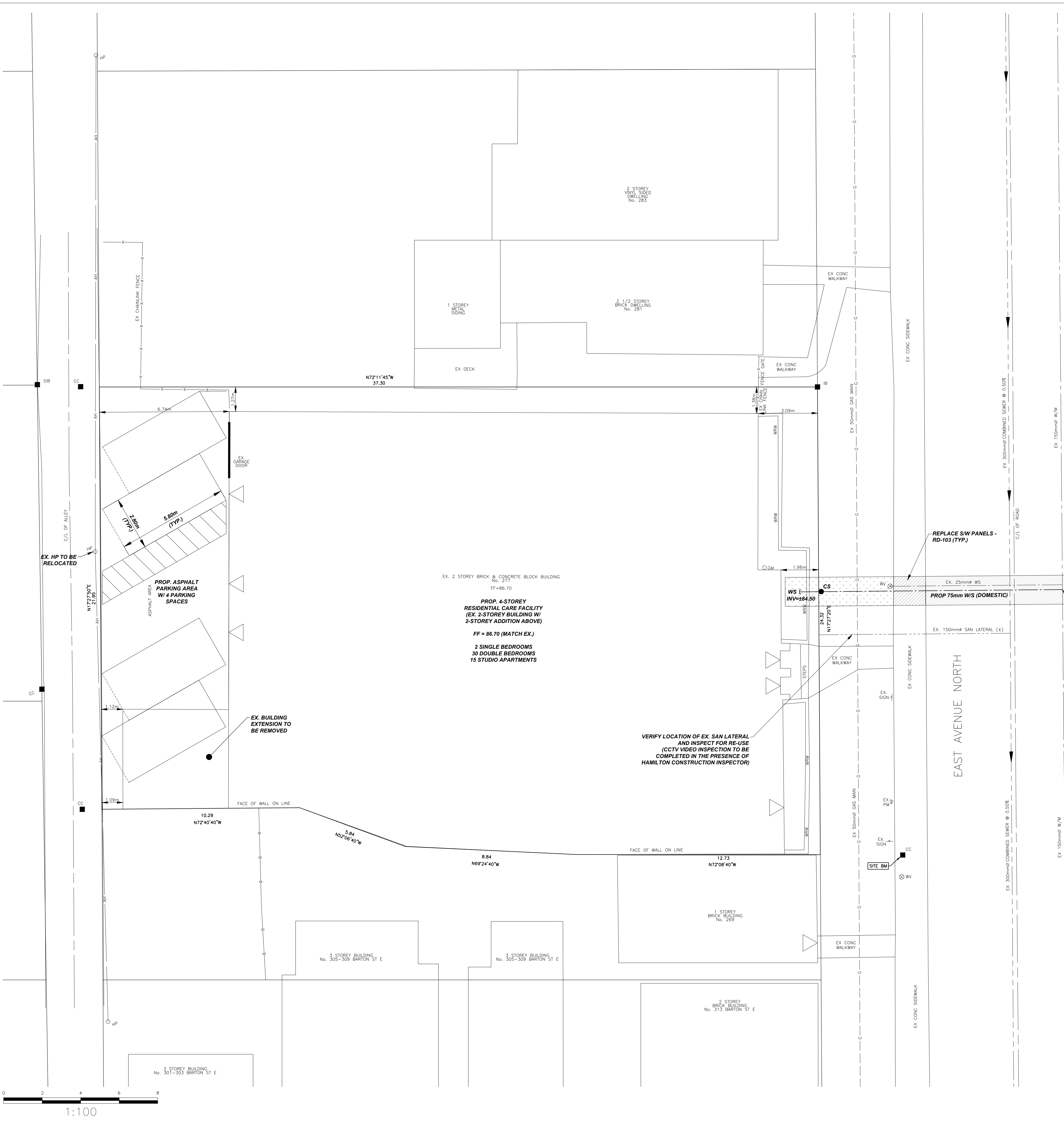




LEGEND

○ SAN	EXISTING SANITARY MAINTENANCE HOLE	---	EXISTING SANITARY SEWER
● SAN	PROPOSED SANITARY MAINTENANCE HOLE	---	PROPOSED SANITARY SERVICE
□ PLUG	PROPOSED PLUG	---	EXISTING WATERMAIN
○ STM MH	EXISTING STORM MAINTENANCE HOLE	---	PROPOSED WATER SERVICE
● STM MH	PROPOSED STORM MAINTENANCE HOLE	---	EXISTING STORM SEWER
□ CB	EXISTING CATCH BASIN	---	PROPOSED STORM SERVICE
■ CB	PROPOSED CATCH BASIN	---	PROPOSED SILT FENCE
■ CB	PROPOSED CATCH BASIN W/ SILT SACK		ROADWAY RESTORATION
⊗ WV	EXISTING WATER VALVE		BOULEVARD RESTORATION
● CS	PROPOSED CURB STOP		
○ HP	EXISTING HYDRO POLE		
○ GM	EXISTING GAS METER		
□ BF	PROPOSED BACK-FLOW PREVENTION DEVICE		
□ WM	PROPOSED WATER METER		
□ SP	PROPOSED SUMP PUMP		

ROADWAY RESTORATION
BOULEVARD RESTORATION
PIPE CROSSING LOCATION

STANDARD NOTES

A. PRIVATE DRAINS

- CONSTRUCTION OF PRIVATE DRAINS SHALL BE IN ACCORDANCE WITH CITY STANDARDS AND SPECIFICATIONS (LATEST EDITION) AND THE MINISTRY OF THE ENVIRONMENT GUIDELINES (LATEST EDITION).
- TO BE LOCATED AS INDICATED ON THE FACE OF THE PLAN.
- 150MM SANITARY PRIVATE DRAINS SHALL BE PVC PIPE CSA B182.1 M-1983, SDR-28 AS PER FORM 50 (ANY COLOR OTHER THAN WHITE). WOOD MARKING AT THE END OF THE SANITARY PRIVATE DRAIN SHALL BE PAINTED RED.
