

DATE	DESCRIPTION	BY	CHKD
11-07-07	ISSUED FOR PERMITS	S. CAMPRELL	T. MONTAG
11-07-07	ISSUED FOR PERMITS	C. HOPE	S. CAMPRELL
04-20-08	ISSUED FOR PERMITS	S. CAMPRELL	T. MONTAG
04-20-08	ISSUED FOR PERMITS	S. CAMPRELL	T. MONTAG

1. PREPARED BY: S. CAMPRELL
 2. CHECKED BY: T. MONTAG
 3. DATE: 11-07-07
 4. PROJECT NO.: 04-20-08
 5. SHEET NO.: S140

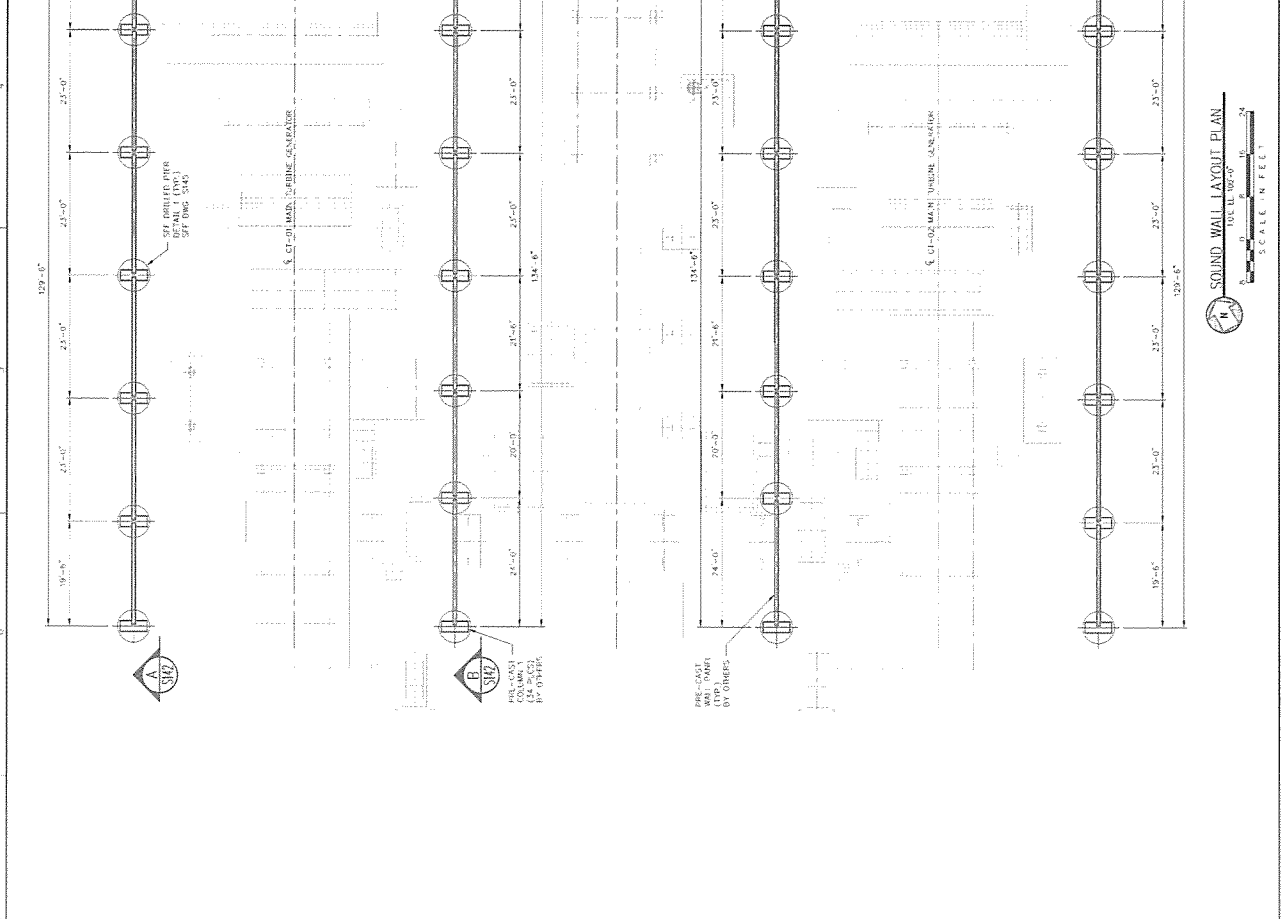
ORANGE GROVE POWER PLANT
 SOUND WALL LAYOUT PLAN
