



PLANT SYSTEMS GROUP - SALT LAKE CITY, UTAH

CALCULATION COVER SHEET

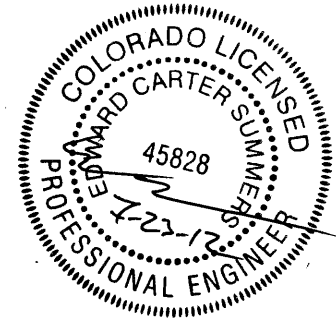
JOB NUMBER	CLIENT	PROJECT	CALC. NUMBER
11021	CC&V	High Grade Mill	CV004

TITLE/SUBJECT:

CC&V High Grade Mill Catch Basin Design

STATEMENT OF PROBLEM:

Design Catch Basins for the maximum discharge due to a 25 year storm

P.E. SEAL**SOURCES OF DATA, FORMULA & REFERENCES:**

IBC 2003
ACI 318-02
Autodesk Robot 2012
Soils Report by AMEC

CONCLUSIONS & RECOMMENDATIONS:

See details in report

A	May-12	Ready for Check	ECS	WC		
0	Jul-12	Issued for Permit	ECS	WC		
REV	DATE	DESCRIPTION/STATUS	CALC BY	CHKD BY	DWG./SPECS REVISED	QA REVIEW



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PROJECT

CC & V HIGH GRADE MILL

SUBJECT

DISCHARGE BOX

DESIGN

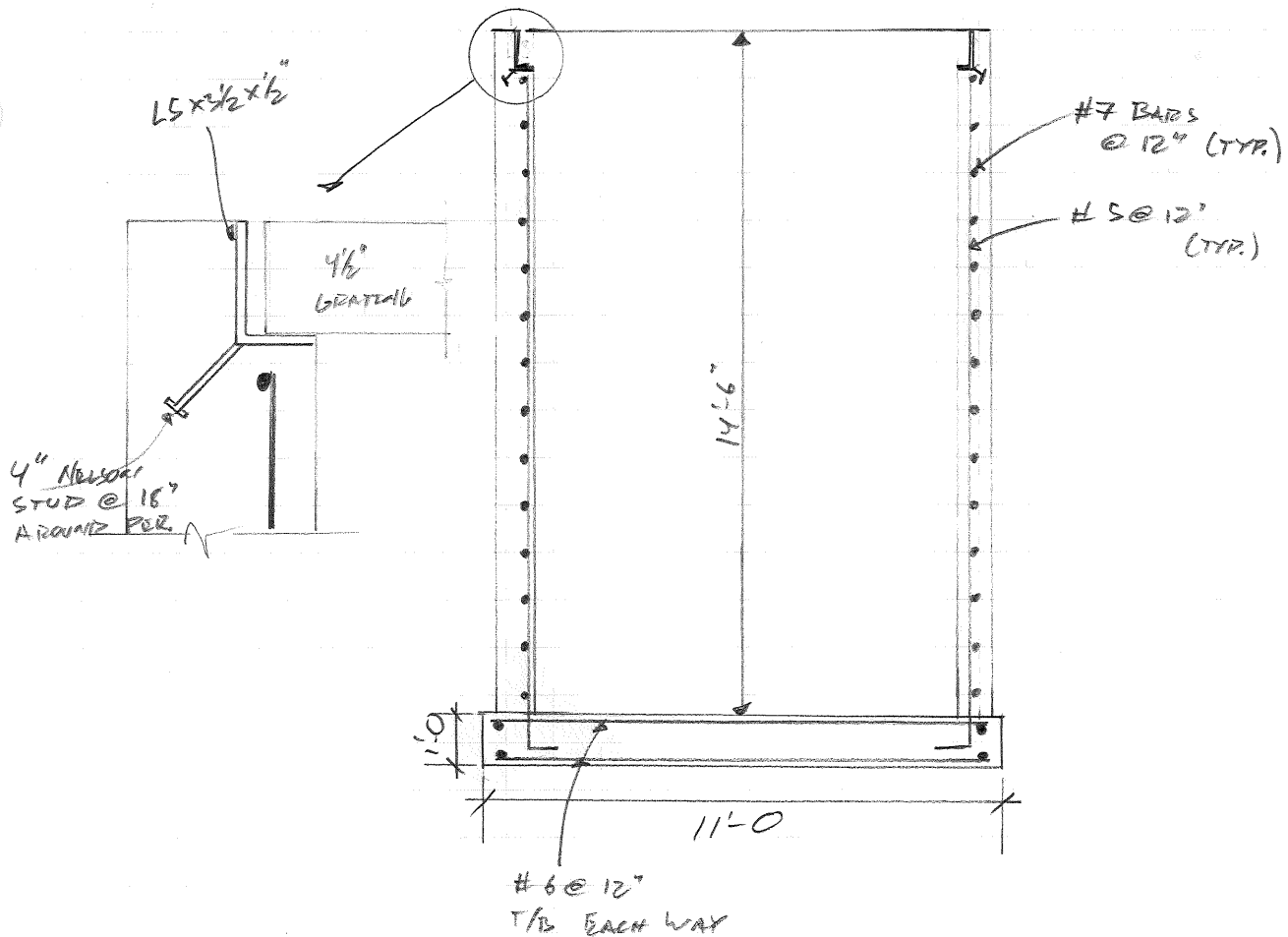
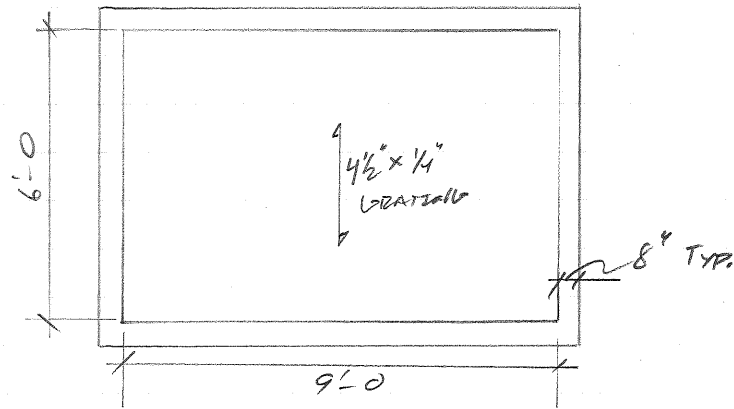
PROJ NO. 11021

