

① FLOOR PLAN - FIRST FLOOR
1' = 10'-0"

WALL LOAD SCHEDULE											
MARK	ELEV.	DEAD LOAD Klb/ft	LIVE LOAD Klb/ft	SNOW LOAD Klb/ft	W-E WIND LOAD Klb/ft	UP-WEST Klb/ft	DOWN-EAST Klb/ft	N-S WIND LOAD Klb/ft	UP-N Klb/ft	EARTH PRES. IN PLATE Klb/ft	CHORD LOAD Klb/ft
WL1	0'-0"	1.51	3.35	2.01	0.40	N/A	0.40	N/A	0.15	N/A	N/A
WL2	0'-0"	0.93	0.74	0.44	0.40	N/A	0.40	N/A	0.15	N/A	N/A
WL3	0'-0"	1.12	1.84	1.10	0.40	N/A	0.40	N/A	0.15	N/A	N/A
WL4	0'-0"	1.05	1.57	0.94	0.40	N/A	0.40	N/A	0.15	N/A	N/A
WL5	0'-0"	0.72	0.33	0.20	0.40	N/A	0.39	0.40	N/A	N/A	N/A
WL6	0'-0"	1.11	1.79	1.07	0.40	N/A	0.39	0.40	N/A	N/A	N/A
WL7	0'-0"	1.58	1.67	1.00	1.61	2.39	N/A	N/A	0.15	N/A	N/A
WL8	0'-0"	0.50	N/A	N/A	N/A	N/A	N/A	N/A	1.20	N/A	N/A
WL9	0'-0"	1.73	2.26	1.36	1.84	N/A	N/A	N/A	0.15	N/A	N/A
WL10	0'-0"	1.52	1.46	0.88	N/A	N/A	0.39	1.28	N/A	2.30	N/A
WL11	0'-0"	0.50	N/A	N/A	N/A	N/A	0.39	1.28	N/A	2.30	N/A
WL12	0'-0"	1.55	1.57	0.94	N/A	1.08	N/A	N/A	0.15	2.30	N/A
WL13	0'-0"	1.58	1.67	1.00	N/A	1.08	N/A	N/A	0.15	2.30	N/A
WL14	0'-0"	0.27	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WL15	0'-0"	1.92	1.33	0.44	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WL16	11'-2"	0.95	1.00	0.40	0.40	N/A	0.40	N/A	0.16	N/A	N/A
WL17	11'-2"	0.94	1.07	0.47	0.40	N/A	0.40	N/A	0.16	N/A	N/A
WL18	11'-2"	0.49	0.20	0.20	0.40	0.39	0.49	N/A	N/A	N/A	N/A
WL19	11'-2"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2.30	N/A	N/A
WL20	1'-8"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2.30	N/A	N/A
WL21	0'-0"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.94	1.76	

POINT LOAD SCHEDULE			
MARK	DEAD LOAD PSF	LIVE LOAD PSF	SNOW LOAD PSF
PL1	15.24	25.01	15.01
PL2	30.47	50.02	30.02
PL3	15.24	25.01	15.01
PL4	17.84	17.40	10.50

SUPERIMPOSED UNIFORM LOAD SCHEDULE				
MARK	DEAD LOAD Klb/ft	LIVE LOAD Klb/ft	SNOW LOAD Klb/ft	COMMENTS
PL1	150.00	150.00	42.00	YARDS AND TERRACES PEDESTRIAN
PL2	20.00	100.00	N/A	CORRIDORS FIRST FLOOR
PL3	20.00	100.00	N/A	STAIRS AND EXITS
PL4	20.00	100.00	N/A	STORE FIRST FLOOR
	20.00	40.00	N/A	PRIVATE ROOMS MULTIFAMILY DWELLING



Date	Description
06.21.2019	Loading
06.29.2019	in plane lateral loads
07.04.2019	increase in courtyard load values

LOADING PLAN

6 | 5 | 4 | 3 | 2 | 1 |

The logo consists of a stylized 'W' shape composed of several red and grey vertical bars of varying heights, resembling a city skyline or a series of steps. Below the 'W' is the text 'ITAL GROUP' in a bold, black, sans-serif font. Underneath that, the word 'er' is partially visible, followed by 'W Capital Group' in a smaller, regular black font.

