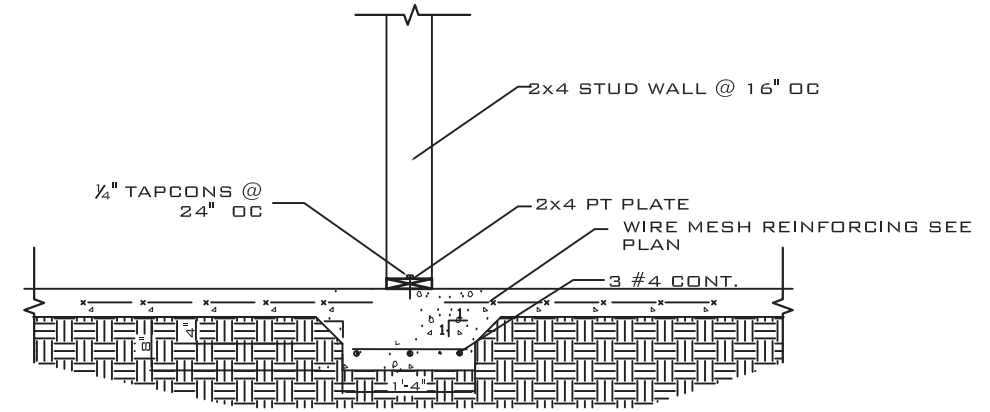


FOUNDATION PLAN

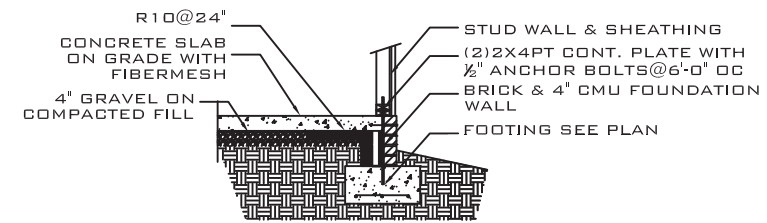
SCALE: $\frac{1}{8}'' = 1'-0''$

NOTE:

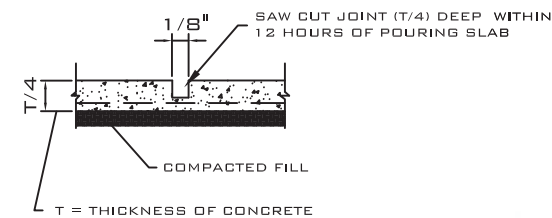
1. FLOOR LIVE LOAD 40 PSF
2. ROOF LIVE LOAD 20 PSF
3. WF1.8 - 1'-8" WX 10" D CONT. WALL FOOTING W/ 3 #4 OR 2 #5 CONT.
- WF1.4I - 1'-4" WX 12" D INTERIOR CONT. WALL FOOTING W/ 3 #4 OR 2 #5 CONT.
- WF2.0 - 24" WX 10" D W 3 #4 CONT.
4. CONCRETE: $f'_c = 3000$ PSI
5. SLAB ON GRADE: CONCRETE W/ FIBERMESH REINFORCING OR 6X6/W1.4XW1.4 WIRE OVER 6 MIL VAPOR BARRIER COMPACTED FILL
6. ASSUMED SOIL BEARING: 2000 PSF



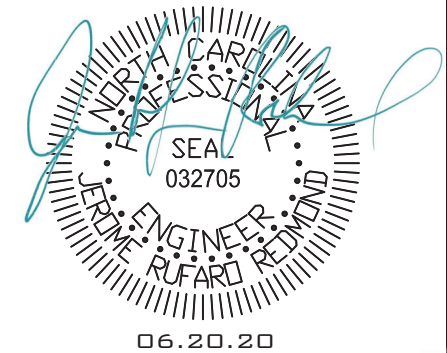
2 W1.4I - INTERIOR THICKENED SLAB
SCALE: NTS



