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STRUCTURAL NOTES:

- DESIGN CRITERIA:
1. BUILDING CODE: 2018 INTERNATIONAL BUILDING CODE
 2. VERTICAL LOADS: ROOF FLOOR
 SNOW LOAD 25 psf 40 psf
 LIVE LOAD 25 psf 15 psf
 DEAD LOAD 15 psf 12 psf
 3. SNOW DESIGN DATA (ASCE 7-16)
FLAT SNOW LOAD, P_f: 23.1 psf
SNOW EXPOSURE FACTOR, C_e: 1.0
SNOW IMPORTANCE FACTOR, I_s: 1.0
THERMAL FACTOR, C_t: 1.1
 4. WIND DESIGN DATA (ASCE 7-16)
WIND SPEED: V_{ult}=110 mph
RISK CATEGORY: II
EXPOSURE CATEGORY: B
 5. SEISMIC DESIGN DATA (ASCE 7-16)
SEISMIC FORCE RESISTING SYSTEM: WOOD SHEARWALLS
RISK CATEGORY: II
SEISMIC IMPORTANCE FACTOR, I_e: 1
MAPPED SPECTRAL RESPONSE ACCELERATION: S_s=1.6, S₁=0.6
DESIGN SPECTRAL RESPONSE ACCELERATION: S_{ds}=1.28, S_{d1}=0.68
SITE CLASS: D
SEISMIC DESIGN CATEGORY: D
SEISMIC RESPONSE COEFFICIENT, C_s: 0.197
RESPONSE MODIFICATION COEFFICIENT, R: 6.5
EQUIVALENT LATERAL FORCE PROCEDURE (ASCE 7 12.8.1)
DESIGN BASE SHEAR: _____k
 6. SOIL PROPERTIES
BEARING CAPACITY: 1,500 psf
LATERAL CAPACITY: 250 psf/ft

GENERAL:

1. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE CONTRACT DRAWINGS.
2. DURING THE CONSTRUCTION PERIOD THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE BUILDING. THE CONTRACTOR SHALL PROVIDE ADEQUATE SHORING, BRACING AND GUYS IN ACCORDANCE W/ ALL NATIONAL, STATE AND LOCAL SAFETY ORDINANCES. ANY DEVIATION MUST BE APPROVED PRIOR TO ERECTION.
3. ALL ERECTION PROCEDURES SHALL CONFORM TO OSHA STANDARDS. ANY DEVIATION MUST BE APPROVED BY OSHA PRIOR TO ERECTION.
4. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION PROCEDURES.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES AND SHALL CHECK ALL DIMENSIONS. ALL DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER AND BE RESOLVED BEFORE PROCEEDING WITH THE WORK.
6. DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED SUBJECT TO REVIEW BY THE ENGINEER.
7. ALL DETAILS DESIGNATED AS STANDARD OR TYPICAL SHALL OCCUR IN ADDITION TO ANY OTHER SPECIFIC DETAIL CALLED OUT.
8. ALL INFORMATION SHOWN ON THE DRAWINGS RELATIVE TO EXISTING CONDITIONS IS GIVEN AS THE BEST PRESENT KNOWLEDGE BUT WITHOUT GUARANTEE OR ACCURACY. WHERE ACTUAL CONDITIONS CONFLICT WITH THE DRAWINGS, THEY SHALL BE REPORTED TO THE ENGINEER SO THAT THE PROPER REVISIONS MAY BE MADE. MODIFICATIONS TO DETAILS OF CONSTRUCTION SHALL NOT BE MADE WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER.
9. FOR CONCRETE FOOTINGS:
FOOTING DEPTH TO BE MIN. 12" TO PREVIOUSLY UNDISTURBED SOIL OR UNDISTURBED FILL.
ALL EXTERIOR WALLS TO BE SUPPORTED ON CONTINUOUS FOOTINGS.
PIPE PENETRATIONS TO BE SLEEVED.

