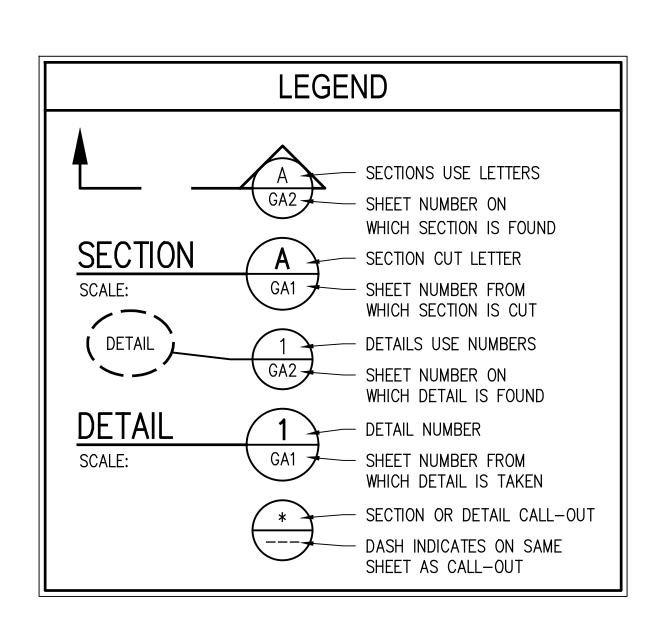
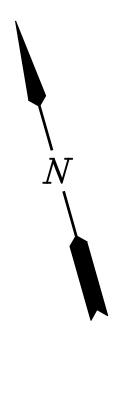
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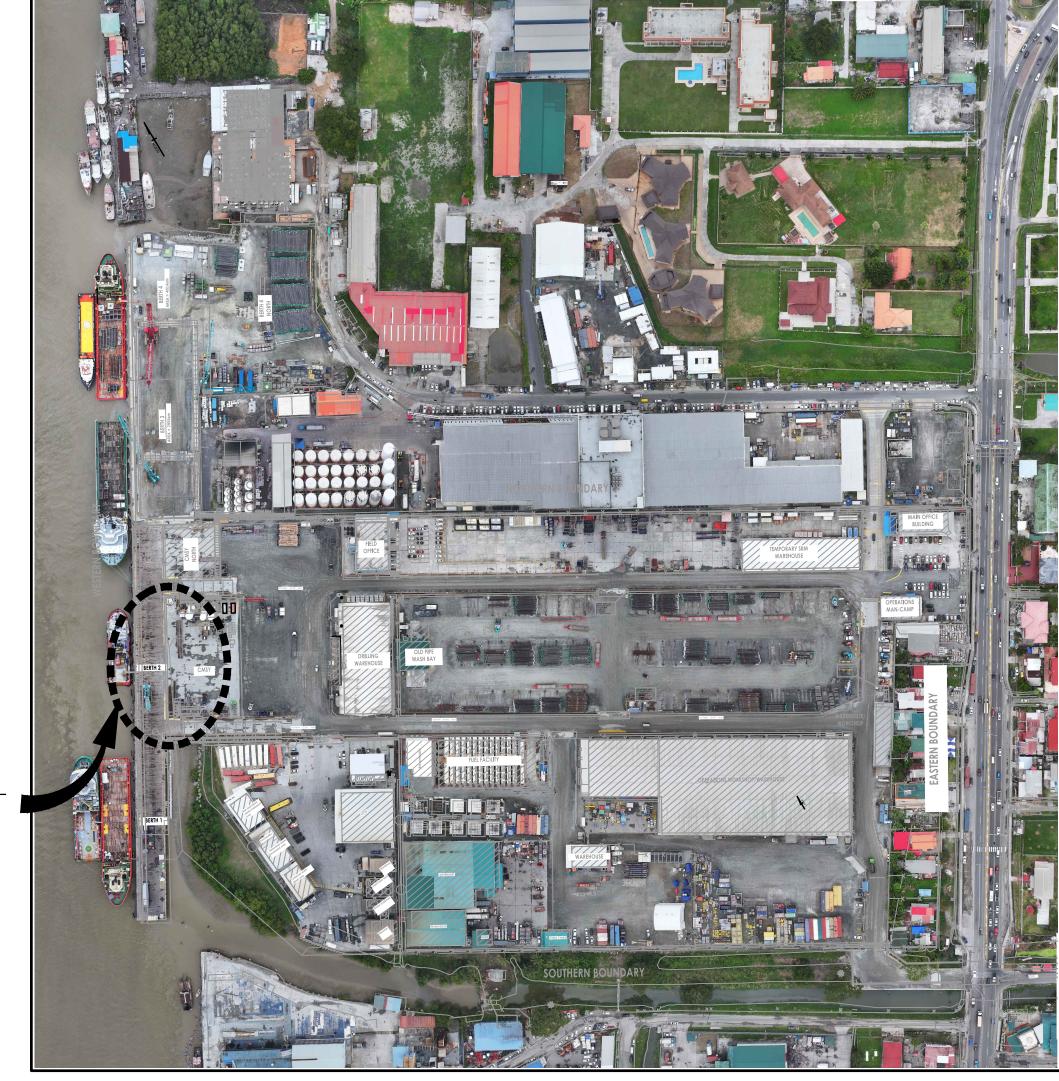
GEORGETOWN, GUYANA

