|          | DRAWING INDEX            |          |
|----------|--------------------------|----------|
| SHT. NO. | DESCRIPTION              | SHT. NO. |
| 0        | COVER SHEET              |          |
| 1        | DEMOLITION & SITE PLAN   |          |
| 2        | OASIS GRANDSTAND MODS    |          |
| 3        | OASIS ROOF MODS          |          |
| 4        | LOWER SEATING PLAN & SEC |          |
| 5        | FOUNDATION PLAN          |          |
| 6        | RELOCATED OASIS SECTION  |          |
| 7        | TYP FULL SEATING SECTION |          |
| 8        | SEATING PLAN             |          |
| 9        | ALUMINUM DETAILS         |          |
| 10       | GUARDRAIL DETAILS        |          |
| 11       | STAIR DETAILS            |          |
|          |                          |          |
|          |                          |          |
|          |                          |          |
|          |                          |          |
|          |                          |          |
|          |                          |          |
|          |                          |          |

# CASSIA COUNTY FAIRGROU **GRANDSTANDS**

### DESIGN LOADS

LOAD:

DEAD LOAD=10PSF LIVE LOAD=100PSF ROOF LIVE LOAD = 30 PSF SWAY: PARALLEL LATERAL SWAY= 24PLF/ROW PERPENDICULAR LATERAL SWAY = 10PLF/ROW GUARDRAILS: PERPENDICULAR = 50LBS./L.F. 200Ibs AT ANY POINTVERTICAL = 100 lbs./L.F.SEAT & TREAD = 120 lbs./L.F.WIND: BASIC DESIGN WIND SPEED. V = 120 MPH ALLOWABLE STRESS DESIGN WIND SPEED, Vasd= 97 MPH RISK CATEOGRY = III WIND EXPSOURE = CSEISMIC: RISK CATEOGRY = III SEISMIC IMPORTANCE FACTOR = 1.25 $S_{s} = 1.567$  $S_1 = 0.560$ SITE CLASS = D  $S_{DS} = 1.045$  $S_{D1} = 0.635$ SEISMIC DESIGN CATEGORY = D BASIC SEISMIC FORCE-RESISTING SYSTEM = NON-BUILDING STRUCTURE NOT SIMIALR WHEN MOISTURE IS TRAPPED AGAINST IT. THIS MOISTURE ENTRAPMENT TO BUILDINGS: ALL OTHER SELF SUPPORTING STRUCTURES SEISMIC RESPONSE COEFFICEINT, Cs=1.045 RESPONSE MODIFICAITON COEFFICEINT, R=1.25 ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE

3. AS SPECIFIED AND ILLUSTRATED, ALL ALUMINUM FOOTBOARDS AND WALKING SURFACES ARE MILL FINISH. MILL FINISH ALUMINUM, WHEN EXPOSED TO THE ATMOSPHERE, FORMS A TRANSPARENT, PROTECTIVE OXIDE COATING. MILL FINISH ALUMINUM WILL STAIN CAN OCCUR AT SEVERAL STAGES OF MATERIAL DELIVERY, INCLUDING PACKAGING, SHIPPING AND STORAGE. THESE STAINS CAN BE ERRATIC AND VARY IN COLOR FROM LIGHT BRONZE TO BLACK TO CHALKY WHITE. MOISTURE STAINS HAVE NO EFFECT ON THE STRENGTH OF THE MATERIAL. THESE STAINS BECOME LESS NOTICEABLE DURING NORMAL USAGE AND EXPOSURE TO THE SUN'S RADIATION.

4. WALKON SOLUTIONS IS NOT AUTHORIZED TO CERTIFY PLANS AS ADA COMPLIANT. HOWEVER, TO THE BEST OF OUR KNOWLEDGE THESE PLANS MEET OR EXCEED ADA REQUIREMENTS FOR QUANTITY OF ADA SEATING, ACCESS/EGRESS TO ADA SEATING, & DISPERSAL OF ADA SEATING.



## 01 ELBA AVE BURLEY, ID 83318

#### SPECIFICATI

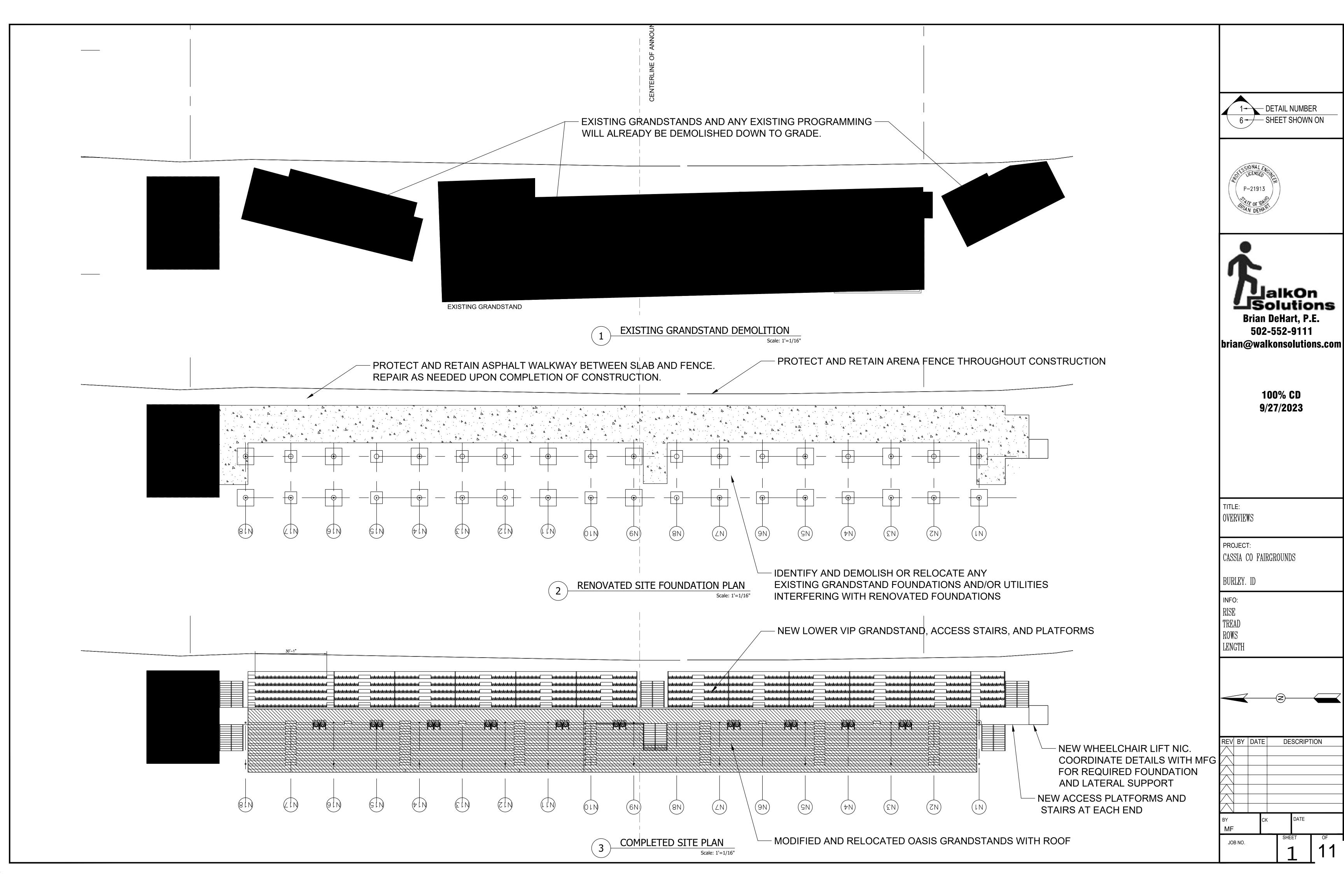
STEEL NOTES: 1. GRANDSTANDS DESIGNED TO COMPLY WITH IBC 2018, ICC 300-2017, NFPA 102, ADA 2002 2. ALL WIDE FLANGES & CHANNELS CONFORM TO ASTM-A992 OR A572 GRADE 50. ALL STRUCTURAL TUBE CONFORMS TO A500 GR B. ALL ANGLES CONFORM TO ASTM-A36/529-50 3. WELDS ARE ALL AROUND WITH TYPE ER70S-6 WIRE MIG U.N.O. 5. STRUCTURAL BOLTS OF  $\frac{1}{2}\phi$  or larger to be astm a325 hot dipped galv., ALL BOLTS LESS THAN  $\frac{1}{2} \phi$  are to be a307 hot dipped galv. 6. STEEL REINFORCING FOR CONCRETE: ASTM A615 OR A706, DEFORMED; GRADE 60 FOR NO.4 AND LARGER; GRADE 40 OR 60 FOR SMALLER BARS 7. ALL STEEL TO BE HOT DIPPED GALVANIZED TO ASTM A -123

