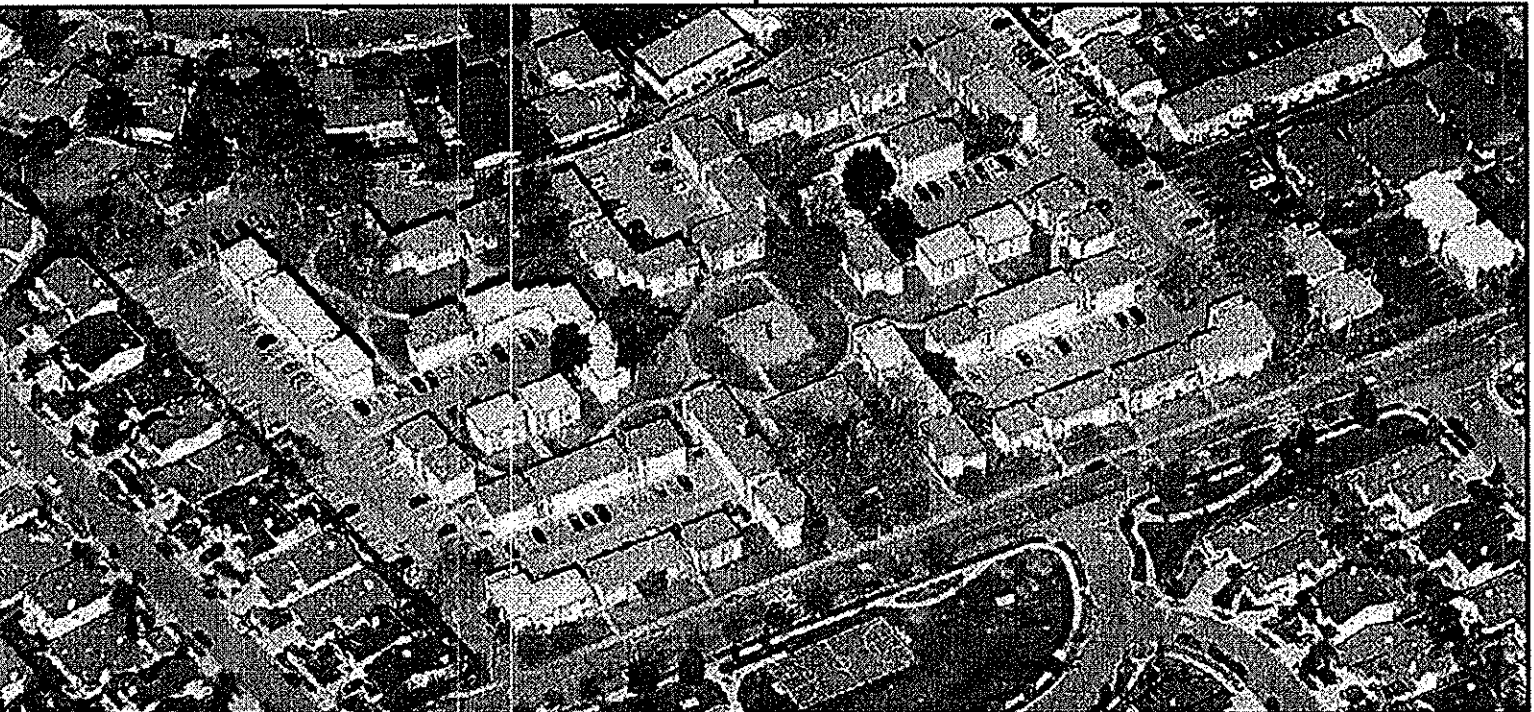
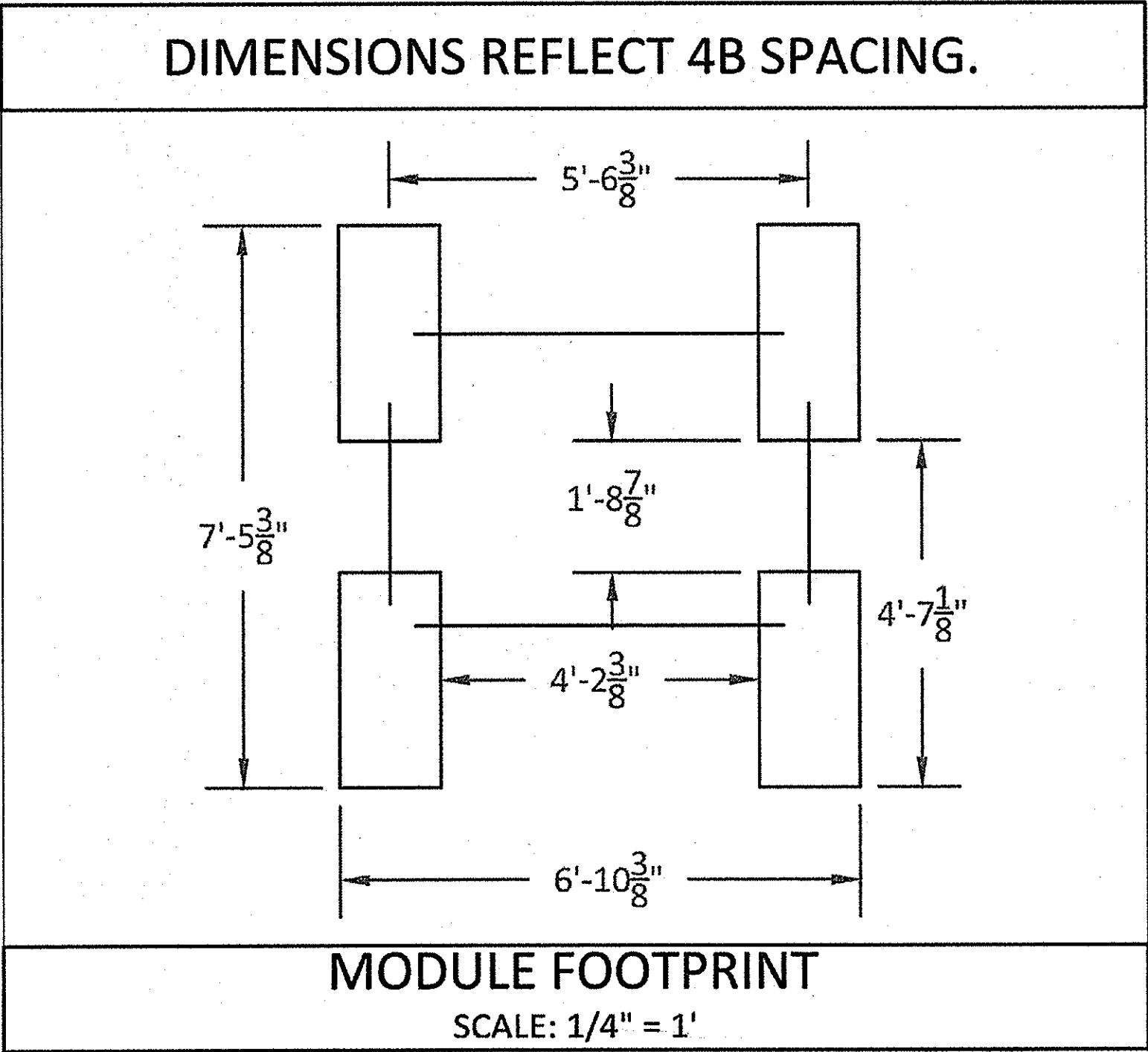


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 3. ARRAY SETBACKS: ALL ARRAYS ARE REQUIRED TO BE SETBACK 4-FEET FROM ALL ROOF EDGES UNLESS OTHERWISE SPECIFIED AND CALLED OUT ON THE ARRAY DIAGRAMS ON THIS PAGE OR ON ADDITIONAL ARRAY BALLAST PAGES.
 4. REFER TO THE SPECIFIC ARRAY BALLAST SHEETS FOR BALLASTING REQUIREMENTS BASED ON THE PROVIDED SITE INFORMATION.
 5. THE MODULE FOOTPRINT DETAIL INCLUDES THE ASSEMBLY OF (1) MODULE MOUNTED TO (4) SUPPORTS AND (1) DEFLECTOR. DIMENSIONS REFLECT THE CRITICAL MEASUREMENTS OF A MODULE-MOUNTING SYSTEM ASSEMBLY. DIMENSIONS DO NOT REFLECT DIRECT MODULE LENGTH AND WIDTH.
 6. ALL CMU BLOCKS UTILIZED ON THIS PROJECT MUST COMPLY WITH ASTM C 1491.

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AERIAL PHOTO / SITE DIAGRAM



POLAR BEAR FR GEN II 10°

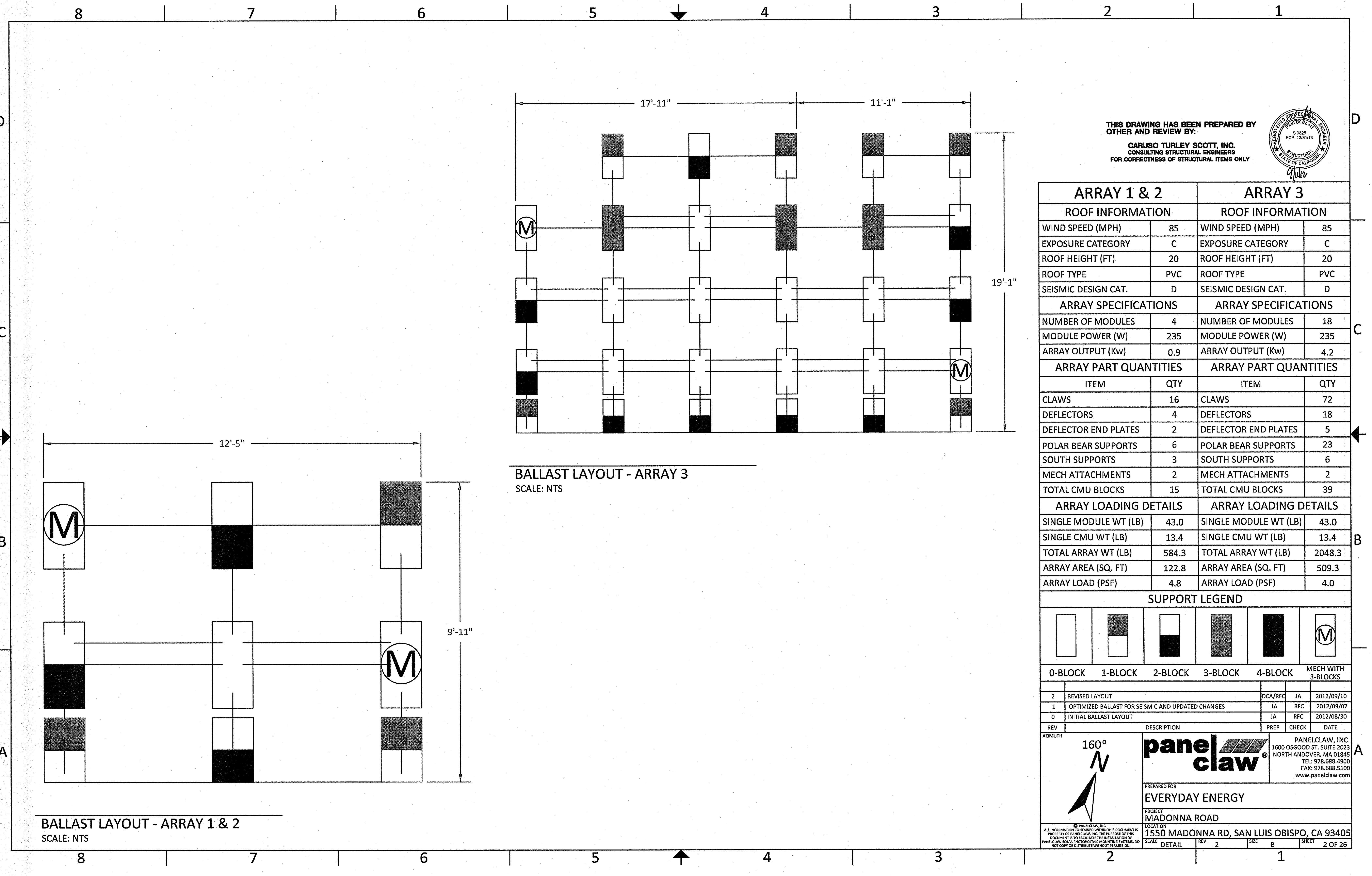
PROJECT DETAIL

| | |
|-----------------------------|-----------------------------------|
| WIND SPEED (MPH) | 85 |
| EXPOSURE CATEGORY | C |
| OCCUPANCY CATEGORY | II |
| SEISMIC DESIGN CATEGORY | D |
| MODULE TYPE | Trina Solar - TSM-PC/PA05 220-255 |
| MODULE DIMENSIONS (IN x IN) | 39.06 x 64.96 |
| NUMBER OF MODULES | 855 |
| MODULE WATTAGE (W STC) | 235 |
| SYSTEM SIZE (KW STC) | 200.925 |
| SYSTEM WEIGHT (LB) | 96472.29 |
| SYSTEM AREA (SQ FT.) | 24236.01 |
| NUMBER OF ARRAYS | 56 |
| ARRAY TILT (DEG) | 10.5 |
| N-S SPACER STICK DIM. (IN) | 35.30 |
| E-W SPACER STICK DIM. (IN) | 66.43 |

PROJECT PART QUANTITIES

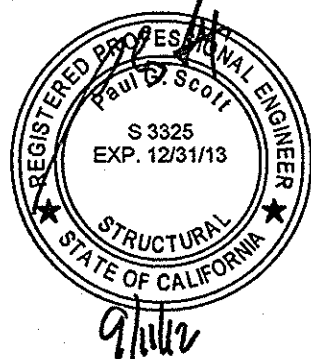
| ITEM | PART NUMBER | QTY |
|---|-------------|------|
| CLAW | 5000005 | 3420 |
| ASSY, CLAW-STANDARD, ALUMINUM | | |
| POLAR BEAR SUPPORT | 5000062 | 1082 |
| ASSY, SUPPORT, G90 ST, 304SS, POLAR BEAR GEN II 10 DEG-PAD | | |
| SOUTH SUPPORT | 5000136 | 309 |
| ASSEMBLY, SUPPORT, SOUTH, G90ST, POLAR/GRIZZLY, PAD | | |
| DEFLECTOR | 200010804 | 855 |
| DEFLECTOR, G90 ST, 69", POLAR/GRIZZLY BEAR GEN II 10 DEG | | |
| DEFLECTOR END PLATE | 2000140 | 244 |
| END PLATE, G90 STEEL, POLAR BEAR / GRIZZLY BEAR GEN II 10 DEG | | |
| MECH. ATTACHMENT | 5000070 | 120 |
| ASSY, MECHANICAL ATTACHMENT, 6"L x 6"W x 6"H WITH 3" LONG SCREW | | |

| | | | | | |
|---|---|---|------|---|------|
| TOTAL CMU BLOCKS | | 13.4 lbs | | 1777 | |
| 2 | REVISED LAYOUT | DCA/RFC | JA | 2012/09/10 | |
| 1 | OPTIMIZED BALLAST FOR SEISMIC AND UPDATED CHANGES | JA | RFC | 2012/09/07 | |
| 0 | INITIAL BALLAST LAYOUT | JA | RFC | 2012/08/30 | |
| REV | DESCRIPTION | | PREP | CHECK | DATE |
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|  | | | | | |
| PREPARED FOR | | | | | |
| EVERYDAY ENERGY | | | | | |
| PROJECT | | | | | |
| MADONNA ROAD | | LOCATION | | | |
| 1550 MADONNA RD, SAN LUIS OBISPO, CA 93405 | | SCALE | | | |
| DETAIL | | REV 2 | | SIZE B | |
| SHEET | | 1 OF 26 | | | |



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| ARRAY 1 & 2 | | ARRAY 3 | |
|-----------------------|-------|-----------------------|--------|
| ROOF INFORMATION | | ROOF INFORMATION | |
| WIND SPEED (MPH) | 85 | WIND SPEED (MPH) | 85 |
| EXPOSURE CATEGORY | C | EXPOSURE CATEGORY | C |
| ROOF HEIGHT (FT) | 20 | ROOF HEIGHT (FT) | 20 |
| ROOF TYPE | PVC | ROOF TYPE | PVC |
| SEISMIC DESIGN CAT. | D | SEISMIC DESIGN CAT. | D |
| ARRAY SPECIFICATIONS | | ARRAY SPECIFICATIONS | |
| NUMBER OF MODULES | 4 | NUMBER OF MODULES | 18 |
| MODULE POWER (W) | 235 | MODULE POWER (W) | 235 |
| ARRAY OUTPUT (Kw) | 0.9 | ARRAY OUTPUT (Kw) | 4.2 |
| ARRAY PART QUANTITIES | | ARRAY PART QUANTITIES | |
| ITEM | QTY | ITEM | QTY |
| CLAWS | 16 | CLAWS | 72 |
| DEFLECTORS | 4 | DEFLECTORS | 18 |
| DEFLECTOR END PLATES | 2 | DEFLECTOR END PLATES | 5 |
| POLAR BEAR SUPPORTS | 6 | POLAR BEAR SUPPORTS | 23 |
| SOUTH SUPPORTS | 3 | SOUTH SUPPORTS | 6 |
| MECH ATTACHMENTS | 2 | MECH ATTACHMENTS | 2 |
| TOTAL CMU BLOCKS | 15 | TOTAL CMU BLOCKS | 39 |
| ARRAY LOADING DETAILS | | ARRAY LOADING DETAILS | |
| SINGLE MODULE WT (LB) | 43.0 | SINGLE MODULE WT (LB) | 43.0 |
| SINGLE CMU WT (LB) | 13.4 | SINGLE CMU WT (LB) | 13.4 |
| TOTAL ARRAY WT (LB) | 584.3 | TOTAL ARRAY WT (LB) | 2048.3 |
| ARRAY AREA (SQ. FT) | 122.8 | ARRAY AREA (SQ. FT) | 509.3 |
| ARRAY LOAD (PSF) | 4.8 | ARRAY LOAD (PSF) | 4.0 |

SUPPORT LEGEND

| | | | | | |
|---------|---------|---------|---------|---------|--------------------|
| | | | | | |
| 0-BLOCK | 1-BLOCK | 2-BLOCK | 3-BLOCK | 4-BLOCK | MECH WITH 3-BLOCKS |

| | | | | |
|-----|---|---------|-------|------------|
| 2 | REVISED LAYOUT | DCA/RFC | JA | 2012/09/10 |
| 1 | OPTIMIZED BALLAST FOR SEISMIC AND UPDATED CHANGES | JA | RFC | 2012/09/07 |
| 0 | INITIAL BALLAST LAYOUT | JA | RFC | 2012/08/30 |
| REV | DESCRIPTION | PREP | CHECK | DATE |

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PREPARED FOR
EVERYDAY ENERGY

PROJECT
MADONNA ROAD

LOCATION
1550 MADONNA RD, SAN LUIS OBISPO, CA 93405

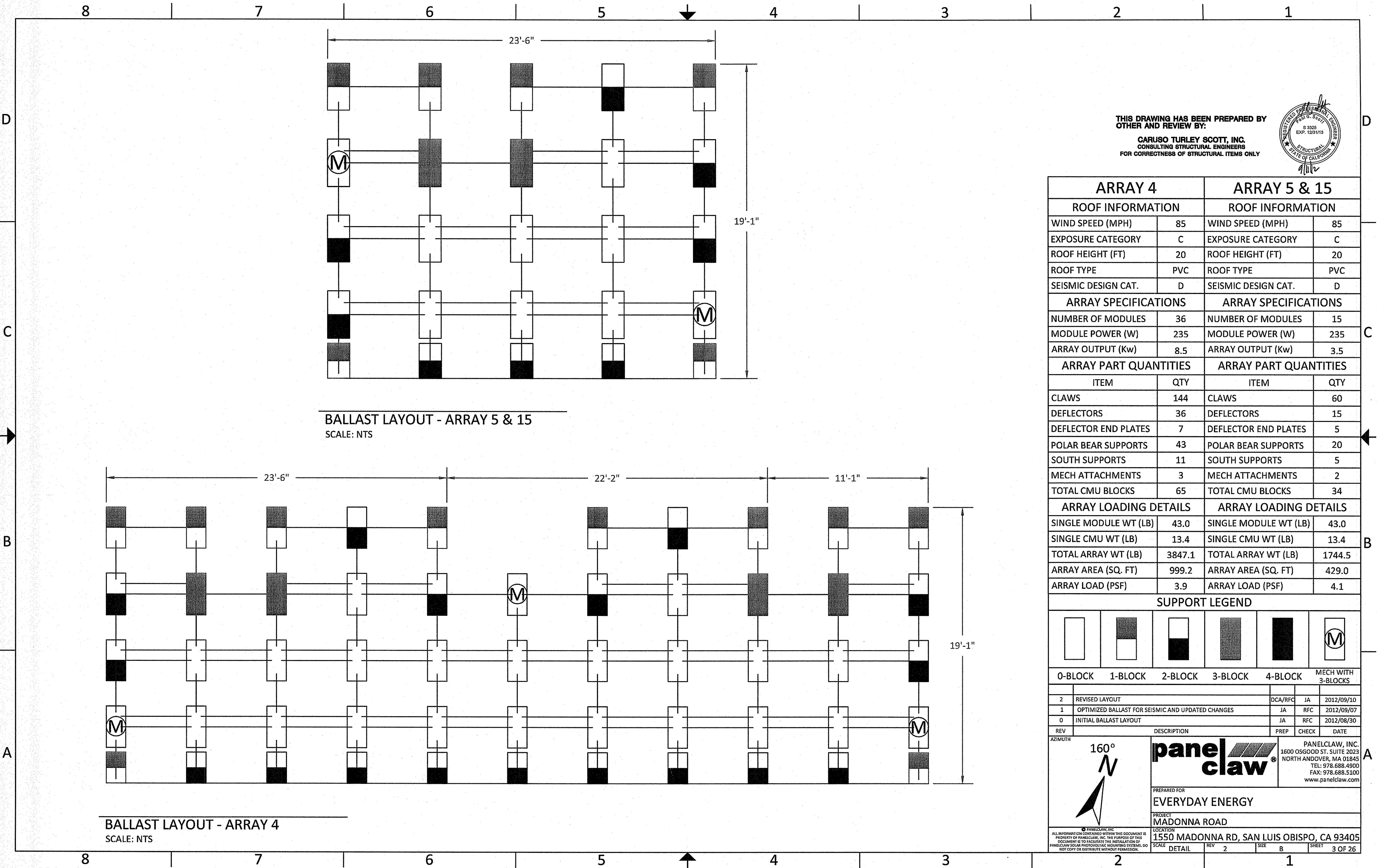
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SCALE
DETAIL

REV
2









SIZE
B

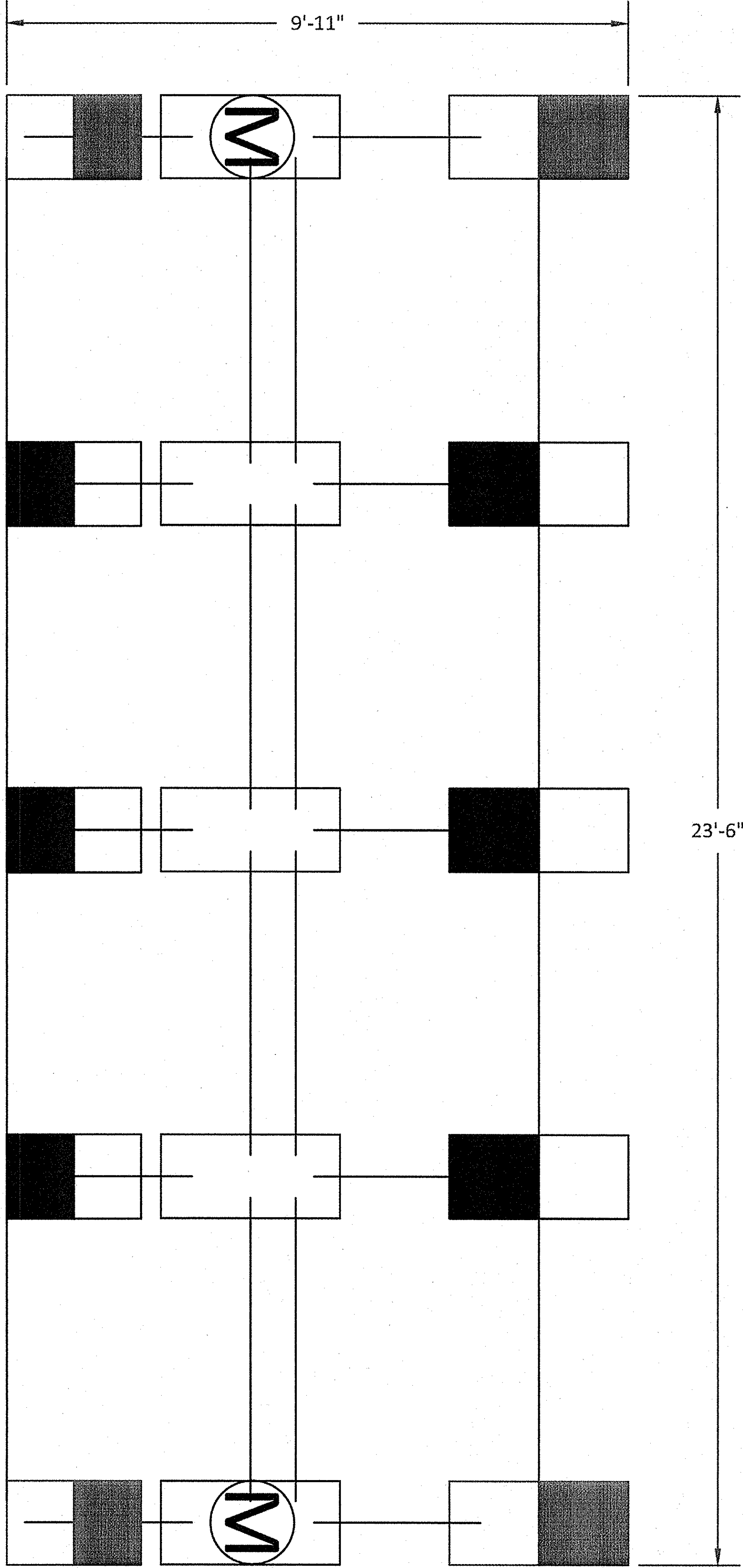
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2 OF 26