WOOD NOTES:

1. FRAMING LUMBER SHALL BE HEM-FIR NO. 2; AND HEM-FIR NO. 2 FOR ALL TOP AND BOTTOM PLATES (GRADES ARE TYPICAL UNLESS OTHERWISE NOTED ON PLANS). LUMBER TO BE GRADE MARKED PER WCLUB SPECIFICATIONS.
2. STRUCTURAL SHEATHING SHALL BE APA RATED PLYWOOD, EXPOSURE 1, SHEATHING CONFORMING TO EITHER COMMERCIAL STANDARDS P51-B3, APA FRP-108, OR VOLUNTARY PRODUCT STANDARD PSE-92, PROVIDE MINIMUM OF 3/8" EDGE DISTANCE ON ALL NAILS AND 1/8" EXPANSION JOINTS BETWEEN ALL PANEL EDGES. MINIMUM SHEATHING REQUIREMENTS ARE AS FOLLOWS:

ROOF SHEATHING TO BE 7/16" C-D INT-APA RATED PLYWOOD WITH EXTERIOR GLUE, P.I. 24/O (USE 5-PLY ROOF SHEATHING FOR PANELIZED ROOFS). NAILING 8d @ 6 INCHES ON CENTER AT PANEL EDGES AND 12 INCHES ON CENTER AT INTERMEDIATE SUPPORTS.

SUB FLOORING TO BE 23/32" T&G C-D EXTERIOR/EXPOSURE 1-APA RATED PLYWOOD WITH EXTERIOR GLUE , P.I. 48/24. GLUE AND NAIL WITH 10d AT 6 INCHES ON CENTER AT PANEL EDGES AND 12 INCHES ON CENTER AT INTERMEDIATE SUPPORTS.
3. NAILING SHALL CONFORM TO TABLE 2304.10.1 OF THE INTERNATIONAL BUILDING CODE UNLESS NOTED OTHERWISE. USE COMMON NAILS THROUGHOUT UNLESS NOTED OTHERWISE.
4. NO STRUCTURAL MEMBER SHALL BE CUT OR NOTCHED UNLESS SPECIFICALLY DETAILED OR APPROVED IN WRITING BY THE STRUCTURAL ENGINEER.
5. PROVIDE 3"x3"x1/4" (USE GALVANIZED @ P.T. MEMBERS) PLATE WASHERS UNDER HEADS AND NUTS OF ALL BOLTS AND LAG SCREWS BEARING ON WOOD UNLESS NOTED OTHERWISE. ALL FASTENERS IN CONTACT WITH PRESSURE TREATED TO BE HOT DIPPED GALVANIZED.
6. BOLT HOLES SHALL BE NOMINAL DIAMETER OF BOLT PLUS 1/16" UNLESS OTHERWISE NOTED. LAG BOLT PILOT HOLES SHALL BE PRE-DRILLED TO 60% OF THE NOMINAL DIAMETER OF THE LAG BOLT UNLESS OTHERWISE NOTED.
7. ALL SILL PLATES SHALL BE BOLTED TO THE FOUNDATION WITH 5/8" MIN Ø STEEL BOLTS SPACED AT 48" o.c. MAX. (EMBED 7" MIN. INTO CONCRETE OR MASONRY). SEE PLANS AND DETAILS FOR SPECIFIC REQUIREMENTS WHERE OCCUR.
8. ALL FRAMING LUMBER IN CONTACT WITH MASONRY OR CONCRETE SHALL BE PRESSURE TREATED. (SEE NOTE 1 FOR MINIMUM GRADE INFORMATION)
9. OSB OF EQUAL OR GREATER THICKNESS MAY BE SUBSTITUTED FOR PLYWOOD USED IN SHEAR PANELS AND DIAPHRAGMS.
10. STUD NOTCHING: BEARING - 25% NOTCH, 40% BORING (60% BORING @ DBL.) NON BEARING - 40% NOTCH, 60% BORING HOLES NO CLOSER THAN 5/8" TO FACE OF STUD

