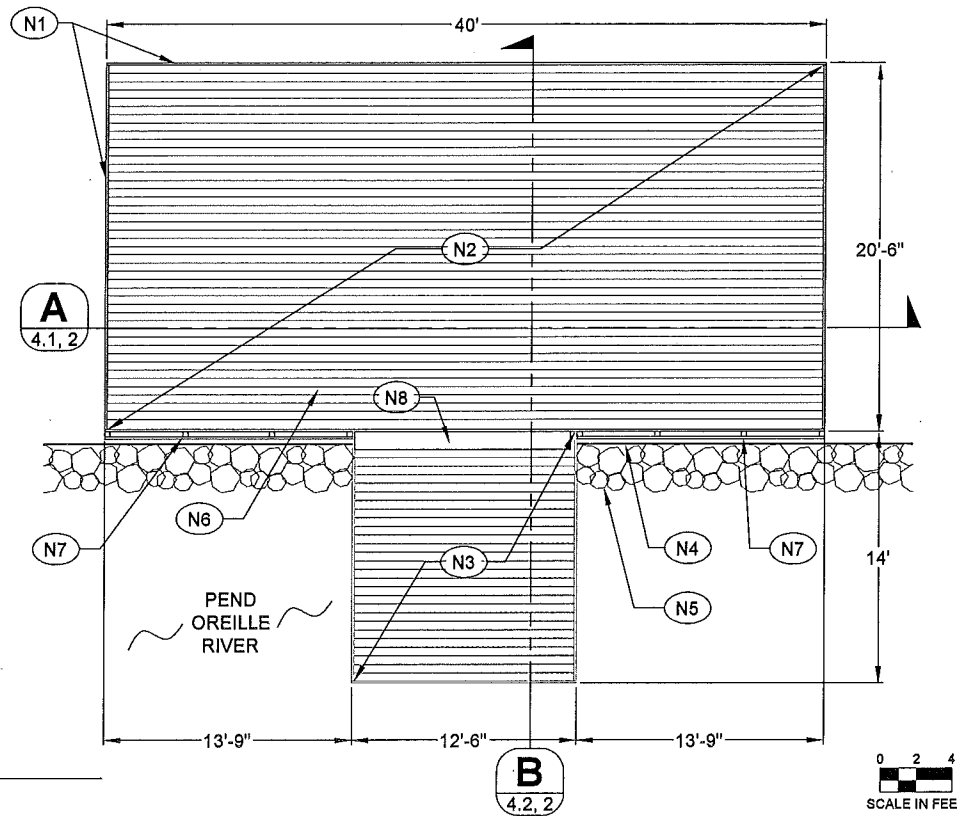


WESTWOOD VILLAGE DECK STRUCTURAL DESIGN

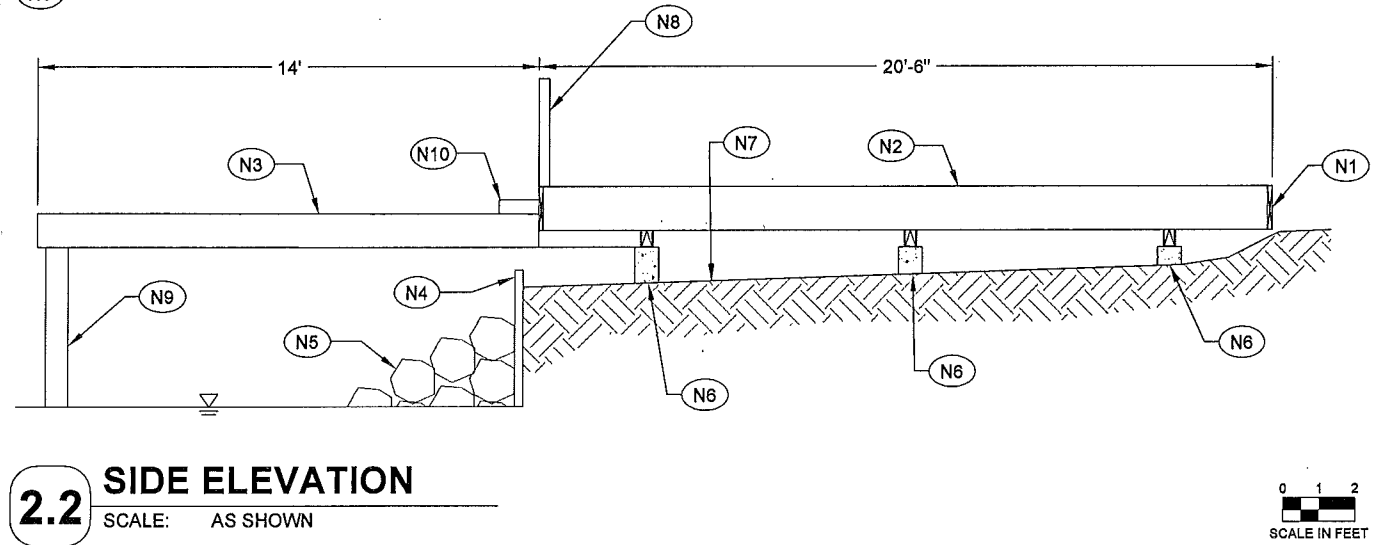
WESTWOOD VILLAGE, BOISE MERIDIAN, BONNER COUNTY, IDAHO

- (N1) RIM BOARD, PER OWNER
- (N2) PROPOSED DECK REPAIR AREA
- (N3) ORIGINAL DECK, REPLACE JOISTS & DECKING, RETAIN AND PROTECT FOUNDATION & COLUMNS
- (N4) EXISTING METAL RETAINING WALL, RETAIN AND PROTECT
- (N5) EXISTING SHORELINE RIPRAP, RETAIN AND PROTECT
- (N6) 2 x 6 REDWOOD DECKING, STYLE & COLOR BY OWNER
- (N7) RAILING, PER CODE, DESIGN BY OTHERS
- (N8) STEP, BY OWNER



2.1 PLAN VIEW
SCALE: AS SHOWN

- (N1) RIM BOARD, PER OWNER
- (N2) PROPOSED DECK REPAIR AREA
- (N3) REPLACE JOISTS, RIM BOARD, AND DECKING
- (N4) EXISTING METAL RETAINING WALL, RETAIN AND PROTECT
- (N5) EXISTING SHORELINE RIPRAP, RETAIN AND PROTECT
- (N6) PROPOSED FOUNDATIONS
- (N7) FINISHED GRADE
