# Toronto Transit Commission

## Sheppard Station
## Station Managers Office and Zone Hub

Issued: August, 2019

Toronto Transit Commission
Jaye Robinson, Chair

Richard J. Leary, Chief Executive Officer
Susan Reed Tanaka, Chief Capital Officer – Engineering, Construction and Expansion Group

**Issued for Construction**

**Contract SH35-8**

CADD FILE NAME: NOR 2s dlist.dgn

| SHEET | DRAWING No. | REV. | DRAWING TITLE |
|---|---|---|---|
| CONTRACT DRAWING SHEETS | | | |
| 000 | COVER SHEET | | |
| | GENERAL | | |
| 001 | SH35-8-G001 | | DRAWING LIST |
| 002 | SH35-8-G002 | | ABBREVIATIONS |
| 003 | SH35-8-G003 | | LEGEND, SYMBOLS; & GENERAL NOTES |
| 004 | SH35-8-G004 | | WALL TYPES SCHEDULE |
| 005 | SH35-8-G005 | | BUILDING CODE MATRIX |
| 006 | NOT USED | | |
| | ARCHITECTURAL | | |
| 007 | SH35-8-A150 | | KEY PLAN; STREET LEVEL |
| 008 | SH35-8-A151 | | KEY PLAN; CONCOURSE LEVEL |
| 009 | SH35-8-A152 | | KEY PLAN; CONCOURSE/PLATFORM LEVEL |
| 010 | SH35-8-AS01 | | HOARDING AND STAGING PLAN; CONCOURSE LEVEL |
| 011 | SH35-8-AD01 | | DEMOLITION FLOOR PLAN; CONCOURSE LEVEL |
| 012 | SH35-8-AD02 | | REFLECTED CEILING DEMOLITION PLAN; CONCOURSE LEVEL |
| 013 | SH35-8-AF01 | | FIRE SEPARATION PLAN; CONCOURSE LEVEL |
| 014 | SH35-8-AF02 | | EXIT ROUTING; CONCOURSE LEVEL |
| 015 | SH35-8-A200 | | FLOOR PLAN; CONCOURSE LEVEL |
| 016 | SH35-8-A300 | | REFLECTED CEILING PLAN; CONCOURSE LEVEL |
| 017 | SH35-8-A301 | | FLOOR FINISH PLAN; CONCOURSE LEVEL |
| 018 | SH35-8-A400 | | INTERIOR ELEVATIONS |
| 019 | NOT USED | | |
| 020 | SH35-8-A500 | | SECTION |
| 021 | SH35-8-A800 | | PLAN DETAILS |
| 022 | SH35-8-A801 | | SECTION DETAILS |
| 022A | SH35-8-A802 | | MISCELLANEOUS DETAILS |
| 023 | SH35-8-A900 | | SCHEDULES; DOOR & ROOM FINISHES |
| | STRUCTURAL | | |
| 024 | SH35-8-S001 | | GENERAL NOTES |
| 025 | SH35-8-S002 | | TYPICAL DETAILS |
| 026 | SH35-8-S200 | | FLOOR PLAN; CONCOURSE/PLATFORM LEVEL |
| 027 | SH35-8-S500 | | SECTIONS & DETAILS 01 |
| 027A | SH35-8-S501 | | SECTIONS & DETAILS 02 |
| | MECHANICAL | | |
| 028 | SH35-8-M001 | | MECHANICAL SERVICES; LEGEND & SYMBOLS |
| 028A | SH35-8-M002 | | MECHANICAL SERVICES; PLATFORM KEY PLAN |
| 028B | SH35-8-M003 | | MECHANICAL SERVICES; CONCOURSE/PLATFORM KEY PLAN |
| 029 | SH35-8-M120 | | MECHANICAL SERVICES; PIPING DETAILS |
| 030 | NOT USED | | |
| 031 | SH35-8-M201 | | DRAINAGE PIPING - DEMOLITION & REMOVAL; CONCOURSE LEVEL FLOOR PLAN |
| 032 | SH35-8-M202 | | DRAINAGE PIPING; CONCOURSE LEVEL FLOOR PLAN |
| 033 | SH35-8-M203 | | DRAINAGE PIPING - DEMOLITION & REMOVAL; PLATFORM LEVEL FLOOR PLAN |
| 034 | SH35-8-M204 | | DRAINAGE PIPING; PLATFORM LEVEL FLOOR PLAN |
| 035 | NOT USED | | |
| 036 | NOT USED | | |
| 037 | SH35-8-M303 | | FIRE PROTECTION; CONCOURSE LEVEL FLOOR PLAN |
| 038 | NOT USED | | |
| 039 | SH35-8-M501 | | H.V.A.C. - DEMOLITION & REMOVAL; CONCOURSE LEVEL FLOOR PLAN |
| 040 | SH35-8-M502 | | H.V.A.C.; CONCOURSE LEVEL FLOOR PLANS |
| 041 | SH35-8-M510 | | H.V.A.C.; SECTION & DETAIL |
| 042 | SH35-8-M520 | | H.V.A.C.; DETAILS |
| 043 | SH35-8-M560 | | H.V.A.C.; SCHEDULES |
| | ELECTRICAL | | |
| 044 | SH35-8-E001 | | LEGEND & SYMBOLS; SHEET 1 OF 2 |
| 045 | SH35-8-E002 | | LEGEND & SYMBOLS; SHEET 2 OF 2 |
| 046 | SH35-8-E003 | | KEY PLAN; CONCOURSE LEVEL |
| 047 | SH35-8-E100 | | POWER; SINGLE LINE DIAGRAM |
| 048 | SH35-8-E101 | | POWER DEMOLITION PLAN; CONCOURSE LEVEL |
| 049 | SH35-8-E102 | | POWER PLAN; CONCOURSE LEVEL |
| 050 | SH35-8-E103 | | POWER PLAN; CONCOURSE LEVEL (SWITCHBOARD ROOM) |
| 051 | SH35-8-E200 | | LIGHTING DEMOLITION PLAN; CONCOURSE LEVEL |
| 052 | SH35-8-E201 | | LIGHTING PLAN; CONCOURSE LEVEL |
| 053 | SH35-8-E500 | | FIRE ALARM DEMOLITION PLAN; CONCOURSE LEVEL |
| 054 | SH35-8-E501 | | FIRE ALARM PLAN; CONCOURSE LEVEL |
| 055 | SH35-8-E600 | | TELEPHONE & DATA DEMOLITION PLAN; CONCOURSE LEVEL |
| 056 | SH35-8-E601 | | TELEPHONE & DATA PLAN; CONCOURSE LEVEL |
| 056A | SH35-8-E602 | | TELEPHONE & DATA PLAN; CONCOURSE LEVEL (SWITCHBOARD ROOM) |
| 057 | SH35-8-E650 | | PA & CCTV DEMOLITION PLAN; CONCOURSE LEVEL |
| 058 | SH35-8-E651 | | PA & CCTV PLAN; CONCOURSE LEVEL |
| 059 | SH35-8-E800 | | ELECTRICAL DETAILS; POWER & DATA / OUTLETS |
| 060 | SH35-8-E900 | | SCHEDULES; ELECTRICAL PANEL & LIGHTING FIXTURES |

| SHEET | DRAWING No. | REV. | DRAWING TITLE |
|---|---|---|---|
| REFERENCE DRAWINGS | | | |
| SHEPPARD SUBWAY; YONGE STATION AND RELATED; STRUCTURES | | | |
| 061 | SH-51-11-A-055<br>SH35-8-REF-1 | | YONGE LINE EXISTING N/CONCOURSE NORTH; PLAN |
| 062 | SH-51-11-A-064<br>SH35-8-REF-2 | | YONGE LINE EXISTING N/CONCOURSE; PLAN/DETAILS |
| 063 | SH-51-11-A-072<br>SH35-8-REF-3 | | YONGE LINE EXISTING N/CONCOURSE NORTH;<br>REFLECTED CEILING PLAN |
| 064 | SH-51-11-A-137<br>SH35-8-REF-4 | | YONGE LINE EXISTING N/CONCOURSE NORTH;<br>FLOOR PATTERN |
| 065 | SH-51-11-A-291<br>SH35-8-REF-5 | | STD DETAILS/SCHEDULES/MISC; NORTH CONCOURSE<br>COLLECTOR'S BOOTH |
| 066 | SH-51-11-KA-009<br>SH35-8-REF-6 | | LEGENDS/SYMBOLS/WALL TYPES |
| 067 | SH-51-11-A-140<br>SH35-8-REF-7 | | YONGE N/C & SHEPPARD W/C;<br>FLOOR PATTERN PLAN DETAILS |
| 068 | SH-51-11-FA-003<br>SH35-8-REF-8 | | FIRE SEPARATIONS; YONGE LINE<br>EXISTING N/CONCOURSE N/TUNNEL |
| 069 | SH-51-11-A-174<br>SH35-8-REF-9 | | YONGE LINE EXISTING;<br>N/S SECTION LOOKING WEST |
| 070 | SH-51-11-A-278<br>SH35-8-REF-10 | | STD DETAILS/SCHEDULES/MISC;<br>FARE COLLECTION/BARRIERS/BOOTHS |
| 071 | SH-51-11-A-293<br>SH35-8-REF-11 | | STD DETAILS/SCHEDULES/MISC;<br>COLLECTOR'S BOOTH |
| 072 | SH-51-11-A-294<br>SH35-8-REF-12 | | STD DETAILS/SCHEDULES/MISC;<br>COLLECTOR'S BOOTH |
| 073 | SH-51-11-A-295<br>SH35-8-REF-13 | | STD DETAILS/SCHEDULES/MISC;<br>COLLECTOR'S BOOTH |
| 074 | SH-51-11-SC-012<br>SH35-8-REF-14 | | INVERT SLAB YONGE<br>STA. 16+510 TO 16+549 |
| 075 | SH-51-11-SC-023<br>SH35-8-REF-15 | | NORTH CONCOURSE FRAMING PLAN<br>NORTH PORTION |
| 076 | SH-51-11-SC-124<br>SH35-8-REF-16 | | NORTH CONCOURSE ROOF FRAMING PLAN<br>UNITS Y5420 AND Y5426 |
| 077 | SH-51-11-SC-211<br>SH35-8-REF-17 | | YONGE PROFILE ELEVATION; STA.16+510 TO 16+548 |
| 078 | SH-51-11-M-021<br>SH35-8-REF-18 | | YONGE LINE NORTH FAN ROOM;<br>PLUMBING AND DRAINAGE |
| 079 | SH-51-11-M-028<br>SH35-8-REF-19 | | YONGE LINE NORTH CONCOURSE, NORTH;<br>PLUMBING AND DRAINAGE |
| 080 | SH-51-11-M-045<br>SH35-8-REF-20 | | YONGE LINE NORTH CONCOURSE, SOUTH;<br>FIRE PROTECTION |
| 081 | SH-51-11-M-046<br>SH35-8-REF-21 | | YONGE LINE NORTH CONCOURSE, NORTH;<br>FIRE PROTECTION |
| 082 | SH-51-11-M-048<br>SH35-8-REF-22 | | SHEPPARD LINE WEST CONCOURSE FAN ROOM;<br>FIRE PROTECTION |
| 083 | SH-51-11-M-058<br>SH35-8-REF-23 | | YONGE LINE NORTH CONCOURSE, NORTH;<br>HEATING, VENTILATION AND AIR CONDITIONING |
| 084 | SH-51-11-M-071<br>SH35-8-REF-24 | | MECHANICAL SCHEDULES |
| 085 | SH-51-11-M-077<br>SH35-8-REF-25 | | SHEPPARD LINE NORTH CONCOURSE PART PLAN;<br>PLUMBING AND DRAINAGE |
| 086 | SH-51-11-E-174<br>SH35-8-REF-26 | | YONGE LINE N/CONCOURSE SOUTH; POWER |
| 087 | SH-51-11-E-175<br>SH35-8-REF-27 | | YONGE LINE N/CONCOURSE NORTH; POWER |
| 088 | SH-51-11-E-189<br>SH35-8-REF-28 | | YONGE LINE N/CONCOURSE NORTH; SYSTEMS |
| 089 | SH-51-11-E-160<br>SH35-8-REF-29 | | YONGE LINE N/CONCOURSE NORTH; LIGHTING |
| 090 | SH-51-10-E-217<br>SH35-8-REF-30 | | YONGE LINE RETAIL DISTRIBUTION; 120/208V,3PH,4W |
| 091 | SH-51-11-E-733<br>SH35-8-REF-31 | | DISTRIBUTION SCHEDULES; DP-E & DP-H |
| SHEPPARD SUBWAY HVAC EQUIPMENT RELOCATION; SHEPPARD-YONGE STATION | | | |
| 092 | SH35-1-M515<br>SH35-8-REF-32 | | CONCOURSE LEVEL; HVAC DEMOLITION |
| 093 | SH35-1-M535<br>SH35-8-REF-33 | | CONCOURSE LEVEL; NEW HVAC |
| YONGE SUBWAY; NORTHERN EXTENSION | | | |
| 094 | Y7-S-255<br>SH35-8-REF-34 | | SHEPPARD STATION; UNIT Y5426; MEZZANINE; LEVEL PLAN |
| 095 | Y7-S-256<br>SH35-8-REF-35 | | SHEPPARD STATION; UNIT Y5426; LONGITUDINAL; SECTIONS |
| 096 | Y7-S-257<br>SH35-8-REF-36 | | SHEPPARD STATION; UNIT Y5426; SECTIONS |

| SHEET | DRAWING No. | REV. | DRAWING TITLE |
|---|---|---|---|
| REFERENCE DRAWINGS | | | |
| SHEPPARD SUBWAY; YONGE STATION AND RELATED; STRUCTURES | | | |
| 097 | SH-51-11-E-165<br>SH35-8-REF-37 | | YONGE LINE NORTH FAN ROOM POWER |
| 098 | SH-51-11-E-185<br>SH35-8-REF-38 | | SYSTEMS |
| 099 | SH-51-11-E-731<br>SH35-8-REF-39 | | DISTRIBUTION PANEL SCHEDULE DP-3G & DP-13H |

| REVISIONS | REVISIONS |
|---|---|
| △ | △ |
| △ | △ |
| △ | △ |

ISSUED FOR CONSTRUCTION

NORR
ARCHITECTS ENGINEERS PLANNERS
NORR Limited
An Ingenium Group Company
175 Bloor St. East
North Tower, 15th Floor
Toronto, ON, Canada M4W 3R8
www.norr.com

ONTARIO ASSOCIATION OF ARCHITECTS
ROLFE KAARTINEN LICENCE 5183

| | | YYYY/MM/DD |
|---|---|---|
| DRAWN | R. BOYA | 2017/08/09 |
| CHECKED | K. AITKEN | 2018/11/27 |
| CORRECT | K. AITKEN | 2018/11/28 |
| SCALE | | |

SHEPPARD STATION

STATION MANAGERS OFFICE AND ZONE HUB

DRAWING LIST

Contract: SH35-8

TORONTO TRANSIT COMMISSION
ENGINEERING DEPARTMENT

Dwg. No. SH35-8-G001 | Rev. No. | Sheet No. 001

Plot Date: 16-JUL-2019

engbord3.dgn (BORDER) MAY 10, 2017

BLDG. REF. No.

FILENAME: NOR_2s_dlist.dgn

SHEET No. 001

DRAWING No. SH35-8-G001

CADD FILE NAME: NOR_2s_pinfo_abb.dgn

engbord3.dgn (BORDER) MAY 10, 2017

| | |
|---|---|
| ASTM | AMERICAN SOCIETY FOR TESTING & MATERIALS |
| ABR. | ABRASIVE |
| ACST. | ACOUSTIC |
| ADD. | ADDENDUM |
| ADH. | ADHESIVE |
| AGG. | AGGREGATE |
| ALT. | ALTERNATE |
| AC. | ALTERNATING CURRENT |
| AL. | ALUMINUM |
| A/S | ALUMINUM SHEATHED CABLE |
| A | AMPERES |
| A.BT. | ANCHOR BOLT |
| & | AND |
| L | ANGLE (METAL) |
| ANN. | ANNUNCIATOR |
| ANOD. | ANODIZED |
| APPD. | APPROVED |
| APPROX. | APPROXIMATE |
| ARCH. | ARCHITECTURAL |
| ASB. | ASBESTOS |
| A.C.BD. | ASBESTOS CEMENT BOARD |
| ASPH. | ASPHALT |
| @ | AT |
| AUX. | AUXILIARY |
| AVG. | AVERAGE |
| B.PL | BASE (BEARING) PLATE |
| BM | BEAM |
| BRG. | BEARING |
| B.C. | BEGINNING OF CURVE |
| B.V.C | BEGINNING OF VERTICAL CURVE |
| BLDG | BUILDING |
| B/L | BUILDING LINE |
| BEV. | BEVELLED |
| BLK. | BLOCK |
| BD. | BOARD |
| BT. | BOLT |
| BOT. | BOTTOM |
| BLL | BOTTOM LOWER LAYER |
| BUL | BOTTOM UPPER LAYER |
| BOX | BOX STRUCTURE |
| BKR | BREAKER |
| BRK | BRICK |
| BRDG. | BRIDGING |
| CSA | CANADIAN STANDARDS ASSOCIATION |
| CISC | CANADIAN INSTITUTE OF STEEL CONSTRUCTION |
| CAP. | CAPACITY |
| C.PL | CAP PLATE |
| CSTG. | CASTING |
| C.I. | CAST IRON |
| C.I.P. | CAST IRON PIPE |
| C.B. | CATCH BASIN |
| CLKG. | CAULKING |
| CLG. | CEILING |
| CEM. | CEMENT |
| CTR. | CENTRE |
| ℄ | CENTRE-LINE |
| Ø/C or C.C. | CENTRE TO CENTRE |
| Δ | CENTRE ANGLE = P.I. ANGLE |
| CHAM. | CHAMFER |
| ⊔ | CHANNEL |
| CHK. | CHECK |
| CCT. | CIRCUIT |
| CIRC. | CIRCULAR |
| Δc | CIRCULAR CURVE ANGLE |
| C.P.I. | CIRCULAR CURVE P.I. |
| CL. RM. | CLEANERS' ROOM |
| C.O. | CLEAN OUT |
| CL. | CLEARANCE |
| CL. GL. | CLEAR GLASS |
| C.C.TV. | CLOSE CIRCUIT TELEVISION |
| C.W. | COLD WATER |
| COLL. | COLLAPSIBLE |
| COL. CEM. | COLOURED CEMENT |
| COL. | COLUMN |
| C.T. | COLUMN TIE |
| COMM. | COMMUNICATION |
| COMB. | COMBINED SEWER |
| C/W | COMPLETE WITH |

| | |
|---|---|
| CONC. | CONCRETE |
| CONCRS. | CONCOURSE |
| C.S.W. | CONCRETE SIDEWALK |
| CONSTR. | CONSTRUCTION |
| CONT. | CONTINUATION |
| CONT. JT | CONTRACTION JOINT |
| CU | COPPER |
| CORR. | CORRUGATED |
| CORR. I.P. | CORRUGATED IRON PIPE |
| COR. | CORNER |
| CTSK. | COUNTERSUNK |
| CRS. | COURSES |
| $m^3$ | CUBIC METRE |
| C.S. | CURVE TO SPIRAL |
| C.T. | CURVE TO TANGENT |
| CYL. L. | CYLINDER LOCK |
| DP. | DAMPERPROOFING |
| (°) OR DEG. | DEGREE |
| DET. | DETAIL |
| DIAG. | DIAGONAL |
| Ø OR DIA. | DIAMETER |
| D.C. | DIRECT CURRENT |
| DIM. | DIMENSION |
| DIST. | DISTANCE |
| D.G. | DOUBLE GLASS |
| D/H | DOUBLE HUNG |
| DWL. | DOWEL |
| DN. | DOWN |
| DWG. | DRAWING |
| DR.P. | DRAIN PIT |
| D.B. | DUCT BANK |
| D.I. | DUCTILE IRON |
| EA. | EACH |
| Ea | ACTUAL SUPERELEVATION TO BE CONSTRUCTED |
| E.E. | EACH END |
| E.F. | EACH FACE |
| E.S. | EACH SIDE |
| E.W. | EACH WAY |
| E | EAST |
| E/B | EASTBOUND |
| ELEC. | ELECTRICAL |
| E.HTR. | ELECTRIC HEATER |
| EMT | ELECTRIC METALLIC TUBING |
| EL. | ELEVATION (ABOVE DATUM) |
| ELEV. | ELEVATION (VIEW) |
| EM. | EMERGENCY |
| EEB | EMERGENCY EXIT BUILDING |
| E.T. | EMERGENCY TRIP |
| ENC. | ENCASED |
| ENCL. | ENCLOSURE |
| E.C. | END OF CURVE |
| E.V.C. | END OF VERTICAL CURVE |
| ENG. | ENGINEERING |
| ENT. | ENTRANCE |
| ESC. | ESCALATOR |
| EXC. | EXCAVATE |
| EXIST. | EXISTING |
| EXP. JT. | EXPANSION JOINT |
| EXP.SH. & BT. | EXPANSION SHIELD & BOLT |
| EXT. | EXTERIOR |
| EX.H. | EXTRA HEAVY |
| EXTR. | EXTRUDED |
| EQ. | EQUAL |
| EXTc | DISTANCE, CURVE P.I. TO CENTRE CURVE |
| EXTs | DISTANCE, OVERALL P.I. TO CURVE CENTRE |
| F. TO F. | FACE TO FACE |
| F.T. | FACING TILE |
| F.F. | FAR FACE |
| FIG. | FIGURE |
| FIN. | FINISH |
| F/F | FINISH FACE |
| FBRK. | FIREBRICK |
| F. DR. | FIRE DOOR |
| F.H.C. | FIRE HOSE CABINET |
| 1ST.L. | FIRST LAYER |
| FIX. | FIXTURE |
| FL. | FLANGE |
| FLG. | FLASHING |
| F.H. | FLAT HEAD |

| | |
|---|---|
| FLR. | FLOOR |
| F.D. | FLOOR DRAIN |
| FLH. | FLUSH |
| FTG. | FOOTING |
| FND. | FOUNDATION |
| FR. | FRAME |
| F.A.I. | FRESH AIR INTAKE |
| F.S. | FULL SIZE |
| FUT. | FUTURE |
| GALV. | GALVANIZED |
| GA. | GAUGE |
| GENL. | GENERAL |
| G.B.M. | GEODETIC BENCH MARK |
| GL. | GLASS |
| GL. BLK. | GLASS BLOCK |
| G.F.M. | GLASS FACED MASONRY |
| GL.T. | GLAZED TILE |
| GL.C.T. | GLAZED CERAMIC TILE |
| GL.F.T. | GLAZED FACING TILE |
| G. | GRADE |
| GRTG. | GRATING |
| GR. | GRILLE |
| GRD. | GROUND |
| GYP. | GYPSUM |
| H.RD. | HALF ROUND |
| H.R. | HAND RAIL |
| HDW | HARDWARE |
| HDWD. | HARDWOOD |
| HD. | HEAD |
| HGT. | HEIGHT |
| HZ | HERTZ |
| H.P. | HIGH POINT |
| H.M. | HOLLOW METAL |
| H.M.D. | HOLLOW METAL DOOR |
| H.T. | HOLLOW TILE |
| H1E | HOOK ONE END |
| H2E | HOOK TWO ENDS |
| HOR. | HORIZONTAL |
| H.C. | HORIZONTAL CURVE |
| H.W. | HOT WATER |
| H.L. | HOT LAID |
| H.S.S. | HOLLOW STRUCTURAL SECTION |
| I | I BEAM |
| ILL.S. | ILLUMINATED SIGN |
| INCL. | INCLUDED |
| I.D. | INSIDE DIAMETER |
| I.F. | INSIDE FACE |
| INS. | INSULATION |
| INT. | INTERIOR |
| INV. | INVERT |
| JKT. | JACKETED |
| JT. | JOINT |
| JST. | JOIST |
| JCT. | JUNCTION |
| kg | KILOGRAM |
| km/h | KILOMETRES PER HOUR |
| kN | KILONEWTON |
| kW | KILOWATT |
| kwh | KILOWATT HOUR |
| KVA | KILO VOLT AMPERES |
| LAD. | LADDER |
| LDG. | LANDING |
| LAV. | LAVATORY |
| L.H. | LEFT HAND |
| L.H.R. | LEFT HAND REVERSE |
| LG. | LENGTH, LONG |
| Lc. | LENGTH OF CURVE |
| Ls. | LENGTH OF SPIRAL |
| L.V.C. | LENGTH OF VERTICAL CURVE |
| LEV. | LEVEL |
| LTG. | LIGHTING |
| L.R.T. | LIGHT RAIL TRANSIT |
| L.R.V. | LIGHT RAIL VEHICLE |
| L.W.C. | LIGHTWEIGHT CONCRETE |
| LIN.m. | LINEAR METRE |
| L.L. | LIVE LOAD |
| LKR. | LOCKER |
| L.L.H. | LONG LEG HORIZONTAL |

| | |
|---|---|
| L.L.V. | LONG LEG VERTICAL |
| LV. | LOUVRE |
| L.L. | LOWER LAYER |
| L Tan | LONG TANGENT OF SPIRAL |
| LONGIT. | LONGITUDINAL |
| LX | LUX |
| MACH. | MACHINE |
| M.B. | MACHINE BOLT |
| M.S. | MACHINE SCREW |
| M/H | MAINTENANCE HOLE |
| M.I. | MALLEABLE IRON |
| M.A. | MASONRY ANCHOR |
| M.O. | MASONRY OPENING |
| MATL. | MATERIAL |
| MAX. | MAXIMUM |
| MECH. | MECHANICAL |
| MPa | MEGA PASCAL |
| MEMB. | MEMBRANCE |
| MET. | METAL |
| M.C. | METAL CLAD |
| M.C.ASB. | METAL CLAD ASBESTOS |
| M.C.PLW. | METAL CLAD PLYWOOD |
| m | METRE |
| mm | MILLIMETRES |
| MIC | MINERAL INSULATED CABLE |
| MIN. | MINIMUM |
| – | MINUS |
| (') | MINUTE (ANGLE) |
| MISC. | MISCELLANEOUS |
| MLDG. | MOULDING |
| M.T. | MOSAIC TILE |
| N.F. | NEAR FACE |
| NEG. | NEGATIVE |
| N | NEWTON |
| N.M. | NON-METALLIC |
| N.S. | NON-SLIP |
| N | NORTH |
| N/B | NORTH BOUND |
| N/A | NOT AVAILABLE, NOT APPLICABLE |
| N.T.S. | NOT TO SCALE |
| N.P.C. | NOT PART OF CONTRACT |
| NO. or # | NUMBER |
| Ω | OHMS |
| O.B.C. | ONTARIO BUILDING CODE |
| O.C. | ON CENTER |
| OPNG. | OPENING |
| O.W.S.J. | OPEN WEB STEEL JOIST |
| O.W.S.S.J. | OPEN WEB SHORT SPAN JOIST |
| O.W.L.S.J. | OPEN WEB LONG SPAN JOIST |
| O.B. | OUTLET BOX |
| O.D. | OUTSIDE DIAMETER |
| O.F. | OUTSIDE FACE |
| O.H.S. | OVAL HEAD SCREW |
| O.A. | OVERALL |
| OVHD. | OVERHEAD |
| P | DIST. FROM CENTRE OF CIRC. CURVE TO TANGENT MINUS R |
| PTD. | PAINTED |
| PR. | PAIR |
| PNL. | PANEL |
| PARTN. | PARTITION |
| PASS. | PASSAGE |
| Pa | PASCAL |
| PED. | PEDESTAL |
| / | PER |
| % | PERCENT |
| PH. | PHASE |
| PCS. | PIECES |
| P. | PIPE |
| P.RLG. | PIPE RAILING |
| PLAS. | PLASTER |
| P.F.DOOR | PLASTIC FACED DOOR |
| PL | PLATE |
| PL GL. | PLATE GLASS |
| PLAT. | PLATFORM |
| + | PLUS |
| ± | PLUS OR MINUS |

| | |
|---|---|
| P.I. | POINT OF INTERSECTION |
| P.S. | POINT OF SWITCH |
| POL. | POLISHED |
| PVC | POLYVINYL CHLORIDE |
| P.E. | PORCELAIN ENAMEL |
| POS. or +VE | POSITIVE |
| POT. | POTENTIAL |
| PRCST. | PRECAST |
| PREFAB. | PREFABRICATED |
| PRI. | PRIMARY |
| PROP. | PROPOSED |
| P.A. | PUBLIC ADDRESS |
| P.B. | PULL BOX |
| Q | QUARRY TILE |
| R | RADIUS |
| RLG | RAILING |
| R.W.L. | RAIN WATER LEADER |
| RECT. | RECTIFIER |
| REF. | REFERENCE |
| R/L or ⅊ | REFERENCE LINE |
| REG. | REGISTER |
| REINF. | REINFORCING |
| R.C. | REINFORCED CONCRETE |
| REQ. | REQUIRED |
| RET. | RETAINING |
| REV. | REVISION |
| R.H. | RIGHT HAND |
| R.H.R. | RIGHT HAND REVERSE |
| R.O.W. | RIGHT-OF-WAY |
| R. | RISER |
| R.D. | ROOF DRAIN |
| RFG. | ROOFING |
| RM. | ROOM |
| RGH. | ROUGH |
| RD. | ROUND |
| R.H.S. | ROUND HEAD SCREW |
| SAN. | SANITARY SEWER |
| SCR. | SCREW |
| SC.D. | SCUPPER DRAIN |
| (") | SECOND (ANGLE) |
| SEC. | SECONDARY |
| 2ND L. | SECONDARY LAYER |
| SECT. | SECTION |
| S.T.S. | SELF TAPPING SCREW |
| SEW. | SEWER |
| SHTHG. | SHEATHING |
| SH. | SHEET |
| S.M.S. | SHEET METAL SCREW |
| S Tan | SHORT TANGENT OF SPIRAL |
| SLT. | SILT TRAP |
| SL. | SLEEVE |
| S | SOUTH |
| S/B | SOUTHBOUND |
| SPEC. | SPECIFICATIONS |
| SP. | SPIRAL |
| Δs | SPIRAL ANGLE |
| S.P. I. | SPIRAL CURVE P.I. |
| S.C. | SPIRAL TO CURVE |
| S.T. | SPIRAL TO TANGENT |
| SPL. | SPLICING |
| SQ. | SQUARE |
| $m^2$ | SQUARE METRE |
| S.ST. | STAINLESS STEEL |
| STG. | STAGGERED |
| STD. | STANDARD |
| STA. | STATION (CHAINAGE) |
| STN. | STATION (STRUCTURE) |
| STL. | STEEL |
| STIF. | STIFFENER |
| STIR. | STIRRUP |
| STM. | STORM SEWER |
| S/L | STREET LINE |
| STG. | STRINGER |
| STRUCT. | STRUCTURAL |
| STRUCT. GL. | STRUCTURAL GLASS |
| SUPR. | SUPERVISORY |
| SUPT. | SUPPORT |
| SURF. | SURFACE |
| SUSP. | SUSPENDED |
| SWBD. | SWITCHBOARD |
| SYM. | SYMMETRICAL |

S01420.01 | 0

| | |
|---|---|
| Ts | TANGENT |
| t | TONNE |
| T.C. | TANGENT TO CURVE |
| To | TANGENT FROM S.C. TO C.P.I. |
| T.S. | TANGENT TO SPIRAL |
| Tel. | TELEPHONE |
| TEMP.STL. | TEMPERATURE STEEL |
| TEM. | TEMPLATE |
| TERR. | TERRAZZO |
| THK. | THICKNESS |
| MCM | THOUSAND CIRCULAR MILS |
| TLL | TOP LOWER LAYER |
| TUL | TOP UPPER LAYER |
| T.T. | TOP T. |
| T.& B. | TOP AND BOTTOM |
| T/C | TOP OF CONCRETE |
| T/R | TOP OF RAIL |
| T.O.S. | TOP OF STEEL |
| TR. | TRACK |
| TRANS. | TRANSFORMER |
| TD. | TREAD |
| TYP. | TYPICAL |
| TP. | TYPE |
| U/S | UNDERSIDE |
| U/N | UNLESS OTHERWISE NOTED |
| USGPM | UNITED STATES GALLONS PER MINUTE |
| U.L. | UPPER LAYER |
| UR. | URINAL |
| V.B. | VAPOUR BARRIER |
| V | VELOCITY, IN Km/h |
| V. | VENT |
| V/S | VENT SHAFT |
| VERT. | VERTICAL |
| V.C. | VERTICAL CURVE |
| V.I.F. | VERTICAL INSIDE FACE |
| V.O.F. | VERTICAL OUTSIDE FACE |
| V.P.I. | VERTICAL POINT OF INTERSECTION |
| VEST. | VESTIBULE |
| V.T. | VITREOUS TILE |
| V.P. | VITRIFIED PIPE |
| W.PL. | WALL PLATE |
| W.RM. | WASHROOM |
| W.R. | WASTE RECEPTICAL |
| W.M. | WATERMAIN |
| W.P. | WATERPROOFING |
| W.C. | WATER CLOSET |
| W.S. | WEATHER STRIP |
| W.H. | WEEPHOLE |
| WT. | WEIGHT |
| WWM | WELDED WIRE MESH |
| W | WEST |
| W/B | WEST BOUND |
| WWF | WELDED WIDE FLANGE |
| WF | WIDE FLANGE |
| WDG. | WINDING |
| W.GL. | WIRE GLASS |
| WD. | WOOD |
| W.S. | WOOD SCREW |
| WP. | WORKING POINT |
| W.I. | WROUGHT IRON |
| Xs | DISTANCE FROM T.S. TO Ys ALONG MAIN TANGENT |
| Ys | OFFSET FROM Ts TO S.C. |

| REVISIONS | REVISIONS |
|---|---|
| △ | △ |
| △ | △ |
| △ | △ |

ISSUED FOR CONSTRUCTION

NORR
ARCHITECTS ENGINEERS PLANNERS
NORR Limited
An Ingenium Group Company
175 Bloor St. East
North Tower, 15th Floor
Toronto, ON, Canada M4W 3R8
www.norr.com

ONTARIO ASSOCIATION OF ARCHITECTS
ROLERO KAARTINEN
LICENCE
5183

| | | YYYY/MM/DD |
|---|---|---|
| DRAWN | R. BOYA | 2017/08/09 |
| CHECKED | K. AITKEN | 2018/11/27 |
| CORRECT | K. AITKEN | 2018/11/28 |
| SCALE | | |

SHEPPARD STATION

STATION MANAGERS OFFICE AND ZONE HUB

ABBREVIATIONS

Contract: SH35-8

TORONTO TRANSIT COMMISSION
ENGINEERING DEPARTMENT

| Dwg. No. | Rev. No. | Sheet No. |
|---|---|---|
| SH35-8-G002 | | 002 |

Plot Date: 16-JUL-2019

BLDG. REF. No.

FILENAME: NOR_2s_pinfo_abb.dgn

SHEET No. 002

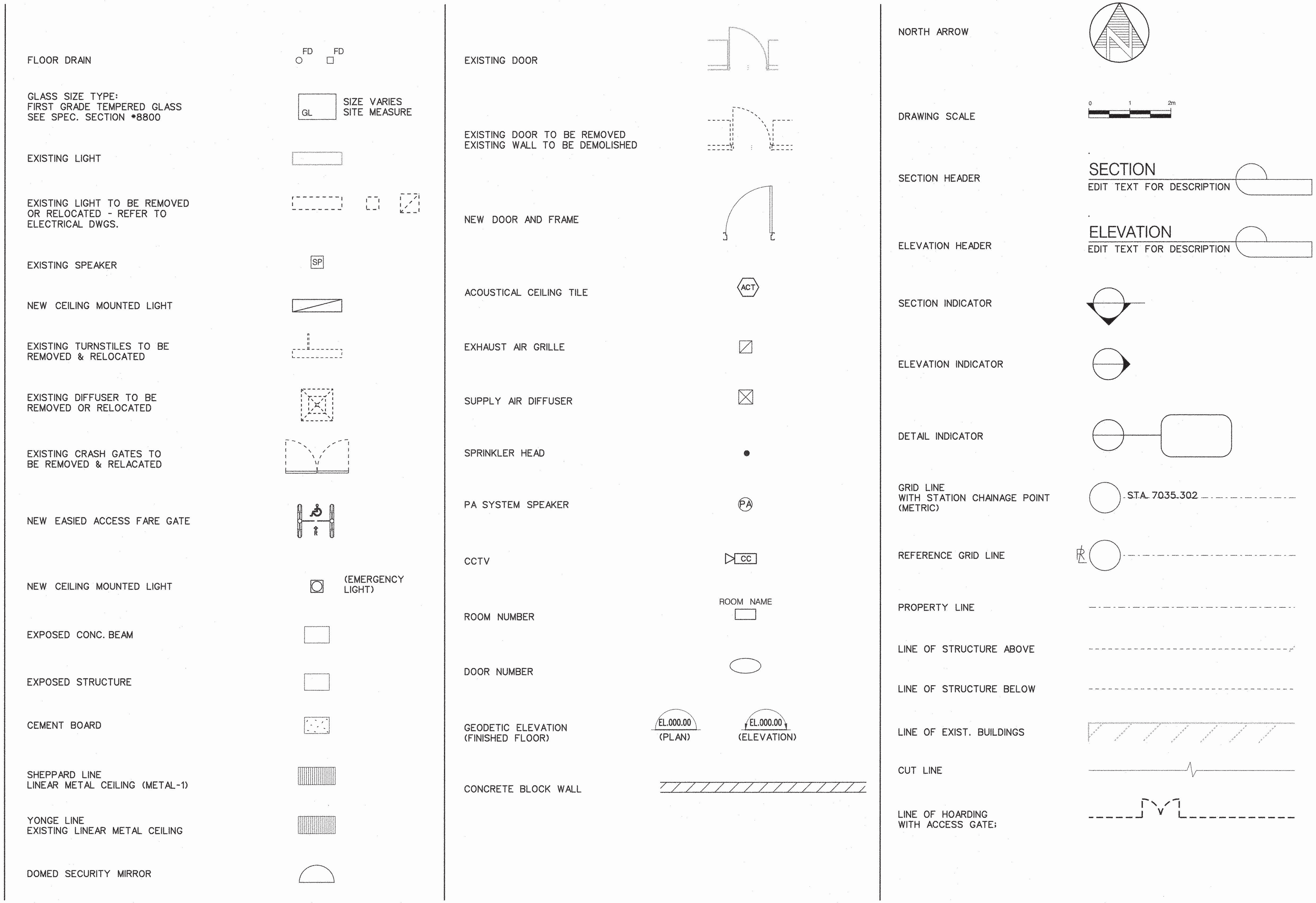
DRAWING No. SH35-8-AA01

CADD FILE NAME: NOR 2s pinfo legend gnotes.dgn

GENERAL NOTES

1. CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE COMMISSION BEFORE PROCEEDING WITH THE WORK AND BEFORE SHOP DRAWINGS AND FABRICATION OF MATERIALS ARE STARTED.
2. THESE DRAWINGS ARE NOT TO BE SCALED.
3. WHERE NOT OTHERWISE SPECIFIED OR SHOWN. THE WORK SHALL CONFORM TO THE RULES AND REGULATIONS OF THE LOCAL GOVERNING CODES AND BY-LAWS, AND THE ONTARIO BUILDING CODE, INCLUDING ALL REVISIONS OR AMENDMENTS AT THE TIME OF THE CONTRACT.
4. MAINTAIN THE CONTINUITY OF THE FIRE SEPARATIONS.
5. PROVIDE CONTINUOUS SEALS TO ALL WALLS THAT REQUIRE SOUND TRANSMISSION CONTROL.
6. ALL ELECTRICAL OR MECHANICAL EQUIPMENT PENETRATING FIRE SEPARATIONS SHALL BE PROPERLY SEALED AROUND THE TWO SIDES OF WALL PENETRATION TO ENSURE THE INTEGRITY OF THE FIRE SEPARATION.
7. UNLESS OTHERWISE NOTED ALL FLASHING AROUND PIPES, FLUES, ETC. AND OTHER ROOF PENETRATIONS SHALL BE AS PER THE LATEST REVISION OF THE O.B.C. STANDARDS AND LATEST EDITION OF THE C.R.C.A. MANUAL.
8. THE INTEGRITY AND CONTINUITY OF THE VAPOUR BARRIER SHALL BE MAINTAINED.
9. THE CONTRACT DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE SPECIFICATIONS.
10. INFORMATION CONTAINED ON THESE DRAWINGS WITH REGARD TO EXISTING CONDITIONS IS PROVIDED FOR THE CONVENIENCE OF THE GENERAL CONTRACTOR IN EXECUTING THE WORK. THE INFORMATION IN NO WAY RELEASES THE GENERAL CONTRACTOR FROM THE RESPONSIBILITY FOR VERIFYING COMPLETELY ALL FIELD CONDITIONS RELATING TO AND AFFECTING THE EXECUTION OF THE WORK.
11. REMOVE ALL ITEMS SHOWN IN THE DEMOLITION DRAWINGS AND SALVAGE ITEMS FOR REUSE AS NOTED.
12. ALL DEMOLITION WORK SHALL BE EXECUTED IN STRICT ACCORDANCE WITH THE DEMOLITION BYLAWS OF THE ONTARIO BUILDING CODE AND ALL LOCAL AND OTHER AUTHORITIES HAVING JURISDICTION.
13. ALL MATERIALS RESULTING FROM DEMOLITION WORK SHALL BE LEGALLY DISPOSED OF BY THE CONTRACTOR UNLESS ITEMS ARE IDENTIFIED TO BE REUSED OR SALVAGED.
14. SEAL ALL DEMOLITION OPENINGS MADE IN THE EXISTING BUILDING ENVELOPE FROM EFFECTS OF WEATHER UNTIL NEW WORK HAS COMMENCED TO SEAL OPENINGS. OPENINGS IN EXISTING BUILDING ENVELOPE SHALL BE SECURED BY HOARDING.
15. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO IDENTIFY EXISTING COMPONENTS AND ASSEMBLIES WITHIN THE BUILDING THAT ARE CONSTRUCTED AS FIRE-RATED ASSEMBLIES AND TO DETERMINE THEIR HOURLY FIRE RATING.
16. WHEN EXECUTION OF NEW WORK REQUIRES THAT FIRE-RATED ASSEMBLIES ARE DISTURBED, THE CONTRACTOR SHALL UNDERTAKE TO REPAIR THE EXISTING WORK SO THAT THE REQUIRED FIRE RATING IS MAINTAINED.
17. ALL AREAS ABOVE OR ON THE EXISTING CEILING THAT ARE AFFECTED BY INSTALLATION OF NEW WORK SHALL BE REPAIRED COMPLETELY WITH MATERIALS AND PRODUCTS TO MATCH EXISTING INSTALLATION AND FIRE-RATED ASSEMBLIES.
18. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO IDENTIFY POINTS OF ACCESS TO THE BUILDING AND TO VERIFY MINIMUM CLEARANCES AVAILABLE FOR USE IN TRANSPORTING NECESSARY CONSTRUCTION MACHINERY, EQUIPMENT, MATERIALS AND COMPONENTS INTO THE BUILDING, USE OF SUCH POINTS OF ACCESS SHALL BE APPROVED BY TTC.
19. ALL PENETRATIONS THROUGH REQUIRED FIRE SEPARATIONS TO BE FIRESTOPPED.