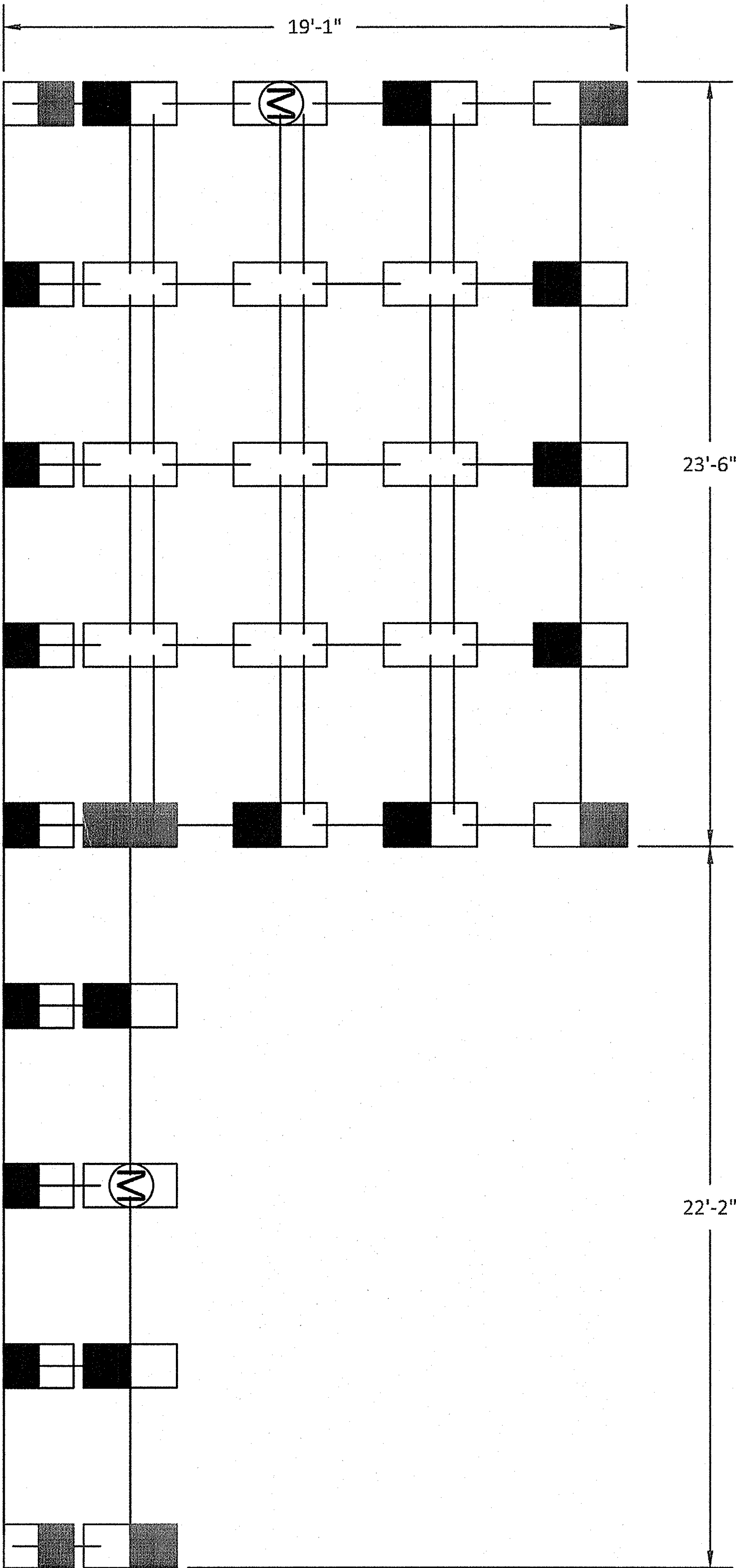
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| ARRAY 4 | | ARRAY 5 & 15 | | | |
|--|---|--|---|---|---|
| ROOF INFORMATION | | ROOF INFORMATION | | | |
| WIND SPEED (MPH) | 85 | WIND SPEED (MPH) | 85 | | |
| EXPOSURE CATEGORY | C | EXPOSURE CATEGORY | C | | |
| ROOF HEIGHT (FT) | 20 | ROOF HEIGHT (FT) | 20 | | |
| ROOF TYPE | PVC | ROOF TYPE | PVC | | |
| SEISMIC DESIGN CAT. | D | SEISMIC DESIGN CAT. | D | | |
| ARRAY SPECIFICATIONS | | ARRAY SPECIFICATIONS | | | |
| NUMBER OF MODULES | 36 | NUMBER OF MODULES | 15 | | |
| MODULE POWER (W) | 235 | MODULE POWER (W) | 235 | | |
| ARRAY OUTPUT (Kw) | 8.5 | ARRAY OUTPUT (Kw) | 3.5 | | |
| ARRAY PART QUANTITIES | | ARRAY PART QUANTITIES | | | |
| ITEM | QTY | ITEM | QTY | | |
| CLAWS | 144 | CLAWS | 60 | | |
| DEFLECTORS | 36 | DEFLECTORS | 15 | | |
| DEFLECTOR END PLATES | 7 | DEFLECTOR END PLATES | 5 | | |
| POLAR BEAR SUPPORTS | 43 | POLAR BEAR SUPPORTS | 20 | | |
| SOUTH SUPPORTS | 11 | SOUTH SUPPORTS | 5 | | |
| MECH ATTACHMENTS | 3 | MECH ATTACHMENTS | 2 | | |
| TOTAL CMU BLOCKS | 65 | TOTAL CMU BLOCKS | 34 | | |
| ARRAY LOADING DETAILS | | ARRAY LOADING DETAILS | | | |
| SINGLE MODULE WT (LB) | 43.0 | SINGLE MODULE WT (LB) | 43.0 | | |
| SINGLE CMU WT (LB) | 13.4 | SINGLE CMU WT (LB) | 13.4 | | |
| TOTAL ARRAY WT (LB) | 3847.1 | TOTAL ARRAY WT (LB) | 1744.5 | | |
| ARRAY AREA (SQ. FT) | 999.2 | ARRAY AREA (SQ. FT) | 429.0 | | |
| ARRAY LOAD (PSF) | 3.9 | ARRAY LOAD (PSF) | 4.1 | | |
| SUPPORT LEGEND | | | | | |
|  |  |  |  |  |  |
| 0-BLOCK | 1-BLOCK | 2-BLOCK | 3-BLOCK | 4-BLOCK | MECH WITH 3-BLOCKS |
| 2 | REVISED LAYOUT | | | DCA/RFC | JA 2012/09/10 |
| 1 | OPTIMIZED BALLAST FOR SEISMIC AND UPDATED CHANGES | | | JA | RFC 2012/09/07 |
| 0 | INITIAL BALLAST LAYOUT | | | JA | RFC 2012/08/30 |
| REV | DESCRIPTION | | | PREP | CHECK DATE |
| <div><div>160°</div><div></div></div> | | <div></div> | | <div>PANELCLAW, INC. 1600 OSGOOD ST. SUITE 2023 NORTH ANDOVER, MA 01845 TEL: 978.688.4900 FAX: 978.688.5100 www.panelclaw.com</div> | |
| | | | | | |
| | | PREPARED FOR | | EVERYDAY ENERGY | |
| | | PROJECT | | MADONNA ROAD | |
| LOCATION | | 1550 MADONNA RD, SAN LUIS OBISPO, CA 93405 | | | |
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| | | SIZE | B | SHEET | 3 OF 26 |

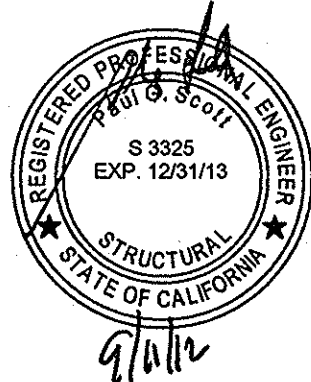


BALLAST LAYOUT - ARRAY 6 & 7
SCALE: NTS




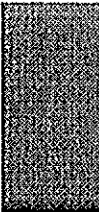






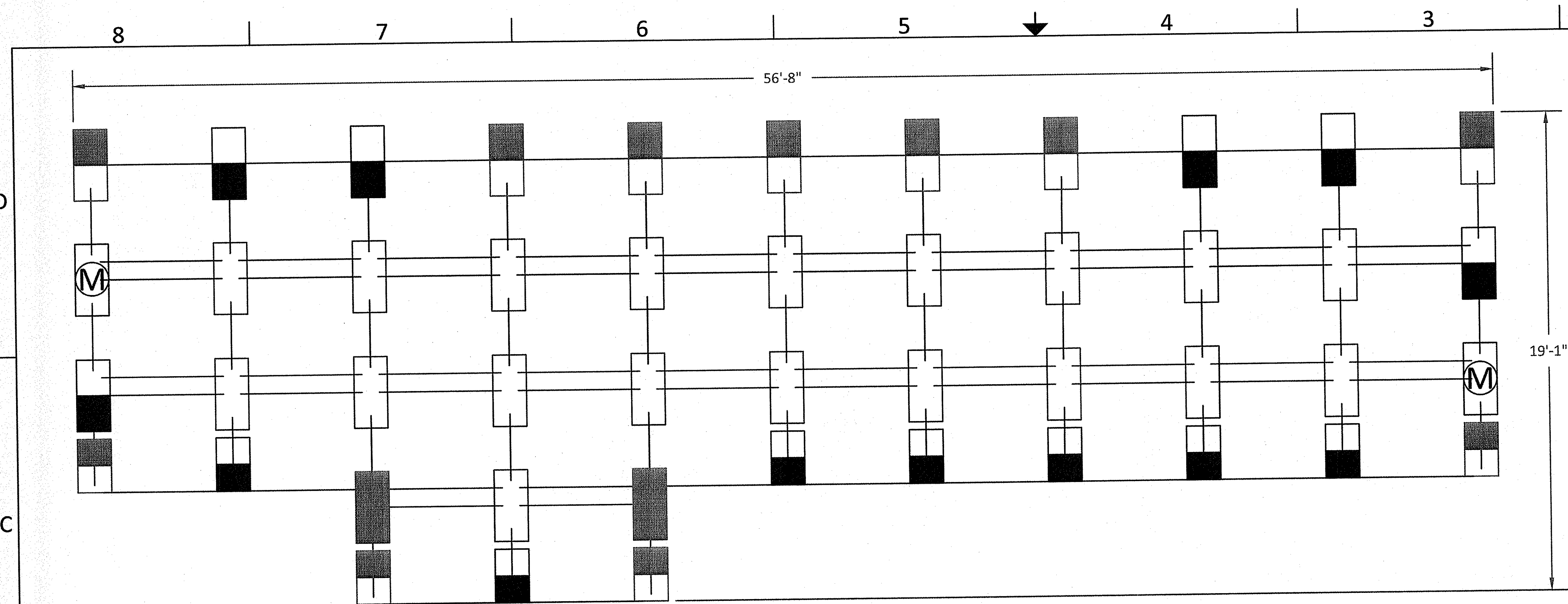
BALLAST LAYOUT - ARRAY 8
SCALE: NTS

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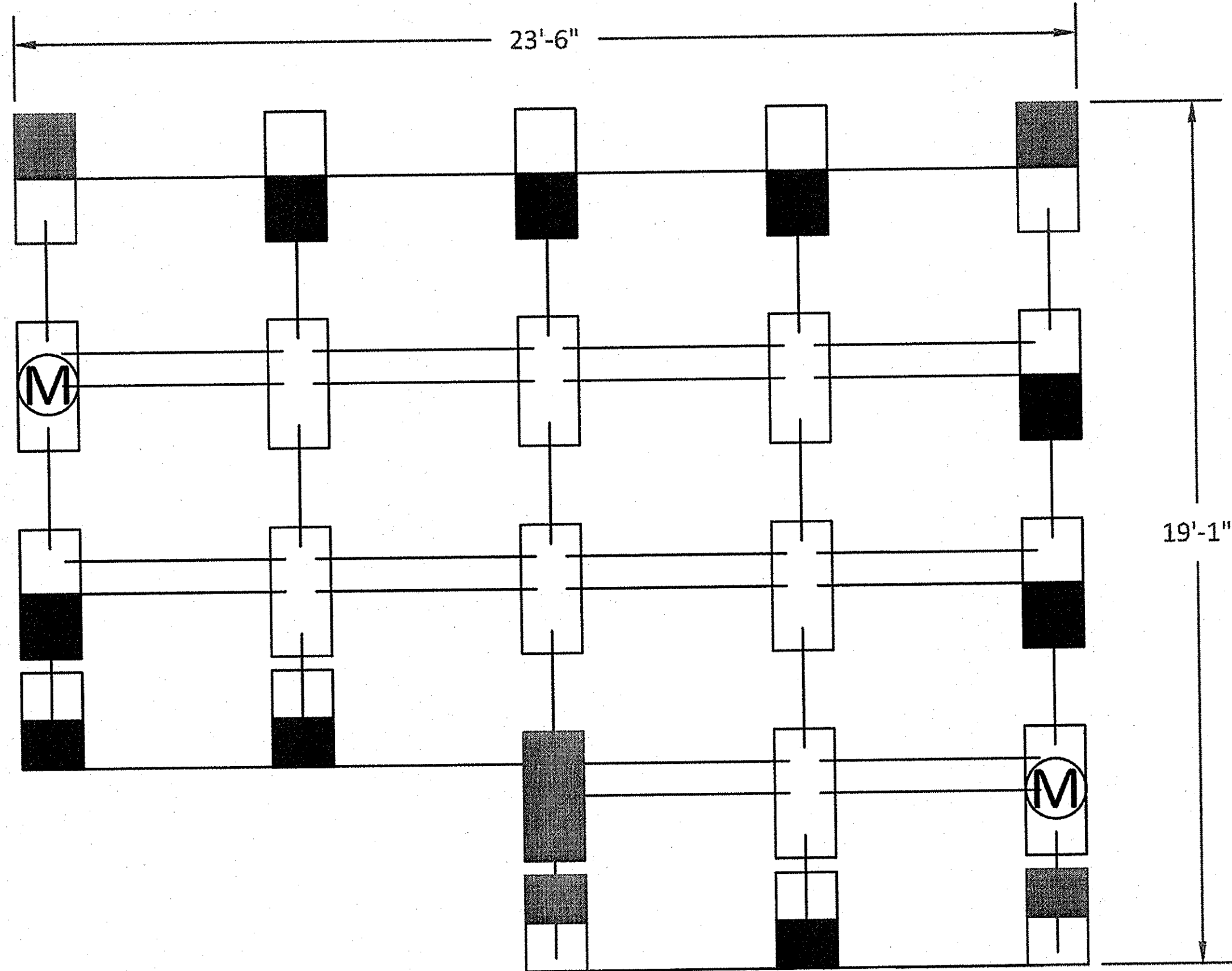


| ARRAY 6 & 7 | | ARRAY 8 | |
|-----------------------|--------|-----------------------|--------|
| ROOF INFORMATION | | ROOF INFORMATION | |
| WIND SPEED (MPH) | 85 | WIND SPEED (MPH) | 85 |
| EXPOSURE CATEGORY | C | EXPOSURE CATEGORY | C |
| ROOF HEIGHT (FT) | 20 | ROOF HEIGHT (FT) | 20 |
| ROOF TYPE | PVC | ROOF TYPE | PVC |
| SEISMIC DESIGN CAT. | D | SEISMIC DESIGN CAT. | D |
| ARRAY SPECIFICATIONS | | ARRAY SPECIFICATIONS | |
| NUMBER OF MODULES | 8 | NUMBER OF MODULES | 20 |
| MODULE POWER (W) | 235 | MODULE POWER (W) | 235 |
| ARRAY OUTPUT (Kw) | 1.9 | ARRAY OUTPUT (Kw) | 4.7 |
| ARRAY PART QUANTITIES | | ARRAY PART QUANTITIES | |
| ITEM | QTY | ITEM | QTY |
| CLAWS | 32 | CLAWS | 80 |
| DEFLECTORS | 8 | DEFLECTORS | 20 |
| DEFLECTOR END PLATES | 2 | DEFLECTOR END PLATES | 8 |
| POLAR BEAR SUPPORTS | 10 | POLAR BEAR SUPPORTS | 24 |
| SOUTH SUPPORTS | 5 | SOUTH SUPPORTS | 9 |
| MECH ATTACHMENTS | 2 | MECH ATTACHMENTS | 2 |
| TOTAL CMU BLOCKS | 22 | TOTAL CMU BLOCKS | 46 |
| ARRAY LOADING DETAILS | | ARRAY LOADING DETAILS | |
| SINGLE MODULE WT (LB) | 43.0 | SINGLE MODULE WT (LB) | 43.0 |
| SINGLE CMU WT (LB) | 13.4 | SINGLE CMU WT (LB) | 13.4 |
| TOTAL ARRAY WT (LB) | 1002.2 | TOTAL ARRAY WT (LB) | 2310.8 |
| ARRAY AREA (SQ. FT) | 232.5 | ARRAY AREA (SQ. FT) | 565.8 |
| ARRAY LOAD (PSF) | 4.3 | ARRAY LOAD (PSF) | 4.1 |

| SUPPORT LEGEND | | | | | |
|--|---|---|---|---|---|
|  |  |  |  |  |  |
| 0-BLOCK | 1-BLOCK | 2-BLOCK | 3-BLOCK | 4-BLOCK | MECH WITH 3-BLOCKS |
| 2 | REVISED LAYOUT | | | DCA/RFC | JA 2012/09/10 |
| 1 | OPTIMIZED BALLAST FOR SEISMIC AND UPDATED CHANGES | | | JA | RFC 2012/09/07 |
| 0 | INITIAL BALLAST LAYOUT | | | JA | RFC 2012/08/30 |
| REV | DESCRIPTION | | | PREP | CHECK DATE |
| AZIMUTH | |  | |  <div>PANELCLAW, INC. 1600 OSGOOD ST. SUITE 2023 NORTH ANDOVER, MA 01845 TEL: 978.688.4900 FAX: 978.688.5100 www.panelclaw.com</div> | |
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| | | PROJECT | | | |
| | | MADONNA ROAD | | | |
| | | LOCATION | | | |
| | | 1550 MADONNA RD, SAN LUIS OBISPO, CA 93405 | | | |
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| | | DETAIL | | 4 OF 26 | |
| | | REV 2 | | SIZE B | |



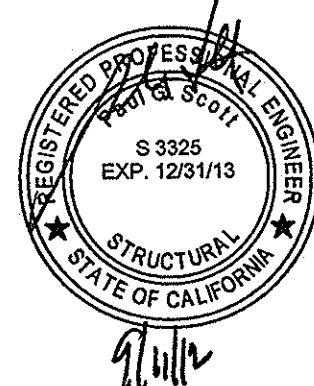
BALLAST LAYOUT - ARRAY 10
SCALE: NTS



BALLAST LAYOUT - ARRAY 9
SCALE: NTS

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| ARRAY 9 | | ARRAY 10 | |
|-----------------------|--------|-----------------------|--------|
| ROOF INFORMATION | | ROOF INFORMATION | |
| WIND SPEED (MPH) | 85 | WIND SPEED (MPH) | 85 |
| EXPOSURE CATEGORY | C | EXPOSURE CATEGORY | C |
| ROOF HEIGHT (FT) | 20 | ROOF HEIGHT (FT) | 20 |
| ROOF TYPE | PVC | ROOF TYPE | PVC |
| SEISMIC DESIGN CAT. | D | SEISMIC DESIGN CAT. | D |
| ARRAY SPECIFICATIONS | | ARRAY SPECIFICATIONS | |
| NUMBER OF MODULES | 14 | NUMBER OF MODULES | 32 |
| MODULE POWER (W) | 235 | MODULE POWER (W) | 235 |
| ARRAY OUTPUT (Kw) | 3.3 | ARRAY OUTPUT (Kw) | 7.5 |
| ARRAY PART QUANTITIES | | ARRAY PART QUANTITIES | |
| ITEM | QTY | ITEM | QTY |
| CLAWS | 56 | CLAWS | 128 |
| DEFLECTORS | 14 | DEFLECTORS | 32 |
| DEFLECTOR END PLATES | 4 | DEFLECTOR END PLATES | 4 |
| POLAR BEAR SUPPORTS | 18 | POLAR BEAR SUPPORTS | 36 |
| SOUTH SUPPORTS | 5 | SOUTH SUPPORTS | 11 |
| MECH ATTACHMENTS | 2 | MECH ATTACHMENTS | 2 |
| TOTAL CMU BLOCKS | 31 | TOTAL CMU BLOCKS | 49 |
| ARRAY LOADING DETAILS | | ARRAY LOADING DETAILS | |
| SINGLE MODULE WT (LB) | 43.0 | SINGLE MODULE WT (LB) | 43.0 |
| SINGLE CMU WT (LB) | 13.4 | SINGLE CMU WT (LB) | 13.4 |
| TOTAL ARRAY WT (LB) | 1610.0 | TOTAL ARRAY WT (LB) | 3271.6 |
| ARRAY AREA (SQ. FT) | 397.5 | ARRAY AREA (SQ. FT) | 879.1 |
| ARRAY LOAD (PSF) | 4.1 | ARRAY LOAD (PSF) | 3.7 |

SUPPORT LEGEND

| | | | | | |
|---------|---------|---------|---------|---------|--------------------|
| | | | | | |
| 0-BLOCK | 1-BLOCK | 2-BLOCK | 3-BLOCK | 4-BLOCK | MECH WITH 3-BLOCKS |

| | | | | |
|---|---|---------|-----|------------|
| 2 | REVISED LAYOUT | DCA/RFC | JA | 2012/09/10 |
| 1 | OPTIMIZED BALLAST FOR SEISMIC AND UPDATED CHANGES | JA | RFC | 2012/09/07 |
| 0 | INITIAL BALLAST LAYOUT | JA | RFC | 2012/08/30 |

