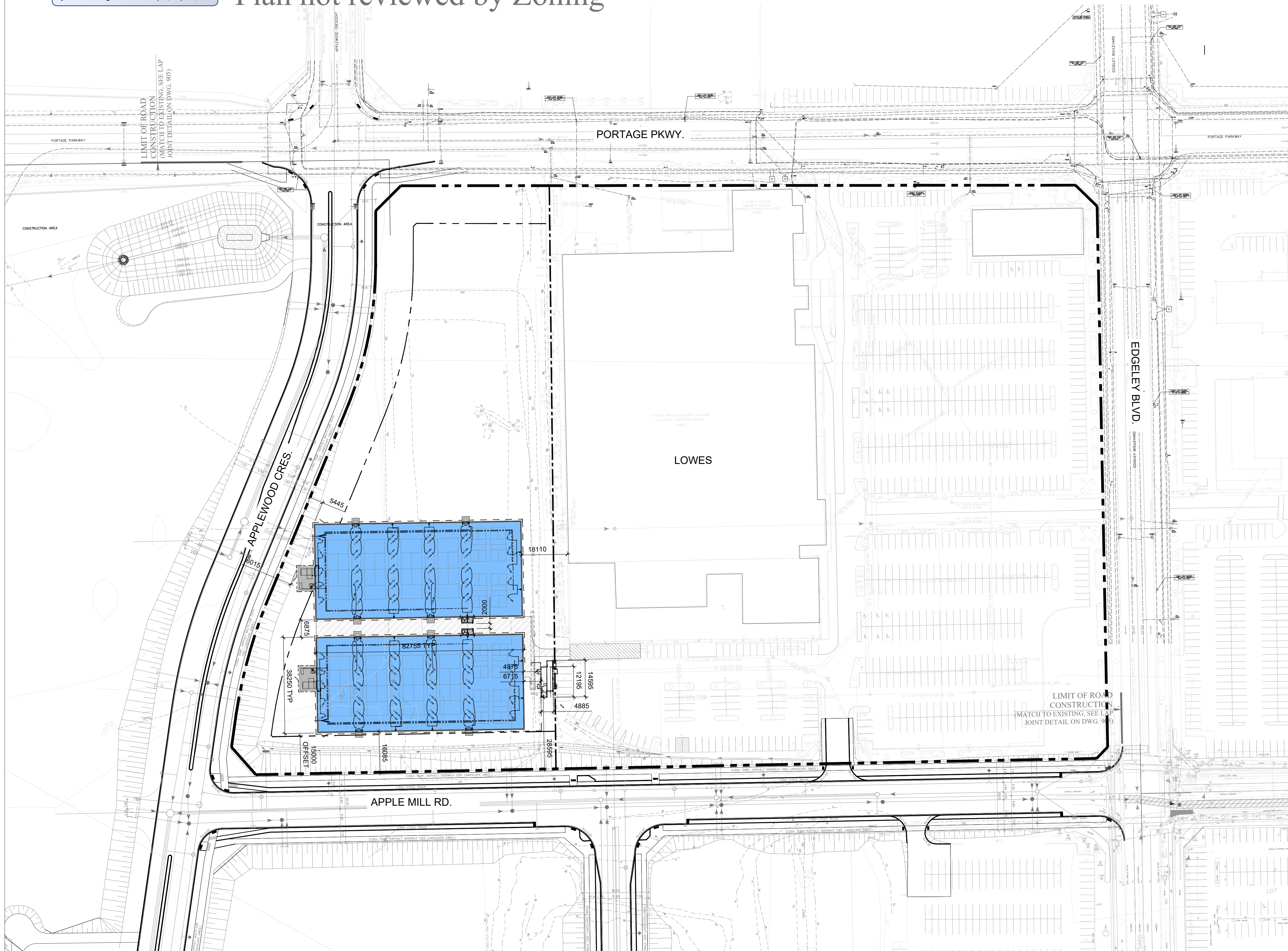


RECEIVED
By Christine Vigneault at 4:47 pm, Sep 11, 2024

Plan not reviewed by Zoning




LEGEND

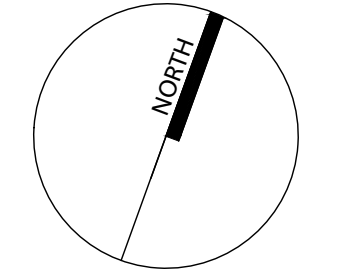
GENERAL NOTES

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9. Contractor to make good any and all damages outside of the development area that may occur as a result of construction at no extra cost.
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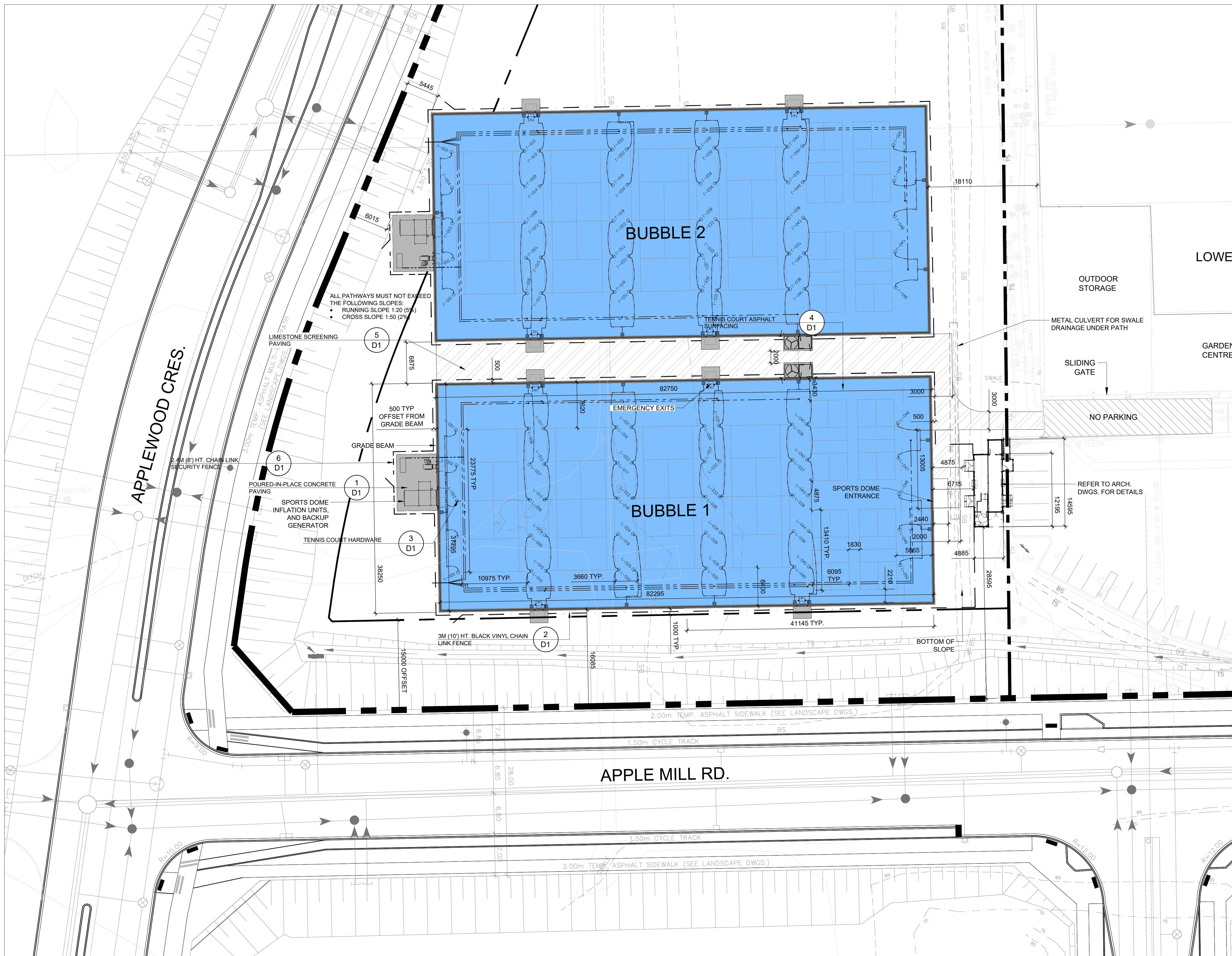
REVISION NO.	DATE	ISSUED / REVISION	BY
7.	2024.09.11	ISSUED FOR REVIEW	RF
6.	2024.06.24	ISSUED FOR REVIEW	RF
5.	2024.06.06	ISSUED FOR REVIEW	RF
4.	2024.04.19	ISSUED FOR REVIEW	RF
3.	2024.03.27	ISSUED FOR REVIEW	MB
2.	2024.03.11	ISSUED FOR REVIEW	RF
1.	2024.03.01	ISSUED FOR REVIEW	RF


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STAMP	DATE	MARCH 2024
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	PLAN SCALE	1:300
FILE NO.	1257EG	
CHECKED BY	GC	
OTHER		

PROJECT	
VMC TENNIS COURTS APPLE MILL RD. & APPLEWOOD CRES. VAUGHAN, ON	

DWG NAME	DWG NO.
CONTEXT PLAN	L0



LEGEND

- PROPERTY LINE
- DEVELOPMENT LIMIT
- CONCRETE PAVING
- LIMESTONE SCREENING PATHWAY
- TENNIS COURT PAVING
- CHAIN LINK FENCE 3m HT.
- CHAIN LINK FENCE 2.5m HT.
- CONCRETE CURB
- TENNIS COURT SIGN
- CULVERT
- STEEL ANCHOR SLEEVES

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DATE MARCH 2024

DRAWN BY RF

PLAN SCALE

FILE NO. 1257EG

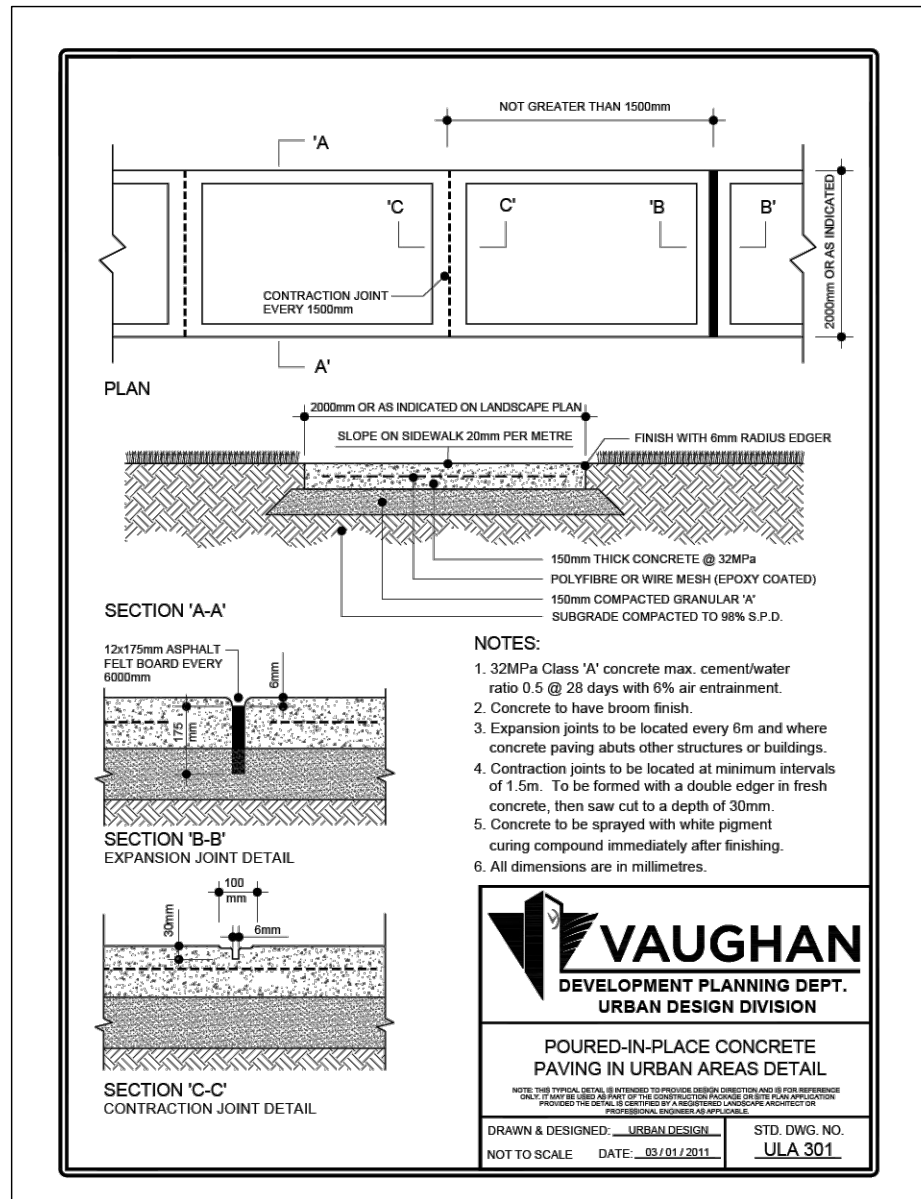
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OTHER

