

# CITY OF PARAGOULD

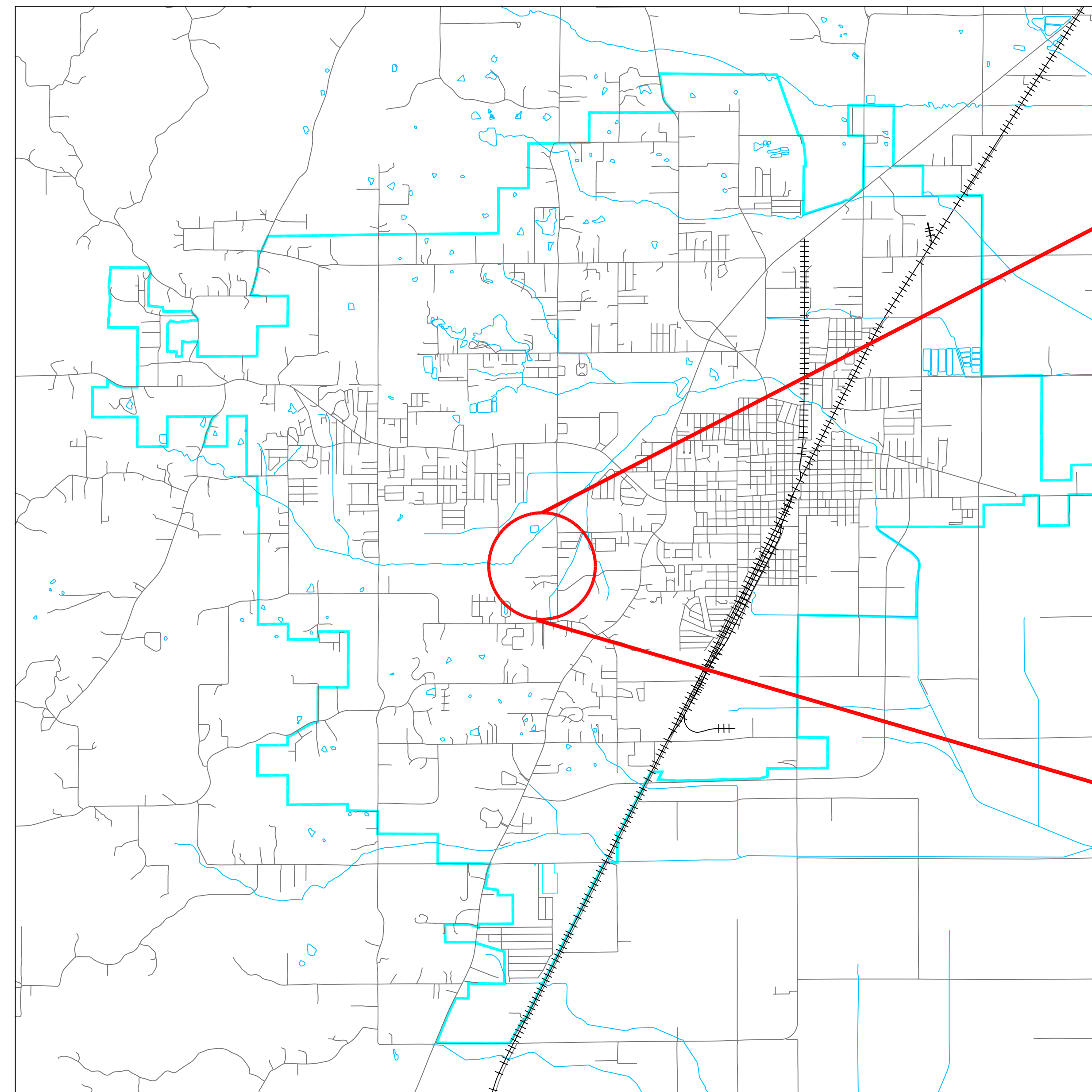


# BLAND PARK BATHROOM

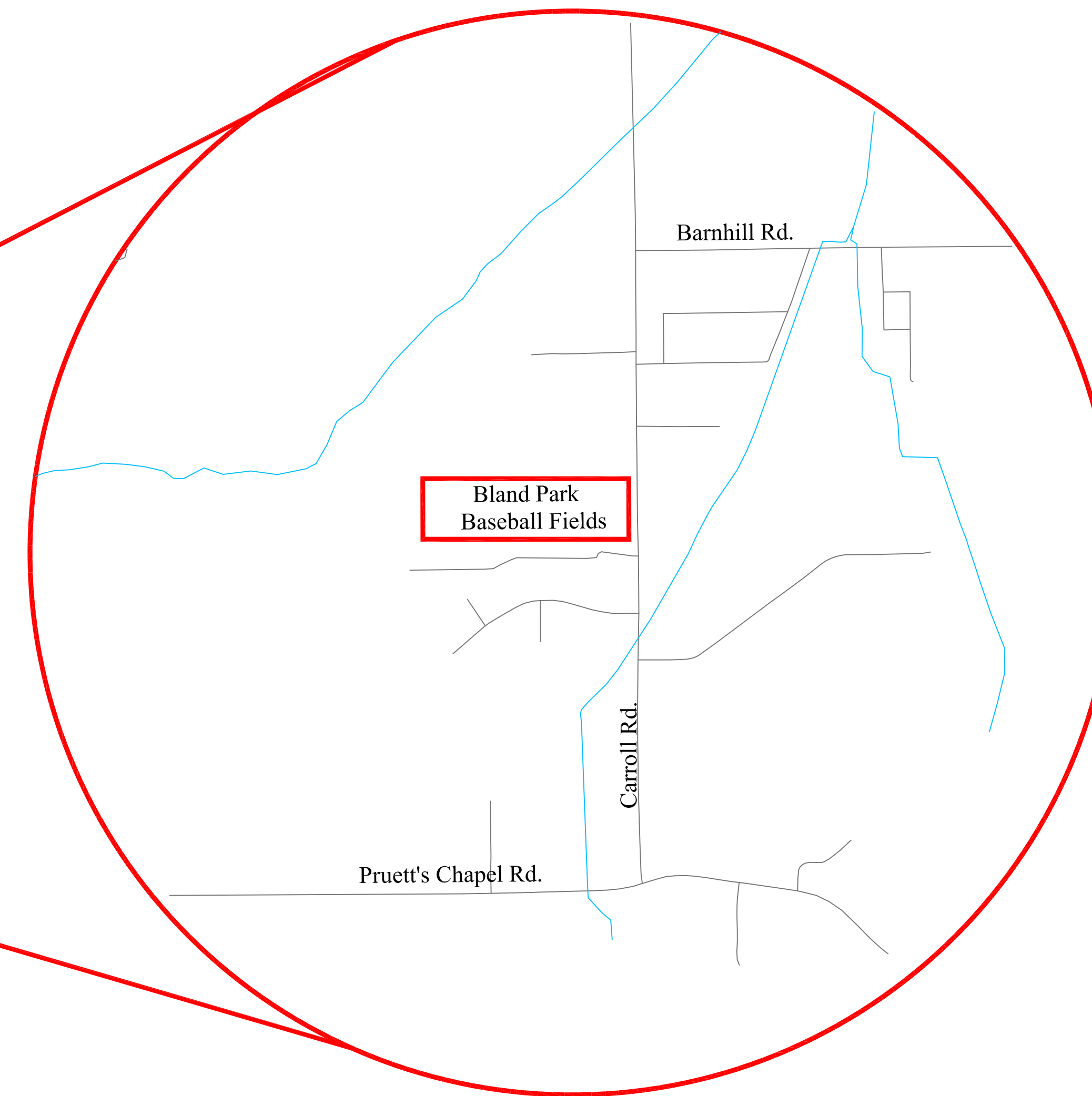
Job Number: 3322

## DRAWING INDEX:

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1	SITE PLAN
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THE CITY OF PARAGOULD

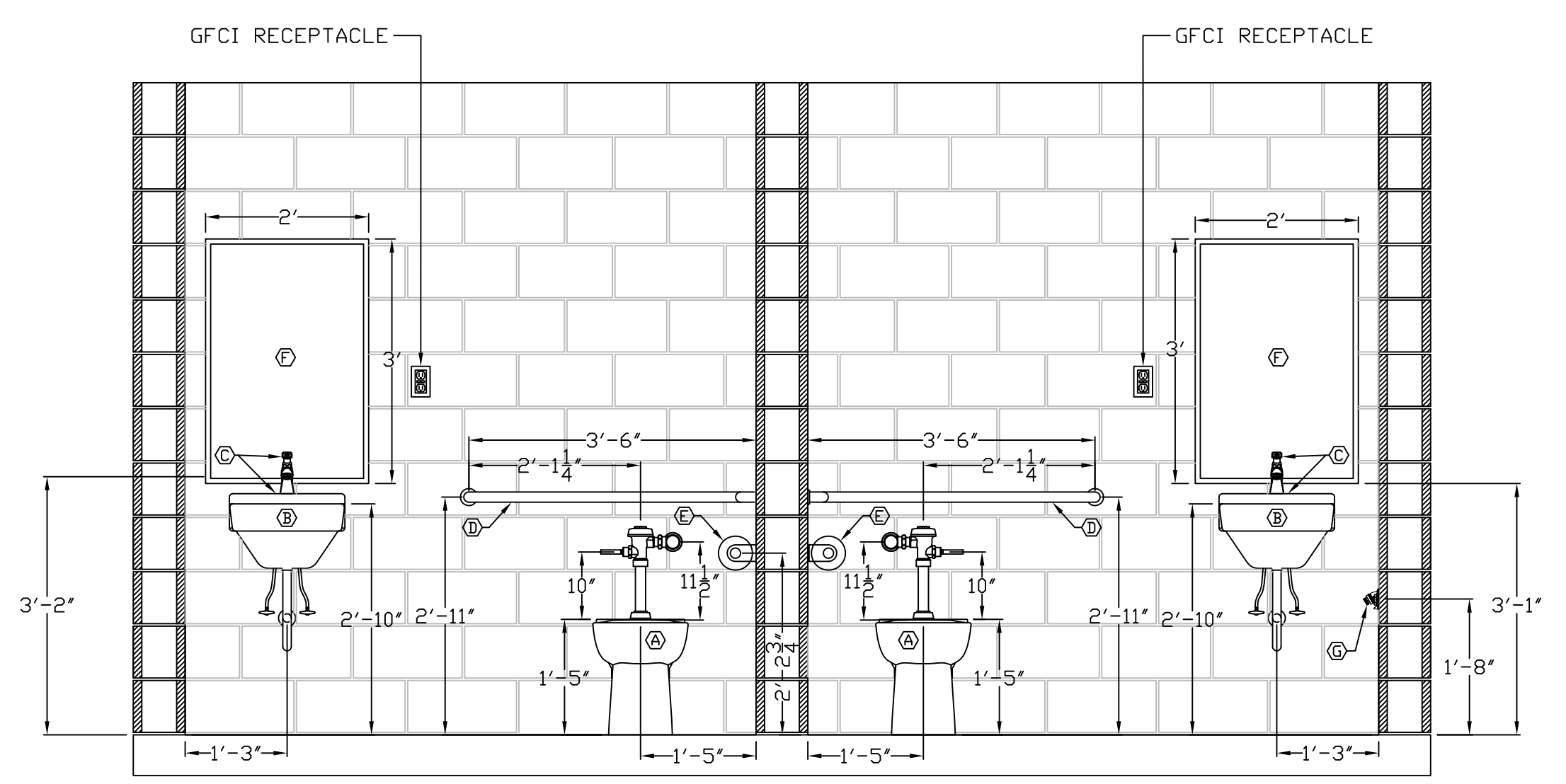
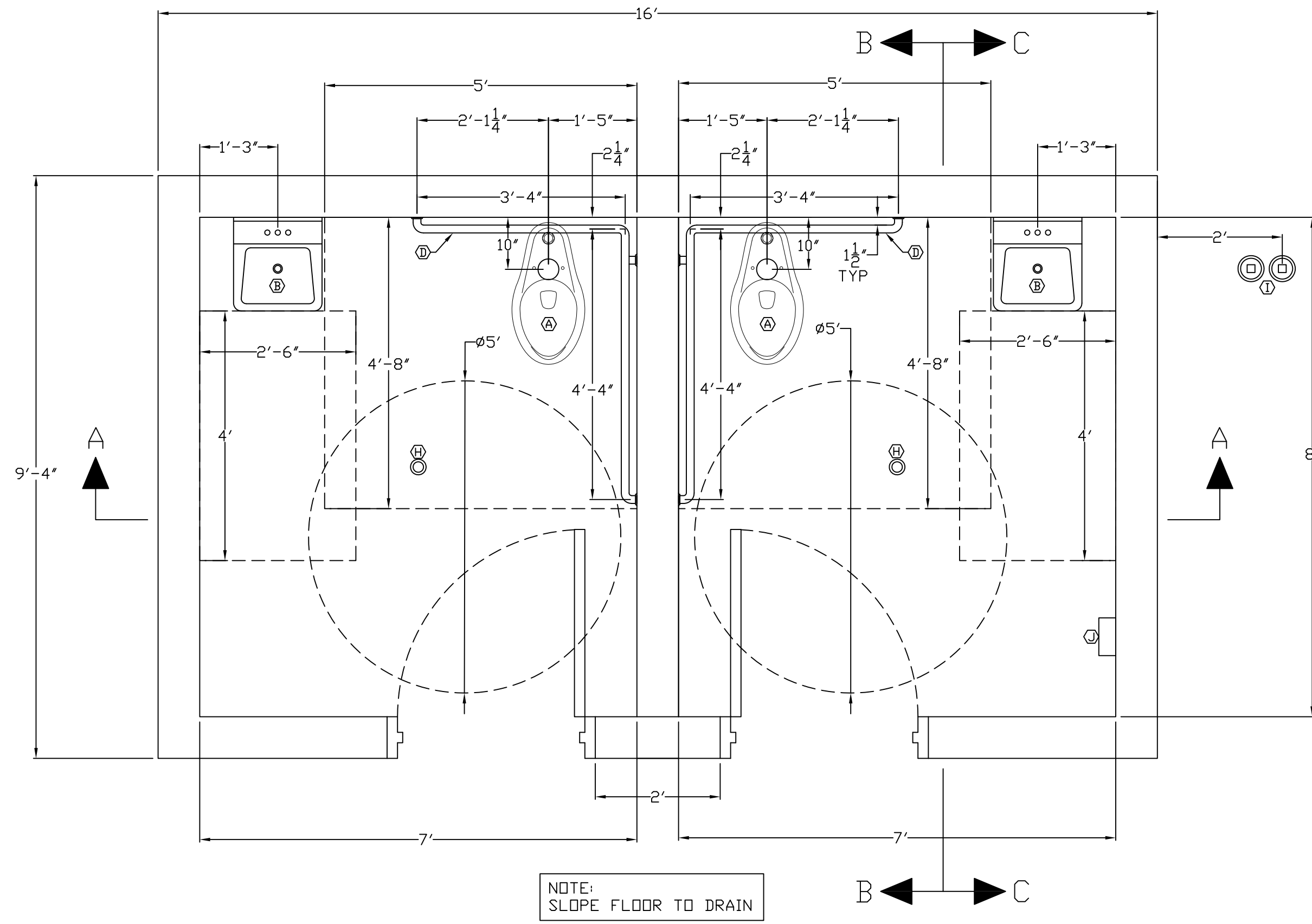