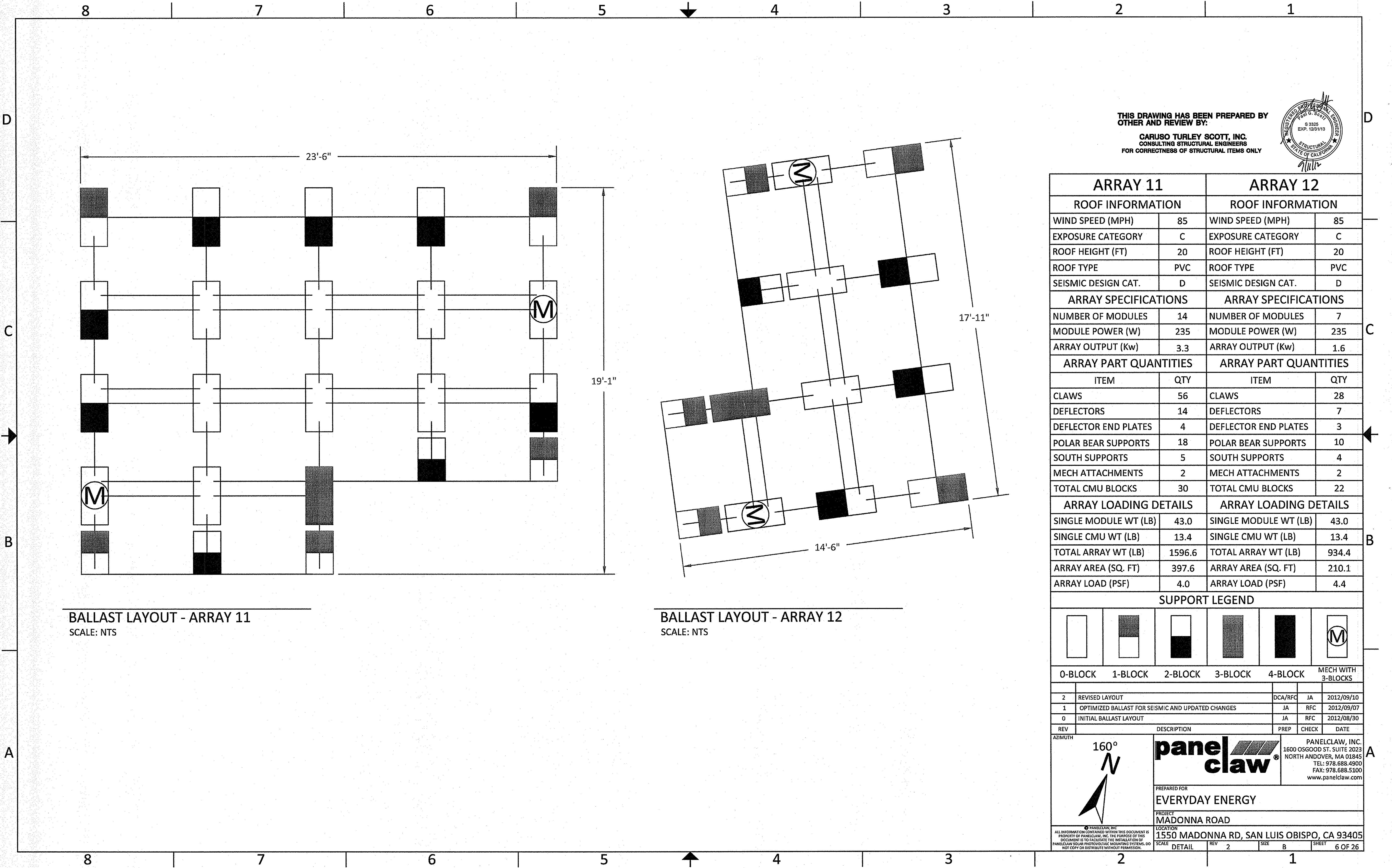
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| REV | DESCRIPTION | PREP | CHECK | DATE |
| 1 | 160° | | | |

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EVERYDAY ENERGY

PROJECT
MADONNA ROAD




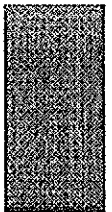



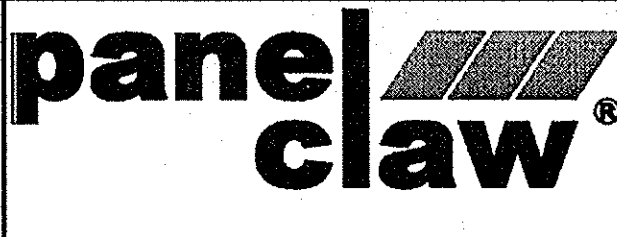
LOCATION
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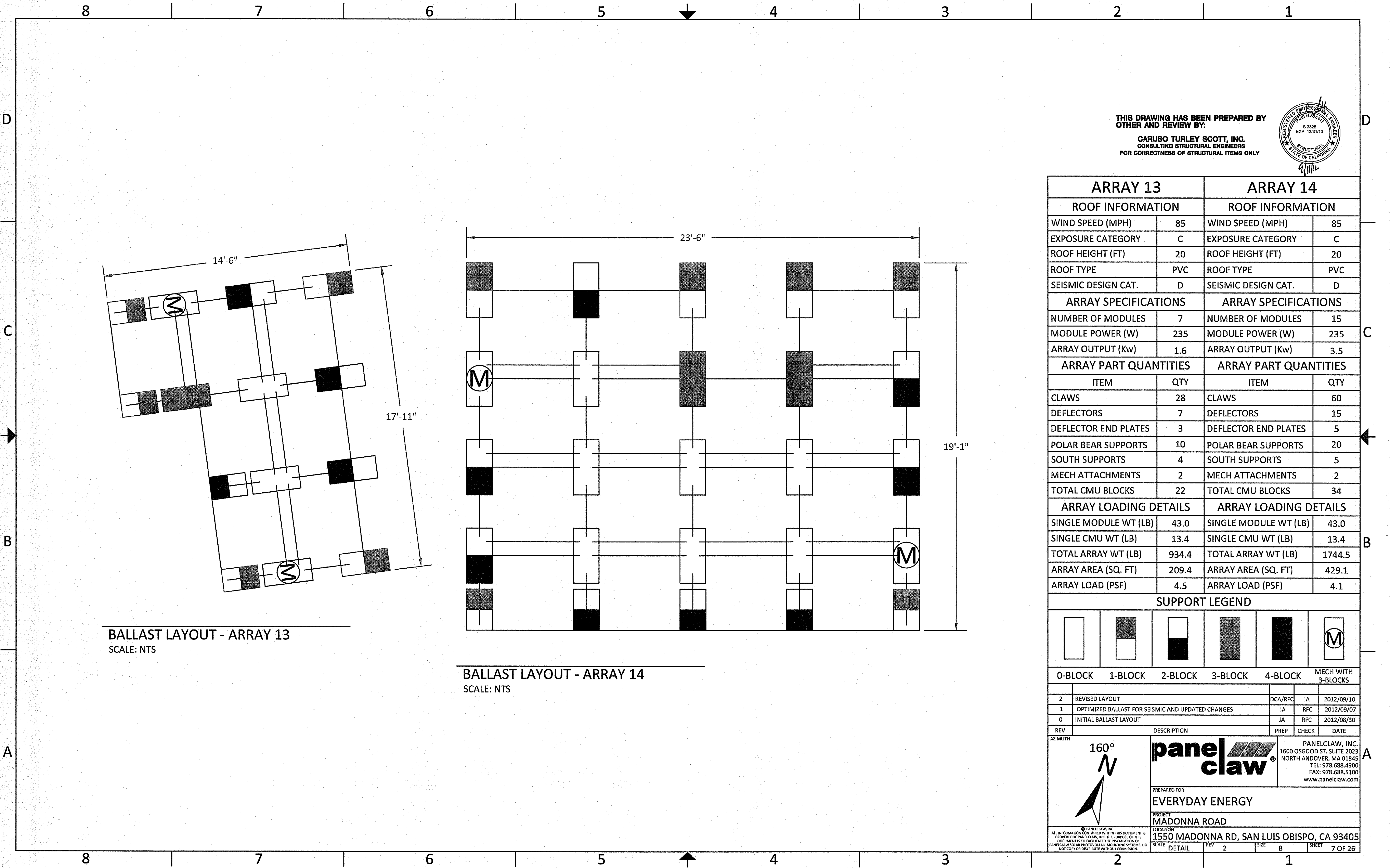


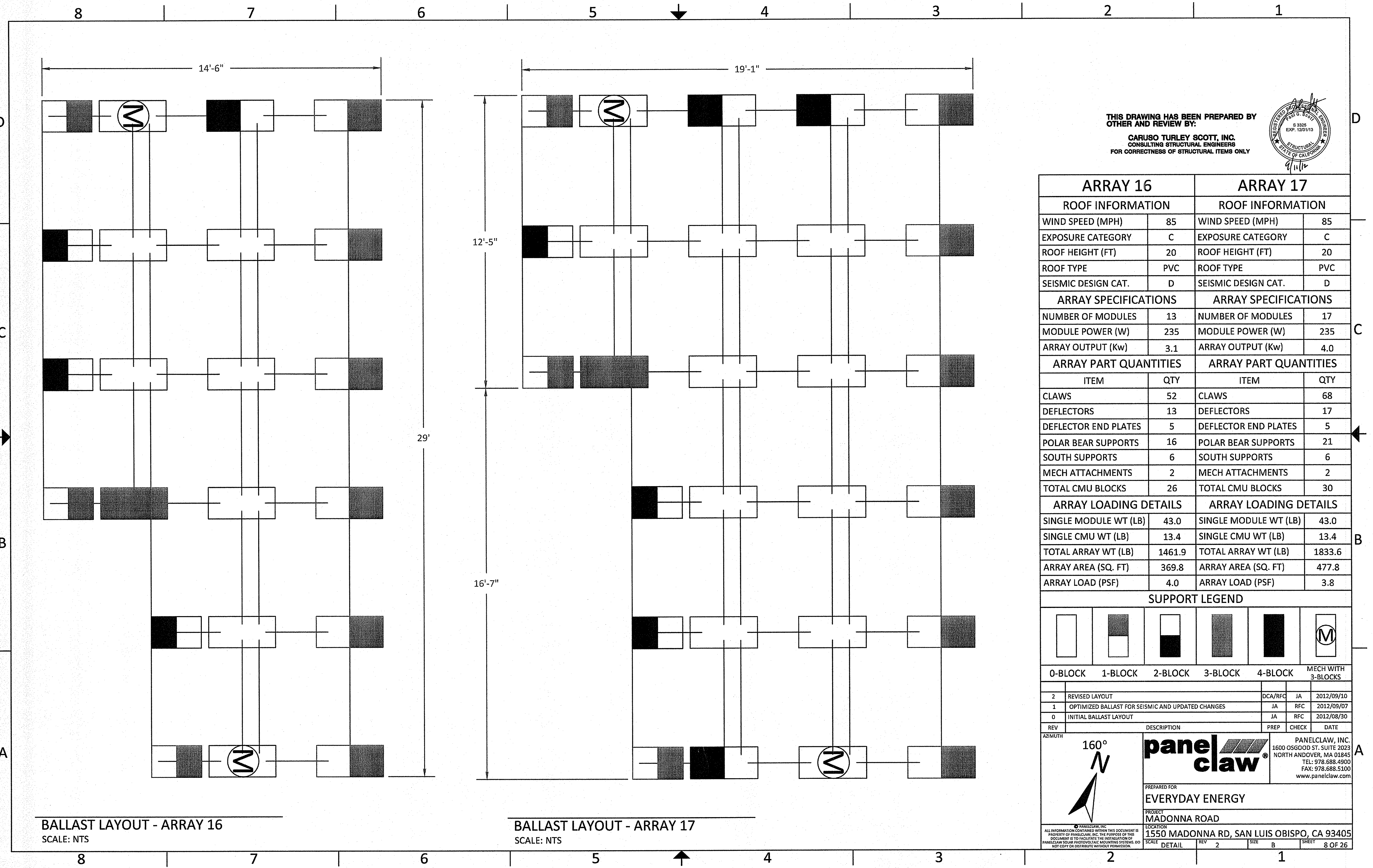
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Paul G. Scott
REGISTERED PROFESSIONAL ENGINEER
S 3325
EXP. 12/31/13
STRUCTURAL
STATE OF CALIFORNIA

| ARRAY 11 | | ARRAY 12 | | | | |
|--|---|---|---|---|---|---|
| ROOF INFORMATION | | ROOF INFORMATION | | | | |
| WIND SPEED (MPH) | 85 | WIND SPEED (MPH) | 85 | | | |
| EXPOSURE CATEGORY | C | EXPOSURE CATEGORY | C | | | |
| ROOF HEIGHT (FT) | 20 | ROOF HEIGHT (FT) | 20 | | | |
| ROOF TYPE | PVC | ROOF TYPE | PVC | | | |
| SEISMIC DESIGN CAT. | D | SEISMIC DESIGN CAT. | D | | | |
| ARRAY SPECIFICATIONS | | ARRAY SPECIFICATIONS | | | | |
| NUMBER OF MODULES | 14 | NUMBER OF MODULES | 7 | | | |
| MODULE POWER (W) | 235 | MODULE POWER (W) | 235 | | | |
| ARRAY OUTPUT (Kw) | 3.3 | ARRAY OUTPUT (Kw) | 1.6 | | | |
| ARRAY PART QUANTITIES | | ARRAY PART QUANTITIES | | | | |
| ITEM | QTY | ITEM | QTY | | | |
| CLAWS | 56 | CLAWS | 28 | | | |
| DEFLECTORS | 14 | DEFLECTORS | 7 | | | |
| DEFLECTOR END PLATES | 4 | DEFLECTOR END PLATES | 3 | | | |
| POLAR BEAR SUPPORTS | 18 | POLAR BEAR SUPPORTS | 10 | | | |
| SOUTH SUPPORTS | 5 | SOUTH SUPPORTS | 4 | | | |
| MECH ATTACHMENTS | 2 | MECH ATTACHMENTS | 2 | | | |
| TOTAL CMU BLOCKS | 30 | TOTAL CMU BLOCKS | 22 | | | |
| ARRAY LOADING DETAILS | | ARRAY LOADING DETAILS | | | | |
| SINGLE MODULE WT (LB) | 43.0 | SINGLE MODULE WT (LB) | 43.0 | | | |
| SINGLE CMU WT (LB) | 13.4 | SINGLE CMU WT (LB) | 13.4 | | | |
| TOTAL ARRAY WT (LB) | 1596.6 | TOTAL ARRAY WT (LB) | 934.4 | | | |
| ARRAY AREA (SQ. FT) | 397.6 | ARRAY AREA (SQ. FT) | 210.1 | | | |
| ARRAY LOAD (PSF) | 4.0 | ARRAY LOAD (PSF) | 4.4 | | | |
| SUPPORT LEGEND | | | | | | |
|  |  |  |  |  |  | |
| 0-BLOCK | 1-BLOCK | 2-BLOCK | 3-BLOCK | 4-BLOCK | MECH WITH 3-BLOCKS | |
| 2 | REVISED LAYOUT | | | DCA/RFC | JA | 2012/09/10 |
| 1 | OPTIMIZED BALLAST FOR SEISMIC AND UPDATED CHANGES | | | JA | RFC | 2012/09/07 |
| 0 | INITIAL BALLAST LAYOUT | | | JA | RFC | 2012/08/30 |
| REV | DESCRIPTION | | | PREP | CHECK | DATE |
| AZIMUTH | |  | |  | | <div>PANELCLAW, INC. 1600 OSGOOD ST. SUITE 2023 NORTH ANDOVER, MA 01845 TEL: 978.688.4900 FAX: 978.688.5100 www.panelclaw.com</div> |
| | | PREPARED FOR | | EVERYDAY ENERGY | | |
| | | PROJECT | | MADONNA ROAD | | |
| | | LOCATION | | 1550 MADONNA RD, SAN LUIS OBISPO, CA 93405 | | |
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| | | SIZE | | B | SHEET | 6 OF 26 |

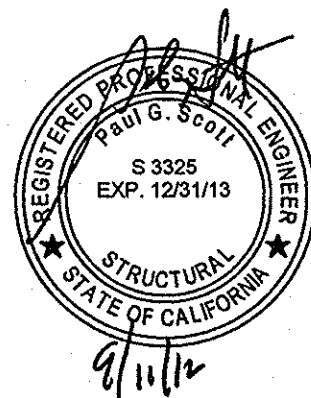












BALLAST LAYOUT - ARRAY 16
SCALE: NTS

BALLAST LAYOUT - ARRAY 17
SCALE: NTS

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| ARRAY 16 | | ARRAY 17 | | | | | | | |
|---|---|---|---|---|---|---|---|-------|---------|
| ROOF INFORMATION | | ROOF INFORMATION | | | | | | | |
| WIND SPEED (MPH) | 85 | WIND SPEED (MPH) | 85 | | | | | | |
| EXPOSURE CATEGORY | C | EXPOSURE CATEGORY | C | | | | | | |
| ROOF HEIGHT (FT) | 20 | ROOF HEIGHT (FT) | 20 | | | | | | |
| ROOF TYPE | PVC | ROOF TYPE | PVC | | | | | | |
| SEISMIC DESIGN CAT. | D | SEISMIC DESIGN CAT. | D | | | | | | |
| ARRAY SPECIFICATIONS | | ARRAY SPECIFICATIONS | | | | | | | |
| NUMBER OF MODULES | 13 | NUMBER OF MODULES | 17 | | | | | | |
| MODULE POWER (W) | 235 | MODULE POWER (W) | 235 | | | | | | |
| ARRAY OUTPUT (Kw) | 3.1 | ARRAY OUTPUT (Kw) | 4.0 | | | | | | |
| ARRAY PART QUANTITIES | | ARRAY PART QUANTITIES | | | | | | | |
| ITEM | QTY | ITEM | QTY | | | | | | |
| CLAWS | 52 | CLAWS | 68 | | | | | | |
| DEFLECTORS | 13 | DEFLECTORS | 17 | | | | | | |
| DEFLECTOR END PLATES | 5 | DEFLECTOR END PLATES | 5 | | | | | | |
| POLAR BEAR SUPPORTS | 16 | POLAR BEAR SUPPORTS | 21 | | | | | | |
| SOUTH SUPPORTS | 6 | SOUTH SUPPORTS | 6 | | | | | | |
| MECH ATTACHMENTS | 2 | MECH ATTACHMENTS | 2 | | | | | | |
| TOTAL CMU BLOCKS | 26 | TOTAL CMU BLOCKS | 30 | | | | | | |
| ARRAY LOADING DETAILS | | ARRAY LOADING DETAILS | | | | | | | |
| SINGLE MODULE WT (LB) | 43.0 | SINGLE MODULE WT (LB) | 43.0 | | | | | | |
| SINGLE CMU WT (LB) | 13.4 | SINGLE CMU WT (LB) | 13.4 | | | | | | |
| TOTAL ARRAY WT (LB) | 1461.9 | TOTAL ARRAY WT (LB) | 1833.6 | | | | | | |
| ARRAY AREA (SQ. FT) | 369.8 | ARRAY AREA (SQ. FT) | 477.8 | | | | | | |
| ARRAY LOAD (PSF) | 4.0 | ARRAY LOAD (PSF) | 3.8 | | | | | | |
| SUPPORT LEGEND | | | | | | | | | |
|  |  |  |  |  |  | | | | |
| 0-BLOCK | 1-BLOCK | 2-BLOCK | 3-BLOCK | 4-BLOCK | MECH WITH 3-BLOCKS | | | | |
| 2 | REVISED LAYOUT | | | DCA/RFC | JA | 2012/09/10 | | | |
| 1 | OPTIMIZED BALLAST FOR SEISMIC AND UPDATED CHANGES | | | JA | RFC | 2012/09/07 | | | |
| 0 | INITIAL BALLAST LAYOUT | | | JA | RFC | 2012/08/30 | | | |
| REV | DESCRIPTION | | | PREP | CHECK | DATE | | | |
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| | | EVERYDAY ENERGY | | | | | | | |
| | | PROJECT | | | | | | | |
| | | MADONNA ROAD | | | | | | | |
| | | LOCATION | | | | | | | |
| | | 1550 MADONNA RD, SAN LUIS OBISPO, CA 93405 | | | | | | | |
| | | SCALE | DETAIL | REV | 2 | SIZE | B | SHEET | 8 OF 26 |

8 7 6 5 4 3 2 1

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9/11/16

| ARRAY 18 | | ARRAY 19 | |
|-----------------------|--------|-----------------------|--------|
| ROOF INFORMATION | | ROOF INFORMATION | |
| WIND SPEED (MPH) | 85 | WIND SPEED (MPH) | 85 |
| EXPOSURE CATEGORY | C | EXPOSURE CATEGORY | C |
| ROOF HEIGHT (FT) | 20 | ROOF HEIGHT (FT) | 20 |
| ROOF TYPE | PVC | ROOF TYPE | PVC |
| SEISMIC DESIGN CAT. | D | SEISMIC DESIGN CAT. | D |
| ARRAY SPECIFICATIONS | | ARRAY SPECIFICATIONS | |
| NUMBER OF MODULES | 12 | NUMBER OF MODULES | 14 |
| MODULE POWER (W) | 235 | MODULE POWER (W) | 235 |
| ARRAY OUTPUT (Kw) | 2.8 | ARRAY OUTPUT (Kw) | 3.3 |
| ARRAY PART QUANTITIES | | ARRAY PART QUANTITIES | |
| ITEM | QTY | ITEM | QTY |
| CLAWS | 48 | CLAWS | 56 |
| DEFLECTORS | 12 | DEFLECTORS | 14 |
| DEFLECTOR END PLATES | 4 | DEFLECTOR END PLATES | 4 |
| POLAR BEAR SUPPORTS | 16 | POLAR BEAR SUPPORTS | 18 |
| SOUTH SUPPORTS | 5 | SOUTH SUPPORTS | 5 |
| MECH ATTACHMENTS | 2 | MECH ATTACHMENTS | 2 |
| TOTAL CMU BLOCKS | 29 | TOTAL CMU BLOCKS | 30 |
| ARRAY LOADING DETAILS | | ARRAY LOADING DETAILS | |
| SINGLE MODULE WT (LB) | 43.0 | SINGLE MODULE WT (LB) | 43.0 |
| SINGLE CMU WT (LB) | 13.4 | SINGLE CMU WT (LB) | 13.4 |
| TOTAL ARRAY WT (LB) | 1433.9 | TOTAL ARRAY WT (LB) | 1596.6 |
| ARRAY AREA (SQ. FT) | 348.5 | ARRAY AREA (SQ. FT) | 397.6 |
| ARRAY LOAD (PSF) | 4.1 | ARRAY LOAD (PSF) | 4.0 |

SUPPORT LEGEND

0-BLOCK 1-BLOCK 2-BLOCK 3-BLOCK 4-BLOCK MECH WITH 3-BLOCKS

| | | | | |
|-----|---|---------|-------|------------|
| 2 | REVISED LAYOUT | DCA/RFC | JA | 2012/09/10 |
| 1 | OPTIMIZED BALLAST FOR SEISMIC AND UPDATED CHANGES | JA | RFC | 2012/09/07 |
| 0 | INITIAL BALLAST LAYOUT | JA | RFC | 2012/08/30 |
| REV | DESCRIPTION | PREP | CHECK | DATE |

AZIMUTH

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EVERYDAY ENERGY

PROJECT
MADONNA ROAD

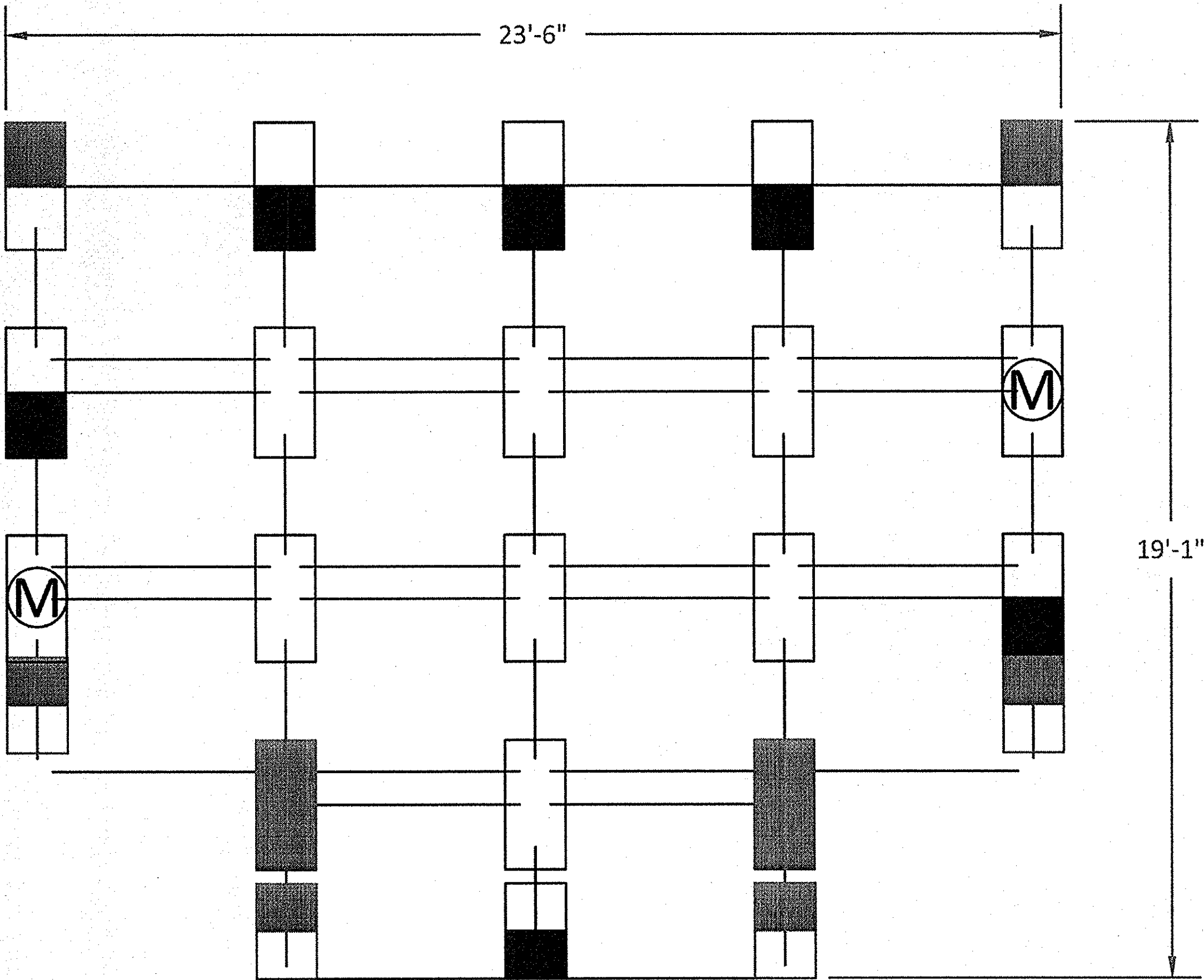
LOCATION
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SCALE
DETAIL

