

B PARTIAL PILING PLAN - OVERHEAD TRELLIS

1. COORDINATE PILE LOCATIONS WITH ARCH. DRAWINGS.

PILE SCHEDULE (FACTORED LOADS)

HORIZONTAL (kN) UPLIFT (kN) REMARKS 16 PILES - OVERHEAD TRELLIS FROST BY GEOTECH 4 PILES - ORNAMENTAL LIGHT FROST BY GEOTECH **FEATURE** 

SEE NOTE 1

1. STUDS TO BE SPACED MAX. 25mm

FROM EDGE OF PILE SHAFT.

SPACING OF STUDS TO AVOID

CONFLICTS WITH REINFORCING

COORDINATE POSITION AND

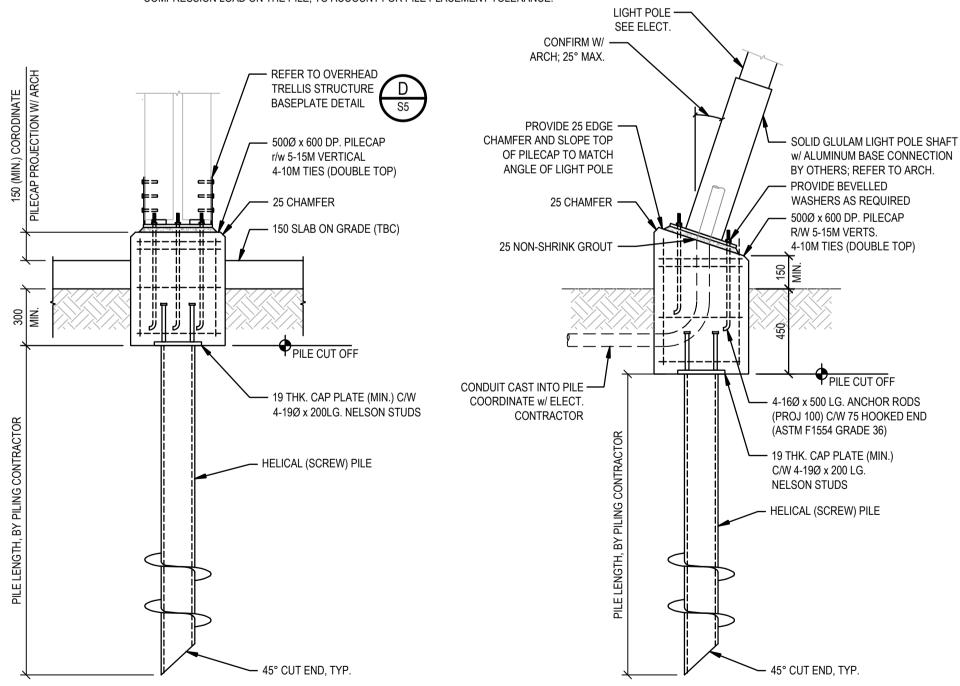
AND ANCHOR RODS.

CENTRE PILES UNDER COLUMNS, U.N.O.

1. COORDINATE PILE LOCATIONS WITH ARCH. DRAWINGS.

Vf (HORIZONTAL LOAD) IS APPLIED AT THE TOP OF THE PILE.

PILES TO BE DESIGNED FOR MINIMUM MOMENT AT THE TOP OF PILE EQUAL TO 75mm x THE COMPRESSION LOAD ON THE PILE, TO ACCOUNT FOR PILE PLACEMENT TOLERANCE.



## OVERHEAD TRELLIS PILES - ELEVATION **SCREW PILE**

NOTES:

1. PILE LOADS INDICATED ON PILE SCHEDULE. 2. PILE DESIGN BY PILING CONTRACTOR. DESIGN TO INDICATE PILE SHAFT SIZE, PILE LENGTH, HELICAL PLATE SIZE (MIN.9.5mm) & NUMBER, & PILE LOAD CAPACITY. DESIGN TO FOLLOW PARAMETERS INDICATED IN GEOTECHNICAL REPORT. DESIGN TO BE SUBMITTED FOR REVIEW.