VICINITY MAP  
NO SCALE

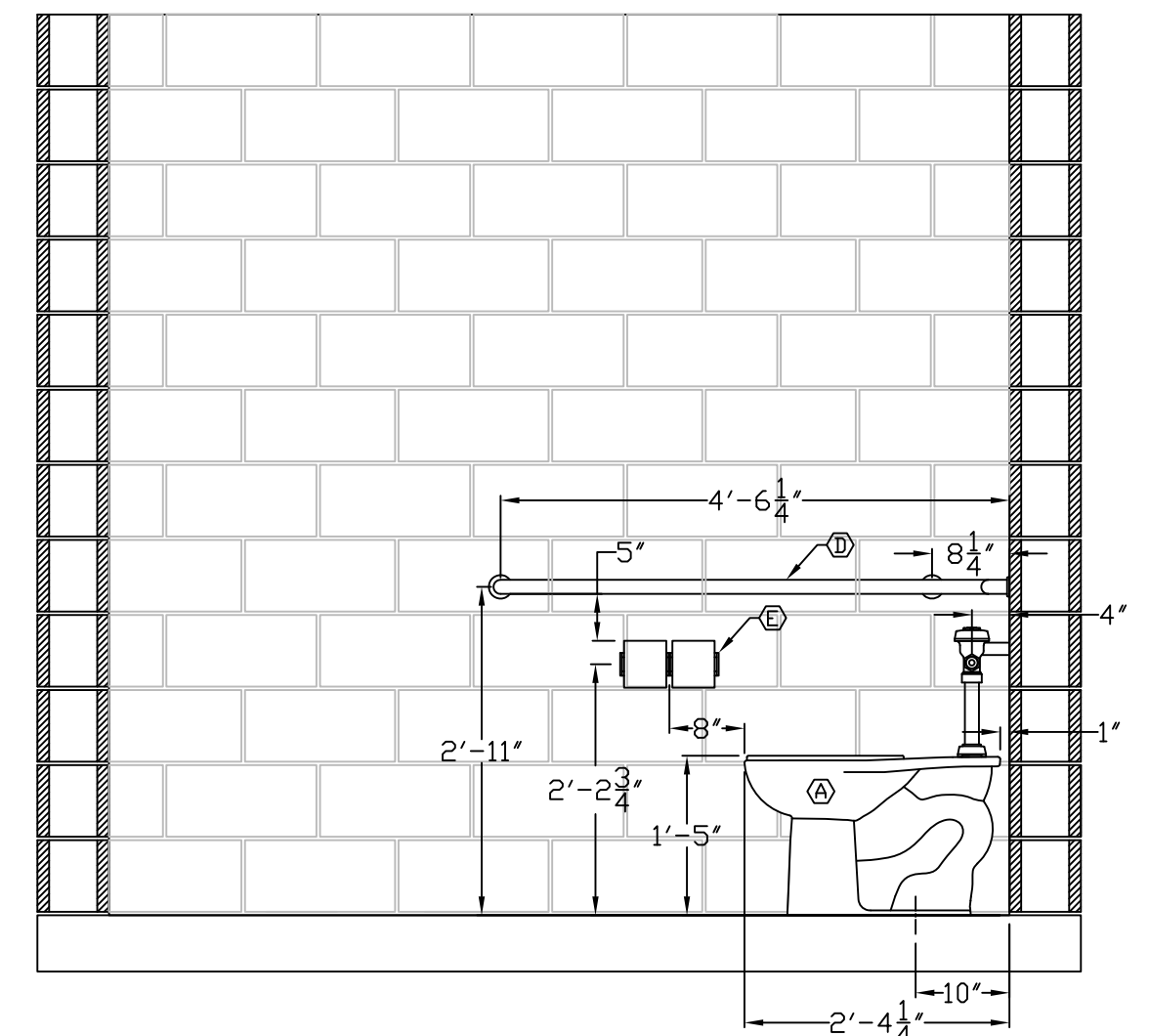
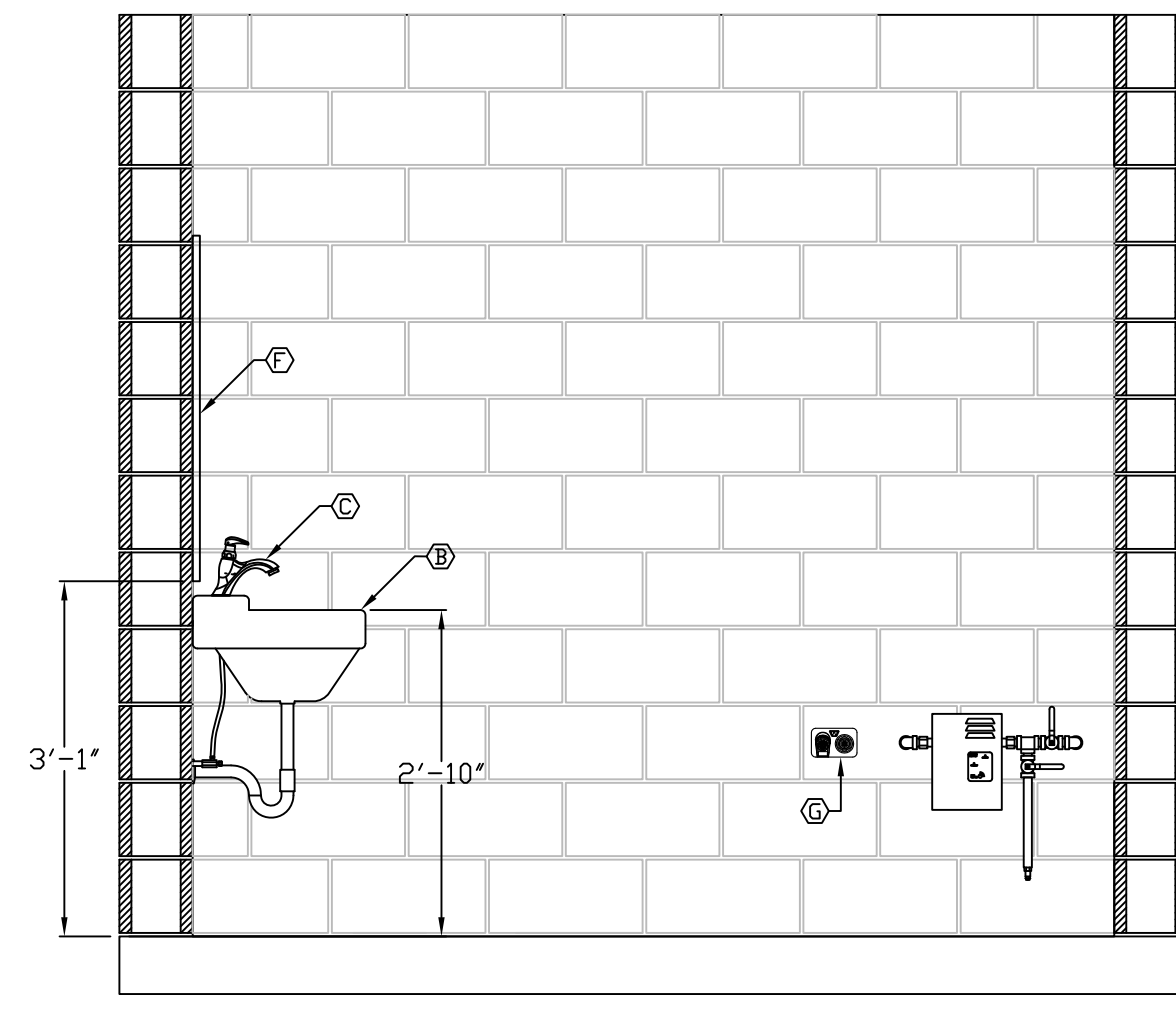
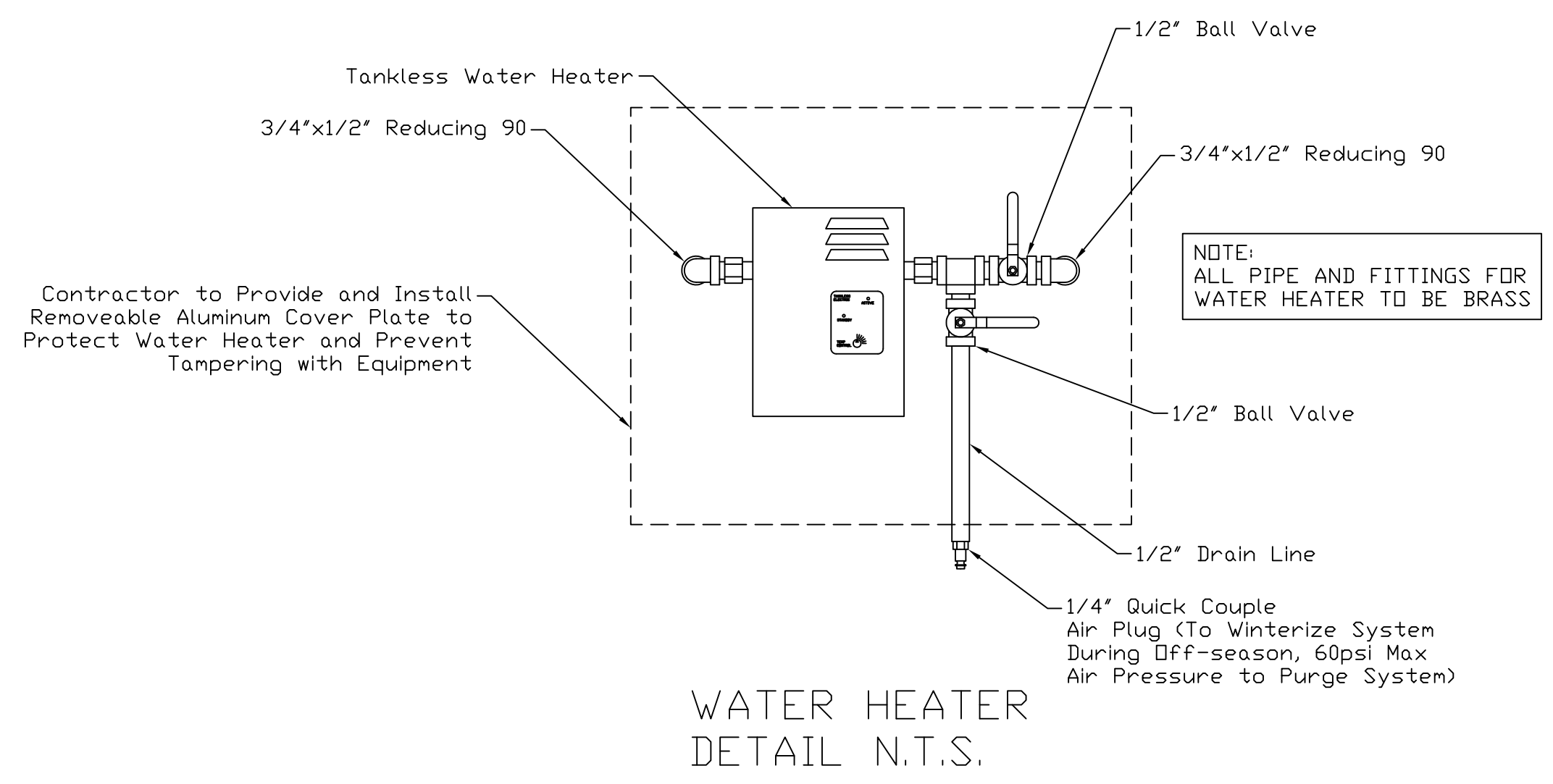