1 TYPICAL FOUNDATION SECTION
SCALE: NTS



3 SAW-CUT DETAIL
SCALE: NOT TO SCALE



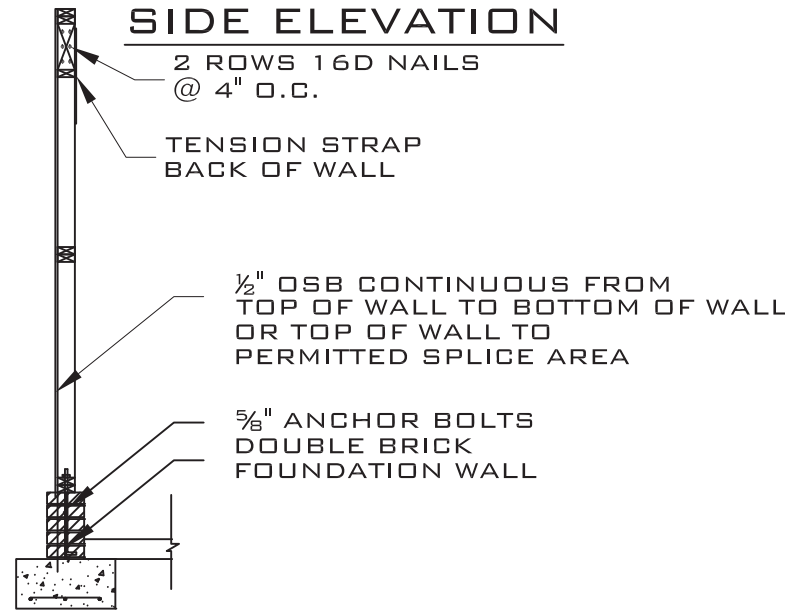
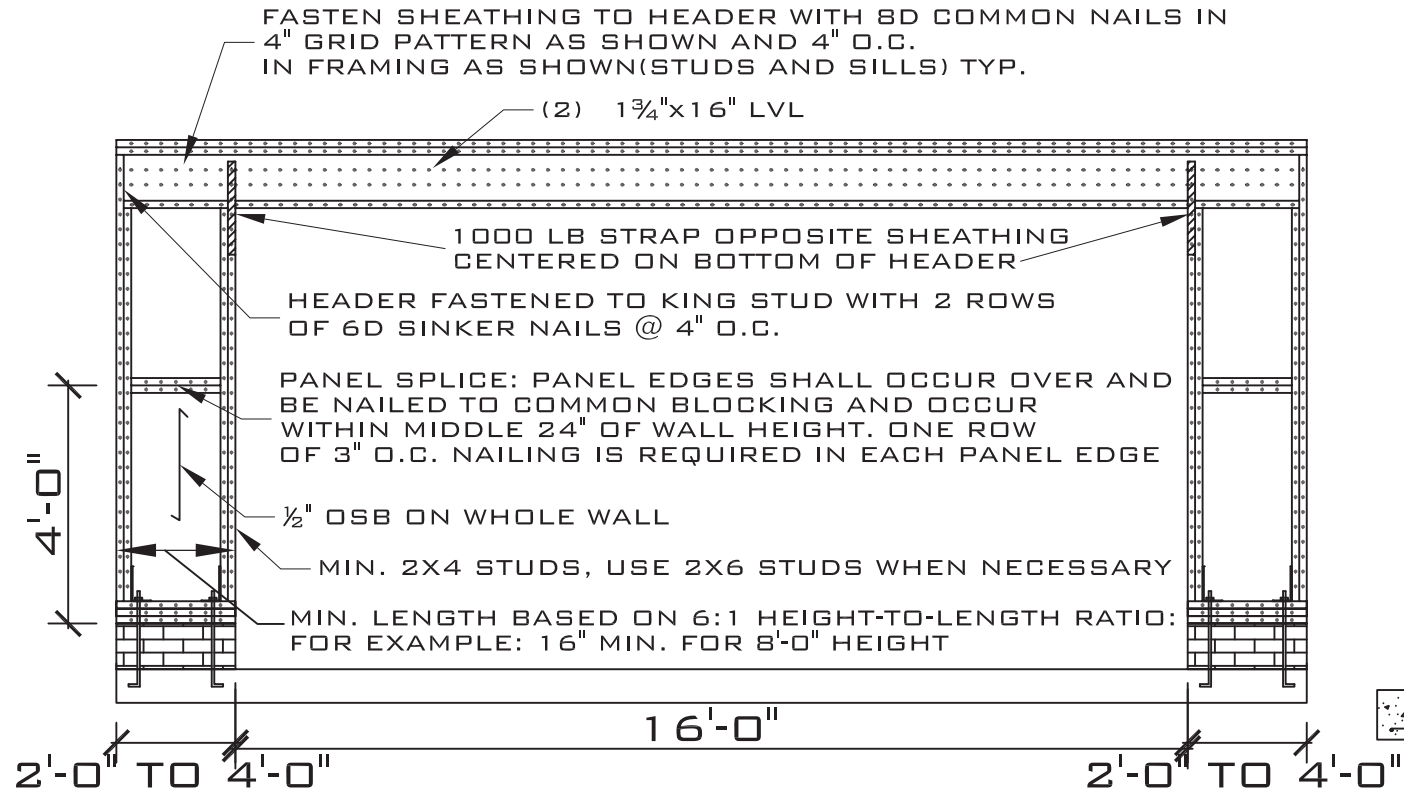
APPROVED FOR CONSTRUCTION BY
JEROME RUFARO REDMOND, PE
REGISTERED PROFESSIONAL ENGINEER
NO. 032705
EXPIRES 06/30/2024

SHEET NO:
S1

PROJECT NO: IN020178
DATE: 06.19.20 REV:
SCALE: AS SHOWN
DRAWN BY: JRR
CHECKED BY: JRR

PROJECT:
THE DAWSON PLAN
NCR 140 MPH
THE FISHER BUILDING
GROUP, INC.