ORNAMENTAL LIGHT FEATURE PILES - ELEVATION

3. CAP PLATE SEE SCHEDULE OR DETAILS, SUPPLIED & INSTALLED BY GENERAL CONTRACTOR. 4. PILE CUTOFF DETERMINED BY CONTRACTOR BASED UPON SUPPORTED FDN. DEPTHS ABOVE. PILE CUTOFF NOTED ON PLANS WHERE SPECIFIC REQUIREMENTS TO BE MET OR CLARIFIED. 5. SEE GENERAL NOTES ON S1 FOR ADDITIONAL REQUIREMENTS.

6. PILE WALL THICKNESSES TO BE DESIGNED FOR MINIMUM 25 YEAR SERVICE LIFE (ASSUMING CORROSION RATE OF 15µM/YEAR) OR BE HOT-DIP GALVANIZED.

7. ALL ANCHOR RODS SHALL BE PLACED BEFORE CONCRETE IS POURED. TEMPLATES SHALL BE USED TO ENSURE CORRECT PLACEMENT OF ANCHOR RODS.

8. PILECAPS SHALL BE FORMED WITH A SEAMLESS FIBRE FORM A MANUFACTURED BY SONOCO PRODUCTS COMPANY OR ACCEPTED ALTERNATE. EXPOSED PORTION OF PILECAP ABOVE FINISH GRADE SHALL PROVIDE A QUALITY FINISH FREE OF VOIDS OR MAJOR DEFECTS SUCH AS HONEYCOMBING.

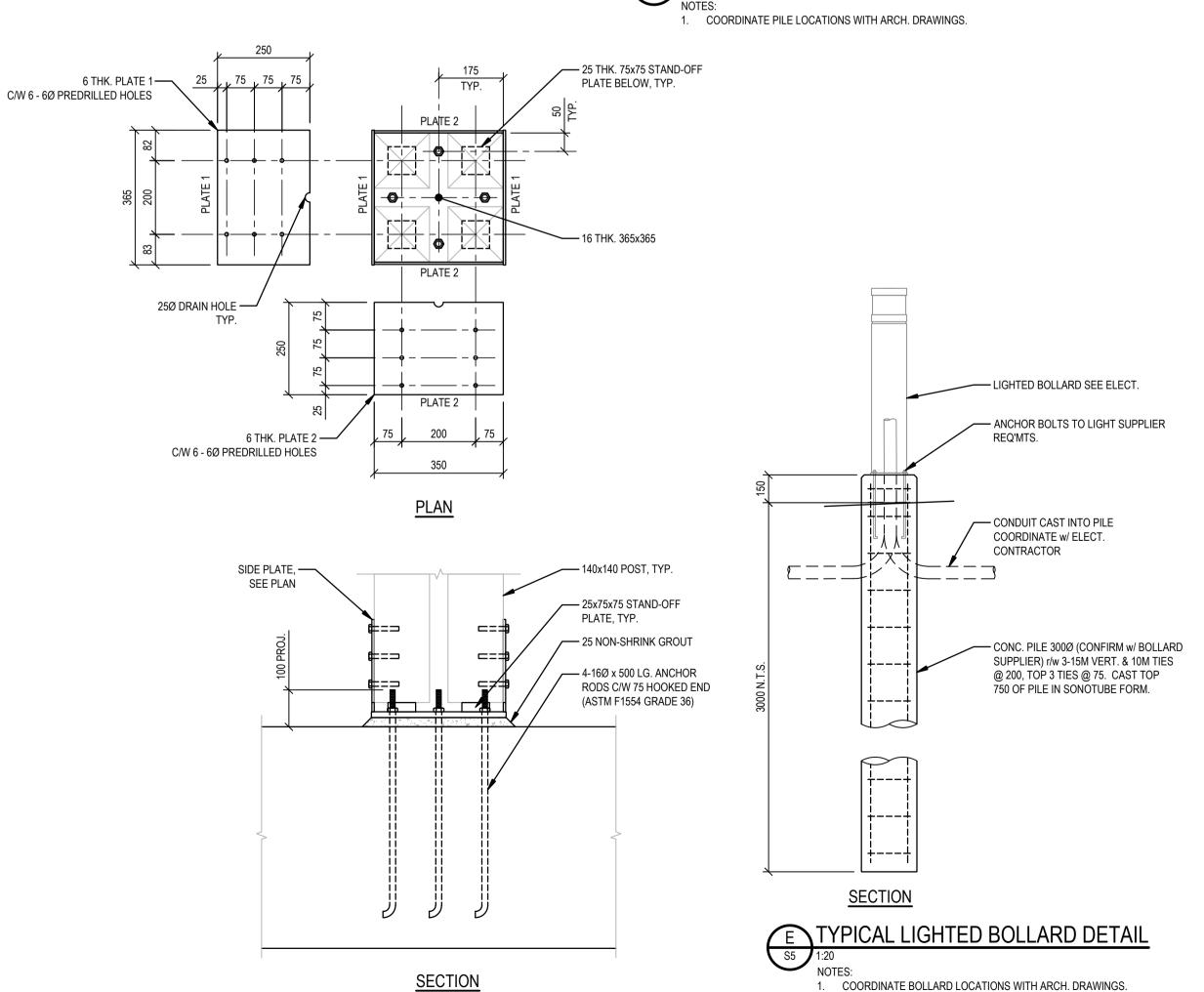
C PARTIAL PILING PLAN - ORNAMENTAL LIGHT FEATURE 1. COORDINATE PILE LOCATIONS WITH ARCH. DRAWINGS

