



NOTES:  
ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED

REGULATIONS & SPECIFICATIONS:

- CANADIAN AVIATION REGULATIONS CAR 305 & 325
- CANADIAN AVIATION REGULATIONS CAR 621
- ICAO ANNEX 14

OBSTACLE LIMITATION SURFACE DIMENSIONS AND SLOPES FOR NON-INSTRUMENT FATOs FROM CAR 325 TABLE 4-1

HELIPORT CLASSIFICATION: H3

DESIGN HELICOPTER(S): AW139 (MAX OVERALL LENGTH 16.66m (54.66 FT)) & H125/H135/H145 (MAX OVERALL LENGTH 13.64m (44.75 FT))(HELIPORT CLASSIFICATION)

TLOF: COINCIDENTAL WITH FATO

FATO: 24.99m (81.99 ft)

SAFETY AREA: 33.29m (109.21 ft)

DAY/NIGHT CERTIFICATION: 15% DIVERGENCE

PAD  $\pm$  ELEVATION (NOT SURVEYED):

- 273.63m (897.75 ft) ASL


HELIPORT  $\pm$  GEOGRAPHIC DESIGN COORDINATES NAD83 (NOT SURVEYED):

- N44° 04' 44"
- W79° 23' 38"

CONTRACTOR TO PROVIDE AS-BUILT SURVEY OF GEOGRAPHIC COORDINATES IN NAD83 DATUM REFERENCE IN GEODETIC (DD-MM-SSS) FORMAT AND PAD ELEVATION IN ft ASL AS AFTER CONSTRUCTION COMPLETION

6	ISSUED FOR ADDENDUM 15	AW	30 NOV 24
5	ISSUED FOR ADDENDUM 3	AW	23 SEP 24
4	ISSUED FOR TENDER	AW	09 SEP 24
3	ISSUED FOR BUILDING PERMIT	AW	31 JUL 24
2	GENERAL REVISIONS	AW	05 JUL 24
1	2ND ISSUE	AW	01 MAY 24
0	1ST ISSUE	AW	16 APR 24
REV.	DESCRIPTION	BY:	DATE:

STATUS:

<div>RGHservices Consulting Inc</div>			
Cell 604-626-6834		ron.german@rghservices.com	
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CLIENT: YORK REGIONAL POLICE			
ARCHITECT/ENGINEER:			
SITE: EAST GWILLIMBURY, ON			
TITLE: FLIGHT PATH LAYOUT			
SCALE AT ISO A1: NONE	DATE: 23 MAR 24	DRAWN: KWI	CHECKED: RG
PROJECT NO: RGH224	DRAWING NO: H01	REVISION NO: 6	





NOTES:  
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4	ISSUED FOR TENDER	AW	09 SEP 24
3	ISSUED FOR BUILDING PERMIT	AW	31 JUL 24
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CLIENT:

YORK REGIONAL POLICE

ARCHITECT/ENGINEER:

SITE:

EAST GWILLIMBURY, ON

TITLE:

FLIGHT PATH LAYOUT

SCALE AT ISO A1:

NONE

DATE:

23 MAR 24

DRAWN:

KW

CHECKED:

RQ

PROJECT NO:

RGH224

DRAWING NO:

H01

REVISION NO:

5





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ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED

REGULATIONS & SPECIFICATIONS:

- CANADIAN AVIATION REGULATIONS CAR 305 & 325
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4	ISSUED FOR TENDER	AW	09 SEP 24
3	ISSUED FOR BUILDING PERMIT	AW	31 JUL 24
2	GENERAL REVISIONS	AW	05 JUL 24
1	2ND ISSUE	AW	01 MAY 24
0	1ST ISSUE	AW	16 APR 24
REV.	DESCRIPTION	BY:	DATE:

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EAST GWILLIMBURY, ON

TITLE:  
FLIGHT PATH LAYOUT

SCALE AT ISO A1: NONE	DATE: 23 MAR 24	DRAWN: KWI	CHECKED: RG
PROJECT NO: RGH224	DRAWING NO: H01	REVISION NO:	4





- ELECTRICAL & RELATED WORK CONT'D**
- 2. ELECTRICAL & RELATED WORK**
- 2.1. CONTRACTOR TO SUPPLY & INSTALL (1) HELIPORT ARCAL RADIO LIGHTING CONTROLLER WITH 3-STEP BRIGHTNESS CONTROL & ALL NECESSARY CONDUIT FOR 120VAC INPUT ELECTRICAL FEED (SOURCE LOCATION TBD BY ELECTRICAL ENGINEER). NEW LIGHTING CONTROLLER TO LOCATED INSIDE HANGAR ADJACENT TO THE NEAREST MAN DOOR. REFER TO DRAWING H05 & ELECTRICAL ENGINEER'S DOCUMENTS
- 2.2. CONTRACTOR TO SUPPLY & INSTALL (11) 120VAC DIMMING LED HELIPORT INSET GREEN PERIMETER LIGHTS WITH IR DIODE & ALL NECESSARY CONDUIT FOR MULTI-CONDUCTOR ELECTRICAL FEED (NOTE THAT LIGHTS REQUIRE 3-WIRE POWER FEED AND 2 ADDITIONAL DATA WIRES FOR DIMMING; ENSURE CONDUIT SIZE IS APPROPRIATE (SOURCE LOCATION TBD BY ELECTRICAL ENGINEER). REFER TO DRAWING H05 & ELECTRICAL ENGINEER'S DOCUMENTS
- 2.3. CONTRACTOR TO SUPPLY & INSTALL (1) HELIPORT WIND DIRECTION INDICATOR C/W RED LED SINGLE-BULB OBSTRUCTION LIGHT & WHITE INTERNAL SOCK LIGHT. WIND DIRECTION INDICATOR LIGHTING TO BE ENERGIZED 24 HOURS PER DAY; 7 DAYS PER WEEK. THE WIND CONE IS TO BE COMPLIANT WITH CAR 325.31. STRUCTURAL ENGINEER IS TO PROVIDE THE FOUNDATION DESIGN. PROVIDE ALL NECESSARY CONDUIT FOR 120VAC ELECTRICAL FEED (SOURCE LOCATION TBD BY ELECTRICAL ENGINEER). REFER TO DRAWINGS H03, H05 & ELECTRICAL ENGINEER'S DOCUMENTS
- 2.4. INTENTIONALLY LEFT BLANK
- 2.5. CONTRACTOR TO SUPPLY & INSTALL (5) CL810 LOW-INTENSITY STEADY-BURNING DUAL RED LED OBSTRUCTION LIGHTS ENERGIZED FROM A POWER SOURCE SPECIFIED BY THE ELECTRICAL ENGINEER. OBSTRUCTION LIGHTS ARE TO BE ENERGIZED 24 HRS PER DAY/7 DAYS PER WEEK. REFER TO DRAWING H05 & ELECTRICAL ENGINEER'S DOCUMENTS
- 2.6. CAMPBELL SCIENTIFIC BASE WEATHER STATION BY OWNER. CONTRACTOR TO VERIFY PREFERRED LOCATION 1/5' HANGAR (CURRENTLY SHOWN ADJACENT TO ARCAL) FOR INSTALLATION OF APPROPRIATE ELECTRICAL CONDUIT
- 2.6.1. WEATHER STATION BASE. STRUCTURAL ENGINEER IS TO PROVIDE THE FOUNDATION DESIGN. PROVIDE ALL NECESSARY CONDUIT FOR APPROPRIATE ELECTRICAL FEED (SOURCE LOCATION TBD BY ELECTRICAL ENGINEER). REFER TO ELECTRICAL, GEOTECHNICAL, STRUCTURAL & CIVIL ENGINEER'S DOCUMENTS. REFER TO DRAWING H05
- 3. MARKINGS & RELATED WORK**
- 3.1. CONTRACTOR TO SUPPLY MATERIALS & PAINT THE WHITE AIMING POINT MARKING PER CAR 325. CONTRACTOR TO ENSURE MARKINGS ALIGN WITH MAGNETIC NORTH. REFER TO DRAWING H04
- 3.2. CONTRACTOR TO SUPPLY MATERIALS & PAINT THE WHITE FATO MARKING ON THE HELIPORT SURFACE. REFER TO DRAWING H04
- 3.3. CONTRACTOR TO SUPPLY MATERIALS & PAINT THE YELLOW PEDESTRIAN CAUTION MARKINGS AS SHOWN. REFER TO DRAWING H04
- 3.4. CONTRACTOR TO SUPPLY AND INSTALL (5) NO SMOKING/DANGER SIGNS. FOR LOCATIONS REFER TO DRAWING H03. INSTALL FENCE-MOUNTED SIGNS WITH TAMPER & RUST-RESISTANT SIGN MOUNTING HARDWARE IN 4 LOCATIONS ON EACH SIGN
- 3.5. CONTRACTOR TO SUPPLY AND INSTALL (5) WARNING/ROTOR WASH SIGNS. FOR LOCATIONS REFER TO DRAWING H03. INSTALL FENCE-MOUNTED SIGNS WITH TAMPER & RUST-RESISTANT SIGN MOUNTING HARDWARE IN 4 LOCATIONS ON EACH SIGN
- 3.6. CONTRACTOR TO SUPPLY AND INSTALL (1) FIRE EXTINGUISHER SIGN ON OUTSIDE OF HANGAR ADJACENT TO THE EXTINGUISHER CABINET. REFER TO DRAWING H03. INSTALL WITH RUST-RESISTANT SIGN MOUNTING HARDWARE
- 3.7. CONTRACTOR TO SUPPLY & PLACE RETRO-REFLECTIVE TAPE EVERY 2m ON TOP OF FENCE LINE AROUND ENTIRE PERIMETER. REFER TO DRAWING H03
- 3.8. CONTRACTOR TO SUPPLY AND INSTALL (1) NO PARKING SIGN ON OR ADJACENT TO THE GATE AS SHOWN. REFER TO DRAWING H03. INSTALL FENCE-MOUNTED SIGNS WITH TAMPER & RUST-RESISTANT SIGN MOUNTING HARDWARE IN 4 LOCATIONS ON EACH SIGN
- 3.9. CONTRACTOR TO SUPPLY MATERIALS & PAINT THE WHITE PAVEMENT MARKING AS SHOWN. REFER TO DRAWING H04

**GENERAL NOTES**  
ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED

CONFIRM EXISTENCE & EXACT LOCATION OF ALL OVERHEAD AND UNDERGROUND SERVICES FROM ENTITIES RESPONSIBLE BEFORE PROCEEDING WITH CONSTRUCTION

CONFIRM ALL EXISTING GRADES, LAYOUT, DIMENSIONS & MATERIALS ON SITE AND REPORT ANY ERRORS OR OMISSIONS TO THE CONTRACT ADMINISTRATOR & PRIME CONSULTANT BEFORE CONSTRUCTION

DEVIATIONS ARE NOT PERMITTED UNLESS AUTHORIZED IN WRITING BY THE CONTRACT ADMINISTRATOR & PRIME CONSULTANT BEFORE CONSTRUCTION

**1. CONSTRUCTION WORK**

1.1. CONTRACTOR TO GRADE AREA OF CONSTRUCTION, SUPPLY & PLACE CORRECT FILL MATERIAL TO ACHIEVE THE DESIGN ELEVATION OF THE NEW SLAB-ON-GRADE HELIPORT & APRON. APPROXIMATE AREA = 1557 SQ. m. REFER TO GEOTECHNICAL, STRUCTURAL & CIVIL ENGINEER'S DOCUMENTS

1.2. CONTRACTOR TO CONSTRUCT A SLAB-ON-GRADE HELIPORT AND APRON INCLUDING IN-SLAB HYDRONIC HEATING AS ILLUSTRATED. ALL SLABS ARE TO BE SLOPED AS SHOWN. THE SLOPE ON THE SLAB IN ANY DIRECTION SHALL NOT EXCEED 2%. THE CONCRETE HELIPORT SHALL BE CAPABLE OF WITHSTANDING A POINT LOAD WEIGHT OF 17,000 LBS. APPROXIMATE SLAB AREA = 1557 SQ. m. PLACE & COMPACT BASE MATERIALS PER GEOTECHNICAL, STRUCTURAL & CIVIL ENGINEER'S DOCUMENTS

1.3. INTENTIONALLY LEFT BLANK

1.4. CONTRACTOR TO SUPPLY & INSTALL NEW 10m HIGH CHAIN-LINK FENCE (MAX 125m OVER POSTS) WITH SLIDING LOCKABLE GATE. FENCE NO HIGHER THAN 1.25m UNTIL 15.63m FROM EDGE OF FATO OUTER EDGE (8% SLOPE) ACTUAL FENCE LINE ON SITE TO BE DETERMINED. REFER TO DRAWING H03


1.5. CONTRACTOR TO SUPPLY & INSTALL (2) 10A: 120B FIRE EXTINGUISHER INSIDE TAMPER-PROOF CABINETS ON OUTSIDE OF HANGAR

1.6. CONTRACTOR TO PREPARE GRADE FOR PLACEMENT OF BACKFILL, TOPSOIL & SOD IN ALL AREAS DISTURBED BY CONSTRUCTION. TOPSOIL & SOD IS NOT TO EXCEED THE HELIPORT PAD ELEVATION AT ANY POINT. REFER TO GEOTECHNICAL, STRUCTURAL & CIVIL ENGINEER'S DOCUMENTS

1.7. CONTRACTOR TO PROVIDE AS-BUILT SURVEY OF GEOGRAPHIC COORDINATES IN NAD83 DATUM REFERENCE IN GEODETIC (DD-MM-SSS) FORMAT AND PAD ELEVATION IN FT ASL AS AFTER CONSTRUCTION COMPLETION

1.8. FUEL TANK & FOUNDATION BY OTHERS

7	ISSUED FOR ADDENDUM 15	AW	30 NOV 24
6	ISSUED FOR ADDENDUM 3	AW	23 SEP 24
5	ISSUED FOR TENDER	AW	09 SEP 24
4	REVISED ELECTRICAL	AW	27 AUG 24
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CLIENT: YORK REGIONAL POLICE

ARCHITECT/ENGINEER:

SITE: EAST GWILLIMBURY, ON

TITLE: SITE LAYOUT

SCALE AT ISO A1:	DATE:	DRAWN:	CHECKED:
NONE	23 MAR 24	KW	RQ
PROJECT NO:	DRAWING NO:	REVISION NO:	
RGH224	H02	7	





## ELECTRICAL & RELATED WORK CONT'D

### 2. ELECTRICAL & RELATED WORK

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### 3. MARKINGS & RELATED WORK

