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| 109 WASHINGTON STREET KEENE, NH 03431 OFFICE (603) 499-8964 | 150 HIMMELEIN RD MEDFORD, NJ 08055 CELL: (609) 969-1926 |
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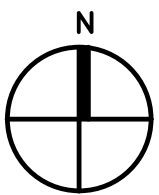
**200 CENTURY PARKWAY, SUITE B
MT. LAUREL, NJ 08054
TEL 856-722-6700
FAX 856-722-0175**

**NEW JERSEY BOARD OF PROFESSIONAL ENGINEERS
AND LAND SURVEYORS
CERTIFICATE OF AUTHORIZATION 26CA27187501**

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MASSACHUSETTS, MICHIGAN, NEW JERSEY,
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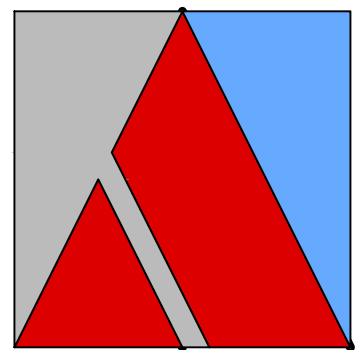
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FRAMING PLAN

SCALE: $3/8"=1'-0"$



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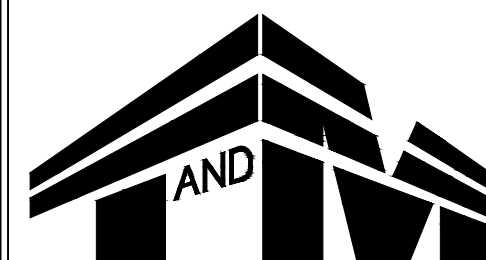
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TOWNSHIP OF EVESHAM

ELEVATED WOOD PLATFORM
EVESORO DOWNS PARK, EVESORO MEDFORD ROAD
TOWNSHIP OF EVESHAM, BURLINGTON COUNTY, NEW JERSEY

FRAMING PLAN



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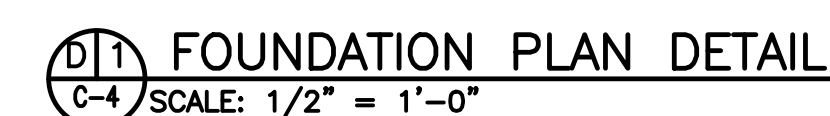
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ROBERT E. HUNTER III, P.E.
VICE PRESIDENT, OPERATIONS MANAGER

LICENSED PROFESSIONAL ENGINEER
STATE OF NJ LICENSE No. 24GE04670200



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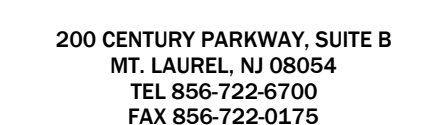
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TOWNSHIP OF EVESHAM

ELEVATED WOOD PLATFORM
EVESBORO DOWNS PARK, EVESBORO MEDFORD ROAD
TOWNSHIP OF EVESHAM, BURLINGTON COUNTY, NEW JERSEY

STRUCTURAL DETAILS



NEW JERSEY BOARD OF PROFESSIONAL ENGINEERS
AND LAND SURVEYORS
CERTIFICATE OF AUTHORIZATION 24GA27987500

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PROJECT INFORMATION:
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FILE NAME: EVES00023_STR.dwg
LAST SAVED DATE AND TIME: 01 Jun 2021, 7:05AM
LAST SAVE BY: JHaar

