GENERAL FOUNDATION NOTES:

- Use dimensions from the architectural plans, except for foundation components.
- All miscellaneous details shall be in accordance with instructions from manufacturer or designer.
- Reinforcing should be continuous around the building, as shown. Minimum lap of reinforcing should be 30 bar diameters.
- All foundation pads must be formed to the proper dimension.
- Floating walls are not required for construction of slab on grade foundations.
- Mechanically compact all interior backfill to 90% maximum Modified Proctor Dry Density, ASTM D-1557. All exterior backfill should be mechanically compacted to 90% of maximum Modified Proctor Dry Density, ASTM D-1557.
- Walls having backfill on both the interior and exterior faces should have the backfill on either side brought up approximately together. Otherwise, where possible, no exterior backfill should be placed until the floor slab and floor joists are in place or the wall is otherwise properly braced.
- Minimum recommended design strength of foundation concrete shall be 3000 psi. See soils report for additional concrete recommendations.
- Foundation forms should remain in place a minimum of three (3) days.
- A gravel pad beneath floor slabs is not recommended.
- Planters, if any, should be well sealed and drained.
- Slope backfill away from the building a minimum of 5% for the first 10 feet. Carry roof drains across the backfilled areas. Do not allow water to stand or pond near the building. Do not flood the backfill.
- This design has been completed in accordance with pertinent standards, recommended design soil parameters, and accepted engineering design procedures, and is based on the best information available at the time of completion. The design is intended to minimize differential movement resulting from the heaving of expansive soil induced by seasonal moisture changes.
- All reinforcing bars are to consist of #3 or #4, grade 60 steel unless otherwise noted.
- #5, grade 40 reinforcing bars may be used in place of #4, grade 60 reinforcing bars, if desired.

Standard Designation	SI Designation
#3, Grade 60	#10, Grade 420 MPa
#4, Grade 60	#13, Grade 420 MPa
#5, Grade 40	#16, Grade 300 MPa

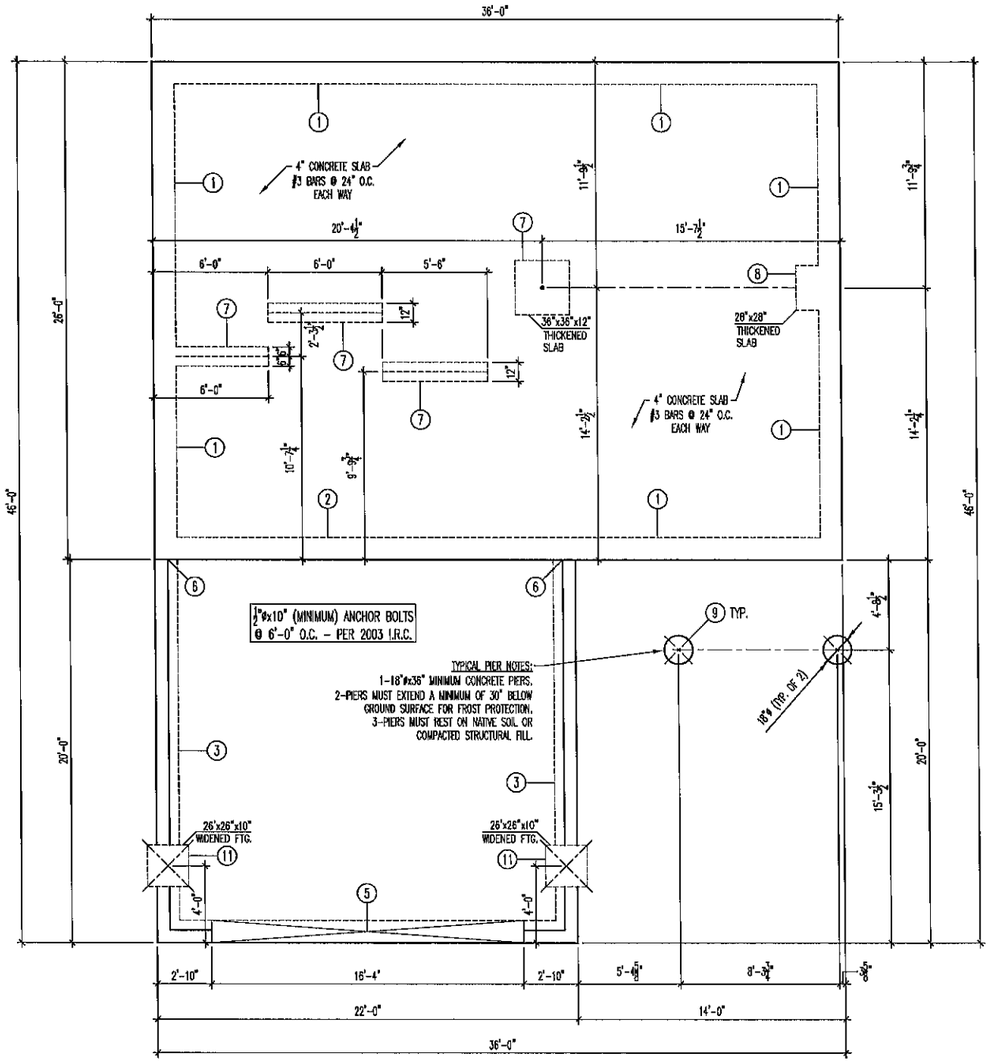
- Verify top of foundation elevations and top of wall steps with Builder prior to placing concrete.
- Verify foundation dimension and pad locations with architectural plans prior to setting forms or placing concrete.
- Verify mudsill locations with architectural plans prior to setting forms or placing concrete.

