

CITY OF RENSSELAER JASPER COUNTY, INDIANA

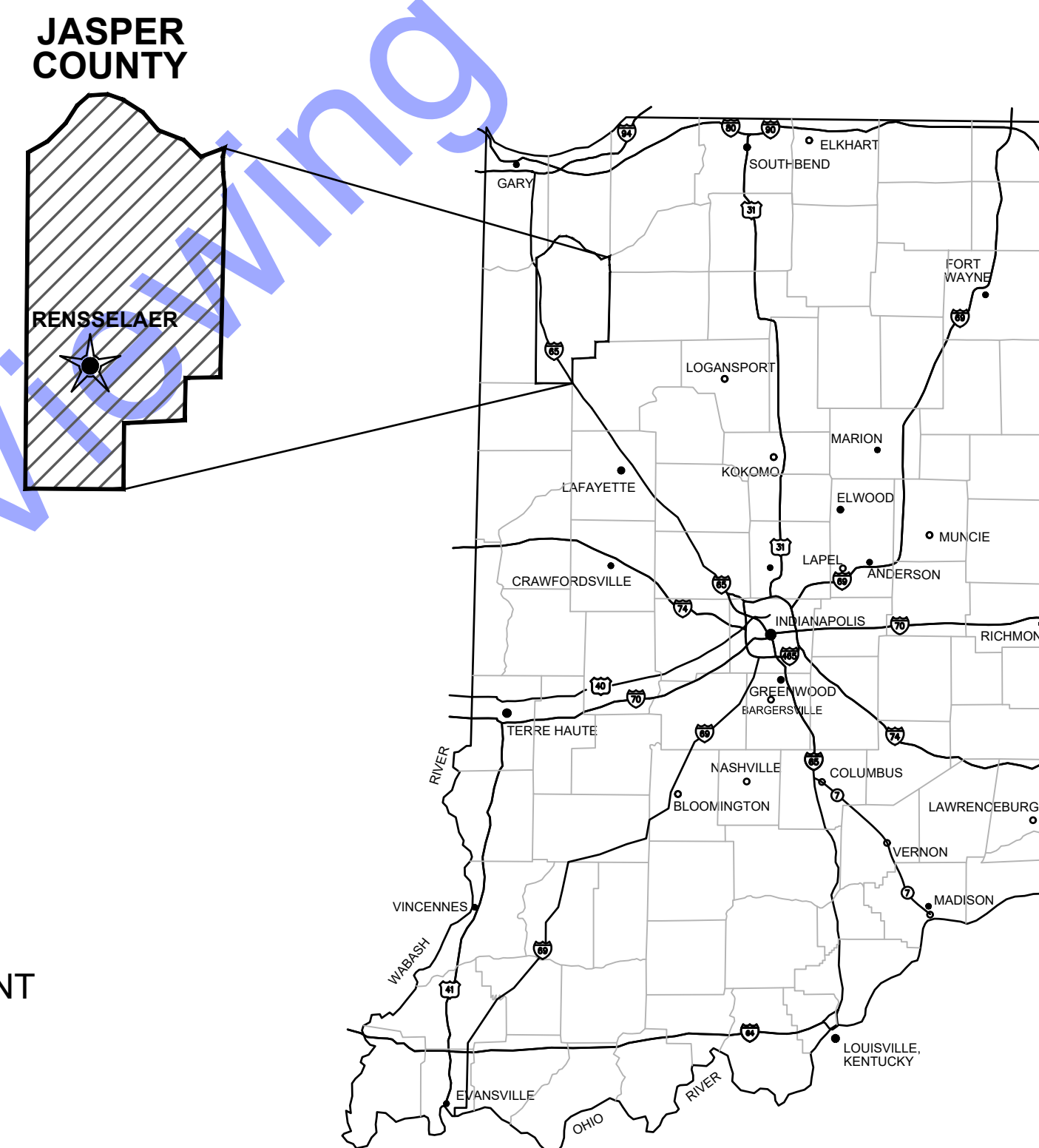
FARMER'S MARKET PAVILION

APRIL 2026

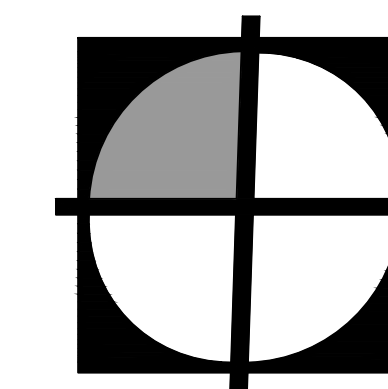
CITY COUNCIL

- JEFFREY S. PHILIPS MAYOR
- KEVIN M. ARNOLD MEMBER
- NOELLE WEISHAAR MEMBER
- JEFF RAYBURN MEMBER
- ERNEST WATSON JR. MEMBER
- RUSSELL OVERTON MEMBER
- SHELBY E. KEYS CLERK-TREASURER

- BRYCE BLACK WATER-WASTEWATER SUPERINTENDENT
- JOSH ELDRIDGE ASSISTANCE SUPERINTENDENT
- TODD SAMMONS CITY ATTORNEY



GENERAL LOCATION MAP



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QA/QC BY : ANDREW ROBARGE, P.E. 4/28/26
DATE :

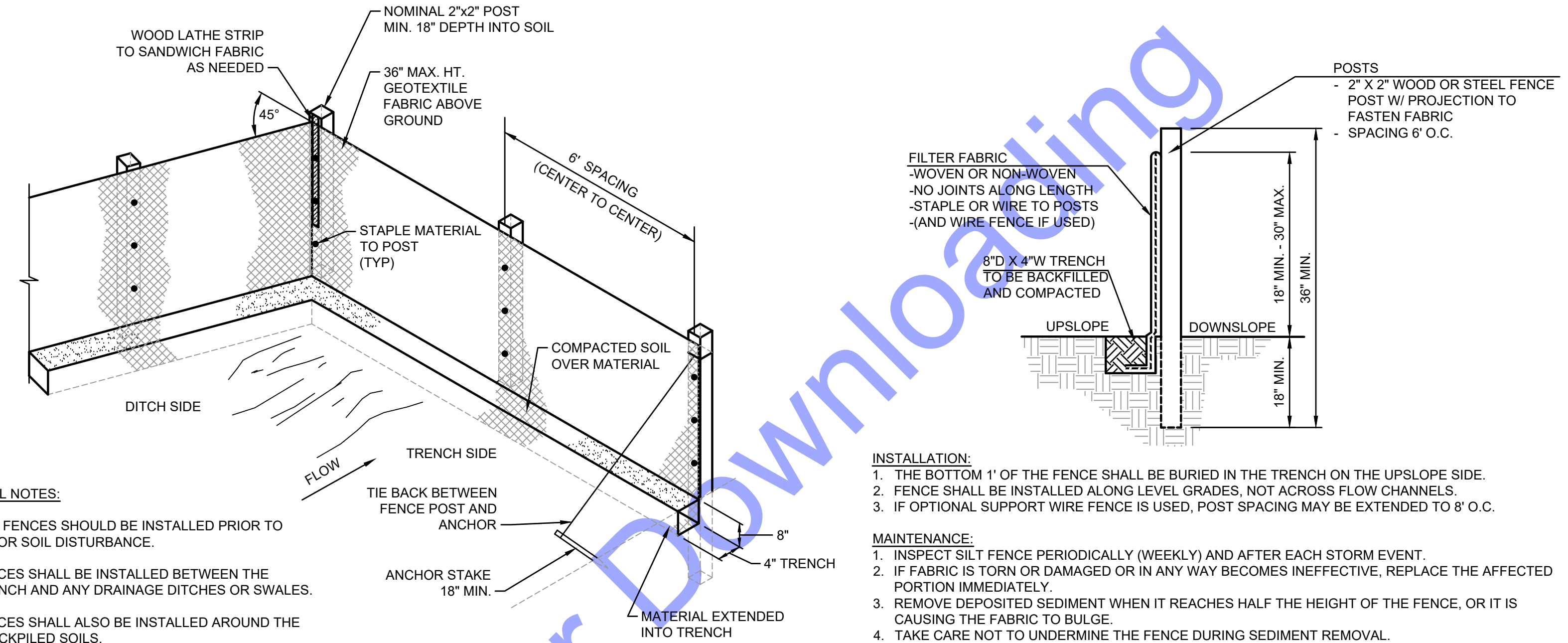
CERTIFIED BY :  4/28/26
RYAN LAREAU DATE :
INDIANA P.E. No. 11800145



CONTRACT NO. : M26049

GENERAL EROSION AND SEDIMENT CONTROL NOTES

1. ALL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE INDIANA STORM WATER QUALITY MANUAL FROM THE INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT AND LOCAL EROSION AND SEDIMENT CONTROL ORDINANCE, OR SWCD.
2. THE NOTICE OF INTENT (NOI) AND PUBLIC NOTICE FOR THE PROJECT SHALL BE POSTED ON A SIGN INSTALLED AT OR NEAR THE SITE CONSTRUCTION TRAILER. THE NOI SHALL LIST THE CONTACT INFORMATION FOR THE SITE CONTACT PERSON. THE SIGN AND INFORMATION SHALL BE MAINTAINED AND REMAIN LEGIBLE THROUGHOUT CONSTRUCTION.
3. A COPY OF THIS EROSION AND SEDIMENT CONTROL PLAN AND THE EROSION AND SEDIMENT CONTROL REPORT SHALL BE AVAILABLE AT THE PROJECT SITE THROUGHOUT THE ENTIRE CONSTRUCTION PERIOD.
4. THE CONTRACTOR SHALL CONTROL WASTE, GARBAGE, DEBRIS, WASTEWATER, AND OTHER SUBSTANCES ON THE SITE SO THEY WILL NOT BE TRANSPORTED FROM THE SITE BY THE ACTION OF WIND, STORM WATER RUNOFF, OR OTHER FORCES. PROPER DISPOSAL OR MANAGEMENT OF ALL WASTES AND UNUSED BUILDING MATERIAL APPROPRIATE TO THE NATURE OF THE WASTE OR MATERIAL IS REQUIRED.
5. PUBLIC OR PRIVATE ROADWAYS SHALL BE KEPT CLEAR OF ACCUMULATED SEDIMENT. ALL SEDIMENT THAT IS CLEARED MUST BE RETURNED TO THE LIKELY POINT OF ORIGIN OR OTHER SUITABLE LOCATION. CLEARING OF LARGE AMOUNTS OF SEDIMENT SHALL NOT INCLUDE FLUSHING THE AREA WITH WATER.
6. MINIMIZE THE EXPOSURE OF BARE EARTH BY LIMITING THE WORK AREA TO THAT NECESSARY TO PERFORM THE WORK, AND BY PROPER SCHEDULING OF MANPOWER AND EQUIPMENT.
7. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED, CLEANED, AND MAINTAINED FOLLOWING EACH STORM EVENT.
8. WHEREVER POSSIBLE, MAINTAIN EXISTING VEGETATIVE COVER. USE NON-VEGETATIVE MATERIAL INCLUDING MULCH, EROSION BLANKETS, OR STONE TO CONTROL EROSION FROM DISTURBED AREAS.
9. A LOG SHALL BE MAINTAINED OF ALL INSPECTIONS (WEEKLY, AND FOLLOWING STORM EVENTS), MAINTENANCE AND REPAIR OF EROSION AND SEDIMENT CONTROL MEASURES. THE LOG SHALL BE MAINTAINED ON SITE AND BE AVAILABLE UPON REQUEST TO THE OWNER'S REPRESENTATIVES AND THE OPERATING AUTHORITIES HAVING JURISDICTION OVER THE SITE.



GENERAL NOTES:

1. SILT FENCES SHOULD BE INSTALLED PRIOR TO MAJOR SOIL DISTURBANCE.
2. FENCES SHALL BE INSTALLED BETWEEN THE TRENCH AND ANY DRAINAGE DITCHES OR SWALES.
3. FENCES SHALL ALSO BE INSTALLED AROUND THE STOCKPILED SOILS.
4. THE GEOTEXTILE SHALL BE FREE FROM DEFECTS, TEARS, PUNCTURES, FLAWS, DETERIORATION OR DAMAGE INCURRED DURING MANUFACTURE, TRANSPORTATION, STORAGE, OR INSTALLATION.
5. TIE BACKS SHALL BE PLACED AS REQUIRED.

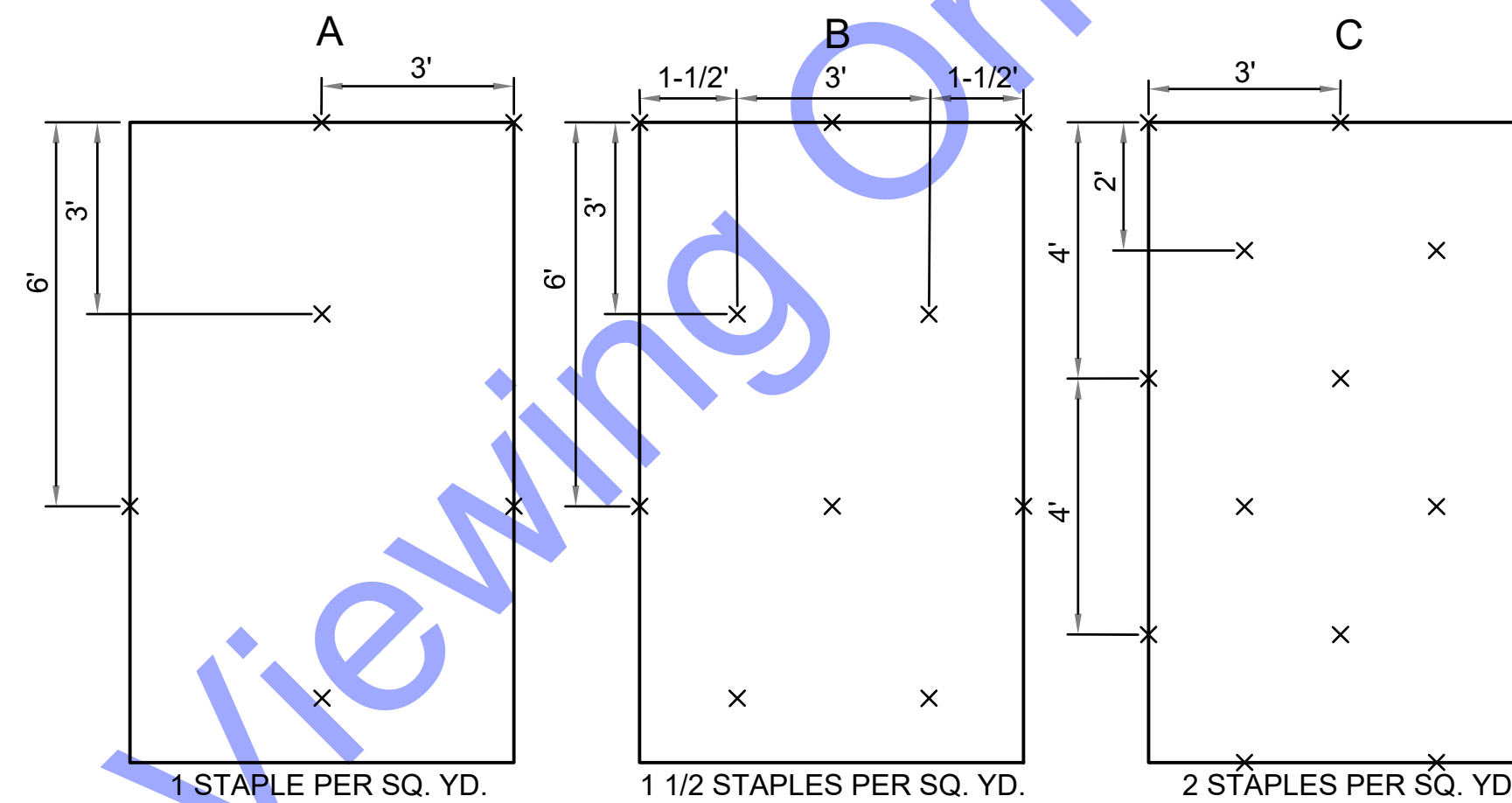
INSTALLATION:

1. THE BOTTOM 1' OF THE FENCE SHALL BE BURIED IN THE TRENCH ON THE UPSLOPE SIDE.
2. FENCE SHALL BE INSTALLED ALONG LEVEL GRADES, NOT ACROSS FLOW CHANNELS.
3. IF OPTIONAL SUPPORT WIRE FENCE IS USED, POST SPACING MAY BE EXTENDED TO 8' O.C.

MAINTENANCE:

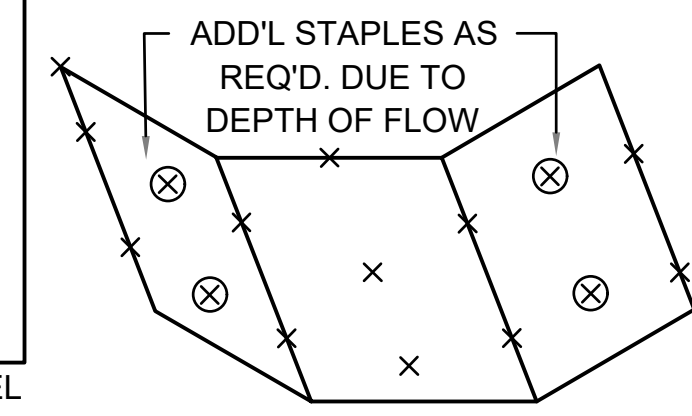
1. INSPECT SILT FENCE PERIODICALLY (WEEKLY) AND AFTER EACH STORM EVENT.
2. IF FABRIC IS TORN OR DAMAGED OR IN ANY WAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED PORTION IMMEDIATELY.
3. REMOVE DEPOSITED SEDIMENT WHEN IT REACHES HALF THE HEIGHT OF THE FENCE, OR IT IS CAUSING THE FABRIC TO BULGE.
4. TAKE CARE NOT TO UNDERMINE THE FENCE DURING SEDIMENT REMOVAL.
5. AFTER THE CONTRIBUTING AREA HAS BEEN STABILIZED, REMOVE THE FENCE AND REMAINING SEDIMENT, BRING THE DISTURBED AREA TO GRADE, AND STABILIZE.

SILT FENCE DETAIL
NOT TO SCALE



GENERAL STAPLE RECOMMENDATIONS

SLOPE LENGTH FT.	300	B	C	C	C	CHANNEL LINING
	250	B	C	C	C	
225	A	B	C	C		
200	A	B	C	C		
175	A	B	C	C		
150	A	B	C	C		
125	A	B	C	C		
100	A	B	C	C		
75	A	B	C	C		
50	A	B	C	C		
25	A	B	C	C		
		4:1	3:1	2:1	1:1	



EROSION CONTROL BLANKET
NOT TO SCALE

SPECIFICATIONS

- EFFECTIVE LIFE**
- THE FUNCTIONAL LIFE OF AN EROSION CONTROL BLANKET IS DEPENDENT ON THE MATERIALS USED.

ANCHORING

- STAPLES, PINS OR STAKES USED TO PREVENT MOVEMENT OR DISPLACEMENT OF BLANKET. (FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR SPECIFIC APPLICATIONS.)

MATERIALS

- ORGANIC (STRAW, EXCELSIOR, WOVEN PAPER, COCONUT FIBER, ETC.) OR SYNTHETIC MULCH INCORPORATED WITH A POLYPROPYLENE, NATURAL FIBER OR SIMILAR NETTING MATERIAL. (THE NETTING MAY BE BIODEGRADABLE, PHOTODEGRADABLE OR PERMANENT.)

NOTE: SOME EROSION CONTROL BLANKET NETTINGS MAY POSE A THREAT TO CERTAIN SPECIES OF WILDLIFE IF THEY BECOME ENTANGLED IN THE NETTING MATRIX.

- 6-12 INCH STAPLES, PINS, OR STAKES.

INSTALLATION

1. SELECT THE TYPE AND WEIGHT OF EROSION CONTROL BLANKET TO FIT THE SITE CONDITIONS (E.G., SLOPE, CHANNEL, FLOW VELOCITY) PER THE MANUFACTURER'S RECOMMENDATIONS.
2. PREPARE THE SEEDBED, ADD SOIL AMENDMENTS, AND PERMANENTLY SEED THE AREA IMMEDIATELY FOLLOWING SEEDBED PREPARATION.
3. LAY EROSION CONTROL BLANKETS ON THE SEEDED AREA SO THAT THEY ARE IN CONTINUOUS CONTACT WITH THE SOIL WITH EACH UP-SLOPE OR UP-STREAM BLANKET OVERLAPPING THE DOWN-SLOPE OR DOWN-STREAM BLANKET BY AT LEAST EIGHT INCHES, OR FOLLOW MANUFACTURER'S RECOMMENDATIONS.
4. TUCK THE UPPERMOST EDGE OF THE UPPER BLANKETS INTO A CHECK SLOT (SLIT TRENCH), BACKFILL WITH SOIL AND TAMP DOWN. IN CERTAIN APPLICATIONS, THE MANUFACTURER MAY REQUIRE ADDITION CHECK SLOTS AT SPECIFIC LOCATIONS DOWN SLOPE FROM THE UPPERMOST EDGE OF THE UPPER BLANKETS.
5. ANCHOR THE BLANKETS IN PLACE BY DRIVING STAPLES, PINS, OR STAKES THROUGH THE BLANKET AND INTO THE UNDERLYING SOIL. FOLLOW AN ANCHORING PATTERN APPROPRIATE FOR THE SITE CONDITIONS AND AS RECOMMENDED BY THE MANUFACTURER.

MAINTENANCE

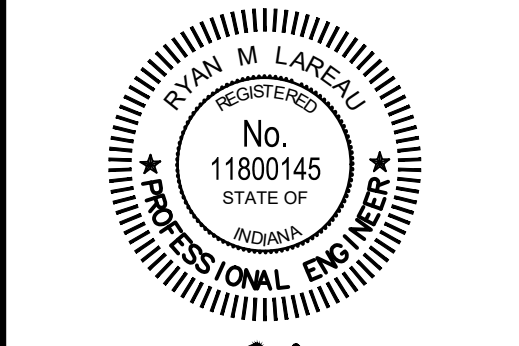
- INSPECT WITHIN 24 HOURS OF EACH RAIN EVENT AND AT LEAST ONCE EVERY SEVEN CALENDAR DAYS.
- CHECK FOR EROSION OR DISPLACEMENT OF THE BLANKET.
- IF ANY AREA SHOWS EROSION, PULL BACK THAT PORTION OF THE BLANKET COVERING THE ERODED AREA, ADD SOIL AND TAMP, RESEED THE AREA, REPLACE AND STAPLE THE BLANKET.

NOTES

CHANNEL LININGS UTILIZE STAPLE PATTERN "C" WITH ADDITIONAL STAPLES ON SIDE SLOPES AT PROJECTED WATER LINE.

STAPLE PATTERNS APPLY TO ALL NORTH AMERICAN GREEN EROSION CONTROL BLANKETS. STAPLE PATTERNS MAY VARY DEPENDING UPON SOIL TYPE AND AVERAGE RAINFALL.

AT SLOPE LENGTHS GREATER THAN 300 FEET OR WHERE DRAINAGE OVER LARGE AREAS IS DIRECTED ONTO THE BLANKETS, STAPLE PATTERN "C" SHOULD BE UTILIZED.



Signature: *[Signature]* Date: 4/28/26

CITY OF RENSSELAER
JASPER COUNTY, INDIANA
FARMER'S MARKET PAVILION

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No.	Submitted / Revision	By	Date

Designed By: RML Drawn By: ACH Checked By: AMR
Issue Date: 4/28/26 Project No: M26049 Scale: AS SHOWN

STORMWATER POLLUTION PREVENTION PLAN DETAILS

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File: Z:\SHARED\CLIENTS\IN\RENSSELAER\1026188\FARMER'S MARKET PAVILION\DWG\CAD\CURRENT FILES\1 DRAWINGS\04-SWPPP DRAWINGS.DWG
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- General Specs:**
- All material and work shall be finished and completed in strict accordance with all provisions of the applicable adopted model building code, amendments, ordinances and all referenced standards.
 - Under no conditions shall structural member be removed, cut, relocated, or otherwise damaged without engineer's written consent.
 - Fire-stopping system shall be installed to resist the spread of fire, smoke, and gases according to all applicable codes.
 - General Contractor to provide miscellaneous blocking and framing as required to support facing materials, fixtures, specialty items, and trim.
 - Back filling of holes around column shall be done with the excavated soil and compacted continuously as the hole is being filled to minimize settling. It is normal and expected that settling will occur and addition materials will need to be added to level the holes. If gravel is to be used as back fill, it must be a well-graded, crushed, granular aggregate such as IN-53's or IL-CA-6.
 - Interior finishes shall have flame spread and smoke developed indexes that are less than or equal to what the governing building code allows.
 - Purchaser responsible for holding all trades accountable for maintaining / repairing any penetrations through insulation and/or barrier(s) to their original uncompromised state.