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1. CONTRACTOR SHALL PREPARE AND SUBMIT A SCHEDULE OF STRUCTURAL SUBMITTALS. SUBMITTALS SHALL BE LISTED IN CHRONOLOGICAL ORDER BY DATES REQUIRED FOR CONSTRUCTION. ESTABLISH REVIEW DATES BASED ON TIME REQUIRED FOR REVIEW, ORDERING, FABRICATION AND DELIVERY OF MATERIALS. SCHEDULE SHALL INCLUDE ADDITIONAL TIME FOR ADDITIONAL REVIEWS OF SUBMITTALS WHEN CORRECTIONS OR REVISIONS ARE REQUIRED.
2. PREPARE SUBMITTALS INTO SEPARATE PDF PACKAGES, INCORPORATING COMPLETE INFORMATION INTO EACH PDF FILE. RED-LINED REVIEW PDF FILES WILL BE RETURNED.
3. USE OF THE CONTRACT DOCUMENTS AS SHOP DRAWINGS IS PROHIBITED. THE FABRICATOR/DETAILER/SUPPLIER SHALL PREPARE THEIR OWN SHOP DRAWINGS.
4. ALLOW A MINIMUM OF 10 BUSINESS DAYS FOR REVIEW OF EACH SUBMITTAL AND RE-SUBMITTAL.
5. SHOP DRAWING SUBMITTALS SHALL BE PROPORTIONED INTO REASONABLY-SIZED PACKAGES, CONTAINING NOT MORE THAN 100 SHEETS PER SUBMITTAL, UNLESS APPROVED BY THE ENGINEER IN WRITING, PRIOR TO SUBMISSION.

1. ALL TIMBER AND TIMBER CONSTRUCTION SHALL COMPLY WITH THE AMERICAN WOOD COUNCIL (AWC) NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION WITH THE NDS SUPPLEMENT. PRESERVATIVE TREATMENT SHALL BE IN CONFORMANCE WITH THE AMERICAN WOOD PROTECTION ASSOCIATION (AWPA).
2. ALL STRUCTURAL TIMBER SHALL BE PRESERVATIVE-TREATED SOUTHERN PINE NO. 2, WITH THE MINIMUM ALLOWABLE PROPERTIES AS FOLLOWS:

$F_b = 750 \text{ PSI}$
 $F_v = 175 \text{ PSI}$
 $E = 1,400,000 \text{ PSI}$

1. ALL HANDRAILS AND GUARDRAILS SHALL BE 1 1/2" DIAMETER SCHEDULE 40 ALUMINUM PIPE WITH ALL JOINTS NEATLY GROUND SMOOTH.
2. PROVIDE STAIR HANDRAILS 36" HIGH WITH MIDRAIL AS DIMENSIONED ON PLAN.
3. PROVIDE RAMP HANDRAILS 36" HIGH WITH MIDRAIL AND BOTTOM RAIL 3 1/2" ABOVE RAMP AS DIMENSIONED ON PLAN.
4. PROVIDE GUARDRAILS 42" HIGH WITH 1" DIAMETER PICKETS AT 4" O.C. ALL POSTS SHALL BE MAXIMUM 6' O.C.
5. CONCRETE POST ANCHOR DETAILS SHALL INCLUDE CORE DRILLING 3" DIAMETER x 4" DEEP POST. SET POST AND FILL ANNULAR SPACE WITH NON SHRINK AND NON-EXPANDING GROUT.
6. PROVIDE DETAILED SHOP DRAWINGS FOR ENGINEERS REVIEW AND APPROVAL OF ALL PIPING AND CONNECTIONS AND WOOD STRUCTURAL ANCHOR DETAILS FOR REVIEW AND APPROVAL.

