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### LOCATION PLAN

SCALE: N.T.S.

#### GENERAL NOTES:

##### GENERAL

- ALL STRUCTURAL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE IBC 2009 AND THE STATE OF RHODE ISLAND BUILDING CODE, LATEST EDITION.
- ALL STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ANY APPLICABLE SPECIFICATIONS, ARCHITECTURAL AND MECHANICAL DRAWINGS.
- ALL DIMENSIONS AND ELEVATIONS SHALL BE VERIFIED BY THE CONTRACTOR. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER ESTABLISHMENT AND VERIFICATIONS OF REFERENCE ELEVATIONS AT THE SITE. THE GENERAL CONTRACTOR SHALL COORDINATE AND BE RESPONSIBLE FOR THE APPROVED SIZE AND LOCATION OF ALL OPENINGS THROUGH ROOF, FLOORS AND WALLS.
- ALL SECTIONS AND DETAILS SHALL BE CONSIDERED TYPICAL AND APPLY FOR THE SAME AND SIMILAR CONDITIONS, UNLESS OTHERWISE SPECIFICALLY NOTED.
- CONTRACTOR SHALL FURNISH AND BE SOLELY RESPONSIBLE FOR ALL TEMPORARY BRACING AND SHORING REQUIRED TO MAINTAIN STABILITY OF THE STRUCTURE DURING CONSTRUCTION.
- DESIGN REFERENCE CODE=IBC 2009/ASCE 7-10

ROOF DESIGN LOADS  
SNOW LOAD-  $P_g=35\text{psf}$   
 $C_e=1.0$   
 $C_t=1.0$   
 $I_s=1.0$   
 $P_f=25\text{psf}$

WIND LOAD- BASIC WIND SPEED  $V=100\text{mph}$  (3 sec. gust)  
 $I_w=.87$  (Category 1)  
Exposure B  
Interior Pressure Coeff.-  $G_{cpi}=+/-0.18$

##### FOUNDATIONS

- ALL FOOTINGS SHALL REST ON UNDISTURBED SOIL HAVING A MINIMUM SAFE BEARING CAPACITY OF 2.0 TONS PER SQUARE FOOT. CONTRACTOR SHALL NOTIFY THE ENGINEER WHEN CONSTRUCTION IS TO BEGIN SO THAT SOIL BEARING CAPACITY CAN BE VERIFIED AND FOOTING ELEVATIONS ADJUSTED AS REQUIRED.
- BACKFILL WITH ACCEPTED MATERIALS ONLY. BACKFILLING UNDER SLABS, AROUND PIERS AND ON EACH SIDE OF FOUNDATION WALLS SHALL BE DONE IN LAYERS, NOT TO EXCEED 10"; COMPACTION SHALL BE 95% OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT.
- EXCAVATION SHALL BE PROTECTED FROM FROST IN COLD WEATHER.
- CONSTRUCTION JOINTS IN FOUNDATION WALLS SHALL BE SPACED NOT MORE THAN 60' O.C., OR 40' FROM CORNERS.
- CONCRETE WALLS SHALL BE TEMPORARILY BRACED AGAINST EARTH PRESSURE, WIND AND POSSIBLE LATERAL CONSTRUCTION LOADS UNTIL SLABS, BEAMS OR COLUMNS, DESIGNED TO LATEROALLY BRACE THE FINISHED STRUCTURE, HAVE BEEN PUT IN PLACE AND HAVE ATTAINED REQUIRED STRENGTHS. TAKE CARE NOT TO BACKFILL AGAINST WALLS UNTIL THEY ARE PROPERLY BRACED.