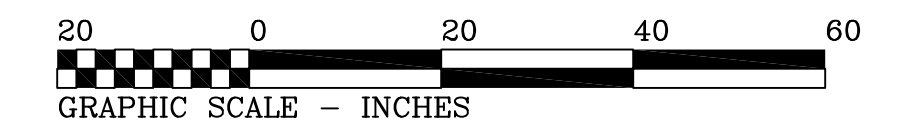


ITEM	QTY	DESCRIPTION	MANUFACTURER	MODEL	COMMENTS
Ⓐ	2	TOILET	AMERICAN STANDARD	2857.016.020	MADERA ADA 1.6 GPF
Ⓑ	2	LAVATORY	AMERICAN STANDARD	0321.075.020	DECLYN, PROVIDE CONCEALED MOUNTING ARMS
Ⓒ	2	FAUCET	DELTA	87111	
Ⓓ	2	FAUCET COVER PLATE	DELTA	87113	
Ⓔ	2	GRAB BAR	BRADLEY	8122-0594052	
Ⓚ	2	TOILET PAPER HOLDER	BRADLEY	522	
Ⓛ	2	MIRROR	BRADLEY	780	24W X 36H
Ⓜ	1	WALL HYDRANT	WOODFORD	74	ANTI-SIPHON
Ⓝ	2	2" FLOOR DRAIN	WADE	V-1102-STD-6-1	PROVIDE DEEP SEAL TRAP
Ⓟ	1	4" DOUBLE CLEAN OUT TO GRADE			
Ⓠ	1	ELECTRIC TANKLESS WATER HTR	RHEEM	RTE13	240V - 13KW



NOTE:  
WATER SUPPLY AND DRAIN PIPES UNDER LAVATORY SHALL BE INSULATED TO PROTECT AGAINST CONTACT. ALSO THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORY.

NOTE:  
CONTRACTOR TO COMPLY WITH CURRENT ADA STANDARDS



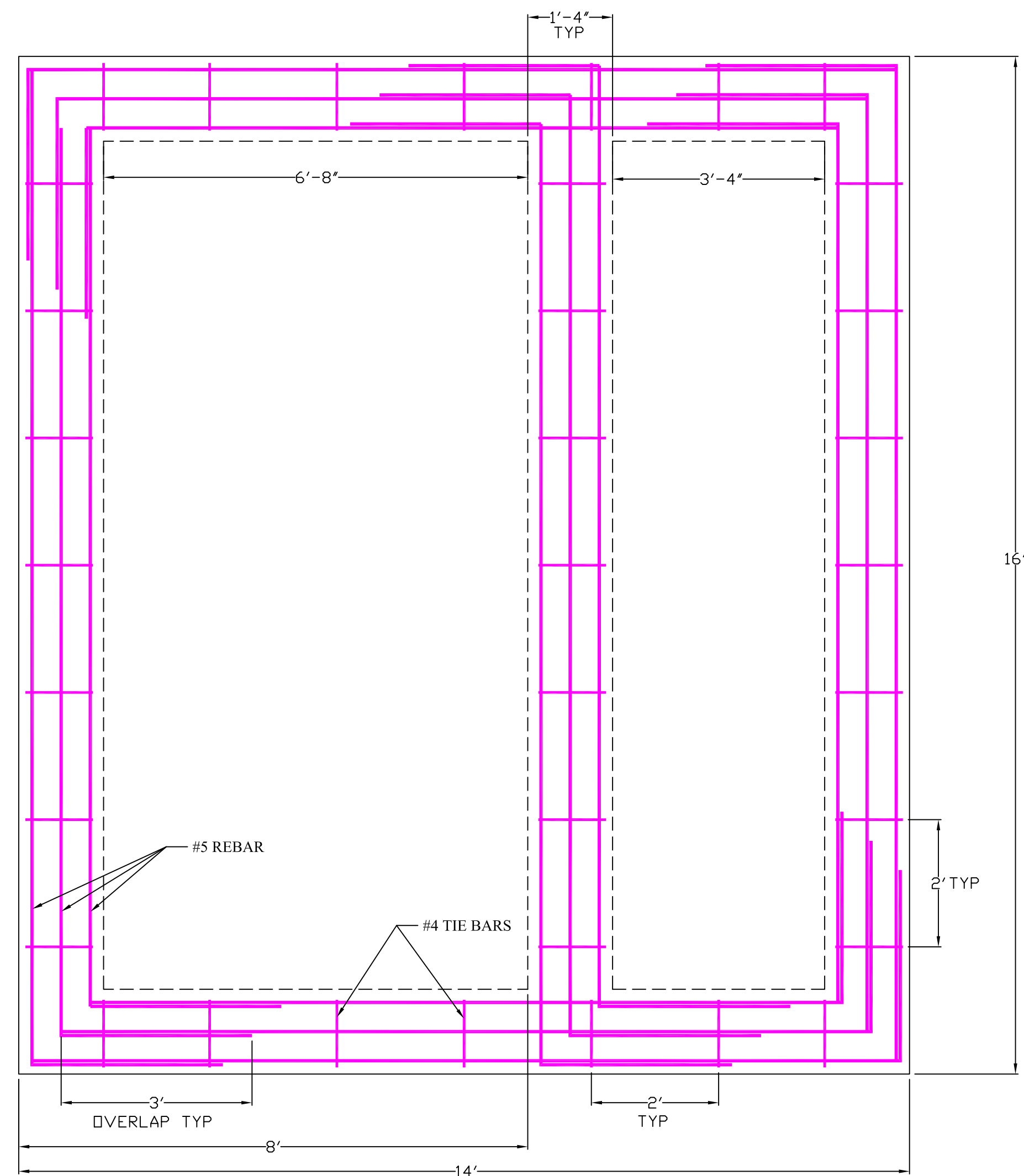
**BLAND PARK  
BATHROOM**

**CITY OF PARAGOULD**

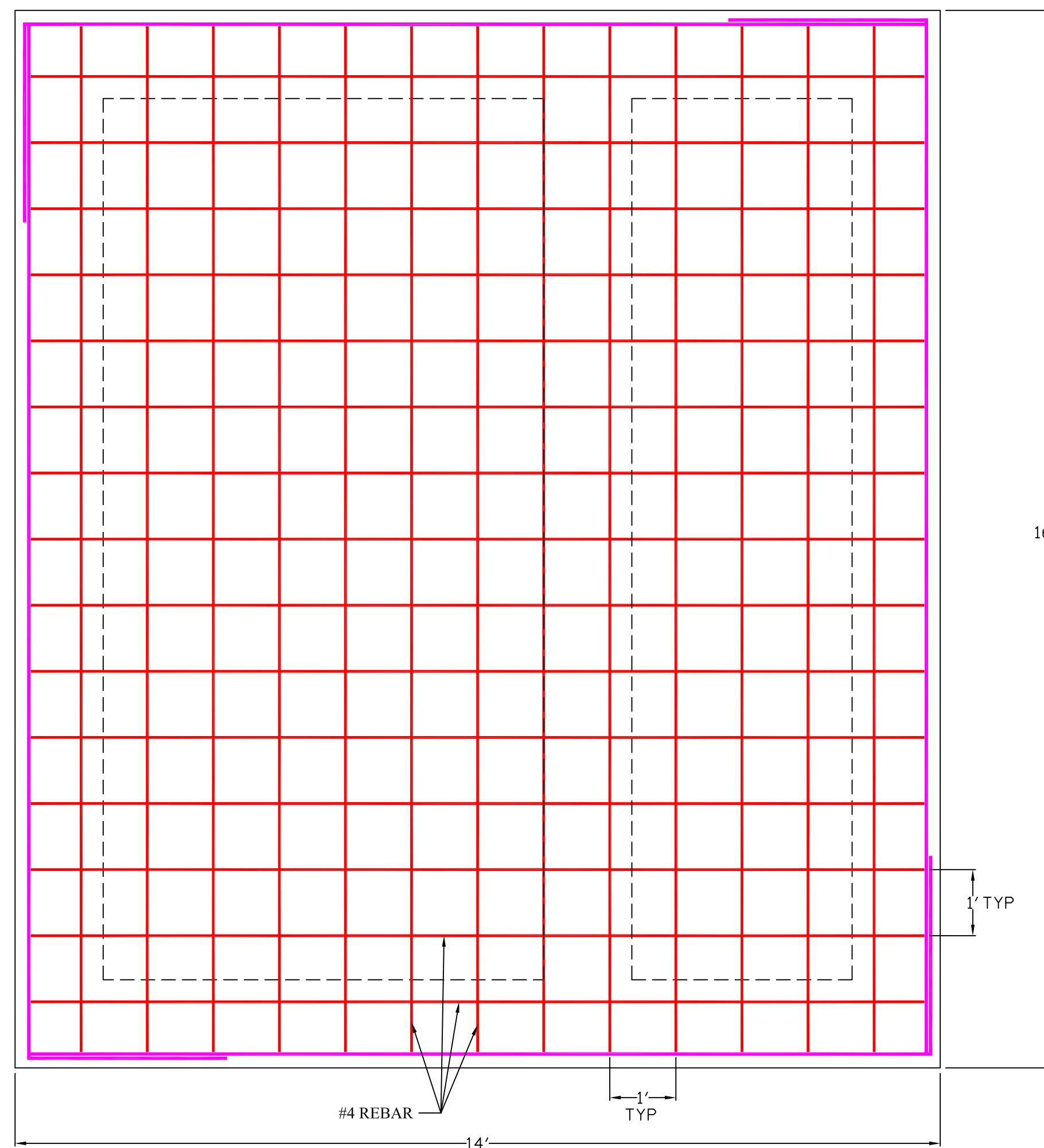
DESIGN DR	DATE 2/10/17	JOB NO. 3322	SCALE 1"=20"	SHEET 3
DRAWN DR				OF 7
APPRVD ?				
FILENAME				

**FLOOR PLAN**

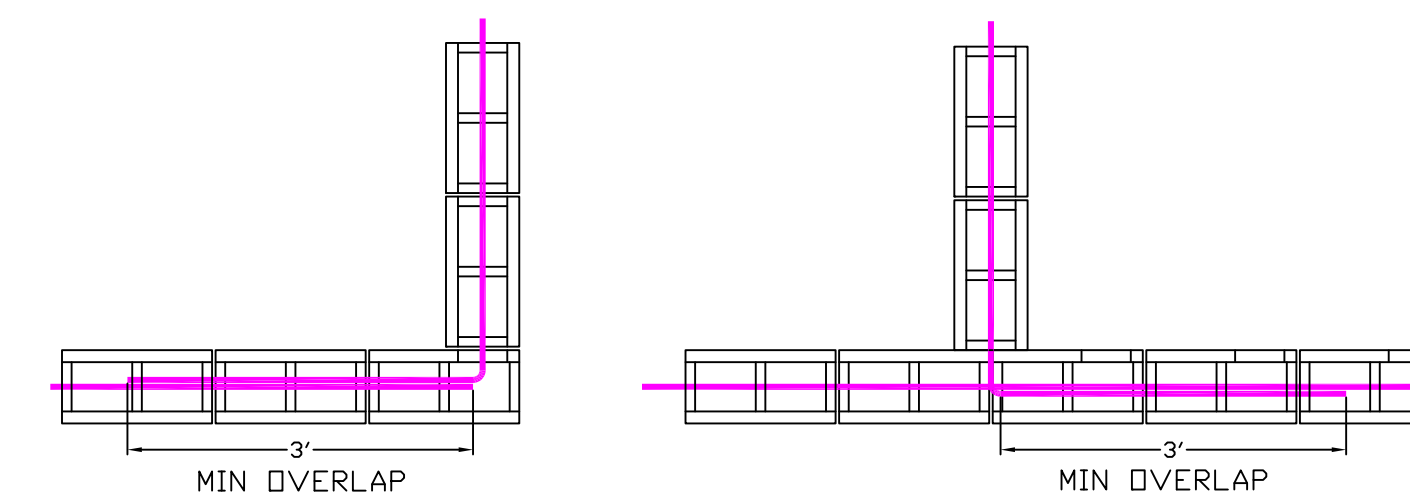
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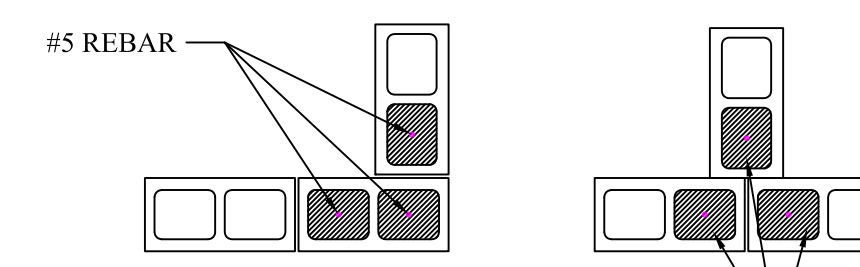
FOOTING REBAR DETAIL



