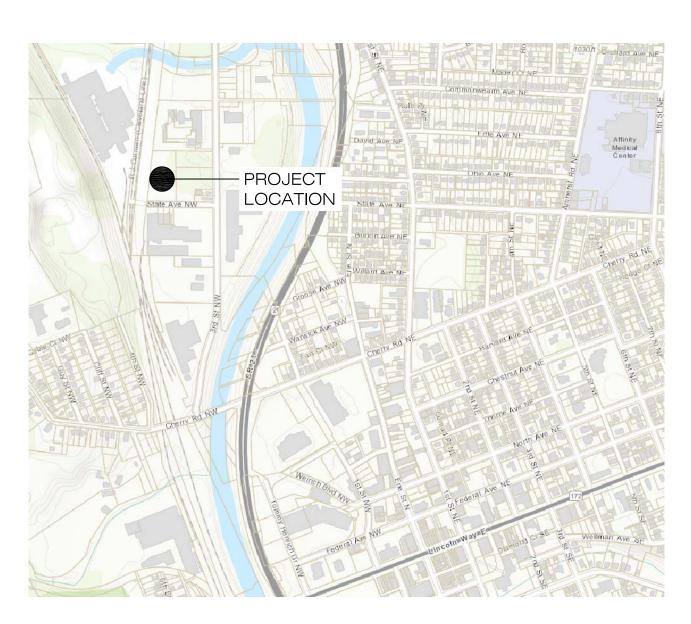
NEW WAREHOUSE ADDITION FOR LOADER FABRICATION & WELDING

3RD STREET NW

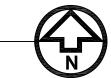
MASSILLON, OHIO

ISSUED FOR SHELL PERMIT: JULY 26, 2021



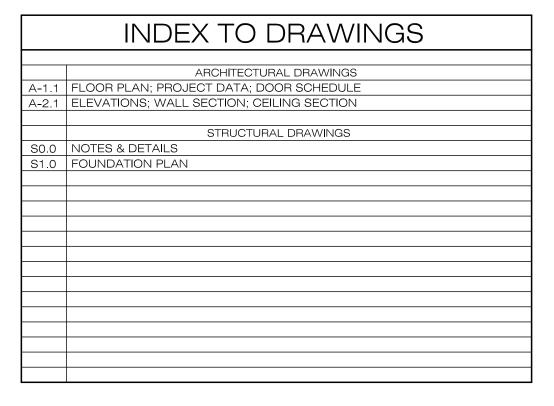
VICINITY MAP

SCALE: N.T.S.