CALC NO. CV-004

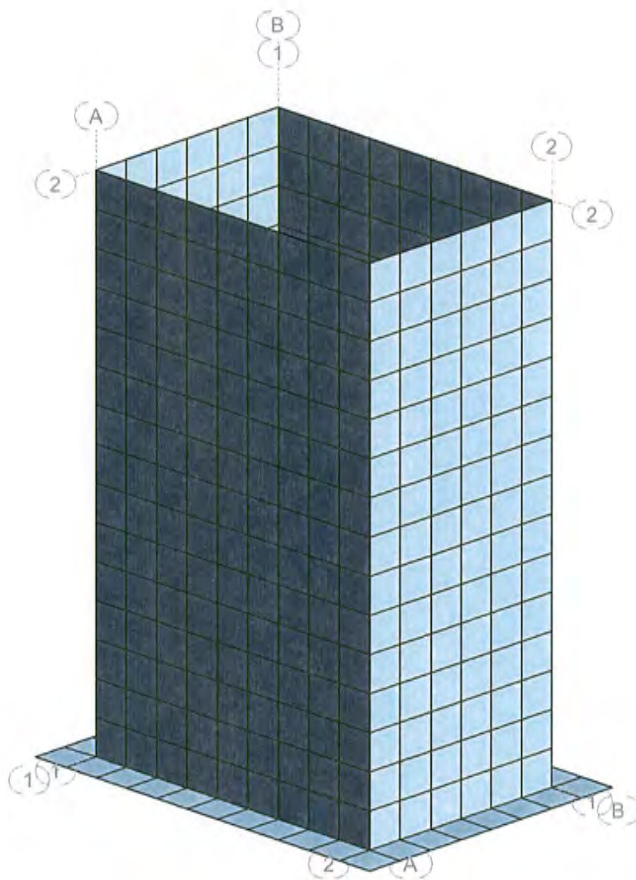
BY RCS DATE 5-10-12

CHK DATE

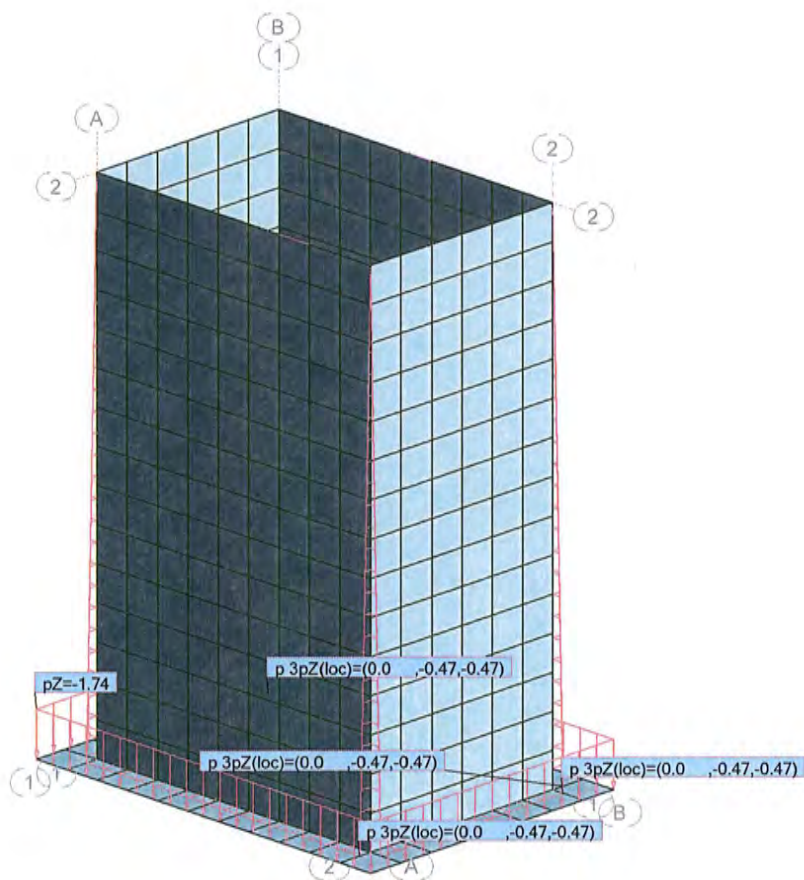