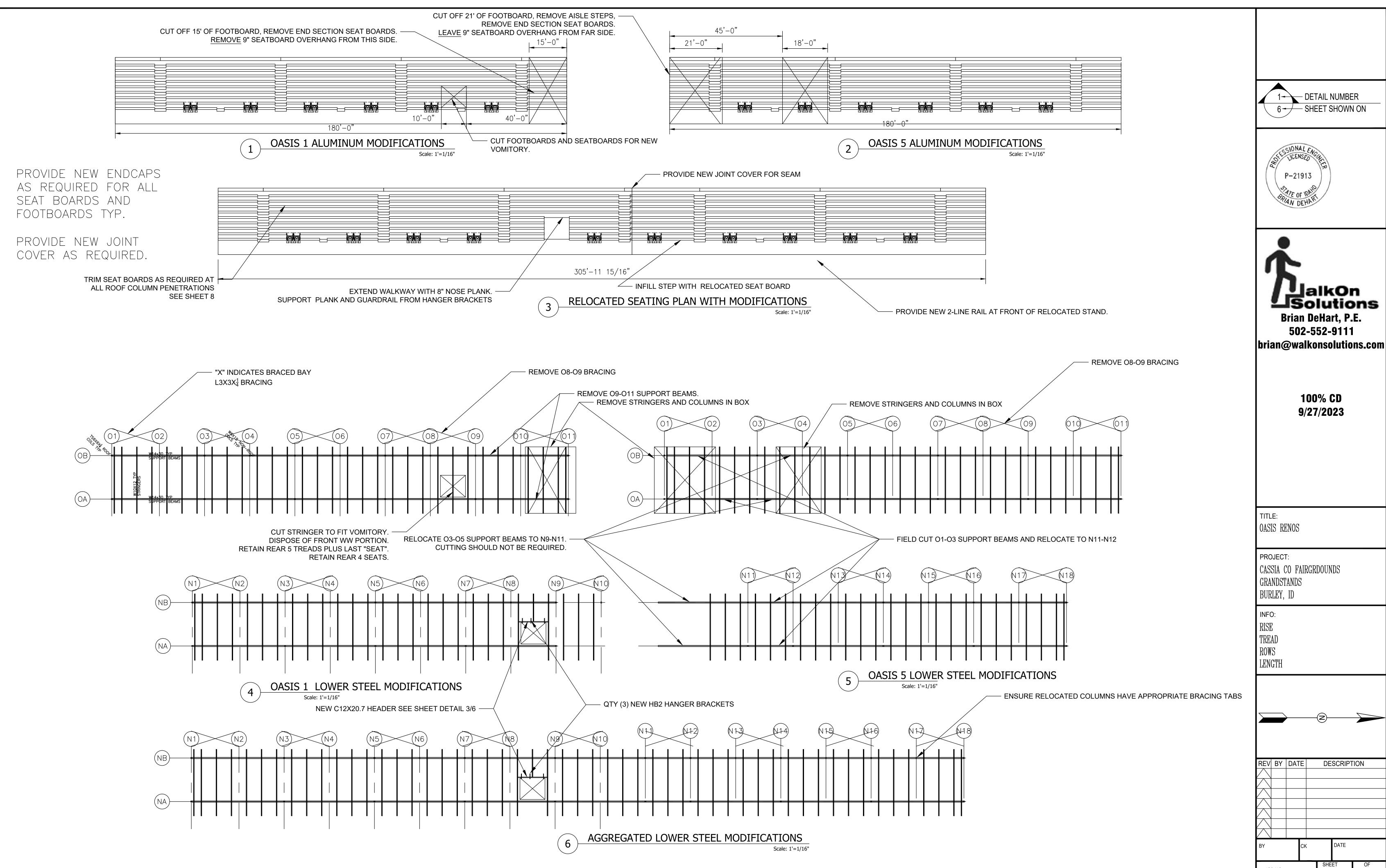
#### GENERAL NOTES:

1. THIS GUARDRAIL SYSTEM HAS BEEN DESIGNED TO PREVENT THE PASSAGE OF A 4" SPHERE THROUGH ANY OPENINGS IN THE FENCING OR SEATING COMPONENTS

2. ALL DIMENSION PERTAINING TO GRANDSTAND AND SITE CONDITIONS/OBJECTS TO BE FIELD VERIFIED OR LOCATED PRIOR TO FABRICATION BY CONTRACTOR.

