

PLAN VIEW 1-A

PROPOSED FLOOR PLAN

SCALE: 1/4" = 1'-0"

ENGINEER SEAL

WEINER

O35447

WEINER

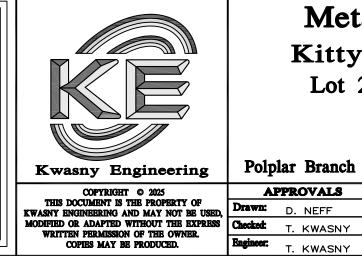
Kwasny Engineering PLLC

Civil Engineering and Land Planning Consultants
Firm Certification# P-2744
198 Augusta Drive

Grandy, NC. 27939

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Metal Storage Building Kitty Hawk Grading LLC Lot 26, Freedom Business Park

Location:

110 Peace Court

Polplar Branch Township Currituck County North Carolina

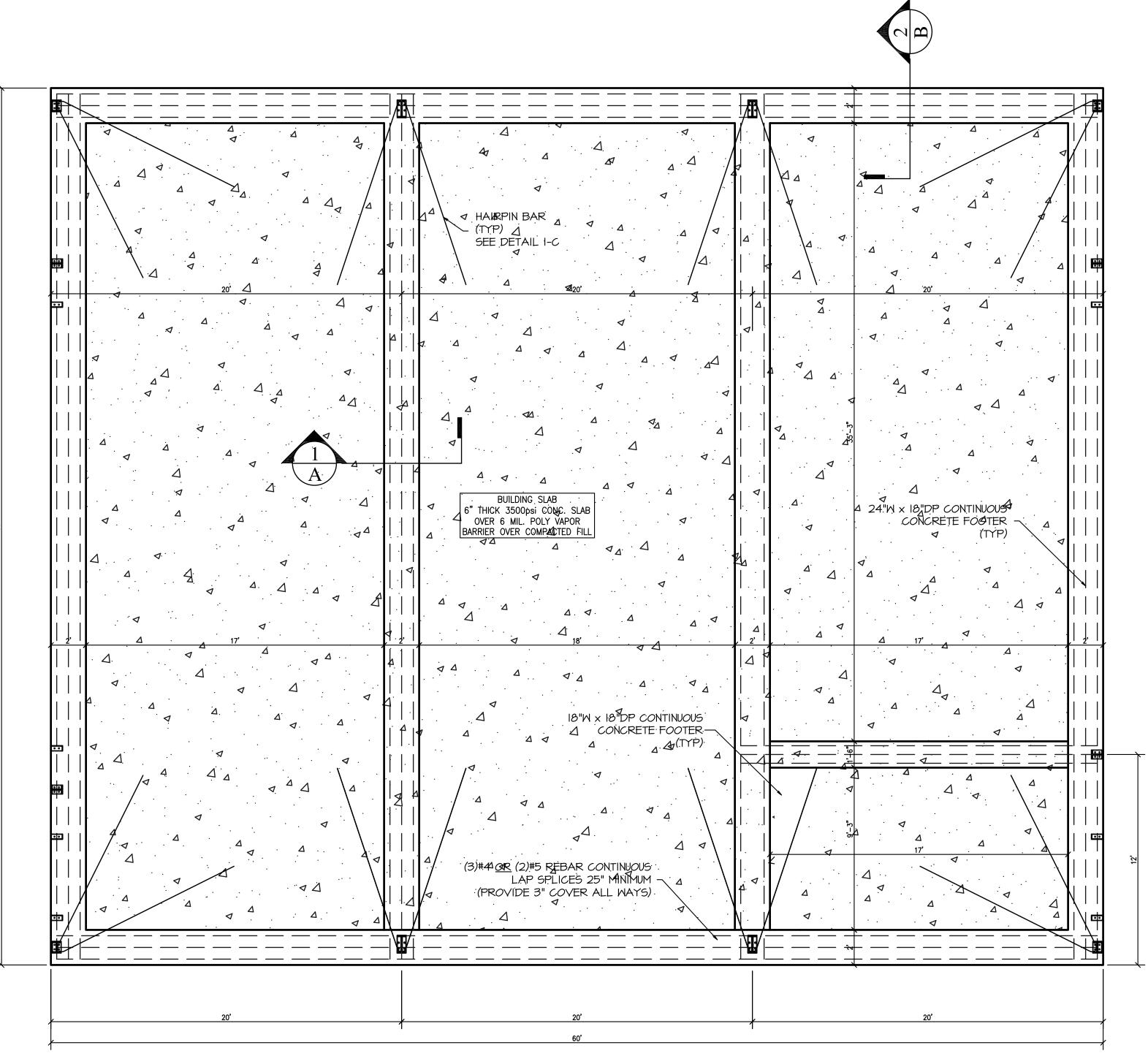
D. NEFF 11/03/25

T. KWASNY 11/03/25

T. KWASNY 11/03/25

PROJECT NUMBER SHEET NO. A1 OF

40244



PLAN VIEW 1-A PROPOSED FOUNDATION PLAN SCALE: 1/4" = 1'-0"

Notes:

- * THIS SLAB ON GROUND DESIGN IS IN ACCORDANCE WITH ACCEPTABLE ENGINEERING PRACTICES FOR THE PROJECT SPECIFICALLY STATED ON THESE PLANS. THESE PLANS MAY NOT BE USED FOR ANY OTHER LOCATION.
- THIS SLAB ON GRADE HAS BEEN DESIGNED TO CONTROL TEMPERATURE AND SHRINKAGE CRACKS. INITIALLY, IT MAY SUSTAIN SHRINKAGE AND TEMPERATURE CRACKS DURING NORMAL CONCRETE CURING.
- ALL DIMENSIONS, DROPS, OFFSETS, OPENINGS, INSERTS, ETC.., SHALL BE VERIFIED BY THE BUILDER PRIOR TO PLACEMENT OF THE SLAB-ON-GRADE CONCRETE SHALL NOT BE INSTALLED IN RAINY WEATHER NOR AT TEMP. BELOW 40° F

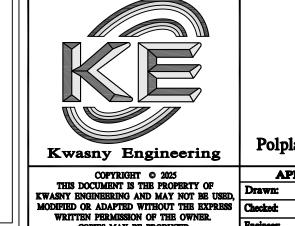