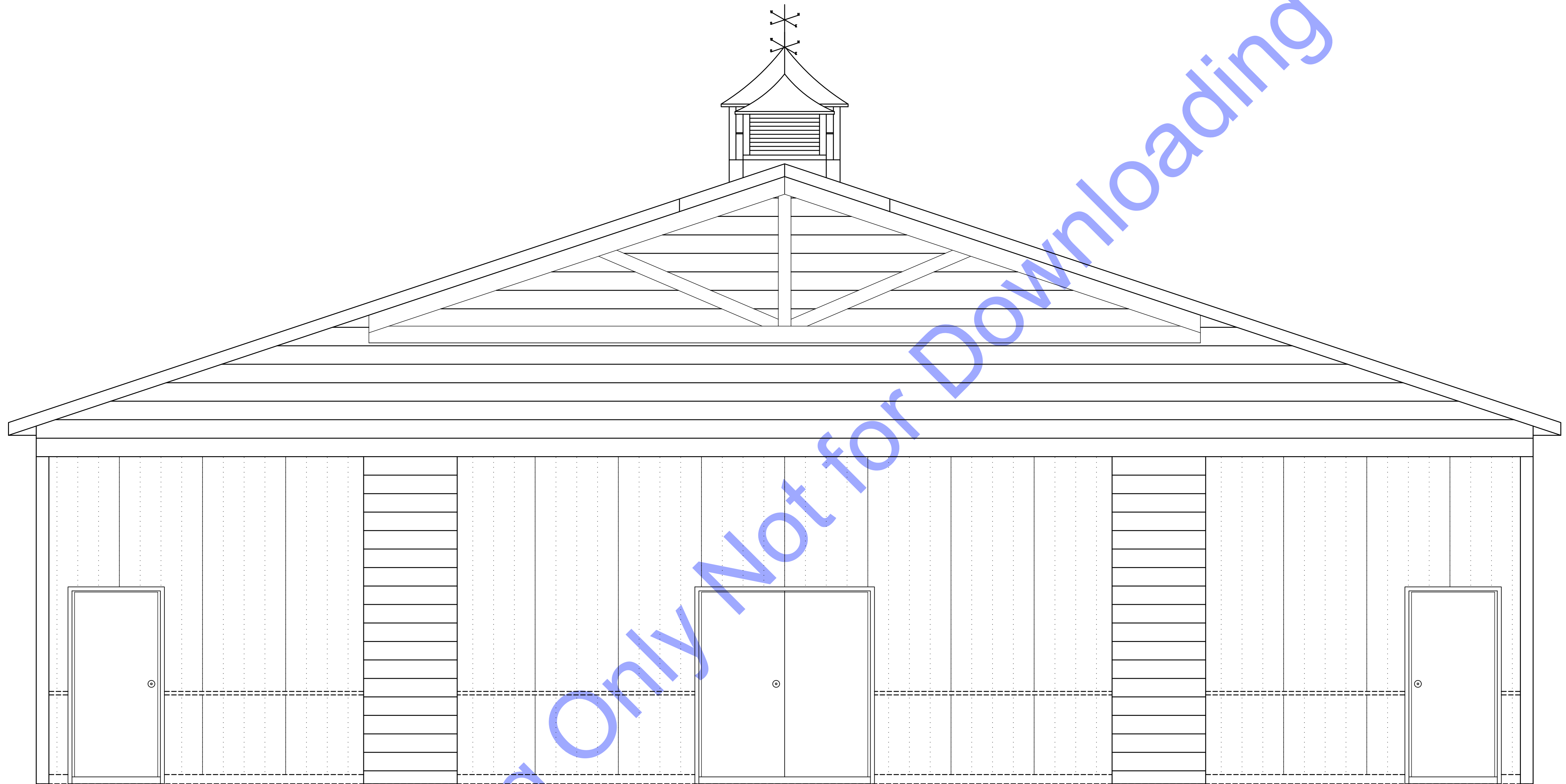
- Wood Specs:**
- Design and construction of all structural wood members shall be in accordance with the current or referenced issue of American Wood Council-NDG with supplement.
 - Minimum grades of all wood members shall be as follows unless noted otherwise:
Girts - (2x4) MSR1 G50 SPF - (2x6) #2 SPF or better
Purlins, studs & bracing - (2x4) #2 SPF or better - (2x6) #2 SPF or better
Columns - (2x6) #1 SYP treated & non-treated
Columns - (2x8) #1 SYP treated & MSR2400 SYP non-treated
Truss webs, chords, headers, joist, rafters & all other framing material
#1 or #2 SYP - (2x4 & 2x6)
MSR 2400 SYP - (2x8, 2x10 & 2x12)
2.0E F_p = 3,100psi - (LVU)
 - All members in contact with soil or concrete shall be preservative-treated to min 0.8 #/c.f. retention CCA for columns/posts and UC4 Ground Contact for all others.
 - Plywood and OSB, when shown on construction documents shall be APA rated.
 - Deflections of wood members shall be limited to the model building code-specified minimums.

- Fastener Specs:**
- Nails shall be called out on drawings by penny weight. The following fasteners & specs have been used in design & shall be used in construction:
- 10d x 1 1/2" - .148" x 1 1/2"
- 10d - .120" x 2 3/4" threaded pneumatic
- 16d - .162" x 3 1/2" common
- 16d R.S. - .148" x 3 1/2" threaded hardened-steel
 - Substitution of fasteners shall not be permitted without the written consent of the design engineer except as follows:
- 10d nails may be used to replace 16d or 16d R.S. nails where specified at a 2:1 ratio.
- 16d or 16d R.S. nails may be used to replace 10d nails where specified at a 2:3 ratio.
 - Unless noted otherwise all nails shall be evenly distributed over the connection area, placed in an orderly straight pattern, and shall be driven into the center of the narrow face of 2x members when applicable. Edge distances, end distances and spacing for nails shall be sufficient to prevent splitting of the wood. Nails that do not make a solid connection shall be compensated for by adding extra nails that meet the required specs.
 - Fasteners in pressure treated lumber must be hot-dipped galvanized, stainless steel or tested for that purpose.
 - All light-gauge metal connectors shall be fastened per manufacturer's specs.
 - Fasteners called out on the drawings shall be as follows:
- STRUCTURAL-XS - 1/4" x 1 1/2" GRK R55 or equal
- STRUCTURAL-S - 3/8" x 2 1/2" GRK R55 or equal
- STRUCTURAL-M - 3/8" x 4" GRK R55 or equal
- STRUCTURAL-L - 7/8" x 6" GRK R55 or equal
- PURLIN SCREW - 3/8" x 6" FASTENMASTER HEADLOK or equal
- I-BEAM SCREW - 1/2" x 2 1/2" IMPAX WOOD TO METAL SELF-DRILLER or equal
- CONCRETE SCREW - 1/4" x 2 3/4" TAPCON or equal

- Sheet Metal Specs:**
- Roof material: Pre-finished galvanized or galvalume panels, colors as selected by owner. Panels shall be min. 29 gauge.
 - Fasteners: Stainless steel capped #9 carbon steel screw with an integral washer, EPDM seal & finish to match sheet metal color.
 - Install fasteners in pattern shown in drawings.
 - Gutters and down spouts shall be 29 gauge, pre-finished, color as selected by owner.
 - Metal roofing & siding diaphragm strength shall be per FBl Buildings Inc. proprietary specs.

- Finishes (when applicable):**
- Drywall installation must take into consideration the fact that there will be unavoidable truss deflections. Proper usage of deflection clips and fastener patterns must be utilized to reduce cracking potential.
 - Interior finishes shall have flame spread and smoke developed indexes that are less than or equal to what the governing building code allows.

- Insulation & Vapor Retarder (when applicable):**
- Ceiling insulation shall meet or exceed R-values shown on drawings. All indicated spaces shall be completely filled to avoid any gaps or voids.
 - Place visqueen vapor retarder on warm side of insulation and secure in place. Seal joints and holes around penetrations with tape.
 - Below-grade insulation shall be rigid foam insulation and shall meet the requirements of the Energy Code Compliance Report, if applicable. See detail on sheet G50.
 - Insulation materials must meet flame spread and smoke development ratings of the applicable codes.
 - Insulation shall be compliant with all provisions of the applicable code and Energy Compliance Reports if applicable. Vapor retarders shall be placed on warm side of insulation and have all penetrations properly sealed.
 - Building interiors shall be separated from foam plastic insulation with approved thermal barriers in accordance with the applicable codes.



DESIGN LOADS:

ASCE LOAD STANDARD:	7-10
GROUND SNOW LOAD (P _g):	30 psf
ROOF SNOW LOAD (P _s):	21.3 psf
ROOF LIVE LOAD (reducible, L _r):	20 psf
TOP CHORD DEAD LOAD:	4 psf
BOTTOM CHORD DEAD LOAD:	4 psf
BALANCED SNOW:	21.3 psf
WINDWARD SIDE:	6.4 psf
LEEWARD SIDE:	21.3 psf
LEEWARD UNBALANCED:	18.0 psf
UNBALANCED DIST. FROM RIDGE:	8.1 inft
ADDITIONAL DRIFT:	
magnitude at start:	N/A psf
magnitude at end:	N/A psf
distance:	N/A inft
ADDITIONAL SLIDING:	
magnitude:	N/A psf
distance:	N/A inft
DESIGN WIND SPEED:	115 mph
RISK CATEGORY:	2
EXPOSURE CATEGORY:	C
INTERNAL PRESSURE COEFFICIENT:	+/- .55
SEISMIC DESIGN CATEGORY:	B
SITE CLASS:	D
RESPONSE MODIFICATION FACTOR:	6.1/2
ANALYSIS PROCEDURE:	SIMPLIFIED
PRESUMED SOIL BEARING PRESSURE:	1,500 psf

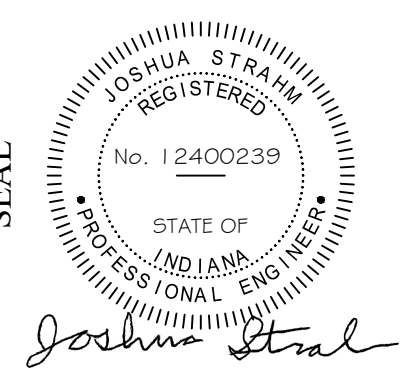
SHEET INDEX

001	TITLE SHEET
100	CONCRETE PLAN
200	FLOOR PLAN
300	ROOF & ATTIC DETAILS
400	EXTERIOR ELEVATIONS
600	CROSS SECTIONS & DETAILS
650	MISC STANDARD DETAILS

DRAWING SYMBOL INDEX

⊥	= CENTERLINE OF DIMENSION
⊗	= 4"x3" DOWNSPOUT LOCATION
	= LAMINATED COLUMN ORIENTATION (NON-STANDARD)

NO.	DATE	BY	DESCRIPTION
2	2024-04-22	Samuel Z.	Approval Set for Door Location Change
1	2024-03-16	Samuel Z.	Approval Set for C.O. IT031226



City of Rensselaer
City Parking Lot
Rensselaer, IN 47978

SHEET TITLE:
TITLE SHEET

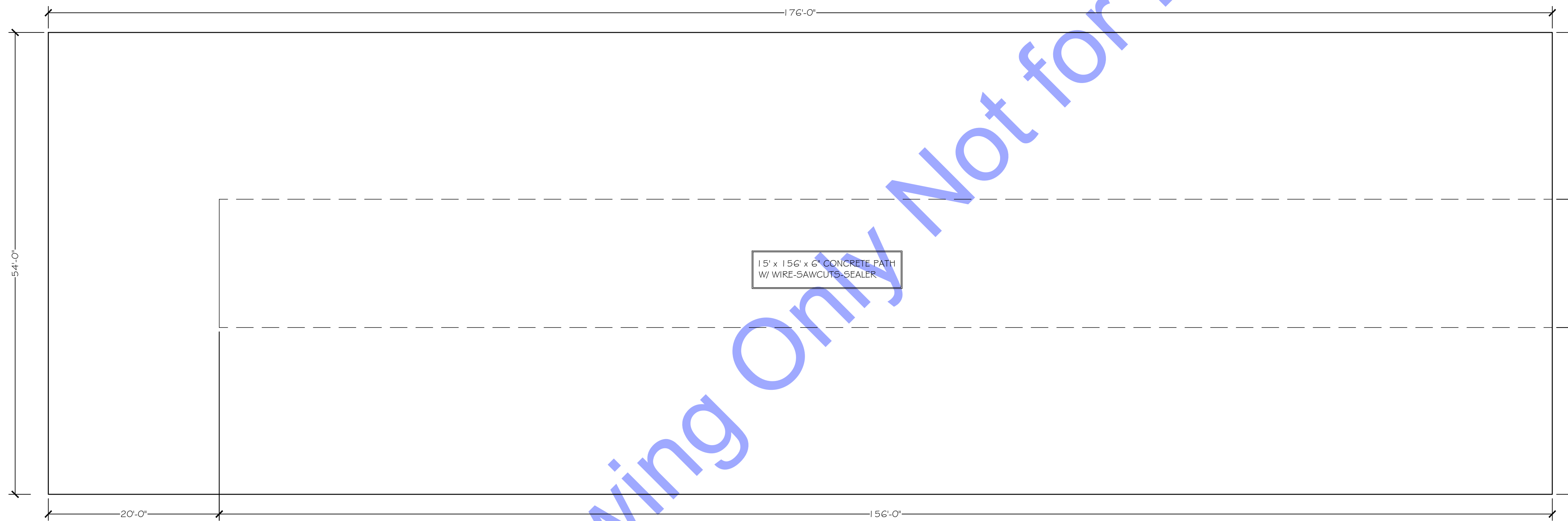
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DRAWN BY: Samuel Z.
MTO BY: XX
ENG. BY: Josh S.
PSC: Jimmy T.

SHEET: **001**

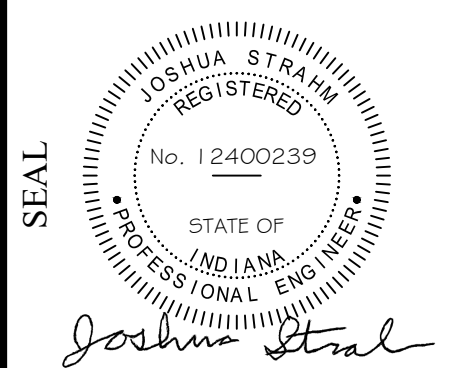
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CONCRETE PLAN
SCALE : 1/8" = 1'-0"

NO.	DATE	BY	DESCRIPTION
2	2016-04-22	Samuel Z.	Approval Set Inc. Door Location Change
1	2016-02-16	Samuel Z.	Approval Set Inc. C.O. #101226

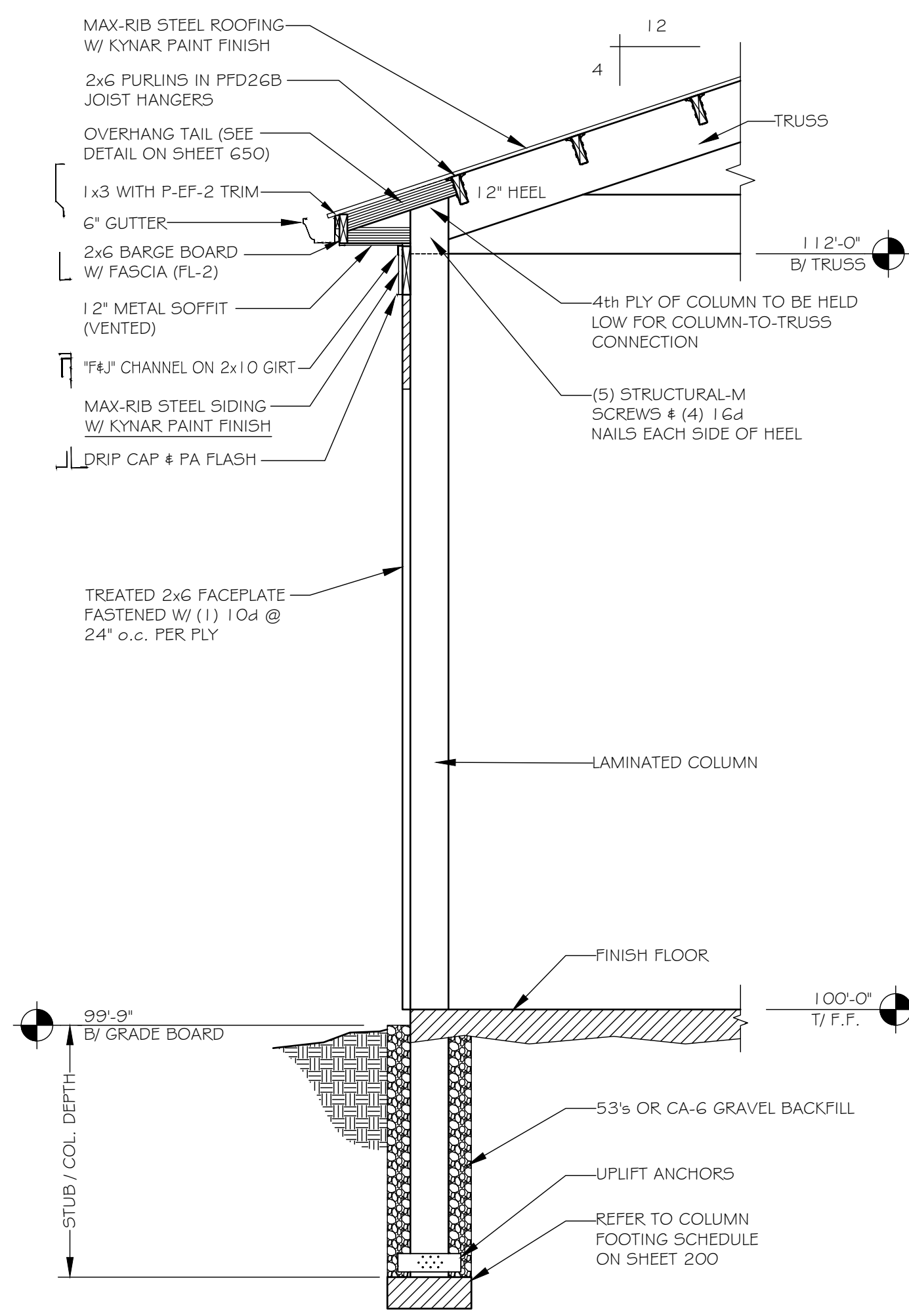


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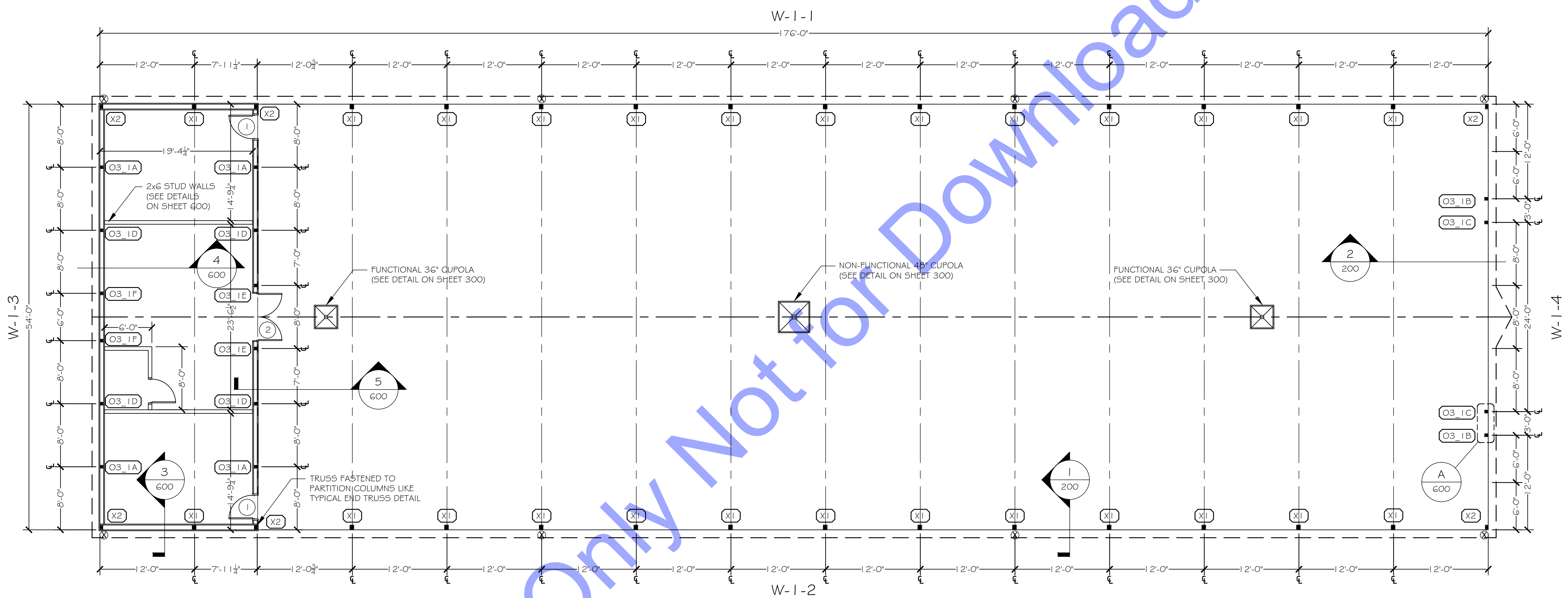
SHEET TITLE:
FOUNDATION PLAN

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DRAWN BY:	Samuel Z.
MTO BY:	XX
ENG. BY:	Josh S.
PSC:	Jimmy T.
SHEET:	100
FBI PROJECT #:	20-3017-00



1 WALL SECTION
SCALE: 3/8" = 1'-0"

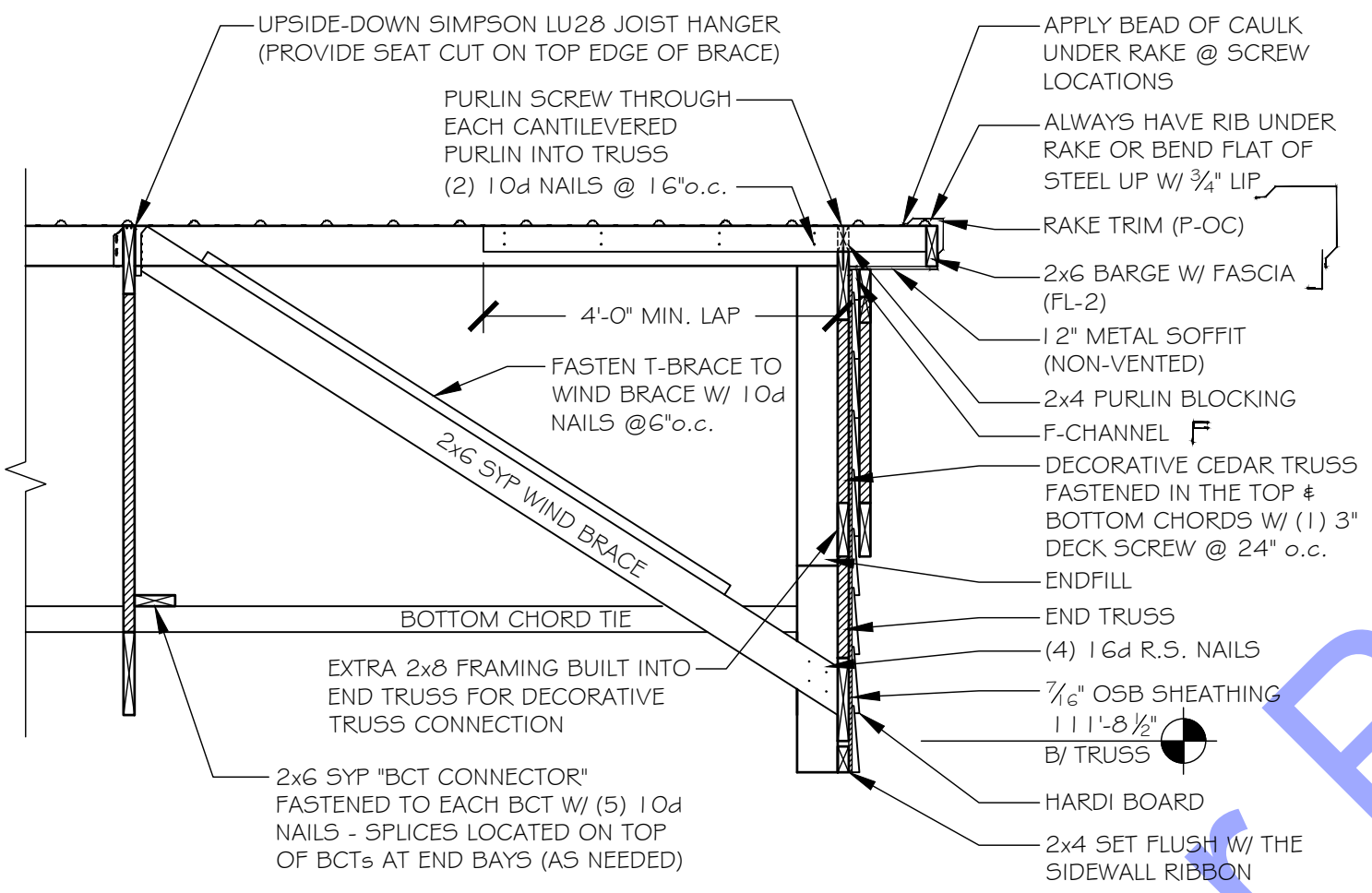


FLOOR PLAN
SCALE: 1/8" = 1'-0"