| SROUN  | DS   |   | 1<br>DETAIL NUMBER<br>6<br>SHEET SHOWN ON  |
|--|--|---|--|
| VE<br>3318   | OWNER/REPRESENITIVE/ARC<br>PLEASE REVIEW THE DRAWINGS. PL<br>CHANGES OR COMMENTS ON THE D<br>APPROVED<br>APPROVED AS NOTED<br>REVISE AND RE-SUBMITT  | EASE INDICATE ANY   | Brian DeHart, P.E.<br>502-552-9111   |
| <ol> <li>ALUMINUM EXTRUSIONS =</li> <li>ANY EXPOSED MILL FINISH<br/>DUE TO OXIDATION WHIC<br/>NOT BE RESPONSIBLE FO</li> <li><u>CONCR</u></li> <li>ALLOWABLE SOIL BEARING IN<br/>(CONTRACTOR TO VERIFY IN</li> </ol>   | ALUMINUM SURFACE WILL BECOME DISCOLO<br>H IS A NATURAL PHENOMENON. BLEACHER N<br>OR DISCOLORATION OF OXIDIZED MILL FINISH<br><u>RETE NOTES:</u><br>PRESSURE 2000 PSF ASSUMED.                                  | MANUFACTURER WILL<br>ALUMINUM.  | brian@walkonsolutions.com<br>100% CD<br>9/27/2023  |
| SUMMARY OF STRUCTURAL CONTI<br>1. IT IS THE RESPONSIBILITY (<br>OR INSPECTION AGENCY AT LEAS   | ION/INSPECTOR REQUINUOUS AND PERIODIC SPECIAL INSPECTION<br>F THE PROJECT INSPECTOR TO INFORM THE<br>F ONE WORKING DAY PRIOR TO PERFORMING   | SPECIAL INSPECTOR   | TITLE:<br>PROJECT:<br>CASSIA COUNTY FAIRGROUNDS<br>GRANDSTANDS<br>BURLEY, ID<br>INFO:<br>RISE<br>TREAD<br>ROWS<br>LENGTH   |
| <ul> <li>AND TABLE 1705.3</li> <li>B) BOLTS INSTALLED IN CONCRETE<br/>CONCRETE AROUND BOLTS.</li> <li>C) REINFORCING STEEL (CBC 17<br/>CONCRETE SPECIFIED TO HAVE SF</li> <li>D) STRUCTURAL WELDING AND F</li> <li>i) DURING ALL SHOP AND<br/>FABRICATION.</li> <li>ii) WELDING INSPECTORS A</li> <li>iii) INSPECTIONS SHALL BE<br/>THE WPS IS BEING FOLI</li> <li>iv) ALL STEEL AND WELDIN<br/>ASTM OR AWS STANDAL</li> <li>v) ALL SUBMITTED TO THE<br/>FABRICATOR</li> </ul> | FABRICATIONS (CBC 1705.2, 1705.2.5 & 1704<br>FIELD WELDING IN ACCORDANCE WITH AWS<br>RE TO BE AWS QC-1 CERTIFIED<br>PER AWS D1.1, D1.3 OR D1.4 AND INCLUDE<br>LOWED<br>G MATERIALS SHALL BE IDENTIFIED AS REQU | HE PLACEMENT OF<br>G STEEL FOR ALL<br>4.2.5)<br>D1.1 DURING SHOP<br>VERIFICATION THAT<br>JIRED BY THEIR<br>T THE BLEACHER | REV       BY       DATE       DESCRIPTION         A       11/2/23       REMOVED SHEETS         A       11/2/23       REMOVED SHEETS         BY       CK       DATE         DATE       DATE |
| TESTING SHALL BE IN CONFORMAN  | NCE WITH THE ANCHOR MANUFACTURER'S EV<br>JM VERIFICATION OF HOLE DEPTH AND DIAME   | ALUATION REPORT   | JOB NO.     SHEET     OF       ID-010     0     11   |