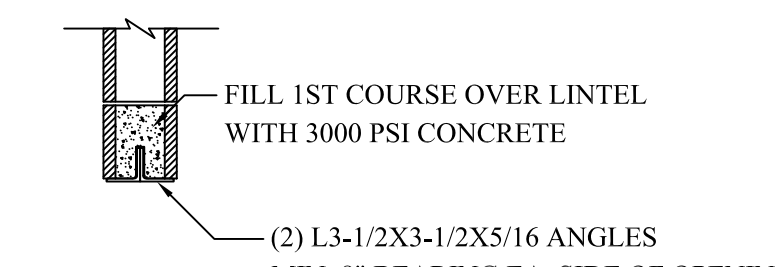
SLAB REBAR DETAIL



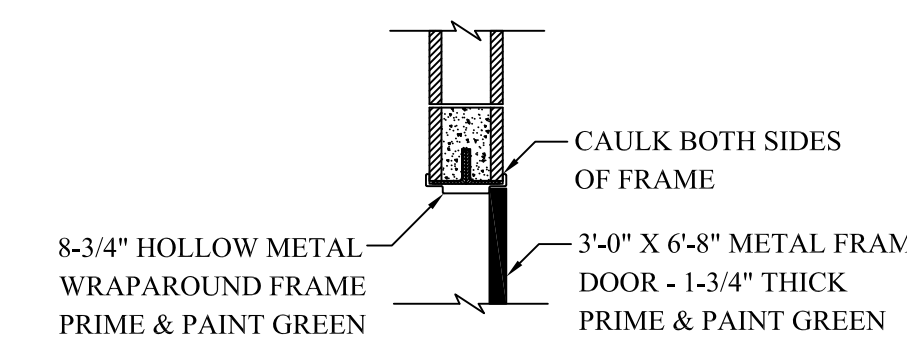
BOND BEAM CORNER/INTERMEDIATE DETAIL



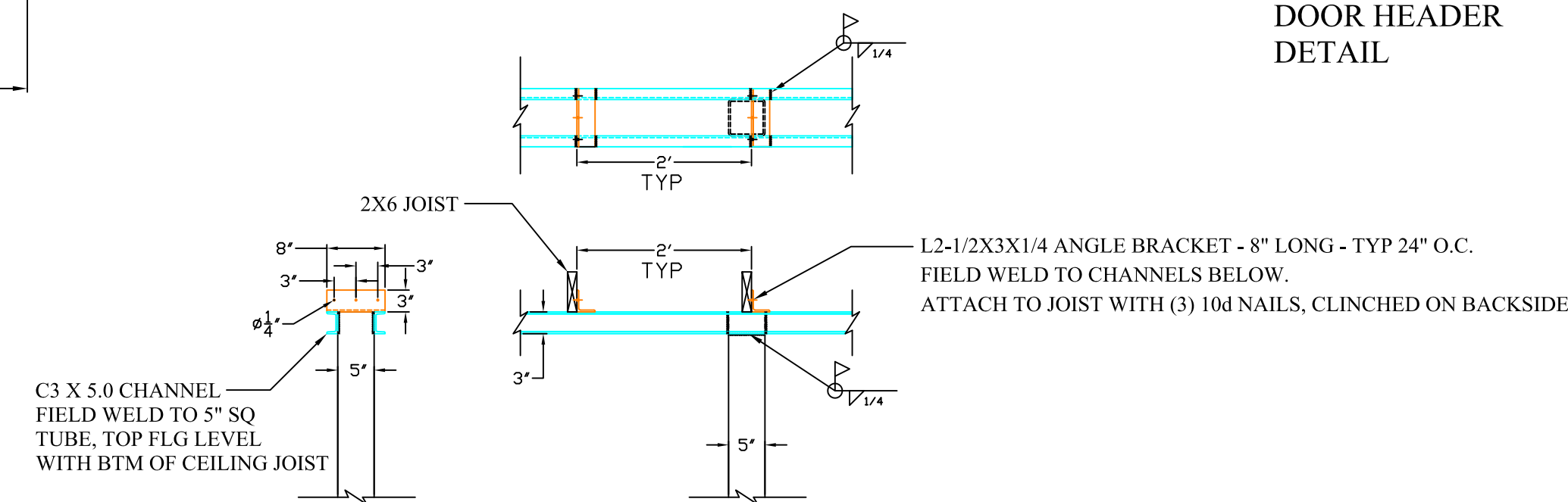
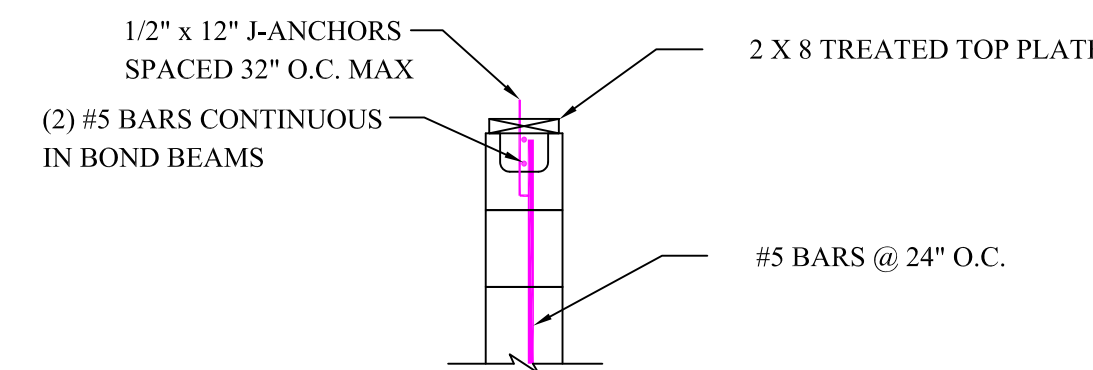
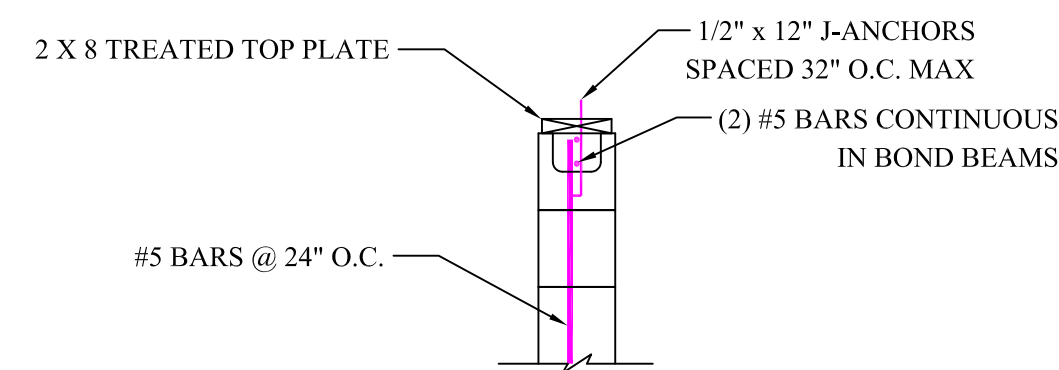
WALL CORNER/INTERMEDIATE DETAIL