- COVER AND BEDDING MATERIAL FOR PRIVATE DRAINS SHALL BE GRANULAR 'A' INSTALLED AS PER OPSD 802.010 OR 802.013.
- MINIMUM FALL FOR PRIVATE DRAINS SHALL BE 2.0% SLOPE.
- TOP OF PRIVATE DRAINS AT STREET LINE SHALL BE IN ACCORDANCE WITH THE INVERT ELEVATION INDICATED ON THE PLAN AT THE BUILDING FACE, LESS SLOPE TO STREET LINE AT 2%.
- PRIVATE DRAIN CONNECTIONS TO THE MUNICIPAL SEWER SHALL BE AS PER CITY STANDARD DRAWING SEW-300.
- FOR RE-USE OF EX. PRIVATE DRAIN, VERIFY LOCATION OF EX. SAN. LATERAL AND INSPECT FOR RE-USE (CCTV AND VIDEO INSPECTION) TO BE COMPLETED IN THE PRESENCE OF A CITY OF HAMILTON CONSTRUCTION INSPECTOR.

B. WATER SERVICES

- CONSTRUCTION OF PRIVATE WATER SERVICES SHALL BE IN ACCORDANCE WITH CITY STANDARDS AND SPECIFICATIONS (LATEST EDITION) AND THE MINISTRY OF THE ENVIRONMENT GUIDELINES (LATEST EDITION).
- WATER SERVICE CONNECTION SHALL BE AS PER CUT-IN TEE COMPLETE WITH ANCHOR BLOCK TO CITY OF HAMILTON STANDARD WM 204.01 - WITH CURB-STOP IMMEDIATELY ADJACENT TO THE STREET LINE.
- GRANULAR BEDDING AS PER WM-200.01 AND WM-200.02 TO BE GRANULAR 'D' AS PER FORM 600.
- VALVE BOXES TO BE CONSTRUCTED AT PROPERTY LIMIT AS PER WM-202.