EAM TYPES:

- BEAM 2 LEVEL "A"
-  BEAM 2 LEVEL "B"
-  24IT40 -1'9"
-  24IT40 -0'5"
-  24IT32 -0' 5"
-  W18x119
-  24IT40_32

Architect: OpeningDesign
316 W Washington Ave | Suite 675
Madison, WI 53703
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 OpeningDesign



General Contractor: ROYAL CONSTRUCTION
3653 Greenway Street | Eau Claire, WI 54701
jim@royalbuilt.com | 715-225-6377



Civil Engineer: CEDAR CORPORATION
604 Wilson Avenue | Menomonie, WI 54751
kevin.ouim@cedarcorp.com | 715-235-9081



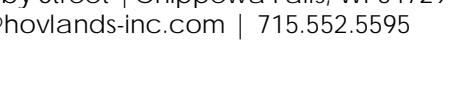
Structural Engineer: Structural Engineering
Calle Apolonio Morales, 628036 Madrid,
Upereztao@xcengineering.xyz | +34 610 56 26 37



Structural Engineer: Structural Engineering
4729 Dale Court Dr., McFarland, WI 53558



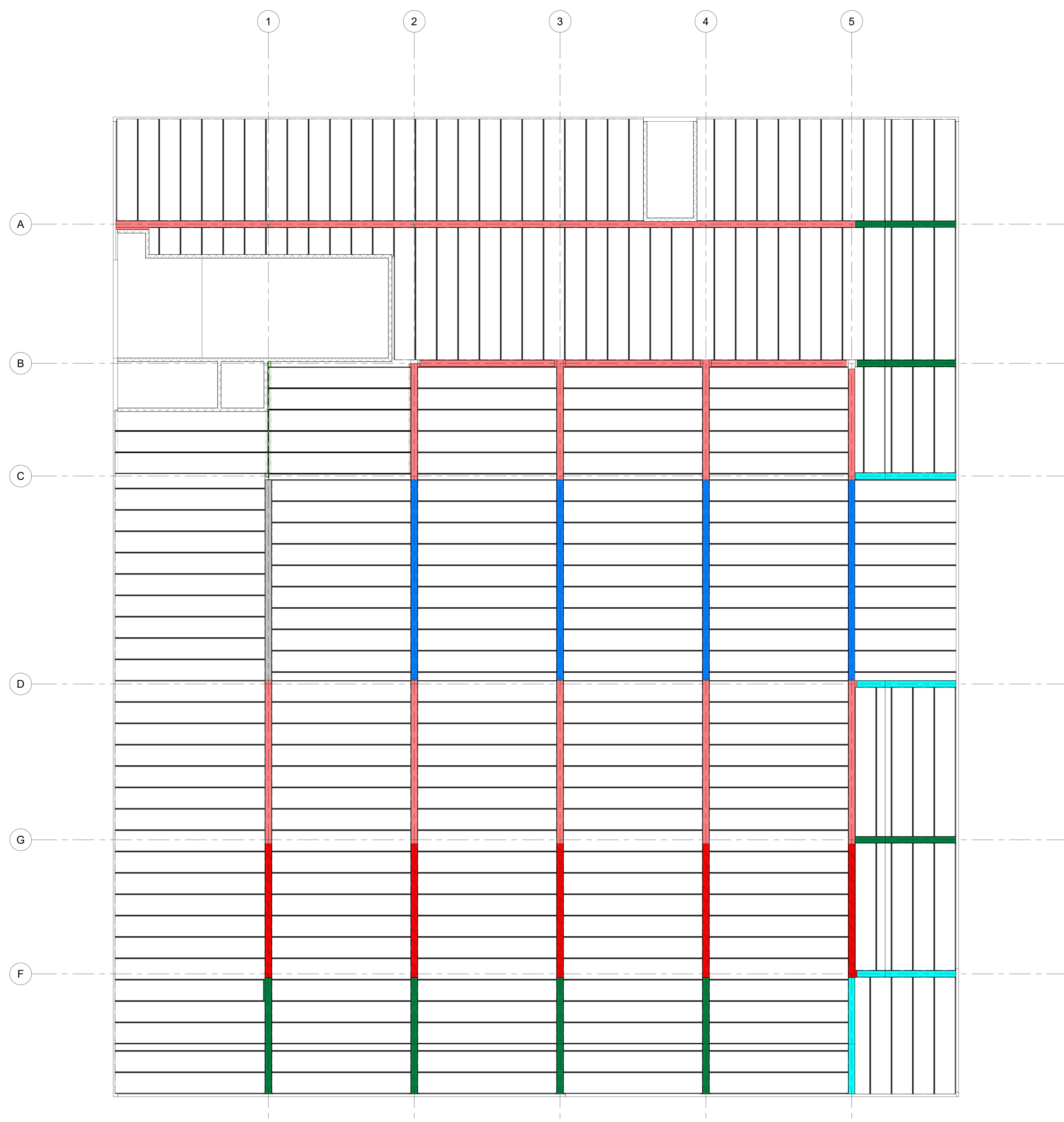
 Hovland's
Heating - Ventilation - Air Conditioning