- 3.1. CONTRACTOR TO SUPPLY MATERIALS & PAINT THE WHITE AIMING POINT MARKING PER CAR 325. CONTRACTOR TO ENSURE MARKINGS ALIGN WITH MAGNETIC NORTH. REFER TO DRAWING H04
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- 3.5. CONTRACTOR TO SUPPLY AND INSTALL (3) WARNING/ROTOR WASH SIGNS. FOR LOCATIONS REFER TO DRAWING H03. INSTALL FENCE-MOUNTED SIGNS WITH TAMPER & RUST-RESISTANT SIGN MOUNTING HARDWARE IN 4 LOCATIONS ON EACH SIGN
- 3.6. CONTRACTOR TO SUPPLY AND INSTALL (2) FIRE EXTINGUISHER SIGNS ON OUTSIDE OF HANGAR ADJACENT TO THE EXTINGUISHER CABINET. REFER TO DRAWING H03. INSTALL WITH RUST-RESISTANT SIGN MOUNTING HARDWARE IN 4 LOCATIONS ON EACH SIGN
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- 1.2. CONTRACTOR TO CONSTRUCT A SLAB-ON-GRADE HELIPORT AND APRON INCLUDING IN-SLAB HYDRONIC HEATING AS ILLUSTRATED. ALL SLABS ARE TO BE SLOPED AS SHOWN. THE SLOPE ON THE SLAB IN ANY DIRECTION SHALL NOT EXCEED 2%. THE CONCRETE HELIPORT SHALL BE CAPABLE OF WITHSTANDING A POINT LOAD WEIGHT OF 17,000 LBS. APPROXIMATE SLAB AREA = 1527 SQ m. PLACE & COMPACT BASE MATERIALS PER GEOTECHNICAL, STRUCTURAL & CIVIL ENGINEER'S DOCUMENTS
- 1.2.1. CONTRACTOR TO CONSTRUCT SLAB-ON-GRADE APRONS AS ILLUSTRATED WITHOUT IN-SLAB HYDRONIC HEATING. APPROXIMATE SLAB AREA = 29.99 SQ m. PLACE & COMPACT BASE MATERIALS PER GEOTECHNICAL, STRUCTURAL & CIVIL ENGINEER'S DOCUMENTS
- 1.2.2. CONTRACTOR TO GRADE AREA OF CONSTRUCTION, SUPPLY & PLACE CORRECT FILL MATERIAL TO ACHIEVE THE DESIGN ELEVATION OF THE ASPHALT APRON (INSIDE FENCE LINE). APPROXIMATE AREA = 107 SQ m. ALL CIVIL WORK OUTSIDE OF THE HELIPORT AREA IS NOT INCLUDED THE SCOPE OF THE HELIPORT DRAWINGS, IN REFER TO GEOTECHNICAL, STRUCTURAL & CIVIL ENGINEER'S DOCUMENTS
- 1.2.3. CONTRACTOR TO APPLY AND COMPACT ASPHALT PAVEMENT IN THE AREA SHOWN AS SPECIFIED BY THE STRUCTURAL/CIVIL ENGINEER. APPROXIMATE AREA = 107 SQ m. PLACE & REFER TO GEOTECHNICAL, STRUCTURAL & CIVIL ENGINEER'S DOCUMENTS
- 1.3. INTENTIONALLY LEFT BLANK
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ARCHITECT/ENGINEER:

SITE: EAST GWILLIMBURY, ON

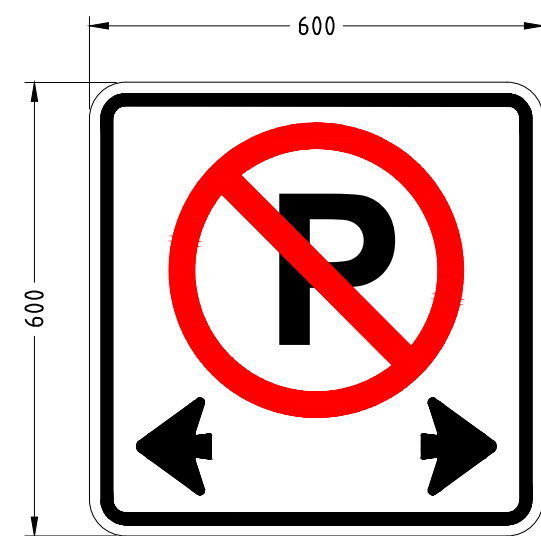
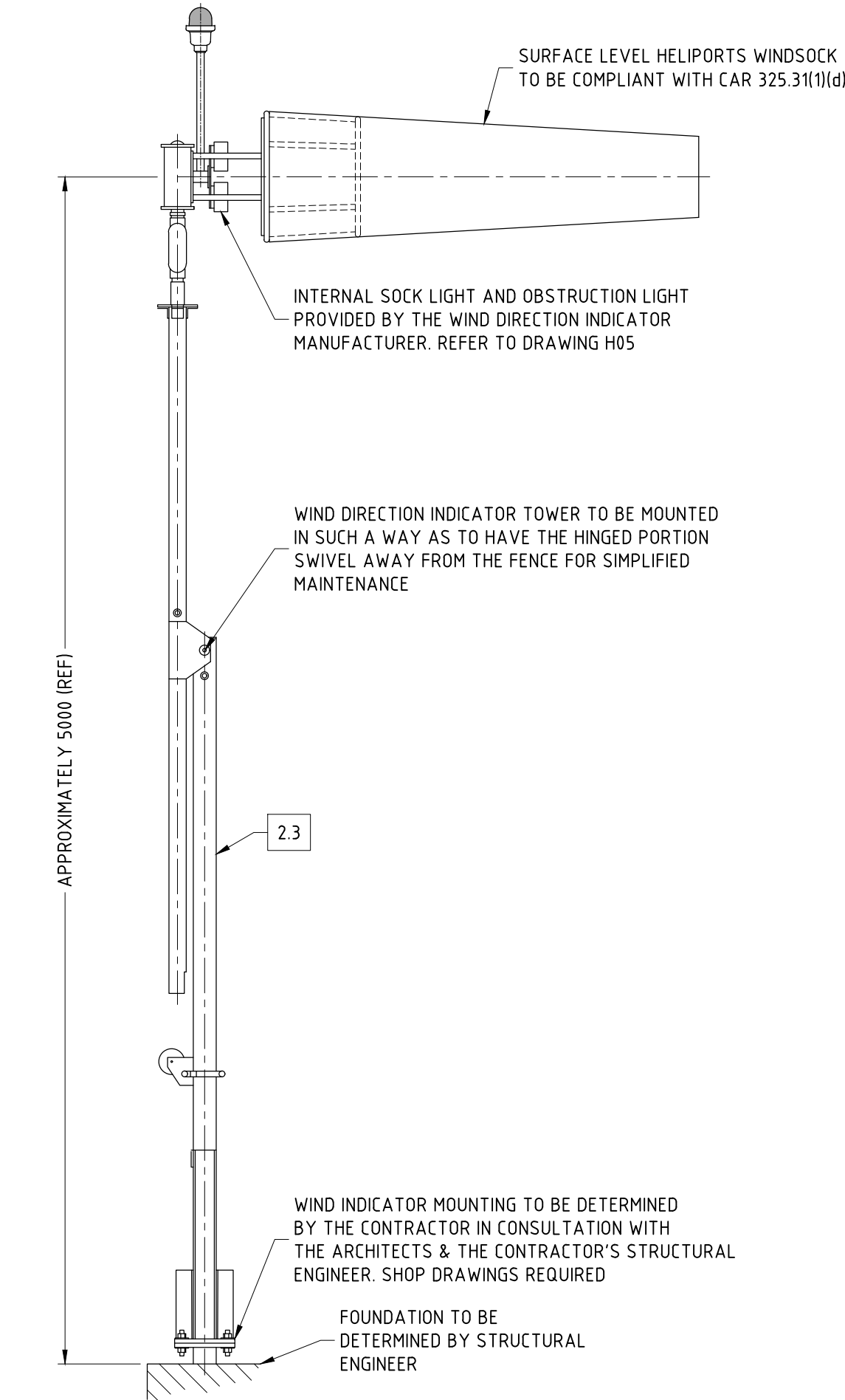
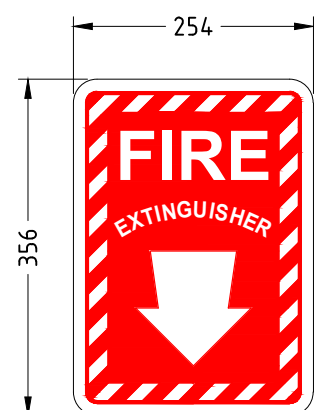
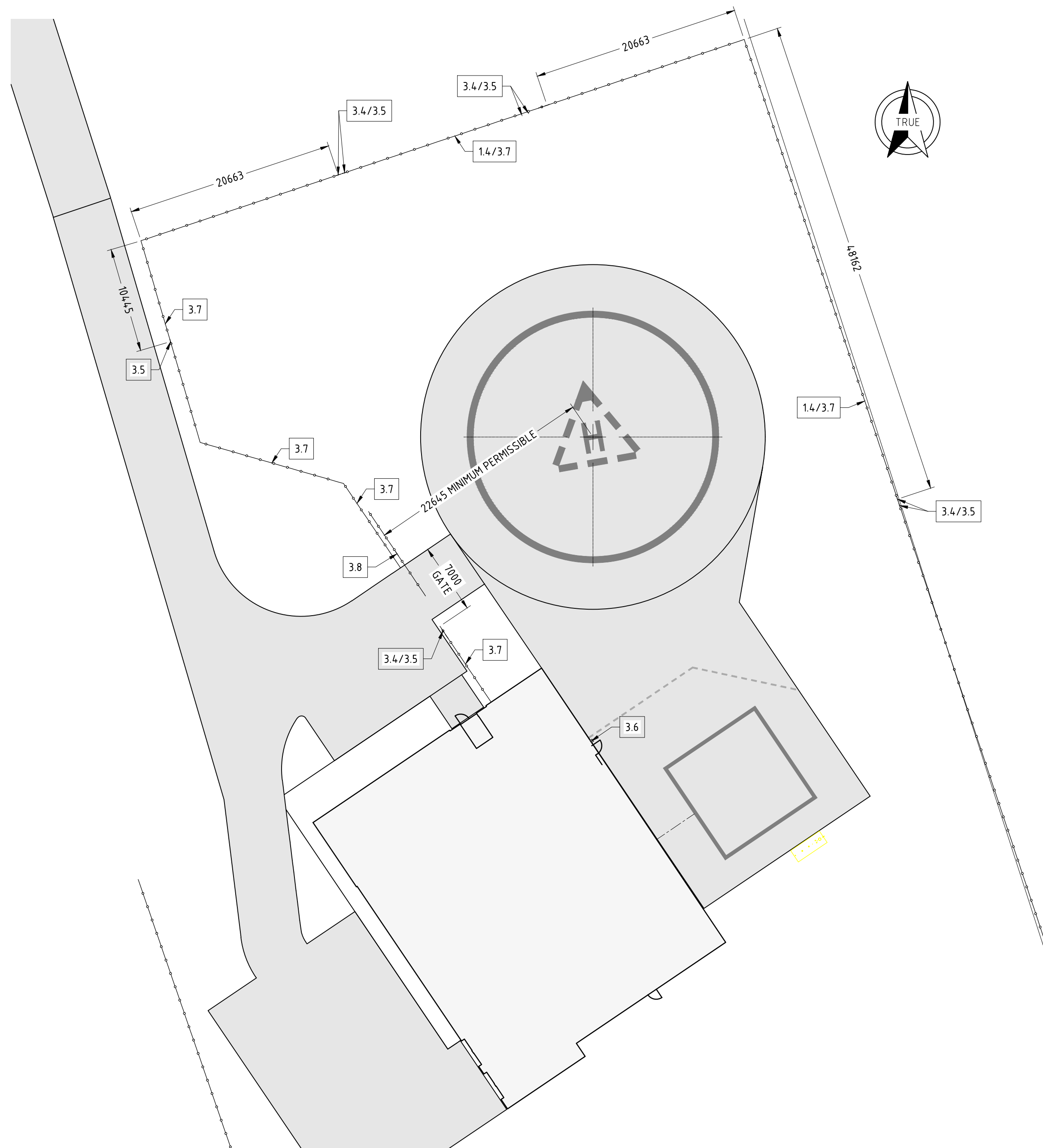
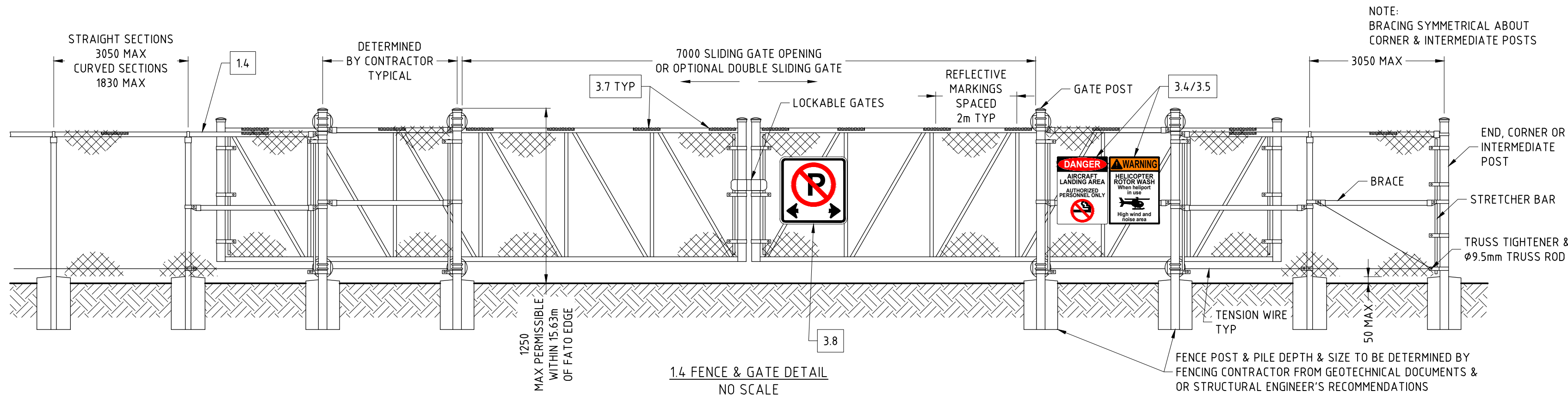
TITLE: SITE LAYOUT

SCALE AT ISO A1:	DATE:	DRAWN:	CHECKED:
NONE	23 MAR 24	KW	RQ
PROJECT NO:	DRAWING NO:	REVISION NO:	
RGH224	H02		6









3.8 NO PARKING SIGN  
NO SCALE  
QTY REQUIRED SEE DRAWING H02  
REFER TO DETAIL 1.4 THIS PAGE  
Product Code: 11110194  
AVAILABLE FROM ATS TRAFFIC-ONTARIO atstraffic.ca

- NOTES:
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- D. DEVIATIONS ARE NOT PERMITTED UNLESS AUTHORIZED IN WRITING BY THE CONTRACT ADMINISTRATOR & PRIME CONSULTANT BEFORE CONSTRUCTION
- E. INSTALL SIGNS WITH TAMPER & RUST-RESISTANT SIGN MOUNTING HARDWARE IN 4 LOCATIONS ON EACH SIGN
- F. ALL SIGN MATERIAL TO BE WHITE BACKGROUND ALUMINUM ASTM 5052-H 38 0.081" (2mm) THICKNESS OR APPROVED EQUIVALENT
- G. CONTRACTOR TO SUPPLY & PLACE RETRO-REFLECTIVE MARKING AS SPACED AS SHOWN ON DETAIL 1.4 FENCE & GATE DETAIL:
- G.A. 3M 50mm DIAMOND GRADE DG REFLECTIVE SHEETING 4.084 OR 973-74 ORANGE 50mm WIDE OR;
- G.B. INCOM 50mm WIDE ORANGE OR;
- G.C. REFLEXITE V98 FLUORESCENT ORANGE OR FLUORESCENT LIME 50mm WIDE
- H. PAINT LEAD-FREE YELLOW ENNIS-FLINT LOW VOC SOLVENT-BASED TRAFFIC PAINT (OR EQUIVALENT HIGH-QUALITY TRAFFIC PAINT). CONTRACTOR MUST FOLLOW MANUFACTURER'S INSTRUCTIONS

6	ISSUED FOR ADDENDUM 15	ATW	30 NOV 24
5	ISSUED FOR ADDENDUM 3	ATW	23 SEP 24
4	ISSUED FOR TENDER	ATW	09 SEP 24
3	ISSUED FOR BUILDING PERMIT	ATW	31 JUL 24
2	GENERAL REVISIONS	ATW	05 JUL 24
1	2ND ISSUE	ATW	01 MAY 24
0	1ST ISSUE	ATW	16 APR 24
REV.	DESCRIPTION	BY:	DATE:

		RG Heliservices Consulting Inc.	
Cell 604-626-6834		ron.german@rgheliseservices.com	

CLIENT:	YORK REGIONAL POLICE
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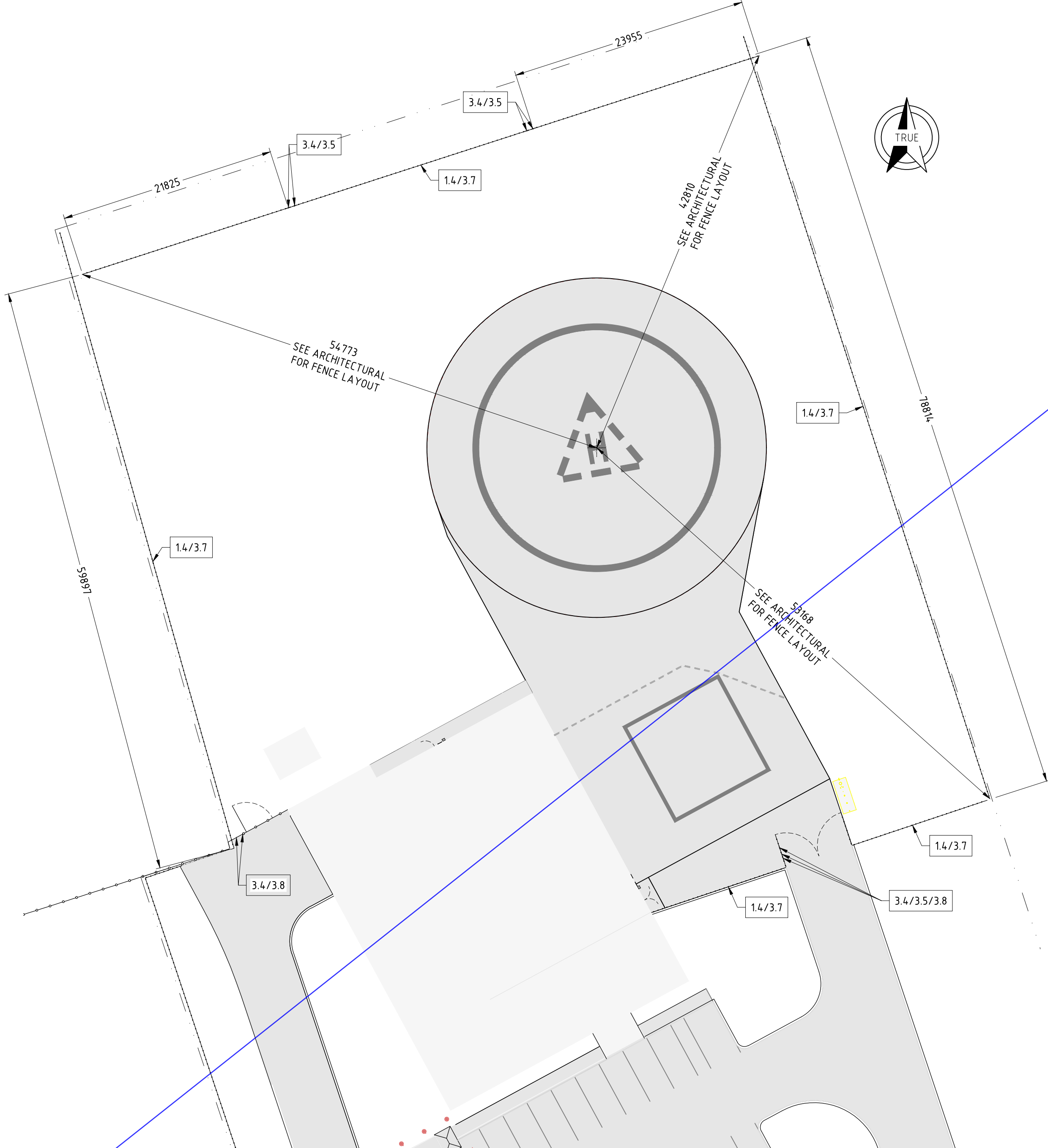
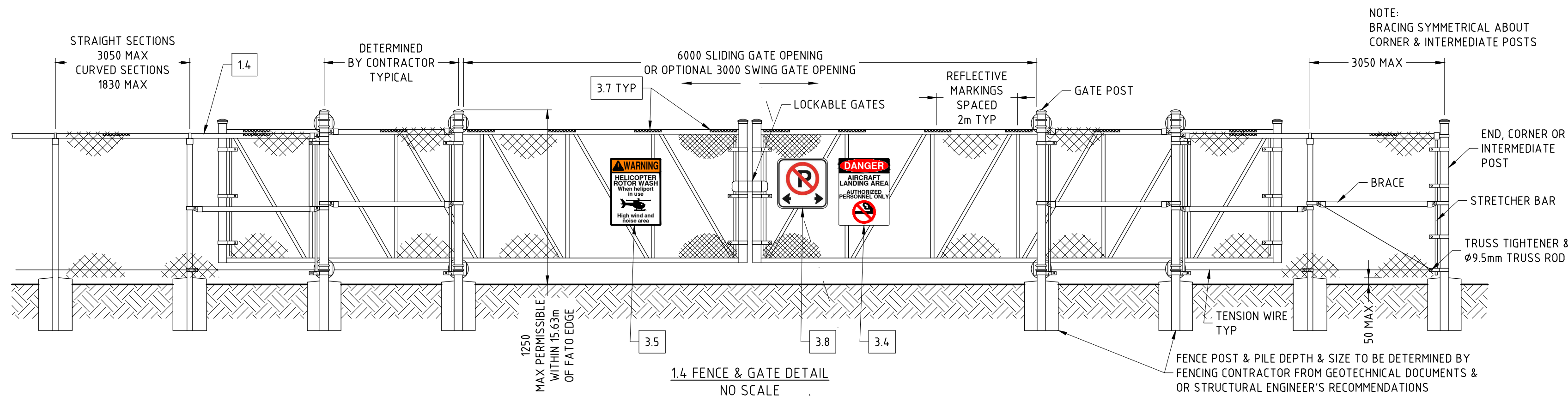
ARCHITECT/ENGINEER:	
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SITE:	EAST GWILLIMBURY, ON
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TITLE:	DETAILS
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SCALE AT ISO A1:	DATE:	DRAWN:	CHECKED:
NOTED	23 MAR 24	ATW	RG
PROJECT NO:	DRAWING NO:	REVISION NO:	
RGH224	H03		6

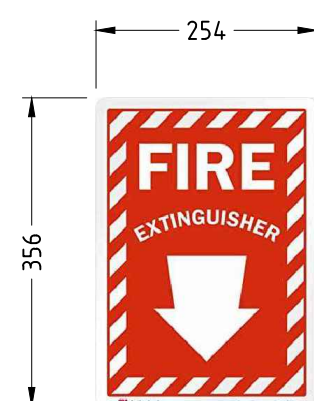




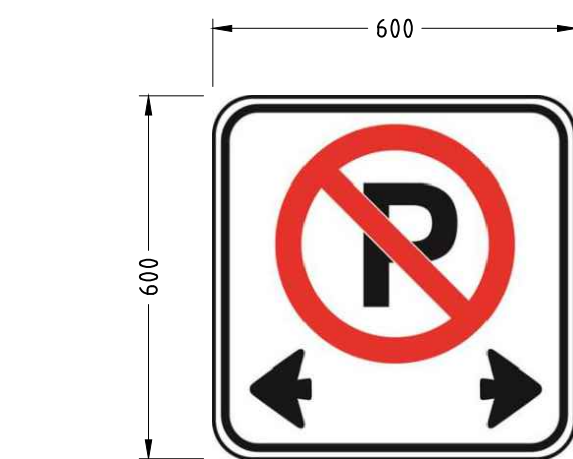
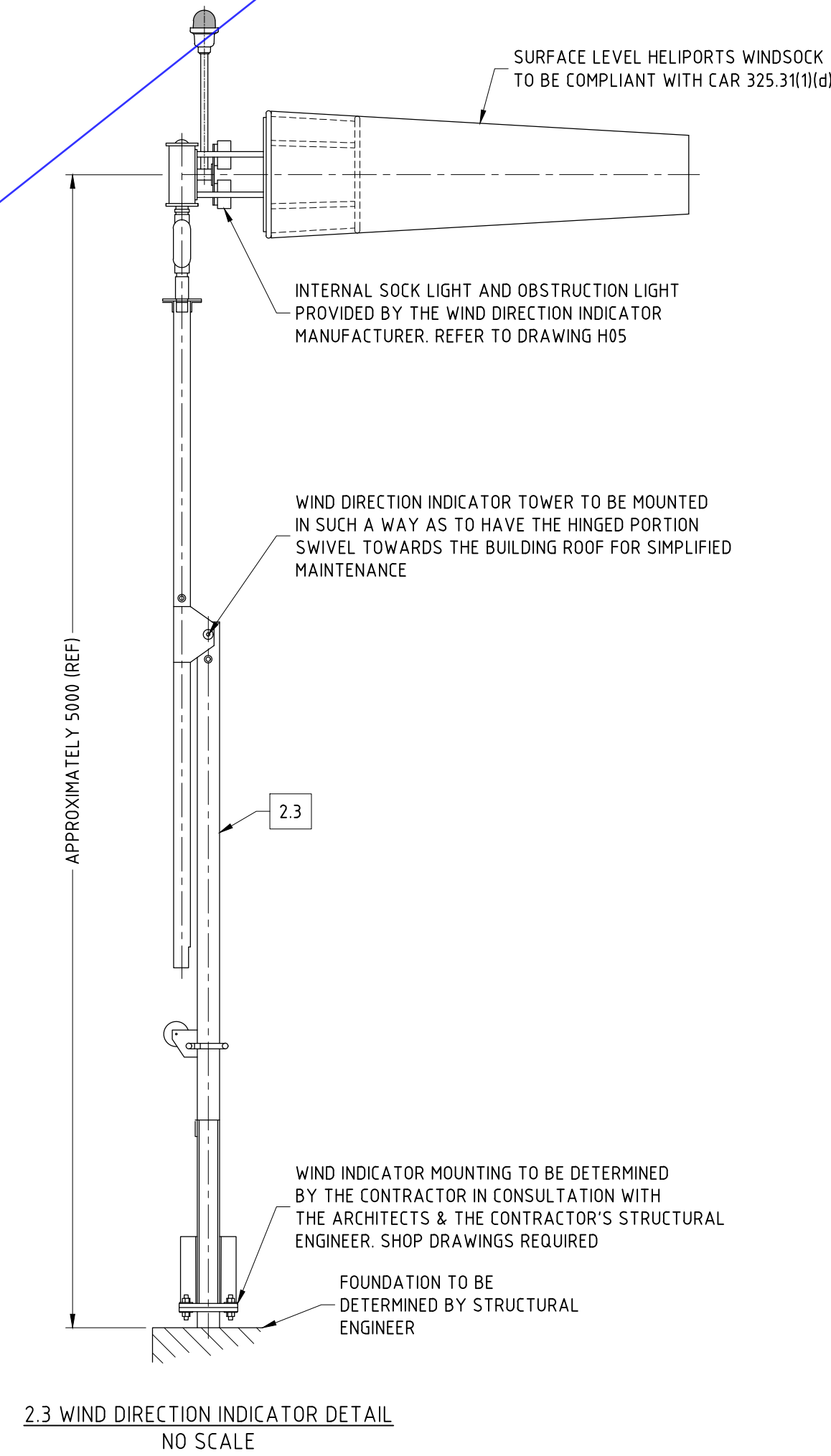
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NO SCALE  
QTY REQUIRED SEE DRAWING H02  
REFER TO DETAIL 1.4 THIS PAGE  
AVAILABLE FROM AIR NAVIGATION PRODUCTS [airnav24@shaw.ca](mailto:airnav24@shaw.ca)



3.5 WARNING/ ROTOR WASH SIGN  
NO SCALE  
QTY REQUIRED SEE DRAWING H02  
REFER TO DETAIL 1.4 THIS PAGE  
AVAILABLE FROM AIR NAVIGATION PRODUCTS [airnav24@shaw.ca](mailto:airnav24@shaw.ca)




3.6 FIRE EXTINGUISHER SIGN  
NO SCALE  
QTY REQUIRED SEE DRAWING H02  
AVAILABLE LOCALLY



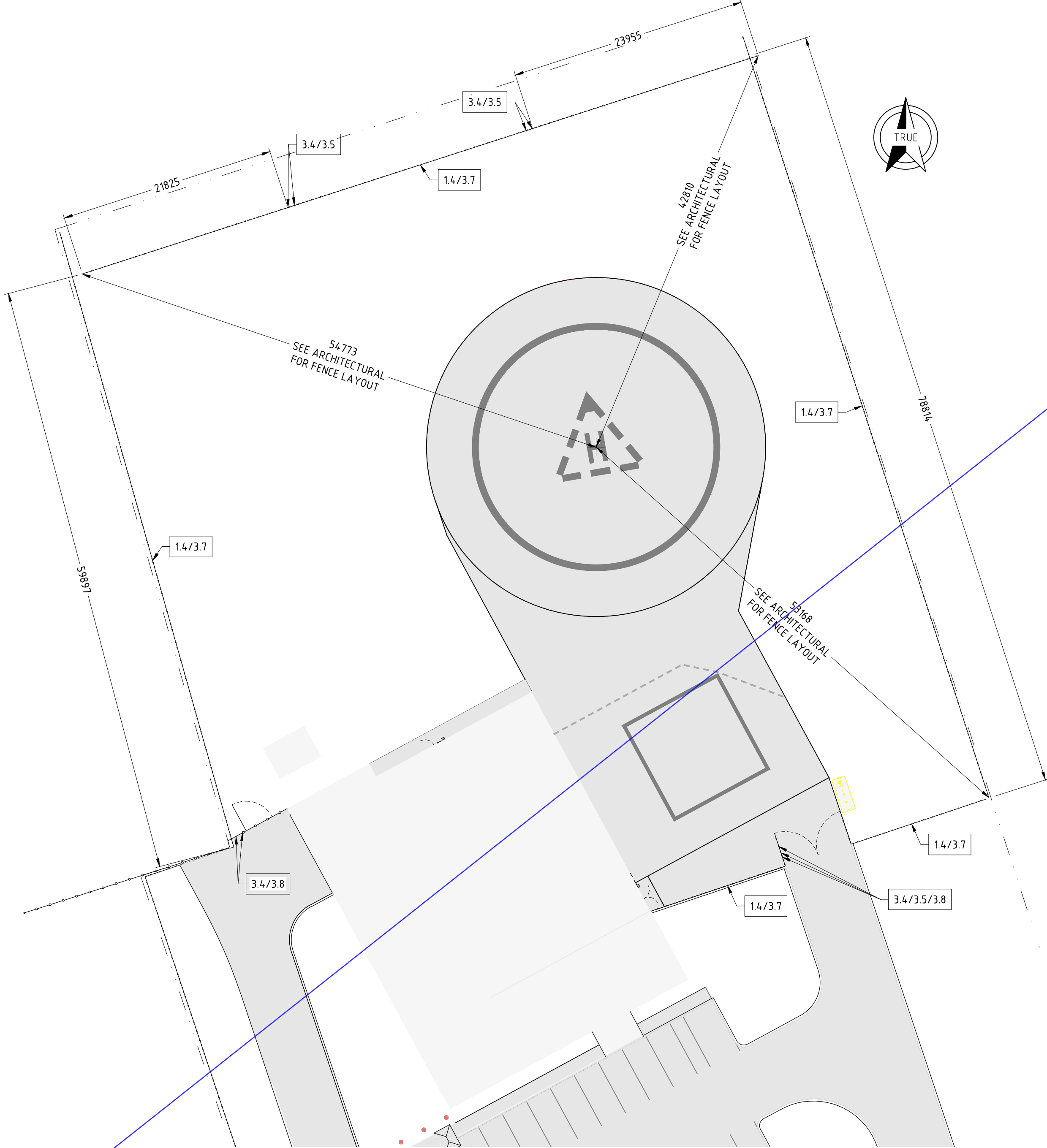
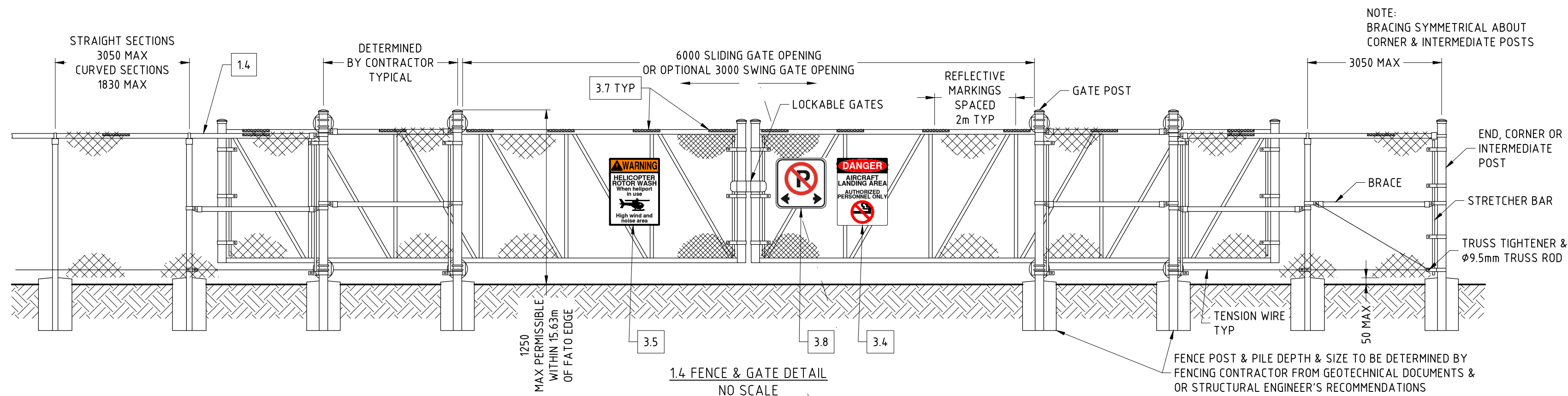
3.8 NO PARKING SIGN  
NO SCALE  
QTY REQUIRED SEE DRAWING H02  
REFER TO DETAIL 1.4 THIS PAGE  
Product Code: 11110194  
AVAILABLE FROM ATS TRAFFIC-ONTARIO [atstraffic.ca](mailto:atstraffic.ca)

