

LE MARS POLE BUILDING ADDITION

1080 LINCOLN ST. NE
LE MARS, IOWA 51031

Project #: BG-5L23(001)--80-75



OFFICE OF FACILITIES SUPPORT
800 LINCOLN WAY, AMES, IOWA 50010

2009 IBC:
SECTION 304: OCCUPANCY
GROUP S-1 - STORAGE
ALLOWABLE AREA: TABLE 601 & 503
CONSTRUCTION TYPE VB: 9,000 SF ALLOWED
EXISTING POLE BUILDING: 6,000 SF
ADDITION: 2,080 SF
8,080 SF ACTUAL

FIRE SPRINKLERS/FIREWALLS REQUIRED
SECTION 903.2.9
TOTAL AREA IS LESS THAN 12,000 SF VEHICLES
STORED IN BUILDING WILL BE LESS THAN 10,000 LBS GROSS VEHICLE
WEIGHT AND NOT DESIGNED TO TRANSPORT 16 OR MORE PASSENGERS
INCLUDING DRIVER. THEREFORE, DOES NOT MEET COMMERCIAL
VEHICLE DEFINITION AND SEPARATION OF FIRE AREA EXCEEDING
5,000 SF FOR COMMERCIAL VEHICLE STORAGE DOES NOT APPLY.

EXIT REQUIREMENTS
OCCUPANT LOAD S-1: WAREHOUSE STORAGE 500 GROSS
EXISTING: 6,000 SF / 500 = 12
ADDITION: 2,080 SF / 500 = 4.16
16 OCCUPANTS

EGRESS WIDTH PER OCCUPANT
16 x .2 = 3.2 INCHES

NUMBER OF EXITS:
TABLE 1015.1
MAXIMUM OCCUPANT LOAD FOR ONE EXIT: GROUP S 29
CALCULATED OCCUPANT LOAD OF 16 IS LESS THAN 28 SO ONLY ONE
EXIT IS REQUIRED. ONE EXIT PROVIDED IN EXISTING AND AN EXIT
PROVIDED IN ADDITION WITH PASSENGER BETWEEN FOR TOTAL OF TWO.

INDEX OF DRAWINGS:

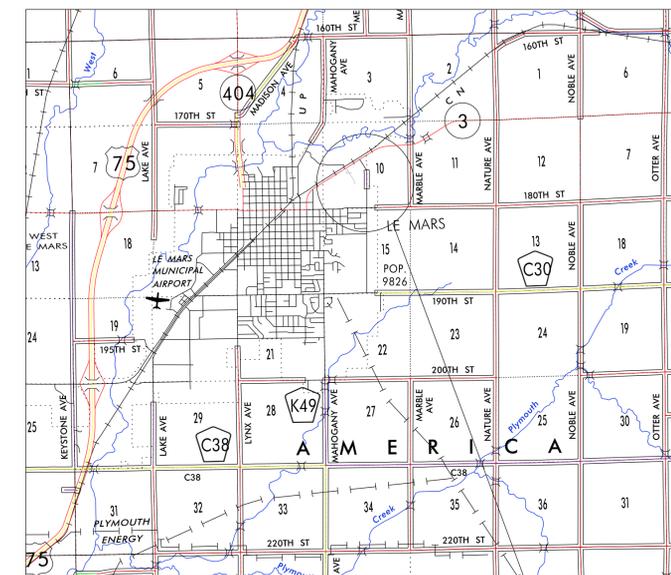
- 01 A-1 SITE MAP
- 02 A-2 FLOOR PLAN AND ELEVATIONS
- 03 A-3 WALL SECTION AND DETAILS

I hereby certify that the portion of this technical submission described below was prepared by me or under my direct supervision and responsible charge. I am a duly registered architect under the laws of the state of Iowa.

Jerry L. Burnes
Printed or typed name

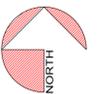
Signature _____ Date _____
30 Jun 2016 30 Aug 2010
Registration expires _____ Date issued _____

Pages or sheets covered by this seal: _____



PROJECT LOCATIONS

SCALE: N.T.S.





