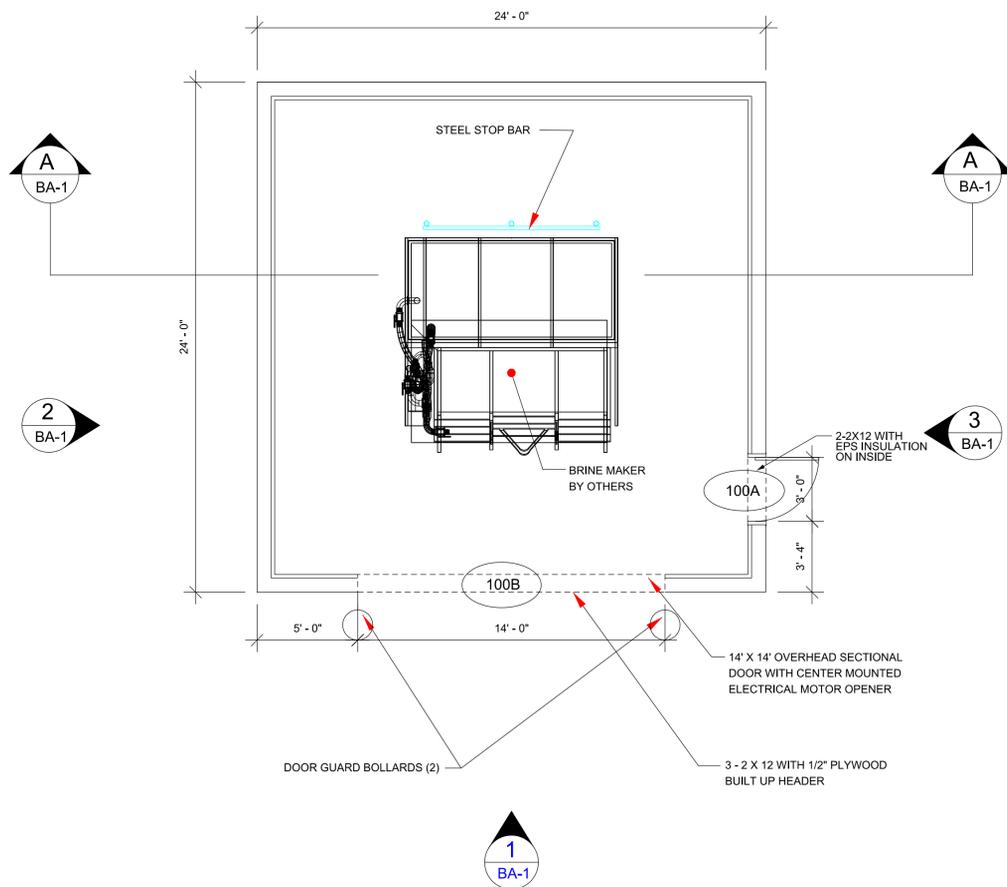
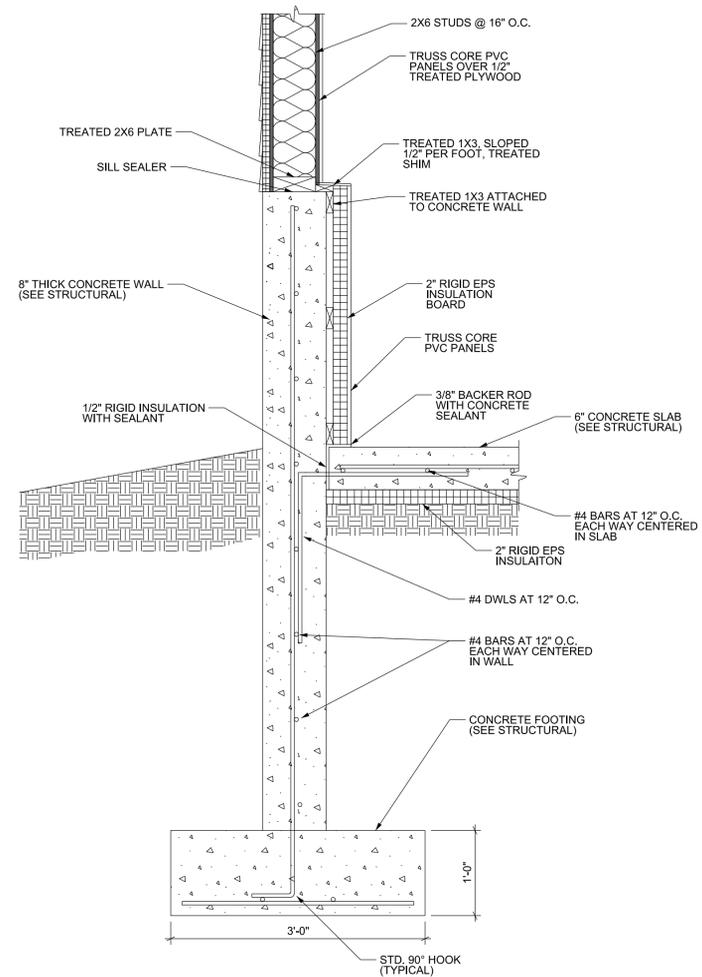
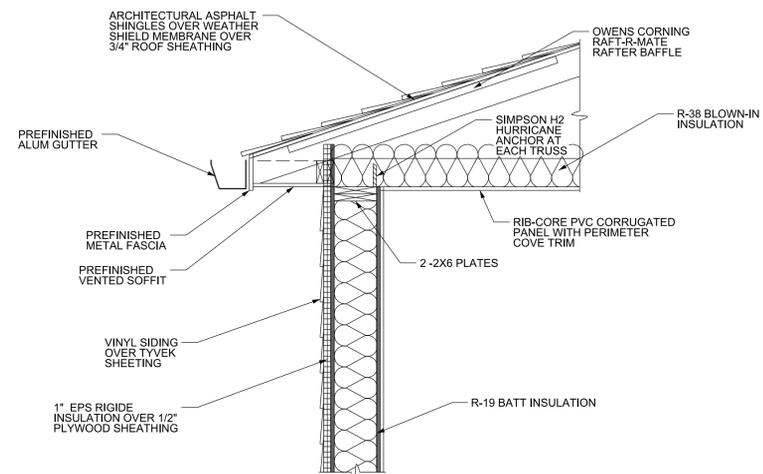


