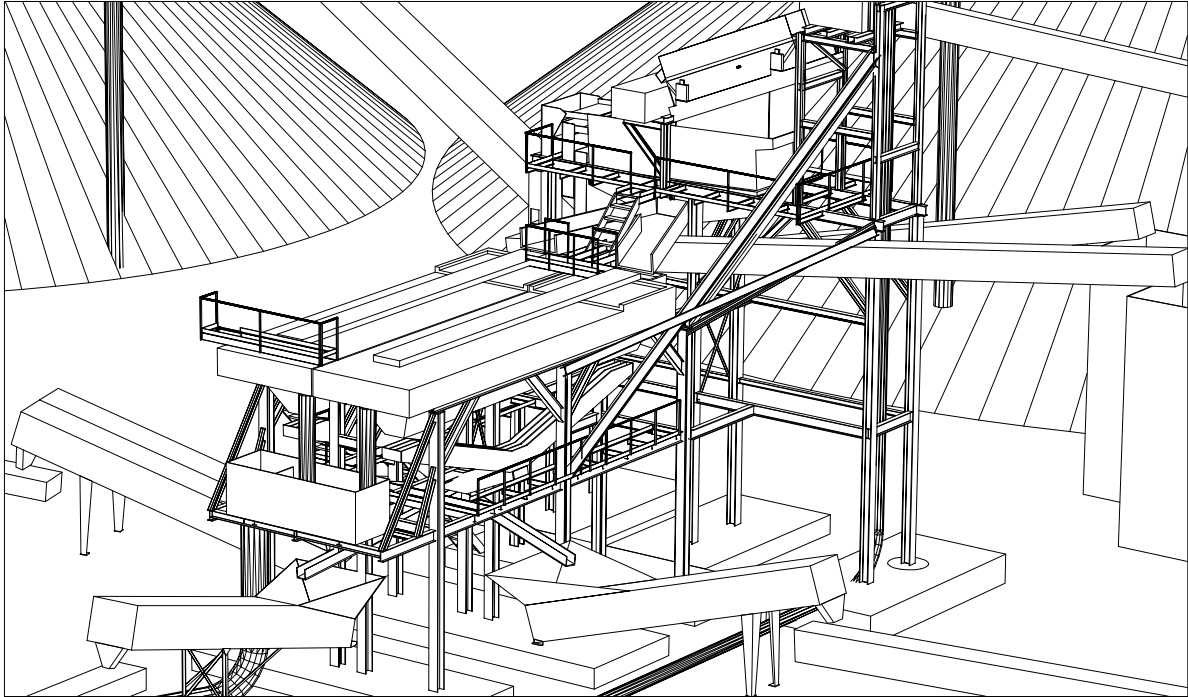


ALLECO STONE CLASSIFYING TOWER CONSTRUCTION



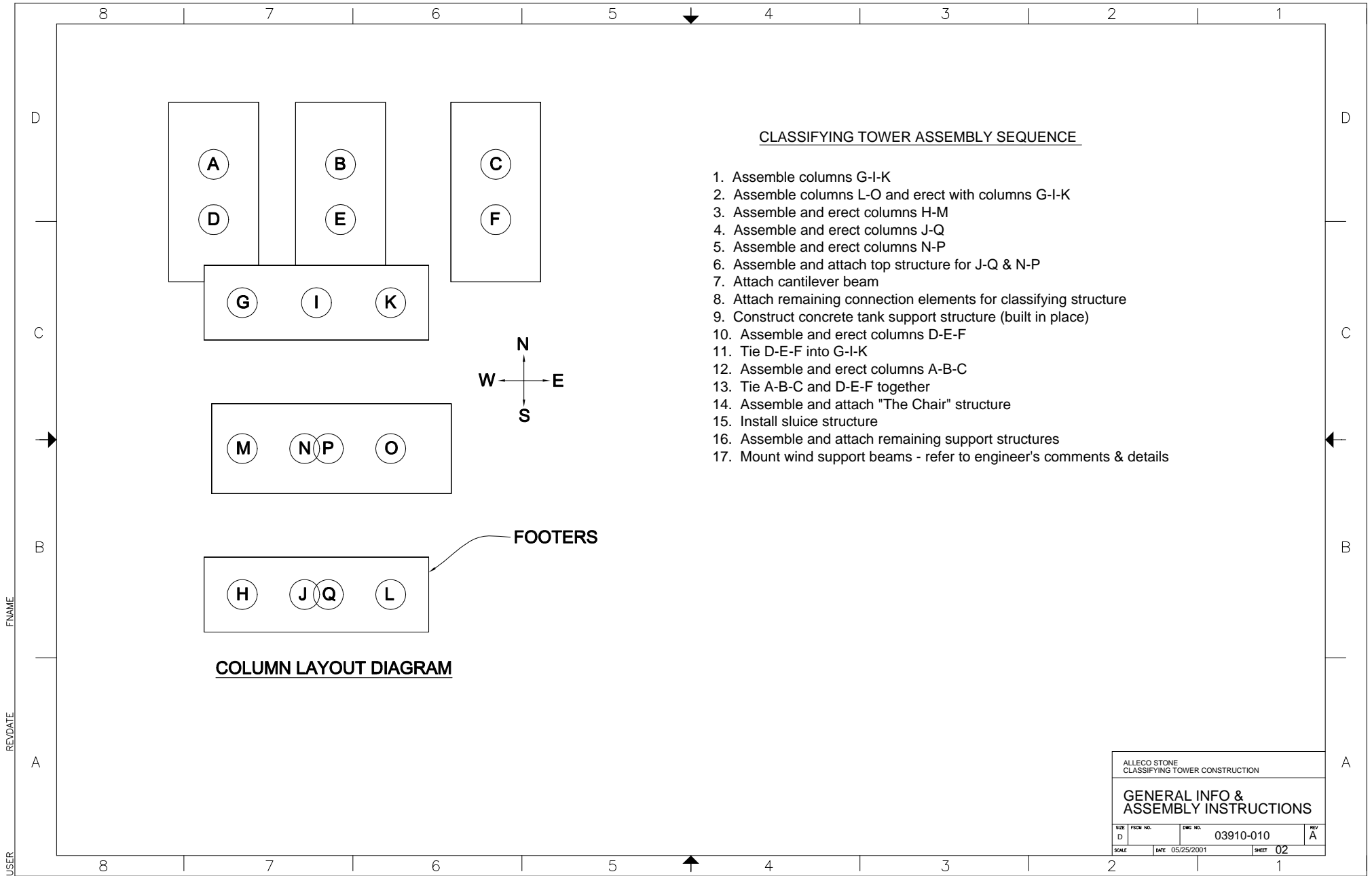
SHEET INDEX

- 01 - Title Sheet
- 02 - General Info & Assembly Instructions
- 03 - G-I-K Assembly
- 04 - L-O Column Assembly
- 05 - H-M Column Assembly
- 06 - J-Q Column Assembly
- 07 - N-P Column Assembly
- 08 - Top Structure for J-Q & N-P
- 09 - Catilever Beam
- 10 - Remaining Connection Elements
- 11 - Concrete Tank Support Structure
- 12 - D-E-F Column Assembly
- 13 - D-E-F & G-I-K Connection Elements
- 14 - A-B-C Column Assembly
- 15 - A-B-C & D-E-F Connection Elements
- 16 - "The Chair" Assembly
- 17 - Sluice Installation
- 18 - Remaining Support Structure 1
- 19 - Remaining Support Structure 2

ALLECO STONE
CLASSIFYING TOWER CONSTRUCTION

TITLE SHEET

SIZE	FSOM NO.	DWG NO.	REV
D		03910-009	B
SCALE	DATE	SHEET	
	05/25/2001	01	



CLASSIFYING TOWER ASSEMBLY SEQUENCE

1. Assemble columns G-I-K
2. Assemble columns L-O and erect with columns G-I-K
3. Assemble and erect columns H-M
4. Assemble and erect columns J-Q
5. Assemble and erect columns N-P
6. Assemble and attach top structure for J-Q & N-P
7. Attach cantilever beam
8. Attach remaining connection elements for classifying structure
9. Construct concrete tank support structure (built in place)
10. Assemble and erect columns D-E-F
11. Tie D-E-F into G-I-K
12. Assemble and erect columns A-B-C
13. Tie A-B-C and D-E-F together
14. Assemble and attach "The Chair" structure
15. Install sluice structure
16. Assemble and attach remaining support structures
17. Mount wind support beams - refer to engineer's comments & details

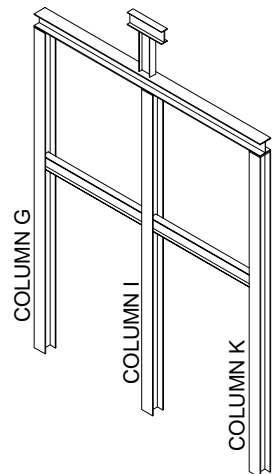
COLUMN LAYOUT DIAGRAM

FOOTERS

ALLECO STONE CLASSIFYING TOWER CONSTRUCTION			
GENERAL INFO & ASSEMBLY INSTRUCTIONS			
SIZE	FSCM NO.	DWG NO.	REV
D		03910-010	A
SCALE	DATE	SHEET	
	05/25/2001	02	

8 7 6 5 4 3 2 1

D
C
B
A

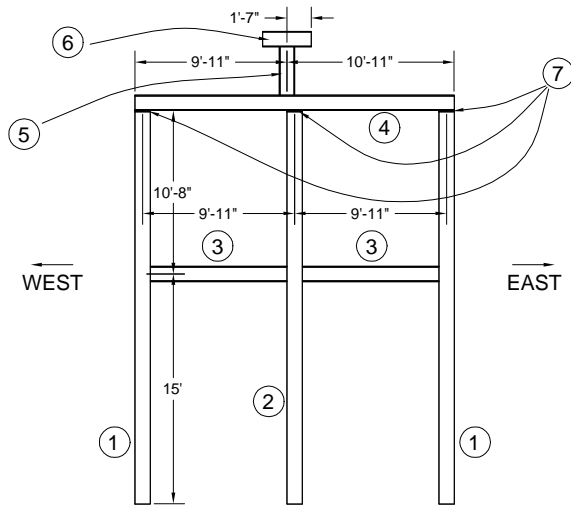


STEEL SCHEDULE

- ① W 12x65 25'-7"
- ② W 12x72 25'-7"
- ③ W12x26 9'-10 1/2"
- ④ W12x30 20'-10"
- ⑤ W6x9 3'-2"
- ⑥ w12x14 3'-2"
- ⑦ 12"x12"x1" PLATE