    ULC NO. SP236 (METALLIC PIPES)
    cUL NO. WJ7056 (STEEL DUCTS)




| REVISIONS | REVISIONS |
|---|---|
| | |
| | |
| | |

ISSUED FOR CONSTRUCTION

NORR
ARCHITECTS ENGINEERS PLANNERS
NORR Limited
An Ingenium Group Company
175 Bloor St. East
North Tower, 15th Floor
Toronto, ON, Canada M4W 3R8
www.norr.com

ONTARIO ASSOCIATION OF ARCHITECTS
ROLFE... KAARTINEN
LICENCE
5183

| | | YYYY/MM/DD |
|---|---|---|
| DRAWN | R. BOYA | 2017/08/09 |
| CHECKED | K. AITKEN | 2018/11/27 |
| CORRECT | K. AITKEN | 2018/11/28 |
| SCALE | N.T.S. | |

SHEPPARD STATION

STATION MANAGERS OFFICE AND ZONE HUB

LEGEND, SYMBOLS & GENERAL NOTES

Contract: SH35-8

TORONTO TRANSIT COMMISSION
ENGINEERING DEPARTMENT

| Dwg. No. | Rev. No. | Sheet No. |
|---|---|---|
| SH35-8-G003 | | 003 |

Plot Date: 16-JUL-2019

engbord3.dgn (BORDER) MAY 10, 2017

BLDG. REF. No.

FILENAME: NOR_2s_pinfo_legend_gnotes.dgn

SHEET No. 003

DRAWING No. SH35-8-AA02

CADD FILE NAME: NOR 2s sch 01 .dgn

engbord3.dgn (BORDER) MAY 10, 2017

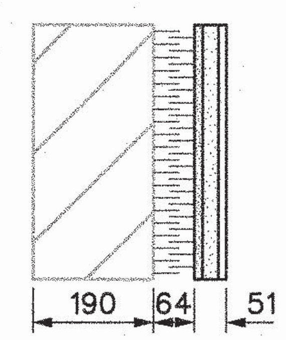
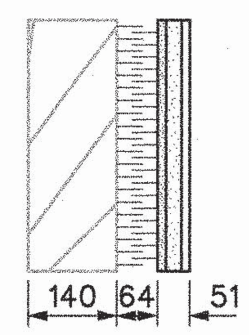
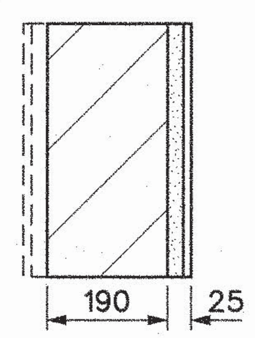
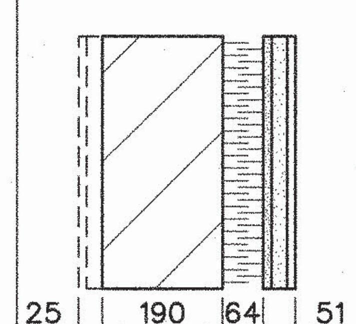
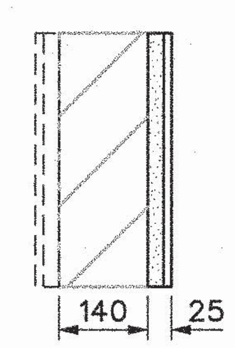
BLDG. REF. No.

FILENAME: NOR_2s_sch_01.dgn

SHEET No.004

DRAWING No. SH35-8-AA03

## WALL TYPES (WT)

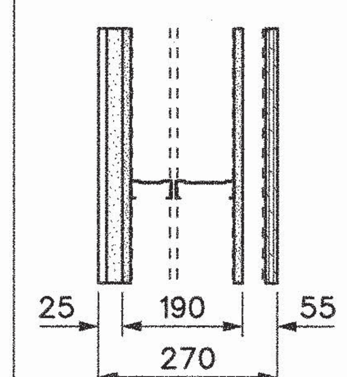
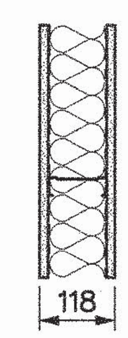
| TYPE | | CONSTRUCTION |
|---|---|---|
| 1 |  | EXISTING 190mm CONCRETE BLOCK<br>64mm FURRING WITH<br>RIGID INSULATION<br>13mm CEMENT BOARD<br>LEVELING COAT WITH<br>THINSET ADHESIVE<br>CERAMIC TILE FINISH |
| 2 |  | EXISTING 140mm CONCRETE BLOCK<br>64mm FURRING WITH<br>RIGID INSULATION<br>13mm CEMENT BOARD<br>LEVELING COAT WITH<br>THINSET ADHESIVE<br>CERAMIC TILE FINISH |
| 3<br>3A |  | 190mm CONCRETE BLOCK<br>LEVELING COAT WITH<br>THINSET ADHESIVE<br>CERAMIC TILE FINISH<br><br>AS WT-3 WITH<br>CERAMIC TILE FINISH<br>ON BOTH SIDES |
| 4<br>4A |  | 190mm CONCRETE BLOCK<br>64mm FURRING WITH<br>RIGID INSULATION<br>13mm CEMENT BOARD<br>LEVELING COAT WITH<br>THINSET ADHESIVE<br>CERAMIC TILE FINISH<br><br>AS WT-4 WITH<br>CERAMIC TILE FINISH<br>ON BOTH SIDES |
| 5<br>5A |  | EXISTING CONCRETE BLOCK WALL<br>LEVELING COAT WITH<br>THINSET ADHESIVE<br>CERAMIC TILE FINISH<br><br>AS WT-5 WITH<br>CERAMIC TILE FINISH<br>ON BOTH SIDES |

SCHEDULE

WALL TYPES SCHEDULES

1
AA03

## WALL TYPES (WT)

| TYPE | | CONSTRUCTION |
|---|---|---|
| 6 | | NOT USED |
| 7 |  | CERAMIC TILE FINISH<br>LEVELING COAT WITH<br>THINSET ADHESIVE<br>13mm CEMENT BOARD<br>64mm STL. STUDS<br>92mm STL. STUDS<br>13mm CEMENT BOARD<br>METAL Z-GIRTS AND<br>19mm THK. REMOVABLE<br>S.ST. CLAD FIRE RETARDANT<br>PLYWOOD PANEL |
| 8 |  | 13mm ABUSE RESISTANT<br>CEMENT BD. BOTH SIDES ON<br>92mm STL. STUDS FILL WITH<br>ACOUSTIC INSULATION. |
| 9 | | NOT USED |

NOTE:

1. ULC U905 2HR FOR FIRE SEPARATIONS WALLS.
2. TYPICAL DETAIL FIRE HEAD OF WALL AT FIRE SEPARATIONS REFER TO STRUCTURAL DRAWING 1/S002.

| REVISIONS | REVISIONS |
|---|---|
| | |
| | |
| | |

ISSUED FOR CONSTRUCTION

NORR
ARCHITECTS ENGINEERS PLANNERS
NORR Limited
An Ingenium Group Company
175 Bloor St. East
North Tower, 15th Floor
Toronto, ON, Canada M4W 3R8
www.norr.com

ONTARIO ASSOCIATION OF ARCHITECTS
ROLF [illegible] KAARTINEN
LICENCE 5183

| | | YYYY/MM/DD |
|---|---|---|
| DRAWN | R. BOYA | 2017/09/08 |
| CHECKED | K. AITKEN | 2018/11/27 |
| CORRECT | K. AITKEN | 2018/11/28 |

SCALE 0 100 200 300 400mm

SHEPPARD STATION

STATION MANAGERS OFFICE AND ZONE HUB

WALL TYPES SCHEDULE

Contract: SH35-8

TORONTO TRANSIT COMMISSION
ENGINEERING DEPARTMENT

Dwg. No. SH35-8-G004 Rev. No. Sheet No. 004

Plot Date: 16-JUL-2019

**Name of Practice:**
NORR Limited Architects Engineers

**Name of Project:**
TTC – Sheppard Station - Station Managers Office and Zone Hub

**Location:**
Yonge /Sheppard Subway station – Northeast Entrance Concourse - Level 1 below grade

**Date:** 2018 June 29

## Ontario Building Code Data Matrix
## Part 11 – Renovation of Existing Building

| | | | Building Code Reference [1] |
|---|---|---|---|
| 11.00 | Building Code Version: | O. Reg. 332/12   Last Amendment   O. Reg. 139/17 | |
| 11.01 | Project Type: | ☐ Addition   ☒ Renovation   ☐ Addition and renovation<br>☐ Change of use<br>Description: Interior renovation of existing shell space | [A] 1.1.2. |
| 11.02 | Major Occupancy Classification: | Occupancy / Use<br>A Div 2 — Rapid Transit Station (Yonge Line)<br>Ancillary space – Personnel Offices | 3.1.2.1.(1) |
| 11.03 | Superimposed Major Occupancies: | ☐ No   ☒ Yes<br>Description: A Div 2 Rapid Transit Station (Sheppard Line) | 3.2.2.7. |
| 11.04 | Building Area (m²) | Description: / Existing / New / Total<br>Shell Space – area of renovation / 39sm / 0 / 39sm<br>— / 0 / 0 / 0<br>Total / 39sm / 0 / 39sm | [A] 1.4.1.2. |
| 11.05 | Building Height | 0 Storeys above grade   0 (m) Above grade<br>2 Storeys below grade | [A] 1.4.1.2. & 3.2.1.1. |
| 11.06 | Number of Streets/ Firefighter access | 2 street(s) | 3.2.2.10. & 3.2.5. |
| 11.07 | Building Size | ☐ Small   ☒ Medium   ☐ Large   ☐ > Large | T.11.2.1.1.B.-N. |
| 11.08 | Existing Building Classification: | Change in Major Occupancy: ☐ Yes ☒ Not Applicable (no change of major occupancy)<br>Construction Index: 0<br>Hazard Index: 0<br>Importance Category : ☐ Low ☐ Normal ☐ High ☐ Post-disaster | 11.2.1.1.<br>T 11.2.1.1A<br>T 11.2.1.1B to N<br>4.2.1.(3), 5.2.2.1.(2) |
| 11.09 | Renovation type: | ☒ Basic Renovation   ☐ Extensive Renovation | 11.3.3.1.<br>11.3.3.2. |




| | | | |
|---|---|---|---|
| 11.10 | Occupant Load | Floor Level/Area / Occupancy Type / Based On / Occupant Load (Persons)<br>Northeast entrance concourse, L1 below grade / A2 / Design / 5 | 3.1.17. |
| 11.11 | Plumbing Fixture Requirements | Ratio: M/F = 1/1 Except as otherwise noted<br>Floor Level/Area / Occupant Load / OBC Reference / Fixtures Required / Fixtures Provided<br>2 below grade – south east / 2M/3F / 3.7.4.3.A / 1/1 / 3M/3F<br>— / 0 / — / 0 / 0<br>Note – existing male, female barrier-free WCs located next to shell space / 0 / — / 0 / 0 | 3.7.4. |
| 11.12 | Barrier-free Design: | ☒ Yes<br>☐ No | 11.3.3.2.(2) |
| 11.13 | Reduction in Performance Level: | Structural: ☒ No ☐ Yes<br>By Increase in occupant load: ☒ No ☐ Yes<br>By change of major occupancy: ☒ No ☐ Yes<br>Plumbing: ☒ No ☐ Yes<br>Sewage-systems: ☒ No ☐ Yes<br>Extension of combustible construction: ☒ No ☐ Yes | 11.4.2.1.<br>11.4.2.2.<br>11.4.2.3.<br>11.4.2.4.<br>11.4.2.5.<br>11.4.2.6. |
| 11.14 | Compensating Construction: | ☒ No ☐ Yes<br>Structural: ☐ No ☐ Yes<br>Increase in occupant load: ☐ No ☐ Yes<br>Change of major occupancy: ☐ No ☐ Yes<br>Plumbing: ☐ No ☐ Yes<br>Sewage systems: ☐ No ☐ Yes<br>Extension of combustible construction: ☐ No ☐ Yes | 11.4.3.1,<br>11.4.3.2,<br>11.4.3.3,<br>11.4.3.4,<br>11.4.3.5,<br>11.4.3.6,<br>11.4.3.7. |
| 11.15 | Compliance Alternatives Proposed: | ☒ No ☐ Yes | 11.5.1. |
| 11.16 | Notes: | Fit-up includes modification to HVAC distribution and revisions to existing sprinkler and fire alarm distribution. Existing life safety performance in public access areas is not affected by the scope of work.<br>Space is served by access to exit corridor with two existing exist stairs connecting to street level. | 11.5.1. |

1 *All references are to Division B of the OBC unless preceded by [A] for Division A and [C] for Division C.*




| REVISIONS | REVISIONS |
|---|---|
| △ | △ |
| △ | △ |
| △ | △ |

ISSUED FOR CONSTRUCTION

NORR
ARCHITECTS ENGINEERS PLANNERS
NORR Limited
An Ingenium Group Company
175 Bloor St. East
North Tower, 15th Floor
Toronto, ON, Canada M4W 3R8
www.norr.com

ONTARIO ASSOCIATION OF ARCHITECTS

| | | YYYY/MM/DD |
|---|---|---|
| DRAWN | A. ACLO | 2017/11/22 |
| CHECKED | K. AITKEN | 2018/11/27 |
| CORRECT | K. AITKEN | 2018/11/28 |
| SCALE | | |

SHEPPARD STATION

STATION MANAGERS OFFICE AND ZONE HUB

BUILDING CODE MATRIX

Contract: SH35-8

TORONTO TRANSIT COMMISSION
ENGINEERING DEPARTMENT

Dwg. No. SH35-8-G005 Rev. No. Sheet No. 005

Plot Date: 16-JUL-2019

BLDG. REF. No.

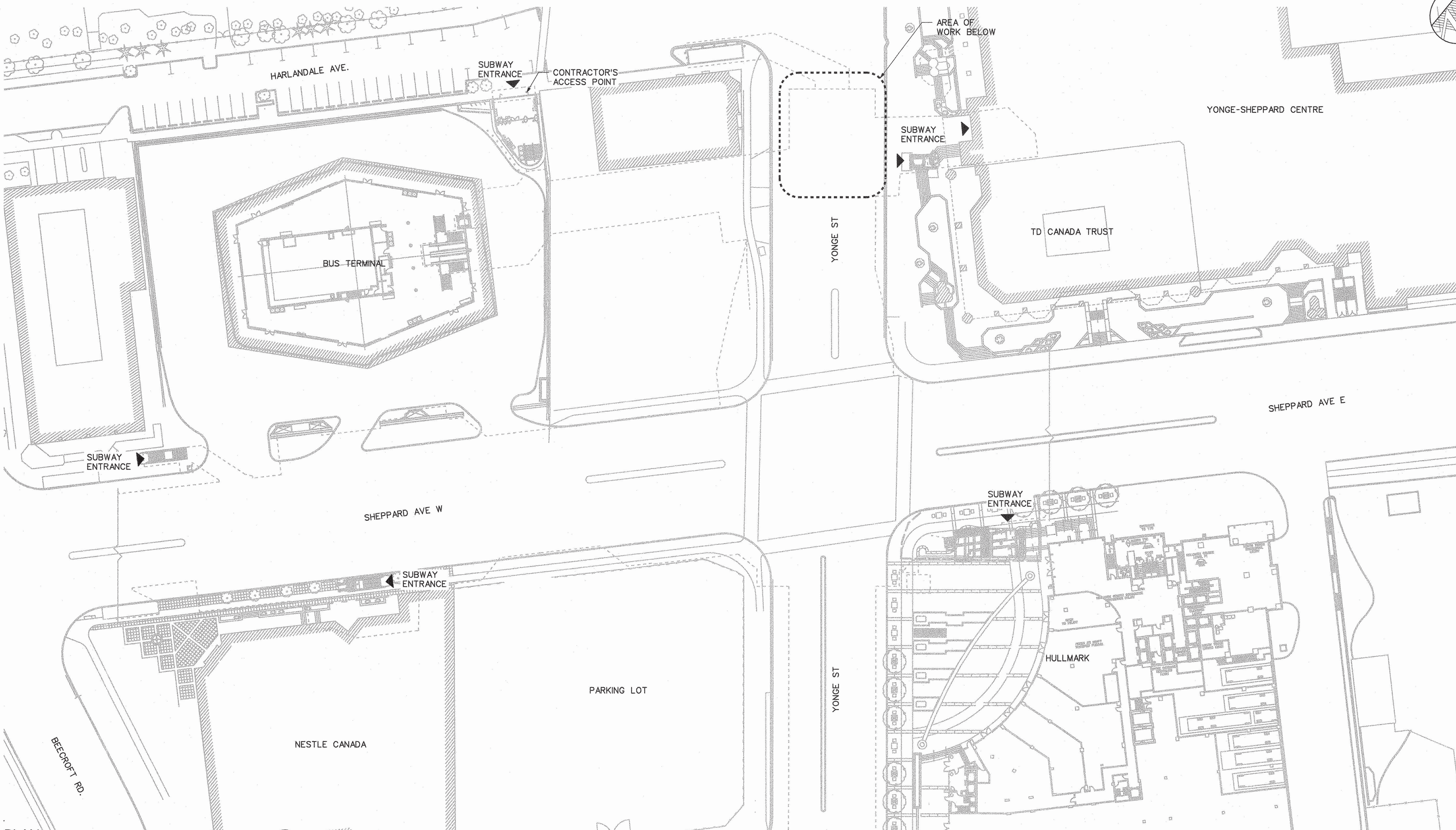
FILENAME: NOR_2s_pinfo_obc.dgn

SHEET No. 005

DRAWING No. SH35-8-AA04

CADD FILE NAME: NOR 2s kpln st.dgn

engbord3.dgn (BORDER) MAY 10, 2017




PLAN
STREET LEVEL KEY PLAN
1
A150

| REVISIONS | REVISIONS |
|---|---|
| △ | △ |
| △ | △ |
| △ | △ |

ISSUED FOR CONSTRUCTION

**NORR**
ARCHITECTS ENGINEERS PLANNERS
NORR Limited
An Ingenium Group Company
175 Bloor St. East
North Tower, 15th Floor
Toronto, ON, Canada M4W 3R8
www.norr.com

ONTARIO ASSOCIATION OF ARCHITECTS
ROLF-ERIC KARTINEN
LICENCE 5183

| | | YYYY/MM/DD |
|---|---|---|
| DRAWN | A. ACLO | 2017/11/20 |
| CHECKED | K. AITKEN | 2018/11/27 |
| CORRECT | K. AITKEN | 2018/11/28 |

SCALE 0 5 10 15 20m

SHEPPARD STATION
STATION MANAGERS OFFICE AND ZONE HUB
KEY PLAN
STREET LEVEL

Contract: SH35-8
TORONTO TRANSIT COMMISSION
ENGINEERING DEPARTMENT

| Dwg. No. | Rev. No. | Sheet No. |
|---|---|---|
| SH35-8-A150 | | 007 |

Plot Date: 16-JUL-2019

BLDG. REF. No.
FILENAME: NOR_2s_kpln_st.dgn
SHEET No. 007
DRAWING No. SH35-8-A150

CADD FILE NAME: NOR 2s kpln concrs 01.dgn

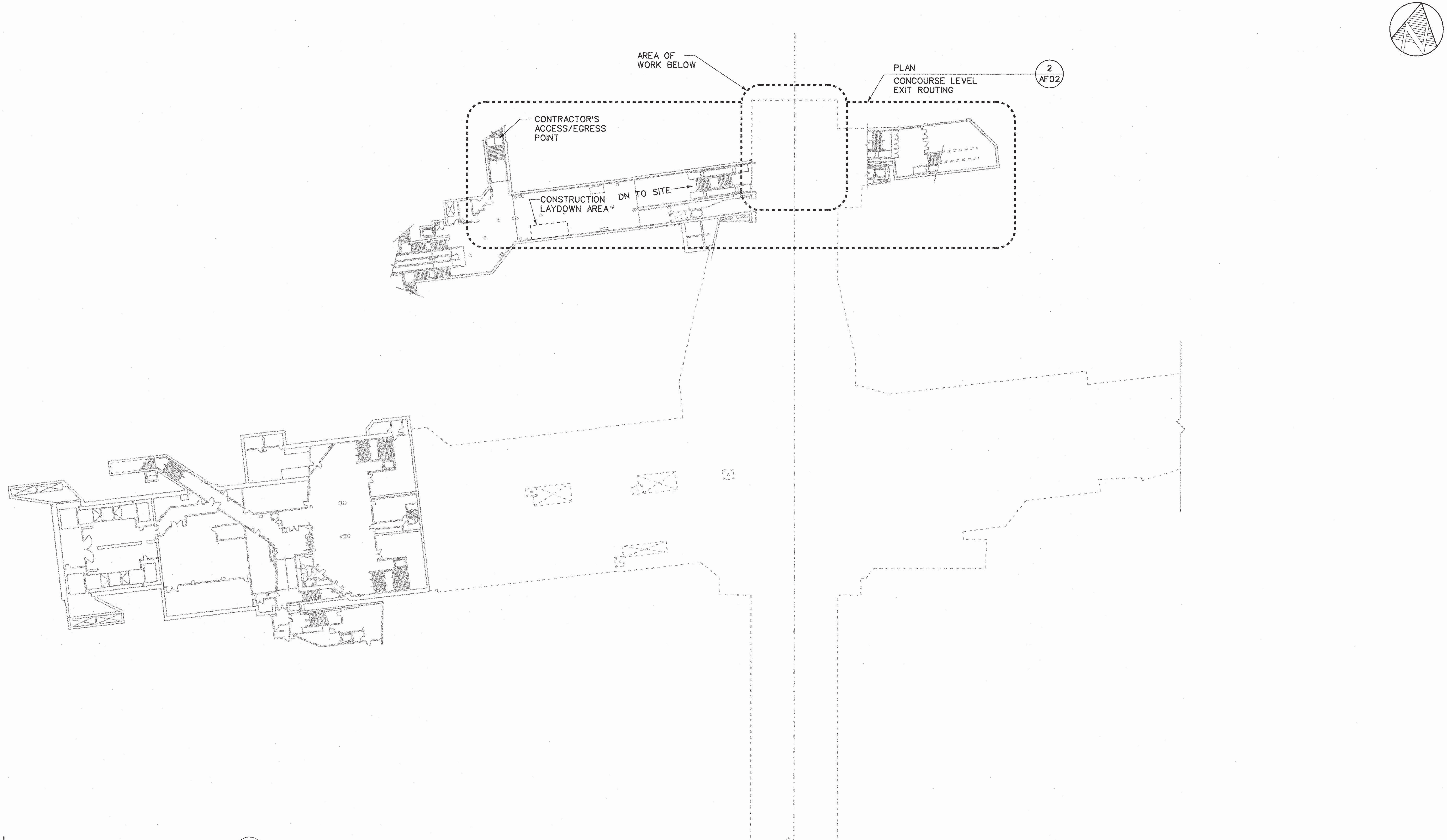
engbord3.dgn (BORDER) MAY 10, 2017

BLDG. REF. No.

FILENAME: NOR_2s_kpln_concrs_01.dgn

SHEET No. 008

DRAWING No. SH35-8-A151




PLAN
CONCOURSE LEVEL KEY PLAN
1
A151

| REVISIONS | REVISIONS |
|---|---|
| △ | △ |
| △ | △ |
| △ | △ |

ISSUED FOR CONSTRUCTION

NORR
ARCHITECTS ENGINEERS PLANNERS
NORR Limited
An Ingenium Group Company
175 Bloor St. East
North Tower, 15th Floor
Toronto, ON, Canada M4W 3R8
www.norr.com

ONTARIO ASSOCIATION OF ARCHITECTS
ROLF O. KAARTINEN
LICENCE
5183

| | | YYYY/MM/DD |
|---|---|---|
| DRAWN | A. ACLO | 2017/11/20 |
| CHECKED | K. AITKEN | 2018/11/27 |
| CORRECT | K. AITKEN | 2018/11/28 |

SCALE 0 5 10 15 20m

SHEPPARD STATION

STATION MANAGERS OFFICE AND ZONE HUB

KEY PLAN
CONCOURSE LEVEL

Contract: SH35-8

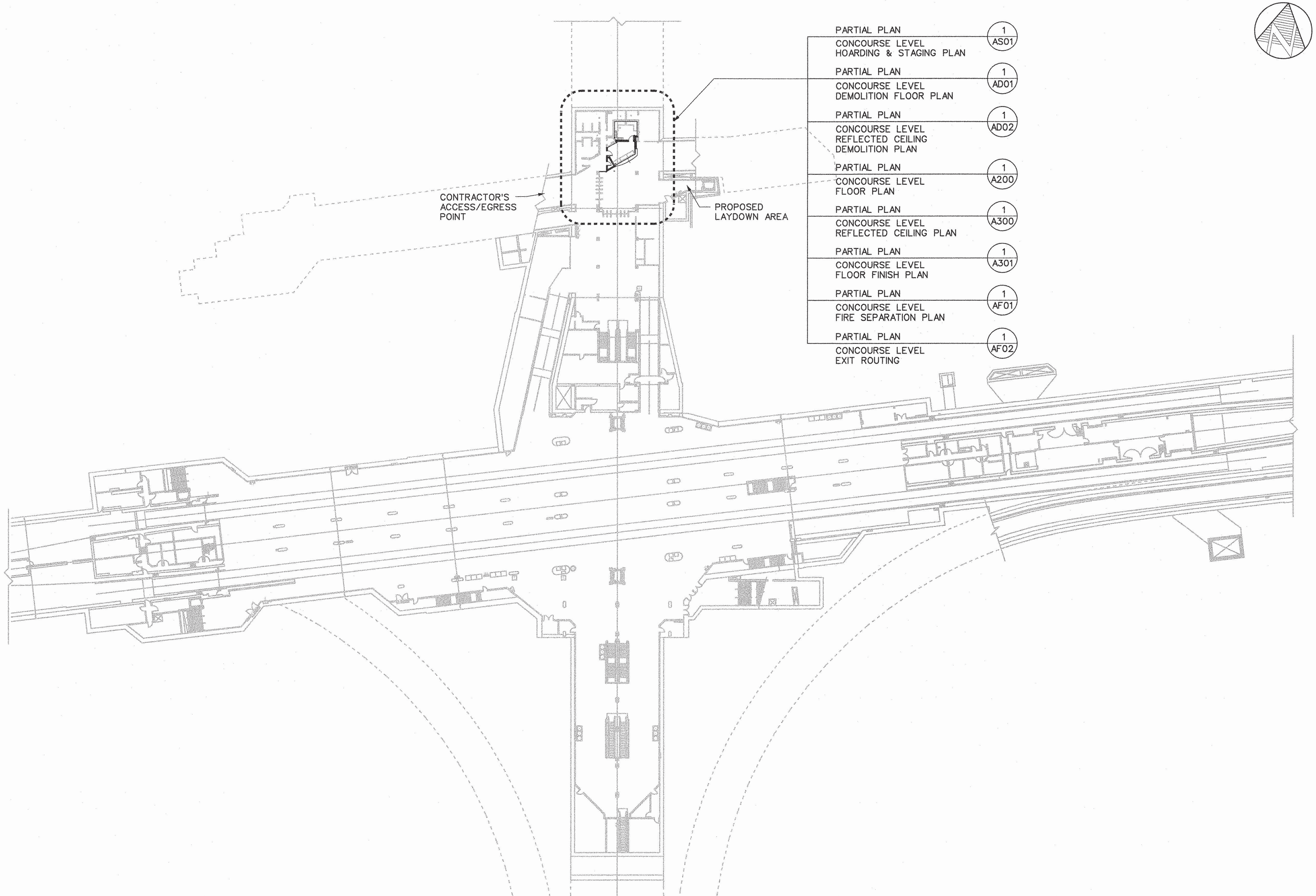
TORONTO TRANSIT COMMISSION
ENGINEERING DEPARTMENT

Dwg. No. SH35-8-A151 Rev. No. Sheet No. 008

Plot Date: 16-JUL-2019

CADD FILE NAME: NOR 2s kpln concrs 02.dgn

engbord3.dgn (BORDER) MAY 10, 2017




PLAN
CONCOURSE/PLATFORM LEVEL KEY PLAN 1 A152

| REVISIONS | REVISIONS |
|---|---|
| △ | △ |
| △ | △ |
| △ | △ |

ISSUED FOR CONSTRUCTION

NORR
ARCHITECTS ENGINEERS PLANNERS
NORR Limited
An Ingenium Group Company
175 Bloor St. East
North Tower, 15th Floor
Toronto, ON, Canada M4W 3R8
www.norr.com

ONTARIO ASSOCIATION OF ARCHITECTS
ROLF O. KAARTINEN
LICENCE
5183

| | | YYYY/MM/DD |
|---|---|---|
| DRAWN | R. BOYA | 2017/08/22 |
| CHECKED | K. AITKEN | 2018/11/27 |
| CORRECT | K. AITKEN | 2018/11/28 |

SCALE 0 5 10 15 20m

SHEPPARD STATION

STATION MANAGERS OFFICE AND ZONE HUB

KEY PLAN
CONCOURSE /PLATFORM LEVEL

Contract: SH35–8

TORONTO TRANSIT COMMISSION
ENGINEERING DEPARTMENT

Dwg. No. SH35–8–A152 Rev. No.

Sheet No. 009

Plot Date: 16–JUL–2019

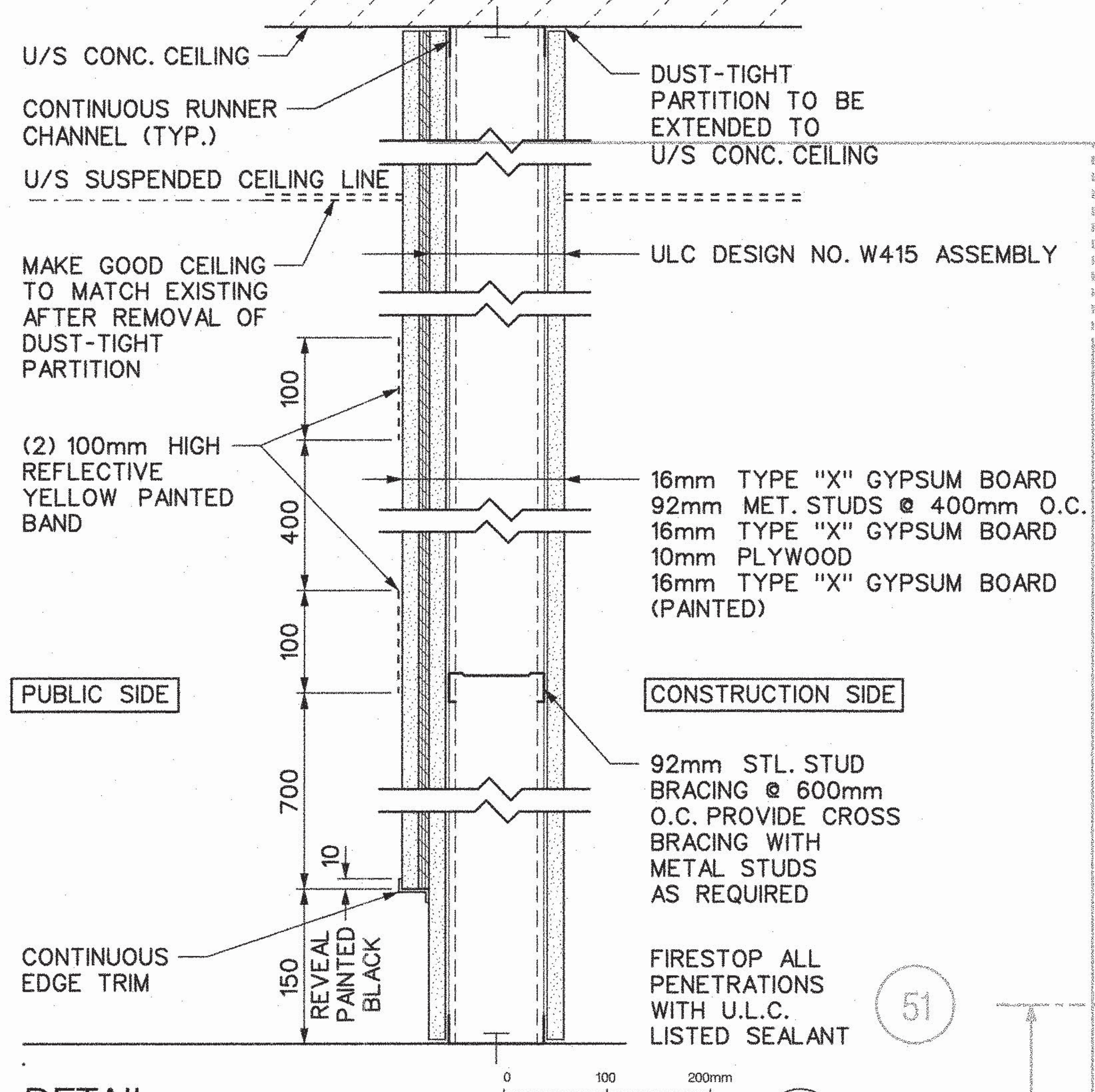
BLDG. REF. No.

FILENAME: NOR_2s_kpln_concrs_02.dgn

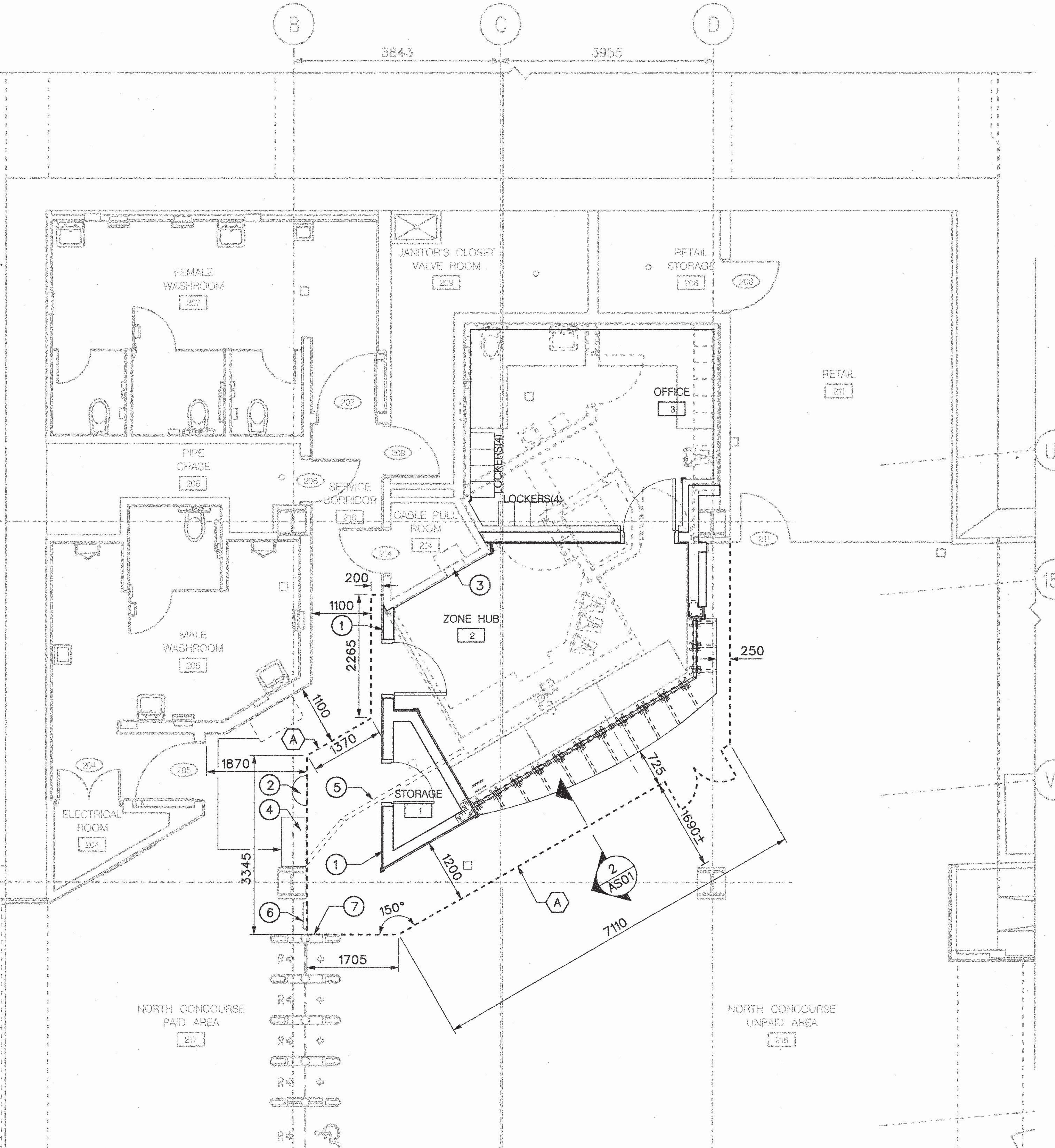
SHEET No. 009

DRAWING No. SH35–8–A152

CADD FILE NAME: NOR_2s_stg_concrs.dgn




DETAIL 2 / AS01
DUST-TIGHT PARTITION
TYPE 'B' (1 HOUR FIRE RATED) HOARDING




PARTIAL PLAN 1 / A152
CONCOURSE/PLATFORM LEVEL
HOARDING AND STAGING PLAN

## ENCLOSURES CONSTRUCTION NOTES:

1. CONTRACTOR TO DESIGN AND CONSTRUCT HOARDING IN ACCORDANCE WITH SPECIFICATIONS SECTION 01 50 00.
2. THE TYPE "B" (1 HR FIRE RATED) DUST-TIGHT PARTITION CONSISTS OF U.L.C. DESIGN No. W415 ASSEMBLY & ADDITIONAL EACH LAYER OF 10mm THK. PLYWOOD AND 16mm THK. GYPSUM BOARD. PROVIDE (3/4 HR FIRE RATED) H.M. DOORS & FRAMES WITH U.L.C. LISTED HARDWARE.
3. MAKE GOOD FLOOR AND CEILING TO MATCH EXISTING FINISHES AFTER REMOVAL OF DUST-TIGHT
4. EDGE TRIM TO BE FABRICATED FROM 0.7mm THK. (24 Ga) GALV. STEEL SHEET AND SCREWED TO VERTICAL METAL STUDS.
5. CONSTRUCT DUSTPROOF PARTITIONS TO UNDERSIDE OF FLOOR SLABS & EFFECTIVELY SEAL ALL JUNCTIONS. PAINT PUBLIC SIDE (SEE SPECIFICATIONS).
6. MAINTAIN CONSTRUCTION ENCLOSURES UNTIL WORK IS COMPLETE. CONFIGURATION OF ENCLOSURE MAY BE ALTERED TO FACILITATE SEQUENCES OF CONSTRUCTION.
7. ANY WORK TAKING PLACE OUTSIDE OF CONSTRUCTION HOARDING SHALL TAKE PLACE OUTSIDE TTC STATION OPERATING HOURS. WORK AREA SHALL BE CLEAN AND MADE SAFE DAILY REFER TO SPECIFICATIONS.