Electrical Engineer: PRISM DESIGN ELECTRICAL
CONSULTANTS INC
58492 State Rd 55 | Mendota, WI 54755



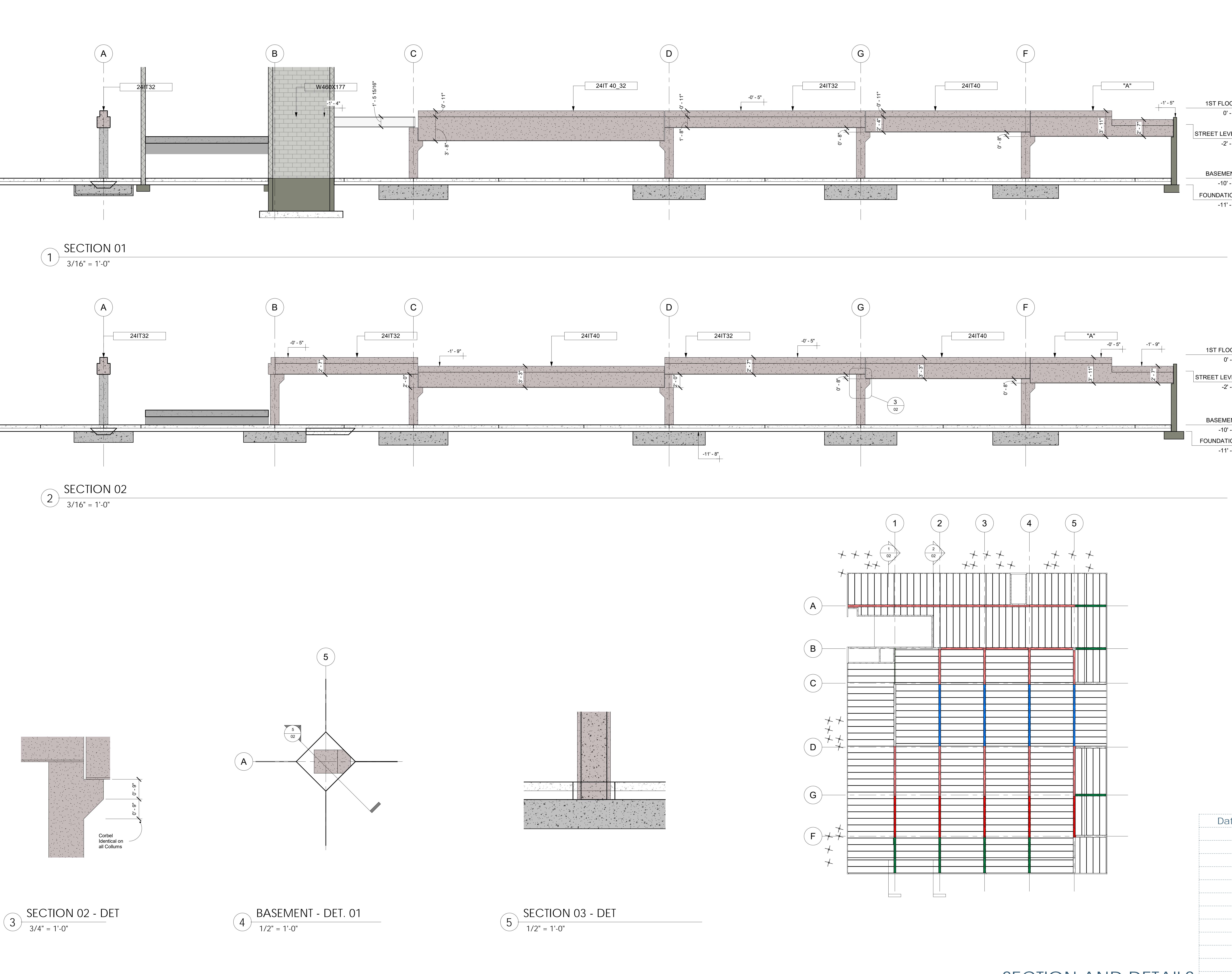
 PLUMBING
ENGINEERING



BEAM PLAN

01
28/06/201

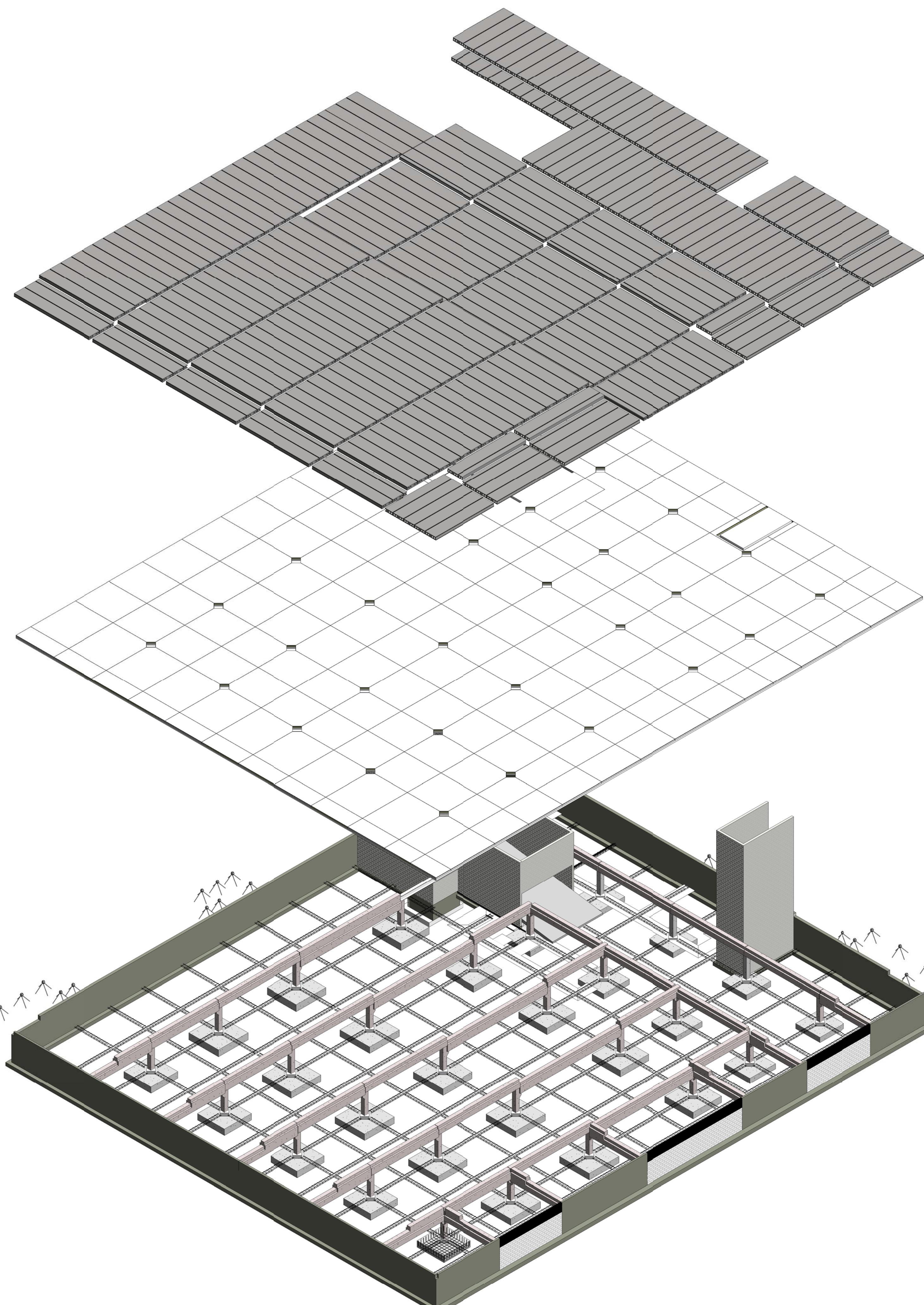
3/06/2019 17:35:03



SECTION AND DETAILS

02
28/06/2019 17:35:16

28/06/2019 17:35:16



HOLLOWCORE SLAB

COMPLETE OR
DEPARTED HOLLOWCORE
TYPE LENGTH COUNT MASS

AL	HEAVY	5' - 4 3/16"	12	4.598 m ³
AL	HEAVY	18' - 11 7/16"	3	4.264 m ³
AL	HEAVY	18' - 11 3/4"	33	46.345 m ³
AL	HEAVY	19' - 0"	6	8.550 m ³
AL	HEAVY	19' - 0 1/8"	1	1.426 m ³
AL	HEAVY	19' - 0 3/8"	3	4.282 m ³
AL	HEAVY	19' - 9"	4	5.925 m ³
AL	HEAVY	21' - 9 5/8"	4	6.541 m ³
AL	HEAVY	23' - 9"	4	7.125 m ³