SHEET OF REV



View - Cases: 1 (Self Weight)

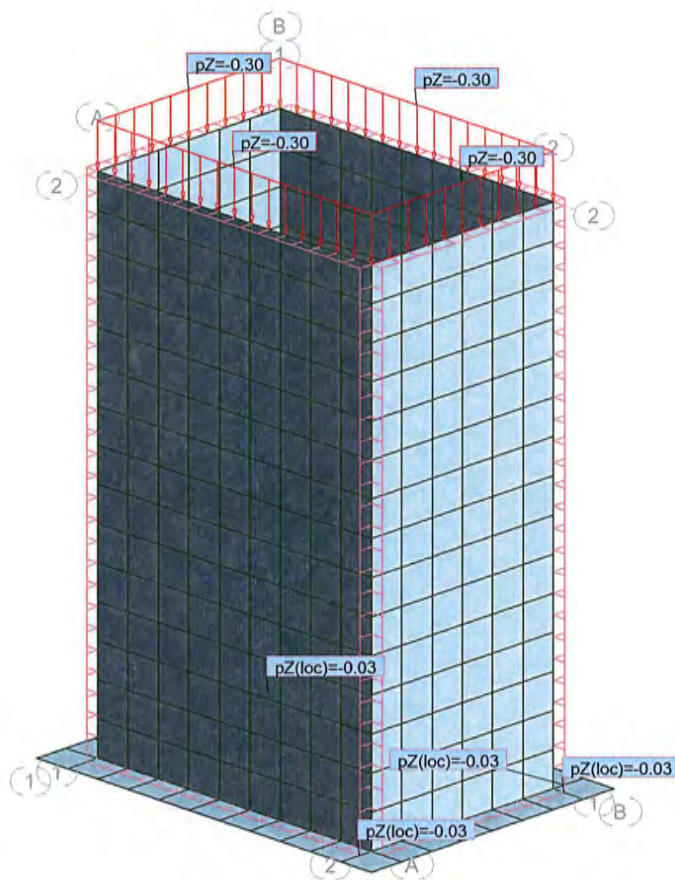


View -



 kip/ft2
Cases: 5 (Soil Pressure)