CONSULTANTS

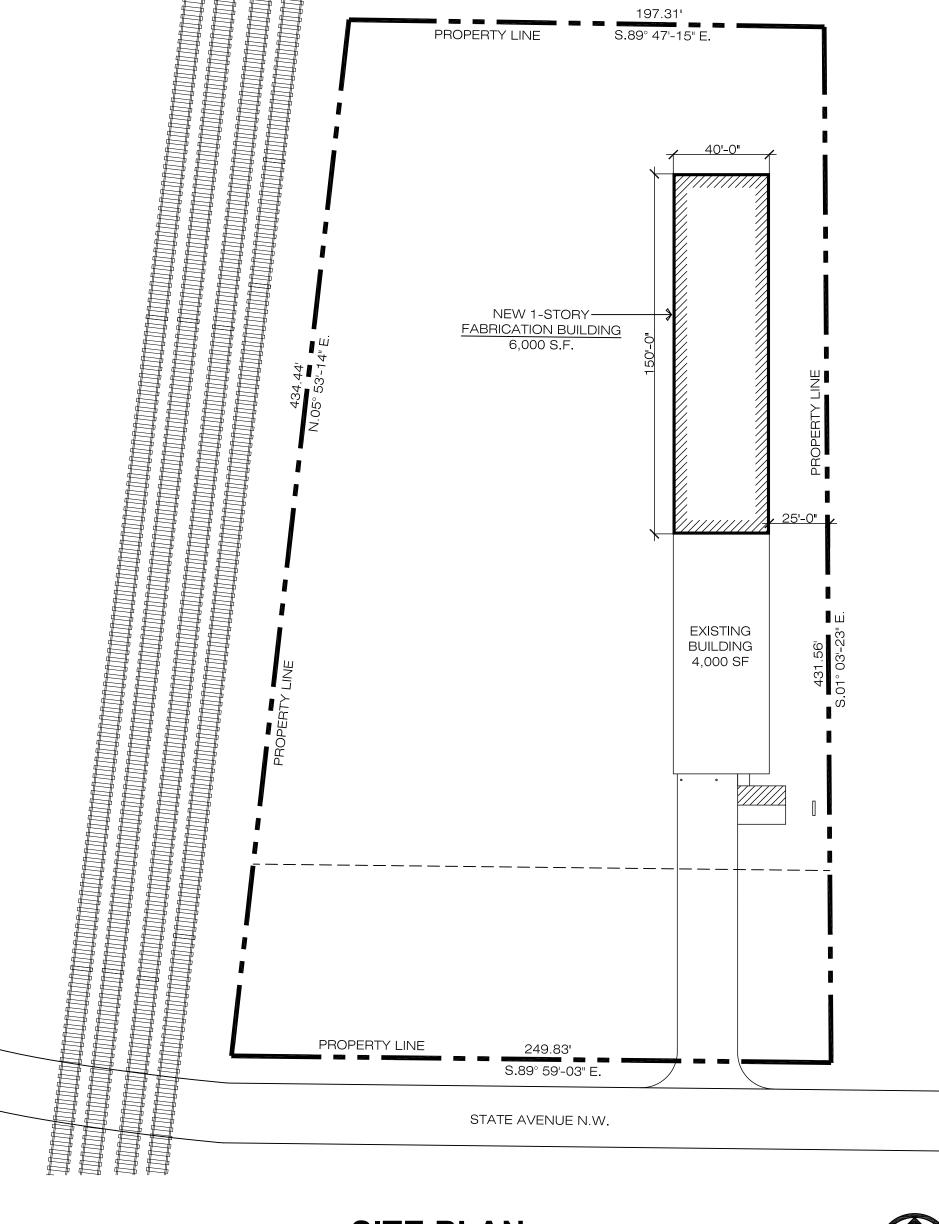
TTR ENGINEERS STRUCTURAL ENGINEER



PREPARED FOR:

JOSEPH A. JEFFRIES CO.









RODNEY W. MEADOWS
LICENSE #6781
EXPIRATION DATE
12-31-2021



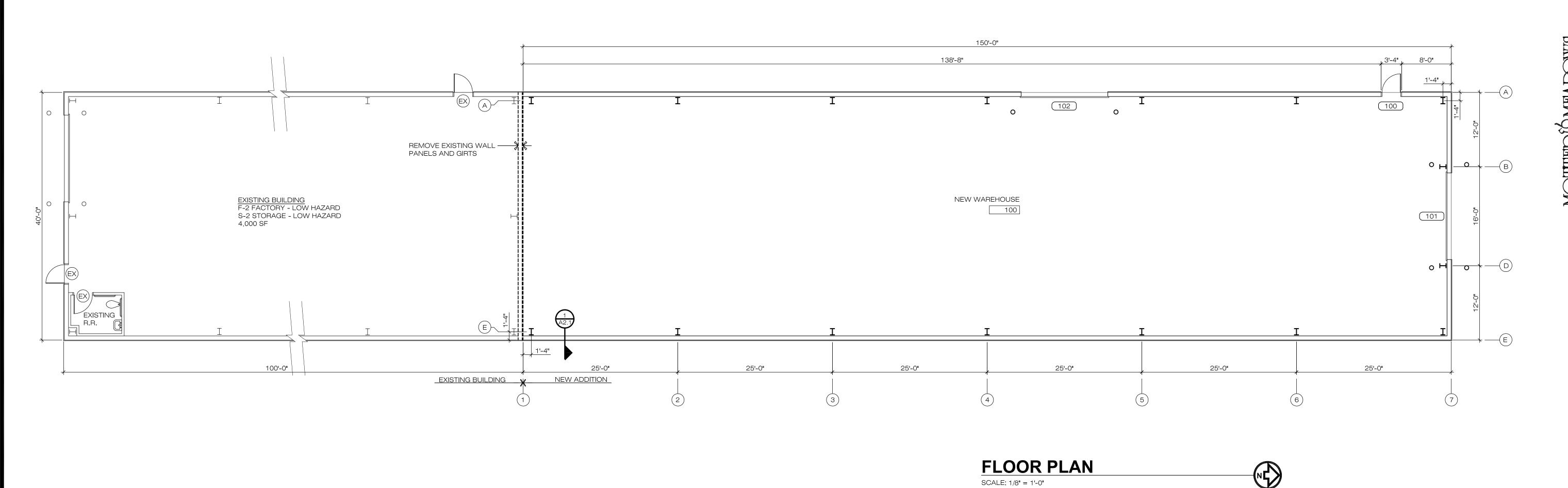
TYPE OF CONSTRUCTION: OCCUPANCY CLASSIFICATION: 23,000 SF ALLOWABLE BUILDING AREA ACTUAL BUILDING AREA 4,000 SF EXISTING BUILDING 6,000 SF 10,000 SF **NEW ADDITION** TOTAL AUTOMATIC FIRE SUPPRESSION IS NOT REQUIRED. CALCULATED OCCUPANT LOAD F-2 FACTORY - LOW HAZARD AREA S-2 STORAGE - LOW HAZARD AREA 10 PERSONS 18 PERSONS 28 PERSONS ACTUAL OCCUPANT LOAD 10 PERSONS PER OBC 1004.1.2, EXCEPTION: THE DESIGN OCCUPANT LOAD SHALL BE THE ACTUAL OCCUPANT LOAD: 4 PERSONS
SEPARATE TOILET FACILITIES SHALL NOT BE REQUIRED, PER OBC