SITE PLAN
SCALE: 1" = 40'

GENERAL NOTES:

1. THE LOCATION OF ALL AERIAL AND UNDER GROUND UTILITY LINES ARE APPROXIMATE OR MAY NOT BE INDICATED IN THESE PLANS. UNDERGROUND FACILITIES, WHETHER INDICATED OR NOT, WILL BE LOCATED AND FLAGGED BY THE UTILITIES AT THE REQUEST OF THE CONTRACTOR. NO EXCAVATION WILL BE PERMITTED IN THE AREA UNTIL ALL SUCH UNDER GROUND UTILITIES HAVE BEEN LOCATED AND IDENTIFIED TO THE SATISFACTION OF ALL PARTIES AND THEN ONLY WITH EXTREME CARE TO AVOID ANY POSSIBILITY OF DAMAGE TO THE UTILITIES
2. CALL FOR EXISTING UTILITY LOCATION STAKES A MINIMUM OF 48 HOURS PRIOR TO DIGGING
3. HAUL ALL DEBRIS RESULTING FROM CONSTRUCTION OPERATIONS OFF-SITE AND DISPOSE OF PROPERLY
4. FURNISH AND MAINTAIN ALL NECESSARY BARRICADES, WARNINGS, SIGNS, LIGHTS AND FLAG MEN AS NECESSARY FOR CONSTRUCTION OPERATIONS FOLLOW IOWA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS
5. PROTECT BY WHATEVER MEANS REQUIRED ALL FENCES, SIGNS, STRUCTURES, UTILITIES, STREETS, BUSHES, TREES, ETC. WHICH ARE NOT DESIGNED FOR REMOVAL; OR ARE OUTSIDE THE LIMITS OF CONSTRUCTION
6. PROVIDE POSITIVE DRAINAGE AT ALL TIMES WITHIN THE CONSTRUCTION AREA. DO NOT ALLOW WATER TO POND IN EXCAVATION AREAS, AND MAINTAIN ALL EXISTING DRAINAGE PATTERNS
7. RIDGE VENT TO BE USED ON ENTIRE LENGTH OF ROOF TO ALLOW EXHAUST FUMES TO ESCAPE
8. ROOF TO BE BUILT WITH NO OVERHANGS ON GABLE ENDS AND 1'-1 1/2" OVERHANGS ON HIP SIDES

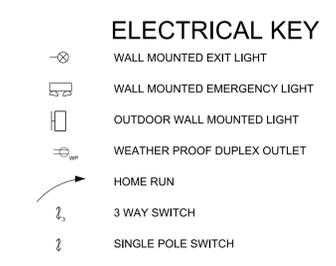
SLAB SPECS

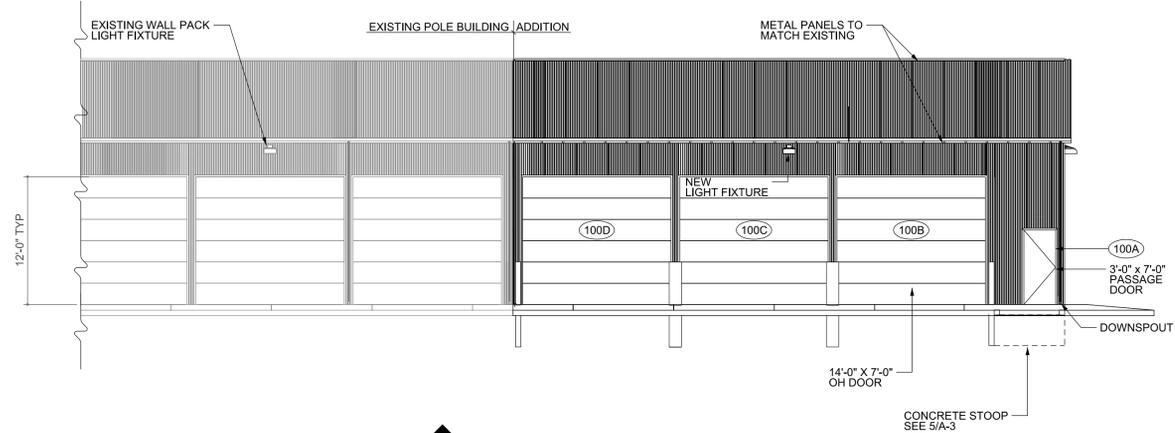
1. COLD STORAGE ROOM 100 SHALL RECEIVE 8" COMPACTED GRANULAR FILL AND 6" CONCRETE SLAB WITH #4 BARS AT 24" OC BOTHWAYS. SLOPE SLAB AT 1/8" PER FOOT TOWARDS OH DOORS
2. PROVIDE 14" AND 6" DOOR GUARD BOLLARDS AS NOTED AND POUR 6" THICK BY 6-FOOT-WIDE APPROACH APRON SLOPED AT 1%
3. MIN CONCRETE COMPRESSIVE STRENGTH, F'C=4000 PSI
4. SEE SHEET A-2 FOR SLAB JOINT SPACING
5. EXCAVATE AND RECOMPACT TO 95% PROCTOR THE TOP 2'-0" PLUS ANY ADDITIONAL CLASS 10 FILL NEEDED TO FINISH THE BUILDING PAD
6. AFTER THE BUILDING PAD IS PREPARED, UP TO 6" OF COMPACTED SAND SHALL BE USED FOR FINAL GRADE BELOW SLAB