- (N8) RAILING, PER CODE, DESIGN BY OTHERS
- (N9) RETAIN AND PROTECT ORIGINAL COLUMNS AND FOOTINGS
- (N10) STEP, PER OWNER



2.2 SIDE ELEVATION
SCALE: AS SHOWN

GENERAL: ALL BUILDING CONSTRUCTION SHALL CONFORM TO THE 2012 EDITION OF THE INTERNATIONAL BUILDING CODE, AS WELL AS ALL OTHER STATE AND LOCAL BUILDING CODES. IN THE EVENT OF A CODE CONFLICT THE MORE RESTRICTIVE CODE SHALL APPLY.

DESIGN LOADS:

- DEAD LOAD = 15 PSF
- SNOW LOAD = 100 PSF
- BASIC WIND SPEED = 115 MPH
- EXPOSURE = C

SOIL BEARING - THE FOOTINGS HAVE BEEN DESIGNED BASED ON A SOIL BEARING STRENGTH OF 1,500 PSF THAT IS CONSISTENT WITH SILTY/CLAY SOILS. LESSER SOIL CONDITIONS WILL REQUIRE REVIEW AND FOOTING SIZE ADJUSTMENT BY THE ENGINEER.

CONCRETE - MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3,000 PSI FOR FOUNDATIONS AND SLABS. CAST-IN-PLACE CONCRETE SHALL CONFORM TO ACI 318-05.