NOR IN OTHER ADVERSE WEATHER.

ENGINEER SEAL

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CODE COMPLIANCE

CONCRETE

USING TYPE II CEMENT.

ALL CONSTRUCTION TO CONFORM TO THE LATEST REQUIREMENTS OF

NORTH CAROLINA AMENDMENTS, AND ALL LOCAL CODES AND REGULATIONS

ALL CONCRETE UNLESS NOTED OTHERWISE SHALL BE MADE WITH STONE AGGREGATE AND SHALL DEVELOP 3000 psi W/FIBER MESH, 28 DAY COMPRESSIVE STRENGTH

ALL REINFORCING BARS SHALL BE ASTM A615, GRADE 60, EXCEPT ASTM A706 SHALL BE USED WHERE WELDING OR FIELD BENDING OF REINFORCING IS SHOWN, UNLESS OTHERWISE NOTED: ALL APPROVED WELDING OF A706 BAR SHALL BE PER LATEST

PROVIDE CONTROL OR CONSTRUCTION JOINTS @ 15'-0" O.C.(MAXIMUM) IN EACH DIRECTION FOR SLABS ON GRADE. CONTROL JOINTS SHALL BE 1-1/2" DEEP AND SAW CUT WITHIN 12 HOURS OF SLAB POUR OR AS SOON AS SLAB CAN SUPPORT

b. CONCRETE POURED IN FORMS BUT EXPÓSED TO WEATHER AND EARTH (1-1/2")

NO SPLICES OF REINFORCEMENT SHALL BE MADE AND NO WELDING TO REINFORCING

WIRE FABRIC REINFORCEMENT MUST LAP ONE FULL MESH PLUS 2" AT SIDE AND END

DETAIL BARS IN ACCORDANCE WITH THE LATEST EDITIONS OF ACI DETAILING MANUAL

SHOWN ON PLANS. ALL DOWELS, BOLTS, AND EMBEDDED PLATES SHALL BE SET AND TIED INTO PLACE BEFORE THE CONCRETE IS POURED. "STABBING" DOWELS, BOLTS, OR