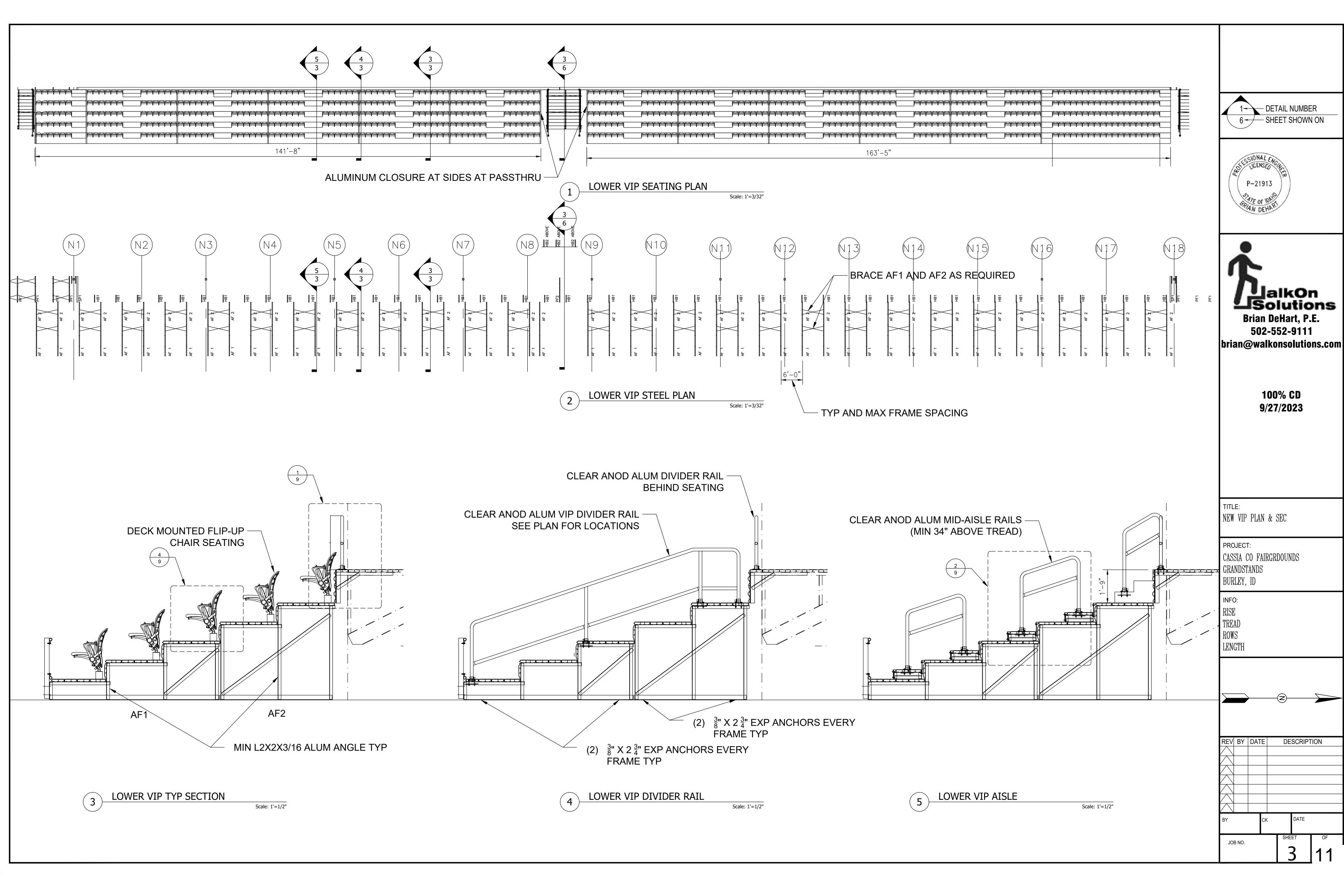


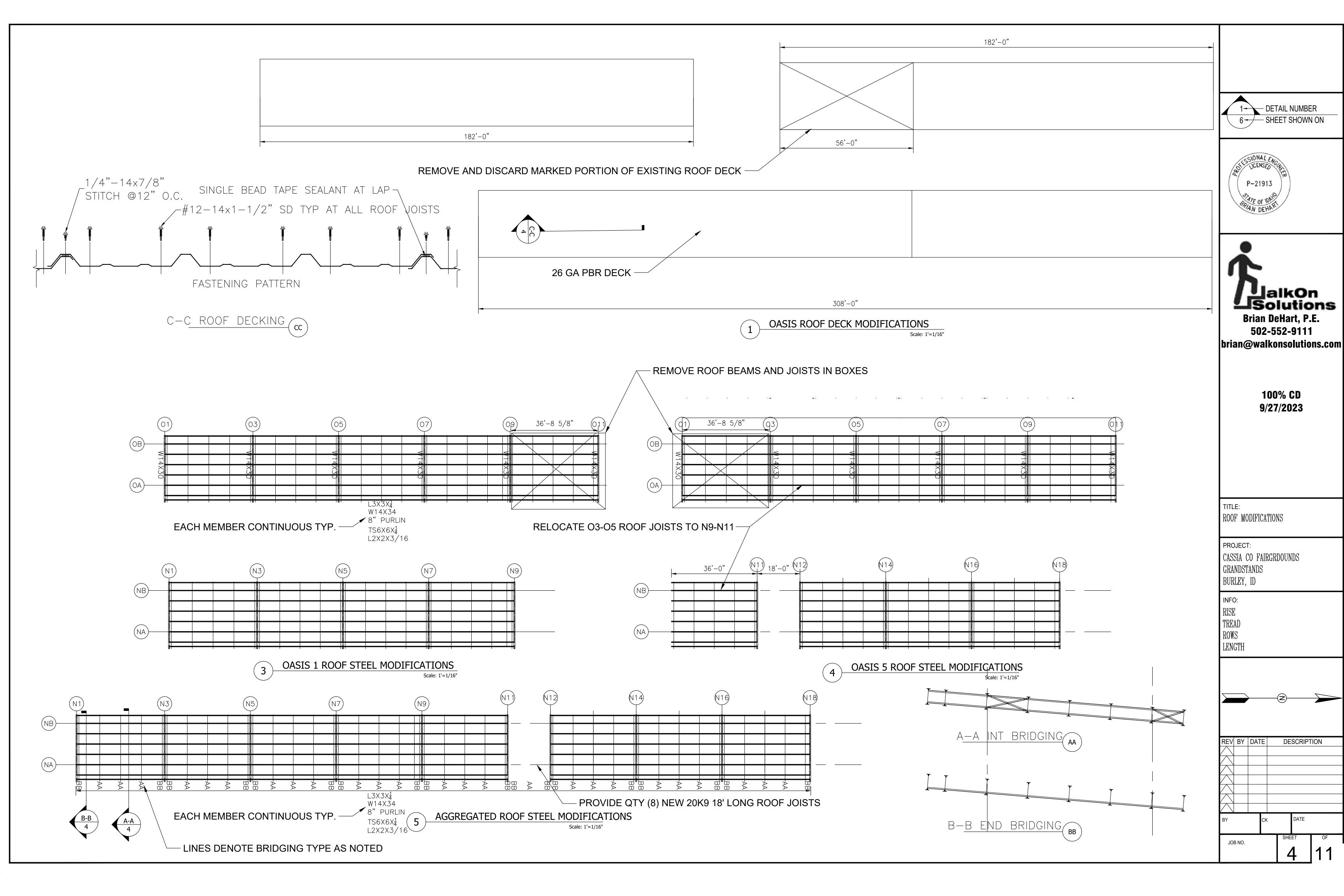
100% CD 9/27/2023 CASSIA CO FAIRGRDOUNDS DESCRIPTION DATE

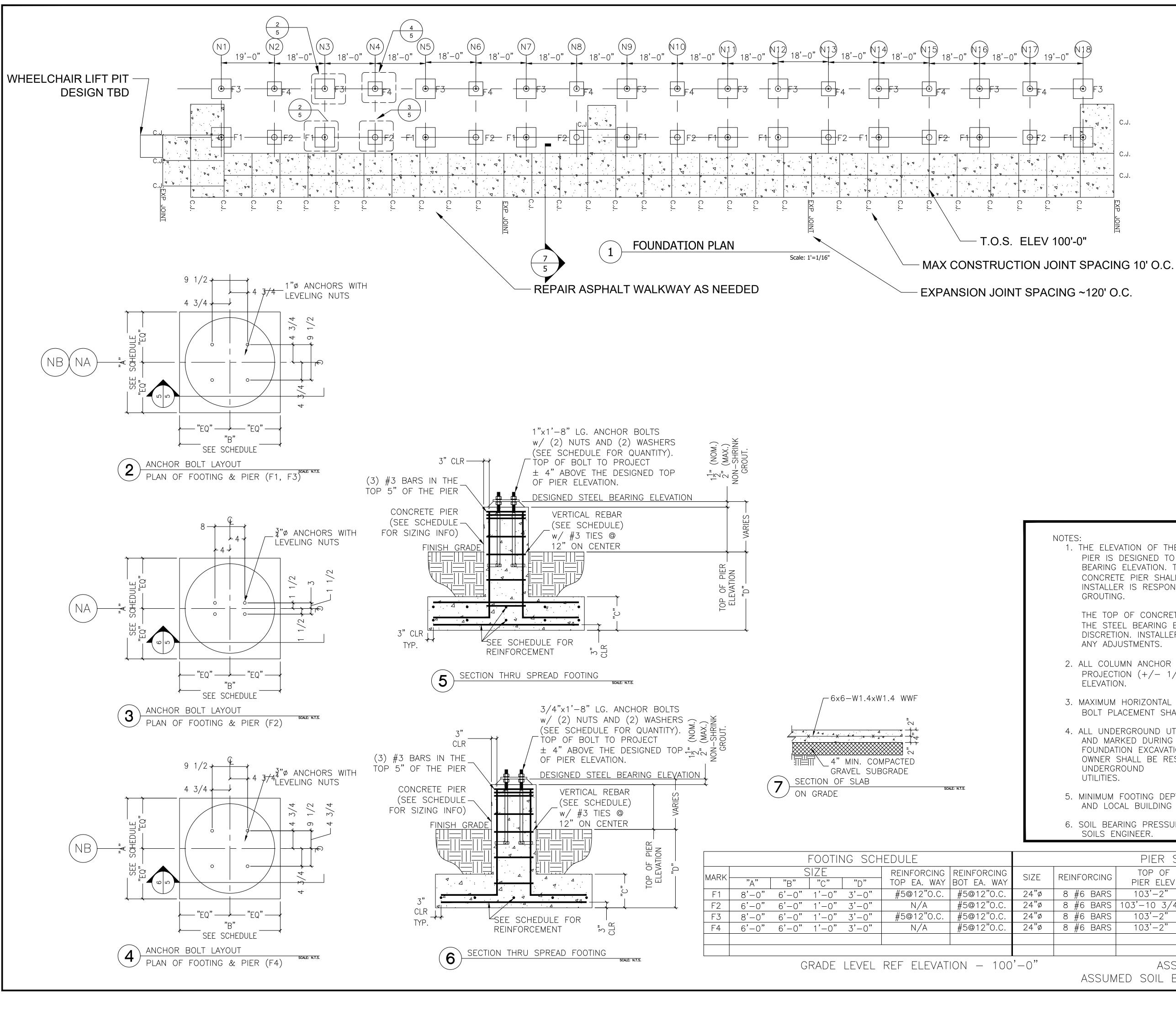
JOB NO.