REINFORCEMENT STEEL - REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 60. MINIMUM COVER OF REINFORCING STEEL SHALL BE 3" FROM SOIL, 2" FROM FORMS AND 1-1/2" ELSEWHERE. REBAR LAP SPLICE LENGTHS SHALL BE AS SHOWN BELOW, UNLESS OTHERWISE NOTED:

- #4 - 25"
- #5 - 31"

BOLTS - ALL BOLTS SHALL BE ASTM A325 BOLTS OR ENGINEER APPROVED EQUAL.

4.1 SPECIFICATIONS
SCALE: AS SHOWN

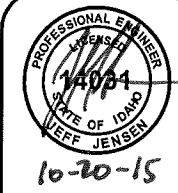
WOOD MEMBERS - ALL WOOD SHALL BE PRESSURE TREATED HEM-FIR NO. 2 OR BETTER. TREATED WOOD SHALL CONFORM TO THE REQUIREMENTS OF AWPB LB-22.

MECHANICAL CONNECTORS - ALL MECHANICAL CONNECTORS SPECIFIED IN THE PLANS SHALL BE SIMPSON® OR APPROVED EQUAL AND SHALL BE INSTALLED ACCORDING TO THE MANUFACTURERS SPECIFICATIONS.

FASTENERS - ALL NAILS USED FOR THE ATTACHMENT OF STRUCTURAL MEMBERS SHALL BE 16D NAILS. NAIL SPACING AND EDGE DISTANCES SHALL CONFORM TO SECTION 11.5 OF THE NDS. NAILING SHALL CONFORM TO TABLE 2304.9.1 OF THE 2012 INTERNATIONAL BUILDING CODE (IBC).

SOIL COMPACTION - COMPACT ALL FILL TO 95% OF MAXIMUM DRY DENSITY (MDD) IN ACCORDANCE WITH ASTM D1557.

CONTRACTOR TO VERIFY ALL EXISTING DIMENSIONS AND LOCATIONS PRIOR TO CONSTRUCTION



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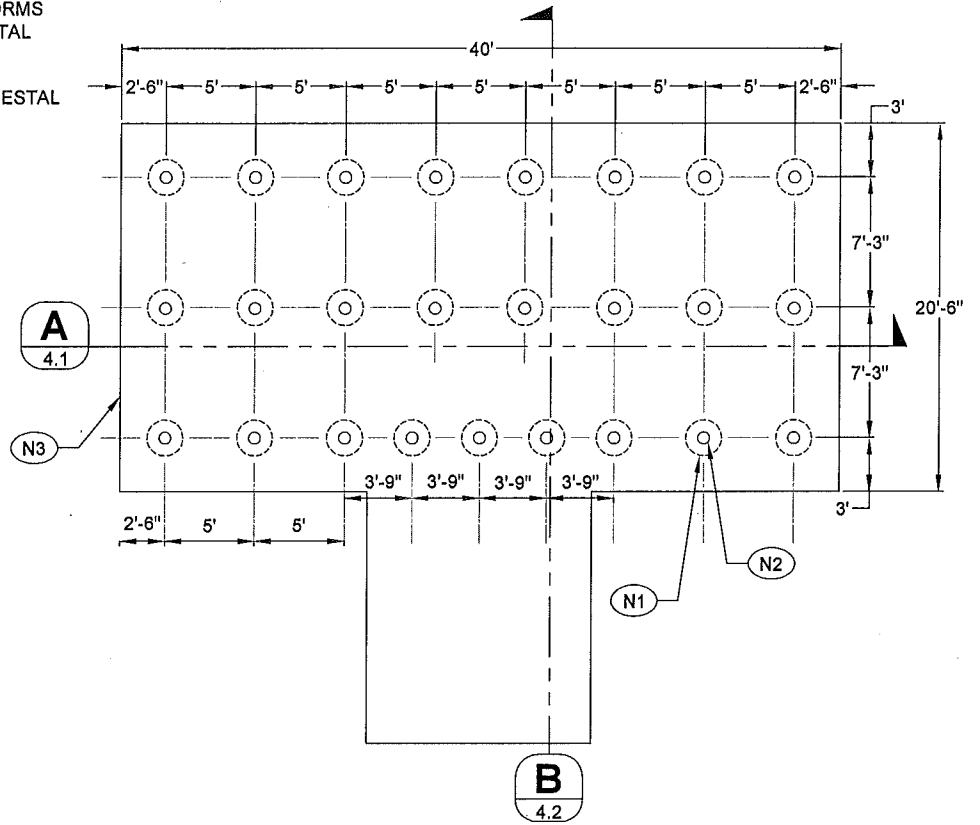