JEROME RUFARO REDMOND, PE
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GARAGE PORTAL FRAME DETAIL

NOTE: FOR WIND SPEED OF 110 MPH OR LESS NAIL SPACING CAN BE INCREASED TO 6" OC

GENERAL NOTES:

GENERAL: ALL NOTES ARE FOR SUPPLEMENTING THE PLANS AND SPECIFICATIONS AND ARE IN NO WAY TO BE CONSIDERED AS EXCLUDING ANY ITEM IN THEM.

CONTRACTOR TO OBTAIN ALL MISC. UTILITIES AND UTILITY CLEARANCES AND EXCAVATION PERMITS.

CODE: DESIGN AND CONSTRUCTION TO BE IN ACCORD WITH THE 2018 NC RESIDENTIAL CODE (NRC) AND THE PARTICULAR CODES AS REFERENCED IN NRC.

DESIGN CRITERIA:
 FLOOR LIVE: 40 PSF
 ROOF LIVE: 20 PSF
 CEILING LIVE: 10 PSF
 WIND SPEED: 140 MPH

FOUNDATION:
 MATERIAL SATISFACTORY FOR CONTROLLED FILL AND BACKFILL MATERIAL AROUND AND ABOVE FOOTINGS SHALL INCLUDE CLEAN SOIL OR BANKRUN SAND AND GRAVEL (GW, GC, SC, SM, ML & CL), BUT EXCLUDE HIGHLY PLASTIC CLAYS (MH & CH) OR HIGH SHRINK SWELL SOILS. THE FILL MATERIALS SHALL BE FREE FROM TOPSOIL, ORGANIC CONTAMINATED SOIL AND ROCK FRAGMENTS HAVING A MAJOR DIMENSION GREATER THAN FOUR (4) INCHES, AND SHALL CONTAIN NO ICE OR SNOW.

FOOTINGS ARE DESIGNED FOR AN ASSUMED SOIL BEARING PRESSURE OF 2000 PSF.

CARE SHOULD BE TAKEN TO ASSURE THAT DURING PLACING OF CONCRETE FOOTINGS ON GRADE NO ORGANIC MATTER, SALTS, OR CLAYS ARE MIXED WITH THE CONCRETE.

CONCRETE: REINFORCED CONCRETE TO HAVE THE FOLLOWING COMPRESSIVE STRENGTH (F'c): 3000 PSI

EXPOSED CONCRETE SHALL BE AIR-ENTRAINED.

REINFORCING STEEL: ASTM A615 GRADE 60.

REINFORCING STEEL MARKED CONTINUOUS (CONT.) SHALL BE LAPPED 48 X BAR DIAMETER AT SPLICES. ALL REINFORCING STEEL SHALL BE HELD SECURELY IN PLACE TO PREVENT DISLOCATION DURING THE POURING OPERATION.

EXCEPT AS OTHERWISE SHOWN, MINIMUM PROTECTION (CONCRETE COVER) FOR REINFORCING STEEL SHALL BE AS FOLLOWS:

CONCRETE SURFACES EXPOSED TO SOIL:
 1 1/2" FOR SLABS
 3" FOR FOOTINGS

INTERIOR CONCRETE SURFACES:
 3/4" FOR SLABS

CONCRETE SURFACES EXPOSED TO WEATHER:
 1 1/2" FOR SLABS

WOOD: ALL WOOD TO BE SPRUCE PINE FIR (SPF) NO. 2 OR HIGHER. ALL FASTENERS AND HANGERS TO BE HOT DIPPED GALVANIZED (AT A MINIMUM). PRESERVATIVE PRESURE TREATMENT TO BE IN ACCORDANCE WITH AWPA STANDARD M4-06 & U1-07. MINIMUM PRESERVATION TREATMENTS:

POSTS: UC4A
 ALL OTHER WOOD MEMBERS: UC3B

LVL SPECS: Fb=2900 PSI Fv=285 PSI E=1,900,000 PSI

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SHEET NO:
52

PROJECT NO: IN020178
 DATE: 06.19.20 REV:
 SCALE: AS SHOWN
 DRAWN BY: JRR
 CHECKED BY: JRR

PROJECT:
 THE DAWSON PLAN
 NRC 140 MPH
 THE FISHER BUILDING
 GROUP, INC.

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