 CT-01 AND CT-02

ORANGE GROVE ENERGY L.P.
 Schaumburg, IL

Engineers - Architects - Planners
 Design - Construction - Field Service
 16041 Fiske
 P.O. Box 1000
 Stream, Kentucky 40381-1000

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

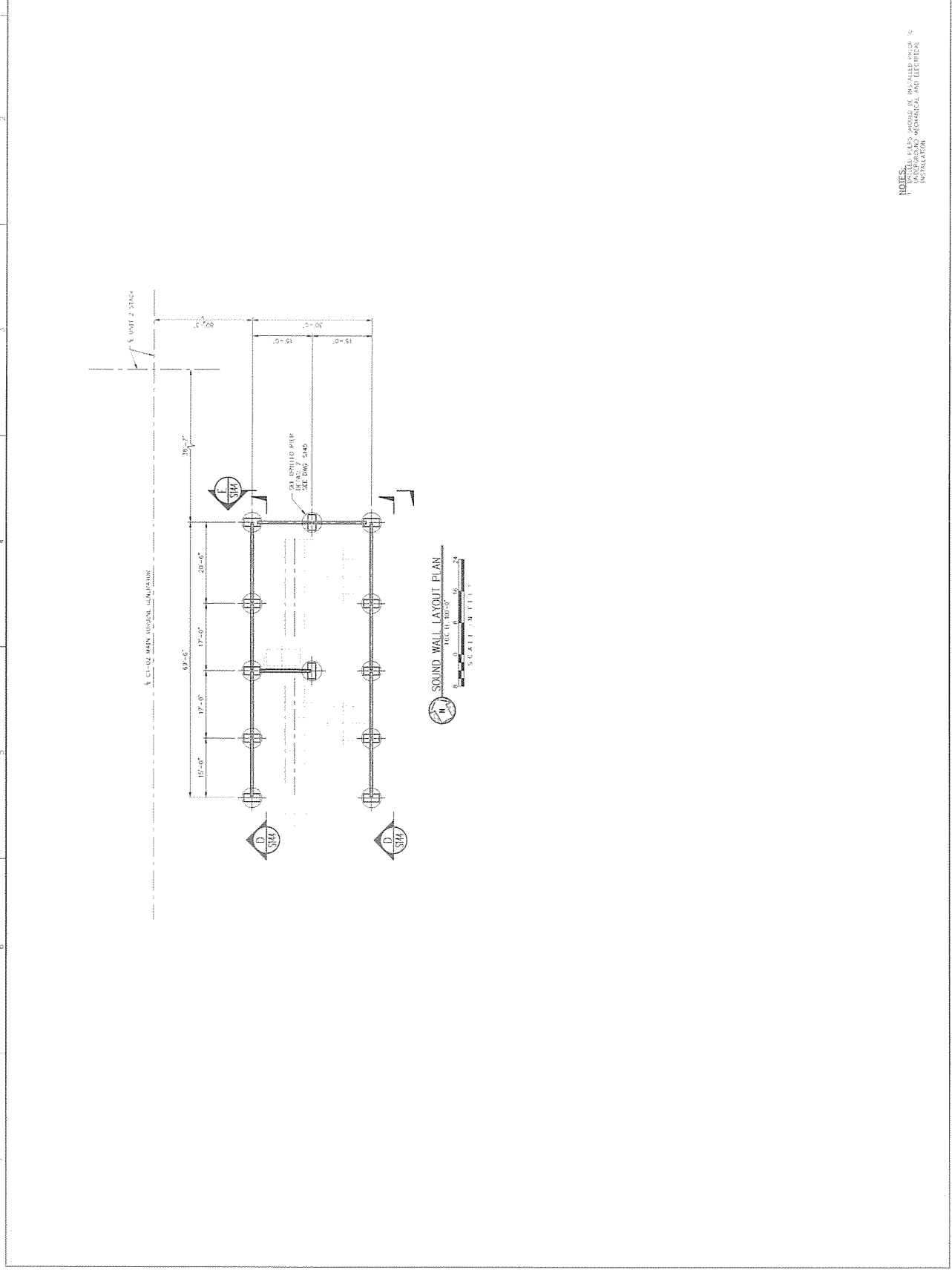
NOTES:
 1. ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE SPECIFIED.
 2. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR DETAILS.