COLUMN TAG KEY (CONV. LIFT):

XI	MI 2B
----	-------

DIAGONAL: (54'-0" x 58'-8") = 79'-8 1/2" (x3)
 ⊗ = 4' x 3' DOWNSPOUT LOCATION



2 GABLE END SECTION
SCALE: 3/8" = 1'-0"

COLUMN FOOTING SCHEDULE

LABEL	PAD SIZE	TYPE	MISCELLANEOUS NOTES
O	20" Ø x 6"	PRE-CAST	N/A
X	36" Ø	PRE-CAST P.I.P.	SEE COLLAR DETAIL ON SHEET 600

COLUMN STUB SCHEDULE

FULL COLUMNS OR STUBS							
LABEL	STUB / COL. SIZE	LENGTH	UPLIFT ANCHORS	UPLIFT ANCHOR FASTENERS	COMMENTS	BRACKET TYPE	STUB / COL. DEPTH
1	4-PLY 2x8	15'-0"	CONCRETE COLLAR	(2) #6 REBAR	FULL TREATED COLUMNS	N/A	6'-0"
2	3-PLY 2x8	13'-0"	CONCRETE COLLAR	(2) #6 REBAR	FULL TREATED COLUMNS	N/A	6'-0"
3	3-PLY 2x6	11'-0"	(2) 1 1/2" TR. BLOCKS	(10) 1 0d NAILS PER BLOCK	TREATED STUB	N/A	4'-0"

COLUMN TOP SCHEDULE

LABEL	TOP SIZE	COMMENTS
1	3-PLY 2x6	END TOP

END FILL SCHEDULE

LABEL	COLOR / LENGTH
A	RED
B	GREEN
C	YELLOW
D	ORANGE
E	PURPLE
F	BLUE

OPENINGS SCHEDULE

LABEL	TYPE	MFR/MODEL	SIZE	ROUGHOUT	ACCESSORIES	DETAIL LOCATION / COMMENTS
①	WALKDOOR	AJ #5100 SERIES	30G8	40 5/16" x 81"	SOLID PANEL, LEVER LOCKSET	FRAME OUT & INSTALL, SEE FRAME OUT DETAIL ON SHEET 650
②	WALKDOOR	AJ #5100 SERIES	60G8	77 5/8" x 81"	SOLID PANEL, LEVER LOCKSET	FRAME OUT & INSTALL, SEE FRAME OUT DETAIL ON SHEET 650

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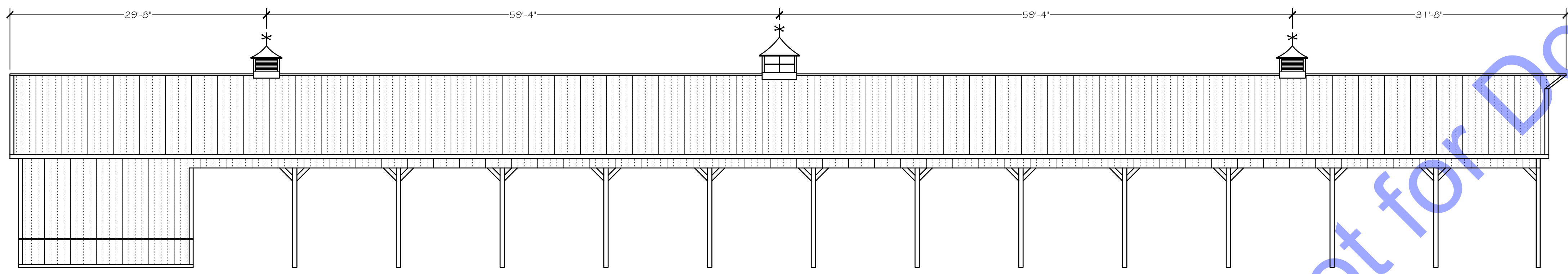
SHEET TITLE:
FLOOR PLAN

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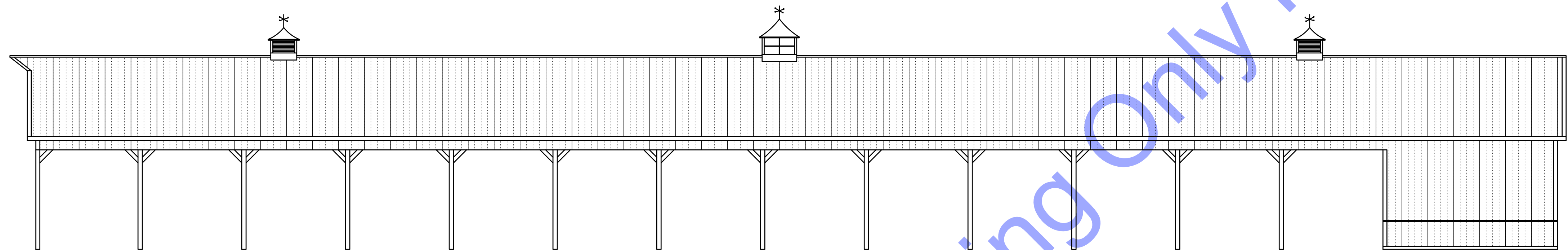
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 MTO BY: JJ
 ENG. BY: Josh S.
 PSC: Jimmy T.

SHEET:
200

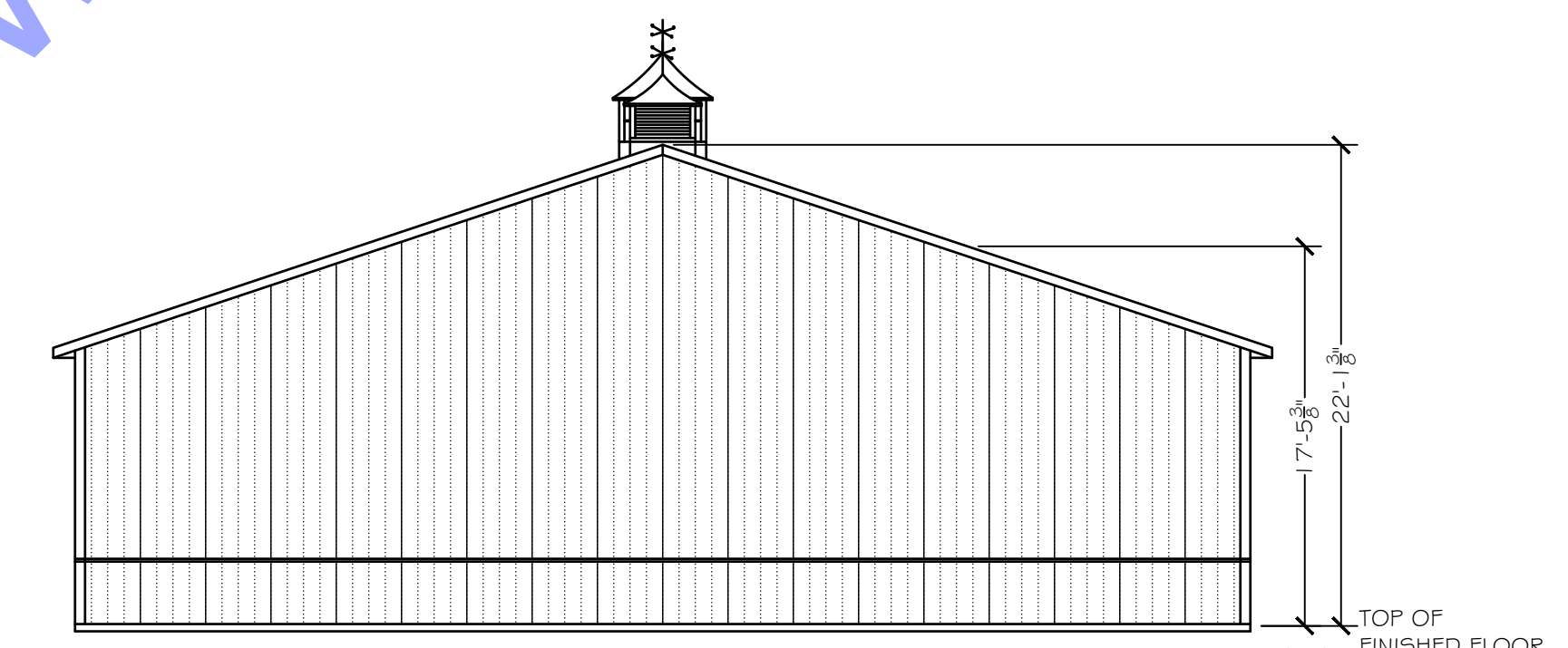
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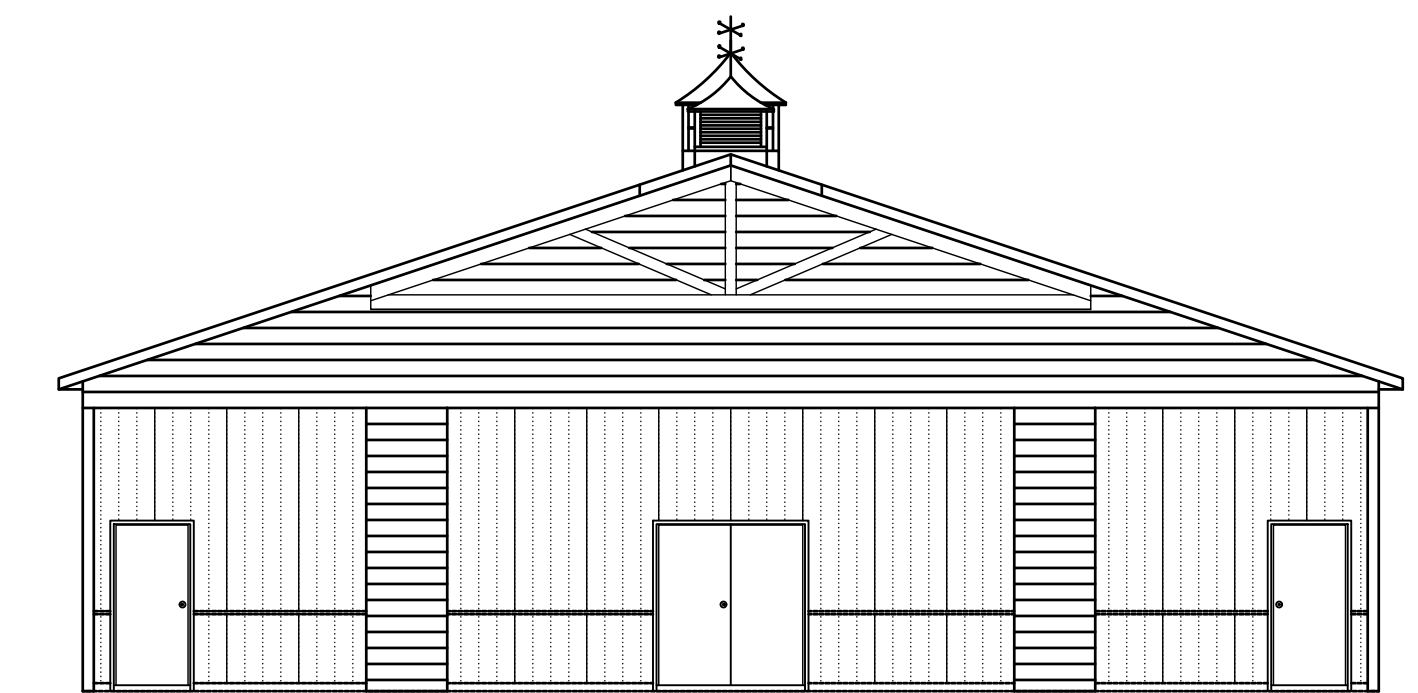
SIDE ELEVATION
SCALE: 1/8" = 1'-0"