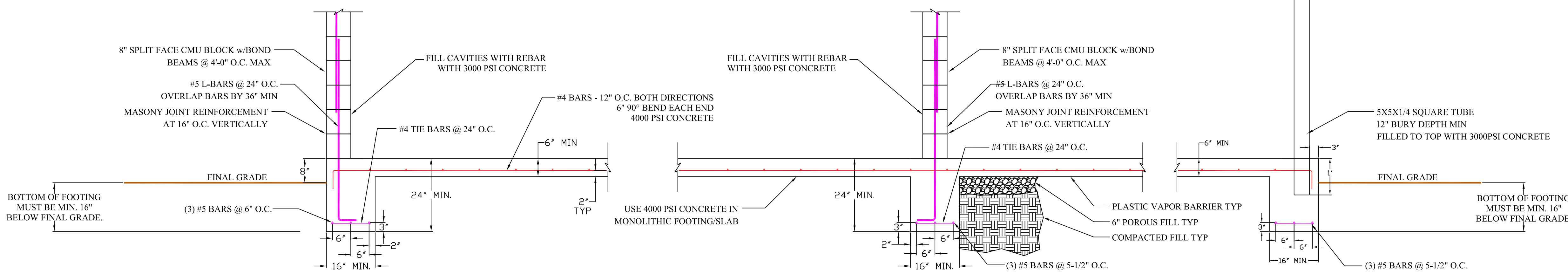
LINTEL BEAM DETAIL



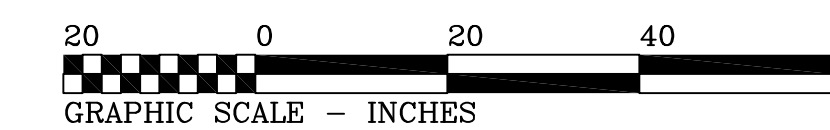
DOOR HEADER DETAIL



5" SQ POST DETAIL



WALL, SLAB AND FOOTING DETAIL



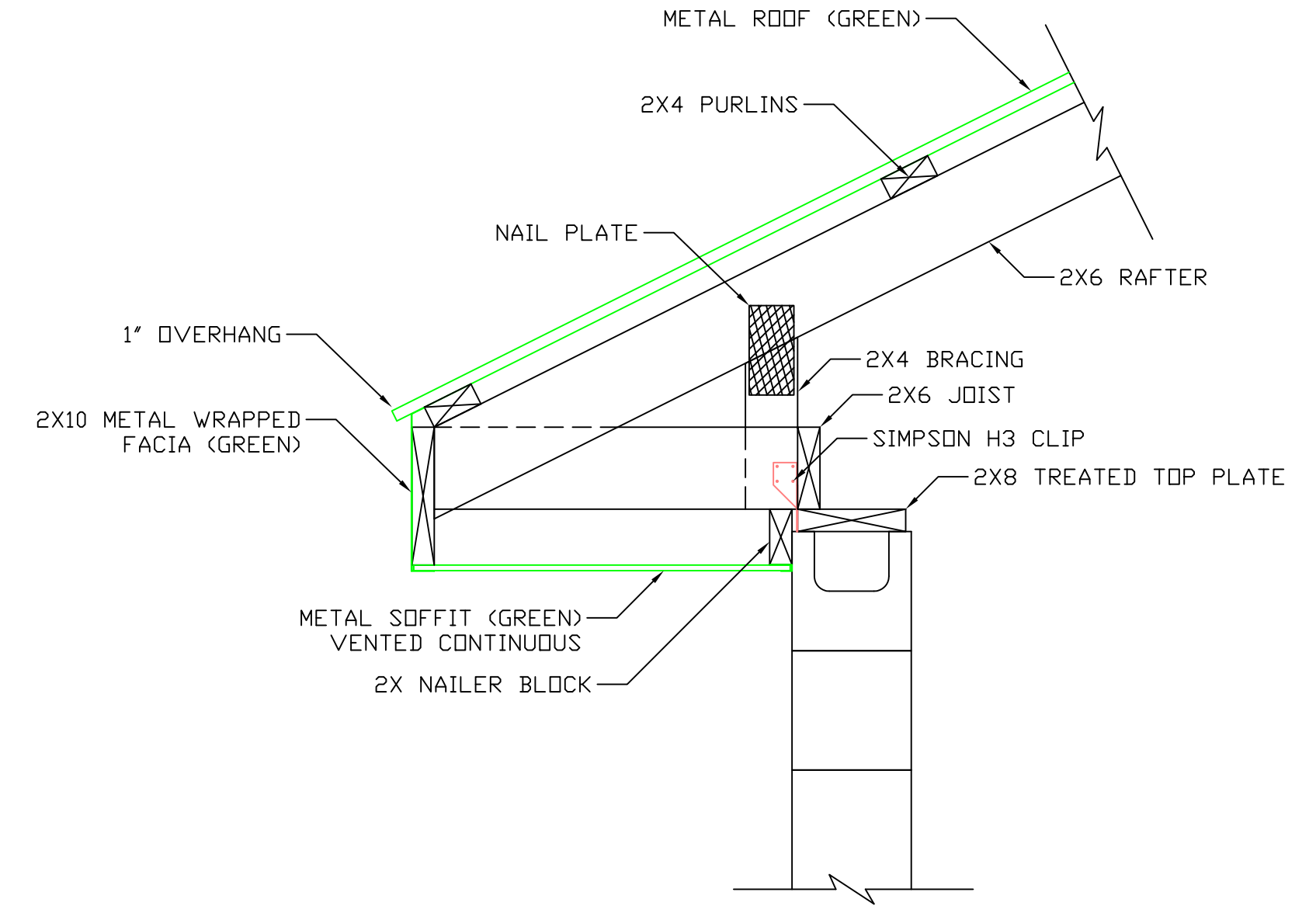
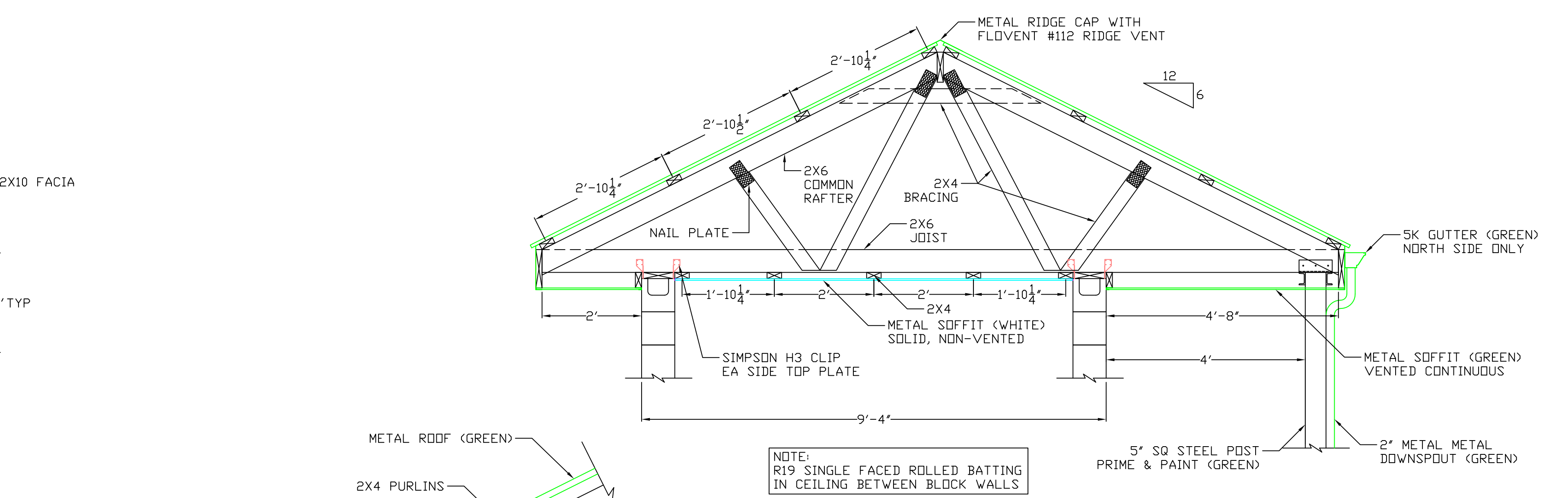
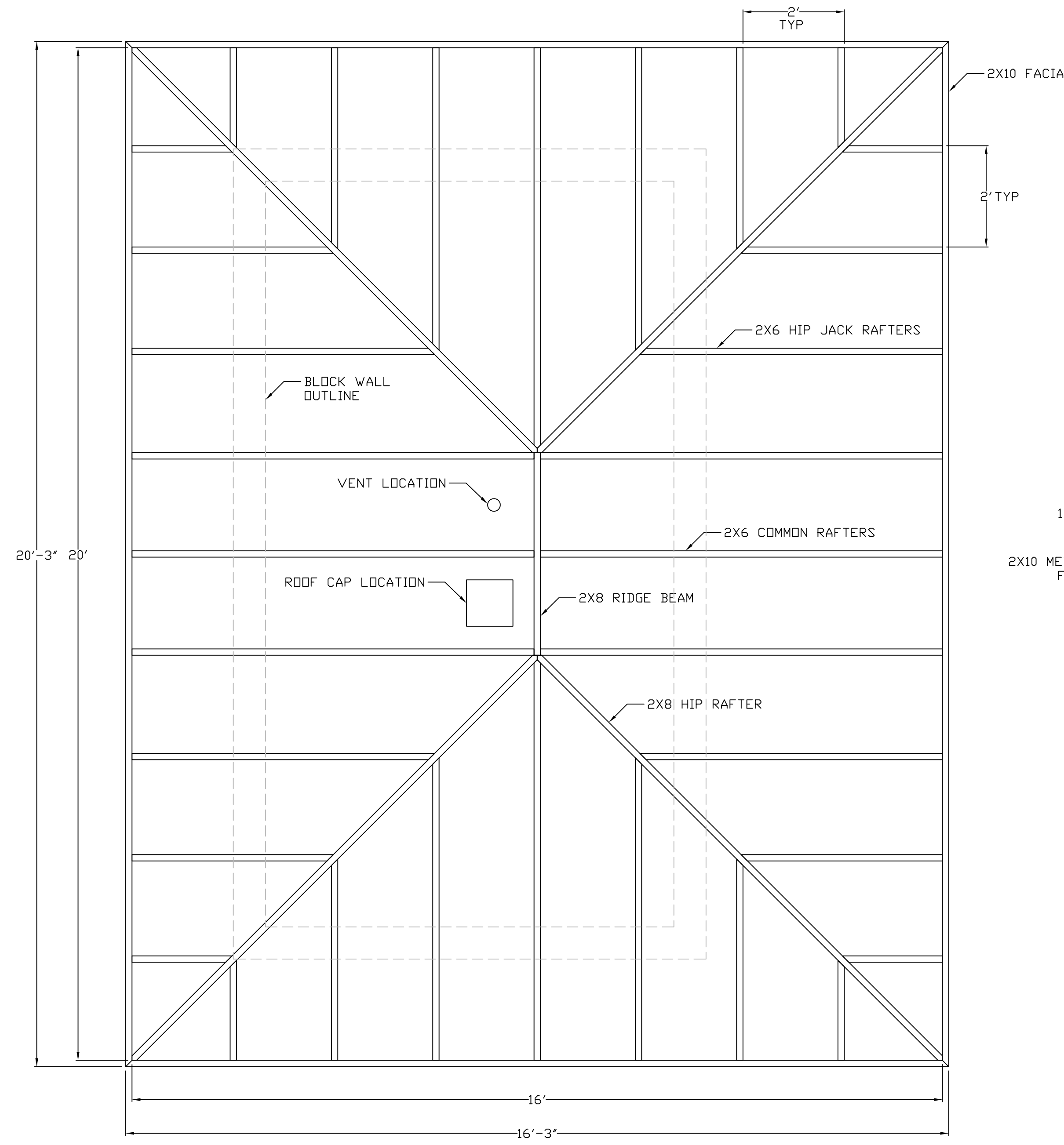
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**BLAND PARK BATHROOM**

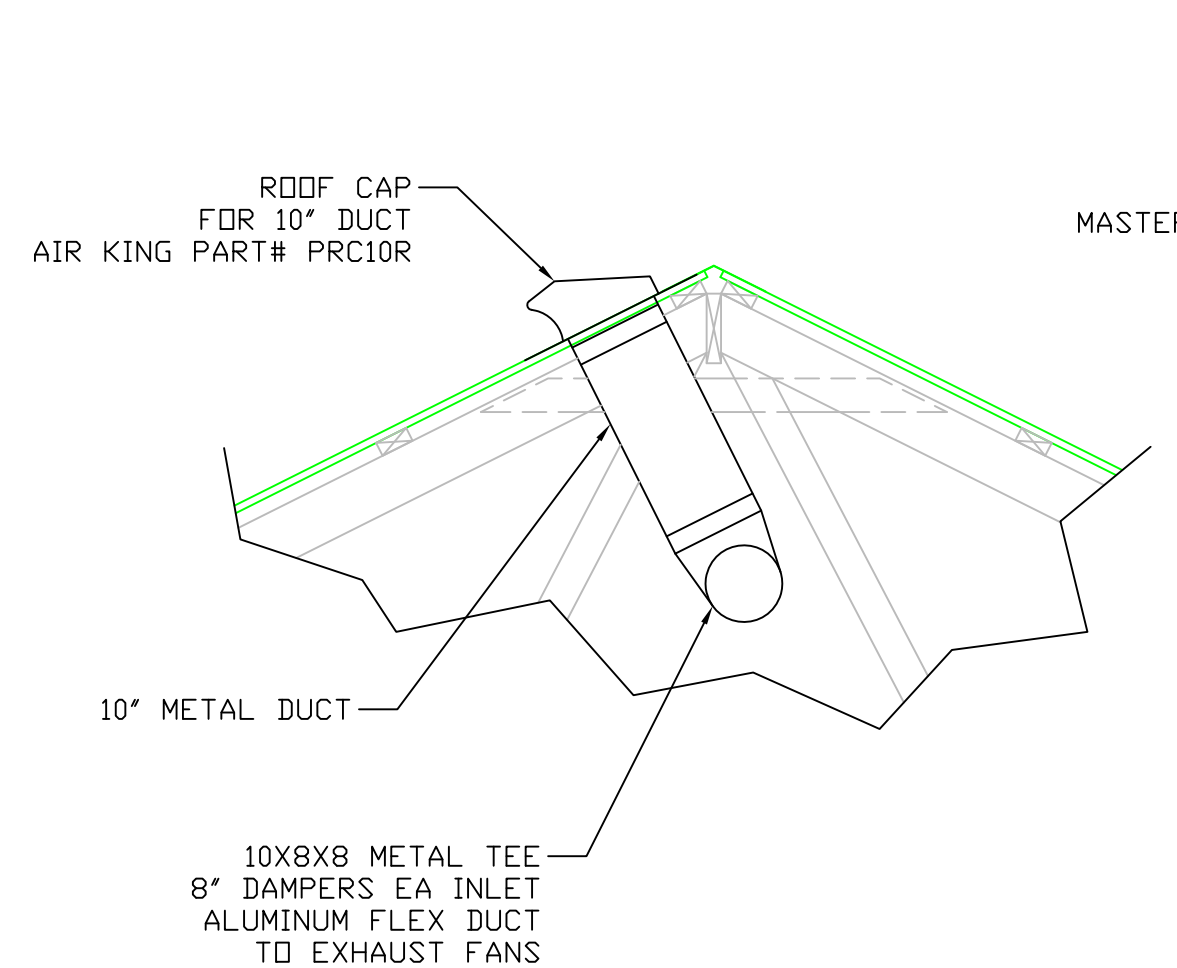
**CITY OF PARAGOULD**

DESIGN DR	DATE 2/10/17	JOB NO. 3322	SCALE 1"=20"	SHEET
DRAWN DR				<b>4</b>
APPRVD ?				<b>7</b>
FILENAME				

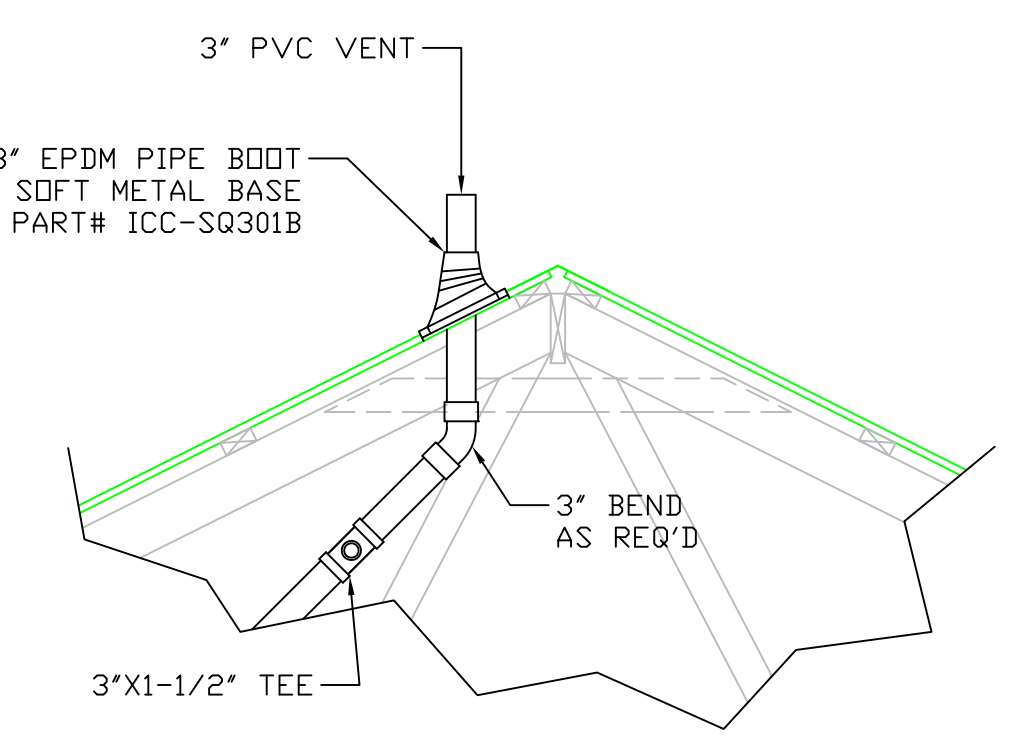
**FOUNDATION PLAN**



HIP END DETAIL  
SCALE: 1"=10"