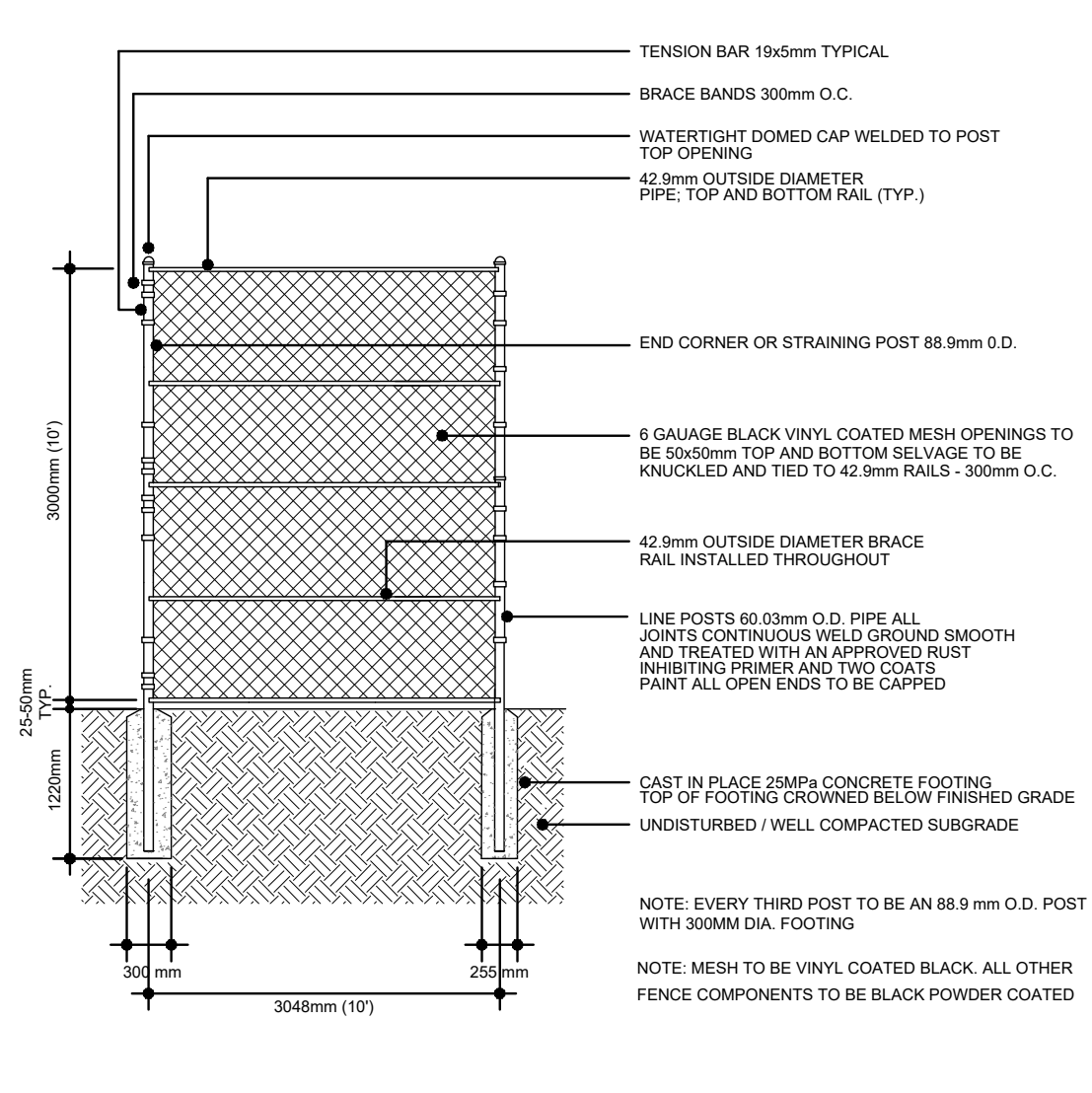
PROJECT

VMC TENNIS COURTS
 APPLE MILL RD. & APPLEWOOD CRES.
 VAUGHAN, ON

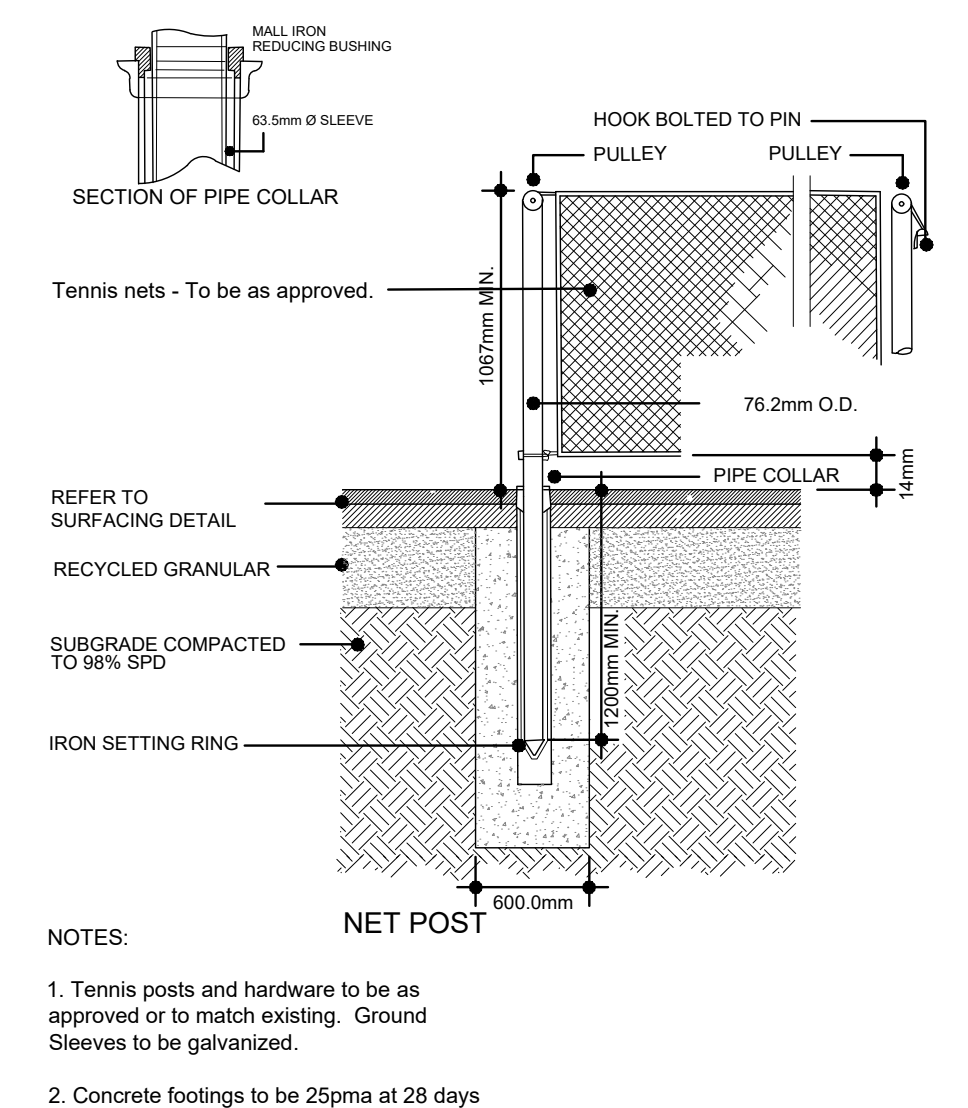
DWG NAME	DWG NO.
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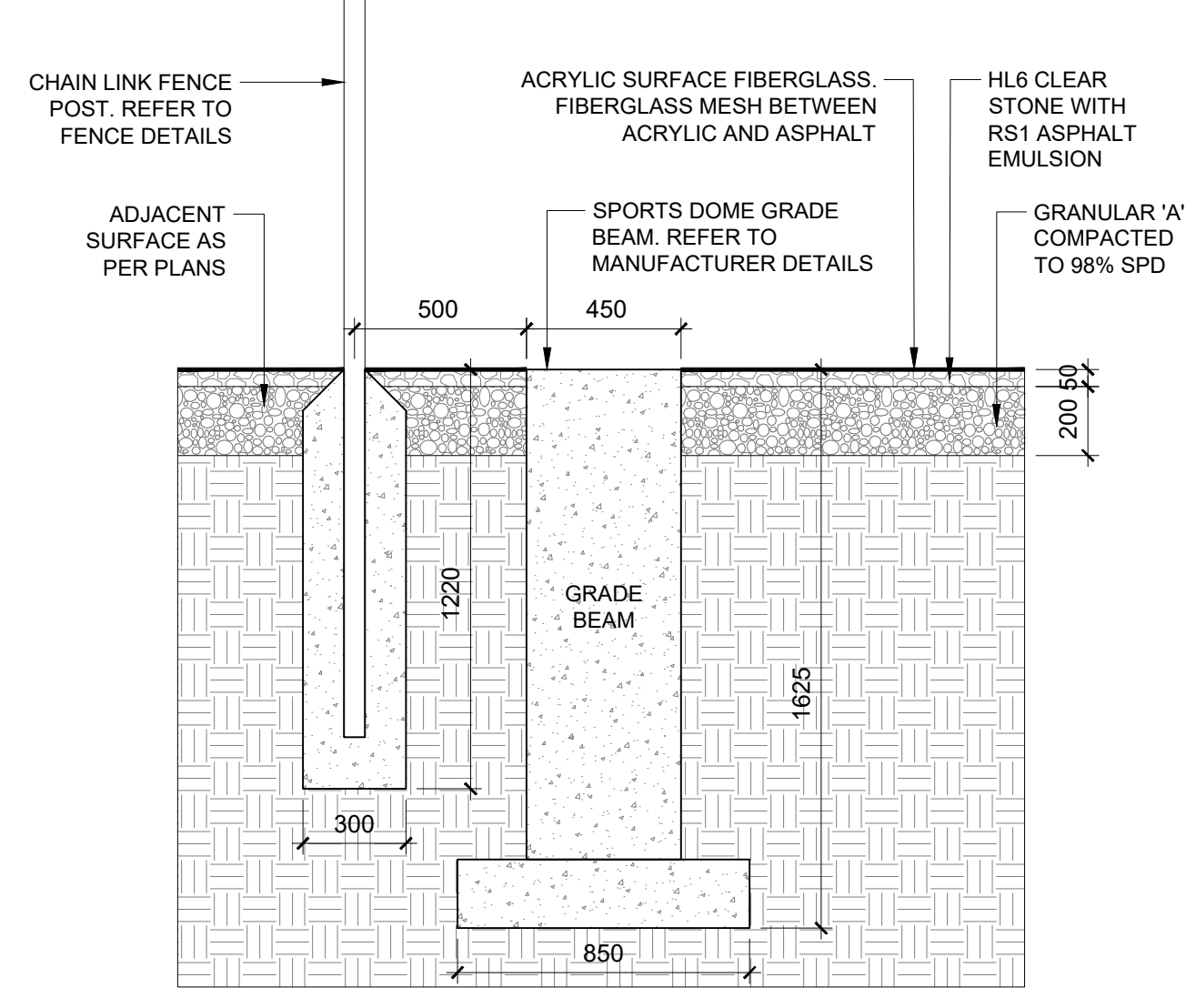
1 D1 POURED-IN-PLACE CONCRETE PAVING