## DRAWING NOTES:

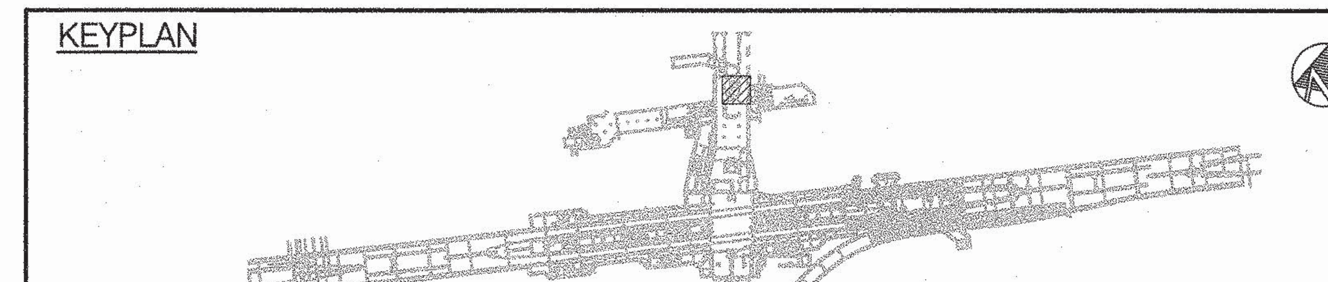
1. FINISHES TO OUTSIDE FACE OF PERIMETER WALLS SHALL TAKE PLACE OUTSIDE TTC STATION OPERATING HOURS. WORK AREA SHALL BE CLEAN AND MADE SAFE DAILY. REFER TO SPECIFICATIONS.
2. TEMPORARY DOMED SECURITY MIRROR
3. EXISTING WALL-MOUNTED FIRE ALARM PANEL TO REMAIN. ENSURE FULL-TIME ACCESS FOR TTC PERSONNEL FOR DURATION OF CONSTRUCTION.
4. TEMPORARY LOCATION OF METAL FLOOR CABINET (920 X 460 X 1070) FOR DURATION OF CONSTRUCTION. RE-LOCATE WALL-MOUNTED AED CABINET AND WALL MOUNTED SAFETY PLAN CABINET TO HOARDING WALL. RELOCATE TO ORIGINAL LOCATION UPON COMPLETION OF WORK.
5. EXISTING FARE LINE BARRIER TO BE REMOVED AND STORED FOR RE-USE.
6. FARE LINE BARRIER TO REMAIN.
7. HOARDING SHALL NOT INTERFERE WITH FARE LINE ACCESS

LEGEND: ----------

HOARDING TYPE:

A HOARDING REFER TO DETAIL 2/AS01. HOARDING DIMENSIONS ARE TO PUBLIC SIDE FINISHED FACE OF HOARDING.

KEYPLAN



| REVISIONS | REVISIONS |
|---|---|
| | |

ISSUED FOR CONSTRUCTION

NORR
ARCHITECTS ENGINEERS PLANNERS
NORR Limited
An Ingenium Group Company
175 Bloor St. East
North Tower, 15th Floor
Toronto, ON, Canada M4W 3R8
www.norr.com

ONTARIO ASSOCIATION OF ARCHITECTS
ROLF KAARTINEN
LICENCE 5183

| | | YYYY/MM/DD |
|---|---|---|
| DRAWN | R. BOYA | 2017/08/11 |
| CHECKED | K. AITKEN | 2018/11/27 |
| CORRECT | K. AITKEN | 2018/11/28 |

SCALE 0 1 2m

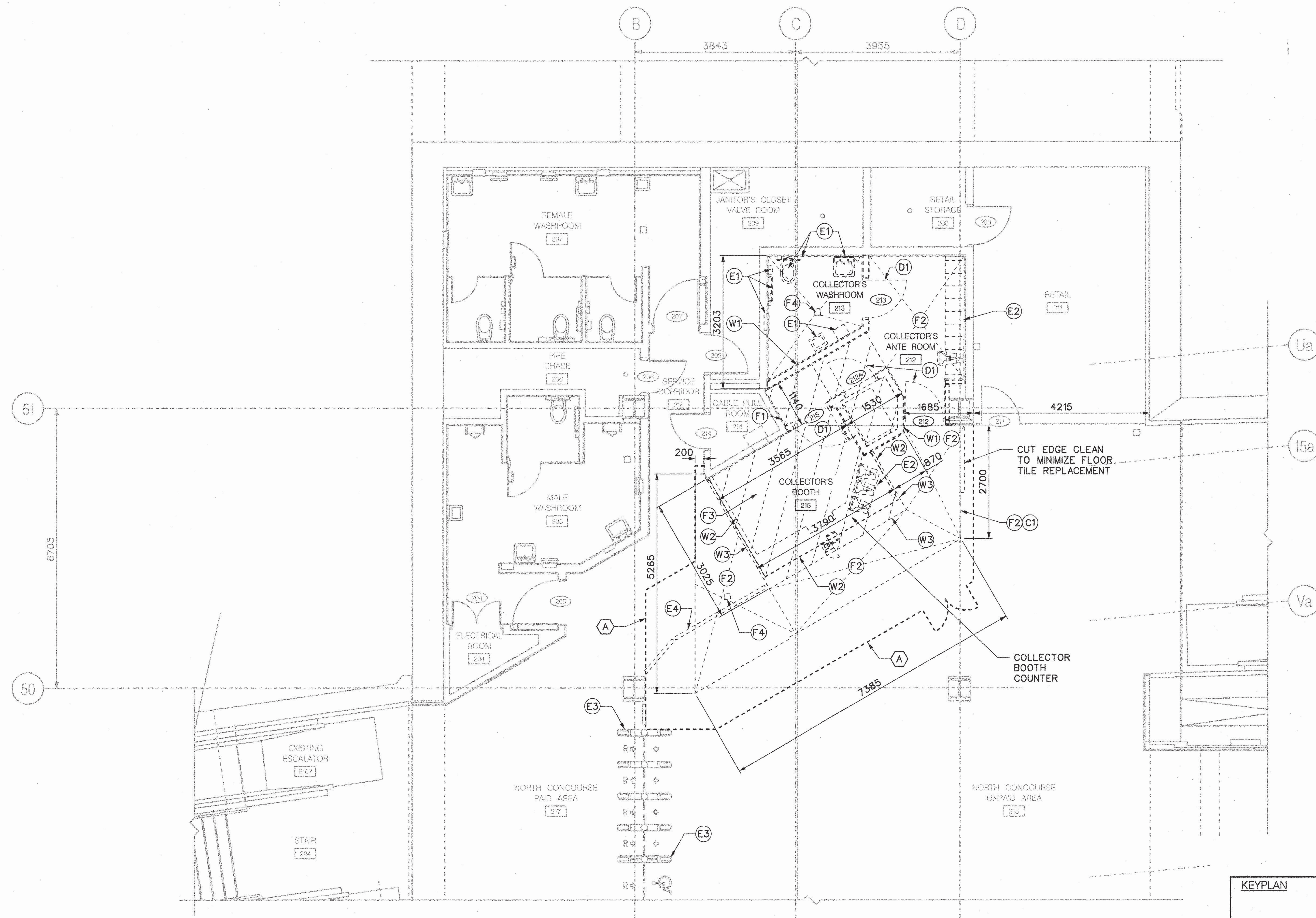
SHEPPARD STATION
STATION MANAGERS OFFICE AND ZONE HUB
HOARDING AND STAGING PLAN
CONCOURSE LEVEL

Contract: SH35-8
TORONTO TRANSIT COMMISSION
ENGINEERING DEPARTMENT
Dwg. No. SH35-8-AS01 Rev. No. Sheet No. 010
Plot Date: 16-JUL-2019

engbord3.dgn (BORDER) MAY 10, 2017
BLDG. REF. No.
FILENAME: NOR_2s_stg_concrs.dgn
SHEET No. 010
DRAWING No. SH35-8-AS01

CADD FILE NAME: NOR 2s demo pln concrs.dgn

engbord3.dgn (BORDER) MAY 10, 2017




## PARTIAL PLAN

CONCOURSE LEVEL DEMOLITION FLOOR PLAN

1 / A152

LEGEND:

- EXISTING CONSTRUCTION
- DEMOLITION
- EXTENT OF RAISED CONCRETE FLOOR TO BE REMOVED. SEE NOTE F3.
- HOARDING LINE

GENERAL NOTES:

1. ALL FIELD MEASUREMENTS SHALL BE SITE VERIFIED.
2. MAKE GOOD ALL SURFACES OF SUBSTRATE MATERIALS WHERE ITEMS HAVE BEEN REMOVED.
3. MECHANICAL - REFER TO MECH. DWGS. & SPEC. FOR DEMOLITION INFORMATION.
4. ELECTRICAL - REFER TO ELEC. DWGS. & SPEC. FOR DEMOLITION INFORMATION.
5. CONTRACTOR IS TO VISIT SITE & EXAMINE ALL FINISHES & BLDG ELEMENTS TO BE REMOVED.
6. WASHROOM ACCESS TO BE MAINTAINED DURING CONSTRUCTION.
7. MAINTAIN ACCESS TO ELECTRICAL ROOM, CABLE PULL ROOM AND VALVE ROOM DURING CONSTRUCTION.

DRAWING NOTES:

- C1 CEILING REMOVAL, REFER TO DWG AD02
- D1 REMOVE EXISTING DOOR & FRAME
- E1 REMOVE ALL EXISTING WASHROOM FIXTURES AND ACCESSORIES
- E2 REMOVE ALL EXISTING MILLWORK, EQUIPMENT AND FIXTURES
- E3 EXISTING FARE LINES (NIC)
- E4 REMOVE EXISTING FARE LINE BARRIER AND STORE FOR FUTURE USE.
- F1 REMOVE EXISTING WALL FINISHES TO EXPOSE CONCRETE / CONCRETE BLOCK
- F2 REMOVE EXTENT OF EXISTING FLOOR FINISHES. SALVAGE MINIMUM 4sm OF TILE FROM CONCOURSE FOR RE-USE.
- F3 EXISTING 100mm RAISED CONCRETE FLOOR TO BE REMOVED
- F4 EXIST F.D. REFER TO MECH. FOR EXTENT OF WORK. PATCH AND REPAIR FIRE RATED FLOOR SLAB WHERE EXISTING FLOOR DRAIN AND SANITARY VENT ARE REMOVED.
- W1 REMOVE EXISTING CONCRETE BLOCK WALL AS INDICATED
- W2 REMOVE EXISTING FRAMED WALL AS INDICATED. INCLUDING GLAZING
- W3 REMOVE EXISTING CONCRETE CURB
- A HOARDING. REFER TO DETAIL 2/AS01. HOARDING DIMENSIONS ARE TO PUBLIC SIDE FINISHED FACE OF HOARDING.

KEYPLAN

| REVISIONS | REVISIONS |
|---|---|
| | |
| | |
| | |

ISSUED FOR CONSTRUCTION

NORR
ARCHITECTS ENGINEERS PLANNERS
NORR Limited
An Ingenium Group Company
175 Bloor St. East
North Tower, 15th Floor
Toronto, ON, Canada M4W 3R8
www.norr.com

ONTARIO ASSOCIATION OF ARCHITECTS
ROLFE D. MARTINEN
LICENCE 5183

| | | YYYY/MM/DD |
|---|---|---|
| DRAWN | R. BOYA | 2017/08/07 |
| CHECKED | K. AITKEN | 2018/11/27 |
| CORRECT | K. AITKEN | 2018/11/28 |

SCALE 0 1 2m

SHEPPARD STATION

STATION MANAGERS OFFICE AND ZONE HUB

DEMOLITION FLOOR PLAN CONCOURSE LEVEL

Contract: SH35-8

TORONTO TRANSIT COMMISSION
ENGINEERING DEPARTMENT

Dwg. No. SH35-8-AD01 | Rev. No. | Sheet No. 011

Plot Date: 16-JUL-2019

BLDG. REF. No.

FILENAME: NOR_2s_demo_pln_concrs.dgn

SHEET No. 011

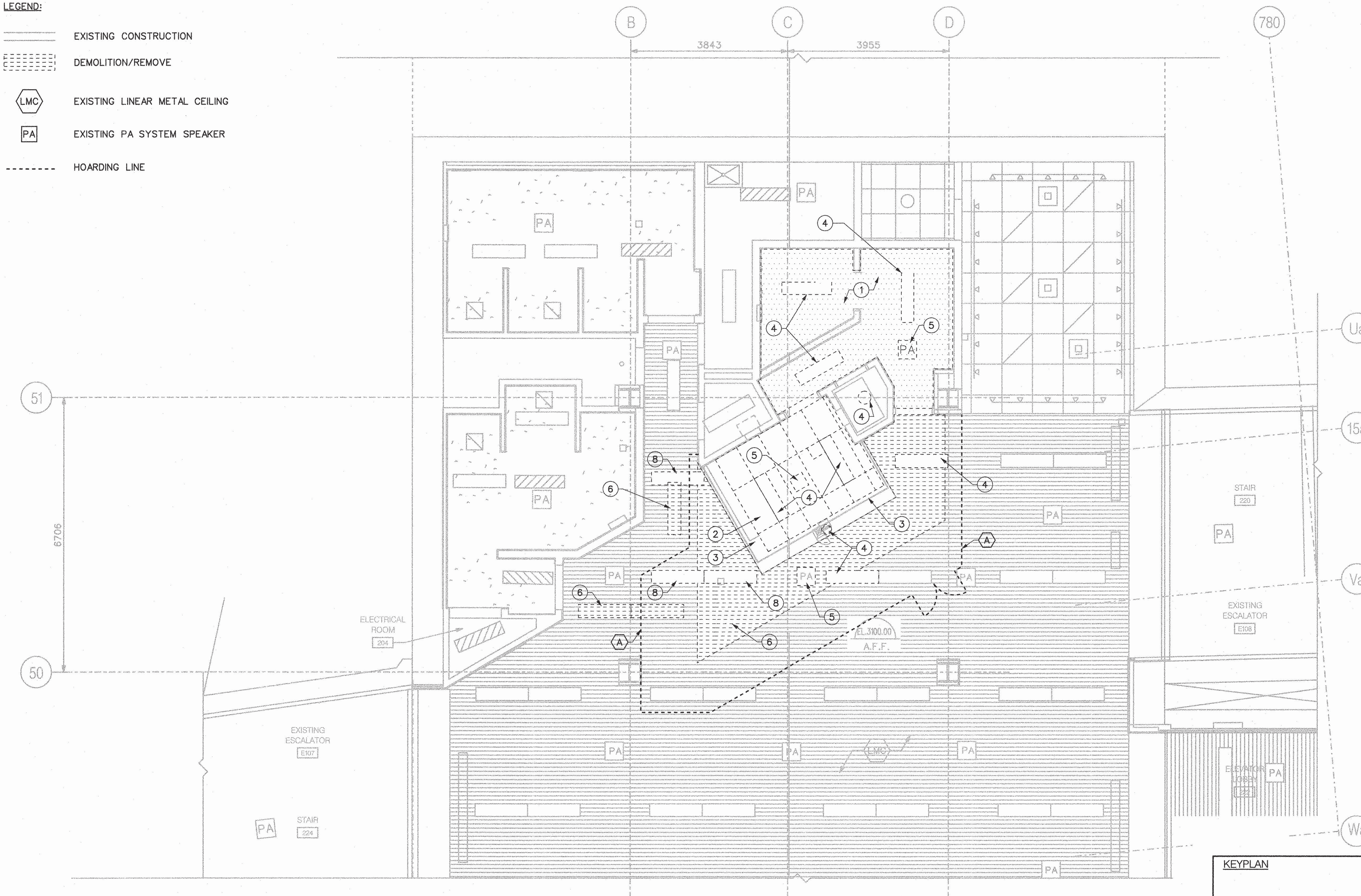
DRAWING No. SH35-8-AD01

CADD FILE NAME: NOR 2s demo rcp concrs.dgn

engbord3.dgn (BORDER) MAY 10, 2017

**LEGEND:**

- EXISTING CONSTRUCTION
- DEMOLITION/REMOVE
- LMC — EXISTING LINEAR METAL CEILING
- PA — EXISTING PA SYSTEM SPEAKER
- HOARDING LINE




PARTIAL PLAN
CONCOURSE LEVEL
REFLECTED CEILING DEMOLITION PLAN

1
A152

**GENERAL NOTES :**

1. ALL FIELD MEASUREMENTS SHALL BE SITE VERIFIED.
2. MAKE GOOD ALL SURFACES OF SUBSTRATE MATERIALS WHERE ITEMS HAVE BEEN REMOVED. TTC FORCES TO REMOVE LINEAR METAL CEILING.
3. MECHANICAL - REFER TO MECH. DWGS. & SPEC. FOR DEMOLITION INFORMATION.
4. ELECTRICAL - REFER TO ELEC. DWGS. & SPEC. FOR DEMOLITION INFORMATION.
5. CONTRACTOR IS TO VISIT SITE & EXAMINE ALL FINISHES & BLDG ELEMENTS TO BE REMOVED.
6. WASHROOM ACCESS TO BE MAINTAINED DURING CONSTRUCTION
7. MAINTAIN ACCESS TO ELECTRICAL ROOM, CABLE PULL ROOM AND VALVE ROOM DURING CONSTRUCTION
8. REMOVE AND STORE AS REQUIRED ALL SUSPENDED CEILING ASSEMBLIES IN THE IMMEDIATE AREA TO ACHIEVE THE ABOVE.

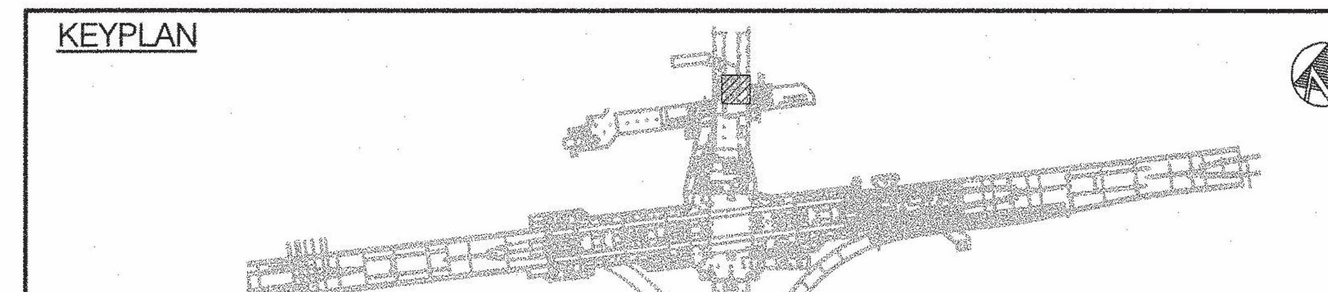
**DRAWING NOTES :**

1. REMOVE EXISTING CEMENT BOARD CEILING
2. REMOVE EXISTING ACOUSTIC CEILING TILE
3. REMOVE EXISTING S. ST. FIN-1 ON PLYWOOD SOFFIT/BULKHEAD
4. REMOVE EXISTING LIGHT FIXTURE, REFER TO ELEC. DWG.
5. EXISTING PA SPEAKERS AND CCTV CAMERAS TO BE REMOVED AND REINSTATED BY TTC. COORDINATE EXTENT AND SCHEDULE OF REMOVAL AND REINSTATEMENT WITH TTC PRIOR TO COMMENCING WORK.
6. EXISTING LINEAR METAL CEILING TO BE REMOVED AND REINSTATED BY TTC. COORDINATE EXTENT AND SCHEDULE OF REMOVAL AND REINSTATEMENT WITH TTC PRIOR TO COMMENCING WORK.
7. REMOVE EXISTING VENT. REFER TO MECH. DWG. EXIST F.D. REFER TO MECH. FOR EXTENT OF WORK. PATCH AND REPAIR FIRE RATED FLOOR SLAB WHERE EXISTING FLOOR DRAIN AND SANITARY VENT ARE REMOVED.
8. RELOCATE EXISTING LIGHT FIXTURE. REFER TO ELEC. DWG.

A. HOARDING. REFER TO DETAIL 2/AS01. HOARDING DIMENSIONS ARE TO PUBLIC SIDE FINISHED FACE OF HOARDING.

EXIST F.D. REFER TO MECH. FOR EXTENT OF WORK. PATCH AND REPAIR FIRE RATED FLOOR SLAB WHERE EXISTING FLOOR DRAIN AND SANITARY VENT ARE REMOVED.

KEYPLAN



BLDG. REF. No.

FILENAME: NOR_2s_demo_rcp_concrs.dgn

SHEET No. 012

DRAWING No. SH35-8-AD02

| REVISIONS | REVISIONS |
|---|---|
| | |
| | |
| | |

ISSUED FOR CONSTRUCTION

NORR
ARCHITECTS ENGINEERS PLANNERS
NORR Limited
An Ingenium Group Company
175 Bloor St. East
North Tower, 15th Floor
Toronto, ON, Canada M4W 3R8
www.norr.com

ONTARIO ASSOCIATION OF ARCHITECTS
ROLF-TAARTINEN
LICENCE
5183

| | | YYYY/MM/DD |
|---|---|---|
| DRAWN | A. ACLO | 2017/09/14 |
| CHECKED | K. AITKEN | 2018/11/27 |
| CORRECT | K. AITKEN | 2018/11/28 |

SCALE 0 1 2m

SHEPPARD STATION

STATION MANAGERS OFFICE AND ZONE HUB

REFLECTED CEILING DEMOLITION PLAN
CONCOURSE LEVEL

Contract: SH35-8

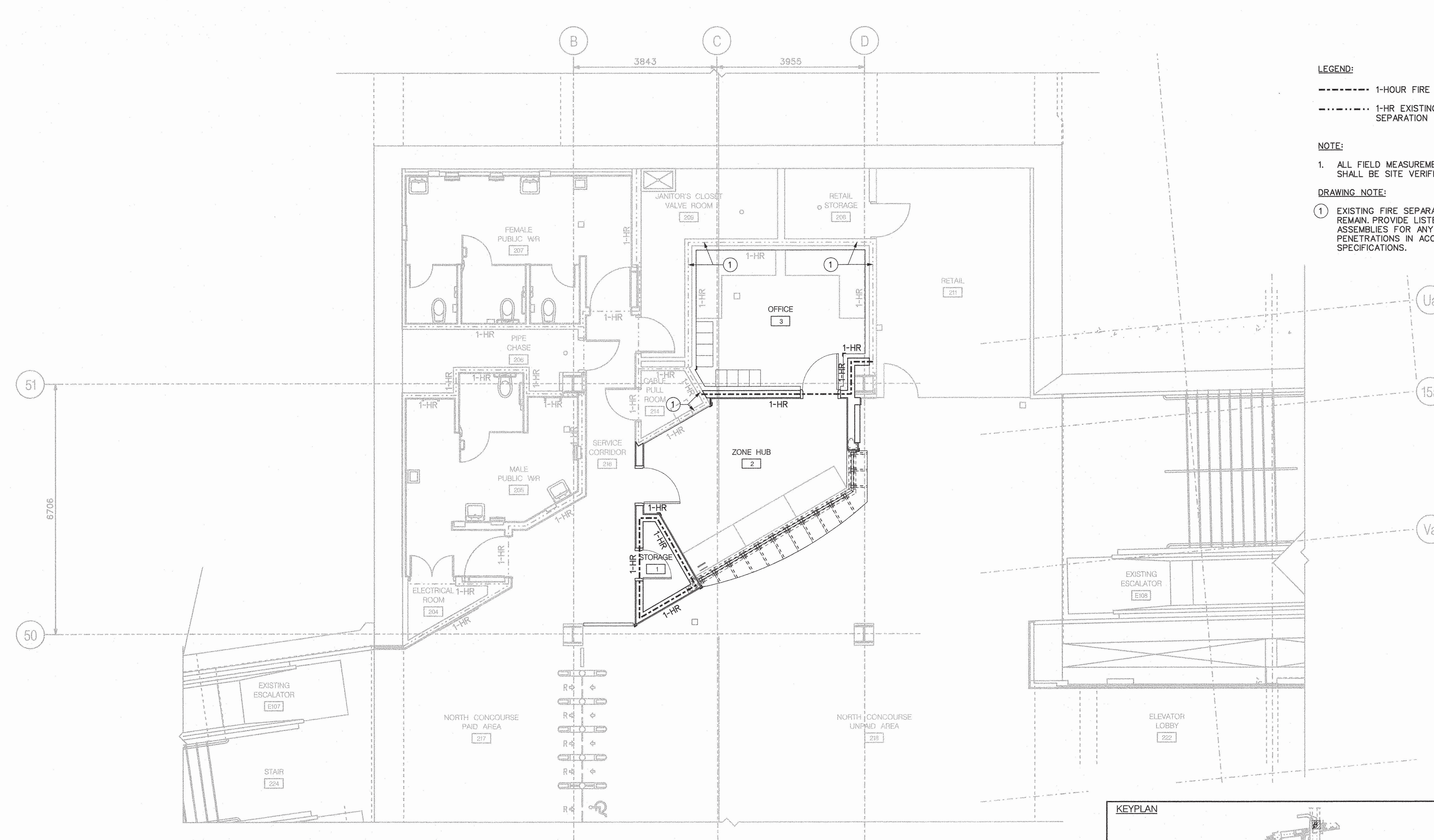
TORONTO TRANSIT COMMISSION
ENGINEERING DEPARTMENT

| Dwg. No. | Rev. No. | Sheet No. |
|---|---|---|
| SH35-8-AD02 | | 012 |

Plot Date: 16-JUL-2019

CADD FILE NAME: NOR 2s fsp concrs.dgn

engbord3.dgn (BORDER) MAY 10, 2017




LEGEND:

- 1-HOUR FIRE SEPARATION
- 1-HR EXISTING FIRE SEPARATION

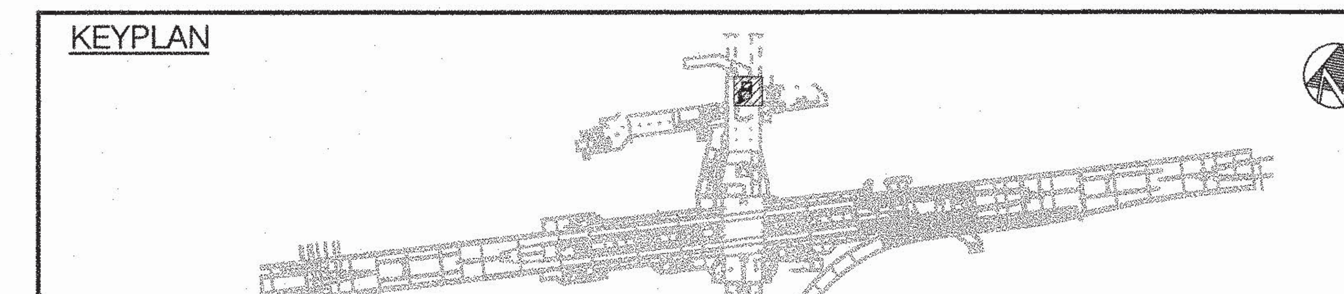
NOTE:

1. ALL FIELD MEASUREMENTS SHALL BE SITE VERIFIED.

DRAWING NOTE:

(1) EXISTING FIRE SEPARATION TO REMAIN. PROVIDE LISTED FIRE-STOP ASSEMBLIES FOR ANY NEW PENETRATIONS IN ACCORDANCE WITH SPECIFICATIONS.

KEYPLAN



## PARTIAL PLAN

CONCOURSE LEVEL FIRE SEPARATION PLAN — 1 / A152

BLDG. REF. No.

FILENAME: NOR_2s_fsp_concrs.dgn

SHEET No. 013

DRAWING No. SH35-8-AF01

| REVISIONS | REVISIONS |
|---|---|
| | |
| | |
| | |

ISSUED FOR CONSTRUCTION

NORR
ARCHITECTS ENGINEERS PLANNERS
NORR Limited
An Ingenium Group Company
175 Bloor St. East
North Tower, 15th Floor
Toronto, ON, Canada M4W 3R8
www.norr.com

ONTARIO ASSOCIATION of ARCHITECTS — ROLF-BO KAARTINEN — LICENCE 5183

| | | YYYY/MM/DD |
|---|---|---|
| DRAWN | A. ACLO | 2017/09/15 |
| CHECKED | K. AITKEN | 2018/11/27 |
| CORRECT | K. AITKEN | 2018/11/28 |

SCALE 0 1 2m

SHEPPARD STATION

STATION MANAGERS OFFICE AND ZONE HUB

FIRE SEPARATION PLAN
CONCOURSE LEVEL

Contract: SH35-8

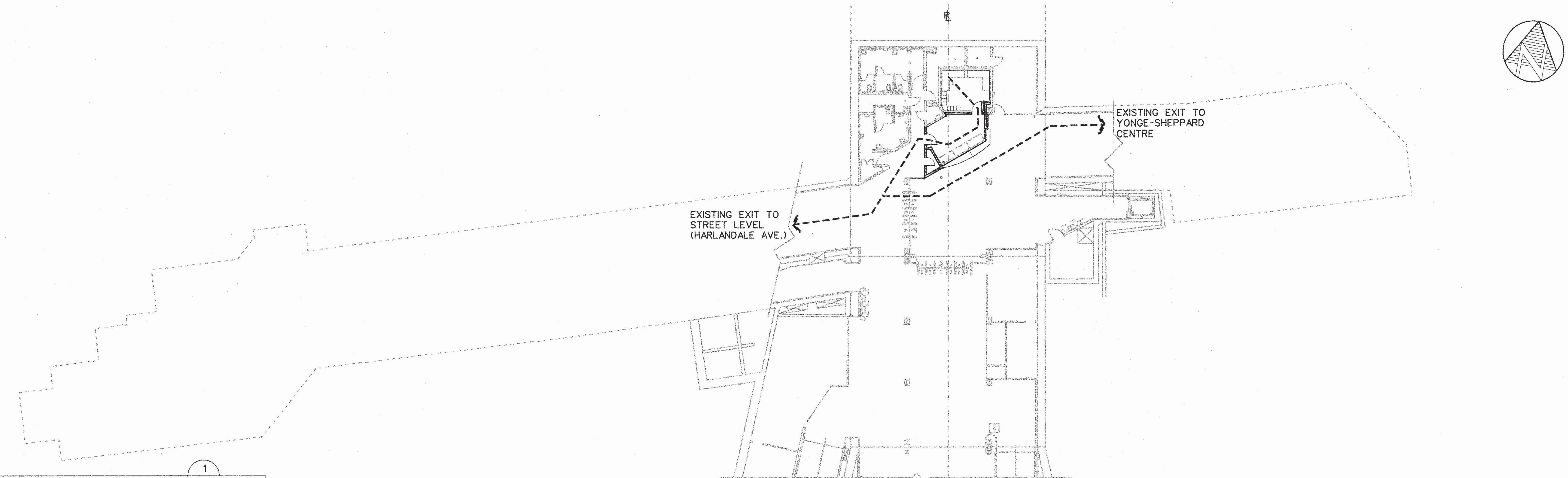
TORONTO TRANSIT COMMISSION
ENGINEERING DEPARTMENT

| Dwg. No. | Rev. No. | Sheet No. |
|---|---|---|
| SH35-8-AF01 | | 013 |

Plot Date: 16-JUL-2019

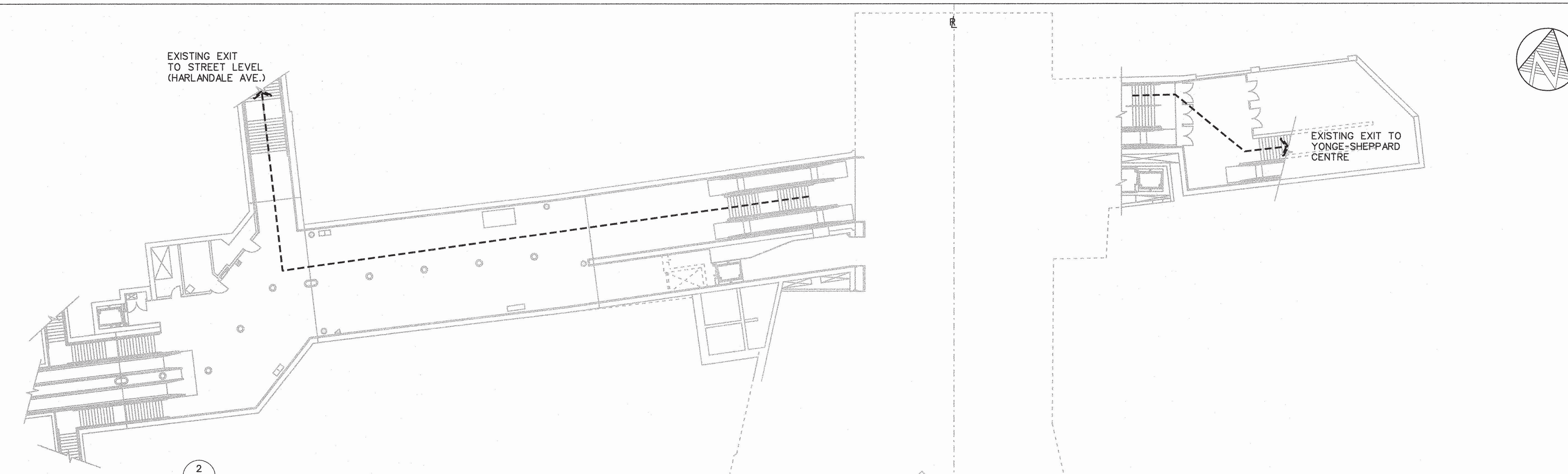
CADD FILE NAME: NOR_2s_pln_concrs_02.dgn

engbord3.dgn (BORDER) MAY 10, 2017




PARTIAL PLAN
CONCOURSE LEVEL EXIT ROUTING
1
A152

BLDG. REF. No.




PARTIAL PLAN
CONCOURSE LEVEL EXIT ROUTING
2
A151

FILENAME: NOR_2s_pln_concrs_02.dgn

SHEET No. 014

DRAWING No. SH35-8-AF02

| REVISIONS | REVISIONS |
|---|---|
| △ | △ |
| △ | △ |
| △ | △ |

ISSUED FOR CONSTRUCTION

**NORR**
ARCHITECTS ENGINEERS PLANNERS
NORR Limited
An Ingenium Group Company
175 Bloor St. East
North Tower, 15th Floor
Toronto, ON, Canada M4W 3R8
www.norr.com

ONTARIO ASSOCIATION OF ARCHITECTS
ROLFE ... MARTINEN
LICENCE
5183

| | | YYYY/MM/DD |
|---|---|---|
| DRAWN | A. ACLO | 2017/11/28 |
| CHECKED | K. AITKEN | 2018/11/27 |
| CORRECT | K. AITKEN | 2018/11/28 |

SCALE 0 1 2 3 4 5 8m

SHEPPARD STATION

STATION MANAGERS OFFICE AND ZONE HUB

EXIT ROUTING
CONCOURSE LEVEL

Contract: SH35-8

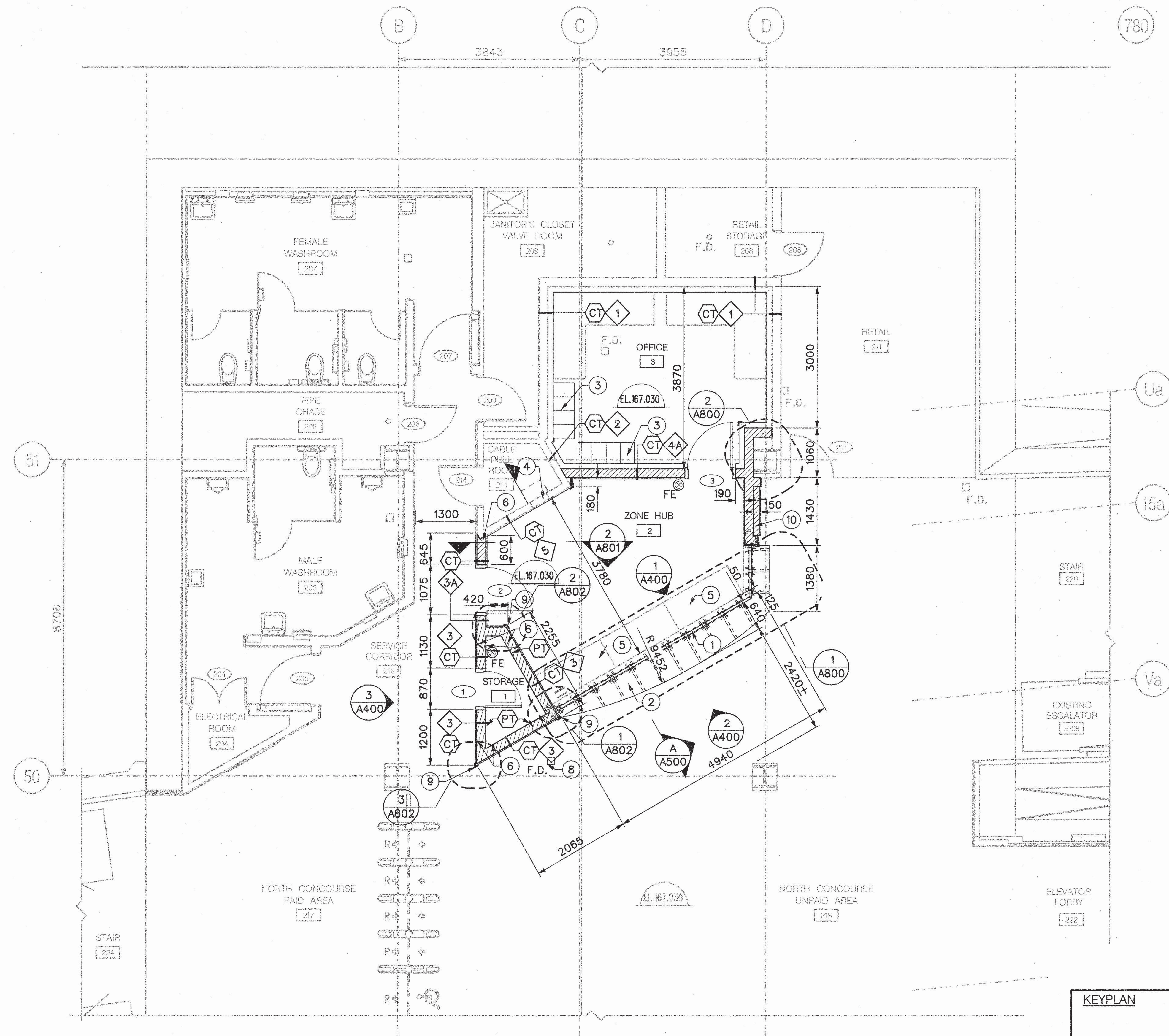
TORONTO TRANSIT COMMISSION
ENGINEERING DEPARTMENT

| Dwg. No. | Rev. No. | Sheet No. |
|---|---|---|
| SH35-8-AF02 | | 014 |

Plot Date: 16-JUL-2019

CADD FILE NAME: NOR 2s pln concrs 01.dgn

engbord3.dgn (BORDER) MAY 10, 2017




PARTIAL PLAN

CONCOURSE LEVEL FLOOR PLAN

1
A152

NOTE:

1. ALL FIELD MEASUREMENTS SHALL BE SITE VERIFIED.

LEGEND:

1 WALL TYPE

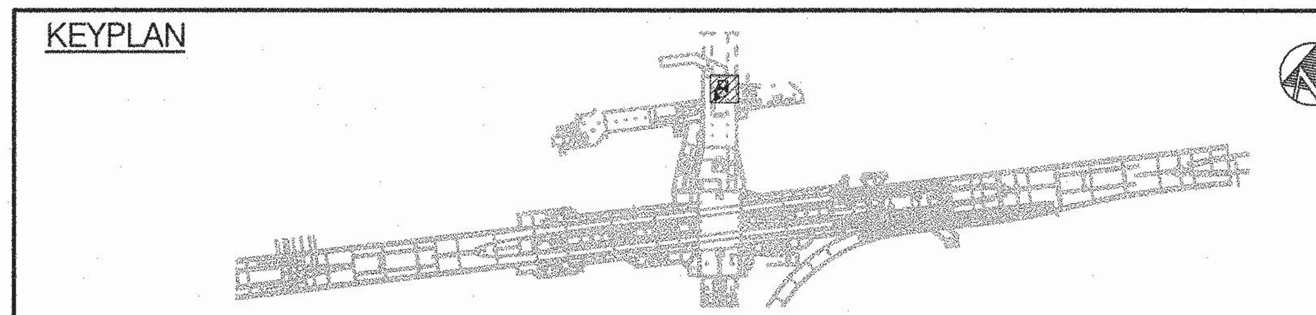
CT NEW 300 X 300mm CERAMIC TILE FINISH

PT NEW PAINT FINISH

DRAWING NOTES:

1. 13.5mm THK TEMPERED LAMINATED GLASS ON S.ST. ANGLE FOR GLAZING (GL-1)
2. 25mm THK COUNTERTOP WITH SS CLADDING
3. DOUBLE TIER LOCKERS (4)
4. EXIST FA PANEL TO REMAIN
5. WORKSTATIONS - SUPPLY AND INSTALLATION BY OTHERS (NIC).
6. NEW 190 MM THICK CONCRETE BLOCK W/ 15@800 VERT REINFORCING & 3.6mm JOINT HORIZ. REINFORCING @400 O/C.
7. NEW FLOOR DRAIN. REFER TO MECHANICAL DRAWING.
8. RELOCATED FLOOR DRAIN. REFER TO MECHANICAL DRAWING.
9. STAINLESS STEEL CORNER GUARD. REFER TO A802
10. NEW SEMI-RECESSED FA PANEL

KEYPLAN



| REVISIONS | REVISIONS |
|---|---|
| △ | △ |
| △ | △ |
| △ | △ |

ISSUED FOR CONSTRUCTION

NORR
ARCHITECTS ENGINEERS PLANNERS
NORR Limited
An Ingenium Group Company
175 Bloor St. East
North Tower, 15th Floor
Toronto, ON, Canada M4W 3R8
www.norr.com

ONTARIO ASSOCIATION OF ARCHITECTS
ROLFE D. KAARTINEN
LICENCE
5183

| | | YYYY/MM/DD |
|---|---|---|
| DRAWN | R. BOYA / A. ACLO | 2017/08/11 |
| CHECKED | K. AITKEN | 2018/11/27 |
| CORRECT | K. AITKEN | 2018/11/28 |

SCALE 0 1 2m

SHEPPARD STATION

STATION MANAGERS OFFICE AND ZONE HUB

FLOOR PLAN
CONCOURSE LEVEL

Contract: SH35-8

TORONTO TRANSIT COMMISSION
ENGINEERING DEPARTMENT

| Dwg. No. | Rev. No. | Sheet No. |
|---|---|---|
| SH35-8-A200 | | 015 |

Plot Date: 16-JUL-2019

BLDG. REF. No.