| DOOR SCHEDULE | | | | | | | | | | |
|---------------|--------|--------|--------|------|----------------|--------|-------|------|------|-------|
| DOOR | | | DO | OOR | DR FRAME NOTES | | | | | |
| NO. | W | Н | Т | TYPE | MAT'L | CONSTR | MAT'L | JAMB | HEAD | NOTES |
| 100 | 3'-0" | 7'-0" | 1-3/4" | В | WOOD | H.M. | STEEL | 2" | 4" | 1,2,3 |
| 101 | 14'-0" | 14'-0" | 2" | А | STEEL | H.M. | STEEL | 2" | 4" | |
| 102 | 14'-0" | 14'-0" | 2" | Α | STEEL | H.M. | STEEL | 2" | 4" | |

NOTES:

2909.2, EXCEPTION 2

ALL DOOR HARDWARE SHALL COMPLY WITH THE REQUIREMENTS OF THE A.D.A. AND O.B.C.
 DOOR HARDWARE SHALL BE STANDARD COMMERCIAL GRADE HARDWARE.
 ALL DOORS SHALL BE EQUIPPED WITH THREE (3) MEDIUM DUTY HINGES AND A LEVER-TYPE LOCKSET - LOCKING FUNCTIONS SHALL BE BASED ON THE DOOR FUNCTION.
 PROVIDE DOOR CLOSER HARDWARE DEVICE.



600 MARKET AVENUE NORTH

OHO

REVISIONS:

MOTTED MEADOWS

A R C H I T F C T 8

NEW WAREHOUSE ADDIT

R.W.MEADOWS OF STATE OF STATE

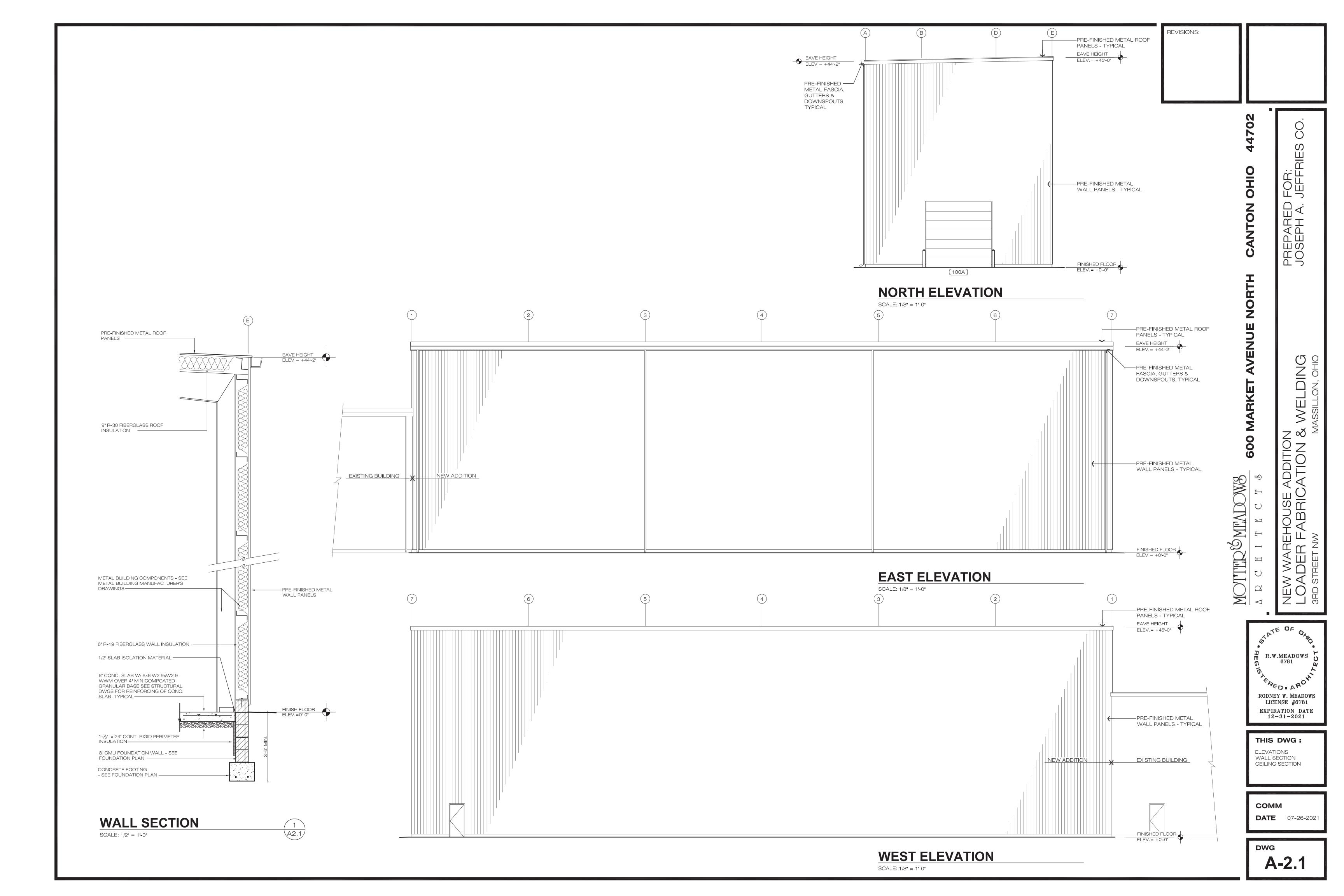
EXPIRATION DATE 12-31-2021

THIS DWG:
FLOOR PLAN
DOOR SCHEDULE
PROJECT DATA

COMM

DATE 07-26-2021

DWG A-1.1



GENERAL NOTES A. <u>GENERAL</u>

1.) DRAWINGS F-1 & F-2 COVER THE DESIGN OF THE FOUNDATIONS FOR THE PRE-ENGINEERED METAL BUIILDING. THESE ITEMS WERE DESIGNED IN ACCORDANCE WITH STATE OF OHIO BUILDING CODE (O.B.C.), 2017 EDITION AND THE LATEST OBC AMENDMENTS.

2.) ALL CONSTRUCTION SHALL CONFORM TO THE OHIO BUILDING CODE AND TO OSHA STANDARDS. 3.) THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL CONSTRUCTION METHODS AND FOR SAFETY

4.) FOUNDATION CONTRACTOR SHALL COORDINATE AND SCHEDULE WORK WITH MECHANICAL AND ELECTRICAL CONTRACTORS REGARDING ITEMS CONCEALED BY OR EMBEDDED IN FOUNDATIONS, WALLS OR FLOOR SLABS.

B.) FOUNDATIONS

1.) ALL FOUNDATIONS SHALL BEAR ON UNDISTURBED SOIL WITH AN ASSUMED BEARING CAPACITY OF 2000 PSF. FOOTINGS SHALL BE POURED THE SAME DAY THEY ARE EXCAVATED. FOOTINGS MAY BE POURED INTO EARTH-FORMED TRENCHES IF THE SOIL CONDITIONS PERMIT. 2.) COMPACT BACKFILL OVER FOOTINGS AND BENEATH SLABS ON GRADE TO AT LEAST 98% OF ITS

STANDARD PROCTOR MAXIMUM DRY DENSITY PER ASTM D-698 ±2.0% MOISTURE CONTENT 3.) FOOTING ELEVATIONS SHOWN ON PLANS ARE APPROXIMATE AND SHALL BE FIELD ADJUSTED IF

4.) ALL FOUNDATIONS HAVE BEEN DESIGNED FOR BUILDING REACTIONS BASED ON PRELIMINARY REACTIONS FROM THE CONTRACTOR. 5.) ANCHOR RODS SHALL CONFORM TO ASTM-F1554 (GR.36) SPECIFICATIONS. 3/4"ø & 1"ø A.B.