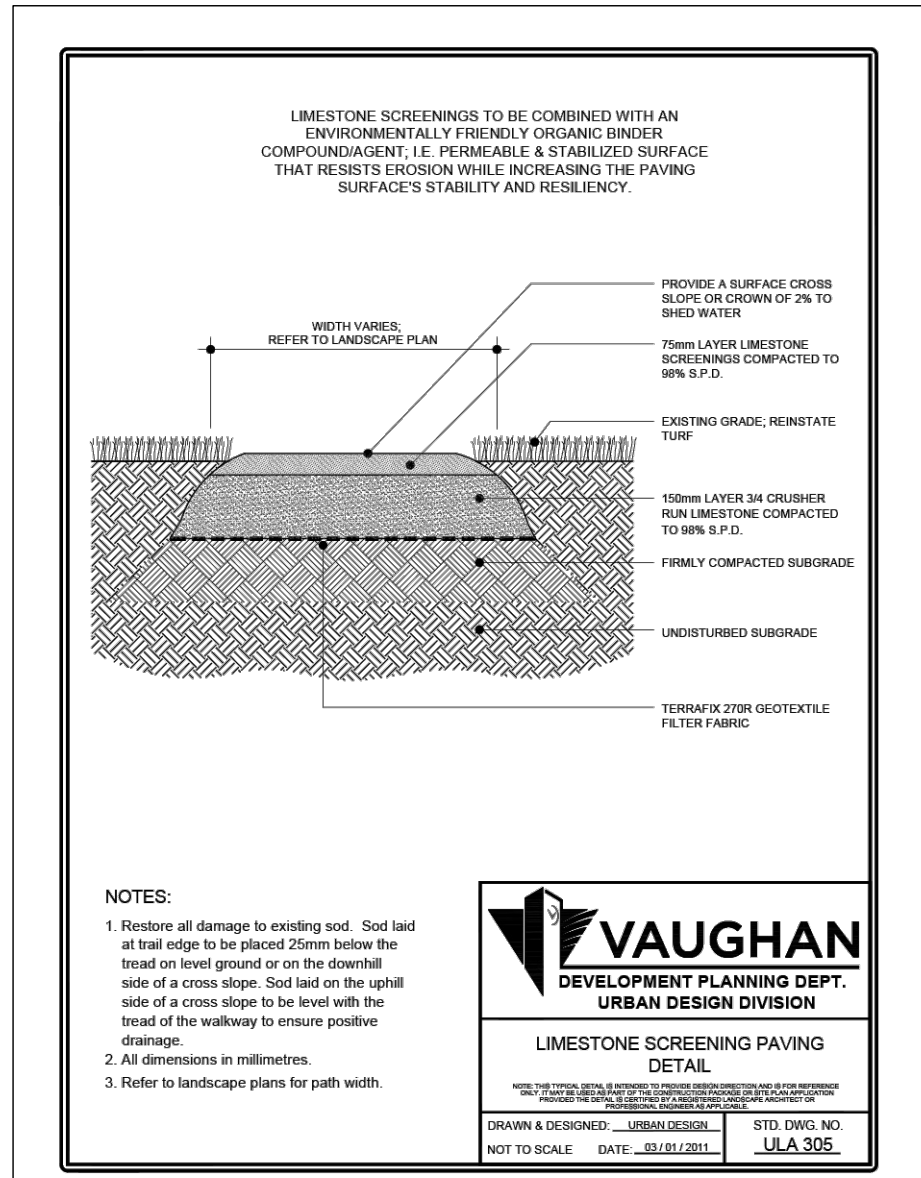
2 D1 3M (10') HT. BLACK VINYL CHAIN LINK FENCE



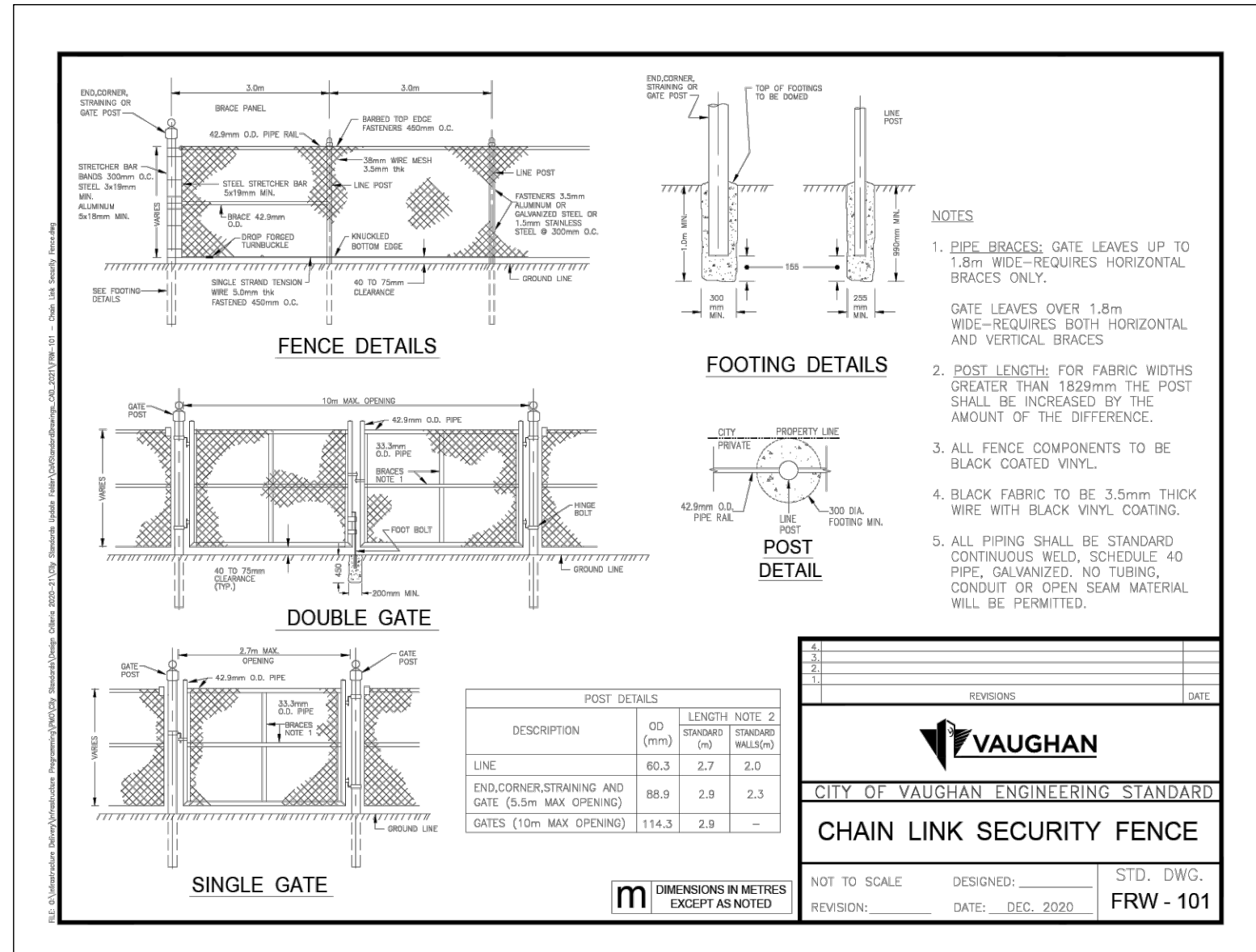
3 D1 TENNIS COURT HARDWARE



4 D1 TENNIS COURT ASPHALT SURFACING



5 D1 LIMESTONE SCREENING PAVING



6 D1 2.4M (8') HT. CHAIN LINK SECURITY FENCE

LEGEND

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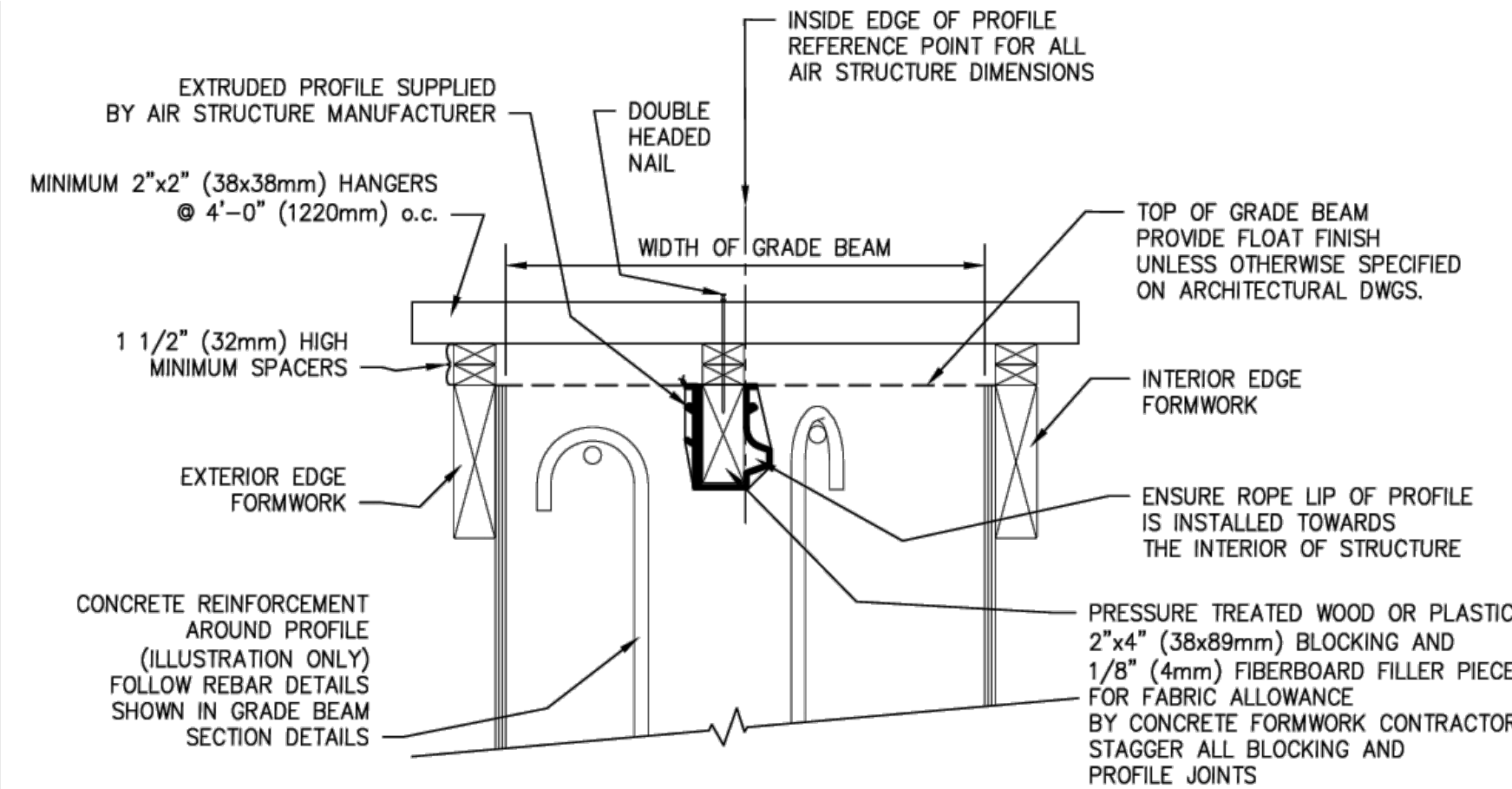
REVISION NO.	DATE	ISSUED / REVISION	BY
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	PLAN SCALE	AS SHOWN
<p>ISSUED FOR SPA ONLY NOT FOR CONSTRUCTION</p>	FILE NO.	1257EG
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OTHER		

