIDE A WALL FLUSH MOUNTED OCTAGON BOX WITH 19mm CONDUIT TO CORRIDOR CEILING SPACE FOR DATA WIRING OF WIRELESS ACCESS POINT (AP).
- 6 INDICATED CONNECTION FOR AUTOMATIC PLUMBING FIXTURE. PROVIDE WIRING FOR CENTRALLY MOUNTED JUNCTION BOX LOCATED WITHIN CEILING SPACE TO FEED SENSOR. COORDINATE EXACT REQUIREMENTS WITH OTHER TRADES PRIOR TO ROUGH-IN.
- 7 INDICATES EXTEND FEED TO NEW PANEL 'G' FED FROM EXISTING PANEL 'DIP-X'. EXISTING WIRING FEEDING EXISTING MUA-1 WILL REMAIN AND EXISTING BREAKER WILL NEED TO REMAIN LOCKED-OFF. REFER TO DETAIL H/E102.
- 8 PROVIDE 120V POWER AND FIRE ALARM CONNECTIONS TO FIRE SHUTTER. PROVIDE WIRING FROM 24V MOTOR LINE TO SMOKE DETECTOR BUILT-IN RELAY.
- 9 PROVIDE 1.5" SLEEVE THRU THE FIREWALL FOR PA AND SECURITY WIRING. REFER TO DETAIL H/E102.
- 10 PROVIDE 1.5" SLEEVE THRU THE FIREWALL FOR VOICE/DATA WIRING. REFER TO DETAIL H/E102.
- 11 PROVIDE 1.5" SLEEVE THRU THE FIREWALL FOR FIRE ALARM WIRING. REFER TO DETAIL H/E102.
- 12 MOUNT INDICATED DEVICE(S) IN BLOCK RECESS. REFER TO DETAIL M/E101.
- 13 INDICATES CONNECTION FOR MOTORIZED PROJECTION SCREEN. THIS CONTRACTOR TO WIRE TO EQUIPMENT MOTOR FROM THE REMOTE LINE VOLTAGE CONTROL SWITCH LOCATED AS SHOWN. COORDINATE MOTOR PLACEMENT ON SITE WITH SUPPLIER. ALL COMPONENTS INCLUDING REMOTE LINE VOLTAGE SWITCH AND COVER PLATE TO BE PROVIDED BY EQUIPMENT SUPPLIER.
- 14 INDICATES APPROXIMATE LOCATION OF CEILING MOUNTED OUTLETS FOR GYM PROJECTOR (DUPLEX RECEPTACLE, SINGLE DATA AND HDMI AUXILIARY). DATA DROP CONDUIT TO BE TERMINATED.
- 15 INDICATES HDMI AUXILIARY CEILING AND WALL OUTLETS FOR CEILING PROJECTOR C/W "RAPID RUN" WIRING HARNESS SOLUTION CONTAINING HDMI RUNNER CABLES, FLYING LEADS (CONNECTIONS AND WALL PLATES AT EACH OUTLET LOCATION). PROVIDE 27mmHC BETWEEN WALL AND CEILING OUTLET LOCATIONS.
- 16 INDICATES COORDINATE WITH SCOREBOARD SUPPLIER ON EXACT LOCATION OF SCOREBOARD. THIS CONTRACTOR TO PROVIDE 20A-1P HARD WIRED CONNECTION FOR SCOREBOARD AND (2) DOUBLE-GANG BOX WITH 1" BETWEEN SCOREBOARD AND ROUGH-IN AT RECEPTACLE HEIGHT FOR SCOREBOARD CONTROLS. COORDINATE EXACT REQUIREMENTS WITH SCOREBOARD SUPPLIER.
- 17 INDICATES WALL MOUNTED SOUND SYSTEM SPEAKER ROUGH-IN. PROVIDE SINGLE GANG BOX WITH 3/4" TO STORAGE ROOM 139A. TERMINATE IN A 200mmX200mm FLUSH MOUNTED JUNCTION BOX.
- 18 INDICATES WALL MOUNTED MICROPHONE OUTLET ROUGH-IN. PROVIDE SINGLE GANG BOX WITH 3/4" TO STORAGE ROOM 139. TERMINATE IN A 200mmX200mm FLUSH MOUNTED JUNCTION BOX.
- 19 INDICATES GYM SOUND SYSTEM PATCH PANEL INSTALLED AS 200mmX200mm FLUSH MOUNTED JUNCTION BOX C/W COVER PLATE AND KNOCKOUTS TO SUIT SPEAKERS, MICROPHONE AND ANTENNA PORTS. COORDINATE WITH PUBLIC ADDRESS SUB CONTRACTOR.
- 20 MOUNT INDICATED DEVICE AT HEIGHT AS PER ARCHITECTURAL DRAWINGS.
- 21 INDICATES REWORK EXISTING STOVE WIRING FOR NEW STOVE LOCATION.
- 22 PROVIDE FIRE ALARM CONNECTION TO SMOKE DAMPER INTEGRAL DUCT DETECTOR. PROVIDE DUAL INPUT MONITOR/CONTROLLER MODULE AND DUAL VOLTAGE RELAY. FROM ONE SET OF CONTACTS MONITOR INTERNAL DUCT DETECTOR ALARM SIGNAL. ALARM SIGNAL SHALL BE PROGRAMMED AS AN ALARM ZONE. FROM ONE SET OF CONTACTS MONITOR DUAL VOLTAGE RELAY FOR AC POWER LOSS. AC POWER LOSS IS TO BE MONITORED AS A TROUBLE SIGNAL.
- 23 INDICATES MOTORIZED WINDOWS SHADES. PROVIDE CONNECTION TO MOTOR GROUP CONTROLLER. COORDINATE EXACT LOCATION WITH SHADE SUPPLIER ON SITE. REFER TO DETAIL S/E102.
- 24 PROVIDE LAMACOD LABEL INDICATING WHAT THE KEY SWITCH IS INTENDED TO CONTROL.

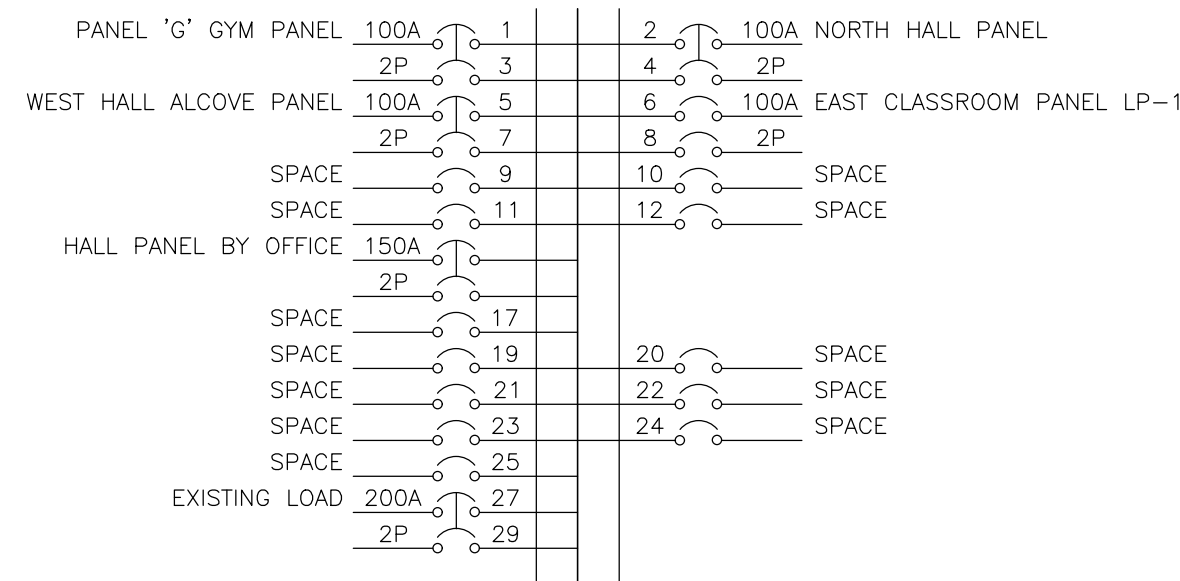
No.	Revisions	Date
4	ISSUED FOR TENDER	2024.04.30
3	ISSUED FOR PERMIT	2024.04.19
2	ISSUED FOR SPA SUBMISSION	2024.02.27
1	ISSUED FOR SPA REVIEW SET	2024.02.06
No.	Revision	Date



2314	E203
------	------

EXISTING PANEL 'DP-X'

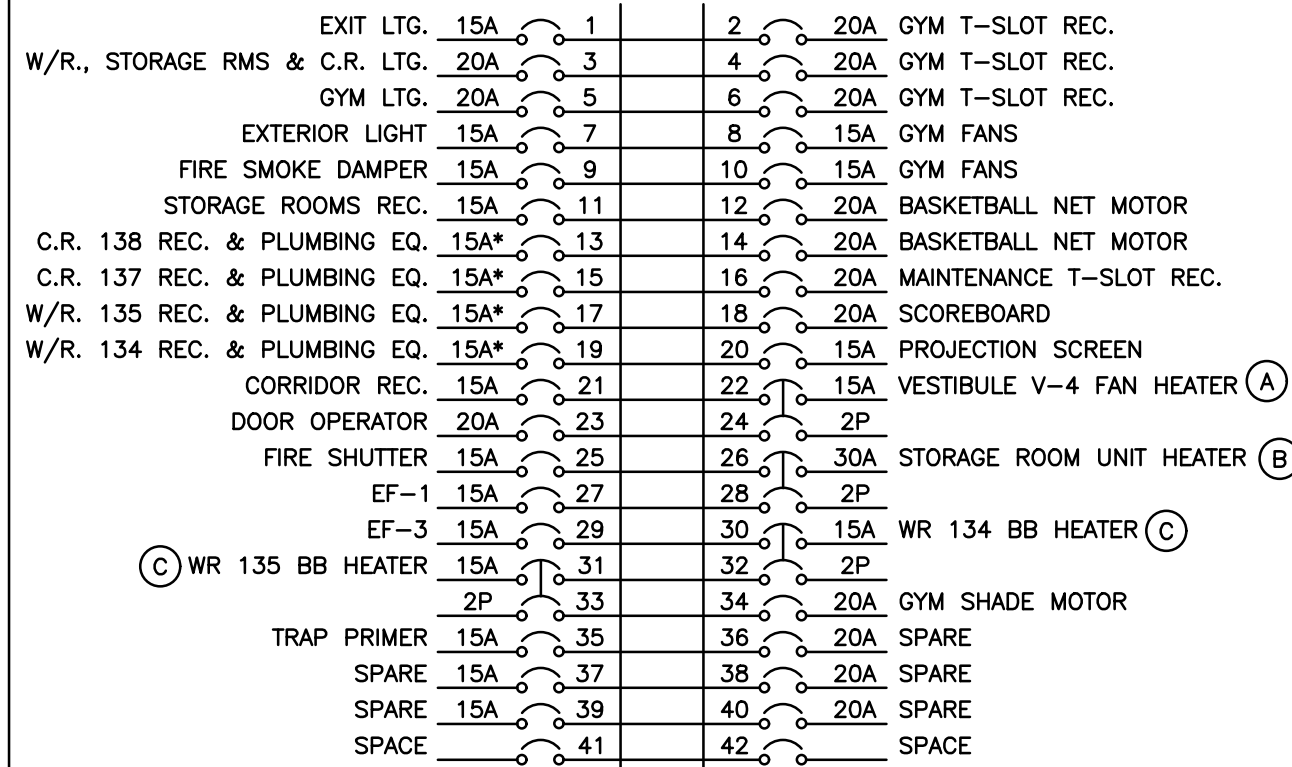
VOLTAGE: 120/208 VOLTS
PHASE: 3P, 4W
MAINS: 200A
NEUTRAL BUS: FULL
MOUNTING: SURFACE
NOTES: POW-R-LINE 3A



NOTES: EXISTING BREAKER TO REMAIN.

PANEL 'G'

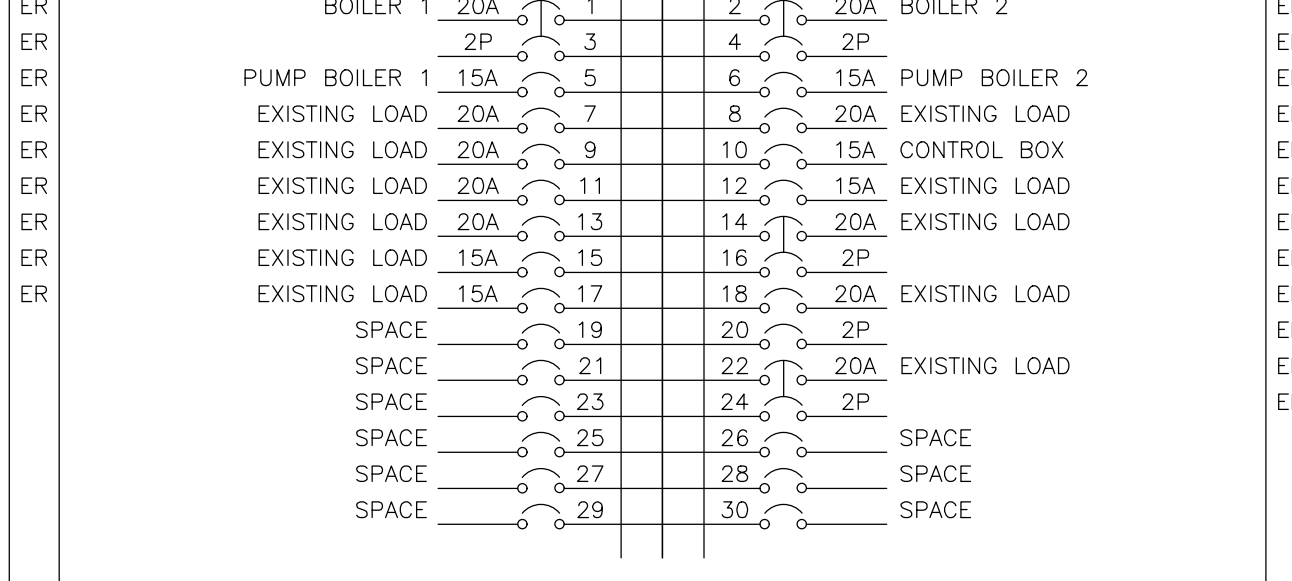
VOLTAGE: 120/208 VOLTS
PHASE: 3P, 4W
MAINS: 100A
NEUTRAL BUS: FULL
MOUNTING: SURFACE
NOTES: SQUARE D



NOTE: THE INDICATED PANEL ASSEMBLY MUST HAVE AN INTERRUPTING CAPACITY OF 10000 A. PROVIDE BY EITHER FULLY RATED BREAKERS OR INTEGRATED EQUIPMENT RATING WITH THE UPSTREAM BREAKER.

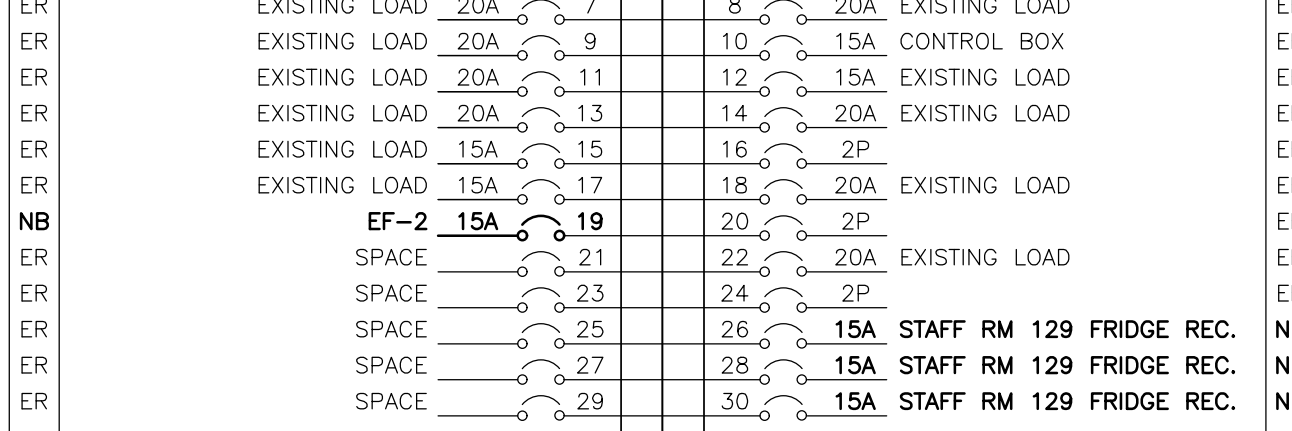
EXISTING PANEL 'LP-B' SCHEDULE

VOLTAGE: 120/208 VOLTS
PHASE: 3P, 4W
MAINS: 200A
NEUTRAL BUS: FULL
MOUNTING: SURFACE
NOTES: SQUARE D NO430L1C



AT THE COMPLETION OF THE PROJECT, PROVIDE A NEW TYPE WRITTEN PANEL DIRECTORY AND INCLUDE A COPY IN THE MAINTENANCE MANUALS.

