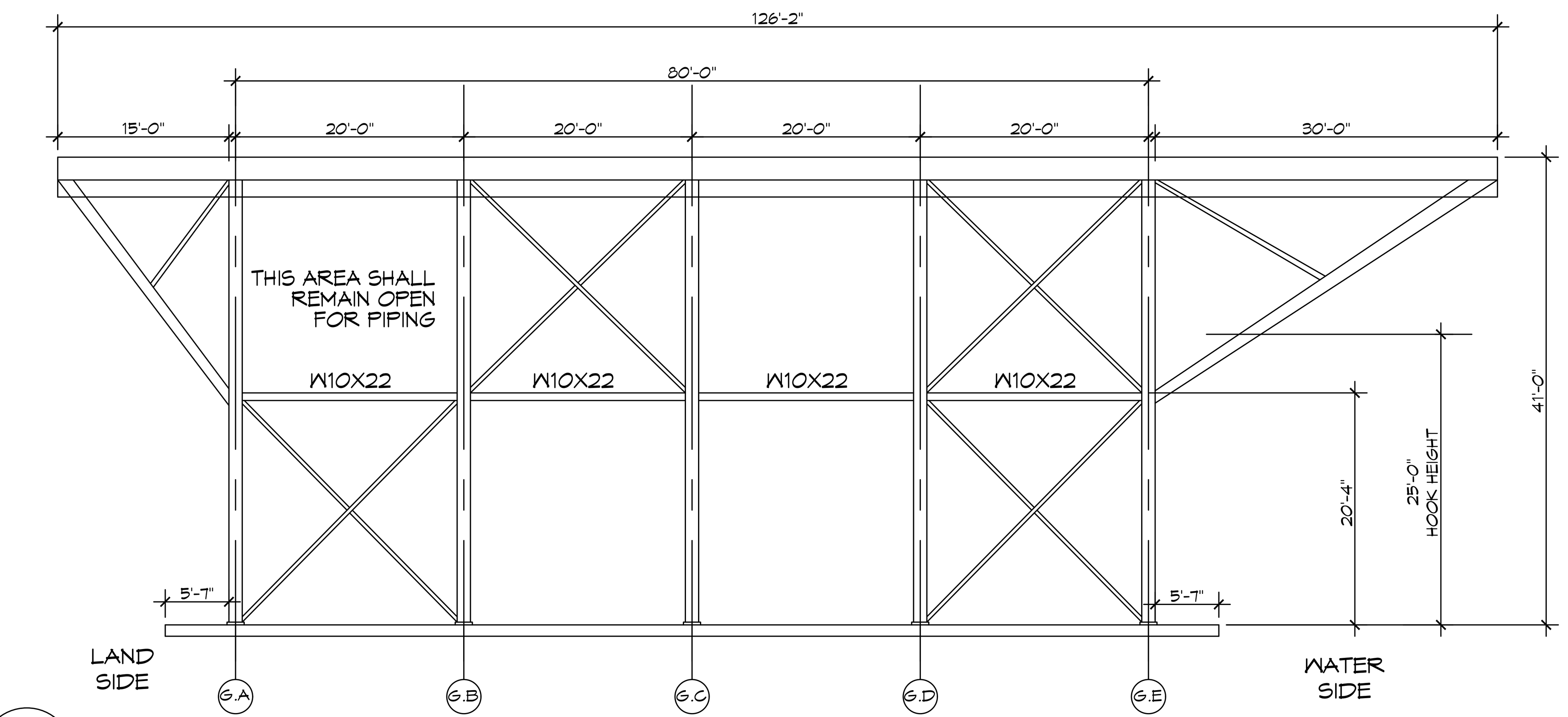