- NOTES:
- A. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED
- B. CONFIRM EXISTENCE & EXACT LOCATION OF ALL OVERHEAD AND UNDERGROUND SERVICES FROM ENTITIES RESPONSIBLE BEFORE PROCEEDING WITH CONSTRUCTION
- C. CONFIRM ALL EXISTING GRADES, LAYOUT, DIMENSIONS & MATERIALS ON SITE AND REPORT ANY ERRORS OR OMISSIONS TO THE CONTRACT ADMINISTRATOR & PRIME CONSULTANT BEFORE CONSTRUCTION
- D. DEVIATIONS ARE NOT PERMITTED UNLESS AUTHORIZED IN WRITING BY THE CONTRACT ADMINISTRATOR & PRIME CONSULTANT BEFORE CONSTRUCTION
- E. INSTALL SIGNS WITH TAMPER & RUST-RESISTANT SIGN MOUNTING HARDWARE IN 4 LOCATIONS ON EACH SIGN
- F. ALL SIGN MATERIAL TO BE WHITE BACKGROUND ALUMINUM ASTM 5052-H 38 0.081" (2mm) THICKNESS OR APPROVED EQUIVALENT
- G. CONTRACTOR TO SUPPLY & PLACE RETRO-REFLECTIVE MARKING AS SPACED AS SHOWN ON DETAIL 1.4 FENCE & GATE DETAIL:
- G.A. 3M 50mm DIAMOND GRADE DG REFLECTIVE SHEETING 4.084 OR 973-74 ORANGE 50mm WIDE OR;
- G.B. INCOM 50mm WIDE ORANGE OR;
- G.C. REFLEXITE V98 FLUORESCENT ORANGE OR FLUORESCENT LIME 50mm WIDE
- H. PAINT LEAD-FREE YELLOW ENNIS-FLINT LOW VOC SOLVENT-BASED TRAFFIC PAINT (OR EQUIVALENT HIGH-QUALITY TRAFFIC PAINT). CONTRACTOR MUST FOLLOW MANUFACTURER'S INSTRUCTIONS

5	ISSUED FOR ADDENDUM B	AW	08 OCT 24
4	ISSUED FOR TENDER	AW	09 SEP 24
3	ISSUED FOR BUILDING PERMIT	AW	31 JUL 24
2	GENERAL REVISIONS	AW	05 JUL 24
1	2ND ISSUE	AW	01 MAY 24
0	1ST ISSUE	AW	16 APR 24
REV.	DESCRIPTION	BY:	DATE:
STATUS:			

 <b>RG Heliservices Consulting Inc.</b>					
Cell 604-626-6834		<a href="mailto:ron.german@rgheliseservices.com">ron.german@rgheliseservices.com</a>			
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CLIENT: YORK REGIONAL POLICE					
ARCHITECT/ENGINEER:					
SITE: EAST GWILLIMBURY, ON					
TITLE: DETAILS					
SCALE AT ISO A1: NOTED	DATE: 23 MAR 24	DRAWN: AW	CHECKED: RG		
PROJECT NO: RGH224	DRAWING NO: H03	REVISION NO: 5			

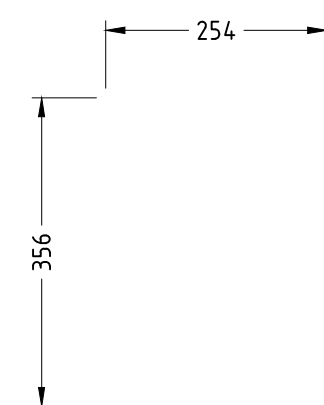




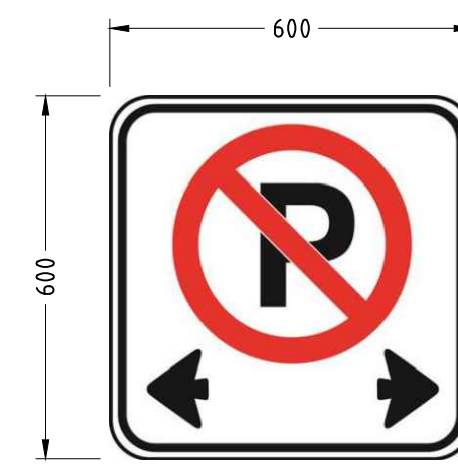
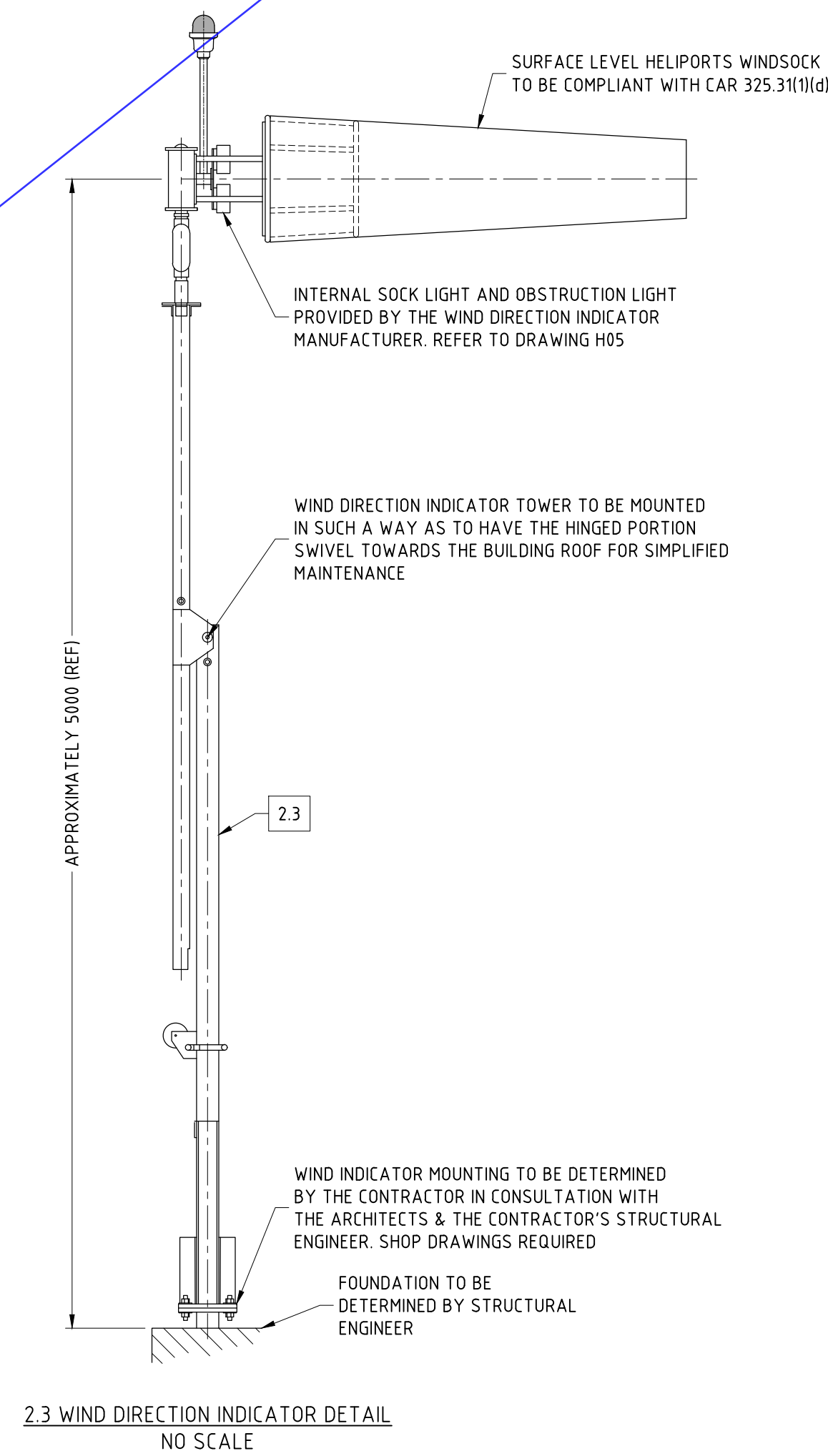
3.4 NO SMOKING/DANGER SIGN  
NO SCALE  
QTY REQUIRED SEE DRAWING H02  
REFER TO DETAIL 1.4 THIS PAGE  
AVAILABLE FROM AIR NAVIGATION PRODUCTS airnav24@shaw.ca



3.5 WARNING/ ROTOR WASH SIGN  
NO SCALE  
QTY REQUIRED SEE DRAWING H02  
REFER TO DETAIL 1.4 THIS PAGE  
AVAILABLE FROM AIR NAVIGATION PRODUCTS airnav24@shaw.ca



3.6 FIRE EXTINGUISHER SIGN  
NO SCALE  
QTY REQUIRED SEE DRAWING H02  
AVAILABLE LOCALLY



3.8 NO PARKING SIGN  
NO SCALE  
QTY REQUIRED SEE DRAWING H02  
REFER TO DETAIL 1.4 THIS PAGE  
Product Code: 11110194  
AVAILABLE FROM ATS TRAFFIC-ONTARIO atstraffic.ca

NOTES:  
ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE  
NOTED

CONFIRM EXISTENCE & EXACT LOCATION OF ALL OVERHEAD AND  
UNDERGROUND SERVICES FROM ENTITIES RESPONSIBLE BEFORE  
PROCEEDING WITH CONSTRUCTION

CONFIRM ALL EXISTING GRADES, LAYOUT, DIMENSIONS &  
MATERIALS ON SITE AND REPORT ANY ERRORS OR OMISSIONS  
TO THE CONTRACT ADMINISTRATOR & PRIME CONSULTANT  
BEFORE CONSTRUCTION

DEVIATIONS ARE NOT PERMITTED UNLESS AUTHORIZED IN  
WRITING BY THE CONTRACT ADMINISTRATOR & PRIME  
CONSULTANT BEFORE CONSTRUCTION

INSTALL SIGNS WITH TAMPER & RUST-RESISTANT SIGN  
MOUNTING HARDWARE IN 4 LOCATIONS ON EACH SIGN

ALL SIGN MATERIAL TO BE WHITE BACKGROUND ALUMINUM  
ASTM 5052-H 38 0.081" (2mm) THICKNESS OR APPROVED  
EQUIVALENT

CONTRACTOR TO SUPPLY & PLACE RETRO-REFLECTIVE  
MARKING AS SPACED AS SHOWN ON DETAIL 1.4 FENCE & GATE  
DETAIL:

3M 50mm DIAMOND GRADE DG REFLECTIVE SHEETING 4084  
OR 973-74 ORANGE 50mm WIDE OR;  
INCOM 50mm WIDE ORANGE OR;  
REFLEXITE V98 FLUORESCENT ORANGE OR FLUORESCENT  
LIME 50mm WIDE

PAINT LEAD-FREE YELLOW ENNIS-FLINT LOW VOC  
SOLVENT-BASED TRAFFIC PAINT (OR EQUIVALENT  
HIGH-QUALITY TRAFFIC PAINT). CONTRACTOR MUST FOLLOW  
MANUFACTURER'S INSTRUCTIONS