PROPOSED PANEL 'LP-B' SCHEDULE



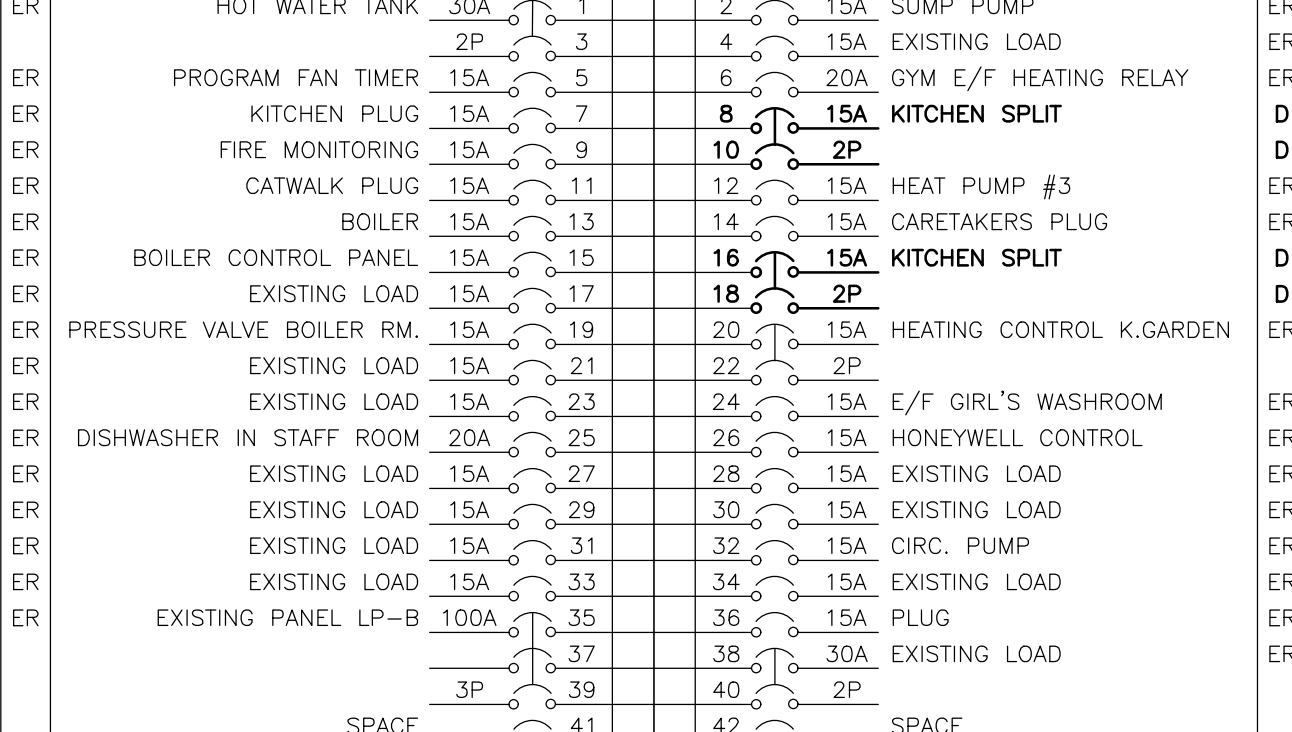
DESIGNATION

'ER' INDICATES EXISTING SERVICE AND BREAKER THAT SHOULD REMAIN UNTOUCHED.
'SP' INDICATES EXISTING BREAKER THAT MAY BECOME SPARE DUE TO DEMOLITION. (CONFIRM ON SITE)
'RW' INDICATES EXISTING BREAKER THAT SHOULD BE REWIRED TO SERVICE DEVICES INDICATED ON PLAN
'SB' INDICATES SPARE BREAKER TO BE USED FOR NEW SERVICE INDICATED.
'NB' INDICATES NEW BREAKER AND WIRING TO SERVICE INDICATED. PROVIDE MOUNTING HARDWARE AS REQUIRED.
'D' INDICATES EXISTING BREAKER TO BE REMOVED COMPLETE. PROVIDE FILLER PLATES AS REQUIRED.
NOTES: THIS CONTRACTOR IS TO INVESTIGATE BREAKERS AND REVERSE PANEL SCHEDULES TO SUIT RENOVATION, NOTING ANY BREAKERS THAT BECOME SPARE DUE TO DEMOLITION. THIS CONTRACTOR IS ALSO TO NOTIFY THE CONSULTANT OF ANY BREAKERS THAT ARE INDICATED TO BE DEMOLISHED OR REUSED, BUT WHICH ARE IN USE BY OTHER DEVICES OR SERVICES.

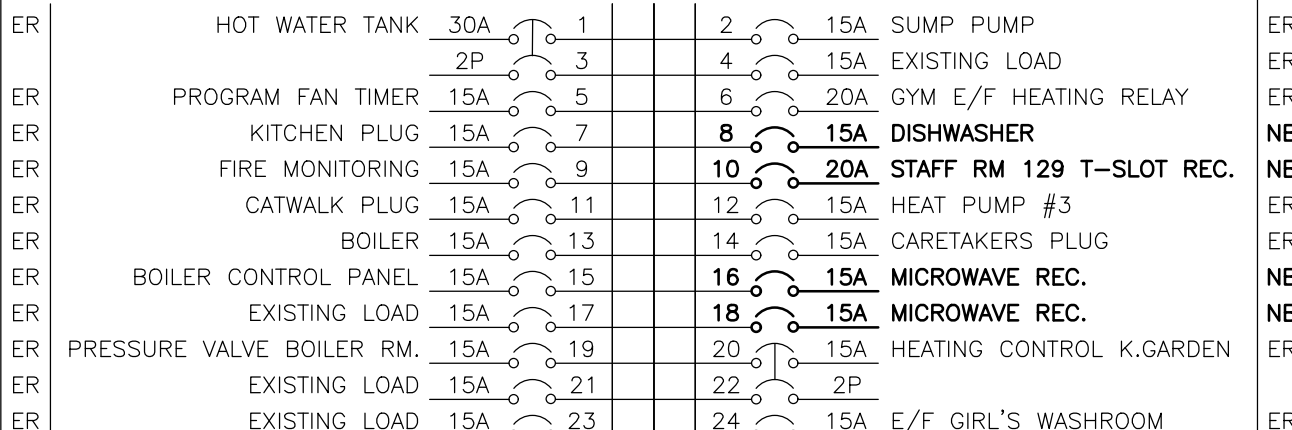
NOTES: EXISTING BREAKER TO REMAIN.

EXISTING PANEL 'LP-A' SCHEDULE

VOLTAGE: 120/208 VOLTS
PHASE: 3P, 4W
MAINS: 200A
NEUTRAL BUS: FULL
MOUNTING: SURFACE
NOTES: EATON TYPE PRL1A



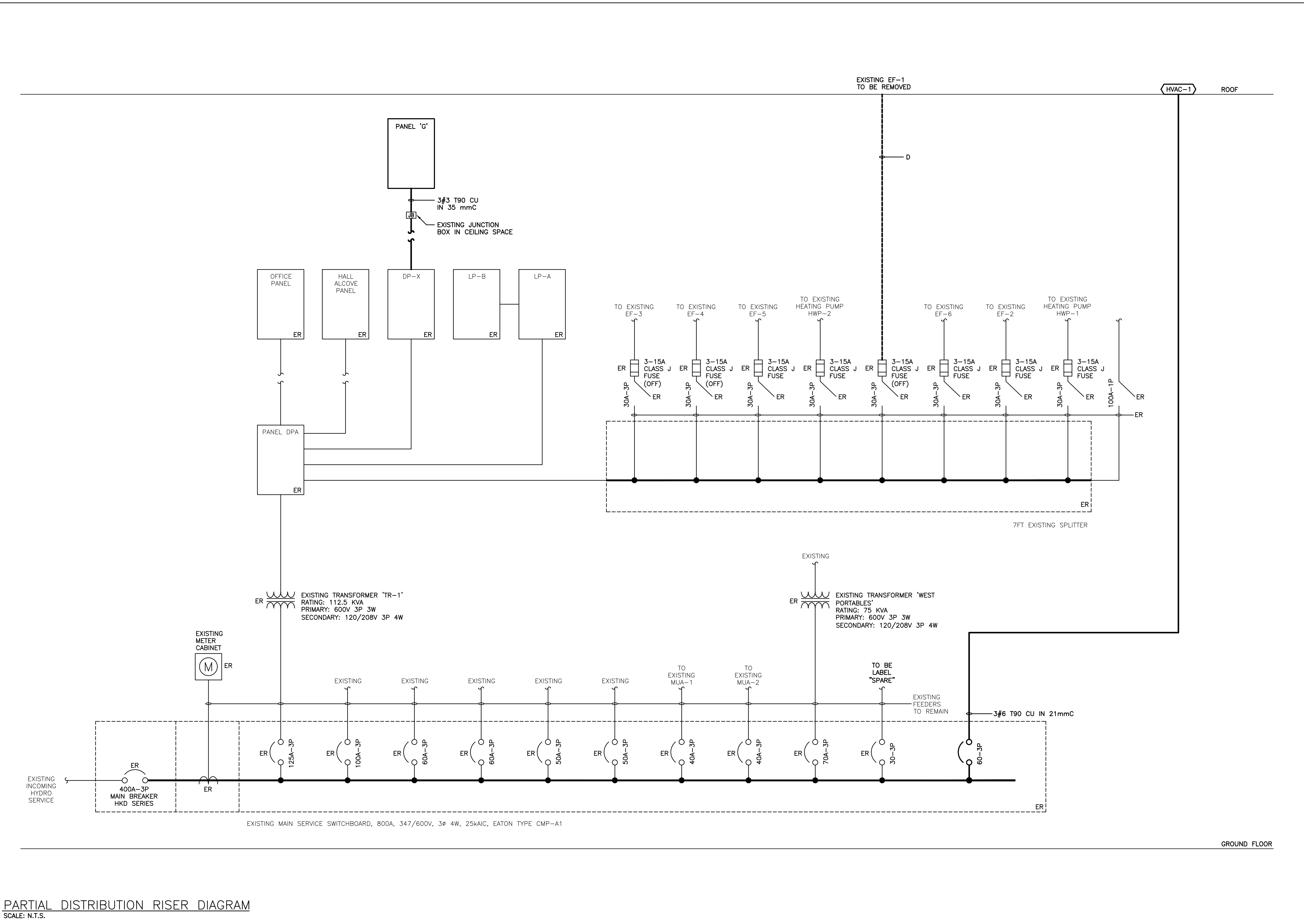
PROPOSED PANEL 'LP-A' SCHEDULE



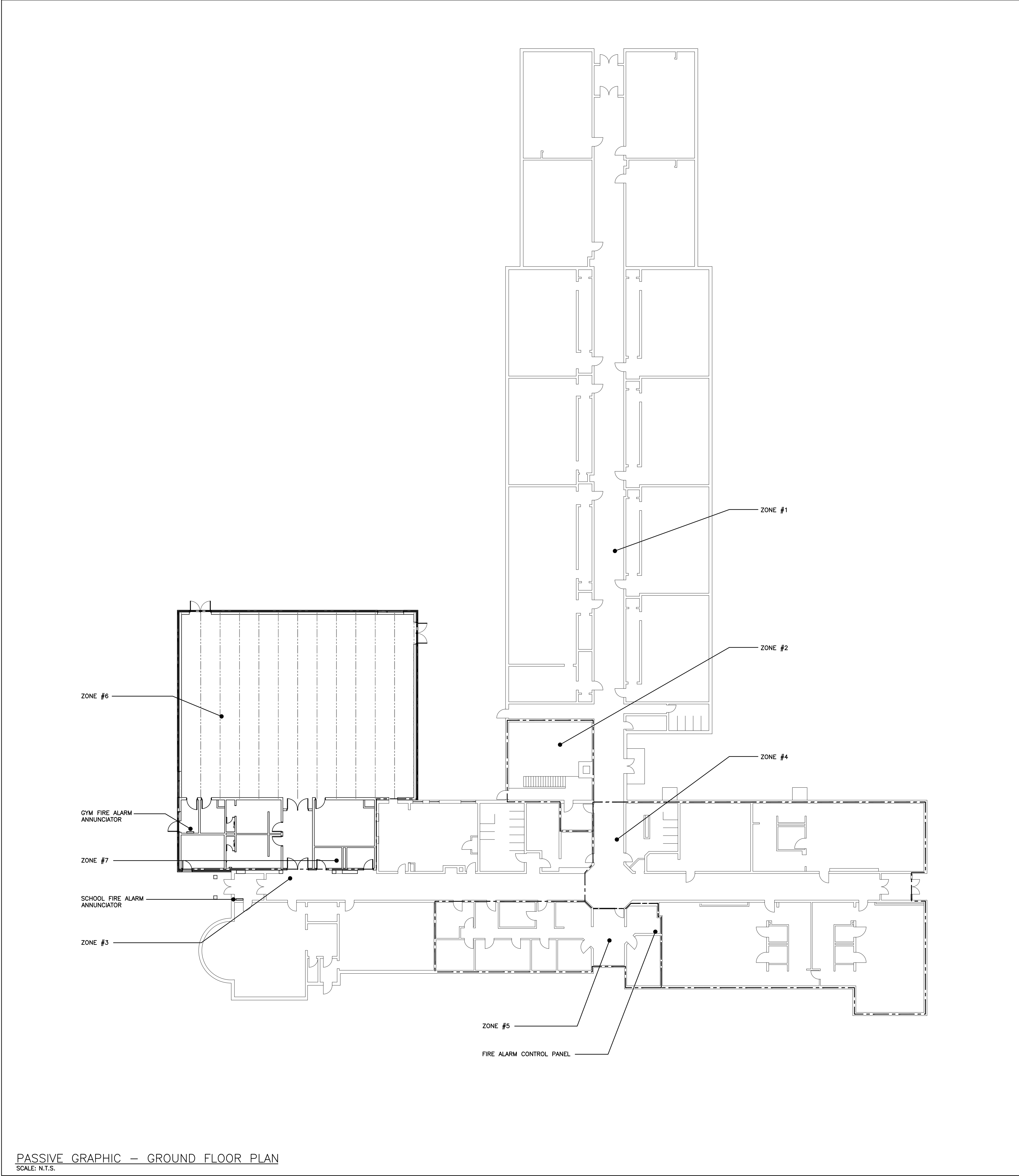
DESIGNATION

'ER' INDICATES EXISTING SERVICE AND BREAKER THAT SHOULD REMAIN UNTOUCHED.
'SP' INDICATES EXISTING BREAKER THAT MAY BECOME SPARE DUE TO DEMOLITION. (CONFIRM ON SITE)
'RW' INDICATES EXISTING BREAKER THAT SHOULD BE REWIRED TO SERVICE DEVICES INDICATED ON PLAN
'SB' INDICATES SPARE BREAKER TO BE USED FOR NEW SERVICE INDICATED.
'NB' INDICATES NEW BREAKER AND WIRING TO SERVICE INDICATED. PROVIDE MOUNTING HARDWARE AS REQUIRED.
'D' INDICATES EXISTING BREAKER TO BE REMOVED COMPLETE. PROVIDE FILLER PLATES AS REQUIRED.
NOTES: THIS CONTRACTOR IS TO INVESTIGATE BREAKERS AND REVERSE PANEL SCHEDULES TO SUIT RENOVATION, NOTING ANY BREAKERS THAT BECOME SPARE DUE TO DEMOLITION. THIS CONTRACTOR IS ALSO TO NOTIFY THE CONSULTANT OF ANY BREAKERS THAT ARE INDICATED TO BE DEMOLISHED OR REUSED, BUT WHICH ARE IN USE BY OTHER DEVICES OR SERVICES.

NOTES: EXISTING BREAKER TO REMAIN.



PARTIAL DISTRIBUTION RISER DIAGRAM
SCALE: N.T.S.

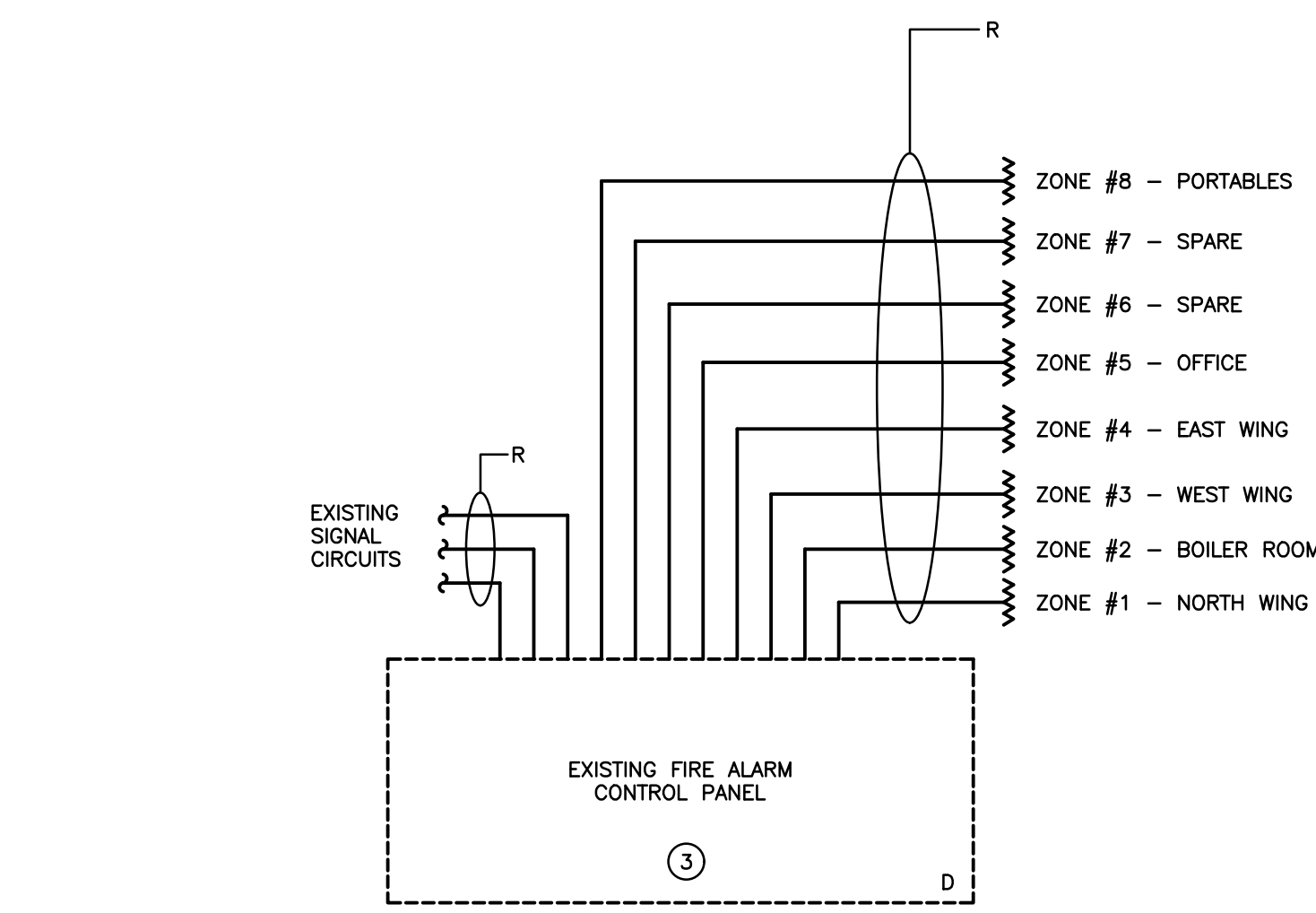


PASSIVE GRAPHIC - GROUND FLOOR PLAN
SCALE: N.T.S.