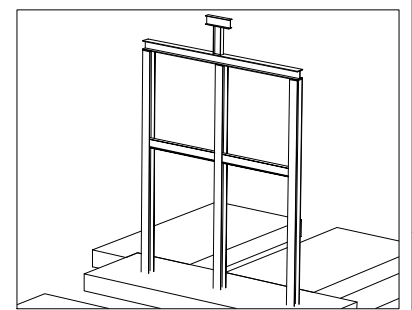
TOP VIEW

ISOMETRIC VIEW



FRONT VIEW

SIDE VIEW



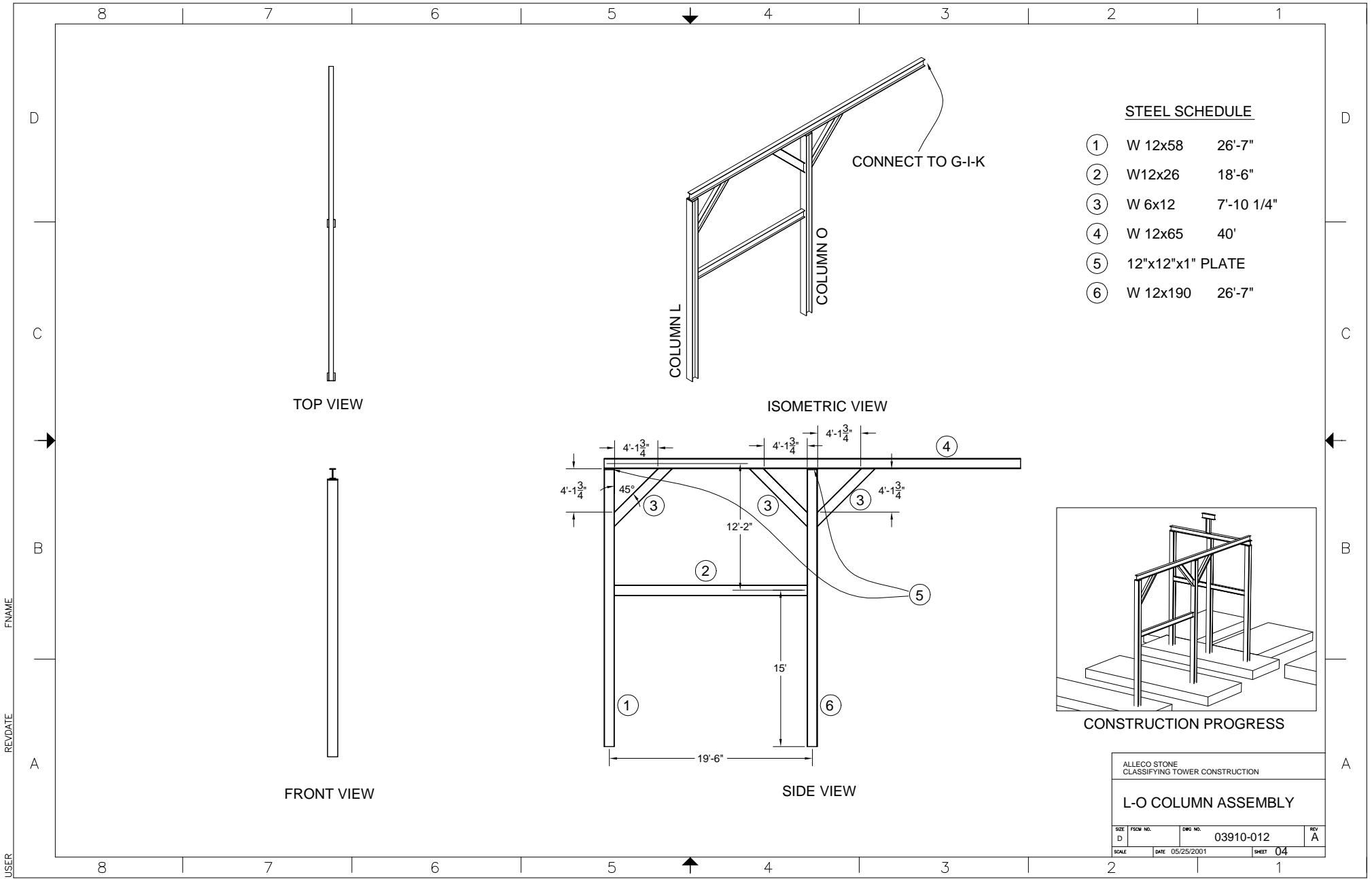
CONSTRUCTION PROGRESS

ALLECO STONE CLASSIFYING TOWER CONSTRUCTION			
G-I-K COLUMN ASSEMBLY			
SIZE	FSCM NO.	DWG NO.	REV
D		03910-011	A
SCALE	DATE	SHEET	
	05/25/2001	03	

8 7 6 5 4 3 2 1

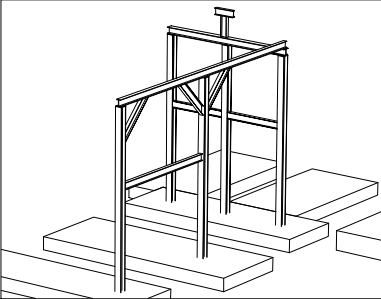
USER
RE/DATE
FNAME

D
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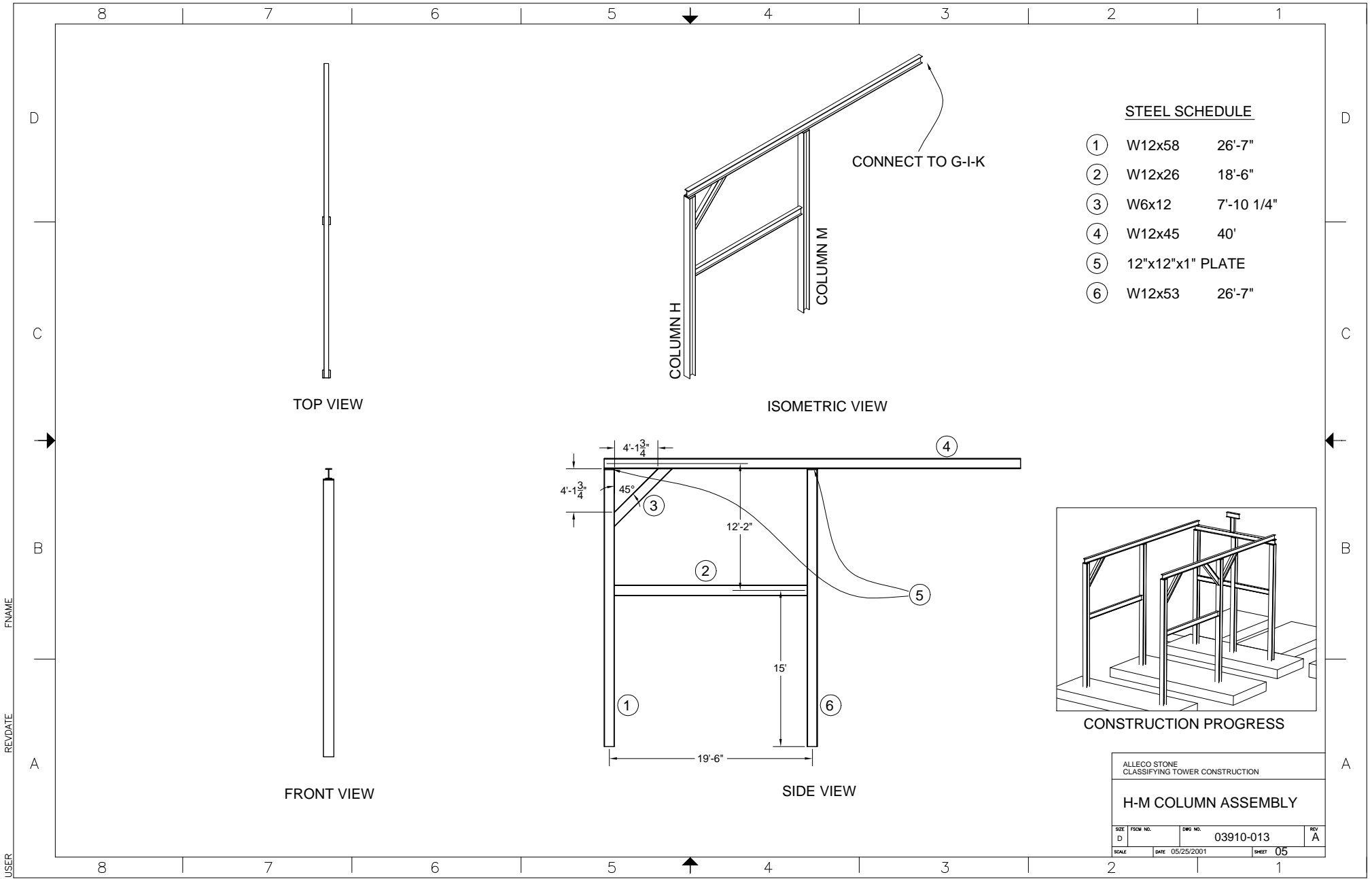