DATE	DESCRIPTION	BY	CHKD
11-07-07	ISSUED FOR PERMITS	S. CAMPRELL	T. MONTAG
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04-20-08	ISSUED FOR PERMITS	S. CAMPRELL	T. MONTAG

ORANGE GROVE ENERGY L.P.
 Schaumburg, IL

DATE	DESCRIPTION
11/11/03	ISSUED FOR PERMIT
11/11/03	ISSUED FOR PERMIT
11/11/03	ISSUED FOR PERMIT
11/11/03	ISSUED FOR PERMIT



Scale: 1/8\"/>

NOTES:
 1. ALL WALLS SHALL BE CONCRETE
 2. ALL WALLS SHALL BE FINISHED WITH
 3. ALL WALLS SHALL BE FINISHED WITH
 4. ALL WALLS SHALL BE FINISHED WITH

Orange Grove Energy L.P.
 Schaumburg, IL

ENGINEER: S. CAMPBELL
 DATE: 11-17-07
 PROJECT NO: 07-001
 SHEET NO: S141

PROJECT: ORANGE GROVE POWER PLANT
 FUEL GAS AREA

SEGA
 ENGINEERS - ARCHITECTS - INTERIORS
 DESIGN - CONSTRUCTION - FIRE SERVICE

16241 Centre
 P.O. Box 10300