CONCRETE NOTES:

1. MINIMUM 28 DAY STRENGTH 3,000 PSI (f'c=3,000 PSI), UNLESS NOTED OTHERWISE
2. ASTM A615 (F_y=60 KSI) DEFORMED BARS FOR ALL BARS. NO TACK WELDING OF REINFORCING BARS ALLOWED WITHOUT PRIOR REVIEW OF PROCEDURE BY THE STRUCTURAL ENGINEER. LATEST ACI CODE AND DETAILING MANUAL APPLY.
3. MINIMUM SPLICE LENGTHS: #4 BAR-24" LAP; #5 BAR-30" LAP; #6 BAR-42"
4. MINIMUM CLEAR COVERAGE: CAST AGAINST EARTH-3"; #6 BAR OR SMALLER-2"

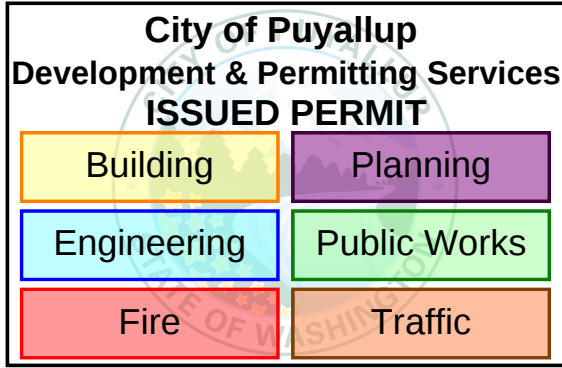
STEEL NOTES:

1. WIDE FLANGE SECTIONS TO BE ASTM A992 (F_y=50ksi), HSS SECTIONS TO BE ASTM A500 (F_y=46ksi), ANGLE SECTIONS TO BE ASTM A36 (F_y=36ksi).
2. BOLTS TO BE A307 UNLESS NOTED OTHERWISE
3. WELD FILLER TO BE 70ksi UNLESS NOTED OTHERWISE

Approval of submitted plans is not an approval of omissions or oversights by this office or noncompliance with any applicable regulations of local government. The contractor is responsible for making sure that the building complies with all applicable codes and regulations of the local government.