SHEET TITLE: PLAN VIEW, ELEVATIONS, SPECIFICATIONS
PROJECT: WESTWOOD VILLAGE DECK STRUCTURAL DESIGN
BONNER COUNTY, IDAHO

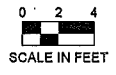
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| DATE: | 10-19-15 |
| SCALE: | AS SHOWN |
| DESIGNED: | JPJ/HCO |
| DRAWN: | HCO |
| CHECKED: | JPJ |
| PROJ NO.: | 23155-15-001 |
| CAD FILE: | WESTWOOD DECK |

- (N1) 24" DIA. CONCRETE FOOTINGS FORMED WITH BF24 BIGFOOT FORMS TWENTY FIVE (25) FOOTINGS TOTAL SEE DETAIL 2.1 SHEET 3
- (N2) 8" DIA. SONOTUBE FOOTING PEDESTAL
- (N3) DECK FOOTPRINT

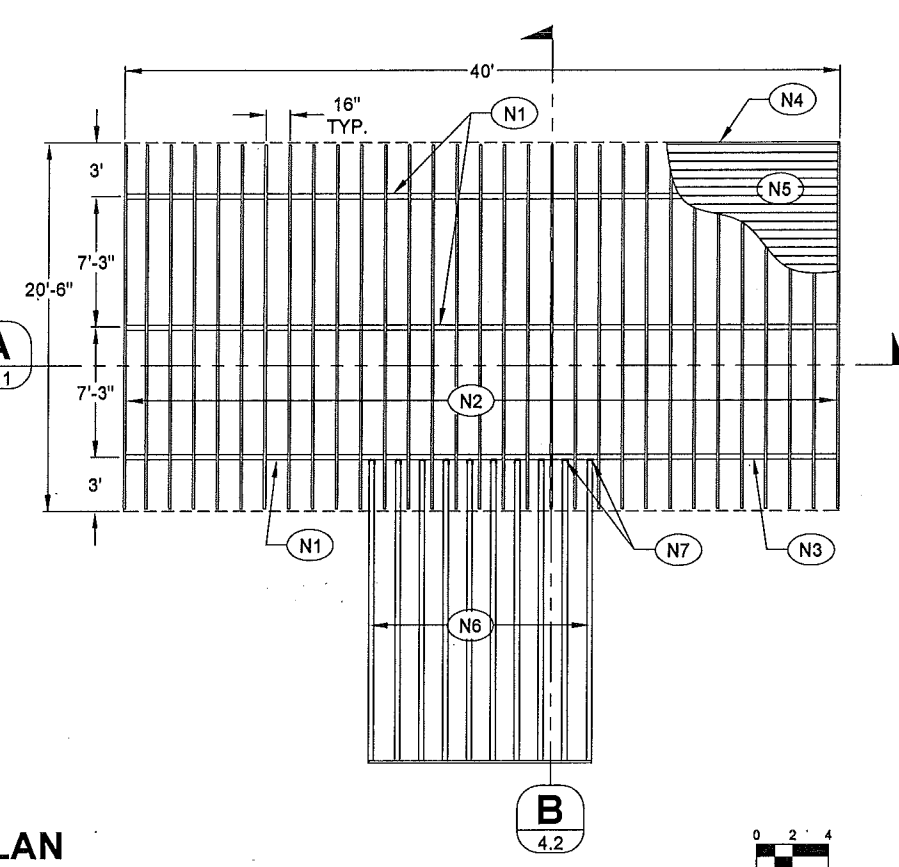
NOTE: AS AN ALTERNATE TO 24" DIA. BIGFOOT FORMS, 24"x24"x10" FOOTINGS CAN BE INSTALLED FOOTINGS SHALL BE REINFORCED WITH (3) #4 BARS EACH WAY.