POLE BUILDING DOOR & FRAME SCHEDULE												
NO.	OPENING SIZE		DOOR			FRAME			HARDWARE GROUP	STL - STEEL		
	W	H	TYPE	MATL	THK	GLASS	TYPE	MATL			WIDTH	HGT
100A	3'-0"	7'-0"	D4	STL	1 3/4	10 X 10	F2	STL	3'-4"	7'-4"	SET 1	DOOR HARDWARE SETS: SET 1 - HINGES, LEVER LOCKSET, PANIC DEVICE, CLOSER, WEATHER STRIPPING, DOOR STOP, THRESHOLD
100B	14'-0"	12'-0"	0H4	STL	2	---	---	STL	---	---	---	
100C	14'-0"	12'-0"	0H4	STL	2	---	---	STL	---	---	---	
100D	14'-0"	12'-0"	0H4	STL	2	---	---	STL	---	---	---	

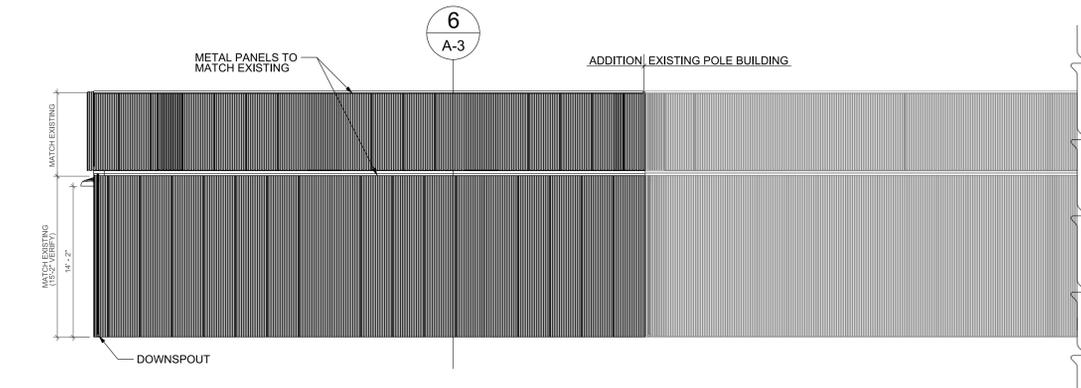
LIGHT FIXTURE SCHEDULE									
NO.	MFR	MODEL #	DIMENSIONS	LAMPS	VOLTS	DRIVER	POWER	OTHER	
F-1	LITHONIA	BPF1800LM-MD	44"L X 15 1/4"W X 4 3/8"H	4000 K 16000 LM	120-277	ELECTRONIC DRIVER	198W		
F-2	LITHONIA	WST LED-2-10A700040K	9 1/8"W X 14 1/4"L X 11 3/8"D	4000 K 4000 LM	120-277	ELECTRONIC DRIVER	47W	WALL PACK - MATCH EXIST.	
E-1	DLIGHT ALARMS	V7622-CW4	7"H X 17 3/4"W X 5 3/4"D	(2) - 12V	120-277	NA	100W		
X-1	DUAL-LITE	SESRW	9"H X 13"W X 1 7/8"D	RED LEDS	120-277	NA	4W		

EXISTING SQ. 'D' ELEC. PANEL 'C'			
		100A BREAKER	
1	EXISTING	20A	20A
2	EXISTING	20A	20A
3	EXISTING	20A	20A
4	EXISTING	20A	20A
5	EXISTING	20A	20A
6	EXISTING	15A	20A
7	EXISTING	15A	20A
8	EXISTING	20A	20A
9	EXISTING	20A	20A
10	EXISTING	15A	20A
11	EXISTING	15A	20A
12	EXISTING	15A	20A
13	EXISTING	15A	20A
14	EXISTING	15A	20A