View -

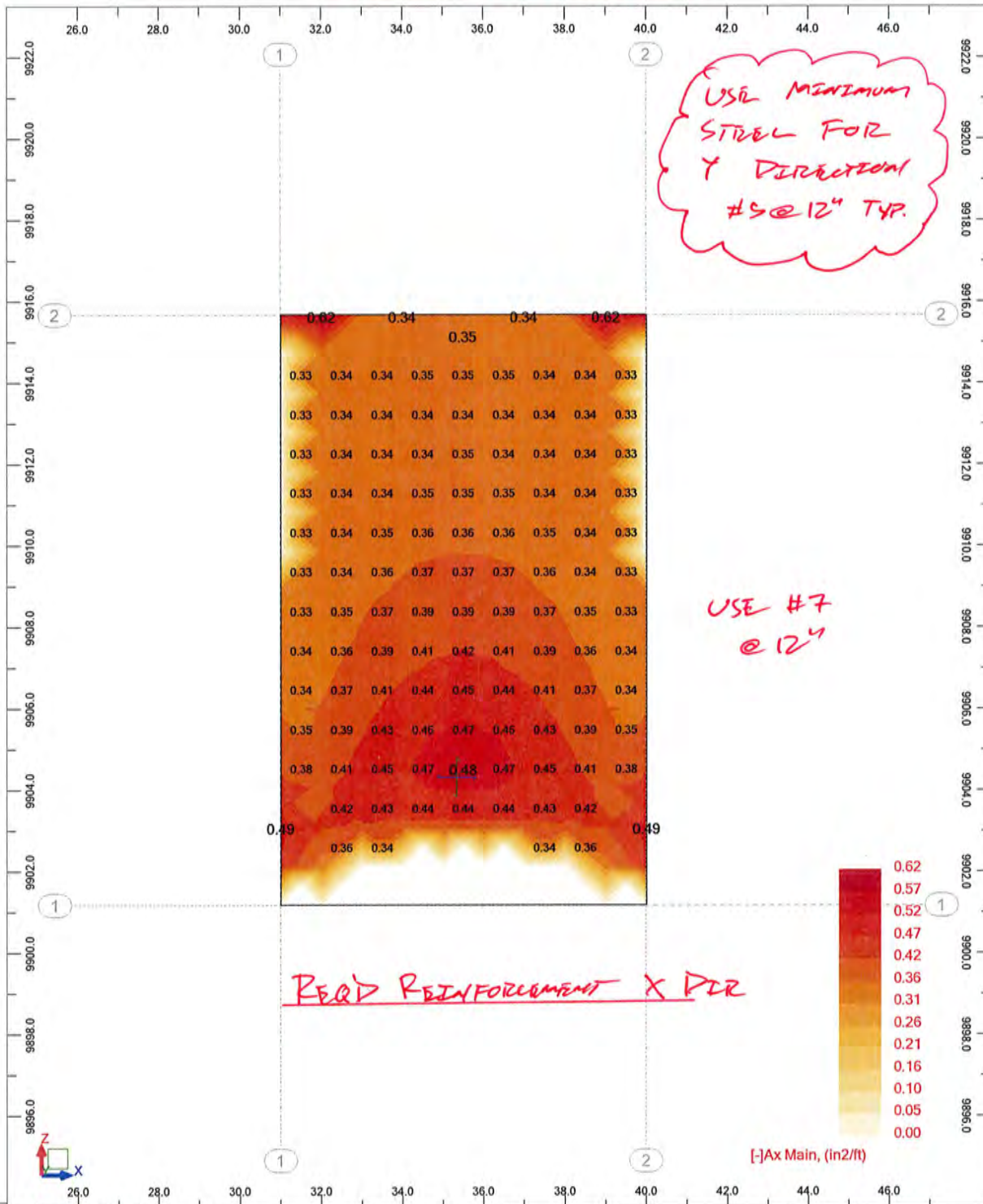


kip/ft
kip/ft2