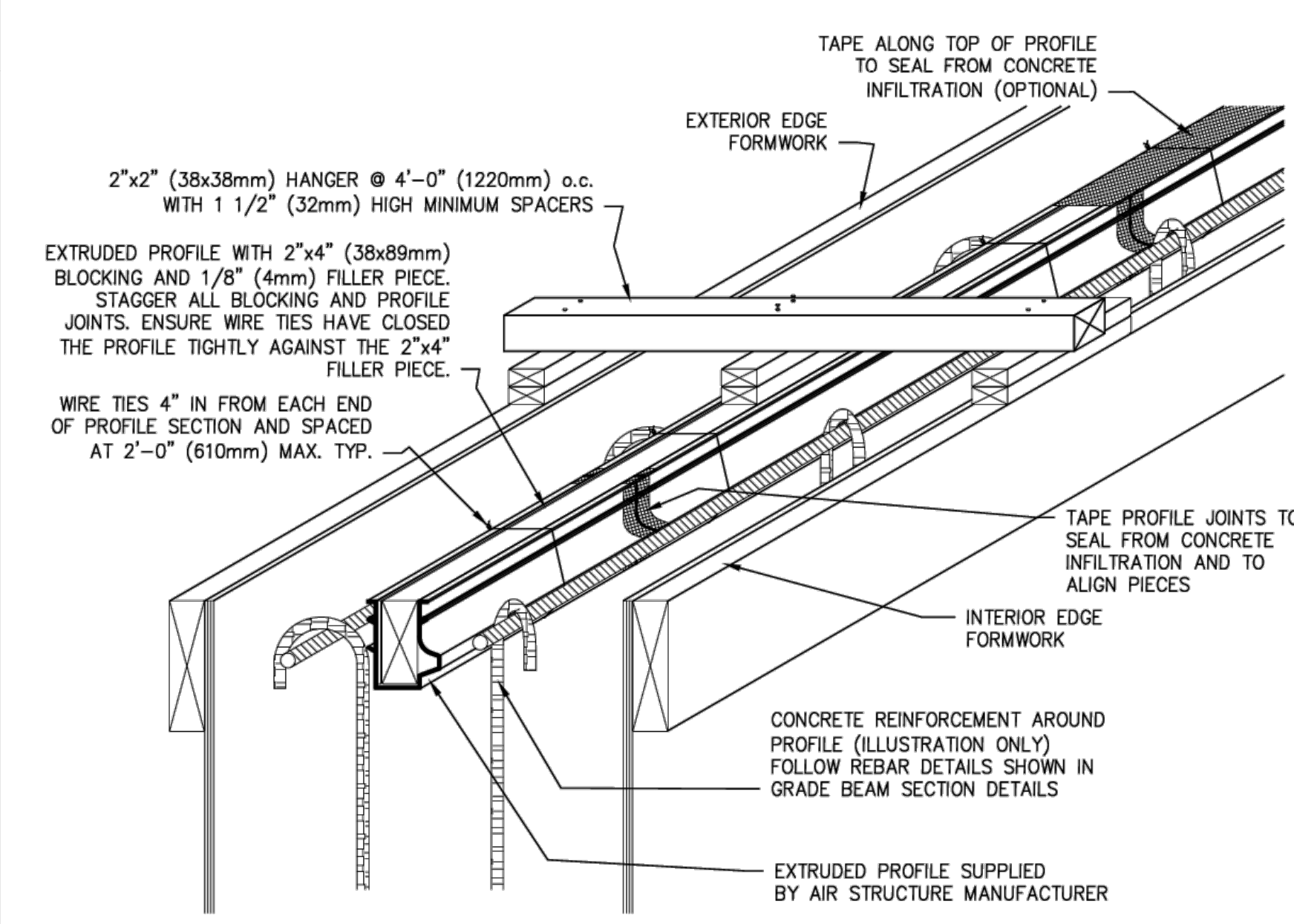
PROJECT
VMC TENNIS COURTS
 APPLE MILL RD. & APPLEWOOD CRES.
 VAUGHAN, ON

DWG NAME	DWG NO.
DETAILS	D1

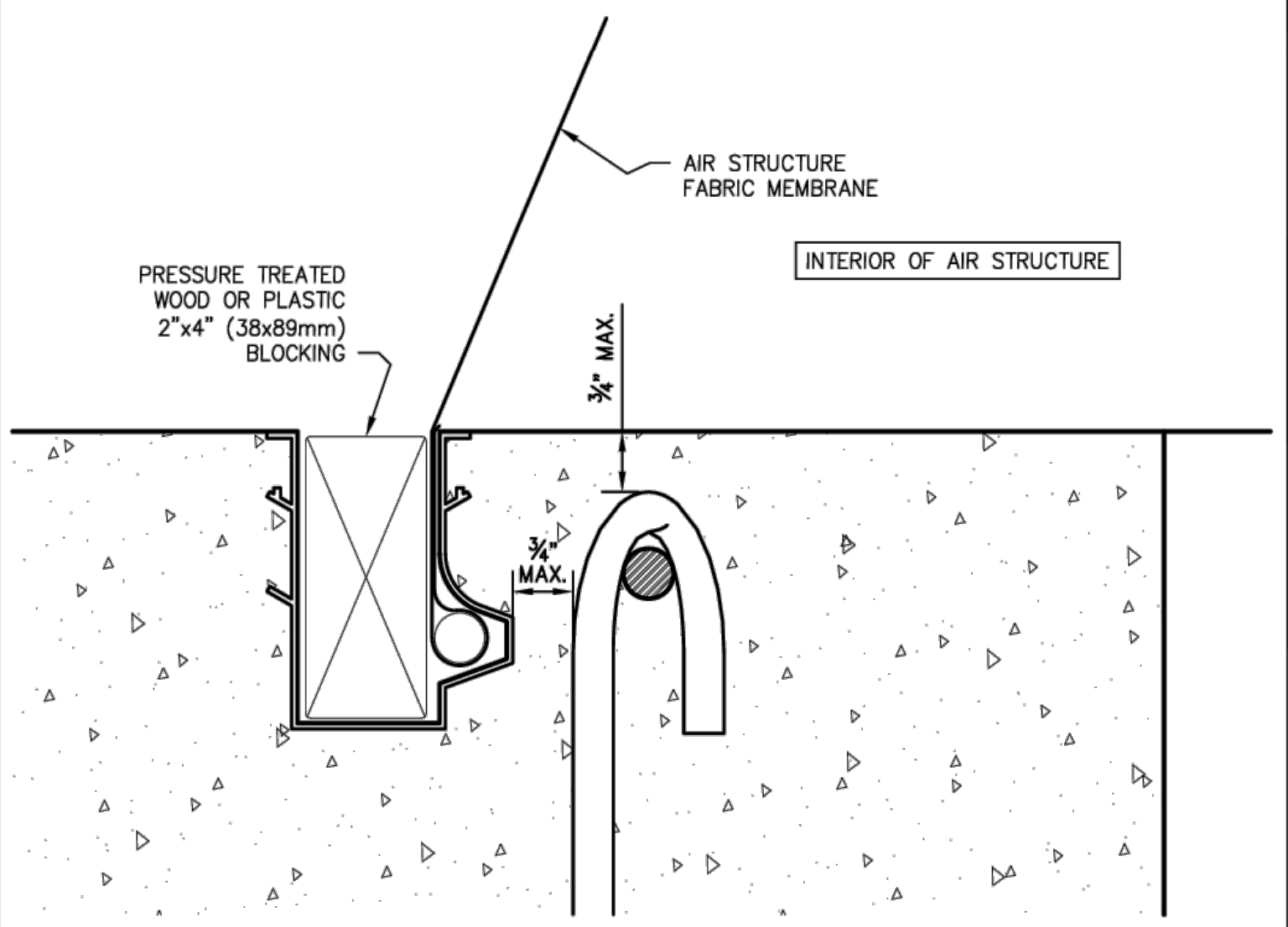


PRESSURE TREATED WOOD OR PLASTIC 2"x4" (38x89mm) BLOCKING USED FOR PROFILE INSTALLATION TO REMAIN FOR AIR STRUCTURE RETENTION BY CONCRETE FORMWORK CONTRACTOR

1 AS3 PROFILE INSTALLATION DETAIL (TYPE 'A') NOT TO SCALE



2 AS3 TYPICAL FORMING DETAIL FOR GRADE BEAM NOT TO SCALE



3 AS5 DETAIL OF REINFORCEMENT PLACEMENT AT PROFILE NOT TO SCALE

GRADE BEAM INSTALLATION:

NOTE: THIS GUIDE IS PREPARED TO ASSIST THOSE WITH LEGITIMATE CONSTRUCTION EXPERIENCE. IT IS NOT A TOTALLY COMPREHENSIVE INSTRUCTION MANUAL FOR THOSE UNFAMILIAR WITH STANDARD CONSTRUCTION INDUSTRY PRACTICES.

PART 1. BEAM CAST USING FORMWORK:

IN LOOSE OR UNSTABLE SOILS A TRENCH WILL HAVE TO BE EXCAVATED WITH 45° SIDE SLOPES. THE BEAM CAN THEN BE FORMED AND POURED. AFTER A MINIMUM OF 24 HOURS THE FORMWORK CAN BE REMOVED AND BACKFILL INSTALLED. NOTE THAT WHEN BACKFILLING, PLACE EXCAVATED MATERIAL EQUALLY ON BOTH SIDES OF THE BEAM. BACKFILL IN 8" (200mm) LIFTS (LAYERS) AND COMPACT THOROUGHLY BEFORE INSTALLING SECOND LIFT.

WHERE POSSIBLE, FORMWORK SHOULD BE INSTALLED IN SUCH A MANNER TO ALLOW SOME CONCRETE TO FLOW UNDERNEATH FORM BOARDS DURING THE POURING PROCESS TO INCREASE SOIL RESISTANCE.

NOTE: ANY GRADE BEAM INSTALLATION SHOULD BE UNDERTAKEN ONLY BY EXPERIENCED CONTRACTORS. THE FARLEY GROUP WILL NOT BE HELD RESPONSIBLE FOR ERRORS MADE BY INDIVIDUALS, OR GROUPS UNFAMILIAR WITH STANDARD CONSTRUCTION MATERIALS OR METHODS.

PART 2. REINFORCING STEEL:

THE GRADE BEAM IS USED AS BALLAST TO PREVENT UPLIFT OF YOUR AIR STRUCTURE. THE REINFORCING STEEL REQUIREMENTS ARE MINIMUM BUT REQUIRE ACCURATE INSTALLATION NONE THE LESS.

THE USUAL SIZE OF HORIZONTAL REBAR IS 15M (#5). VERTICAL REBAR IS TYPICALLY 10M (#4). PLACING TYPICALLY WILL BE AS SHOWN ON DRAWINGS. STIRRUPS SHOULD BE BENT AS SHOWN WITH THE INSIDE HOOK (I.E. INTERIOR OF STRUCTURE) BEING WITHIN 1" (25mm) OF THE RETENTION PROFILE AND 2" (50mm) FROM TOP OF CONCRETE. WITH ONE HORIZONTAL BAR RUNNING THROUGH THIS HOOK, THE RETENTION CAPACITY OF THE PROFILE IS IMPROVED.

NOTE: KEEP REINFORCING STEEL 2" (50mm) AWAY FROM OUTSIDE OF CONCRETE.

PART 3. RETENTION PROFILE:

THERE ARE TWO METHODS FOR INSTALLING THE RETENTION PROFILE. THE METHOD TO BE USED FOR THIS PROJECT IS SHOWN IN DETAIL 1/AS3.

METHOD 'A' IS A FLUSH PROFILE (DETAIL 1/AS3) GIVING ONLY 2" (50mm) OF TOP EXPOSED WHEN THE STRUCTURE IS DOWN. THIS METHOD IS SUITABLE FOR SMALLER STRUCTURES UP TO 118' (36m) WIDE AND HARD SURFACE COURTS.

METHOD 'B' IS A RECESSED PROFILE (NOT SHOWN). ADVANTAGES OF THE RECESSED PROFILE INCLUDE INCREASED RETENTION FOR LARGER STRUCTURES AND CONDENSATION DRAINAGE CHANNEL ESPECIALLY GOOD IN CLAY COURT TENNIS STRUCTURES.

BOTH INSTALLATION METHOD PROCEDURES ARE BASICALLY THE SAME.

NOTE: MAKE SURE THE ROPE EDGE POCKET ON THE SIDE OF THE PROFILE FACES INTO THE STRUCTURE (DETAIL 1/AS3).