FILENAME: NOR_2s_pln_concrs_01.dgn

SHEET No. 015

DRAWING No. SH35-8-A200

CADD FILE NAME: NOR 2s rcp concrs.dgn

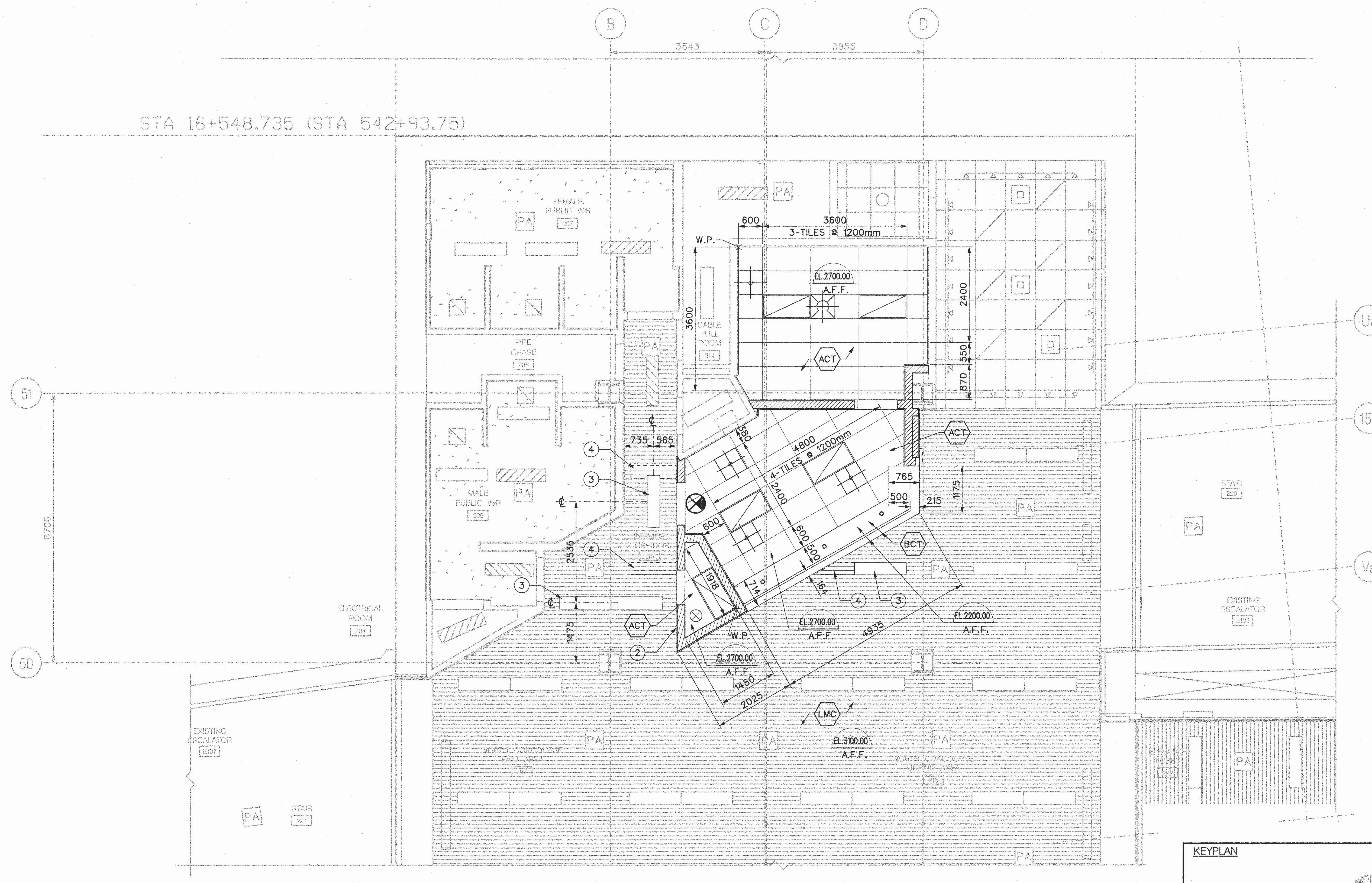
engbord3.dgn (BORDER) MAY 10, 2017

BLDG. REF. No.

FILENAME: NOR_2s_rcp_concrs.dgn

SHEET No. 016

DRAWING No. SH35-8-A300




LEGENDS:

- ACT — ACOUSTICAL CEILING TILE
- BCT — STAINLESS STEEL BULKHEAD
- LMC — EXISTING LINEAR METAL CEILING
- PA — EXISTING PA SYSTEM SPEAKER
- PA — PA SYSYTEM SPEAKER REFER TO ELEC. DWGS.
- SUPPLY AIR DIFFUSER REFER TO MECH. DWGS.
- RETURN AIR / EXHAUST AIR REFER TO MECH. DWGS.
- DOWN LIGHTS REFER TO ELEC. DWGS.
- 610mm X 1220mm RECESSED LIGHT REFER TO ELEC. DWGS.

DRAWING NOTE:

1. ALL FIELD MEASUREMENTS SHALL BE SITE VERIFIED.
2. EXIST LINEAR METAL CEILING TO BE CUT TO FIT NEW LAYOUT MAKE GOOD ALL FINISHES. TTC FORCES TO INSTALL LINEAR METAL CEILING
3. RELOCATED LIGHTING IN CONCOURSE. REFER TO ELEC. DWGS.
4. REINSTATEMENT OF EXISTING LINEAR METAL CEILING BY TTC. COORDINATE REINSTATEMENT WITH TTC PRIOR TO COMMENCING WORK.

KEYPLAN

PARTIAL PLAN

CONCOURSE LEVEL REFLECTED CEILING PLAN

1 A152

| REVISIONS | REVISIONS |
|---|---|
| | |

ISSUED FOR CONSTRUCTION

NORR
ARCHITECTS ENGINEERS PLANNERS
NORR Limited
An Ingenium Group Company
175 Bloor St. East
North Tower, 15th Floor
Toronto, ON, Canada M4W 3R8
www.norr.com

ONTARIO ASSOCIATION OF ARCHITECTS
ROLFE KAARTINEN LICENCE 5183

| | | YYYY/MM/DD |
|---|---|---|
| DRAWN | A. ACLO | 2017/09/14 |
| CHECKED | K. AITKEN | 2018/11/27 |
| CORRECT | K. AITKEN | 2018/11/28 |

SCALE 0 1 2m

SHEPPARD STATION

STATION MANAGERS OFFICE AND ZONE HUB

REFLECTED CEILING PLAN CONCOURSE LEVEL

Contract: SH35-8

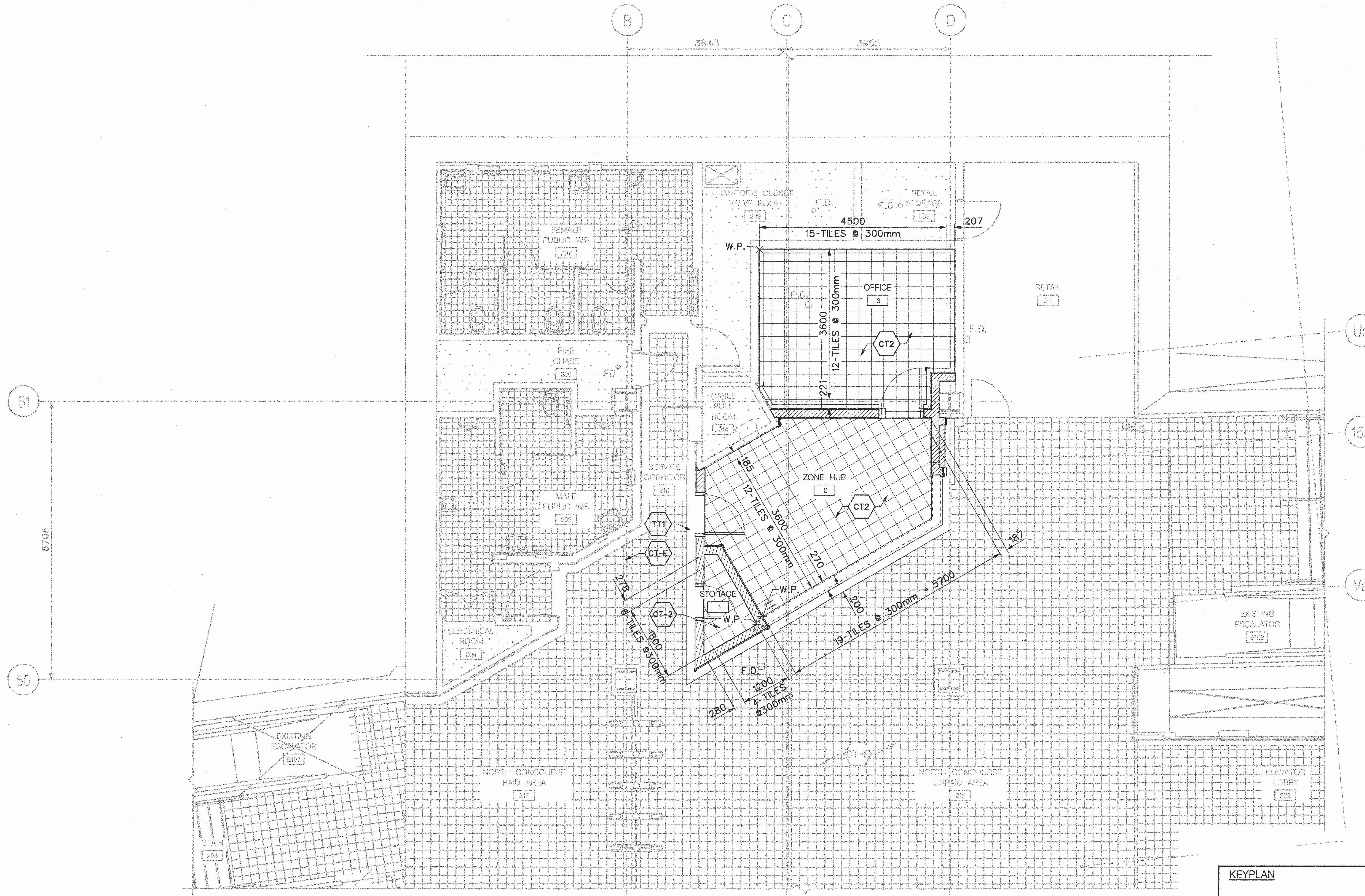
TORONTO TRANSIT COMMISSION
ENGINEERING DEPARTMENT

| Dwg. No. | Rev. No. | Sheet No. |
|---|---|---|
| SH35-8-A300 | | 016 |

Plot Date: 16-JUL-2019

CADD FILE NAME: NOR 2s ffp concrs.dgn

engbord3.dgn (BORDER) MAY 10, 2017



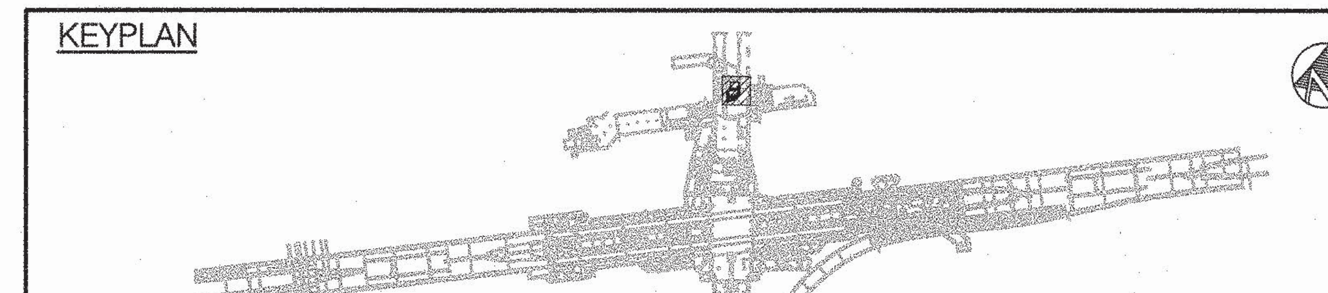

**LEGEND:**

- CT-E — EXISTING CERAMIC FLOOR TILE PATCH AND REPAIR AS REQUIRED TO MAKE GOOD NEW EDGES
- CT2 — NEW 300x300mm CERAMIC FLOOR TILE
- TT1 — NEW 200mm WIDE TERRAZZO COVE BASE

**NOTES:**

1. ALL FIELD MEASUREMENTS SHALL BE SITE VERIFIED.
2. PATCH AND REPAIR EXISTING FLOOR FINISH AT NEW FLOOR DRAIN LOCATION AS SHOWN ON DRAWING M204.

KEYPLAN



## PARTIAL PLAN

CONCOURSE LEVEL FLOOR FINISH PLAN — 1 / A152

| REVISIONS | REVISIONS |
|---|---|
| | |
| | |
| | |

ISSUED FOR CONSTRUCTION

NORR
ARCHITECTS ENGINEERS PLANNERS
NORR Limited
An Ingenium Group Company
175 Bloor St. East
North Tower, 15th Floor
Toronto, ON, Canada M4W 3R8
www.norr.com

ONTARIO ASSOCIATION OF ARCHITECTS
ROLERIO KAARTINEN
LICENCE 5183

| | | YYYY/MM/DD |
|---|---|---|
| DRAWN | R. BOYA | 2017/08/11 |
| CHECKED | K. AITKEN | 2018/11/27 |
| CORRECT | K. AITKEN | 2018/11/28 |

SCALE 0 1 2m

SHEPPARD STATION

STATION MANAGERS OFFICE AND ZONE HUB

FLOOR FINISH PLAN CONCOURSE LEVEL

Contract: SH35-8

TORONTO TRANSIT COMMISSION
ENGINEERING DEPARTMENT

Dwg. No. SH35-8-A301 | Rev. No. | Sheet No. 017

Plot Date: 16-JUL-2019

BLDG. REF. No.

FILENAME: NOR_2s_ffp_concrs.dgn

SHEET No. 017

DRAWING No. SH35-8-A301

CADD FILE NAME: NOR 2s elev int 01.dgn

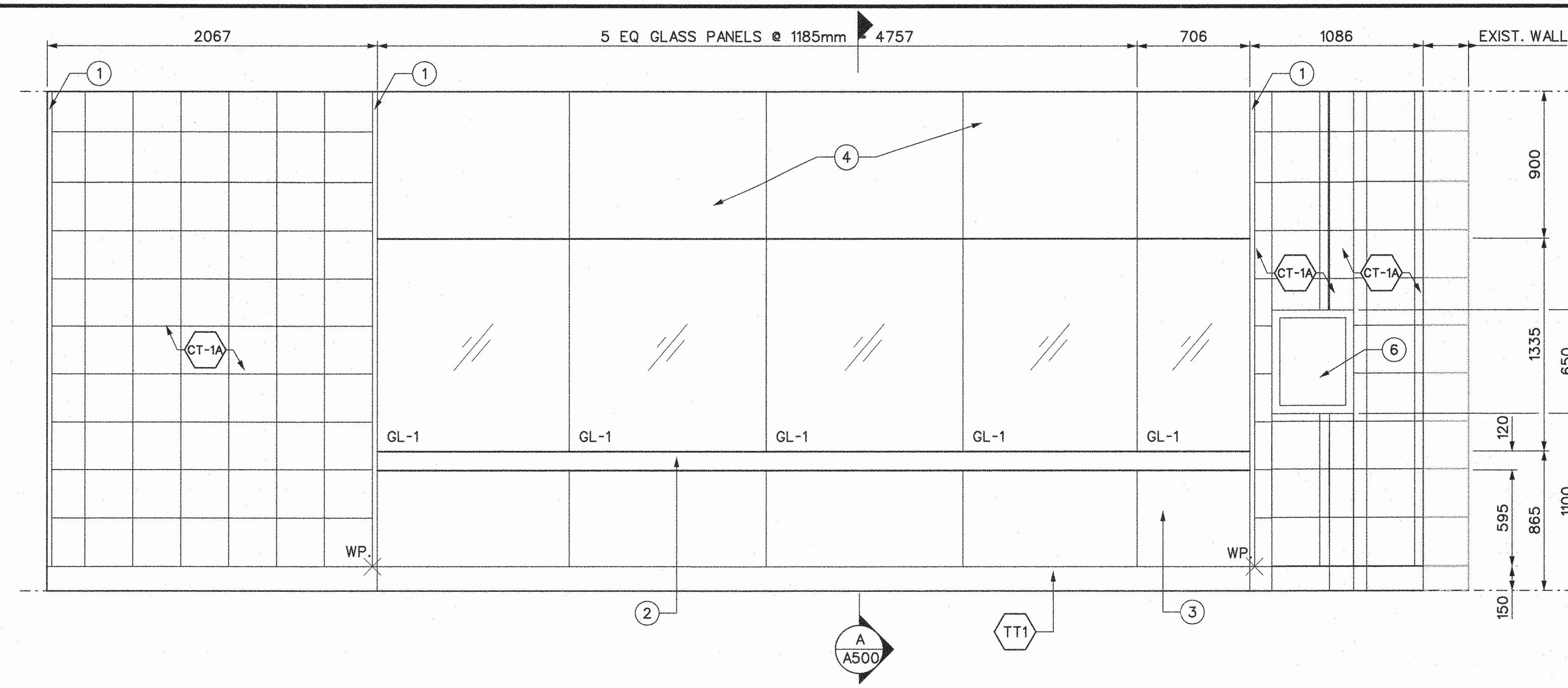
engbord3.dgn (BORDER) MAY 10, 2017

BLDG. REF. No.

FILENAME: NOR_2s_elev_int_01.dgn

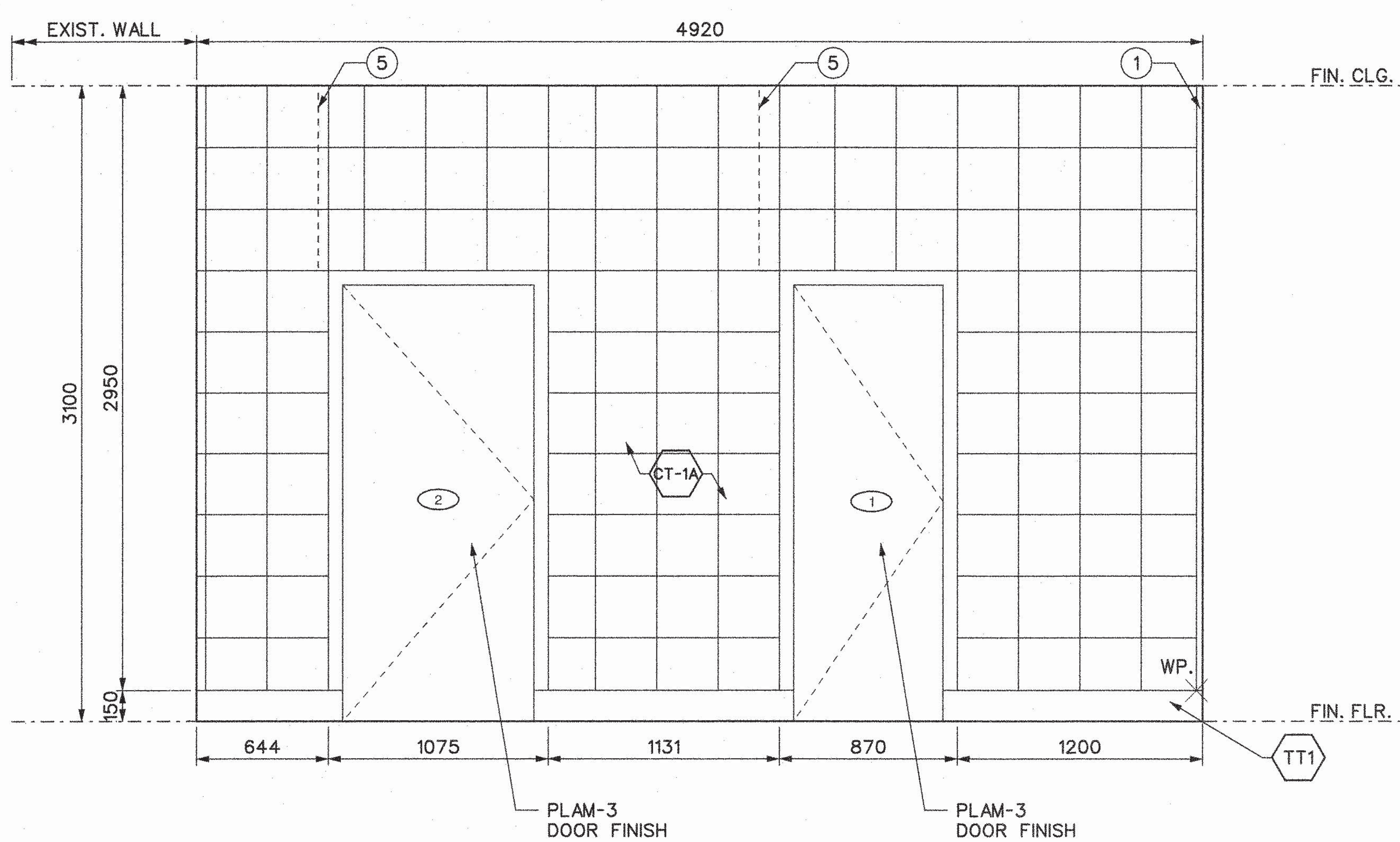
SHEET No. 018

DRAWING No. SH35-8-A400



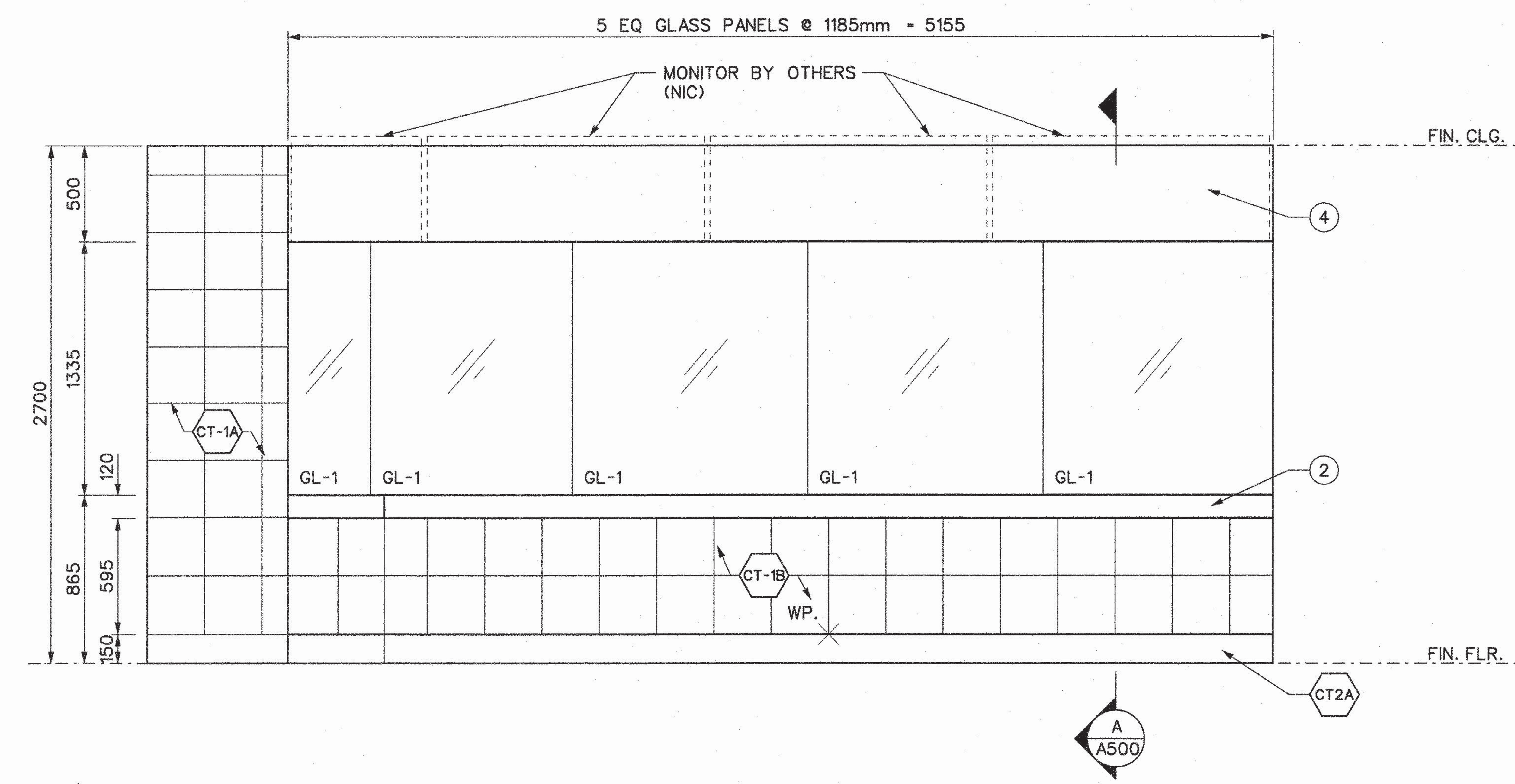

ELEVATION 2/A200

HUB ZONE - NORTH COURSE UNPAID AREA




ELEVATION 3/A200

NORTH CONCOURSE PAID AREA




ELEVATION 1/A200

ZONE HUB

LEGEND:

- CT — NEW 300 X 300mm CERAMIC TILE FINISH
- CT2A — 150mm HIGH NEW CERAMIC TILE BASE
- TT1 — 150mm HIGH TERRAZZO BASEBOARD FINISH
- GL-1 — 13.5mm THK TEMPERED LAMINATED GLASS ON S.ST. ANGLE FOR GLAZING

DRAWING NOTES

1. STAINLESS STEEL CORNER GUARD
2. 25mm THK COUNTERTOP WITH S.ST. CLADDING FINISHED WITH XL BLEND "S".
3. S.ST. CLAD PLYWOOD PANEL BELOW FINISHED WITH XL BLEND "S".
4. 19mm THK S.ST. CLAD ON PLYWOOD PANEL FINISHED WITH XL BLEND "S".
5. MASONRY CONTROL JOINT REFER TO DETAIL 8/A802
6. NEW SEMI-RECESSED FA PANEL

| REVISIONS | REVISIONS |
|---|---|
| | |
| | |
| | |

ISSUED FOR CONSTRUCTION


NORR
ARCHITECTS ENGINEERS PLANNERS
NORR Limited
An Ingenium Group Company
175 Bloor St. East
North Tower, 15th Floor
Toronto, ON, Canada M4W 3R8
www.norr.com


ONTARIO ASSOCIATION OF ARCHITECTS — ROLFE S. MARTINEN — LICENCE 5183

| | | YYYY/MM/DD |
|---|---|---|
| DRAWN | A. ACLO | 2017/09/15 |
| CHECKED | K. AITKEN | 2018/11/27 |
| CORRECT | K. AITKEN | 2018/11/28 |

SCALE 0 500 800mm

SHEPPARD STATION

STATION MANAGERS OFFICE AND ZONE HUB

INTERIOR ELEVATIONS

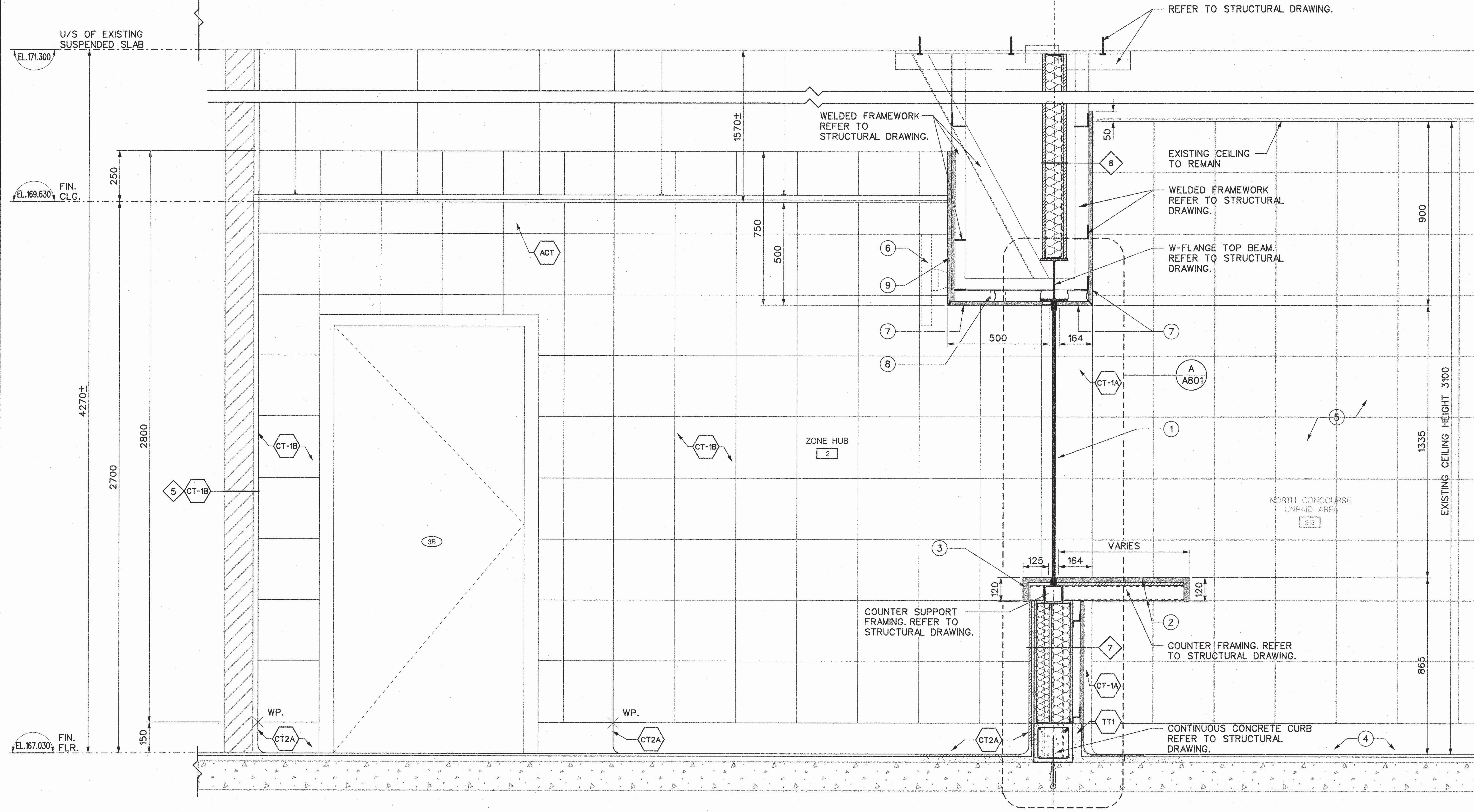
Contract: SH35-8

TORONTO TRANSIT COMMISSION
ENGINEERING DEPARTMENT

| Dwg. No. | Rev. No. | Sheet No. |
|---|---|---|
| SH35-8-A400 | | 018 |

Plot Date: 16-JUL-2019

CADD FILE NAME: NOR 2s sec int.dgn




SECTION
ZONE HUB
A A200

LEGEND:

- ACT — ACOUSTIC CEILING TILE
- CT2A — 150mm NEW HIGH CERAMIC TILE BASE
- CT — NEW 300 X 300mm CERAMIC TILE FINISH
- TT1 — 150mm HIGH TERR. CURB
- 5 — EXISTING CONCRETE BLOCK WALL LEVELING COAT WITH THIN SET ADHESIVE CERAMIC TILE FINISH
- 7 — CERAMIC TILE ON 13mm CEMENT BOARD 64mm STL. STUDS FILL WITH ACOUSTIC INSULATION 92mm STL. STUDS FILL WITH ACOUSTIC INSULATION 13mm CEMENT BOARD METAL Z-GIRTS AND 19mm THK REMOVABLE S.ST. CLAD FIRE RETARDANT PLYWOOD PANEL
- 8 — 13mm ABUSE RESISTANT CEMENT BD. BOTH SIDES ON 92mm STL. STUDS FILL WITH ACOUSTIC INSULATION.

DRAWING NOTES:

1. 13.5mm THK TEMPERED LAMINATED GLASS ON S.ST. ANGLE FOR GLAZING (GL-1)
2. 25mm THK COUNTER TOP WITH S.ST. CLADDING
3. 25mm THK LEDGE WITH S.ST. CLADDING
4. EXISTING TERRAZZO CURB
5. EXISTING WALL FINISH
6. LED SCREEN MONITOR AND MOUNTING BRACKET BY OTHERS (NIC). FRAMING AND CONTINUOUS BACKING FOR MONITORS (NIC).
7. 19mm THK S.ST. CLAD ON FIRE RETARDANT PLYWOOD PANEL FINISHED WITH XL BLEND "S";
8. LIGHTING FIXTURE OUTLINE
9. 19mm THK S.ST. CLAD ON FIRE RETARDANT PLYWOOD PANEL FINISHED WITH XL BLEND "S"; PROVIDE CONT. 19mm THK. FIRE RETARDANT PLYWOOD BACKING FOR MONITOR BRACKETS.

engbord3.dgn (BORDER) MAY 10, 2017

BLDG. REF. No.

FILENAME: NOR_2s_sec_int.dgn

SHEET No. 020

DRAWING No. SH35-8-A500

| REVISIONS | REVISIONS |
|---|---|
| | |
| | |
| | |

ISSUED FOR CONSTRUCTION

NORR
ARCHITECTS ENGINEERS PLANNERS
NORR Limited
An Ingenium Group Company
175 Bloor St. East
North Tower, 15th Floor
Toronto, ON, Canada M4W 3R8
www.norr.com

ONTARIO ASSOCIATION OF ARCHITECTS
ROLF E. KAARTINEN
LICENCE 5183

| | | YYYY/MM/DD |
|---|---|---|
| DRAWN | A. ACLO | 2017/09/15 |
| CHECKED | K. AITKEN | 2018/11/27 |
| CORRECT | K. AITKEN | 2018/11/28 |

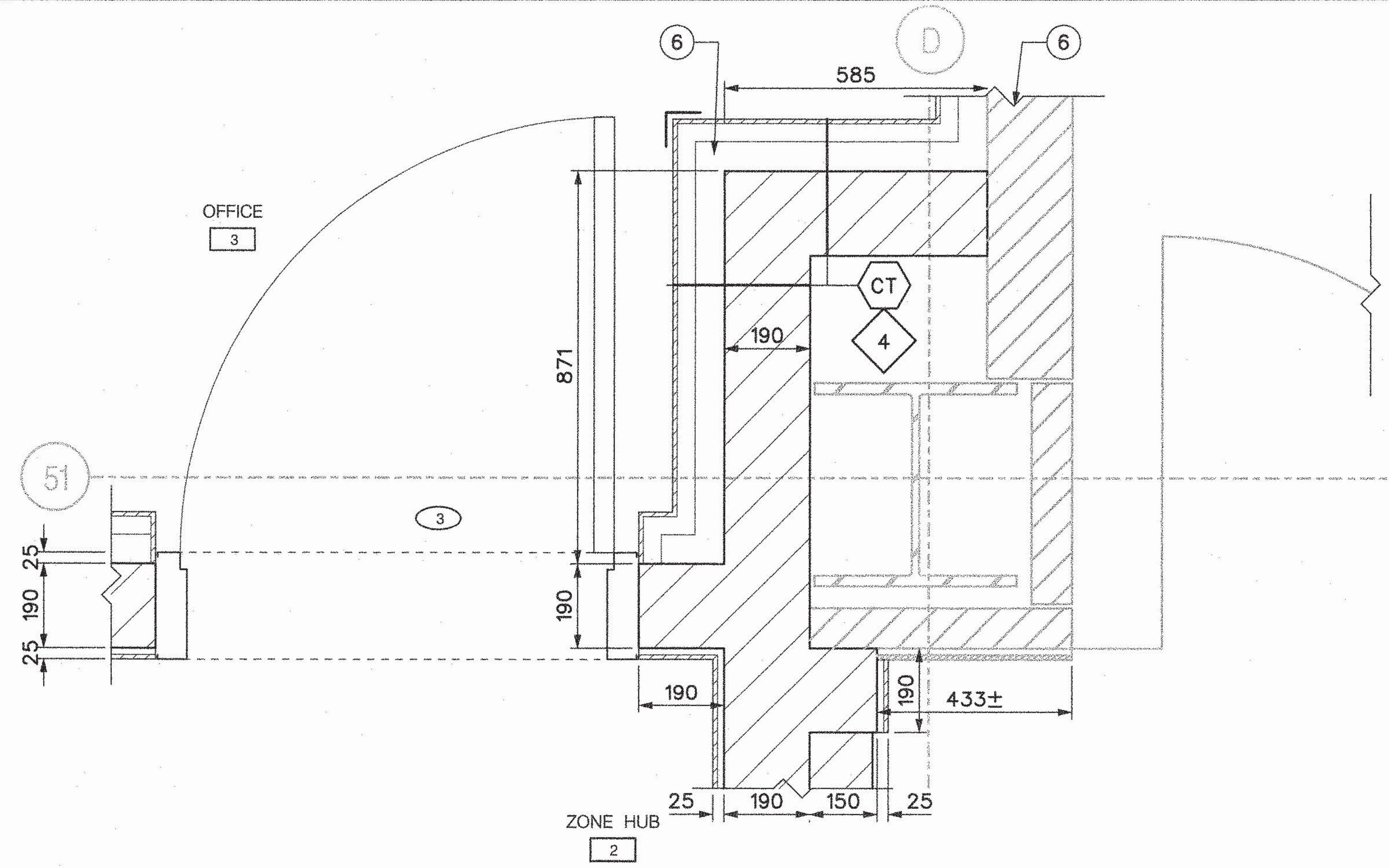
SCALE 0 100 200 300 400mm

SHEPPARD STATION
STATION MANAGERS OFFICE AND ZONE HUB
SECTION

Contract: SH35-8
TORONTO TRANSIT COMMISSION
ENGINEERING DEPARTMENT
Dwg. No. SH35-8-A500 Rev. No. Sheet No. 020
Plot Date: 16-JUL-2019

CADD FILE NAME: NOR 2s det 01.dgn

engbord3.dgn (BORDER) MAY 10, 2017




DETAIL
PLAN DETAIL
2
A200

DRAWING NOTES:

1. 13.5mm THK TEMPERED LAMINATED GLASS ON S.ST. ANGLE FOR GLAZING (GL-1)
2. 25mm THICK COUNTERTOP WITH S.ST. CLADDING
3. HSS ON BASE PLATE - REFER TO STRUCTURAL DRAWING.
4. COUNTER TOP SUPPORT - REFER TO STRUCTURAL DRAWING.
5. HSS - REFER TO STRUCTURAL DRAWING.
6. S. ST. CORNER GUARD. REFER TO A802.

