

GENERAL NOTES

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO PERMIT SAFE PASSAGE OF THE PUBLIC ADJACENT TO THE WORK AREAS.
- THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL AND LOCAL SAFETY REQUIREMENTS. THE CONTRACTOR SHALL BE COMPLETELY RESPONSIBLE FOR THE SAFETY OF ADJACENT PORTIONS OF THE BUILDING, ADJACENT PROPERTY, AND THE PUBLIC. THIS INCLUDES, BUT IS NOT LIMITED TO, PROVIDING AND MAINTAINING BOTH SIGNAGE AND FENCING THROUGHOUT THE DURATION OF THE PROJECT.
- THE STRUCTURAL DESIGN OF THESE REPAIRS IS BASED ON THE FULL INTERACTION OF ALL CONNECTED COMPONENTS. NO PROVISIONS HAVE BEEN MADE FOR ANY TEMPORARY CONDITIONS THAT MAY ARISE DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATE DESIGN AND CONSTRUCTION OF ALL FORMS, SHORING, AND TEMPORARY BRACING DURING THE PROGRESS OF THE PROJECT.
- THE CONTRACTOR MUST HAVE A FULL-TIME SUPERINTENDENT ON SITE DURING CONSTRUCTION.
- WORK NOT INDICATED ON A PART OF THE DRAWINGS BUT REASONABLY IMPLIED TO BE SIMILAR TO THAT SHOWN AT CORRESPONDING PLACES SHALL BE INCLUDED.
- THE CONTRACTOR SHALL, PRIOR TO WORK, REVIEW WITH ENGINEER AND OWNER ALL ASPECTS OF SITE ACCESS, WORK SCHEDULE, AND COORDINATION WITH OTHERS TO ENSURE SMOOTH PROJECT FLOW.
- NOTIFY OWNER AND ENGINEER OF ANY DISCREPANCIES BETWEEN THE DRAWINGS AND EXISTING CONDITIONS THAT MAY AFFECT THE WORK.
- THE INSTALLATION AND OR REMOVAL OF PROPOSED MATERIALS SHALL NOT DAMAGE EXISTING COMPONENTS.
- ANY MODIFICATION OR ALTERATION OF THESE CONSTRUCTION DOCUMENTS OR CHANGES IN CONSTRUCTION FROM THE INTENT OF THESE DRAWINGS BY THE CONTRACTOR WITHOUT WRITTEN APPROVAL OF THE ENGINEER SHALL REMOVE ALL PROFESSIONAL AND LIABILITY RESPONSIBILITY OF THE ENGINEER.
- ALL CONTRACTORS ARE REQUIRED TO EXAMINE THE DRAWINGS AND SPECIFICATIONS CAREFULLY. VISIT THE SITE. FAILURE TO VISIT THE SITE AND FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS AND LIMITATIONS WILL IN NO WAY RELIEVE THE SUCCESSFUL BIDDER FROM FURNISHING ANY MATERIALS OR PERFORMING ANY WORK IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS. INCORRECT WORK SHALL BE RECTIFIED BY THE GENERAL CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- THE SUCCESSFUL SUBCONTRACTORS WILL BE REQUIRED TO ATTEND A STRUCTURAL PRE-CONSTRUCTION CONFERENCE, HELD AT A DATE AND TIME DETERMINED BY THE OWNER.
- DO NOT SCALE FROM THE DRAWINGS.
- SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