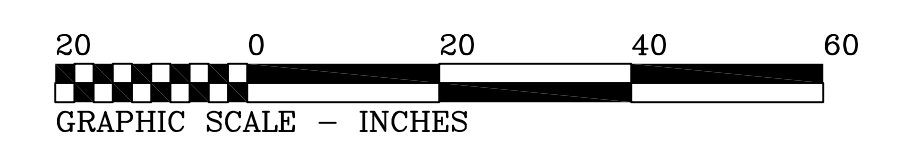


ROOF CAP DETAIL



PIPE BOOT DETAIL

NOTE:  
ALL METAL PANELS, SOFFITS, TRIM, FLASHINGS, ROOF CAPS, PIPE BOOTS, ETC. TO BE INSTALLED PER MANUFACTURER'S SPECIFICATION TO ENSURE WATER-TIGHT INSTALLATION



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DRAWN DR	2/10/17	3322	1"=20"	5
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				Date

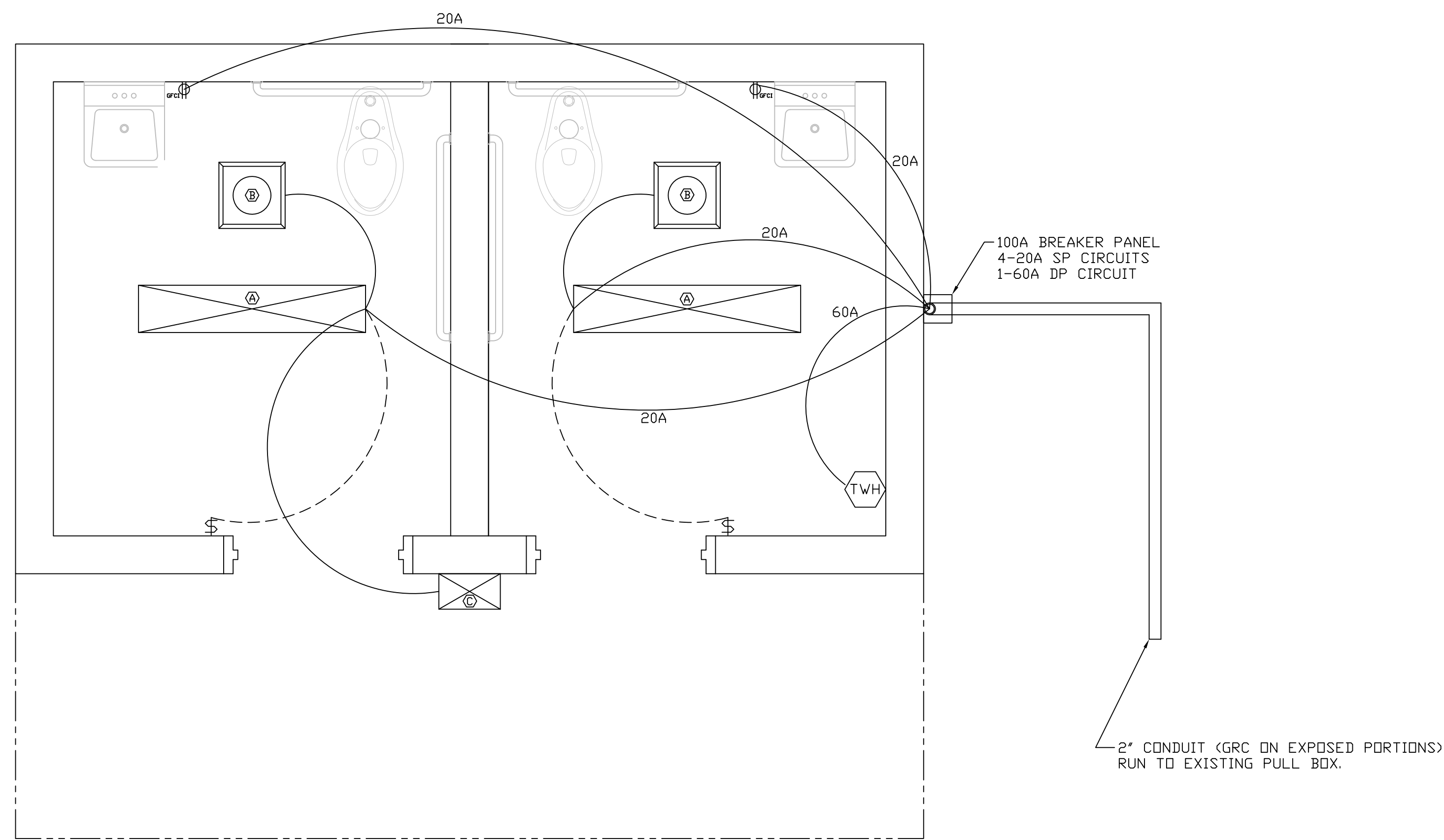
**BLAND PARK BATHROOM**

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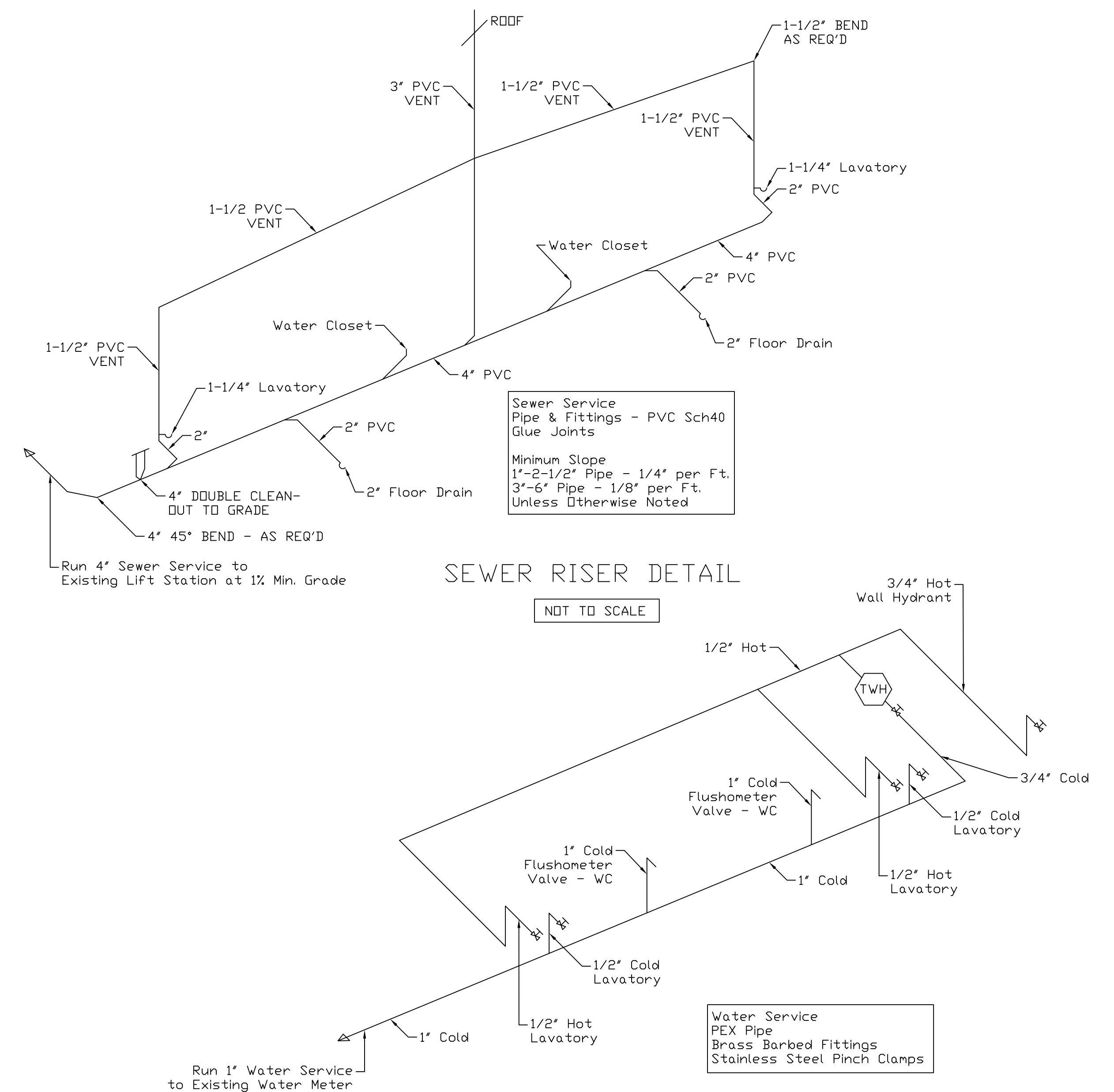
**ROOF PLAN**



NOTE:  
 ALL WIRING TO BE COPPER CONDUCTORS TYPE THHN, 12 GA MIN FOR 20A CIRCUITS, 6 AWG MIN FOR 60A CIRCUIT.  
 CONTRACTOR RESPONSIBLE FOR INSTALLING ALL FIXTURES, SWITCHES, RECEPTACLES, CONDUIT AND WIRING TO THE BREAKER PANEL. PLWC WILL SUPPLY AND INSTALL THE BREAKER PANEL AND THE CONDUIT FROM THE BREAKER PANEL TO THE PULL BOX. PLWC WILL PULL WIRE TO THE BREAKER PANEL AND MAKE-UP ALL CONNECTIONS AT THE BREAKER PANEL.



ELECTRICAL DETAIL



ITEM	QTY	DESCRIPTION	MANUFACTURER	MODEL	AMPS	COMMENTS
Ⓞ	2	4" LIGHT	LITHONIA	LBL44000LM80CRI40KNDDIMMVOLY	2.6 EA	41W LED 4000 LUMEN
Ⓞ	2	EXHAUST FAN	BRIDAN	L300	2.6 EA	
Ⓞ	2	LED WALL PACK	LITHONIA	1WR1ED50KMVOLTPE	0.34 EA	3400 LUMENS, PHOTO CONTROL
\$	2	SPST SWITCH	HUBBELL	CSB120W	20 RATED	
Ⓞ	4	GFCT DUPLEX RECEPTACLE	HUBBELL	GFTWRST20W	20 RATED	
Ⓞ	1	ELECTRIC TANKLESS WATER HEATER	RHEEM	RT13	54	240V - 13KW

NOTE:  
 CONTRACTOR TO COMPLY WITH CURRENT ARKANSAS STATE PLUMBING CODE AND NATIONAL ELECTRIC CODE

<b>BLAND PARK BATHROOM</b>				
<b>CITY OF PARAGOULD</b>				
DESIGN DR	DATE 2/10/17	JOB NO. 3322	SCALE 1"=20"	SHEET 6
DRAWN DR	<b>ELECTRIC &amp; RISER PLAN</b>			OF 7
APPRVD ?				
FILENAME	Revisions sealed by	Seal No.	Date	
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**APPLICABLE CODES AND STANDARDS:**

- 2006 INTERNATIONAL BUILDING CODE
- ACI 318-05
- ACI 350 CODE REQUIREMENTS FOR ENVIRONMENTAL ENGINEERING CONCRETE STRUCTURES
- A.I.S.C. LOAD AND RESISTANCE FACTOR DESIGN SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS (LRFD)
- A.W.S. D1.1, D1.3, D1.4
- BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES- ACI350
- 2012 ARKANSAS FIRE PREVENTION CODE
- 2012 INTERNATIONAL BUILDING CODE
- 2014 NATIONAL ELECTRIC CODE
- 2004 ARKANSAS ENERGY CODE

ROOF DEAD LOAD	10 PSF
ROOF LIVE LOAD	20 PSF REDUCIBLE
ROOF SNOW LOAD (GROUND SNOW P <sub>g</sub> =10 PSF)	16 PSF SNOW w/ RAIN SURCHARGE

WIND LOADS	
BASIC WIND SPEED	115 MPH
EXPOSURE CLASSIFICATION	B
IMPORTANCE FACTOR	1.15

SEISMIC LOADS	
SEISMIC DESIGN CATEGORY-D	
IMPORTANCE FACTOR	1.25
SPECTRAL RESPONSE COEFFICIENT SDS = 1.0	
SPECTRAL RESPONSE COEFFICIENT SD1 = 0.60	
SITE CLASSIFICATION-D	

MAXIMUM ALLOWABLE SOIL BEARING CAPACITY 2000 PSF

**MATERIAL DATA:**

CONCRETE & REINFORCING	
CONCRETE STRENGTH (fc @ 28 DAYS)	
FOOTINGS	4000 PSI
WALLS, MAT SLABS	4000 PSI

CEMENT TYPE	PORTLAND TYPE I/II CONCRETE DESIGNATED AS 4500 PSI MUST HAVE A MAXIMUM WATER-TO-CEMENT RATIO OF 0.42. CONCRETE DESIGNATED AS 4500 PSI MUST HAVE A MAXIMUM WATER SOLUBLE CHLORIDE ION CONTENT OF 0.10 BY WEIGHT REGULAR WT. HARDROCK TYPE- ASTM C33
AGGREGATES	ASTM M394L
REINFORCING STEEL	ASTM A706, WELDABLE NOTE: A615, GRADE 60 REBAR MAY BE USED BUT ONLY IF MILL TESTING REPORTS SHOW ACTUAL YIELD DOES NOT EXCEED 78 KSI AND ACTUAL TENSILE STRESS IS GREATER THAN 1.25 TIMES ACTUAL YIELD STRESS