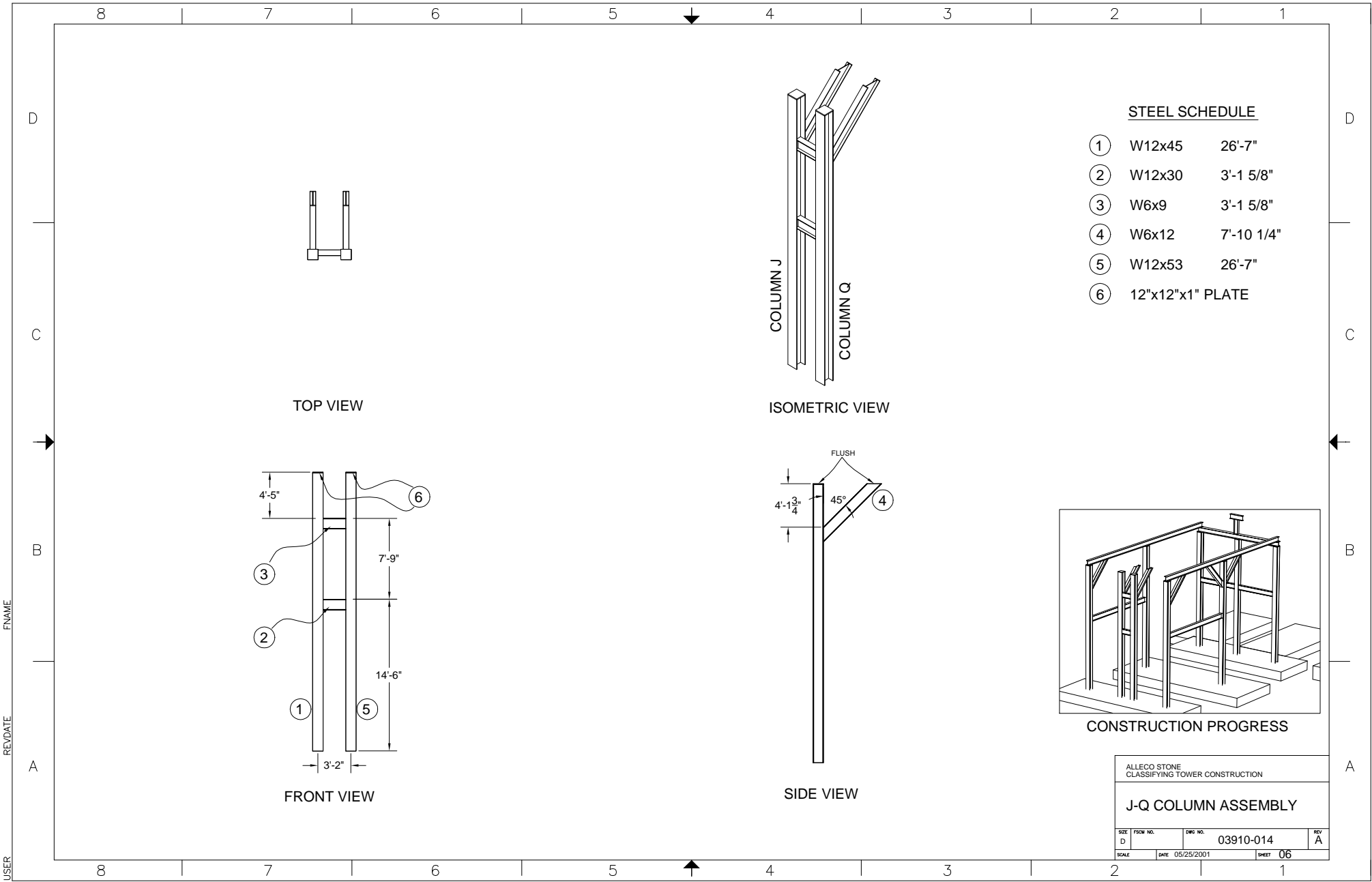
STEEL SCHEDULE

- ① W 12x58 26'-7"
- ② W12x26 18'-6"
- ③ W 6x12 7'-10 1/4"
- ④ W 12x65 40'
- ⑤ 12"x12"x1" PLATE
- ⑥ W 12x190 26'-7"



ALLECO STONE CLASSIFYING TOWER CONSTRUCTION			
L-O COLUMN ASSEMBLY			
SIZE	FSCM NO.	DWG NO.	REV
D		03910-012	A
SCALE	DATE	SHEET	
	05/25/2001	04	





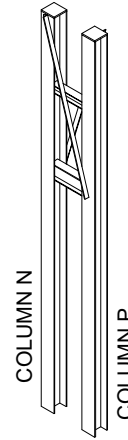
ALLECO STONE
CLASSIFYING TOWER CONSTRUCTION

J-Q COLUMN ASSEMBLY

SIZE	FSCM NO.	DWG NO.	REV
D		03910-014	A
SCALE	DATE	SHEET	
	05/25/2001	06	

STEEL SCHEDULE

- ① W12x65 26'-7"
- ② W12x53 3'-1 5/8"
- ③ W6x12 3'-1 5/8"
- ④ 6"x6"x0.5" L 11'-1 1/2"
- ⑤ 12"x12"x1" PLATE
- ⑥ W12x53 26'-7"



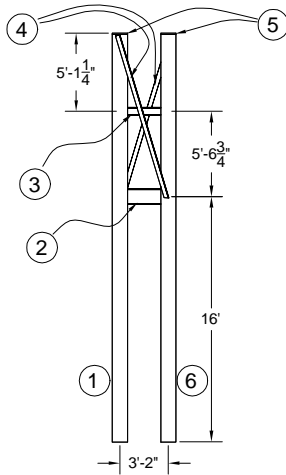
ISOMETRIC VIEW



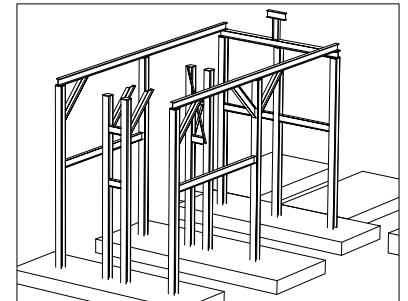
SIDE VIEW



TOP VIEW



FRONT VIEW

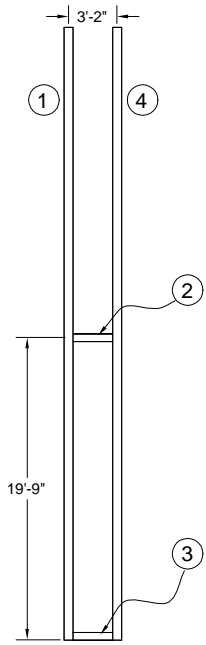


CONSTRUCTION PROGRESS

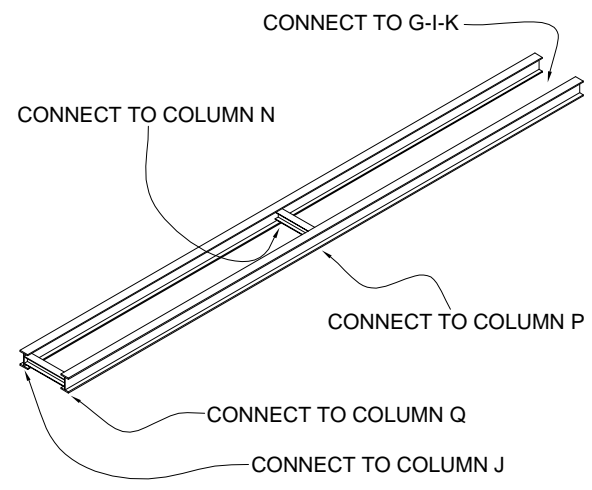
ALLECO STONE
CLASSIFYING TOWER CONSTRUCTION

N-P COLUMN ASSEMBLY

SIZE	FSCM NO.	DWG NO.	REV
D		03910-015	A
SCALE	DATE	SHEET	
	05/25/2001	07	



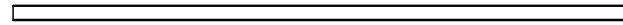
TOP VIEW



ISOMETRIC VIEW

STEEL SCHEDULE

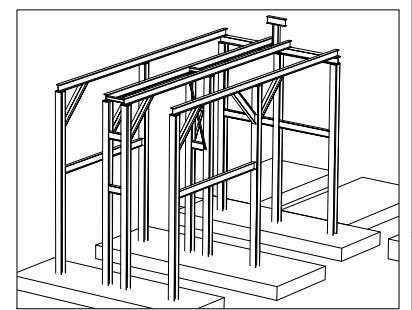
①	W12x45	40
②	W6x12	3'-1 1/2"
③	W6x9	3'-1 1/2"
④	W12x65	40



SIDE VIEW



FRONT VIEW



CONSTRUCTION PROGRESS

ALLECO STONE CLASSIFYING TOWER CONSTRUCTION			
TOP STRUCTURE FOR J-Q & N-P			
SIZE	FSCM NO.	DWG NO.	REV
D		03910-016	A
SCALE	DATE	SHEET	
	05/25/2001	08	

