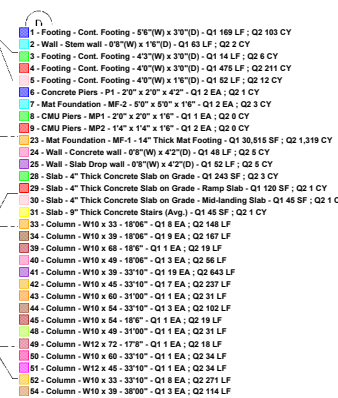




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FOUNDATION NOTES	
1.	ALL PLUMBING RISERS MUST BE LOCATED SO THAT THERE ARE NO PENETRATIONS LOCATED THROUGH THICKENED PORTION OF MAT FOUNDATION AND A MINIMUM 2'-6" FROM FACE OF COLUMNS. TOP OF SLAB ELEVATION - 0'-0" BATTIN AS ACTUAL ELEVATION OF 88.54' UNDO ON PLAN
2.	REFER TO ARCH DRAWINGS FOR EDGE OF SLAB DIMENSIONS AND ELEVATIONS.

CONCRETE BEAM SCHEDULE						
MARK	SIZE (WxD)	LONGITUDINAL REBAR		TRANSVERSE TIES		COMMENTS
		TOP	BOTTOM	LEGS	SIZE & SPACING	
CS-3	12 x 18	3#4	3#4	3	4#4 @ 6" C	

MARK	FOOTING SIZE	VERT. REINF.	TIES
P1	24" x 24"	(12) #2	#4 TCS @ 32" O.C.
P2	30" x 24"	(14) #2	#4 TCS @ 32" O.C.

NOTES:
 1. REFER TO P1 DETAIL ON S204, FOR SIMILAR DETAILS FOR ALL PIERS.
 2. ALL STEEL WALK-IN REINFORCEMENT SHALL BE CONTINUOUS AT 5 BAR WALL AND PIER INTERSECTIONS.

-
- Deck - Q1 3,879 SF
- 7 7.1 7.9 8.1 8.2 9 9.1 9.2 D 11.1
- E.5 E.4 E.3 E.2 E.1
- 7 7.1 7.9 8.1 8.2 9 9.1 9.2 D 11.1

REMARK: $1/\mathbf{I}^* = \mathbf{I}^* - \mathbf{Q}^*$

FLOOR SCHEDULE	
MASK	DESCRIPTION
S ^a - structural steel	
S-1	1 1/2"x6" GAL. TYPE B METAL ROOF DECK
S-1	4 1/2"x8" H.W. CONCRETE ON PULVINO, CAMPOS TO METAL DECK REINFORCED W/ W.M.F.s @ 2'-0" X 2'-0" (S 1/2" TOTAL THICKNESS)
S-2	5 1/4" L.W. CONCRETE ON PULVINO, CAMPOS TO METAL DECK REINFORCED W/ W.M.F.s @ 2'-0" X 2'-0" (S 1/4" TOTAL THICKNESS)

CMU PIER SCHEDULE			
WALL	FOOTING SIZE	VERT. REINF.	"ES
WP1	24" x 24"	(4) #7	#4 TIES @ 16" O.C.
WP2	16" x 16"	(4) #7	#4 TIES @ 16" O.C.

NOTE:
 1. REFER TO P1 DETAIL ON S004, FOR SIMILAR DETAILS FOR ALL PIERS.
 2. ALL S-EAT WALL REINFORCEMENT SHALL BE CONTINUOUS IF SHEAR WALL AND PIER INTERSECTIONS.

CONCRETE PIER SCHEDULE			
MARK	FOOTING SIZE	VERT. REINF.	RTS
P1	24" x 24"	(12) #7	#4 TIES @ 12" O.C.
P2	30" x 24"	(14) #7	#4 TIES @ 12" O.C.

NOTE:
 1. REFER TO "D" DETAIL ON S204, FOR SIMILAR DETAILS FOR ALL PIERS.
 2. ALL SHEAR WALL REINFORCEMENT SHALL BE CONTINUOUS A SHEAR WALL AND PIER INTERSECTIONS.