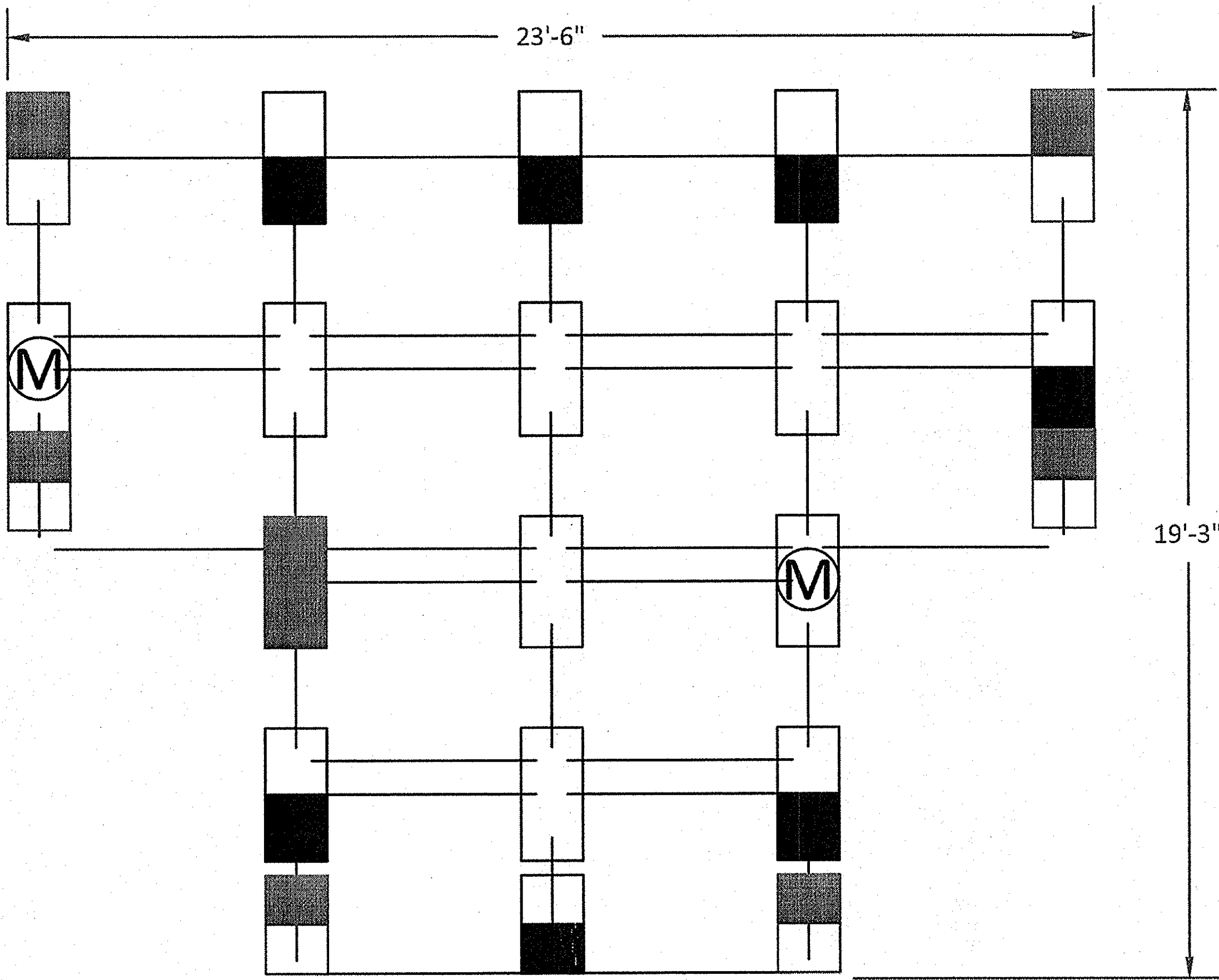
REV
2

SIZE
B

SHEET
9 OF 26

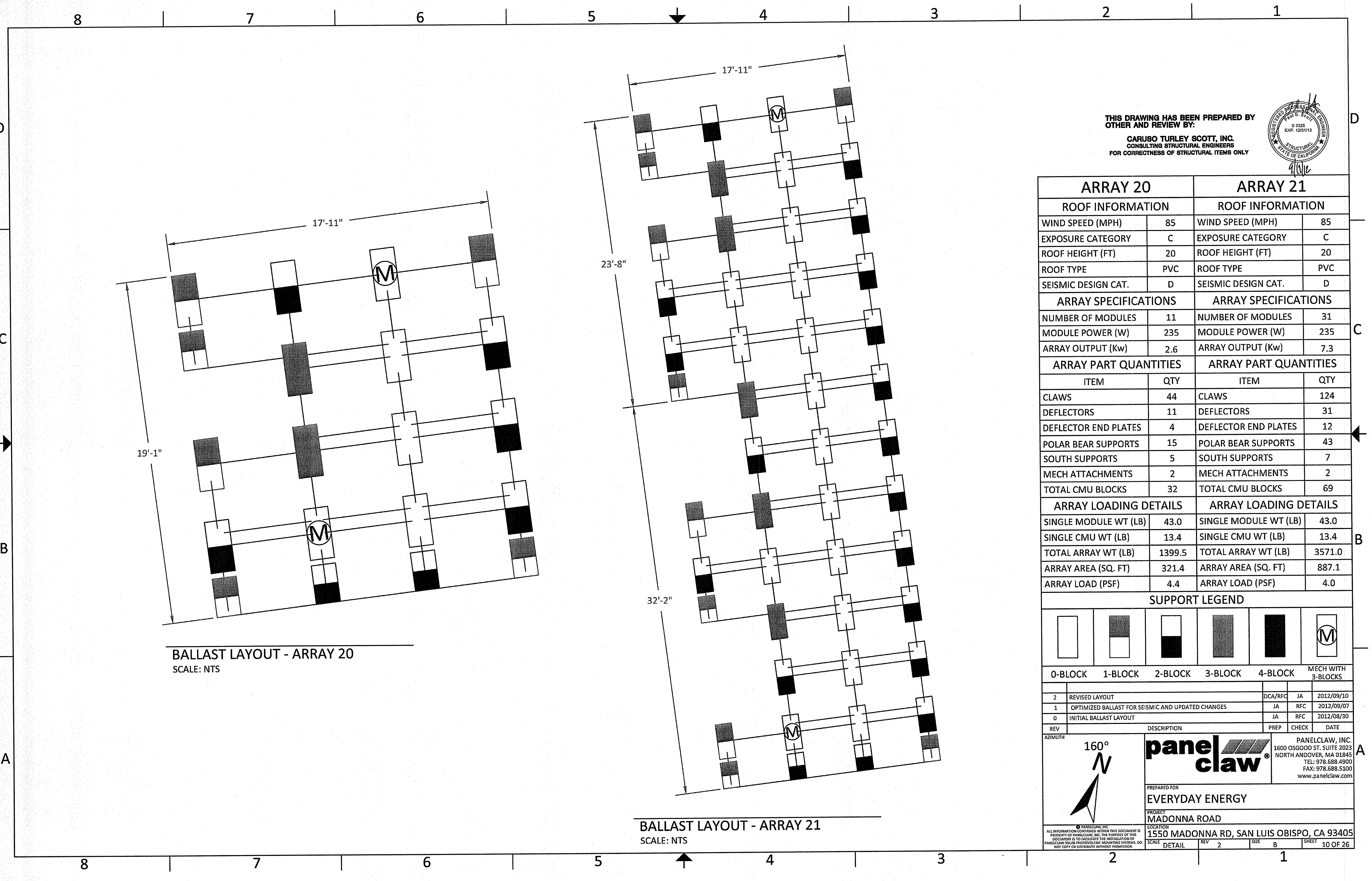


BALLAST LAYOUT - ARRAY 18
SCALE: NTS



BALLAST LAYOUT - ARRAY 19
SCALE: NTS

8 7 6 5 4 3 2 1

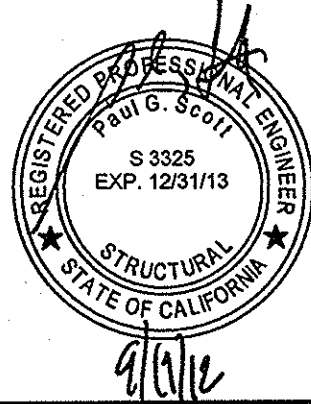










BALLAST LAYOUT - ARRAY 20
SCALE: NTS

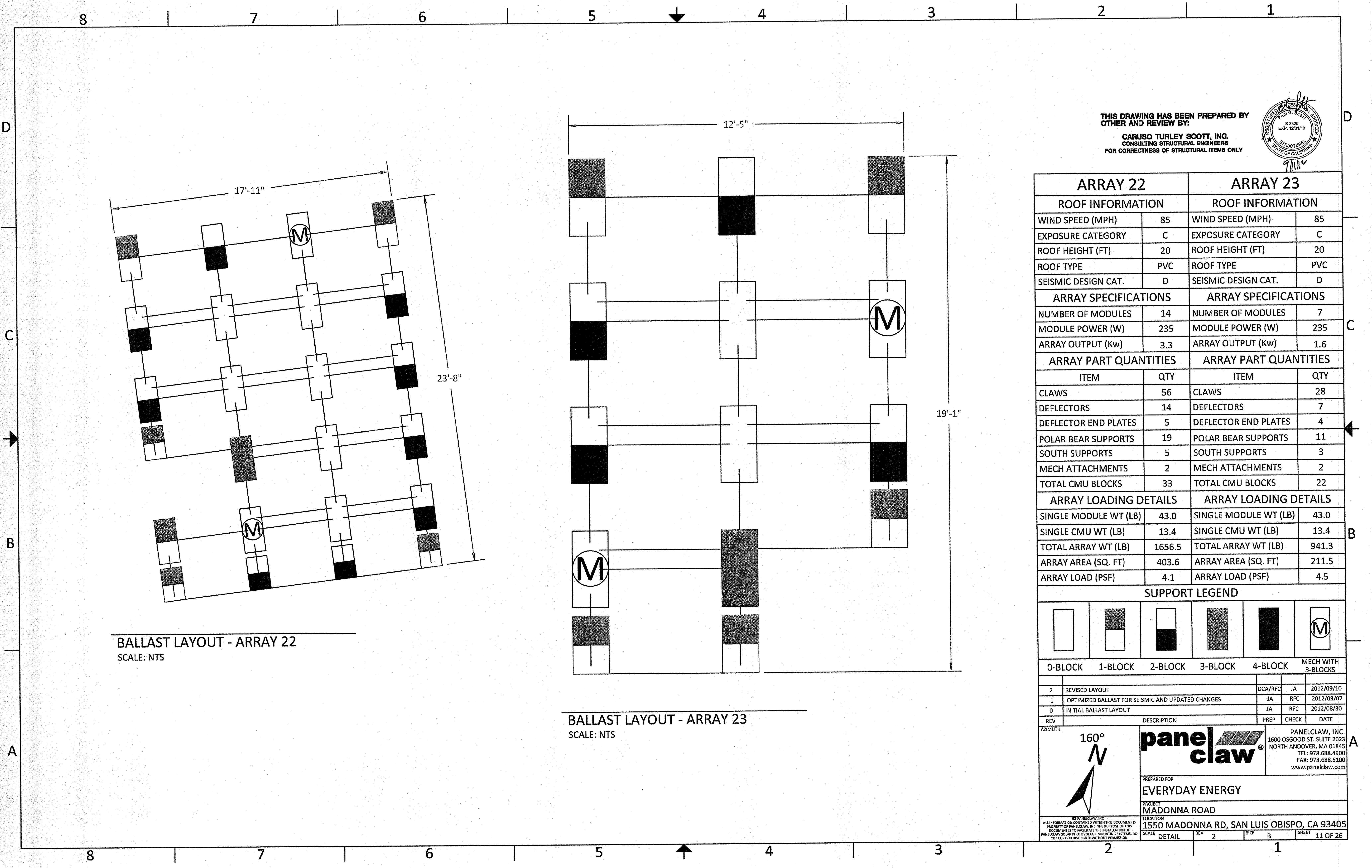
BALLAST LAYOUT - ARRAY 21
SCALE: NTS

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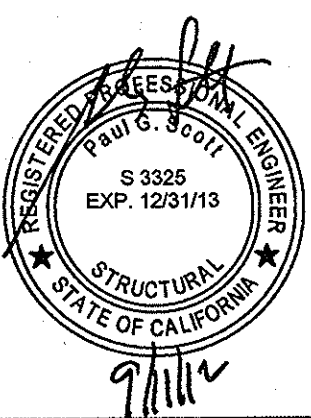
| ARRAY 20 | | ARRAY 21 | | | | | | |
|--|---|--|---|---|---|------------|-------|----------|
| ROOF INFORMATION | | ROOF INFORMATION | | | | | | |
| WIND SPEED (MPH) | 85 | WIND SPEED (MPH) | 85 | | | | | |
| EXPOSURE CATEGORY | C | EXPOSURE CATEGORY | C | | | | | |
| ROOF HEIGHT (FT) | 20 | ROOF HEIGHT (FT) | 20 | | | | | |
| ROOF TYPE | PVC | ROOF TYPE | PVC | | | | | |
| SEISMIC DESIGN CAT. | D | SEISMIC DESIGN CAT. | D | | | | | |
| ARRAY SPECIFICATIONS | | ARRAY SPECIFICATIONS | | | | | | |
| NUMBER OF MODULES | 11 | NUMBER OF MODULES | 31 | | | | | |
| MODULE POWER (W) | 235 | MODULE POWER (W) | 235 | | | | | |
| ARRAY OUTPUT (Kw) | 2.6 | ARRAY OUTPUT (Kw) | 7.3 | | | | | |
| ARRAY PART QUANTITIES | | ARRAY PART QUANTITIES | | | | | | |
| ITEM | QTY | ITEM | QTY | | | | | |
| CLAWS | 44 | CLAWS | 124 | | | | | |
| DEFLECTORS | 11 | DEFLECTORS | 31 | | | | | |
| DEFLECTOR END PLATES | 4 | DEFLECTOR END PLATES | 12 | | | | | |
| POLAR BEAR SUPPORTS | 15 | POLAR BEAR SUPPORTS | 43 | | | | | |
| SOUTH SUPPORTS | 5 | SOUTH SUPPORTS | 7 | | | | | |
| MECH ATTACHMENTS | 2 | MECH ATTACHMENTS | 2 | | | | | |
| TOTAL CMU BLOCKS | 32 | TOTAL CMU BLOCKS | 69 | | | | | |
| ARRAY LOADING DETAILS | | ARRAY LOADING DETAILS | | | | | | |
| SINGLE MODULE WT (LB) | 43.0 | SINGLE MODULE WT (LB) | 43.0 | | | | | |
| SINGLE CMU WT (LB) | 13.4 | SINGLE CMU WT (LB) | 13.4 | | | | | |
| TOTAL ARRAY WT (LB) | 1399.5 | TOTAL ARRAY WT (LB) | 3571.0 | | | | | |
| ARRAY AREA (SQ. FT) | 321.4 | ARRAY AREA (SQ. FT) | 887.1 | | | | | |
| ARRAY LOAD (PSF) | 4.4 | ARRAY LOAD (PSF) | 4.0 | | | | | |
| SUPPORT LEGEND | | | | | | | | |
|  |  |  |  |  |  | | | |
| 0-BLOCK | 1-BLOCK | 2-BLOCK | 3-BLOCK | 4-BLOCK | MECH WITH 3-BLOCKS | | | |
| 2 | REVISED LAYOUT | | | DCA/RFC | JA | 2012/09/10 | | |
| 1 | OPTIMIZED BALLAST FOR SEISMIC AND UPDATED CHANGES | | | JA | RFC | 2012/09/07 | | |
| 0 | INITIAL BALLAST LAYOUT | | | JA | RFC | 2012/08/30 | | |
| REV | DESCRIPTION | | | PREP | CHECK | DATE | | |
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| | | | | | | | | |
| | | PREPARED FOR | | EVERYDAY ENERGY | | | | |
| | | PROJECT | | MADONNA ROAD | | | | |
| LOCATION | | 1550 MADONNA RD, SAN LUIS OBISPO, CA 93405 | | | | | | |
| SCALE | | DETAIL | REV | 2 | SIZE | B | SHEET | 10 OF 26 |



BALLAST LAYOUT - ARRAY 22
SCALE: NTS

BALLAST LAYOUT - ARRAY 23
SCALE: NTS

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| ARRAY 22 | | ARRAY 23 | |
|-----------------------|--------|-----------------------|-------|
| ROOF INFORMATION | | ROOF INFORMATION | |
| WIND SPEED (MPH) | 85 | WIND SPEED (MPH) | 85 |
| EXPOSURE CATEGORY | C | EXPOSURE CATEGORY | C |
| ROOF HEIGHT (FT) | 20 | ROOF HEIGHT (FT) | 20 |
| ROOF TYPE | PVC | ROOF TYPE | PVC |
| SEISMIC DESIGN CAT. | D | SEISMIC DESIGN CAT. | D |
| ARRAY SPECIFICATIONS | | ARRAY SPECIFICATIONS | |
| NUMBER OF MODULES | 14 | NUMBER OF MODULES | 7 |
| MODULE POWER (W) | 235 | MODULE POWER (W) | 235 |
| ARRAY OUTPUT (Kw) | 3.3 | ARRAY OUTPUT (Kw) | 1.6 |
| ARRAY PART QUANTITIES | | ARRAY PART QUANTITIES | |
| ITEM | QTY | ITEM | QTY |
| CLAWS | 56 | CLAWS | 28 |
| DEFLECTORS | 14 | DEFLECTORS | 7 |
| DEFLECTOR END PLATES | 5 | DEFLECTOR END PLATES | 4 |
| POLAR BEAR SUPPORTS | 19 | POLAR BEAR SUPPORTS | 11 |
| SOUTH SUPPORTS | 5 | SOUTH SUPPORTS | 3 |
| MECH ATTACHMENTS | 2 | MECH ATTACHMENTS | 2 |
| TOTAL CMU BLOCKS | 33 | TOTAL CMU BLOCKS | 22 |
| ARRAY LOADING DETAILS | | ARRAY LOADING DETAILS | |
| SINGLE MODULE WT (LB) | 43.0 | SINGLE MODULE WT (LB) | 43.0 |
| SINGLE CMU WT (LB) | 13.4 | SINGLE CMU WT (LB) | 13.4 |
| TOTAL ARRAY WT (LB) | 1656.5 | TOTAL ARRAY WT (LB) | 941.3 |
| ARRAY AREA (SQ. FT) | 403.6 | ARRAY AREA (SQ. FT) | 211.5 |
| ARRAY LOAD (PSF) | 4.1 | ARRAY LOAD (PSF) | 4.5 |

SUPPORT LEGEND

| | | | | | |
|---------|---------|---------|---------|---------|--------------------|
| | | | | | |
| 0-BLOCK | 1-BLOCK | 2-BLOCK | 3-BLOCK | 4-BLOCK | MECH WITH 3-BLOCKS |

| | | | | |
|-----|---|---------|-------|------------|
| 2 | REVISED LAYOUT | DCA/RFC | JA | 2012/09/10 |
| 1 | OPTIMIZED BALLAST FOR SEISMIC AND UPDATED CHANGES | JA | RFC | 2012/09/07 |
| 0 | INITIAL BALLAST LAYOUT | JA | RFC | 2012/08/30 |
| REV | DESCRIPTION | PREP | CHECK | DATE |