GENERAL REQUIREMENTS

- COORDINATE CONSTRUCTION TO ENSURE EFFICIENT AND ORDERLY INSTALLATION OF EACH PART OF THE WORK.
- CONDUCT PROGRESS MEETINGS AT SITE AT WEEKLY INTERVALS OR AS NECESSARY. REQUIRE SUBCONTRACTOR ATTENDANCE AS REQUIRED FOR COORDINATION OF SITE ACTIVITIES.
- COORDINATE EACH SHOP DRAWING SUBMITTAL WITH FABRICATION, PURCHASING, DELIVERY, AND RELATED ACTIVITIES. SUBMIT THREE COPIES OF EACH SUBMITTAL. PROVIDE SPACE TO RECORD REVIEW AND APPROVAL MARKINGS BY OWNER/ENGINEER.
- IDENTIFY DEVIATIONS FROM CONTRACT DOCUMENTS ON SUBMITTALS. REVIEW EACH SUBMITTAL AND CHECK FOR COORDINATION WITH OTHER WORK AND FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS. MARK WITH APPROVAL STAMP BEFORE SUBMITTING TO OWNER/ENGINEER.
- SUBMIT SAMPLES FINISHED AS SPECIFIED AND PHYSICALLY IDENTICAL WITH PROPOSED MATERIAL OR PRODUCT. INCLUDE NAME OF MANUFACTURER AND PRODUCT NAME ON LABEL.
- DELIVER, STORE, AND HANDLE PRODUCTS USING MEANS AND METHODS THAT WILL PREVENT DAMAGE, DETERIORATION, AND LOSS, INCLUDING THEFT. COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
- SCHEDULE DELIVERY TO MINIMIZE LONG-TERM STORAGE AT PROJECT SITE AND TO PREVENT OVERCROWDING OF CONSTRUCTION SPACES. DELIVER PRODUCT IN MANUFACTURER'S ORIGINAL SEALED CONTAINER OR PACKAGING, COMPLETE WITH LABELS AND INSTRUCTIONS FOR HANDLING, STORING, UNPACKING, PROTECTING, AND INSTALLING.
- STORE PRODUCTS THAT ARE SUBJECT TO DAMAGE BY THE ELEMENTS UNDER COVER IN A WEATHERTIGHT ENCLOSURE ABOVE GROUND, WITH VENTILATION ADEQUATE TO PREVENT CONDENSATION.
- WHERE DRAWINGS SPECIFY A SINGLE PRODUCT OR MANUFACTURER, PROVIDE THE ITEM INDICATED THAT COMPLIES WITH REQUIREMENTS.

DESIGN CRITERIA USED FOR PROJECT

1. MAINE UNIFORM BUILDING AND ENERGY CODE, 2009 EDITION, WHICH REFERENCES THE INTERNATIONAL BUILDING CODE, 2009 EDITION; INCLUDING CONSIDERATION OF ASCE 7-05, "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES".

FLOOR LIVE LOADS: 40 psf FLOOR SPACES

WIND LOAD: PER IBC SECTION 1609.0/ASCE 7-05 CHAPTER 6

BASIC WIND SPEED, (3 SEC GUST) 90 mph
 IMPORTANCE FACTOR Iw 1.00
 EXPOSURE CATEGORY C
 BUILDING CLASSIFICATION II
 VELOCITY PRESSURE COEF. Kz 0.70
 TOPOGRAPHIC PRESSURE COEF Kzt 1.00
 DIRECTIONALITY FACTOR, Kd 0.85
 VELOCITY PRESSURE qz 15.32 psf

SNOW LOAD: PER IBC SECTION 1608:
 GROUND SNOW LOAD Pg 60 PSF (FIGURE 1608.2)
 TERRAIN CATEGORY EXPOSURE C (SECTION 1609.4)
 EXPOSURE FACTOR Ce 1.0 (TABLE 1608.3.1)
 THERMAL FACTOR Ct 1.1 (UNHEATED, 1608.3.2)
 IMPORTANCE FACTOR Is 1.0 (CATEGORY II, TABLE 1604.5)