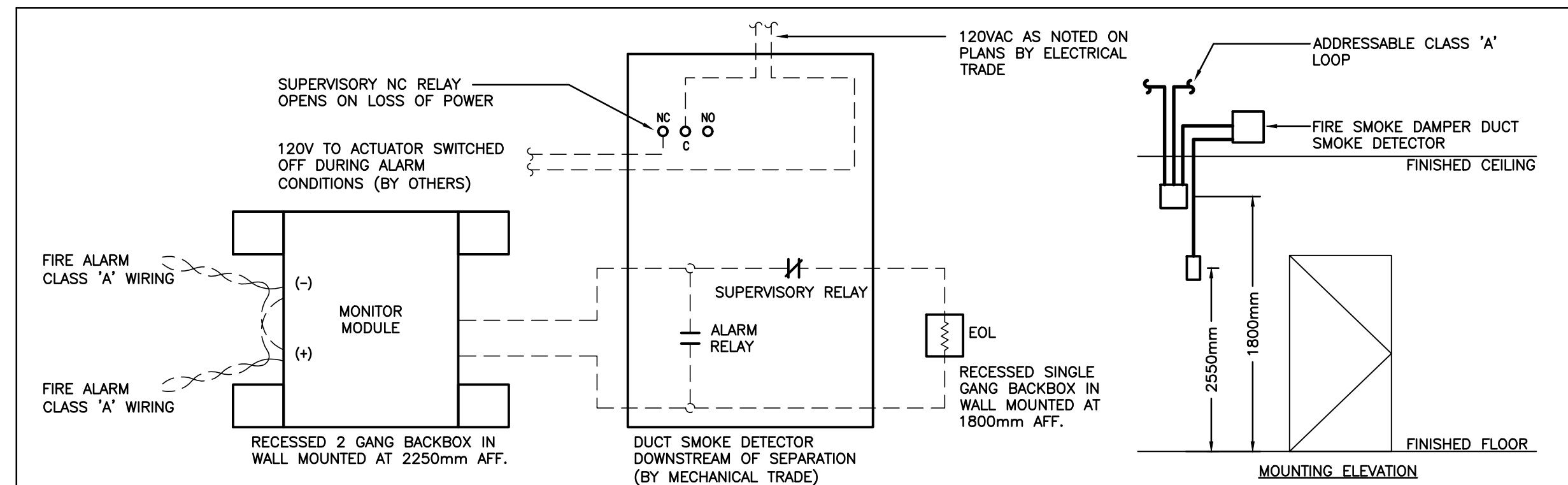
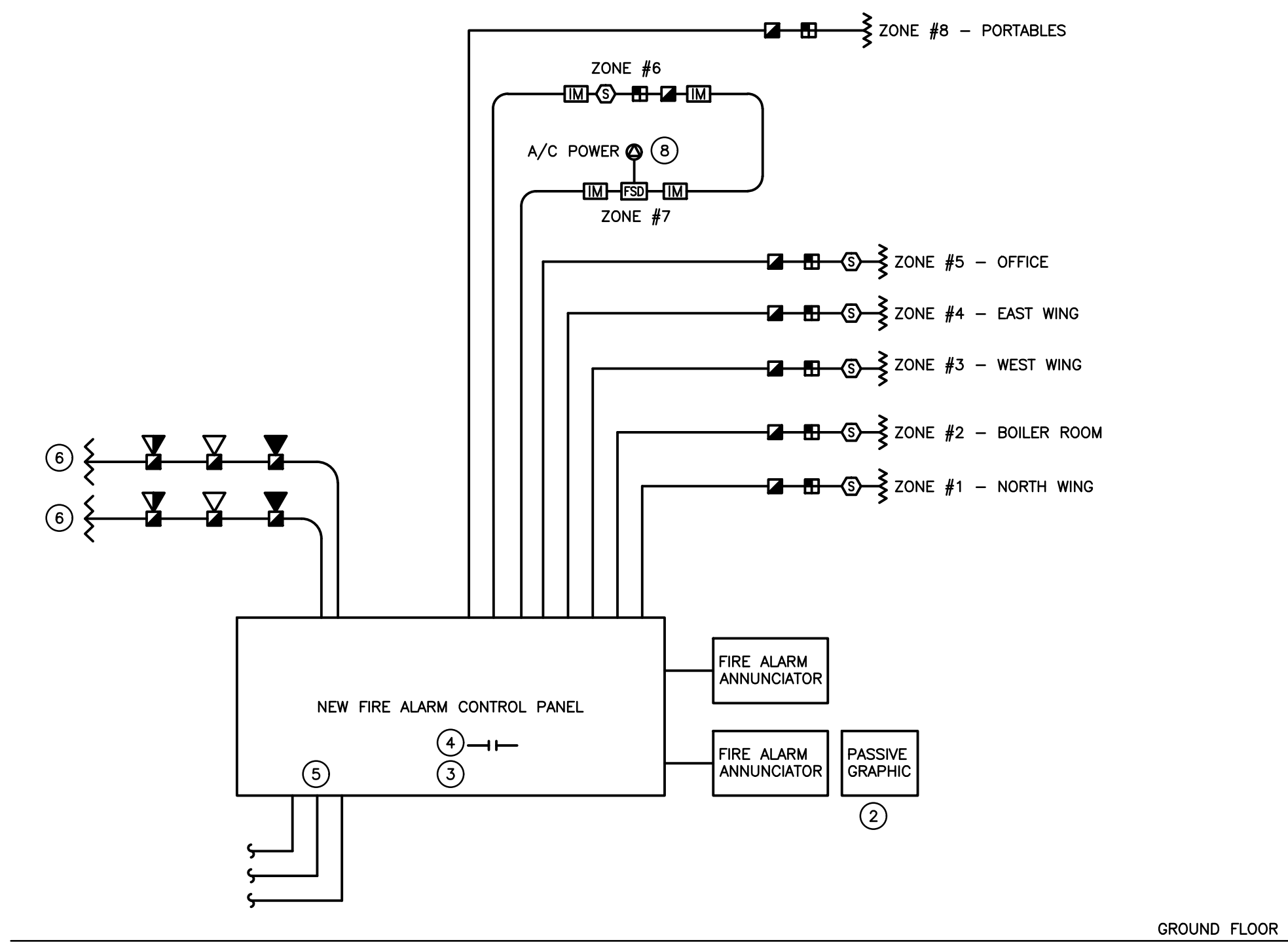
FIRE ALARM ANNUNCIATOR SCHEDULE

Zone	Description	Alarm	Supervisory
1	NORTH WING	•	
2	BOILER ROOM	•	
3	WEST WING	•	
4	EAST WING	•	
5	OFFICE	•	
6	GYMNASIUM	•	
7	FIRE SMOKE DAMPER	•	
8	PORTABLES	•	
9	SPARE		
10	SPARE		
11	SPARE		
12	SPARE		

PARTIAL FIRE ALARM RISER DIAGRAM - DEMOLITION
SCALE: N.T.S.



PARTIAL FIRE ALARM RISER DIAGRAM - RENOVATION
SCALE: N.T.S.



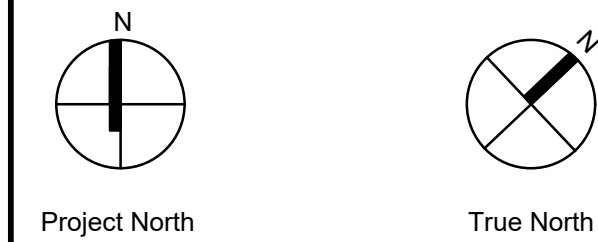
- NOTES:
- MONITOR MODULE AND END OF LINE RESISTOR DEVICE MOUNTING HEIGHTS SHALL BE PER CAN/ULC S524 (LATEST EDITION).
 - MOUNT DEVICES WITHIN ACCESSIBLE LOCATIONS IN SERVICE ROOMS, WHERE POSSIBLE, IN THE VICINITY OF RESPECTIVE FIRE SMOKE DAMPER DEVICES IN FINISHED SPACES TO BE C/W FLUSH MOUNT DEVICE BOXES AND COVERS. DEVICE COVERS TO BE LABELLED PER CAN/ULC S524 (LATEST EDITION).

A-FIRE/SMOKE DAMPER INSTALLATION DETAIL
SCALE: N.T.S.

FIRE ALARM SPECIFIC NOTES

- REFER TO FLOOR PLANS FOR EXACT LOCATION AND QUANTITY OF NEW DEVICES.
- PROVIDE NEW FIRE ALARM PASSIVE GRAPHIC TO SUIT ADDITIONAL FIRE ALARM ZONES.
- EXISTING FIRE ALARM CONTROL PANEL IS TO BE REPLACED WITH NEW, DISCONNECT EXISTING SIGNAL AND INITIATING CIRCUITS AND RECONNECT TO NEW PANEL.
- PROVIDE TWO SETS OF RELAYS FOR SECURITY SYSTEM FOR ALARM AND TROUBLE SIGNALS.
- RECONNECT ALL OTHER ACCESSORIES AS REQUIRED (SECURITY, ULC MONITORING, ETC.)
- EXTEND EXISTING SIGNAL WIRING TO SUIT NEW DEVICES.
- PROVIDE NEW FIRE ALARM ZONES AS INDICATED.
- INDICATES 120V POWER AND FIRE ALARM CONNECTIONS TO SMOKE/FIRE DAMPER WITH INTEGRAL SMOKE DETECTOR. REFER TO FIRE ALARM SPECIFICATIONS, COORDINATE EXACT LOCATION/CONNECTION REQUIREMENTS WITH MECHANICAL CONTRACTOR. SMOKE/FIRE DAMPER AND ASSOCIATED INTEGRAL SMOKE DETECTOR TO BE PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR. PROVIDE MONITORING MODULE(S) PER SMOKE/FIRE DAMPER TO 120V POWER SUPPLY CONNECTION TO THE DAMPER ACTUATOR AND INTEGRAL SMOKE DETECTOR ALARM AS SIGNAL. A TROUBLE CONDITION SHALL BE ACTIVATED DUE TO THE LOSS OF AC POWER AT THE MAIN CONTROL PANEL, CONSISTING OF AUDIBLE AND VISUAL TROUBLE SIGNAL UNTIL ACKNOWLEDGED BY OPERATOR. REFER TO DETAIL A/E302.

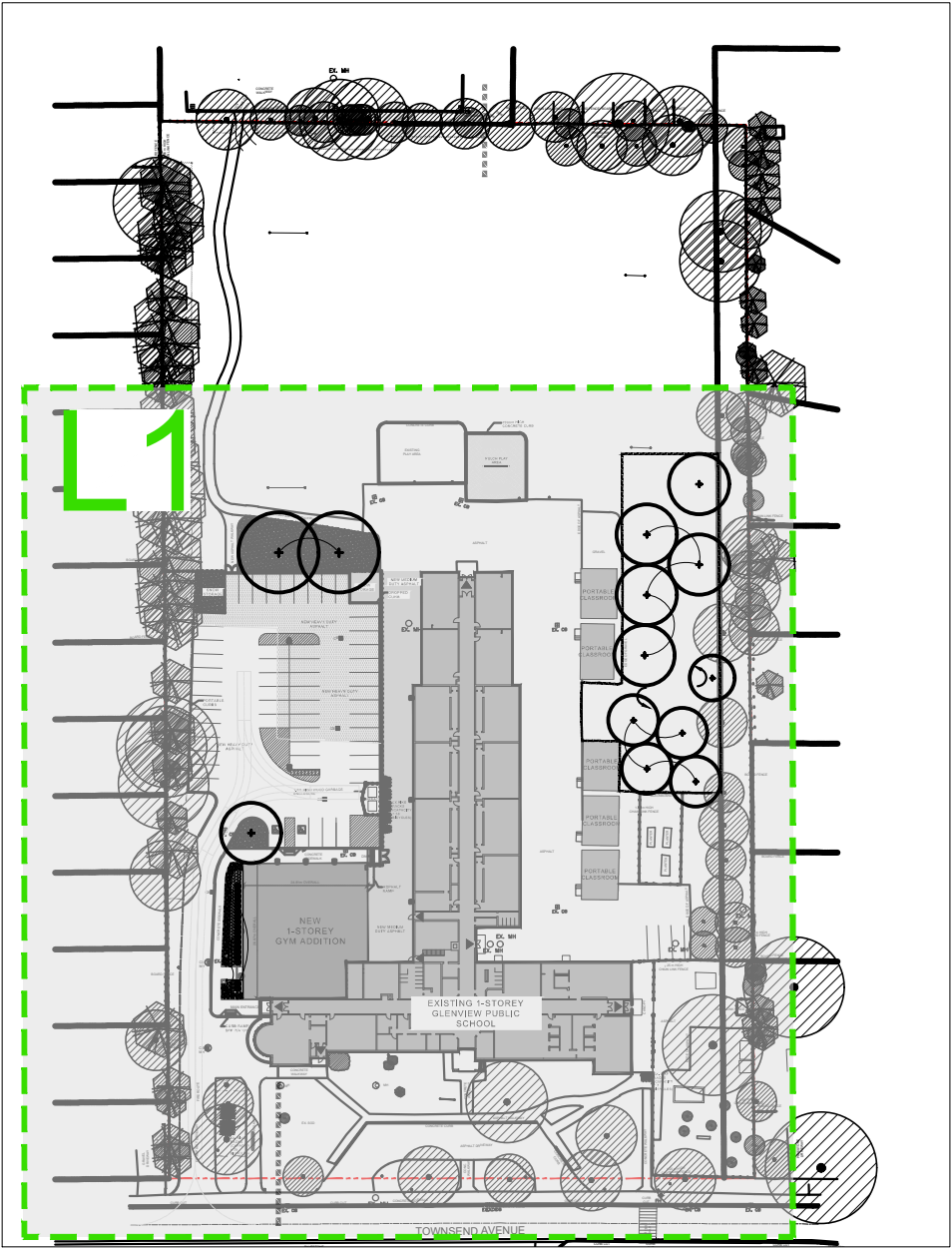
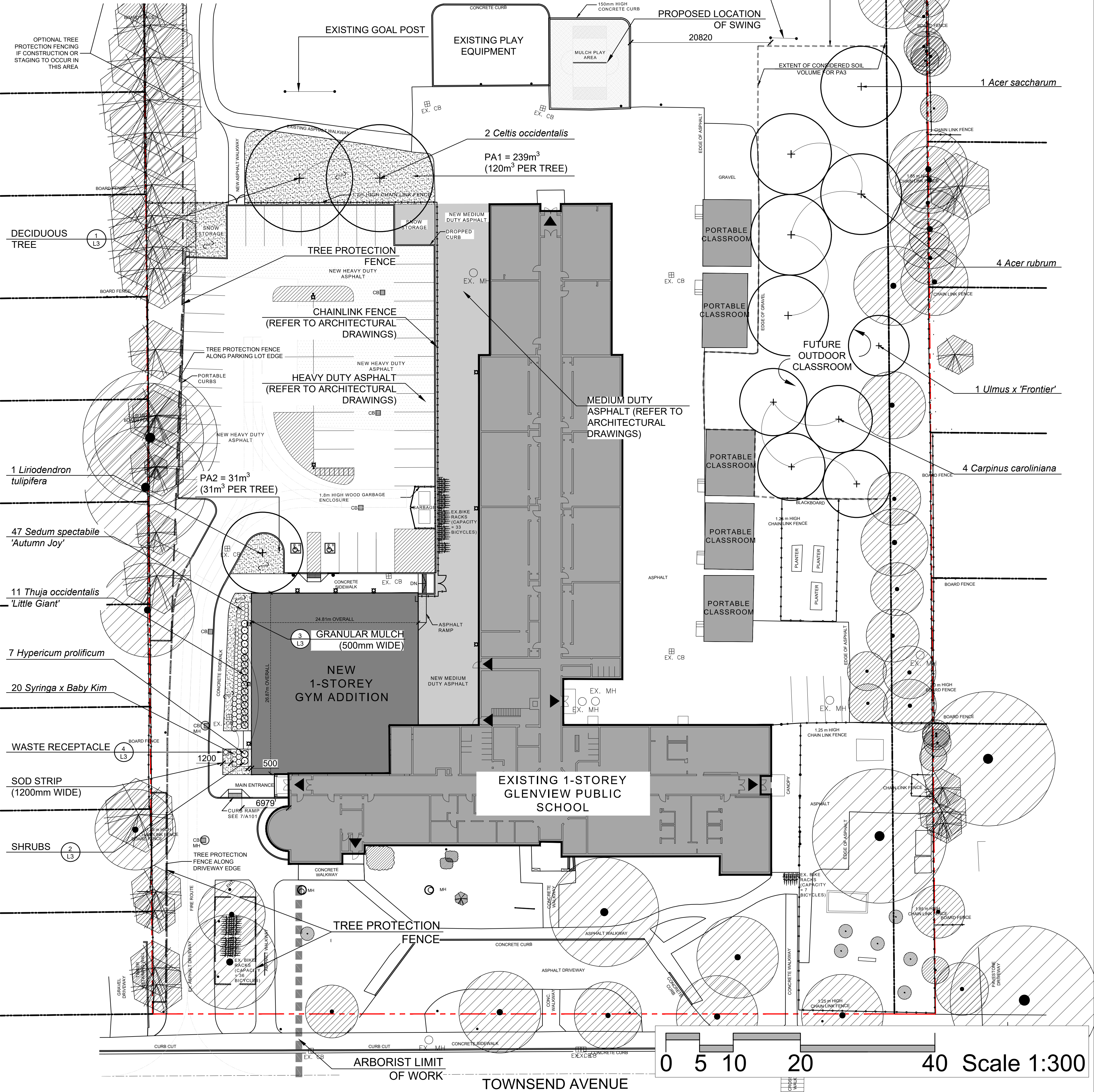
The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work. The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work. The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions. Drawings and specifications, etc., prepared and issued by the consultant are the property of the consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant. Do not scale this drawing. © 2024 DEI Consulting Engineers Inc.