C. SURFACE WORKS

- CONCRETE CURBS AND GUTTERS SHALL BE AS PER OPSD 600.110, CONCRETE MUST HAVE MIN 30 MPA 28-DAY STRENGTH.
- CURB DEPRESSIONS AT DRIVEWAYS SHALL BE AS PER OPSD 600.110 AND OPSD 351.010.
- 1.5M CONCRETE SIDEWALK AS PER HAMILTON STANDARD DRAWING RD-103 (125MM THICKNESS, MIN. 30 MPA STRENGTH WITH GRANULAR 'A' BASE AS REQUIRED TO PROVIDE A LEVELING COURSE FOR THE CONCRETE. AT DRIVEWAYS CONCRETE DEPTH TO BE 175MM).
- DRIVE AISLE SHALL CONSIST OF A MINIMUM OF 300MM GRANULAR 'B', 150MM GRANULAR 'A', 60MM HL8 & 40MM HL3. CONSTRUCTED ABOVE SUB-GRADE MATERIAL COMPACTED TO 100% SPD.
- PARKING AREAS SHALL CONSIST OF A MINIMUM OF 300MM GRANULAR 'A' AND 60MM HL3, CONSTRUCTED ABOVE SUB-GRADE MATERIAL COMPACTED TO 100% SPD.
- ROAD RESTORATION WITHIN CUTS FOR SERVICE INSTALLATIONS SHALL BE AS PER RD-100.01. GRANULAR 'A' SHALL BE USED TO MATCH EXISTING DEPTH OF GRANULAR WITHIN ROADWAY.
- ASPHALT RESTORATION WITHIN THE MUNICIPAL ROAD SHALL INCLUDE BASE COURSE OF 80MM SUPERPAVE 19.0 AND TOP COURSE OF 40MM SUPERPAVE 9.5 (TRAFFIC CATEGORY C), PG 58-18 ASPHALT CEMENT.
- BOULEVARD AREAS DISTURBED BY CONSTRUCTION SHALL BE RESTORED WITH MIN. 100MM DEPTH TOPSOIL AND SOD.

D. COMPACTION REQUIREMENTS

- ALL BEDDING AND BACKFILL MATERIAL, ROAD SUB-GRADES AND GENERALLY ALL MATERIAL USED FOR LOT GRADING, FILL SECTIONS ETC. SHALL BE COMPACTED TO MINIMUM 100% SPD UNLESS OTHERWISE RECOMMENDED BY A GEOTECHNICAL ENGINEER.
- ALL MATERIALS SHALL BE PLACED IN LIFTS NOT EXCEEDING 300MM IN DEPTH.
- ALL GRANULAR ROAD BASE MATERIALS SHALL BE COMPACTED TO 100% SPD.

E. SILTATION AND EROSION CONTROL

- SILTATION CONTROL BARRIERS SHALL BE PLACED AS DETAILED ON THE PLAN ACCORDING TO OPSD 219.110.
- ALL SILTATION CONTROL MEASURES SHALL BE CLEANED AND MAINTAINED AFTER EACH RAINFALL EVENT TO THE SATISFACTION OF THE CITY OF HAMILTON.
- CATCH BASIN SEDIMENT CONTROL DEVICES SHALL BE SILT SACK BY ACT ENVIRONMENTAL OR APPROVED EQUIVALENT, TO BE PLACED AS PER THE MANUFACTURER'S RECOMMENDATIONS (IF APPLICABLE).
- ADDITIONAL SILTATION CONTROL MEASURES MAY BE REQUIRED AS PER FIELD CONDITIONS AS DETERMINED BY THE CITY.

ROOFWATER LEADERS / SUMP PUMPS

ALL ROOFWATER LEADERS SHALL DISCHARGE ONTO SPLASH PADS AND THEN TO GRASSED OR LANDSCAPED AREAS A MIN. OF 0.6M FROM THE BUILDING FACE.