 Overland Park, Kansas 66168-1000

ORANGE GROVE ENERGY L.P.
 Schaumburg, IL

ORANGE GROVE POWER PLANT
 FUEL GAS AREA

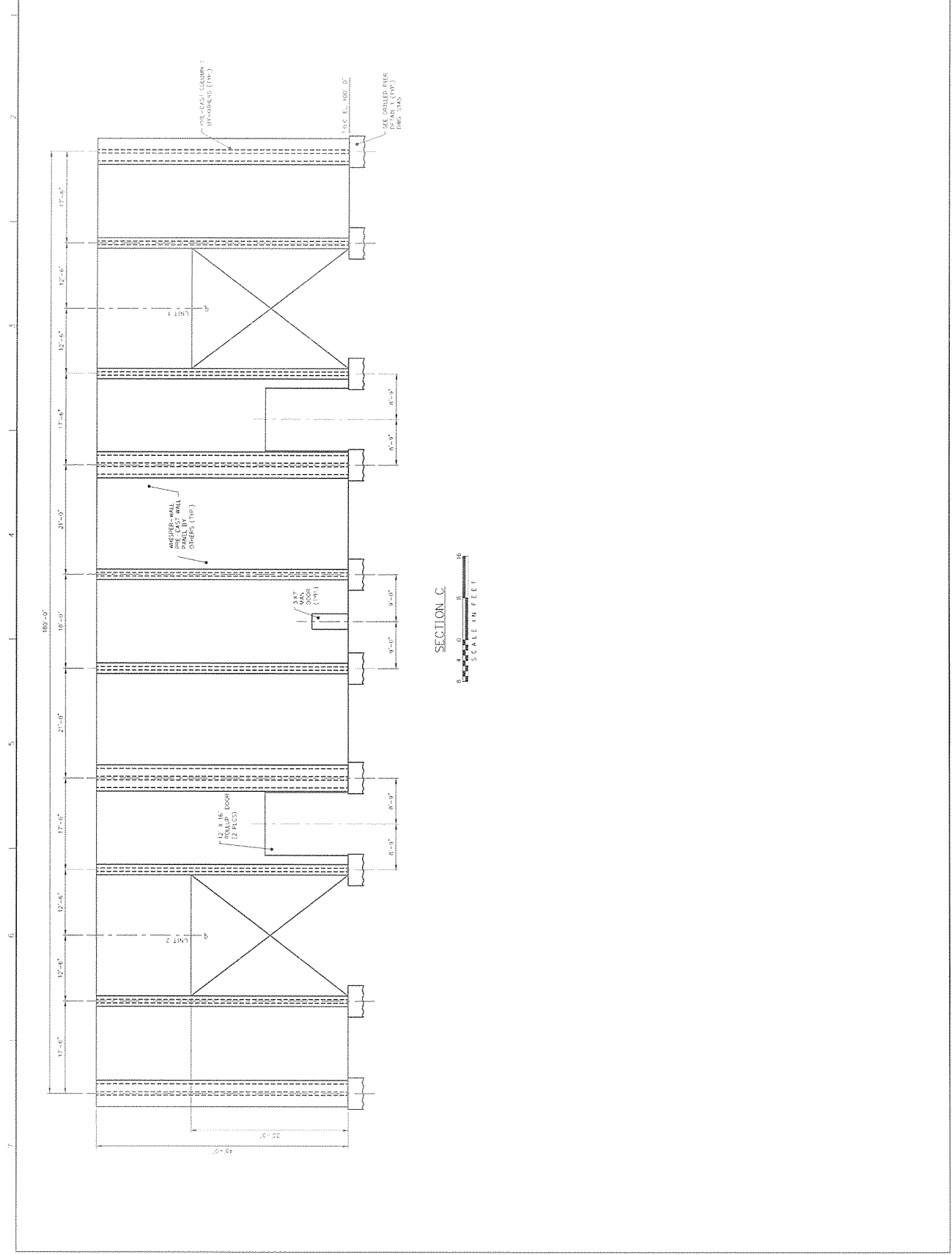
REVISIONS:
 S. CAMPBELL
 G. HOPKINS
 C. LINDSEY
 DATE: 11-17-07

S141

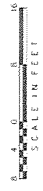
SCALE: 1/8\"/>

NOTES:
 1. ALL WALLS SHALL BE CONCRETE
 2. ALL WALLS SHALL BE FINISHED WITH
 3. ALL WALLS SHALL BE FINISHED WITH
 4. ALL WALLS SHALL BE FINISHED WITH

NO.	DATE	DESCRIPTION	SCALE
1	07/15/09	ISSUED FOR PERMITS	AS SHOWN
2	08/10/09	ISSUED FOR CONSTRUCTION	AS SHOWN
3	09/01/09	ISSUED FOR CONSTRUCTION	AS SHOWN



SECTION C



Scale: 1/4" = 1'-0" (as per Note 1)



Engineers - Architects - Planners
 Design - Construction - Field Service
 16041 Frantz
 P.O. Box 10020
 Shreveport, Louisiana 70505-1020