AS THE PROFILE IS MANUFACTURED IN 10' (3m) LENGTHS, 10' (3m) PIECES OF PRESSURE TREATED 2 X 4 STAGGERED ON PROFILE SECTIONS WORKS WELL FOR INSTALLATION.

SECTIONS OF PROFILE PACKED WITH PRESSURE TREATED 2 X 4 AND 1/8" (3mm) MASONITE PACKING ARE WIRED UP TO SPREADERS AT 4' (1220mm) o.c. THE SPREADERS SPAN THE GAP AND HOLD THE TOP EDGE FORMS THE CORRECT DISTANCE APART (DETAIL 2/AS3).

ON METHOD 'A' PROFILE INSTALLATIONS, A STRIP OF DUCT TAPE ALONG THE TOP WILL KEEP CONCRETE OUT AND EASE REMOVAL OF 2 X 4 LATER (DETAIL 2/AS3).

USING FLEXIBLE TE-WIRE, CLOSE THE PROFILE TIGHTLY AGAINST THE PACKING AND HANG FROM THE SPREADERS. 1 1/2" (40mm) PACKING BETWEEN SPREADERS AND SIDE FORMS WILL EASE FINISHING OR, ALTERNATIVELY, SPREADERS CAN BE REMOVED WHEN CONCRETE HAS REACHED INITIAL SET TO SPEED FINISHING.

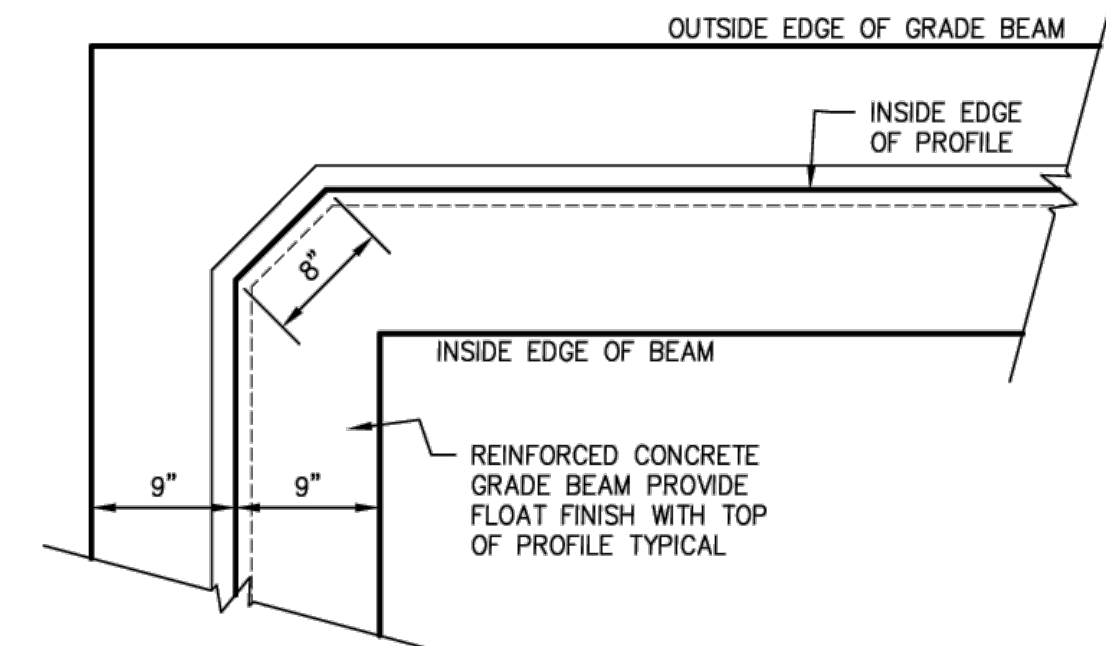
N.B.: REMOVE PACKING THE DAY AFTER POUR AS MOISTURE WILL SWELL LUMBER, MAKING REMOVAL DIFFICULT.

WITH THE 'B' METHOD, TWO PRESSURE TREATED 2 X 4'S WILL BE REQUIRED IN ADDITION TO THE 1/8" X 3 1/2" (3mm X 89mm) FIBREBOARD (MASONITE) PACKING. ALL OTHER INSTRUCTIONS ARE SIMILAR.

GENERAL DETAIL -- ON EACH CORNER OF THE STRUCTURE WILL BE A 45° ANGLE WHICH EASES INSTALLATION AND RELIEVES FABRIC STRESS (DETAIL 4/AS3). LAY A SHORT PIECE OF PROFILE ACROSS THE CORNER AS SHOWN AND CUT THROUGH INTERSECTIONS WITH A HAND SAW TO HAVE PERFECTLY MATCHING JOINTS.

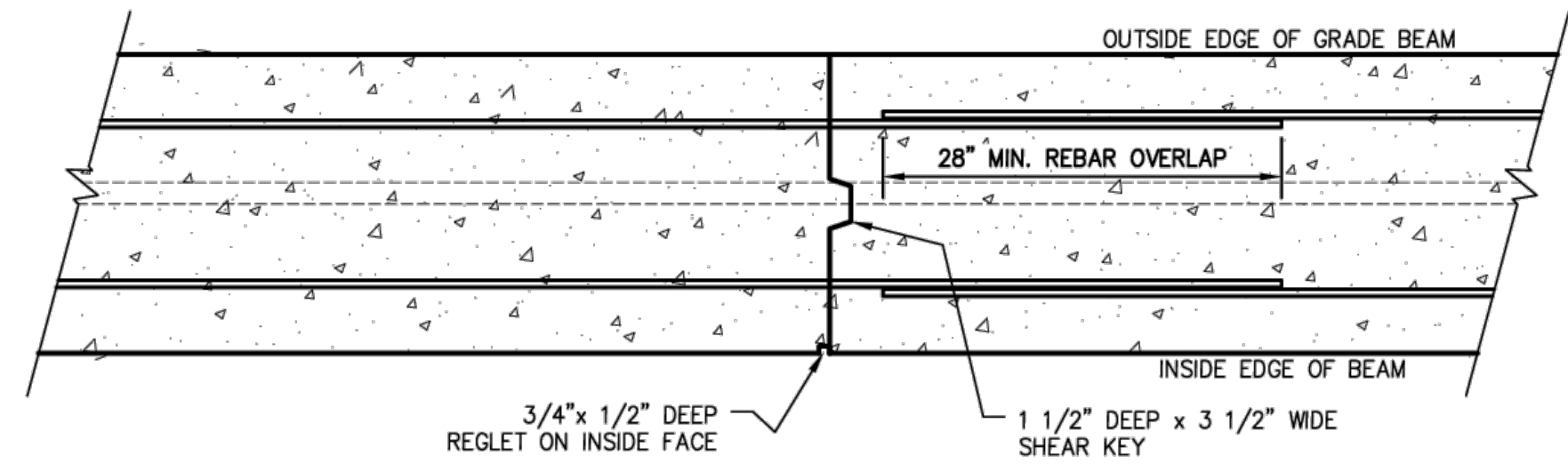
PART 4. AIR STRUCTURE DRAINAGE:

DRAINAGE (WHERE APPLICABLE) -- TO FACILITATE DRAINAGE FROM YOUR PROFILE, ESPECIALLY IN SITUATIONS WHERE TOP OF BEAM IS ABOVE EXTERIOR GRADE, WE RECOMMEND INSTALLING MIN. 1 1/2" WIDE DRAIN CHANNELS AT EVERY CORNER AND SIMILAR DRAIN CHANNELS SHOULD BE INSTALLED AROUND THE ENTIRE PERIMETER OF THE BEAM AT A SPACING OF 50'-0" MAXIMUM AND EACH SIDE OF DOOR AND MECHANICAL CONCRETE PADS. ENSURE THAT THE PLACEMENT OF PERIMETER DRAINS DOES NOT INTERFERE WITH PADS OR OTHER ELEMENTS SUCH AS CAST-IN CABLE ANCHORS. PROVIDE A MINIMUM DISTANCE OF 3'-0" FROM ANY INTERFERING ELEMENTS.