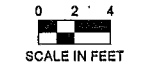
2.1 FOUNDATION PLAN
SCALE: AS SHOWN



- (N1) 4 x 12 PT HEM-FIR BEAM
- (N2) 2 x 8 PT HEM-FIR JOIST @ 16" O.C.
- (N3) FULL DEPTH BLOCKING AT BEARING LOCATIONS, TYP.
- (N4) RIM BOARD, PER OWNER
- (N5) 2 x 6 REDWOOD DECKING STYLE & COLOR BY OWNER ATTACH TO EACH JOIST WITH MIN. (2) FASTERS FASTENER STYLE BY OWNER
- (N6) PROPOSED 4 x 12 PT HEM-FIR JOISTS
- (N7) ATTACH 4 x 12 JOISTS TO 4 x 12 DECK BEAM WITH LUS410 SIMPSON FACE MOUNT HANGERS (TYP.)

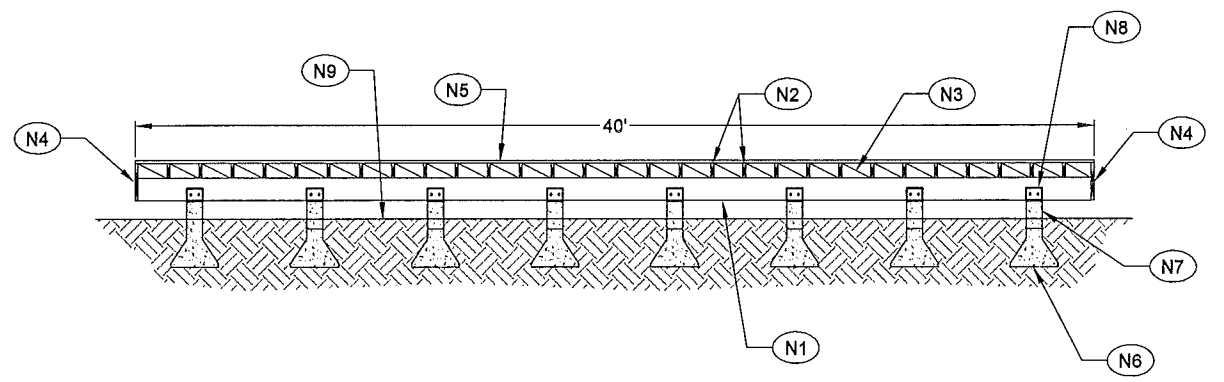


2.2 FLOOR FRAMING PLAN
SCALE: AS SHOWN

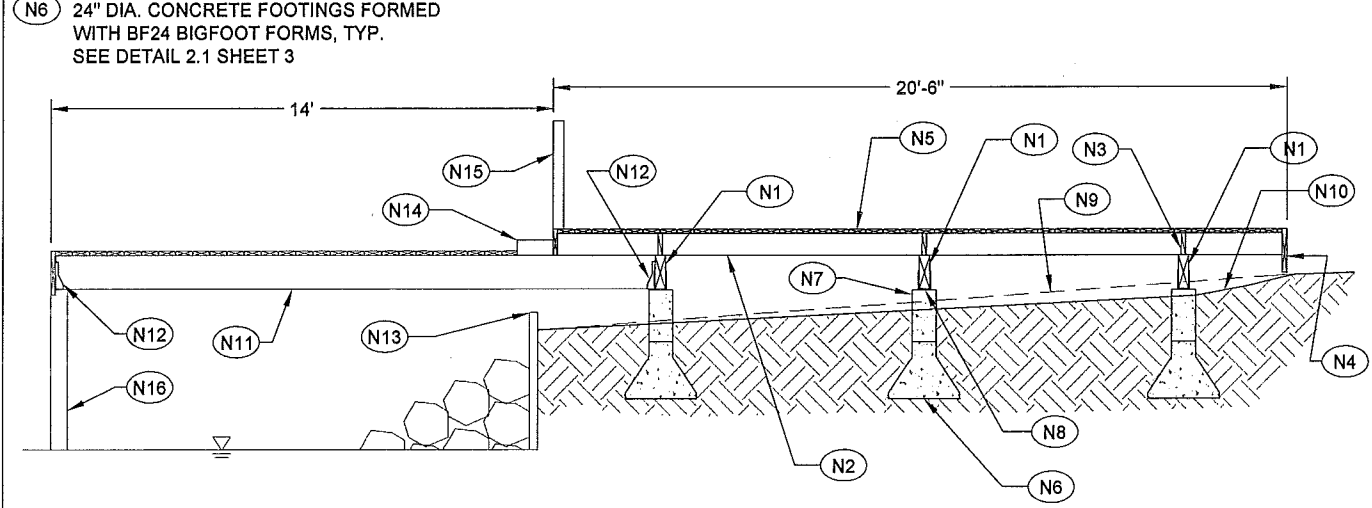


- (N1) 4 x 12 PT HEM-FIR BEAM
- (N2) 2 x 8 PT HEM-FIR JOIST @ 16" O.C.
- (N3) FULL DEPTH BLOCKING AT BEARING LOCATIONS, TYP.
- (N4) RIM BOARD, PER OWNER
- (N5) 2 x 6 REDWOOD DECKING STYLE & COLOR BY OWNER ATTACH TO EACH JOIST WITH MIN. (2) FASTERS FASTENER STYLE BY OWNER
- (N6) 24" DIA. CONCRETE FOOTINGS FORMED WITH BF24 BIGFOOT FORMS, TYP. AS SHOWN. SEE DETAIL 2.1 SHEET 3
- (N7) 8" DIA. SONOTUBE FOOTING PEDESTAL, TYP. AS SHOWN