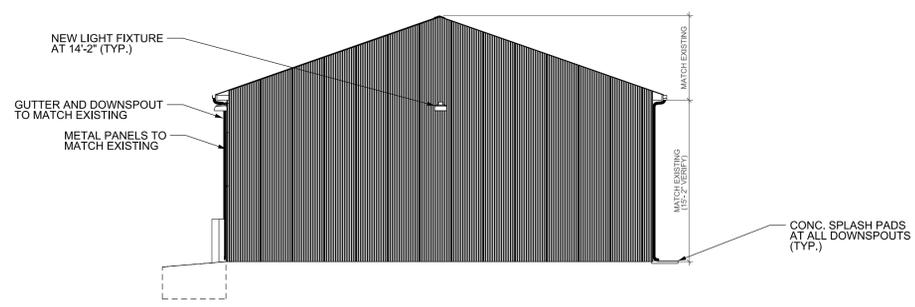




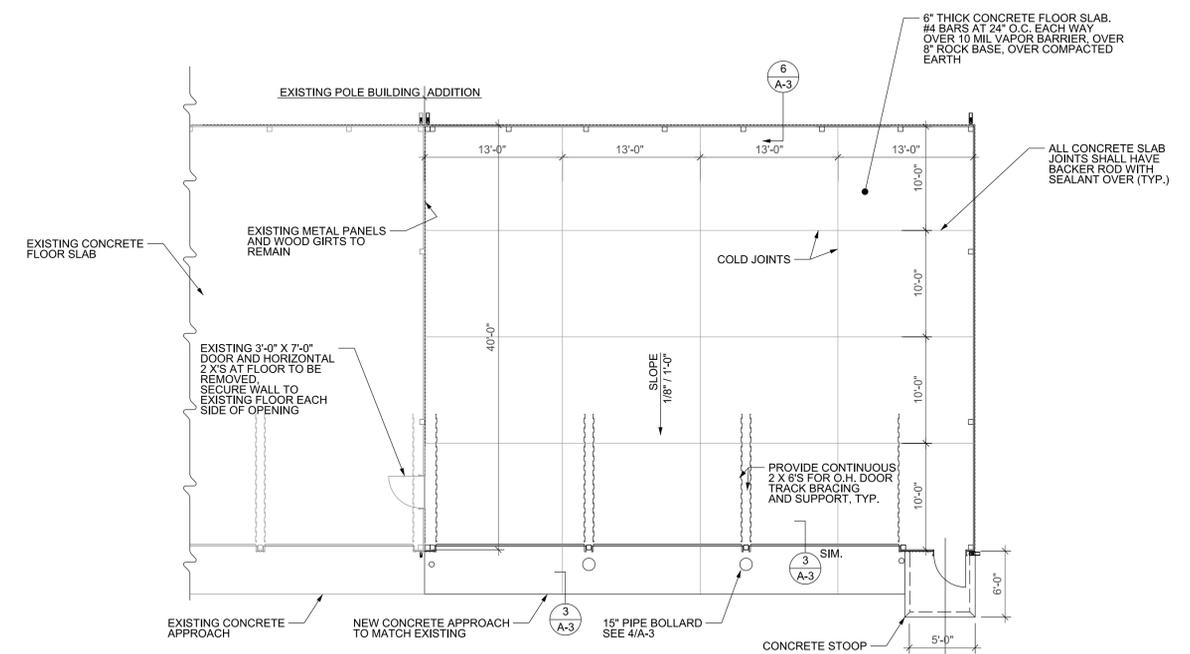
1 EAST ELEVATION
SCALE: 1/8" = 1'-0"