- 63 Beams - W12 x 19 (06) - Q1 40 LF
- 65 Beams - W18 x 35 - Q1 20 LF
- 69 Beams - W12 x 19 - Q1 55 LF
- 70 Beams - W14 x 22 - Q1 51 LF
- 72 Beams - W16 x 31 - Q1 57 LF
- 80 Beams - W08 x 10 - Q1 9 LF
- 82 Beams - W14 x 22 (12) - Q1 39 LF
- 84 Beams - W21 x 44 (42) - Q1 30 LF
- 103 Beams - W12 x 19 (16) - Q1 25 LF
- 124 Metal Deck - RD-1 - 1 1/2" x 18 Ga. Type B Metal Roof Deck - Q1 6,418 SF
- 132 Metal Deck - SL-2 - 2 1/4" x 18 Ga. Composite Metal Deck - Q1 7,799 SF
- 150 Beams - W12 x 16 - Q1 92 LF
- 179 Beams - W14 x 22 (20) - Q1 7 LF
- 182 Slab on Metal Deck - 5 1/4" LW Concrete - Q1 7,799 SF; Q2 126 CY
- 183 Metal Deck - SL-2 - 2 1/4" x 18 Ga. Composite Metal Deck - Q1 7,799 SF
- 184 Beams - W24 x 76 (46) - Q1 37 LF
- 185 Beams - W18 x 35 (16) - Q1 24 LF
- 186 Beams - W12 x 22 - Q1 7 LF
- 187 Beams - W08 x 15 (ROOF BEAM) - Q1 32 LF
- 188 Beams - W18 x 50 (11) - Q1 31 LF
- 189 Beams - W21 x 50 (30) - Q1 39 LF
- 190 Beams - W18 x 40 (29) - Q1 37 LF
- 191 Beams - W18 x 40 (28) - Q1 37 LF
- 192 Beams - W12 x 14 (08) - Q1 8 LF
- 193 Beams - W40 x 149 (83) - Q1 120 LF
- 194 Beams - W40 x 249 (81) - Q1 89 LF
- 195 Beams - W40 x 324 (79) - Q1 75 LF
- 196 Beams - W08 x 20 - Q1 43 LF
- 197 Beams - W40 x 431 (76) - Q1 52 LF
- 198 Beams - W40 x 215 (47) - Q1 73 LF

FRAMING PLAN LEGEND	
MARK	DESCRIPTION
	LOCATES TOP OF SLAB OR ROOF DECK ELEVATION. VERIFY ALL ELEVATIONS WITH ARCHITECTURAL DRAWINGS.
	LOCATES CONCRETE SLAB ON METAL DECK. SEE SL-1/SL-2.
	LOCATES CONCRETE SLAB ON METAL DECK. SEE SL-1/SL-2.
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	LOCATES CONCRETE SLAB ON METAL DECK. SEE SL-1/SL-2.

FLOOR SCHEDULE	
MARK	DESCRIPTION
1-1	1 1/2" x 18 GA. TYPE B METAL ROOF DECK
2-1	2 1/4" x 18 GA. COMPOSITE METAL DECK. CONCRETE ON METAL DECK. REINFORCED W/ W 1/2" x 18 GA. BARS @ 12" O.C.
3-1	3 1/4" x 18 GA. COMPOSITE METAL DECK. CONCRETE ON METAL DECK. REINFORCED W/ W 1/2" x 18 GA. BARS @ 12" O.C.
4-1	4 1/4" x 18 GA. COMPOSITE METAL DECK. CONCRETE ON METAL DECK. REINFORCED W/ W 1/2" x 18 GA. BARS @ 12" O.C.

CONCRETE BEAM SCHEDULE	
MARK	DESCRIPTION
1-1	1 1/2" x 18 GA. TYPE B METAL ROOF DECK
2-1	2 1/4" x 18 GA. COMPOSITE METAL DECK. CONCRETE ON METAL DECK. REINFORCED W/ W 1/2" x 18 GA. BARS @ 12" O.C.
3-1	3 1/4" x 18 GA. COMPOSITE METAL DECK. CONCRETE ON METAL DECK. REINFORCED W/ W 1/2" x 18 GA. BARS @ 12" O.C.
4-1	4 1/4" x 18 GA. COMPOSITE METAL DECK. CONCRETE ON METAL DECK. REINFORCED W/ W 1/2" x 18 GA. BARS @ 12" O.C.

CMU PIER SCHEDULE	
MARK	DESCRIPTION
1-1	1 1/2" x 18 GA. TYPE B METAL ROOF DECK
2-1	2 1/4" x 18 GA. COMPOSITE METAL DECK. CONCRETE ON METAL DECK. REINFORCED W/ W 1/2" x 18 GA. BARS @ 12" O.C.
3-1	3 1/4" x 18 GA. COMPOSITE METAL DECK. CONCRETE ON METAL DECK. REINFORCED W/ W 1/2" x 18 GA. BARS @ 12" O.C.
4-1	4 1/4" x 18 GA. COMPOSITE METAL DECK. CONCRETE ON METAL DECK. REINFORCED W/ W 1/2" x 18 GA. BARS @ 12" O.C.