Project North True North

No. Revisions Date

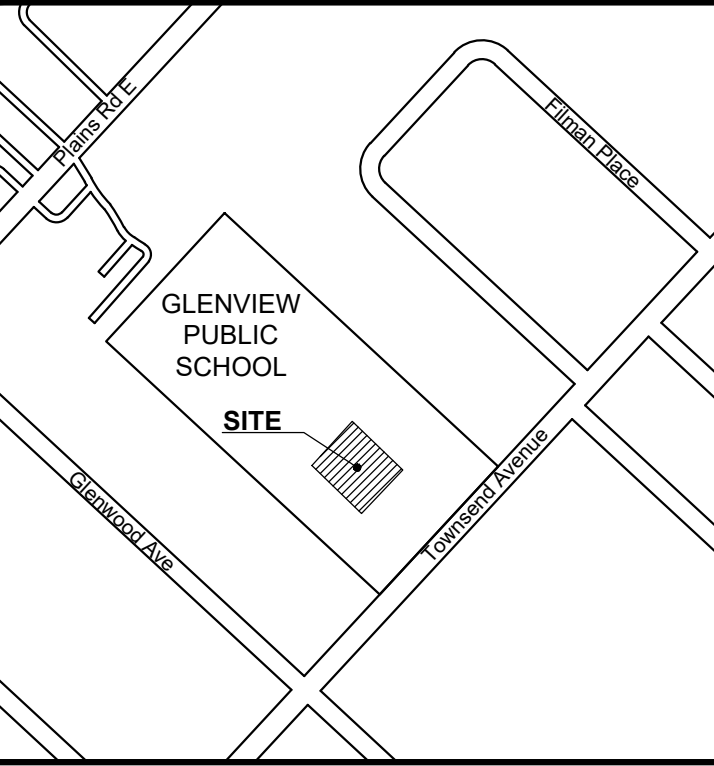
MATCH LINE - REFER TO L2



KEY PLAN

PLANT LIST					
QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONDITION	REMARKS
DECIDUOUS TREES					
4	Acer rubrum	Red Maple	75mm	WB	uniform, symmetrical
1	Acer saccharum	Sugar Maple	75mm	WB	uniform, symmetrical
4	Carpinus caroliniana	Blue Beech	75mm	WB	uniform, symmetrical
2	Celtis occidentalis	Common Hackberry	70mm	WB	uniform, symmetrical
1	Liriodendron tulipifera	Tulip Tree	60mm	WB	uniform, symmetrical
1	Ulmus x 'Frontier'	Frontier Elm	75mm	WB	uniform, symmetrical
DECIDUOUS SHRUBS					
7	Hypericum prolificum	Shrubby St. John's Wort	40cm	3 gal.	1000mm o.c. spacing
47	Sedum spectabile 'Autumn Joy'	Autumn Joy Stonecrop	2 gal.		900mm o.c. spacing
20	Syringa x Baby Kim	Baby Kim Dwarf Lilac	2 gal.		750mm o.c. spacing
CONIFEROUS SHRUBS					
11	Thuja occidentalis 'Little Giant'	Little Giant Cedar	40cm	3 gal.	1000mm o.c. spacing

SOIL VOLUME						
SOIL AREA DESIGNATION	SOIL AREA (m ²)	SOIL DEPTH (m)	SOIL VOLUME (m ³)	TREE QUANTITY	SOIL VOLUME PER TREE (m ³)	REQUIRED SOIL VOLUME PER TREE (m ³)
PA1	266	0.9	239	2	120	20
PA2	35	0.9	31	1	31	30
PA3	1400	0.9	1260	10	126	20
TOTAL			1530	13		



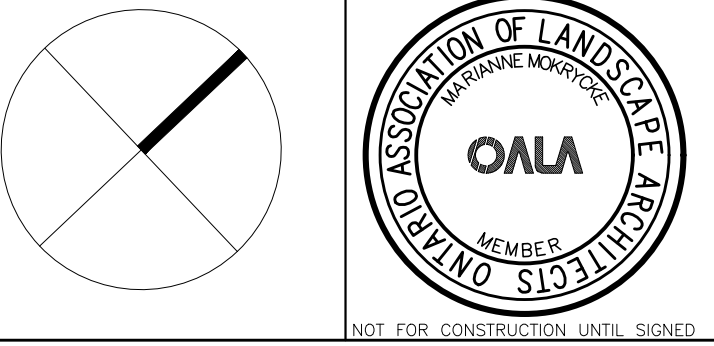
KEY-PLAN

LEGEND	
	EXISTING PROPERTY LINE
	EXISTING DECIDUOUS TREE TO BE RETAINED
	EXISTING CONIFEROUS TREE TO BE RETAINED
	PROPOSED DECIDUOUS TREE
	PROPOSED CONIFEROUS TREE
	PROPOSED DECIDUOUS SHRUB
	PROPOSED CONIFEROUS SHRUB
	PROPOSED SOD
	PROPOSED GRANULAR MULCH
	TREE PROTECTION FENCE
	OPTIONAL TREE PROTECTION FENCE

SOURCE OF BASE INFORMATION:
Site plan & Servicing plan provided by Snyder Architects Inc., Job. no. 2314, drawing sheet A101 dated February 27, 2024.

No.	DATE	DESCRIPTION	BY
4	04/15/2024	ISSUED FOR SPA	RG
3	02/28/2024	ISSUED FOR SPA	RG
2	02/12/2024	ISSUED FOR SPA	RG
1	02/07/2024	ISSUED FOR REVIEW	AS

REVISIONS



OMC LANDSCAPE ARCHITECTURE
Innovative. outside thinking.
270 Sherman Avenue North, Suite 315-MILL, Hamilton, ON L8L 6N4
Telephone: 905.681.7604 Fax: 905.681.2944 www.omcla.ca
LANDSCAPE ARCHITECTURE ENVIRONMENTAL PLANNING RESOURCE ANALYSIS

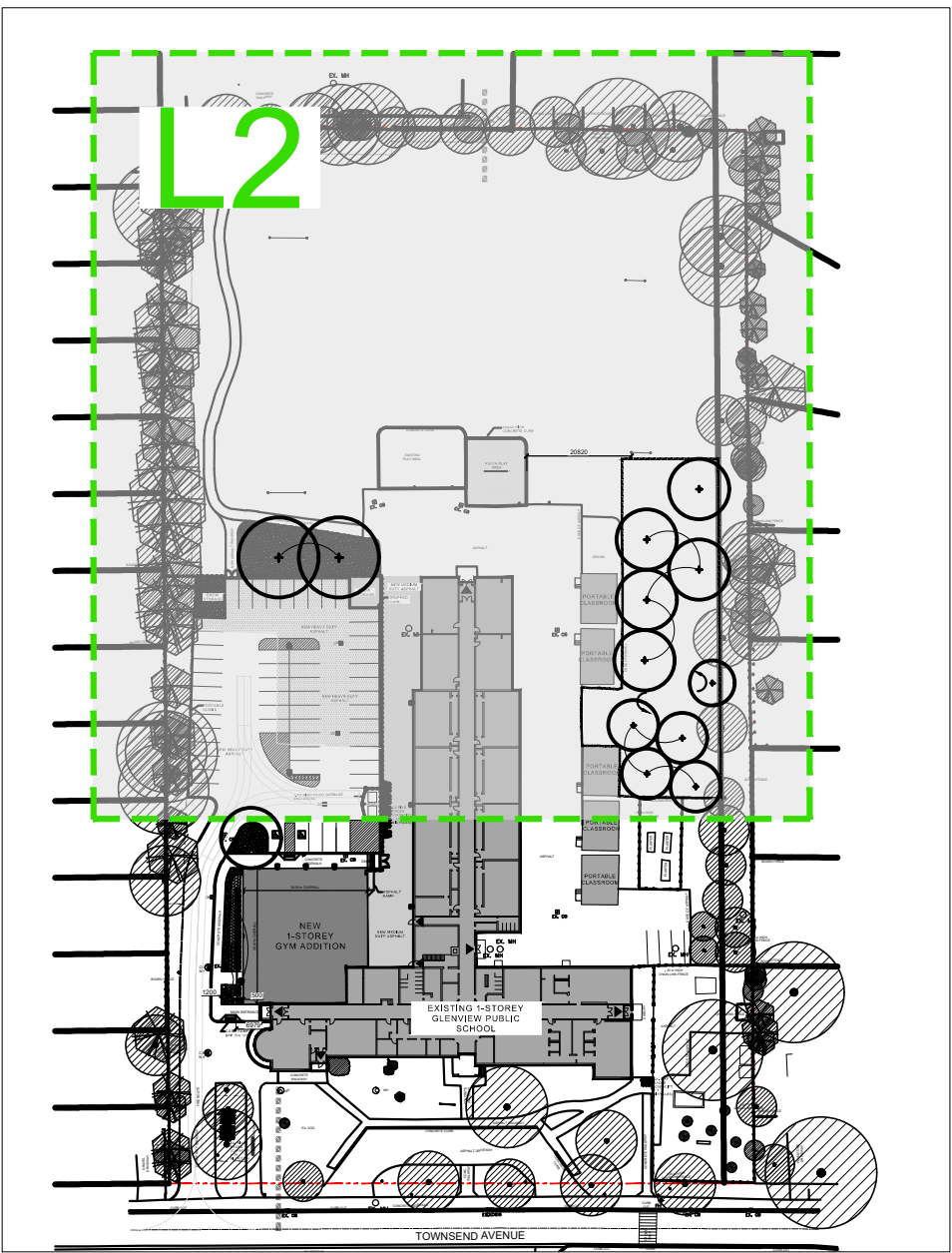
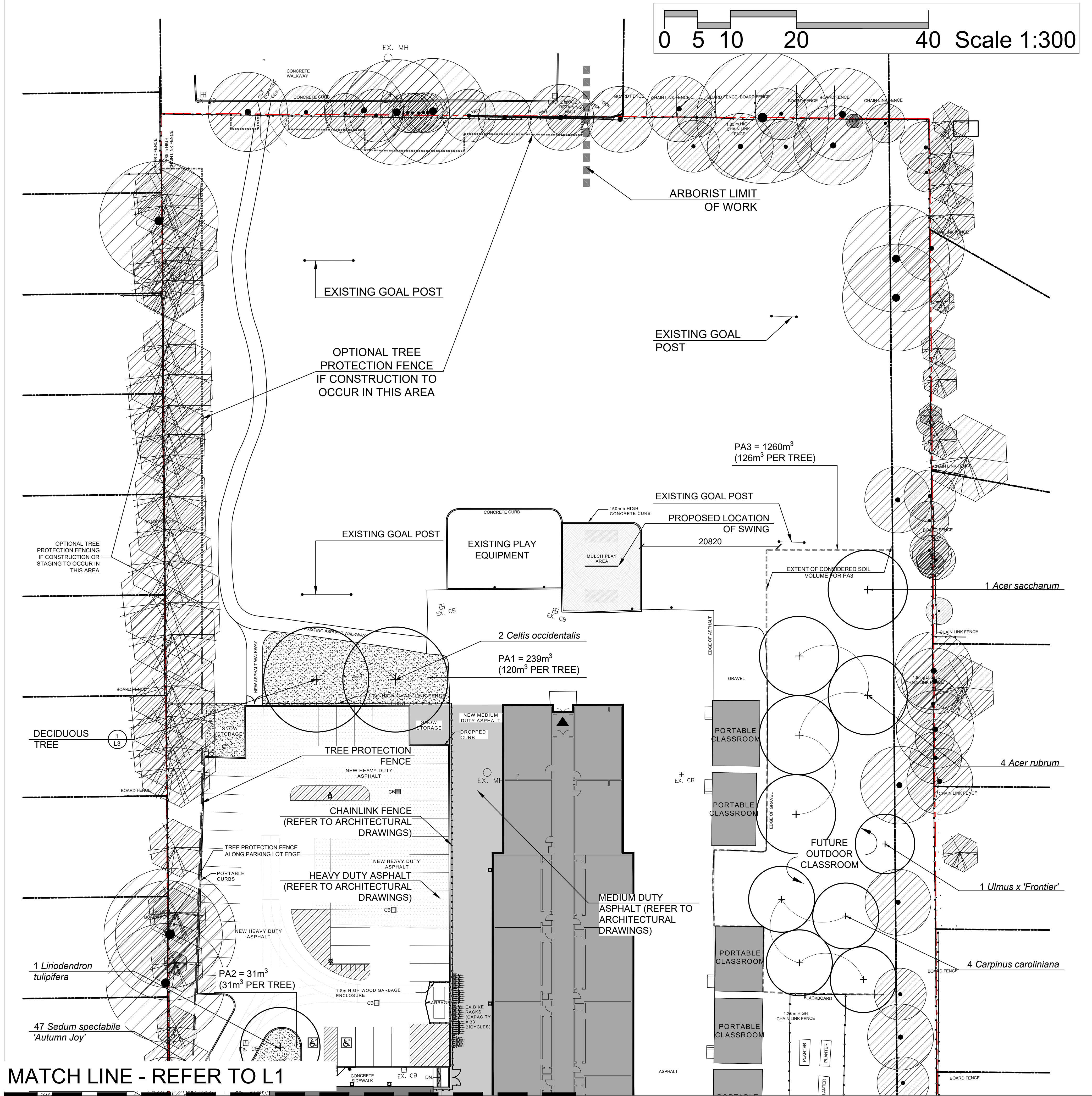
GLENVIEW PUBLIC SCHOOL (GYM ADDITION)
134 Townsend Ave,
BURLINGTON, ONTARIO

PLANTING PLAN

ISSUED FOR SPA

SCALE : 1:300	CHECKED : MM
DATE : April 15, 2024	DRAWING : L1
DRAWN : AS	PROJECT : 1631

Issued for SPA - April 15, 2024



KEY PLAN

KEY-PLAN

LEGEND

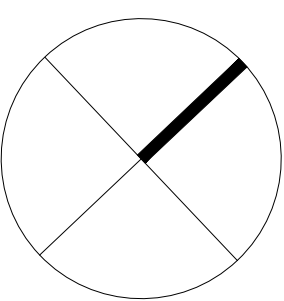
- EXISTING PROPERTY LINE
- EXISTING DECIDUOUS TREE TO BE RETAINED
- EXISTING CONIFEROUS TREE TO BE RETAINED
- PROPOSED DECIDUOUS TREE
- PROPOSED CONIFEROUS TREE
- PROPOSED DECIDUOUS SHRUB
- PROPOSED CONIFEROUS SHRUB
- PROPOSED SOD
- PROPOSED GRANULAR MULCH
- TREE PROTECTION FENCE
- OPTIONAL TREE PROTECTION FENCE

SOURCE OF BASE INFORMATION:

Site plan & Servicing plan provided by Snyder Architects Inc., Job. no. 2314, drawing sheet A101 dated February 27, 2024.