8 7 6 5 4 3 2 1

D

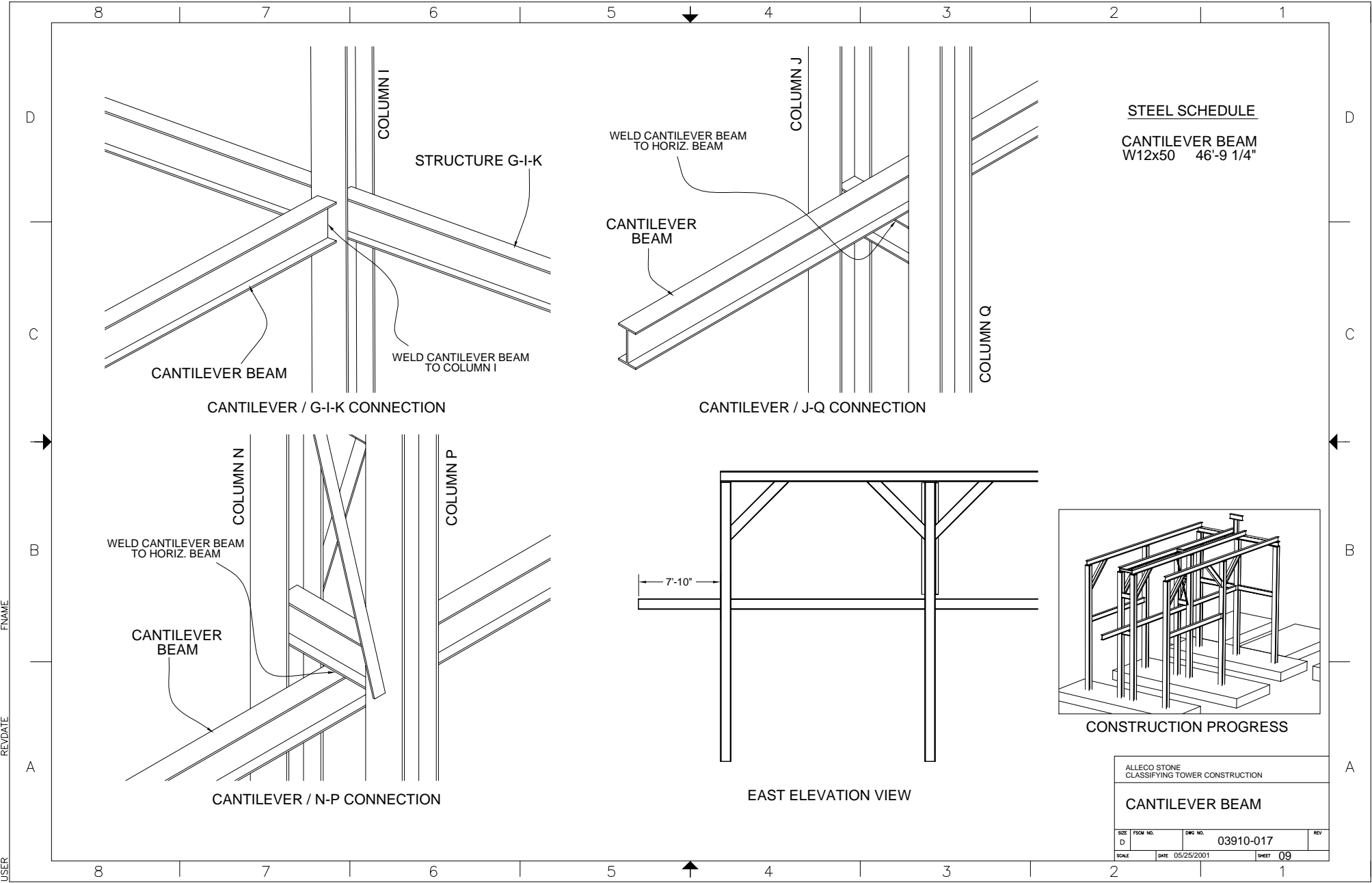
C

B

A

8 7 6 5 4 3 2 1

USER REVDATE FNAME

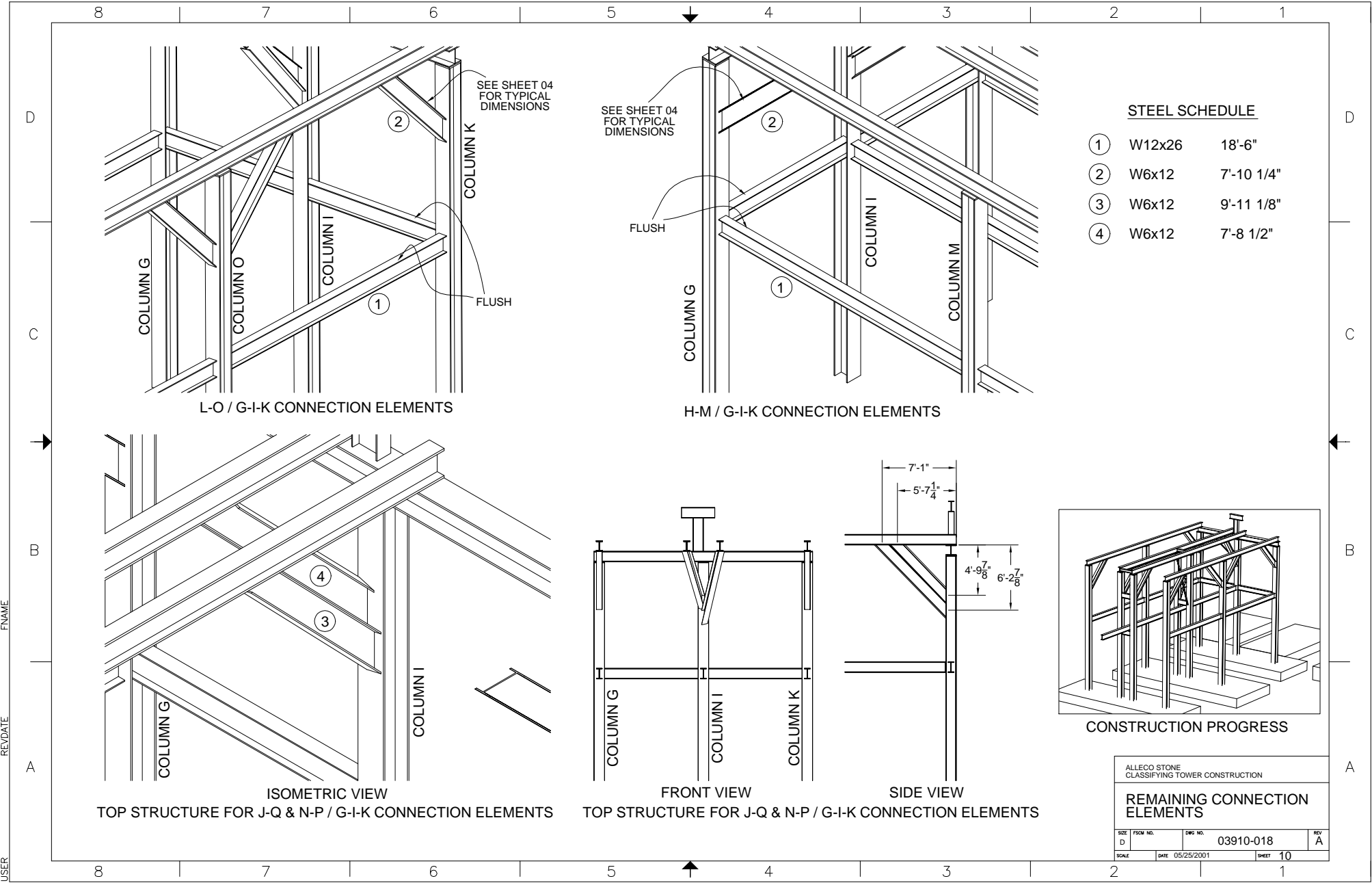


USER
RE/DATE
FNAME

ALLECO STONE
CLASSIFYING TOWER CONSTRUCTION

CANTILEVER BEAM

SIZE	FSCM NO.	DWG NO.	REV
D		03910-017	
SCALE	DATE	SHEET	
	05/25/2001	09	



STEEL SCHEDULE

①	W12x26	18'-6"
②	W6x12	7'-10 1/4"
③	W6x12	9'-11 1/8"
④	W6x12	7'-8 1/2"

L-O / G-I-K CONNECTION ELEMENTS

H-M / G-I-K CONNECTION ELEMENTS

ISOMETRIC VIEW

FRONT VIEW

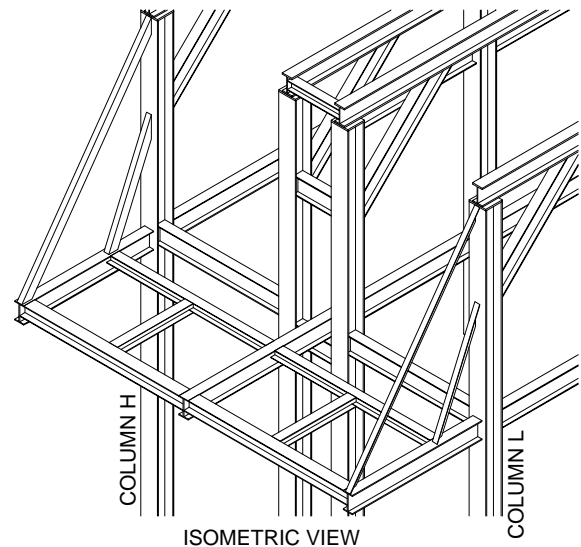
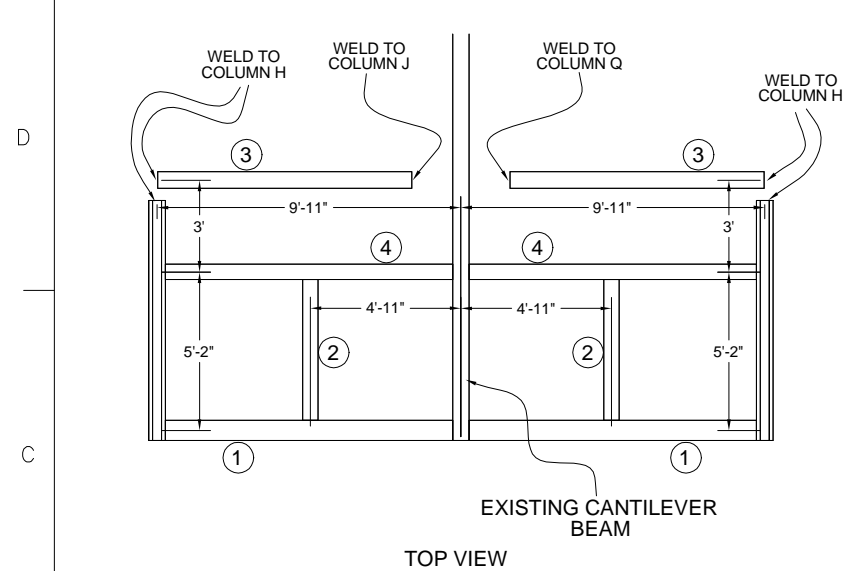
SIDE VIEW