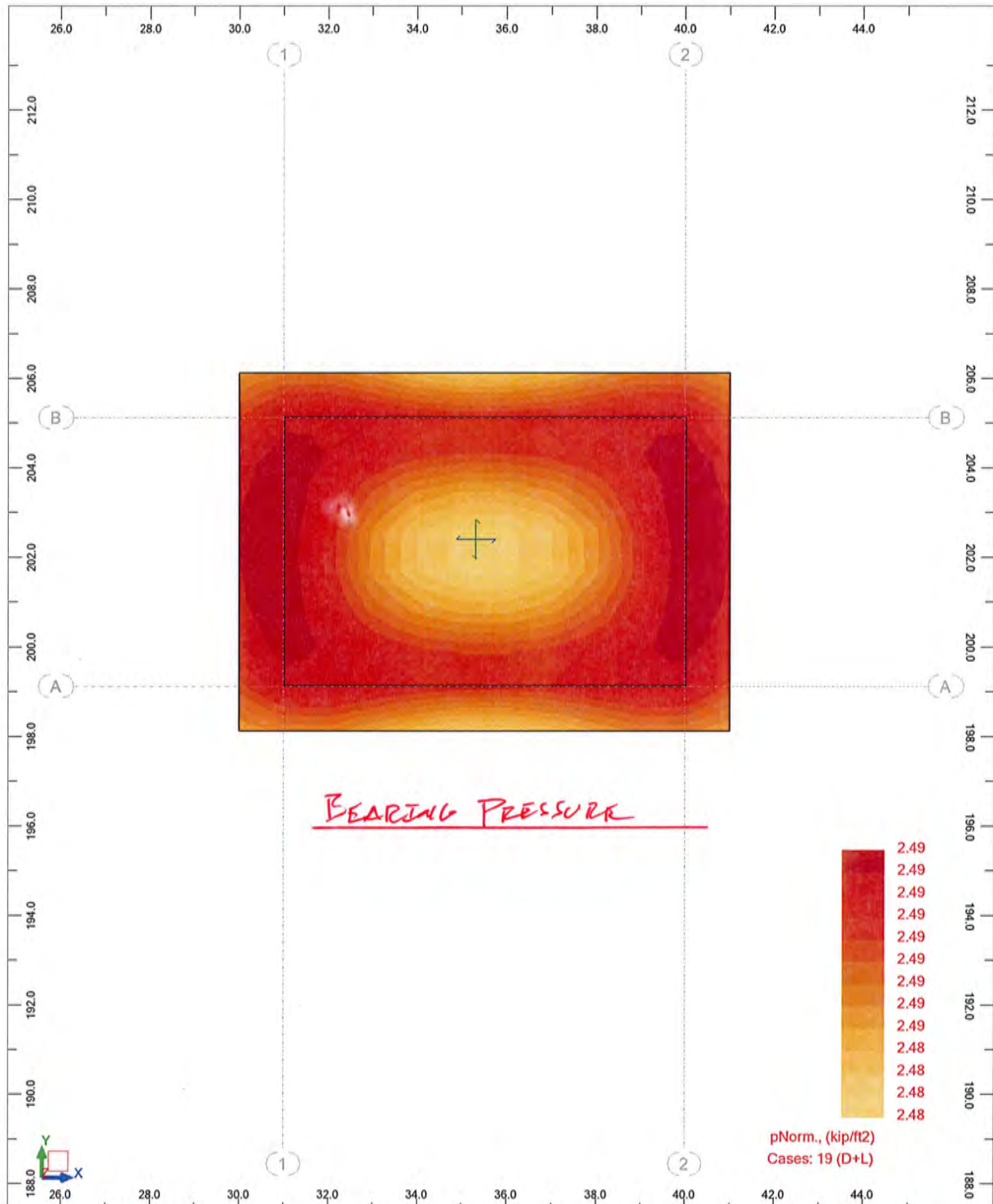
Cases: 6 (Surcharge Load)