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



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



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

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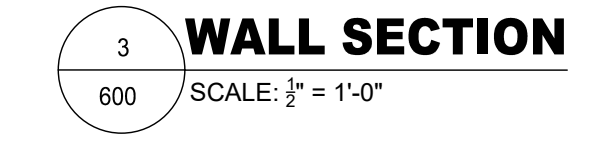
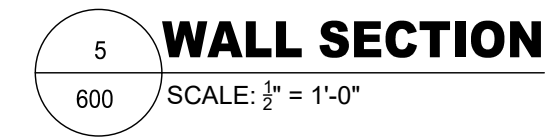
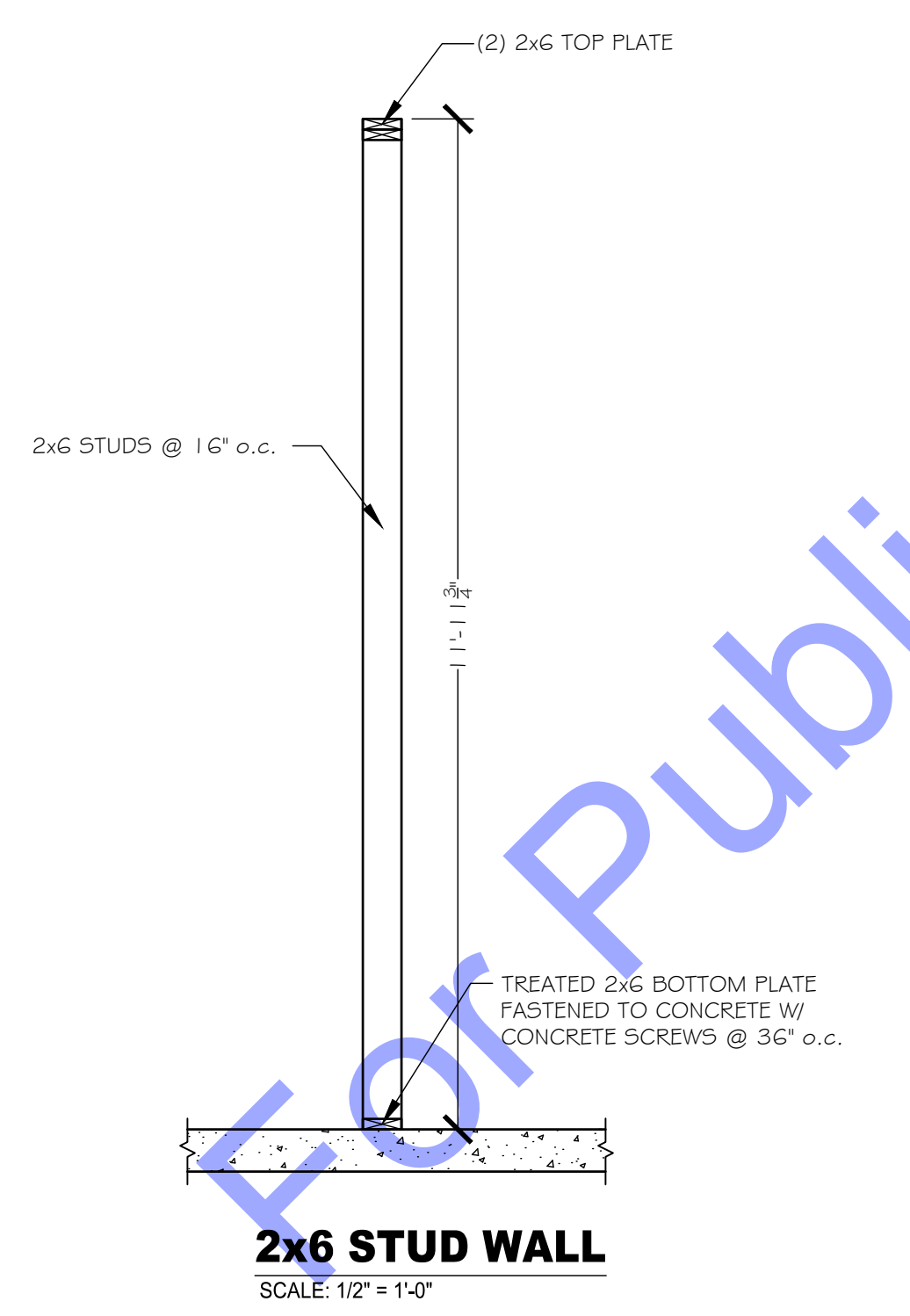
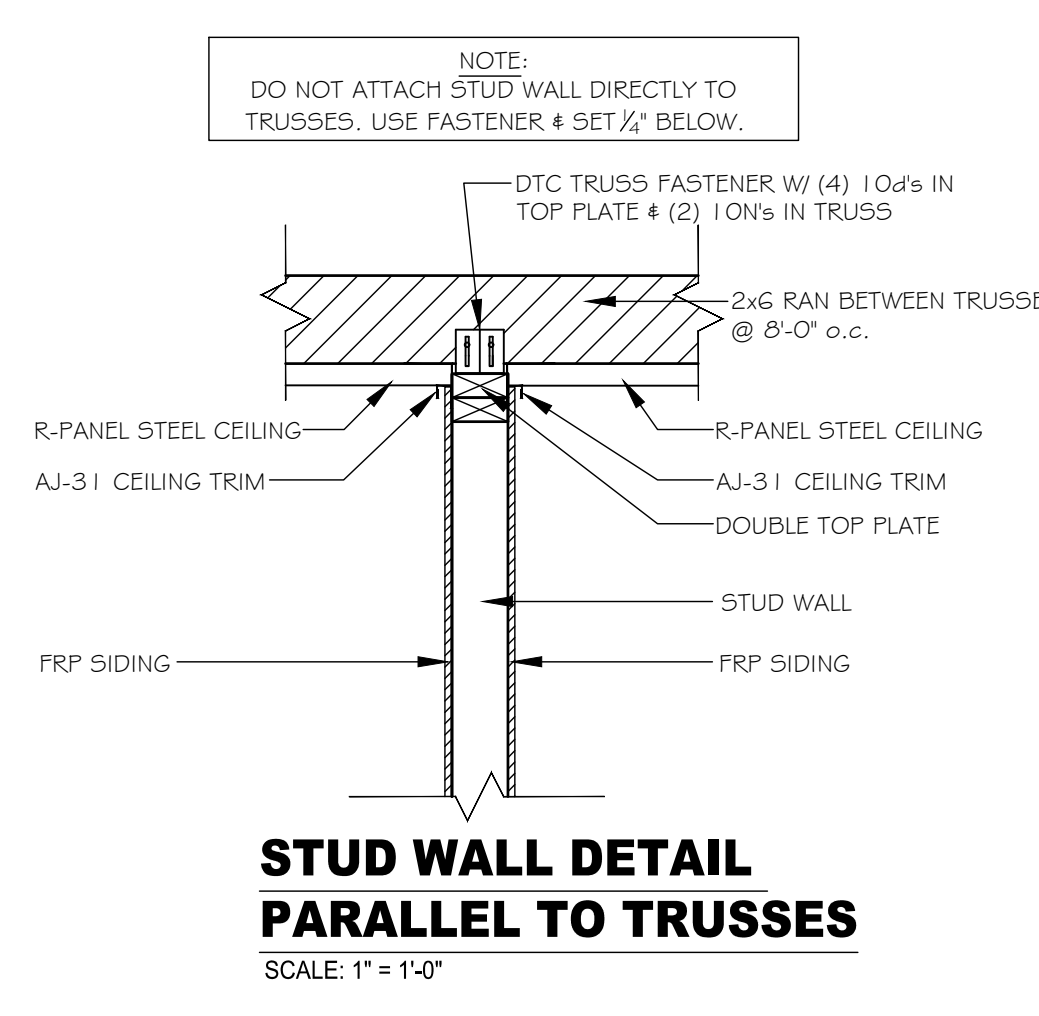
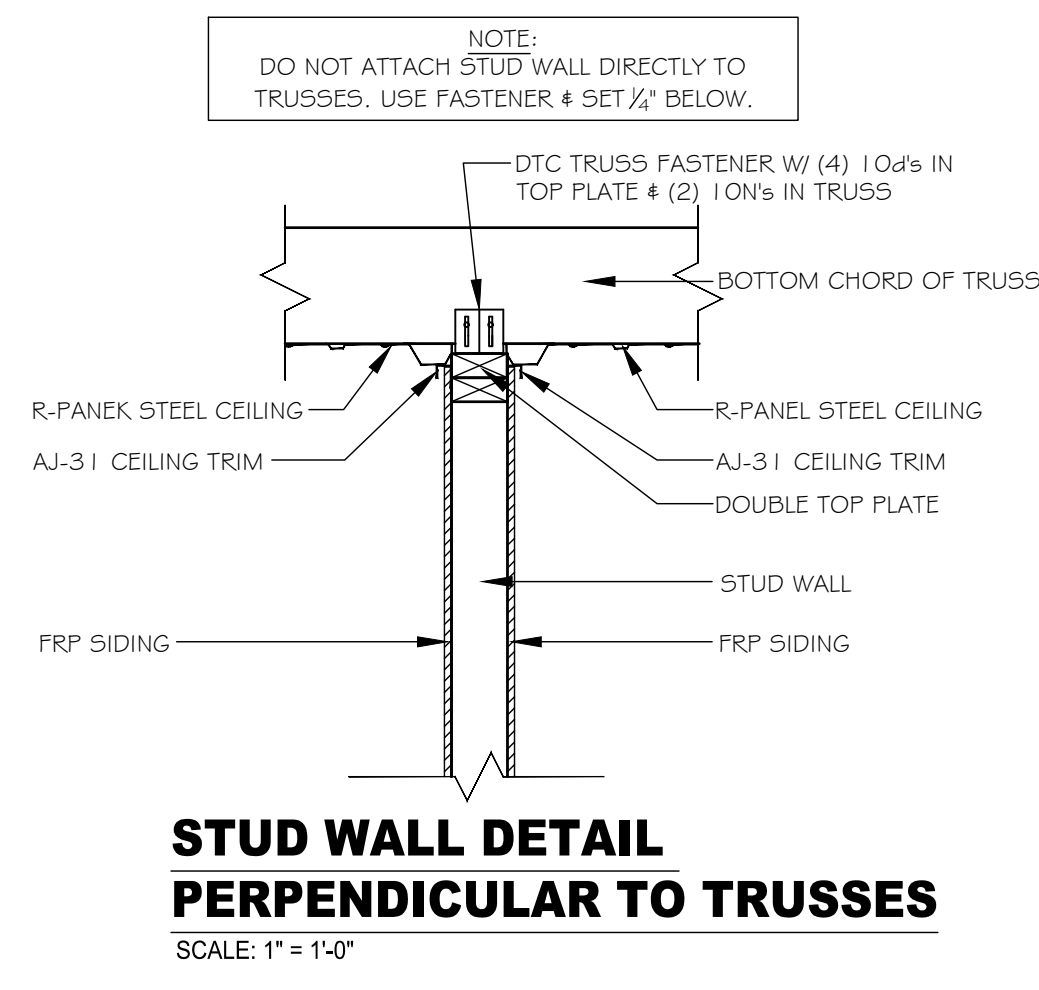
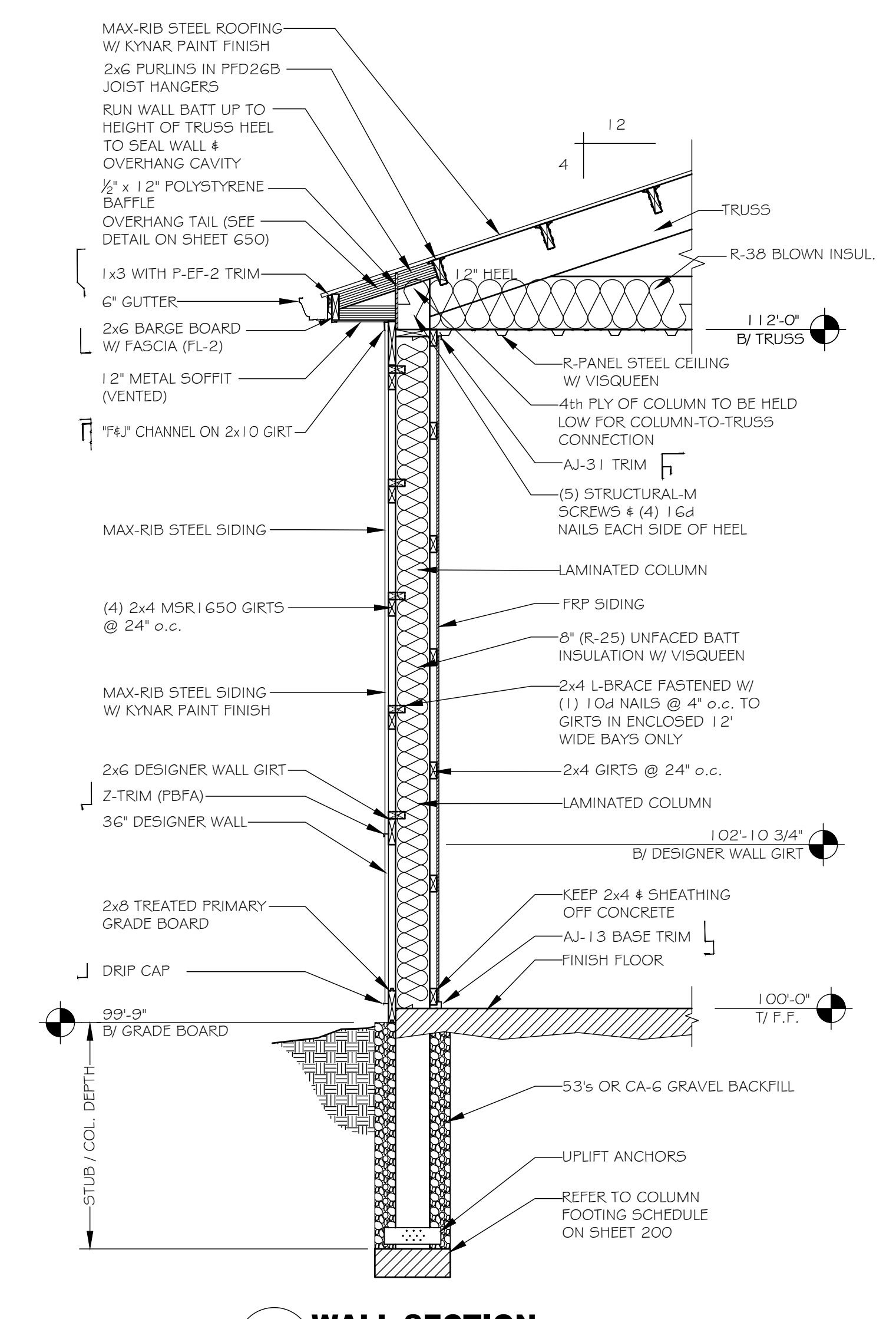
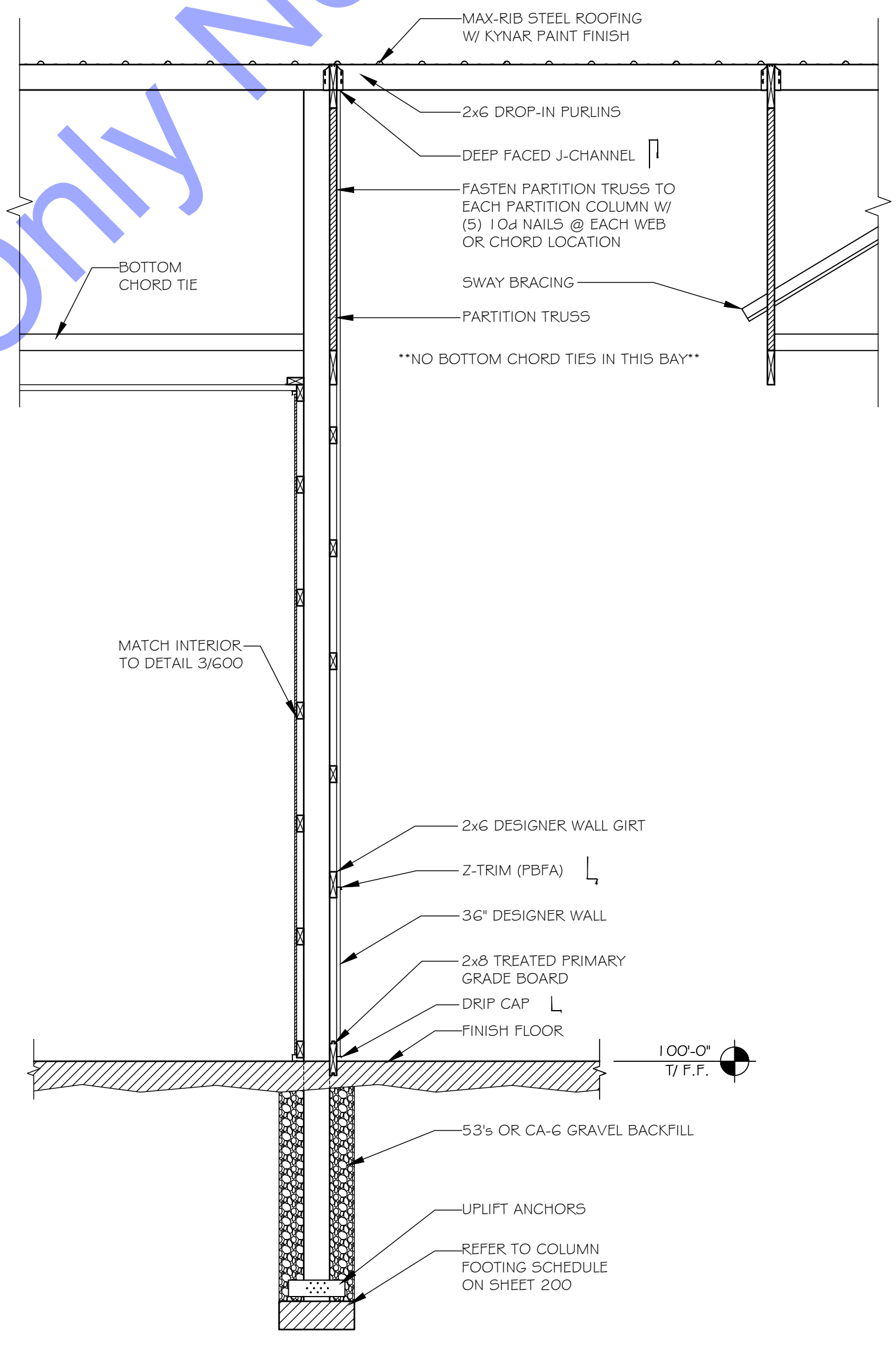
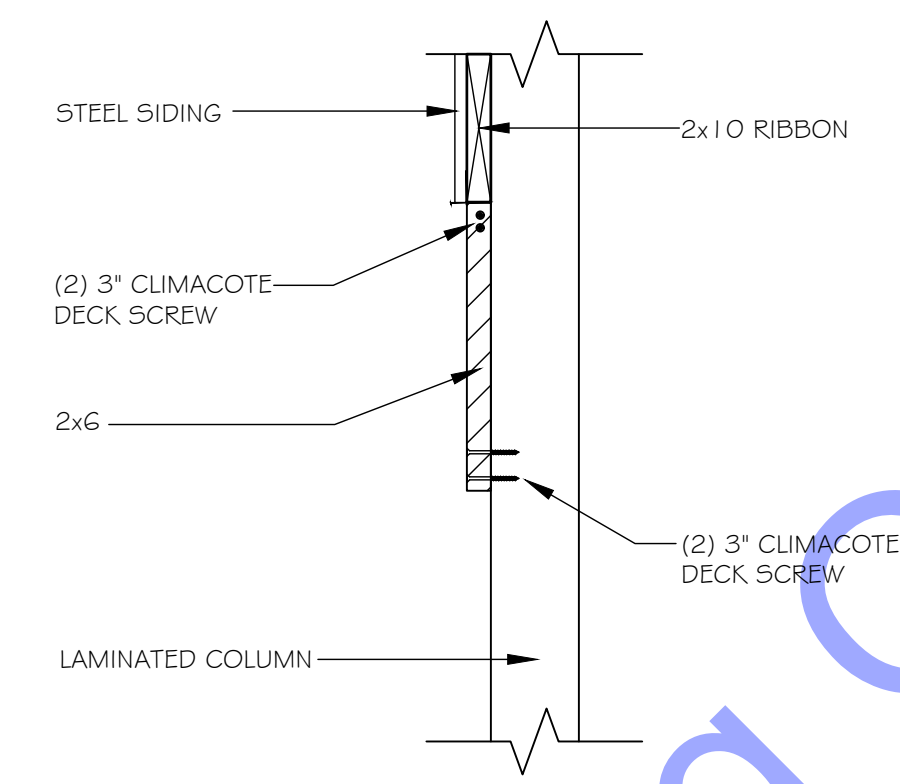
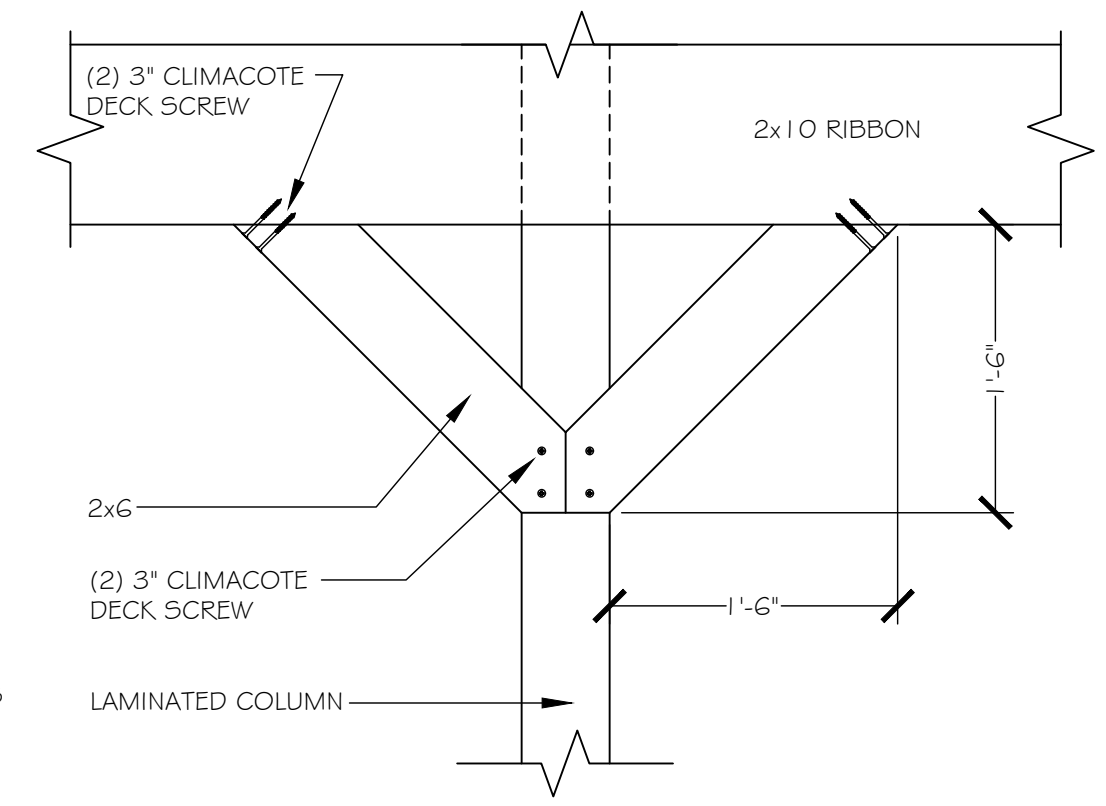
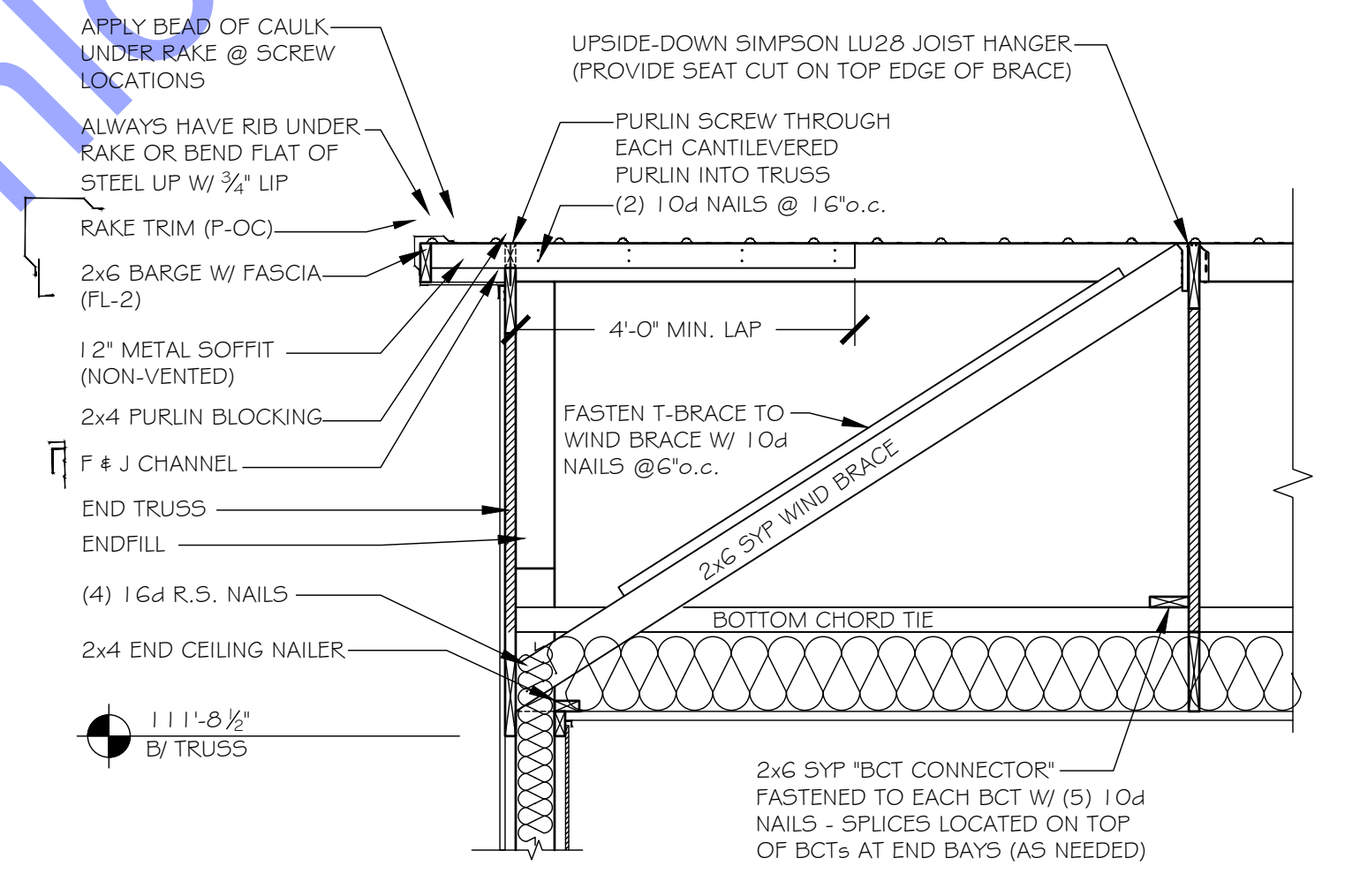
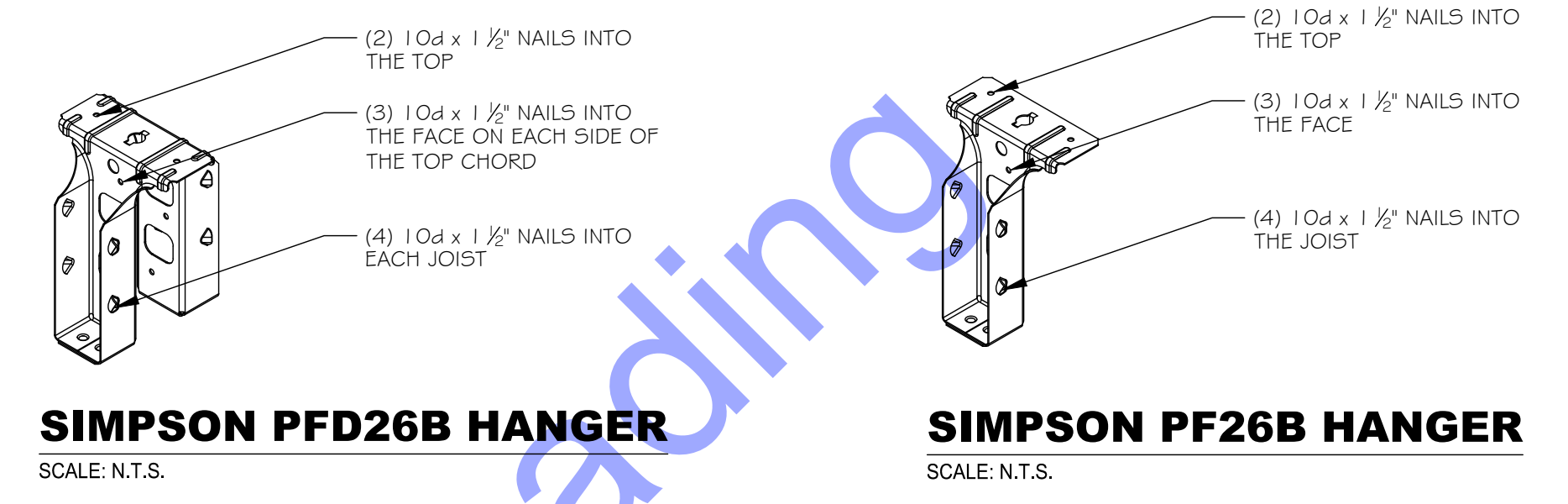
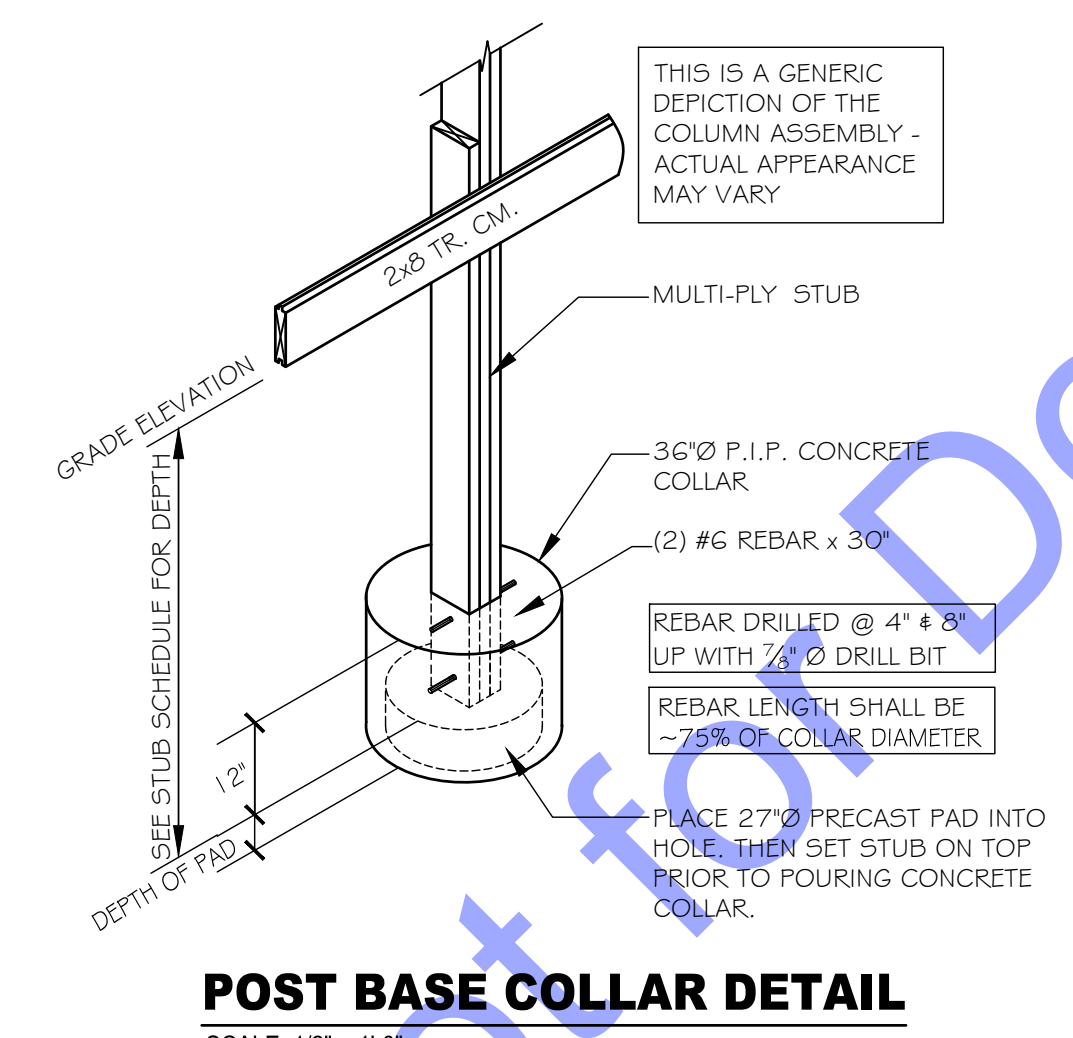
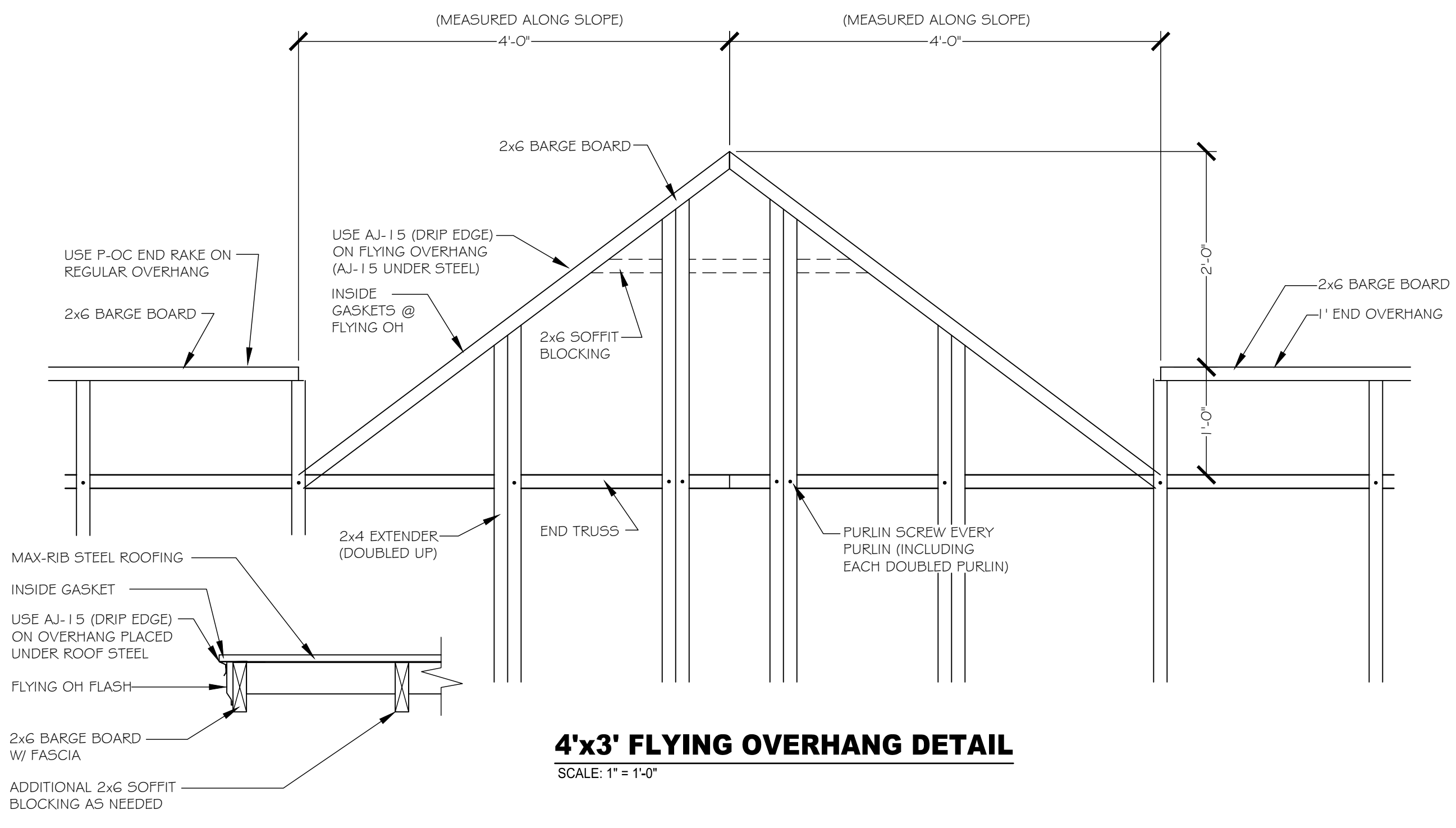
SEAL
 JOSHUA STRAIN
 REGISTERED
 No. 12400239
 STATE OF INDIANA
 PROFESSIONAL ENGINEER
Joshua Strain

City of Rensselaer
 City Parking Lot
 Rensselaer, IN 47978
 SHEET TITLE:
 BUILDING ELEVATIONS

FBI Buildings
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DRAWN BY:	Samuel Z.
MTO BY:	XX
ENG. BY:	John S.
PSC:	Jimmy T.
SHEET:	400
FBI PROJECT #:	20-3071-00

FINISH GRADE ELEVATION AT BUILDING PERIMETER TO BE BELOW STEEL SIDING DRIP CAP AND ABOVE THE BOTTOM OF THE PRIMARY GRADE BOARD.



