GENERAL REQUIREMENTS:

A. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION METHODS, TECHNIQUES, SEQUENCING, AND SAFETY IN COMPLIANCE WITH OSHA AND ATI CONTRACTOR'S SAFETY PROGRAM REQUIRED TO COMPLETE CONSTRUCTION.
B. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND DETAILS PRIOR TO PROCEEDING WITH CONSTRUCTION, INCLUDING:
   - ALL SITE CONDITIONS RELATED TO DEMOLITION OF EXISTING CONSTRUCTION AND THE SEQUENCE OF NEW CONSTRUCTION.
   - ALL UNDERGROUND UTILITIES, ELEVATIONS, DIMENSIONS, AND CLEARANCES.
   - DETAILS AND DIMENSIONS OF STRUCTURAL DRAWINGS AND THE REQUIREMENTS OF ALL OTHER TRADES.
C. ALL DISCREPANCIES SHALL BE APPROVED BY THE ARCHITECT OR ENGINEER OF RECORD.
D. CONTRACTOR SHALL VERIFY ALL REQUIRED PENETRATIONS ON ARCHITECTURAL, MECHANICAL AND ELECTRICAL PLANS. ALL DIMENSIONS SHALL BE FIELD VERIFIED AS EARLY AS POSSIBLE.
E. CONTRACTOR SHALL THOROUGHLY REVIEW AND REDLINE ALL SHOP DRAWINGS PRIOR TO SUBMITTAL TO THE ENGINEER AND ARCHITECT. SUBMIT SHOP DRAWINGS IN A TIMELY FASHION TO ALLOW 10 BUSINESS DAYS FOR REVIEW BY DESIGN TEAM. ALL MODIFICATIONS OR COMMENTS MADE DURING REVIEW DO NOT RELIEVE CONTRACTOR FROM COMPLIANCE WITH THE REQUIREMENTS OF THE PLANS OR SPECIFICATIONS.
F. ATI RESERVES THE RIGHT TO REJECT ANY WORK FOR WHICH THE QUALITY OF CONSTRUCTION DOES NOT MEET INDUSTRY STANDARDS OR DOES NOT COMPLY WITH THE PLANS AND SPECIFICATIONS.
G. CONCRETE SAW CUTTING SHALL BE PER PLAN OR AS DIRECTED BY PROJECT ENGINEER. CUTS SHALL BE THROUGH FULL SLAB THICKNESS. OVERCUTTING OF INSIDE CORNERS IS PROHIBITED, UNLESS APPROVED BY PROJECT ENGINEER PRIOR TO START OF CUT.
H. WORK PERFORMED BY ATI CRAFTSMEN IS REQUIRED TO COMPLY WITH ALL CONTRACTOR REQUIREMENTS AS STATED IN THIS SECTION AND IN OTHER PARTS OF THE SPECIFICATIONS.

ADHESIVE ANCHORAGE TO CONCRETE

A. ANCHOR BOLTS AND REINFORCING STEEL THAT ARE INSTALLED IN HARDENED CONCRETE SHALL BE ANCHORED USING THE FOLLOWING EPOXY SYSTEM:
   - HILTI HIT HY 200 MAX SD EPOXY ANCHORING SYSTEM, FURNISHED AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.
   - INSTALLATION OF ADHESIVE ANCHORS HORIZONTALLY OR UPWARDLY INCLINED TO SUPPORT SUSTAINED TENSION LOADS SHALL BE PERFORMED BY PERSONNEL CERTIFIED BY AN APPLICABLE CERTIFICATION PROGRAM. CONTINUOUS SPECIAL INSPECTION OF INSTALLATION IS REQUIRED.
B. ALTERNATIVE SYSTEMS SHALL NOT BE EMPLOYED WITHOUT PRIOR AUTHORIZATION FROM THE PROJECT ENGINEER. REQUESTS FOR APPROVAL OF ALTERNATE SYSTEMS SHALL BE ACCOMPANIED BY ALL REQUIRED CONSTRUCTION SUBMITTALS INCLUDING A COPY OF THE MSDS.
C. UNLESS SPECIFIED ON THE DRAWING, OR BY THE PROJECT ENGINEER, DO NOT DRILL, CUT, OR DAMAGE EXISTING REINFORCING STEEL.
D. ANCHOR BOLTS TO BE ASTM A193 (CARBON STEEL) OR ASTM F593 (STAINLESS STEEL).