##### CONCRETE

- ALL STRUCTURAL CONCRETE SHALL BE CONTROLLED-STONE CONCRETE HAVING A MINIMUM STRENGTH AT 28 DAYS AS LISTED BELOW:  
A. CONCRETE PIERS, FOOTINGS, WALLS, SLAB ON GRADE - 3000PSI.
- ALL CONCRETE EXPOSED TO WEATHER, INCLUDING CONCRETE FOR EXGERIOR FOUNDATION WALLS, SHALL BE AIR ENTRAINED.
- ROD REINFORCEMENT SHALL BE IN ACCORDANCE WITH ASTM A615, GRADE 60 - TYPICALLY; ASTM A615, GRADE 40 - FOR TIES AND STIRRUPS.
- MESH REINFORCEMENT SHALL BE IN ACCORDANCE WITH A185 AND A82; MINIMUM YIELD STRESS = 70,000 PSI.
- ALL DETAILS, WORKMANSHIP AND PROCEDURES SHALL CONFORM TO AC318, AND OTHER APPLICABLE MINIMUM STANDARDS, EXCEPT AS OTHERWISE SHOWN ON DRAWINGS OR SPECIFIED.
- ALL BARS MARKED "CONT." (CONTINUOUS) SHALL BE LAPPED 40 BAR DIAMETERS AT SPLICES AND CORNERS AND ENDS SHALL BE HOOKED OR EXTENDED 2'-0" MINIMUM.
- REINFORCEMENT SHALL HAVE MINIMUM CONCRETE COVER AS FOLLOWS:  
A. CONCRETE DEPOSITED ON OR AGAINST GROUND, INCLUDING FOOTINGS: 3"  
B. CONCRETE TO BE EXPOSED TO WEATHER OR EARTH, INCLUDING WALKS, PIERS, WALLS, COLUMNS AND EXTERIOR SLABS: 2"  
C. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GORUND:  
SLABS, WALLS & JOISTS-  $\frac{3}{4}"$   
BEAMS, COLUMNS, TIES & STIRRUPS-  $1\frac{1}{2}"$
- CURING OF CONCRETE IS TO START AS SOON AS SURFACES WILL NOT BE MARRED BY FINISHING. IT WILL NOT BE PERMISSIBLE TO DELAY CURING UNTIL THE NEXT MORNING AFTER CONCRETE IS CAST.
- PROVIDE PROPER HIGH CHAIRS, SPACERS AND SUPPORTS TO HOLD REINFORCING AND WELDED WIRE FABRIC IN PLACE.
- PROVIDE ADEQUATE KEYS AND DOWLS AT ALL WALL INTERSECTIONS AND CONSTRUCTION JOINTS.
- HOOK DISCONTINUOUS ENDS OF ALL TOP REINFORCING BARS USING ACI "STANDARD" HOOKS, U.O.N.

##### STRUCTURAL STEEL

- MATERIAL: STEEL SHAPES, PLATES AND BARS - ASTM A36 ( $F_y=36\text{KSI}$ ).
- ALL STRUCTURAL STEEL MATERIAL, FABRICATION AND ERECTION SHALL COMPLY WITH THE REQUIREMENTS OF THE AISC STANDARD SPECIFICATIONS FOR STRUCTURAL STEEL, LATEST EDITION, AND WITH THE REQUIREMENTS OF THE STATE OF RHODE ISLAND BUILDING CODE, LATEST EDITION.
- ALL SHOP CONNECTIONS SHALL BE BOLTED OR WELDED.
- ALL FIELD CONNECTIONS SHALL BE BOLTED, UNLESS OTHERWISE NOTED ON PLANS.
- ALL BOLTS SHALL BE ASTM A-325 HIGH STRENGTH BOLTS,  $\frac{3}{4}"$  DIAMETER MINIMUM, UNLESS OTHERWISE NOTED ON DRAWINGS.
- ALL WELDING SHALL COMPLY WITH THE STANDARD CODE FOR ARC AND GAS WELDING IN BUILDING CONSTRUCTIONS OF THE AMERICAN WELDING SOCIETY. ALL WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS. ALL WELDERS SHALL BE APPROVED BY THE OWNER. USE E70XX SERIES ELECTRODES. MINIMUM FILLET WELD SIZE IS  $\frac{5}{16}"$ .
- BOLTS IN WOOD TO STEEL OR WOOD TO WOOD CONNECTIONS MAY BE ASTM A-307.