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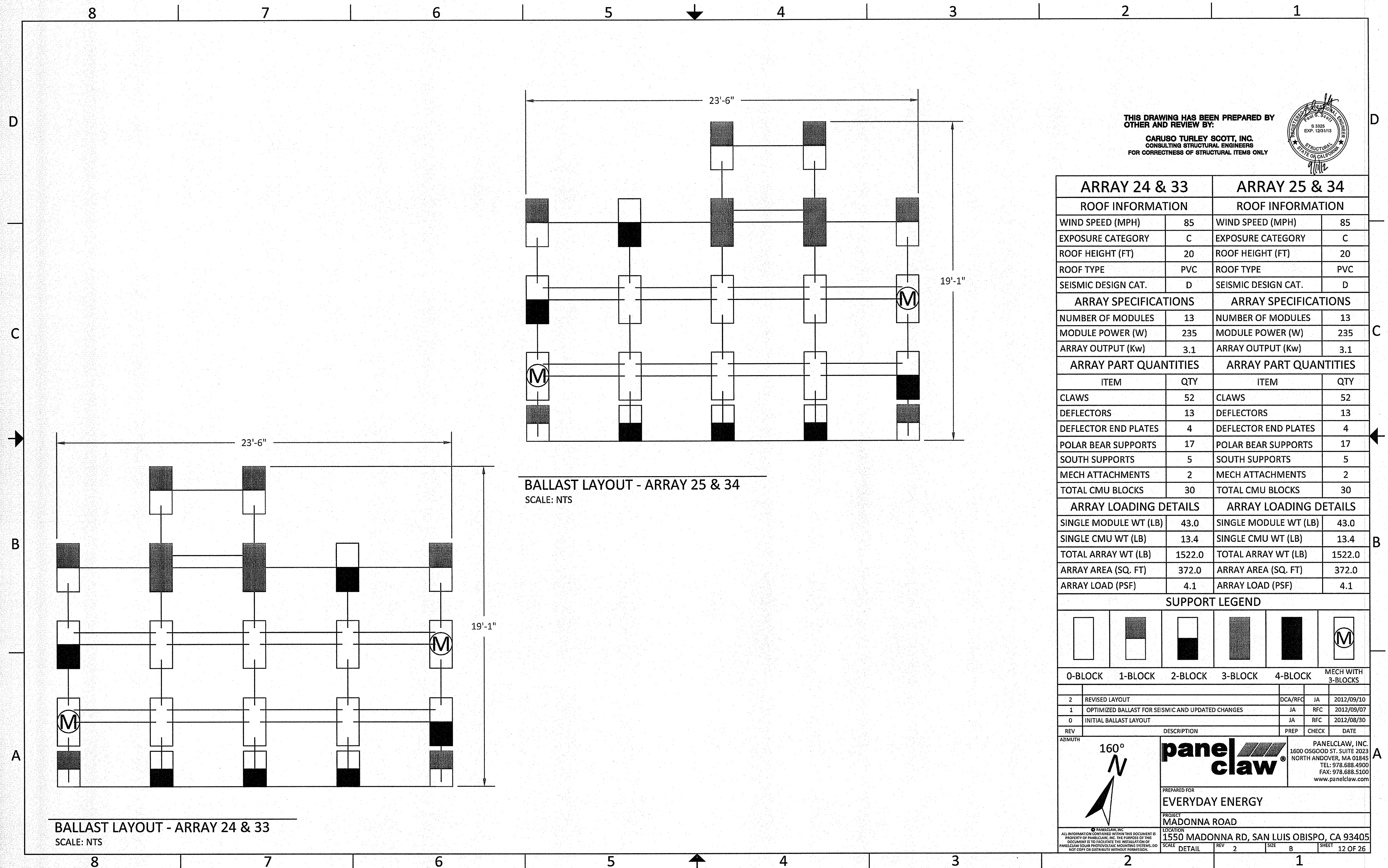
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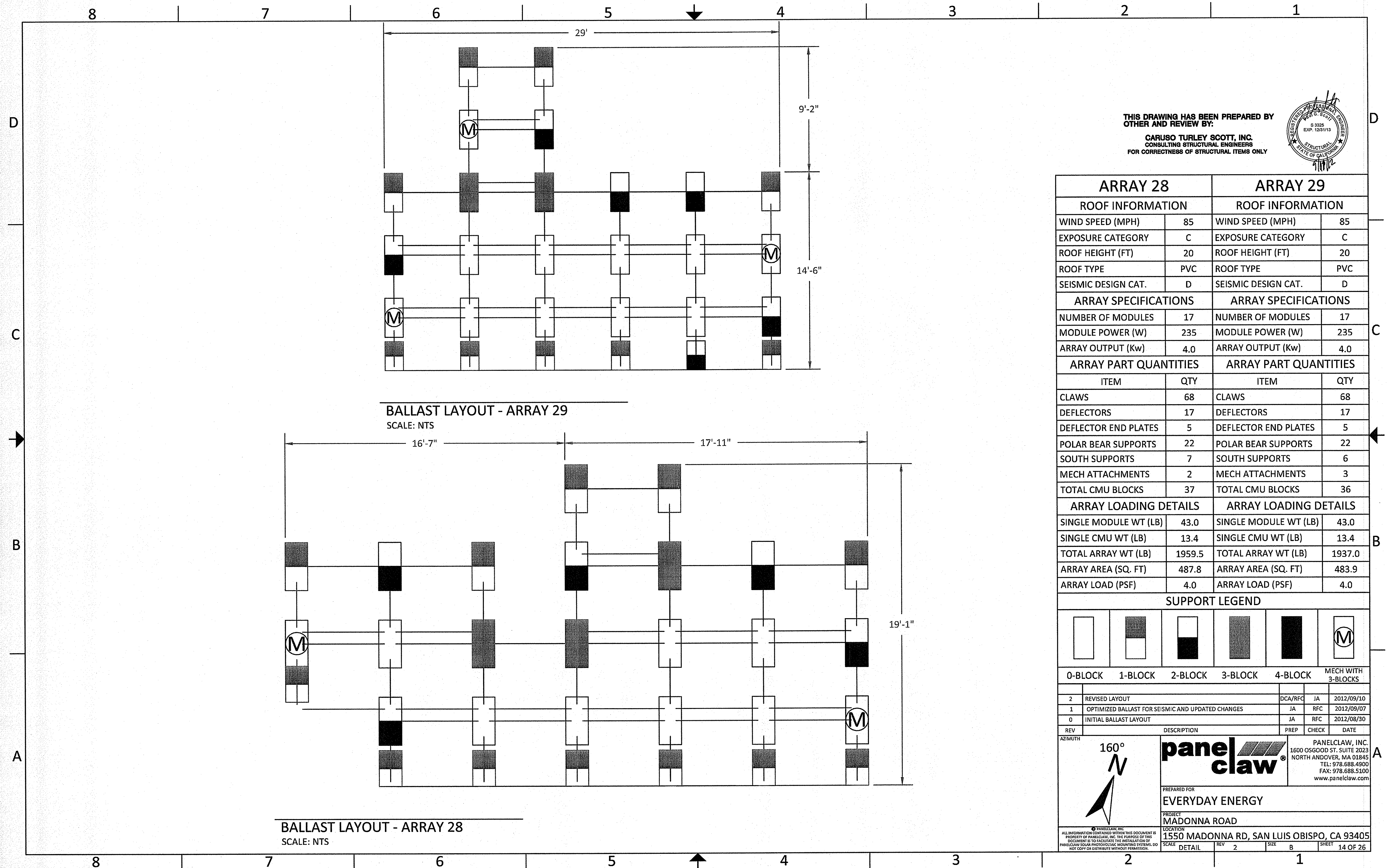
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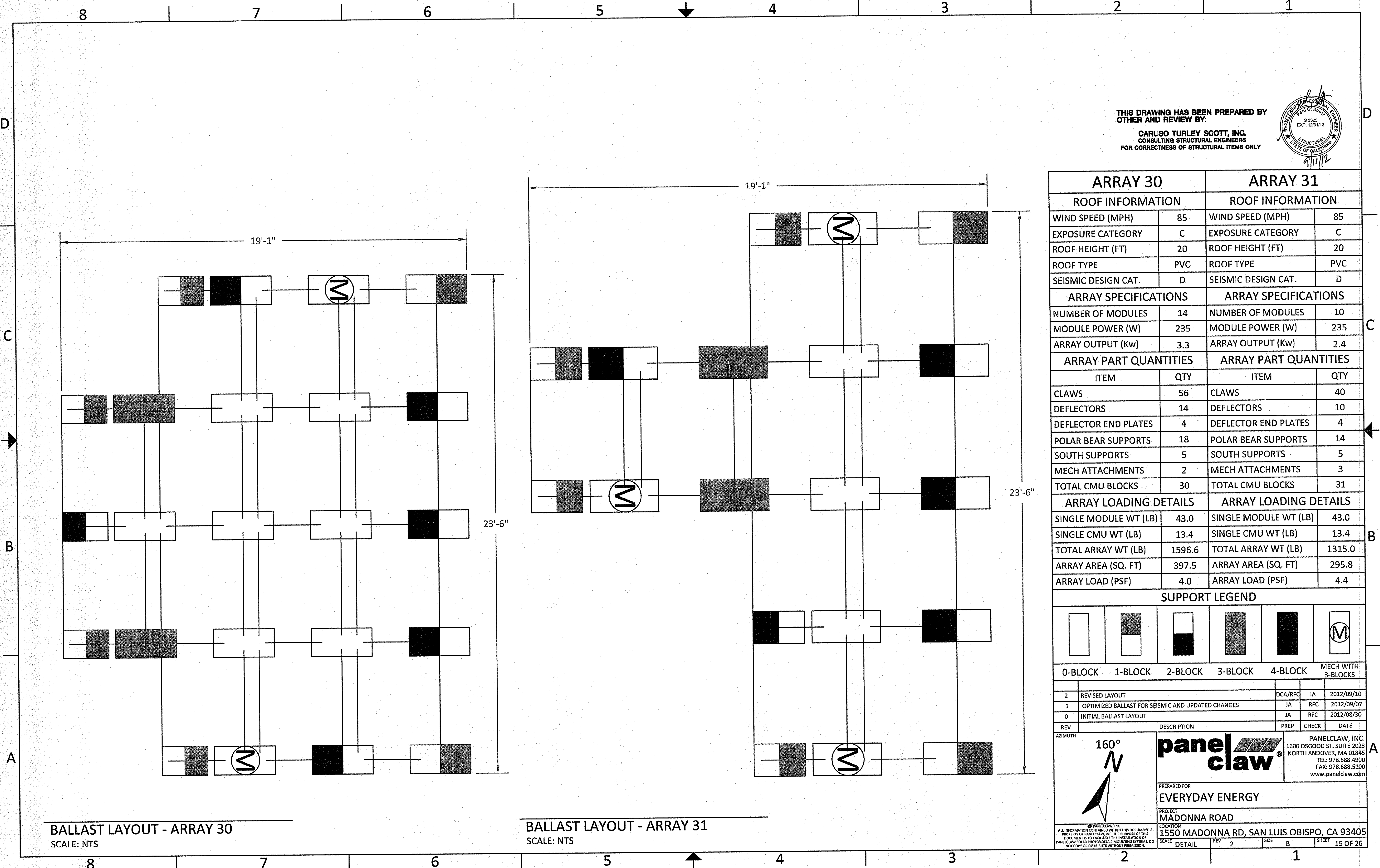
PROJECT
MADONNA ROAD

LOCATION
1550 MADONNA RD, SAN LUIS OBISPO, CA 93405

| | | | |
|-----------------|----------|-----------|-------------------|
| SCALE DETAIL | REV 2 | SIZE B | SHEET 11 OF 26 |
|-----------------|----------|-----------|-------------------|















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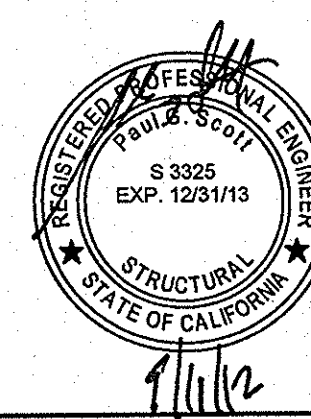
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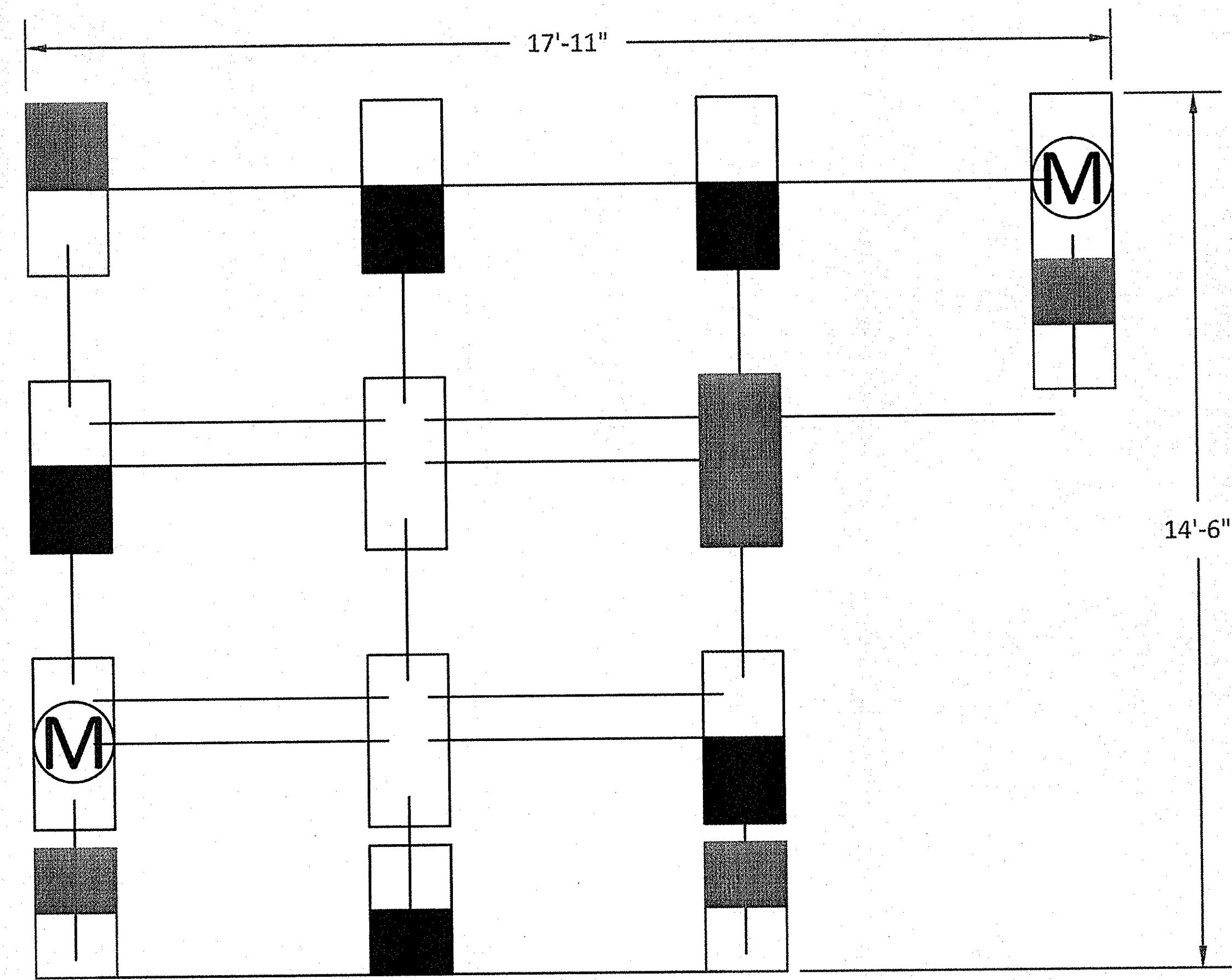
| ARRAY 30 | | ARRAY 31 | | | | |
|---|---|---|---|---|---|--|
| ROOF INFORMATION | | ROOF INFORMATION | | | | |
| WIND SPEED (MPH) | 85 | WIND SPEED (MPH) | 85 | | | |
| EXPOSURE CATEGORY | C | EXPOSURE CATEGORY | C | | | |
| ROOF HEIGHT (FT) | 20 | ROOF HEIGHT (FT) | 20 | | | |
| ROOF TYPE | PVC | ROOF TYPE | PVC | | | |
| SEISMIC DESIGN CAT. | D | SEISMIC DESIGN CAT. | D | | | |
| ARRAY SPECIFICATIONS | | ARRAY SPECIFICATIONS | | | | |
| NUMBER OF MODULES | 14 | NUMBER OF MODULES | 10 | | | |
| MODULE POWER (W) | 235 | MODULE POWER (W) | 235 | | | |
| ARRAY OUTPUT (Kw) | 3.3 | ARRAY OUTPUT (Kw) | 2.4 | | | |
| ARRAY PART QUANTITIES | | ARRAY PART QUANTITIES | | | | |
| ITEM | QTY | ITEM | QTY | | | |
| CLAWS | 56 | CLAWS | 40 | | | |
| DEFLECTORS | 14 | DEFLECTORS | 10 | | | |
| DEFLECTOR END PLATES | 4 | DEFLECTOR END PLATES | 4 | | | |
| POLAR BEAR SUPPORTS | 18 | POLAR BEAR SUPPORTS | 14 | | | |
| SOUTH SUPPORTS | 5 | SOUTH SUPPORTS | 5 | | | |
| MECH ATTACHMENTS | 2 | MECH ATTACHMENTS | 3 | | | |
| TOTAL CMU BLOCKS | 30 | TOTAL CMU BLOCKS | 31 | | | |
| ARRAY LOADING DETAILS | | ARRAY LOADING DETAILS | | | | |
| SINGLE MODULE WT (LB) | 43.0 | SINGLE MODULE WT (LB) | 43.0 | | | |
| SINGLE CMU WT (LB) | 13.4 | SINGLE CMU WT (LB) | 13.4 | | | |
| TOTAL ARRAY WT (LB) | 1596.6 | TOTAL ARRAY WT (LB) | 1315.0 | | | |
| ARRAY AREA (SQ. FT) | 397.5 | ARRAY AREA (SQ. FT) | 295.8 | | | |
| ARRAY LOAD (PSF) | 4.0 | ARRAY LOAD (PSF) | 4.4 | | | |
| SUPPORT LEGEND | | | | | | |
|  |  |  |  |  |  | |
| 0-BLOCK | 1-BLOCK | 2-BLOCK | 3-BLOCK | 4-BLOCK | MECH WITH 3-BLOCKS | |
| 2 | REVISED LAYOUT | | | DCA/RFC | JA | 2012/09/10 |
| 1 | OPTIMIZED BALLAST FOR SEISMIC AND UPDATED CHANGES | | | JA | RFC | 2012/09/07 |
| 0 | INITIAL BALLAST LAYOUT | | | JA | RFC | 2012/08/30 |
| REV | DESCRIPTION | | | PREP | CHECK | DATE |
| AZIMUTH | |  | |  | | PANELCLAW, INC. 1600 OSGOOD ST., SUITE 2023 NORTH ANDOVER, MA 01845 TEL: 978.688.4900 FAX: 978.688.5100 www.panelclaw.com |
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| | | PROJECT | | MADONNA ROAD | | |
| | | LOCATION | | 1550 MADONNA RD, SAN LUIS OBISPO, CA 93405 | | |
| | | SCALE | DETAIL | REV | 2 | SIZE |

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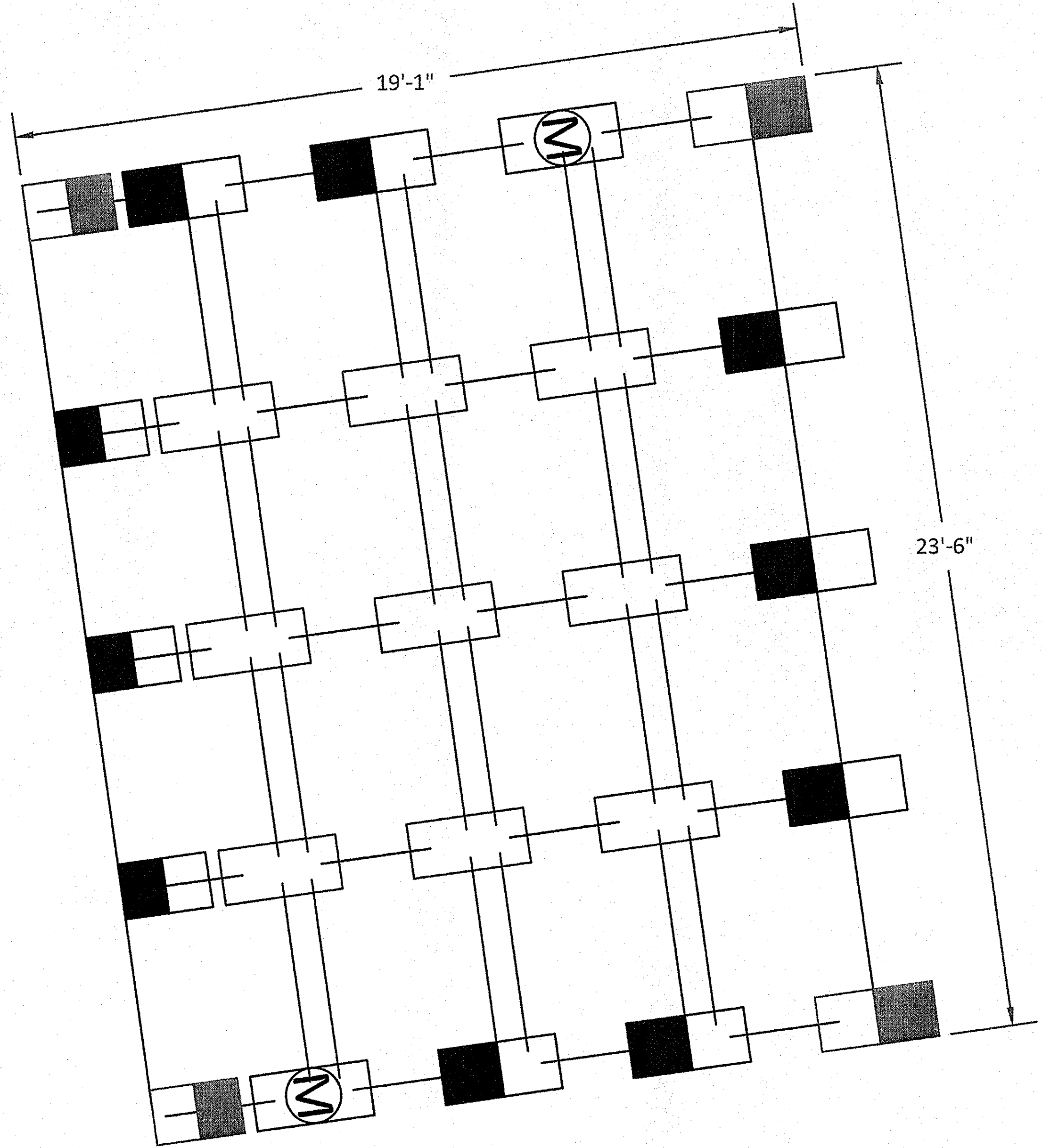
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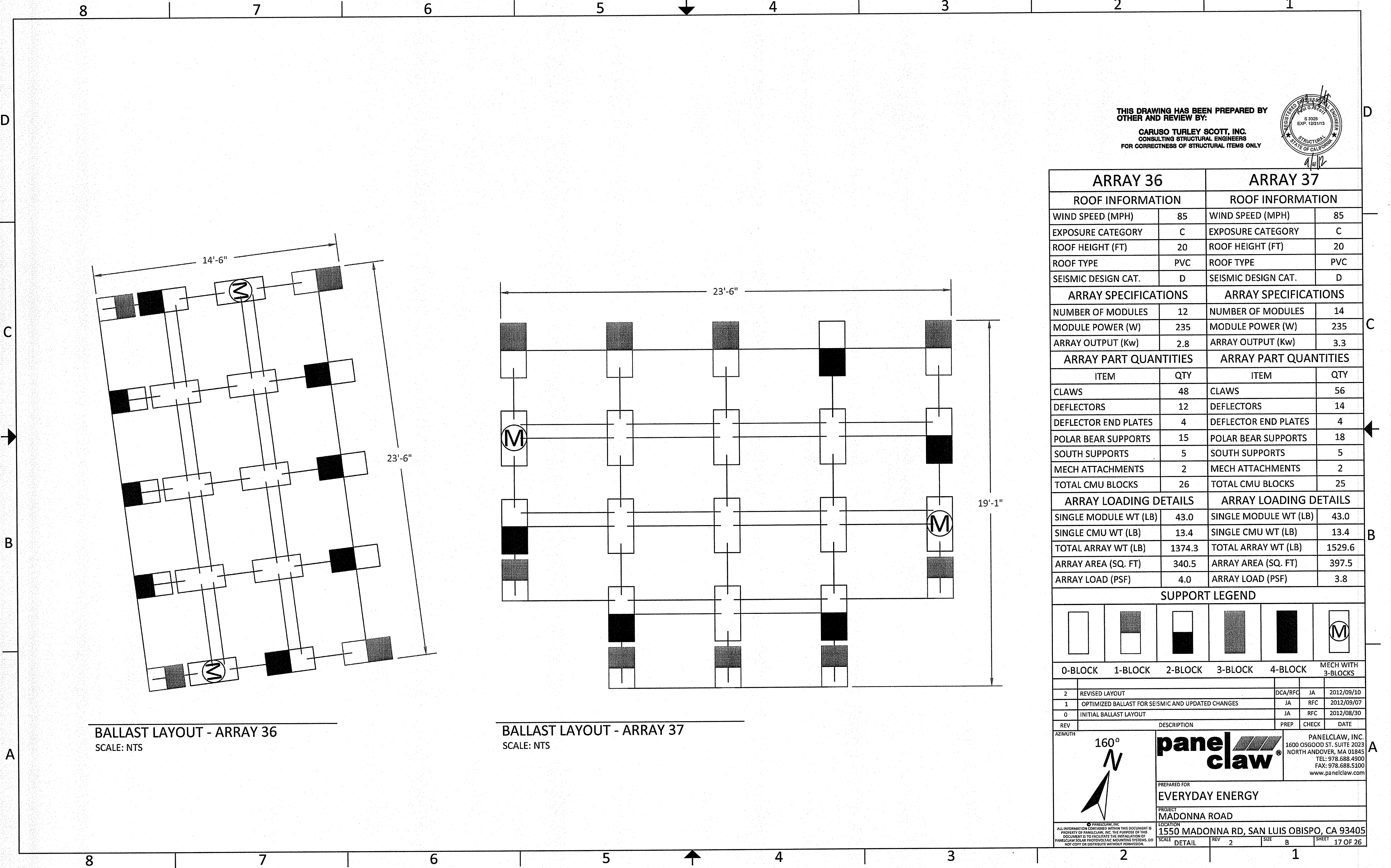
| ARRAY 32 | | ARRAY 35 | | | | |
|--|---|---|---|---|---|---|
| ROOF INFORMATION | | ROOF INFORMATION | | | | |
| WIND SPEED (MPH) | 85 | WIND SPEED (MPH) | 85 | | | |
| EXPOSURE CATEGORY | C | EXPOSURE CATEGORY | C | | | |
| ROOF HEIGHT (FT) | 20 | ROOF HEIGHT (FT) | 20 | | | |
| ROOF TYPE | PVC | ROOF TYPE | PVC | | | |
| SEISMIC DESIGN CAT. | D | SEISMIC DESIGN CAT. | D | | | |
| ARRAY SPECIFICATIONS | | ARRAY SPECIFICATIONS | | | | |
| NUMBER OF MODULES | 7 | NUMBER OF MODULES | 16 | | | |
| MODULE POWER (W) | 235 | MODULE POWER (W) | 235 | | | |
| ARRAY OUTPUT (Kw) | 1.6 | ARRAY OUTPUT (Kw) | 3.8 | | | |
| ARRAY PART QUANTITIES | | ARRAY PART QUANTITIES | | | | |
| ITEM | QTY | ITEM | QTY | | | |
| CLAWS | 28 | CLAWS | 64 | | | |
| DEFLECTORS | 7 | DEFLECTORS | 16 | | | |
| DEFLECTOR END PLATES | 3 | DEFLECTOR END PLATES | 4 | | | |
| POLAR BEAR SUPPORTS | 10 | POLAR BEAR SUPPORTS | 20 | | | |
| SOUTH SUPPORTS | 4 | SOUTH SUPPORTS | 5 | | | |
| MECH ATTACHMENTS | 2 | MECH ATTACHMENTS | 2 | | | |
| TOTAL CMU BLOCKS | 23 | TOTAL CMU BLOCKS | 30 | | | |
| ARRAY LOADING DETAILS | | ARRAY LOADING DETAILS | | | | |
| SINGLE MODULE WT (LB) | 43.0 | SINGLE MODULE WT (LB) | 43.0 | | | |
| SINGLE CMU WT (LB) | 13.4 | SINGLE CMU WT (LB) | 13.4 | | | |
| TOTAL ARRAY WT (LB) | 947.8 | TOTAL ARRAY WT (LB) | 1746.0 | | | |
| ARRAY AREA (SQ. FT) | 221.1 | ARRAY AREA (SQ. FT) | 448.4 | | | |
| ARRAY LOAD (PSF) | 4.3 | ARRAY LOAD (PSF) | 3.9 | | | |
| SUPPORT LEGEND | | | | | | |
|  |  |  |  |  |  | |
| 0-BLOCK | 1-BLOCK | 2-BLOCK | 3-BLOCK | 4-BLOCK | MECH WITH 3-BLOCKS | |
| 2 | REVISED LAYOUT | | | DCA/RFC | JA | 2012/09/10 |
| 1 | OPTIMIZED BALLAST FOR SEISMIC AND UPDATED CHANGES | | | JA | RFC | 2012/09/07 |
| 0 | INITIAL BALLAST LAYOUT | | | JA | RFC | 2012/08/30 |
| REV | DESCRIPTION | | | PREP | CHECK | DATE |
| AZIMUTH | |  | |  | | <p>PANELCLAW, INC. 1600 OSGOOD ST. SUITE 2023 NORTH ANDOVER, MA 01845 TEL: 978.688.4900 FAX: 978.688.5100 www.panelclaw.com</p> |
| | | PREPARED FOR | | EVERYDAY ENERGY | | |
| | | PROJECT | | MADONNA ROAD | | |
| | | LOCATION | | 1550 MADONNA RD, SAN LUIS OBISPO, CA 93405 | | |
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| | | SIZE | | B | SHEET | 16 OF 26 |