ALLECO STONE
CLASSIFYING TOWER CONSTRUCTION

REMAINING CONNECTION ELEMENTS

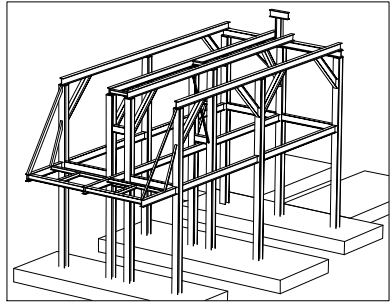
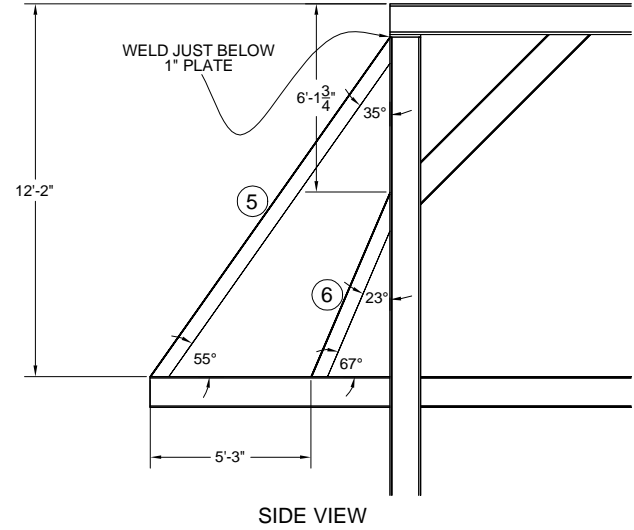
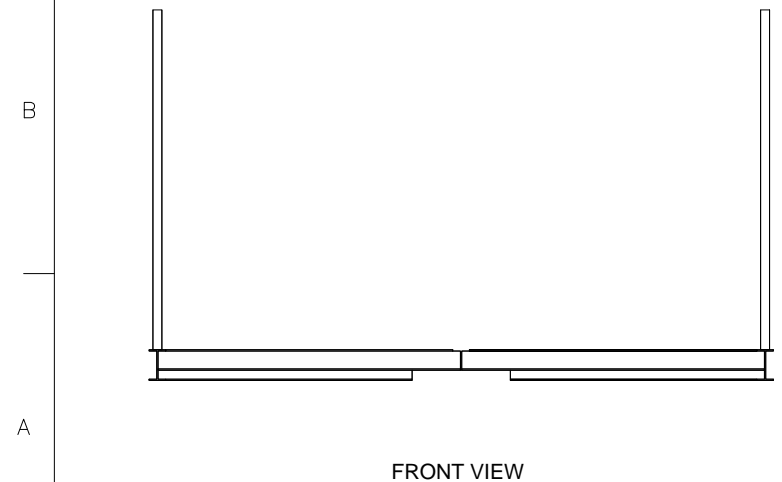
SIZE	FSCM NO.	DWG NO.	REV
D		03910-018	A
SCALE	DATE	SHEET	
	05/25/2001	10	

8 7 6 5 4 3 2 1



STEEL SCHEDULE

①	W8x18	9'-10 1/2"
②	W6x9	8'-1 5/8"
③	W6x15	8'-3 1/2"
④	W6x12	9'-11"
⑤	3.5x6x.3125 L	13'-7"
⑥	3.5x6x.3125 L	6'-6 1/2"



ALLECO STONE
CLASSIFYING TOWER CONSTRUCTION

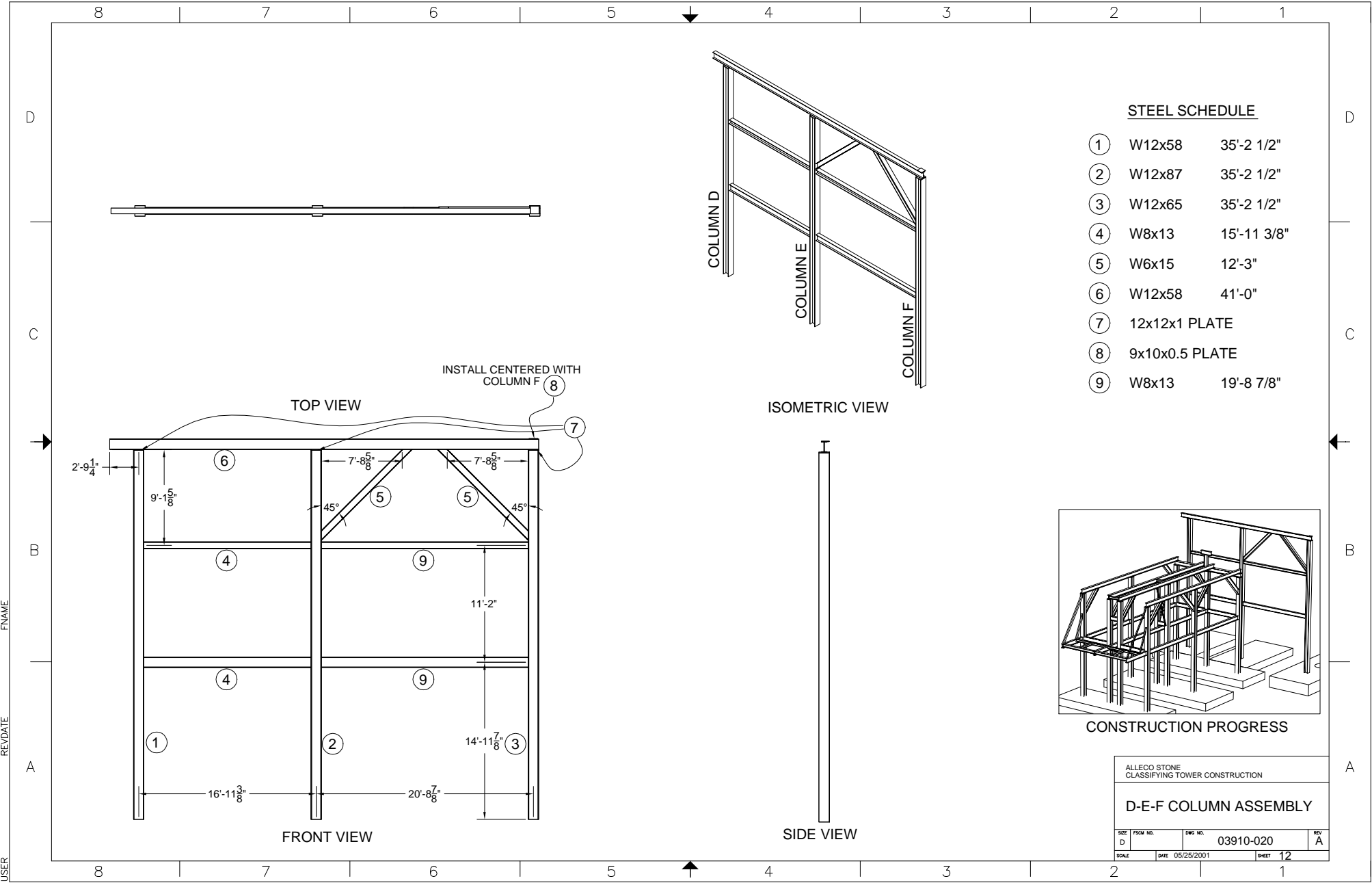
**CONCRETE TANK
SUPPORT STRUCTURE**

SIZE	FSCM NO.	DWG NO.	REV
D		03910-019	A
SCALE	DATE	SHEET	
	05/25/2001	11	

8 7 6 5 4 3 2 1

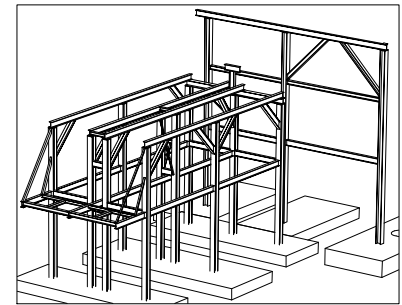
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FNAME

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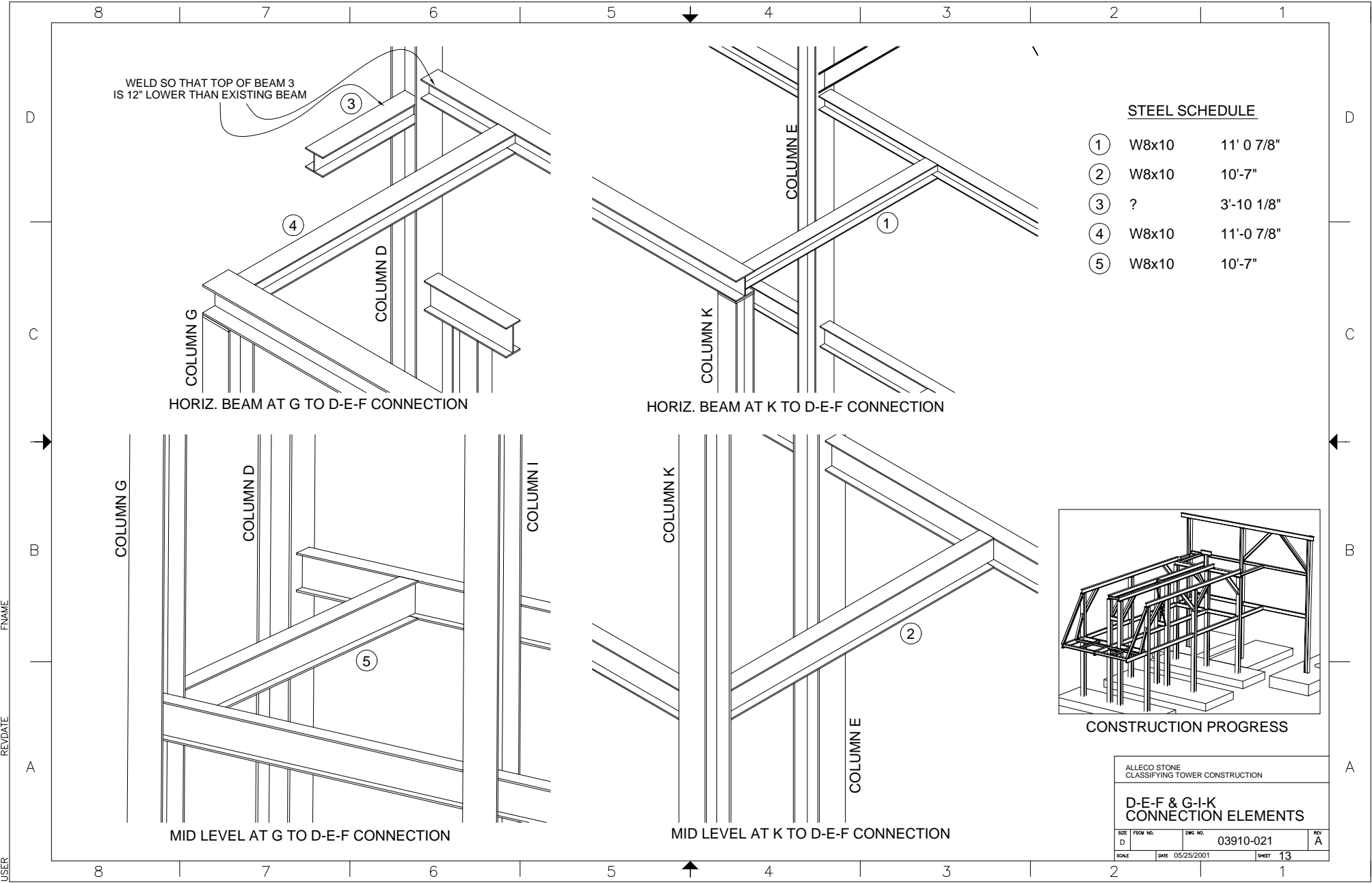
STEEL SCHEDULE