ORANGE GROVE ENERGY L.P.
 Schaumburg, IL

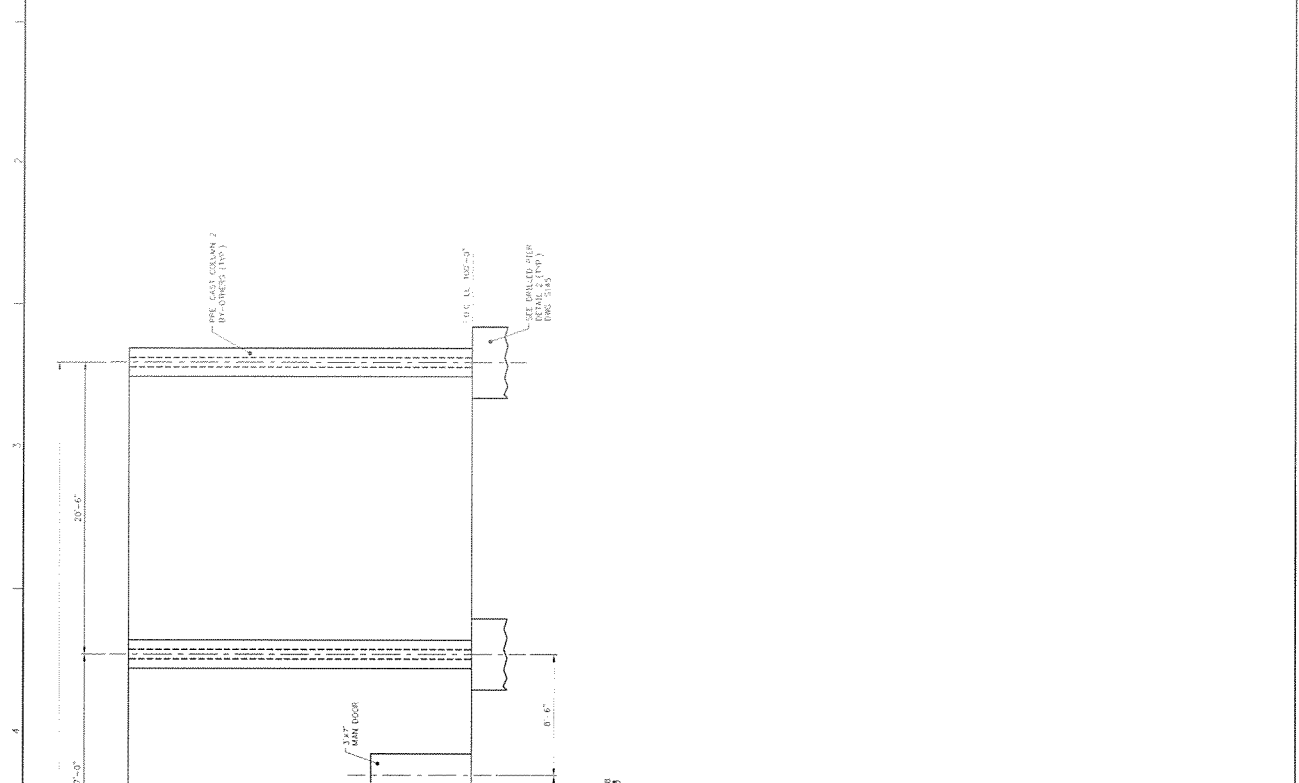
ORANGE GROVE POWER PLANT
 SOUND WALL SECTIONS
 CT-01 AND CT-02

NO.	DATE	DESCRIPTION	SCALE
1	07/15/09	ISSUED FOR PERMITS	AS SHOWN
2	08/10/09	ISSUED FOR CONSTRUCTION	AS SHOWN
3	09/01/09	ISSUED FOR CONSTRUCTION	AS SHOWN

DESIGN BY	W. SEGAL & ASSOCIATES, INC.
DESIGNED BY	T. MONTAG
DRAWN BY	C. HUGHES
CHECKED BY	J. HUGHES
DATE	07/15/09
PROJECT NO.	09-24-08
CLIENT	ORANGE GROVE ENERGY L.P.
LOCATION	SCHAUMBURG, IL
SCALE	AS SHOWN
DATE	07/15/09
PROJECT NO.	09-24-08
CLIENT	ORANGE GROVE ENERGY L.P.
LOCATION	SCHAUMBURG, IL
SCALE	AS SHOWN
DATE	07/15/09