AL	HEAVY	24' - 8"	22	40.701 m ³
AL	HEAVY	24' - 8" 9/16"	4	7.415 m ³
AL	HEAVY	25' - 11"	127	246.860 m ³
AL	HEAVY	26' - 6"	5	9.938 m ³
AL	HEAVY	27' - 8" 7/16"	1	2.078 m ³
AL	HEAVY	27' - 10"	4	8.350 m ³
AL	HEAVY	28' - 0"	27	56.701 m ³
AL	HEAVY	28' - 6" 9/16"	3	6.423 m ³

482.498 m³

FOUNDATION

TYPE LONG WIDTH HEIGHT COUNT MASS

FT90a	9' - 0"	9' - 0"	1' - 8"	2	7.65 m ³
FT90b	9' - 0"	9' - 0"	1' - 8"	3	11.47 m ³
FT96a	9' - 6"	9' - 6"	1' - 8"	1	4.26 m ³
FT96b	9' - 6"	9' - 6"	1' - 8"	3	12.78 m ³
FT100	10' - 0"	10' - 0"	2' - 1"	5	29.50 m ³
FT106a	10' - 6"	10' - 6"	2' - 1"	4	26.02 m ³
FT106b	10' - 6"	10' - 6"	2' - 3"	1	7.02 m ³
FT110a	11' - 0"	11' - 0"	2' - 1"	8	57.11 m ³