FLAT ROOF SNOW LOAD 50.4 PSF
 DRIFTED SNOW LOADS AND DRIFT PER SECTION 7.6 OF ASCE 7-05

SEISMIC LOAD: IBC SECTION 1615.0; EARTHQUAKE DATA PER SECTION 1616.3:
 SEISMIC USE GROUP I
 OCCUPANCY IMPORTANCE FACTOR, Ie 1.0
 SHORT-PERIOD ACCELERATION Ss 0.304g
 1.0 SECOND ACCELERATION S1 0.069g
 SITE CLASSIFICATION SOIL TYPE B
 MAXIMUM CONSIDERED EQ. ACCEL. PARAMETER Fa 1.0
 MAXIMUM CONSIDERED EQ ACCEL. PARAMETER Fv 1.0
 SHORT PERIOD ACCELERATION (ASCE 9.4.1.2.4-1, Sms) 0.304g
 1.0 SECOND ACCELERATION (ASCE 9.4.1.2.4-2, Sm1) 0.069g
 SHORT PERIOD DESIGN SPECTRAL RESPONSE ACC. 0.203g
 1.0 SECOND DESIGN SPECTRAL RESPONSE ACC. 0.046g
 SEISMIC DESIGN CATEGORY BASED ON SHORT PERIOD RESPONSE: B
 SEISMIC DESIGN CATEGORY BASED ON 1-S PERIOD RESPONSE: A

ROUGH CARPENTRY MATERIALS

1. DIFFERING LUMBER AND COMPOSITE LUMBER MATERIALS ARE SPECIFIED AT VARIOUS LOCATIONS. MATERIAL GRADES SHALL CONFORM TO THE FOLLOWING SPECIES AND GRADES:

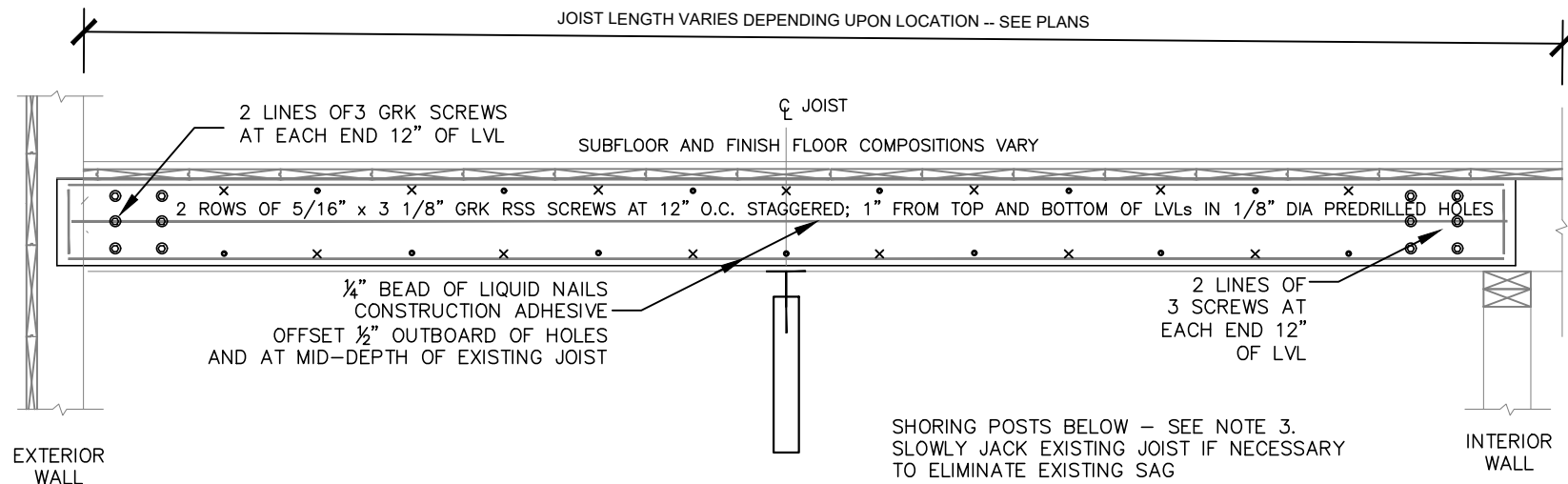
PERIMETER SILLS (WALL SILLS): PRESSURE-TREATED SOUTHERN YELLOW PINE, SUITABLE FOR GROUND CONTACT PLACED ON TOP OF CONCRETE.
EXPOSED FINISH TIMBERS: (EXPOSED EXTERIOR POSTS) PRESSURE-TREATED SOUTHERN YELLOW PINE.

PRESSURE-TREATED LUMBER: SOUTHERN YELLOW PINE NO. 1 GRADING

COMPOSITE LUMBER: VERSA-LAM BY BOISE-CASCADE, Fb=3,100 psi, E=2000ksi (INTERIOR FRAMING AS NOTED). ANTHONY POWER-PRESERVED BEAMS (FOR BASEMENT USE).