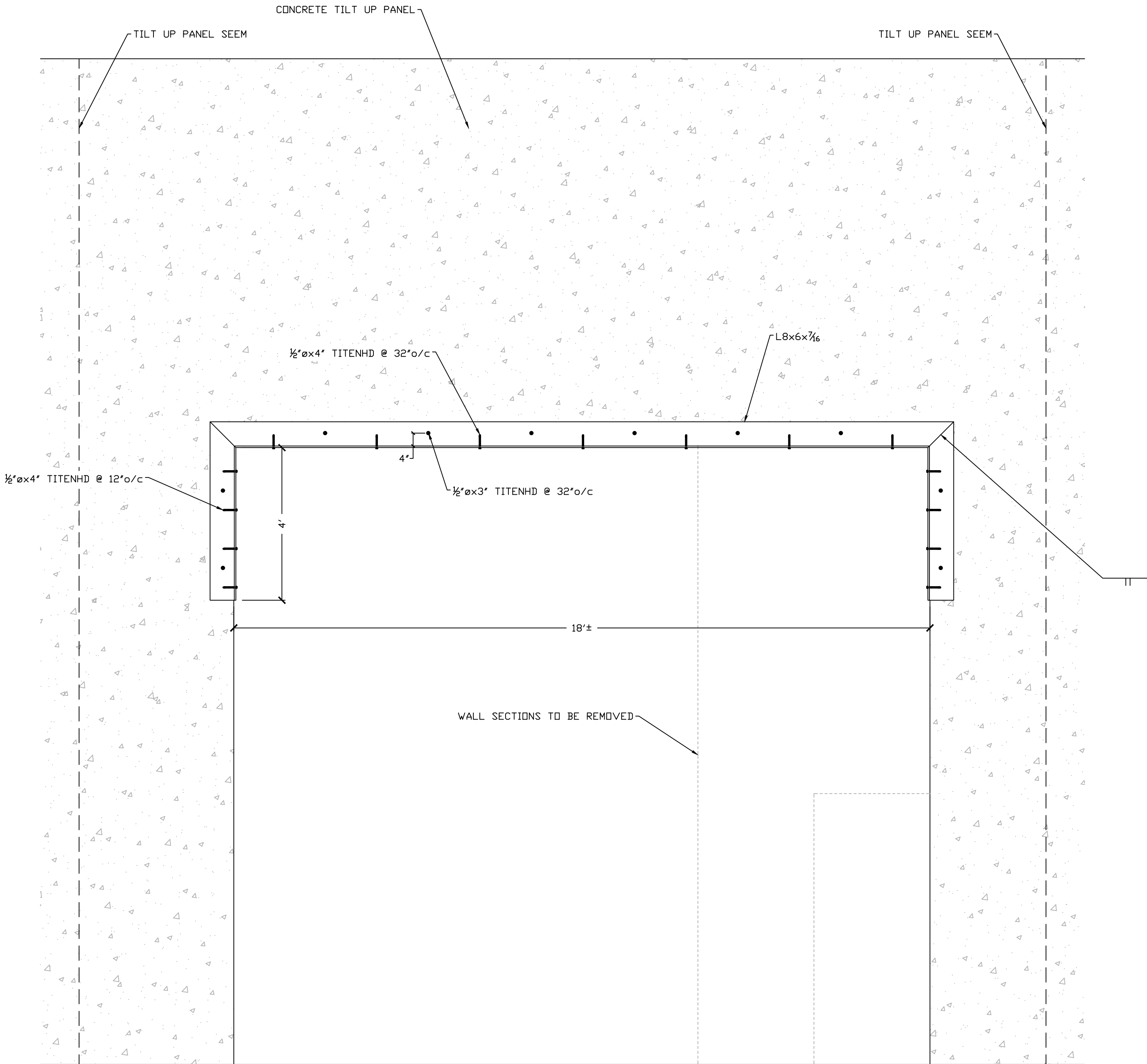
FULL SIZED LEDGIBLE **COLOR** PLANS ARE REQUIRED TO BE PROVIDED BY THE PERMITTEE ON SITE FOR ALL INSPECTIONS (MIN. PLAN SIZE 24" X 36")

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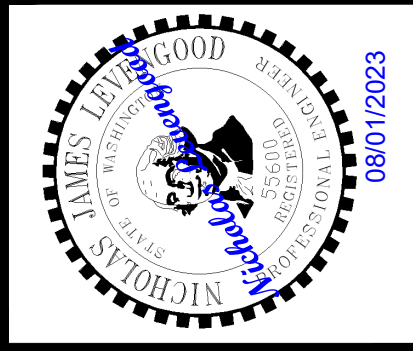
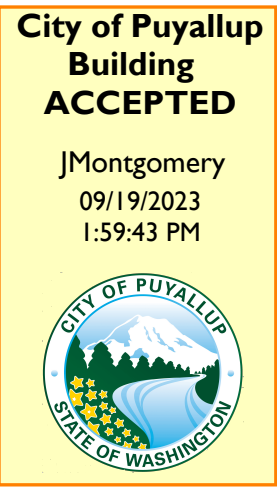
SCOPE OF WORK:

WIDENING EXISTING DOOR OPENING FOR NEW 18' ROLL UP DOOR



DOOR ELEVATION

3/4"=1'-0"



N.L. Olson & Associates, Inc.
Engineering, Planning and Surveying
(360) 905-2350 or (360) 876-2254
2453 Bethel Avenue, P.O. Box 657, Port Orchard, WA 98366

SCALE: AS SHOWN

DATE: July 2023

DRAWING NUMBER

12717

SHEET S1