- (N8) FABRICATED STEEL CONNECTION, TYP. AS SHOWN SEE DETAIL 2.2 SHEET 3
- (N9) FINISHED GRADE

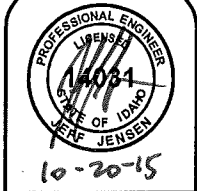
- (N1) 4 x 12 PT HEM-FIR BEAM
- (N2) 2 x 8 PT HEM-FIR JOIST @ 16" O.C.
- (N3) FULL DEPTH BLOCKING AT BEARING LOCATIONS, TYP.
- (N4) RIM BOARD, PER OWNER
- (N5) 2 x 6 REDWOOD DECKING STYLE & COLOR BY OWNER ATTACH TO EACH JOIST WITH MIN. (2) FASTERS FASTENER STYLE BY OWNER
- (N6) 24" DIA. CONCRETE FOOTINGS FORMED WITH BF24 BIGFOOT FORMS, TYP. SEE DETAIL 2.1 SHEET 3
- (N7) 8" DIA. SONOTUBE FOOTING PEDESTAL, TYP. AS SHOWN
- (N8) FABRICATED STEEL CONNECTION, TYP. SEE DETAIL 2.2 SHEET 3
- (N9) APPROX. ORIGINAL GRADE
- (N10) APPROX. PROPOSED FINISHED GRADE
- (N11) PROPOSED 4 x 12 PT HEM FIR JOISTS AT 16" O.C.
- (N12) ATTACH 4 x 12 JOISTS TO 4 x 12 BEAM WITH LUS410 SIMPSON FACE MOUNT HANGERS (TYP.)
- (N13) EXISTING RETAINING WALL RETAIN AND PROTECT
- (N14) STEP, PER OWNER
- (N15) RAILING, PER CODE DESIGN BY OTHERS
- (N16) RETAIN AND PROTECT ORIGINAL COLUMNS AND FOOTINGS