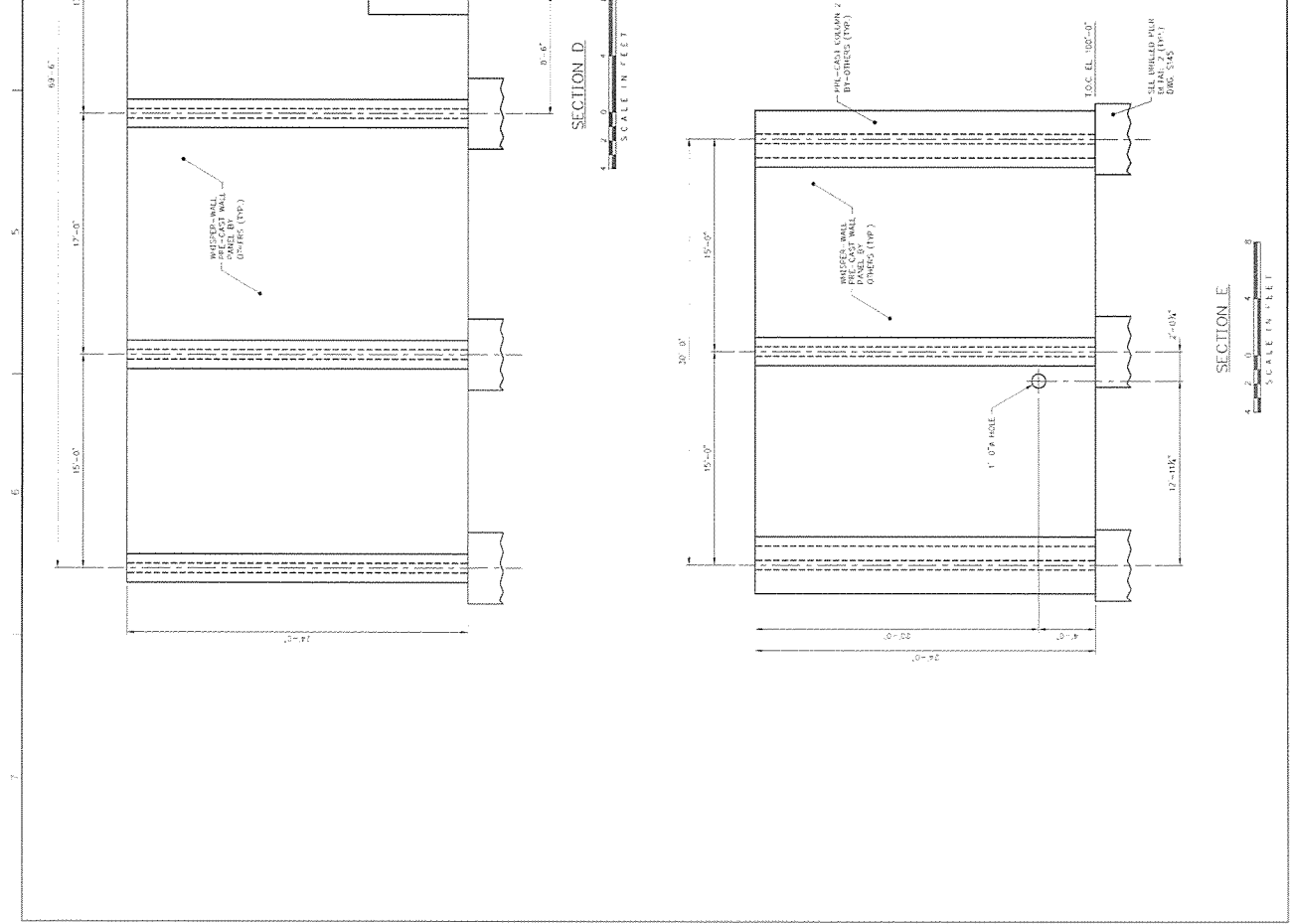
REV. C

REV.	DATE	DESCRIPTION
A	08/15/10	ISSUED FOR PERMIT REVIEW
B	08/15/10	ISSUED FOR PERMIT REVIEW
C	08/15/10	ISSUED FOR PERMIT REVIEW