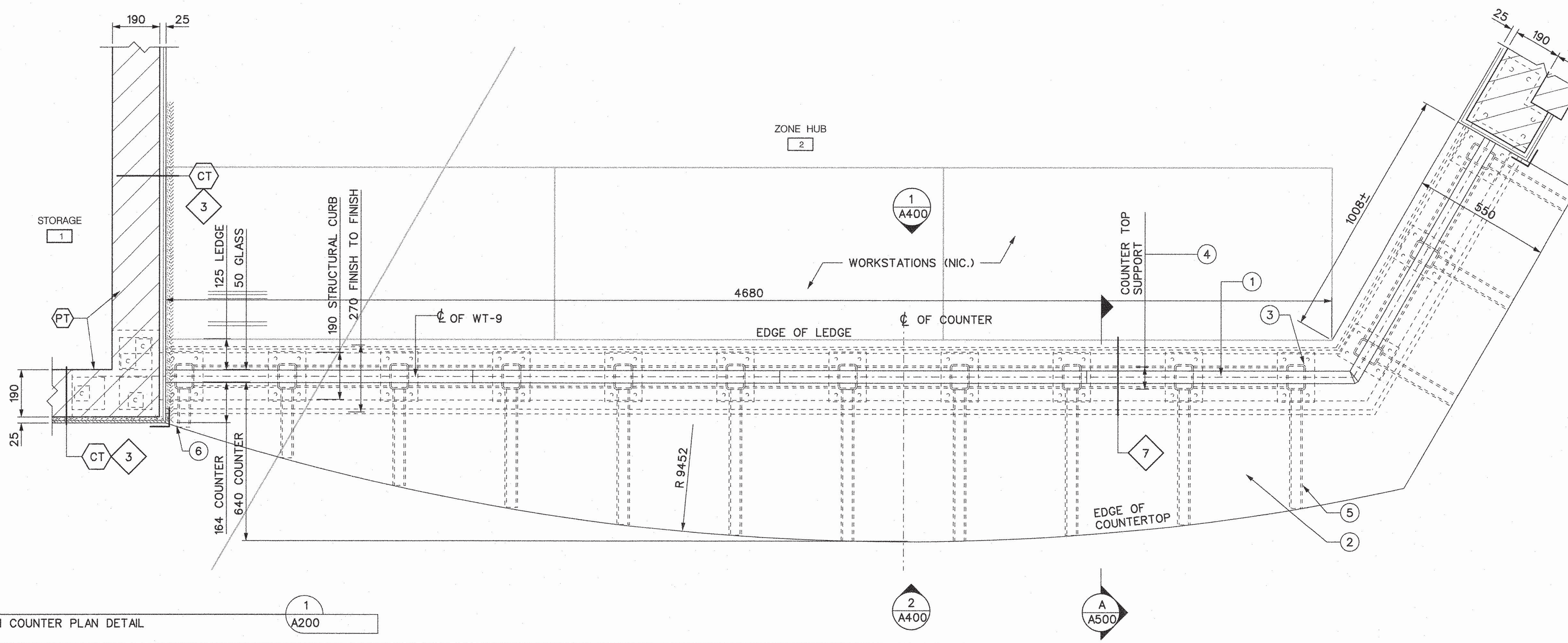
LEGEND:

- CT — NEW 300 X 300mm CERAMIC TILE FINISH
- PT — PAINT FINISH

WALL ASSEMBLY:

- 3 — 190mm CONCRETE BLOCK LEVELING COAT WITH THINSET ADHESIVE CERAMIC TILE FINISH
- 3A — 190mm CONCRETE BLOCK LEVELING COAT WITH THINSET ADHESIVE CERAMIC TILE FINISH ON BOTH SIDES
- 7 — CERAMIC TILE ON 190mm THK. CONCRETE BLOCK METAL Z-GIRTS AND 19mm THK REMOVABLE S.ST. CLAD PLYWOOD PANEL
- 9 — EXISTING STRUCTURAL CONCRETE 50mm AIR SPACE (DRAINAGE GAP) 90mm SOLID BLOCK LEVELING COAT WITH THINSET ADHESIVE 25mm CERAMIC TILE FINISH

BLDG. REF. No.




DETAIL
INFORMATION COUNTER PLAN DETAIL
1
A200

FILENAME: NOR_2s_det_01.dgn

SHEET No. 021

DRAWING No. SH35-8-A800

| REVISIONS | REVISIONS |
|---|---|
| | |
| | |
| | |

ISSUED FOR CONSTRUCTION

NORR
ARCHITECTS ENGINEERS PLANNERS
NORR Limited
An Ingenium Group Company
175 Bloor St. East
North Tower, 15th Floor
Toronto, ON, Canada M4W 3R8
www.norr.com

ONTARIO ASSOCIATION OF ARCHITECTS
LICENCE
5183

| | | YYYY/MM/DD |
|---|---|---|
| DRAWN | A. ACLO | 2017/10/04 |
| CHECKED | K. AITKEN | 2018/11/27 |
| CORRECT | K. AITKEN | 2018/11/28 |

SCALE 0 100 200 300 400mm

SHEPPARD STATION

STATION MANAGERS OFFICE AND ZONE HUB

PLAN DETAILS

Contract: SH35-8

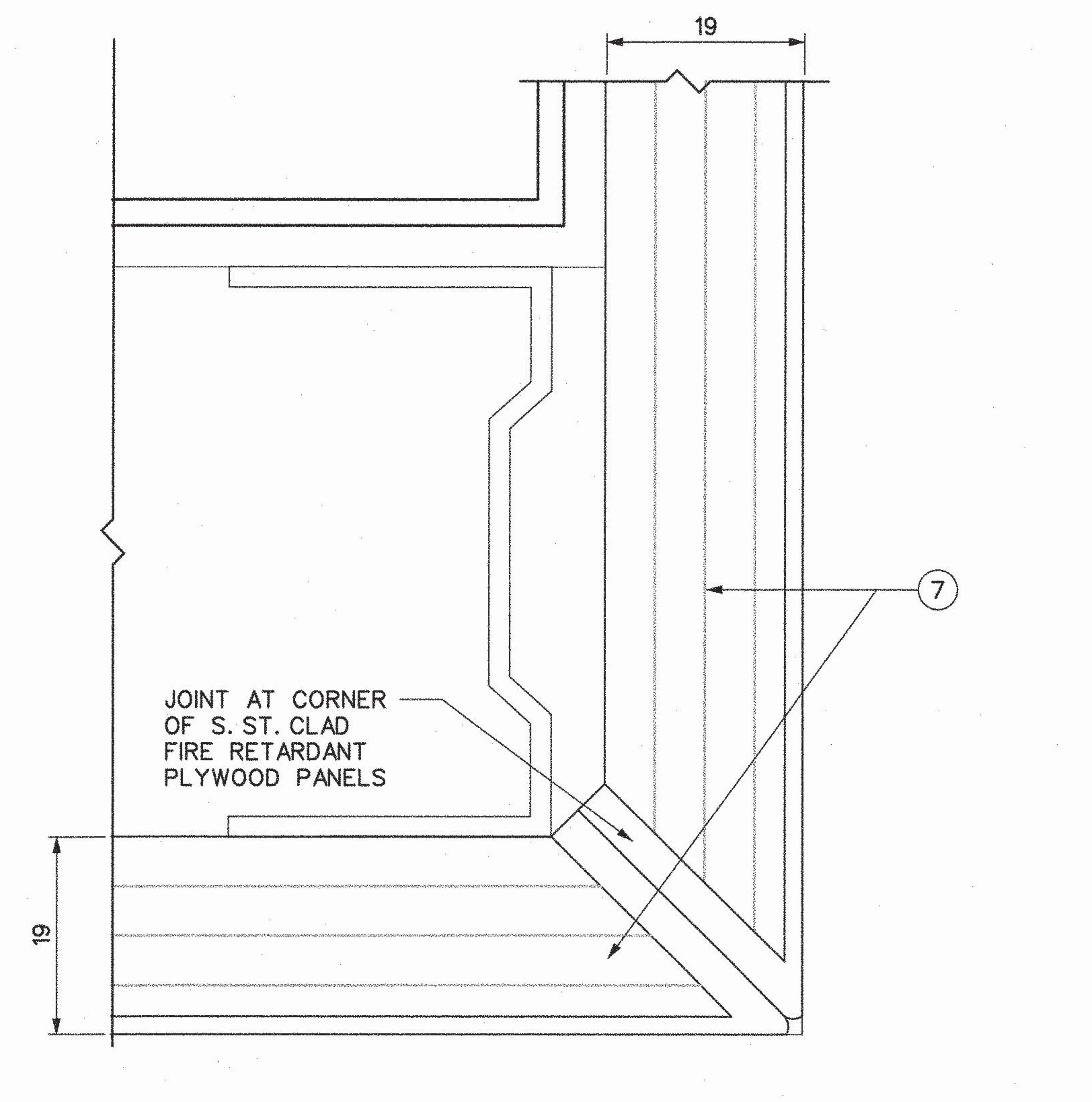
TORONTO TRANSIT COMMISSION
ENGINEERING DEPARTMENT

Dwg. No. SH35-8-A800
Rev. No.
Sheet No. 021

Plot Date: 16-JUL-2019

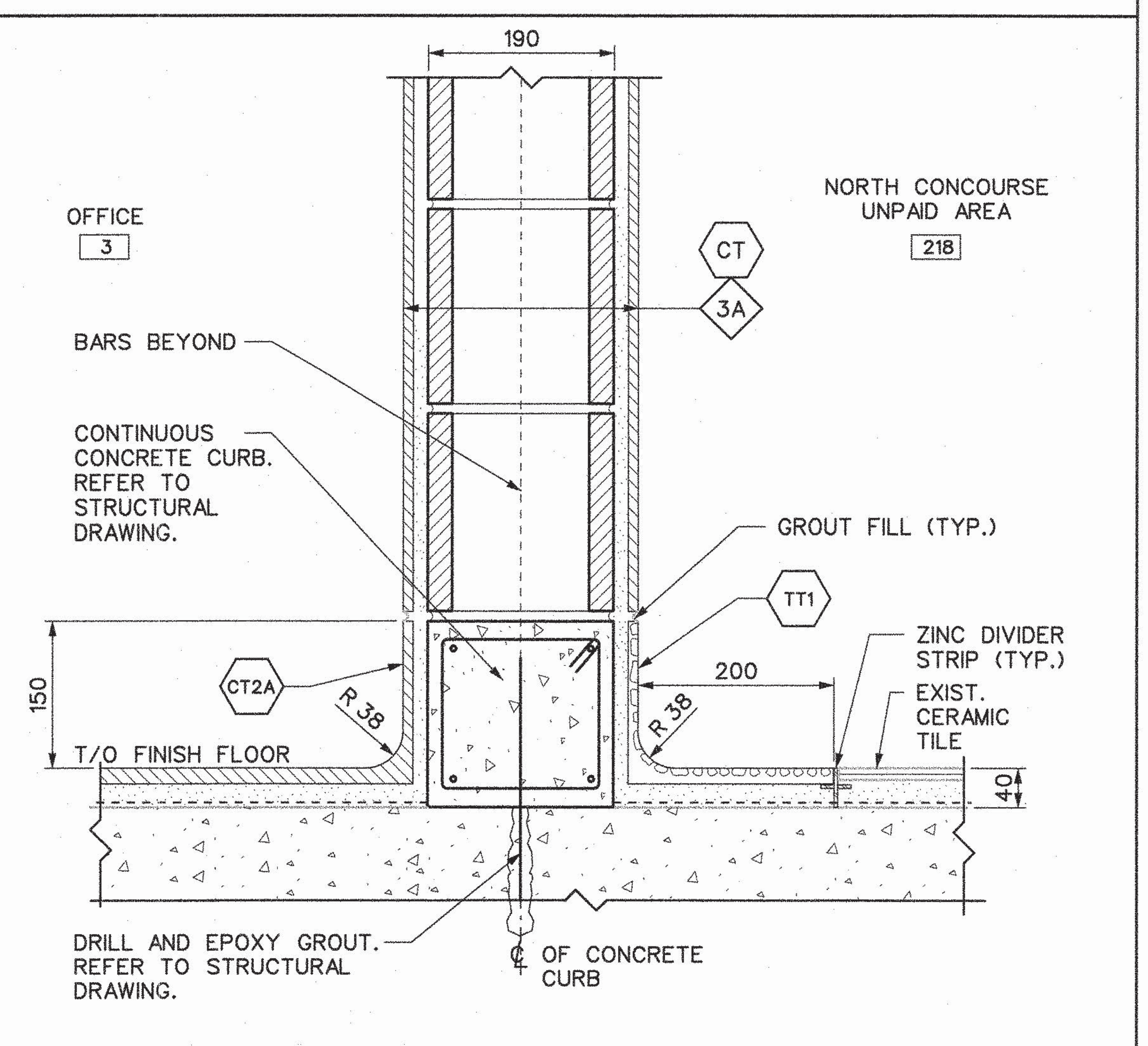
CADD FILE NAME: NOR 2s det 02.dgn

engbord3.dgn (BORDER) MAY 10, 2017



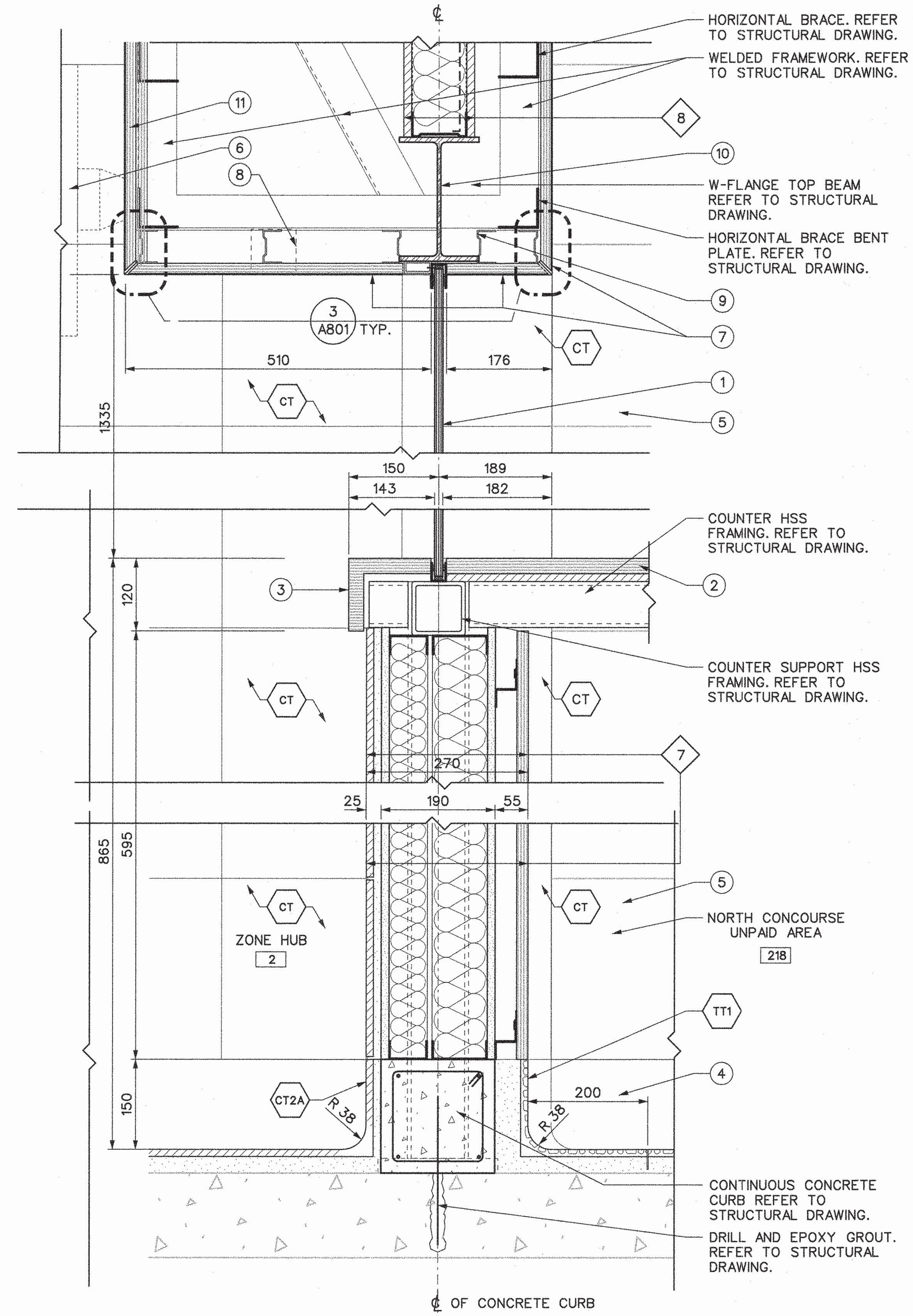

SECTION

JOINT DETAIL AT CORNER SS PANEL 3 A801




DETAIL

WALL SECTION @ OFFICE 2 A200




DETAIL

WALL SECTION @ ZONE HUB 1 A500

LEGEND:

- CT2A — 150mm NEW HIGH CERAMIC TILE BASE
- CT — NEW 300 X 300mm CERAMIC TILE FINISH
- TT1 — 150mm HIGH TERR. CURB
- 3A — 190mm CONCRETE BLOCK LEVELING COAT WITH THINSET ADHESIVE CERAMIC TILE FINISH ON BOTH SIDES
- 7 — CERAMIC TILE ON 13mm CEMENT BOARD 64mm STL. STUDS FILL WITH ACOUSTIC INSULATION 92mm STL. STUDS FILL WITH ACOUSTIC INSULATION 13mm CEMENT BOARD METAL Z-GIRTS AND 19mm THK REMOVABLE S.ST. CLAD FIRE RETARDANT PLYWOOD PANEL
- 8 — 13mm ABUSE REISTANT CEMENT BD. BOTH SIDE ON 92mm ST. STUDS. FILL WITH ACOUSTIC INSULATION.

DRAWING NOTES:

1. 13.5mm THK TEMPERED LAMINATED GLASS ON S. ST. ANGLE FOR GLAZING (GL-1)
2. 25mm THK COUNTER TOP WITH S. ST. CLADDING
3. 25mm THK LEDGE WITH S. ST. CLADDING
4. EXISTING TERRAZZO CURB
5. EXISTING WALL FINISH
6. LED SCREEN MONITOR AND MOUNTING BRACKET BY OTHERS (NIC)
7. 19 mm THICK S. ST. CLAD FIRE RETARDANT PLYWOOD PANEL ON 92mm STUDS
8. LIGHTING FIXTURE OUTLINE
9. PROVIDE INTUMESCENT PAINT FINISH ON HSS TOP BEAM. ULC Z630 OR APPROVED EQUIVALENT.
10. PROVIDE FILL FIRE STOP AT BEAM/WALL JOINT. ULC HW-D-0774 OR APPROVED EQUIVALENT.
11. 19mm THK S.ST. CLAD ON FIRE RETARDANT PLYWOOD PANEL FINISHED WITH XL BLEND "S"; PROVIDE CONT. 19mm THK. FIRE RETARDANT PLYWOOD BACKING FOR MONITOR BRACKETS.

BLDG. REF. No.

FILENAME: NOR_2s_det_02.dgn

SHEET No. 022

DRAWING No. SH35-8-A801

| REVISIONS | REVISIONS |
|---|---|
| | |
| | |
| | |

ISSUED FOR CONSTRUCTION

NORR
ARCHITECTS ENGINEERS PLANNERS
NORR Limited
An Ingenium Group Company
175 Bloor St. East
North Tower, 15th Floor
Toronto, ON, Canada M4W 3R8
www.norr.com

ONTARIO ASSOCIATION OF ARCHITECTS
ROLEEO KAARTINEN
LICENCE
5183

| | | YYYY/MM/DD |
|---|---|---|
| DRAWN | A. ACLO | 2017/10/17 |
| CHECKED | K. AITKEN | 2018/11/27 |
| CORRECT | K. AITKEN | 2018/11/28 |
| SCALE | AS NOTED | |

SHEPPARD STATION

STATION MANAGERS OFFICE AND ZONE HUB

SECTION DETAILS

Contract: SH35-8

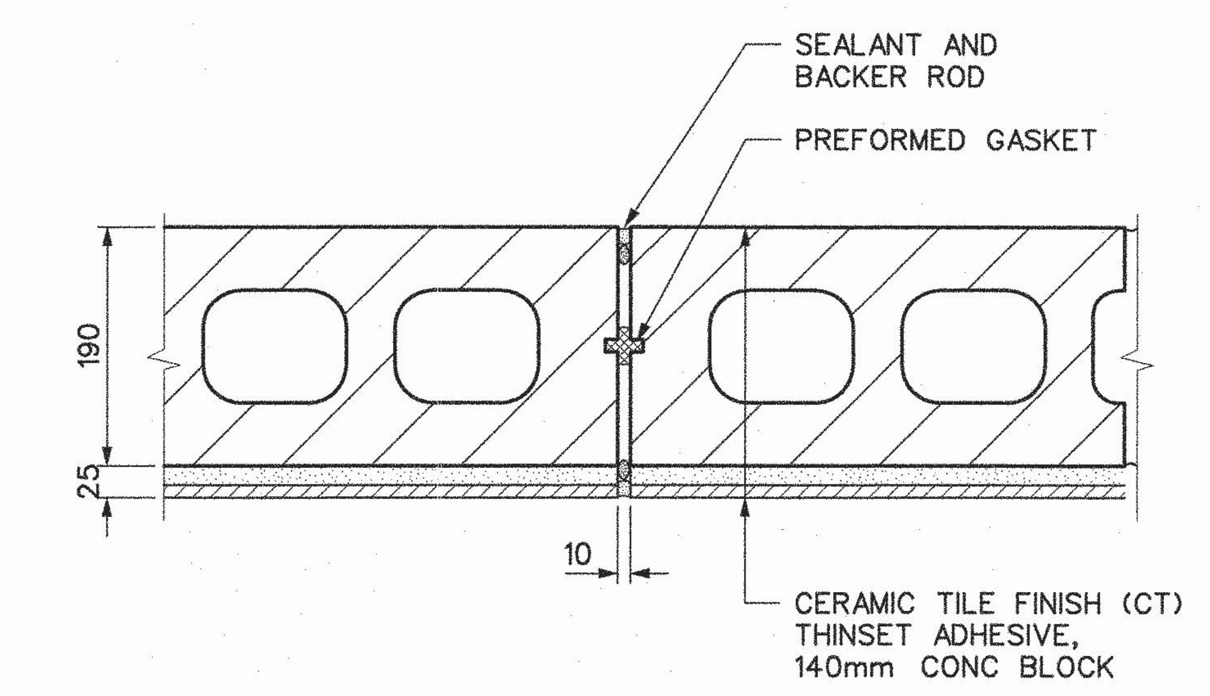
TORONTO TRANSIT COMMISSION
ENGINEERING DEPARTMENT

| Dwg. No. | Rev. No. | Sheet No. |
|---|---|---|
| SH35-8-A801 | | 022 |

Plot Date: 16-JUL-2019

CADD FILE NAME: NOR 2s det 03.dgn

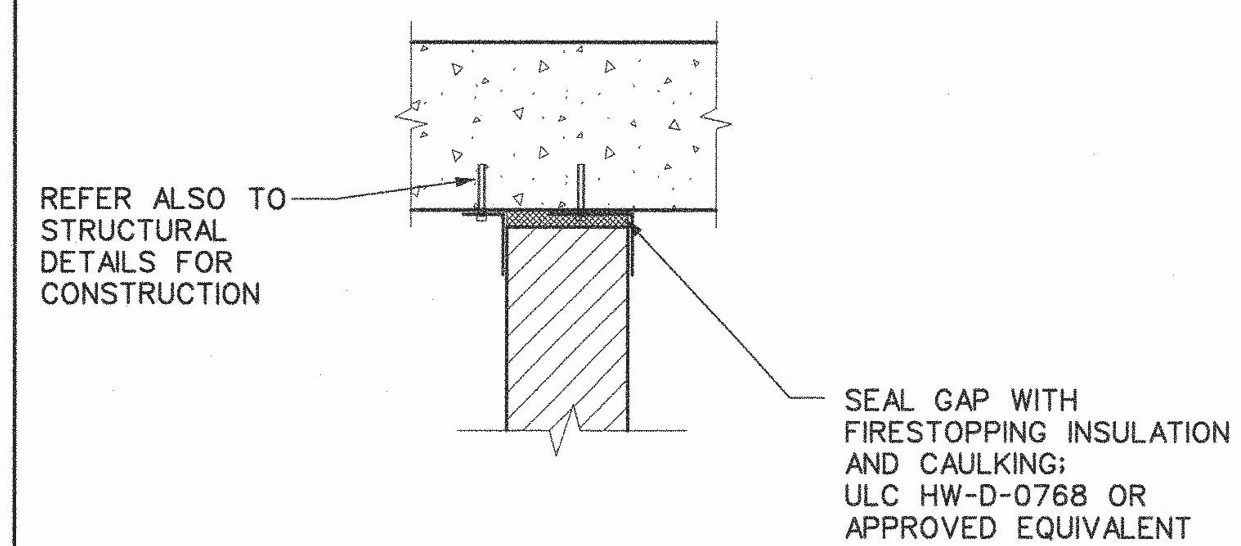
engbord3.dgn (BORDER) MAY 10, 2017




0 100 200mm

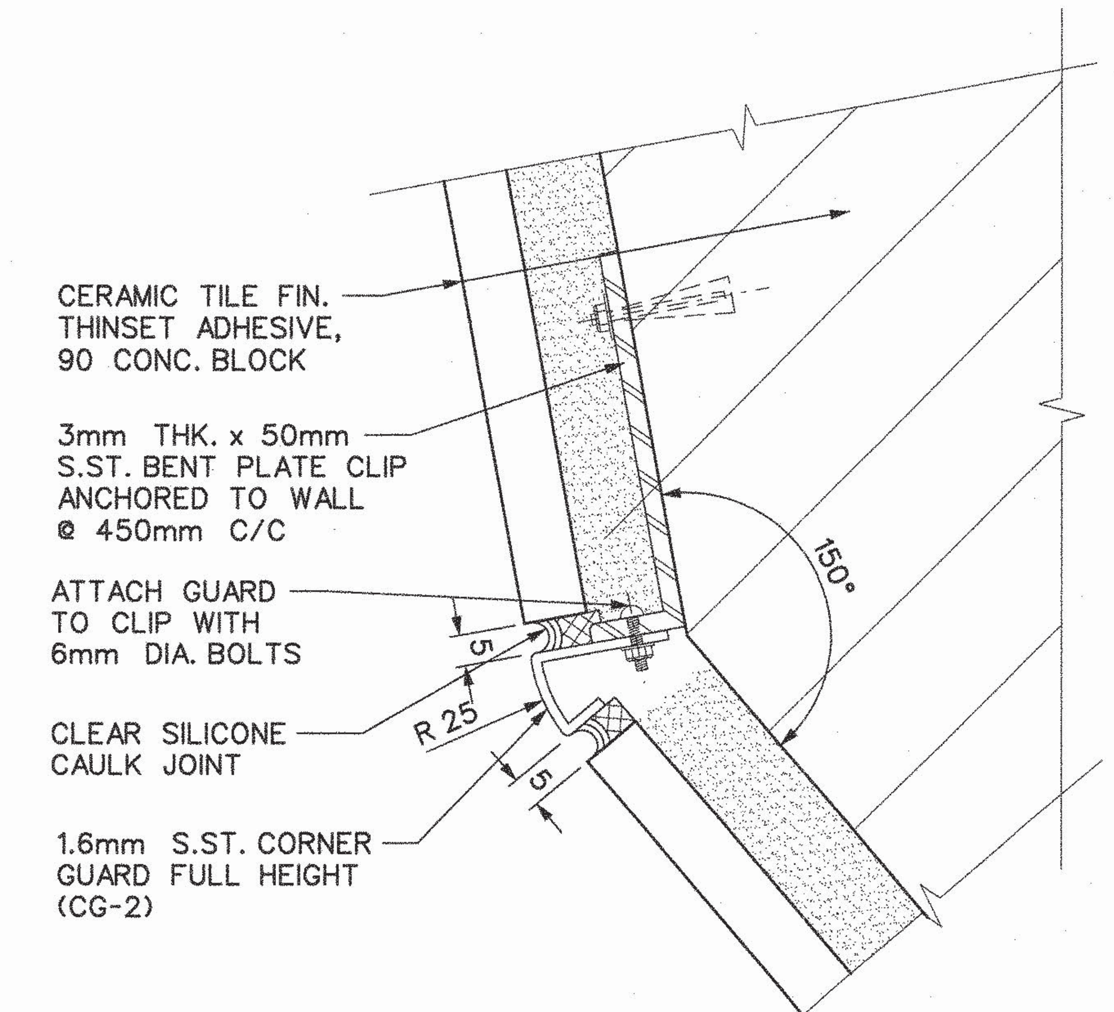
DETAIL 8 / A400

MASONRY CONTROL JOINT PLAN DETAIL (TYP)




DETAIL 6 / A802

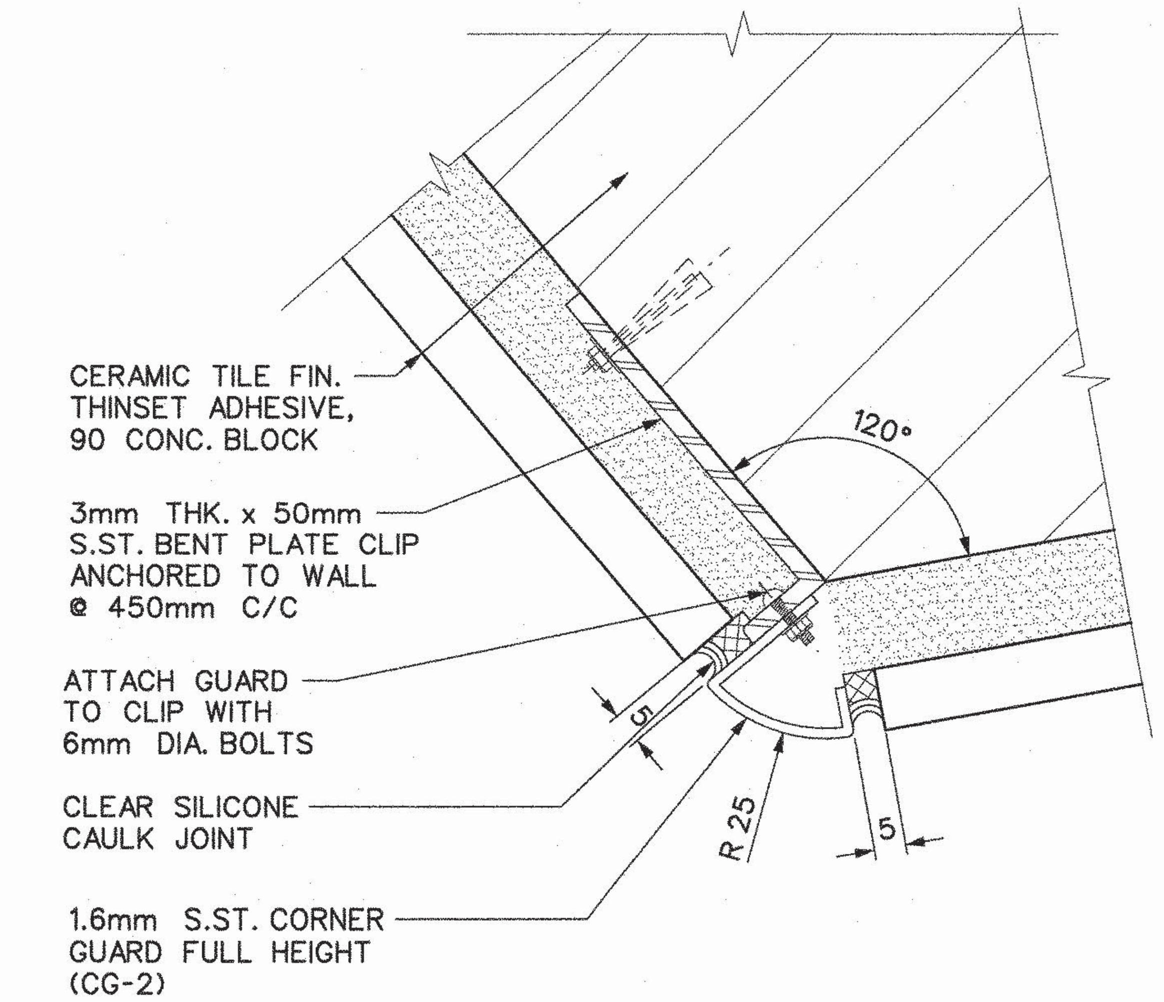
NOT USED




0 10 20 30 40mm

DETAIL 4 / A200

PLAN - CORNER GUARD - 2

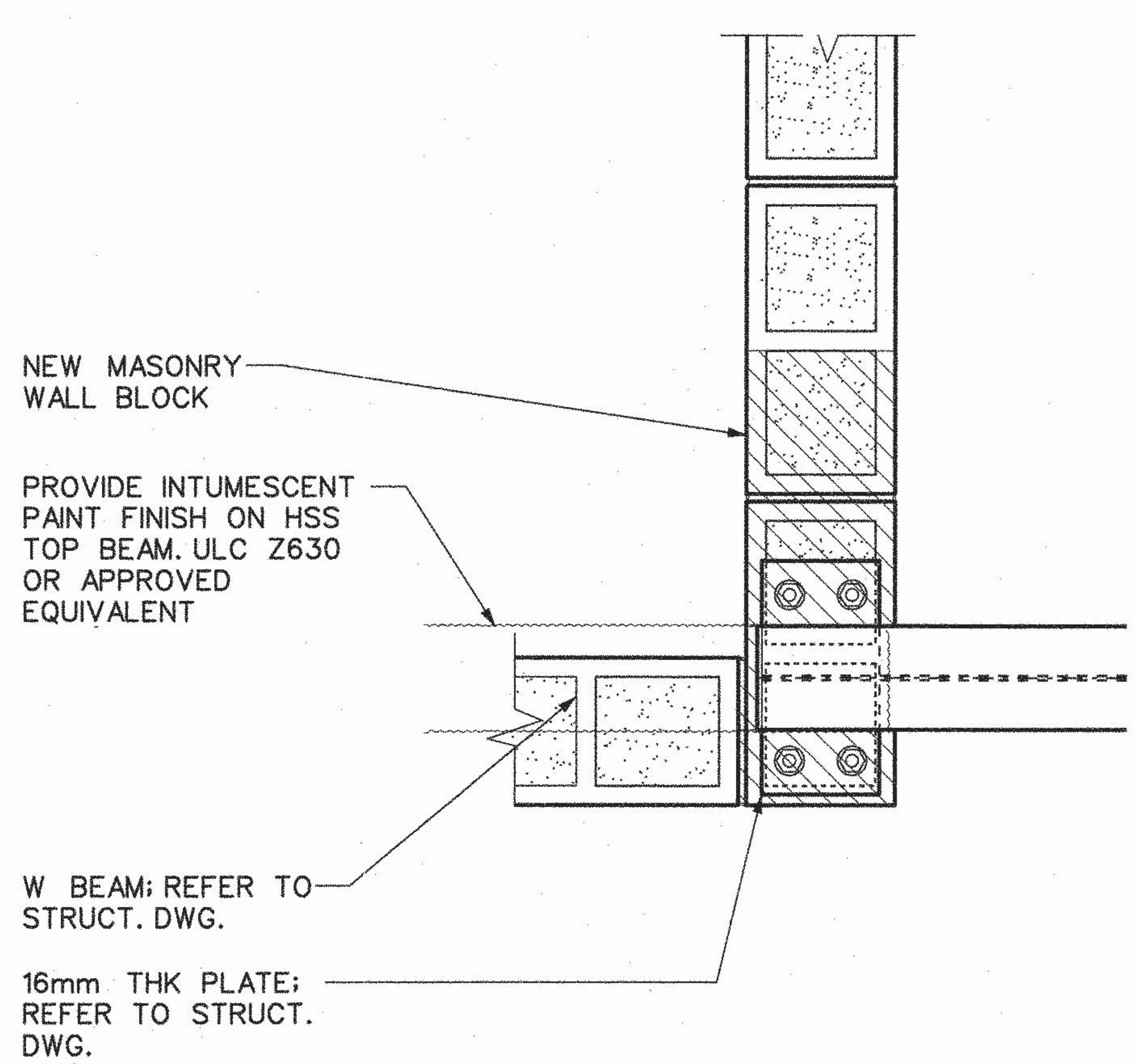



0 10 20 30 40mm

DETAIL 2 / A200

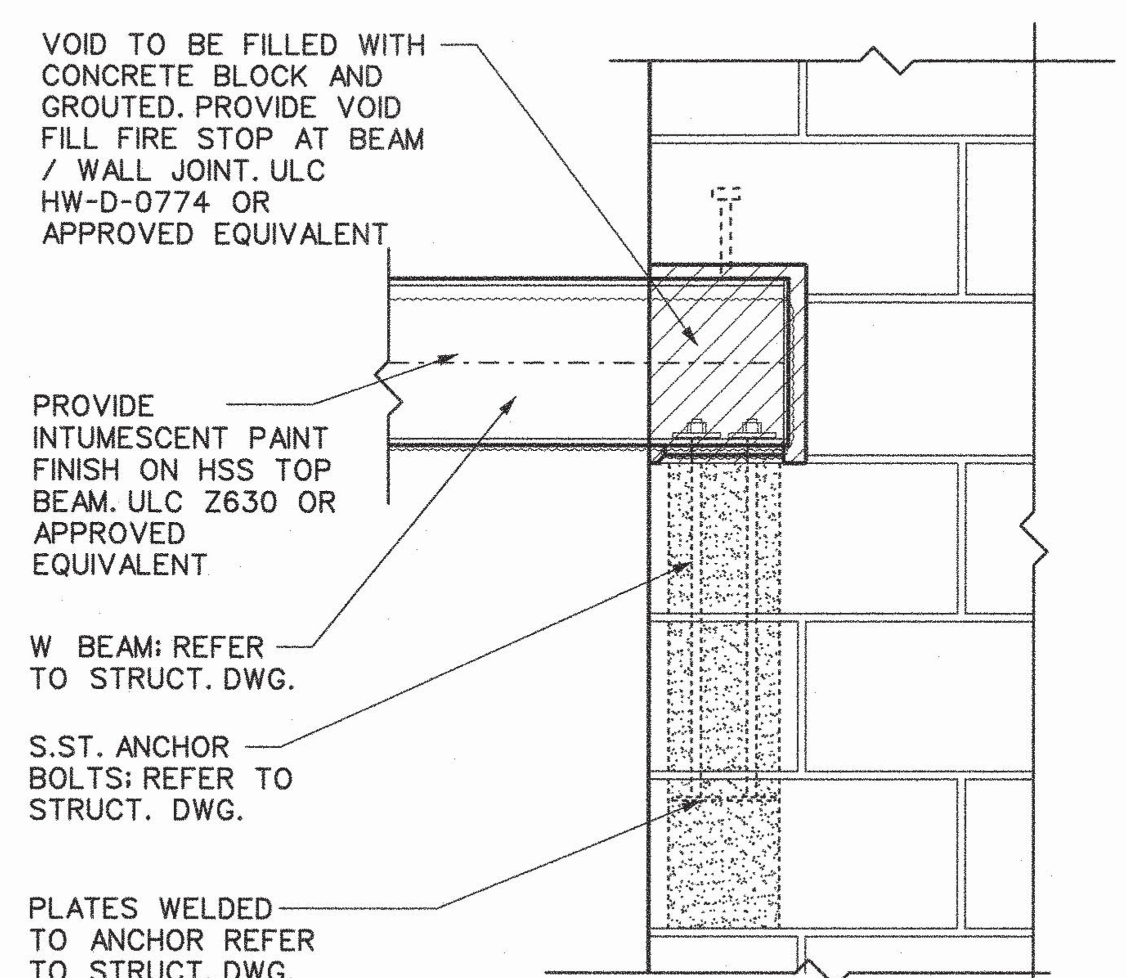
PLAN - CORNER GUARD - 1

BLDG. REF. No.