4.1 SECTION A
SCALE: AS SHOWN

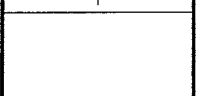


4.2 SECTION B
SCALE: AS SHOWN



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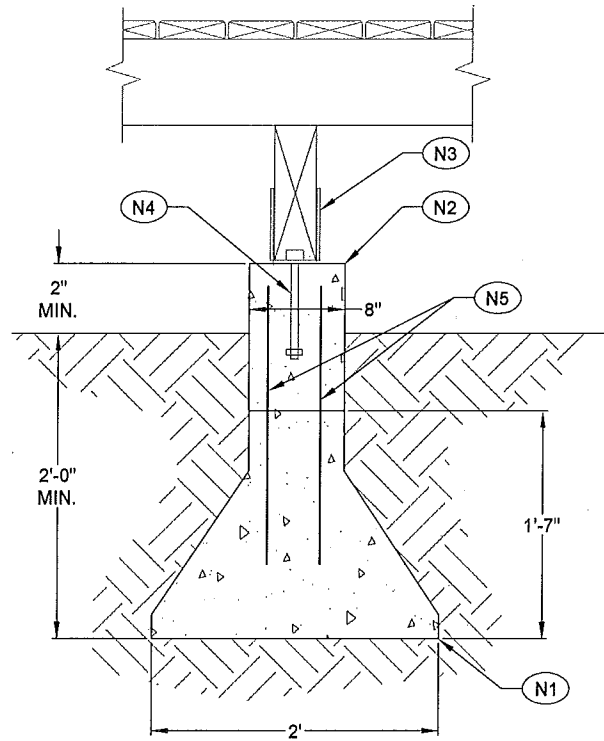
SHEET TITLE: FOUNDATION & FLOOR PLANS
SECTION VIEWS
PROJECT: WESTWOOD VILLAGE DECK STRUCTURAL DESIGN
BONNER COUNTY, IDAHO

DATE: 10-19-15
SCALE: AS SHOWN
DESIGNED: JPJ/HCO
DRAWN: HCO
CHECKED: JPJ
PRJ NO: 23155-15-001
CAD FILE: WESTWOOD DECK

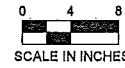
SHEET 2 OF 3

- (N1) 24" DIA. CONCRETE FOOTING FORMED WITH BF24 BIGFOOT FORM
- (N2) 8" DIA. SONOTUBE FOOTING PEDESTAL
- (N3) BEAM TO FOOTING CONNECTION CENTERED ON 8" PEDESTAL SEE DETAIL 2.2, THIS SHEET
- (N4) 5/8" DIA. x 8" LONG ANCHOR BOLT CAST INTO CENTER OF 8" DIA. PEDESTAL OR SET WITH SIMPSON SET EPOXY
- (N5) (2) #4 REBAR

NOTE: AS AN ALTERNATE TO 24" DIA. BIGFOOT FORMS, 24"x24"x10" FOOTINGS CAN BE INSTALLED FOOTINGS SHALL BE REINFORCED WITH (3) #4 BARS EACH WAY.



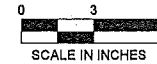
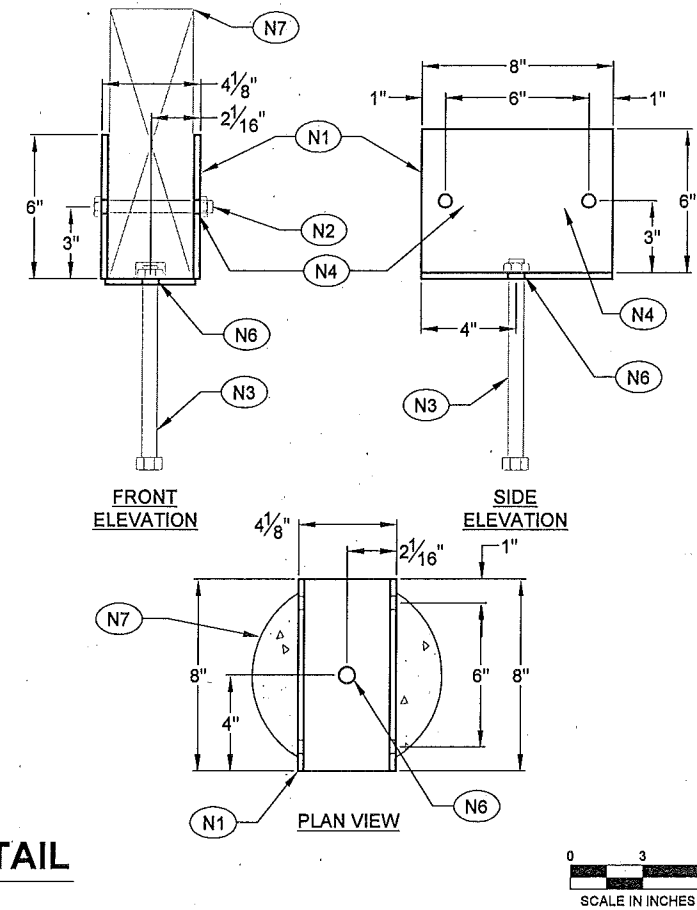
2.1 FOUNDATION DETAIL
SCALE: AS SHOWN