SECTION D

SCALE IN FEET



SECTION E

SCALE IN FEET

Issued 08/15/10, 10:00 AM, 10/15/10



Engineers - ARCHITECTS - ELECTRICIANS
 Design - Construction - Field Service
 MGMT. Experts
 P.O. Box 1000
 Schaumburg, Illinois 60196-1000

ORANGE GROVE ENERGY L.P.
 Schaumburg, IL

ORANGE GROVE POWER PLANT
 SOUND WALL SECTIONS
 FUEL GAS AREA

DESIGNED BY	PROJECT NO.
S. CAMPBELL	T. MCK TAG
CHECKED BY	DATE
C. HICKMAN	08-24-10
ISSUED BY	DATE
D. BROWN	08-24-10
CHECKED BY	DATE
D. BROWN	08-24-10
ISSUED BY	DATE
D. BROWN	08-24-10

REV. C

PREPARED FOR:
STRUCTURE CAST
 8341 McCUTCHEON RD. BAKERSFIELD, CA
 PHONE 661-831-4400 FAX 661-831-4403

CONCRETE SPECIFICATIONS

CONCRETE TYPE	3000
MINIMUM STRENGTH	3000
28 DAY STRENGTH	3000
CONC. CURABLE TO	STRUCTURAL 100 PSI
(UNREINFORCED)	STRUCTURAL 150 PSI
CONC. VOLUME	MINIMUM COMPACT: 7.23 CY
PANEL WEIGHT	19833.1 LB. (8949KG)

MATERIAL SPECIFICATIONS

MK. # (DESCRIPTION)	QTY
P1	MB RE-7 (#7@14)
P2	DS P-52 ATON X 3-3/4"
P3	MB RE-32 (#7@14) 4 TON
P4	DS F-5 3/4" INSERT
P5	1-1/2" x 6" FORMED HOLE
P6	1/2" LD-TAX STRAND (ASTM A416)
	EMBEDDED PLATES
	WELDED WIRE
	INSETS, HANDLES, MISCELL.
	4x8 @10.5/04 (Ø10.5 LONG WIRES)
	WIDTH: 7'-8"
	LENGTH: 18'-9"
	ASTM A615
	#4 X 5'-0"
	MK101

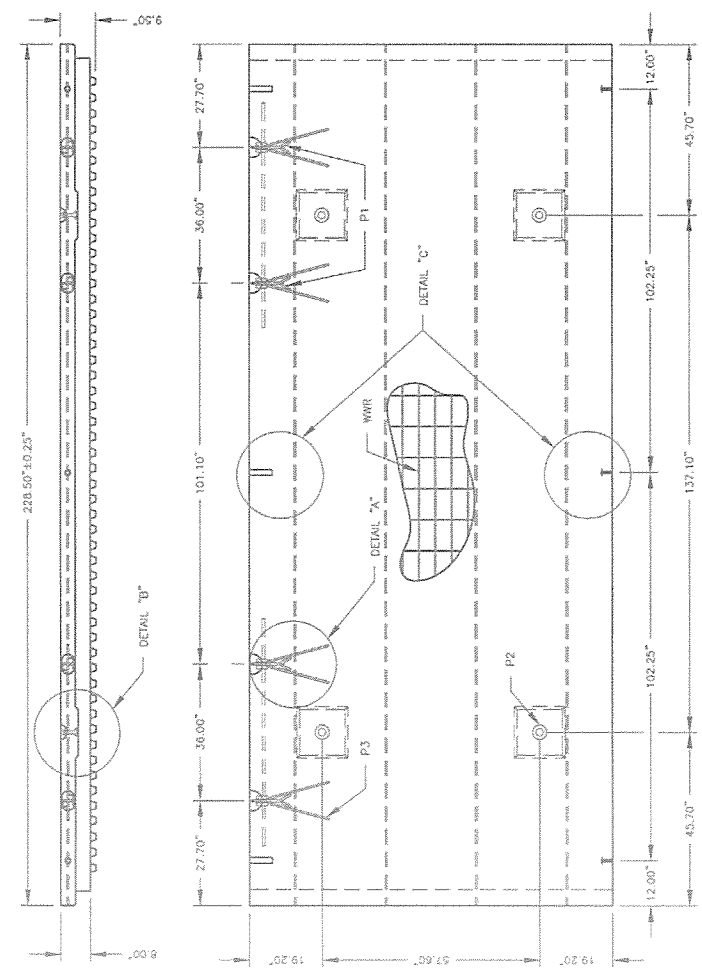
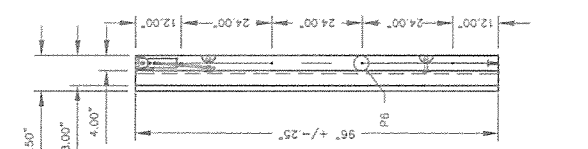
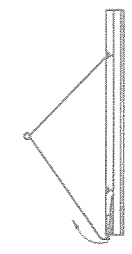
STRAIGHT BARS
 STRAIGHT BARS
 WELDED WIRE
 INSETS, HANDLES, MISCELL.
 4x8 @10.5/04
 WIDTH: 7'-8"
 LENGTH: 18'-9"
 ASTM A615
 #4 X 5'-0"