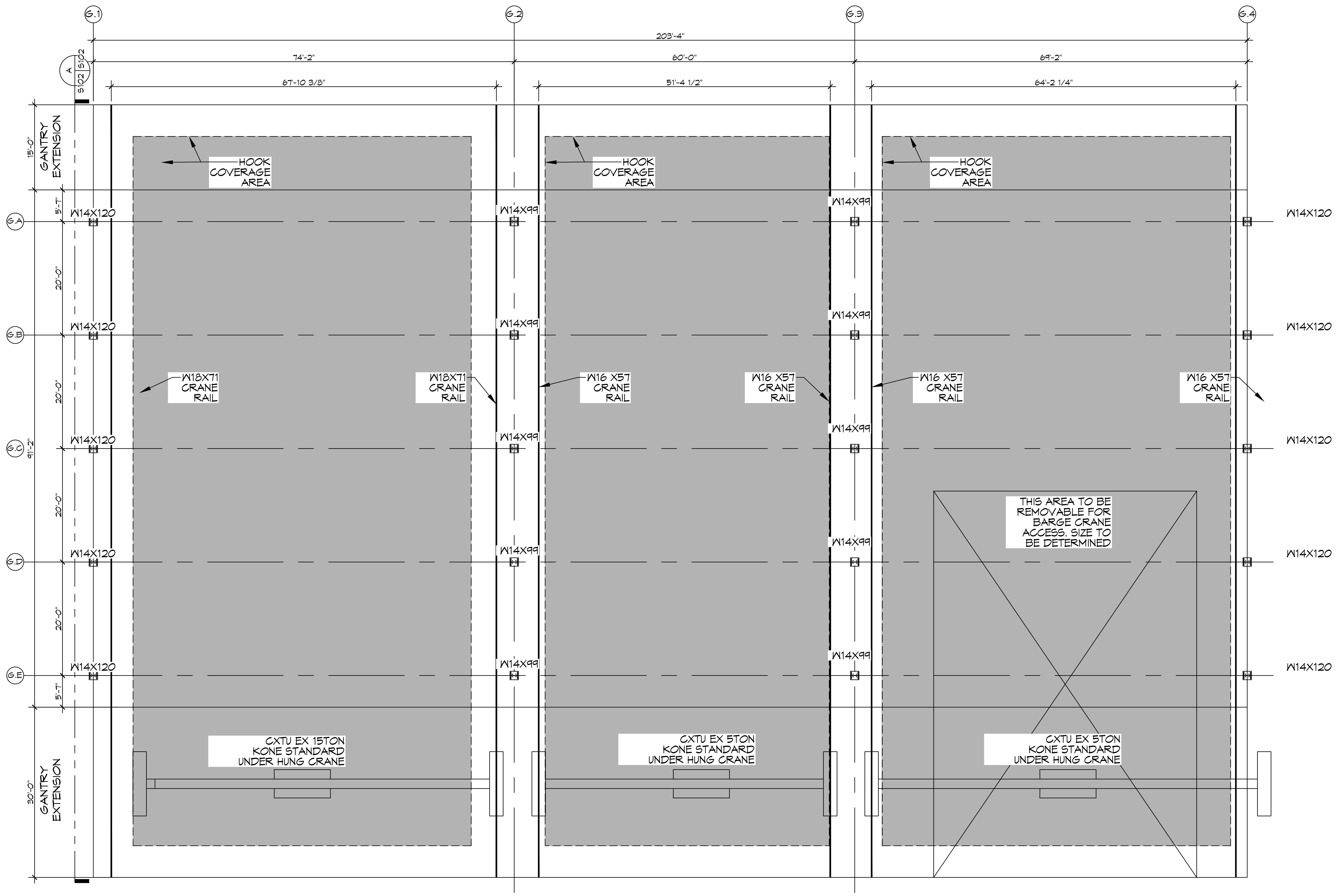