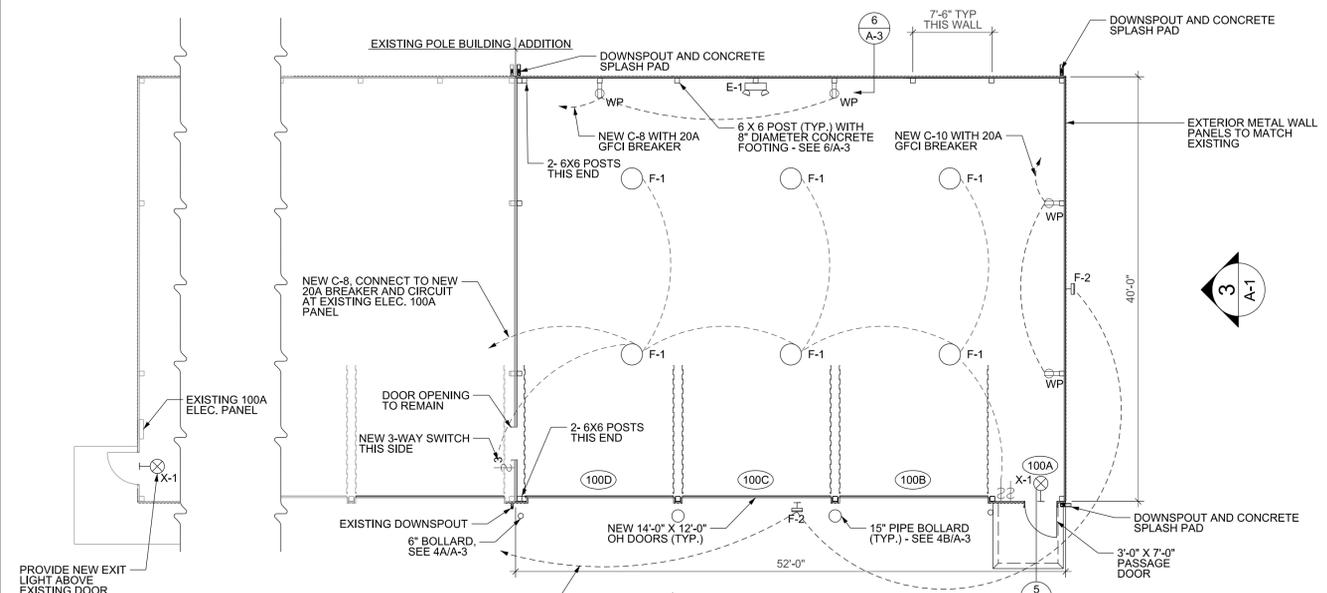
2 WEST ELEVATION
SCALE: 1/8" = 1'-0"



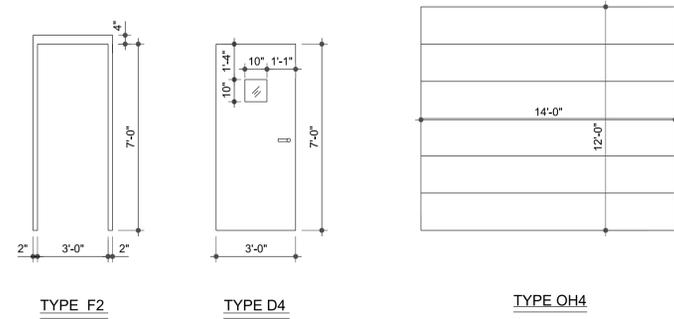
3 NORTH ELEVATION
SCALE: 1/8" = 1'-0"



SLAB PLAN
SCALE: 1/8" = 1'-0"



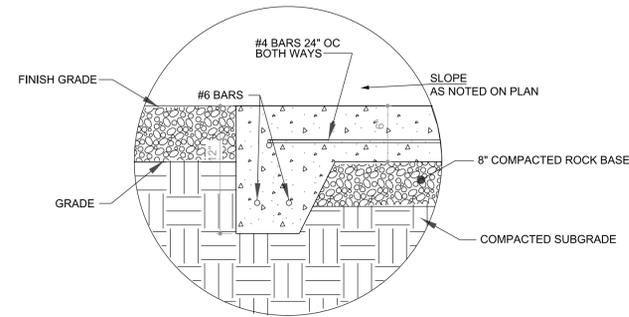
FLOOR PLAN
SCALE: 1/8" = 1'-0"