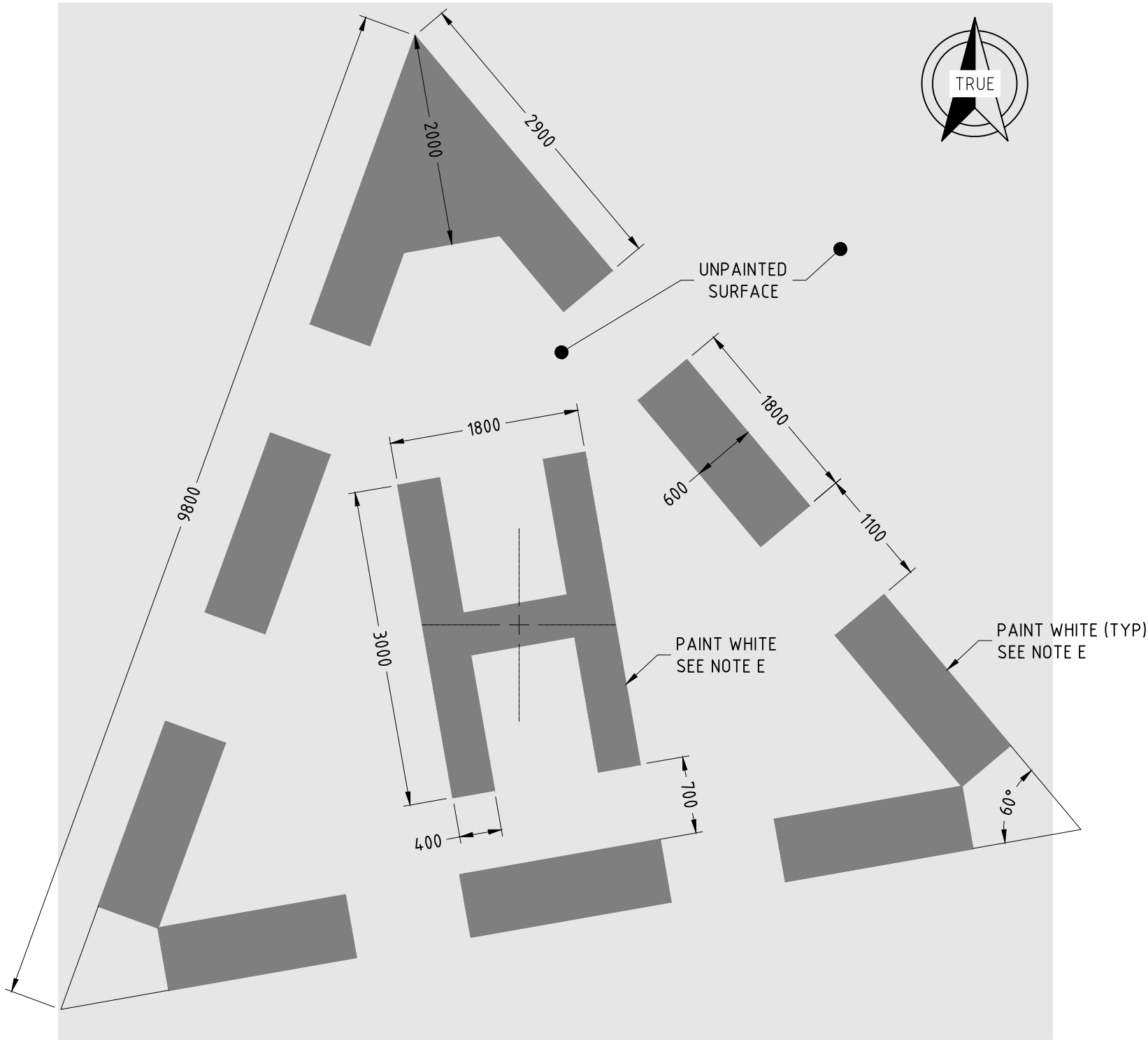
4	ISSUED FOR TENDER	AW	09 SEP 24
3	ISSUED FOR BUILDING PERMIT	AW	31 JUL 24
2	GENERAL REVISIONS	AW	05 JUL 24
1	2ND ISSUE	AW	01 MAY 24
0	1ST ISSUE	AW	16 APR 24
REV.	DESCRIPTION	BY:	DATE:
STATUS:			

 RGHservices Consulting Inc. Cell 604-626-6834 ron.german@rgheliservices.com			
CLIENT: YORK REGIONAL POLICE			
ARCHITECT/ENGINEER:			
SITE: EAST GWILLIMBURY, ON			
TITLE: DETAILS			
SCALE AT ISO A1: NOTED	DATE: 23 MAR 24	DRAWN: AW	CHECKED: RG
PROJECT NO: RGH224	DRAWING NO: H03	REVISION NO: 4	