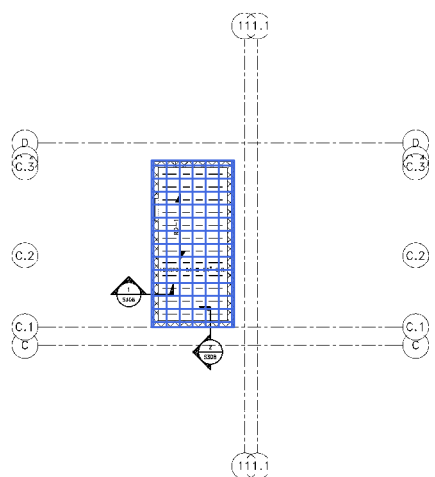
CONCRETE PIER SCHEDULE	
MARK	DESCRIPTION
1-1	1 1/2" x 18 GA. TYPE B METAL ROOF DECK
2-1	2 1/4" x 18 GA. COMPOSITE METAL DECK. CONCRETE ON METAL DECK. REINFORCED W/ W 1/2" x 18 GA. BARS @ 12" O.C.
3-1	3 1/4" x 18 GA. COMPOSITE METAL DECK. CONCRETE ON METAL DECK. REINFORCED W/ W 1/2" x 18 GA. BARS @ 12" O.C.
4-1	4 1/4" x 18 GA. COMPOSITE METAL DECK. CONCRETE ON METAL DECK. REINFORCED W/ W 1/2" x 18 GA. BARS @ 12" O.C.

3RD FLOOR FRAMING PLAN PART B

WALL: 12" x 12" CMU

- 1. TOP OF ROOF DECK EL. = 10.00' U.S.D. ON PLAN
- 2. REFER TO ARCH. DRAWING FOR ALL DIMENSIONS, SPACING LOCATIONS AND SIZES. ELEVATIONS, SIZE OF SLAB AND SLAB PENETRATIONS.
- 3. ALL BEAMS ARE EQUALLY SPACED. REFER TO COLUMN/WALL SCHEDULE.
- 4. ALL COLUMNS, WITH UNITS SHOULD BE EQUALLY SUPPORTED BY TWO SIZES. WALLS.

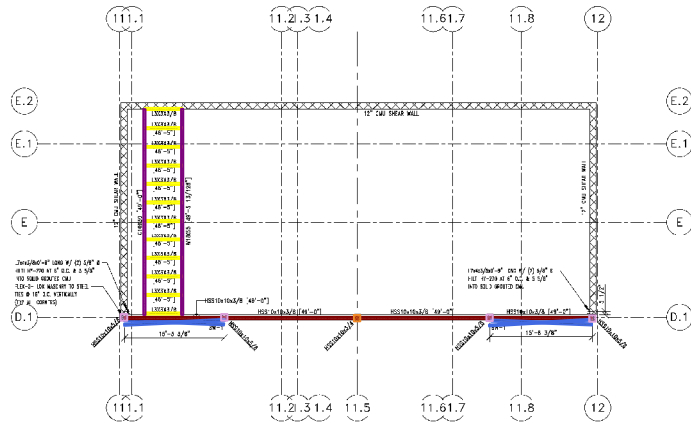
CHRISTIE ENGINEERING, P.C.
CONSULTING ENGINEERS
 311 BROADWAY, 10TH FLOOR, NEW YORK, NY 10003
 PHONE: (908) 470-1919 WWW.CHRISTIEENGINEERING.COM
 DE REGISTRY #19-012



BULKHEAD FRAMING PLAN
Scale: 1/8" = 1'-0"

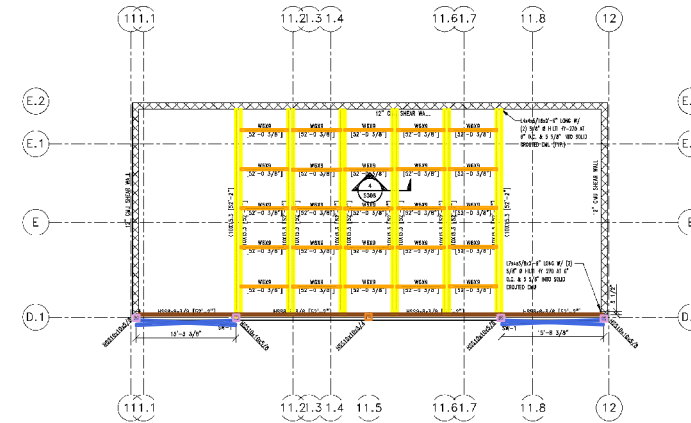
- NOTES:
1. TOP OF SLAB ELEVATION C = SEE PLAN
 2. REFER TO ARCH AND MECH DRAWINGS FOR ALL WALL ELEVATIONS, DIMENSIONS, OPENING SIZES AND LOCATIONS, SLAB FINISHES, ETC.