BERTH 2 REPAIR PROJECT - PANEL FABRICATION

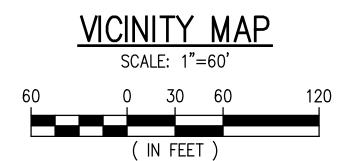








DRAWING INDEX							
DWG. NO.	REV.	DRAWING TITLE					
CS1	В	TITLE SHEET - VICINITY MAP, LEGEND & DRAWING INDEX					
CS2	В	GENERAL NOTES					
S1 B		CONCRETE PRESTRESSED REPLACEMENT PANELS PLAN, SECTION & DETAIL					





		ASSOCIATES ENGINEERS, INC.
	LA: EF-1120 VF-185	TX: F-2981 LSF-10194817
NEW ORLEANS	BEAUMONT • CORPUS CH	IRISTI • HOUSTON • MANDEVILLE

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113470 ON 11/26/25. IT IS NOT TO BE USED FOR BIDDING OR CONSTRUCTION PURPOSES.

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DATE NOV '25	
SHT SIZE <u>22"x34"</u>	
DESIGN KLD	ŀ
DRAWN PJC	
CHECK KLD	

APPR'D JTM VICINITY MAP, LEGEND & DRAWING INDEX JOB NO 13555

	GYSBI	
GEORGETOWN		GUYANA

BERTH 2 REPAIR PROJECT - PANEL FABRICATION TITLE SHEET

SHEET NO.

CS1

GENERAL NOTES

- 1. CONSTRUCTION SHALL COMPLY WITH THESE GENERAL NOTES, THE CONTRACT DRAWINGS, SPECIFICATIONS, AND ALL APPLICABLE COUNTRY AND LOCAL
- 2. SITE ACCESS FOR PANEL DELIVERY SHALL BE AS DIRECTED BY THE OWNER.
- 3. ALL EXISTING DIMENSIONS AND ELEVATIONS SHOWN ON DRAWINGS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO FABRICATION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
- 4. SHOULD ANY OF THE DETAILED INSTRUCTIONS SHOWN ON THE PLANS CONFLICT WITH THE GENERAL STRUCTURAL NOTES, THE SPECIFICATIONS, OR WITH EACH OTHER, THE STRICTEST PROVISION SHALL GOVERN.
- 5. THE LATEST REVISION OF THE FOLLOWING CODES, STANDARDS AND SPECIFICATIONS SHALL BE OBSERVED FOR ALL PROJECT RELATED ACTIVITIES:

ACI 318 ACI 315R

6. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST ASSOCIATED WITH ALL MATERIAL TESTING REQUIRED IN THE PROJECT DOCUMENTS, UNLESS NOTED OTHERWISE.