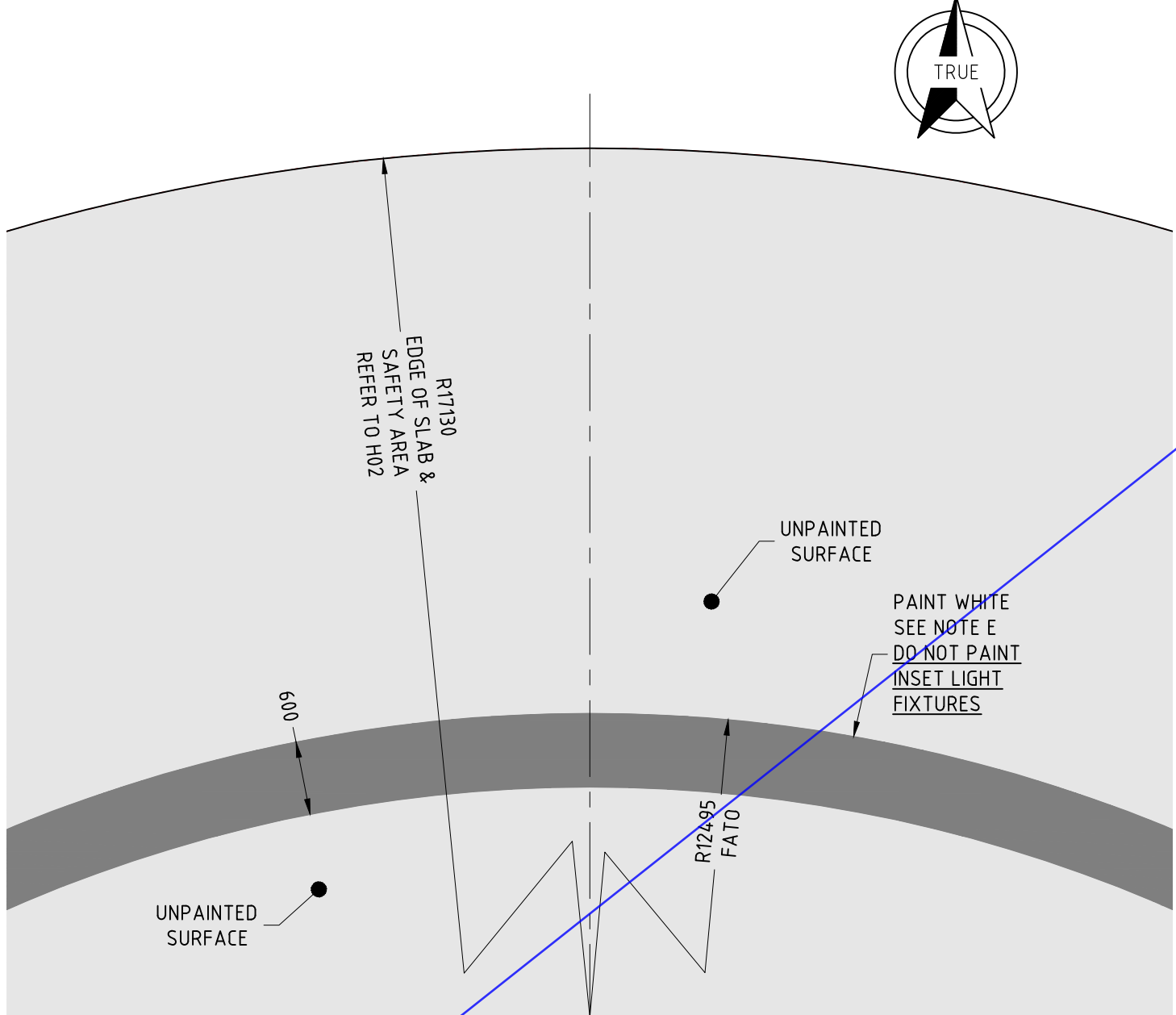




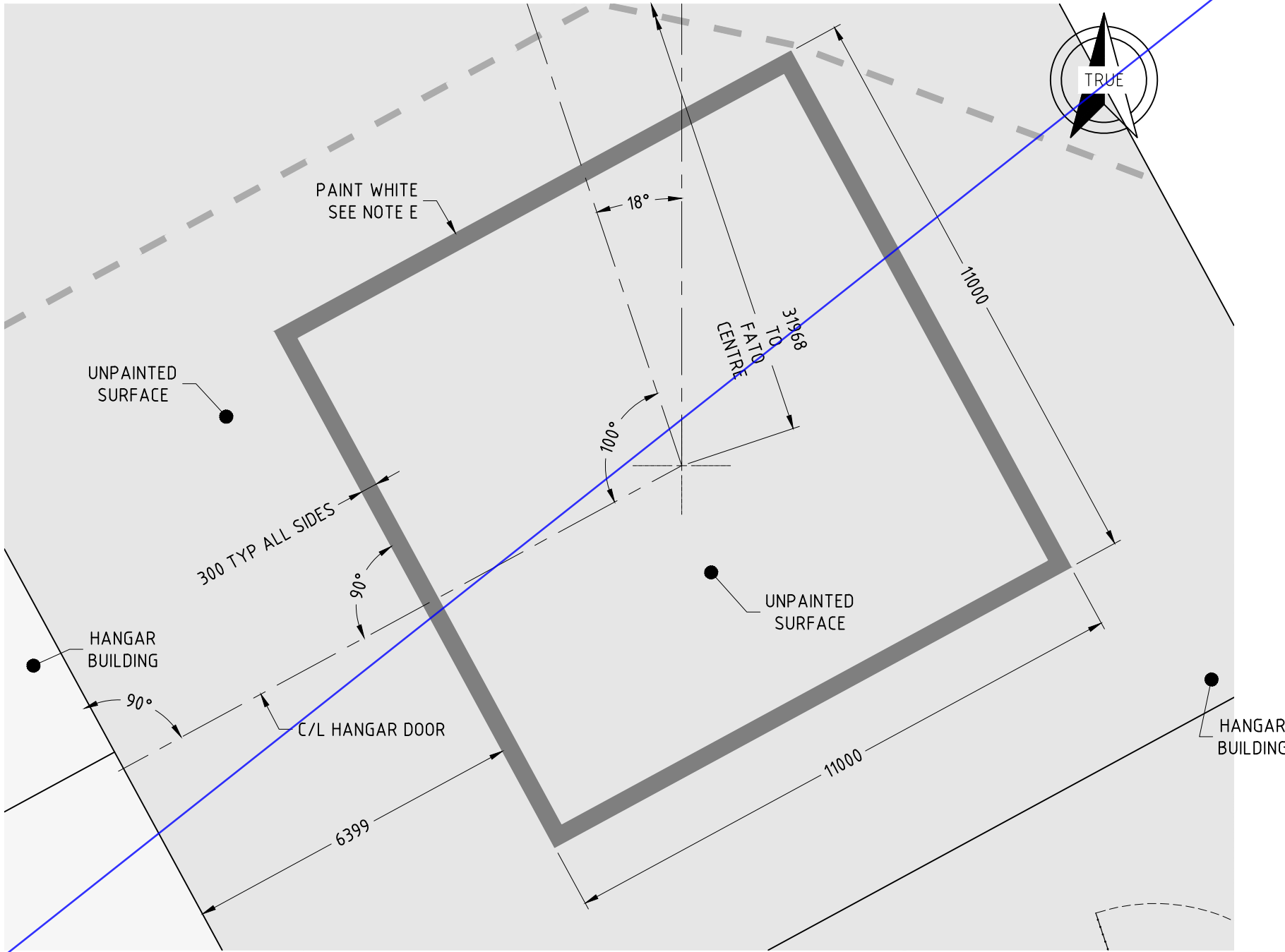




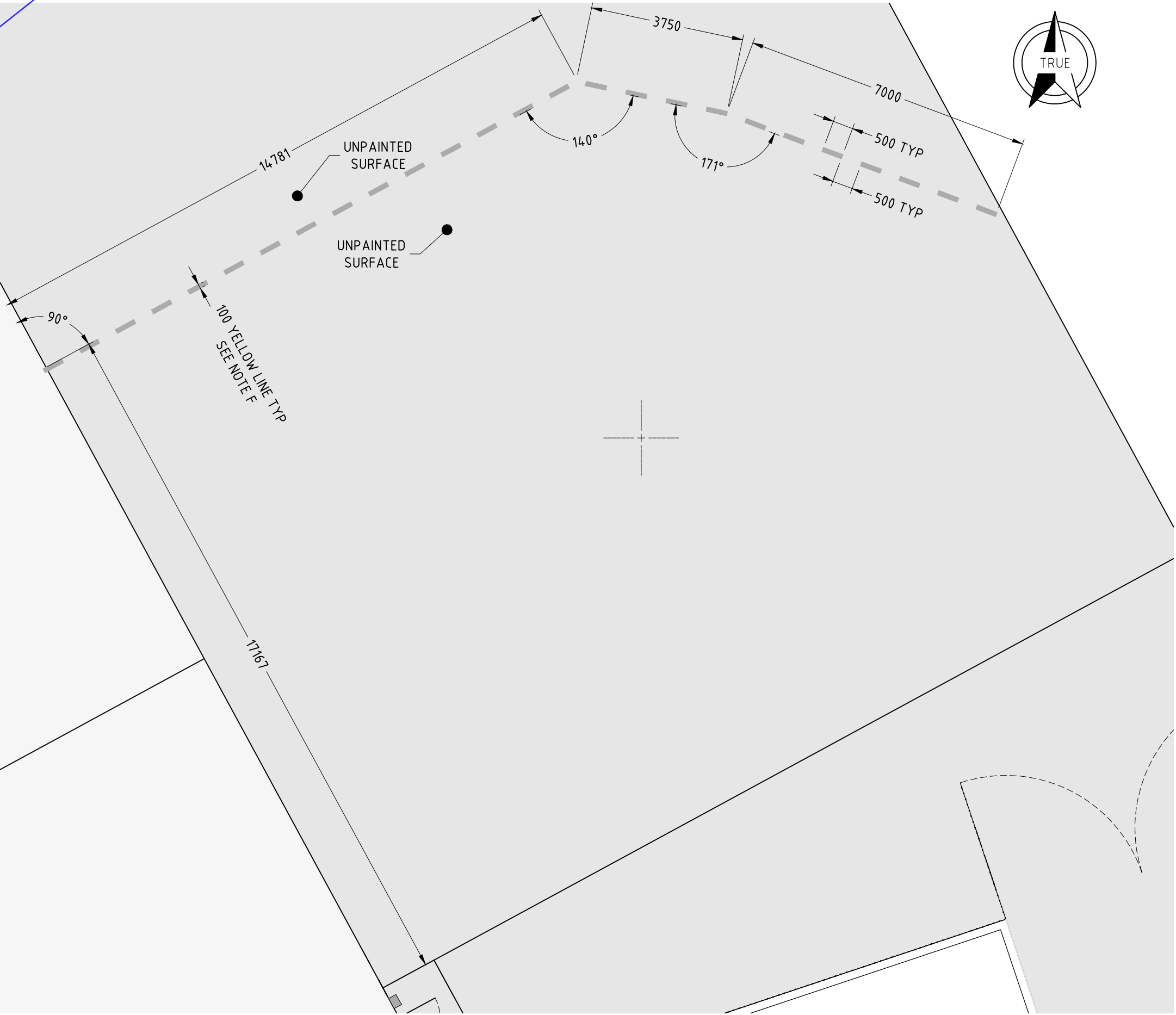
3.1 AIMING POINT MARKING - ALIGN TO MAGNETIC NORTH  
NO SCALE



3.2 FATO MARKING  
NO SCALE



3.9 WHITE PAVEMENT MARKING  
NO SCALE




3.3 PEDESTRIAN CAUTION MARKING  
NO SCALE

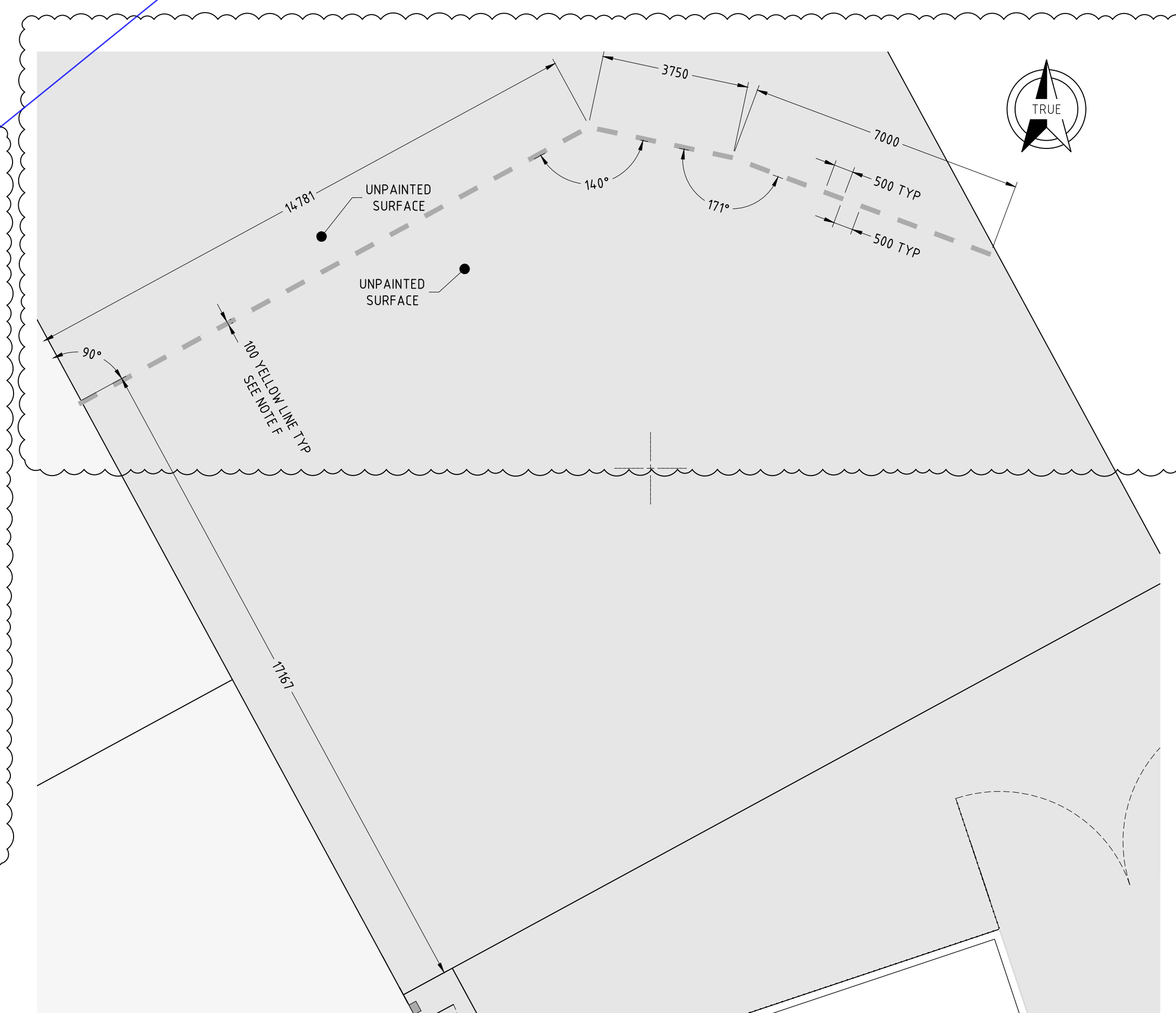
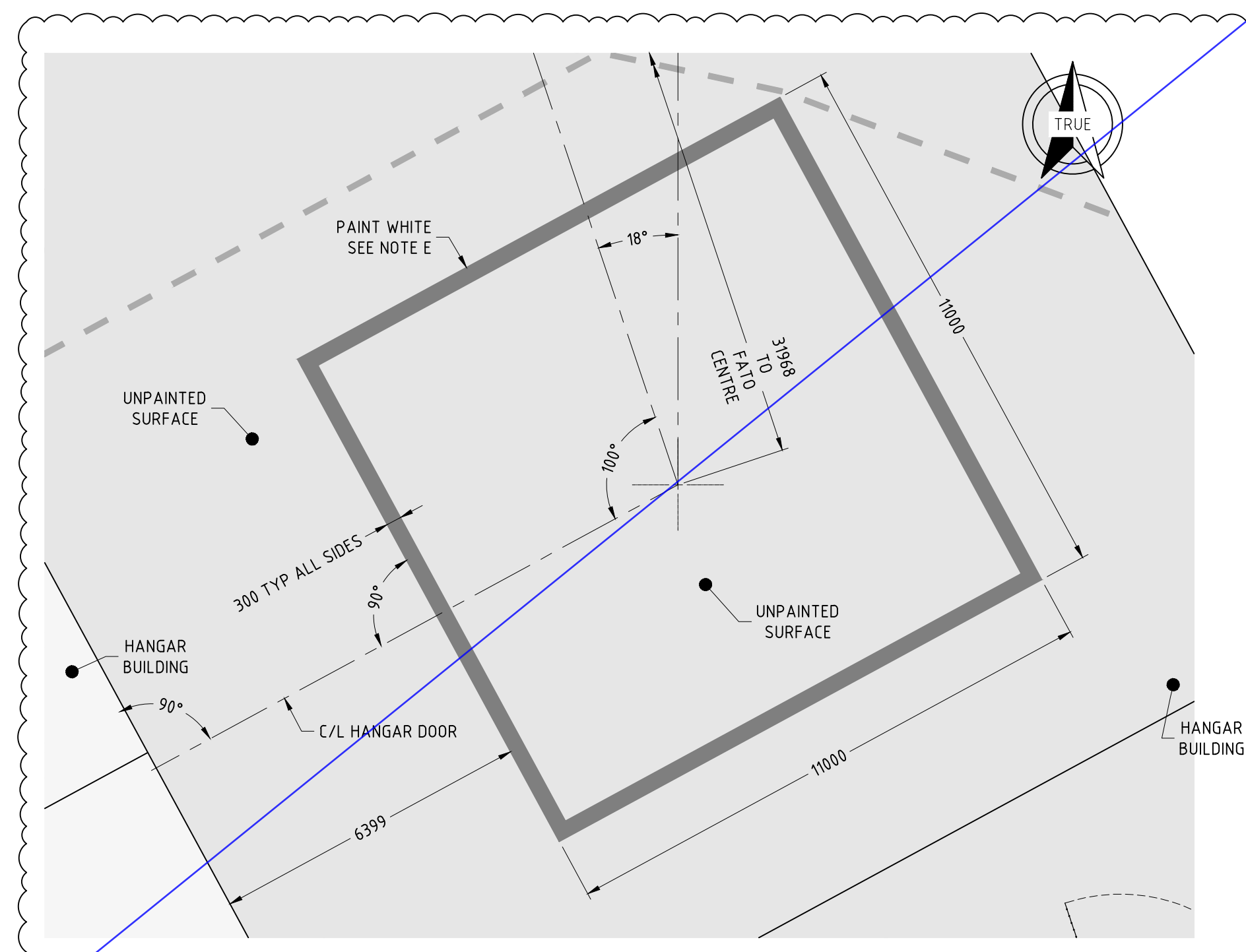
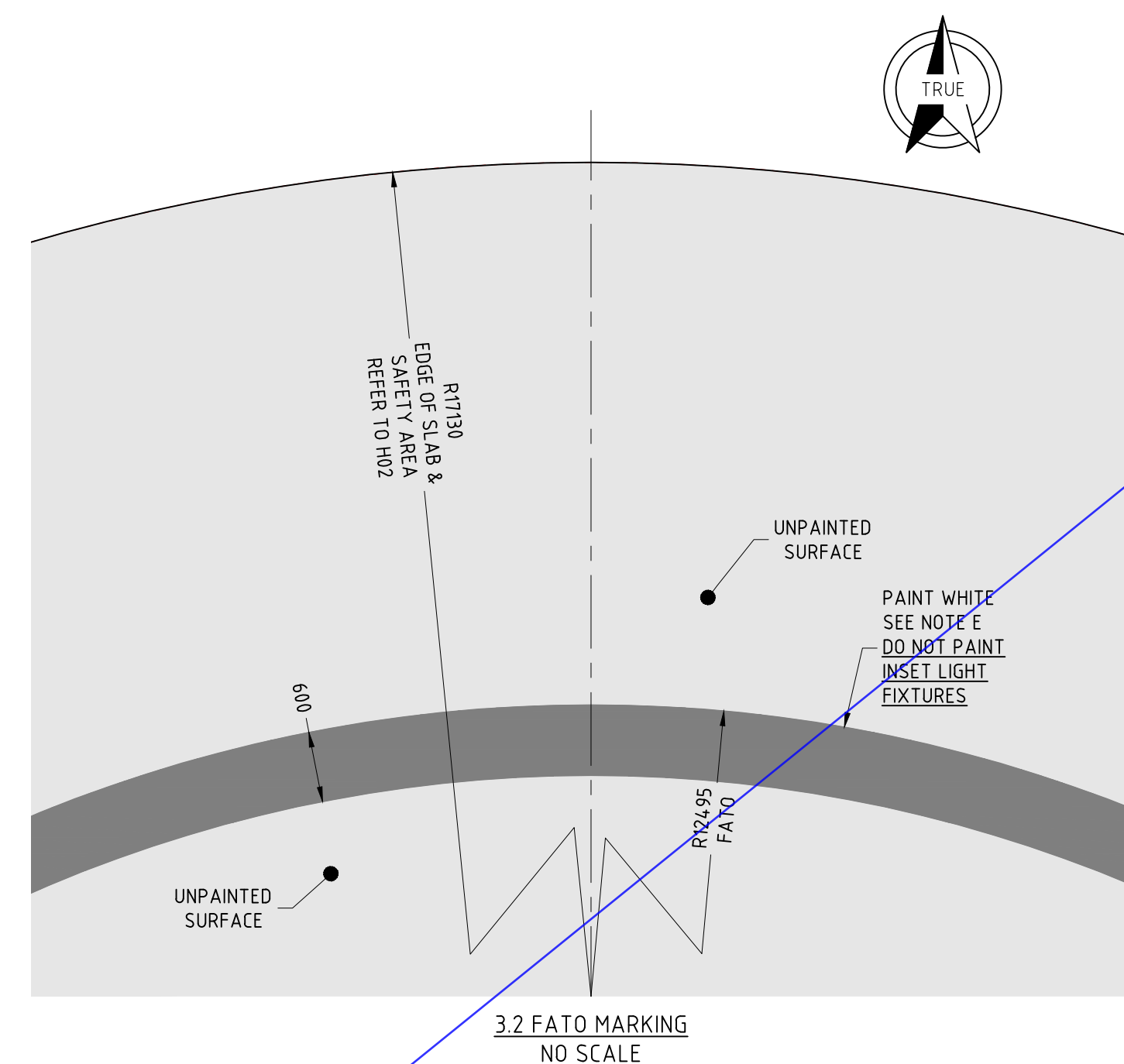
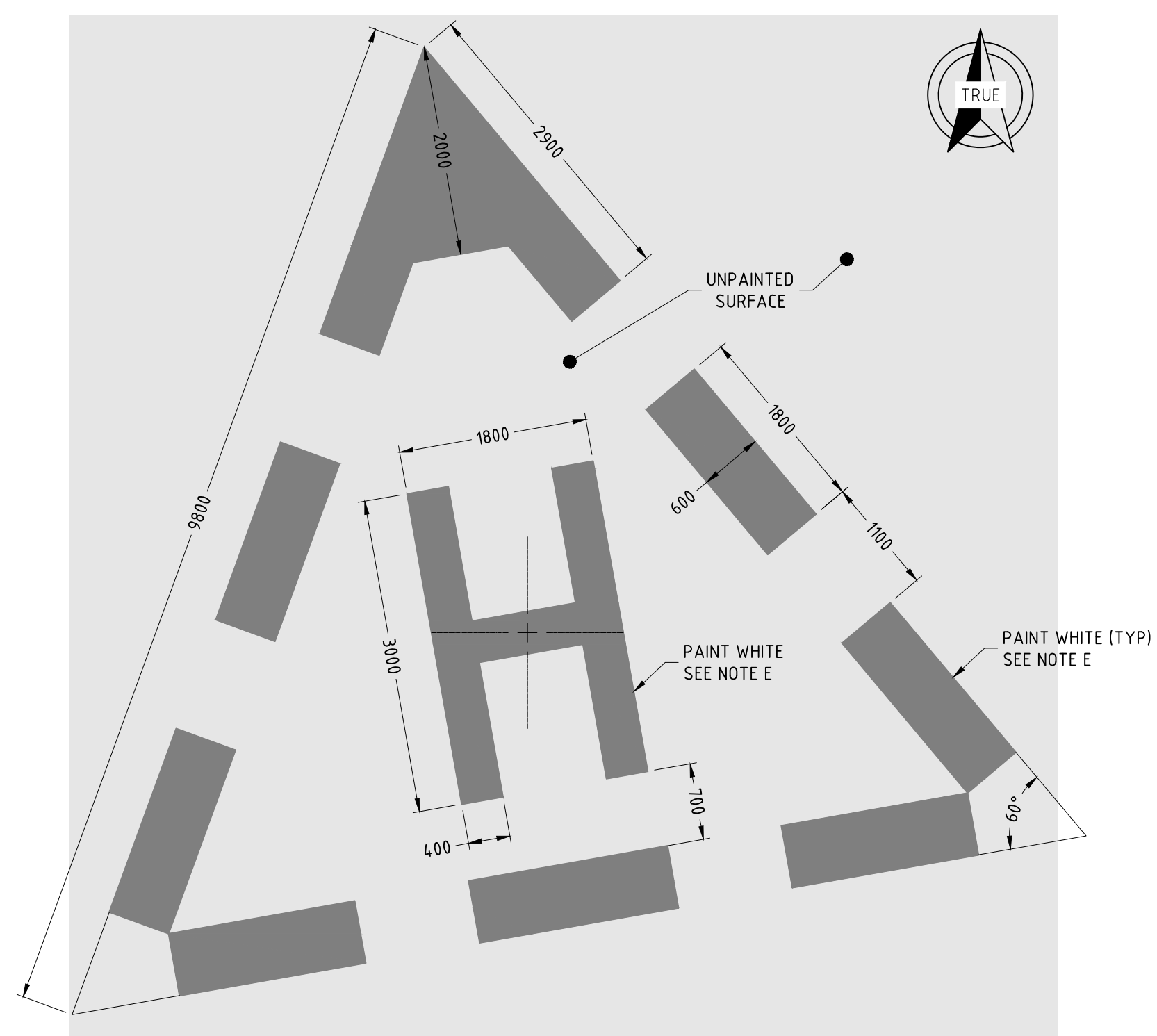
- NOTES:
- A. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED
  - B. CONFIRM EXISTENCE & EXACT LOCATION OF ALL OVERHEAD AND UNDERGROUND SERVICES FROM ENTITIES RESPONSIBLE BEFORE PROCEEDING WITH CONSTRUCTION
  - C. CONFIRM ALL EXISTING GRADES, LAYOUT, DIMENSIONS & MATERIALS ON SITE AND REPORT ANY ERRORS OR OMISSIONS TO THE CONTRACT ADMINISTRATOR & PRIME CONSULTANT BEFORE CONSTRUCTION
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  - F. PAINT LEAD-FREE YELLOW ENNIS-FLINT LOW VOC SOLVENT-BASED TRAFFIC PAINT (OR EQUIVALENT HIGH-QUALITY TRAFFIC PAINT). CONTRACTOR MUST FOLLOW MANUFACTURER'S INSTRUCTIONS

6	ISSUED FOR ADDENDUM B	ABO	08 OCT 24
5	ISSUED FOR TENDER	ABO	09 SEP 24
4	GENERAL REVISIONS	ABO	27 AUG 24
3	ISSUED FOR BUILDING PERMIT	ABO	31 JUL 24
2	GENERAL REVISIONS	ABO	05 JUL 24
1	2ND ISSUE	ABO	01 MAY 24
0	1ST ISSUE	ABO	16 APR 24
REV.	DESCRIPTION	BY:	DATE:

STATUS:


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CLIENT: YORK REGIONAL POLICE			
ARCHITECT/ENGINEER:			
SITE: EAST GWILLIMBURY, ON			
TITLE: DETAILS			
SCALE AT ISO A1:	DATE:	DRAWN:	CHECKED:
NOTED	23 MAR 24	ABO	RG
PROJECT NO:	DRAWING NO:	REVISION NO:	
RGH224	H04	6	



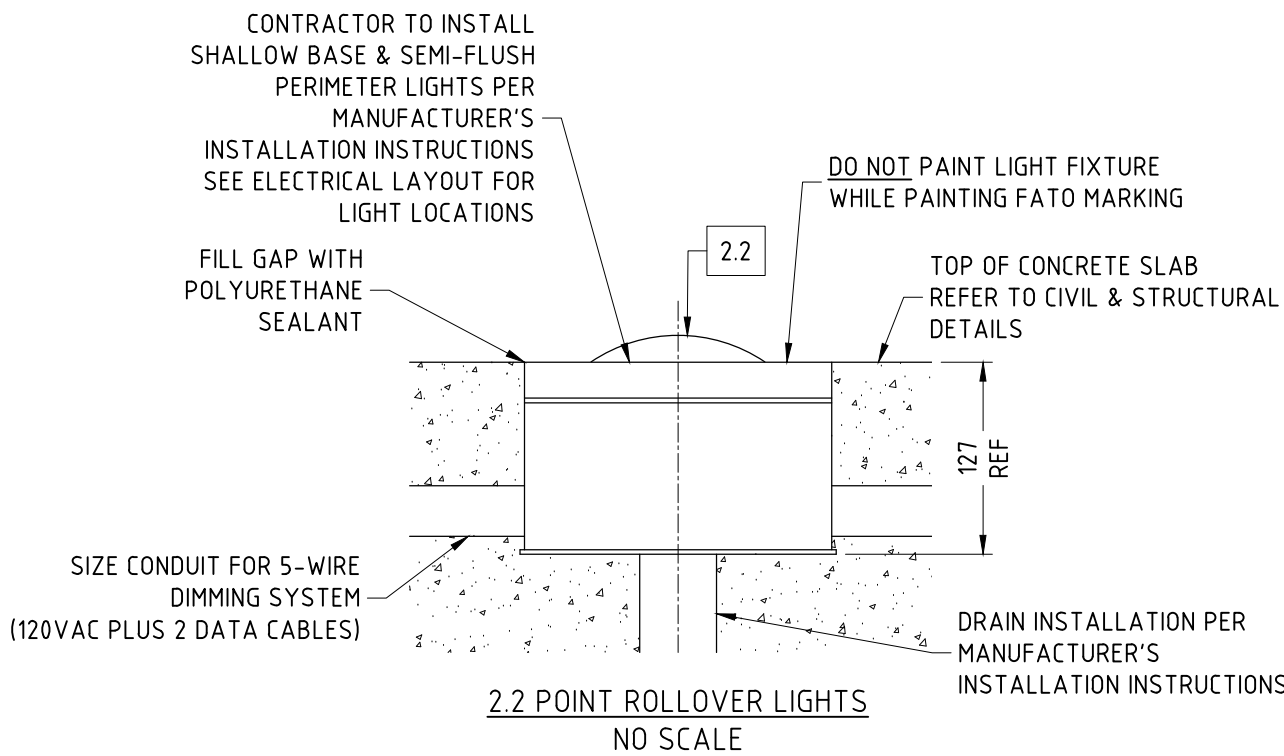
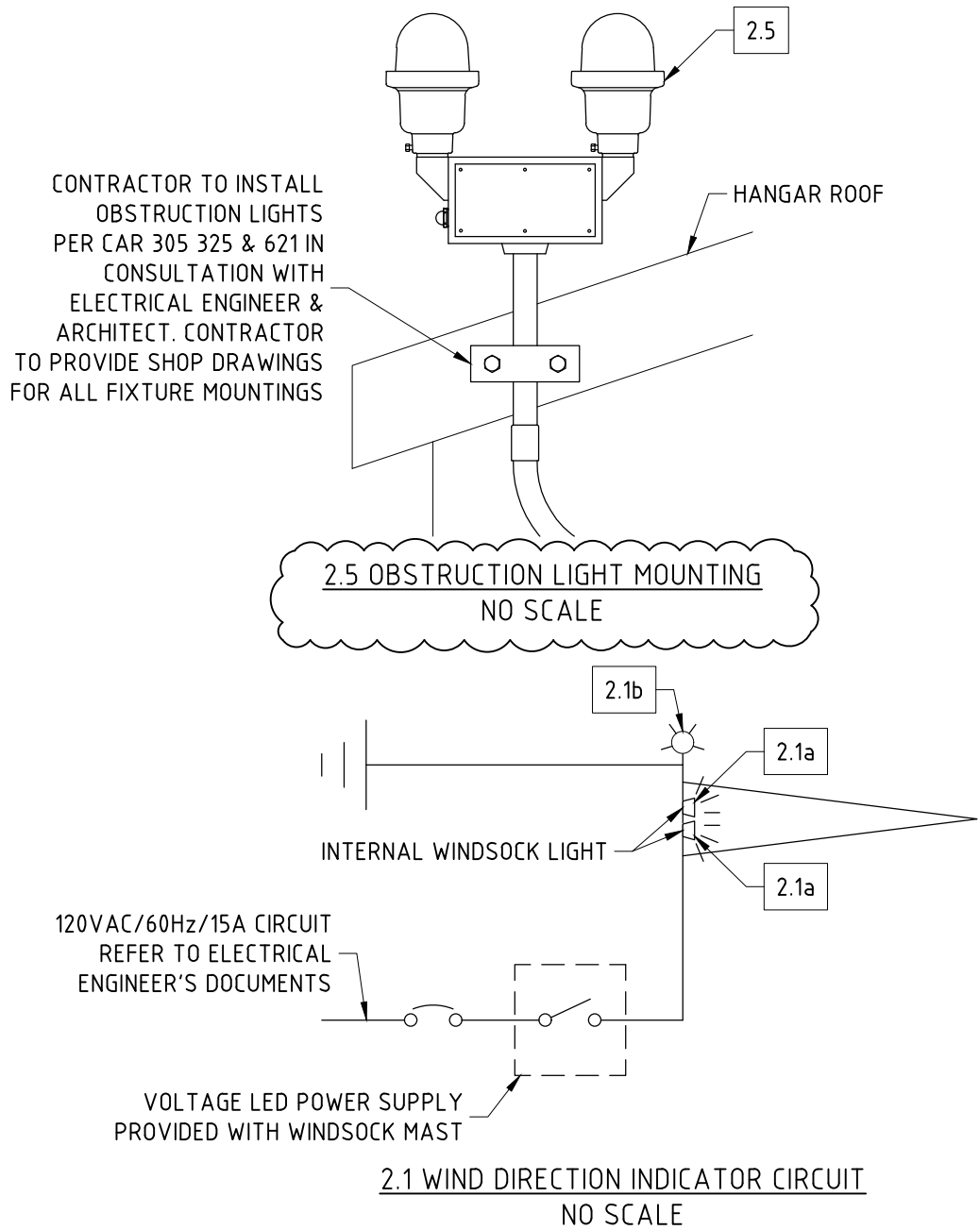
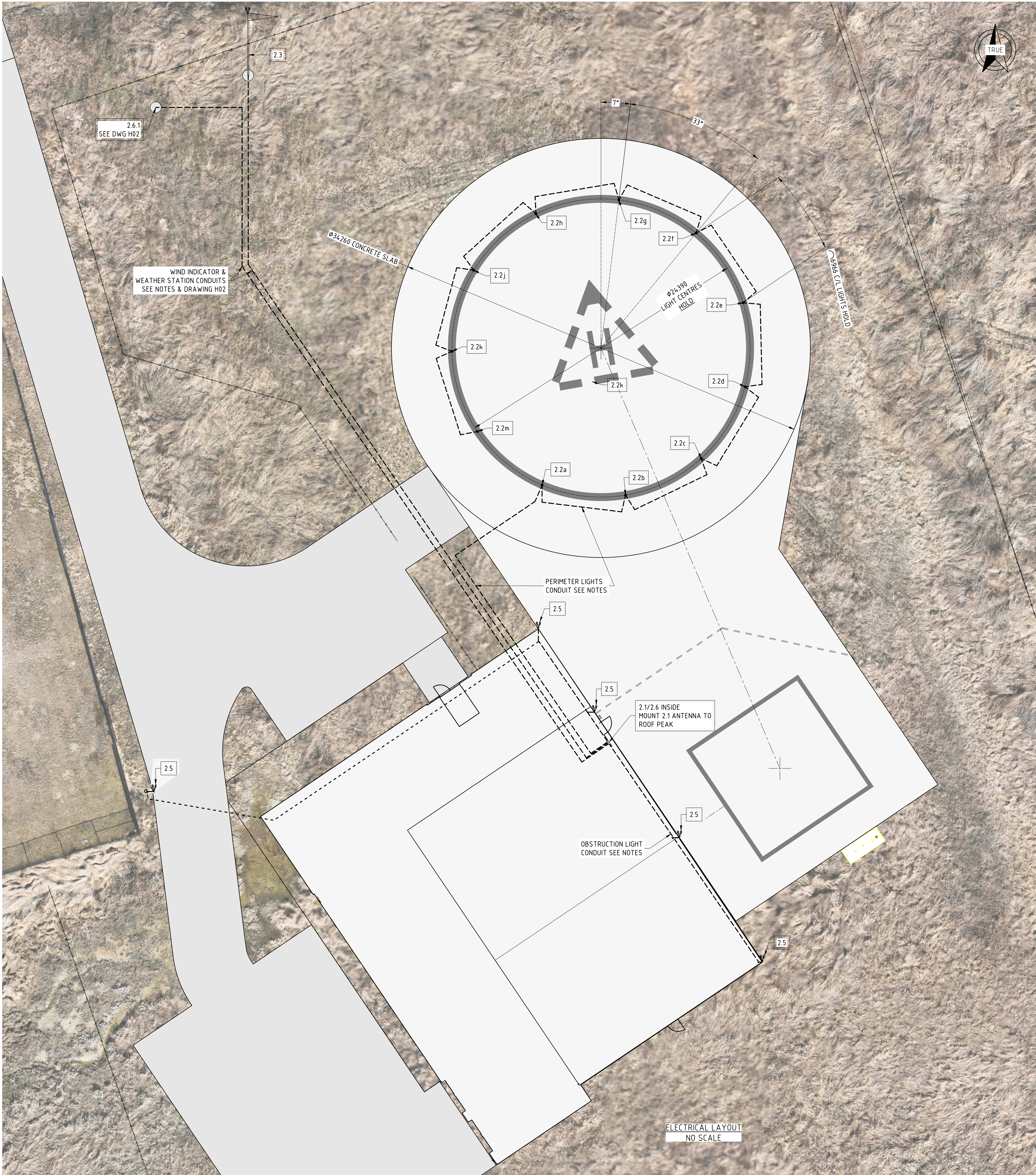


- NOTES:**
- A. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED
  - B. CONFIRM EXISTENCE & EXACT LOCATION OF ALL OVERHEAD AND UNDERGROUND SERVICES FROM ENTITIES RESPONSIBLE BEFORE PROCEEDING WITH CONSTRUCTION
  - C. CONFIRM ALL EXISTING GRADES, LAYOUT, DIMENSIONS & MATERIALS ON SITE AND REPORT ANY ERRORS OR OMISSIONS TO THE CONTRACT ADMINISTRATOR & PRIME CONSULTANT BEFORE CONSTRUCTION
  - D. DEVIATIONS ARE NOT PERMITTED UNLESS AUTHORIZED IN WRITING BY THE CONTRACT ADMINISTRATOR & PRIME CONSULTANT BEFORE CONSTRUCTION
  - E. PAINT LEAD-FREE WHITE ENNIS-FLINT LOW VOC SOLVENT-BASED TRAFFIC PAINT (OR EQUIVALENT HIGH-QUALITY TRAFFIC PAINT). CONTRACTOR MUST FOLLOW MANUFACTURER'S INSTRUCTIONS
  - F. PAINT LEAD-FREE YELLOW ENNIS-FLINT LOW VOC SOLVENT-BASED TRAFFIC PAINT (OR EQUIVALENT HIGH-QUALITY TRAFFIC PAINT). CONTRACTOR MUST FOLLOW MANUFACTURER'S INSTRUCTIONS

5	ISSUED FOR TENDER	NO	09 SEP 24
4	GENERAL REVISIONS	NO	27 AUG 24
3	ISSUED FOR BUILDING PERMIT	NO	31 JUL 24
2	GENERAL REVISIONS	NO	05 JUL 24
1	2ND ISSUE	NO	01 MAY 24
0	1ST ISSUE	NO	14 APR 24
REV: DESCRIPTION:		BY:	DATE
STATUS			

			
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CLIENT: YORK REGIONAL POLICE			
ARCHITECT/ENGINEER:			
SITE: EAST GWILLIMBURY, ON			
TITLE: DETAILS			
SCALE TO ISO A1 NOTED	DATE: 23 MAR 24	DRAWN: <i>KW</i>	CHECKED: <i>RJ</i>
PROJECT NO: RG244	DRAWING NO: H04	REVISION NO: 5	






- NOTES:
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED
  - CONFIRM EXISTENCE & EXACT LOCATION OF ALL OVERHEAD AND UNDERGROUND SERVICES FROM ENTITIES RESPONSIBLE BEFORE PROCEEDING WITH CONSTRUCTION
  - CONFIRM ALL EXISTING GRADES, LAYOUT, DIMENSIONS & MATERIALS ON SITE AND REPORT ANY ERRORS OR OMISSIONS TO THE CONTRACT ADMINISTRATOR & PRIME CONSULTANT BEFORE CONSTRUCTION
  - DEVIATIONS ARE NOT PERMITTED UNLESS AUTHORIZED IN WRITING BY THE CONTRACT ADMINISTRATOR & PRIME CONSULTANT BEFORE CONSTRUCTION
  - ELECTRICAL ENGINEER TO DETERMINE LOCATION AND DEPTH OF ALL UNDERGROUND CONDUIT REFER TO ELECTRICAL ENGINEER'S DOCUMENTS
  - ALL UNDERGROUND CONDUIT TO BE SIZED TO PERMIT THE NUMBER OF CONDUCTORS TO ALLOW FOR DIMMING CONTROL OF ALL PERIMETER LIGHTS, TECK CABLE PERMISSIBLE IF APPROVED BY THE ELECTRICAL ENGINEER. CONDUIT SIZE & MATERIAL PER ELECTRICAL ENGINEER'S DOCUMENTS
  - ALL ITEMS LISTED IN THE AVIATION LIGHTING EQUIPMENT SCHEDULE ARE AVAILABLE FROM AIR NAVIGATION PRODUCTS sales.airnav24@shaw.ca

7	ISSUED FOR ADDENDUM 15	AW	30 NOV 24
6	ISSUED FOR ADDENDUM 3	AW	23 SEP 24
5	ISSUED FOR TENDER	AW	09 SEP 24
4	REVISED AVIATION LIGHTING EQUIPMENT	AW	21 AUG 24
3	ISSUED FOR BUILDING PERMIT	AW	31 JUL 24
2	GENERAL REVISIONS	AW	05 JUL 24
1	2ND ISSUE	AW	01 MAY 24
0	1ST ISSUE	AW	16 APR 24
REV.	DESCRIPTION	BY:	DATE:
STATUS:			