1. ALL CONCRETE WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" (ACI 318), THE ACI DETAILING MANUAL (ACI 315), AND THE SPECIFICATIONS FOR STRUCTURAL CONCRETE (ACI 301).
2. ALL CONCRETE SHALL BE NORMAL WEIGHT, READY-MIX CONCRETE AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4500 PSI AT 28 DAYS, WITH A MAXIMUM WATER CEMENT RATIO OF 0.45 BY WEIGHT. CEMENT SHALL CONFORM TO ASTM C150, TYPE I, WITH A MAXIMUM AGGREGATE SIZE OF 3/4 INCH, CONFORMING TO ASTM C33. SLUMP AT POINT OF CONCRETE PLACEMENT SHALL BE THREE (3) INCH MINIMUM AND SIX (6) INCH MAXIMUM. CONCRETE EXPOSED TO WEATHER SHALL HAVE 6 PERCENT AIR ENTRAINMENT.
3. SUBMIT CONCRETE MIX DESIGNS AND ASSOCIATED PRODUCT DATA, IN ACCORDANCE WITH ACI 301, TO THE STRUCTURAL ENGINEER FOR REVIEW, A MINIMUM OF TWO WEEKS PRIOR TO CONCRETE PLACEMENT. CONCRETE MIX DESIGN SUBMITTAL SHALL INCLUDE, BUT NOT BE LIMITED TO, COMPRESSIVE STRENGTH TEST RESULTS, UNIT WEIGHT AND MIX PROPORTIONS. PRODUCT DATA SUBMITTAL SHALL INCLUDE, BUT NOT BE LIMITED TO, CEMENT MILL TEST CERTIFICATE, AGGREGATE GRADATION, ADMIXTURE MANUFACTURER DATA SHEETS AND COMPATIBILITY LETTER. ADMIXTURES SHALL BE FROM A SINGLE SOURCE MANUFACTURER.
4. TESTING OF COMPOSITE SAMPLES OF CONCRETE SHALL BE PERFORMED AT THE FREQUENCY INDICATED IN ACI 318, PER ASTM C172. CAST AND LABORATORY CURE, PER ASTM C31, ONE SET OF FOUR STANDARD CYLINDER SPECIMENS FOR EACH COMPOSITE SAMPLE. PERFORM COMPRESSIVE STRENGTH TESTS, PER ASTM C39, FOR TWO LABORATORY-CURED SPECIMENS AT SEVEN DAYS AND TWO SPECIMENS AT 28 DAYS. OWNER TO RETAIN INDEPENDENT TESTING AND INSPECTION AGENCY. TEST CONCRETE SLUMP PER ASTM C143 AND AIR CONTENT PER ASTM C231. SUBMIT CONCRETE TEST REPORTS TO THE ENGINEER FOR RECORD.
5. ALL REINFORCING STEEL SHALL BE MANUFACTURED FROM HIGH STRENGTH BILLET STEEL CONFORMING TO ASTM A615 GRADE 60. WELDED WIRE REINFORCEMENT SHALL COMPLY WITH ASTM A1064 (FORMERLY ASTM A185).
6. LAP SPLICE LENGTH FOR #6 BARS AND SMALLER SHALL BE A MINIMUM OF 48 BAR DIAMETERS, UNLESS OTHERWISE NOTED. LAP ALL BARS LARGER THAN #6 WITH A CLASS B TENSION LAP SPLICE. LAP ALL WELDED WIRE REINFORCING A MINIMUM OF TWO (2) FULL WIRE SPACES AND WIRE TOGETHER.
7. SUBMIT REINFORCING STEEL SHOP DRAWINGS TO THE STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL PRIOR TO PLACING ANY CONCRETE. PLACING OF CONCRETE SHALL NOT COMMENCE UNTIL PLACEMENT OF REINFORCING HAS BEEN INSPECTED AND APPROVED BY THE TESTING AND INSPECTION AGENCY.
8. CHAMFER ALL EXPOSED CONCRETE CORNERS UNLESS OTHERWISE NOTED.
9. GUARD AGAINST EARLY DRYING OUT OF CONCRETE, ESPECIALLY IN THE FIRST 24 HOURS. ALL SURFACES SHALL BE MOIST-CURED OR PROTECTED USING A MEMBRANE CURING AGENT, APPLIED AS SOON AS FORMS ARE REMOVED. IF MEMBRANE CURING AGENT IS USED, EXERCISE CARE NOT TO DAMAGE COATING.
10. COLD WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 306R. HOT WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 305R.