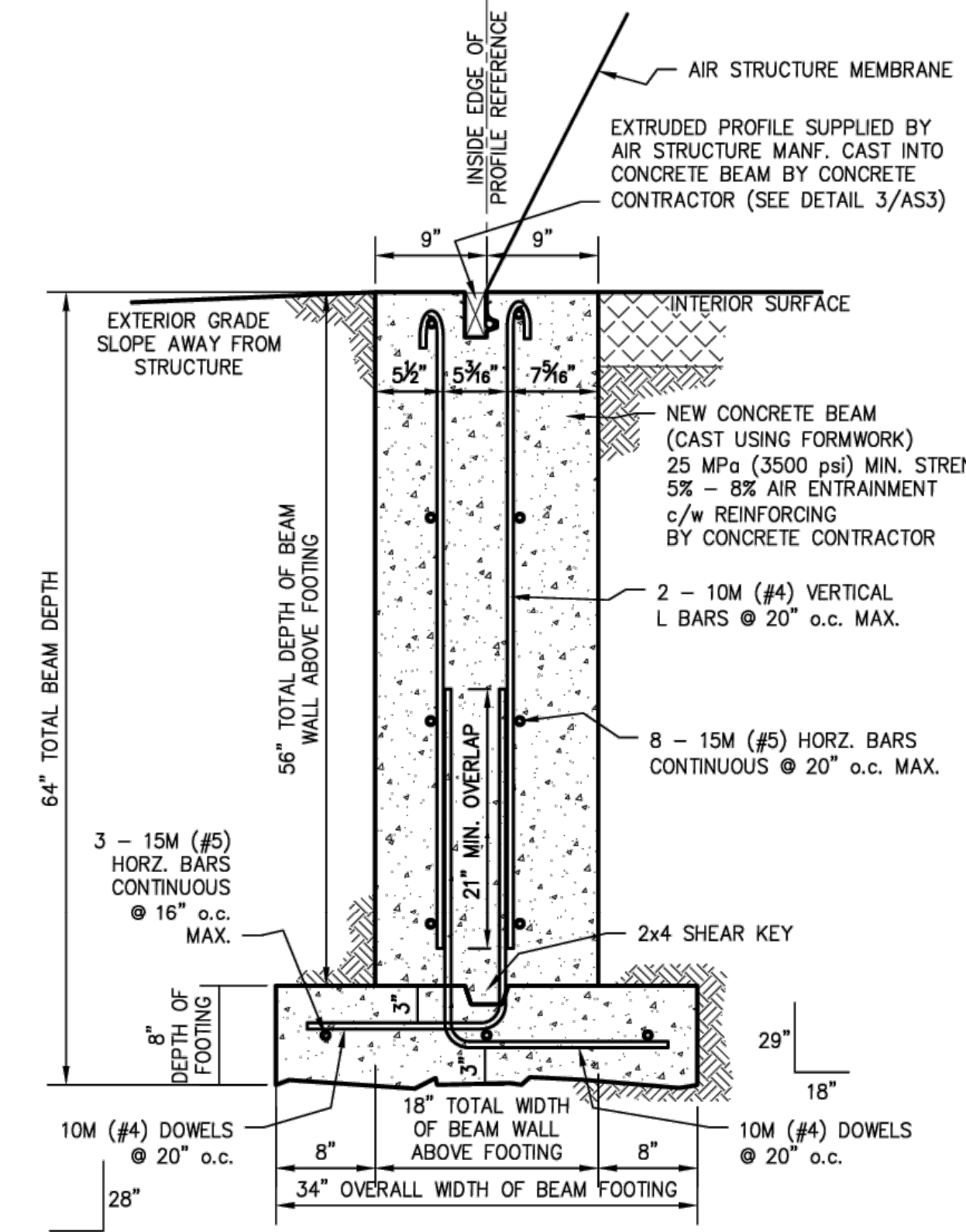


4 AS3 TYPICAL BEAM CORNER DETAIL SCALE 1" = 1'-0"

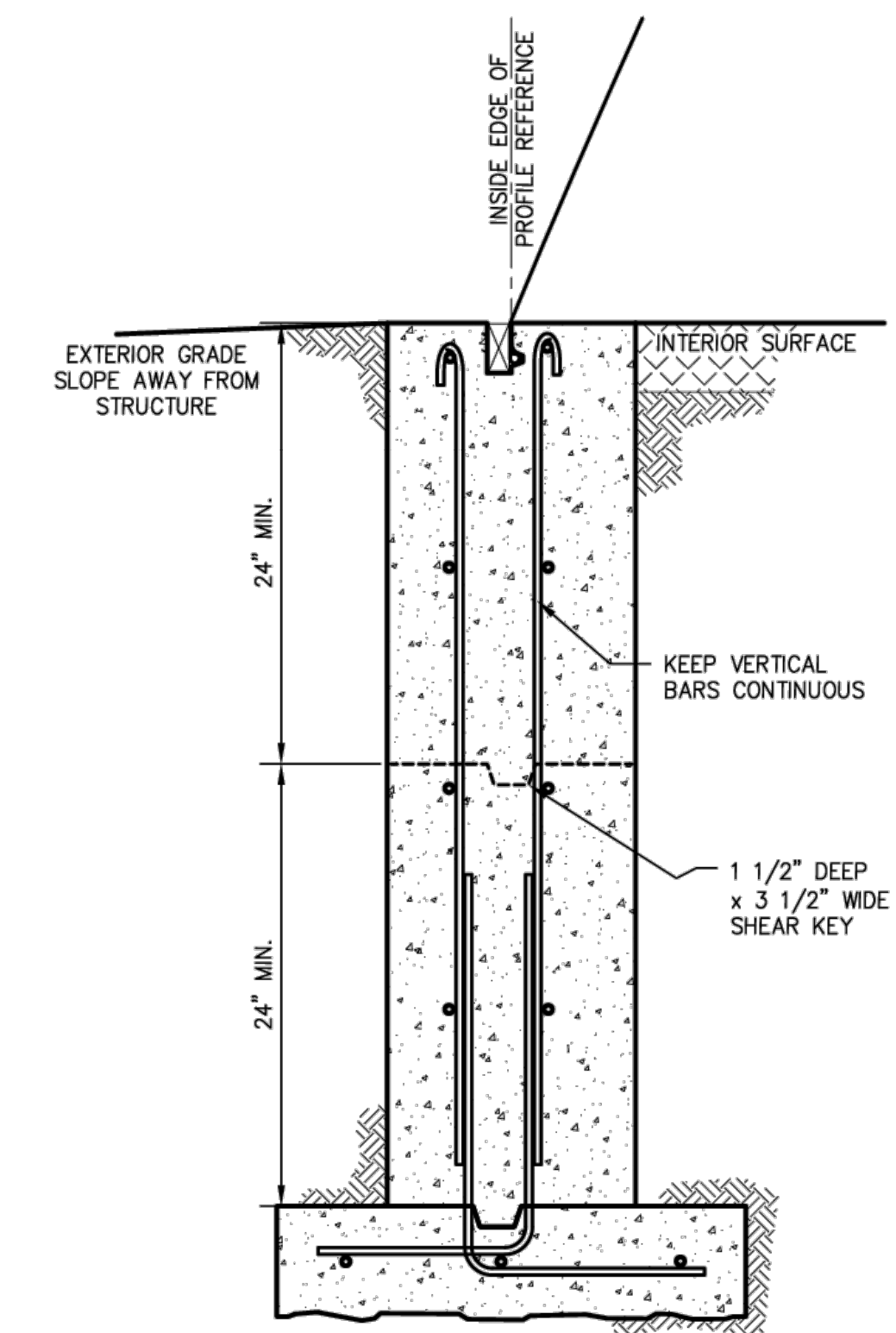
VERTICAL CONSTRUCTION JOINTS NOT TO OCCUR WITHIN:
 - 3'-0" MIN. OF A PERIMETER CONCRETE PAD EDGE
 - 8'-0" MIN. FROM A BEAM CORNER
 - 8'-0" MIN. FROM AN UNDERGROUND VAULT
 - 5'-0" MIN. FROM A CAST-IN CABLE ANCHOR



5 AS3 TYP. GRADE BEAM VERTICAL CONSTRUCTION JOINT NOT TO SCALE



6 AS3 TYPICAL GRADE BEAM SECTION SCALE 1" = 1'-0"



7 AS3 TYP. GRADE BEAM HORIZONTAL CONSTRUCTION JOINT NOT TO SCALE

NO.	DATE: (DD/MM/YY)	REVISION:

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 A division of The Farley Group
 6 Kerr Crescent
 Puslinch, ON, Canada N0B 2J0
 Phone: 1-888-445-3223
 Fax: 1-888-445-3043
 Email: man@thefarleygroup.com
Creative Space Solutions

CLIENT: **PIERRE LAMARCHE**

CLIENT ACCEPTANCE SIGNATURE:
 DATE ACCEPTED:

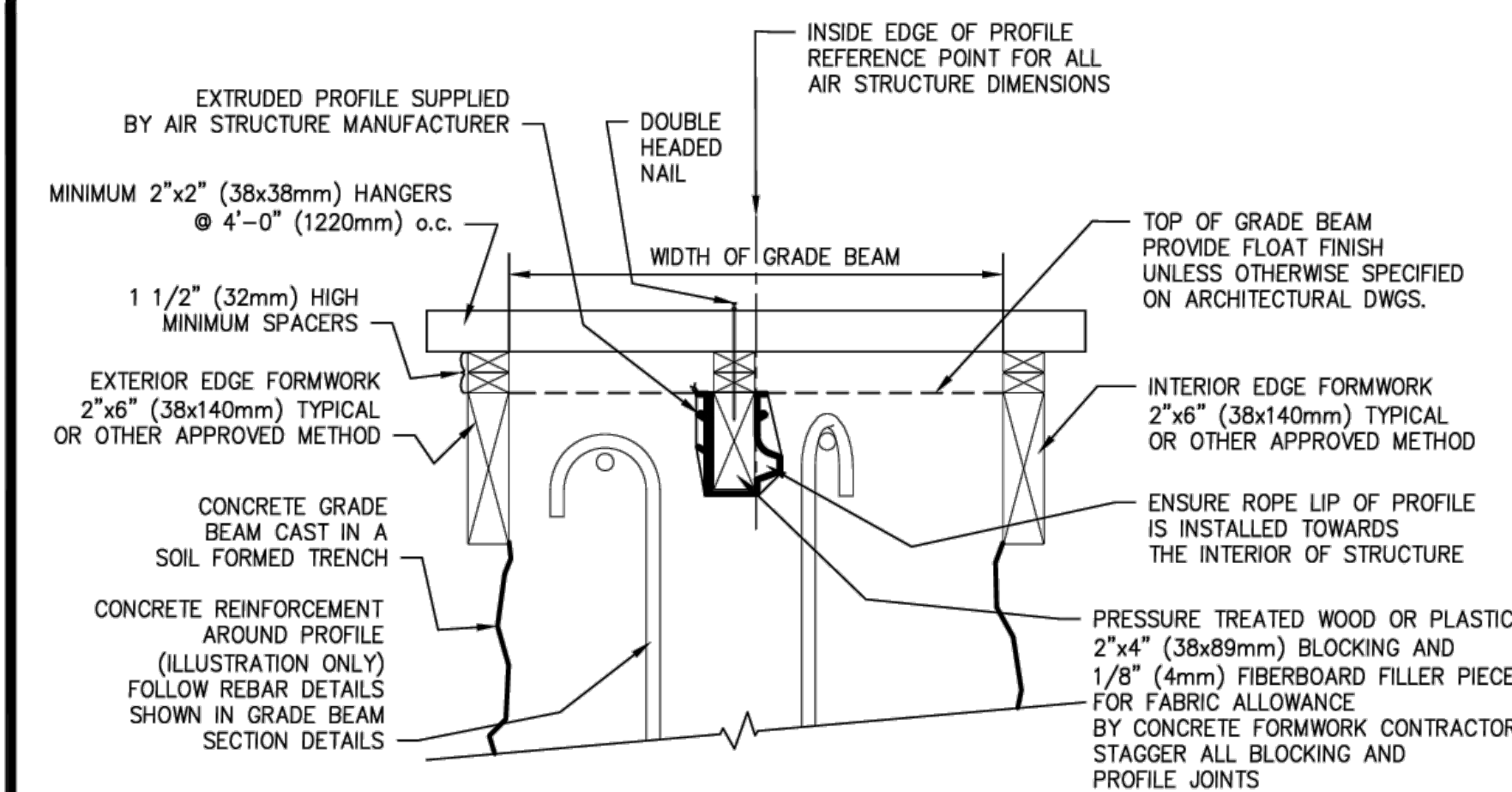
PROJECT: **SEASONAL AIR SUPPORTED STRUCTURE FOR TENNIS (120'-0" x 253'-0" x 36'-0")**

LOCATION: **VAUGHAN, ON**

DRAWING: **GRADE BEAM DETAILS (CAST USING FORMWORK)**

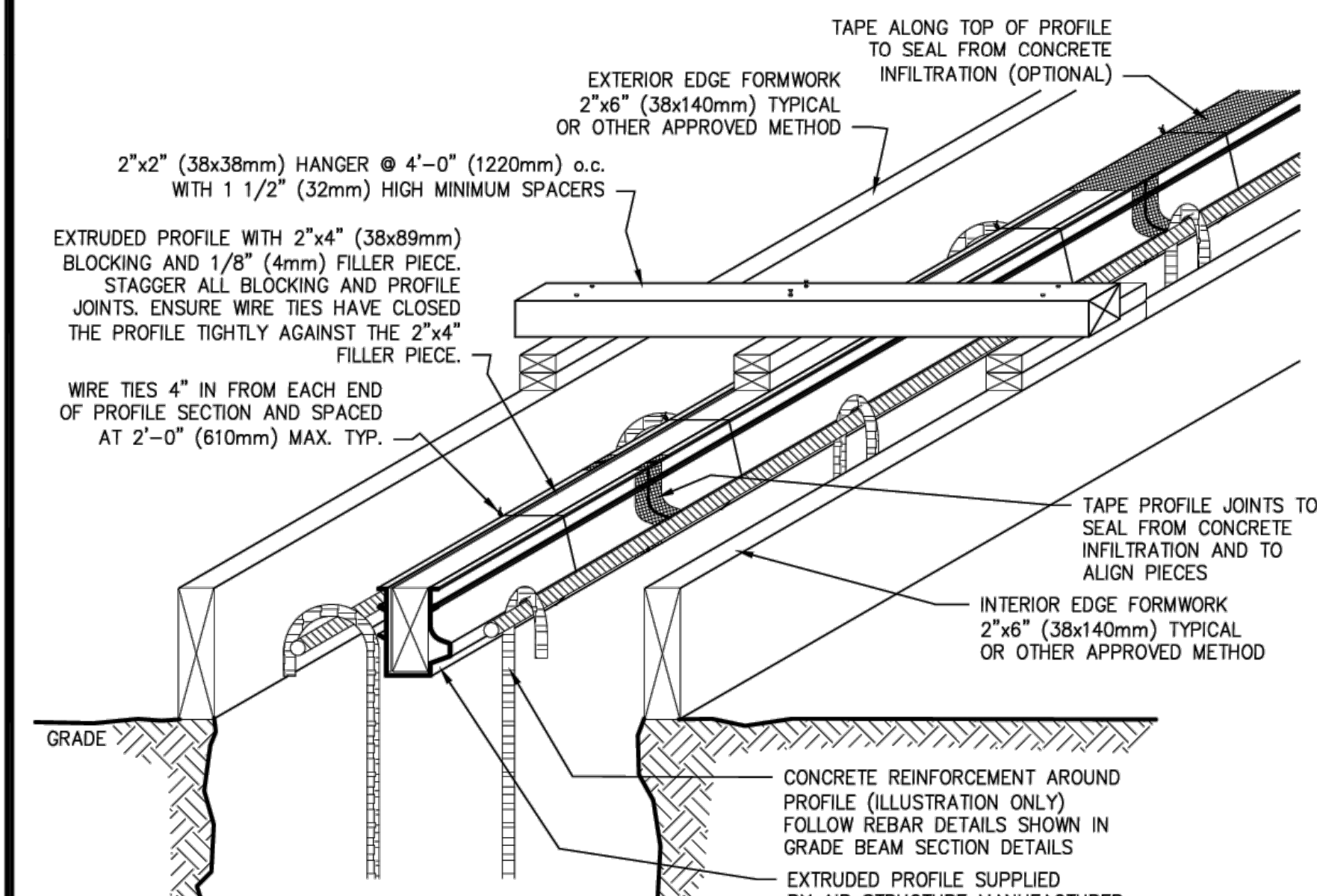
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REVIEWED BY:	DATE: NOV. 21, 2023
SCALE: AS SHOWN	PLAN NORTH:
PROJ. #:	DRAWING #:

AS3

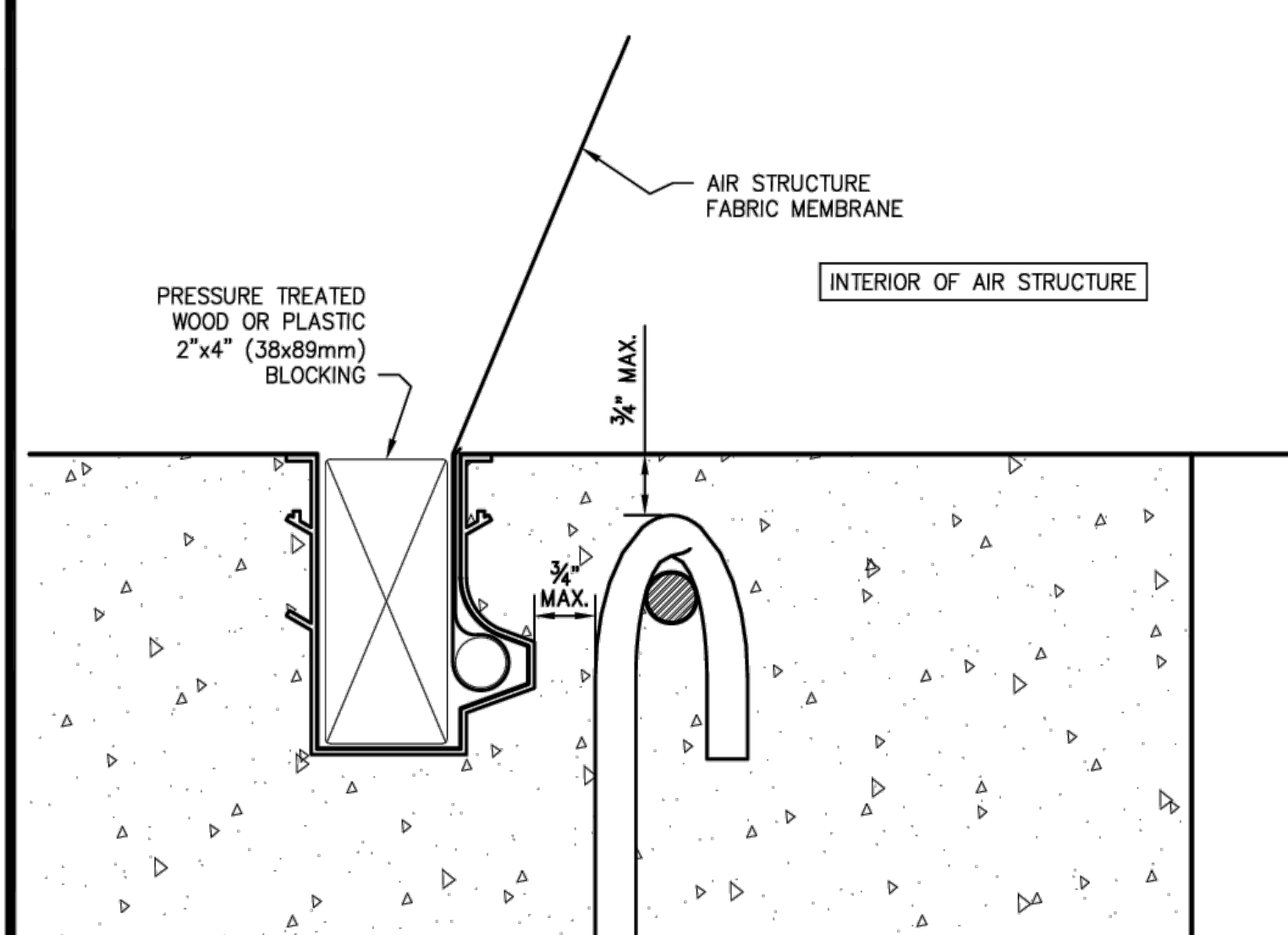


PRESSURE TREATED WOOD OR PLASTIC 2"x4" (38x89mm) BLOCKING USED FOR PROFILE INSTALLATION TO REMAIN FOR AIR STRUCTURE RETENTION BY CONCRETE FORMWORK CONTRACTOR

1 AS3 PROFILE INSTALLATION DETAIL (TYPE 'A') NOT TO SCALE



2 AS3 TYPICAL FORMING DETAIL FOR GRADE BEAM NOT TO SCALE



3 AS5 DETAIL OF REINFORCEMENT PLACEMENT AT PROFILE NOT TO SCALE

GRADE BEAM INSTALLATION:

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PART 1. SOIL FORMED:

THE SIMPLEST INSTALLATION UTILIZES THE SOIL AS A FORM FOR THE CONCRETE. AN EXCAVATOR USING A BUCKET 2" (50mm) NARROWER THAN THE GRADE BEAM DIMENSION CAN EXCAVATE THE SPECIFIED WIDTH AND DEPTH. THIS WILL REQUIRE A FAIRLY STIFF SOIL THAT WILL RETAIN ITS SHAPE WHEN THE TRENCH IS CUT. ALTERNATIVELY, IN LOOSE OR UNSTABLE SOILS THE TRENCH WILL HAVE TO BE EXCAVATED WITH 45° SIDE SLOPES. THE BEAM CAN THEN BE FORMED AND POURED. AFTER A MINIMUM OF 24 HOURS THE FORMWORK CAN BE REMOVED AND BACKFILL INSTALLED. NOTE THAT WHEN BACKFILLING, PLACE EXCAVATED MATERIAL EQUALLY ON BOTH SIDES OF THE BEAM. BACKFILL IN 8" (200mm) LIFTS (LAYERS) AND COMPACT THOROUGHLY BEFORE INSTALLING SECOND LIFT.

PART 2. REINFORCING STEEL:

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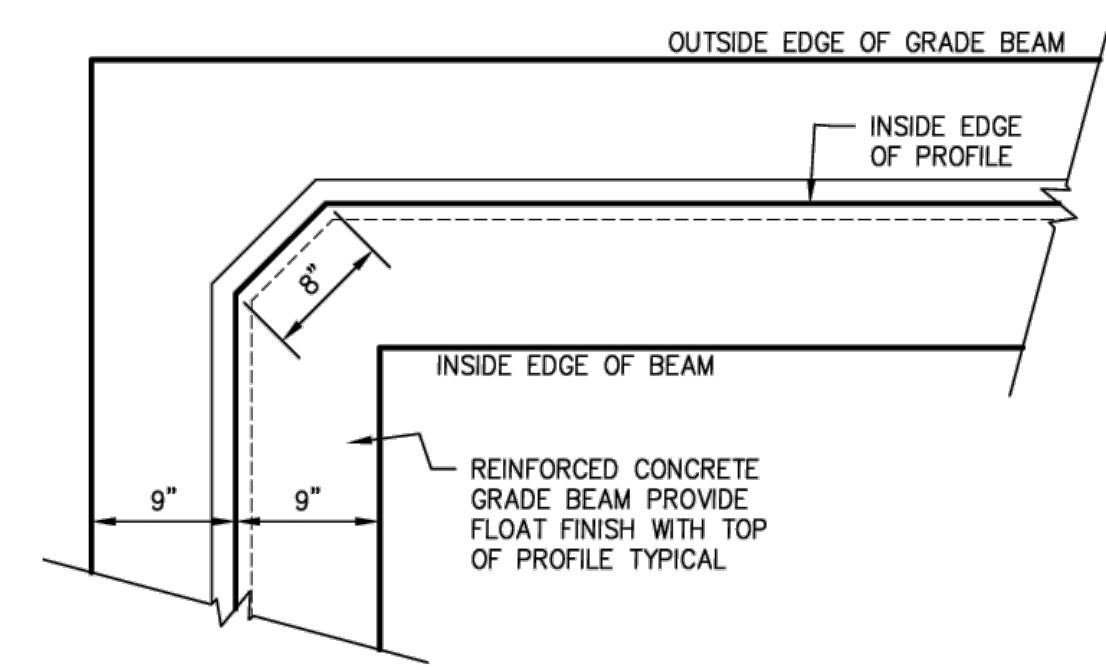
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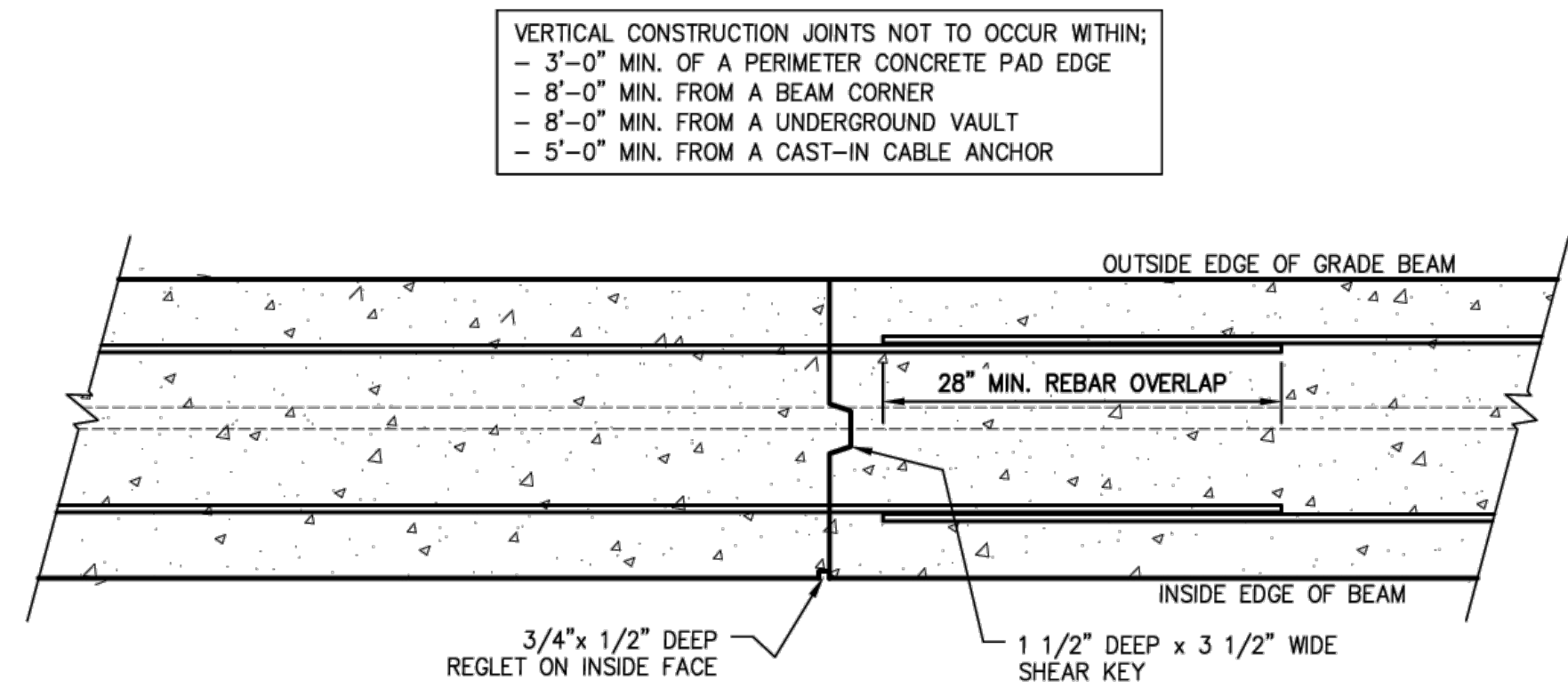
AS THE PROFILE IS MANUFACTURED IN 10' (3m) LENGTHS, 10' (3m) PIECES OF PRESSURE TREATED 2 X 4 STAGGERED ON PROFILE SECTIONS WORKS WELL FOR INSTALLATION. SECTIONS OF PROFILE PACKED WITH PRESSURE TREATED 2 X 4 AND 1/8" (3mm) MASONITE PACKING ARE WIRED UP TO SPREADERS AT 4' (1220mm) o/c. THE SPREADERS SPAN THE GAP AND HOLD THE TOP EDGE FORMS THE CORRECT DISTANCE APART (DETAIL 2/AS3). ON METHOD 'A' PROFILE INSTALLATIONS, A STRIP OF DUCT TAPE ALONG THE TOP WILL KEEP CONCRETE OUT AND EASE REMOVAL OF 2 X 4 LATER (DETAIL 2/AS3). USING FLEXIBLE TIE-WIRE, CLOSE THE PROFILE TIGHTLY AGAINST THE PACKING AND HANG FROM THE SPREADERS. 1/2" (40mm) PACKING BETWEEN SPREADERS AND SIDE FORMS WILL EASE FINISHING OR, ALTERNATIVELY, SPREADERS CAN BE REMOVED WHEN CONCRETE HAS REACHED INITIAL SET TO SPEED FINISHING. N.B.: REMOVE PACKING THE DAY AFTER POUR AS MOISTURE WILL SWELL LUMBER, MAKING REMOVAL DIFFICULT. WITH THE 'B' METHOD, TWO PRESSURE TREATED 2 X 4'S WILL BE REQUIRED IN ADDITION TO THE 1/8" X 3/4" (3mm X 89mm) FIBREBOARD (MASONITE) PACKING. ALL OTHER INSTRUCTIONS ARE SIMILAR. GENERAL DETAIL --- ON EACH CORNER OF THE STRUCTURE WILL BE A 45° ANGLE WHICH EASES INSTALLATION AND RELIEVES FABRIC STRESS (DETAIL 4/AS3). LAY A SHORT PIECE OF PROFILE ACROSS THE CORNER AS SHOWN AND CUT THROUGH INTERSECTIONS WITH A HAND SAW TO HAVE PERFECTLY MATCHING JOINTS.