PROVIDE ALL ACCESSORIES NECESSARY TO SUPPORT REINFORCING AT POSITIONS

PLACE TWO (2) #5 BARS (1 EACH FACE) WITH 2'-6" PROJECTION AROUND ALL OPENINGS IN CONCRETE SLABS AND WALLS UNLESS OTHERWISE NOTED. TERMINATE ALL REINFORCING BARS INTERRUPTED BY OPENING WITH A STANDARD 90 DEGREE OR 180

ALL REINFORCING BAR ENDS SHALL BE MADE IN THE FABRICATION SHOP UNLESS OTHERWISE NOTED ON THE DRAWINGS OR APPROVED BY THE STRUCTURAL ENGINEER.

SLABS, GRADE BEAMS, AND FOOTINGS SHALL NOT HAVE ANY JOINTS IN A HORIZONTAL

WORK MUST BE MADE APPROXIMATELY THE CENTER ONE-THIRD OF THE SPAN OR AT THE CENTER OF THE SUPPORT WITH VERTICAL BULKHEADS AND HORIZONTAL KEYS.

ALL CONSTRUCTION JOINTS SHALL BE AS OUTLINED BY THE STRUCTURAL ENGINEER. CONSTRUCTION JOINTS IN AREAS OF EXPOSED CONCRETE SHALL ALSO BE SUBJECT

THE SURFACE OF CONCRETE AT CONSTRUCTION JOINTS SHALL BE CLEANED OF ANY

SUBSEQUENTLY CLEANED. THE ROUGHENING SHALL EXPÓSE THE COURSE AGGREGATE IN

THE CONTRACTOR SHALL SUBMIT DRAWINGS SHOWING THE PROPOSED CONSTRUCTION JOINT LOCATION AND CASTING SEQUENCE TO THE STRUCTURAL ENGINEER FOR REVIEW

OF CONCRETE IS NOT ALLOWED UNLESS SHOWN OR AUTHORIZED BY THE STRUCTURAL

ENGINEER. SUBMIT A PROPOSED LAYOUT OF ANY CONDUITS THAT ARE TO BE PLACED

PROVIDE SLEEVES FOR PLUMBING AND ELECTRICAL OPENINGS PRIOR TO PLACING CONCRETE. DO NOT CUT ANY REINFORCEMENT WHICH MAY CONFLICT. CORE DRILLING

DEBRIS, ICE, ETC., IMMEDIATELY BEFORE NEW CONCRETE IS POURED. THE CONSTRUCTION JOINT SHALL BE WETTED AND ALL STANDING WATER REMOVED. WHERE CONSTRUCTION JOINTS ARE DENOTED "ROUGHENED", THE ENTIRE JOINT SURFACE SHALL BE MECHANICALLY ROUGHENED TO A 1/4" AMPLITUDE AND

THE HARDENED CONCRETE AND ALL LOOSE MATERIAL SHALL BE REMOVED.

WITHIN A SLAB THICKNESS FOR THE STRUCTURAL ENGINEER TO REVIEW.

NO CHLORIDE ADMIXTURES SHALL BE ADDED TO THE CONCRETE WITHOUT THE

ALL CONCRETE PERMANENTLY EXPOSED TO THE WEATHER SHALL BE INSTALLED IN ACCORDANCE SECTION 1904.4.1 OF THE IBC 2012 EDITION WITH NORTH CAROLINA

CONCRETE SHALL NOT BE ALLOWED TO REMAIN IN A CONCRETE TRUCK LONGER

THAN 90 MINUTES WHEN THE AIR TEMPERATURE IS UNDER 90 DEGREES OR 60 MINUTES

TWO WEEKS (MINIMUM) PRIOR TO THE INTENDED POUR DATE.

WHEN THE AIR TEMPERATURE IS ABOVE 90 DEGREES.