No.	DATE	DESCRIPTION	BY
4	04/15/2024	ISSUED FOR SPA	RG
3	02/28/2024	ISSUED FOR SPA	RG
2	02/12/2024	ISSUED FOR SPA	RG
1	02/07/2024	ISSUED FOR REVIEW	AS

REVISIONS



NOT FOR CONSTRUCTION UNTIL SIGNED

OMC LANDSCAPE ARCHITECTURE
Innovative. outside thinking.
270 Sherman Avenue North, Suite 315-MILL, Hamilton, ON L8L 6N4
Telephone: 905.681.7604 Fax: 905.681.2944 www.omcla.ca
LANDSCAPE ARCHITECTURE ENVIRONMENTAL PLANNING RESOURCE ANALYSIS

GLENVIEW PUBLIC SCHOOL (GYM ADDITION)
134 Townsend Ave,
BURLINGTON, ONTARIO

PLANTING PLAN

ISSUED FOR SPA

SCALE : 1:300	CHECKED : MM
DATE : April 15, 2024	DRAWING : L2
DRAWN : AS	PROJECT : 1631

Issued for SPA - April 15, 2024

PLUMBING FIXTURE SCHEDULE											CAPACITY INDICATED ON SCHEDULE. REFER TO SPECIFICATION FOR CONSTRUCTION STANDARDS, ACCESSORIES AND ADDITIONAL INFORMATION.		
Item	Type	Connection			Acceptable Manufacturer	Fixture		Acceptable Manufacturer	Trim		Acceptable Manufacturer	Accessories	
		HW	CW	TW		Drain	Valve		Fixture Description	Trim Description		Accessory Description	
WC-1	BARRIER-FREE FLOOR MOUNTED FLUSH VALVE WATER CLOSET	25	80	40	AMERICAN STANDARD MADERA KOHLER CRANE	FLOOR-MOUNTED, FLUSH VALVE, FOR BARRIER-FREE, TOP OF SEAT TO BE BETWEEN 400 MM (16") AND 450 MM (18") FROM FINISHED FLOOR.	FLOOR-MOUNTED, FLUSH VALVE, TOP OF SEAT TO BE BETWEEN 400 MM (16") AND 450 MM (18") FROM FINISHED FLOOR.	ZURN Z6000AW-W51-OF SLOAN MOEN COMMERCIAL	EXPOSED, POLISHED CHROME, EXTERNALLY ADJUSTABLE, DUAL FLUSH DIAL/ROCK TYPE WITH NPS 25 MM (1") SCREWDRIVER ACTION STOP, OSCILLATING HANDLE, FLUSH CONNECTION AND COUPLING FOR NPS 40 MM (1 1/2") TOP SPUD, WALL AND SPUD ESCUTCHEONS, SEAT BUMPER AND VACUUM BREAKER, ULTRA LOW FLUSH CYCLE: ADJUSTABLE FROM 3.8 - 17 LITRES (1.0 - 4.5 GAL)/FLUSH, FACTORY SET TO 5.7 LITRES (1.5 GAL)/FLUSH.	SEAT: CERIDUO HL820TS BEMR ALUSMITE	SEAT: WHITE 50 MM (2") LIFT, ELONGATED, OPEN FRONT, ANTIMICROBIAL, MOLDED SOLID PLASTIC, LESS COVER, STAINLESS STEEL CHECK HINGES, STAINLESS STEEL OR SOLID BRASS INSERT POST.		
WC-2	FLOOR MOUNTED FLUSH VALVE WATER CLOSET	25	80	40	AMERICAN STANDARD MADERA KOHLER CRANE	FLOOR-MOUNTED, TOP SPUD, ULTRA-LOW FLUSH, MAXIMUM 6 LITRES (1.6 GAL)/FLUSH, VITREOUS CHINA, SIPHON JET, ELONGATED RIM.	FLOOR-MOUNTED, TOP SPUD, ULTRA-LOW FLUSH, MAXIMUM 6 LITRES (1.6 GAL)/FLUSH, VITREOUS CHINA, SIPHON JET, ELONGATED RIM.	ZURN Z6000AW-W51-OF SLOAN MOEN COMMERCIAL	EXPOSED, POLISHED CHROME, EXTERNALLY ADJUSTABLE, DUAL FLUSH DIAL/ROCK TYPE WITH NPS 25 MM (1") SCREWDRIVER ACTION STOP, OSCILLATING HANDLE, FLUSH CONNECTION AND COUPLING FOR NPS 40 MM (1 1/2") TOP SPUD, WALL AND SPUD ESCUTCHEONS, SEAT BUMPER AND VACUUM BREAKER, ULTRA LOW FLUSH CYCLE: ADJUSTABLE FROM 3.8 - 17 LITRES (1.0 - 4.5 GAL)/ FLUSH, SET TO 5.7 LITRES	SEAT: CERIDUO AM500TSC BEMR ALUSMITE	SEAT: HEAVY-DUTY, WHITE, ELONGATED, OPEN FRONT, ANTIMICROBIAL, MOLDED SOLID PLASTIC, LESS COVER, STAINLESS STEEL CHECK HINGES, STAINLESS STEEL OR SOLID BRASS INSERT POST.		
L-1	BARRIER-FREE WALL MOUNTED LAVATORY (C/W FLOOR MOUNTED WALL CARRIER)	15	15	32	32	AMERICAN STANDARD MURRO KOHLER CRANE	VITREOUS CHINA, LOW SHELVE, WITH INTEGRAL BACK, CONTOURED FRONT, SHALLOW FRONT BASIN, FRONT, OVERFLOW, SUPPLY OPENINGS ON 100 MM (4") CENTRES, KNEE CONTACT GUARD, CONCEALED SUPPLIES, SIZES: 686 MM X 500 MM (27" X 20"), SQUARE FRONT, WASTE FITTING NPS 32 MM (1 1/4") OFFSET WASTE WITH GRID STRAINER & CHROME PLATED CAST BRASS 2-PIECE P-TRAP	DELTA 591T1250 ZURN MOEN COMMERCIAL	TRIM BARRIER-FREE ELECTRONIC FAUCET, ACTIVATED BY [NIRPA-RED] SENSOR RESPONDING TO PRESENCE OF PERSON'S HANDS IN LAVATORY, SENSOR: WATERPROOF, (INCORPORATED IN BODY OF UNIT (BECK-MOUNTED) WITH IMPACT-RESISTANT PLASTIC LIDS WITH ANTI-SCALD CONTROLS, SENSITIVITY ADJUSTABLE FROM 100 MM TO 450 MM (4" TO 18"), WATER CONSERVATION: 30 SECOND MAXIMUM RUN TIME, CONTROLS: MANUAL-ROOF: SPOOF: CHROME PLATED, WITH ADJUSTOR W/ADJUSTOR FOR 6.35 L/MIN (2.2 GPM) AT 413 KPA (60 PSI) MAXIMUM UNDER-COUNTER TEMPERATURE THERMOSTATIC MIXING CONTROL VALVE, (POWERS OR EQUAL), SUITABLE FOR 120/1/60.	INSULATION: ACQUIRE: PROWAP TRUESDOR	INSULATE WASTE AND SUPPLIES WITH UL LISTED PREFORMED INSULATION SYSTEM COMPLETE WITH SEAMLESS JACKET, PROVIDE POWERS HYDROGRAD SERIES ULF4495 OR EQUAL THERMOSTATIC MIXING VALVE TO LIMIT HOT WATER SUPPLY TEMPERATURE, WASTE FITTING AND STRAINER PROVIDE OFFSET 120" X GUARD FOR BARRIER FREE, COMPLETE WITH PLUG-IN TRANSFORMER SUITABLE FOR 120/1/60, PROVIDE FLOOR MOUNTED WALL CARRIER		
L-2	WALL MOUNTED LAVATORY (C/W FLOOR MOUNTED WALL CARRIER)	15	15	32	32	AMERICAN STANDARD LUCERNE KOHLER CRANE	WALL-HUNG, INTEGRAL BACK, VITREOUS CHINA, WITH SPLASH UP, SOAP DEPRESSIONS, SUPPLY OPENINGS ON 100 MM (4") CENTRES, OVERFLOW, SIZES: 500 MM X 450 MM (20" X 18"), WASTE FITTING: NPS 32 MM (1 1/4") OFFSET WASTE WITH GRID STRAINER & CHROME PLATED CAST BRASS 2-PIECE P-TRAP	DELTA 591T1250 ZURN MOEN COMMERCIAL	TRIM BARRIER-FREE ELECTRONIC FAUCET, ACTIVATED BY [NIRPA-RED] SENSOR RESPONDING TO PRESENCE OF PERSON'S HANDS IN LAVATORY, SENSOR: WATERPROOF, (INCORPORATED IN BODY OF UNIT (BECK-MOUNTED) WITH IMPACT-RESISTANT PLASTIC LIDS WITH ANTI-SCALD CONTROLS, SENSITIVITY ADJUSTABLE FROM 100 MM TO 450 MM (4" TO 18"), WATER CONSERVATION: 30 SECOND MAXIMUM RUN TIME, CONTROLS: MANUAL-ROOF: SPOOF: CHROME PLATED, WITH ADJUSTOR W/ADJUSTOR FOR 6.35 L/MIN (2.2 GPM) AT 413 KPA (60 PSI) MAXIMUM UNDER-COUNTER TEMPERATURE THERMOSTATIC MIXING CONTROL VALVE, (POWERS OR EQUAL), SUITABLE FOR 120/1/60.	INSULATION: ACQUIRE: PROWAP TRUESDOR	INSULATE WASTE AND SUPPLIES WITH UL LISTED PREFORMED INSULATION SYSTEM COMPLETE WITH SEAMLESS JACKET, PROVIDE POWERS HYDROGRAD SERIES ULF4495 OR EQUAL THERMOSTATIC MIXING VALVE TO LIMIT HOT WATER SUPPLY TEMPERATURE, WASTE FITTING AND STRAINER PROVIDE OFFSET 120" X GUARD FOR BARRIER FREE, COMPLETE WITH PLUG-IN TRANSFORMER SUITABLE FOR 120/1/60, PROVIDE FLOOR MOUNTED WALL CARRIER		
FD-1	GENERAL DUTY FLOOR DRAIN	NOTED	40			ZURN ZN-415-B MFAB F11000 WATTS DRAINAGE FD-100-C-4S-1 OR FD-100-C-4S-1 JAY R. SMITH Z00S-AOSNB	GENERAL DUTY CAST IRON BODY, ADJUSTABLE HEAD, NICKEL BRONZE STRAINER, INTEGRAL SEEPAGE PAN, AND CLAMPING COUPLING, USE SQUARE STRAINER IN TILED AREAS AND ROUND STRAINER ELSEWHERE, C/W TRAP PRIMER						
RD-1	ROOF DRAIN	NOTED				ZURN ZA121-OR MFAB F1200-BU CONTOUR C1000QMP WATTS RD-100-BED-K SMITH 1015-C-4S-4D	STANDARD ROOF DRAIN WITH CAST IRON BODY WITH ALUMINUM DOME, UNDER-DECK CLAMP TO SUIT ROOF CONSTRUCTION, ROOF SUMP RECEIVER, FLASHING CLAMP WITH INTEGRAL DRAINING STOP.						

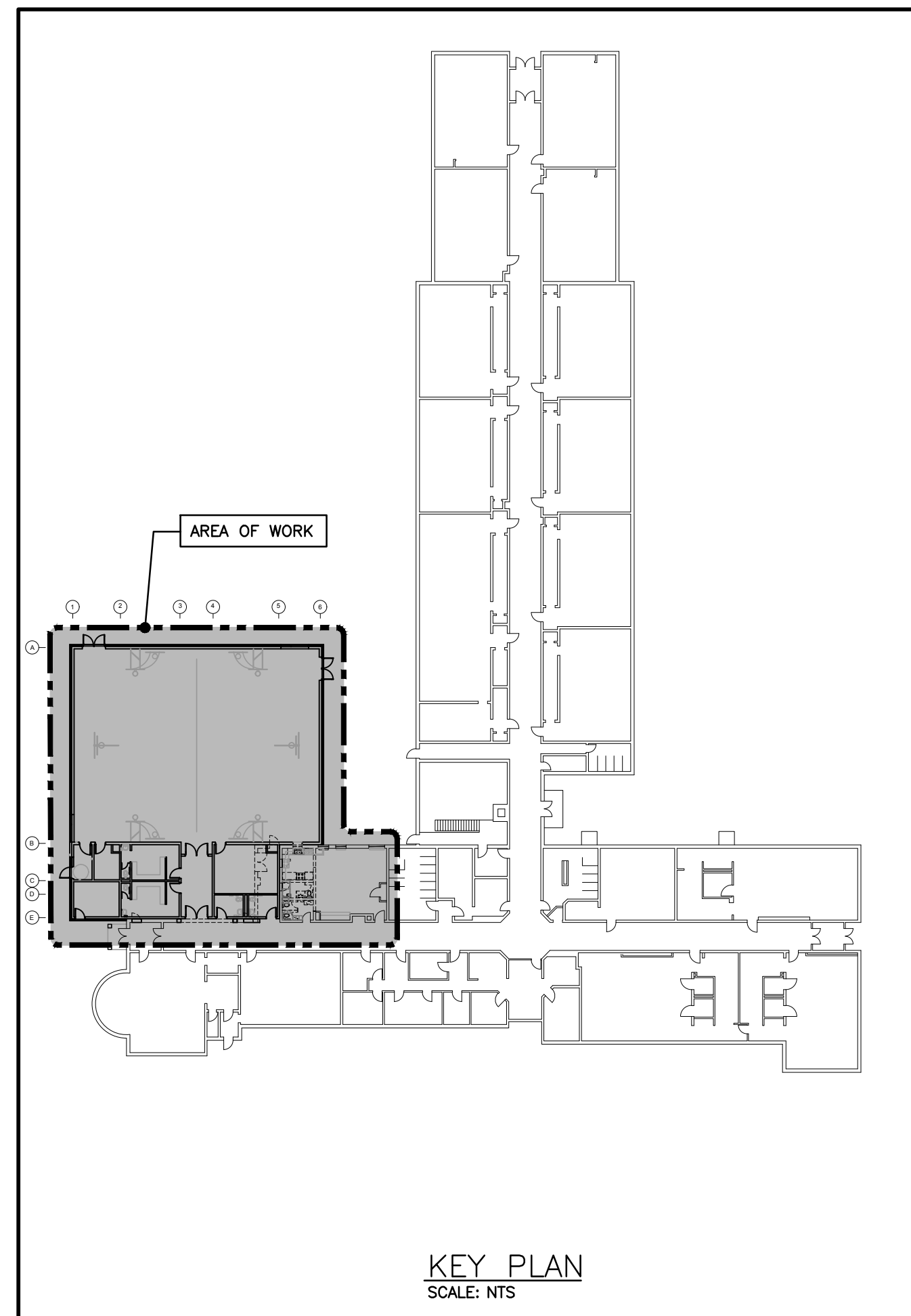
PACKAGED HVAC UNIT SCHEDULE											CAPACITY INDICATED ON SCHEDULE REFERS TO STANDARDIZATION FOR CONSTRUCTION STANDARDS ACCESSORIES AND ADDITIONAL INFORMATION.	
Item	Type	Normal Capacity		ESP Motor	Electrical Data		Acceptable Manufacturer	Notes				
		tons	kw		Heat Unit (GPM) 1/2" NPT	Volts			Watts			
Hvac-1	PACKAGED ROOFTOP HVAC UNIT	10	7000	400	242	1.5	2.9	575/3/60	47	60	TRANE D3H24QAW5AH	HIGH HEAT, DOWN DISCHARGE & RETURN. INTEGRAL AIR/SOURCE HEAT PUMP OPERATION C/W NATURAL GAS BACKUP, 24" HIGH ROOF CURB WITH VIBRATION ISOLATION LAYER.

GENERAL HVAC UNIT NOTES:

1. ACCEPTABLE MANUFACTURERS: TRANE, LENNIX, JOHNSON/JOFF, DAIKIN.
2. UNITS HAVE 2 STAGE NATURAL GAS/FIRAPANE HEAT, 2 STAGE DX COOLING PLUS ECONOMIZER, BURN DRIVE FANS, VTD FAN MOTOR CONTROL.
3. PROVIDE STANDARD INSULATED 24" HIGH ROOF CURB, ADDITIONAL ISOLATION/ABSORB RATION R/CURB, STAINLESS STEEL GAS HEAT EXCHANGER, CONDENSER COIL GUARD, STAINLESS STEEL GAS EXHAUST, POWER EXHAUST, ECONOMIZER, AND ALL OTHERS, DEMONSTRATION PACKAGE WHERE INDICATED, AND 2 SETS MERV 13 DISPOSABLE FILTERS.
4. CONTROL SYSTEM CONTROLS BY BAC CONTRACTOR, PROVIDE INTEGRAL CONTROLLER MATCHED TO BAC MANUFACTURER.

GRILLE SCHEDULE				CAPACITY INDICATED ON SCHEDULE REFER TO SPECIFICATIONS FOR CONSTRUCTION STANDARDS, ACCESSORIES AND ADDITIONAL INFORMATION.
Item	Type	Manufacturer & Model	Finish	Remarks
D1	ROUND CEILING SUPPLY	KRIEGER RAZ	BAKED OFF WHITE	C/W SAFETY CHAINS. SLIDING ADJUSTMENT NOT ACCEPTABLE
D2	ROUND SUPPLY	KRIEGER RAZ	BAKED OFF WHITE	C/W SAFETY CHAINS & GUARD. SLIDING ADJUSTMENT NOT ACCEPTABLE
R1	CEILING RETURN/EXHAUST	KRIEGER EGCS	BAKED OFF WHITE	C/W SCREWED FASTENING
R2	DYNAMASIM RETURN	KRIEGER G4SD	BAKED OFF WHITE	C/W SCREWED FASTENING

FAN SCHEDULE										CAPACITY INDICATED ON SCHEDULE REFERS TO SPOTCOOLING CAP. COOLING CAPACITY, ACCESSORIES AND ADDITIONAL INFORMATION.
Item	Type	Service	Capacity cfm	Air Size in.	Sp. hp.	Voltage	Manufacturer	Model	Remarks	
EF-1	ROOF MOUNTED EXHAUST	WASHROOM EXHAUST	400	1/4	0.75	120/1/60	PENN BARRY	C-005-V	0-600mm (24") HIGH INSULATED ROOF CURB & BACKDRIFT DAMPER. DWR BY BAS CONTRACTOR	
EF-2	RANGEHOOD EXHAUST	STAFF ROOM	210	1/8	0.20	120/1/60	BRAN	SAHALL	CONTAMINATED STEEL HOUSING, FULLY ENCLOSED BOTTOM, TOP DISCHARGE, CENTRIFUGAL BLOWER. 1 SPEED BLOWER CONTROLS, 3 SPEED BLOWER CONTROLS, 3 SPEED BLOWER CONTROLS. LIGHTING, COLOR SELECTED BY CONSULTANT.	
EF-3	CEILING EXHAUST FAN	EXTerior STORAGE RM.	100	1/8	0.20	120/1/60	BRAN	1100	ACOUSTICALLY INSULATED STEEL HOUSING, CENTRIFUGAL BLOWER. WHEEL, 90° DISCHARGE OUTLET, W/BACKDRIFT DAMPER, C/W WHITE PAINTED ENAMEL STEEL GRILL, VIBRATION ISOLATORS, 1/2" DIA. MOUNTING BRACKET.	