NO.	DATE	BY	DESCRIPTION
1	2024-01-16	Samuel Z.	Approval Set for: Door Location Change
2	2024-04-22	Samuel Z.	Approval Set for: Door Location Change



City of Rensselaer
City Parking Lot
Rensselaer, IN 47978

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SHEET TITLE:
WALL SECTION DETAILS

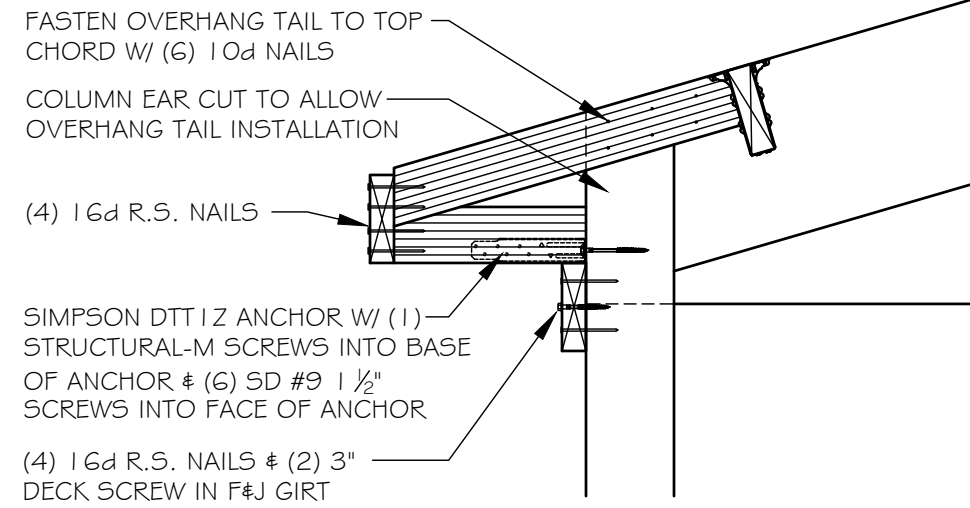
600

DRAWN BY: Samuel Z.
MTO BY: XX
ENG. BY: Josh S.
PSC: Jimmy T.

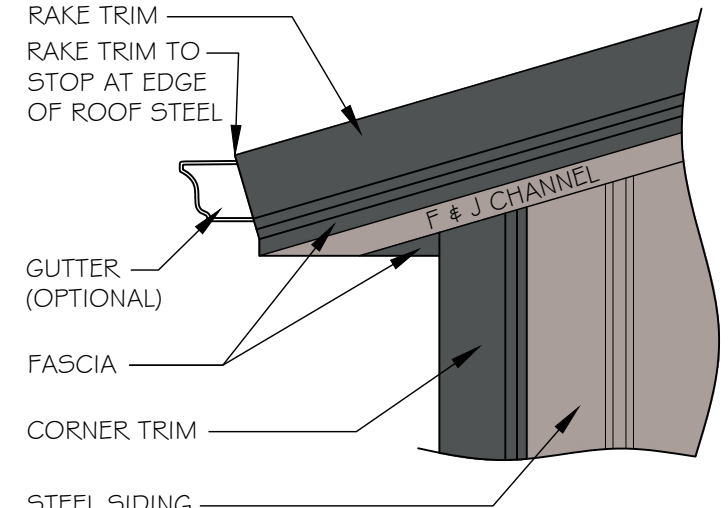
SHEET: 600

93-3017-03

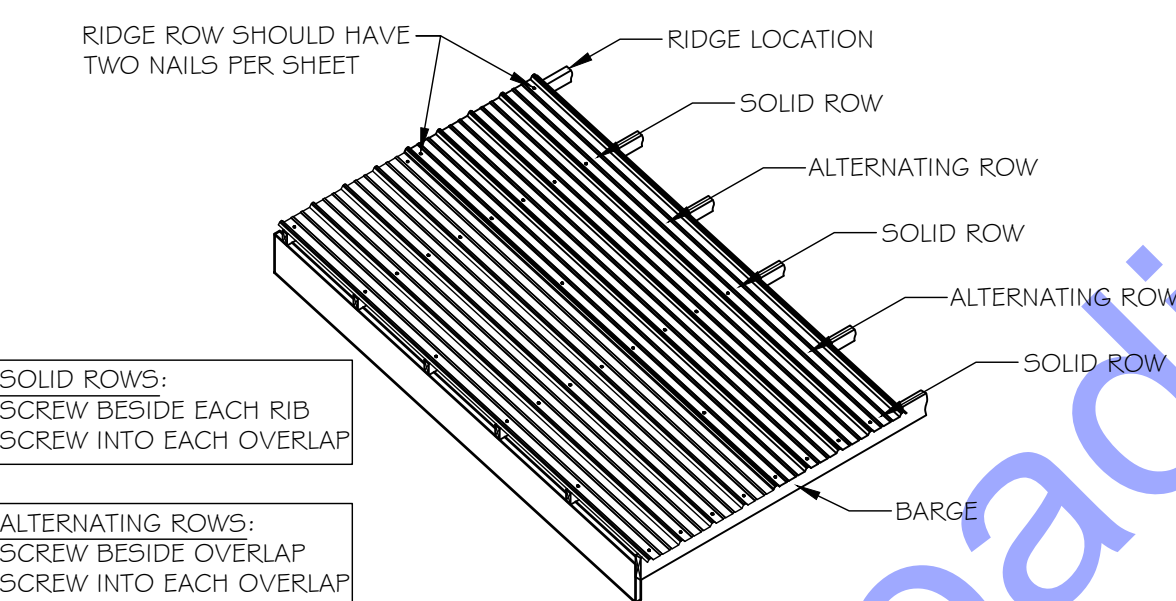
THIS IS A GENERIC DETAIL TO SHOW OVERHANG FASTENERS. ACTUAL OVERHANG CONSTRUCTION MAY VARY FROM THIS DETAIL.



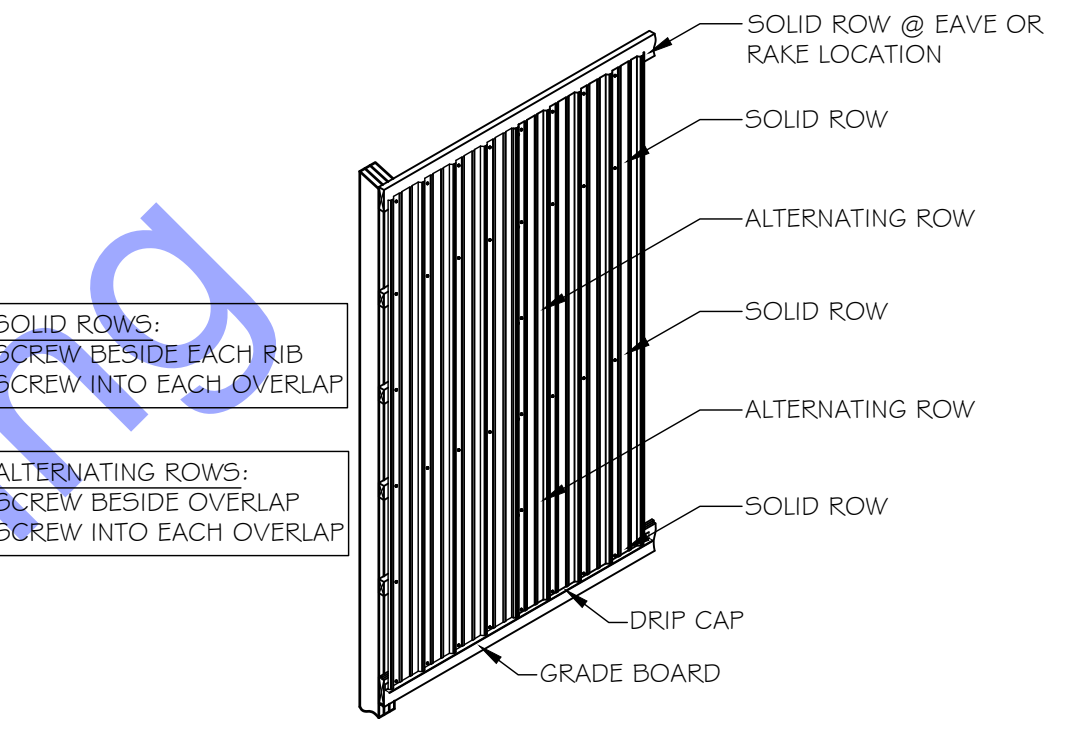
12" OVERHANG CONNECTION
SCALE: 1" = 1'-0"



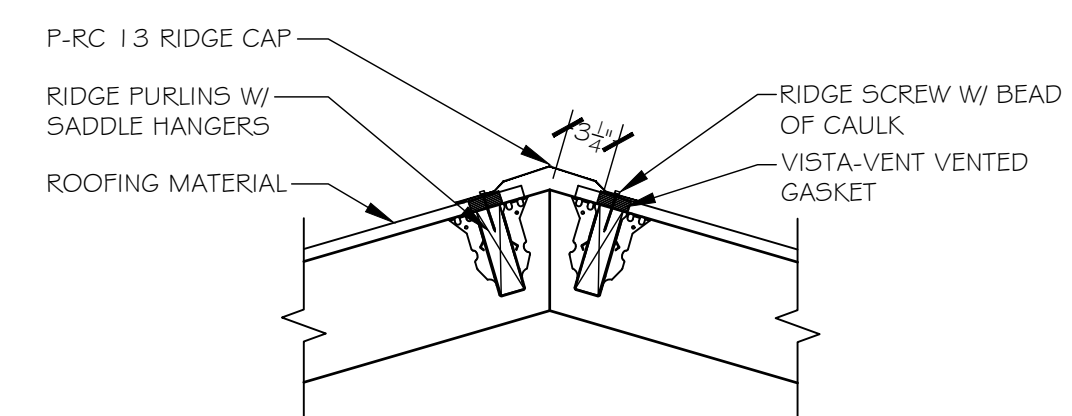
RAKE FINISH DETAIL
SCALE: 1" = 1'-0"



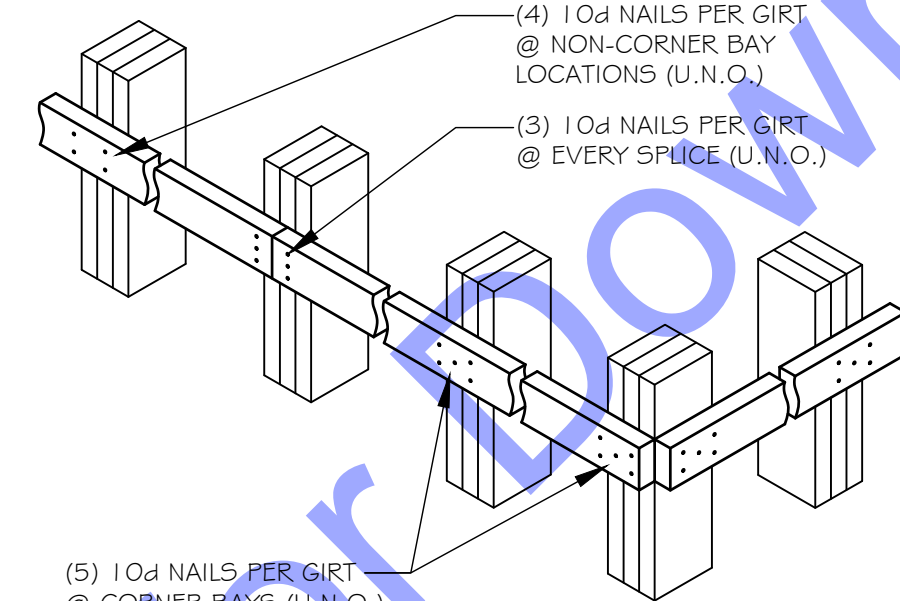
ALTERNATING SCREW PATTERN (ROOF)
SCALE: 1/4" = 1'-0"



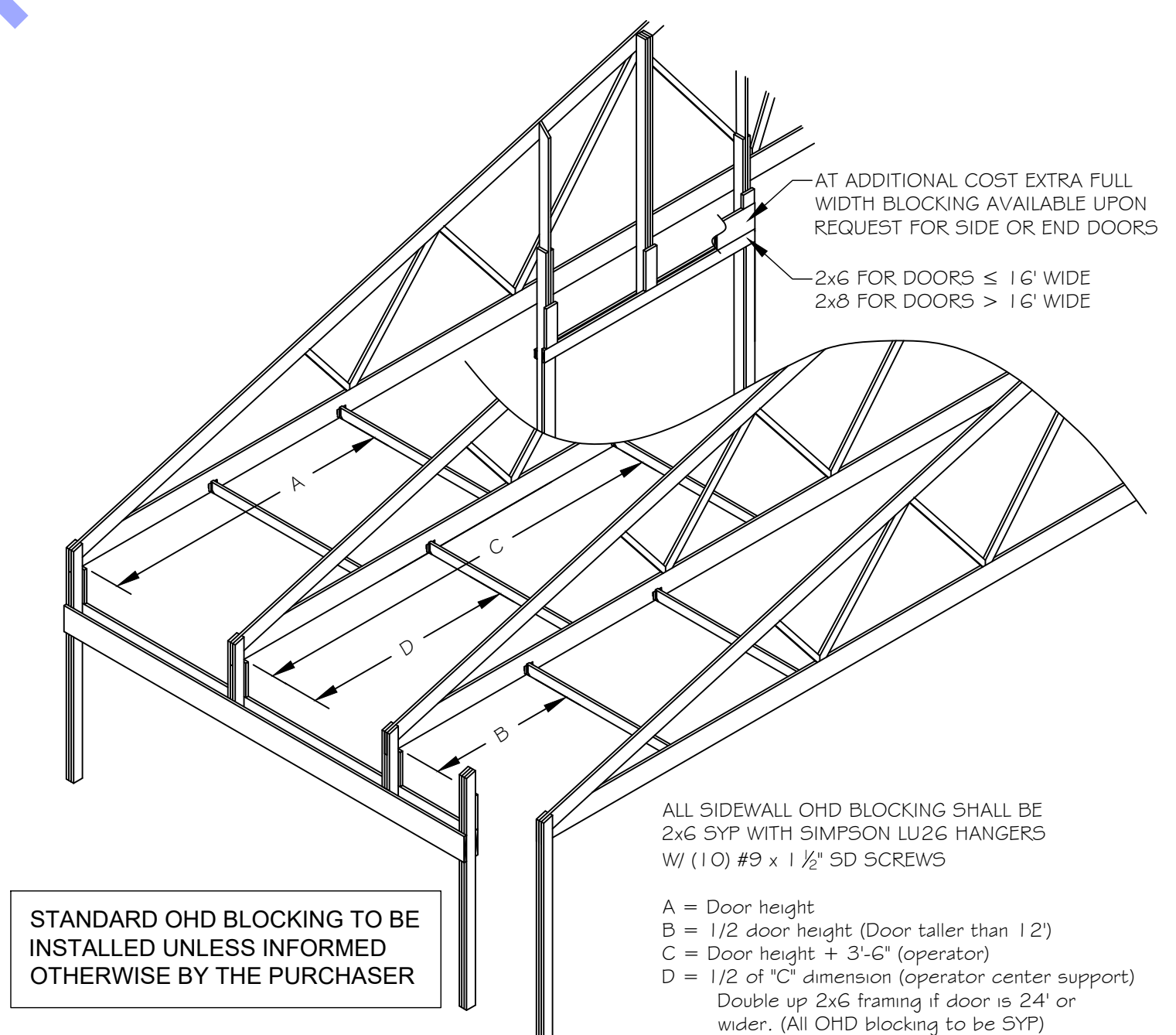
ALTERNATING SCREW PATTERN (WALL)
SCALE: 1/4" = 1'-0"



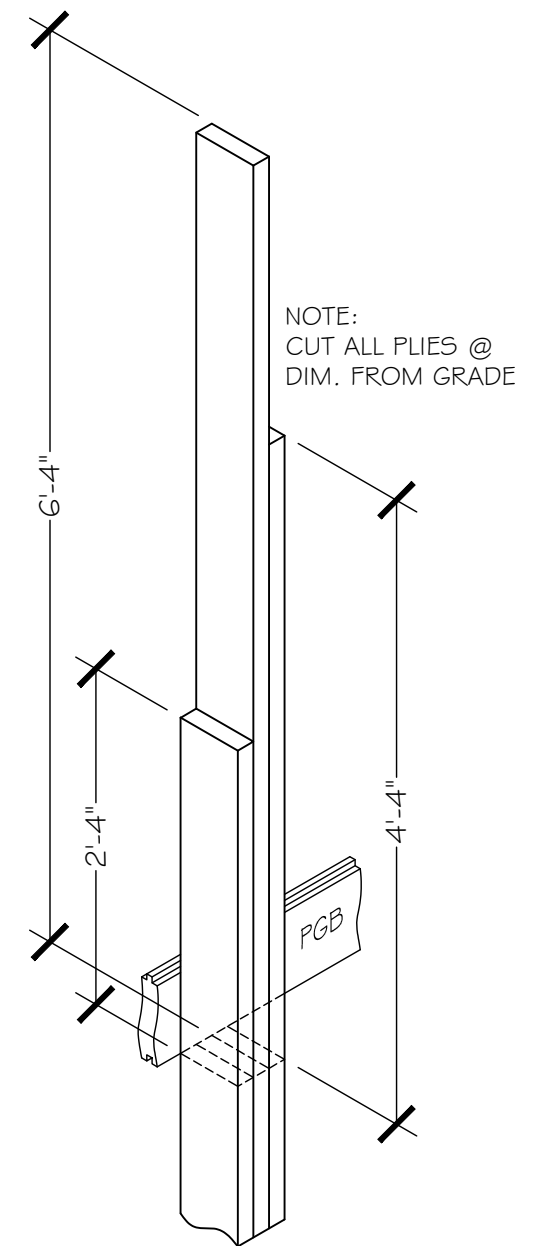
STEEL RIDGE DETAIL
SCALE: 1" = 1'-0"



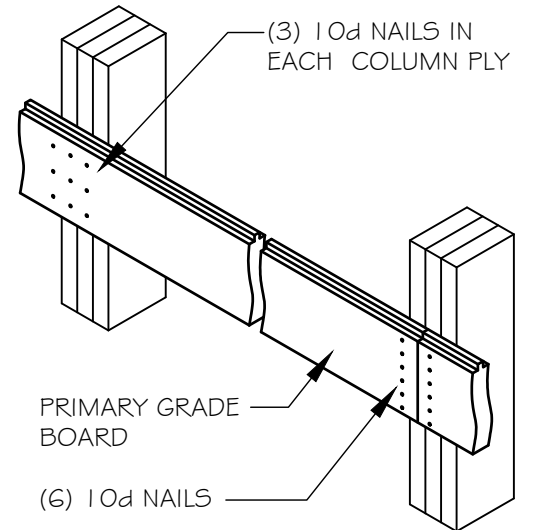
GIRT CONNECTIONS
SCALE: 3/4" = 1'-0"



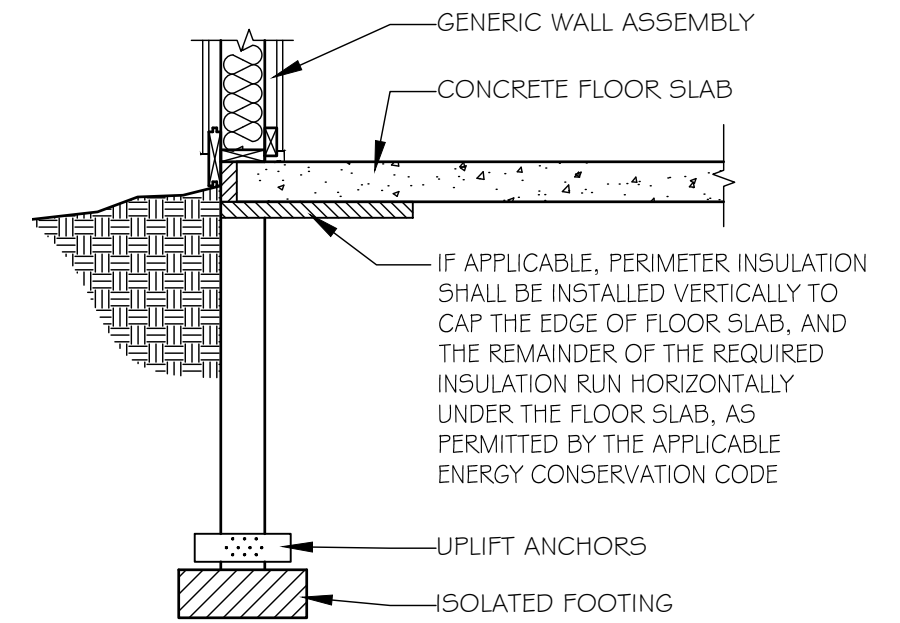
TYPICAL OHD BLOCKING DETAIL (TYPICAL 24" HEADROOM TRACK ONLY)
SCALE: NTS



TREATED STUB CUTTING DETAIL
SCALE: 3/4" = 1'-0"

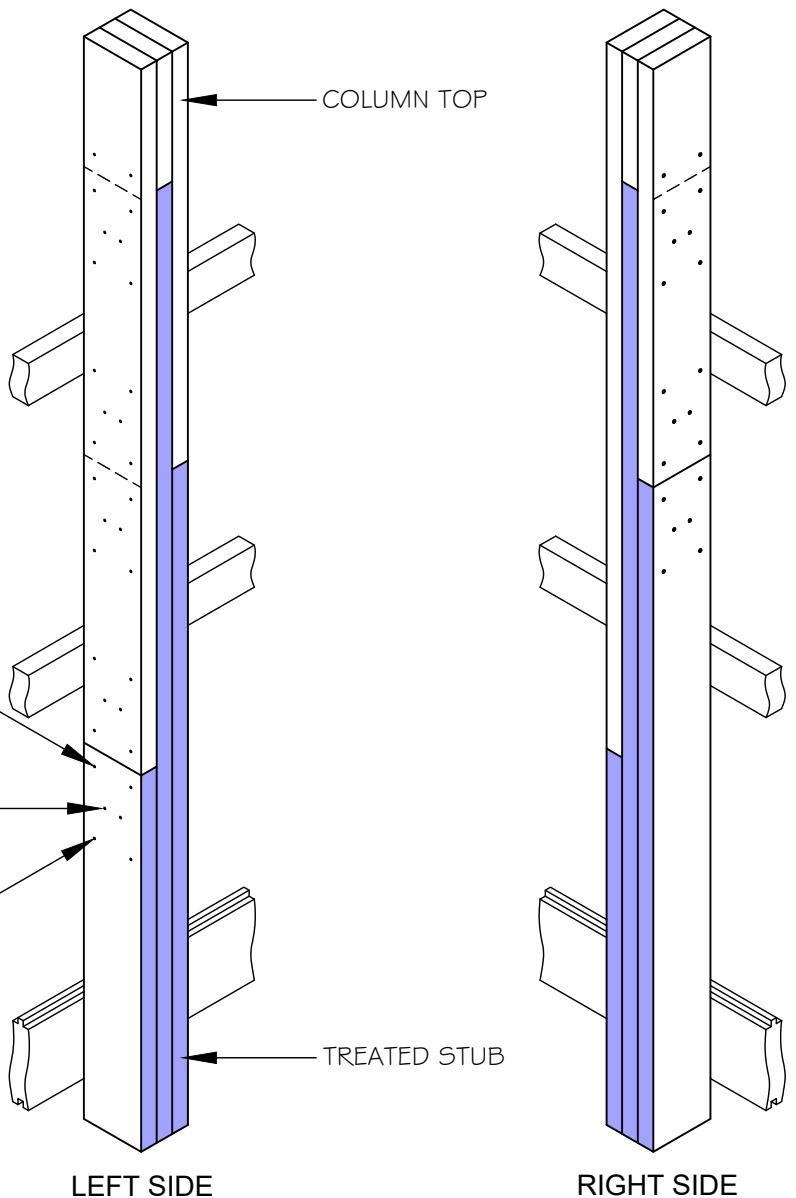


PRIMARY GRADE BOARD CONNECTION
SCALE: 3/4" = 1'-0"