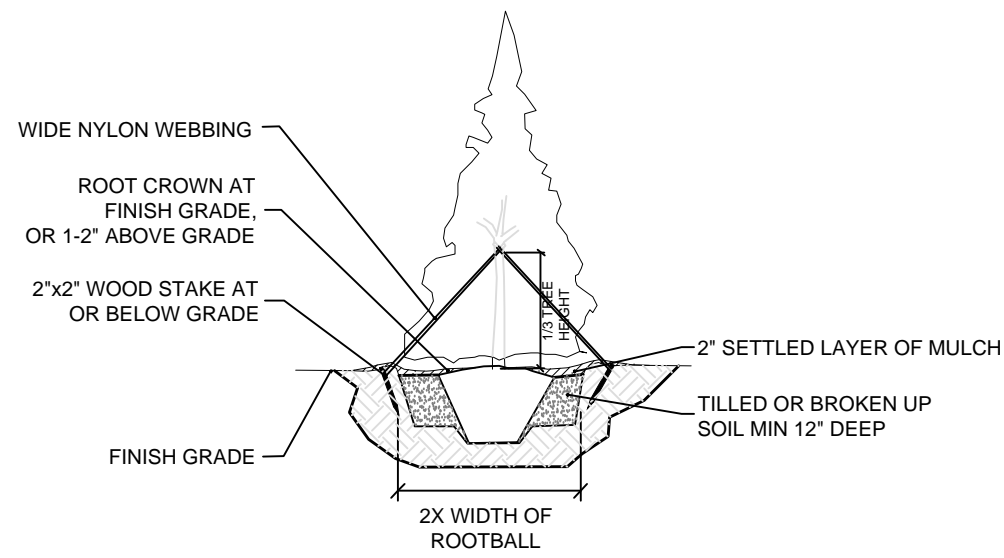
- PROVIDE LOOSE STEEL LINTELS AS LISTED BELOW OVER OPENINGS IN MASONRY WALLS, UNLESS OTHERWISE SHOWN ON DRAWINGS:  
OPENINGS UNDER 4'0" WIDE: L 4"x4"x4"  
OPENINGS 4'-0" TO 8'0" WIDE: L 4"x4"x4"  
PROVIDE ONE ANGLE FOR EACH 4" OF WALL THICKNESS. LENGTH=M.O.+16"

##### LIGHT GAGE STEEL FRAMING

- ALL COLD-FORMED STEEL STUDS, JOIST AND ACCESSORIES SHALL BE FORMED FORM STEEL THAT CONFORMS TO THE REQUIREMENTS OF ASTM A446, WITH A MINIMUM YIELD STRESS OF 50 KSI (GRADE D) FOR JOISTS; 33 KSI (GRADE A) FOR STUDS, TRACK, BRIDGING, END ENCLOSURES AND ACCESSORIES. PRODUCTS ARE TO BE BY DIETRICH METAL FRAMING, OR APPROVED OTHER MANUFACTURER. USE 18 GAGE MINIMUM THICKNESS, TYPICALLY.
- ALL STUDS, JOIST AND ACCESSORIES SHALL BE GALVANIZED WITH A G60 COATING, MINIMUM, IN ACCORDANCE WITH ASTM A525.
- CERTIFICATION OF MATERIALS BY THE MANUFACTURER SHALL BE SUBMITTED TO THE ARCHITECT FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS.
- WORK SHALL MEET THE MINIMUM REQUIREMENTS OF THE FOLLOWING STANDARDS:  
AIS - "DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS"  
AWS - "STRUCTURAL WELDING CODE"  
AISC - "MANUAL OF STEEL CONSTRUCTION"  
ASTM STANDARDS  
ANY PERTINENT STATE AND LOCAL CODES
- PROVIDE JOIST AND RAFTER BRIDGING IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE JOIST AND RAFTER WEB STIFFENERS AT SUPPORT POINTS, AND END BLOCKING WHERE JOIST OR RAFTER ENDS ARE NOT OTHERWISE RESTRAINED FORM ROTATION.
- PRIOR TO FRAMING FABRICATION, SUBMIT SHOP DRAWINGS TO ARCHITECT FOR APPROVAL.