PLANE UNLESS INDICATED OTHERWISE ON THE DRAWINGS. ANY STOP IN CONCRETE

AT THE CONTRACTORS OPTION, SHOP DRAWINGS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER TO REVIEW PRIOR TO POURING CONCRETE. SHOP DRAWINGS SHALL SHOW ALL BEAMS, WALLS AND COLUMN ELEVATIONS. ALL REINFORCING BARS, LAP LENGTHS, AND LOCATIONS SHALL BE CLEARLY LABELED. COPYING OF THE STRUCTURAL PLANS AND/OR DETAILS IN LIEU OF THE DETAILERS OWN DRAWINGS IS NOT PERMITTED. THE STRUCTURAL ENGINEER HAS 10 WORKING DAYS (MAXIMUM) TO RETURN THE REVIEWED SHOP DRAWINGS TO THE ARCHITECT OR CONTRACTOR.

SHALL BE PERMITTED EXCEPT AS DETAILED OR AUTHORIZED BY STRUCTURAL ENGINEER. BAR SPLICES WHERE PERMITTED SHALL BE MADE BY MECHANICAL CONNECTORS OR A CLASS B LAP LENGTH PER THE LAP SPLICE SCHEDULE UNLESS NOTED OTHERWISE ON THE DRAWINGS. MAKE ALL BARS CONTINUOUS AROUND CORNERS

THE INTERNATIONAL BUILDING CODE (IBC) 2018 EDITION WITH

EDITION OF THE AMERICAN WELDING SOCIETY (AWS D1.4). WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.

OR PROVIDE CORNER BARS OF EQUAL SIZE AND SPACING.

AND ACI BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE.

PLATES INTO PREVIOUSLY POURED CONCRETE IS NOT PERMITTED.

LAPS, BUT NOT LESS THAN 6" AND SHALL BE WIRED.

WORKERS WITHOUT DAMAGING CONCRETE SURFACE.

CONCRETE PROTECTION FOR REINFORCEMENT: a. CONCRETE POURED AGAINST EARTH (3")

c. #5 BAR AND SMALLER (2") d. LARGER THAN #5 (1–1/2")

DEGREE HOOK WHERE POSSIBLE.

CONSTRUCTION JOINTS:

TO APPROVAL BY THE STRUCTURAL ENGINEER.

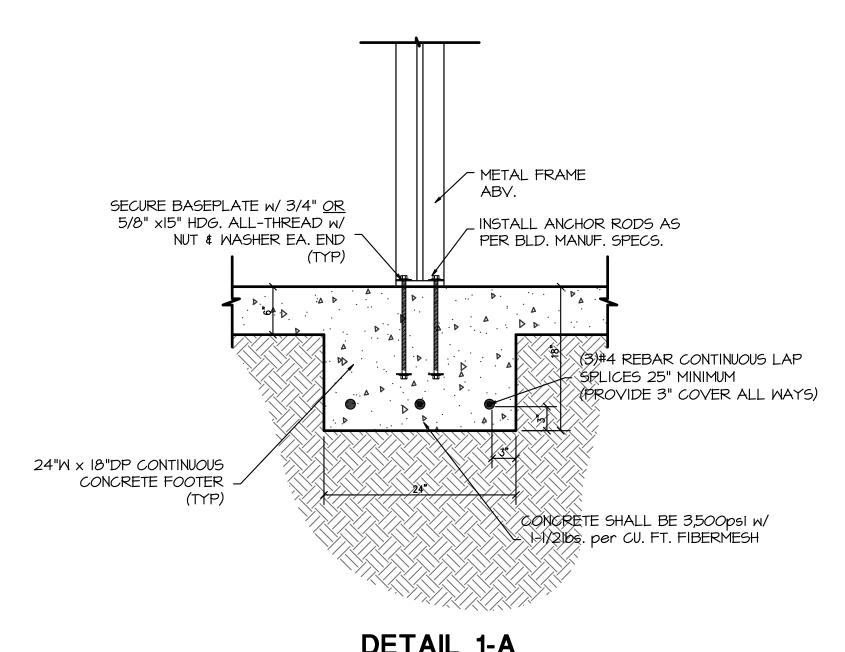
STRUCTURAL ENGINEER'S APPROVAL.