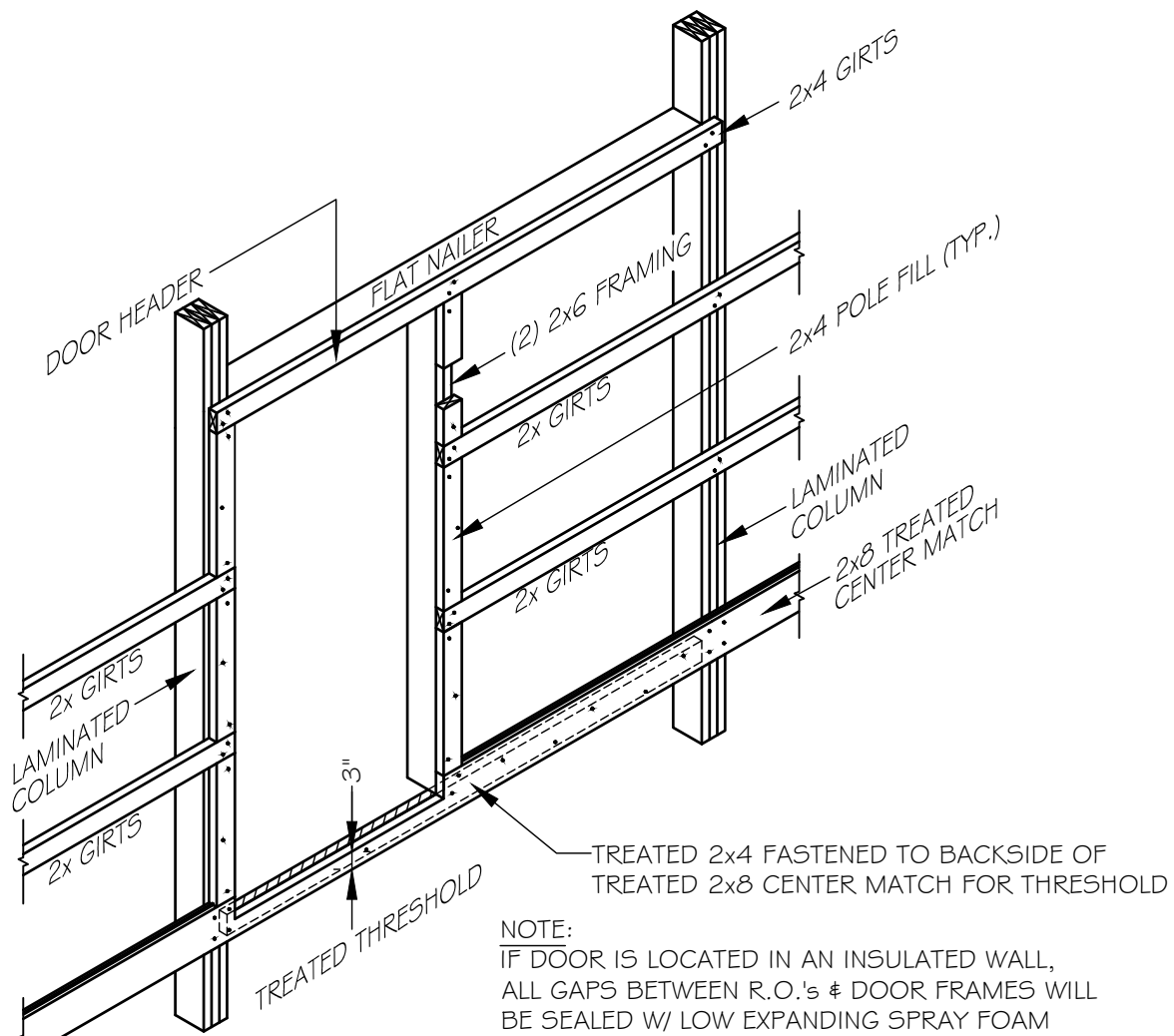


RECOMMENDED PERIMETER FOUNDATION INSULATION (IF APPLICABLE)
SCALE: 1/2" = 1'-0"

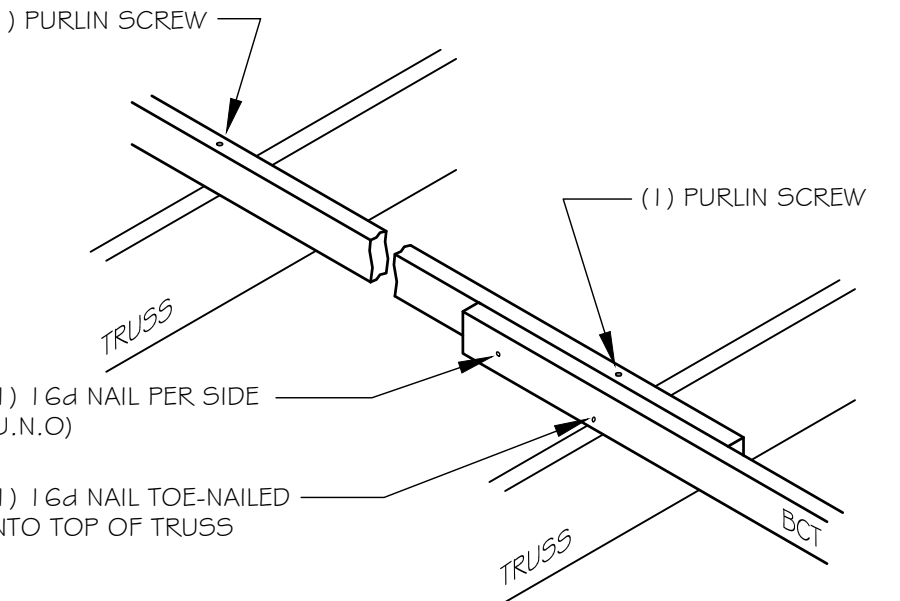
- COLUMN SPLICE NAILING REQUIREMENTS:**
- 1" (MIN) EDGE DISTANCE REQUIRED FOR ALL NAIL LOCATIONS
 - 8" (MAX) DISTANCE TO FURTHEST NAILS FROM SPLICE IN EACH (6) NAIL CLUSTER
 - USE OF 3" GALVANIZED PNEUMATIC RING SHANK NAILS REQUIRED



COLUMN SPLICE NAILING DETAIL
SCALE: 3/4" = 1'-0"



WALK DOOR FRAME OUT DETAIL
SCALE: 3/8" = 1'-0"



BCT CONNECTION
SCALE: 3/4" = 1'-0"

NO.	DATE	BY	DESCRIPTION
1	2016-03-16	Samuel Z.	Approval Set for: C.O. J1011226
2	2016-04-22	Samuel Z.	Approval Set for: Door Location Change



City of Rensselaer
City Parking Lot
Rensselaer, IN 47978

SHEET TITLE: MISC DETAIL

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DRAWN BY:	Samuel Z.
MTO BY:	XX
ENG. BY:	Josh S.
PSC:	Jimmy T.
SHEET:	650
FBI PROJECT #:	28-307-00

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FARMER'S MARKET PAVILION

112 W. RUTSEN STREET
RENSSELAER, INDIANA 47978

APPLICABLE CODES

BUILDING CODE	INDIANA BUILDING CODE, 2014 EDITION (IBC, 2012 EDITION, 1st PRINTING) ANS I A117.1-2009
ACCESSIBILITY CODE	INDIANA BUILDING CODE CHAPTER 11: ACCESSIBILITY (2010 ADA GUIDELINES WITH ANS I A117.1-2009)
PLUMBING CODE	INDIANA PLUMBING CODE, 2012 EDITION (IPC, 2006 EDITION)
ELECTRICAL CODE	INDIANA ELECTRICAL CODE, 2009 EDITION (NFPA 70-2008)
MECHANICAL CODE	INDIANA MECHANICAL CODE, 2014 EDITION (IMC, 2012 EDITION, 1st PRINTING)
ENERGY CODE	INDIANA ENERGY CONSERVATION CODE 2010 (ASHRAE 90.1, 2007 EDITION, AS AMENDED)
FUEL GAS CODE	INDIANA FUEL GAS CODE 2014 EDITION (IFGC, 2012 EDITION, 2ND PRINTING)
FIRE CODE	INDIANA FIRE CODE, 2014 ADDITION (IFC 2012 EDITION, 1ST PRINTING)

PROJECT DESCRIPTION

- NEW CONSTRUCTION: 1-STORY WOOD-FRAMED BUILDING
- BUILDING USE: OUTDOOR PAVILION WITH PUBLIC RESTROOMS

PROJECT TEAM

CIVIL ENGINEER COMMONWEALTH ENGINEERS, INC. RYAN LAREAU PROJECT MANAGER 7256 COMPANY DRIVE INDIANAPOLIS, INDIANA 46237 (219) 900-9102	ARCHITECT ROHN ASSOCIATES ARCHITECTS & PLANNERS LLC THEODORE ROHN - ARCHITECT OF RECORD 13177 RHODE STREET CEDAR LAKE, INDIANA 46303 (708) 906-4670	MEP ENGINEER NOVA ENGINEERING, PC JEFF SHERLUND - PROFESSIONAL ENGINEER 2338 CLINE AVENUE SCHERERVILLE, INDIANA 46375 (219) 865-3352
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BUILDING DATA

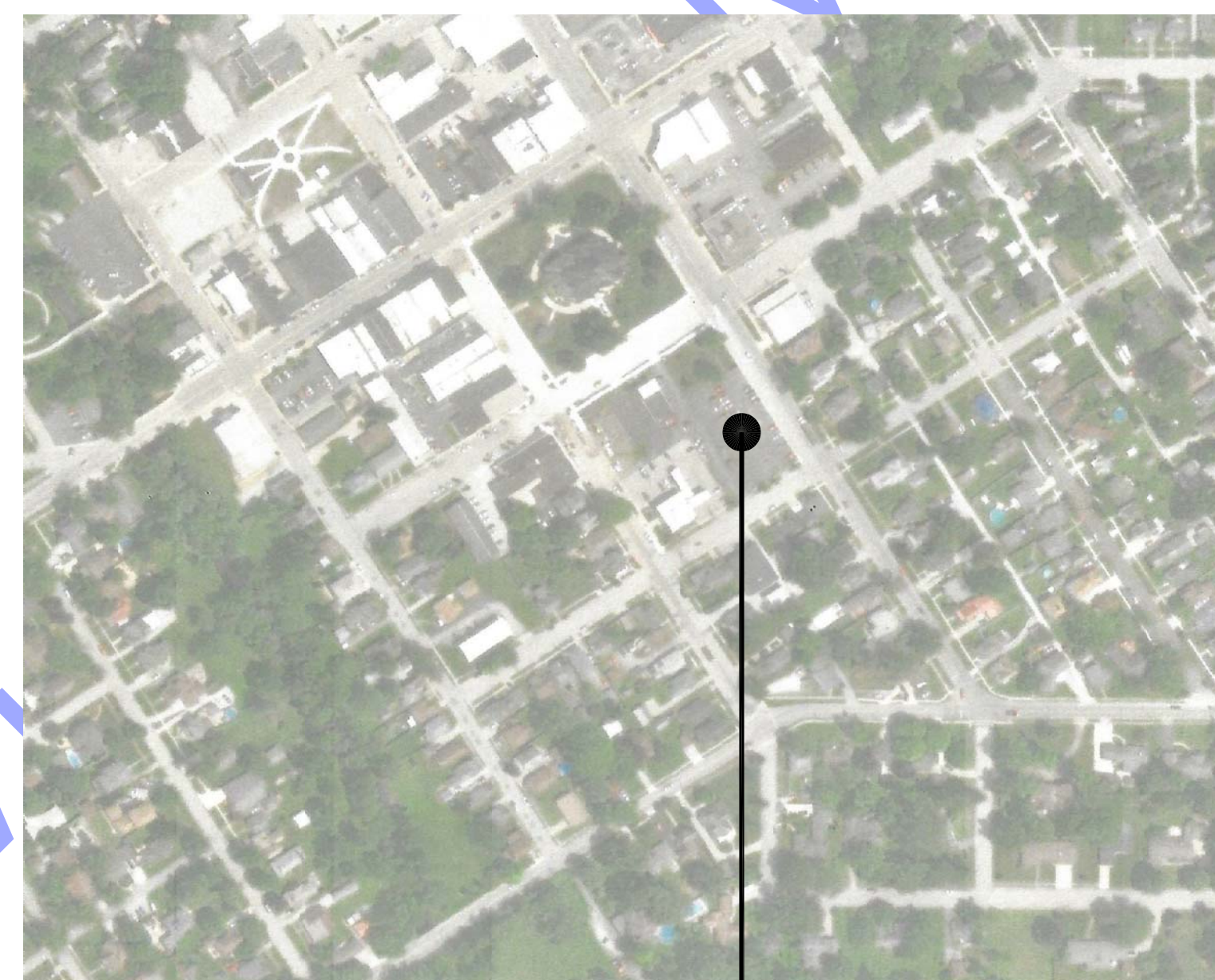
GROUP U UTILITY & MISC. GROUP	OCCUPANCY CLASSIFICATION (SECTION 312, IBC)
V-B	CONSTRUCTION TYPE (SECTION 602.5, IBC)
5,500 S.F.	MAX. ALLOWABLE FLOOR AREA 5,500 SQ. FT. PER FLOOR (TABLE 503, IBC)
4,125 S.F.	ALLOWABLE AREA FRONTAGE INCREASE 9,375 S.F. PER FLOOR (SECTION 506.2, IBC)
N/A	ALLOWABLE AREA SPRINKLER SYSTEM INCREASE -300% (SEC. 506.3, IBC)
4,125 S.F.	TOTAL ALLOWABLE AREA INCREASE (SECTION 506.1, IBC)
9,625 S.F.	ACTUAL TOTAL GROSS BUILDING AREA
9,504 SQ. FT.	ACTUAL TOTAL BUILDING AREA
40' 1-STORY	MAX. ALLOWABLE BUILDING HEIGHT (TABLE 503, IBC)
22'-10" 1-STORY	ACTUAL BUILDING HEIGHT (TO TOP OF SHINGLED ROOF)
14 PEOPLE	TENANT OCCUPANT LOAD (TABLE 1004.1.2, IBC):
	INDOOR SPACES
	MECHANICAL ROOM 62 SQ. FT. + 300 = 1
	STORAGE 498 SQ. FT. + 200 = 3
	RESTROOMS = 10

FIRE-RESISTANT RATING REQUIREMENTS

STRUCTURAL FRAME: (Including Columns, Girders & Trusses)	0 HOUR
BEARING WALLS: Exterior	0 HOUR
Interior	0 HOUR
DEMISING WALLS: Interior	0 HOUR
FLOOR CONSTRUCTION: (Including Supporting Beams & Joists)	0 HOUR
ROOF CONSTRUCTION: (Including Supporting Beams & Joists)	0 HOUR

GENERAL NOTES

- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS SHOWN ON DRAWINGS AT JOB SITE, AND IS TO NOTIFY ARCHITECT OF ANY DISCREPANCIES, OMISSIONS AND OR CONFLICTS PRIOR TO PROCEEDING WITH WORK.
- ALL WORK SHALL CONFORM TO LATEST EDITION OF "CITY OF RENSSELAER" BUILDING CODES.
- DO NOT SCALE DRAWINGS.
- CONTRACTOR TO LAY OUT EQUIPMENT AND ELECTRICAL OUTLET LOCATIONS AND REVIEW WITH OWNER AND ARCHITECT PRIOR TO FINAL INSTALLATION.
- PROVIDE WOOD BLOCKING IN WALLS AS REQUIRED FOR INSTALLATION OF MILLWORK, FIXTURES, GRAB BARS AND SHELVING AS NECESSARY AND / OR REQUIRED, ALL WOOD BLOCKING SHALL BE FIRE TREATED WHERE REQUIRED.
- VERIFY EXACT LOCATION OF WOOD BLOCKING WITH OWNER PRIOR TO INSTALLATION.
- ALL SUBFLOORS ARE TO BE SMOOTH AND LEVEL, AND MADE READY TO RECEIVE NEW FINISHED FLOORING.
- THE SCOPE OF ARCHITECTURAL MILLWORK IS INDICATED ON THE DRAWINGS, INCLUDING MISCELLANEOUS WOOD TRIM, BASE AND CASINGS (WHERE APPLICABLE).
- HS ON PLANS INDICATES HANDICAPPED ACCESSIBLE SIGNAGE LOCATIONS
 - SIGNS TO COMPLY WITH INTERNATIONAL ACCESSIBILITY CODE AND ADA REQUIREMENTS
 - SIGNS TO BE PLACED ON LATCH SIDE OF DOOR AND MOUNTED 4'-6" TO 5'-0" A.F.F.
 - ROOM IDENTIFICATION AND NUMBERS SHALL HAVE TACTILE CHARACTERS
- THE MINIMUM WIDTH OF ALL AISLES IN PUBLIC AREAS TO BE 36" (MEASURED 19" AWAY FROM EDGE OF A TABLE OR COUNTERTOP).
- ALL INTERIOR WALL & CEILING FINISHES IN EXIT ACCESS CORRIDORS AND OTHER EXITWAYS SHALL BE NO LESS THAN CLASS B MATERIALS WITH FLAME SPREAD 26-75; SMOKE DEVELOPED 0-450. (IBC TABLE 803.5-UNSPRINKLERED BUILDING)
- ALL INTERIOR WALL & CEILING FINISHES IN EXIT PASSAGEWAYS SHALL BE NO LESS THAN CLASS B MATERIALS WITH FLAME SPREAD 26-75; SMOKE DEVELOPED 0-450. (IBC TABLE 803.9-SPRINKLERED BUILDING)
- ALL INTERIOR FINISHES IN REMAINING SPACES SHALL BE CLASS C MATERIALS WITH FLAME SPREAD 76-200; SMOKE DEVELOPED 0-450. (IBC TABLE 803.5-UNSPRINKLERED BUILDING)
- THE SMOKE-DEVELOPED RATING FOR THE INTERIOR WALL AND CEILING FINISH MATERIALS MUST BE 450 OR LESS WHEN TESTED IN ACCORDANCE WITH ASTM E84.
- INTERIOR FLOOR FINISHES IN VERTICAL EXITS, EXIT PASSAGEWAYS AND EXIT ACCESS CORRIDORS SHALL NOT BE LESS THAN CLASS II (MINIMUM CRITICAL RADIANT FLUX 0.22 WATTS / SQ. CM OR GREATER). IN ALL OTHER AREAS, INTERIOR FLOOR FINISHES SHALL HAVE A FINISH CLASSIFICATION OF DOC FF-1 (INCLUDING CARPET) "PILLTEST" CPSC 16 CFR, PART 1630.
- CONCEALED BATT AND BLANKET INSULATION TO BE INSTALLED IN THE WALLS IS TO HAVE A FLAME SPREAD RATING OF 75 OR LESS AND A SMOKE DEVELOPED RATING OF 450 OR LESS WHEN TESTED IN ACCORDANCE WITH ASTM E84.
- MATERIAL USED AS INTERIOR TRIM SHALL HAVE A MINIMUM CLASS C FLAME SPREAD INDEX AND SMOKE DEVELOPED INDEX.
- ALL NON-CARPETED WALKING SURFACES, INCLUDING CORRIDORS, STAIR LANDINGS AND ALL OTHER LINES OF MEANS OF EGRESS SHALL HAVE A SLIP-RESISTANT SURFACE.



PROJECT LOCATION

VICINITY MAP

NO SCALE



DRAWING INDEX

ARCHITECTURAL	
A0	TITLE SHEET
A1	OVERALL FLOOR PLAN
A2	FLOOR PLAN / REFLECTED CEILING PLAN
A3	ENLARGED FLOOR PLANS / INTERIOR ELEVATIONS
A4	ARCHITECTURAL SCHEDULES & DETAILS
A4	LIFE SAFETY PLAN
PRE-ENGINEERED BUILDING (STRUCTURAL)	
001	TITLE SHEET
100	CONCRETE PLAN
200	FLOOR PLAN
300	ROOF & ATTIC DETAILS
400	EXTERIOR ELEVATIONS
600	CROSS SECTIONS & DETAILS
650	MISC STANDARD DETAILS
MECHANICAL	
M-1.0	MECHANICAL FLOOR PLAN, SCHEDULES & SPECIFICATIONS
ELECTRICAL	
E-1.0	FLOOR PLAN - LIGHTING
E-2.0	FLOOR PLAN - POWER
E-3.0	ELECTRICAL SCHEDULES
PLUMBING	
P-1.0	PLUMBING FLOOR PLAN & DIAGRAMS
P-2.0	PLUMBING SCHEDULES

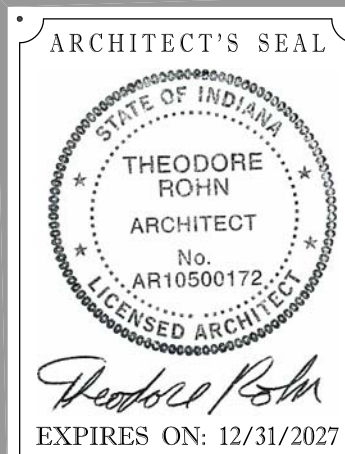
FARMER'S MARKET PAVILION

112 W. RUTSEN STREET
RENSSELAER, INDIANA
47978

ROHN ASSOCIATES
ARCHITECTS & PLANNERS

13177 RHODE STREET
CEDAR LAKE, IN 46303
PHONE: (708) 906-4670

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ISSUE FOR:

4/20/26 REVIEW
4/21/26 BID / PERMIT

TITLE SHEET

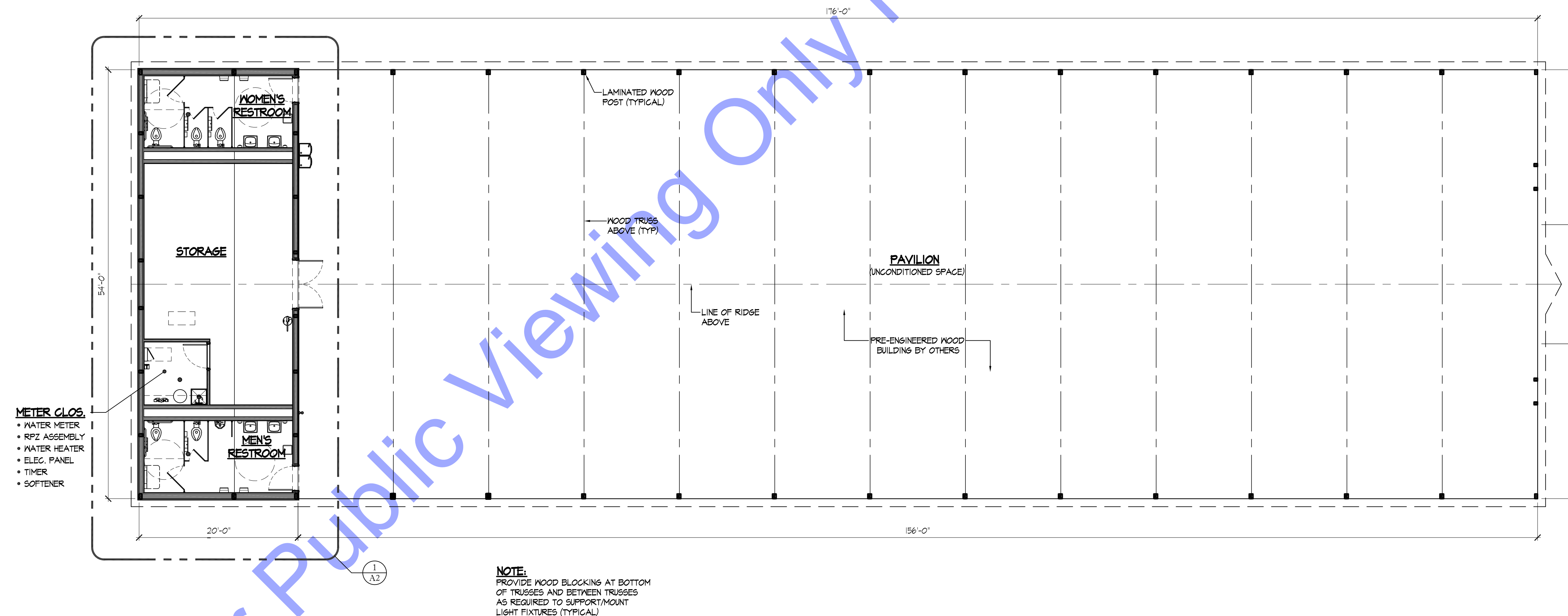
SCALE: AS NOTED
PROJECT NO.: 26-883

A0

DATE OF ISSUE: 4 / 27 / 2026
ISSUE FOR BID / PERMIT

WALL TYPE LEGEND	
EXTERIOR WALL:	INTERIOR FRAME WALL:
<ul style="list-style-type: none"> - LAMINATED COLUMN - 2X4 GIRTS - FRP SIDING (INSIDE) - STEEL SIDING (OUTSIDE) - R-25 BATT INSULATION - REFER TO FBI BUILDINGS DRAWINGS 	<ul style="list-style-type: none"> - 2X4 OR 2X6 WOOD STUDS @ 16" O.C. - WALL BRACING ABOVE CEILING - TREATED SILL PLATE - 5/8" MOISTURE RESISTANT DRYWALL (MOLD BOTTOM OF DRYWALL 1/2' ABOVE CONCRETE SLAB) - FRP PANELS & BASE - PROVIDE SOUND ATTENUATION BATTS AS NOTED BELOW - REFER TO FBI BUILDINGS DRAWINGS

SOUND ATTENUATION NOTES:
 1. PROVIDE SOUND ATTENUATION BATT INSULATION AT THE FOLLOWING ROOM TYPES:
 - RESTROOMS



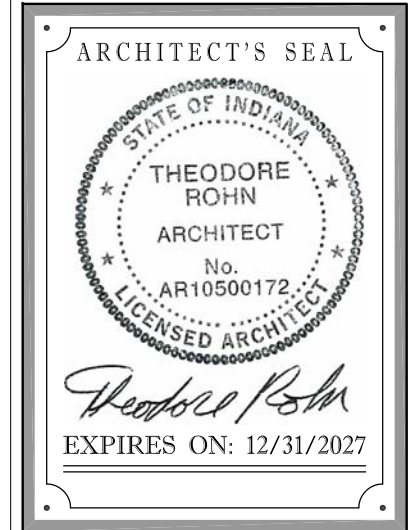
OVERALL FLOOR PLAN

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

FARMER'S MARKET PAVILION
 112 W. RUTSEN STREET
 RENSSELAER, INDIANA
 47978

ROHN ASSOCIATES
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OVERALL FLOOR PLAN
 SCALE: AS NOTED
 PROJECT NO.: 26-883

A1

- ### GENERAL FRAMING NOTES
- ALL DIMENSIONS ARE TO FINISH (U.O.N.)
 - ALL ANGLED WALLS @ 45° U.O.N.
1. ALL TRADES SHALL COMPLY WITH OSHA STANDARDS.
 2. ALL TRADES SHALL CONFORM TO CURRENT EXISTING CODES APPLYING TO THIS PROJECT.
 3. CARPENTERS TO VERIFY ALL DIMENSIONS & CONDITIONS BEFORE EXECUTING ANY WORK. REPORT ANY DISCREPANCIES AT ONCE. DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS ONLY.
 4. ALL FRAMING SHALL MEET APPLICABLE LOADS & SPANS, INCLUDING FINISH FLOORING.
 5. ENGINEERED LUMBER SHALL NOT BE CUT, DRILLED OR NOTCHED UNLESS SPECIFICALLY INCLUDED IN THE DESIGN.
 6. FILL CAVITIES BETWEEN FLOORS & BETWEEN OTHER FIRE SEPARATED ZONES WITH APPROVED FIRE STOPPING MATERIALS.
 7. PROVIDE BLOCKING FOR WALL-MOUNTED ACCESSORIES & FIXTURES AS REQUIRED. MOUNT ALL ACCESSORIES & FIXTURES ACCORDING TO MFR'S SPECIFICATIONS & PER ADA REQUIREMENTS.