SOILS NOTES:

- The foundation excavation must be observed by Entech Engineering, Inc. prior to placing forms or concrete to verify that the design is appropriate for the site.
- The foundation was designed using a minimum soil bearing capacity of 2000 psf.
- The foundation was designed according to the building plans by Premier Homes, Inc., dated March 29, 2007 (Revised July 10, 2008), for the Wrangler Model 2154 and on the results determined in the Excavation Observation letter by Entech Engineering, Inc.

LEGEND

- FOUNDATION WALL AT MAIN HOUSE
- FOUNDATION WALL AT GARAGE
- FOUNDATION WALL AT BEARING LOCATION
- CENTER LINE
- DETAIL REFERENCE
- CONCRETE PIER



FOUNDATION PLAN

1/8" = 1'-0"

SLAB ON GRADE

VERIFY ALL DIMENSIONS WITH ARCHITECTURAL PLANS PRIOR TO SETTING FORMS OR PLACING CONCRETE.

MODIFICATIONS TO THIS DESIGN MAY BE REQUIRED.

ENERGY CODE CALCULATIONS BY OTHERS

THIS FOUNDATION IS DESIGNED IN ACCORDANCE WITH ASCE STANDARD 32-01.

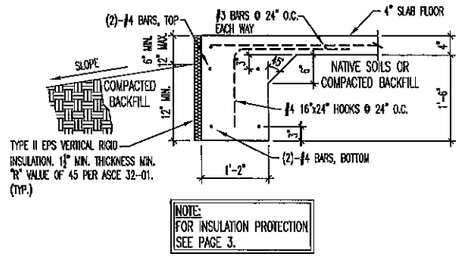
COLORADO LICENSED
ROBERT M KLINGSICK
28963
7/27/15
PROFESSIONAL ENGINEER
STATE OF COLORADO P.E.

REVISIONS	BY:

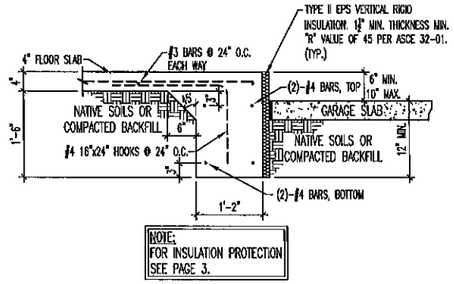
ENTECH ENGINEERING, INC.
505 ELKTON DRIVE
COLORADO SPRINGS, CO. 80907 (719) 531-5599

FOUNDATION PLAN 40#
MODEL 2155 "WRANGLER"
SLAB ON GRADE - 2-CAR GARAGE
8078 HARDWOOD CIRCLE
COLORADO SPRINGS, CO
FOR: PREMIER HOMES, INC.