CONVENTIONAL LUMBER: SPF-s NO. 2 OR BETTER, KILN DRIED

- ALL LEDGER BOLTS EXTENDING THROUGH PRESSURE-TREATED LUMBER OR INTO MASONRY SHALL BE A316 STAINLESS STEEL.
- ALL LUMBER AND TIMBER FRAMING MATERIAL SHALL BE STORED IN A PROTECTED, DRY AREA OFF OF THE GROUND AND GROUND FLOOR SURFACES. STORE MATERIAL OUT OF DIRECT SUNLIGHT TO PREVENT DIFFERENTIAL DRYING AND WARPING.
- JOIST HANGERS SHALL BE MANUFACTURED BY SIMPSON STRONG-TIE, INC. ALL HANGERS SHALL BE STAINLESS STEEL OR Z-max FINISHED, ATTACHED WITH STAINLESS STEEL OR GALVANIZED 10d x 1 1/2" HANGER NAILS, INSTALLED IN PREDRILLED HOLES AS REQUIRED OR DIRECTED BY ENGINEER TO PREVENT SPLITTING OF EXISTING BRITTLE LUMBER. REFER TO PLAN SHEETS AND SCHEDULE FOR HANGERS, FINISHES, AND LOCATIONS.
- REFER TO STRUCTURAL DRAWINGS FOR APPROPRIATE SELF-DRIVING FASTENERS, EITHER MANUFACTURED BY FASTENMASTER, INC., SIMPSON STRONG TIE OR BY GRK, INC. INSTALL FASTENERS AS INDICATED ON DRAWINGS.
- THIS PROJECT INVOLVES WORK REPLACING EXISTING ROTTED WOOD FRAMING. BEFORE INSTALLING NON-PRESSURE TREATED FRAMING, SPRAY ALL ADJACENT AREAS OF BASEMENT AND ATTIC FRAMING AND MASONRY WITH A 1:1 SOLUTION OF BORA-CARE PLUS MOLD-CARE BY NISUS, INC. TO DISCOURAGE SPREAD OF MOLD SPORES TO NEW MATERIAL.
- DO NOT NOTCH JOISTS IN THE MIDDLE-THIRD OF THEIR SPANS, AND PROVIDE TAPERED CUTS AT ENDS OF JOISTS WHERE NOTED, TO PREVENT SPLITTING OF LUMBER AT STRESS CONCENTRATION POINTS.
- FLOOR SHEATHING SHALL BE ADVANTEK SHEATHING, IN THICKNESS INDICATED ON DRAWINGS. GLUE AND NAIL FLOOR DECKING TO SHEATHING AS NOTED. PROVIDE 1/8" SPACING BETWEEN SHORT ENDS OF PANELS AS REQUIRED BY MANUFACTURER.



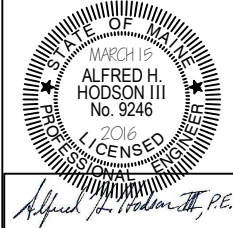
NOTES:

- x INDICATES FASTENER INSTALLED FROM OPPOSITE SIDE WHEN SISTERS ARE INSTALLED ON EACH SIDE
- o INDICATES FASTENER INSTALLED FROM SIDE VIEWED.
- CONSULT ENGINEER ABOUT POSSIBLE DETRIMENTAL EFFECTS OF SHORING OR JACKING EXISTING JOISTS WHEN JOISTS SUPPORT TILE FINISHES.
- STRAPPING, LATH, AND PLASTER FINISHES NOT SHOWN FOR CLARITY.

1 JOIST SISTERING DETAIL
 SCALE: NOT TO SCALE

SCATTERGOOD DESIGN
 architecture + planning

80 middle street
 portland, maine 04101
 207-775-6141
 scattergooddesign.com



Alfred H. Hodson III, P.E.

90 MORNING STREET, PORTLAND, ME

STRUCTURAL GENERAL NOTES

scale	title
date	18 MAR 2016
project #	1304
drawn by	AHH
checked by	AHH

S 0.0