1. PERFORM ALL SITE PREPARATION AND EXCAVATION WORK IN STRICT ACCORDANCE WITH THE SOIL AND FOUNDATION ENGINEERING REPORT PREPARED BY UNDERWOOD ENGINEERING COMPANY, REPORT NUMBER 4785-2019-1, DATED APRIL 1, 2021.
2. EXCAVATE THE BUILDING SITE TO THE DEPTH AND EXTENT INDICATED IN THE SOILS REPORT. ALL SUBGRADE SHALL BE APPROVED IN WRITING BY THE SOILS ENGINEER PRIOR TO BACKFILLING.
3. BOTTOM OF FOOTINGS SHALL BEAR ON SOIL CAPABLE OF SAFELY SUPPORTING 3000 POUNDS PER SQUARE FOOT. FOUNDATIONS BEARING ON SOIL EXPOSED TO OUTSIDE AMBIENT AIR TEMPERATURES SHALL EXTEND A MINIMUM OF 5'-0" BELOW GRADE.
4. BOTTOM OF ALL FOOTINGS MUST BE INSPECTED AND APPROVED BY A LICENSED PROFESSIONAL ENGINEER OR QUALIFIED TECHNICAL ENGINEER IMMEDIATELY BEFORE PLACING ANY CONCRETE. APPROVAL IN WRITING MUST INDICATE THE SOIL IS ADEQUATE TO SAFELY SUSTAIN SPECIFIED SOIL BEARING PRESSURE.
5. CONCRETE FOOTINGS AND FOUNDATIONS SHALL BE CONSTRUCTED WITH WOOD FORMS OR OTHER APPROVED FORM MATERIALS. EARTH FORMS ARE NOT PERMITTED.
6. UTILITY LINES SHALL NOT BE PLACED THROUGH OR BELOW FOUNDATIONS WITHOUT APPROVAL IN WRITING FROM THE STRUCTURAL ENGINEER.
7. THE CONTRACTOR SHALL OBSERVE WATER CONDITIONS AT THE SITE AND TAKE THE NECESSARY PRECAUTIONS TO ENSURE THAT THE FOUNDATION EXCAVATIONS REMAIN DRY DURING CONSTRUCTION. ANY SHEETING OR SHORING REQUIRED FOR DEWATERING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