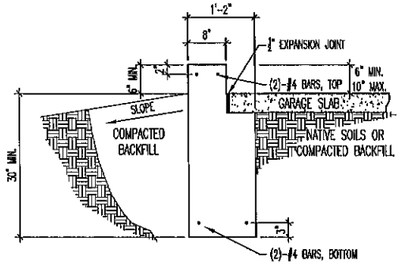
DRAWN BY:	J. MEIERHENRY
DESIGNED BY:	D. STEGMAN
CHECKED BY:	
DATE:	7/27/15
SCALE:	AS SHOWN
JOB NO.:	151276
SHEET NO.:	1 OF 3 SHEETS



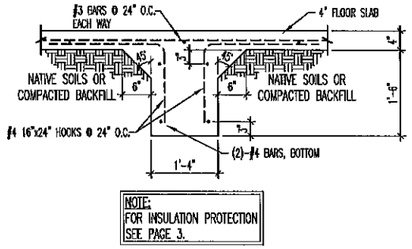
1 SLAB ON GRADE REINFORCING DETAIL AT PERIMETER



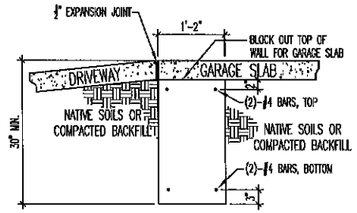
2 SLAB ON GRADE REINFORCING DETAIL AT GARAGE COMMON WALL



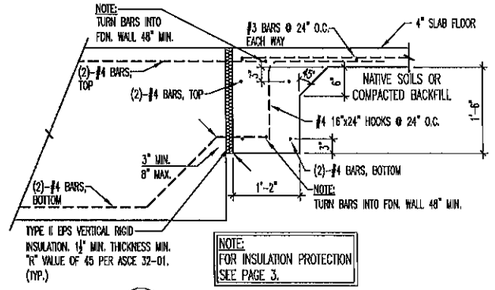
3 SLAB ON GRADE REINFORCING DETAIL AT GARAGE PERIMETER



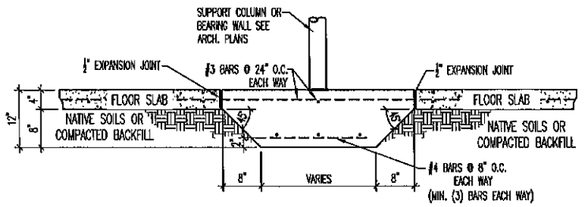
4 SLAB ON GRADE REINFORCING DETAIL AT BEARING LOCATION



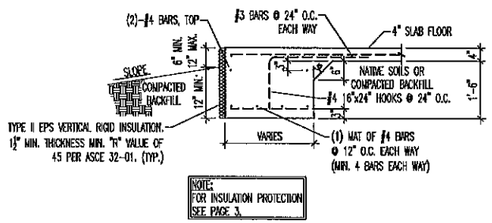
5 SLAB ON GRADE REINFORCING DETAIL AT GARAGE DOOR OPENING



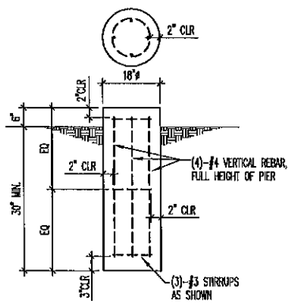
6 SLAB ON GRADE REINFORCING DETAIL AT INTERSECTION