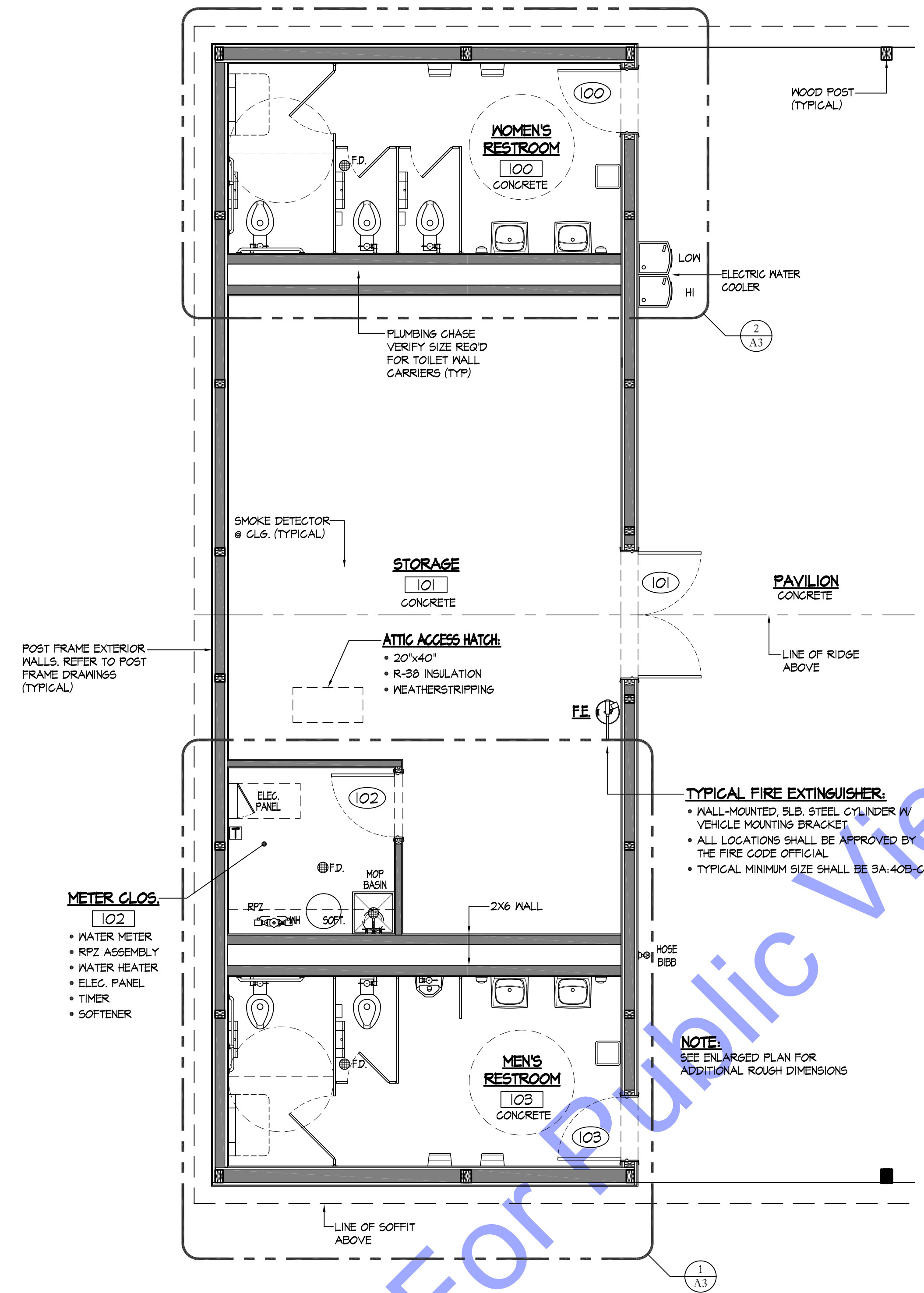
HVAC LEGEND

	SUPPLY AIR DIFFUSER
	SUPPLY AIR DIFFUSER
	RETURN AIR GRILLE
	CEILING EXHAUST FAN
	HVAC THERMOSTAT

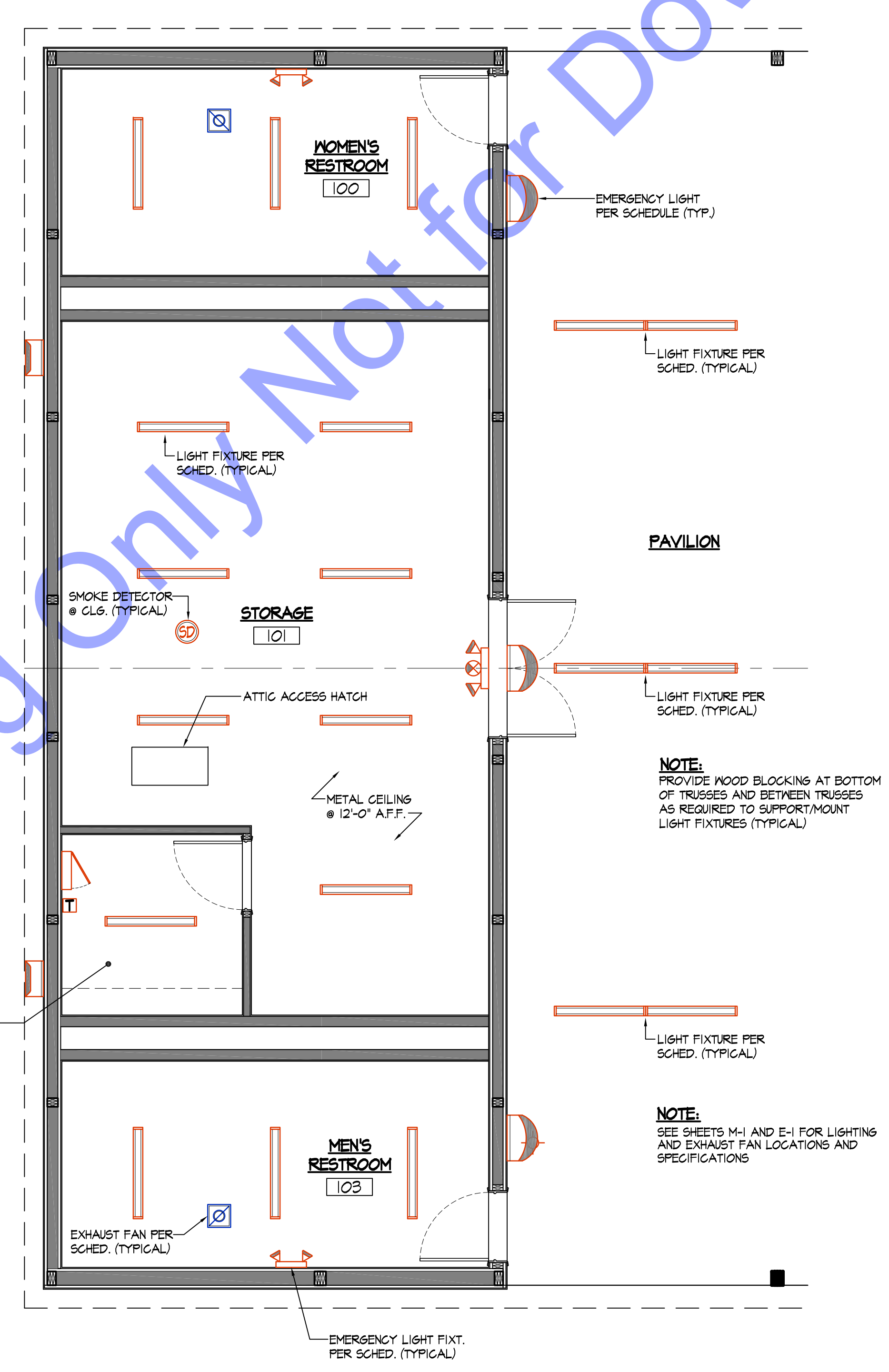
NOTE:
SEE MECHANICAL DWGS. FOR SPECIFICATIONS.

- ### GENERAL MECHANICAL NOTES
1. SEE MECHANICAL DRAWINGS FOR NEW HVAC UNIT LOCATIONS.
 2. PENETRATIONS INTO OR THROUGH FIRE SEPARATION WALLS SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 712.3, IBC (615 IAC 13-3.5) AS FOLLOWS:
 - WHERE THE PENETRATING ITEMS ARE STEEL, FERROUS OR COPPER PIPES, TUBES OR CONDUITS, THE ANNULAR SPACE BETWEEN THE PENETRATING ITEM & THE FIRE-RESISTANCE RATED WALL SHALL BE FILLED WITH MATERIAL WHICH GASES SUFFICIENT TO IGNITE COTTON WASTE WHEN SUBJECTED TO ASTM E 119 TIME TEMPERATURE FIRE CONDITIONS UNDER A MINIMUM POSITIVE PRESSURE DIFFERENTIAL OF 0.01 INCH (2.54 Pa) OF WATER AT THE LOCATION OF THE PENETRATION FOR THE TIME PERIOD EQUIVALENT TO THE PERIOD EQUIVALENT TO THE FIRE-RESISTANCE RATINGS OF THE CONSTRUCTION PENETRATION.
 - DUCT PENETRATIONS OF FIRE SEPARATION WALLS SHALL BE PROTECTED BY FIRE DAMPERS IN ACCORDANCE WITH SECTION 716.5.3, IBC (615 IAC 13-2.5)

- ### GENERAL ELECTRICAL NOTES
1. ALL ELECTRICAL WORK SHALL COMPLY TO N.E.C. SEC. 9-58.
 2. VERIFY EXISTING CONDITIONS IN FIELD PRIOR TO ANY WORK THAT IS TO BE EXECUTED.
 3. EXISTING ELECTRICAL PANELS, METERS & DISCONNECTS TO REMAIN.
 4. PROVIDE ALL GROUNDING IN ACCORDANCE WITH THE N.E.C.
 5. PROVIDE CIRCUIT BREAKER LOCK-OUTS.
 6. RECEPTACLE PLACEMENT SHALL COMPLY TO N.E.C.
 7. REUSE EXISTING ELECTRICAL OUTLET LOCATIONS TO THE EXTENT POSSIBLE.
 8. CONSULT WITH TENANT REGARDING EXISTING LOCATIONS PRIOR TO INSTALLATION OF NEW DEVICES.
 9. COORDINATE FINAL LOCATION OF ALL EQUIPMENT AND FUTURE STUBS WITH TENANT.
 10. ARC-FAULT CIRCUIT INTERRUPTER PROTECTION: ALL BRANCH CIRCUITS THAT SUPPLY 115 VOLT, SINGLE PHASE, 15 AND 20 AMPERE RECEPTACLE OUTLETS SHALL BE PROTECTED BY UL LISTED, ARC-FAULT CIRCUIT INTERRUPTER(S) TO PROVIDE PROTECTION OF THE ENTIRE BRANCH CIRCUIT.



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



PARTIAL REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"

ELECTRICAL & LIGHTING LEGEND

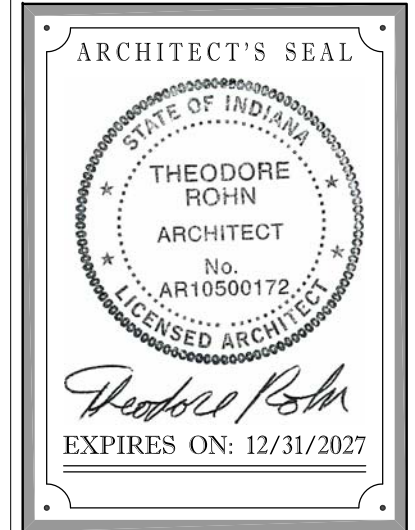
	SINGLE-POLE TOGGLE SWITCH
	THREE-POLE TOGGLE SWITCH
	DUPLEX RECEPTACLE @ 18" A.F.F. UNLESS OTHERWISE NOTED.
	DUPLEX RECEPTACLE (220V) @ 18" A.F.F. UNLESS OTHERWISE NOTED.
	DUPLEX RECEPTACLE, FLOOR RECESSED
	GROUND-FAULT INTERRUPT DUPLEX RECEPTACLE (G.F.I.)
	GROUND-FAULT INTERRUPT DUPLEX RECEPTACLE (G.F.I.) (WATER-PROOF)
	TELEPHONE OUTLET
	DATA OUTLET: CATEGORY 6 (CAT-6) NETWORK CABLE
	DATA OUTLET: COAX (CABLE / TELEVISION)
	CEILING-MOUNTED LIGHT FIXTURE
	CEILING-MOUNTED LIGHT FIXTURE: NIGHT LIGHT
	RECESSED "EYEBALL" LIGHT FIXTURE
	INTERIOR WALL-MOUNTED LIGHT FIXTURE
	WALL-MOUNTED VANITY LIGHT
	EXTERIOR WALL-MOUNTED LIGHT FIXTURE
	WALL-MOUNTED, OVER DOOR CLOSET LIGHT
	2'x2' LIGHT FIXTURE: 2-LAMP
	2'x2' LIGHT FIXTURE: NIGHT LIGHT
	2'x4' LIGHT FIXTURE: 2-LAMP
	2'x4' LIGHT FIXTURE: NIGHT LIGHT
	STRIP LIGHT FIXTURE: 2-LAMP
	NARROW STRIP LIGHT FIXTURE
	FIRE STROBE
	EMERGENCY LIGHT w/ BATTERY BACK-UP (DUAL LAMP)
	LIGHTED EXIT SIGN & EMERGENCY LIGHT COMBO w/ BATTERY BACK-UP
	LIGHTED EXIT SIGN w/ BATTERY BACK-UP
	EMERGENCY EGRESS LIGHT w/ BATTERY BACK-UP
	EXTERIOR WALL-MOUNTED SECURITY LIGHT ("WALL PACK")
	ELECTRICAL TIMER
	JUNCTION BOX
	CONDUIT RUN CONCEALED IN FLOOR / WALL / CEILING
	SMOKE DETECTOR
	SOUND SYSTEM / INTERCOM SPEAKER

- NOTES:**
1. ALL SMOKE DETECTORS SHALL BE DUAL VOLTAGE, WIRED IN SERIES. PRIMARY SOURCE SHALL BE THE BUILDING POWER & THE SECONDARY SOURCE SHALL BE A BATTERY BACKUP.
 2. REFER TO PLAN FOR FIXTURE TYPE USE. NOT ALL FIXTURES SHOWN IN LEGEND ARE USED.
 3. SEE LIGHTING FIXTURE SCHEDULE FOR SPECIFICATIONS.

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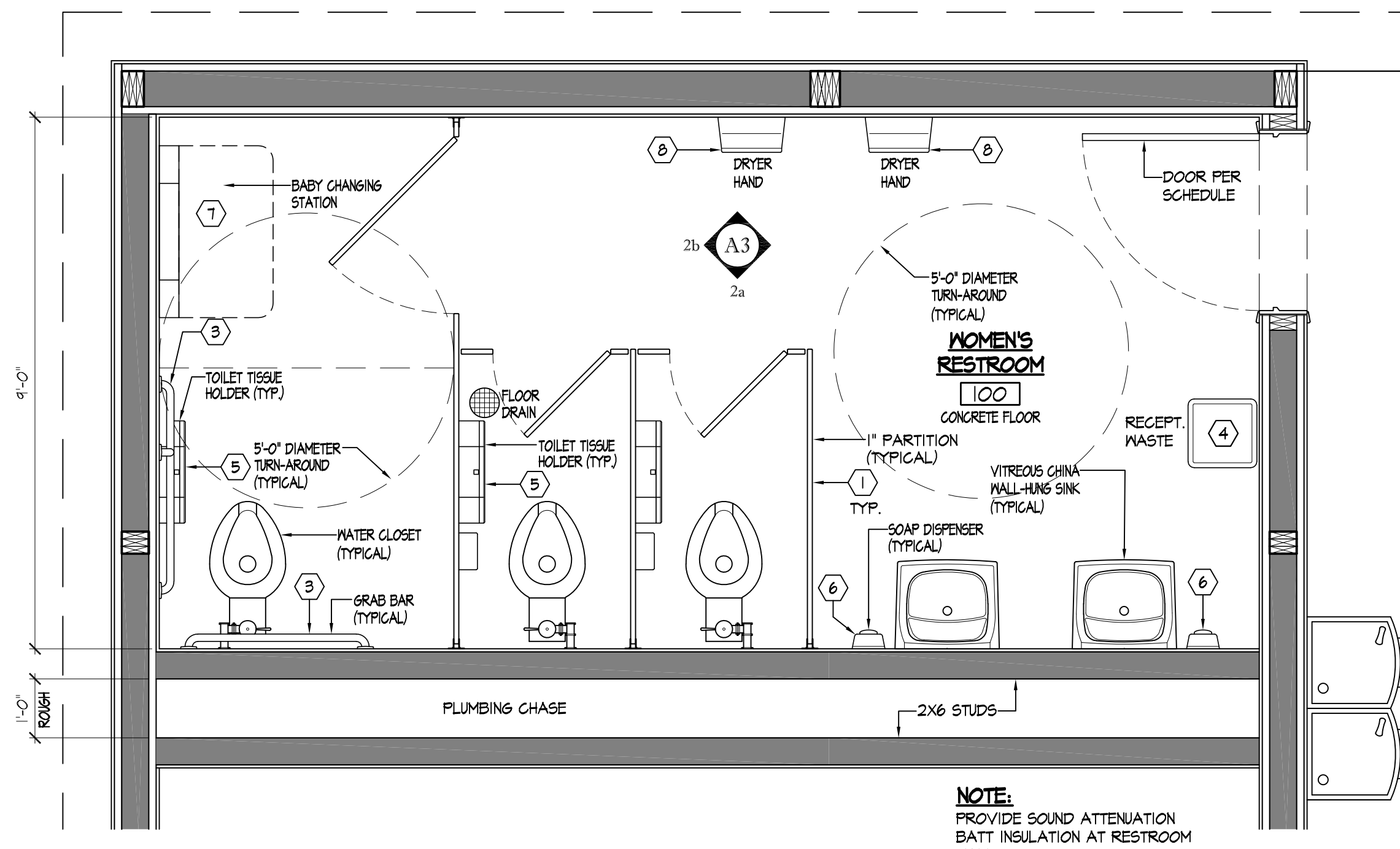


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FLOOR PLAN & REFLECTED CEIL'G. PLAN
SCALE: AS NOTED
PROJECT NO.: 26-883

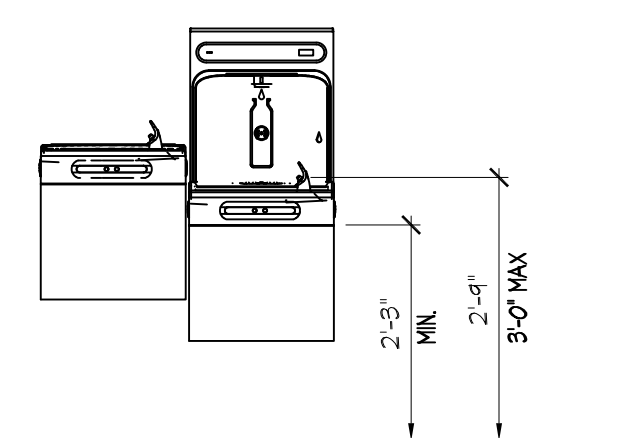
A2



- ### GENERAL NOTES
1. MOUNT ALL FIXTURES, ACCESSORIES & GRAB BARS ACCORDING TO MANUFACTURER'S SPECIFICATIONS & PER ADA REQUIREMENTS.
 2. ALL LAVATORY WATER SUPPLY & DRAIN PIPES ARE TO BE WRAPPED PER ADA REQUIREMENTS.
 3. REFER TO PLUMBING DRAWINGS FOR WASTEWATER DRAIN LOCATIONS & DIMENSIONS.
 4. **HS** ON PLANS INDICATES HANDICAPPED ACCESSIBLE SIGNAGE LOCATIONS (TYPICAL).