- 167 - Slab on Metal Deck - 4 1/2" NW Concrete - Q1 2,304 SF; Q2 32 CY
- 168 - Metal Deck - SL-1 - 2 VLI x 18 Ga. Composite Metal Deck - Q1 2,304 SF
- 169 - Beams - W18 x 35 (16) - Q1 416 LF
- 170 - Beams - L 3 x 3 x 3/8 - Q1 68 LF
- 199 - Beams - W18 x 158 - Q1 320 LF
- 200 - Beams - W18 x 97 - Q1 32 LF
- 201 - Beams - W18 x 76 - Q1 32 LF
- 202 - Beams - W24 x 62 - Q1 72 LF
- 203 - Column - HSS 10 x 10 x 5/8 - Q1 16 EA; Q2 283 LF
- 204 - Column - HSS 10 x 10 x 3/4 - Q1 4 EA; Q2 71 LF
- 205 - Beams - W18 x 40 (12) - Q1 72 LF
- 206 - Beams - C10 x 30 - Q1 32 LF
- 207 - Beams - C10 x 15.3 - Q1 380 LF
- 208 - Beams - W06 x 09 - Q1 188 LF
- 209 - Beams - HSS 8 x 4 x 3/8 - Q1 71 LF
- 210 - Beams - HSS 10 x 10 x 3/8 - Q1 72 LF
- 211 - Beams - SW-1 - Q1 248 LF



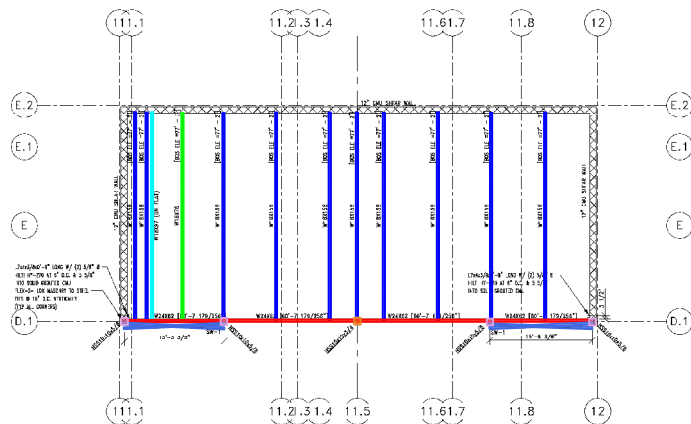
FLYTOWER LOADING BRIDGE FRAMING PLAN

SCALE: 1/8" = 1'-0"



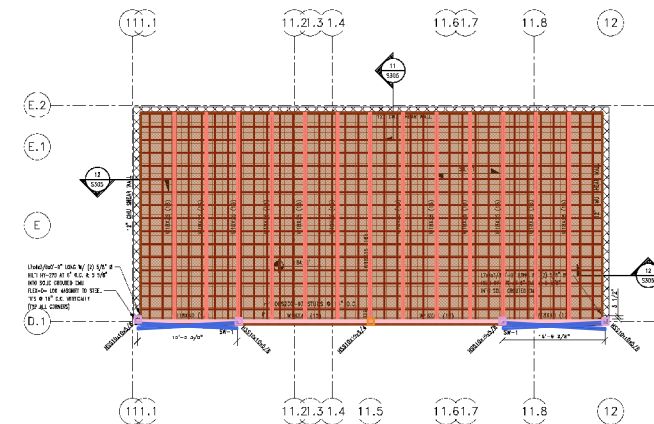
FLYTOWER GRIDIRON LEVEL FRAMING PLAN

SCALE: 1/8" = 1'-0"



FLYTOWER RIGGING STEEL FRAMING PLAN

SCALE: 1/8" = 1'-0"



FLYTOWER ROOF FRAMING PLAN

SCALE: 1/8" = 1'-0"