View - [-]Ax Main (in2/ft)

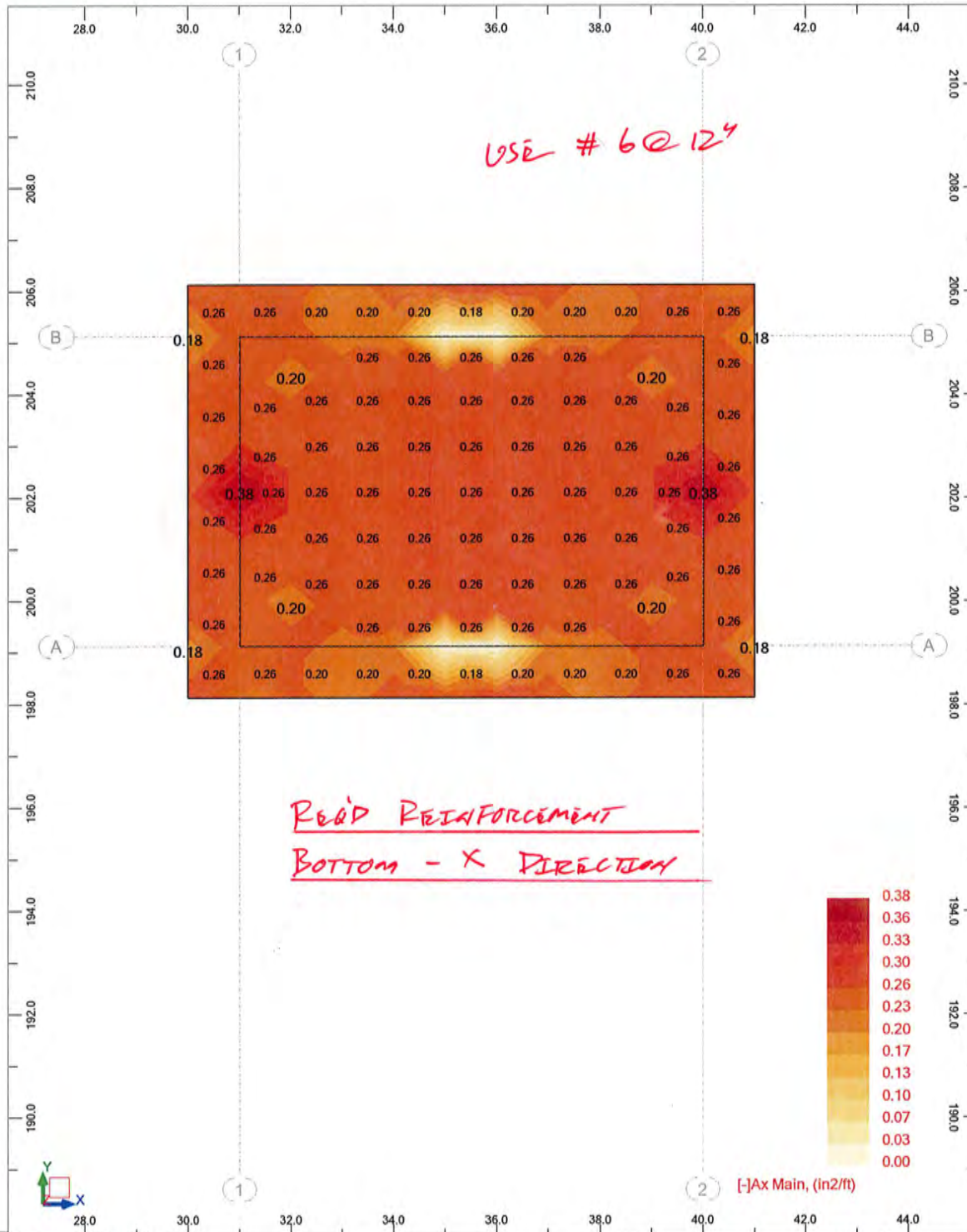
WALLS (TYPICAL)