①	W12x58	35'-2 1/2"
②	W12x87	35'-2 1/2"
③	W12x65	35'-2 1/2"
④	W8x13	15'-11 3/8"
⑤	W6x15	12'-3"
⑥	W12x58	41'-0"
⑦	12x12x1 PLATE	
⑧	9x10x0.5 PLATE	
⑨	W8x13	19'-8 7/8"



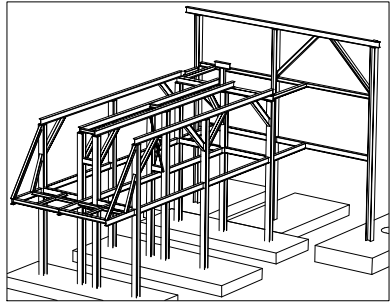
CONSTRUCTION PROGRESS

ALLECO STONE CLASSIFYING TOWER CONSTRUCTION			
D-E-F COLUMN ASSEMBLY			
SIZE	FSCM NO.	DWG NO.	REV
D		03910-020	A
SCALE	DATE	SHEET	
	05/25/2001	12	



STEEL SCHEDULE

①	W8x10	11' 0 7/8"
②	W8x10	10'-7"
③	?	3'-10 1/8"
④	W8x10	11'-0 7/8"
⑤	W8x10	10'-7"

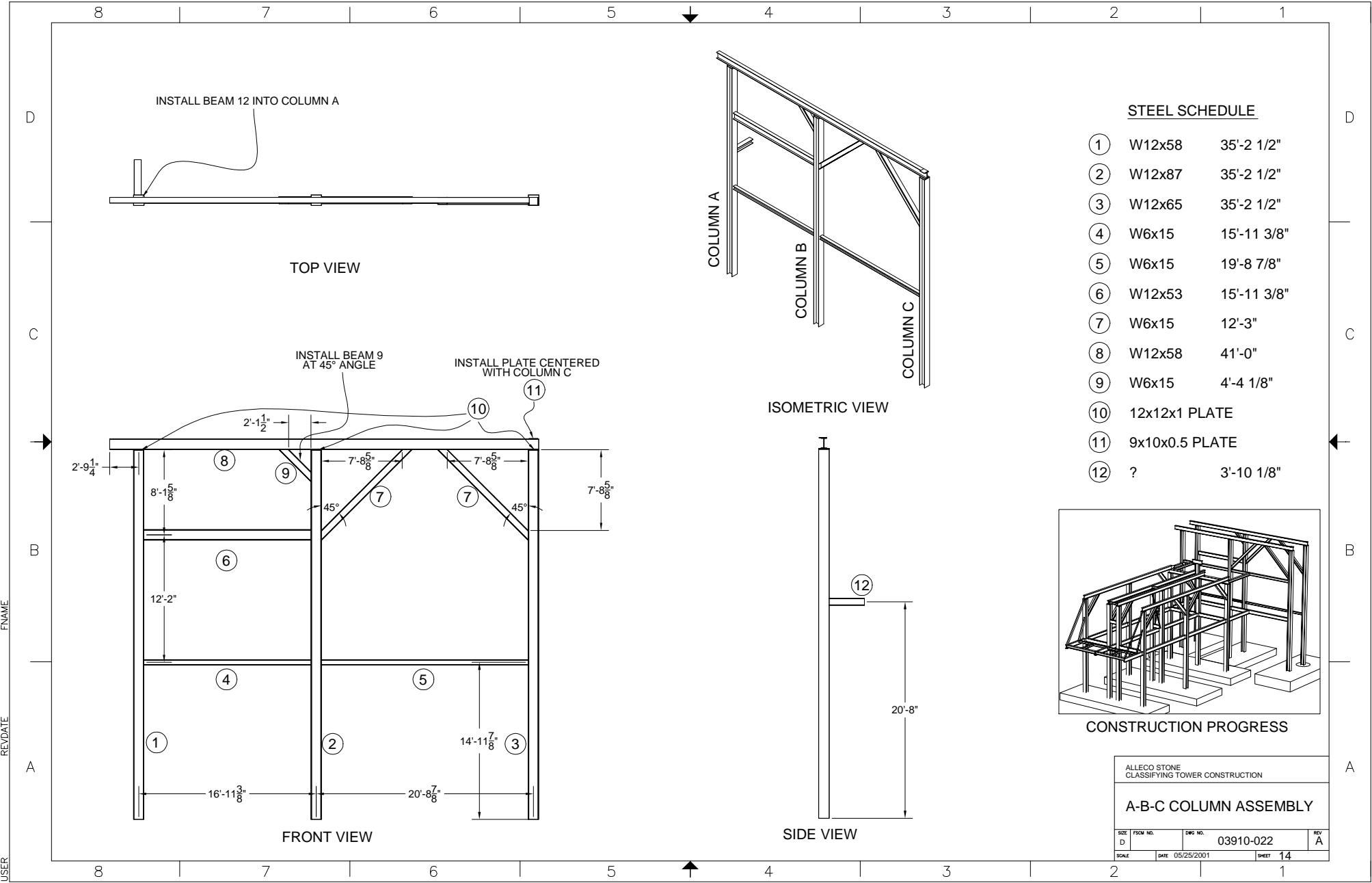


CONSTRUCTION PROGRESS

ALLECO STONE
CLASSIFYING TOWER CONSTRUCTION

**D-E-F & G-I-K
CONNECTION ELEMENTS**

SIZE	FSCM NO.	DWG NO.	REV
D		03910-021	A
SCALE	DATE	SHEET	
	05/25/2001	13	



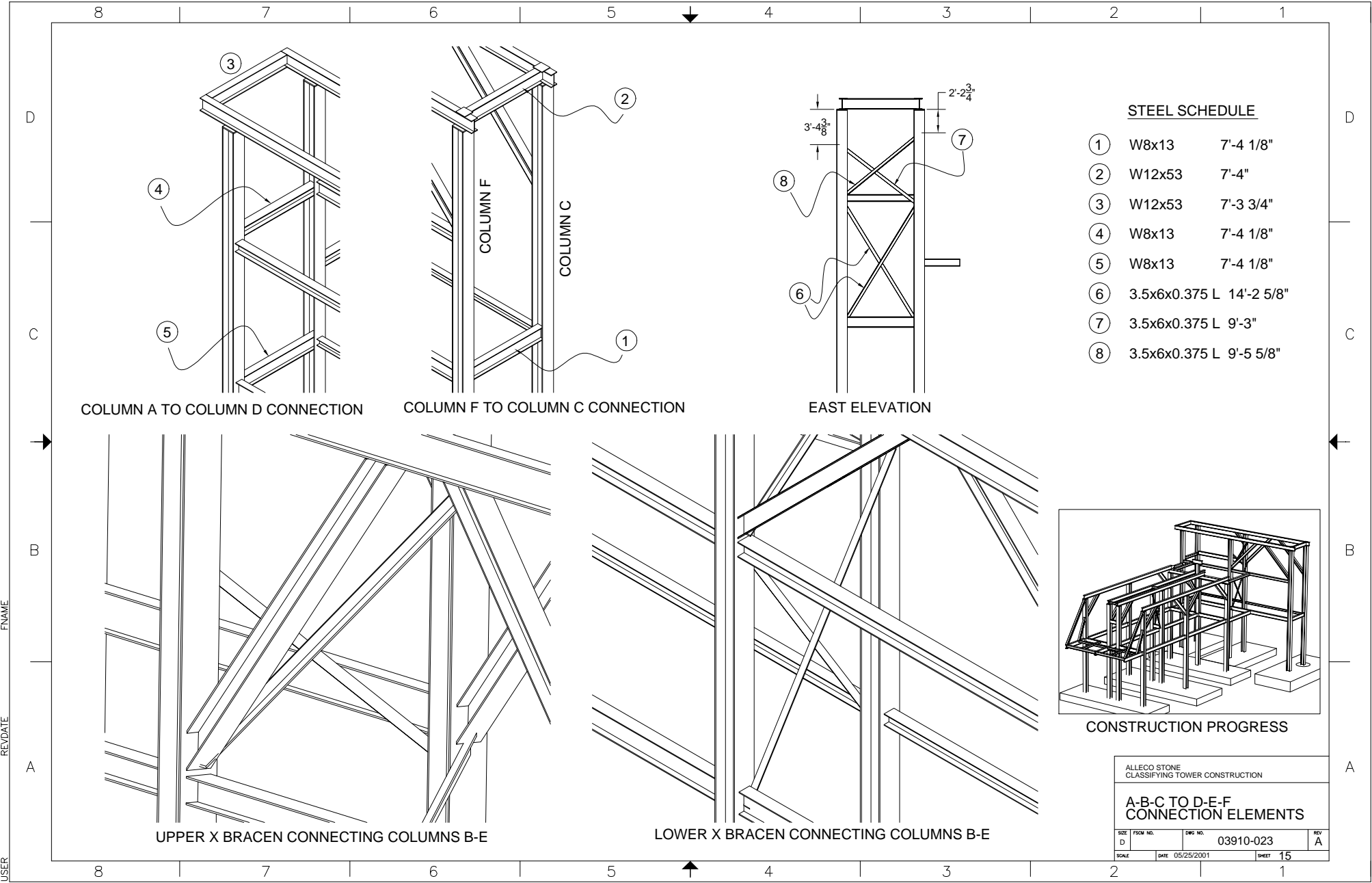
STEEL SCHEDULE

①	W12x58	35'-2 1/2"
②	W12x87	35'-2 1/2"
③	W12x65	35'-2 1/2"
④	W6x15	15'-11 3/8"
⑤	W6x15	19'-8 7/8"
⑥	W12x53	15'-11 3/8"
⑦	W6x15	12'-3"
⑧	W12x58	41'-0"
⑨	W6x15	4'-4 1/8"
⑩	12x12x1 PLATE	
⑪	9x10x0.5 PLATE	
⑫	?	3'-10 1/8"