6.) A SOILS TESTING LABORATORY SHALL BE RETAINED BY THE OWNER TO PROVIDE CONSTRUCTION REVIEW TO INSURE CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS DURING THE EXCAVATION, BACKFILL, AND FOUNDATION PHASES OF THE PROJECT. IT SHALL BE THE RESPONSIBILITY OF THE SOILS TESTING LABORATORY TO: DETERMINE TOPSOIL AND EXCAVATION STRIPPING DEPTH; INSPECT ALL SUBSOIL EXPOSED DURING STRIPPING, SITE GRADING, AND EXCAVATION OPERATIONS; APPROVE FILL MATERIALS, PERFORM DENSITY TESTS OF FILLS TO INSURE PLACEMENT PER SPECIFICATION REQUIREMENTS: INSPECT FOUNDATION BEARING SURFACES.

C. <u>CONCRETE AND REINFORCING STEEL</u>

SHALL BE 16" LONG w/3" HOOK.

1.) ALL CONCRETE SHALL CONFORM TO THE FOLLOWING REFERENCED STANDARDS: ACI 318-14: BUILDING CODE REQUIREMENT FOR REINFORCED CONCRETE.

ACI 315: DETAILS AND DETAILING OF CONCRETE REINFORCEMENT. ACI 305: RECOMMENDED PRACTICES FOR HOT WEATHER CONCRETING.

3.) ALL OTHER CAST-IN-PLACE CONCRETE SHALL BE 3000 PSI AT 28 DAYS. ALL EXTERIOR

ACI 306: RECOMMENDED PRACTICES FOR COLD WEATHER CONCRETING. 2.) ALL CAST-IN-PLACE INTERIOR SLAB CONCRETE SHALL BE 3500 PSI AT 28 DAYS WITHOUT AIR ENTRAINMENT AND WITH THE APPROPRIATE CURE SEALER.

CONCRETE SHALL HAVE STANDARD AIR ENTRAINMENT (ACI 318-TABLE 4.2.1). 4.) REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A-615 GRADE-60.5. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185. ONLY FLAT SHEETS SHALL BE USED. 5.) ALL WELDED WIRE FABRIC SPLICES SHALL BE NOT LESS THAN (2) SPACINGS OF CROSS WIRES OR

MINIMUM LAP SPLICE AND ANCHORAGE DIMENSION TABLE #1 Fy = GRADE 60, NON-COATED BARS

3000 PSI CONCRETE

6", WHICHEVER IS GREATER.

| | | DEVELOPMENT |
|---------|-----------|-------------|
| | LAP | LENGTH |
| BAR SIZ | ZE SPLICE | (ANCHORAGE) |
| #3 | 21" | 16" |
| #4 | 28" | 22" |
| #5 | 35" | 27 " |
| #6 | 43" | 33" |

1. WHEN LAPPING TWO DIFFERENT SIZE BARS, USE THE LAP DIMENSION OF THE SMALLER BAR OR THE ANCHORAGE DIMENSION OF THE LARGER BAR. USE WHICHEVER DIMENSION IS LARGER.

D. <u>MASONRY</u>

ALL DESIGN, MATERIALS, LABOR AND CONSTRUCTION OF THE MASONRY SHALL CONFORM TO THE BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530-13/ASCE 5-13/TMS 402-13) AND THE SPECIFICATION FOR MASONRY STRUCTURES (ACI 530-13/ASCE 6-13/TMS

2. ALL HOLLOW CONCRETE BLOCK SHALL CONFORM TO ASTM C-90 WITH A NET COMPRESSIVE

STRENGTH OF 2000 PSI. . MORTAR SHALL BE ASTM C 270, TYPE "S", SPECIFIED BY PROPORTION.

4. AGGREGATE FOR MORTAR SHALL BE ASTM C 144. AGGREGATE FOR GROUT ASTM C404. 5. ALL MASONRY GROUT SHALL CONFORM TO ASTM C 476, SPECIFIED BY PROPORTION, AND SHALL

HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2,000 P.S.I. 6. REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A-615 GRADE-60.