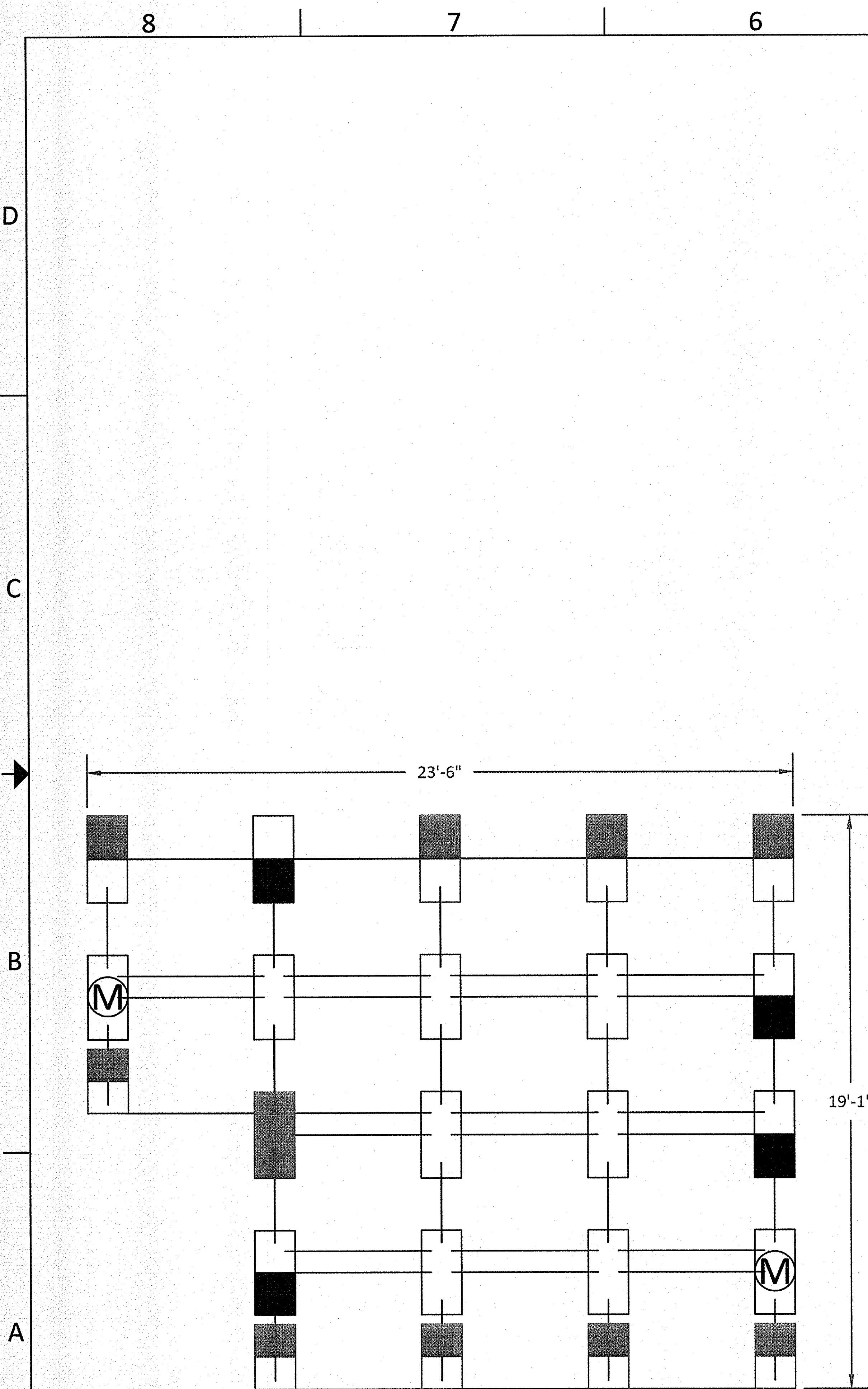


BALLAST LAYOUT - ARRAY 32
SCALE: NTS

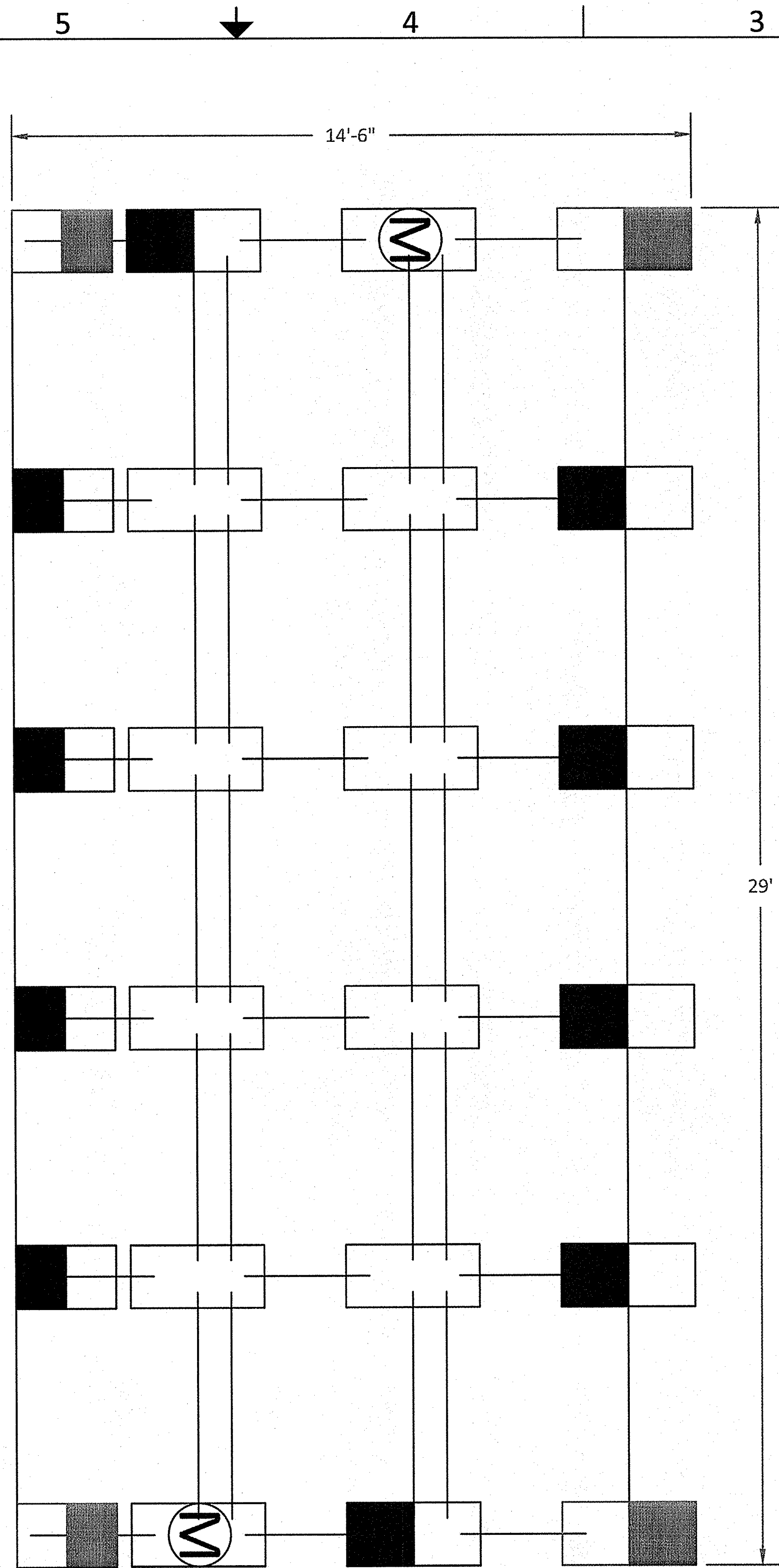


BALLAST LAYOUT - ARRAY 35
SCALE: NTS





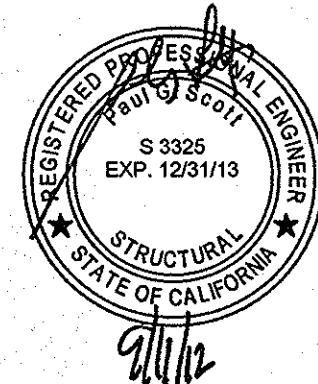
BALLAST LAYOUT - ARRAY 38
SCALE: NTS











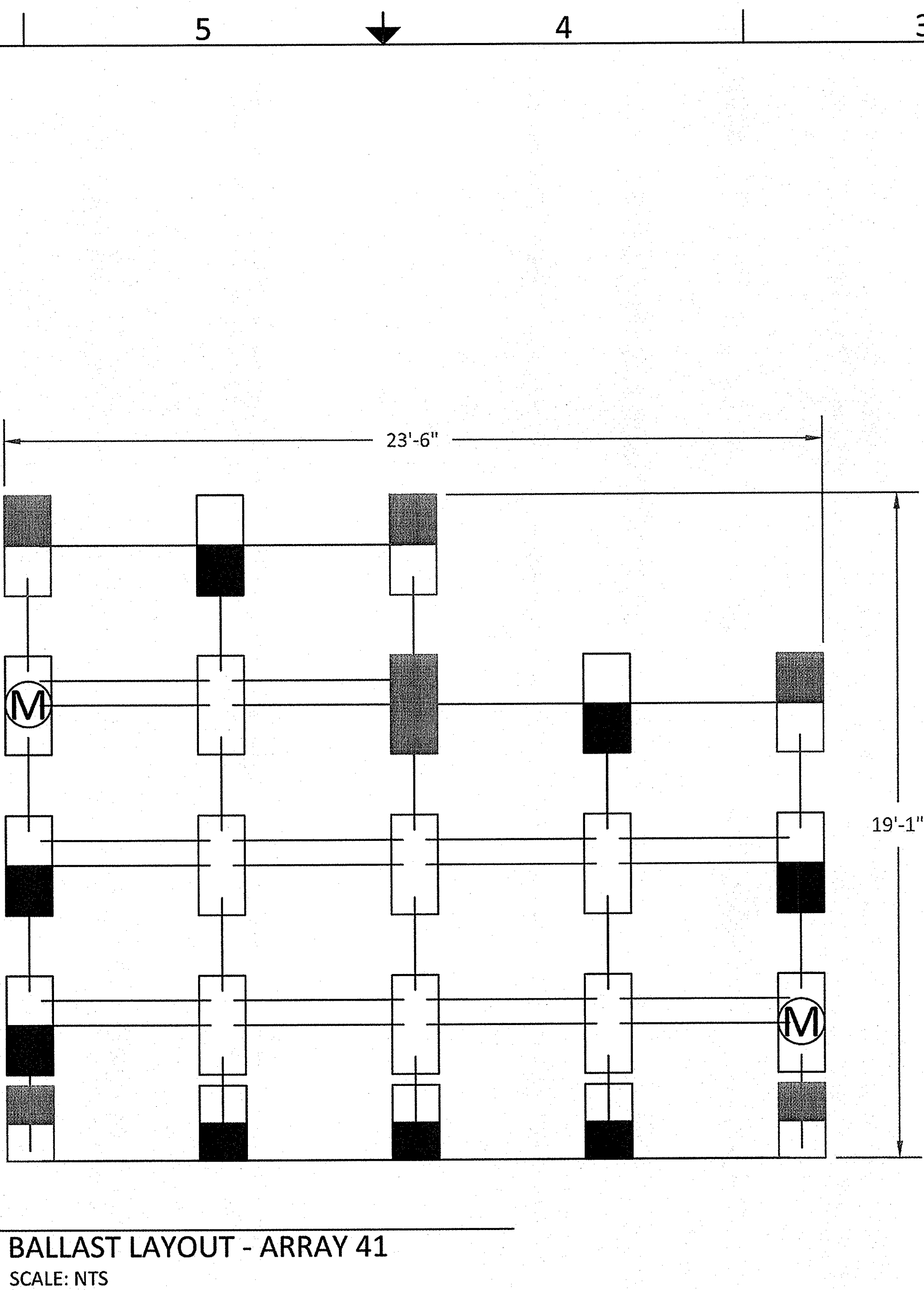
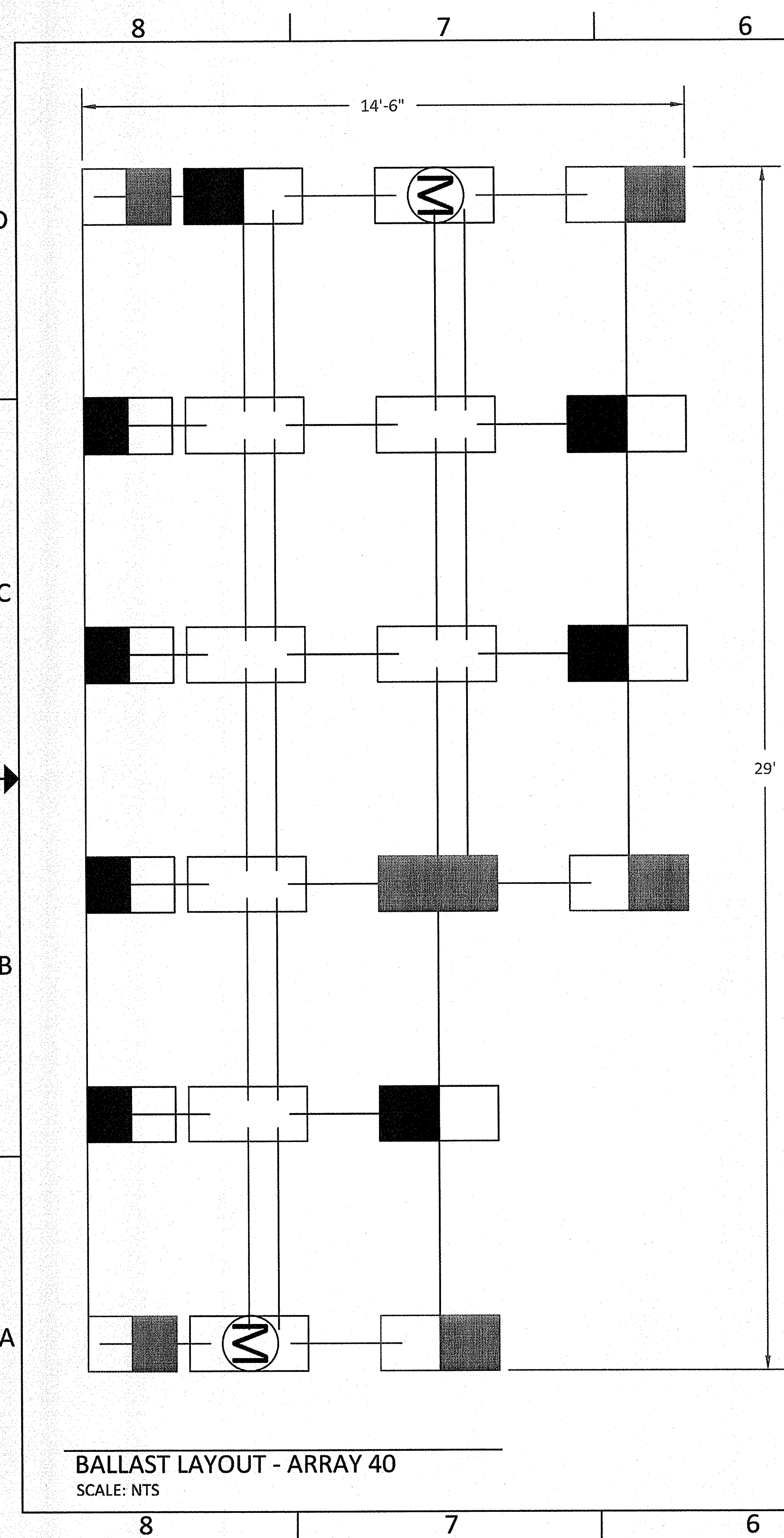
BALLAST LAYOUT - ARRAY 39
SCALE: NTS

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FOR CORRECTNESS OF STRUCTURAL ITEMS ONLY



| ARRAY 38 | | ARRAY 39 | | | |
|---|---|---|---|---|---|
| ROOF INFORMATION | | ROOF INFORMATION | | | |
| WIND SPEED (MPH) | 85 | WIND SPEED (MPH) | 85 | | |
| EXPOSURE CATEGORY | C | EXPOSURE CATEGORY | C | | |
| ROOF HEIGHT (FT) | 20 | ROOF HEIGHT (FT) | 20 | | |
| ROOF TYPE | PVC | ROOF TYPE | PVC | | |
| SEISMIC DESIGN CAT. | D | SEISMIC DESIGN CAT. | D | | |
| ARRAY SPECIFICATIONS | | ARRAY SPECIFICATIONS | | | |
| NUMBER OF MODULES | 14 | NUMBER OF MODULES | 15 | | |
| MODULE POWER (W) | 235 | MODULE POWER (W) | 235 | | |
| ARRAY OUTPUT (Kw) | 3.3 | ARRAY OUTPUT (Kw) | 3.5 | | |
| ARRAY PART QUANTITIES | | ARRAY PART QUANTITIES | | | |
| ITEM | QTY | ITEM | QTY | | |
| CLAWS | 56 | CLAWS | 60 | | |
| DEFLECTORS | 14 | DEFLECTORS | 15 | | |
| DEFLECTOR END PLATES | 4 | DEFLECTOR END PLATES | 5 | | |
| POLAR BEAR SUPPORTS | 18 | POLAR BEAR SUPPORTS | 18 | | |
| SOUTH SUPPORTS | 5 | SOUTH SUPPORTS | 6 | | |
| MECH ATTACHMENTS | 2 | MECH ATTACHMENTS | 2 | | |
| TOTAL CMU BLOCKS | 26 | TOTAL CMU BLOCKS | 30 | | |
| ARRAY LOADING DETAILS | | ARRAY LOADING DETAILS | | | |
| SINGLE MODULE WT (LB) | 43.0 | SINGLE MODULE WT (LB) | 43.0 | | |
| SINGLE CMU WT (LB) | 13.4 | SINGLE CMU WT (LB) | 13.4 | | |
| TOTAL ARRAY WT (LB) | 1543.0 | TOTAL ARRAY WT (LB) | 1664.8 | | |
| ARRAY AREA (SQ. FT) | 397.6 | ARRAY AREA (SQ. FT) | 420.6 | | |
| ARRAY LOAD (PSF) | 3.9 | ARRAY LOAD (PSF) | 4.0 | | |
| SUPPORT LEGEND | | | | | |
|  |  |  |  |  |  |
| 0-BLOCK | 1-BLOCK | 2-BLOCK | 3-BLOCK | 4-BLOCK | MECH WITH 3-BLOCKS |
| 2 | REVISED LAYOUT | | | DCA/RFC | JA 2012/09/10 |
| 1 | OPTIMIZED BALLAST FOR SEISMIC AND UPDATED CHANGES | | | JA | RFC 2012/09/07 |
| 0 | INITIAL BALLAST LAYOUT | | | JA | RFC 2012/08/30 |
| REV | DESCRIPTION | | | PREP | CHECK DATE |
| AZIMUTH | |  | |  | |
| <p>ALL INFORMATION CONTAINED WITHIN THIS DOCUMENT IS PROPERTY OF PANELCLAW, INC. THE PURPOSE OF THIS DOCUMENT IS TO FACILITATE THE INSTALLATION OF PANELCLAW SOLAR PHOTOVOLTAIC MOUNTING SYSTEMS. DO NOT COPY OR DISTRIBUTE WITHOUT PERMISSION.</p> | | PREPARED FOR | | PANELCLAW, INC. 1600 OSGOOD ST. SUITE 2023 NORTH ANDOVER, MA 01845 TEL: 978.688.4900 FAX: 978.688.5100 www.panelclaw.com | |
| | | EVERYDAY ENERGY | | | |
| | | PROJECT | | MADONNA ROAD | |
| | | LOCATION | | 1550 MADONNA RD, SAN LUIS OBISPO, CA 93405 | |
| SCALE | DETAIL | REV | 2 | SIZE | B |
| | | | | SHEET | 18 OF 26 |



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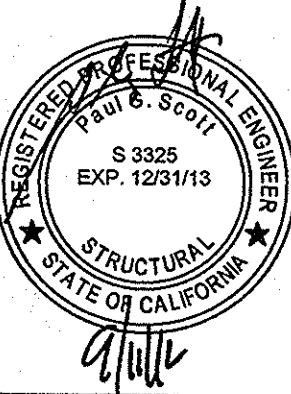
REGISTERED PROFESSIONAL ENGINEER
PAUL D. SCOTT
S 3325
EXP. 12/31/13
STRUCTURAL
STATE OF CALIFORNIA

| ARRAY 40 | | ARRAY 41 | | | | | | | |
|-----------------------|---|--|---------|---|--------------------|------------|---|-------|----------|
| ROOF INFORMATION | | ROOF INFORMATION | | | | | | | |
| WIND SPEED (MPH) | 85 | WIND SPEED (MPH) | 85 | | | | | | |
| EXPOSURE CATEGORY | C | EXPOSURE CATEGORY | C | | | | | | |
| ROOF HEIGHT (FT) | 20 | ROOF HEIGHT (FT) | 20 | | | | | | |
| ROOF TYPE | PVC | ROOF TYPE | PVC | | | | | | |
| SEISMIC DESIGN CAT. | D | SEISMIC DESIGN CAT. | D | | | | | | |
| ARRAY SPECIFICATIONS | | ARRAY SPECIFICATIONS | | | | | | | |
| NUMBER OF MODULES | 13 | NUMBER OF MODULES | 13 | | | | | | |
| MODULE POWER (W) | 235 | MODULE POWER (W) | 235 | | | | | | |
| ARRAY OUTPUT (Kw) | 3.1 | ARRAY OUTPUT (Kw) | 3.1 | | | | | | |
| ARRAY PART QUANTITIES | | ARRAY PART QUANTITIES | | | | | | | |
| ITEM | QTY | ITEM | QTY | | | | | | |
| CLAWS | 52 | CLAWS | 52 | | | | | | |
| DEFLECTORS | 13 | DEFLECTORS | 13 | | | | | | |
| DEFLECTOR END PLATES | 5 | DEFLECTOR END PLATES | 5 | | | | | | |
| POLAR BEAR SUPPORTS | 16 | POLAR BEAR SUPPORTS | 16 | | | | | | |
| SOUTH SUPPORTS | 6 | SOUTH SUPPORTS | 6 | | | | | | |
| MECH ATTACHMENTS | 2 | MECH ATTACHMENTS | 2 | | | | | | |
| TOTAL CMU BLOCKS | 30 | TOTAL CMU BLOCKS | 30 | | | | | | |
| ARRAY LOADING DETAILS | | ARRAY LOADING DETAILS | | | | | | | |
| SINGLE MODULE WT (LB) | 43.0 | SINGLE MODULE WT (LB) | 43.0 | | | | | | |
| SINGLE CMU WT (LB) | 13.4 | SINGLE CMU WT (LB) | 13.4 | | | | | | |
| TOTAL ARRAY WT (LB) | 1515.5 | TOTAL ARRAY WT (LB) | 1515.5 | | | | | | |
| ARRAY AREA (SQ. FT) | 369.7 | ARRAY AREA (SQ. FT) | 369.7 | | | | | | |
| ARRAY LOAD (PSF) | 4.1 | ARRAY LOAD (PSF) | 4.1 | | | | | | |
| SUPPORT LEGEND | | | | | | | | | |
| | | | | | | | | | |
| 0-BLOCK | 1-BLOCK | 2-BLOCK | 3-BLOCK | 4-BLOCK | MECH WITH 3-BLOCKS | | | | |
| 2 | REVISED LAYOUT | | | DCA/RFC | JA | 2012/09/10 | | | |
| 1 | OPTIMIZED BALLAST FOR SEISMIC AND UPDATED CHANGES | | | JA | RFC | 2012/09/07 | | | |
| 0 | INITIAL BALLAST LAYOUT | | | JA | RFC | 2012/08/30 | | | |
| REV | DESCRIPTION | | | PREP | CHECK | DATE | | | |
| AZIMUTH | | | | PANELCLAW, INC. 1600 OSGOOD ST. SUITE 2023 NORTH ANDOVER, MA 01845 TEL: 978.688.4900 FAX: 978.688.5100 www.panelclaw.com | | | | | |
| PREPARED FOR | | EVERYDAY ENERGY | | | | | | | |
| PROJECT | | MADONNA ROAD | | | | | | | |
| LOCATION | | 1550 MADONNA RD, SAN LUIS OBISPO, CA 93405 | | | | | | | |
| SCALE | | DETAIL | | REV | 2 | SIZE | B | SHEET | 19 OF 26 |