PARTIAL PLAN N.T.S. 7 / A802

BEAM SUPPORT FIREPROOFING

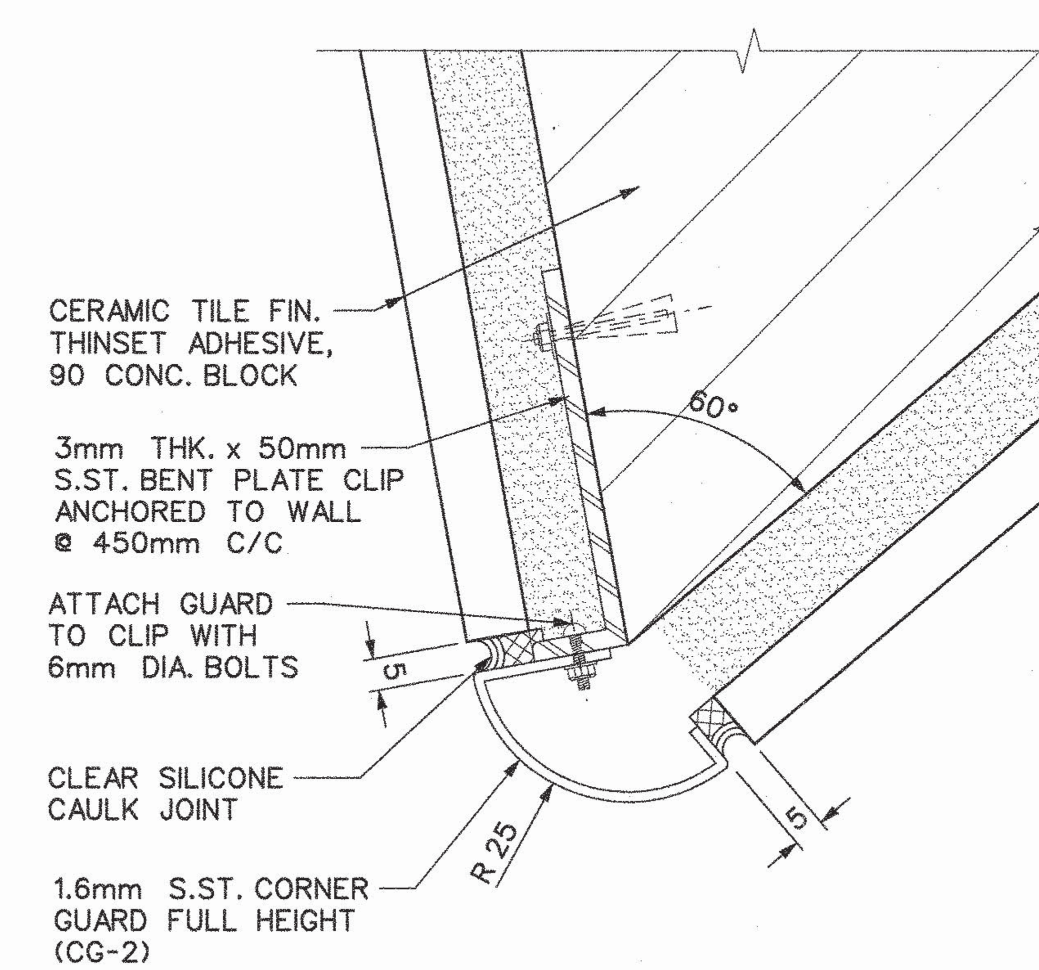



NOTE:

1. REFER TO STRUCTURAL DWGS FOR CONSTRUCTION.

ELEVATION N.T.S. 5 / A802

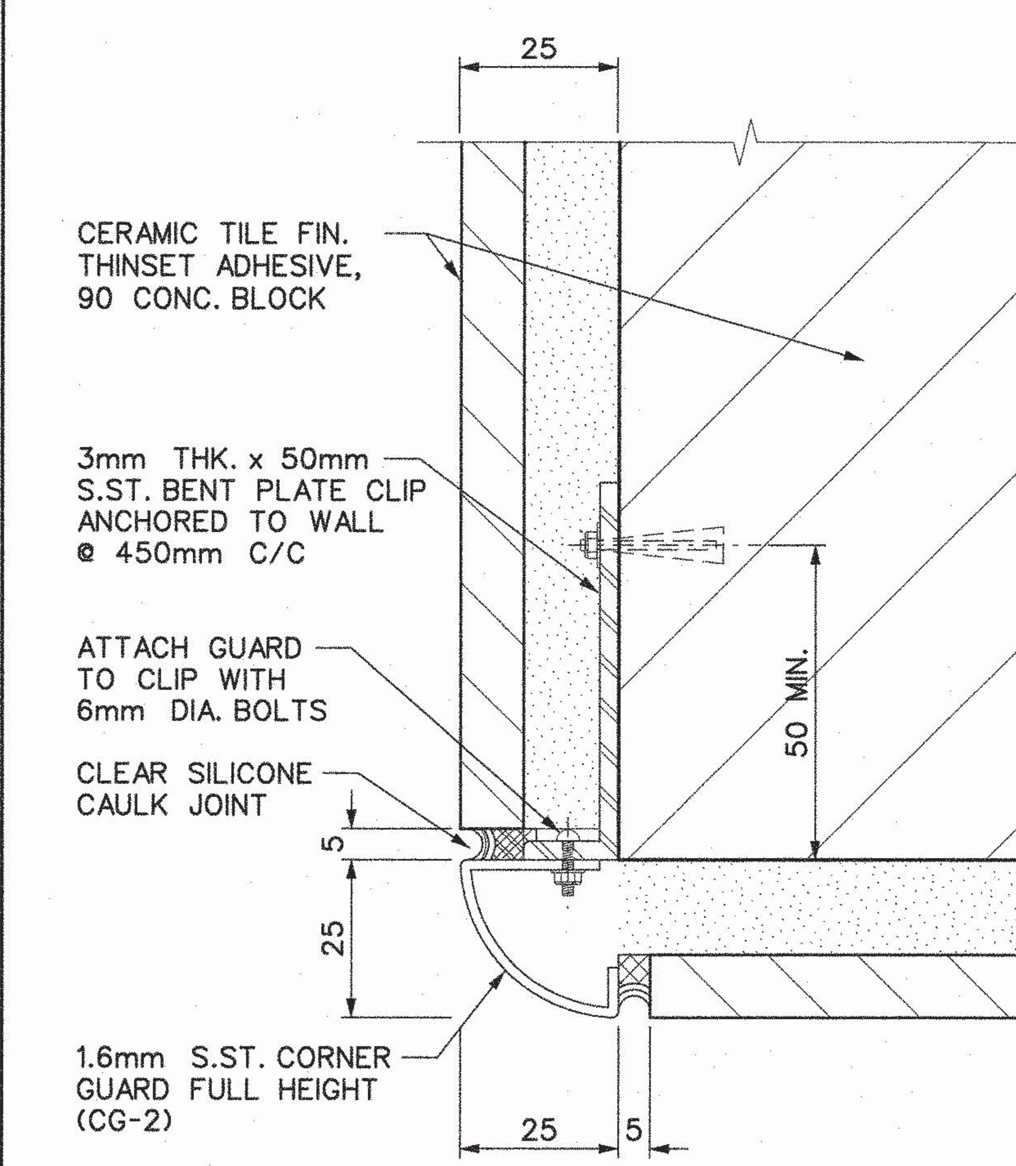
BEAM SUPPORT FIREPROOFING




0 10 20 30 40mm

DETAIL 3 / A200

PLAN - CORNER GUARD - 3




0 10 20 30 40mm

DETAIL 1 / A200

PLAN - TYP. CORNER GUARD

| REVISIONS | REVISIONS |
|---|---|
| △ | △ |
| △ | △ |
| △ | △ |

ISSUED FOR CONSTRUCTION

NORR
ARCHITECTS ENGINEERS PLANNERS
NORR Limited
An Ingenium Group Company
175 Bloor St. East
North Tower, 15th Floor
Toronto, ON, Canada M4W 3R8
www.norr.com

ONTARIO ASSOCIATION OF ARCHITECTS
ROLF-O. KAARTINEN
LICENCE 5183

| | | YYYY/MM/DD |
|---|---|---|
| DRAWN | A. ACLO | 2018/02/20 |
| CHECKED | K. AITKEN | 2018/11/27 |
| CORRECT | K. AITKEN | 2018/11/28 |
| SCALE | AS NOTED | |

SHEPPARD STATION

STATION MANAGERS OFFICE AND ZONE HUB

MISCELLANEOUS DETAILS

Contract: SH35-8

TORONTO TRANSIT COMMISSION
ENGINEERING DEPARTMENT

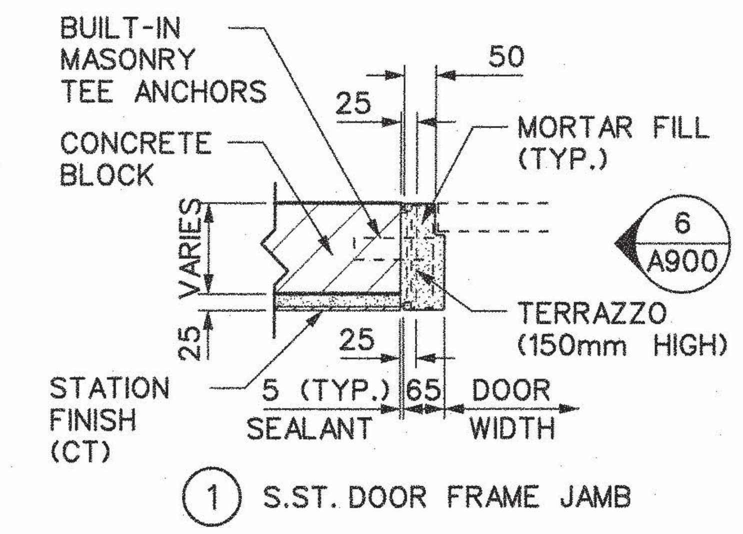
| Dwg. No. | Rev. No. | Sheet No. |
|---|---|---|
| SH35-8-A802 | | 022A |

Plot Date: 16-JUL-2019

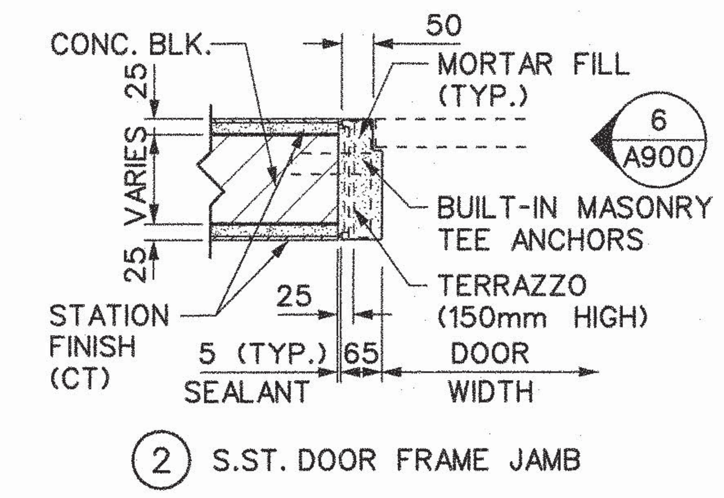
DRAWING No. SH35-8-A802 SHEET No. 022A FILENAME: NOR_2s_det_03.dgn

CADD FILE NAME: NOR 2s sch 02.dgn

engbord3.dgn (BORDER) MAY 10, 2017

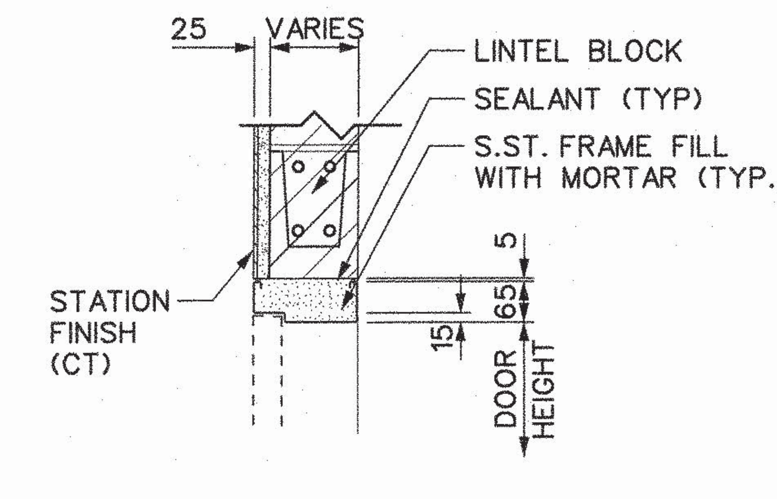


1 S.ST. DOOR FRAME JAMB

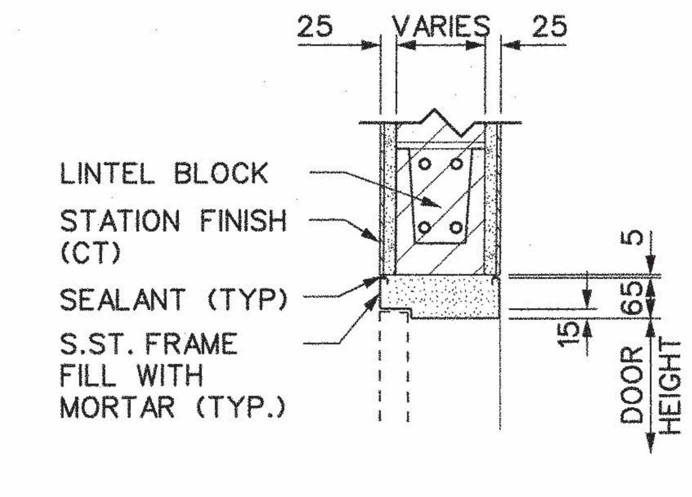


2 S.ST. DOOR FRAME JAMB

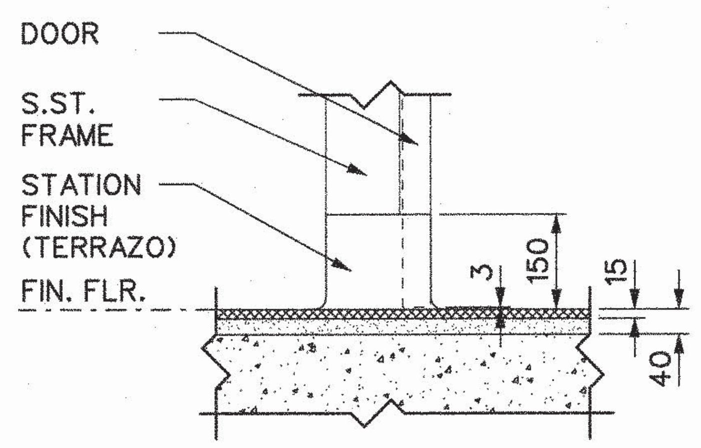
DETAIL 3 A900
FRAME TYPES



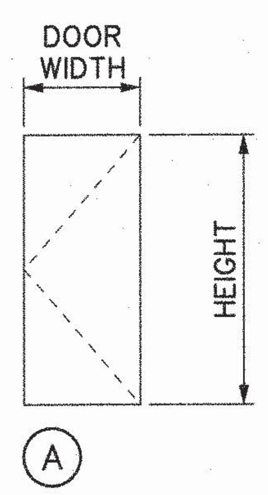
H1 S.ST. DOOR FRAME (HEAD)



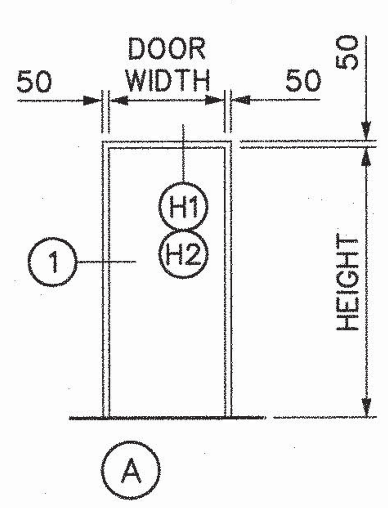
H2 S.ST. DOOR FRAME (HEAD)

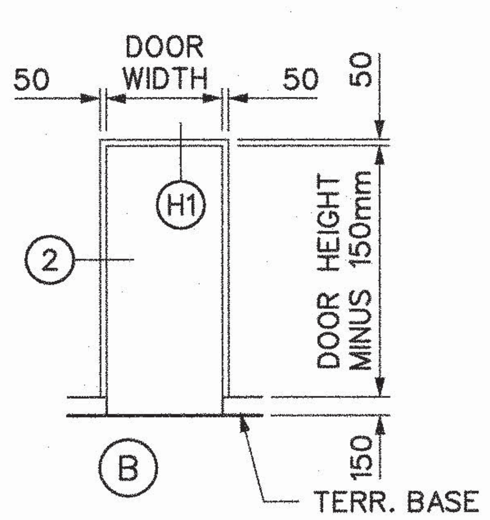



DETAIL 6 A900
BASE DETAIL AT DOOR FRAME




ELEVATION 5 A900
DOOR TYPES




ELEVATION 4 A900
FRAME ELEVATIONS

# R O O M F I N I S H S C H E D U L E

| ROOM | | FLOOR | | WALLS | | | | | | | | CEILING | | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | NORTH | | SOUTH | | EAST | | WEST | | | | | |
| NO. | NAME | FINISH | BASE | MAT'L | FIN. | MAT'L | FIN. | MAT'L | FIN. | MAT'L | FIN. | MAT'L | FIN. | HGT. | |
| | CONCOURSE LEVEL- SHEPPARD LINE | | | | | | | | | | | | | | |
| 1 | STORAGE | CT-2 | CT-2A | BLK | PT | BLK | PT | BLK | PT | BLK | PT | - | - | - | PRESSURE WASHED CLEAN AND SEAL ALL CONCRETE WALL & CEILING |
| 2 | ZONE HUB | CT-2 | CT-2A | BLK | CT-1B | BLK | CT-1B | BLK | CT-1B | BLK | CT-1B | ACT | PREFN | 2700 | |
| 3 | OFFICE | CT-2 | CT-2A | BLK | CT-1C | BLK | CT-1C | BLK | CT-1C | BLK | CT-1C | ACT | PREFN | 2700 | |
| 216 | SERVICE CORRIDOR | EXIST CT | TERR | EXIST BLK | EXIST CT | N/A | N/A | BLK | CT-1A | EXIST BLK | EXIST CT | EXIST | EXIST LMC | 3100 | |
| 218 | NORTH CONCOURSE (UNPAID AREA) | EXIST CT | TERR | BLK | CT-1A | EXIST | EXIST | EXIST | EXIST | EXIST | EXIST | EXIST | EXIST LMC | 3100 | |

ABBREVIATIONS:

| | | | |
|---|---|---|---|
| ACT | - ACOUSTICAL CEILING TILE | LMC | - LINEAR METAL CEILING |
| BLK | - CONCRETE BLOCK | GWB | - GYPSUM WALLBOARD |
| CONC | - CONCRETE | PREFIN. | - PREFINISHED |
| CT | - CERAMIC TILE | PT | - PAINT |
| CWT | - WALL TILE | S. ST. | - STAINLESS STEEL |
| EXIST | - EXISTING | TERR | - TERRAZZO |

SCHEDULE N.T.S. 2 A900
ROOM FINISH SCHEDULE

# D O O R S C H E D U L E

| DOOR NO. | ROOM NAME | DOOR | | | | | DOOR FACE | FRAME | | | FIRE RATING | REMARKS | DRAWING REFERENCE | HARDWARE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | WIDTH | HEIGHT | TYPE | MAT'L | FIN. | TYPE | ELEV/TYPE | MAT'L | FIN. | | | | |
| 1 | STORAGE | 760 | 2150 | A | WSC | PLAM-3 | - | B/1 | S.ST. | •3 | 45MINS | NOTE •1 & •2 | A200 | GROUP 1218 |
| 2 | ZONE HUB | 965 | 2150 | A | WSC | PLAM-3 | - | B/2 | S.ST. | •3 | 45MINS | NOTE •1 & •3 | A200 | GROUP 1214: ACOUSTIC FRAME GASKET & DOOR BOTTOM SEAL. ELECTRIC STRIKE. ROUGH-IN FOR KEYCARD ACCESS/ELECTRIC STRIKE C/W JUNCTION BOX IN CEILING. |
| 3 | OFFICE | 965 | 2150 | A | WSC | PLAM-3 | - | A/2 | S.ST. | •3 | 45MINS | NOTE •1 & •3 | A200 | GROUP 1214: ACOUSTIC FRAME GASKET & AUTO DOOR BOTT SEAL |

ABBREVIATIONS:

HM - HOLLOW METAL
PLAM - PLASTIC LAMINATE (TO MATCH EXISTING)
PT - PAINT
S.ST. - STAINLESS STEEL
WSC - WOOD SOLID CORE

NOTES:

1. SIZES GIVEN ARE OVERALL EXISTING DOOR DIMENSIONS (SITE VERIFY EXISTING DOORS)
2. PROVIDE STAINLESS STEEL KICK PLATE DOOR WIDTH x 200mm HIGH
3. DOOR TO BE FITTED WITH A SEAL DOOR THRESHOLD C/W DOOR SWEEP
4. PROVIDE AUTOMATIC DOOR CLOSERS (SELF-CLOSING DEVICES) - ALL DOORS.

SCHEDULE N.T.S. 1 A900
DOOR SCHEDULE

| REVISIONS | REVISIONS |
|---|---|
| | |

ISSUED FOR CONSTRUCTION

NORR
ARCHITECTS ENGINEERS PLANNERS
NORR Limited
An Ingenium Group Company
175 Bloor St. East
North Tower, 15th Floor
Toronto, ON, Canada M4W 3R8
www.norr.com

ONTARIO ASSOCIATION OF ARCHITECTS
ROLESS KAARTINEN LICENCE 5183

| | | YYYY/MM/DD |
|---|---|---|
| DRAWN | A. ACLO | 2017/08/21 |
| CHECKED | K. AITKEN | 2018/11/27 |
| CORRECT | K. AITKEN | 2019/03/21 |
| SCALE | AS NOTED | |

SHEPPARD STATION
STATION MANAGERS OFFICE AND ZONE HUB
SCHEDULES
DOOR & ROOM FINISHES

Contract: SH35-8
TORONTO TRANSIT COMMISSION
ENGINEERING DEPARTMENT
Dwg. No. SH35-8-A900 Rev. No. Sheet No. 023
Plot Date: 16-JUL-2019

BLDG. REF. No.
FILENAME: NOR_2s_sch_02.dgn
SHEET No. 023
DRAWING No. SH35-8-A900

# GENERAL NOTES

1. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE SPECIFICATIONS AS WELL AS THE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND OTHER CONTRACT DOCUMENTS, INCLUDING REFERENCE DRAWINGS.
2. THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS, ELEVATIONS AND CONDITIONS AT THE STATION SITE AND REPORT TO THE TTC ANY DISCREPANCIES OR UNSATISFACTORY CONDITIONS WHICH MAY ADVERSELY AFFECT THE PROPER COMPLETION, COST OR SCHEDULE OF THE WORK PRIOR TO UNDERTAKING THE WORK. COMMENCEMENT OF THE WORK BY THE CONTRACTOR IMPLIES ACCEPTANCE OF EXISTING CONDITIONS.
3. PROTECT THE EXISTING STRUCTURE, UTILITIES, AND OTHER EXISTING CONDUITS, PIPING OR SERVICES DURING CONSTRUCTION. MAKE GOOD ANY DAMAGE RESULTING FROM WORK ON THIS PROJECT TO THE SATISFACTION AND FULL INDEMNIFICATION OF THE TTC.
4. THE TTC WILL PROVIDE UTILITY LOCATION INFORMATION TO THE CONTRACTOR. THE CONTRACTOR SHALL CHECK AND VERIFY THE UTILITY LOCATIONS WHICH MAY INTERFERE WITH WORK OF THIS PROJECT AND COORDINATE WITH THE TTC.
5. PREPARATION, DEMOLITION AND CONSTRUCTION WORK DURING THIS PROJECT INCLUDES THE PROVISION OF DUST PROTECTION AND SAFETY BARRIERS AS REQUIRED FOR THE TTC EXISTING OPERATIONS. ALL ASPECTS OF WORK SCHEDULING, ACCESSIBILITY AND LOGISTICS SHALL BE COORDINATED AND AGREED WITH THE TTC PRIOR TO COMMENCEMENT.
6. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE TTC FOR REVIEWING THE METHOD OF CONCRETE CORING AND DEMOLITION THROUGH THE CONCRETE SLABS AND WALLS. INDICATE THE METHOD FOR TRANSPORTING AND POURING NEW CONCRETE WHERE SHOWN.
7. DO NOT CUT REINFORCEMENT TO ACCOMMODATE DRILLED ANCHORS AND DOWELS. SCAN EXISTING CONCRETE STRUCTURE TO LOCATE REINFORCEMENT PRIOR TO FABRICATING STRUCTURAL STEEL FASTENED WITH DRILLED ANCHORS.

## DESIGN

1. DESIGN IS IN ACCORDANCE WITH TTC DESIGN STANDARDS. OBC USED ONLY WHERE REFERRED TO IN THE TTC DESIGN STANDARDS.
2. CONCRETE MEMBERS ARE DESIGNED IN ACCORDANCE WITH CSA STANDARD CSA/CAN3-A23.3-14 STRUCTURAL STEEL IS DESIGNED IN ACCORDANCE WITH CSA STANDARD CSA/CAN3-S16.1-14.
3. MASONRY WALLS DESIGNED FOR 2.00 KPa LOAD.

## DEMOLITION

1. THE EXTENT OF REMOVAL OF THE EXISTING STRUCTURE TO ACCOMMODATE THE WORK OF THIS PROJECT SHALL BE MADE NEATLY WITH SAW CUTS (e.g. WIRE SAW). REMOVE CONCRETE BY SAW CUTTING, CORE DRILLING AND HAND TOOLS TO ACHIEVE CLEAN NEAT SURFACES WITH PROJECTIONS AND INDENTATIONS NOT EXCEEDING 20mm. EXERCISE CARE NOT TO DAMAGE ADJACENT CONCRETE WHEN USING PERCUSSION TOOLS. ALL SCRAP MATERIAL TO BE DISPOSED OF OFF- SITE.
2. ASCERTAIN LOCATION OF PIPES, CONDUITS OR OTHER SERVICES ENCASED IN EXISTING CONCRETE TO BE DEMOLISHED/CORED PRIOR TO PROCEEDING. COORDINATE WITH THE TTC FOR THEIR RELOCATION.
3. AIR BLAST CLEAN ALL EXISTING REBAR TO BE RETAINED AND LAPPED WITH NEW REINFORCING, PROVIDE LAP LENGTHS EQUAL TO TOP BAR CLASS B TENSION LAP SPLICE U.O. NOTED. WHERE EXISTING REBARS ARE TO BE CUT, EACH BAR SHALL BE CUT BACK 20mm BEHIND THE FACE OF EXISTING CONCRETE AND SHALL BE PATCHED WITH EPOXY MORTAR.
4. PROVIDE TEMPORARY SHORES AND BRACINGS AS REQUIRED TO ENSURE THE STABILITY AND STRUCTURAL INTEGRITY OF EXISTING STRUCTURES.

## CONCRETE

1. CONCRETE TO CONFORM TO THE REQUIREMENTS OF CAN/CSA A23.1/23.2 CONCRETE MATERIALS AND METHODS OF CONCRETE CONSTRUCTION/METHODS OF TESTS FOR CONCRETE.
2. REFER TO DRAWINGS AND SPECIFICATIONS FOR STRENGTH OF CONCRETE REQUIRED FOR VARIOUS LOCATIONS. BUT IN ALL CASES THE MINIMUM 28 DAY COMPRESSIVE STRENGTH SHALL NOT BE LESS THAN THE FOLLOWING:
   - 2.1 STRUCTURAL CONCRETE: .................... 35MPa
   - 2.2 CONCRETE TOPPING: FLOOR TOPPING.................... 32MPa
   - 2.3 UTILITY CONCRETE: MAINTENANCE HOLES.................... 35MPa
   - 2.4 MISC. CONCRETE: LEAN CONCRETE.................... 8MPa
3. REINFORCEMENT TO CONFORM TO CSA G30 SERIES Fy= 400MPa EXCEPT Fy= 440MPa FOR WELDED WIRE FABRIC. PROVIDE WELDED WIRE FABRIC IN FLAT SHEETS ONLY. ALL REINFORCEMENT TO BE "BLACK". NEW REINFORCEMENT INDICATED ON DRAWINGS ARE METRIC SIZES. EXISTING REINFORCEMENT INDICATED IN THE DRAWINGS ARE IMPERIAL SIZES.
4. USE MINIMUM COVER FOR REBAR AS INDICATED IN THE TTC STANDARD FIG. 5.1.A

   CONCRETE NOT EXPOSED TO EARTH AND WEATHER.......................... 50mm ± 10mm
5. DETAIL, BEND, PLACE AND SUPPORT REINFORCING STEEL IN CONFORMANCE WITH THE RSIC MANUAL OF STANDARD PRACTICE, UNLESS NOTED OTHERWISE.
6. NO SLEEVES, PIPES, HOLES OR NOTCHES SHALL BE PLACED THROUGH WALLS OR SLABS EXCEPT AS DESIGNATED ON STRUCTURAL DRAWINGS OR APPROVED BY THE TTC.
7. ALL ANCHORS OR DOWELS INTO EXISTING CONCRETE SHALL BE INSTALLED USING HILTI HIT-RE 500 V3 INJECTION ADHESIVE SYSTEM.
8. EPOXY BONDING AGENT SHALL BE APPLIED TO ALL EXPOSED EXISTING CONCRETE SURFACES PRIOR TO PLACING OF NEW CONCRETE. CLEAN AND PREPARE EXISTING SURFACES TO RECEIVE BONDING AGENT ACCORDING TO MANUFACTURER'S INSTRUCTIONS.

## STRUCTURAL STEEL

1. STRUCTURAL STEEL FABRICATION AND ERECTION TO CONFORM TO CAN/CSA-S16 LIMIT STATES DESIGN OF STEEL STRUCTURES.
2. STRUCTURAL STEEL TO CONFORM TO CSA/CAN-640.20M/G40.21 GRADE 350W. GENERAL REQUIREMENTS FOR ROLLED OR WELDED STRUCTURAL QUALITY STEEL.
3. WELDING TO CONFORM TO CSA W59. WELDED STEEL CONSTRUCTION (METAL ARC WELDING).
4. WHERE FULL MOMENT CONNECTION IS CALLED FOR AND NO MOMENT IS INDICATED, DESIGN CONNECTION FOR FULL CAPACITY OF THE MEMBER.
5. FOR PRIME PAINTING AND FIRE PROOFING OF STRUCTURAL STEEL, SEE SPECIFICATIONS.

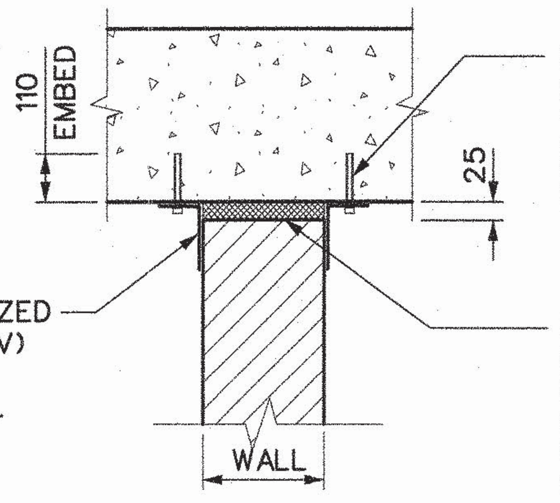
## MASONRY

1. MASONRY WALLS, PIER AND COLUMNS ARE DESIGNED IN ACCORDANCE WITH CSA S304. "MASONRY DESIGN FOR BUILDINGS." LIMIT STATES DESIGN
2. MASONRY MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO CSA CAN-A371.
3. REFER TO DRAWINGS AND THE SPECIFICATIONS FOR STRENGTH OF MASONRY UNITS REQUIRED, BUT IN ALL CASES THE STRENGTH SHALL NOT BE LESS THAN THE FOLLOWING, BASED ON NET AREA.
   1. HOLLOW CONCRETE BLOCK 15.0 MPa
   2. HOLLOW CONCRETE BLOCK GROUTED & SOLID 15.0 MPa
4. MORTAR - TYPE "S".
5. REINFORCING STEEL BARS SHALL CONFORM TO CSA G30 SERIES. GRADE 400.
6. UNLESS OTHERWISE NOTED. PROVIDE 1-15M VERTICAL FULL HEIGHT AT:
   1. UNSUPPORTED ENDS OF WALLS.
   2. EACH SIDE OF DOORS AND OTHER OPENINGS.
   3. IN EACH CELL OF ALL PIERS AND PILASTERS.

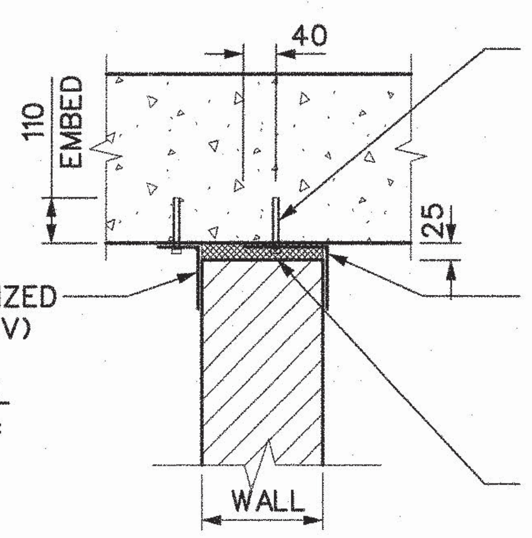
   ALL VERTICAL REINFORCING SHALL BE CONTINUED TO WITHIN 50MM (2") OF THE TOP OF WALL.

CADD FILE NAME:

engbord3.dgn (BORDER) MAY 10, 2017




FOR BLOCK WALL LOCATIONS SEE ARCH. DRAWINGS

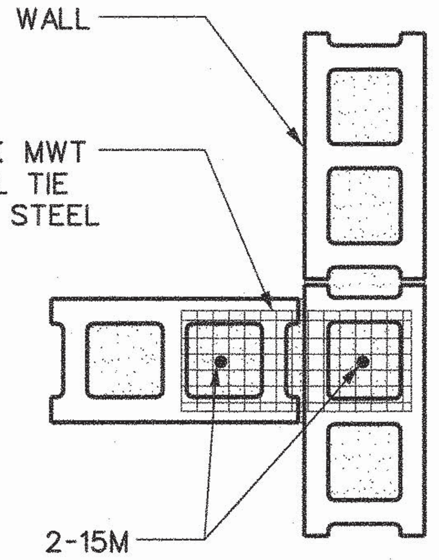



FOR BLOCK WALL LOCATIONS SEE ARCH. DRAWINGS

## TYPICAL DETAIL

LATERAL SUPPORT AT TOP OF CONCRETE OR BLOCK WALLS

1 / S500




## TYPICAL DETAIL

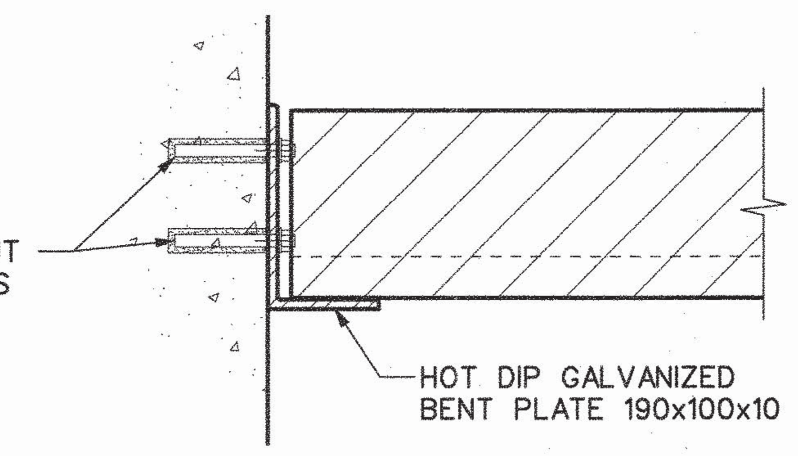
INTERSECTING MASONRY WALL

2 / S002

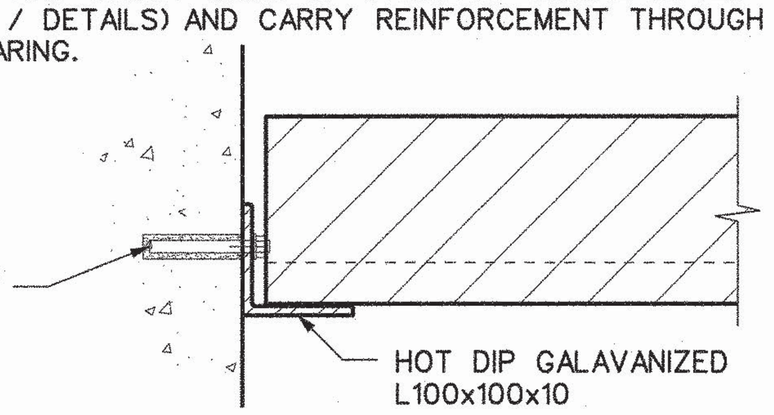
| | CLEAR SPAN | LINTEL UNIT | 90 WALL | 140 WALL | 190 WALL | 240 WALL | 290 WALL |
|---|---|---|---|---|---|---|---|
| | 190 DEEP LINTEL | | | | | | |
| L1 | UP TO 1200 | 190 | 1-10 B | 1-10 B | 2-10 B | 2-10 B | 3-10 B |
| L2 | 1200 TO 1800 | 190 | 1-15 B | 2-10 B | 2-15 B | 2-15 B | 3-15 B |
| L3 | 1800 TO 2400 | 190 | 1-15 T&B | 2-15 T&B | 2-15 T&B | 2-15 T&B | 3-15 T&B |
| | 390 DEEP LINTEL | | | | | | |
| L4 | UP TO 1200 | 390 | 1-15 B | 1-15 B | 2-15 B | 2-15 B | 3-15B |

NOTE:

1. USE ONLY FOR NON-LOAD BEARING MASONRY WALLS.
2. USE LINTELS ON THIS TYPICAL DETAIL ONLY IF THE HEIGHT OF THE MASONRY ABOVE THE OPENING IS EQUAL TO OR GREATER THAN HALF THE CLEAR SPAN OF THE OPENING AND IF THERE ARE NO CONCENTRATED LOAD DIRECTLY ABOVE THE LINTEL.
3. CONCRETE FILL FOR LINTELS TO HAVE MINIMUM 20 MPa COMPRESSIVE STRENGTH AT 28 DAYS.
4. WHERE LINTELS ABUT CONCRETE COLUMNS OR CONCRETE WALLS, PROVIDE SEAT ANGLE AS SHOWN BELOW. WHERE LINTELS ABUT STEEL COLUMNS, WELD SEAT ANGLE TO THE COLUMNS.
5. MINIMUM BEARING 200mm AND FULLY GROUT BEARING BLOCK. REINFORCE AND GROUT SIDES OF OPENINGS (WHERE NOTED ON PLANS / DETAILS) AND CARRY REINFORCEMENT THROUGH LINTEL BEARING.




SEAT DETAIL FOR LINTELS UP TO 150 WIDE




SEAT ANGLE DETAIL FOR LINTELS GREATER THAN 150 WIDE

NOTE:
GAPS TO BE GROUTED BLOCKED AND POINTED (TYPICAL)

## TYPICAL DETAIL

CONCRETE BLOCK LINTEL

3 / S200

BLDG. REF. No.