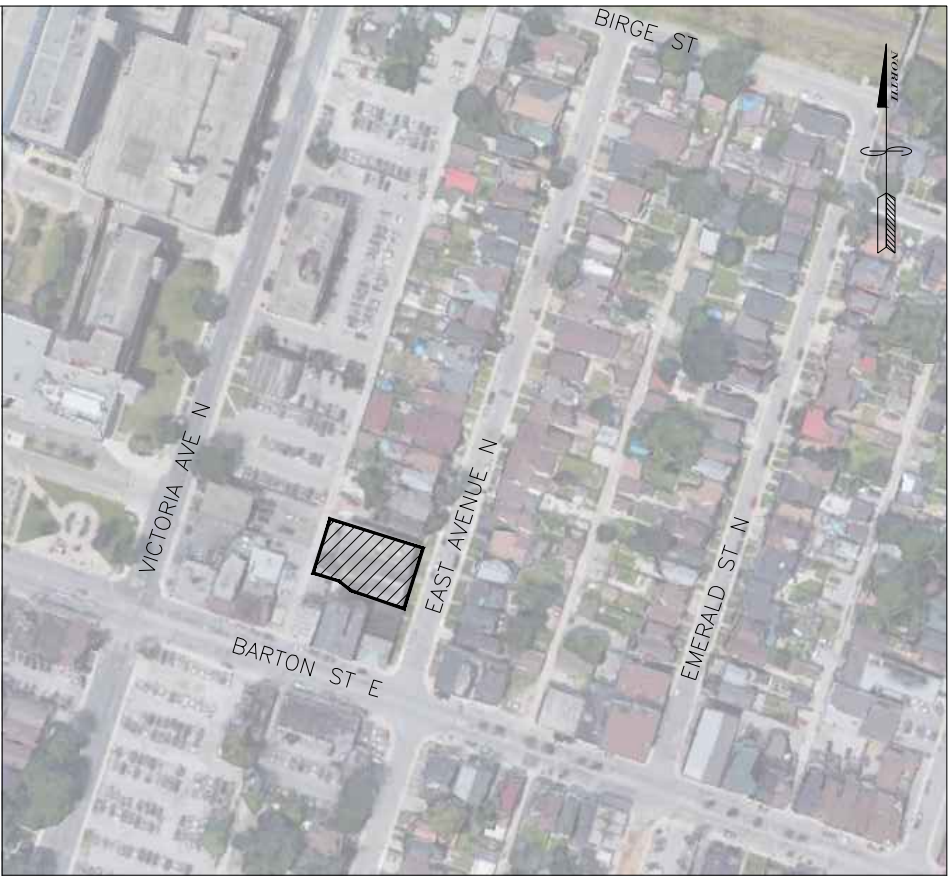
SUMP PUMPS WITH CHECK VALVES ARE TO BE INSTALLED IN EACH DWELLING TO PUMP THE WEERING TILES TO THE STORM PRIVATE DRAIN. THE SUMP OUTLET SHALL EXTEND A MINIMUM OF 150mm ABOVE THE PROPOSED GRADE AT THE DWELLING (BASEMENT CEILING) PRIOR TO DISCHARGING TO THE STORM PRIVATE DRAIN.

FOUNDATION DRAINS

WEERING TILES SHALL DRAIN TO SUMP PIT AND BE PUMPED TO STORM SEWER VIA PUMP SUMP WITH BACK-FLOW PREVENTOR (SEE DETAIL). MIN 1/2 HP PUMP WITH BACK-UP POWER REQUIRED.

NOTES:

- LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE AND MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
- ANY DISCREPANCIES BETWEEN SERVICE LOCATIONS AND THESE ENGINEERING DRAWINGS MUST BE BROUGHT TO THE ATTENTION OF THE PROJECT ENGINEER.



KEY PLAN

N.T.S.

BENCHMARK NOTE:

ELEVATION = 83.715 (CVD-1928)

MONUMENT: 0011922U405

HAMILTON-WENTWORTH IRON PIPE WITH BRASS CAP BELOW SIDEWALK, UNDER HAMILTON WATER WORKS COVER AT NORTHWEST CORNER OF WELLINGTON STREET AND BARTON STREET.

SITE BENCHMARK :

ELEVATION = 85.86m

CUT-CROSS IN SIDEWALK ON EAST AVE N, LOCATED TO THE EAST OF THE SITE, AS INDICATED ON THE PLAN.

GENERAL NOTES:

- TENDERER SHALL SATISFY THEMSELVES AS TO THE NATURE OF THE GROUND AND BID ACCORDINGLY.
- ALL ROCK LINE INDICATIONS SHOWN ON THE PLAN MUST BE VERIFIED BY THE CONTRACTOR.
- CONTRACTOR SHALL VERIFY LOCATIONS AND INVERTS OF ALL EXISTING SANITARY AND STORM SEWERS AND WATERMANS, PRIVATE DRAINS AND WATER SERVICES, GAS MAINS, CABLE TV, HYDRO AND TELEPHONE DUCTS ETC AT START OF CONSTRUCTION.

0	2025-11-26	FIRST SUBMISSION
NO:	DATE:	DESCRIPTION:

REVISIONS

SEAL

PROVINCE OF ONTARIO

A.P. SMITH

100193971

2025-11-26

LandSmith

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289-309-3632

CLIENT:

WAYSIDE HOUSE OF HAMILTON

MUNICIPALITY:

CITY OF HAMILTON

PROJECT NAME:

277 EAST AVENUE

TITLE:

SERVICING PLAN

SCALE:	1:100	DATE:	2025-06-04
CHECKED BY:	AS	DESIGNED BY:	OJ
DWG No:	25040Whh	SHEET No:	S1