WELDED WIRE FABRIC	ASTM A185
PERFORMED EXPN. JT. (1/2 IN)	ASTM D1751

<b>STEEL</b>	
STRUCTURAL STEEL (WIDE FLANGES)	ASTM A992, GRADE 50
STRUCTURAL STEEL (ALL OTHER SHAPES)	ASTMA36
STRUCTURAL SQUARE TUBING	ASTM A500, GRADE B (Fy = 46 KSI)
STAINLESS STEEL	ASTM A304
ANCHOR RODS	ASTM F1554, GRADE 36,
BOLTED CONNECTIONS	ASTMA325N
STAINLESS STEEL BOLTED CONNECTIONS	ASTM A193 Gr. B8, CLASS 2
WELDED CONNECTIONS	E70XX ELECTRODES
WELDED CONNECTIONS (GALV. SURFACES)	E6010 OR E6011 ELECTRODES
HEADED CONCRETE ANCHORS (HCA)	ASTM A108 GRADES C1010 through C1020 (Fu = 65 KSI)

<b>MASONRY</b>	
MASONRY STRENGTH (fm @ 28 DAYS)	2000 PSI
CONCRETE UNITS	ASTM C90 - NORMAL WT.
UNIT COMPRESSIVE STRENGTH	2800 PSI (BASED ON NET AREA)
MORTAR TYPE	ASTM C270, TYPE S
GROUT TYPE	ASTM C476, MAX. AGGREGATE SIZE =3/8"
MORTAR STRENGTH (28 DAY STRENGTH)	1800 PSI
GROUT STRENGTH (28 DAY STRENGTH)	ASTM C476 - 2000 PSI
WIRE REINFORCING	ASTM A82, STD. LADDER TYPE - 9 GAGE ZINC COATED PER ASTM A116 - (DUR-O-WALL OR APPROVED EQUAL AT 16" O.C. VERTICAL SPACING)

**APPLICABLE CODES AND STANDARDS:**

**WOOD**  
WOOD SECTIONS- SOUTHERN PINE, DOUGLAS FIR, HEM FIR, OR SPRUCE-PINE-FIR  
MEMBER GRADES (UNLESS OTHERWISE INDICATED ON THE PLANS)  
STUDS AND JOISTS NO. 2 OR BETTER  
COLUMNS AND POSTS STUD  
HEADERS AND LEDGERS NO. 2 OR BETTER  
PLYWOOD ROOF SHEATHING (OSB ACCEPTABLE): 5/8" APA SHEATHING, EXPOSURE I, SPAN RATING 32/16.

**STRUCTURAL NOTES:**

**GENERAL:**

ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE APPLICABLE BUILDING CODE.

THE STRUCTURE HAS BEEN DESIGNED TO RESIST DESIGN LOADS ONLY AS A COMPLETED STRUCTURE. APPLICATION OF ANY LOADS TO THE PARTIALLY COMPLETED STRUCTURE SHALL BE CONSIDERED BY THE CONTRACTOR AND SO INCLUDED IN THE DESIGN OF SHORING, BRACING, FORMWORK, AND ANY OTHER SUPPORTING ELEMENTS PROVIDED FOR CONSTRUCTION OF THE STRUCTURE.

WHERE CONSTRUCTION MATERIALS OR EQUIPMENT ARE TEMPORARILY STORED ON ROOF OR FLOOR FRAMING, THEY SHALL BE DISTRIBUTED SO THAT THE DESIGN LIVE LOAD IS NOT EXCEEDED. DO NOT BACKFILL AGAINST WALLS OR OTHER STRUCTURAL ELEMENTS UNTIL SUCH ELEMENTS HAVE REACHED THEIR INTENDED STRENGTH, HAVE BEEN ADEQUATELY BRACED, AND/OR HAVE OTHER INTEGRAL STRUCTURAL ELEMENTS IN PLACE WHICH ARE INTENDED TO RESIST THE LATERAL EARTH LOADS.

DETAILS ON THE DRAWINGS INDICATED AS "TYPICAL" APPLY IN ALL AREAS WHERE CONDITIONS SIMILAR TO THE DETAIL OCCUR.

THE STRUCTURAL DRAWINGS ARE NOT INTENDED FOR USE AS SHOP ERECTION DRAWINGS. REPRODUCTION OF THESE DRAWINGS IN LIEU OF PREPARATION OF SHOP ERECTION DRAWINGS SIGNIFIES THE USERS' ACCEPTANCE THAT ALL INFORMATION SHOWN IS CORRECT AND APPROPRIATE FOR SHOP DRAWINGS AND THAT THE USER WILL BE FULLY RESPONSIBLE FOR EXPENSES THAT MAY OCCUR FROM SAID ACCEPTANCE.

UNLESS SPECIFICALLY NOTED, THERE ARE NO PROVISIONS MADE FOR FUTURE FLOORS, ROOFS, OR OTHER LOADS.

**COORDINATION /VERIFICATION:**

CHECK AND VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH ANY PHASE OF THE WORK.

ANY PROPRIETARY STRUCTURAL SYSTEMS THAT ARE COMPOSED OF COMPONENTS TO BE FIELD ERRECTED SHALL BE SUPERVISED BY THE SUPPLIER DURING MANUFACTURING, DELIVERY, HANDLING, STORAGE, AND ERECTION IN ACCORDANCE WITH THE INSTRUCTIONS PREPARED BY THE SUPPLIER.

PROVIDE ADEQUATE STRUCTURAL FRAMING AS APPROVED BY THE ENGINEER FOR ALL REQUIRED MECHANICAL OPENINGS THROUGH SLABS, WALLS, FLOOR DECK, ETC., AND SUPPORT OF ALL MECHANICAL EQUIPMENT. OPENINGS SHALL NOT BE PERMITTED THROUGH BEAMS UNLESS SPECIFICALLY DETAILED BY THE ENGINEER.

**CONCRETE REINFORCING:**

**CONCRETE BATCH DESIGN(S)** SHALL BE PROPORTIONED AND PRODUCED IN ACCORDANCE WITH A.C.I. 318, IN PARTICULAR CHAPTER 5, AND A.C.I. 301. MIX AND DELIVER IN ACCORDANCE WITH ASTM C94.

SLUMP REQUIREMENTS:	
SLOPING SURFACES	MAX. 3IN.
FOUNDATIONS	MIN. 1 IN./ MAX. 4 IN. MAX.
CONCRETE W/ PLASTICIZERS	MAX. 8 IN.
OTHER CONCRETE	MIN. 1 IN./ MAX. 5 IN.
AIR ENTRAINMENT	CONCRETE EXPOSED TO WEATHER- 5% MIN.
ADMIXTURES	SUBMIT AS REQUIRED FOR APPROVAL
FLY ASH	MAX. 20% OF CEMENT CONTENT

**CONCRETE TEST CYLINDERS:**

SAMPLING IN FIELD	ASTM C172 & C31
CYLINDER STRENGTH TESTS	ASTM C39
FREQUENCY OF STRENGTH TESTS ONE PER 100 CU. YDS. OR	
MIN. ONCE FOR EA. 5000 S.F. OF SLABS OR WALLS OR	
MIN. ONCE PER DAY FOR EACH TYPE OF MIX	
ONE STRENGTH TEST =AVG. STRENGTHS OF TWO CYLINDERS@ 28 DAYS.	
CYLINDERS TO BE TESTED: 2@ 7 DAYS, 2@ 28 DAYS.	

**CONCRETE TO CONCRETE COLD JOINTS-** PROVIDE 1/4"INTENTIONALLY ROUGHENED SURFACE AT ALL HORIZONTAL JOINTS.

**CONCRETE TO CMU INTERFACES -**118" INTENTIONALLY ROUGHENED SURFACE AT ALL HORIZONTAL JOINTS SHOWING ALL MEMBERS AND CONNECTIONS.

**EXPOSED CORNERS:** PROVIDE A3/4" CHAMFER AT ALL EXPOSED CONCRETE CORNERS WHERE INDICATED

**CURING:** CONCRETE SHALL BE MAINTAINED IN A MOIST CONDITION FOR A MINIMUM OF SEVEN DAYS AFTER ITS PLACEMENT, IF FORMWORK IS REMOVED PRIOR TO SEVEN DAYS, APPLY MOIST CURING TO NEWLY EXPOSED SURFACES. APPROVED CURING COMPOUNDS MAY BE USED IN LIEU OF MOIST CURING.

**REINFORCING BAR WELDING:** ABSOLUTELY NO WELDING OF REINFORCING BARS OR TORCHING TO BEND REINFORCING BARS SHALL BE ALLOWED WITHOUT THE SPECIFIC APPROVAL OF THE ENGINEER.

**MINIMUM CONCRETE CLEAR COVER:**  
PROVIDE THE FOLLOWING MINIMUM CONCRETE COVER OVER REINFORCING (FACE OF CONCRETE TO EDGE OF BAR) UNLESS DETAILED OTHERWISE ON DRAWINGS:  
CONCRETE CAST AGAINST AND  
PERMANENTLY EXPOSED TO EARTH 3"  
CONCRETE WALLS AND MAT SLABS 2"  
SUSPENDED SLAB AT OBSERVATION LEVEL 1 1/2"

**BAR SUPPORT ACCESSORIES** SHALL BE PROVIDED IN ACCORDANCE WITH THE LATEST A.C.I. MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES  
BEAM REINFORCING ON BAR BOLSTERS @ 4 FT. D.C. MAX.  
SLAB REINFORCING ON BAR BOLSTERS @ 4 FT. O.C. MAX.  
WITH SAND PLATES AS REQUIRED  
GONG EXPOSED TO VIEW PLASTIC COATED OR STAINLESS STEEL LEGS

**REINFORCING SHOP DRAWINGS:** REINFORCING SUPPLIER SHALL PROVIDE COMPLETE PLACEMENT AND FABRICATION DRAWINGS FOR ALL REINFORCING INCLUDING THE LOCATION AND SIZE OF ALL ACCESSORIES AND SUPPORTS.

**FOUNDATIONS:**

**BASIS OF DESIGN:** THE FOUNDATION SYSTEM DESIGN IS BASED ON THE MAXIMUM SOIL BARING CAPACITY OF 2000 PSF.

FOOTINGS SHALL BE PLACED ON NEAT, CLEAN AND DRY EXCAVATIONS. EXTREME CARE SHALL BE TAKEN WHEN EXCAVATING NEAR THE BEARING SURFACE. FOOT TRAFFIC SHALL BE KEPT TO A MINIMUM NECESSARY TO PLACE THE FOOTING REINFORCEMENT AND CONCRETE.

THE CONTRACTOR SHALL PROVIDE FOR ADEQUATE DRAINAGE OF SURFACE WATER AWAY FROM THE STRUCTURE AND EXCAVATED AREAS DURING CONSTRUCTION. THIS INCLUDES NECESSARY PUMPING, TRENCHING, BACKFILL AND/OR DIKE CONSTRUCTION.

**PREFORMED PLASTIC WATERSTOP:**  
PRODUCED FROM BLENDS OF REFINED HYDROCARBON RESINS AND PLASTICIZING COMPOUNDS REINFORCED WITH INERT MINERAL FILLER, AND SHALL CONTAIN NO SOLVENTS, IRRITATING FUMES OR OBNOXIOUS ODORS, COMPLYING WITH FEDERAL SPECIFICATION SS-S210A.

**GRADE SUPPORTED SLABS:**

REINFORCED CONCRETE SLAB ON GRADE:  
SLAB THICKNESS: BUILDING FLOOR- 6" MIN

REINFORCING:  
BUILDING SLAB PLACED THE REQ'D CLEAR DISTANCE FROM TOP OF SLAB

**VAPOR BARRIER:** PLASTIC

**GRANULAR SUBBASE UNDER SLAB-ON-GRADE:**

MINIMUM THICKNESS: 6 IN.  
COMPACTION 95% (± 2%)  
GRADATION REQUIREMENTS:  
100% PASSING THE 3/4" SIEVE  
LESS THAN 15% PASSING THE 100 SIEVE  
LESS THAN 2% PASSING THE 200 SIEVE

**SELECT FILL,** WHERE REQUIRED TO ACHIEVE FINAL GRADE:  
CLEAN, INORGANIC, LOW-PLASTICITY SILT OR LEAN CLAY WITH THE FOLLOWING PROPERTIES:

MAXIMUM LIQUID LIMIT (LL)	45
PLASTICITY INDEX (PI) RANGE	5 TO 25
MOISTURE CONTENT(% OF OPTIMUM)	+2%, -3%
MAXIMUM LOOSE LIFT	8"
COMPACTION	95% (± 2%)

FILL SHOULD EXTEND OUTWARD FROM THE EXTERIOR PERIMETER OF THE BUILDING AND FOOTINGS A DISTANCE EQUAL TO THE HEIGHT OF FILL OR 5'-0", WHICHEVER IS GREATER.