8 7 6 5 4 3 2 1

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| ARRAY 44 | | ARRAY 45 | |
|-----------------------|--------|-----------------------|--------|
| ROOF INFORMATION | | ROOF INFORMATION | |
| WIND SPEED (MPH) | 85 | WIND SPEED (MPH) | 85 |
| EXPOSURE CATEGORY | C | EXPOSURE CATEGORY | C |
| ROOF HEIGHT (FT) | 20 | ROOF HEIGHT (FT) | 20 |
| ROOF TYPE | PVC | ROOF TYPE | PVC |
| SEISMIC DESIGN CAT. | D | SEISMIC DESIGN CAT. | D |
| ARRAY SPECIFICATIONS | | ARRAY SPECIFICATIONS | |
| NUMBER OF MODULES | 13 | NUMBER OF MODULES | 13 |
| MODULE POWER (W) | 235 | MODULE POWER (W) | 235 |
| ARRAY OUTPUT (Kw) | 3.1 | ARRAY OUTPUT (Kw) | 3.1 |
| ARRAY PART QUANTITIES | | ARRAY PART QUANTITIES | |
| ITEM | QTY | ITEM | QTY |
| CLAWS | 52 | CLAWS | 52 |
| DEFLECTORS | 13 | DEFLECTORS | 13 |
| DEFLECTOR END PLATES | 5 | DEFLECTOR END PLATES | 5 |
| POLAR BEAR SUPPORTS | 16 | POLAR BEAR SUPPORTS | 16 |
| SOUTH SUPPORTS | 6 | SOUTH SUPPORTS | 6 |
| MECH ATTACHMENTS | 2 | MECH ATTACHMENTS | 2 |
| TOTAL CMU BLOCKS | 30 | TOTAL CMU BLOCKS | 30 |
| ARRAY LOADING DETAILS | | ARRAY LOADING DETAILS | |
| SINGLE MODULE WT (LB) | 43.0 | SINGLE MODULE WT (LB) | 43.0 |
| SINGLE CMU WT (LB) | 13.4 | SINGLE CMU WT (LB) | 13.4 |
| TOTAL ARRAY WT (LB) | 1515.5 | TOTAL ARRAY WT (LB) | 1515.5 |
| ARRAY AREA (SQ. FT) | 369.7 | ARRAY AREA (SQ. FT) | 369.7 |
| ARRAY LOAD (PSF) | 4.1 | ARRAY LOAD (PSF) | 4.1 |

| SUPPORT LEGEND | | | | | |
|----------------|---------|---------|---------|---------|--------------------|
| | | | | | |
| 0-BLOCK | 1-BLOCK | 2-BLOCK | 3-BLOCK | 4-BLOCK | MECH WITH 3-BLOCKS |

| REV | DESCRIPTION | PREP | CHECK | DATE |
|-----|---|---------|-------|------------|
| 2 | REVISED LAYOUT | DCA/RFC | JA | 2012/09/10 |
| 1 | OPTIMIZED BALLAST FOR SEISMIC AND UPDATED CHANGES | JA | RFC | 2012/09/07 |
| 0 | INITIAL BALLAST LAYOUT | JA | RFC | 2012/08/30 |

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1600 OSGOOD ST. SUITE 2023
NORTH ANDOVER, MA 01845
TEL: 978.688.4900
FAX: 978.688.5100
www.panelclaw.com

PREPARED FOR
EVERYDAY ENERGY

PROJECT
MADONNA ROAD

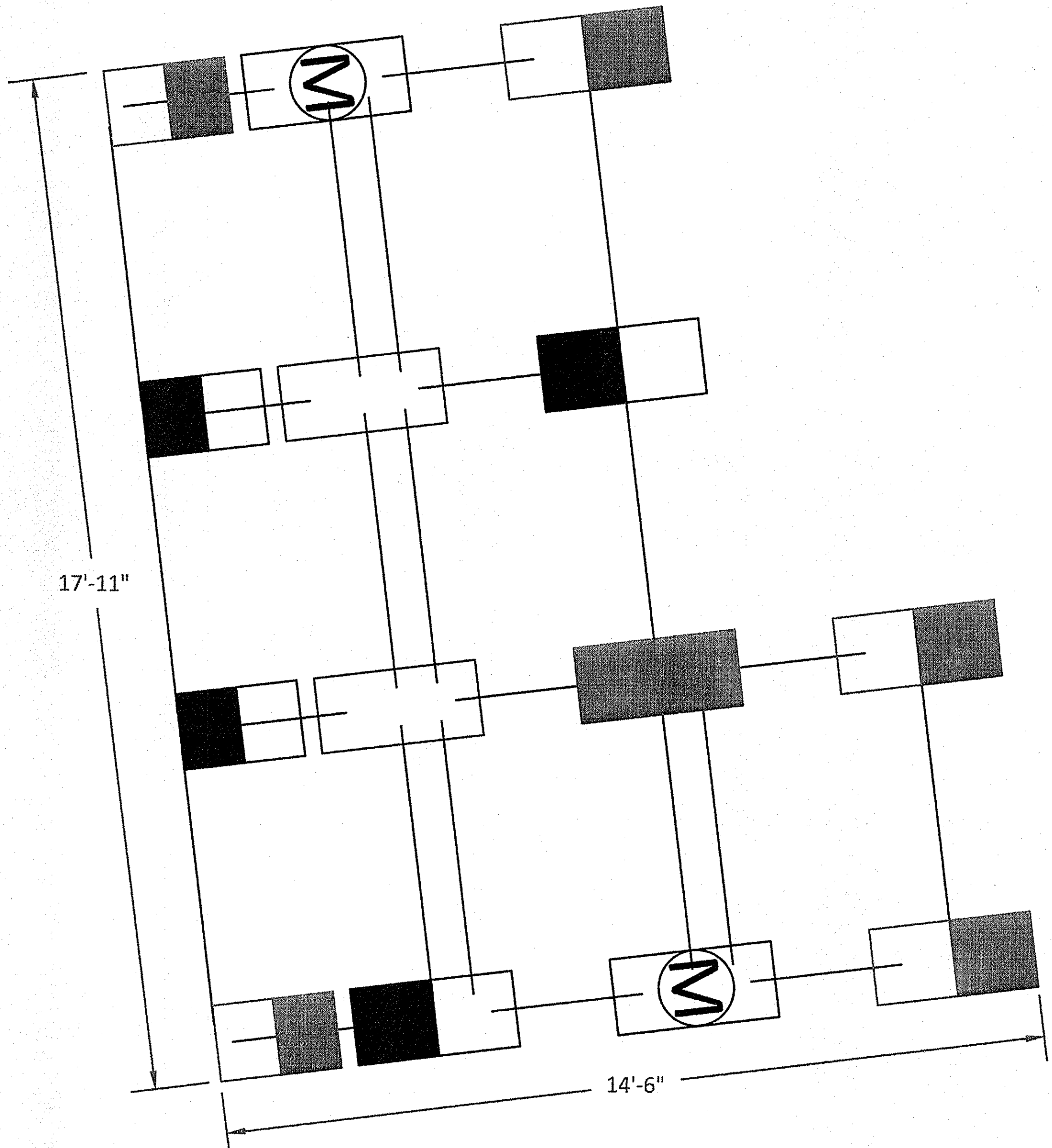
LOCATION
1550 MADONNA RD, SAN LUIS OBISPO, CA 93405

SCALE
DETAIL

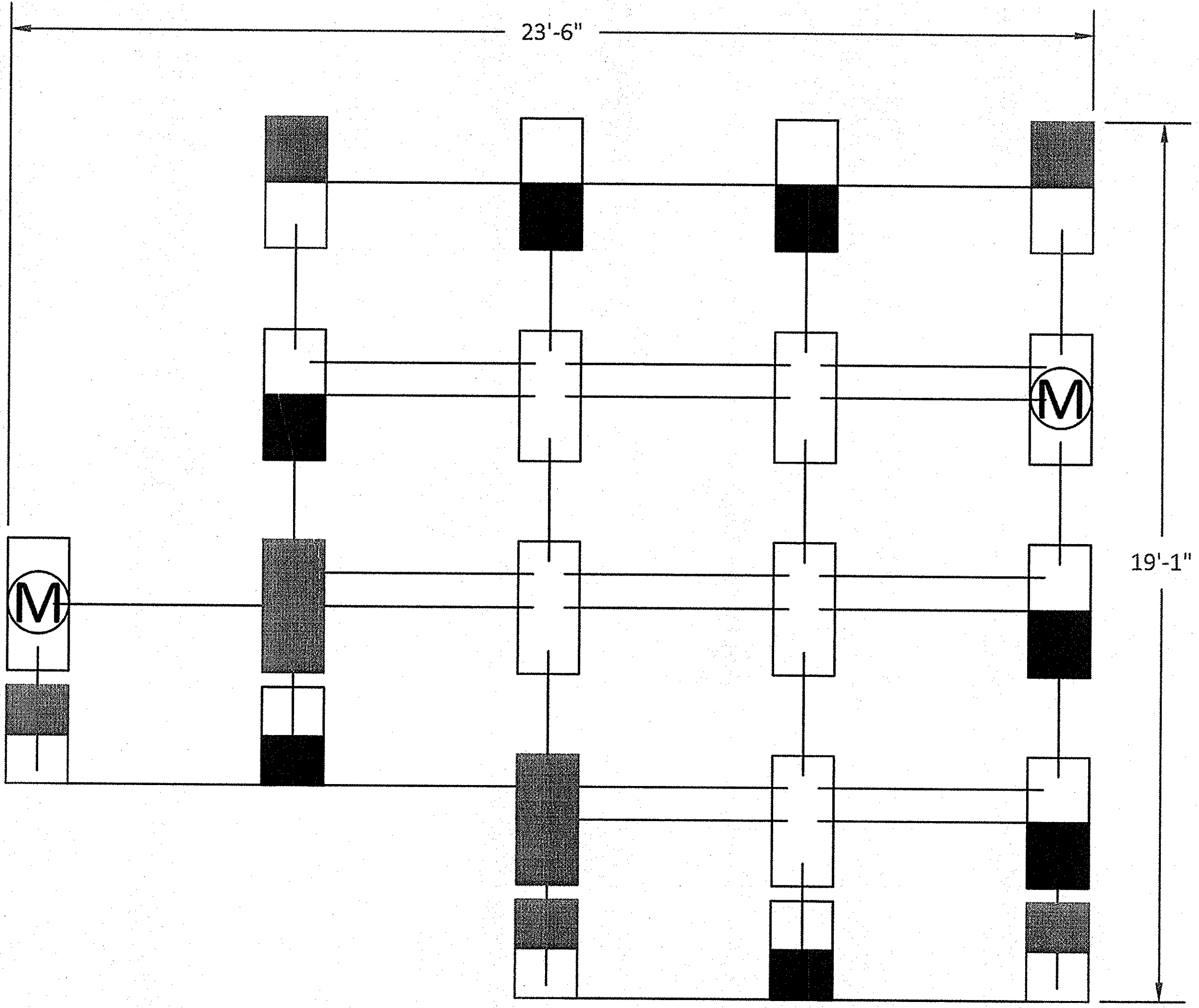
REV
2

SIZE
B

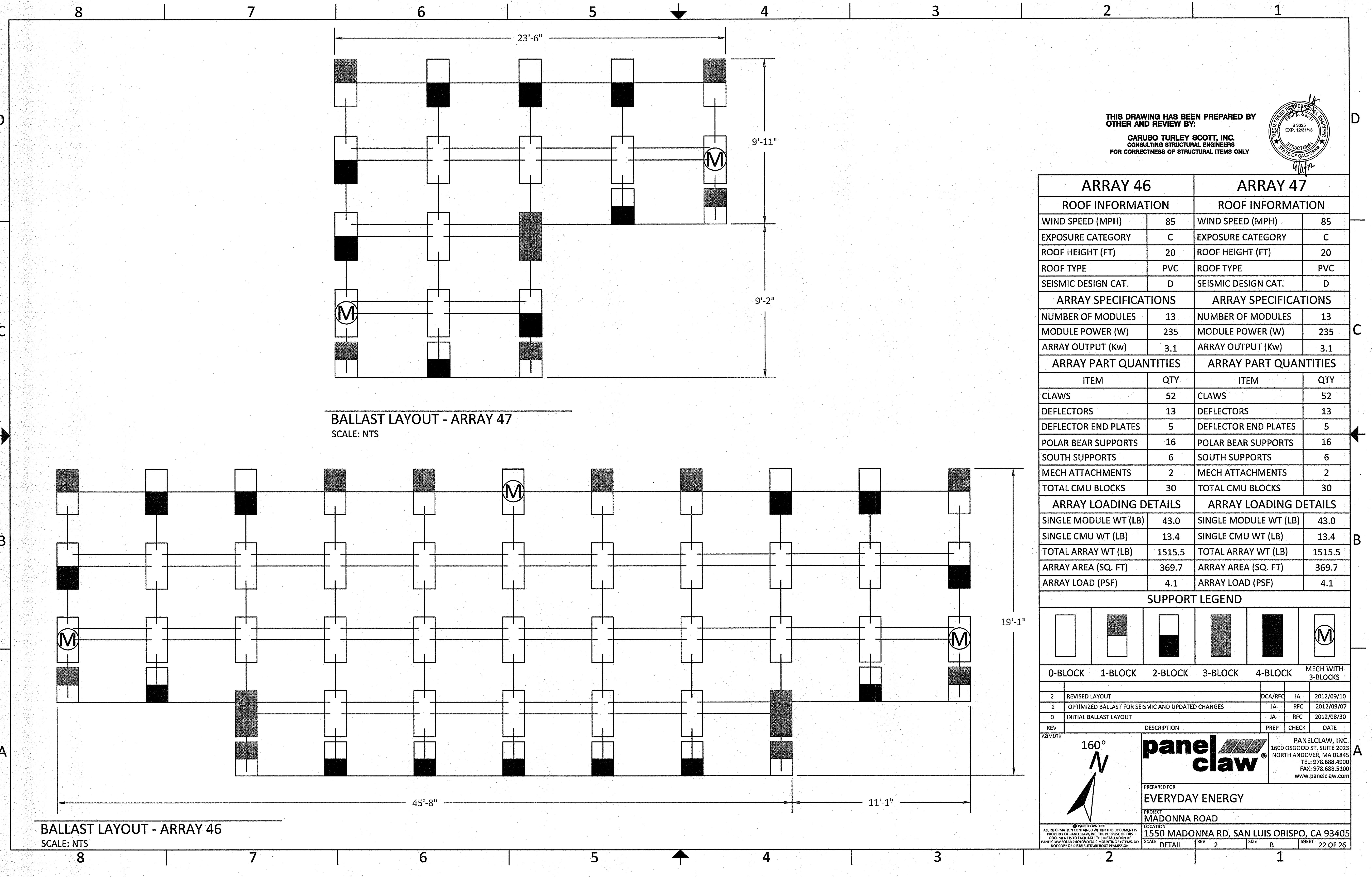
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21 OF 26



BALLAST LAYOUT - ARRAY 44
SCALE: NTS











BALLAST LAYOUT - ARRAY 45
SCALE: NTS

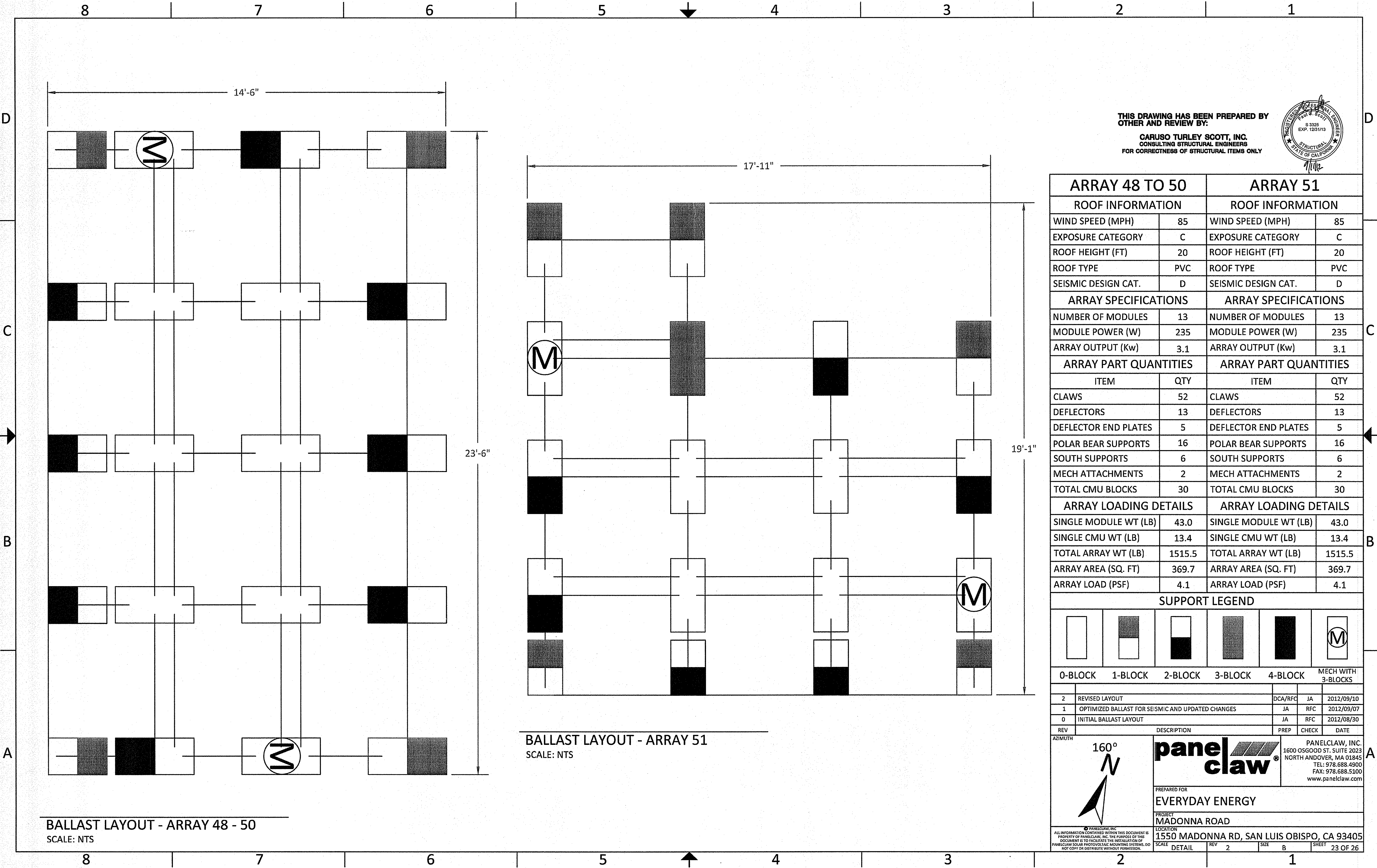


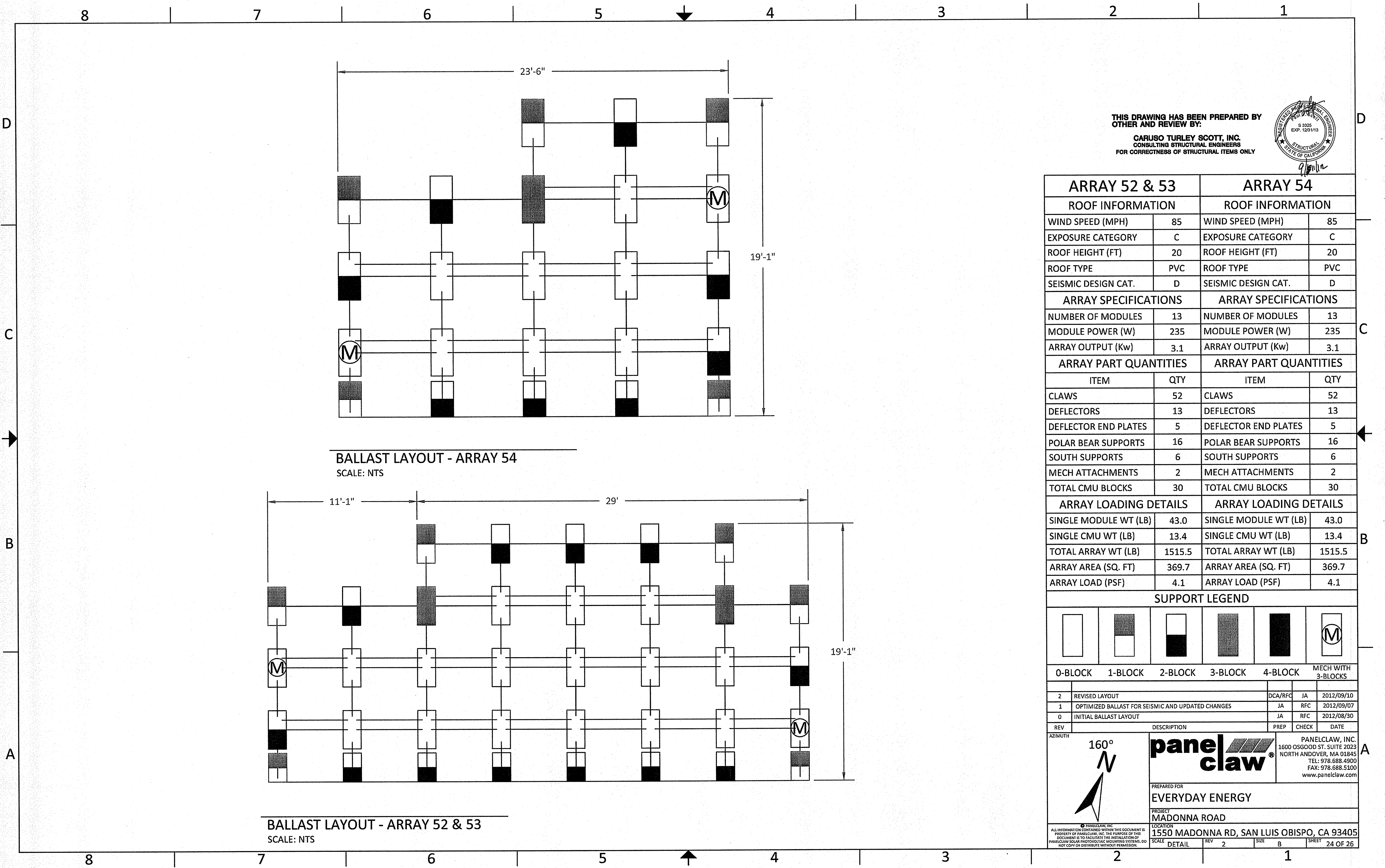
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[Professional Engineer Seal: Caruso Turley Scott, Inc., S 3325, Exp. 12/31/13, State of California]