NOTE: SEE DOOR SCHEDULE, SHEET A-1

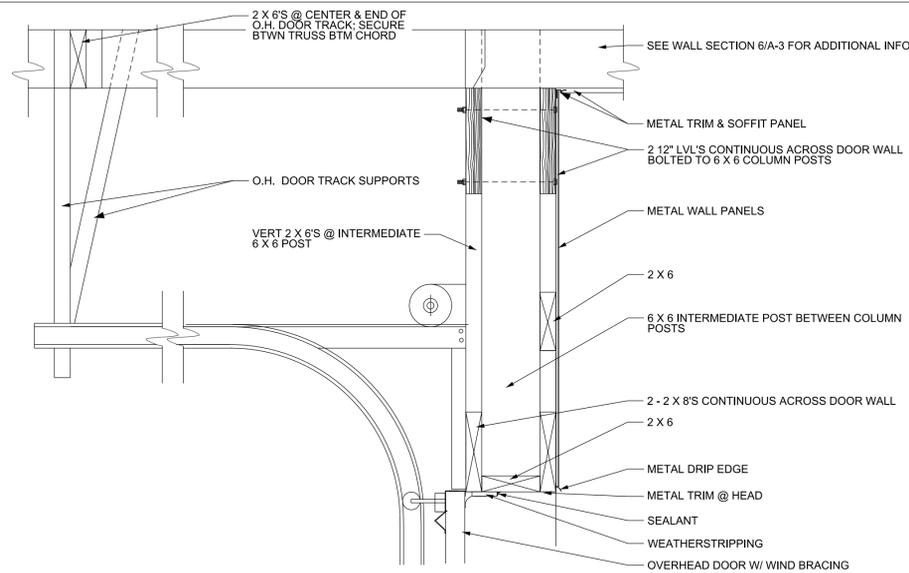
1 DOOR ELEVATIONS

SCALE: N.T.S.



3 APPROACH SLAB DETAIL

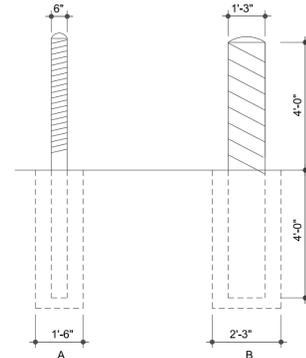
SCALE: N.T.S.



2 OVERHEAD DOOR DETAIL

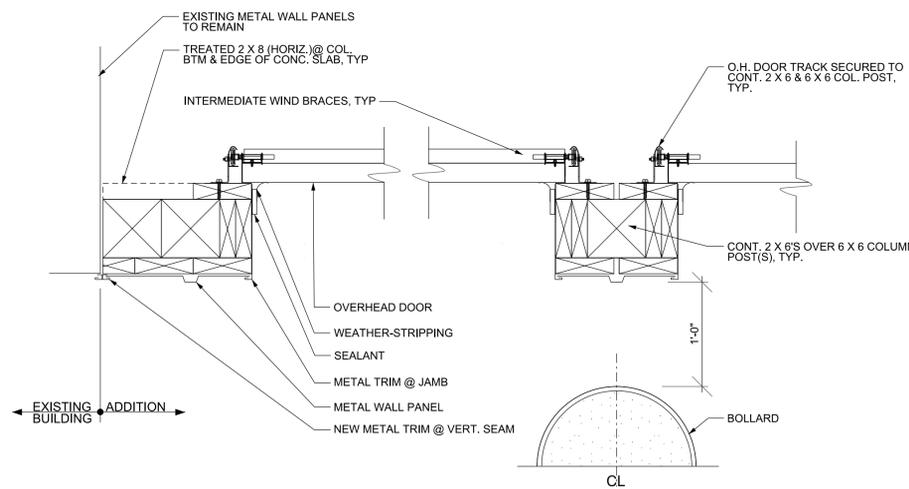
SCALE: N.T.S.

1. USE SAW-CUT CORRUGATED GALVANIZED STEEL PIPE
2. SET PIPES IN CONCRETE
3. FILL WITH CONCRETE AND ROUND OVER TOP
4. PAINT
5. CENTER ON DOOR FRAME OR BETWEEN O.H. DOORS, 14" MIN. DISTANCE AWAY FROM BUILDING



4 BOLLARDS

SCALE: N.T.S.

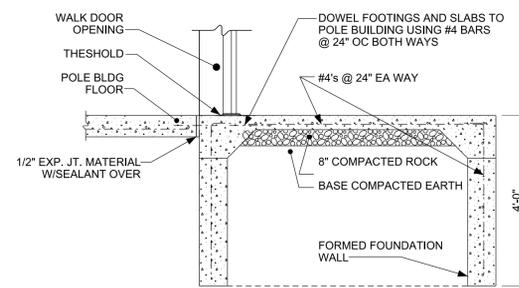


3a O.H. DOOR JAMB DTL.