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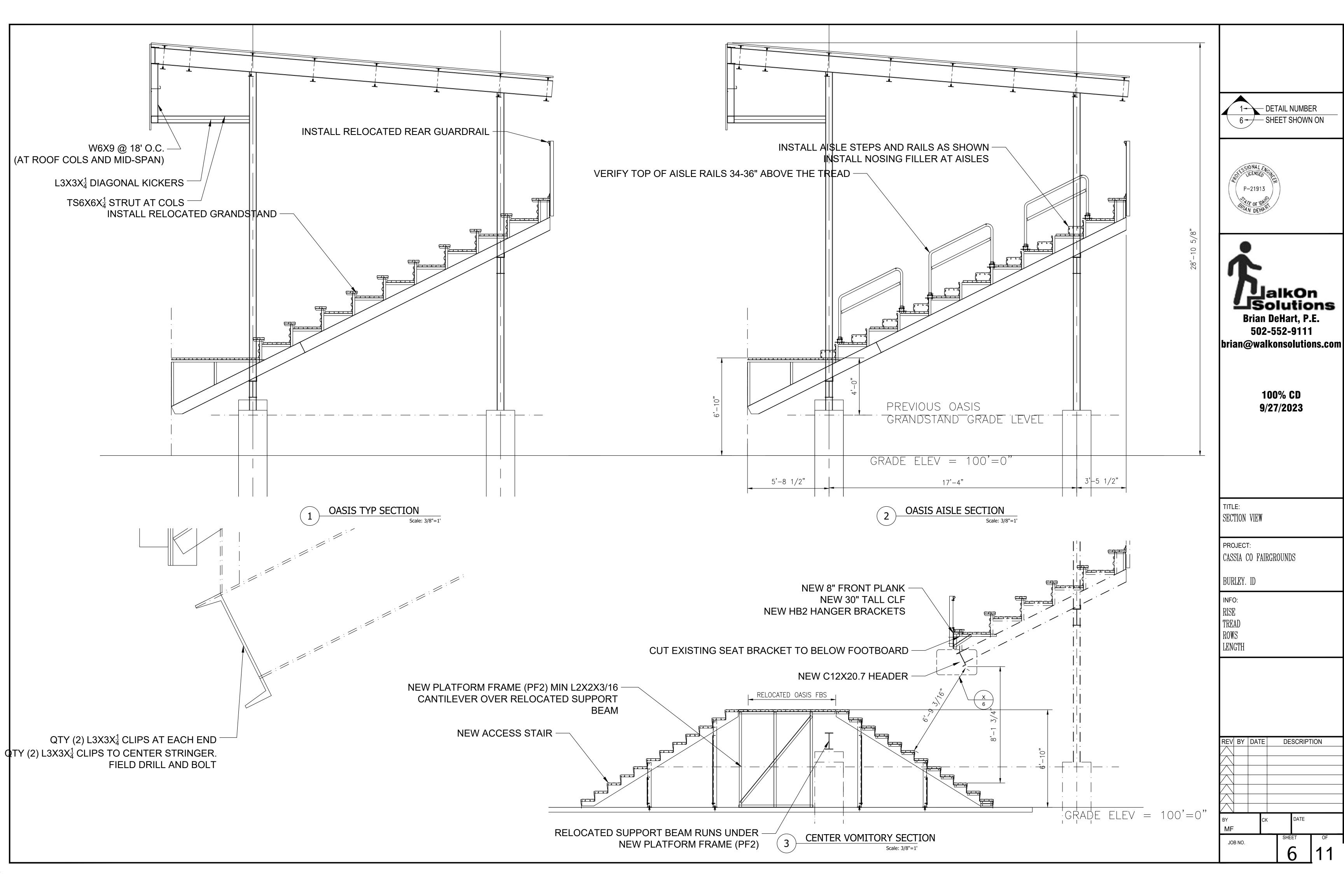