##### LUMBER

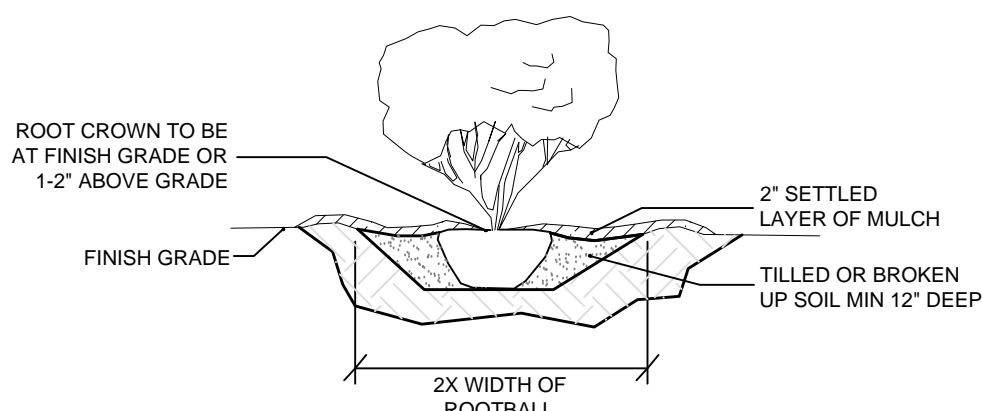
- ALL LUMBER TO BE SPRUCE/PINE/FIR NO. 2 OR BETTER, PROVIDING THE FOLLOWING, MINIMUM STRESS VALUES:  
EXTREME FIBER BENDING STRESS ( $F_b$ )=875 PSI  
HORIZONTAL SHEAR STRESS ( $F_v$ )=70 PSI  
COMPRESSION PERPENDICULAR TO GRAIN ( $F_c$  perpendicular)= 425 PSI  
TENSION PARALLEL TO GRAIN ( $F_t$ )= 450 PSI  
COMPRESSION PARALLEL TO GRAIN ( $F_c$ )= 725 PSI  
MODULUS OF ELASTICITY ( $E$ )= 1,300,000 PSI
- ALL FLUSH FRAMING IS TO BE SUPPORTED BY GALVANIZED METAL HANGERS. INSTALL ALL METAL HANGERS IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
- BOLTS FOR WOOD TO WOOD OR WOOD TO STEEL CONNECTIONS SHALL BE ASTM A307,  $\frac{1}{2}"$  DIAMETER, MINIMUM, UNLESS NOTED OTHERWISE ON PLANS.
- ALL LUMBER TO BE IN CONTACT WITH CONCRETE OR EARTH SHALL BE PRESSURE-TREATED WITH CCA PRESERVATIVE OR APPROVED OTHER WOOD PRESERVATIVE.
- ALL LAMINATED VENEER LUMBER (LVL) SHALL PROVIDE THE FOLLOWING MINIMUM ALLOWABLE STRESS VALUES:  
EXTREME FIBER BENDING STRESS ( $F_b$ )=2800 PSI  
HORIZONTAL SHEAR STRESS ( $F_v$ )=250 PSI  
COMPRESSION PERPENDICULAR TO GRAIN ( $F_c$ )= 2300 PSI  
TENSION PARALLEL TO GRAIN ( $F_t$ )= 2200 PSI  
COMPRESSION PARALLEL TO GRAIN ( $F_c$ )= 2200 PSI  
MODULUS OF ELASTICITY ( $E$ )= 2,000,000 PSI



2

### EVERGREEN TREE PLANTING

SCALE: N.T.S.



3

### TYPICAL SHRUB PLANTING

SCALE: N.T.S.

##### LANDSCAPING NOTES

- CONTRACTOR TO RESTORE ALL DISTURBED AND DAMAGED GRASSY AREAS TO ORIGINAL CONDITION OR BETTER. PROVIDE ADEQUATE AMOUNTS OF SCREENED LOAM, TOP QUALITY SOD AND GRASS SEED, LIME, FERTILIZER, ETC. PER DIRECTION OF VA PROJECT ENGINEER.
- CONTRACTOR SHALL SUPPLY AND INSTALL THE FOLLOWING:  
(12) TMUJA PLICATA- GIANT ARBORVITAE - 4' HEIGHT MIN.  
(10) J.M. FLIRIA AUREA - GOLD THREAD CYPRESS - 5 GAL. JUNIPER
- PRIOR TO ORDERING, THE CONTRACTOR SHALL CONFIRM ALL PLANT SPECIES AND SIZING WITH THE VA PROJECT ENGINEER.
- ADEQUATE PLASTIC WEED BLOCK (25 SQ. YRDS. MIN.), PINE BARK MULCH (20 CUBIC YRDS. MIN.), POLYMER GEL SOIL ADD MIX (25 LB. BAG MIN.), AND SLOW RELEASE FERTILIZER PACKETS (100 MIN.) FOR SHRUBS.
- NEW PLANTING LOCATIONS TO BE COORDINATED WITH THE VA PROJECT ENGINEER.



DEPARTMENT OF  
VETERANS AFFAIRS

NEW HOTHOUSE  
VETERANS AFFAIRS MEDICAL  
CENTER  
PROVIDENCE, RI

LOCATION PLAN & NOTES

SHEET  
IDENTIFICATION  
S-001

DESIGNED BY: DATE: 11/11/2011  
OWNER: GPO BY: 11/11/2011  
SUBMITTED BY: CONTRACT NO.:  
PROJECT NO.: 11/11/2011  
SHEET NO.: 11/11/2011  
FILE NAME: 11/11/2011

DESCRIPTION: DATE: 11/11/2011  
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1  
S-003

SCALE: 1"=1/2"

2  
S-003

SCALE: 1' = 1"

3  
S-003

SCALE: 1"=1"

4  
S-003

SCALE: 1"=1'

5  
S-003

SCALE: NTS

NOTES:

1. FOR GENERAL NOTES SEE SHEET 1.