MECHANICAL LEGEND			
Item	Description	Item	Description
←	CUT EXISTING & CONNECT NEW PIPING	— INL	INLINE PUMP
→	FLOW DIRECTION	— TCV	TEMPERATURE CONTROL VALVE
—	DOMESTIC COLD WATER PIPING	— FE	RECESSED CABINET MOUNTED FIRE EXTINGUISHER
—	DOMESTIC HOT WATER PIPING	— FB	WALL MOUNTED FIRE EXTINGUISHER
—	DOMESTIC HOT WATER PIPING	— FB	FIRE BLANKET IN CABINET
—	EXISTING DOMESTIC COLD WATER PIPING	— G	FLOOR CLEANOUT
—	EXISTING DOMESTIC HOT WATER PIPING	— T	THERMOSTAT (WITH OR WITHOUT GUARD)
—	EXISTING DOMESTIC HOT WATER RECOND. PIPING	— T	TURNING VANS
— EX-SAN	EXISTING SANITARY PIPING ABOVE FLOOR	—	SUPER/UNDER-SLANT AIR DUCT
— EX-SAN	EXISTING SANITARY PIPING BELOW FLOOR	—	ACOUSTIC DUCT LINING
— SAN	SANITARY PIPING ABOVE FLOOR	—	BERMAN/UNDER-SLANT COLLAR C/W BALANCING DAMPER
— SAN	SANITARY PIPING BELOW FLOOR	—	TRUNK MAIN BRANCH COLLAR C/W BALANCING DAMPER
— ST	EXISTING STORM PIPING ABOVE FLOOR	—	STORM PIPING ABOVE FLOOR
— ST	EXISTING STORM PIPING BELOW FLOOR	—	STORM PIPING BELOW FLOOR
— ST	STORM PIPING ABOVE FLOOR	—	SPRINKLER PIPING
— ST	STORM PIPING BELOW FLOOR	— BD	BALANCING DAMPER
— SP	SPRINKLER PIPING	— OBD	OPPOSED BLADE DAMPER
— HWS	HEATING WATER SUPPLY PIPING	— FD	FIRE DAMPER
— HWR	HEATING WATER RETURN PIPING	—	FLEXIBLE ROUND DUCT
—	NATURAL GAS PIPING	—	RIGID ROUND DUCT
— HPC	HIGH PRESSURE NATURAL GAS PIPING	—	DIFFUSER/GRILLE SIZE (imp. TYPE) & CAPACITY (cm ³)
FD	FLOOR DRAIN	—	HYDRO- THERM. WAT. TYPE & CAPACITY
—	TRAP PIONEER	—	EXP. COMPENSATOR/JOINT
—	TEE CONNECTION	—	RETURN IN CABINET
—	PIPE DOWN	—	AFF
—	PIPE UP	—	EXISTING DUCT (SIZE AS INDICATED)
—	SCREWED OR WELDED PIPE CAP	—	
—	BALL VALVE	—	
—	BALANCING VALVE	—	

GENERAL NOTES

A. ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE PREPARED SPECIFICATIONS.

B. CONTRACTOR TO INCLUDE COST FOR CONSULTANT TO COMPLETE ELECTRONIC CAD AS-BUILT DWGS (ALL PAGES), REFER TO SPEC SECTION 20 02 51 - RECORD DWGS.

C. ALL PIPING, DUCTWORK, AND EQUIPMENT IS TO BE RESTRAINED TO MEET SEISMIC CODE REQUIREMENTS. SUPPLY AND INSTALL ALL SEISMIC RESTRAINT MATERIALS TO MANUFACTURER'S WRITTEN INSTRUCTIONS.

D. SANITARY VENT PIPING IS NOT SHOWN. PROVIDE ALL NECESSARY VENT PIPING FROM ALL FIXTURES FOR A COMPLETE SYSTEM TO ALL LOCAL PLUMBING CODE & LOCAL AUTHORITY REQUIREMENTS, CONNECTED TO EXISTING VENTS OR NEW VENTS AS REQUIRED. CO-ORDINATE VENT LOCATION(S) WITH GENERAL CONTRACTOR. MAINTAIN MIN 14" -0" FROM ANY AIR INLET. INSTALL VENT PIPING HIGH IN JOIST SPACE.

E. WHERE DUCTWORK PENETRATES CORRIDOR WALL, CENTER DUCT(S) BETWEEN DWGS.

F. CO-ORDINATE WITH THE GENERAL CONTRACTOR ANY OWSB BRIDGING/CROSS BRACING RELATION OR REMOVAL/REPLACEMENT REQUIRED FOR INSTALLATION OF DUCTWORK.

G. CONTRACTOR TO LOCATE ISOLATION VALVES / FREEZE PIPING / OR OTHERWISE DRAIN SYSTEMS TO ALLOW PROPOSED WORK TO PROCEED. REFILL SYSTEMS AS INDICATED.

H. UPON COMPLETION OF THE PROJECT OR UPON COMPLETION OF EACH INDIVIDUAL PHASE OF THE PROJECT THE CONTRACTORS SHALL PROVIDE THE FOLLOWING CERTIFICATES BEFORE CONFORMANCE LETTERS ARE ISSUED BY THE CONSULTANT:

- POTABLE WATER TEST (SEE SPEC 22 11 18 PART 3)
- COPING OF PENETRATIONS (SEE SPEC 22 11 18 PART 3)
- MECHANICAL SEISMIC RESTRAINT ENGINEER'S INSPECTION/CONFORMANCE LETTER

ALL CERTIFICATES ARE TO BE SUBMITTED TOGETHER IN A SINGLE PACKAGE.

IMPORTANT NOTES

A. SEISMIC RESTRAINT IS REQUIRED FOR THIS PROJECT.

ALL SLEEPING DUCTWORK AND EQUIPMENT IS TO BE RESTRAINED TO MEET CODE REQUIREMENTS. THE SEISMIC RESTRAINT MANUFACTURER SHALL PROVIDE DOCUMENTATION ON MAXIMUM RESTRAINT LOADS. THE RESTRAINT AND ANCHORS AS WELL AS WROUGHT CASE REACTION AND ANCHORS FOR EACH RESTRAINT OR FOR ANCHORS FOR EACH CASE SHALL BE DESIGNED TO RESIST THE MAXIMUM RESTRAINT LOADS.

C. SLEIGHT SHOP DRAWINGS AND DESIGN CALCULATION TO CALCULATE REQUIREMENTS FOR SELECTING SEISMICALLY RATED VESION ISOLATORS AND SEISMIC RESTRAINTS. CERTIFICATION DOCUMENTS TO BE SIGNED AND SEALED BY A QUALIFIED PROFESSIONAL ENGINEER WITH AT LEAST 5 YEARS OF EXPERIENCE IN THE DESIGN OF SEISMIC RESTRAINTS. PROFESSIONAL ENGINEER SHALL HAVE LOCAL AND NATIONAL FIELD REVIEW AND FINAL CERTIFICATION UPON COMPLETION OF THE PROJECT. ALL COSTS AND FEES ASSOCIATED WITH THE ENGINEERING SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR.

D. REFER TO SPECIFICATION FOR ADDITIONAL REQUIREMENTS.

Halton District School Board
2050 Guelph Line,
Burlington, ON.
L7P 5A8

Glenview Public School
Gym Addition

143 Townsend Ave.,
Burlington, ON. L7T 1Z1

Architects
sn/der
Snyder Architects Inc.
100 Broadview Ave, Suite 301,
Toronto, ON M4M 3H3
t. 416.966.5444, w. snyderarchitects.ca

DEI
55 Northland Road,
Waltham, GA 30217
Phone: 516-215-3355
Website: deiassociates.ca
Project Number: 22212

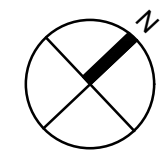
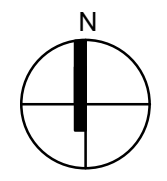
Consulting Engineers

MECHANICAL | ELECTRICAL | AQUATIC

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work. The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of services from Consultant before commencement of the work. The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions. Drawings are supplied for information and issued by the consultant are the property of the consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the consultant.

Do not scale this drawing.

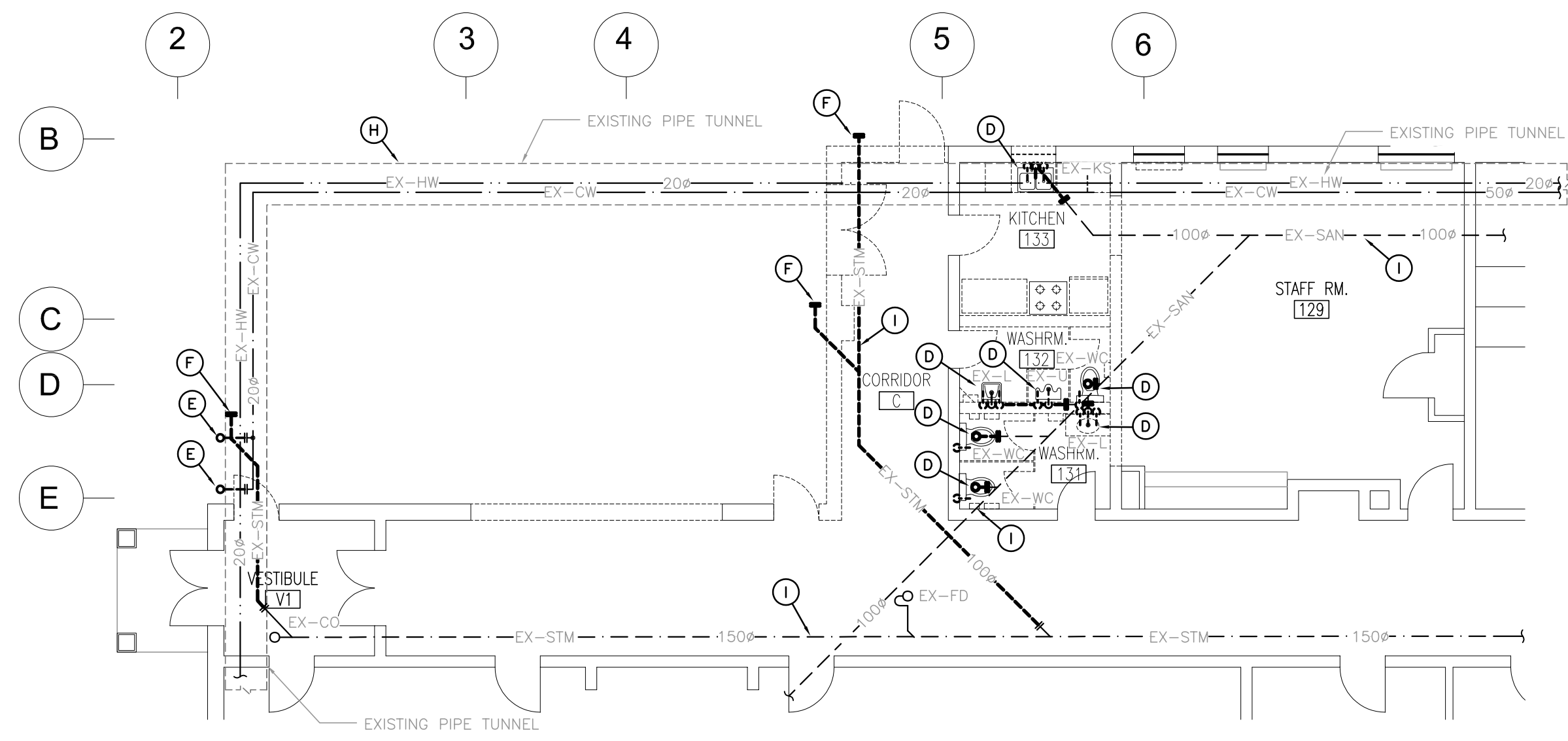
© 2024 DEI Consulting Engineers Inc.

[illegible]

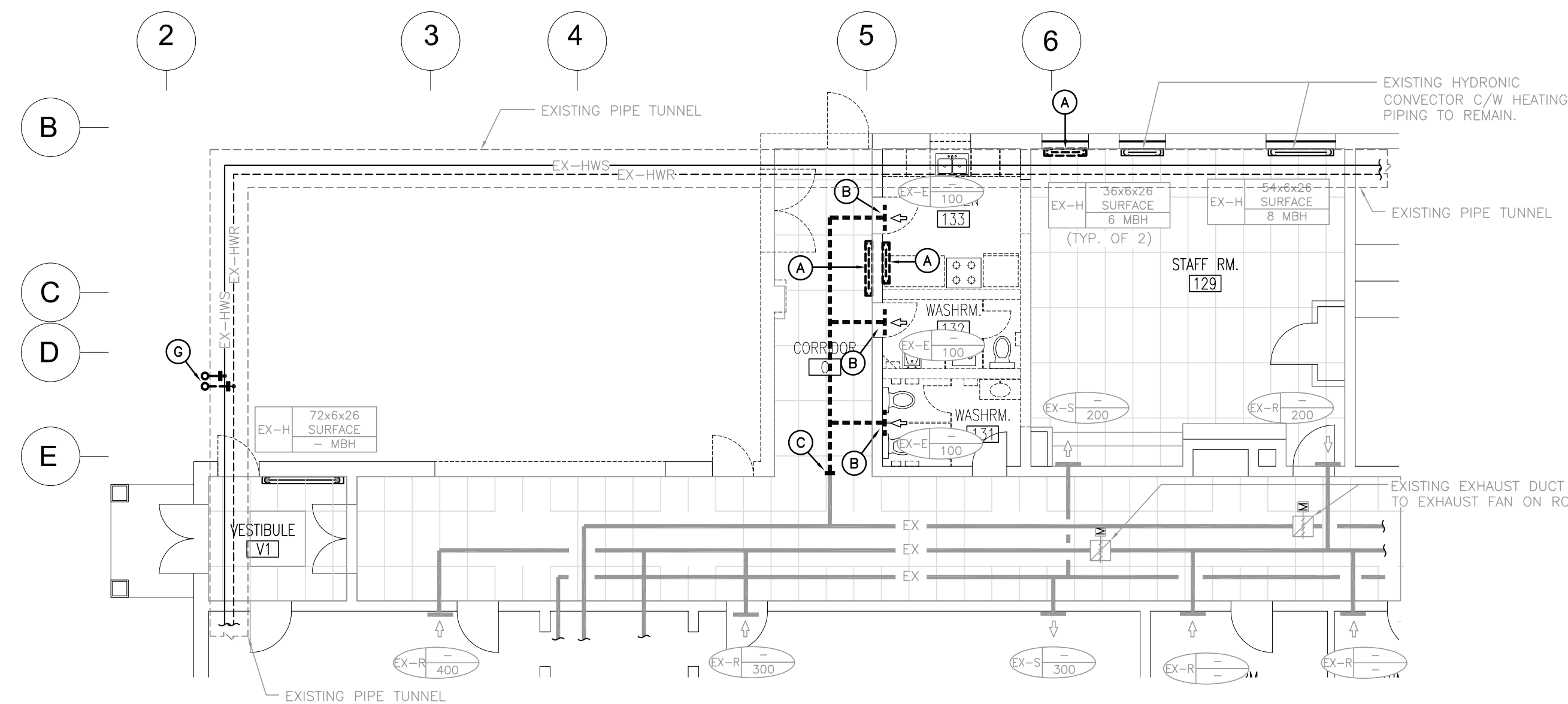
Drawing Title:

**SITE PLAN, LEGEND,
& SCHEDULES**

Scale: AS NOTED	Date: APR 2024
Drawn by: IE	Checked by: MW
Job No. 2314	Drawing No. M101



GROUND FLOOR PART PLAN - PLUMBING DEMOLITION
SCALE: 1:100



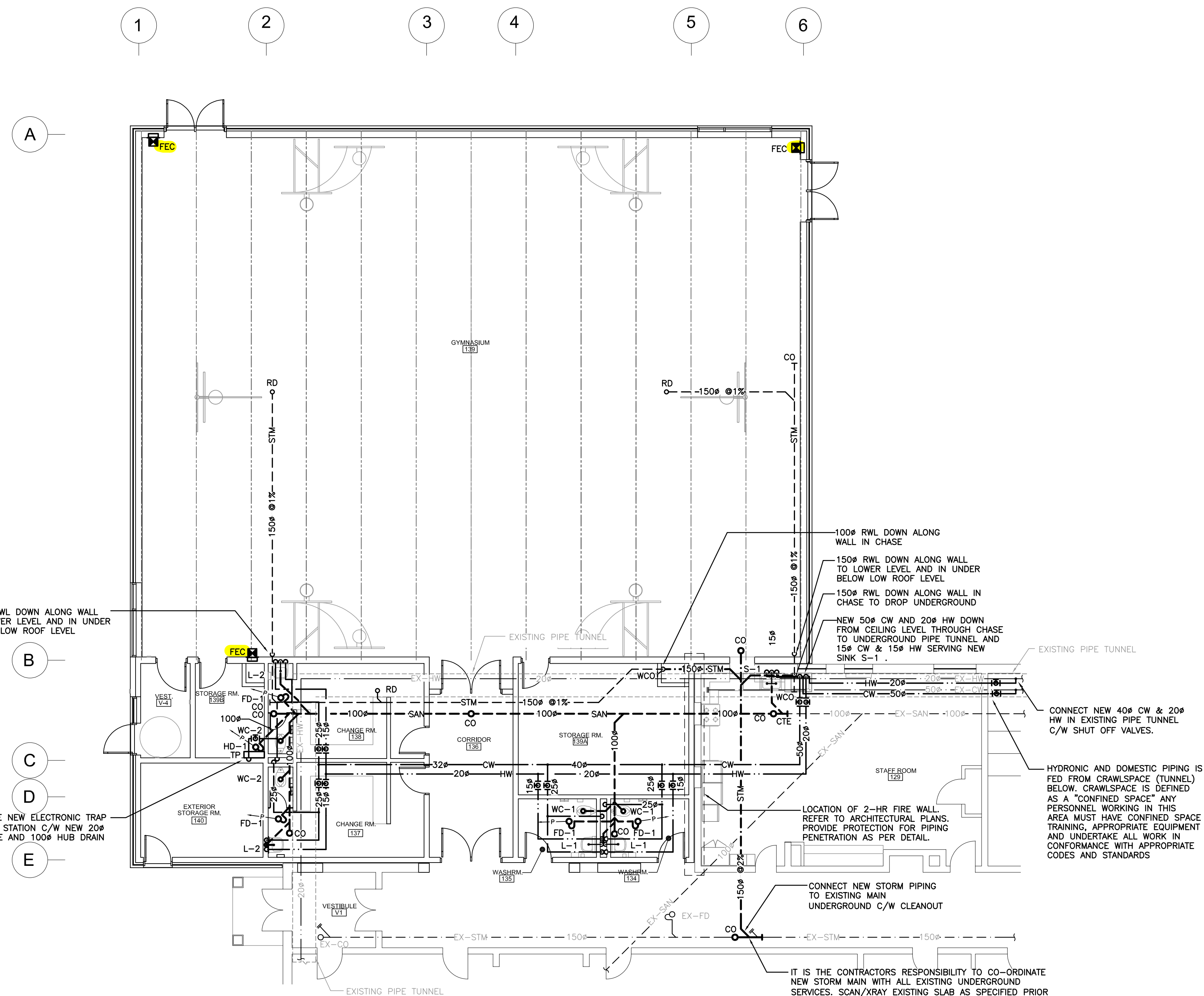
GROUND FLOOR PART PLAN - HVAC DEMOLITION
SCALE: 1:100