<u>CONCRETE</u>

- 1. CONCRETE COMPRESSIVE STRENGTH: ALL CONCRETE = 8,000 PSI AT TWENTY-EIGHT (28) DAYS, UNLESS OTHERWISE NOTED. CONCRETE SHALL CONFORM WITH THE "BUILDING CODE REQUIREMENTS FOR REINFORCING CONCRETE", ACI 318 (LATEST EDITION). CEMENT SHALL BE TYPE I.
- CONCRETE WATER/CEMENT RATIO SHALL BE A MAXIMUM OF 0.40.
- 3. CURING CONCRETE SHALL BE KEPT IN MOIST CONDITION FOR AT LEAST SEVEN (7) DAYS AFTER PLACEMENT.
- 4. AT LEAST ONE SET OF EIGHT (8) TEST SPECIMENS SHALL BE COLLECTED FOR THE NEW CONCRETE PANEL WORK. TWO (2) TEST SPECIMENS ARE TO BE TESTED AT SEVEN (7) DAYS, TWO (2) AT TWENTY-EIGHT (28) DAYS, AND THE OTHER FOUR (4) HELD TO BE TESTED AS REQUIRED BY THE ENGINEER FOR EACH SAMPLE SET.
- 5. CONCRETE FOR EACH PANEL SHALL BE PLACED MONOLITHICALLY.
- 6. ALL CONCRETE SHALL BE THOROUGHLY COMPACTED BY MECHANICALLY VIBRATING OR HAND POUNDING, AND SHALL BE THOROUGHLY WORKED AROUND THE REINFORCEMENT AND INTO ALL CORNERS OF THE FORMS.
- 7. ALL CONCRETE PANELS SHALL HAVE A TROWLED FINISH, UNLESS NOTED OTHERWISE.

REINFORCING STEEL

- 1. REINFORCING BARS SHALL BE NEW DEFORMED BILLET STEEL CONFORMING TO ASTM A615 GRADE 60.
- 2. ALL REBAR SPLICES SHALL COMPLY WITH THE PROVISIONS OF ACI 318-19 AND HAVE A MINIMUM OVERLAP OF FORTY (40) BAR DIAMETERS.
- 3. BAR SUPPORTS AND SPACERS SHALL COMPLY WITH REQUIREMENTS OF ACI
- 4. FABRICATION OF BARS, INCLUDING BENDS AND HOOKS, SHALL CONFORM TO ACI 315R-18. ALL BENDS SHALL BE MADE COLD UNLESS NOTED OTHERWISE.
- 5. BARS SHALL BE SECURELY TIED IN PLACE WITH 16-GAGE BLACK ANNEALED TIE WIRE AND SUPPORTED ON APPROVED STEEL CHAIRS OR PRECAST CONCRETE SADDLES.



