



ENGINEERING CLARIFICATION

EC TITLE: Facility 100 Structural - 2nd floor Composite Deck
Gage Modification

PROJECT: 3 Kings Water Treatment Plant

EC NO.: 84

DATE: 12/2/2020

STATUS: Open

SECTION 1: BY CONTRACTOR

QUESTION:

The composite deck shown on Drawing 100-S-2012 will require temporary shoring until the concrete deck is cured.

DRAWING NO.: 100-S-2012 STRUCTURAL - FACILITY 100 -
SECOND FLOOR AND LOWER ROOF OVERALL PLAN

SPECIFICATION SECTION:

POTENTIAL COST IMPACT:

POTENTIAL SCHEDULE IMPACT:

PROPOSED SOLUTION:

Modify extents of the Zone 1 and Zone 2 designations as shown on attached Drawing 100-S-2012 to eliminate the need for temporary shoring during the placement of concrete over the composite deck.

COMMENTS:

INITIATOR: Petty, Tim/SLC

PRIORITY: Normal

REQUESTED RESPONSE DATE: 12/16/2020

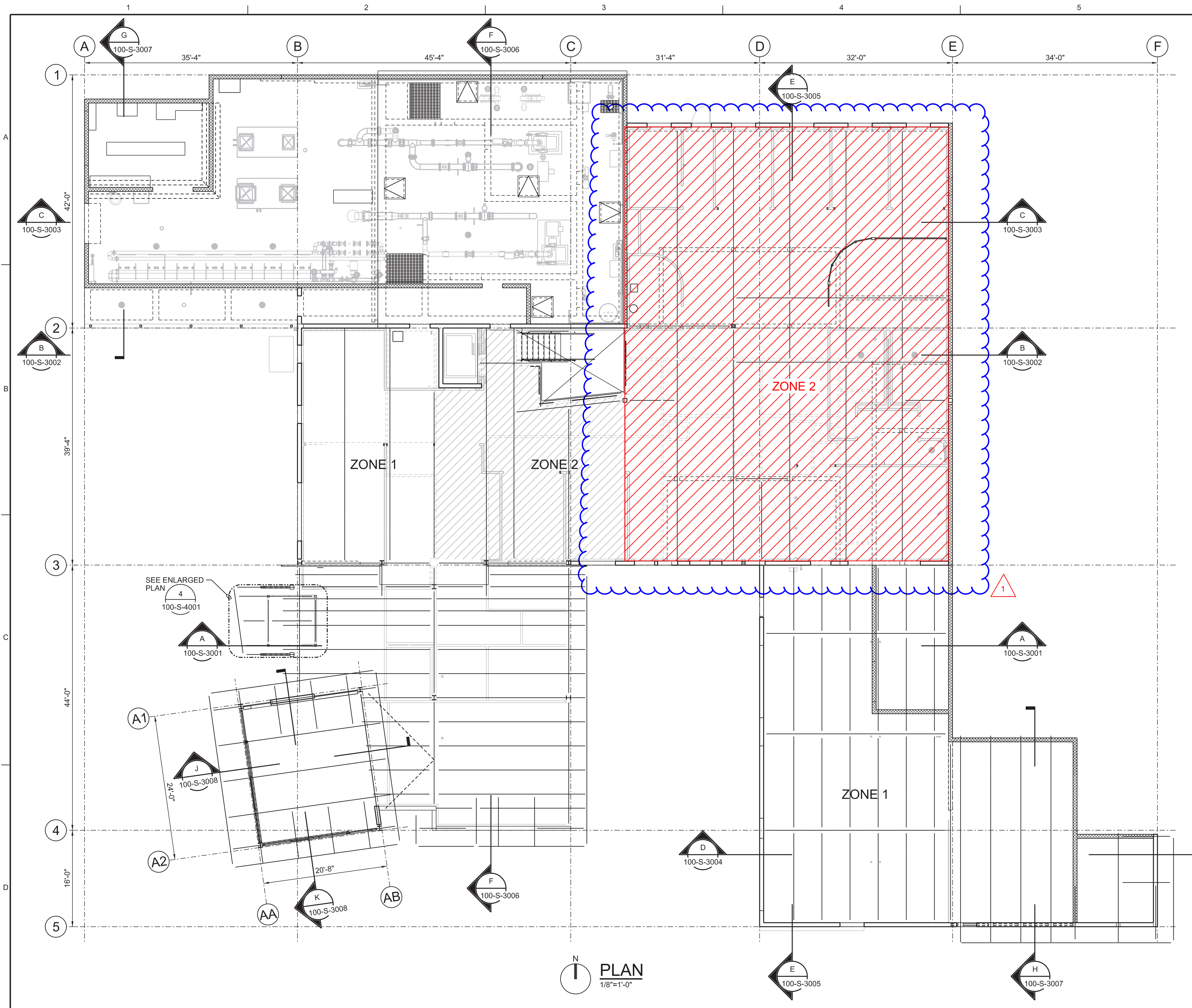
SECTION 2: BY REVIEWER

RESPONSE:

COMMENTS:

REVIEWED BY:

REVIEWED DATE:



GENERAL NOTES

- FOR GENERAL STRUCTURAL NOTES SEE DRAWINGS 001-GS-0001 AND 001-GS-0002.
- COLUMNS ARE LOCATED WITH EDGE OF COLUMN AT GRID LINE UNLESS NOTED OTHERWISE.



DIGITALLY SIGNED:
02/10/2020

COMPOSITE DECK NOTES

- COMPOSITE DECK SHALL INCLUDE 1.5" COMPOSITE METAL DECK WITH MINIMUM PROPERTIES AS INDICATED IN NOTE 2, TOPPED WITH 2.5" CONCRETE FOR A TOTAL THICKNESS OF 4"
- COMPOSITE METAL DECK SHALL BE 1.5" COMPOSITE METAL DECK WITH THE FOLLOWING MINIMUM PROPERTIES.

PROPERTY	ZONE 1	ZONE 2
GAGE	20	18
I (SINGLE SPAN)	0.219 IN ⁴ /FT	0.302 IN ⁴ /FT
S+	0.230 IN ³ /FT	0.314 IN ³ /FT
S-	0.237 IN ³ /FT	0.331 IN ³ /FT
Fy	50 ksi	50 ksi

- BASIS OF DESIGN IS VERCO TYPE PLB OR B-FORMLOK. SEE SPECIFICATIONS FOR OTHER MANUFACTURERS.
- MINIMUM BEARING SHALL BE AS REQUIRED BY MANUFACTURER.
- REINFORCE CONCRETE WITH WWR 6 x 6 - W1.4 x W1.4 OR EQUIVALENT REINFORCEMENT RATIO.
- ZONE DESIGNATIONS ARE BASED ON MAXIMUM UNSHORED SPAN FOR VERCO DECK. VERIFY MAXIMUM SPANS FOR OTHER MANUFACTURERS.

NO.	DATE	REVISION	CHK	APVD
1	12/01/2020	ENGINEERING CLARIFICATION #64	T STIMPSON	P SWAIM

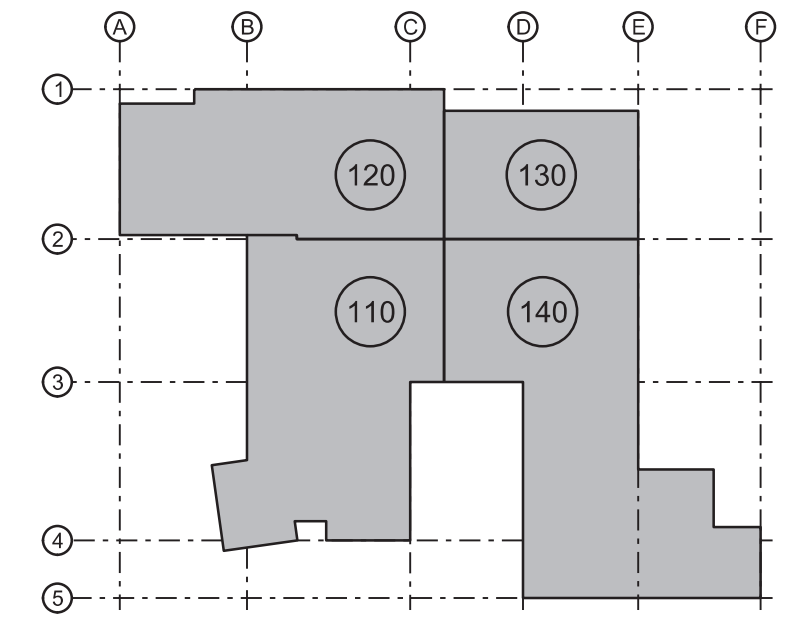
ZEHREN AND ASSOCIATES, INC.
LANDSCAPE ARCHITECTURE
PLANNING INTERIORS

3Kings WTP Phase III Design
Park City Municipal Corporation
Park City, Utah

JACOBS

STRUCTURAL
FACILITY 100
SECOND FLOOR AND LOWER ROOF
OVERALL PLAN

DATE	02/10/2020
PROJ	694342
DWG	100-S-2012
SHEET	381 of 911



KEY PLAN

ISSUED FOR CONSTRUCTION