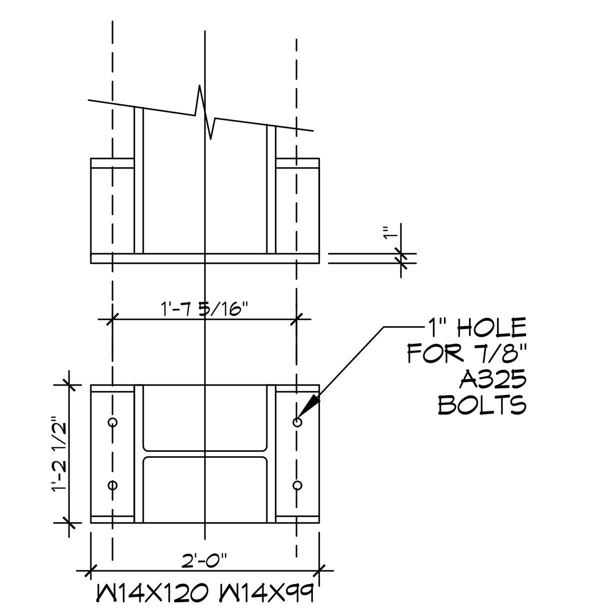
A S102 S102 **SECTION**

SCALE: 3/32" = 1' - 0" FRAMING SECTION



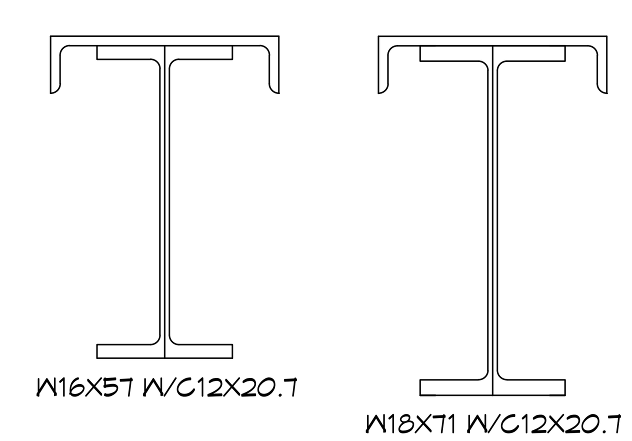
2 PROPOSED BUILDING LAYOUT

SCALE: 3/32" = 1'-0"



BASE PLATE

SCALE: 3/4" = 1' - 0" COLUMN



CRANE RAILS

SCALE: 1-1/2" = 1' - 0" SECTION

GENERAL NOTES

THE PURPOSE OF THIS DRAWING IS TO PROVIDE ENGINEERING DATA AND BUILDING COLUMN LOADS TO SUPPORT THE DESIGN OF A TRANSFER PLATFORM FOR SHELL OIL.

GENERAL SCOPE

THE PROJECT IS LOCATED AT THE PORT FOURCHON JUNCTION AND IS WITHIN SHELL OIL FOURCHON TERMINAL STORAGE FACILITY, GOLDEN MEADOW LOUISIANA.

PROJECT INCLUDES A PRE-ENGINEERED HYBRID OPEN STRUCTURE STEEL BUILDING BY BUTLER MFG WITH A TOTAL APPROXIMATELY 18473 SF FT GROSS AREA UNDER THE MAIN STRUCTURE WITH A THIRTY FOOT OVER HANG ON THE WATER SIDE 6090 SF FT GROSS AREA AND A FIFTEEN OVERHANG ON THE LAND SIDE 3045 SF FT GROSS AREA.

THE PROJECT INCLUDES ONE STRUCTURE WITH THREE BAYS WITH TWO FIVE TON AND ONE FIFTEEN TON UNDER HUNG CRANES.

DESIGN REQUIREMENTS
WIND SPEED 190 VMPH 10-YEAR MRI 86 VMPH 25-YEAR MRI 107 VMPH 50-YEAR MRI 120 VMPH 100-YEAR MRI 133 VMPH DATA SOURCE: ASCE/SEI 7-16, FIG. 26.5-1D AND FIGS. CC.2-1-CC.2-4, AND SECTION 26.5.2 DATE ACCESSED: SITE IS IN A HURRICANE-PRONE REGION AS DEFINED IN ASCE/SEI 7-16 SECTION 26.2.

LOADS ARE CALCULATED USING KONE STANDARD UNDER HUNG CRANES MODELS CXTU EX 5-TON AND CXTU EX 15-TON.

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#	DESCRIPTION	DATE
REVISIONS		

SEAL:

NEW CRANE SUPPORT STRUCTURE
SHELL OIL
FOURCHON JUNCTION RAISED FACILITY
FOURCHON, LA.

JOB No:	2400	DATE:	07-18-24
DRAWN BY:	CKD	CHECKED BY:	CDC

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SHEET TITLE:
PROPOSED BUILDING LAYOUT AND DETAILS

DRAWING NUMBER:
S102

SHEET No: 1 of 3