GENERAL DEMOLITION NOTES

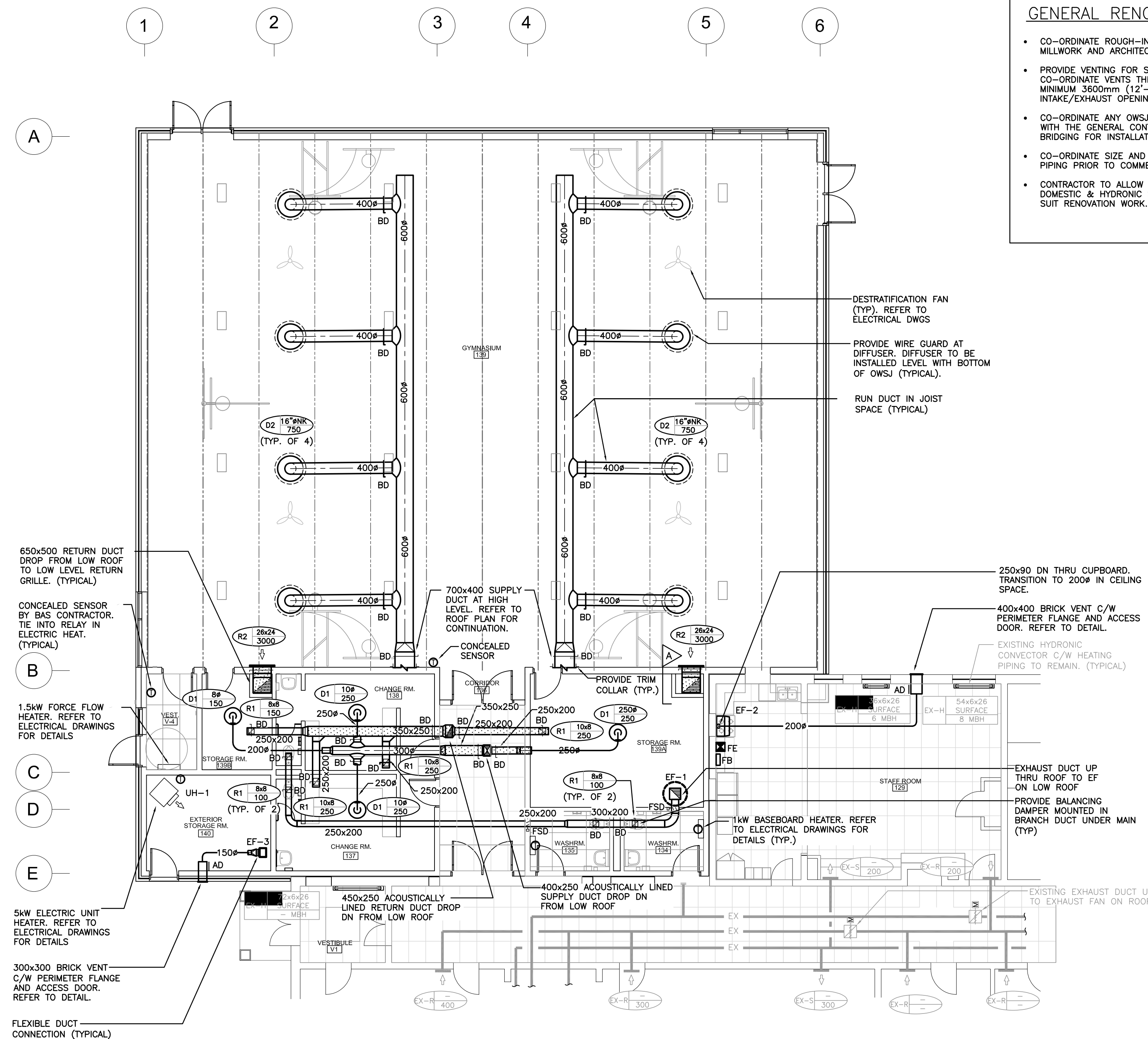
- EXISTING MECHANICAL ITEMS NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
- EXISTING MECHANICAL ITEMS SHOWN BUT NOT NOTED AS BEING REMOVED OR RENOVATED SHALL REMAIN AS PRESENTLY INSTALLED AND OPERATING.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ON SITE ALL LOCATIONS AND SIZES OF ALL SERVICES & EQUIPMENT PRIOR TO THE COMMENCEMENT OF WORK.
- ALL OPENINGS THAT RESULT FROM THE REMOVAL OF EQUIPMENT OR SERVICES SHALL BE NEATLY PATCHED WITH SUITABLE NEW MATERIALS TO SUIT EXISTING CONSTRUCTION.
- PLUMBING VENTS ARE NOT INDICATED OR IDENTIFIED. REMOVE ALL REDUNDANT VENTS WHILE MAINTAINING INTEGRITY OF EXISTING SYSTEMS TO REMAIN.
- REMOVAL OF EXISTING PIPING, OR DUCT SYSTEMS INCLUDES REMOVAL OF ALL HANGERS, INSULATION, FITTINGS, ETC.
- MAINTAIN INTEGRITY OF EXISTING SYSTEMS THAT ARE TO REMAIN OR BE MODIFIED.
- INSTALL NEW SYSTEM OR SERVICES WHERE REQUIRED TO MAINTAIN SYSTEM OPERATION PRIOR TO DEMOLITION OF EXISTING SERVICES.
- THIS CONTRACTOR IS TO REMOVE & REPLACE CEILING AS REQUIRED FOR REMOVAL/REPLACEMENT OF SERVICES.
- CONTRACTOR TO ALLOW FOR DRAINING AND DISPOSING OF ENTIRE SCHOOL DOMESTIC & HYDRONIC SYSTEMS (OR PIPE FREEZING AS REQUIRED) TO SUIT RENOVATION WORK.

SPECIFIC DEMOLITION NOTES

- REMOVE EXISTING HYDRONIC CONNECTOR C/W HEATING PIPING AND CAP HEATING PIPING AT MAIN BELOW FLOOR AND INTIL HOLES.
- REMOVE EXISTING EXHAUST GRILLE C/W BRANCH DUCT AND CAP AT MAIN.
- REMOVE EXISTING EXHAUST DUCT BEYOND AND CAP AT MAIN.
- REMOVE EXISTING PLUMBING FIXTURE COMPLETE WITH ASSOCIATED WATER, DRAIN AND VENT PIPING. CAP EXISTING PIPING AT MAIN.
- REMOVE EXISTING ABANDONED WATER AND DRAIN PIPING FROM PREVIOUS PLUMBING FIXTURE. REMOVE, CAP PIPING WITH-IN TUNNEL.
- REMOVE EXISTING STORM PIPING AND CAP AT MAIN UNDERGROUND.
- REMOVE EXISTING ABANDONED HEATING PIPING FROM PREVIOUS HEATER. REMOVE, CAP PIPING WITH-IN TUNNEL.
- APPROXIMATE LOCATION OF EXISTING PIPING TUNNEL. CONTRACTOR TO CONFIRM EXACT SIZE, ROUTE, LOCATION & INVERT ON SITE. CONTRACTOR TO COORDINATE LOCATION WITH GC AND ENSURE TUNNEL IS PROTECTED DURING CONSTRUCTION.
- APPROXIMATE LOCATION OF EXISTING STORM & SANITARY MAINS. CONTRACTOR TO CONFIRM EXACT SIZE, ROUTE, LOCATION & INVERT ON SITE (XRAY, SCAN AND CAMERA DRAWN AS REQUIRED). TYPICAL ALL STORM AND SANITARY MAINS.



GROUND FLOOR PART PLAN - PLUMBING RENOVATION
SCALE: 1:100



GROUND FLOOR PART PLAN - HVAC RENOVATION
SCALE: 1:100

GENERAL RENOVATION NOTES

- CO-ORDINATE ROUGH-IN AND MOUNTING HEIGHTS OF FIXTURES WITH MILLWORK AND ARCHITECTURAL DETAILS.
- PROVIDE VENTING FOR SANITARY FIXTURES TO OBC REQUIREMENTS. CO-ORDINATE VENTS THRU ROOF WITH GENERAL CONTRACTOR. MAINTAIN MINIMUM 3600mm (12'-0") BETWEEN SANITARY VENT AND ALL AIR INTAKE/EXHAUST OPENINGS.
- CO-ORDINATE ANY OWSJ BRIDGING RELOCATION OR REMOVAL/REPLACEMENT WITH THE GENERAL CONTRACTOR. PAY ALL COSTS REQUIRED TO MODIFY BRIDGING FOR INSTALLATION OF DUCTWORK.
- CO-ORDINATE SIZE AND LOCATION OF EXISTING SANITARY AND DOMESTIC PIPING PRIOR TO COMMENCING WORK.
- CONTRACTOR TO ALLOW FOR DRAINING AND DISPOSING OF ENTIRE SCHOOL DOMESTIC & HYDRONIC SYSTEMS (OR PIPE FREEZING AS REQUIRED) TO SUIT RENOVATION WORK.



Project North True North

No. Revisions Date

4 ISSUED FOR TENDER 2024.04.30

3 ISSUED FOR PERMIT 2024.04.19

2 ISSUED FOR SPA SUBMISSION 2024.02.27

1 ISSUED FOR SPA REVIEW SET 2024.02.06

No Revision Date



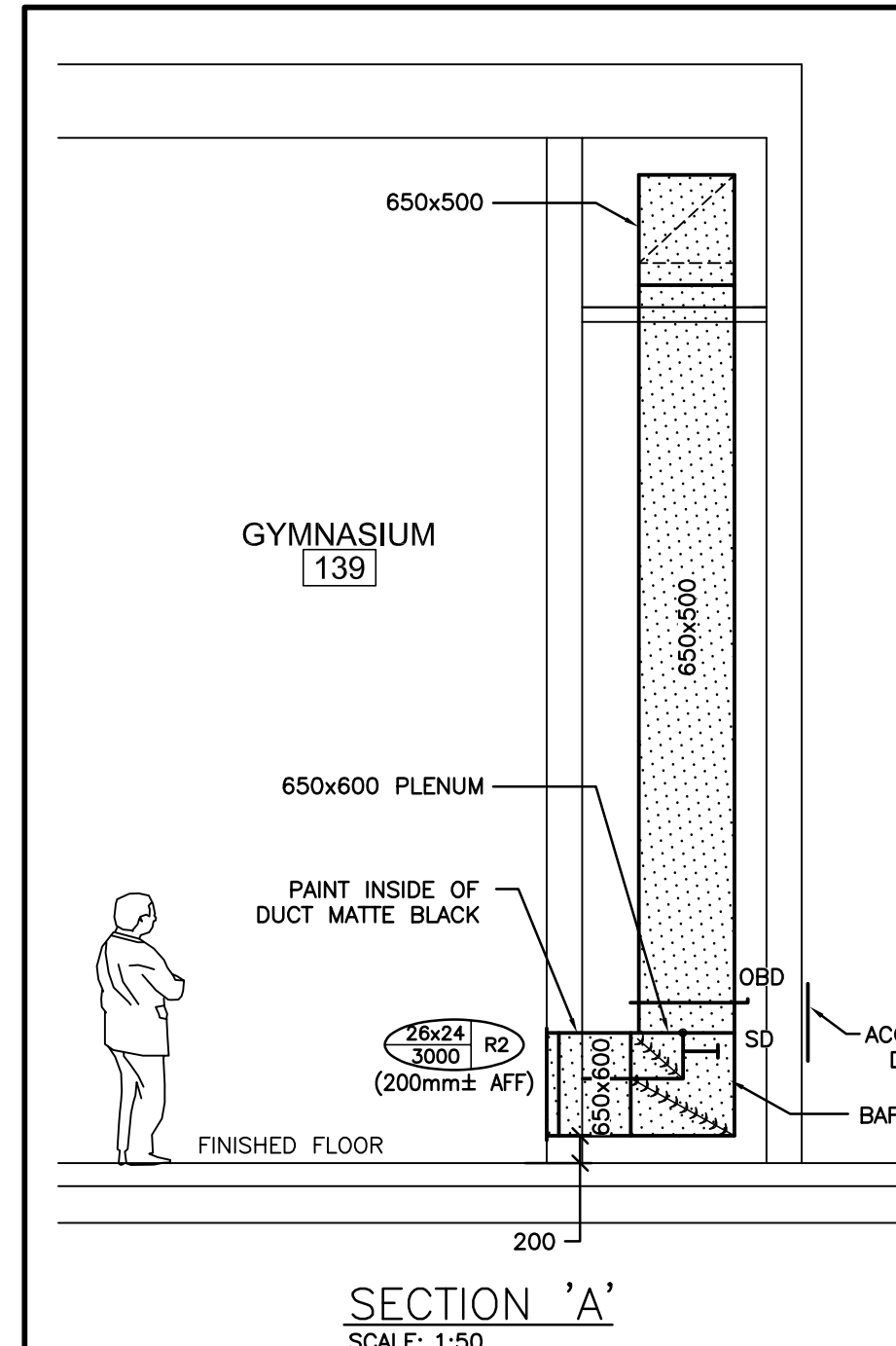
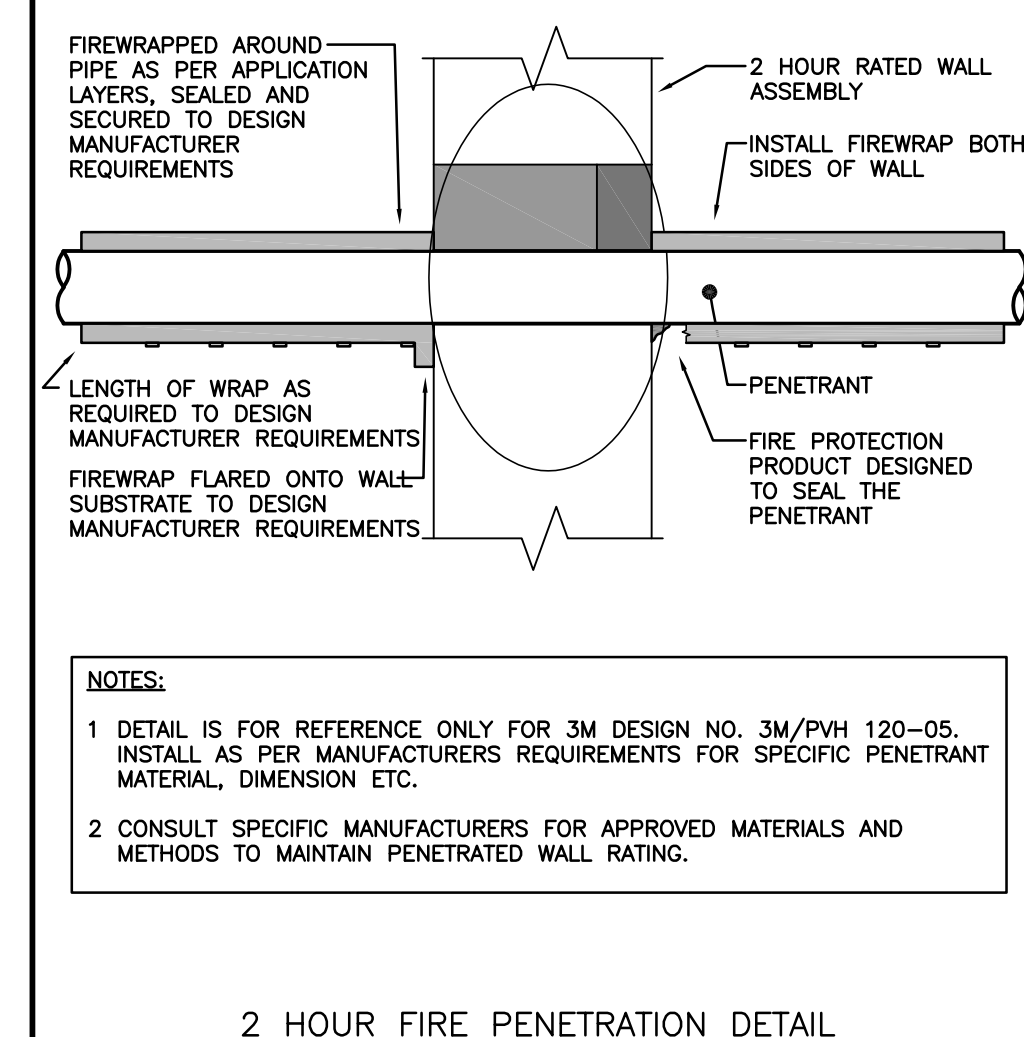
GROUND FLOOR DEMOLITION & RENOVATION DRAWINGS