**EXISTING SUBGRADE:**  
HEAVILY ROOT INFESTED TOPSOIL, PAVING, AND DEBRIS SHOULD BE STRIPPED AND DISCARDED. REMAINING EARTH SHALL BE SCARIFIED TO A DEPTH OF 12" AND RECOMPACTED TO AT LEAST 95% STANDARD PROCTOR DENSITY

**COMPACTION** (%OF MAXIMUM DRY DENSITY) SHALL BE DETERMINED USING ASTM D-698 STANDARD PROCTOR TEST

**CRACK CONTROL JOINTS** (WHETHER CONSTRUCTION JOINTS OR SAWED JOINTS) IN SLABS ON GRADE SHALL OCCUR AS SHOWN AND ACROSS ALL DOOR OPENINGS. LOCATE JOINTS AT RE-ENTRANT CORNERS OF SLABS.  
MAXIMUM SPACING OF CONTROL JOINTS: 12'-0".

SEAL ALL EXPOSED CONSTRUCTION/CRACK CONTROL JOINTS AND EXPANSION JOINTS WITH POLYURETHANE TYPE SEALANT

**STRUCTURAL STEEL:**

**BEARING CONNECTIONS:** UNLESS OTHERWISE NOTED, ALL BEAM CONNECTIONS SHALL BE SIMPLE FRAMED SHEAR BEARING CONNECTIONS IN ACCORDANCE WITH THE AISC "SPECIFICATIONS FOR STRUCTURAL JOINTS USING A.S.T.M. A325 OR A490 BOLTS."

**DESIGN OF CONNECTIONS:** BEAM CONNECTIONS SHALL BE AS DETAILED ON THE PLANS. ALTERNATIVE CONNECTIONS, DESIGNED BY A LICENSED ENGINEER FOR THE FABRICATOR, MAY BE UTILIZED PROVIDED THE ALTERNATIVE CONNECTION PROVIDES THE SAME LOAD CARRYING CAPACITY OF THE ORIGINAL DESIGN.

**STEEL PROTECTION:** ALL STRUCTURAL STEEL SHALL BE CLEANED PER SSPC SP-2 HAND TOOL CLEANING OR SP-3 POWER TOOL CLEANING AND SHOP PAINTED WITH ONE COAT OF THE FABRICATOR'S STANDARD PRIMER (PAINT TYPE SSPC-PAINT 13 OR25). TOUCH UP SCARRED AREAS WITH THE SAME PAINT AFTER ERECTION.

**SHOP DRAWINGS:** STEEL FABRICATOR SHALL PROVIDE COMPLETE ERECTION AND FABRICATION DRAWINGS

**WELDING:** ALL WELDING SHALL BE PERFORMED BY QUALIFIED WELDERS PER AWS STANDARD QUALIFICATION PROCEDURES.

**MASONRY/GROUT:**

**DESIGN CRITERIA:** MASONRY SHALL BE CONSTRUCTED PER THE REQUIREMENTS OF ACI 530.

**UNIT TYPES:** REFER TO ARCHITECTURAL DRAWINGS FOR CONCRETE MASONRY UNIT SIZE, FACE, COLOR, JOINTING, ETC.

**MORTAR:** MORTAR SHALL BE TYPES AND BE PROPORTIONED PER THE BUILDING CODE REQUIREMENTS.

**CMU REINFORCING:** UNLESS NOTED OTHERWISE, REINFORCE ALL CMU WALLS WITH VERTICAL #5@16"O.C. FILL ALL REINFORCED CELLS WITH GROUT. MINIMUM GROUT BETWEEN MASONRY AND REINFORCING SHALL BE 1/2". MINIMUM GROUT BETWEEN PAIRS OF REINFORCING BARS SHALL BE 3/4".

PROVIDE #5 VERTICAL REINFORCING AT THE FOLLOWING LOCATIONS:  
AT ALL CORNERS OF CMU WALLS.  
AT ALL ENDS OF WALLS  
EACH SIDE OF CONTROL JOINTS  
EACH SIDE OF WALL OPENINGS

**BOND BEAMS:** (AT TOP OF ALL CMU WALLS AND LOCATED AT 4'-0" D.C. MAX. VERTICALLY) MINIMUM DEPTH UNLESS OTHERWISE NOTED= 8".  
REINFORCING- (2) #5 CONTINUOUS. LAP SPICE= 44 INCHES  
CORNER BARS- (2) #5 RIGHT ANGLE DOWELS THAT LAP A MINIMUM OF 3'-8" WITH ADJACENT BOND BEAM REINFORCING. IF BOND BEAMS AT INTERSECTING WALLS MEET AT DIFFERENT ELEVATIONS, EXTEND BOTH BOND BEAMS AROUND INTERSECTING CORNER TO FIRST INTERIOR REINFORCED CELL, BUT NOT LESS THAN 4 FEET. EXTEND BOND BEAMS THROUGH CONTROL JOINTS, BUT INTERRUPT BOND BEAM REINFORCING AT CONTROL JOINTS.

**CMU LINTELS:** PROVIDE (2) #5 BARS IN U-SHAPED LINTEL BEAM. GROUT U-SHAPED COURSE AND TWO ADDITIONAL COURSES IMMEDIATELY ABOVE THE LINTEL COURSE. PROVIDE A MINIMUM OF 8 INCHES BEARING AT EACH END.

**CONTROL JOINTS:** EXCEPT WHERE OFFSETS OR SLIP JOINTS ARE SHOWN, CONTROL JOINTS SHALL BE A CONTINUOUS VERTICAL LINE FROM TOP OF FOOTING TO TOP OF MASONRY WALL. SPACE CONTROL JOINTS AS SHOWN ON THE PLANS.

**COLD WEATHER MASONRY CONSTRUCTION:** CONFORM TO "RECOMMENDED PRACTICES AND GUIDE SPECIFICATIONS FOR COLD WEATHER MASONRY CONSTRUCTION" BY INTERNATIONAL MASONRY INDUSTRY ALL-WEATHER COUNCIL.

**BRICK MASONRY ATTACHMENT:** BRICK TIES SHALL BE CONTINUOUS SINGLE WIRE OF SIZE W1.7 OR LARGER AT MAXIMUM SPACING OF 18" VERTICALLY. CORRUGATED SHEET METAL ANCHORS ARE NOT PERMITTED. PROVIDE AT LEAST ONE BRICK ANCHOR FOR EACH 2.0 SQUARE FEET OF WALL

**PRECAST CONCRETE**

**DESIGN CRITERIA:** MANUFACTURING PROCEDURES FOR ALL PRECAST, PRESTRESSED CONCRETE UNITS SHALL BE IN COMPLIANCE WITH PCI MNL-116, ACI308, AND AC308 AND DESIGNED BY THE FABRICATOR. DESIGN CALCULATIONS SHALL BE FURNISHED WITH THE SHOP DRAWINGS BEARING THE SEAL OF A LICENSED ENGINEER IN THE STATE OF ARKANSAS  
THE WEIGHT OF MECHANICAL EQUIPMENT AND THEIR OPENINGS SHALL BE INCLUDED IN THE DESIGN OF THE APPROPRIATE UNITS AS REQUIRED. SHOW ALL LOADS USED IN THE DESIGN ON THE SHOP DRAWINGS.

**FABRICATOR QUALIFICATIONS:** FABRICATOR MUST BE A PRODUCER MEMBER OF THE PRESTRESSED CONCRETE INSTITUTE AND/OR PARTICIPATE IN ITS PLANT CERTIFICATION PROGRAM.

**CONNECTIONS:** EACH PRECAST UNIT SHALL HAVE CAST-IN-PLACE WELDING STRIPS FOR FASTENING THE UNITS TO SUPPORTING MEMBERS AND TO EACH OTHER. SIZE AND SPACING AS PER MANUFACTURER'S RECOMMENDATIONS.

**OPENINGS:** ALL OPENINGS IN THE PRECAST CONCRETE UNITS WHICH ARE LARGER THAN 6 INCHES IN DIAMETER SHALL BE PROVIDED BY THE PRECAST MANUFACTURER. LOCATE ALL OPENINGS ON THE SHOP DRAWINGS.

**WOOD:**

**SHEATHING NAILING:** COMMON WIRE NAILS SHALL BE USED AND PENETRATE SUPPORTING MEMBERS A MINIMUM 1.58". INDIVIDUAL PIECES OF SHEATHING SHALL NOT BE LESS THAN 24" IN THEIR SHORTEST PLAN DIRECTION NOR LESS THAN 8 SQ. FT. IN AREA:  
ROOF SHEATHING:  
SHEET EDGES 104 AT 6" D.C.

INTERMEDIATE FRAMING MEMBERS	104 AT 12" D.C.
WALL SHEATHING:	
SHEET EDGES	104 AT 6" O.C.
PANEL FIELD	104 AT 12" D.C.
PROVIDE BLOCKING AT ALL PANEL EDGES.	

OPENINGS IN SHEATHING: EDGES OF ALL OPENINGS THROUGH SHEATHING SHALL BE NAILED PER THE REQUIRED EDGE NAILING ABOVE.

**NOTCHING & CUTTING IN WOOD:** JOISTS, RAFTERS AND BEAMS SHALL NOT BE NOTCHED, EXCEPT WHERE SHOWN IN DETAILS. OBTAIN ENGINEER'S APPROVAL FOR ANY HOLES THROUGH OR NOTCHES IN THE TOP OF HORIZONTAL MEMBERS.

**NAILING SCHEDULE:-** USE THE FOLLOWING TABLE UNLESS NOTED OTHERWISE ON THE PLANS OR DETAILS (COMMON WIRE NAILS OR EQUAL)  
TABLE 2304.9.11 IN THE 2006INTERNATIONAL BUILDING CODE

**WOOD CONNECTIONS:** NOTATIONS ON DRAWINGS RELATING TO FRAMING CLIPS, JOISTS AND PURLIN HANGERS, AND OTHER CONNECTING DEVICES REFER TO CATALOG NUMBERS OF CONNECTORS MANUFACTURED BY THE SIMPSON STRONG-TIE COMPANY. EQUIVALENT DEVICES BY OTHER MANUFACTURERS MAY BE USED PROVIDED THEY HAVE ICBO APPROVAL FOR EQUAL LOAD CAPACITIES. WHERE SPECIFIC CONNECTORS ARE NOT INDICATED, SIMILAR DEVICES TO THOSE SHOWN SHALL BE USED. PROVIDE CONNECTING DEVICES WITH GALVANIZED COATING (G185- PERASTM A663) AND HOT-DIP FASTENERS (ASTM A153) WHEN USED WITH TREATED WOOD PRODUCTS.

**FRAMING AT WALL OPENINGS:** PROVIDE THREE- 2x8 HEADERS ON CRIPPLE STUDS, AND FULL HEIGHT DOUBLE STUDS EACH SIDE OF ALL OPENINGS IN STUD WALLS NOT DETAILED OTHERWISE.

**BLOCKING IN WALLS:** PROVIDE CONTINUOUS SOLID BLOCKING AT 6 FOOT MAXIMUM CENTERS IN ALL STUD WALLS OVER 8 FEET IN HEIGHT.

**ANCHORAGE**

**HEADED CONCRETE ANCHORS (HCA):** AUTOMATICALLY END WELDED IN THE SHOP OR FIELD IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. ANCHOR WELDS SHALL BE TESTED PER AWS SECTION 7.7.

**POST-INSTALLED MECHANICAL ANCHORS:** SEE DETAILS  
INSTALL USING MINIMUM TORQUE, EMBEDMENTS, EDGE DISTANCES AND SPACING (UNLESS OTHERWISE NOTED) AS RECOMMENDED BY THE ANCHOR MANUFACTURER.

**POST-INSTALLED ADHESIVE ANCHORS:** SEE DETAILS  
INSTALLATION TO MEET MANUFACTURER'S RECOMMENDATIONS (UNLESS NOTED OTHERWISE)  
MIN. EMBEDMENTS, EDGE DISTANCES, SPACING, PROCEDURES, AND CURING TIME PRIOR TO LOADING.  
POST-INSTALLED ANCHORS SHALL BE LOCATED PER THE DETAILS.

AVOID CUTTING OR DAMAGING EXISTING REINFORCING. SHOULD LOCATIONS OF DRILLED HOLES BE FOUND DIRECTLY ALIGNED WITH REINFORCING BARS, NOTIFY ENGINEER FOR NECESSARY ADJUSTMENTS TO THE DESIGN.

POST-INSTALLED ANCHORS LOCATED IN PRESTRESSED MEMBERS SHALL NOT BE DRILLED UNTIL EXACT LOCATIONS OF TENDONS OR STRANDS ARE DETERMINED USING NON-DESTRUCTIVE METHODS.

BLAND PARK BATHROOM					CITY OF PARAGOULD					
										DESIGN DR
DRAWN DR					STANDARD SPECIFICATIONS					OF
No.	Revision	Date	Originally sealed by	Seal No.	Date	7				