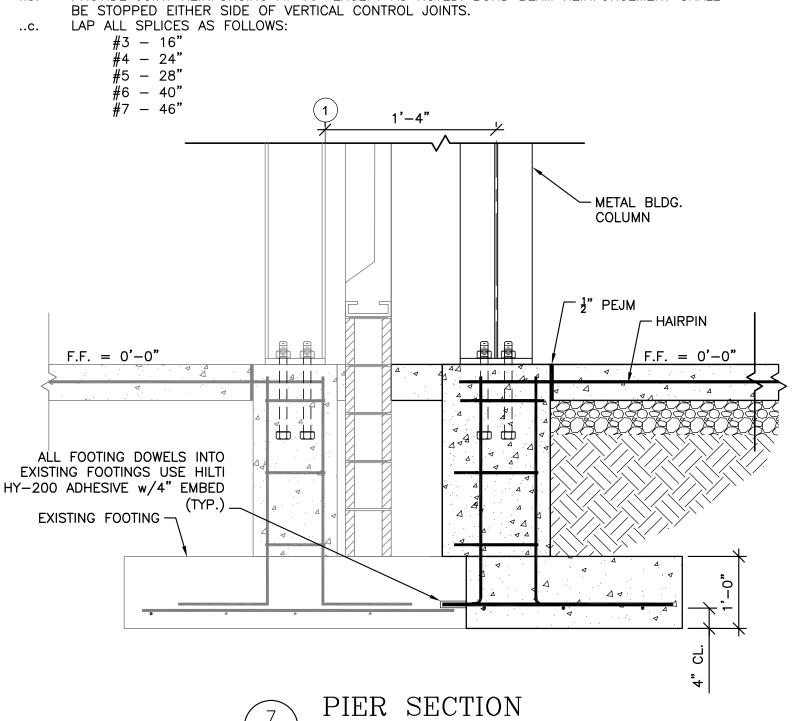
WELDING OF REINFORCING STEEL SHALL CONFORM TO ANSI/AWS D1.4-92. 7. ALL INTERSECTING MASONRY WALLS AND PILASTERS SHALL BE IN RUNNING BOND WITH AT LEAST

50% OF THE MASONRY UNITS INTERLOCKING AT THE INTERFACE. 8. LAY MASONRY UNITS WITH FULL MORTAR COVERAGE ON HORIZONTAL AND VERTICAL FACE SHELLS. BED WEBS IN MORTAR IN STARTING COURSE ON FOOTING AND IN ALL COURSES OF COLUMN AND PILASTERS, AND WHERE ADJACENT TO CELLS OR CAVITIES TO BE REINFORCED OR FILLED WITH

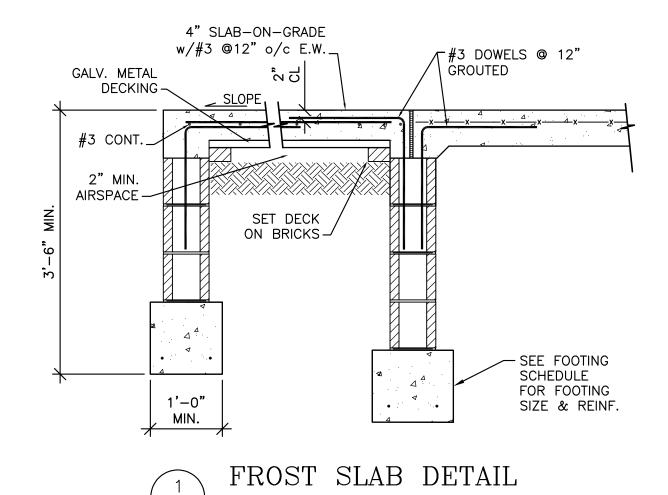
CONCRETE OR GROUT. 9. MISCELLANEOUS:

FILL CORE SOLID AROUND ANCHOR BOLTS, EMBEDDED STEEL AND REINFORCING.

PROVIDE JOINT REINFORCING AT 16" EXCEPT AS NOTED. BOND BEAM REINFORCEMENT SHALL



3/4" = 1'-0"



METAL BLDG.

SIDING -

SEE ARCHITECTURAL PLAN FOR

- METAL BLDG.

— HAIRPIN

F.F. = 0'-0"