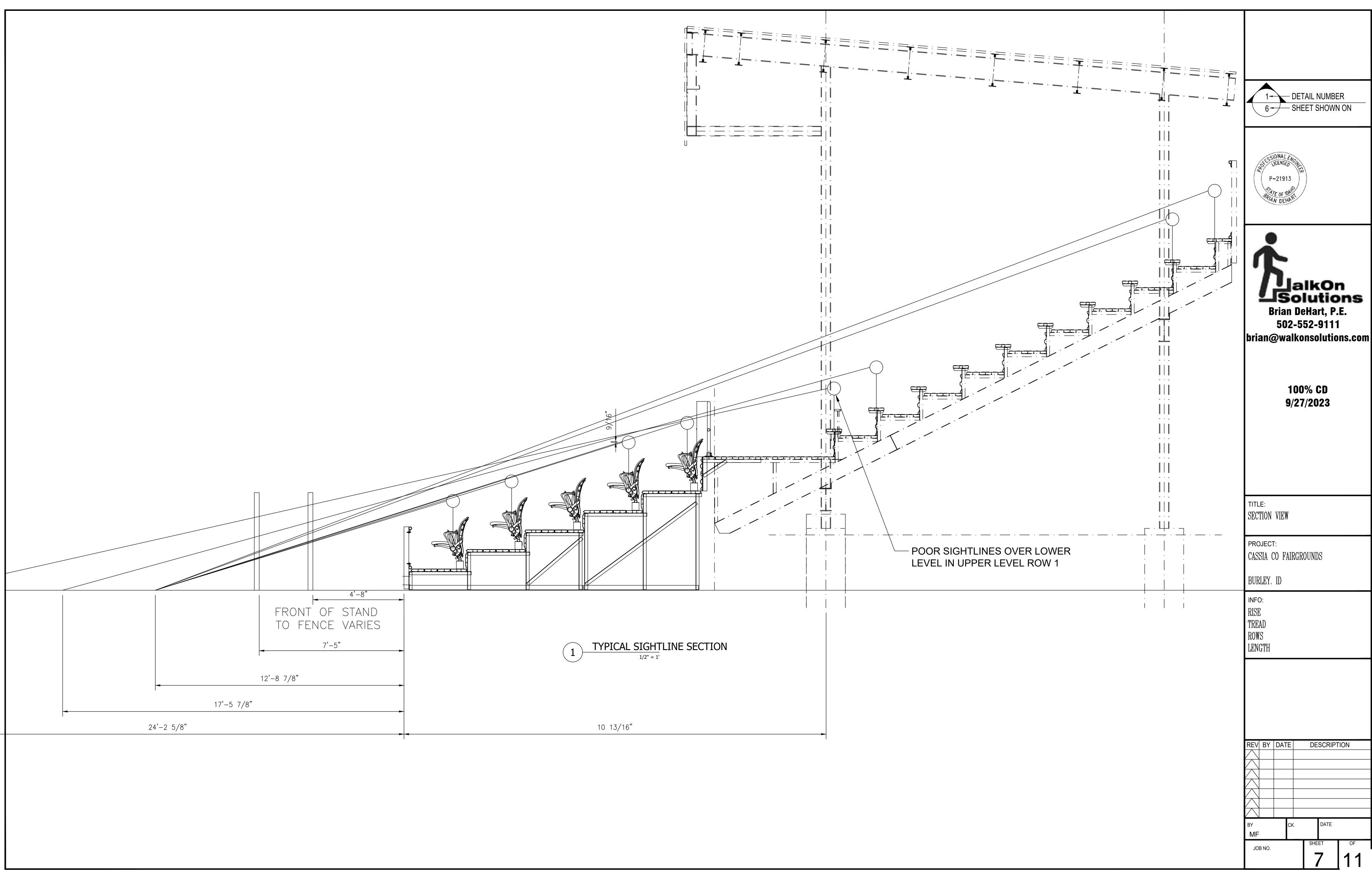
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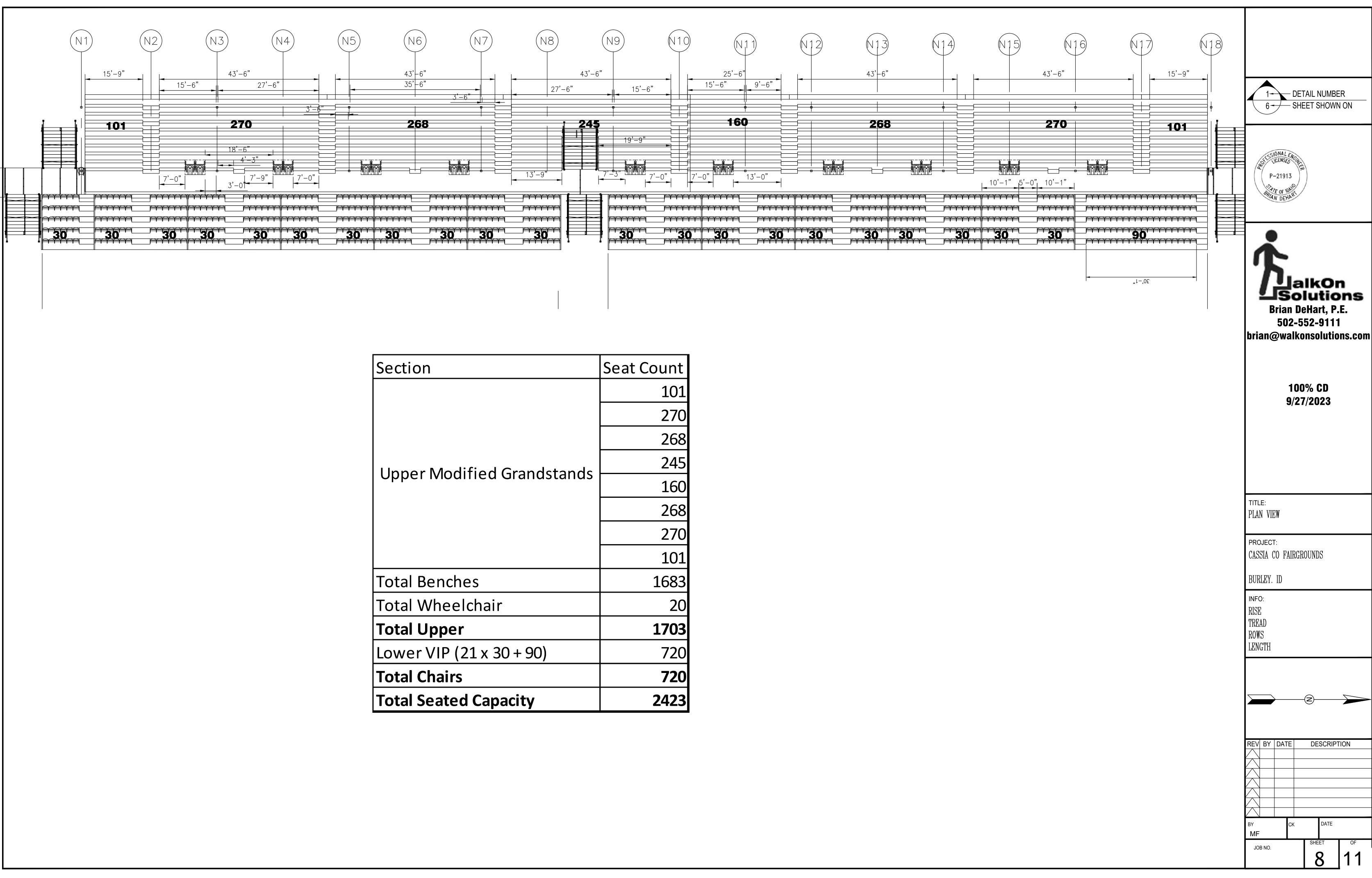
| THE ELEVATION OF THE TOP OF THE CONCRETE<br>PIER IS DESIGNED TO BE 1 1/2" BELOW THE STEEL<br>BEARING ELEVATION. TOLERANCES FOR THE TOP OF<br>CONCRETE PIER SHALL BE +/- 1/8". THE CONCRETE<br>INSTALLER IS RESPONSIBLE FOR NON-SHRINK<br>GROUTING. |   |                         |  |  |  |  |  |
|--|---|-------------------------|--|--|--|--|--|
| THE TOP OF CONCRETE MAY BE RAISED TO MATCH<br>THE STEEL BEARING ELEVATION AT THE INSTALLER'S<br>DISCRETION. INSTALLER IS THEN RESPONSIBLE FOR<br>ANY ADJUSTMENTS.  |   |                         |  |  |  |  |  |
| ALL COLUMN ANCHOR BOLTS MUST HAVE A 4" PROJECTION $(+/-1/8")$ Above the top of pier elevation.   |   |                         |  |  |  |  |  |
| MAXIMUM HORIZONTAL TOLERANCE OF ANCHOR<br>BOLT PLACEMENT SHALL BE 1/8".  |   |                         |  |  |  |  |  |
| ALL UNDERGROUND UTILITIES ARE TO BE LOCATED<br>AND MARKED DURING REVIEW PROCESS PRIOR TO<br>FOUNDATION EXCAVATION. NEITHER DESIGNER NOR<br>OWNER SHALL BE RESPONSIBLE FOR DAMAGE TO<br>UNDERGROUND<br>UTILITIES.                                   |   |                         |  |  |  |  |  |
| AINIMUM FOOTING DEPTH IS DETERMINED BY STATE<br>AND LOCAL BUILDING CODES.  |   |                         |  |  |  |  |  |
| SOIL BEARING PRESSURE IS TO BE DETERMINED BY SOILS ENGINEER.   |   |                         |  |  |  |  |  |
| PIER SCHEDULE  |   |                         |  |  |  |  |  |
| DRCING TOP OF<br>PIER ELEV   | SIZE OF<br>ANCHORS                      | ANCHOR BOLT<br>TEMPLATE |  |  |  |  |  |
| BARS 103'-2"   | 1"X1'-8" HVY HEX HEAD GR36              | 9.5X9.5                 |  |  |  |  |  |
| BARS 103'-10 3/4"  |   | 3X8                     |  |  |  |  |  |
| BARS 103'-2"   | 1"X1'-8" HVY HEX HEAD GR36              | 9.5X9.5                 |  |  |  |  |  |
| BARS 103'-2"   | $\frac{3}{4}$ "X1'-8" HVY HEX HEAD GR36 | 9.5X9.5                 |  |  |  |  |  |
|  |   |                         |  |  |  |  |  |
|  |   |                         |  |  |  |  |  |

|        | AS   | SSUMED  | FROST  | DEPTH  | - 3'-0" |
|--------|------|---------|--------|--------|---------|
| SSUMED | SOIL | BEARING | G CAPA | CITY – | 2000PSF |