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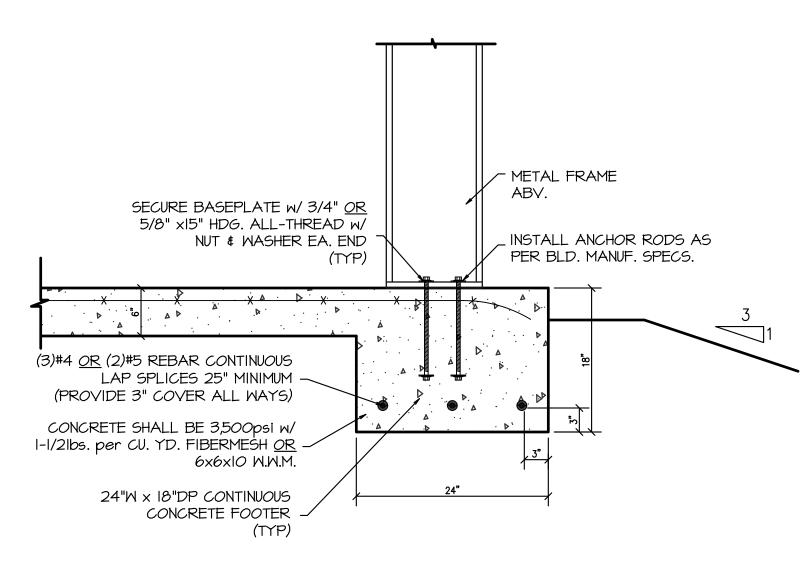
Location: 110 Peace Court Polplar Branch Township Currituck County North Carolina

DATE PROJECT NUMBER 11/03/25 11/03/25 11/03/25

E-Mail: Dneff@Kwasnyeng.com

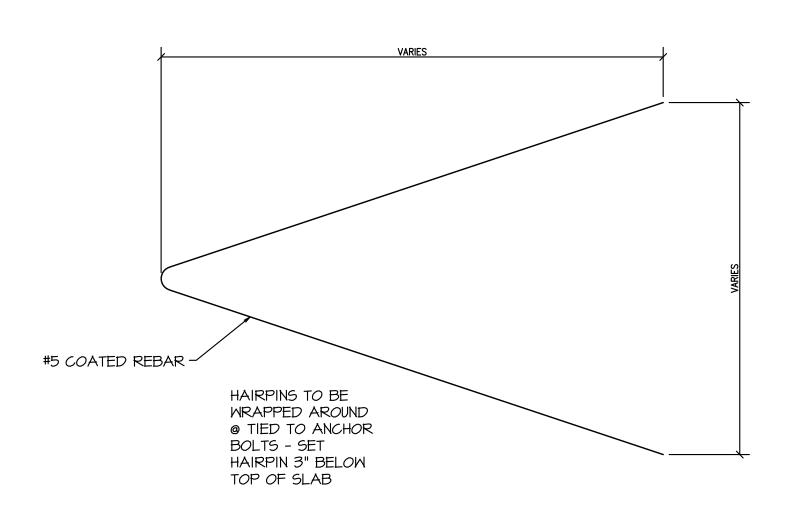


DETAIL 1-A INTERIOR FOOTER DETAIL SCALE: 1" = 1'-0"