SEE FOOTING & PIER

- SIZE & REINFORCEMENT

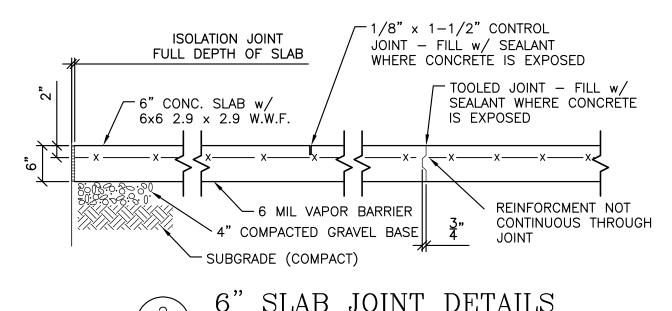
SCHEDULE FOR

COLUMN

| | | | | | |

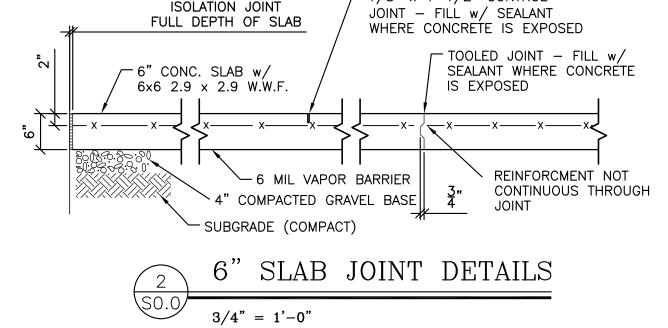
PIER SECTION

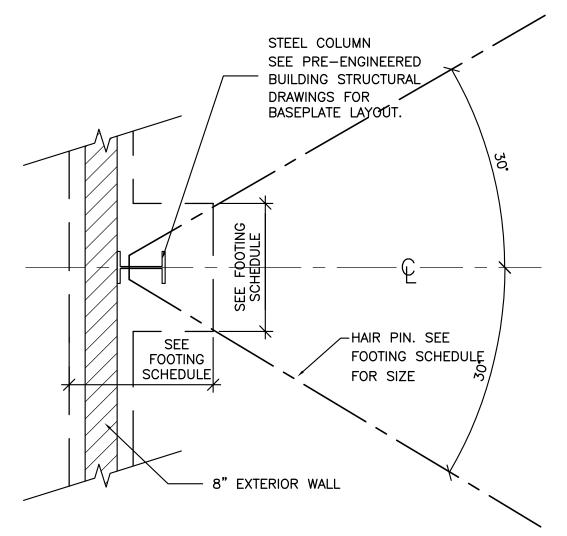
EXACT DIMENSIONS OF FROST SLAB.



. CONSTRUCTION JOINTS SHALL BE LOCATED AT THE END OF ANY SINGLE POUR. CONSTRUCTION JOINT MAY REPLACE A CONTROL JOINT. PROVIDE ISOLATION JOINTS AT THE FACE OF ALL COLUMNS, WALLS, PIERS AND ADJACENT CONSTRUCTION.

4. SPACING OF CONTROL JOINTS SHALL BE BETWEEN 12' TO 18' o/c.

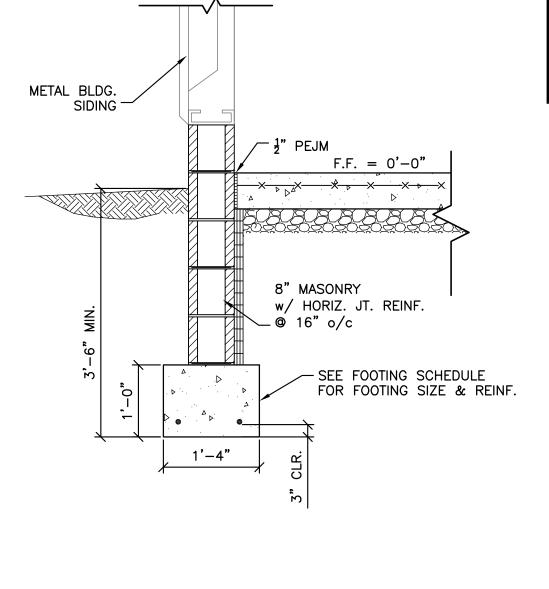






#4 CONT. #5 DOWELS @ 16" SEE FOOTING SCHEDULE FOR FOOTING SIZE & REINF.

SECTION @ GARAGE DOOR



REVISIONS:

E-54002

7/29/2021

PARI EPH

REI OSI

IOITIC NOI

HOUSE ABRIC

EV OA

MEADO

OTTED

OHO

EXTERIOR WALL SECTION

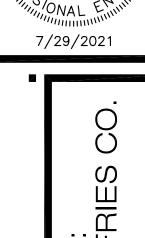
1/2" = 1'-0"

TE OF R.W.MEADOWS 6781 PAED ARC RODNEY W. MEADOWS LICENSE #6781 EXPIRATION DATE 12-31-2021

> THIS DWG: NOTES & **DETAILS**

COMM **DATE** 07-29-2021

DWG



MOTTED MEADOWS

A R C H I T E C T 8

ATE OF . R.W.MEADOWS 6781 RODNEY W. MEADOWS LICENSE #6781 EXPIRATION DATE 12-31-2021

THIS DWG: FOUNDATION PLAN

COMM **DATE** 07-29-2021

DWG

STEEL LINE 150'-0" 25'-0" 25'-0" 25'-0" 25**'**-0" 25'-0" 25'-0" 6" SLAB-ON-GRADE SAWCUT 1½ EXISTING ! w/6x6-W2.9xW2.9 W.W.F

1 - FROST SLAB, SEE DETAIL 1/S0.0.