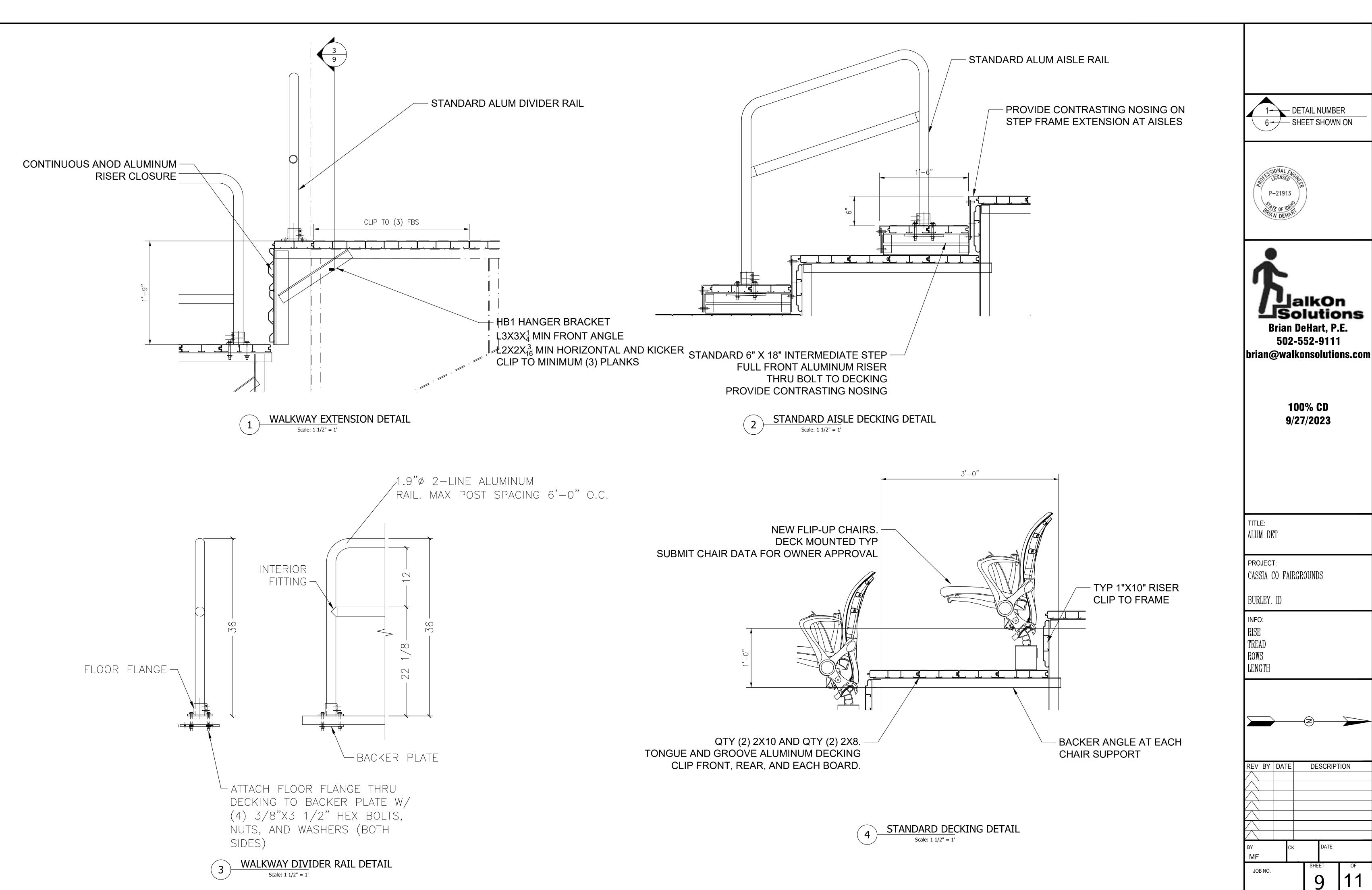
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|---|--------------------|----------------|-----------------|--------------|--------------|----------|
| P-21913<br>P-21913<br>P-21913<br>P-21913<br>P-21913<br>Project:<br>CASSIA CO FAIRGRDOUNDS<br>GRANDSTANDS<br>BURLEY, ID<br>INFO:<br>RISE<br>TREAD<br>ROWS<br>LENGTH<br>PROJECT:<br>CASSIA CO FAIRGRDOUNDS<br>GRANDSTANDS<br>BURLEY, ID<br>INFO:<br>RISE<br>TREAD<br>ROWS<br>LENGTH<br>PROJECT:<br>CASSIA CO FAIRGRDOUNDS<br>CANDSTANDS<br>BURLEY, ID<br>INFO:<br>RISE<br>TREAD<br>ROWS<br>LENGTH<br>PROJECT:<br>CASSIA CO FAIRGRDOUNDS<br>CONSTRUCTION<br>PROJECT:<br>CASSIA CO FAIRGRDOUNDS<br>CONSTRUCTION<br>PROJECT:<br>CASSIA CO FAIRGRDOUNDS<br>CONSTRUCTION<br>PROJECT:<br>CASSIA CO FAIRGRDOUNDS<br>CONSTRUCTION<br>PROJECT:<br>CONSTRUCTION<br>PROJECT:<br>CONSTRUCTION<br>PROJECT:<br>CASSIA CO FAIRGRDOUNDS<br>CONSTRUCTION<br>PROJECT:<br>CONSTRUCTION<br>PROJECT:<br>CONSTRUCTION<br>PROJECT:<br>CASSIA CO FAIRGRDOUNDS<br>CONSTRUCTION<br>PROJECT:<br>CONSTRUCTION<br>PROJECT:<br>CONSTRUCTION<br>PROJECT:<br>CONSTRUCTION<br>PROJECT:<br>CONSTRUCTION<br>PROJECT:<br>CONSTRUCTION<br>PROJECT:<br>CONSTRUCTION<br>PROJECT:<br>CONSTRUCTION<br>PROJECT:<br>CONSTRUCTION<br>PROJECT:<br>CONSTRUCTION<br>PROJECT:<br>CONSTRUCTION<br>PROJECT:<br>CONSTRUCTION<br>PROJECT:<br>CONSTRUCTION<br>PROJECT:<br>CONSTRUCTION<br>PROJECT:<br>CONSTRUCTION<br>PROJECT:<br>CONSTRUCTION<br>PROJECT:<br>CONSTRUCTION<br>PROJECT:<br>CONSTRUCTION<br>PROJECT:<br>CONSTRUCTION<br>PROJECT:<br>CONSTRUCTION<br>PROJECT:<br>CONSTRUCTION<br>PROJECT:<br>PROJECT:<br>CONSTRUCTION<br>PROJECT:<br>PROJECT:<br>CONSTRUCTION<br>PROJECT:<br>PROJECT:<br>CONSTRUCTION<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>CONSTRUCTION<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>CONSTRUCTION<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT:<br>PROJECT: |                    | 1-             |                 |              |              |          |
| Brian DeHart, P.E.<br>502-552-9111<br>brian@walkonsolutions.com<br>100% CD<br>9/27/2023<br>TITLE:<br>PLAN VIEW / FOOTING LAYOUT<br>PROJECT:<br>CASSIA CO FAIRCRDOUNDS<br>GRANDSTANDS<br>BURLEY, ID<br>INFO:<br>RISE<br>TREAD<br>ROWS<br>LENGTH<br>REV BY DATE DESCRIPTION<br>REV BY DATE DESCRIPTION<br>A DATE<br>BY CK DATE<br>SHEET OF  |                    | ( P            | -21913          | 3))          |              |          |
| 9/27/2023   | bria               |                | rian  <br>502-  | DeHa<br>552- | rt, P<br>911 | .E.<br>1 |
| PLAN VIEW / FOOTING LAYOUT  PROJECT: CASSIA CO FAIRGRDOUNDS GRANDSTANDS BURLEY, ID  INFO: RISE TREAD ROWS LENGTH   REV BY DATE DESCRIPTION  REV BY DATE DESCRIPTION  REV BY CK DATE   |                    |                | -               |              | _            |          |
| CASSIA CO FAIRGRDOUNDS<br>GRANDSTANDS<br>BURLEY, ID<br>INFO:<br>RISE<br>TREAD<br>ROWS<br>LENGTH<br>REV BY DATE DESCRIPTION<br>REV BY DATE DESCRIPTION<br>BY CK DATE<br>SHEET OF   |                    |                | W / FC          | OTING        | LAYOU        | T        |
| RISE<br>TREAD<br>ROWS<br>LENGTH          REV       BY       DATE       DESCRIPTION         REV       BY       DATE       DESCRIPTION         BY       CK       DATE         SHEET       OF  | CAS<br>GRA         | SIA C<br>NDSTA | 0 FAIR(<br>ANDS | GRDOUN       | NDS          |          |
| BY CK DATE  | RISE<br>TRE<br>ROW | ¦<br>AD<br>S   |                 |              |              |          |
| BY CK DATE  |                    |                |                 | Z-           |              |          |
| SHEET OF  | REV                | BY             | DATE            | DE           | SCRIP        | TION     |
| SHEET OF  | $\langle \rangle$  |                |                 |              |              |          |
| SHEET OF  | $\bigwedge$        |                |                 |              |              |          |
| JOB NO.   | BY                 |                | СК              |              | DATE         |          |
|   |                    |                |                 |              |              |          |