AVIATION LIGHTING EQUIPMENT SCHEDULE					
WORK #	ITEM	MANUFACTURER	PART/SKU #	DESCRIPTION	QTY
2.1	HELIPORT LIGHTING CONTROLLER W/ TOUCHSCREEN	POINT LIGHTING CORPORATION	PHC-66002-AC-RC3-A10	VHF RADIO LIGHTING CONTROLLER FOR VARIABLE INTENSITY LED PERIMETER LIGHTS AT 35-60-100% STEPS AS REQUIRED BY TRANSPORT CANADA; 3-5-7 MICROPHONE CLICKS WITH 15 MINUTE ON/OFF TIMER; 120VAC/1 PHASE/60HZ INPUT & OUTPUT; 100 FT ANTENNA CABLE; MOUNT ANTENNA TO HANGAR ROOF	1
2.1a	GROUND TO AIR VHF TRANSCEIVER	ICOM	IC-A16	VHF AIR BAND TRANSCEIVER WITH; BATTERY PACK; RAPID CHARGER; AC ADAPTER; ANTENNA; BELT CLIP; HAND STRAP	1
2.2	POINT ROLLOVER LIGHTS	POINT LIGHTING CORPORATION	PRL-97004-1C-G-VB-NC	POINT ROLLOVER LIGHTS; HELIPORT INSET LIGHT; 120VAC/1 PHASE/60HZ; NVG COMPATIBLE; GREEN; VARIABLE INTENSITY; SHALLOW BASE & GASKET	11
2.2a	SPARES POINT ROLLOVER LIGHTS	POINT LIGHTING CORPORATION	PRL-97004-1C-G-VB-NC	POINT ROLLOVER LIGHTS; HELIPORT INSET LIGHT; 120VAC/1 PHASE/60HZ; NVG COMPATIBLE; GREEN; VARIABLE INTENSITY; NO BASE	2
2.3	WIND DIRECTION INDICATOR	MILLARD TOWERS	CUSTOM ORDER 4.5m MAST	COLLAPSIBLE 4.5m WINDSOCK MAST W/JB MOUNT, BASE MOUNT, WINDSOCK ASSY - 100-240VAC 600MM WIND CONE R/W CSA, OBSTRUCTION LIGHT ASSY; INTERNAL SOCK LIGHT ASSY; REFER TO DRAWING H04	1
2.5	DUAL OBSTRUCTION LIGHT	POINT LIGHTING CORPORATION	POL-21005-1B-R-10B-D-NC	INTENTIONALLY LEFT BLANK DUAL OBSTRUCTION LIGHT CL810 NVG COMPATIBLE STEADY-BURNING RED 120VAC 1in BOTTOM MOUNT ETL TC	5



RGHservices Consulting Inc

Cell 604-626-6834 ron.german@rghservices.com

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ARCHITECT/ENGINEER:

SITE: EAST GWILLIMBURY, ON

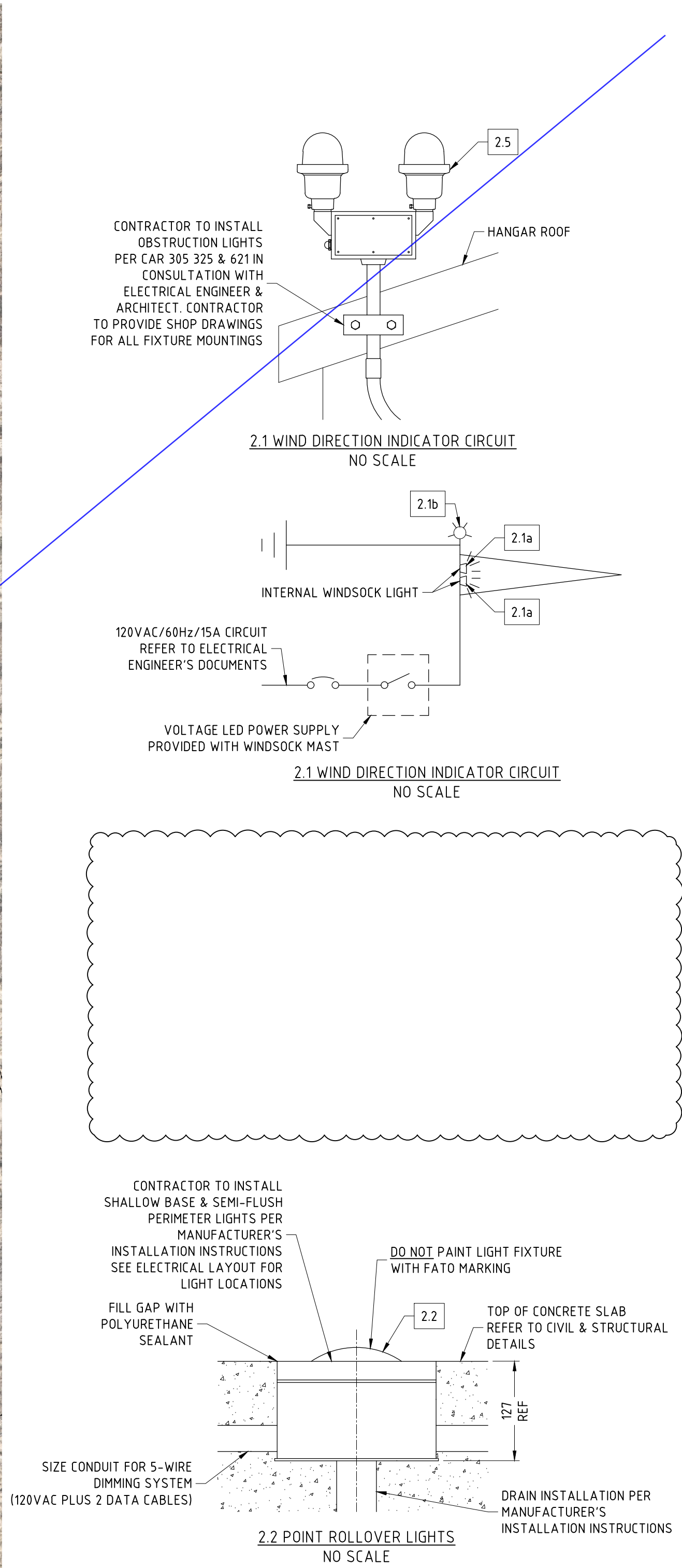
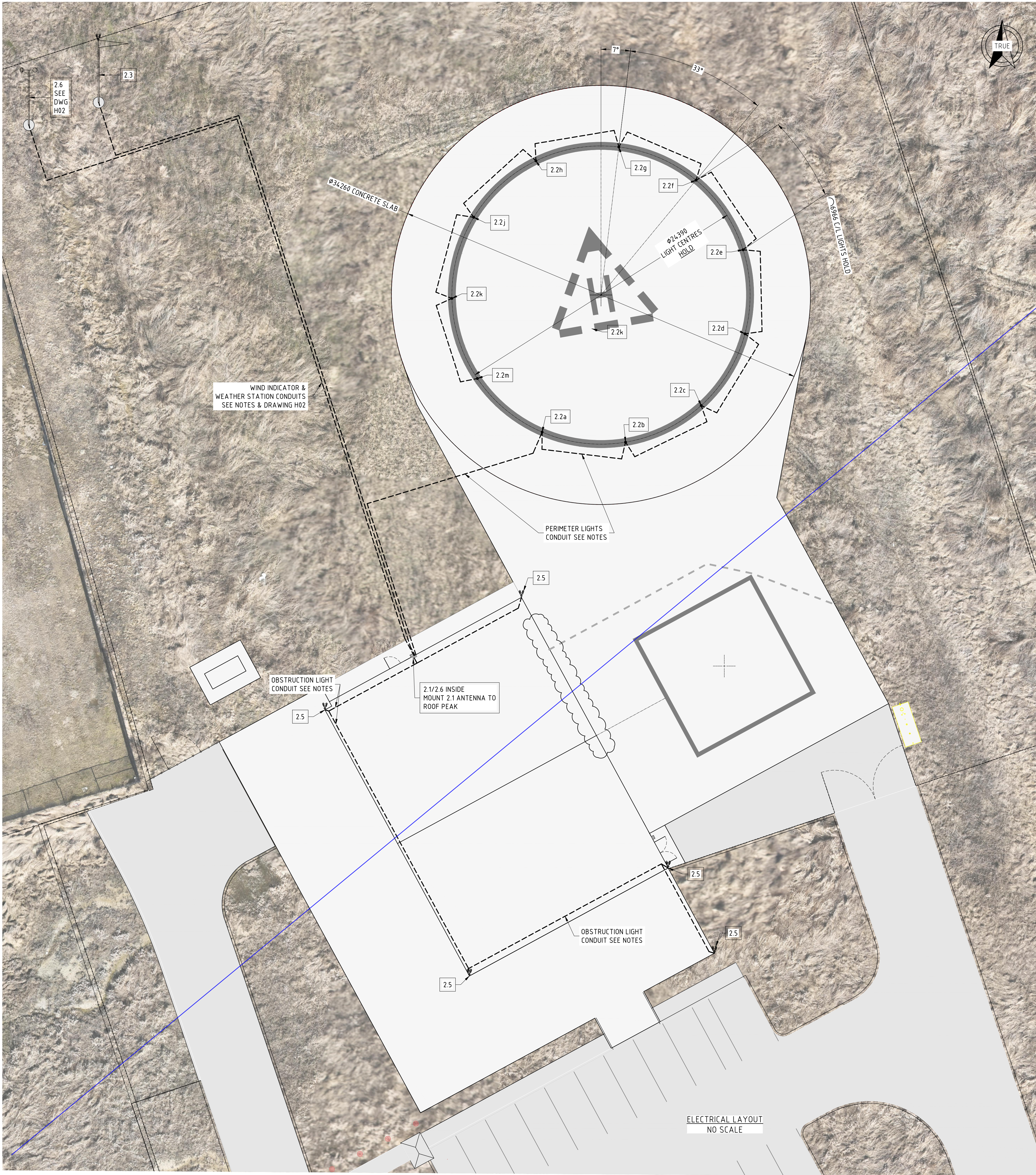
TITLE: ELECTRICAL LAYOUT

SCALE AT ISO A1: NONE	DATE: 23 MAR 24	DRAWN: RW	CHECKED: RG
PROJECT NO: RGH224	DRAWING NO: H05	REVISION NO: 7	









AVIATION LIGHTING EQUIPMENT SCHEDULE				
WORK NO.	ITEM	MANUFACTURER	PART/SKU NO.	DESCRIPTION
2.1	HELIPORT LIGHTING CONTROLLER W/ TOUCHSCREEN	POINT LIGHTING CORPORATION	PHC-66002-AC-R C3-A10	VHF RADIO LIGHTING CONTROLLER FOR VARIABLE INTENSITY LED PERIMETER LIGHTS AT 35-60-100% STEPS AS REQUIRED BY TRANSPORT CANADA; 3-5-7 MICROPHONE CLICKS WITH 15 MINUTE ON/OFF TIMER; 120VAC/1 PHASE/60HZ INPUT & OUTPUT; 100 FT ANTENNA CABLE; MOUNT ANTENNA TO HANGAR ROOF
2.1a	GROUND TO AIR VHF TRANSCEIVER	ICOM	IC-A16	VHF AIR BAND TRANSCEIVER WITH; BATTERY PACK; RAPID CHARGER; AC ADAPTER; ANTENNA; BELT CLIP; HAND STRAP
2.2	POINT ROLLOVER LIGHTS	POINT LIGHTING CORPORATION	PRL-97004-1C-G -VB-PLS-NC	POINT ROLLOVER LIGHTS; HELIPORT INSET LIGHT; 120VAC/1 PHASE/60HZ; NVG COMPATIBLE; GREEN; VARIABLE INTENSITY; SHALLOW BASE & GASKET
2.2a	SPARES POINT ROLLOVER LIGHTS	POINT LIGHTING CORPORATION	PRL-97004-1C-G -VB-NC	POINT ROLLOVER LIGHTS; HELIPORT INSET LIGHT; 120VAC/1 PHASE/60HZ; NVG COMPATIBLE; GREEN; VARIABLE INTENSITY; NO BASE
2.3	WIND DIRECTION INDICATOR	MILLARD TOWERS	CUSTOM ORDER	COLLAPSIBLE 4.5M WINDSOCK MAST W/1B MOUNT, BASE MOUNT, WINDSOCK ASSY - 100-240VAC 600MM WIND CONE R/W CSA, OBSTRUCTION LIGHT ASSY; INTERNAL SOCK LIGHT ASSY; REFER TO DRAWING H04
2.4				INTENTIONALLY LEFT BLANK
2.5	DUAL OBSTRUCTION LIGHT	POINT LIGHTING CORPORATION	POL-21005-1B-R-10B-D-NC	DUAL OBSTRUCTION LIGHT CL810 NVG COMPATIBLE STEADY-BURNING RED 120VAC 1in BOTTOM MOUNT ETL TC

NOTES:

ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED

CONFIRM EXISTENCE & EXACT LOCATION OF ALL OVERHEAD AND UNDERGROUND SERVICES FROM ENTITIES RESPONSIBLE BEFORE PROCEEDING WITH CONSTRUCTION

CONFIRM ALL EXISTING GRADES, LAYOUT, DIMENSIONS & MATERIALS ON SITE AND REPORT ANY ERRORS OR OMISSIONS TO THE CONTRACT ADMINISTRATOR & PRIME CONSULTANT BEFORE CONSTRUCTION


DEVIATIONS ARE NOT PERMITTED UNLESS AUTHORIZED IN WRITING BY THE CONTRACT ADMINISTRATOR & PRIME CONSULTANT BEFORE CONSTRUCTION

ELECTRICAL ENGINEER TO DETERMINE LOCATION AND DEPTH OF ALL UNDERGROUND CONDUIT REFER TO ELECTRICAL ENGINEER'S DOCUMENTS

ALL UNDERGROUND CONDUIT TO BE SIZED TO PERMIT THE NUMBER OF CONDUCTORS TO ALLOW FOR DIMMING CONTROL OF ALL PERIMETER LIGHTS, TECK CABLE PERMISSIBLE IF APPROVED BY THE ELECTRICAL ENGINEER. CONDUIT SIZE & MATERIAL PER ELECTRICAL ENGINEER'S DOCUMENTS

ALL ITEMS LISTED IN THE AVIATION LIGHTING EQUIPMENT SCHEDULE ARE AVAILABLE FROM AIR NAVIGATION PRODUCTS sales.airnav24@shaw.ca

5	ISSUED FOR TENDER	AW	09 SEP 24
4	REVISED AVIATION LIGHTING EQUIPMENT	AW	27 AUG 24
3	ISSUED FOR BUILDING PERMIT	AW	31 JUL 24
2	GENERAL REVISIONS	AW	05 JUL 24
1	2ND ISSUE	AW	01 MAY 24
0	1ST ISSUE	AW	16 APR 24

REV.	DESCRIPTION	BY.	DATE.
	STATUS:		
	 RGHservices Consulting Inc. Cell 604-626-6834 ron.german@rghservices.com		
	CLIENT:		YORK REGIONAL POLICE
	ARCHITECT/ENGINEER:		
	SITE:		EAST GWILLIMBURY, ON
	TITLE:		ELECTRICAL LAYOUT
	SCALE AT ISO A1:	DATE:	DRAWN:
	NONE	23 MAR 24	KW
	PROJECT NO:	DRAWING NO:	CHECKED:
	RGH224	H05	RQ
			REVISION NO:
			5