FOUNDATION NOTES:

- 1. CONTRACTOR SHALL COORDINATE ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL AND PEMB DRAWINGS PRIOR TO
- CONSTRUCTION.
- FOR ADDITIONAL INFORMATION AND REQUIREMENTS, SEE TYPICAL DETAILS AND GENERAL NOTES.
 SAWCUT JOINTS IN SLAB-ON GRADE SHALL BE MADE AFTER CONCRETE HAS TAKEN INITIAL SET BEFORE CONCRETE SHRINKAGE STRESSES ARE INCURRED.
 TOP OF FOUNDATIONS = 97'-4" U.N.O.
 COLUMNS TO BEAR @ 100'-0"
 CENTER FOOTINGS UNDER COLUMN BASE PLATES U.N.O.

| PIER SCHEDULE | | | | | | | | |
|---------------|-------|--------|----------|------------|---------|--|--|--|
| MARK | PIER | SIZE | REIN | FORCEMENT | REMARKS | | | |
| | W | D | VERTICAL | TIES | REMARKS | | | |
| P1 | 1'-6" | 2'-6" | (8) #5 | #4 @12 o/c | | | | |
| P2 | 1'-0" | 1'-10" | (4) #5 | #4 @12 o/c | | | | |

(6)

(6)

1'-0"

1'-0"

1'-0"

1'-0"

FOOTING SIZE

6'-0"

2'-6"

3'-0"

1'-4"

MARK

В

С

WF1.33

3'-6"

7'-0"

FOOTING SCHEDULE

REINFORCEMENT

#6

SIZE LOCATION

E.W.

E.W.

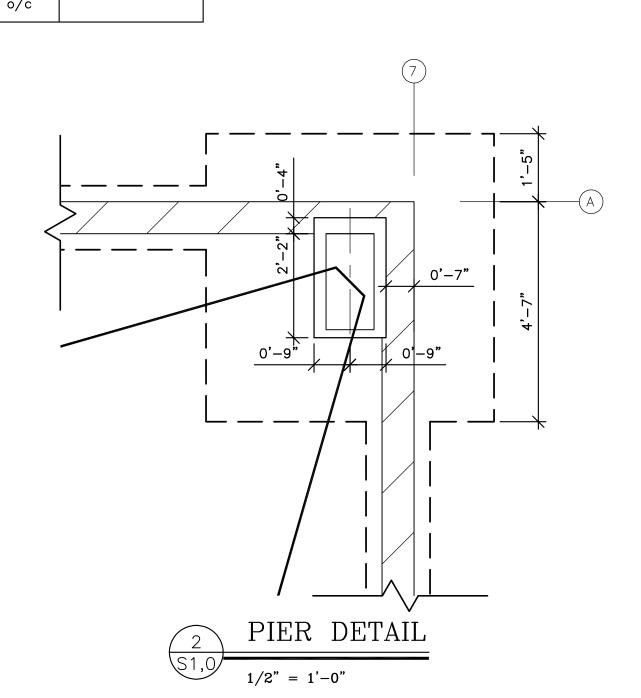
L.W. S.W.

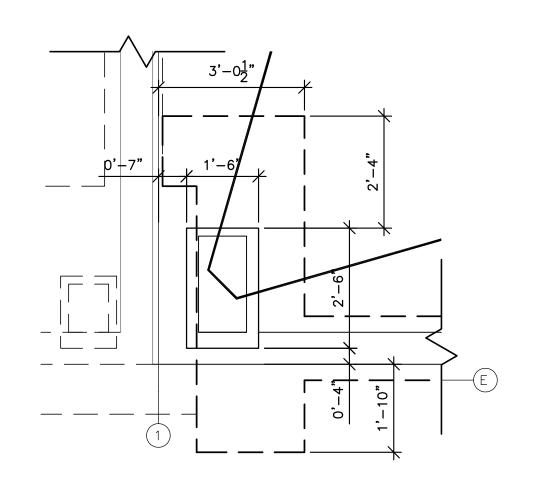
HAIRPIN

#5, 8'-0" LONG EACH LEG

#4, 8'-0" LONG EACH LEG

#4, 8" LONG EACH LEG





FOUNDATION PLAN