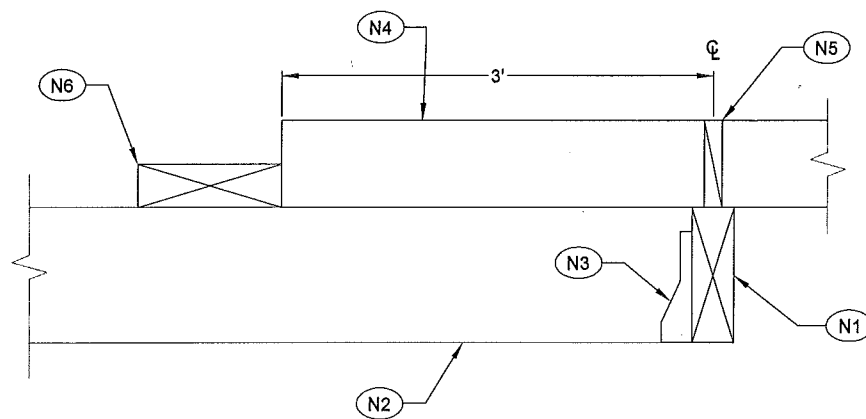
- (N1) 8" LONG x 6" TALL x 4 1/8" WIDE SADDLE FABRICATED FROM 1/4" THICK STEEL
- (N2) 1/2" DIA. THREADED BOLT
- (N3) 5/8" DIA. x 8" LONG ANCHOR BOLT CAST INTO CONCRETE PEDESTAL OR SET WITH SIMPSON SET EPOXY
- (N4) 9/16" DIA. HOLE FOR 1/2" DIA. BOLT
- (N5) 1 1/16" DIA. HOLE FOR 5/8" DIA. BOLT
- (N6) 4 x 12 PT HEM-FIR BEAM COUNTERSINK HOLE IN BOTTOM OF BEAM FOR 5/8" THREADED ROD AND BOLT
- (N7) 8" DIA. CONCRETE PEDESTAL

NOTE: IF DESIRED, THE CONTRACTOR CAN PROPOSE ALTERNATE CONNECTION DETAIL TO ENGINEER FOR APPROVAL.

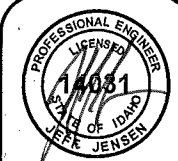
2.2 STEEL FABRICATION DETAIL
SCALE: AS SHOWN



- (N1) 4 x 12 PT HEM-FIR BEAM
- (N2) 4 x 12 PT HEM-FIR JOISTS AT 16" O.C.
- (N3) SIMPSON LUS410 FACE MOUNT HANGER, TYP.
- (N4) 2 x 8 PT HEM-FIR JOISTS AT 16" O.C.
- (N5) FULL DEPTH BLOCKING AT SUPPORTS
- (N6) STEP, PER OWNER



4.1 DECK JOIST TO DECK BEAM CONNECTION DETAIL
SCALE: AS SHOWN



10-20-15

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SHEET TITLE: DETAILS
PROJECT: WESTWOOD VILLAGE DECK STRUCTURAL DESIGN
BONNER COUNTY, IDAHO

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| DATE: | 10-19-15 |
| SCALE: | AS SHOWN |
| DESIGNED: | JPJ/HCO |
| DRAWN: | HCO |
| CHECKED: | JPJ |
| PROJ NO: | 23155-15-001 |
| CAD FILE: | E-WESTWOOD DECK |