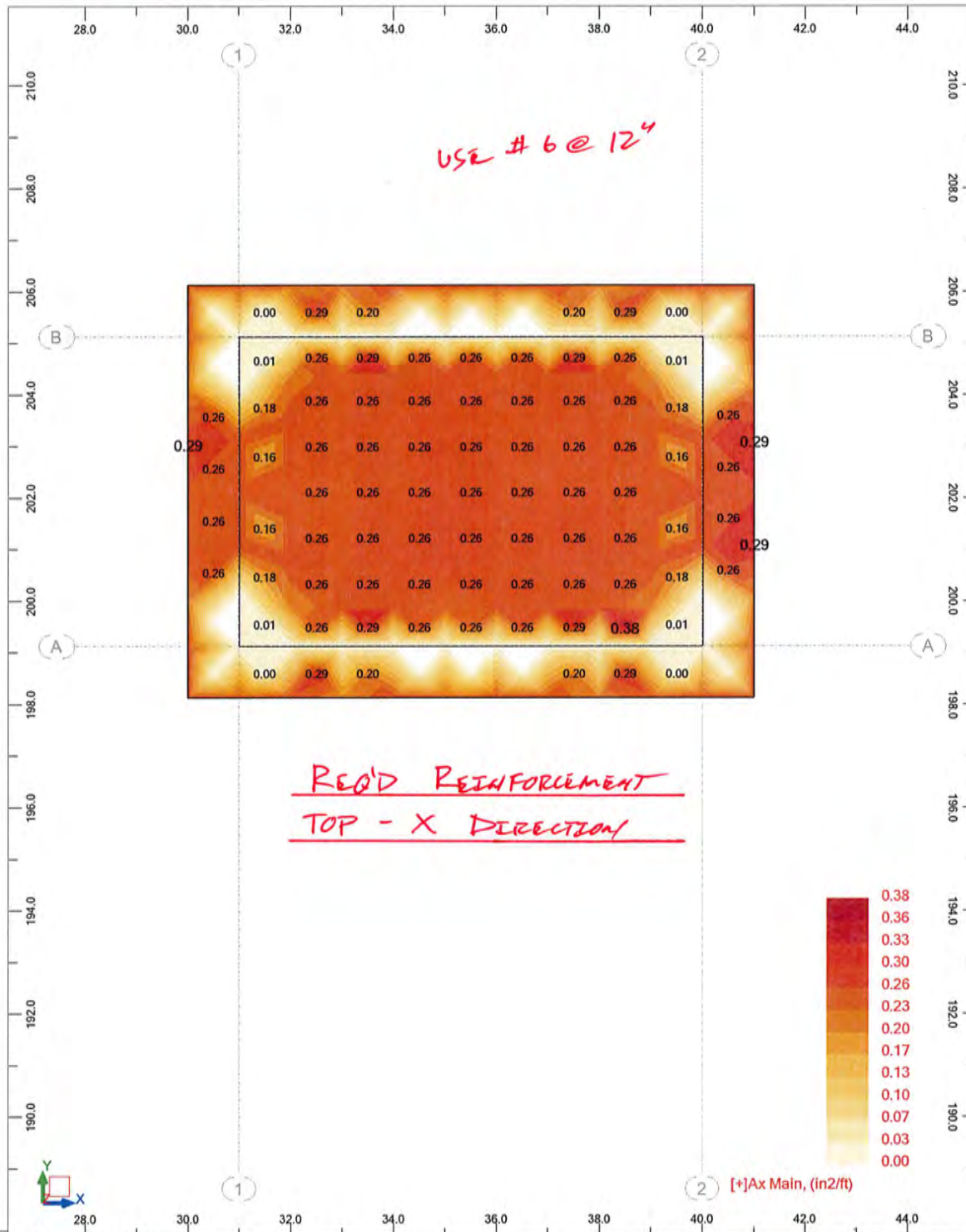
View - pNorm. (kip/ft²) Cases: 19 (D+L)



View - [-]Ax Main (in2/ft)



View - [+]Ax Main (in2/ft)