FILENAME: NOR_3s_tdet_01.dgn

SHEET No. 025

DRAWING No. SH35-8-S002

| REVISIONS | REVISIONS |
|---|---|
| | |
| | |
| | |

ISSUED FOR CONSTRUCTION

NORR
ARCHITECTS ENGINEERS PLANNERS
NORR Limited
An Ingenium Group Company
175 Bloor St. East
North Tower, 15th Floor
Toronto, ON, Canada M4W 3R8
www.norr.com

LICENSED PROFESSIONAL ENGINEER
H. SAFFARINI
100128946
July 25, 19
PROVINCE OF ONTARIO

| | | YYYY/MM/DD |
|---|---|---|
| DRAWN | R. ENDAYA | 2018/02/07 |
| CHECKED | G. ALEXANDER | 2018/11/27 |
| CORRECT | H. SAFFARINI | 2018/11/28 |
| SCALE | N.T.S. | |

SHEPPARD STATION

STATION MANAGERS OFFICE AND ZONE HUB

TYPICAL DETAILS

Contract: SH35-8

TORONTO TRANSIT COMMISSION
ENGINEERING DEPARTMENT

Dwg. No. SH35-8-S002 | Rev. No. | Sheet No. 025

Plot Date: 25-JUL-2019

CADD FILE NAME:

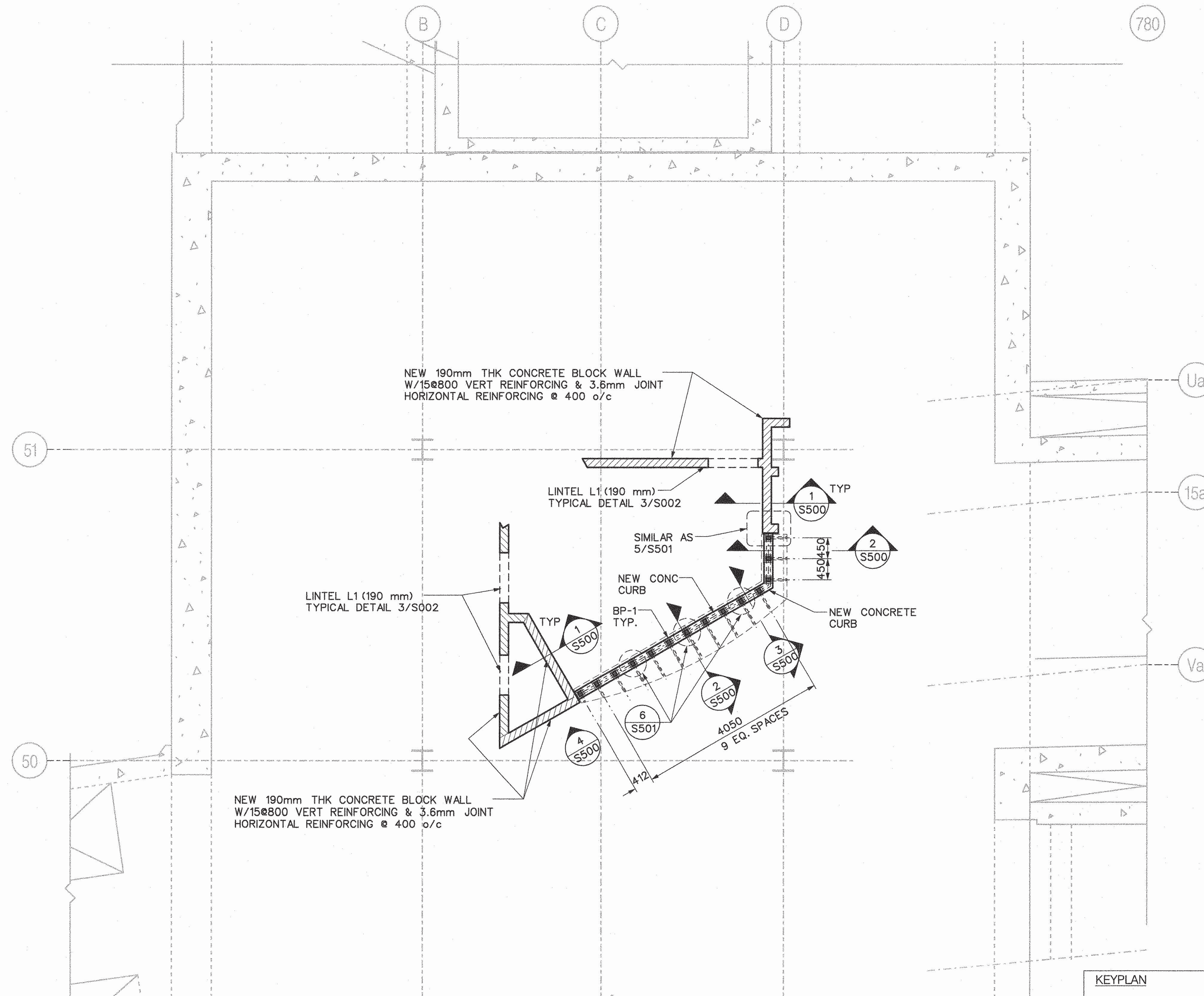
engbord3.dgn (BORDER) MAY 10, 2017

BLDG. REF. No.

FILENAME: NOR_3s_pln_concrs_01.dgn

SHEET No. 026

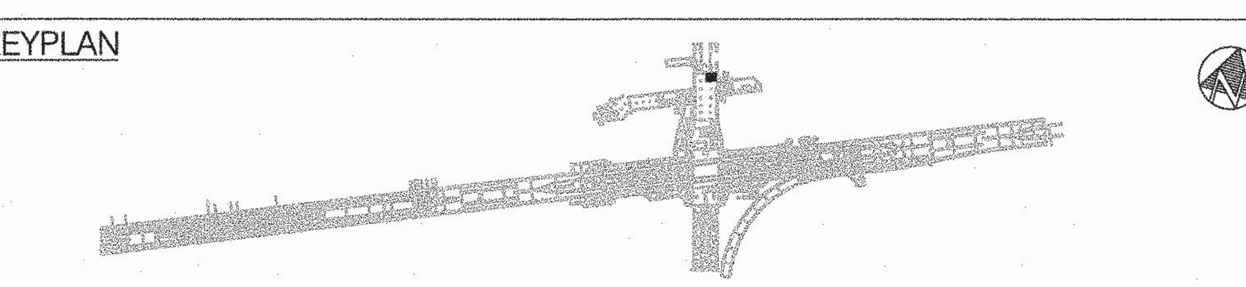
DRAWING No. SH35-8-S200




NOTES:

1. SEE ARCHITECTURAL DRAWINGS FOR LOCATION OF EXPANSION JOINTS AND WALL ELEVATIONS.
2. ALL STRUCTURAL STEEL IS GALVANIZED.
3. ALL MASONRY CONNECTORS IS GALVANIZED STEEL.

KEYPLAN



PLAN

CONCOURSE/PLATFORM LEVEL 1/S200

| REVISIONS | REVISIONS |
|---|---|
| | |
| | |
| | |

ISSUED FOR CONSTRUCTION

NORR
ARCHITECTS ENGINEERS PLANNERS
NORR Limited
An Ingenium Group Company
175 Bloor St. East
North Tower, 15th Floor
Toronto, ON, Canada M4W 3R8
www.norr.com

LICENSED PROFESSIONAL ENGINEER
H. SAFFARINI
100128946
July 25, 19
PROVINCE OF ONTARIO

| | | YYYY/MM/DD |
|---|---|---|
| DRAWN | R. ENDAYA | 2018/02/07 |
| CHECKED | G. ALEXANDER | 2018/11/27 |
| CORRECT | H. SAFFARINI | 2018/11/28 |

SCALE 0 1 2m

SHEPPARD STATION

STATION MANAGERS OFFICE AND ZONE HUB

FLOOR PLAN
CONCOURSE /PLATFORM LEVEL

Contract: SH35-8

TORONTO TRANSIT COMMISSION
ENGINEERING DEPARTMENT

| Dwg. No. | Rev. No. | Sheet No. |
|---|---|---|
| SH35-8-S200 | | 026 |

Plot Date: 25-JUL-2019

CADD FILE NAME:

engbord3.dgn (BORDER) MAY 10, 2017

BLDG. REF. No.

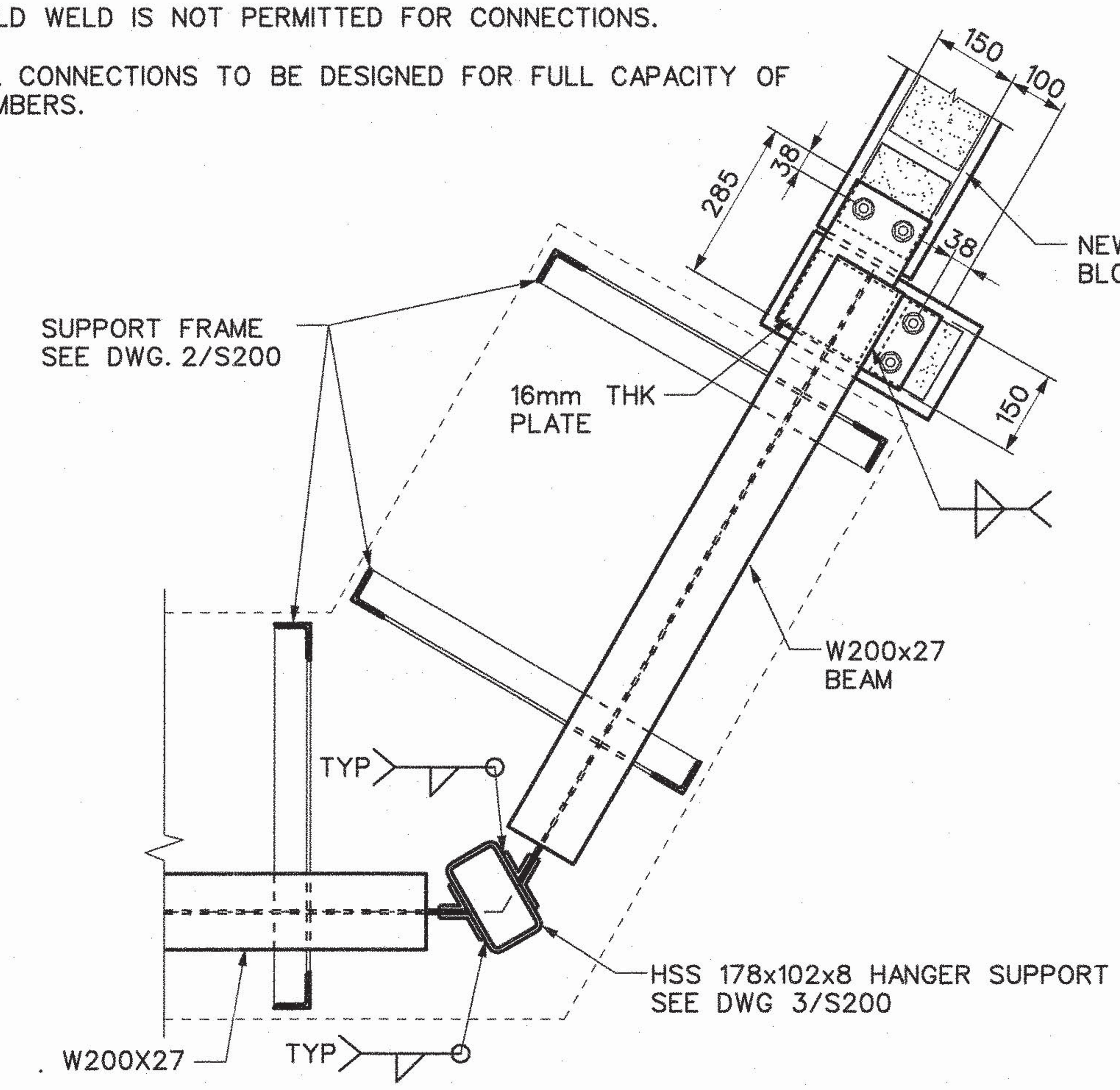
FILENAME: NOR_3s_det_01.dgn

SHEET No. 027

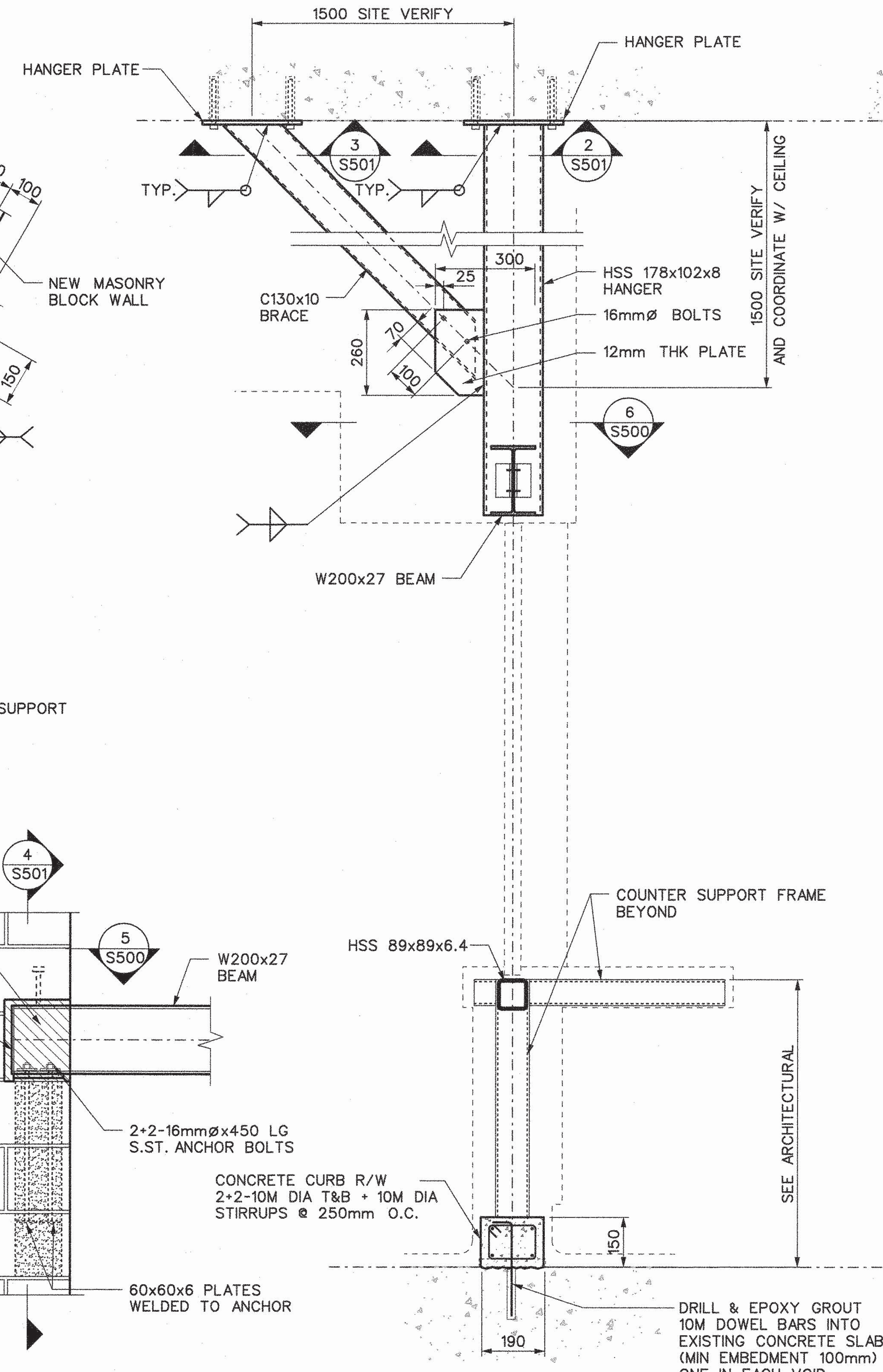
DRAWING No. SH35-8-S500

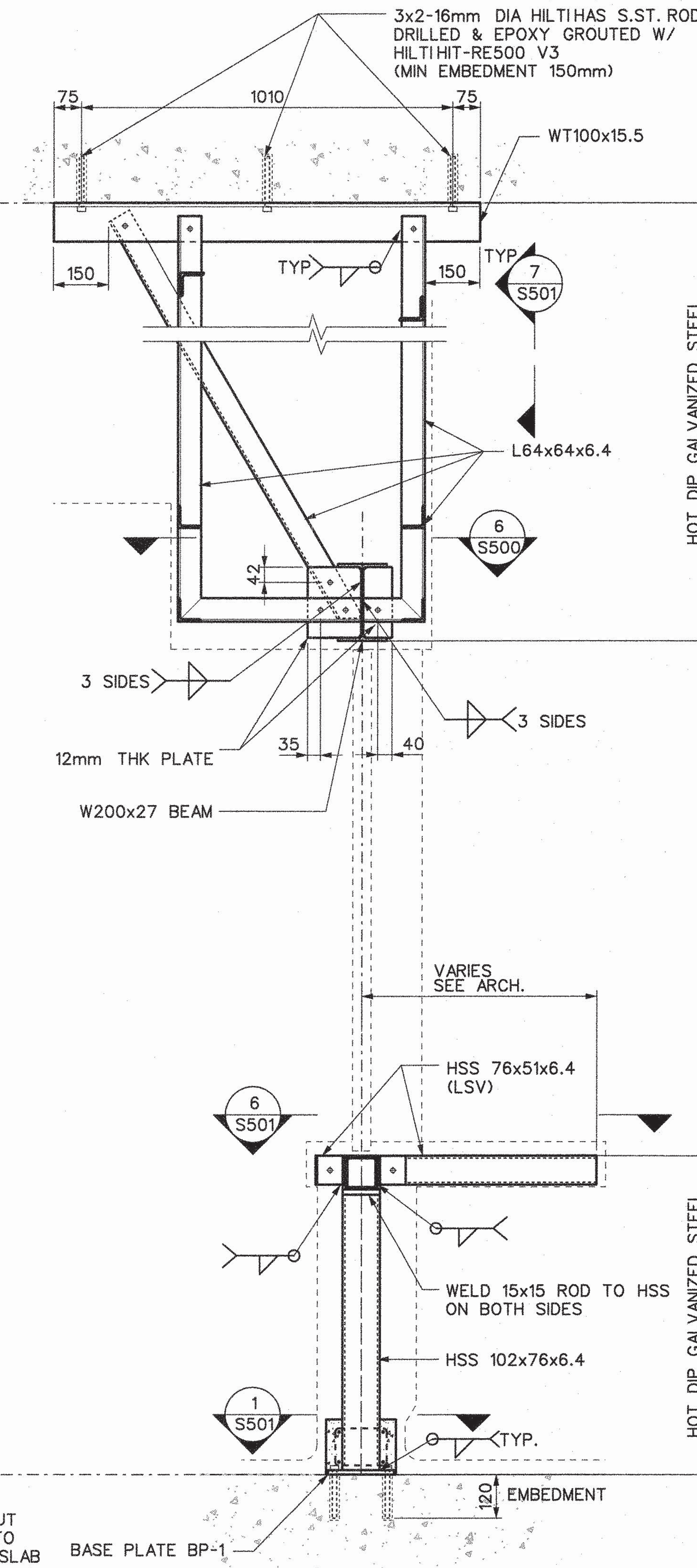
NOTES:

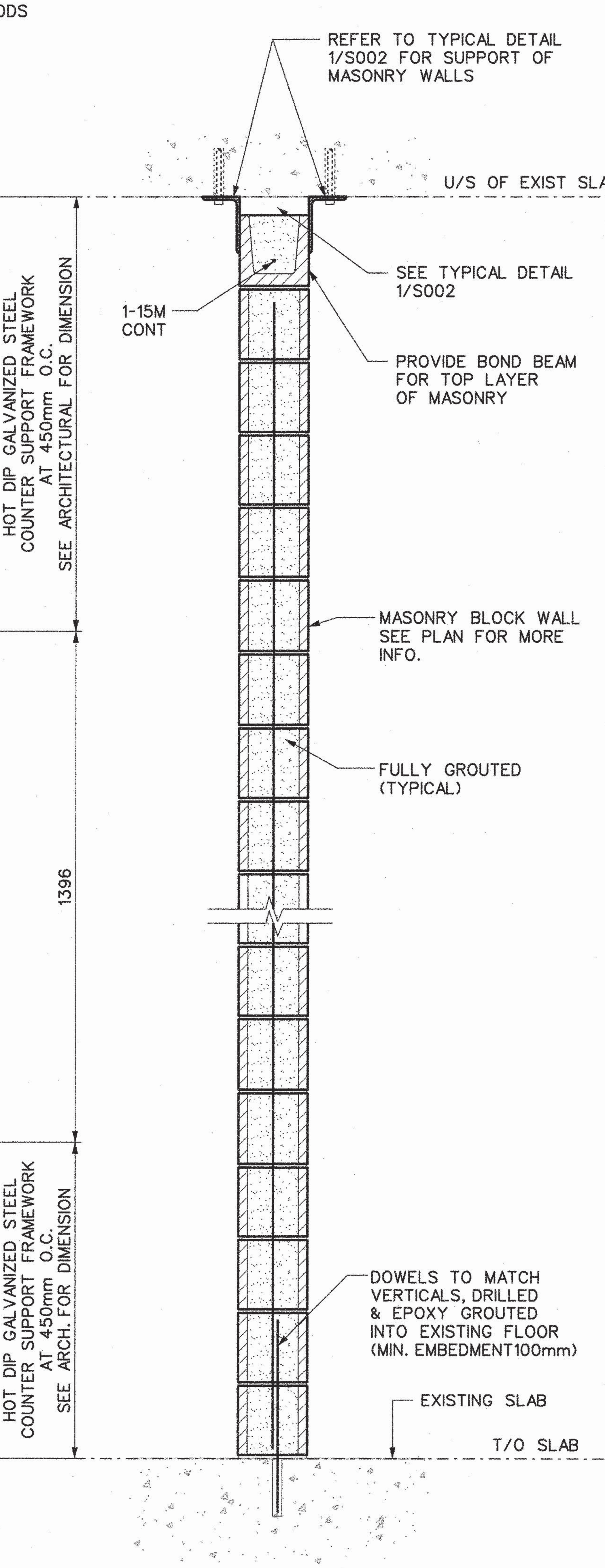
1. SCAN EXISTING SLAB TO LOCATE REINFORCING LAYOUT BEFORE CORING OR DRILLING IN EXISTING SLAB. DO NOT CUT EXISTING REINFORCEMENT.
2. ALL STRUCTURAL COMPONENTS ARE HOT DIP GALVANIZED STEEL.
3. ALL CONCRETE ANCHORS SHALL BE STAINLESS STEEL.
4. FOR FIRE SEPARATION DETAILS. REFER TO ARCHITECTURAL DRAWINGS.
5. AT LINTEL AND BEAM BEARING LOCATION REINFORCE CONCRETE BLOCK WITH 1-15M PER VOID AND FULLY GROUT PIER SOLID.
6. FIELD WELD IS NOT PERMITTED FOR CONNECTIONS.
7. ALL CONNECTIONS TO BE DESIGNED FOR FULL CAPACITY OF MEMBERS.

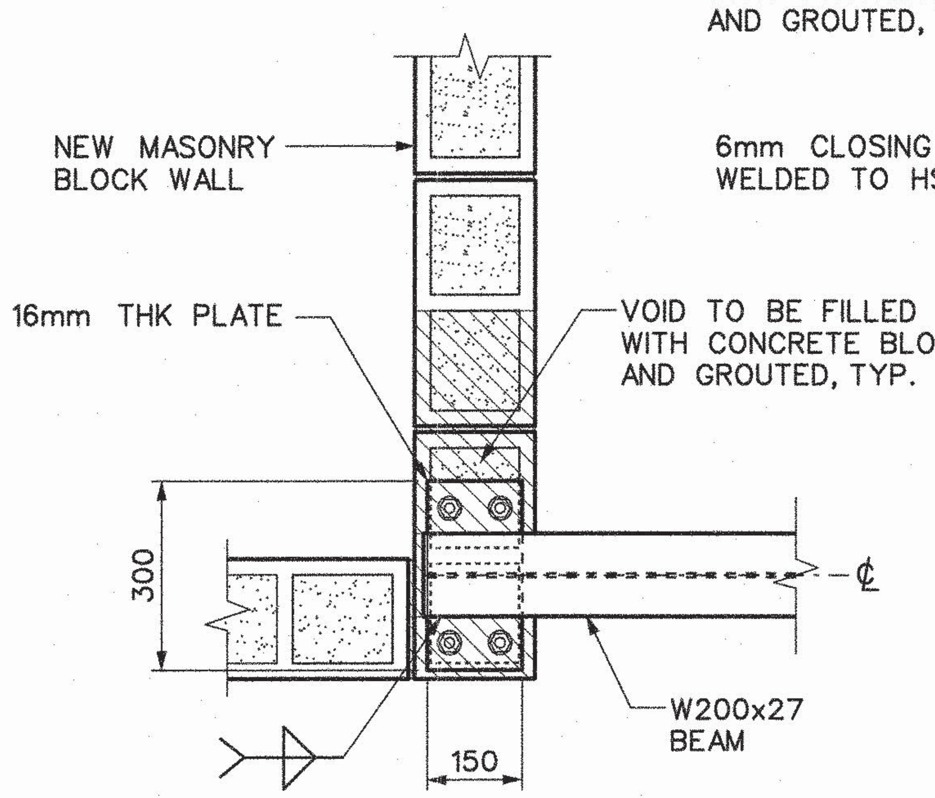



PLAN
BEAM SUPPORT DETAILS - PARTIAL PLAN 6 S500

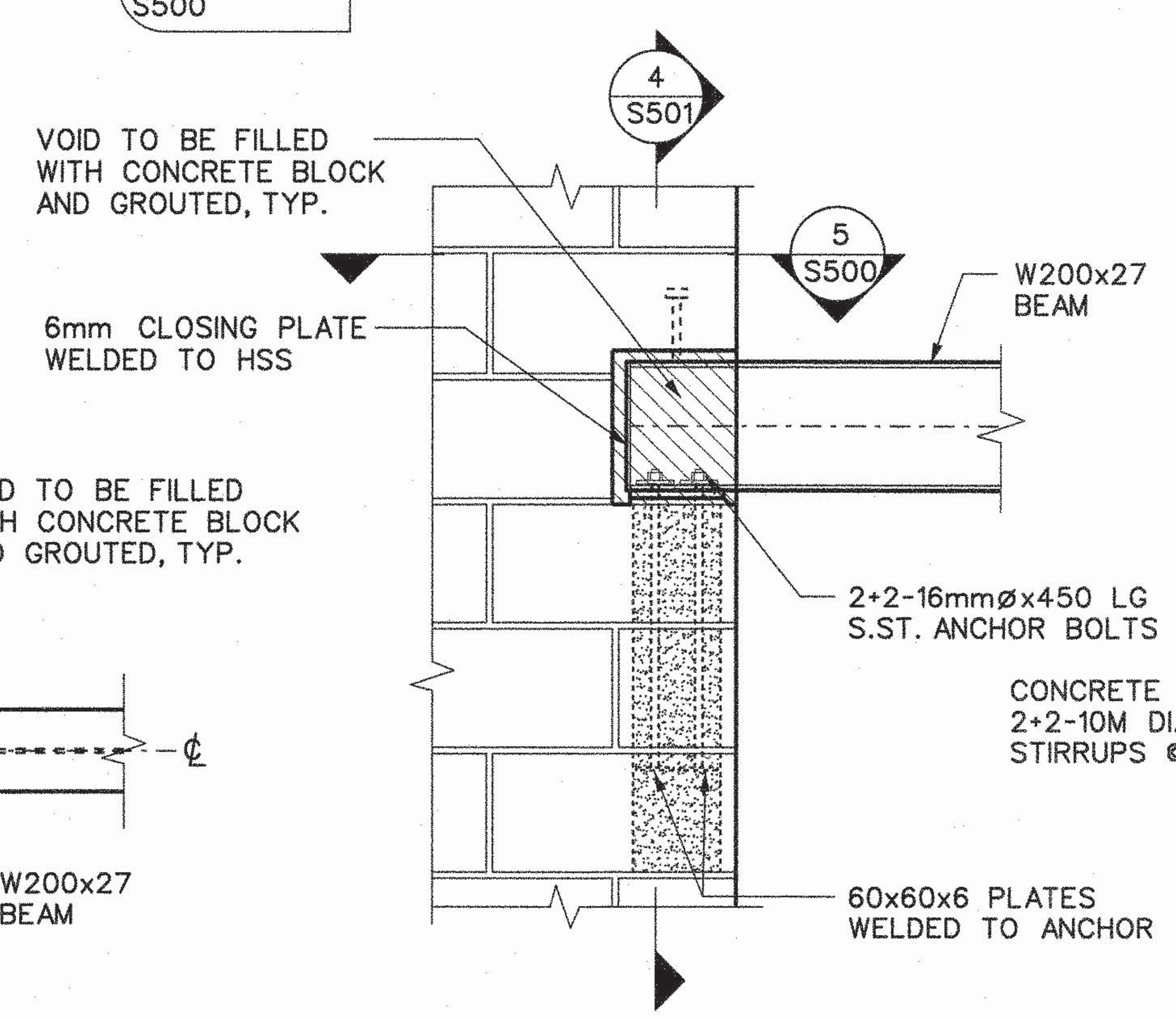



PLAN
BEAM SUPPORT DETAILS - PARTIAL PLAN 5 S500




ELEVATION
BEAM SUPPORT DETAILS - PARTIAL ELEVATION 4 S200

SECTION
HANGER & SUPPORT FRAME DETAILS 3 S200

SECTION
SUPPORT FRAME DETAILS 2 S200

SECTION
TYPICAL MASONRY WALL SECTION 1 S200

| REVISIONS | REVISIONS |
|---|---|
| | |
| | |
| | |

ISSUED FOR CONSTRUCTION

NORR
ARCHITECTS ENGINEERS PLANNERS
NORR Limited
An Ingenium Group Company
175 Bloor St. East
North Tower, 15th Floor
Toronto, ON, Canada M4W 3R8
www.norr.com

LICENSED PROFESSIONAL ENGINEER
H. SAFFARINI
100128946
July 25, 19
PROVINCE OF ONTARIO

| | | YYYY/MM/DD |
|---|---|---|
| DRAWN | R. ENDAYA | 2018/02/07 |
| CHECKED | G. ALEXANDER | 2018/11/27 |
| CORRECT | H. SAFFARINI | 2018/11/28 |

SCALE 0 100 200 300 400mm

SHEPPARD STATION

STATION MANAGERS OFFICE AND ZONE HUB

SECTIONS & DETAILS 01

Contract: SH35-8

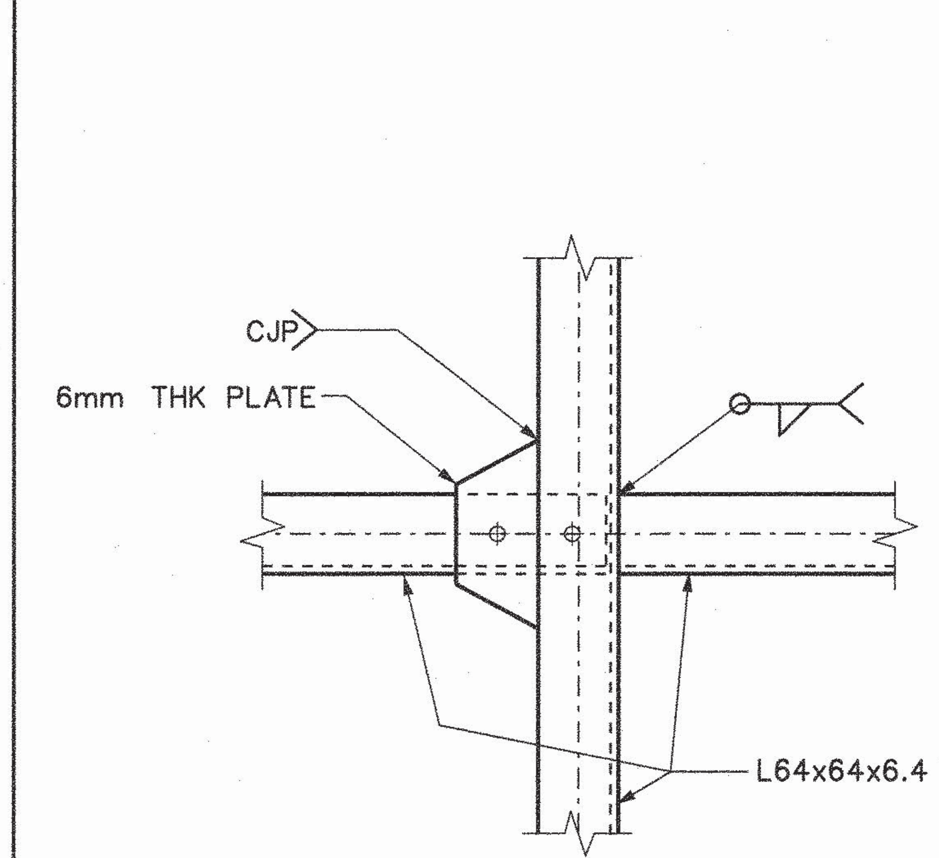
TORONTO TRANSIT COMMISSION
ENGINEERING DEPARTMENT

| Dwg. No. | Rev. No. | Sheet No. |
|---|---|---|
| SH35-8-S500 | | 027 |

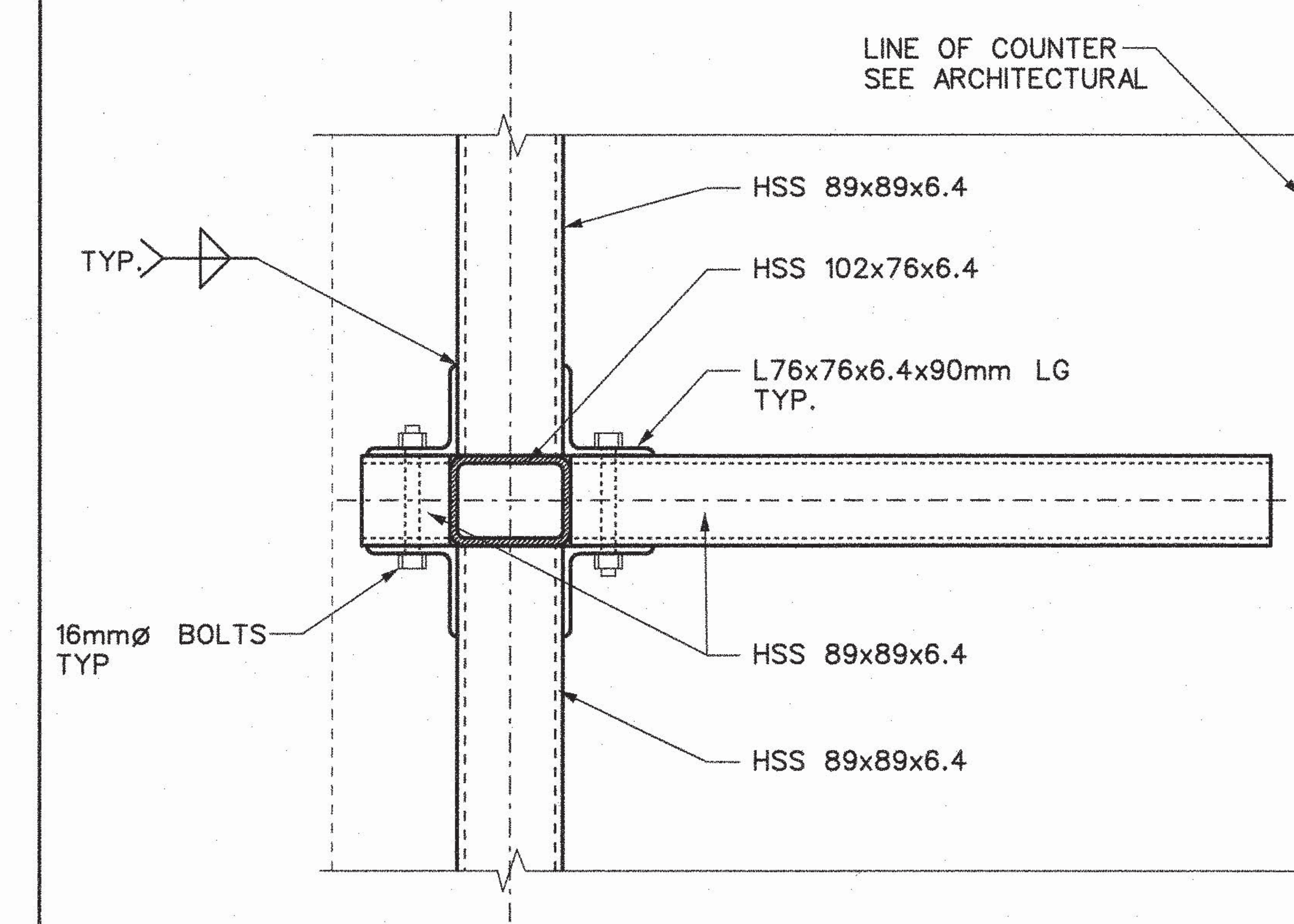
Plot Date: 25-JUL-2019

CADD FILE NAME:

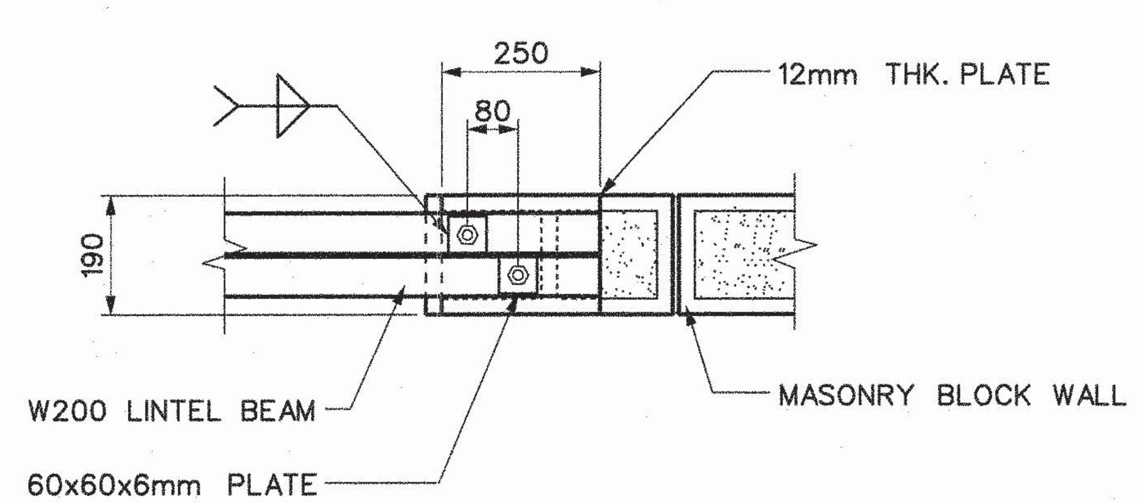
engbord3.dgn (BORDER) MAY 10, 2017



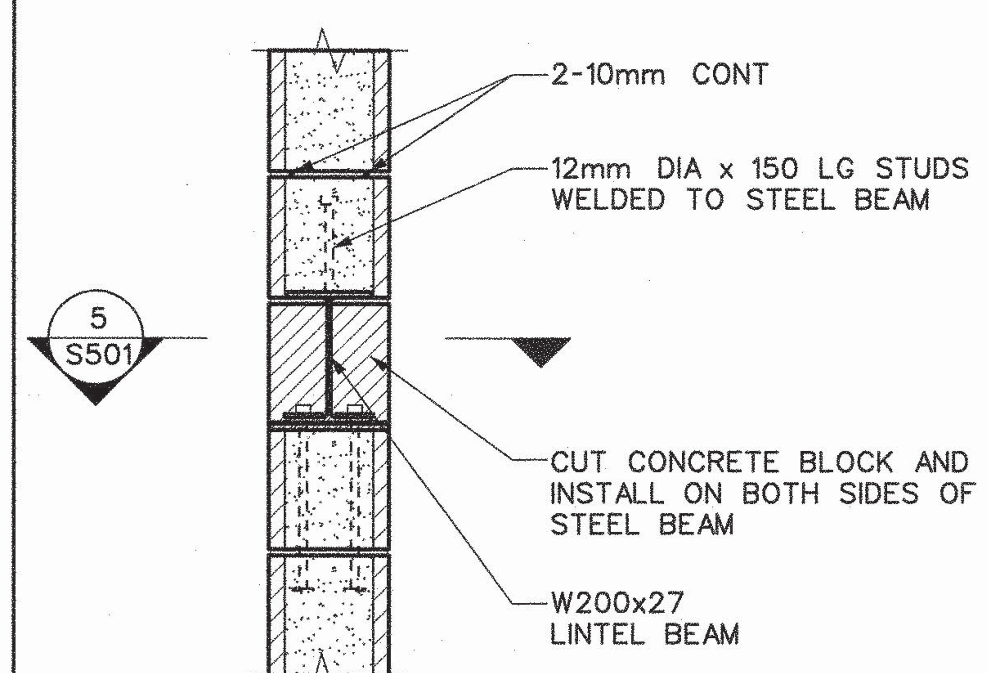

ELEVATION
0 100 200mm
7
TYPICAL ANGLE CONNECTION DETAIL
S500



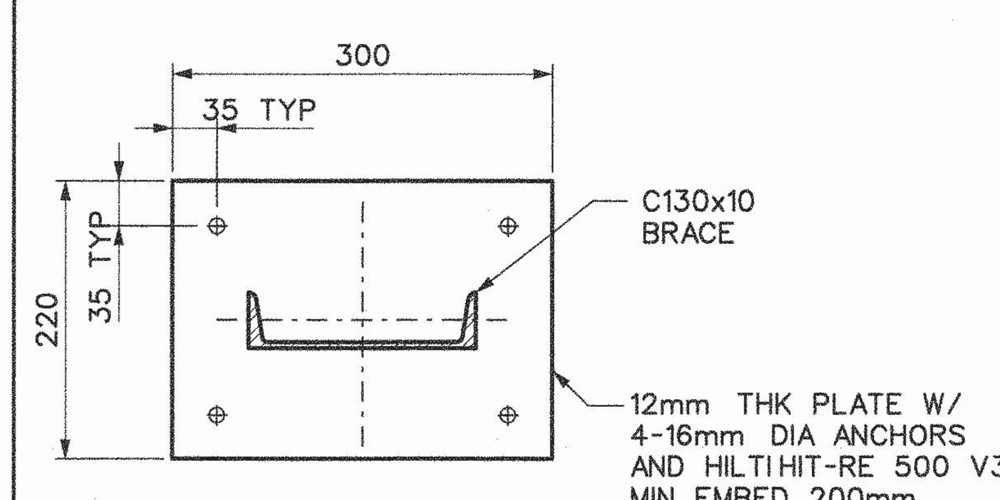

PLAN
0 100 200mm
6
CONNECTION DETAIL AFTER EVERY THIRD SPACING
S200, S500



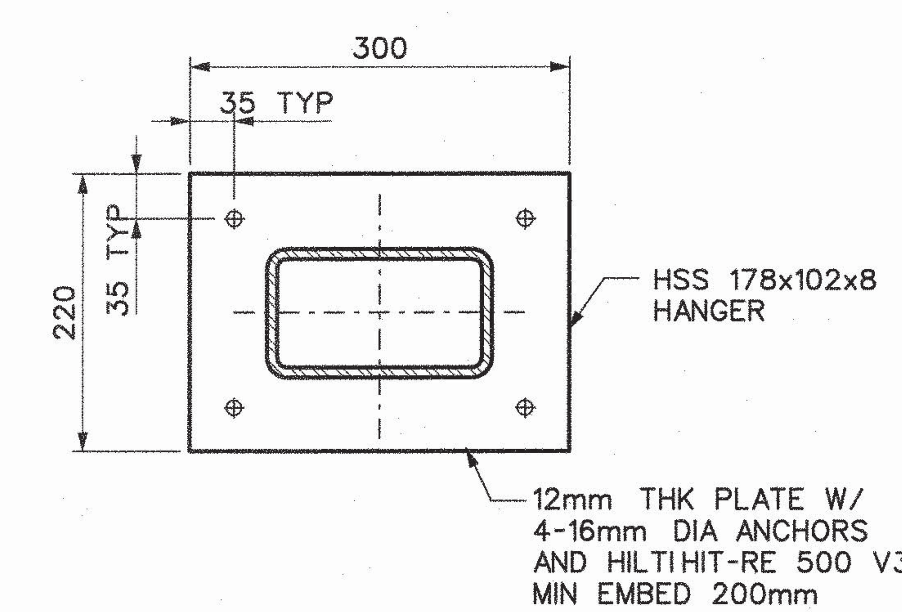

PLAN
5
TYPICAL LINTEL ON BEARING PLATE
S501



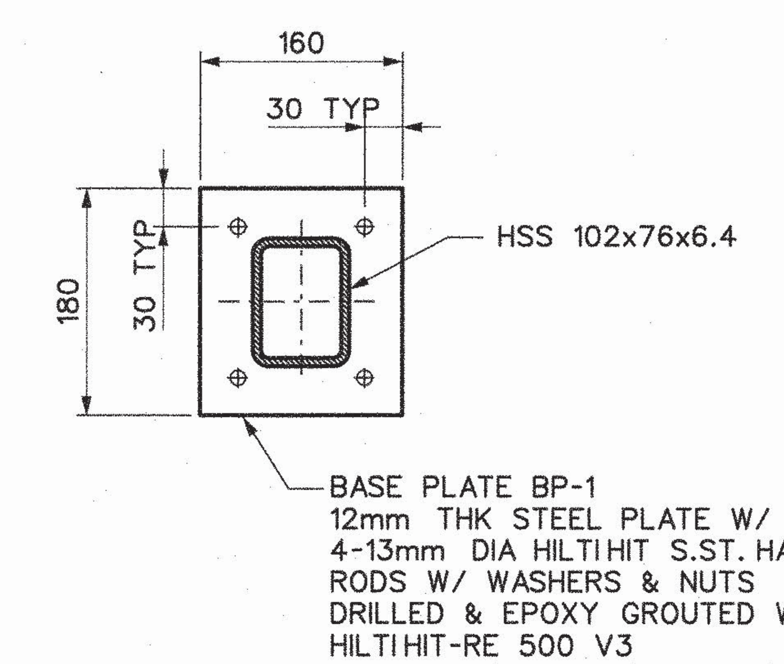

SECTION
4
LINTEL BEAM DETAIL
S500




DETAIL
0 100 200mm
3
BRACE PLATE DETAIL
S500




DETAIL
0 100 200mm
2
HANGER PLATE DETAIL
S500




DETAIL
0 100 200mm
1
BP-1 - BASE PLATE DETAIL
S500

| REVISIONS | REVISIONS |
|---|---|
| | |
| | |
| | |

ISSUED FOR CONSTRUCTION

NORR
ARCHITECTS ENGINEERS PLANNERS
NORR Limited
An Ingenium Group Company
175 Bloor St. East
North Tower, 15th Floor
Toronto, ON, Canada M4W 3R8
www.norr.com