ALLECO STONE
CLASSIFYING TOWER CONSTRUCTION

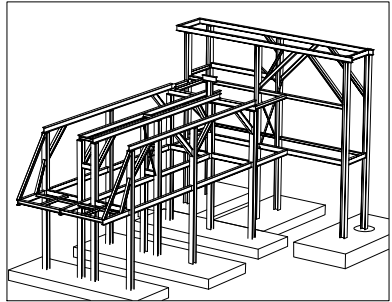
A-B-C COLUMN ASSEMBLY

SIZE	FSCM NO.	DWG NO.	REV
D		03910-022	A
SCALE	DATE	SHEET	
	05/25/2001	14	



STEEL SCHEDULE

①	W8x13	7'-4 1/8"
②	W12x53	7'-4"
③	W12x53	7'-3 3/4"
④	W8x13	7'-4 1/8"
⑤	W8x13	7'-4 1/8"
⑥	3.5x6x0.375 L	14'-2 5/8"
⑦	3.5x6x0.375 L	9'-3"
⑧	3.5x6x0.375 L	9'-5 5/8"



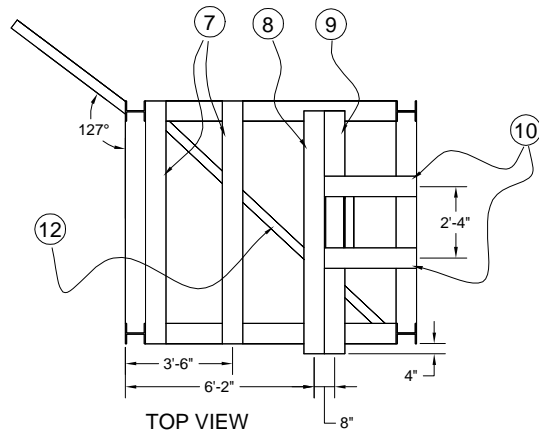
CONSTRUCTION PROGRESS

ALLECO STONE
CLASSIFYING TOWER CONSTRUCTION

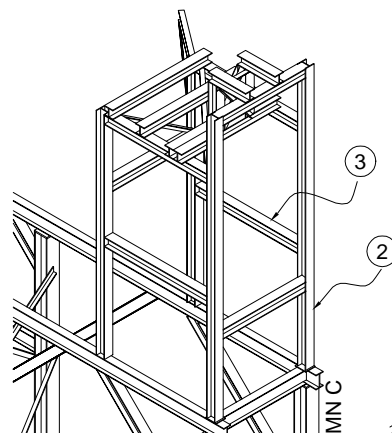
**A-B-C TO D-E-F
CONNECTION ELEMENTS**

SIZE	FSCM NO.	DWG NO.	REV
D		03910-023	A
SCALE	DATE	SHEET	
	05/25/2001	15	

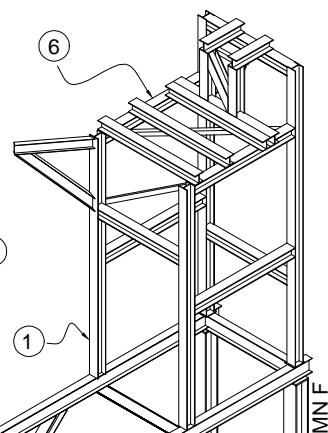
USER REVD/DATE FNAME



TOP VIEW



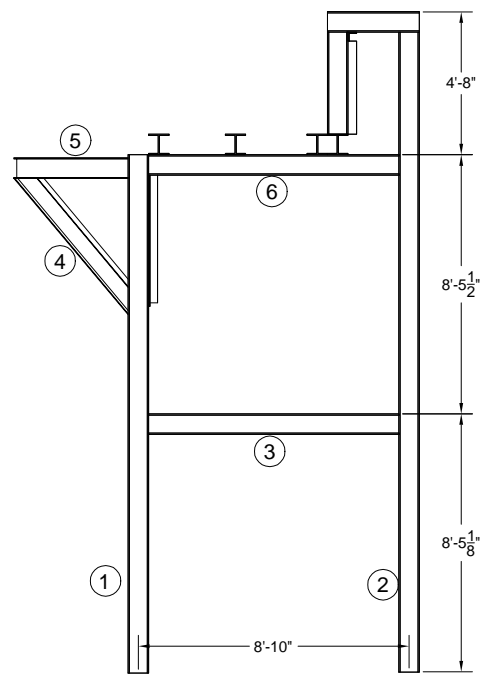
COLUMN C



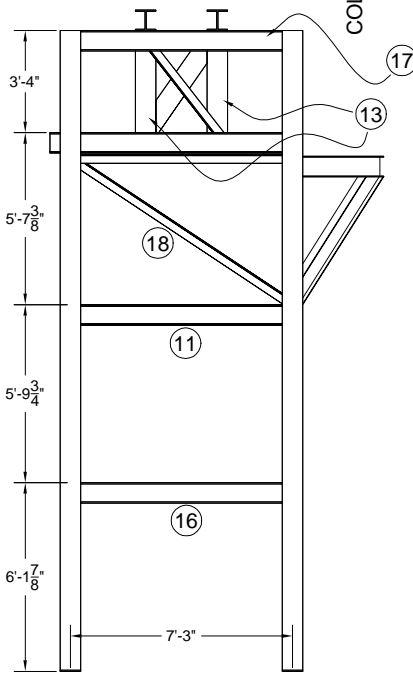
COLUMN F

STEEL SCHEDULE

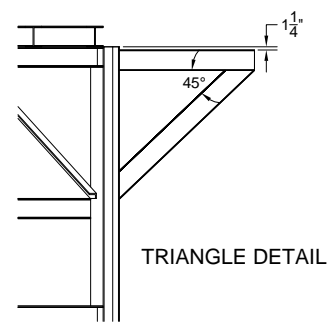
①	W8x40	16'-11"
②	W8x35	20'-10 5/8"
③	W8x10	8'-2"
④	W6x9	6'-1 1/8"
⑤	W12x65	4'-8"
⑥	W8x18	8'-2"
⑦	W8x10	7'-11"
⑧	W8x10	7'-11"
⑨	W8x15	7'-11"
⑩	W8x10	3'
⑪	W12x53	7'-2 1/2"
⑫	3.5x6x.3125 L	10'-6 3/4"
⑬	W8x10	3'-4"
⑭	8x8x.5625 L	3'-10 1/4"
⑮	W8x18	4'
⑯	W8x10	7'-2 1/2"
⑰	W8x15	7'-2 1/2"
⑱	3.5x6x.3125 L	8'-7 7/8"