GUYANA

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APPR'D JTM

DATE NOV '25 SHT SIZE <u>22"x34"</u>

GEORGETOWN

DESIGN KLD DRAWN PJC CHECK KLD

JOB NO <u>13555</u>

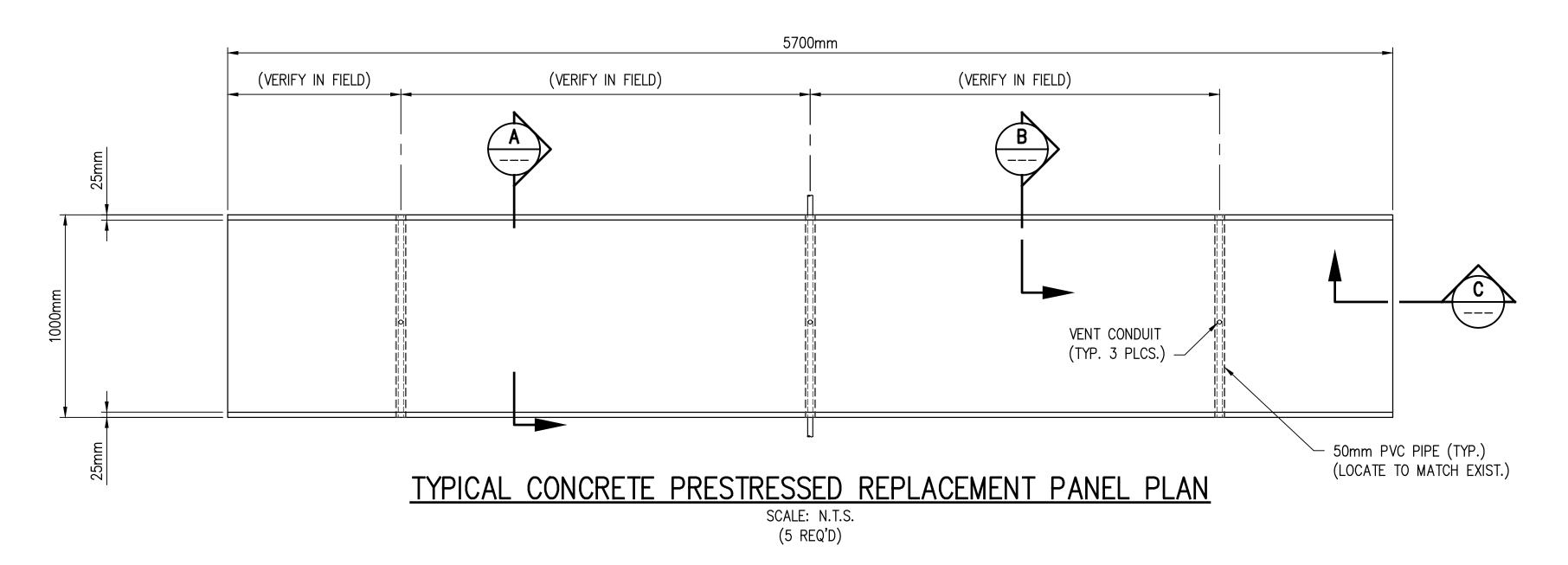
BERTH 2 REPAIR PROJECT - PANEL FABRICATION

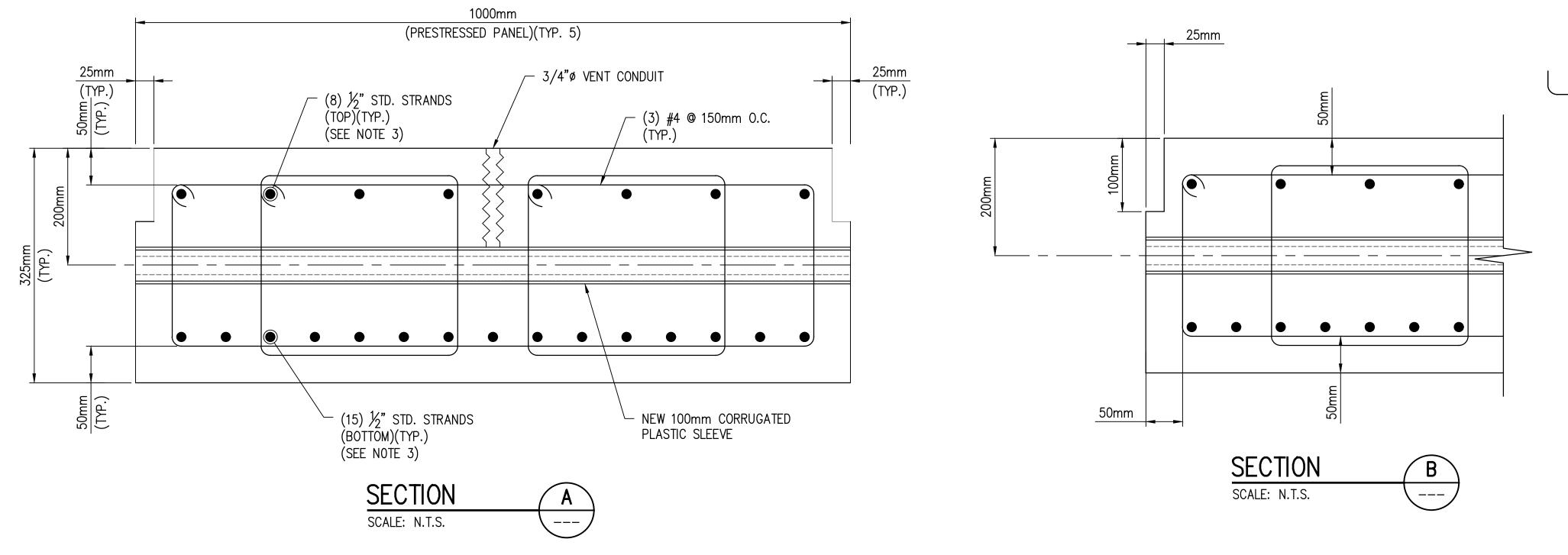
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GENERAL NOTES