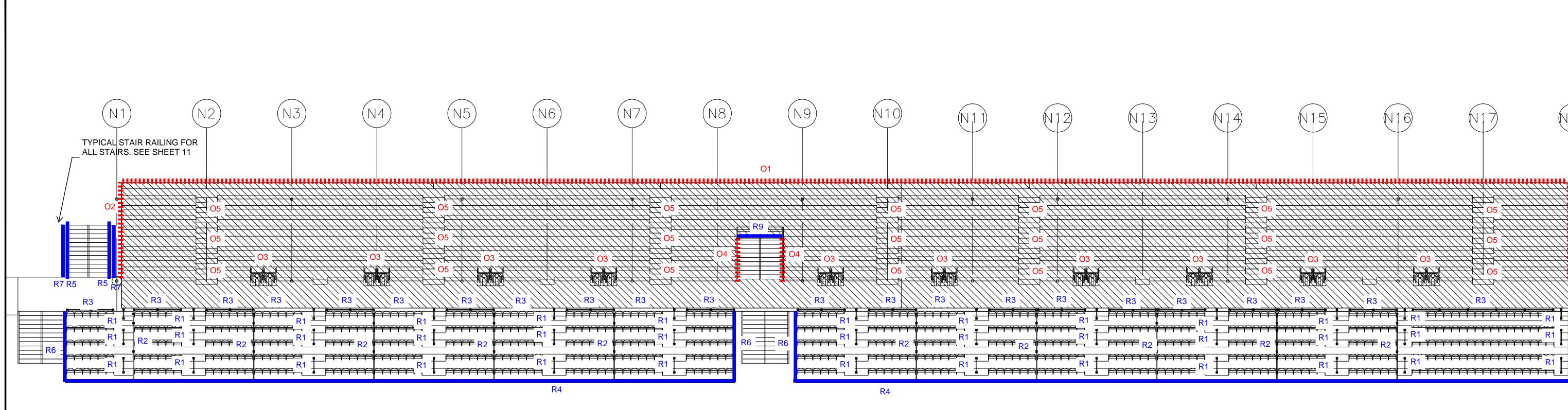




|                     | Seat Count |
|---------------------|------------|
| odified Grandstands | 101        |
|                     | 270        |
|                     | 268        |
|                     | 245        |
|                     | 160        |
|                     | 268        |
|                     | 270        |
|                     | 101        |
| ches                | 1683       |
| eelchair            | 20         |
| er                  | 1703       |
| P (21 x 30 + 90)    | 720        |
| irs                 | 720        |
| ted Capacity        | 2423       |



9 11



|   | Label | Туре                      | Notes                              |
|---|-------|---------------------------|------------------------------------|
| <b>Relocated Rail</b>                       |       |                           |                                    |
| Relocate Rear Oasis Rails                   | 01    | Galv CLF                  | 54" above rear seat                |
| Relocate Side Oasis Rails                   | 02    | Galv CLF                  | 54" above tread                    |
| Relocated WC Pocket Rails                   | 03    | Galv CLF                  | 36" above row 2 tread, use relocat |
| Reuse side Oasis rails at new side vomitory | 04    | Galv CLF                  | 54" tall                           |
| Relocate Oasis Mid-Aisle Rails              | 05    | 1.9" Clear Anod Alum Pipe | 34"-36" above tread                |
| <u>New Rail</u>                             |       |                           |                                    |
| New 2-Line Aisle Rails                      | R1    | 1.9" Clear Anod Alum Pipe | 34"-36" above tread                |
| New 2-Line VIP Divider Rails (Sloped)       | R2    | 1.9" Clear Anod Alum Pipe | 34"-36" above tread                |
| New 2-Line Walkway Divider Rail             | R3    | 1.9" Clear Anod Alum Pipe | 30" tall                           |
| New 2-line Front Rail                       | R4    | 1.9" Clear Anod Alum Pipe | L3x3x1/4 Galv Angle Posts, 26" abo |
| New Stair Grabrail                          | R5    | 1.9" Clear Anod Alum Pipe | 34"-36" above tread                |
| New Side Guardrail                          | R6    | Galv CLF                  | L3x3x1/4 Galv Angle Posts, 42" mir |
| New Stair Guardrail                         | R7    | Galv CLF                  | L3x3x1/4 Galv Angle Posts, 42" mir |
| New Platform Guardrail                      | R8    | Galv CLF                  | L3x3x1/4 Galv Angle Posts, 42" mir |
| New Upper Vomitory Guardrail                | R9    | Galv CLF                  | 30" above tread                    |