7 SLAB ON GRADE REINFORCING DETAIL AT BEARING LOCATIONS

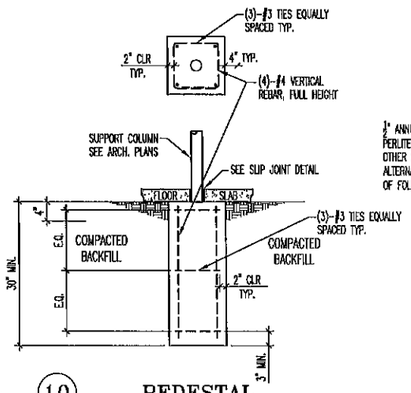


8 SLAB ON GRADE REINFORCING DETAIL AT PERIMETER

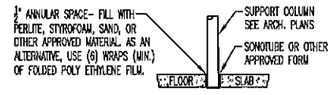


9 REINFORCED CONCRETE PIER DETAIL

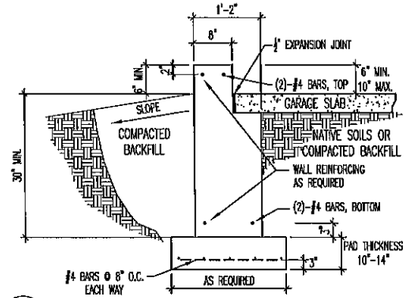
TYPICAL PIER NOTES:
1-18"ø x36" MINIMUM CONCRETE PIERS.
2-PIERS MUST EXTEND A MINIMUM OF 30" BELOW GROUND SURFACE FOR FROST PROTECTION.
3-PIERS MUST REST ON NATIVE SOIL OR COMPACTED STRUCTURAL FILL.



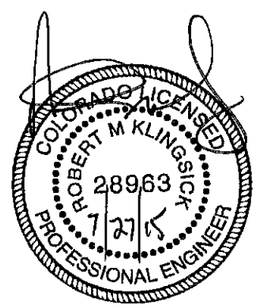
10 PEDESTAL REINFORCING DETAIL



SLIP JOINT DETAIL



11 WIDENED CONCRETE FOOTING BENEATH STEM WALL REINFORCING DETAIL



REVISIONS	BY:

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605 ELKTON DRIVE, COLORADO SPRINGS, CO. 80907 (719) 531-5595