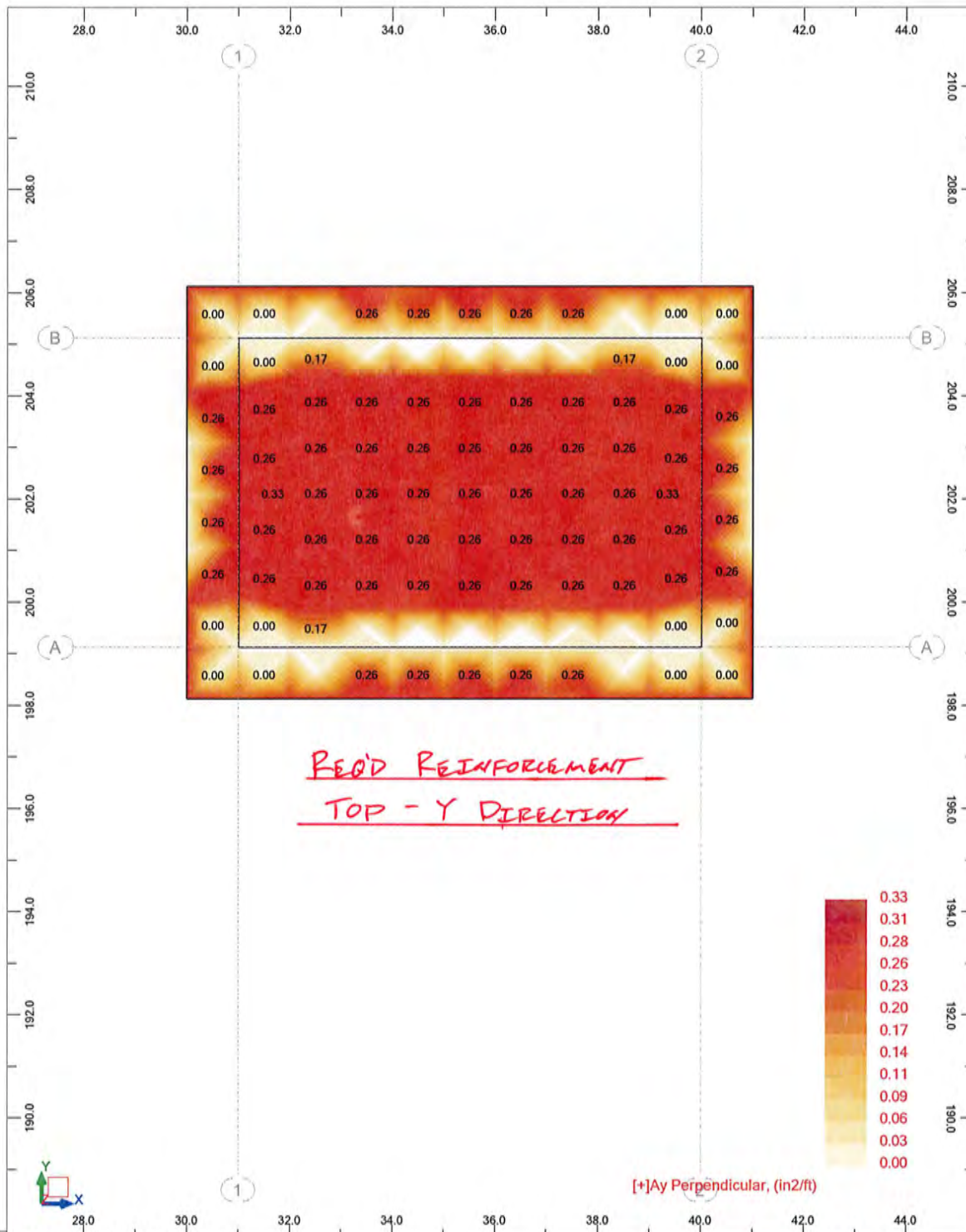




7158 S. FLSmidth Drive
Midvale, UT 84047-5559

Engineer: **Ed Summers**
Calc No.: **CV-004** Job.: **11021**
Project: **Runoff Discharge Box**
Client: **CC&V**

View - **[+]Ay Perpendicular (in2/ft)**



Date : 10/05/12
File: **Runoff Discharge Box.rtd**

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