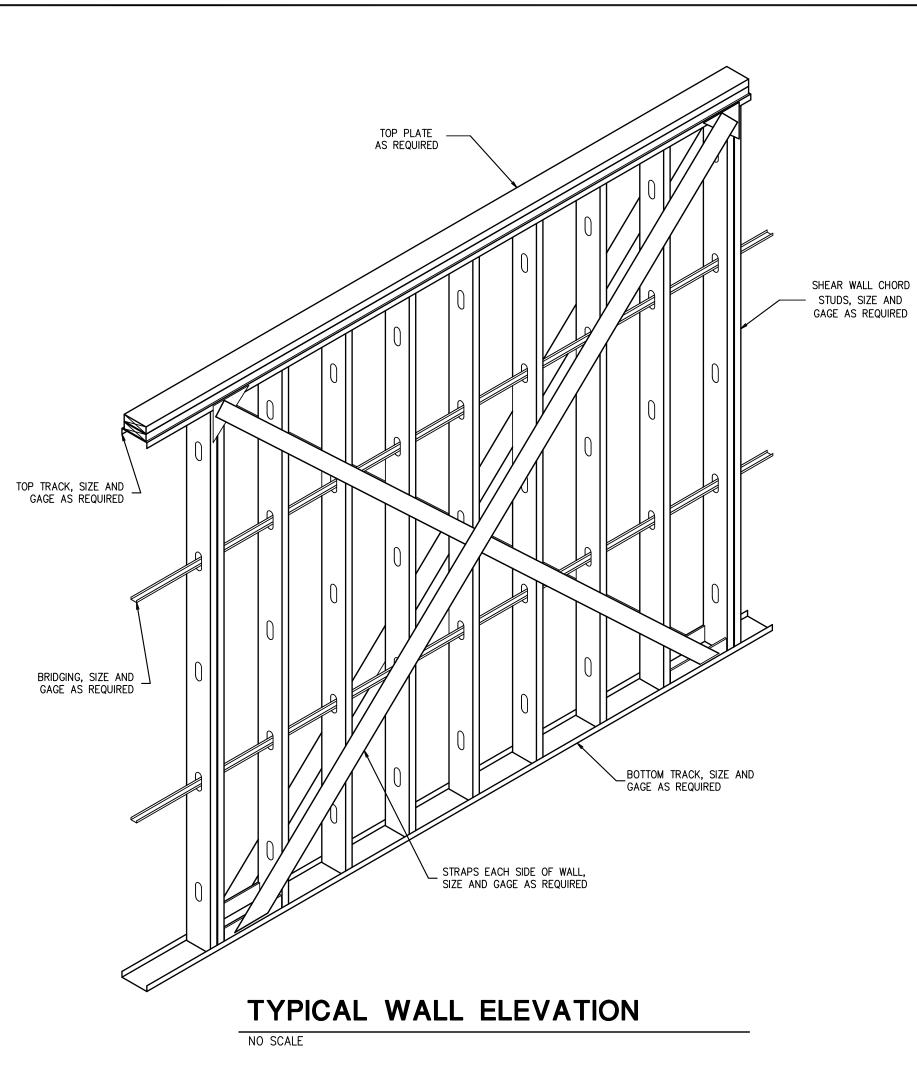


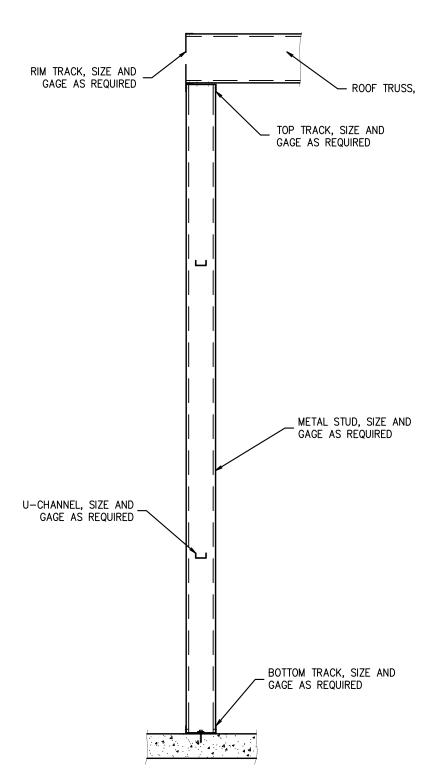
DETAIL 2-B EXTERIOR FOOTER DETAIL

SCALE: 1" = 1'-0"

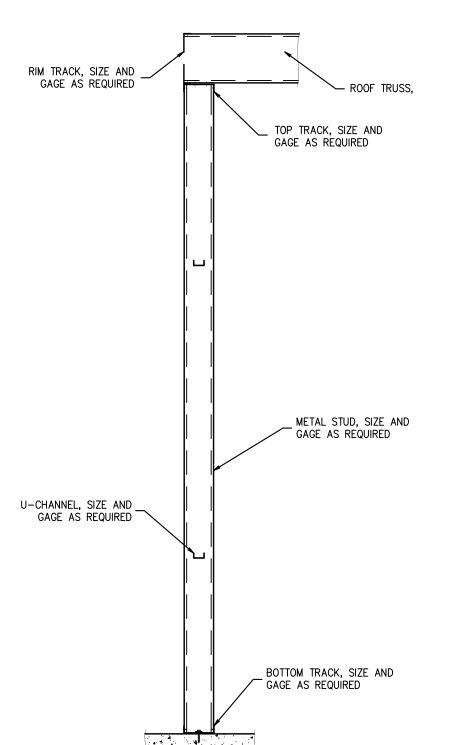


DETAIL 1-C HAIRPIN DETAIL SCALE: 1/2" = 1'-0"