SHEET NO.

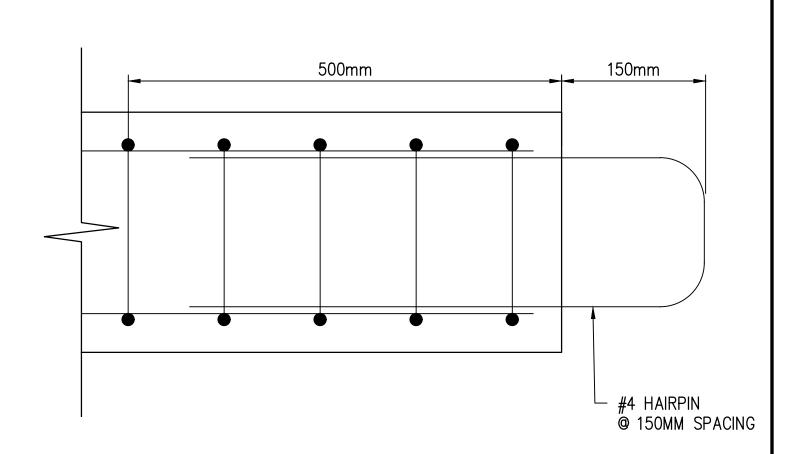
CS2





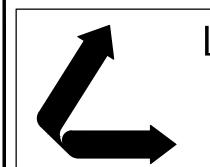
NOTES:

- 1. FOR DRAWING INDEX, SEE DWG. CS1.
- 2. FOR GENERAL NOTES, SEE DWG. CS2.
- 3. STANDARD STRAND ASTM416/416M-18, LOW-RELAXATION, SEVEN-WIRE STRAND, GRADE 270. MINIMUM CROSS-SECTION AREA OF 0.153 SQ. IN. PER STRAND. PRETENSION FORCE = 32 KIPS/STRAND.
- 4. REINFORCING TO BE ASTM A615 GR60.
- 5. CONCRETE IN PRESTRESSED PANELS TO HAVE MIN. 28 DAY COMPRESSIVE STRENGTH OF 8000 PSI.
- 6. 5 PANELS TO BE SUPPLIED AND DELIVERED TO GYSBI SHORE BASE BERTH 2.
- 7. LIFTING CABLES TO BE DESIGNED AND PROVIDED BY PANEL FABRICATOR. MIN OF 4/PANEL.









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DATE NOV '25 SHT SIZE <u>22"x34"</u> DESIGN KLD DRAWN PJC

CHECK KLD APPR'D JTM

JOB NO 13555

GYSBI GEORGETOWN GUYANA

BERTH 2 REPAIR PROJECT - PANEL FABRICATION CONCRETE PRESTRESSED REPLACEMENT PANELS PLAN, SECTION & DETAIL

SHEET NO.

S1