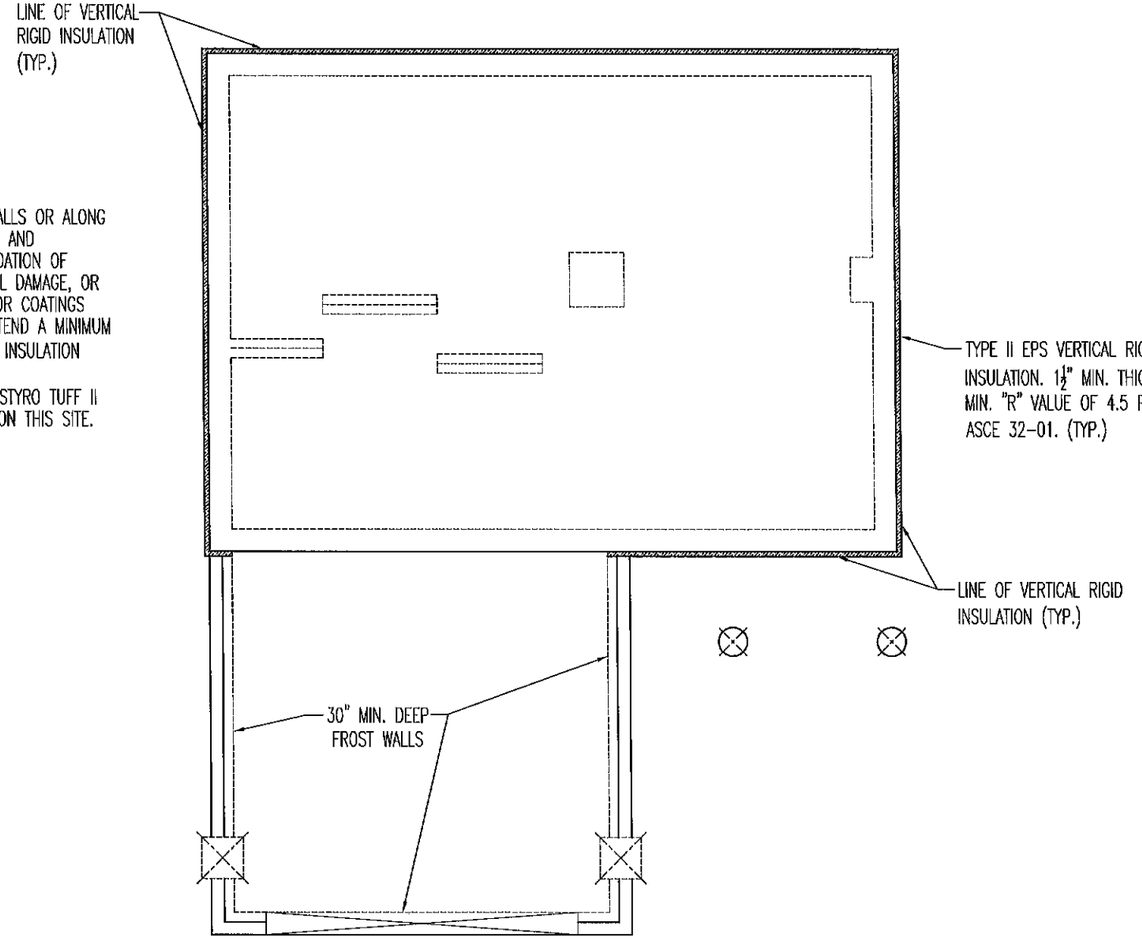
FOUNDATION DETAILS
MODEL 2155 "WRANGLER"
SLAB ON GRADE - 2-CAR GARAGE
8078 HARDWOOD CIRCLE
COLORADO SPRINGS, CO
FOR: PREMIER HOMES, INC.

DRAWN BY:	J. MEIERHENRY
DESIGNED BY:	D. STEGMAN
CHECKED BY:	
DATE:	7/27/15
SCALE:	AS SHOWN
JOB NO.:	151276
SHEET NO.:	2 OF 3 SHEETS

INSULATION PROTECTION:

VERTICAL INSULATION PLACED EXTERNALLY ON FOUNDATION WALLS OR ALONG EDGES OF SLAB-ON-GROUND FLOORS SHALL HAVE AN OPAQUE AND WEATHER-RESISTANT PROTECTIVE COVERING TO MITIGATE DEGRADATION OF THERMAL PERFORMANCE FROM ULTRAVIOLET RADIATION, PHYSICAL DAMAGE, OR OTHER SOURCES OF DETERIORATION. PROTECTIVE COVERINGS OR COATINGS SHALL BE COMPATIBLE WITH THE INSULATION MATERIAL AND EXTEND A MINIMUM OF 6 INCHES (0.15m) BELOW FINISHED GRADE. POLYSTYRENE INSULATION SHALL NOT BE EXPOSED TO PETROLEUM-BASED PRODUCTS.

-A PROTECTO WRAP'S BOND INSULATION WRAP MEMBRANE OR STYRO TUFF II ACRYLIC COATING WILL BE USED FOR INSULATION PROTECTION ON THIS SITE.



RIGID INSULTION PLAN

1/8" = 1'-0"

SLAB ON GRADE W/
OPTIONAL 3-CAR GARAGE

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7/27/15
PROFESSIONAL ENGINEER

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RIGID INSULATION LAYOUT PLAN
MODEL 2155 "WRANGLER"
SLAB ON GRADE - 2-CAR GARAGE
8078 HARDWOOD CIRCLE
COLORADO SPRINGS, CO
FOR: PREMIER HOMES, INC.

DRAWN BY:	J. MEIRRHENRY
DESIGNED BY:	D. STEGMAN
CHECKED BY:	
DATE:	7/27/15
SCALE:	AS SHOWN
JOB NO.:	151276
SHEET NO.:	3 OF 3 SHEETS