TYPICAL WALL SECTION NO SCALE

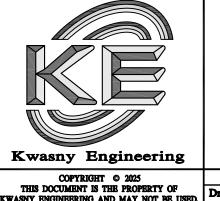


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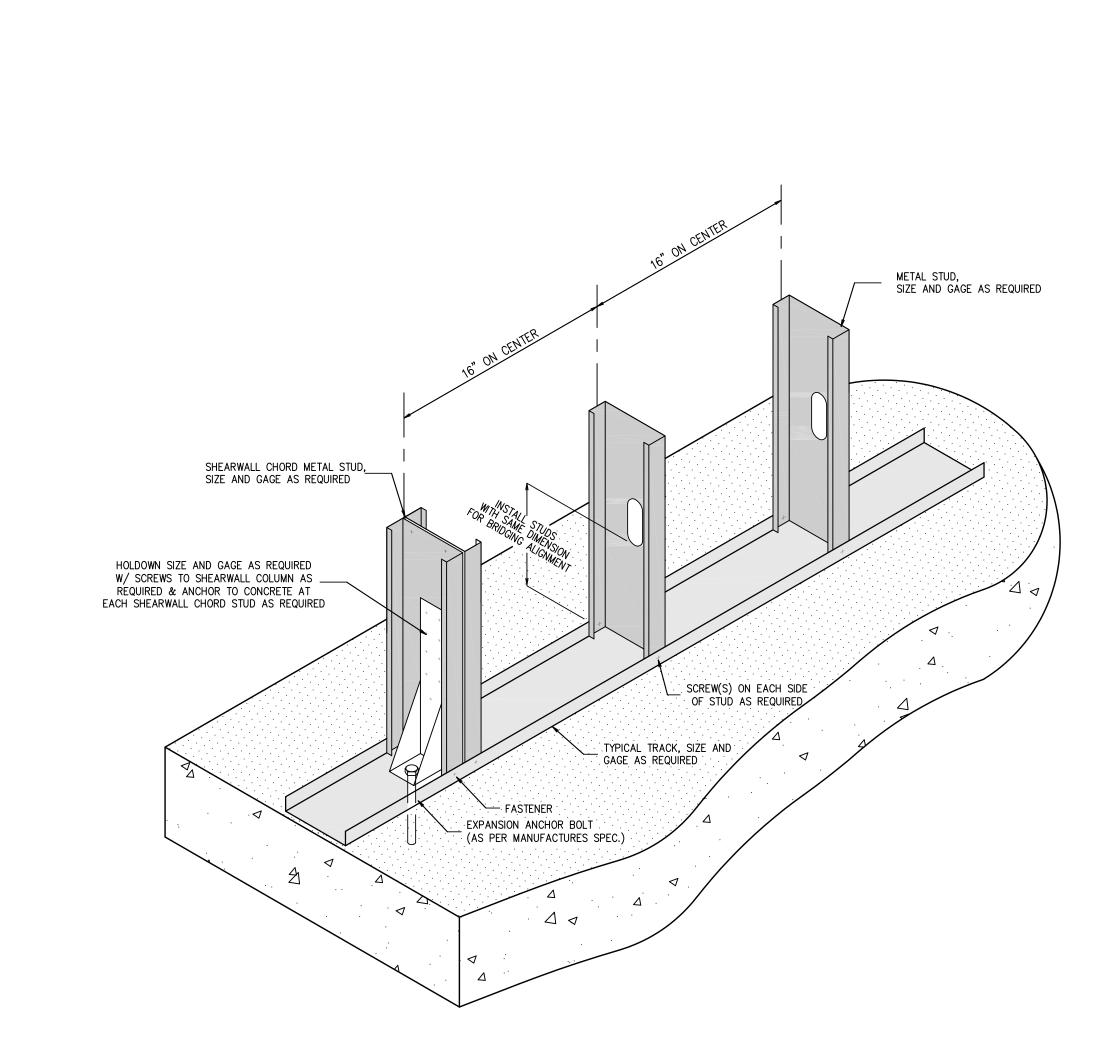