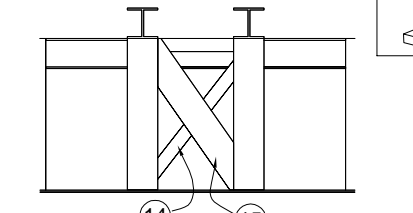
SOUTH ELEVATION VIEW



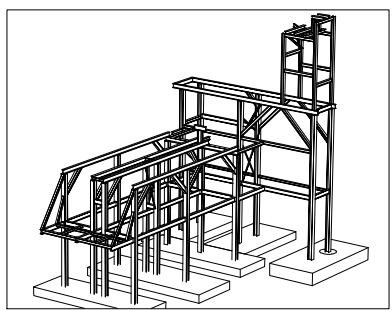
EAST ELEVATION VIEW



TRIANGLE DETAIL



X SUPPORT DETAIL



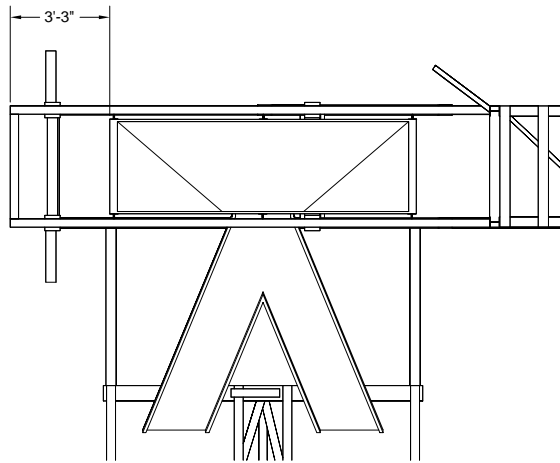
CONSTRUCTION PROGRESS

ALLECO STONE
CLASSIFYING TOWER CONSTRUCTION

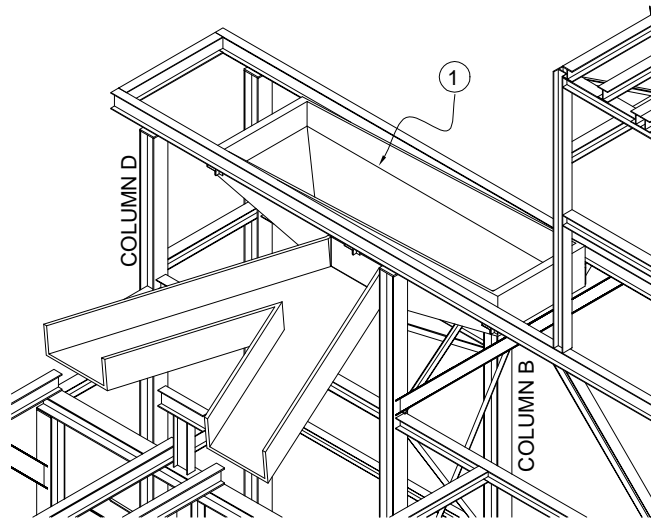
"THE CHAIR" ASSEMBLY

SIZE	FSCM NO.	DWG NO.	REV
D		03910-024	A
SCALE	DATE	SHEET	
	05/25/2001	16	

USER REVD/DATE FNAME

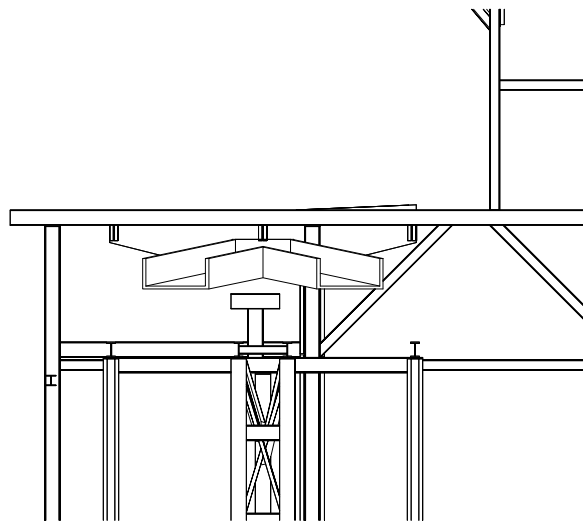


TOP VIEW

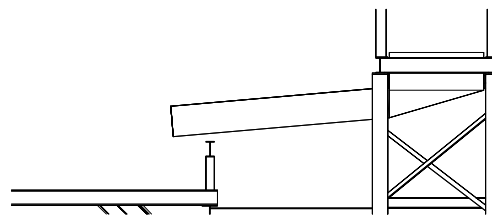


ISOMETRIC VIEW

- STEEL SCHEDULE**
- ① SLUICE STRUCTURE

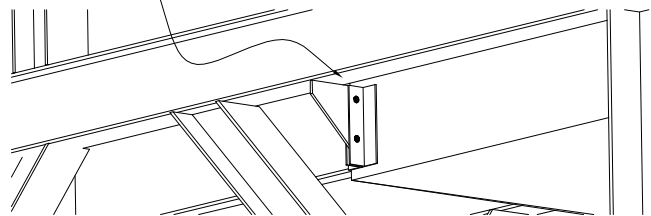


FRONT VIEW

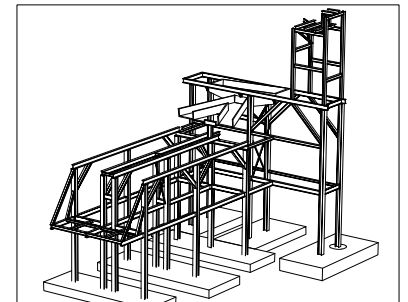


SIDE VIEW

WELD SLUICE FASTENERS
UNDER BEAM FOR CONNECTION



SLUICE CONNECTION DETAIL

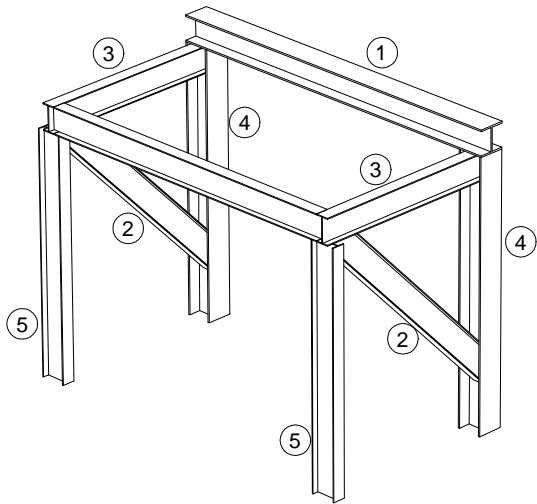


CONSTRUCTION PROGRESS

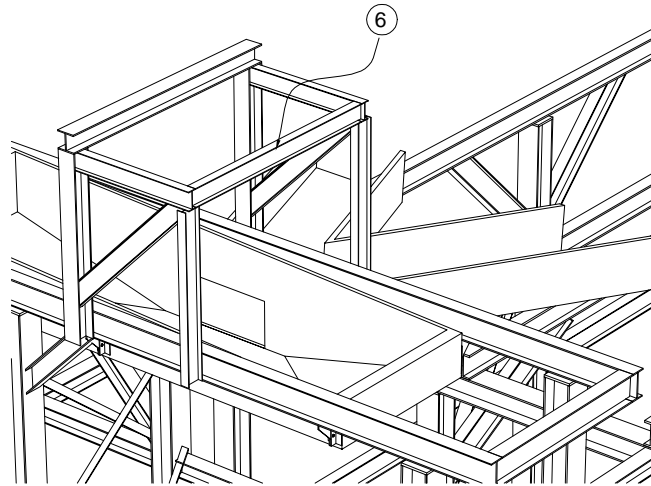
ALLECO STONE
CLASSIFYING TOWER CONSTRUCTION

SLUICE INSTALLATION

SIZE	FSCM NO.	DWG NO.	REV
D		03910-025	
SCALE	DATE	SHEET	
	05/25/2001	17	



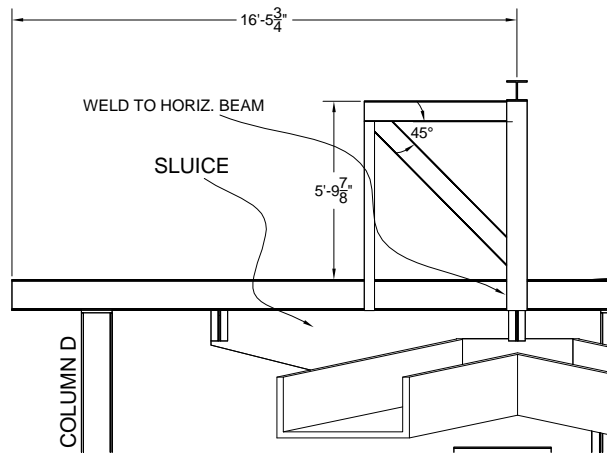
PERSPECTIVE VIEW



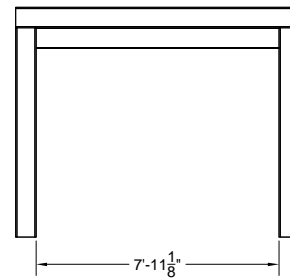
PERSPECTIVE VIEW

STEEL SCHEDULE

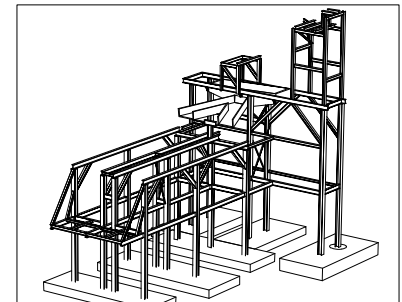
①	W8x10	9'-3 1/8"
②	W8x35	7'-0 3/4"
③	W6x9	4'-11 1/2"
④	W6x15	6'-10"
⑤	W6x15	6'-2"
⑥	W6x9	8'-6 7/8"



FRONT VIEW



SIDE VIEW



CONSTRUCTION PROGRESS

ALLECO STONE
CLASSIFYING TOWER CONSTRUCTION

**REMAINING SUPPORT
STRUCTURE 1**

SIZE	FSCM NO.	DWG NO.	REV
D		03910-026	A
SCALE	DATE	SHEET	
	05/25/2001	18	

8 7 6 5 4 3 2 1

D

C

B

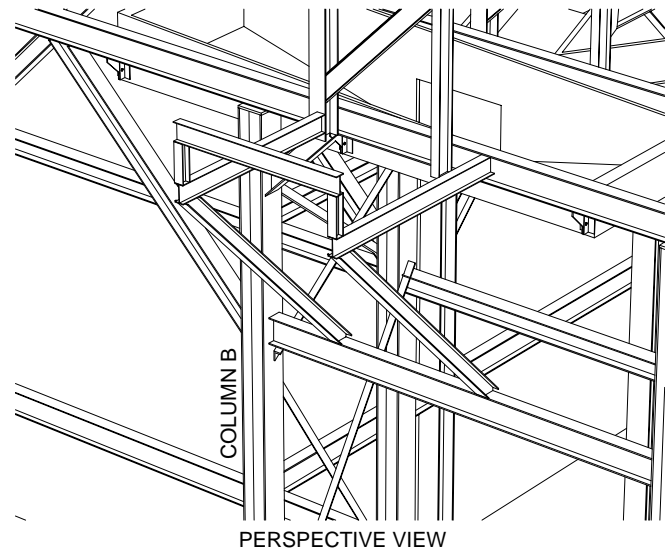
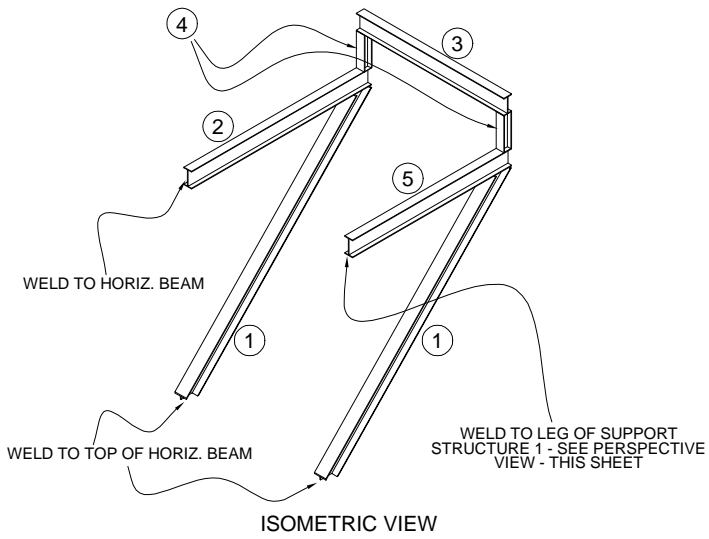
A

D

C

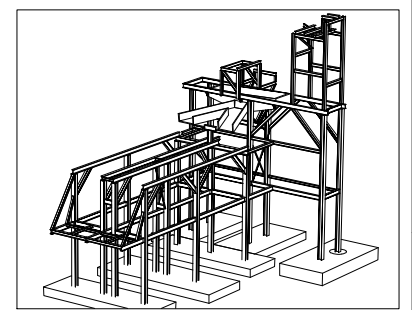
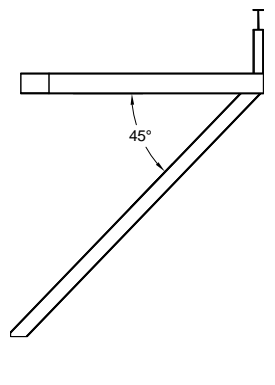
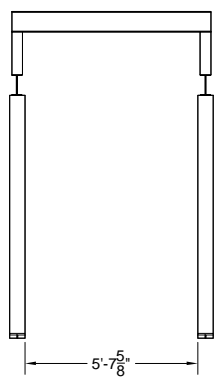
B

A



STEEL SCHEDULE

- ① W6x9 11'-4 1/2"
- ② W6x9 7'-11"
- ③ W12x58 6'-6"
- ④ W6x15 1'-4 7/8"
- ⑤ W6x9 7'-0"



CONSTRUCTION PROGRESS

ALLECO STONE CLASSIFYING TOWER CONSTRUCTION			
REMAINING SUPPORT STRUCTURE 2			
SIZE	FSCM NO.	DWG NO.	REV
D		03910-027	A
SCALE	DATE	SHEET	
	05/25/2001	19	

8 7 6 5 4 3 2 1

USER REVD/DATE FNAME