3 **PASSAGE DOOR HEADER**
SCALE: NTS



1 **ENLARGED FLOOR PLAN**
SCALE: 1/4"=1'-0"



2 **BRINE WALL SECTION**
SCALE: 1"=1'-0"

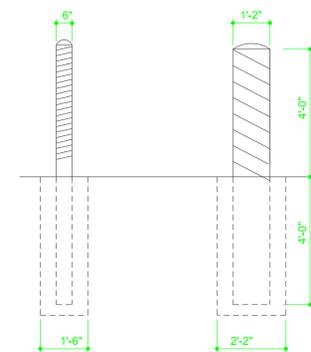
NOTES:

- PERFORM ALL SITE WORK IN ACCORDANCE WITH THE IOWA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, AS AMENDED TO DATE.
- 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.
- CALL FOR EXISTING UTILITY LOCATION STAKES A MINIMUM OF 48 HOURS PRIOR TO DIGGING.
- HAUL ALL DEBRIS RESULTING FROM CONSTRUCTION OPERATIONS OFF-SITE AND DISPOSE OF PROPERLY.
- FURNISH AND MAINTAIN ALL NECESSARY BARRICADES, WARNINGS SIGNS, LIGHTS AND FLAGMEN AS NECESSARY FOR CONSTRUCTION OPERATIONS. FOLLOW IOWA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.
- 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.
- 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.
- STRUCTURAL CONCRETE SHALL BE CONSTRUCTED IN ACCORDANCE WITH IOWA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS
- CONTRACTOR TO REMOVE ALL TOP SOIL.
- EXCAVATE AND RECOMPACT TO 90% PROCTER THE TOP 2'-0" PLUS ANY ADDITIONAL CLASS 10 FILL NEEDED TO FINISH THE BUILDING PAD
- USE 9" OF 1" CRUSHED LIMESTONE FILL UNDER SLAB AND FOOTINGS
- AFTER THE BUILDING PAD IS PREPARED, UP TO 6" OF COMPACTED SAND SHALL BE USED FOR FINAL GRADE BELOW SLAB
- CONTRACTOR TO PROVIDE FOR LOAD TRANSFER BETWEEN SAWCUT SLAB AREAS, 1 1/4" DIA X 18" GREASED STEEL DOWELS @ 12" CENTERS PLACED AT MID-DEPTH OF SLAB (DOWEL BASKET ASSEMBLY LIKE THOSE COMMONLY USED FOR HIGHWAY PAVEMENT JOINTS)
- WITHIN INDIVIDUAL SLAB AREAS, PROVIDE ONE MAT OF REBAR CONSISTING OF #4 DIA X 18" OC IN EACH DIRECTION TO BE CHAIRED 3" FROM THE TOP OF SLAB. THE REBAR MAT IS TO BE DISCONTINUOUS AT THE JOINTS
- CONCRETE CONTRACTOR TO INSTALL GALVANIZED ANCHOR BOLTS IN TOP OF KNEE WALLS 12" X 14" @ 4'-0" O.C. AND WITHIN 12" OF EACH OPENING AND CORNERS
- STOP BAR IS (3) 3" DIA X 5'-0" LONG HEAVY STEEL PIPES SET INTO CONCRETE AT 4'-0" OC AND A C5 X 6.9 CHANNEL AT 1'-6" AFF FILL PIPES WITH CONCRETE
- CONTRACTOR TO INSTALL 2-2" CONDUITS FROM GARAGE UTILITY ROOM TO BRINE BUILDING PUMPS. SEE ELECTRICAL PLAN THIS SHEET. COORDINATE WITH OWNER

SLAB ON GRADE DETAILS

BRINE MAKER ROOM AND BRINE DRIVE THROUGH THICKNESS = 6"
MIN CONCRETE COMPRESSIVE STRENGTH, F'C= 4000 PSI
SEE THIS SHEET FOR SLAB JOINT SPACING
#4 REBAR @ 18" OC BOTH WAYS

- USE SAW-CUT CORRUGATED GALVANIZED STEEL PIPE
- SET PIPES IN CONCRETE
- FILL WITH CONCRETE AND ROUND OVER TOP
- PAINT



3 **BOLLARDS**
SCALE: 1/4"=1'-0"

DISTRICT: 01

COUNTY: POLK

DES MOINES, IOWA

HIGHWAY MAINTENANCE GARAGE

BRINE BUILDING PLAN & DETAILS

IOWADOT
SMARTER SIMPLER CUSTOMER DRIVEN
OFFICE OF SUPPORT SERVICES
800 LINCOLN WAY
AMES, IOWA 50010 6515238-1299

DATE: 18 SEPT 2015
DRAWN BY: DESIGN TEAM
APPROVED: J BURNES
REVISIONS: 9 NOV 2015

02 SHEET OF 08

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