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METAL STUD DETAIL
NO SCALE

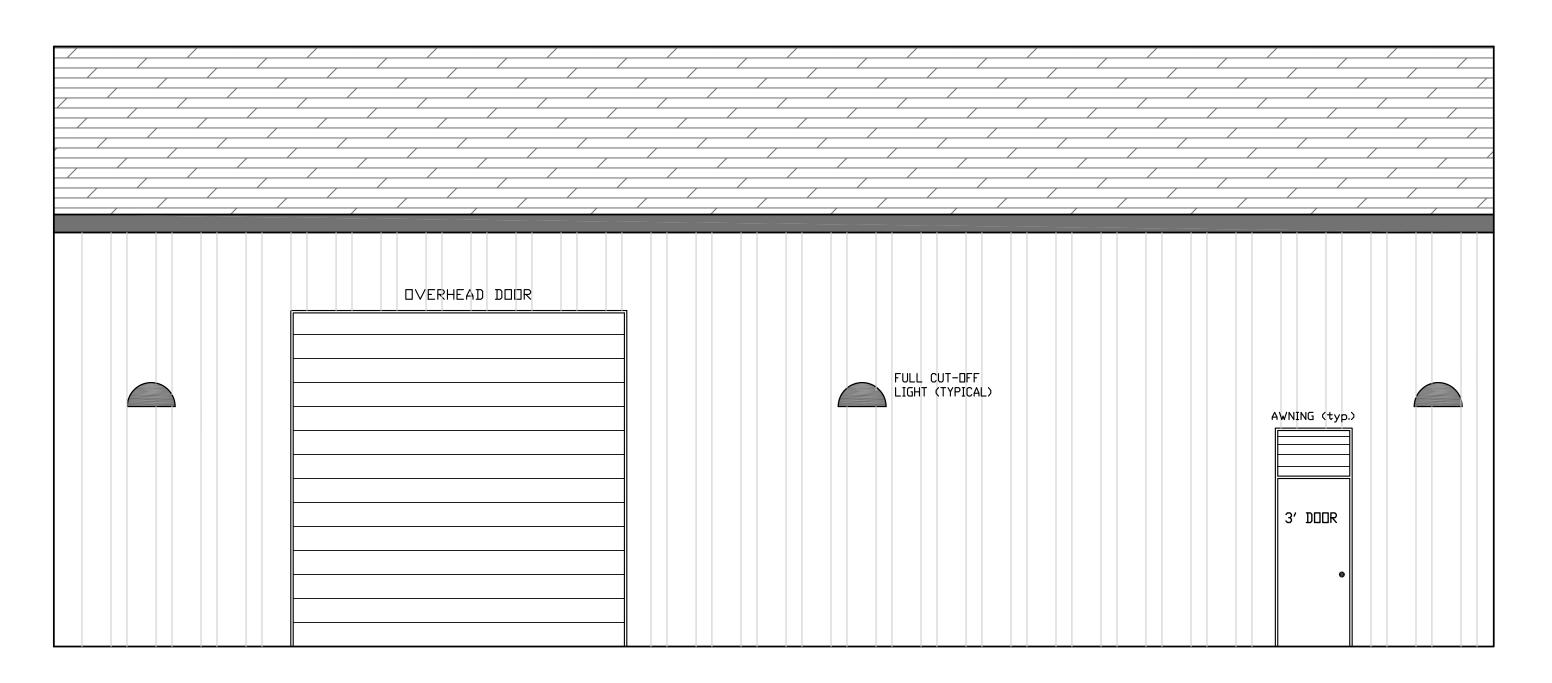
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APPROVALS

D. NEFF
Checked: T. KWASNY

Regineer: T. KWASNY



Front Elevation

SCALE: 1/4" = 1'-0"

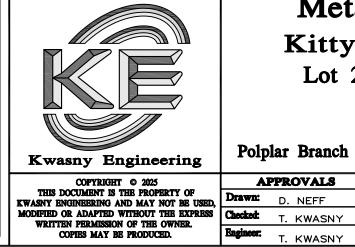


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PROJECT NUMBER
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240244

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240244