| ARRAY 46 | | ARRAY 47 | | | | | | |
|--|---|--|---|--|---|---|------|---|
| ROOF INFORMATION | | ROOF INFORMATION | | | | | | |
| WIND SPEED (MPH) | 85 | WIND SPEED (MPH) | 85 | | | | | |
| EXPOSURE CATEGORY | C | EXPOSURE CATEGORY | C | | | | | |
| ROOF HEIGHT (FT) | 20 | ROOF HEIGHT (FT) | 20 | | | | | |
| ROOF TYPE | PVC | ROOF TYPE | PVC | | | | | |
| SEISMIC DESIGN CAT. | D | SEISMIC DESIGN CAT. | D | | | | | |
| ARRAY SPECIFICATIONS | | ARRAY SPECIFICATIONS | | | | | | |
| NUMBER OF MODULES | 13 | NUMBER OF MODULES | 13 | | | | | |
| MODULE POWER (W) | 235 | MODULE POWER (W) | 235 | | | | | |
| ARRAY OUTPUT (Kw) | 3.1 | ARRAY OUTPUT (Kw) | 3.1 | | | | | |
| ARRAY PART QUANTITIES | | ARRAY PART QUANTITIES | | | | | | |
| ITEM | QTY | ITEM | QTY | | | | | |
| CLAWS | 52 | CLAWS | 52 | | | | | |
| DEFLECTORS | 13 | DEFLECTORS | 13 | | | | | |
| DEFLECTOR END PLATES | 5 | DEFLECTOR END PLATES | 5 | | | | | |
| POLAR BEAR SUPPORTS | 16 | POLAR BEAR SUPPORTS | 16 | | | | | |
| SOUTH SUPPORTS | 6 | SOUTH SUPPORTS | 6 | | | | | |
| MECH ATTACHMENTS | 2 | MECH ATTACHMENTS | 2 | | | | | |
| TOTAL CMU BLOCKS | 30 | TOTAL CMU BLOCKS | 30 | | | | | |
| ARRAY LOADING DETAILS | | ARRAY LOADING DETAILS | | | | | | |
| SINGLE MODULE WT (LB) | 43.0 | SINGLE MODULE WT (LB) | 43.0 | | | | | |
| SINGLE CMU WT (LB) | 13.4 | SINGLE CMU WT (LB) | 13.4 | | | | | |
| TOTAL ARRAY WT (LB) | 1515.5 | TOTAL ARRAY WT (LB) | 1515.5 | | | | | |
| ARRAY AREA (SQ. FT) | 369.7 | ARRAY AREA (SQ. FT) | 369.7 | | | | | |
| ARRAY LOAD (PSF) | 4.1 | ARRAY LOAD (PSF) | 4.1 | | | | | |
| SUPPORT LEGEND | | | | | | | | |
|  |  |  |  |  |  | | | |
| 0-BLOCK | 1-BLOCK | 2-BLOCK | 3-BLOCK | 4-BLOCK | MECH WITH 3-BLOCKS | | | |
| 2 | REVISED LAYOUT | | | DCA/RFC | JA 2012/09/10 | | | |
| 1 | OPTIMIZED BALLAST FOR SEISMIC AND UPDATED CHANGES | | | JA | RFC 2012/09/07 | | | |
| 0 | INITIAL BALLAST LAYOUT | | | JA | RFC 2012/08/30 | | | |
| REV | DESCRIPTION | | | PREP | CHECK DATE | | | |
| <div><div>160°</div><div></div></div> | | <div><div></div><div>PREPARED FOR</div><div>EVERYDAY ENERGY</div></div> | | PANELCLAW, INC. | | | | |
| | | | | 1600 OSGOOD ST. SUITE 2023 NORTH ANDOVER, MA 01845 TEL: 978.688.4900 FAX: 978.688.5100 www.panelclaw.com | | | | |
| | | PROJECT | | LOCATION | | | | |
| | | MADONNA ROAD | | 1550 MADONNA RD, SAN LUIS OBISPO, CA 93405 | | | | |
| | | SCALE | | DETAIL | REV | 2 | SIZE | B |







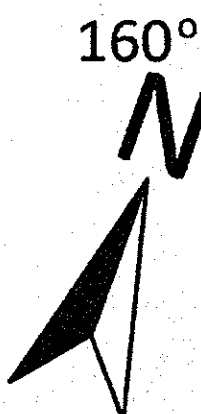



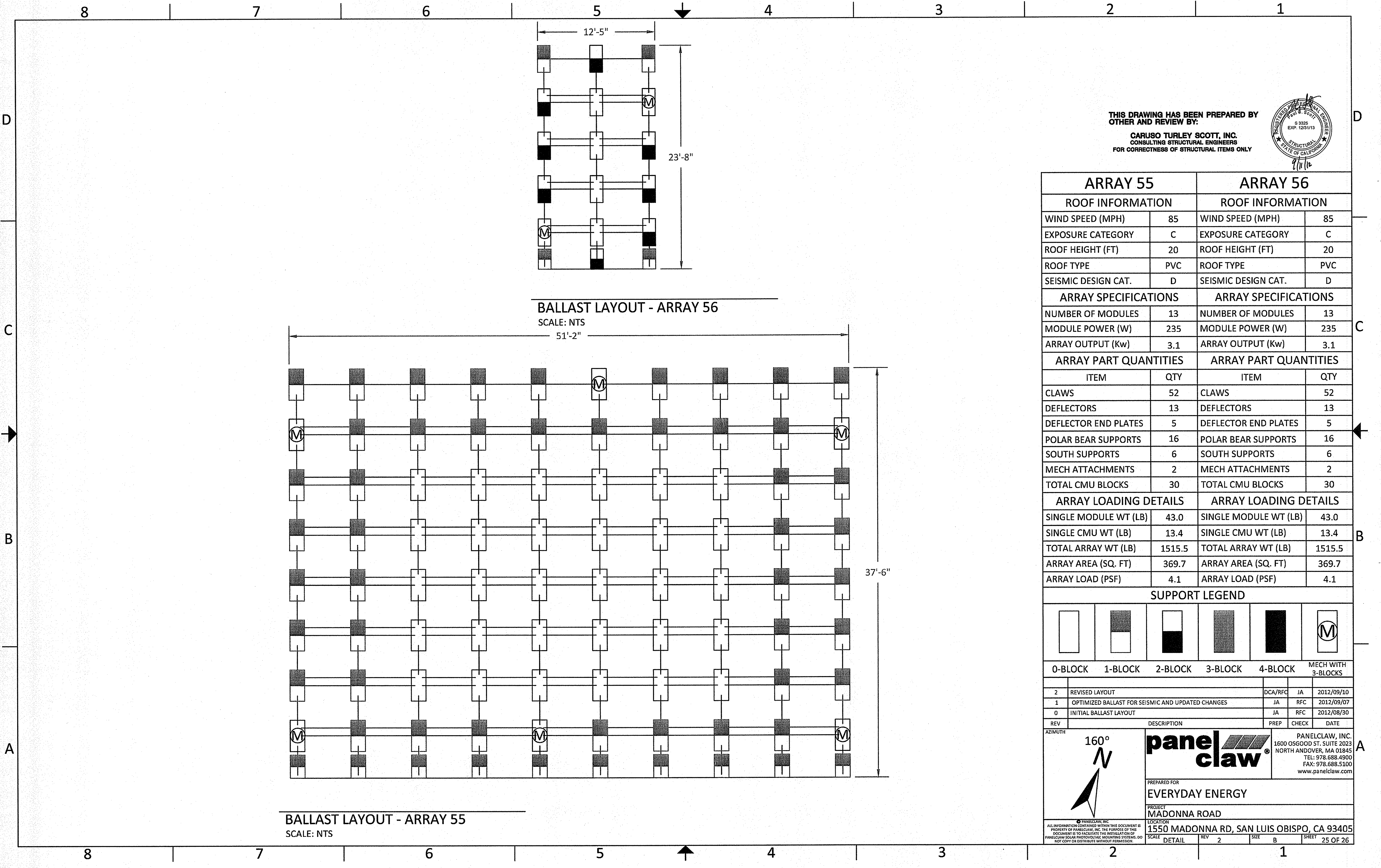


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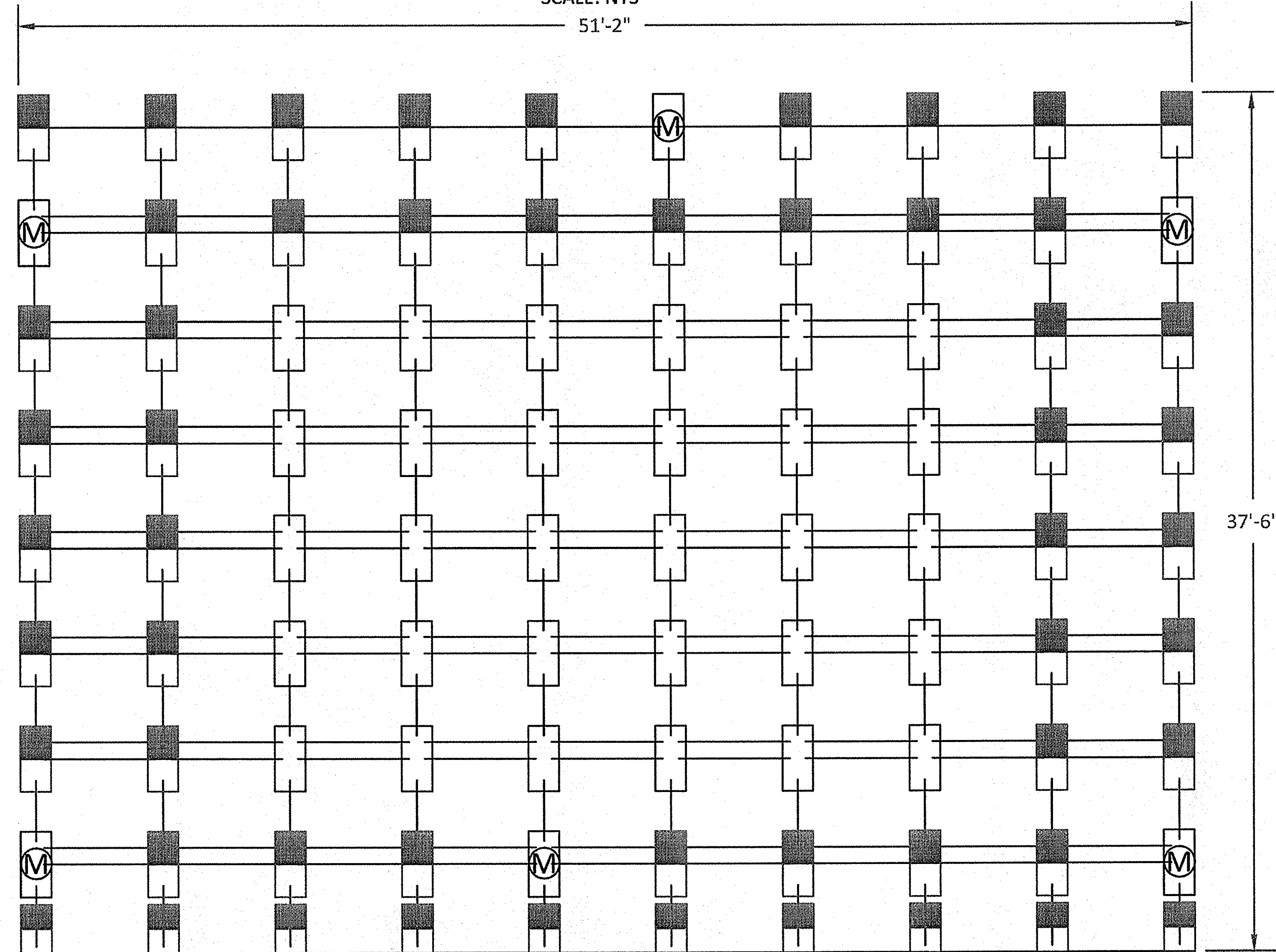
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EXP. 12/31/13
REGISTERED PROFESSIONAL ENGINEER
STRUCTURAL
STATE OF CALIFORNIA

| ARRAY 52 & 53 | | ARRAY 54 | | | |
|---|---|---|---|---|---|
| ROOF INFORMATION | | ROOF INFORMATION | | | |
| WIND SPEED (MPH) | 85 | WIND SPEED (MPH) | 85 | | |
| EXPOSURE CATEGORY | C | EXPOSURE CATEGORY | C | | |
| ROOF HEIGHT (FT) | 20 | ROOF HEIGHT (FT) | 20 | | |
| ROOF TYPE | PVC | ROOF TYPE | PVC | | |
| SEISMIC DESIGN CAT. | D | SEISMIC DESIGN CAT. | D | | |
| ARRAY SPECIFICATIONS | | ARRAY SPECIFICATIONS | | | |
| NUMBER OF MODULES | 13 | NUMBER OF MODULES | 13 | | |
| MODULE POWER (W) | 235 | MODULE POWER (W) | 235 | | |
| ARRAY OUTPUT (Kw) | 3.1 | ARRAY OUTPUT (Kw) | 3.1 | | |
| ARRAY PART QUANTITIES | | ARRAY PART QUANTITIES | | | |
| ITEM | QTY | ITEM | QTY | | |
| CLAWS | 52 | CLAWS | 52 | | |
| DEFLECTORS | 13 | DEFLECTORS | 13 | | |
| DEFLECTOR END PLATES | 5 | DEFLECTOR END PLATES | 5 | | |
| POLAR BEAR SUPPORTS | 16 | POLAR BEAR SUPPORTS | 16 | | |
| SOUTH SUPPORTS | 6 | SOUTH SUPPORTS | 6 | | |
| MECH ATTACHMENTS | 2 | MECH ATTACHMENTS | 2 | | |
| TOTAL CMU BLOCKS | 30 | TOTAL CMU BLOCKS | 30 | | |
| ARRAY LOADING DETAILS | | ARRAY LOADING DETAILS | | | |
| SINGLE MODULE WT (LB) | 43.0 | SINGLE MODULE WT (LB) | 43.0 | | |
| SINGLE CMU WT (LB) | 13.4 | SINGLE CMU WT (LB) | 13.4 | | |
| TOTAL ARRAY WT (LB) | 1515.5 | TOTAL ARRAY WT (LB) | 1515.5 | | |
| ARRAY AREA (SQ. FT) | 369.7 | ARRAY AREA (SQ. FT) | 369.7 | | |
| ARRAY LOAD (PSF) | 4.1 | ARRAY LOAD (PSF) | 4.1 | | |
| SUPPORT LEGEND | | | | | |
|  |  |  |  |  |  |
| 0-BLOCK | 1-BLOCK | 2-BLOCK | 3-BLOCK | 4-BLOCK | MECH WITH 3-BLOCKS |
| 2 | REVISED LAYOUT | | | DCA/RFC | JA 2012/09/10 |
| 1 | OPTIMIZED BALLAST FOR SEISMIC AND UPDATED CHANGES | | | JA | RFC 2012/09/07 |
| 0 | INITIAL BALLAST LAYOUT | | | JA | RFC 2012/08/30 |
| REV | DESCRIPTION | | | PREP | CHECK DATE |
| AZIMUTH | |  | |  | |
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| | | EVERYDAY ENERGY | | | |
| | | PROJECT | | MADONNA ROAD | |
| | | LOCATION | | 1550 MADONNA RD, SAN LUIS OBISPO, CA 93405 | |
| SCALE | DETAIL | REV | 2 | SIZE | B |
| SHEET | | | 24 OF 26 | | |

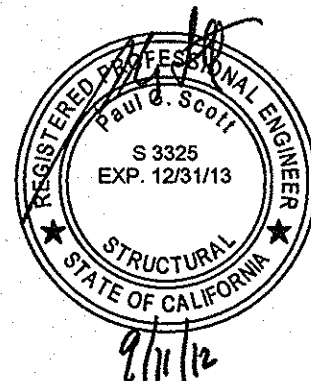










BALLAST LAYOUT - ARRAY 56
SCALE: NTS

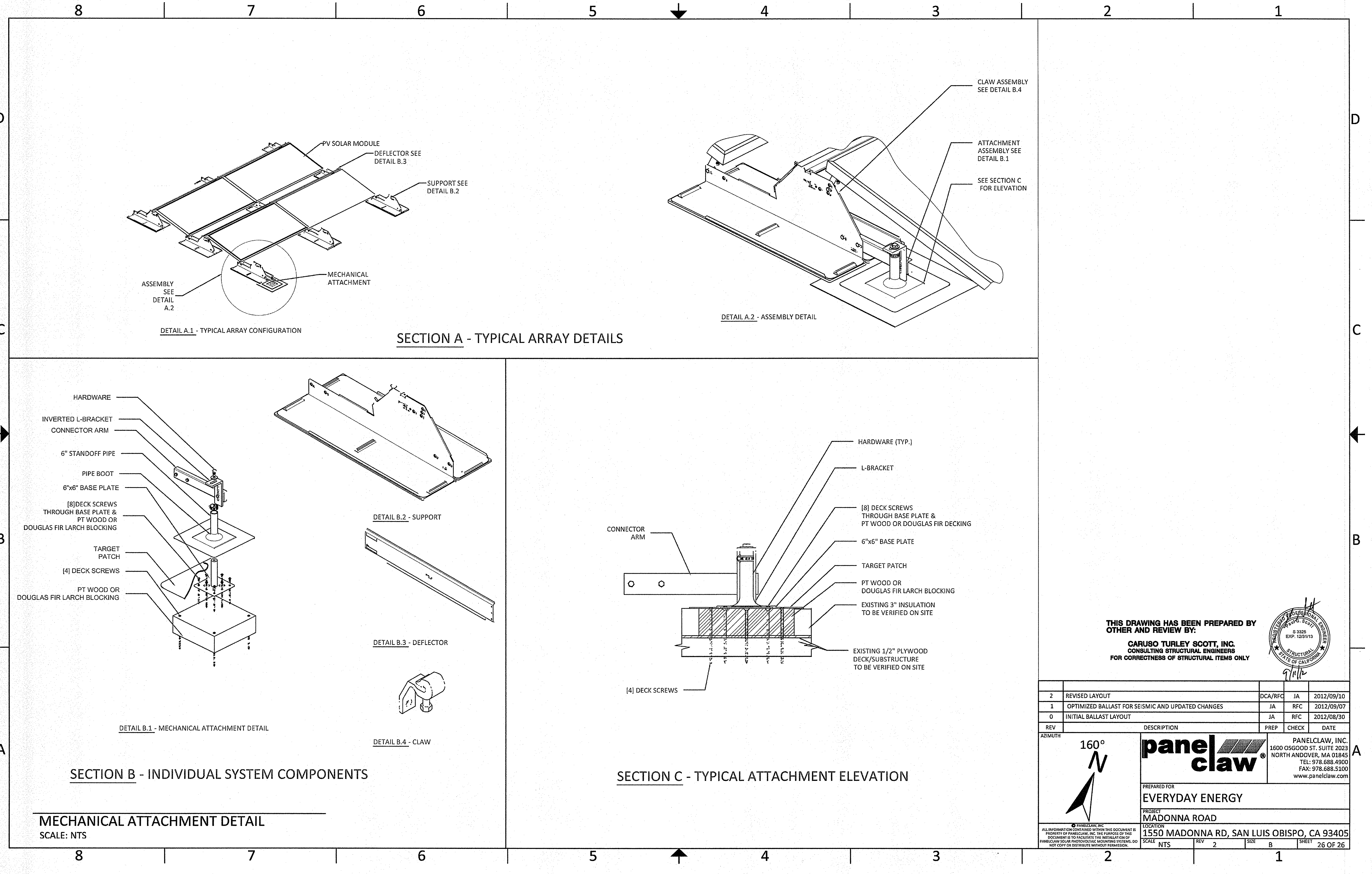


BALLAST LAYOUT - ARRAY 55
SCALE: NTS

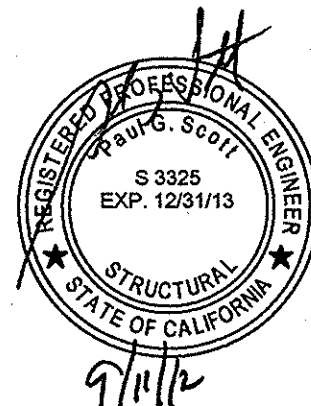
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| ARRAY 55 | | ARRAY 56 | | | | |
|---|---|---|---|---|---|---|
| ROOF INFORMATION | | ROOF INFORMATION | | | | |
| WIND SPEED (MPH) | 85 | WIND SPEED (MPH) | 85 | | | |
| EXPOSURE CATEGORY | C | EXPOSURE CATEGORY | C | | | |
| ROOF HEIGHT (FT) | 20 | ROOF HEIGHT (FT) | 20 | | | |
| ROOF TYPE | PVC | ROOF TYPE | PVC | | | |
| SEISMIC DESIGN CAT. | D | SEISMIC DESIGN CAT. | D | | | |
| ARRAY SPECIFICATIONS | | ARRAY SPECIFICATIONS | | | | |
| NUMBER OF MODULES | 13 | NUMBER OF MODULES | 13 | | | |
| MODULE POWER (W) | 235 | MODULE POWER (W) | 235 | | | |
| ARRAY OUTPUT (Kw) | 3.1 | ARRAY OUTPUT (Kw) | 3.1 | | | |
| ARRAY PART QUANTITIES | | ARRAY PART QUANTITIES | | | | |
| ITEM | QTY | ITEM | QTY | | | |
| CLAWS | 52 | CLAWS | 52 | | | |
| DEFLECTORS | 13 | DEFLECTORS | 13 | | | |
| DEFLECTOR END PLATES | 5 | DEFLECTOR END PLATES | 5 | | | |
| POLAR BEAR SUPPORTS | 16 | POLAR BEAR SUPPORTS | 16 | | | |
| SOUTH SUPPORTS | 6 | SOUTH SUPPORTS | 6 | | | |
| MECH ATTACHMENTS | 2 | MECH ATTACHMENTS | 2 | | | |
| TOTAL CMU BLOCKS | 30 | TOTAL CMU BLOCKS | 30 | | | |
| ARRAY LOADING DETAILS | | ARRAY LOADING DETAILS | | | | |
| SINGLE MODULE WT (LB) | 43.0 | SINGLE MODULE WT (LB) | 43.0 | | | |
| SINGLE CMU WT (LB) | 13.4 | SINGLE CMU WT (LB) | 13.4 | | | |
| TOTAL ARRAY WT (LB) | 1515.5 | TOTAL ARRAY WT (LB) | 1515.5 | | | |
| ARRAY AREA (SQ. FT) | 369.7 | ARRAY AREA (SQ. FT) | 369.7 | | | |
| ARRAY LOAD (PSF) | 4.1 | ARRAY LOAD (PSF) | 4.1 | | | |
| SUPPORT LEGEND | | | | | | |
|  |  |  |  |  |  | |
| 0-BLOCK | 1-BLOCK | 2-BLOCK | 3-BLOCK | 4-BLOCK | MECH WITH 3-BLOCKS | |
| 2 | REVISED LAYOUT | | | DCA/RFC | JA | 2012/09/10 |
| 1 | OPTIMIZED BALLAST FOR SEISMIC AND UPDATED CHANGES | | | JA | RFC | 2012/09/07 |
| 0 | INITIAL BALLAST LAYOUT | | | JA | RFC | 2012/08/30 |
| REV | DESCRIPTION | | | PREP | CHECK | DATE |
| AZIMUTH | |  | |  | | <div>PANELCLAW, INC. 1600 OSGOOD ST. SUITE 2023 NORTH ANDOVER, MA 01845 TEL: 978.688.4900 FAX: 978.688.5100 www.panelclaw.com</div> |
| | | PREPARED FOR | | EVERYDAY ENERGY | | |
| | | PROJECT | | MADONNA ROAD | | |
| | | LOCATION | | 1550 MADONNA RD, SAN LUIS OBISPO, CA 93405 | | |
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| | | SIZE | | B | SHEET | 25 OF 26 |



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OTHER AND REVIEW BY:
CARUSO TURLEY SCOTT, INC.
CONSULTING STRUCTURAL ENGINEERS
FOR CORRECTNESS OF STRUCTURAL ITEMS ONLY



| REV | DESCRIPTION | PREP | CHECK | DATE |
|-----|---|---------|-------|------------|
| 2 | REVISED LAYOUT | DCA/RFC | JA | 2012/09/10 |
| 1 | OPTIMIZED BALLAST FOR SEISMIC AND UPDATED CHANGES | JA | RFC | 2012/09/07 |
| 0 | INITIAL BALLAST LAYOUT | JA | RFC | 2012/08/30 |

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26 OF 26