PART 4. AIR STRUCTURE DRAINAGE:

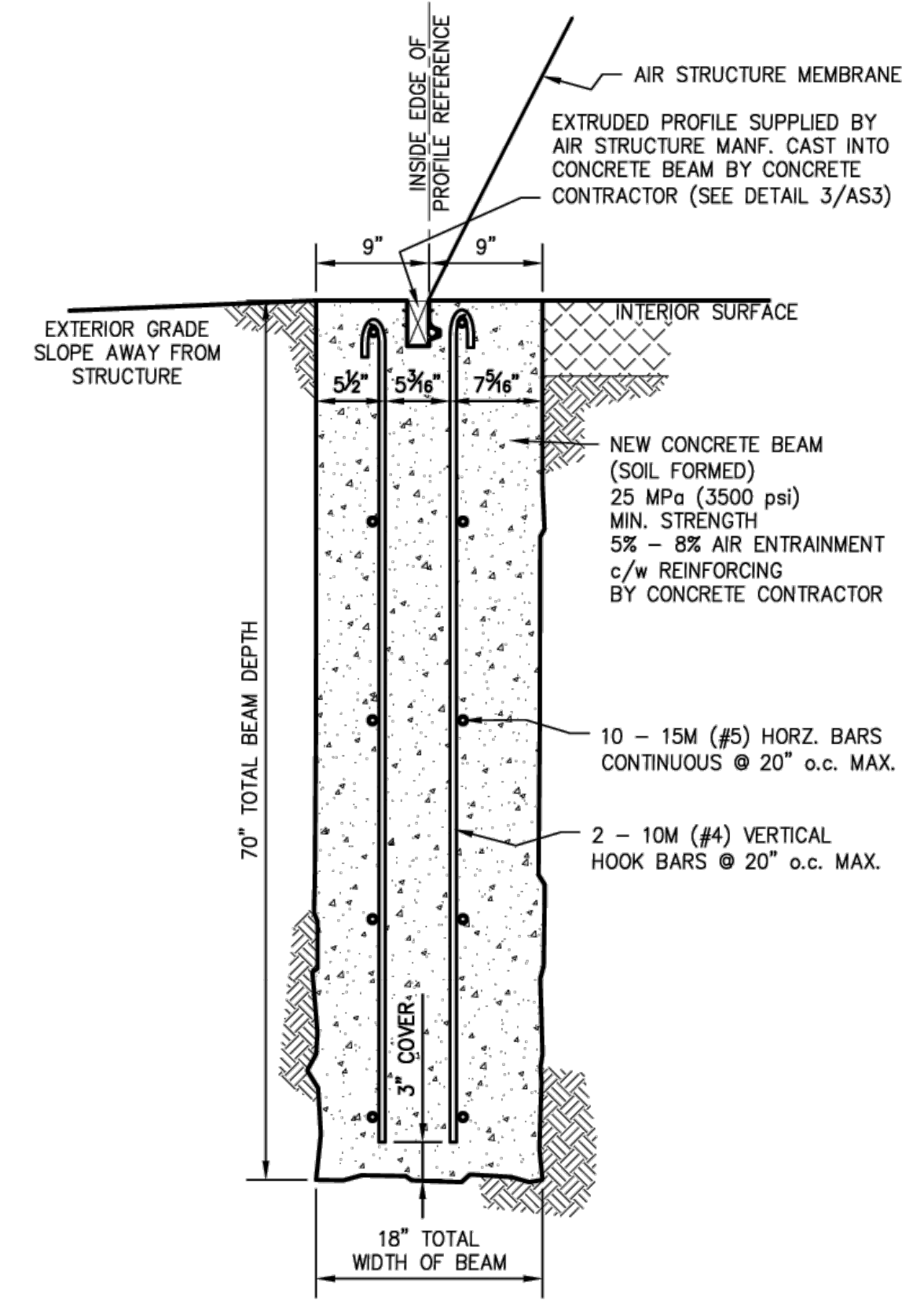
DRAINAGE (WHERE APPLICABLE) --- TO FACILITATE DRAINAGE FROM YOUR PROFILE, ESPECIALLY IN SITUATIONS WHERE TOP OF BEAM IS ABOVE EXTERIOR GRADE, WE RECOMMEND INSTALLING MIN. 1 1/2" WIDE DRAIN CHANNELS AT EVERY CORNER AND SIMILAR DRAIN CHANNELS SHOULD BE INSTALLED AROUND THE ENTIRE PERIMETER OF THE BEAM AT A SPACING OF 50'-0" MAXIMUM AND EACH SIDE OF DOOR AND MECHANICAL CONCRETE PADS. ENSURE THAT THE PLACEMENT OF PERIMETER DRAINS DOES NOT INTERFERE WITH PADS OR OTHER ELEMENTS SUCH AS CAST-IN CABLE ANCHORS. PROVIDE A MINIMUM DISTANCE OF 3'-0" FROM ANY INTERFERING ELEMENTS.



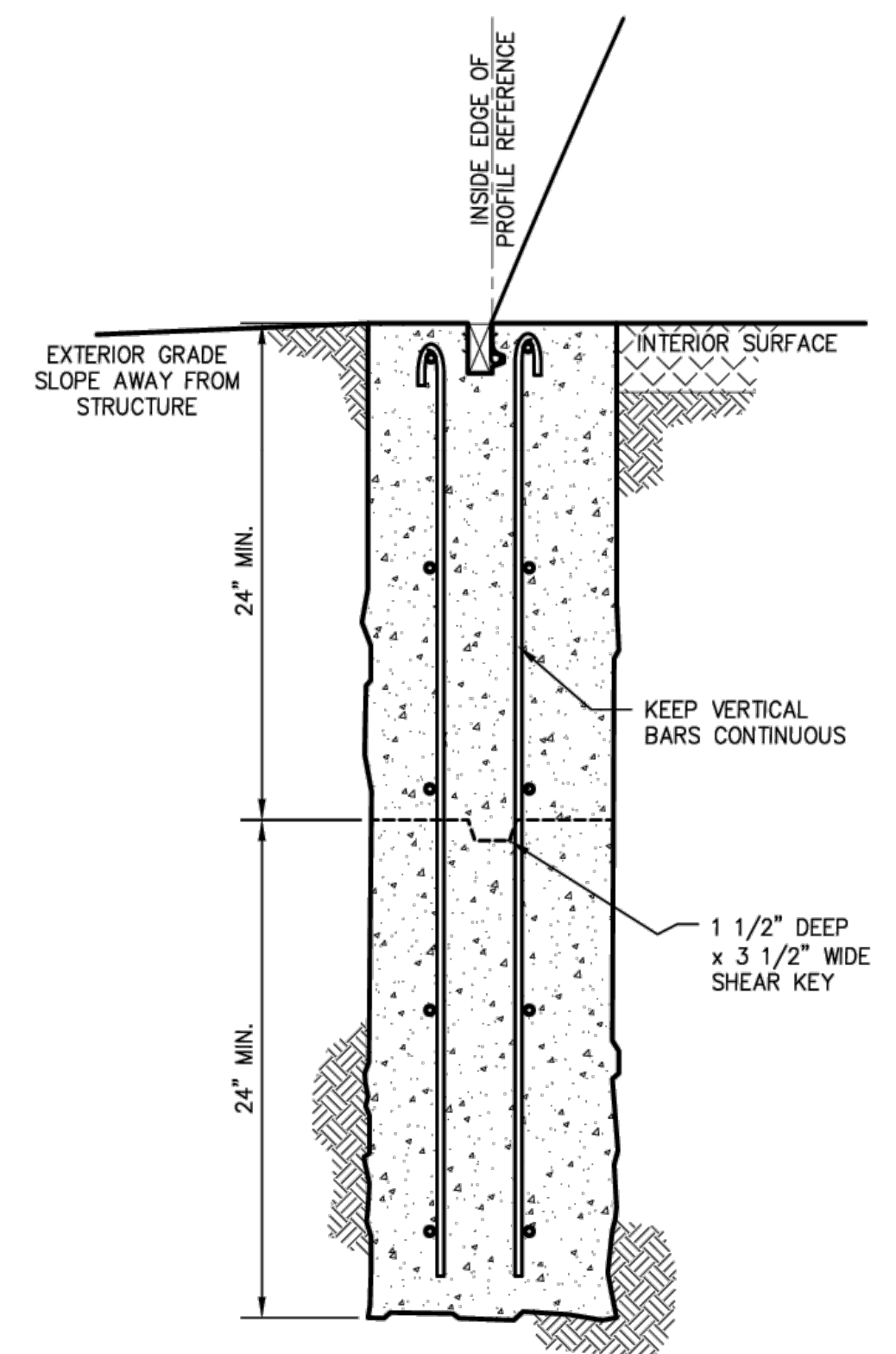
4 AS3 TYPICAL BEAM CORNER DETAIL SCALE 1" = 1'-0"



6 AS3 TYP. GRADE BEAM VERTICAL CONSTRUCTION JOINT NOT TO SCALE



5 AS3 TYPICAL GRADE BEAM SECTION SCALE 1" = 1'-0"



7 AS3 TYP. GRADE BEAM HORIZONTAL CONSTRUCTION JOINT NOT TO SCALE

NO.	DATE (DD/MM/YY)	REVISION

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A	A --- DETAIL NUMBER
B	B --- SHEET WHERE DETAILED

**==PRELIMINARY ONLY==
==NOT FOR CONSTRUCTION==**

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Creative Space Solutions

CLIENT: **PIERRE LAMARCHE**

CLIENT ACCEPTANCE SIGNATURE: _____
DATE ACCEPTED: _____

PROJECT: **SEASONAL AIR SUPPORTED STRUCTURE FOR TENNIS (120'-0" x 253'-0" x 36'-0")**

LOCATION: **VAUGHAN, ON**

DRAWING: **GRADE BEAM DETAILS (SOIL FORMED)**

PROJECT NORTH: _____ DRN BY: **C.J.S.**
REVIEWED BY: _____
DATE: **NOV. 21, 2023**
SCALE: **AS SHOWN**
PLAN NORTH: _____ PROJ. #: _____
DRAWING #: **AS3**