LICENSED PROFESSIONAL ENGINEER
H. SAFFARINI
100128946
July 25, 19
PROVINCE OF ONTARIO

| | | YYYY/MM/DD |
|---|---|---|
| DRAWN | R. ENDAYA | 2018/02/07 |
| CHECKED | G. ALEXANDER | 2018/11/27 |
| CORRECT | H. SAFFARINI | 2018/11/28 |

SCALE 0 100 200 300 400mm

SHEPPARD STATION

STATION MANAGERS OFFICE AND ZONE HUB

SECTIONS & DETAILS 02

Contract: SH35-8

TORONTO TRANSIT COMMISSION
ENGINEERING DEPARTMENT

Dwg. No. SH35-8-S501 Rev. No. Sheet No. 027A

Plot Date: 25-JUL-2019

BLDG. REF. No.
FILENAME: NOR_3s_det_02.dgn
SHEET No. 027A
DRAWING No. SH35-8-S501

## MECHANICAL – GENERAL

| | |
|---|---|
| AC-5 | EQUIPMENT DESIGNATION, SEE ABBREVIATION LEGEND<br>EQUIPMENT NUMBER |
| 20Y-SVF-5 | SUBWAY VENTILATION EQUIPMENT, SEE ABBREVIATION LEGEND<br>EQUIPMENT NUMBER<br>FACILITY LOCATION IDENTIFIER NUMBER |
| | EXISTING SERVICES TO REMAIN |
| | NEW SERVICES |
| | EXISTING SERVICES TO BE DEMOLISHED |
| CTE | CONNECT TO EXISTING |
| | HEAT TRACED & INSULATED LINE |
| HT-1 | HEAT TRACING THERMOSTAT AND CIRCUIT NUMBER |
| TW | TRACER WIRE JUNCTION BOX |
| A1 | HEAT TRACING CIRCUIT NODE |
| Ax | REFERENCE POINT/MARKER |
| | GATE/GATE ANGLE VALVE |
| | BALL VALVE |
| | CHECK VALVE |
| | PRESSURE REDUCING VALVE |
| | GLOBE VALVE |
| | BALANCING VALVE |
| | NEEDLE VALVE |
| | PRESSURE RELIEF VALVE |
| | Y STRAINER |
| | PIPE ELBOW UP/ TOWARD |
| | PIPE ELBOW DOWN/ AWAY |
| | PIPE TEE DOWN/ AWAY |
| | 90° ELBOW FITTING |
| | 45° ELBOW FITTING |
| | 90° TEE FITTING |

## FIXTURES

| | |
|---|---|
| WC | WATER CLOSET |
| UR | URINAL |
| WF | WASH FOUNTAIN |
| LAV | LAVATORY |
| SH SH | SHOWER STALLS |
| J.S. | JANITOR SINK |
| K.S. | KITCHEN SINK |
| FD-x | FLOOR DRAIN - LETTER DENOTES TYPE |

## MECHANICAL – GENERAL

| | |
|---|---|
| | 45° LATERAL FITTING |
| | 90° CROSS TEE FITTING |
| | UNION - SCREWED |
| | UNION - FLANGED |
| | PIPE ANCHOR |
| | PIPE GUIDE |
| | PIPE CAP - SCREWED |
| | PIPE CAP - WELDED |
| | PIPE FLANGE |
| | FLOW METER ORIFICE FLANGE |
| | THERMOMETER |
| | PRESSURE GAUGE & COCK |
| SG | SIGHT GLASS |
| FS | FLOW SWITCH |
| PS | PRESSURE SWITCH |
| | PUMP |
| | PIPE SUPPORT |
| | PIPE SUPPORT & ANCHOR |
| | FLOW DIRECTION |
| | LEVEL ACTUATOR |
| TP-1 | TRAP PRIMER |

## PLUMBING

| | |
|---|---|
| —DCW— | DOMESTIC COLD WATER |
| —DHW— | DOMESTIC HOT WATER |
| —DHWR— | DOMESTIC HOT WATER RECIRCULATING LINE |
| —TPL— | TRAP PRIMING LINE |
| WM | WATER METER |

## DRAINAGE

| | |
|---|---|
| —SAN— | SANITARY ABOVE FLOOR/GRADE |
| — —SAN— — | SANITARY BELOW FLOOR/GRADE |
| —SAN.P— | SANITARY PUMPED |
| — — —V— — — | VENT |
| | DIRECTION OF SLOPE DOWN |
| CO | CLEANOUT ABOVE FLOOR/GRADE |
| CO | CLEANOUT BELOW FLOOR/GRADE |
| | DRAIN CONNECTION c/w TRAP |
| CO | RUNNING TRAP WITH C.O. |
| | PLUMBING VENT AT ROOF |

## FIRE PROTECTION

| | |
|---|---|
| —STP— | STANDPIPE TO FHC/FHR |
| —DSP— | DRY SPRINKLER PIPE |
| —WSP— | WET SPRINKLER PIPE |
| —DFL— | DRY FIRE LINE |
| —WFL— | WET FIRE LINE |
| —CAG— | CLEAN AGENT GAS |
| ITV | INSPECTOR'S TEST VALVE |
| | DELUGE VALVE |
| FHC | FIRE HOSE CABINET |
| FHR | FIRE HOSE REEL |
| FHR | FIRE HOSE RACK |
| FHSC | FIRE HOSE STORAGE CABINET |
| FE-x | FIRE EXTINGUISHER - LETTER DENOTES TYPE |
| | UPRIGHT SPRINKLER HEAD |
| | PENENT SPRINKLER HEAD |
| | CONCEALED SPRINKLER HEAD |
| FH | FIRE HYDRANT |

## H.V.A.C.

| | |
|---|---|
| | SUPPLY AIR DUCT UP/TOWARD |
| | RETURN/ EXHAUST AIR DUCT UP/ TOWARD |
| | SUPPLY AIR DUCT DOWN/AWAY |
| | RETURN/ EXHAUST AIR DUCT DOWN/ AWAY |
| | ACOUSTIC LINED DUCT |
| | FLEXIBLE CONNECTION |
| | BRANCH TAKE- OFF c/w BALANCING DAMPER |
| | FLEXIBLE DUCTWORK c/w DAMPER |
| BD | BALANCING DAMPER - MANUAL |
| FD | FIRE DAMPER |
| SD | SPLITTER DAMPER - MANUAL |
| | SQUARE ELBOW w/ TURNING VANES |
| | SUPPLY AIR DIFFUSER (SQUARE/ROUND ) |
| | RETURN AIR/ EXHAUST AIR GRILLE |
| A MM x MM L/s | DIFFUSER/GRILLE TYPE<br>NECK/GRILLE SIZE<br>AIR QUANTITY |
| —RL— | REFRIGERANT LIQUID |
| —RHG— | REFRIGERANT HOT GAS |

## H.V.A.C.

| | |
|---|---|
| —HWS— | HEATING WATER SUPPLY |
| — —HWR— — | HEATING WATER RETURN |
| — — —C— — — | CONDENSATE |

## EQUIVALENT PIPE SIZES

| PIPE DIA. mm | NPS EQUIVALENT | PIPE DIA. mm | NPS EQUIVALENT |
|---|---|---|---|
| 13 | NPS 1/2 | 63 | NPS 2 1/2 |
| 19 | NPS 3/4 | 75 | NPS 3 |
| 25 | NPS 1 | 100 | NPS 4 |
| 32 | NPS 1 1/4 | 150 | NPS 6 |
| 38 | NPS 1 1/2 | 200 | NPS 8 |
| 50 | NPS 2 | 250 | NPS 10 |

## EQUIPMENT ABBREVIATIONS

| | |
|---|---|
| ACU | - AIR CONDITIONING UNIT |
| CDN | - AIR COOLED CONDENSER |
| AHU | - AIR HANDLING UNIT |
| AR | - AIR RECEIVER |
| EF | - EXHAUST FAN |
| EJ | - EXPANSION JOINT |
| EPP | - EXCESS PRESSURE PUMP |
| EWS | - EYEWASH STATION |
| EWT | - EYEWASH TEMPERING UNIT |
| FAH | - FORCED AIR HEATER |
| FE | - FIRE EXTINGUISHER |
| FHC | - FIRE HOSE CABINET |
| FHR | - FIRE HOSE REEL |
| FLX | - FLEX. CONNECTOR |
| FM | - FLUID METER |
| FRP | - FIRE PUMP |
| FS | - FLOW SWITCH |
| FTS | - FLOAT SWITCH |
| GM | - GAS METER |
| HC | - HEATING COIL |
| HST | - HOISTING EQUIPMENT |
| HT | - HEAT TRACING |
| HTU | - HEATING UNIT |
| HWT | - HOT WATER TANK |
| HX | - HEAT EXCHANGER |
| JB | - JUNCTION BOX |
| JS | - JANITOR SINK |
| KS | - KITCHEN SINK |
| L | - LOUVRE |
| OF | - OVERFILL ALARM |
| P | - PUMP |
| PRV | - PRESSURE RELIEF VALVE |
| RAF | - RETURN AIR FAN |
| RHC | - REHEAT COIL |
| SDM | - SMOKE DAMPER |
| SDT | - SMOKE DETECTOR |
| SF | - SUPPLY FAN |
| SL | - SILENCER |
| SP | - SUMP PUMP |
| T | - TANK |
| TAD | - TRANSFER AIR DUCT |
| TD | - TRENCH DRAIN |
| TIH | - TANK IMMERSION HEATER |
| TP | - TRAP PRIMER |
| TU | - TERMINAL UNIT |
| TWB | - TRACER WIRE JUNCTION BOX |
| UH | - UNIT HEATER |
| VU | - VENTILATING UNIT |
| WFR | - WALL FIN RADIATION |
| WM | - WATER METER |
| WGD | - WASTE GLYCOL DRUM |
| WOD | - WASTE OIL DRUM |

## GENERAL NOTES

A. CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE SITE PRIOR TO TENDER AND INCLUDING FOR COSTS ASSOCIATED WITH ACCESSING AND PROTECTING WORK AREAS, REFER TO ARCHITECTURAL DRAWINGS FOR IDENTIFICATION OF WORK AREAS, CONSTRAINTS AND PROTECTION.

B. CO-ORDINATE LOCATIONS OF REQUIRED OPENINGS IN WALLS AND ROOF FOR MECHANICAL SYSTEMS. LOCATIONS AND SIZES SHOWN ARE APPROXIMATE. REFER TO REVIEWED SHOP DRAWINGS AND PRODUCT DATA FOR ACTUAL DIMENSIONS. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR EQUIPMENT SUPPORTS AND FRAMED OPENINGS.

C. ALL MODIFICATIONS, DELETIONS AND ADDITIONS TO THE EXISTING FIRE PROTECTION SYSTEM AS INDICATED IN THE CONTRACT DOCUMENTS IS TO BE PERFORMED IN ACCORDANCE WITH NFPA 13 AND OBC.

D. EXISITNG EQUIPMENT IS TYPICALLY SHOWN FOR ILLUSTRATIVE PURPOSES AND UNLESS OTHERWISE NOTED IS TO REMAIN. NOT ALL EXISTING EQUIPMENT IS IDENTIFIED OR SHOWN.

E. SIZES, LOCATIONS AND ELEVATIONS OF EXISTING SERVICES SHOWN ARE BASED ON AVALABLE EXISTING DRAWINGS. CONTRACTOR TO NOTIFY THE ENGINEER, WHERE ANY DISCREPANCIES IMPACT WORK.



| REVISIONS | REVISIONS |
|---|---|
| | |
| | |
| | |

ISSUED FOR CONSTRUCTION

NORR
ARCHITECTS ENGINEERS PLANNERS
NORR Limited
An Ingenium Group Company
175 Bloor St. East
North Tower, 15th Floor
Toronto, ON, Canada M4W 3R8
www.norr.com

REGISTERED PROFESSIONAL ENGINEER
B.P. FARKAS
17/07/19
PROVINCE OF ONTARIO

| | | YYYY/MM/DD |
|---|---|---|
| DRAWN | K. YU | 2017/09/26 |
| CHECKED | S. MURRAY | 2018/06/27 |
| CORRECT | B. FARKAS | 2018/06/28 |
| SCALE | N.T.S. | |

SHEPPARD STATION

STATION MANAGERS OFFICE AND ZONE HUB

MECHANICAL SERVICES LEGEND & SYMBOLS

Contract: SH35-8

TORONTO TRANSIT COMMISSION
ENGINEERING DEPARTMENT

| Dwg. No. | Rev. No. | Sheet No. |
|---|---|---|
| SH35-8-M001 | | 028 |

Plot Date: 16-JUL-2019

CADD FILE NAME: NOR 81s kpln plat.dgn

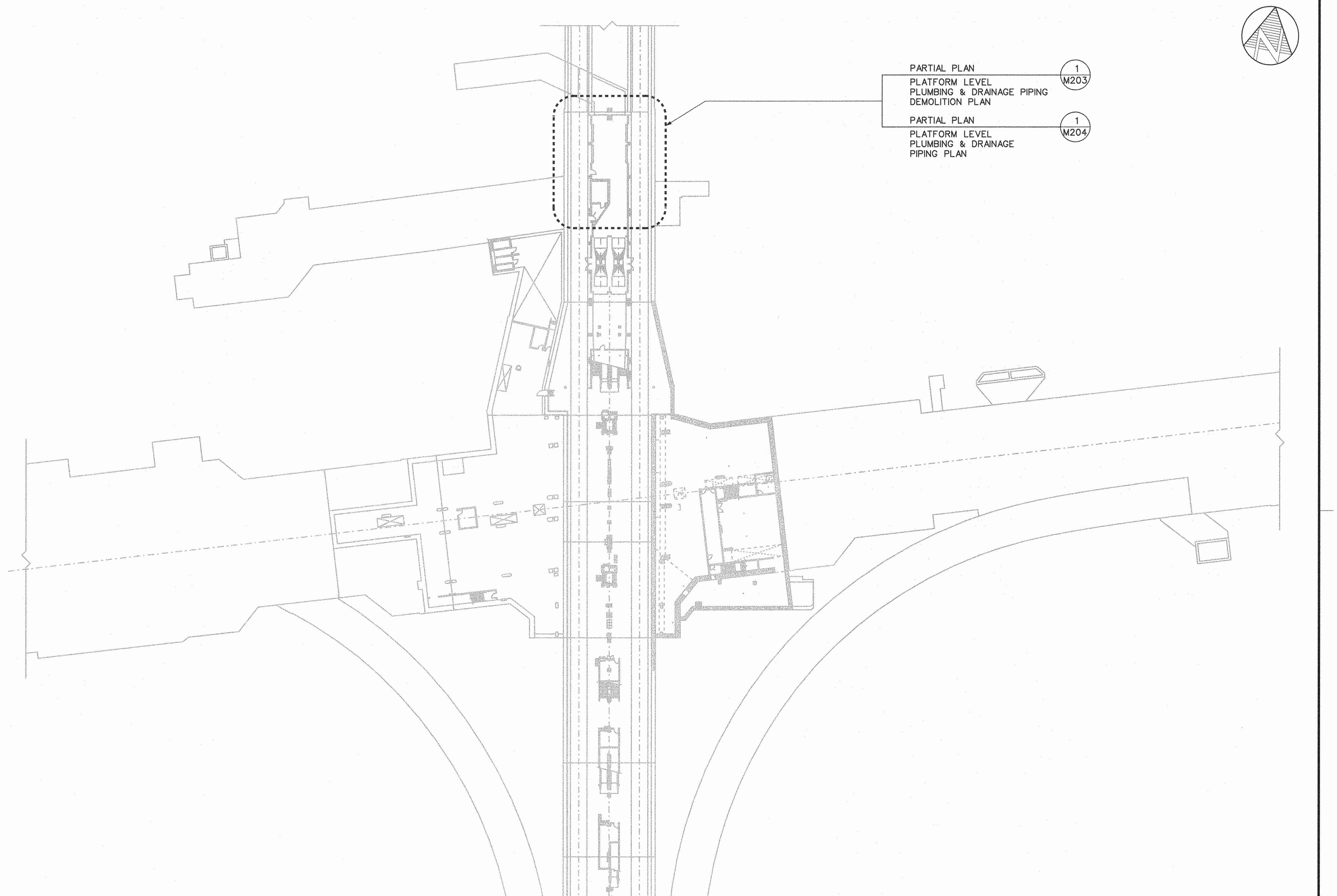
engbord3.dgn (BORDER) MAY 10, 2017

BLDG. REF. No.

FILENAME: NOR_81s_kpln_plat.dgn

SHEET No. 028A

DRAWING No. SH35-8-M002




PLAN

PLATFORM LEVEL KEY PLAN

1
M002

| REVISIONS | REVISIONS |
|---|---|
| | |
| | |
| | |

ISSUED FOR CONSTRUCTION

NORR
ARCHITECTS ENGINEERS PLANNERS
NORR Limited
An Ingenium Group Company
175 Bloor St. East
North Tower, 15th Floor
Toronto, ON, Canada M4W 3R8
www.norr.com

REGISTERED PROFESSIONAL ENGINEER
B.P. FARKAS
17/07/19
PROVINCE OF ONTARIO

| | | YYYY/MM/DD |
|---|---|---|
| DRAWN | J. WONG | 2018/04/19 |
| CHECKED | S. MURRAY | 2018/06/27 |
| CORRECT | B. FARKAS | 2018/06/28 |

SCALE 0 5 10 15 20m

SHEPPARD STATION

STATION MANAGERS OFFICE AND ZONE HUB

MECHANICAL SERVICES
PLATFORM KEY PLAN

Contract: SH35-8

TORONTO TRANSIT COMMISSION
ENGINEERING DEPARTMENT

| Dwg. No. | Rev. No. | Sheet No. |
|---|---|---|
| SH35-8-M002 | | 028A |

Plot Date: 16-JUL-2019

CADD FILE NAME: NOR 81s kpln concrs.dgn

engbord3.dgn (BORDER) MAY 10, 2017

BLDG. REF. No.

FILENAME: NOR_81s_kpln_concrs.dgn

SHEET No. 028B

DRAWING No. SH35-8-M003

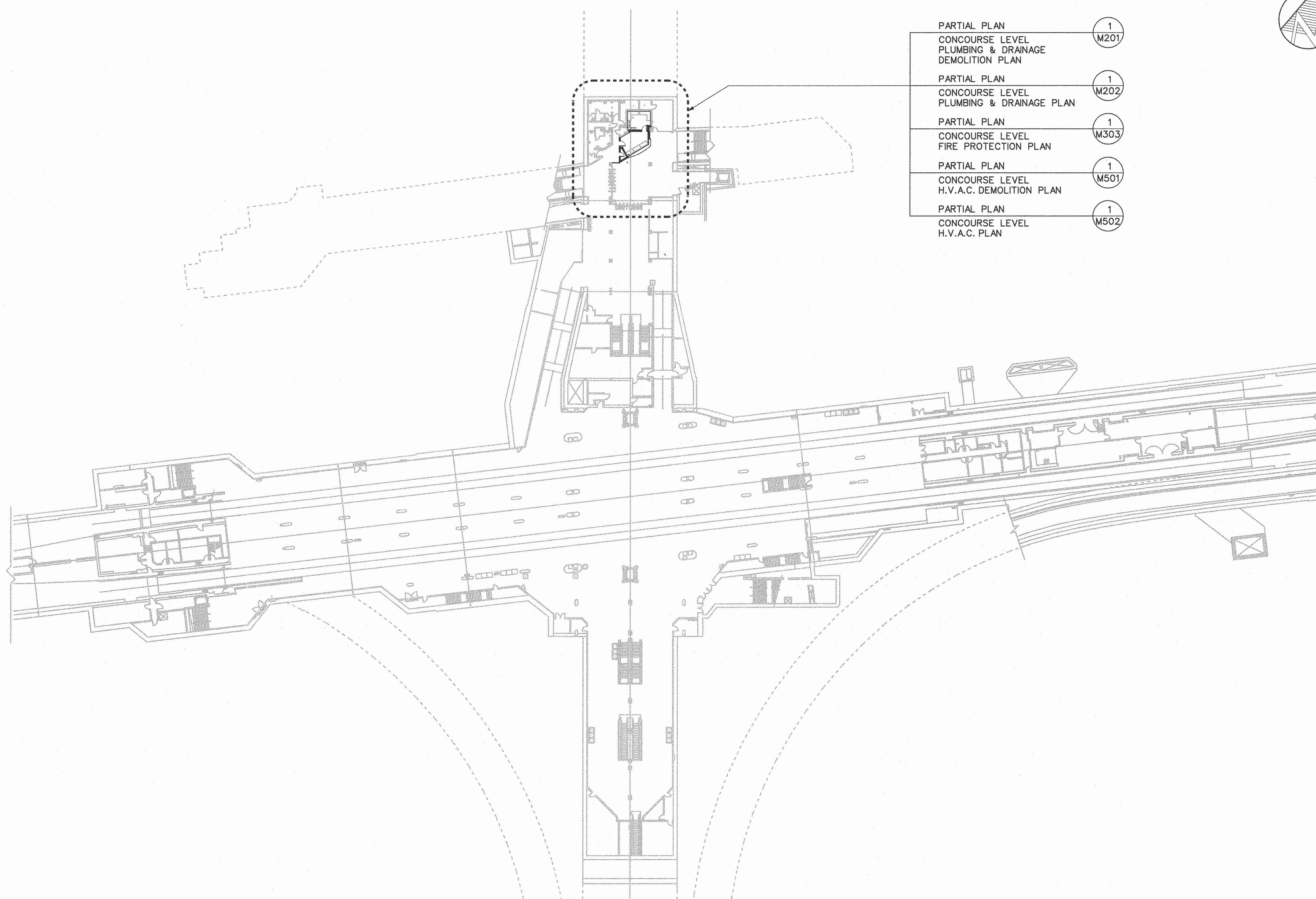
PARTIAL PLAN 1/M201
CONCOURSE LEVEL
PLUMBING & DRAINAGE
DEMOLITION PLAN

PARTIAL PLAN 1/M202
CONCOURSE LEVEL
PLUMBING & DRAINAGE PLAN

PARTIAL PLAN 1/M303
CONCOURSE LEVEL
FIRE PROTECTION PLAN

PARTIAL PLAN 1/M501
CONCOURSE LEVEL
H.V.A.C. DEMOLITION PLAN

PARTIAL PLAN 1/M502
CONCOURSE LEVEL
H.V.A.C. PLAN



PLAN 1/M003
CONCOURSE / PLATFORM LEVEL KEY PLAN

| REVISIONS | REVISIONS |
|---|---|
| △ | △ |
| △ | △ |
| △ | △ |

ISSUED FOR CONSTRUCTION

NORR
ARCHITECTS ENGINEERS PLANNERS
NORR Limited
An Ingenium Group Company
175 Bloor St.East
North Tower,15th Floor
Toronto, ON, Canada M4W 3R8
www.norr.com

REGISTERED PROFESSIONAL ENGINEER
B.P. FARKAS
17/07/19
PROVINCE OF ONTARIO

| | | YYYY/MM/DD |
|---|---|---|
| DRAWN | J. WONG | 2018/04/19 |
| CHECKED | S. MURRAY | 2018/06/27 |
| CORRECT | B. FARKAS | 2018/06/28 |

SCALE 0 5 10 15 20m

SHEPPARD STATION

STATION MANAGERS OFFICE AND ZONE HUB

MECHANICAL SERVICES
CONCOURSE /PLATFORM LEVEL KEY PLAN

Contract: SH35-8

TORONTO TRANSIT COMMISSION
ENGINEERING DEPARTMENT

| Dwg. No. | Rev. No. | Sheet No. |
|---|---|---|
| SH35-8-M003 | | 028B |

Plot Date: 16-JUL-2019

CADD FILE NAME: NOR 81s wp xd serv.dgn

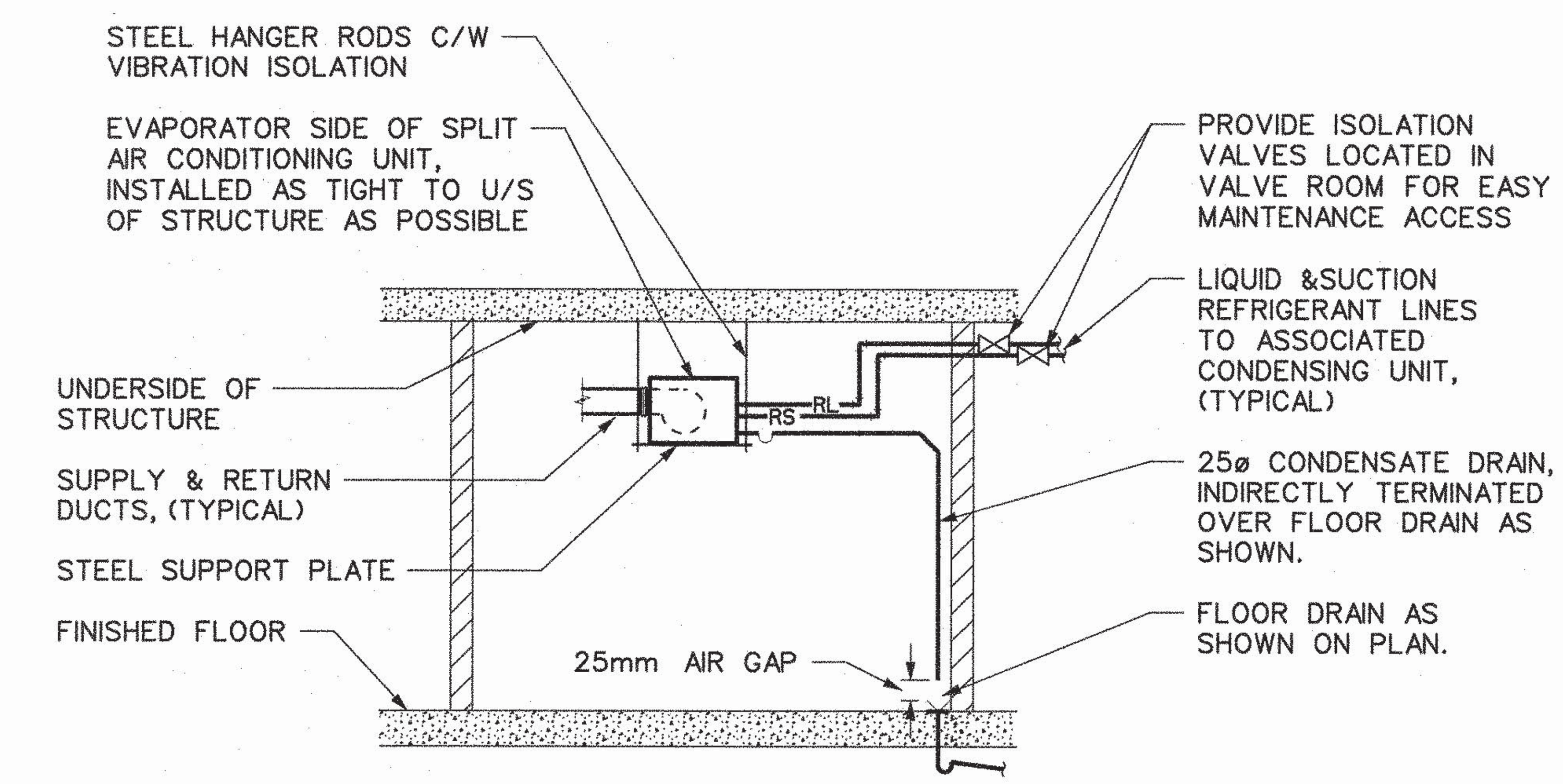
engbord3.dgn (BORDER) MAY 10, 2017

BLDG. REF. No.

FILENAME: NOR_81s_wp_xd_serv.dgn

SHEET No. 029

DRAWING No. SH35-8-M120




NOTES:

1) REFRIGERANT LINE SIZES AS PER MANUFACTURER'S RECOMMENDATIONS.

2) ALL REFRIGERATION VALVING, FITTINGS, PIPING & ACCESSORIES TO BE INSTALLED AS PER MANUFACTURES' RECOMMENDATIONS.

DETAIL 1 / M120

TYPICAL AIR CONDITIONING UNIT PIPING DETAIL

| REVISIONS | REVISIONS |
|---|---|
| △ | △ |
| △ | △ |
| △ | △ |

ISSUED FOR CONSTRUCTION

NORR
ARCHITECTS ENGINEERS PLANNERS
NORR Limited
An Ingenium Group Company
175 Bloor St.East
North Tower,15th Floor
Toronto,ON,Canada M4W 3R8
www.norr.com

REGISTERED PROFESSIONAL ENGINEER
B.P. FARKAS
17/07/19
PROVINCE OF ONTARIO

| | | YYYY/MM/DD |
|---|---|---|
| DRAWN | K. YU | 2017/11/13 |
| CHECKED | S. MURRAY | 2018/06/27 |
| CORRECT | B. FARKAS | 2018/06/28 |
| SCALE | N.T.S. | |

SHEPPARD STATION

STATION MANAGERS OFFICE AND ZONE HUB

MECHANICAL SERVICES
PIPING DETAILS

Contract: SH35-8

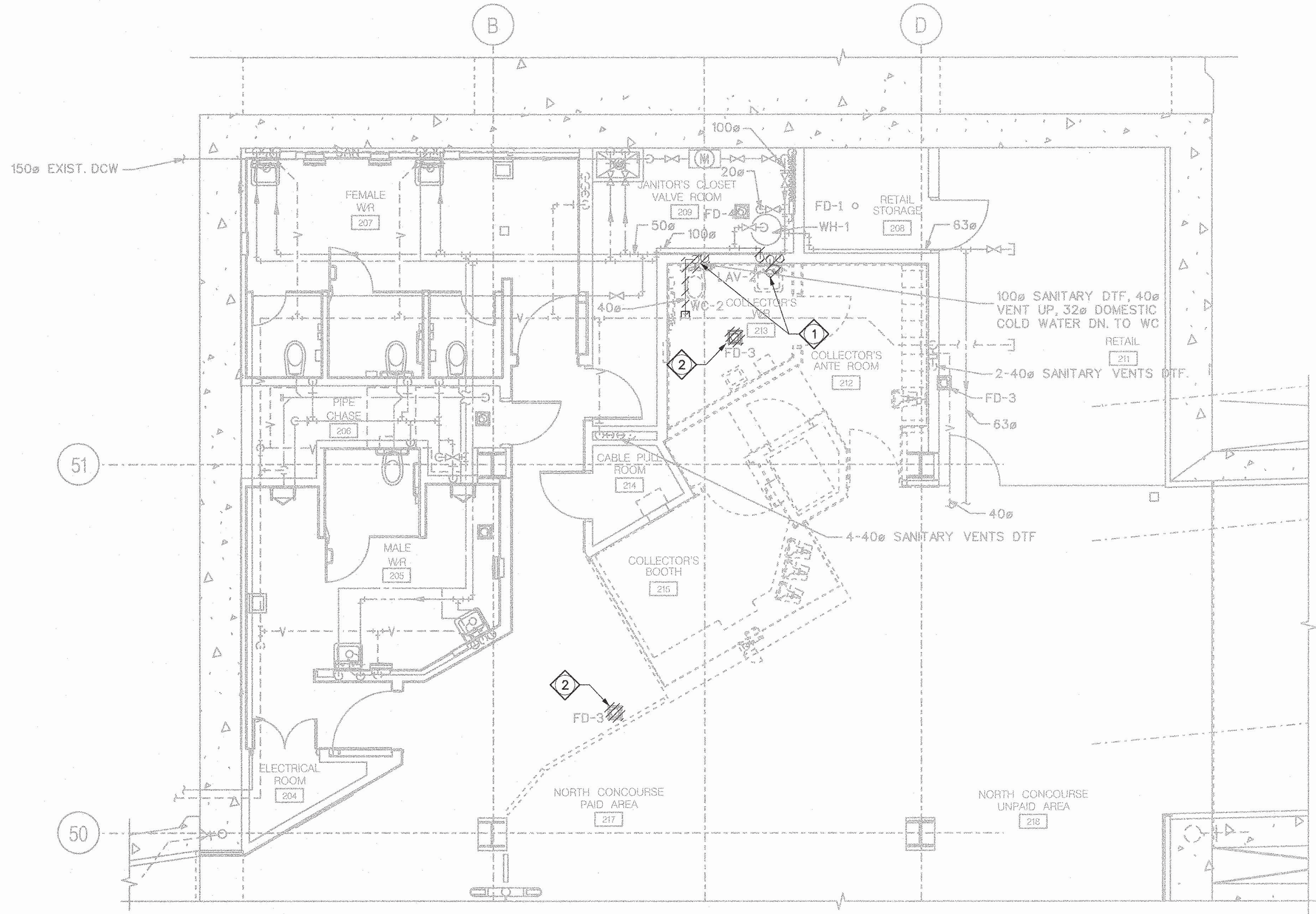
TORONTO TRANSIT COMMISSION
ENGINEERING DEPARTMENT

| Dwg. No. | Rev. No. | Sheet No. |
|---|---|---|
| SH35-8-M120 | | 029 |

Plot Date: 16-JUL-2019

CADD FILE NAME: NOR 81s dp demo pln con.dgn

engbord3.dgn (BORDER) MAY 10, 2017




## KEY NOTES:

1. DISCONNECT AND DEMOLISH EXISTING LAV-2 AND WC-2, DISCONNECT AND CAP EXISTING SANITARY, VENT, DOMESTIC COLD AND HOT WATER LINES.
2. DISCONNECT FLOOR DRAIN AND CAP PIPE.

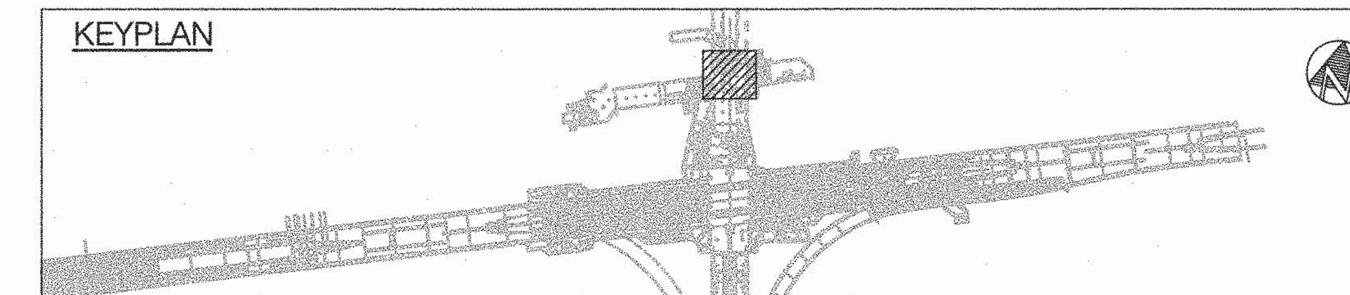
## GENERAL NOTE:

1. PRIOR TO DISCONNECTING ANY DOMESTIC WATER, ENSURE THAT EXISTING SHUT OFF VALVE(S) ARE IDENTIFIED & IN GOOD WORKING CONDITION, IF NOT, INFORM T.T.C.

## PARTIAL PLAN

CONCOURSE LEVEL PLUMBING AND DRAINAGE DEMOLITION 1 M003

KEYPLAN



BLDG. REF. No.

FILENAME: NOR_81s_dp_demo_pln_con.dgn

SHEET No. 031

DRAWING No. SH35-8-M201

| REVISIONS | REVISIONS |
|---|---|
| | |
| | |
| | |

ISSUED FOR CONSTRUCTION

NORR
ARCHITECTS ENGINEERS PLANNERS
NORR Limited
An Ingenium Group Company
175 Bloor St. East
North Tower, 15th Floor
Toronto, ON, Canada M4W 3R8
www.norr.com

REGISTERED PROFESSIONAL ENGINEER
B.P. FARKAS
17/07/19
PROVINCE OF ONTARIO

| | | YYYY/MM/DD |
|---|---|---|
| DRAWN | K. YU | 2017/09/26 |
| CHECKED | S. MURRAY | 2018/06/27 |
| CORRECT | B. FARKAS | 2018/06/28 |

SCALE 0 1 2m

SHEPPARD STATION

STATION MANAGERS OFFICE AND ZONE HUB

DRAINAGE PIPING – DEMOLITION & REMOVAL CONCOURSE LEVEL FLOOR PLAN

Contract: SH35-8

TORONTO TRANSIT COMMISSION
ENGINEERING DEPARTMENT

| Dwg. No. | Rev. No. | Sheet No. |
|---|---|---|
| SH35-8-M201 | | 031 |

Plot Date: 16-JUL-2019