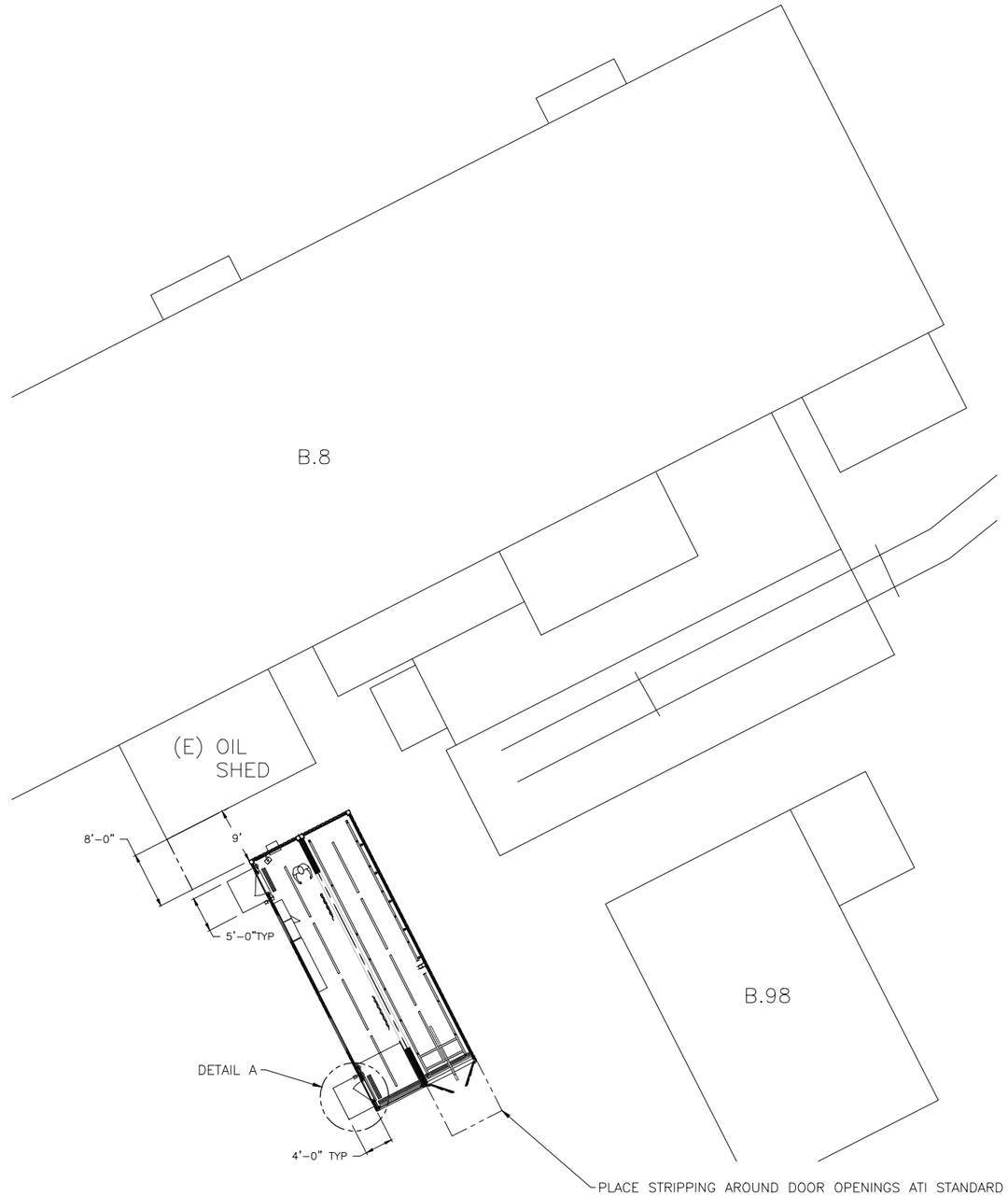
CONCRETE

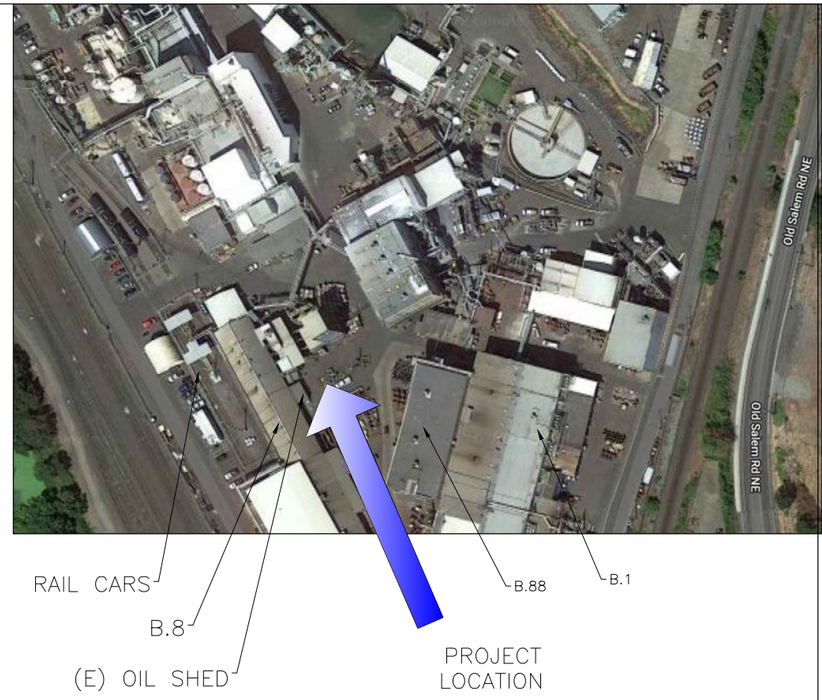
A. CONCRETE SHALL COMPLY WITH ACI 301 AND ACI 318 AS DIRECTED BY OSSC INCLUDING ALL APPLICABLE STANDARDS AND PUBLICATIONS REFERENCED THEREIN.
B. ALL STRUCTURAL CONCRETE SHALL CONFORM TO THE FOLLOWING:

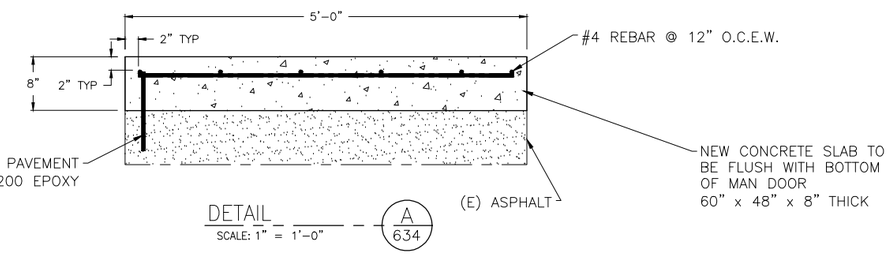
LOCATION	MAXIMUM AGGREGATE	MAX. SLUMP	MAX. WATER/CEMENT	MINIMUM F'_C
FOUNDATION	1½"	6"	.5	3,000 PSI *
SLABS-ON-GRADE	1½"	4"	.46	3,000 PSI *
TILT-UP PANELS	¾"	4"	.42	4,000 PSI *
CDF	1½"	9"	1 SACK PER YARD	500 PSI *

* STRUCTURAL DESIGN IS BASED UPON F'_C = 2,500 PSI. SPECIAL INSPECTION IS NOT REQUIRED.

C. CONTRACTOR TO SUPPLY A COPY OF ALL MIXES USED BEFORE DELIVERY ON JOB SITE.
D. CHAMFER ALL EXPOSED CONCRETE EDGES 3/4 INCH AT 45 DEGREES, U.N.O.
E. ALL CONCRETE SHALL CONFORM TO THE FOLLOWING PARAMETERS:
   1. COMPRESSIVE STRENGTH TO BE 5000 PSI MINIMUM AT 28 DAYS.
   2. CEMENT TO BE ASTM C150 TYPE I OR II
   3. AGGREGATES TO CONFORM TO ASTM C33, U.N.O
   4. ADMIXTURES, WHEN REQUIRED, TO CONFORM TO THE FOLLOWING:
      - AIR-ENTRAINING - ASTM C260
      - CHEMICAL - ASTM C494
      - CHEMICAL FLOWING CONCRETE - ASTM C1017
      - CALCIUM CHLORIDE - ASTM D98
   5. SLUMP WITHIN ACI 301 TOLERANCES FOR EACH MIX.
   6. WATER/CEMENT RATIO OF 0.45 MAXIMUM.
   7. SURFACE FINISH TO BE THE FOLLOWING: (CHOOSE ONE)
      - SMOOTH FORMED FINISH / TROWEL FINISH / BROOM FINISH
F. ANCHOR RODS TO BE ASTM F1554 GR 36 / 55 / 105







DETAIL A 634
SCALE: 1" = 1'-0"

LOCATION OF LUBE CONEX
SCALE: 3/32"=1'-0"

FOR PERMIT
Jun. 14, 22

NO.	REVISIONS			
	DEPARTMENT	OPERATIONS ENG.	PLANT ENG.	REQUESTOR (REQ'D)
0	DESCRIPTION: IFC			PROJECT No: BY: MS
1	DESCRIPTION:			PROJECT No: BY:
2	DESCRIPTION:			PROJECT No: BY:
3	DESCRIPTION:			PROJECT No: BY:
4	DESCRIPTION:			PROJECT No: BY:

DWG. NO.	REFERENCE DRAWING

TOLERANCE ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
1PL ±0.05 | 3PL ±0.005 | FRACTION ± 1/16
2PL ±0.010 | 4PL ±0.0005 | ANGLE ± 1/2°

SPECIAL SIGNATURES

DEPT. NO.	123	LOCATION	B.8
DEPT. NAME	CHEM RED. SHOP		
PROJECT NO.	3000-4786		
APPROVED BY			
DEPT.	J.CARBAUGH 6/10/2022		
DESIGNER	J.GOODWIN 6/10/2022		
OPERATION ENG.	N.PAYNE 6/13/22		
PROJECT ENG.	J.GOODWIN 6/10/2022		
PLANT ENG.	E.SIEG 6/13/22		

ATI Millersburg Operations
1600 NE Old Salem Rd.
Albany, OR 97321

CHEM OPS LUBRICTION MANAGEMENT S-211
LOCATION OF LUBE SHEAD & GENERAL INFO
PLAN LOCATION & DETAIL

DATE	SCALE	MATERIAL	PREVIOUS DWG. NO.
6/2/22	1/32"=1'		
DRAWN BY: M.SHIELDS	DISCIPLINE: C	DWG. NO.: 70634	REV.: 0
CHK'D BY: B.ADAMS 6/3/22			