PREPARED BY:
DELTA ENGINEERS
 184 QUINN STREET, BINGHAMTON, NY 13906
 TEL. (607) 731-6000 FAX. (607) 731-8650

DESIGNED BY: SDC
 DATE: 7/27/09
 DRAWN BY: SDC
 DATE: 7/27/09
 SCALE: 1/8" = 1'-0"

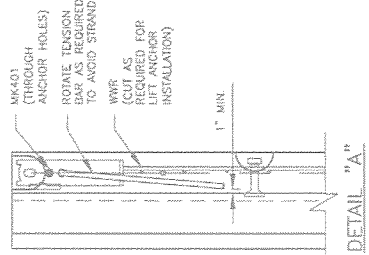
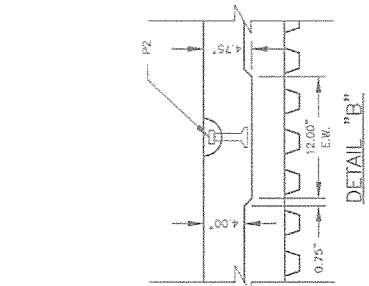
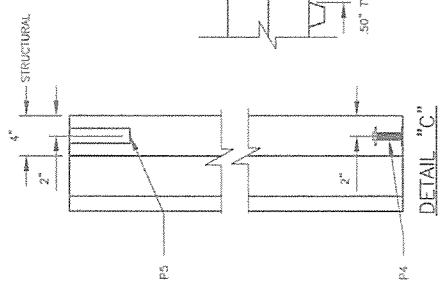
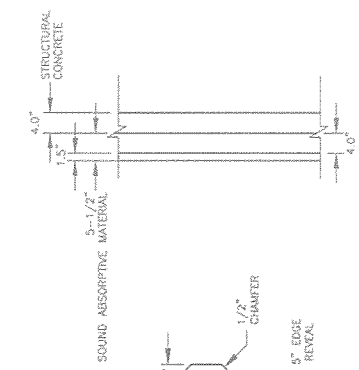
PROJECT: ORANGE GROVE POWER PLANT PRECAST SOUND WALL LWP-40
 PALM, CA

WARNING NOTE:
 ROTATE PANEL TO UPRIGHT USING TOP (4) EDGE LIFT ANCHORS AND (2) LOWER FACE ANCHORS.



PANEL PLAN VIEW
 VIEWED FROM TOP OF FORM

STRAND DETENSIONING SEQUENCE



ACOUSTIC DETAIL

DETAIL "C"

DETAIL "B"

DETAIL "A"