FT110b	11' - 0"	11' - 0"	2' - 3"	2	15.42 m ³

171.21 m³

STRUCTURAL COLUMN

POSITION HEIGHT MASS

A1	8' - 8"	0.44 m ³
A2	8' - 8"	0.44 m ³
A3	8' - 8"	0.44 m ³
A4	8' - 8"	0.44 m ³
A5	8' - 8"	0.47 m ³
B2	8' - 8"	0.50 m ³
B3	8' - 8"	0.53 m ³
B4	8' - 8"	0.53 m ³
B5	8' - 8"	0.53 m ³
C1	8' - 8"	0.47 m ³
C2	8' - 8"	0.47 m ³
C3	8' - 8"	0.47 m ³
C4	8' - 8"	0.47 m ³
C5	8' - 8"	0.50 m ³
D1	8' - 8"	0.47 m ³
D2	8' - 8"	0.47 m ³
D3	8' - 8"	0.47 m ³
D4	8' - 8"	0.47 m ³
D5	8' - 8"	0.50 m ³
F1	8' - 0"	0.43 m ³
F2	8' - 0"	0.43 m ³
F3	8' - 0"	0.43 m ³
F4	8' - 0"	0.43 m ³
F5	8' - 0"	0.47 m ³
G1	8' - 8"	0.47 m ³
G2	8' - 8"	0.47 m ³
G3	8' - 8"	0.47 m ³
G4	8' - 8"	0.47 m ³
G5	8' - 8"	0.50 m ³

13.63 m³

Date Description