1. COORDINATE BOLLARD LOCATIONS WITH ARCH. DRAWINGS.

S2 FOR OVERALL PHASING PLAN

THIS DRAWING SHALL BE READ IN PREVIOUSLY ISSUED DRAWINGS

FOR PHASE 2. REFER TO DRAWINGS S1 FOR GENERAL NOTES AND



OVERHEAD STRUCTURE BASEPLATE DETAIL

S5 1:10

EDS Group Inc. Spruce Grove, Alberta Bus: (780) 271 - 1689

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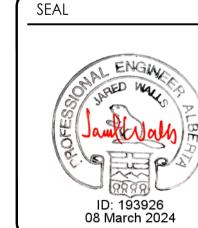
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WEC JOB #: 46400.00 WILLIAMS **ENGINEERING** 

**GENERAL NOTES** DRAWINGS NOT VALID FOR CONSTRUCTION WITHOUT AUTHORIZED "APPROVED FOR CONSTRUCTION" SEAL

APPROVAL		
LAC LA BICHE COUNTY		
_	APPVD.	DD.MM.YY

Submission			
1. ISSUED FOR TENDER	VJ	AA	08.03.24
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	BY	APPVD.	DD.MM.YY



PERMIT TO PRACTICE WILLIAMS ENGINEERING CANADA INC Signature A. Adolph e Mar. 8 2024 Member #81904 PERMIT NUMBER: P 10527 The Association of Professional Engineers, Geologists and Geophysicists of Alberta

FILE INFORMATION	
NAME	PROJECT NO.

**SCALE** AS SHOWN

SCALE SHOWN REPRESENTS DRAWINGS PRINTED ON A1 ONLY

**OVERHEAD TRELLIS & ORNAMENTAL** LIGHT FEATURE PARTIAL PILE LAYOUT PLAN AND **DETAILS** PHASE 2 MCARTHUR PARK LAC LA BICHE, ALBERTA SHEET

**S5**