SCALE: N.T.S.

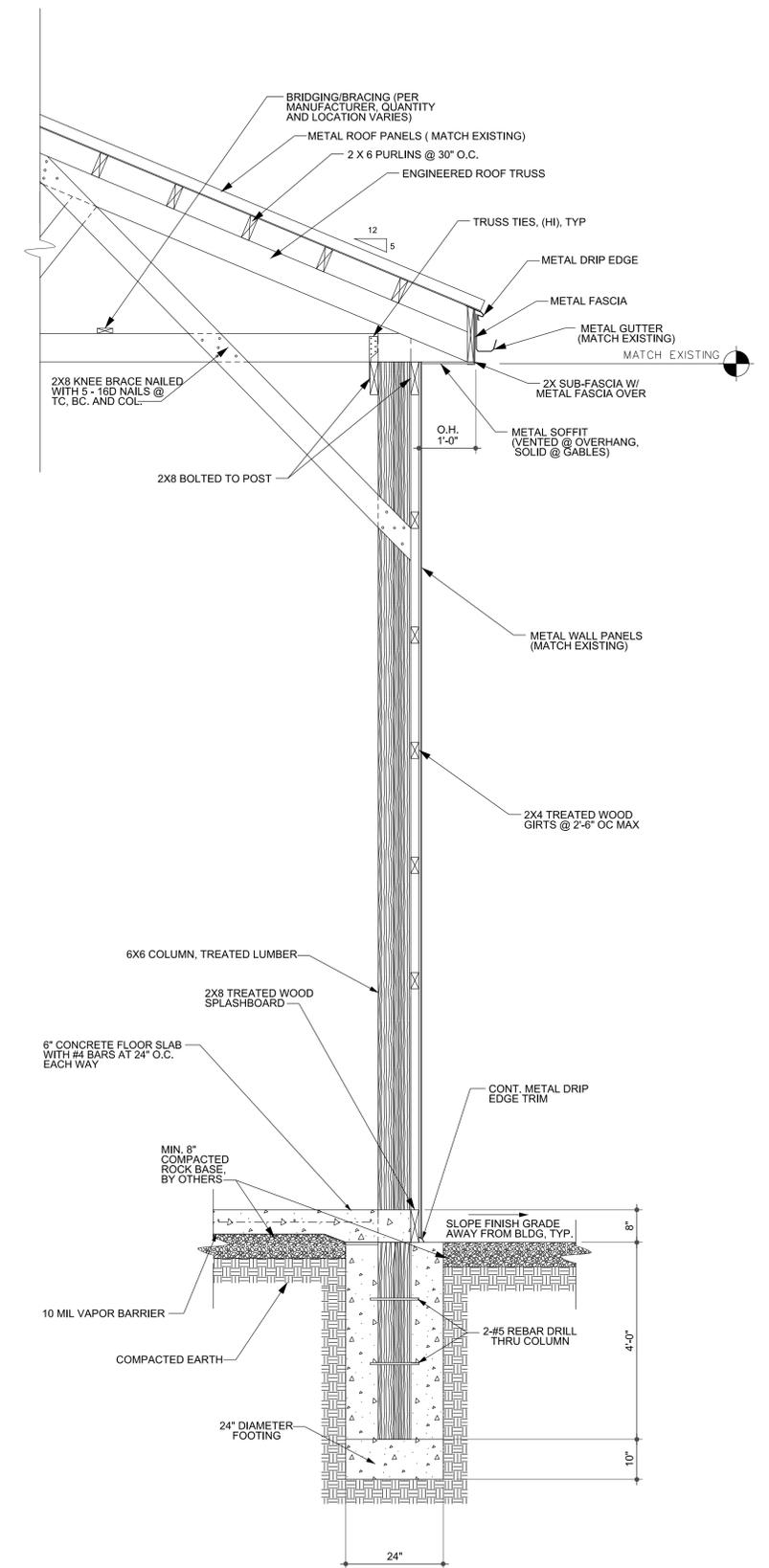
3b O.H. DOOR JAMB DTL.

SCALE: N.T.S.



5 STOOP FOOTING AND SLAB

SCALE: N.T.S.



6 WALL SECTION

SCALE: 1"=1'-0"