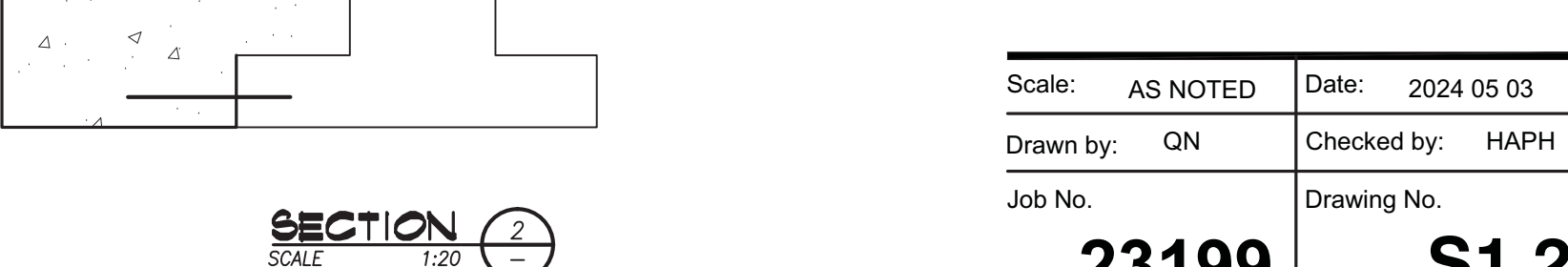
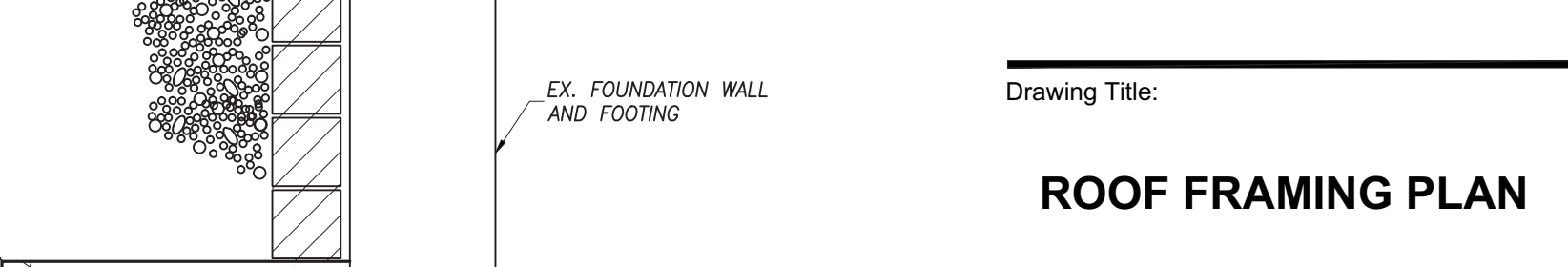
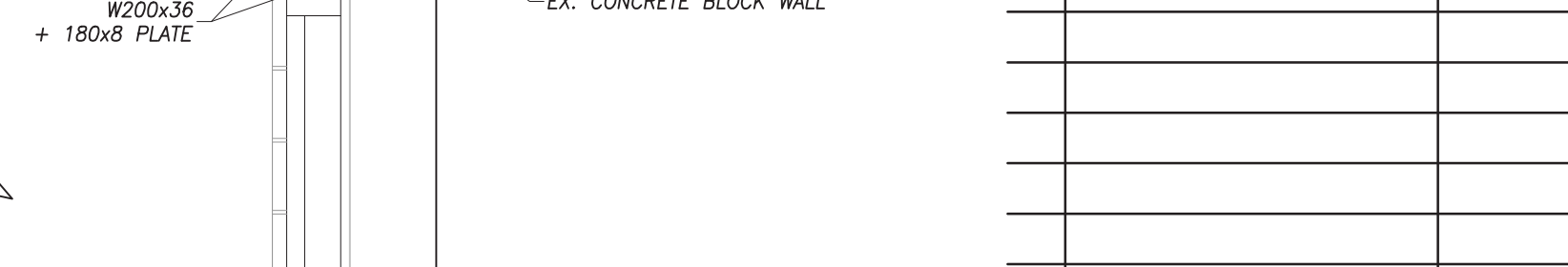
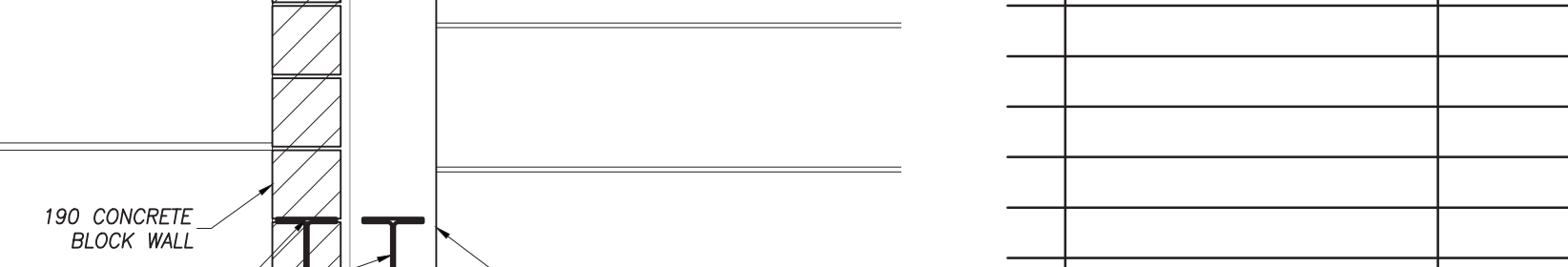
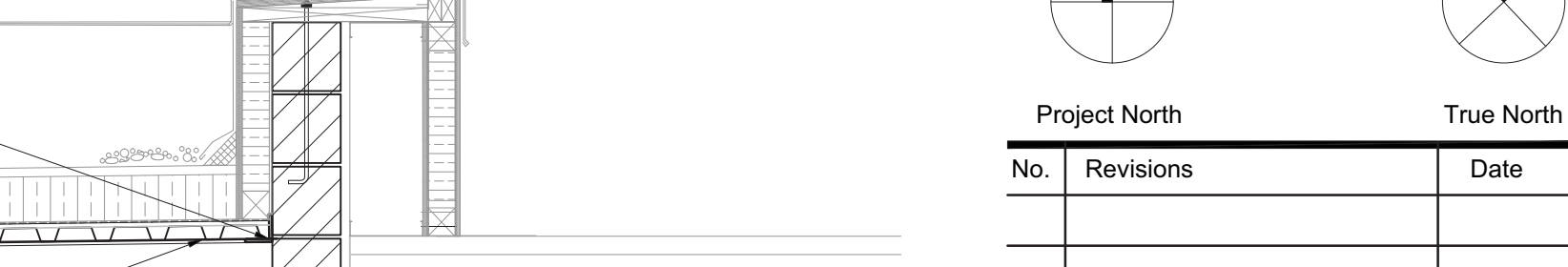
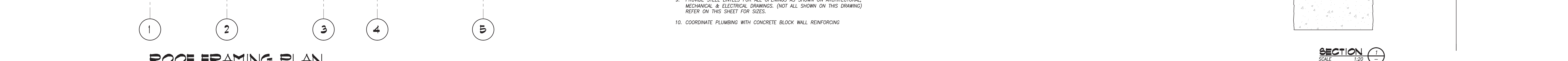
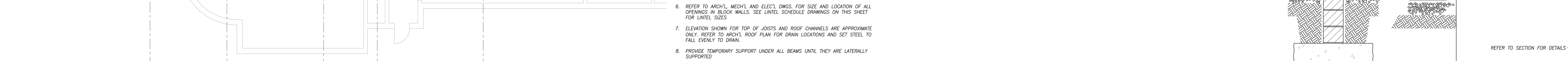
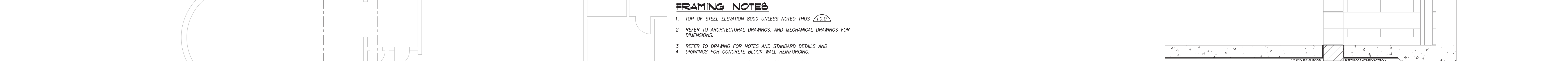
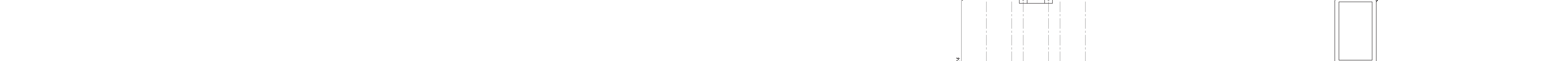
Scale: AS NOTED Date: APR 2024

Drawn by: XX Checked by: XX

Job No. Drawing No.

2314 M102







**Glenview Public School
143 Townsend Avenue
Burlington, ON**

Structural Addendum No. 1

May 23, 2024

The following amendments/clarifications to the Tender Documents are considered to form part of this Tender.

No consideration will be given for extras and/or changes due to the Bidder not being familiar with the contents of this Addendum.

The following Addendum has been issued to make clarifications, revisions, additions and/or deletions to the various areas of the Request for Tender.

This addendum shall be incorporated in the specifications and drawings and shall form part of the contract documents:

1. AMENDMENTS TO DOCUMENTS:

A. Drawing S1.1

- a. Remove and replace existing concrete slab on grade to suit new plumbing connection in existing corridor adjacent to Staff Room. Refer to slab on grade repair detail on SK-S1.

B. Drawing S1.2:

- a. Provide engineered shoring for the existing wall removals along GL E.
- b. Provide engineering shoring for the demolition of the existing structure at the Corridor/Kitchen/Washroom adjacent to the Staff Room. Neatly sawcut and isolate the structure to be demolished from the existing structure to remain. The structure to be demolished shall be full removed including foundations.
- c. Revise girt to support curtain wall along GL A between 1 & 6 from W200x27 to W200x150x7.9.
- d. Revise the three S.L.'s, one along GL 1 between A & B, one along GL A between 1 & 6 and one along 6 between A & B to S.L. 1. Refer to SK-S1.
- e. Provide additional 2-20M full height grouted solid along GL A between 1 & 6 adjacent to each high window opening.

- f. Provide minimum 400 concrete block reinforced with 2-20M grouted solid adjacent to door 139B and 139A.
- g. OWSJ supplier to coordinate duct locations with web members to accommodate the duct within the depth of the joist.
- h. Provide typical framing for RTU support and all opening in roof deck per the Typical Roof Top HVAC Unit Framing detail on S1.2.
- i. Provide supplemental structure to support roof screen. Provide additional W310x39 to support roof screen. Extend bearing on 3 – W310x39 to exterior face of wall complete with 400x175x19 bearing plate with 19 diameter x 600 long bolts. Provide C150x12 blocking between W310x39 at post locations. Provide 5 stub posts HSS152x152x6.4 complete with 325x325x19 cap plate (coordinate hole pattern with roof screen supplier) welded to top of W310x39. Provide 2-12x125 stiffeners in W310 at post locations. Provide engineered roof screen system complete with shop drawings to mount to stub columns.

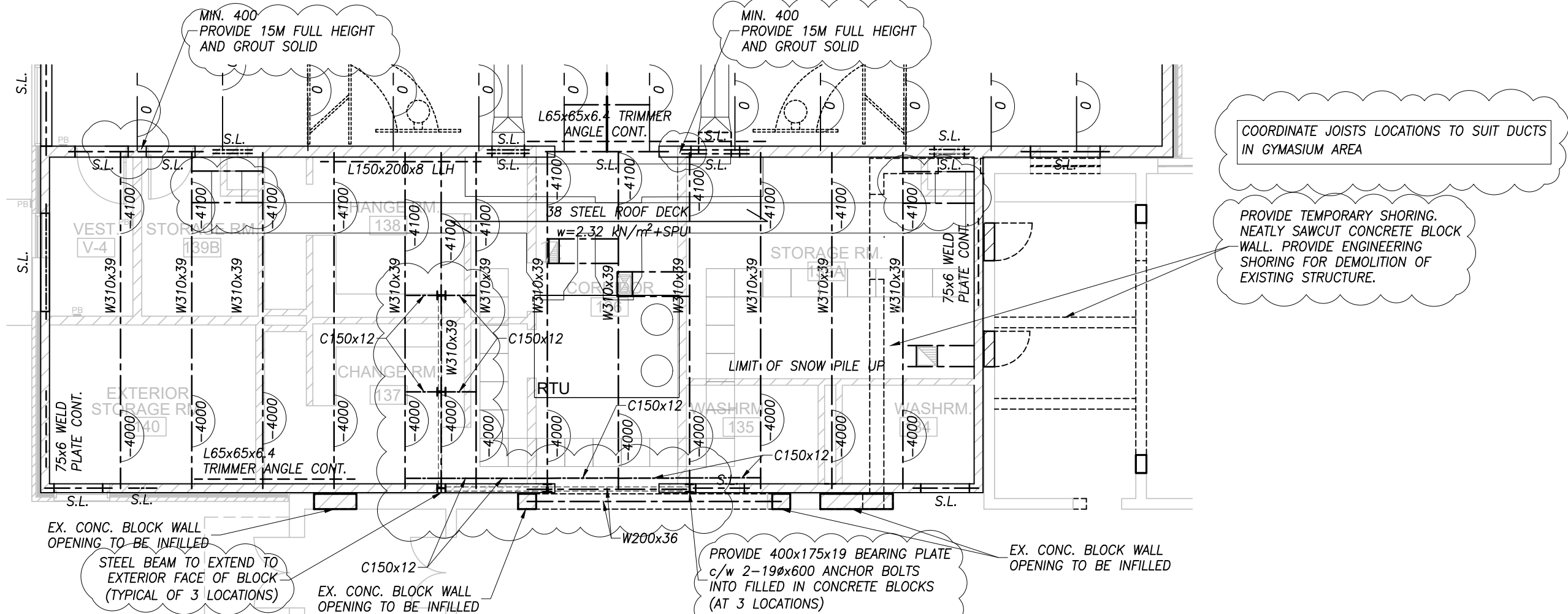
2. ATTACHMENTS TO THIS DOCUMENT:

- Drawings SK-S1

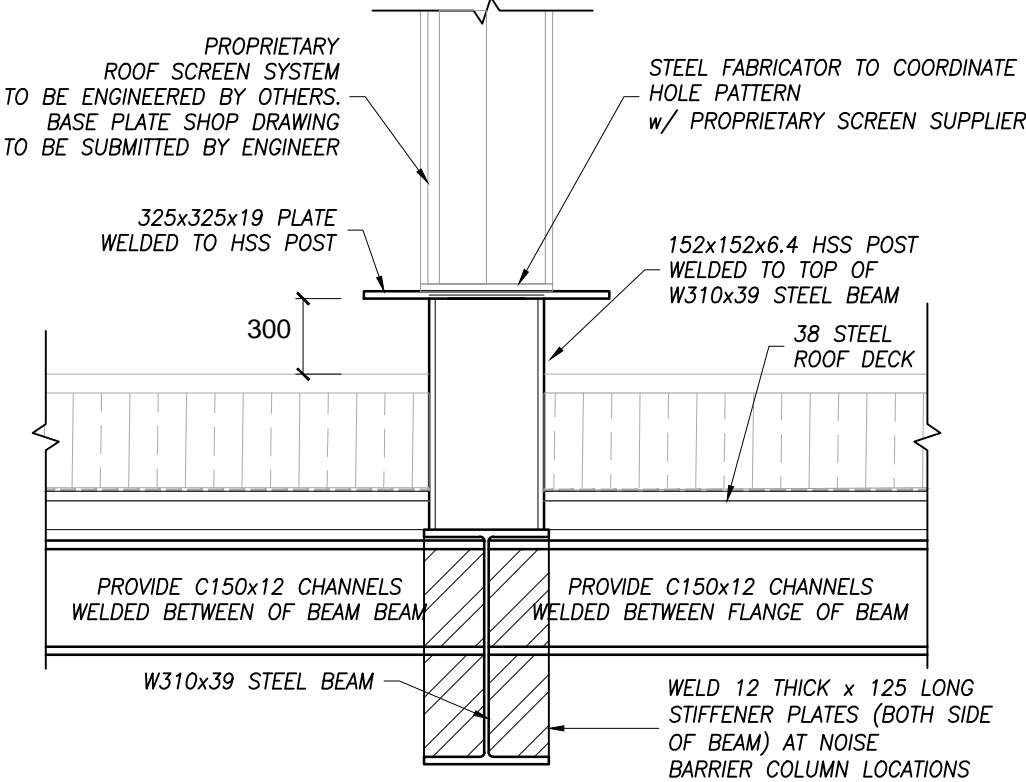
Sincerely,

Per: JP Campana, P. Eng.
Kalos Engineering Inc.

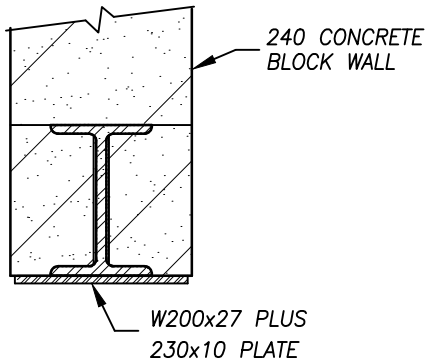
PLOT DATE: 2024/05/23 6:25 PM



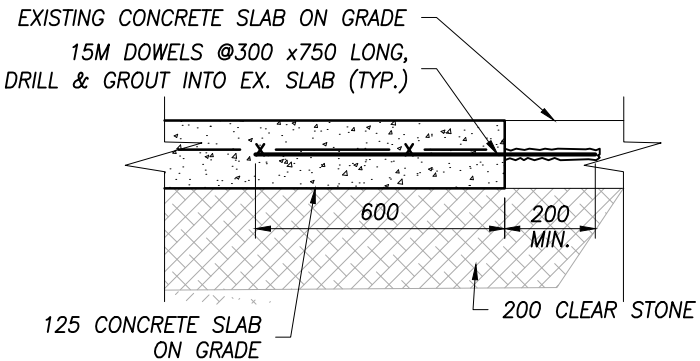
ROOF FRAMING PLAN
SCALE 1:100



TYPICAL ROOF SCREEN DETAIL
SCALE 1:10



S.L. -1
SCALE 1:10



**TYPICAL SLAB
CONNECTION DETAIL**
NOT TO SCALE

1	24/05/23	ISSUED FOR ADDENDUM
No.	DATE	REVISION
REVISIONS		
		
300 YORK BLVD HAMILTON, ONTARIO L8R 3K6 905-333-9119		
GLENVIEW PS		
143 TOWNSEND AVENUE BURLINGTON ONTARIO		
FRAMING PLAN		
DATE MAY 2024	DRAWN BY Q.N.	DRAWING No. SK-S1
PROJECT No. 23199	CHECKED BY J.P.C.	