- THE 2018 NEW JERSEY EDITION OF THE INTERNATIONAL BUILDING CODE, AND THE LATEST EDITION OF THE UNIFORM CONSTRUCTION CODE AND BARRIER FREE SUBCHAPTER 7 AT THE TIME OF CONSTRUCTION SHALL ESTABLISH THE CRITERIA FOR ALL DESIGN AND CONSTRUCTION.
2. DO NOT SCALE THESE DRAWINGS FOR EXACT DIMENSIONS. VERIFY ALL FIGURES, CONDITIONS, DIMENSIONS, ETC. AT THE JOB SITE.
3. THE CONTRACTOR SHALL SECURE THE BUILDING PERMITS AND ALL OTHER PERMITS AND GOVERNMENTAL FEES, LICENSES AND INSPECTIONS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK WHICH ARE CUSTOMARILY SECURED AFTER EXECUTION OF THE CONTRACT. SUBMIT COPIES OF PERMITS TO THE OWNER, PRIOR TO THE START OF THE WORK.
4. THE CONTRACTOR IS ADVISED THAT THE PARK WILL BE OCCUPIED DURING CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE THE NECESSARY SAFETY MEASURES INCLUDING WARNING SIGNAGE, BARRICADES, CAUTION TAPE AND FLAG PERSONNEL AS REQUIRED TO ENSURE THE SAFETY OF ALL INDIVIDUALS ON SITE FROM CONSTRUCTION ACTIVITIES.
5. THE CONTRACTOR IS RESPONSIBLE TO PROMPTLY AND LEGALLY DISPOSE OF ALL REMOVED MATERIALS.
6. ALL WORK SHALL CONFORM TO THE 2018 INTERNATIONAL BUILDING CODE, NEW JERSEY EDITION, AND ASCE/SEI 7-16 "MINIMUM DESIGN LOADS AND ASSOCIATED CRITERIA FOR BUILDINGS AND OTHER STRUCTURES".
7. ALL CONSTRUCTION WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL NATIONALLY ACCEPTED SAFETY PRACTICES, APPLICABLE SAFETY CODES AND ANY OTHER PARTIES THAT MAY HAVE JURISDICTION OVER SAFETY.
8. NO STRUCTURAL MEMBERS (BEAMS, JOISTS, GIRDERS, BEARING WALLS, SLABS, DECKS, COLUMNS, BRIDGING, BRACING, ETC.) SHALL BE CUT OR ALTERED UNLESS SPECIFICALLY NOTED ON THE STRUCTURAL DRAWINGS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS, CONSTRUCTION TECHNIQUES, SEQUENCE OF CONSTRUCTION, ETC. TO ENSURE THE SAFETY OF HIS EMPLOYEES AND THE GENERAL PUBLIC AT ALL TIMES. JOBSITE SAFETY AND CONSTRUCTION PROCEDURES ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
10. CONTRACTOR SHALL VERIFY AND/OR ESTABLISH ALL EXISTING CONDITIONS AND DIMENSIONS AT THE SITE BEFORE ORDERING ANY MATERIAL OR COMMENCEMENT OF ANY WORK. CONTRACTOR IS SOLELY RESPONSIBLE FOR SURVEYING AND VERIFICATION OF EXISTING CONDITIONS, INCLUDING BUT NOT LIMITED TO THE LOCATIONS, ELEVATIONS AND DIMENSIONS OF EXISTING WALLS AND STRUCTURAL MEMBERS.
11. CONTRACTOR SHALL COORDINATE ALL RELATED TRADE ACTIVITY REGARDING SHUT-DOWNS, RE-ROUTING, TEMPORARY INSTALLATION, ETC. WITH THE OWNER'S REPRESENTATIVE.
12. IF THE EXISTING FIELD CONDITIONS DO NOT PERMIT THE INSTALLATION OF WORK IN ACCORDANCE WITH THE DETAILS SHOWN, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER IMMEDIATELY AND PROVIDE A SKETCH OF THE CONDITION WITH HIS PROPOSED MODIFICATION TO THE DETAILS SHOWN ON THE CONTRACT DOCUMENTS. DO NOT COMMENCE WORK UNTIL CONDITION IS RESOLVED AND MODIFICATION IS APPROVED IN WRITING BY THE ARCHITECT/ENGINEER.
13. SHOP DRAWINGS FOR ALL STRUCTURAL MATERIALS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO THE START OF FABRICATION AND COMMENCEMENT OF WORK. SHOP DRAWINGS SHALL BEAR THE CONTRACTOR'S STAMP OF APPROVAL WHICH SHALL CONSTITUTE CERTIFICATION THAT THE CONTRACTOR HAS VERIFIED ALL CONSTRUCTION CRITERIA, MATERIALS AND SIMILAR DATA, AND HAS CHECKED EACH DRAWING FOR COMPLETENESS, COORDINATION AND COMPLIANCE WITH THE CONTRACT DOCUMENTS.
14. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT PROPER STORAGE OF MATERIAL IS MAINTAINED SO AS NOT TO CAUSE OVERLOADING OF THE EXISTING STRUCTURE OR NEW STRUCTURE DURING PERFORMANCE OF THIS WORK. ALL MATERIALS SHALL BE STORED TO PROTECT THEM FROM EXPOSURE TO THE ELEMENTS.
15. ALL COSTS OF INVESTIGATION AND/OR REDESIGN DUE TO CONTRACTOR REMOVAL OR INSTALLATION OF STRUCTURAL ELEMENTS OR OTHER ITEMS NOT IN CONFORMANCE WITH THE CONTRACT DOCUMENTS SHALL BE AT THE CONTRACTOR'S EXPENSE.
16. PROVIDE 2" THICK, 3/4" STONE ON FILTER FABRIC BELOW ENTIRE DECK AREA.

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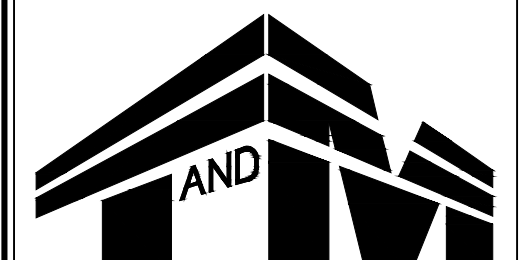
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STRUCTURAL NOTES



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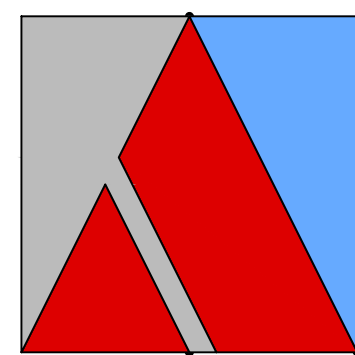
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