FIXTURE SCHEDULE

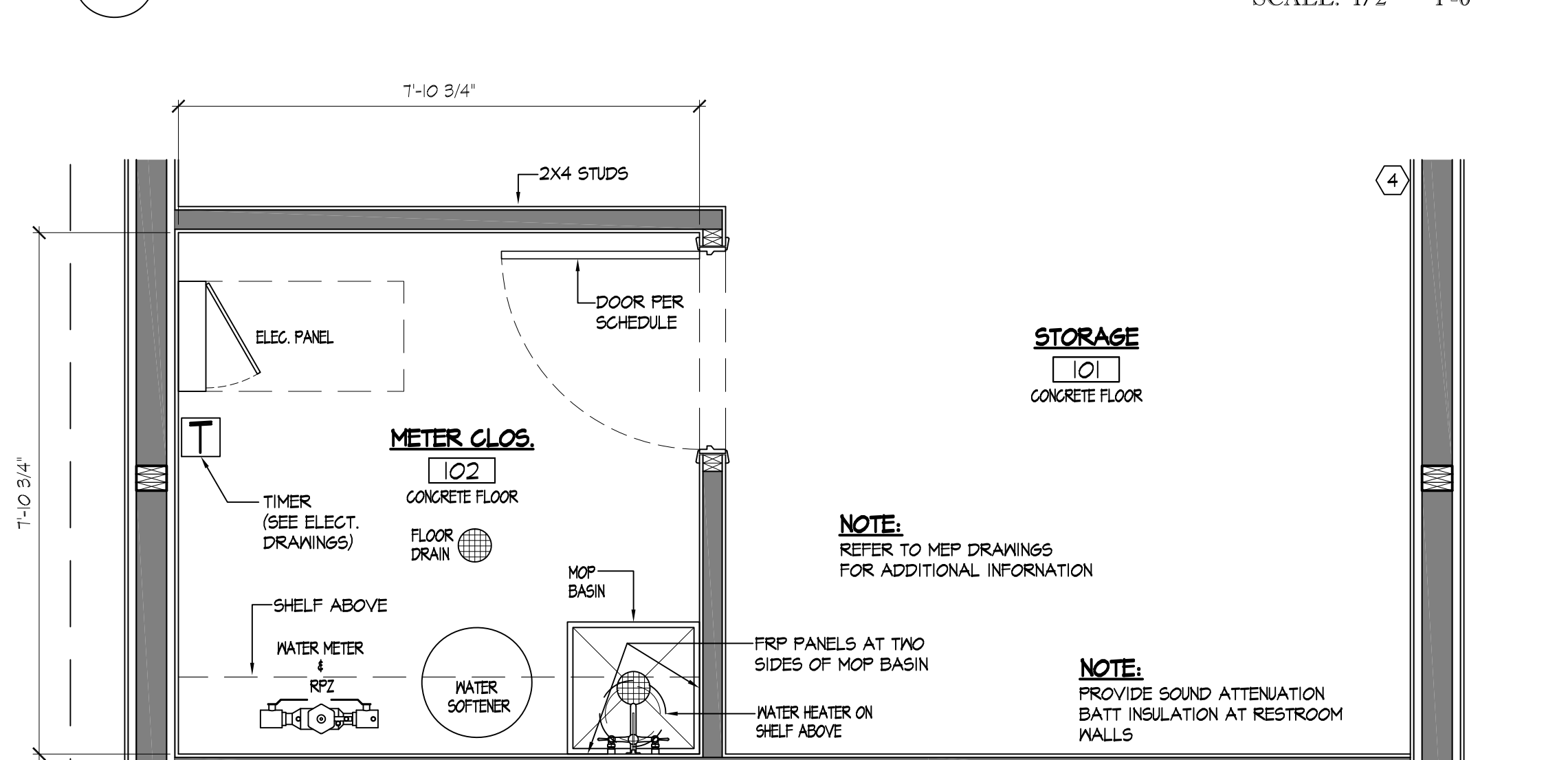
I.D.	DESCRIPTION	MODEL	MANUFACTURER / SUPPLIER	OPTIONS / SPECIFICATIONS / NOTES
1	TOILET PARTITIONS & URINAL SCREENS	T.B.D. STAINLESS STEEL FINISH	BRADLEY CORPORATION (800) 212-9999	ALTERNATE: MADRAN HDPP SERIES, SOLID PLASTIC SEE ENLARGED PLANS & ELEVATIONS FOR HEIGHTS & CLEARANCES. TYPICAL STALL DOORS @ 24" WIDE AND 36" WIDE AT ACCESSIBLE STALLS. (PROVIDE BLOCKING AS REQUIRED)
2	MIRROR	#B-240 - 2436 SATIN FINISH	BOBRICK WASHROOM EQUIPMENT, INC. (518) 871-1444	ACCESSORY: VANDAL SHIELD (VS-12) BY GRAFFITI REMOVAL, INC. PROVIDE WOOD BLOCKING AS REQUIRED.
3	GRAB BARS	#B-6806 SATIN FINISH	BOBRICK WASHROOM EQUIPMENT, INC. (518) 871-1444	PROVIDE WOOD BLOCKING AS REQUIRED. LOCATIONS AND SIZES AS INDICATED ON FLOOR PLANS & INTERIOR ELEVATIONS.
4	WASTE RECEPTACLE	#B-2280 (OPEN TOP)	BOBRICK WASHROOM EQUIPMENT, INC. (518) 871-1444	ACCESSORY: B-2210-3 VINYL LINER LOCATIONS AS INDICATED ON FLOOR PLANS.
5	TOILET TISSUE DISPENSER	#B-2842 STAINLESS STEEL FINISH	BOBRICK WASHROOM EQUIPMENT, INC. (518) 871-1444	PROVIDE WOOD BLOCKING AS REQUIRED. MOUNT 14" TO DISPENSER CENTERLINE
6	SOAP DISPENSER	#B-2111 SATIN FINISH	BOBRICK WASHROOM EQUIPMENT, INC. (518) 871-1444	ONE PER EACH LAVATORY.
7	BABY CHANGING STATION	#KB10-55MM STAINLESS STEEL FINISH	KOALA KARE PRODUCTS (803) 594-8300	LOCATIONS AS INDICATED ON FLOOR PLANS & INTERIOR ELEVATIONS.
8	HIGH-SPEED ELECTRIC HAND DRYERS	OVALYN #0445.221 COLOR - WHITE	MITSUBISHI ELECTRIC US, INC. (714) 220-2500	ALTERNATES: #1 - DYSON AIRBLADE #AB04 #2 - AMERICAN SPECIALTIES, INC. "TRIUMPH HIGH-SPEED"



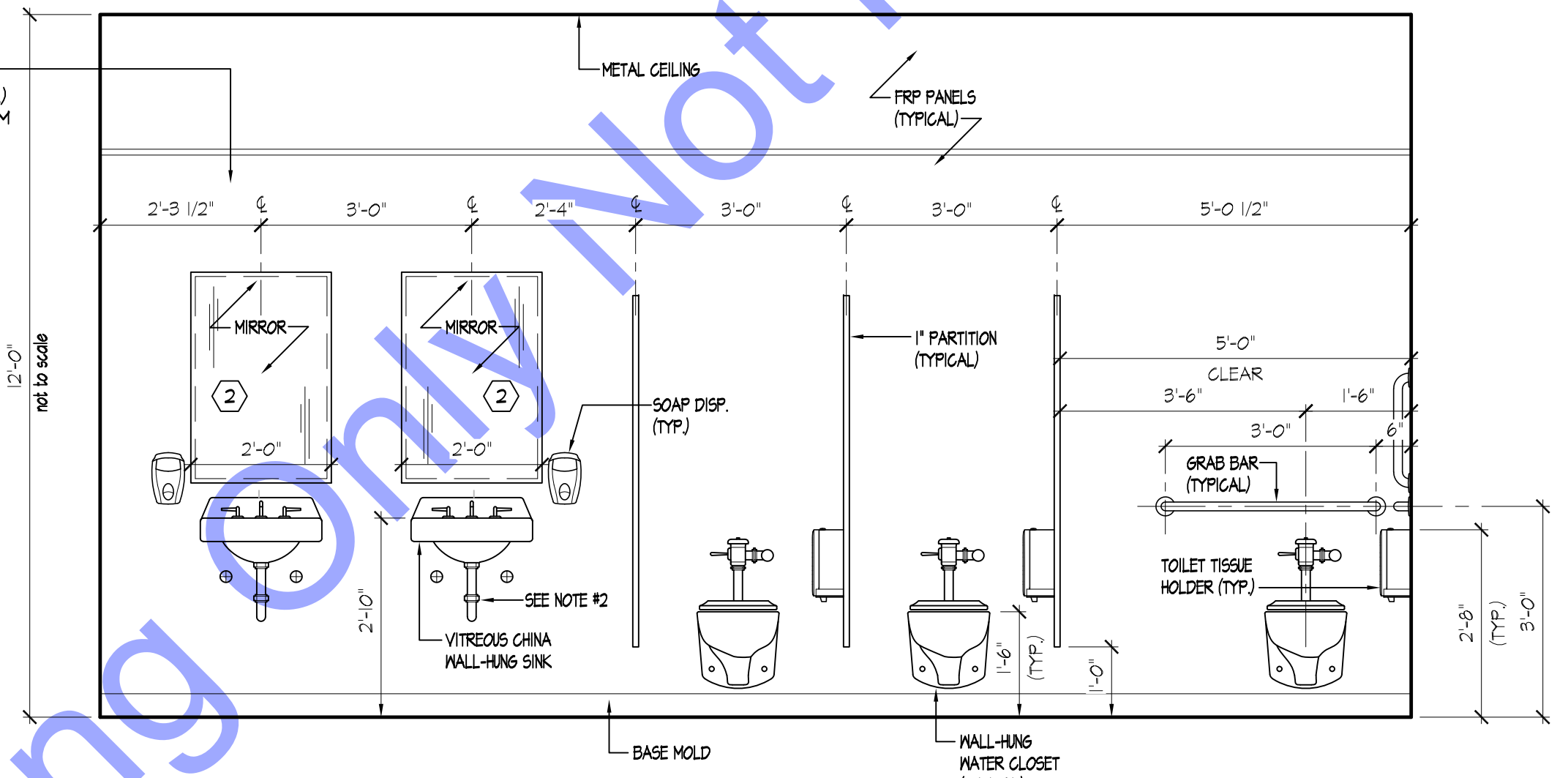
3 DRINKING FOUNTAIN
SCALE: 1/2" = 1'-0"

NOTE:
PROVIDE OWNER WITH FIXTURE SUBMITTAL FOR REVIEW AND APPROVAL.
SUBSTITUTIONS MUST BE APPROVED BY OWNER.

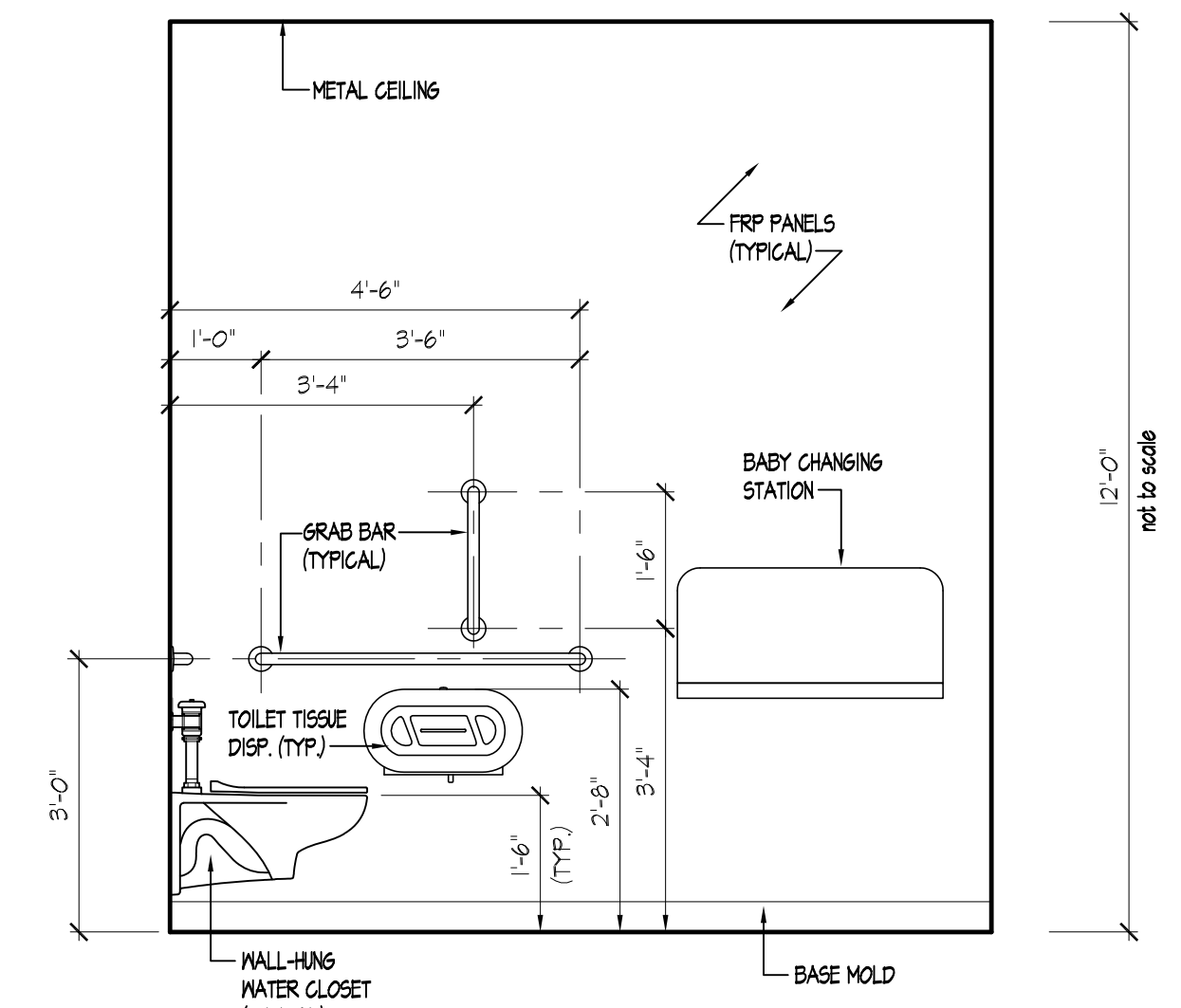
2 ENLARGED FLOOR PLAN
SCALE: 1/2" = 1'-0"



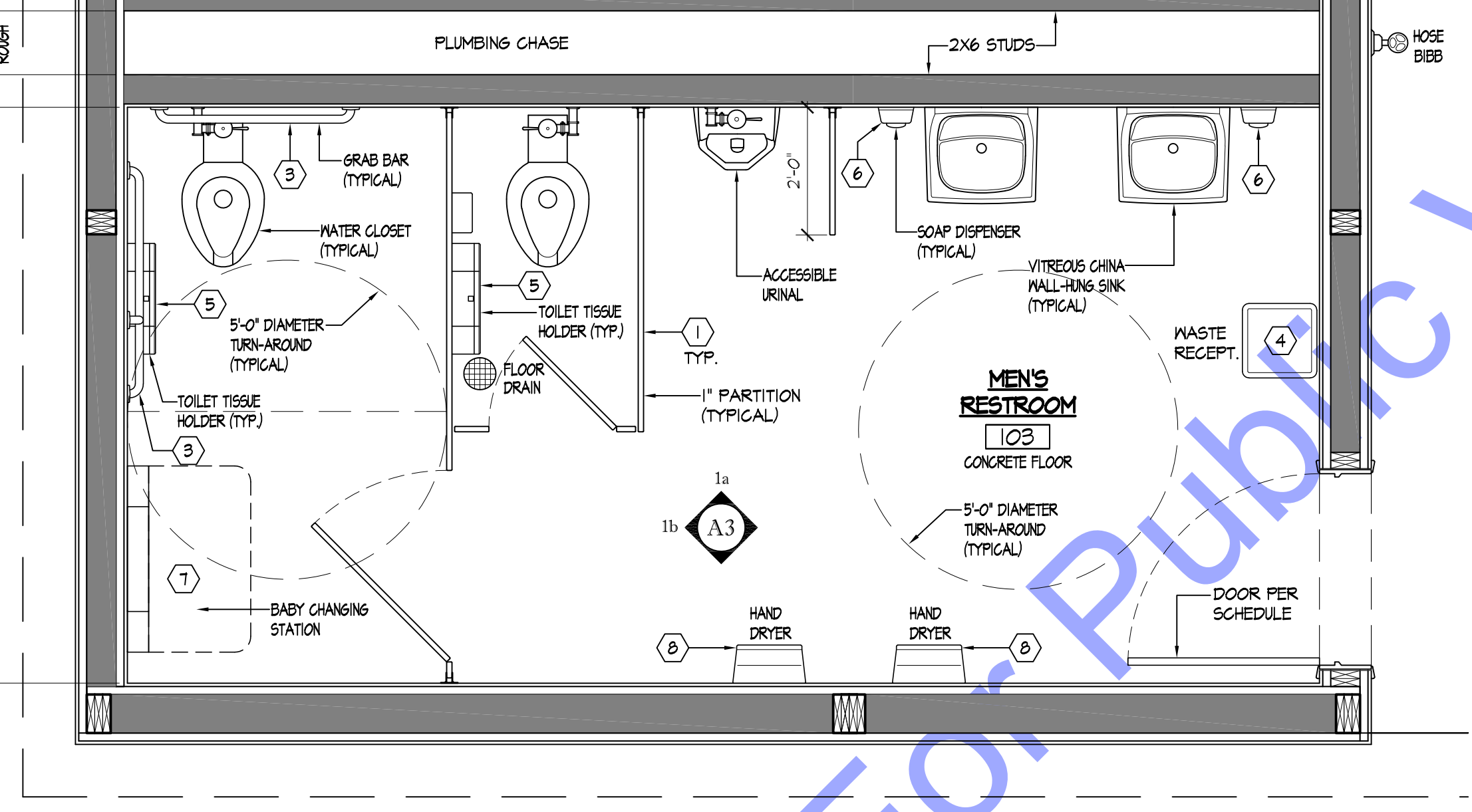
ALTERNATE BID:
PROVIDE CERAMIC TILE (8'-0" HT.) ON NET WALL AT EACH RESTROOM



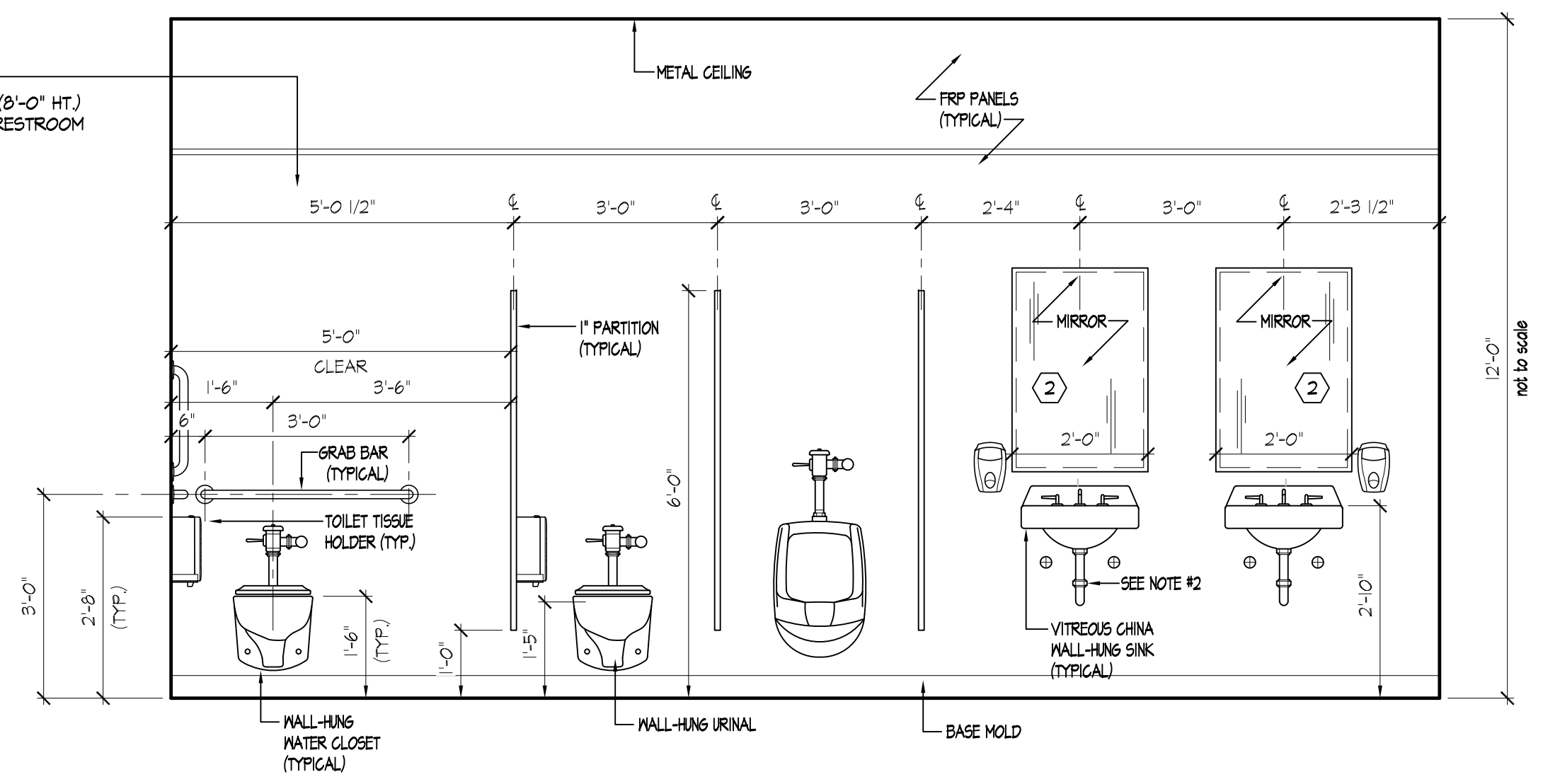
2a INTERIOR ELEVATION (WOMEN'S)
SCALE: 1/2" = 1'-0"



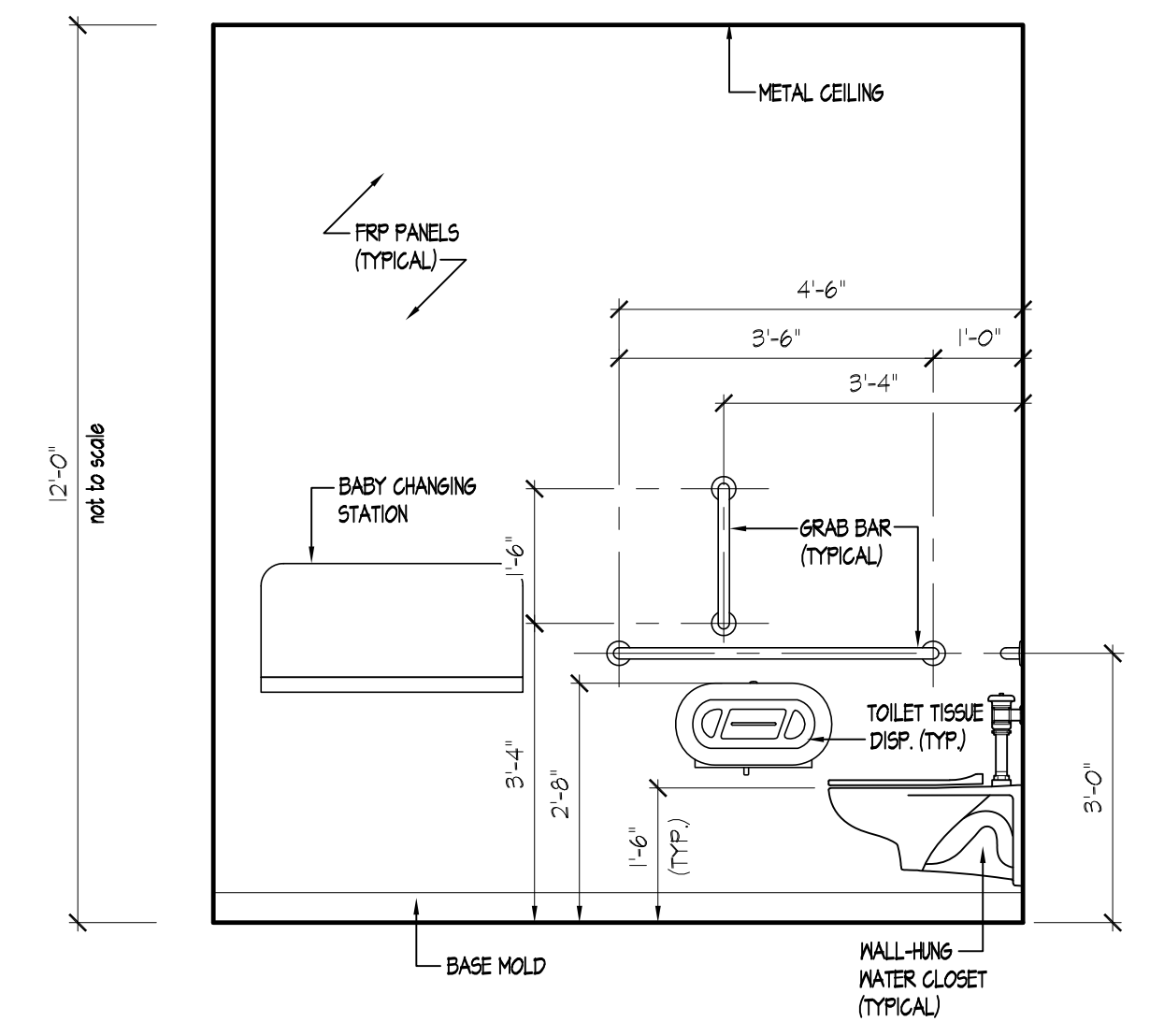
2b INTERIOR ELEVATION (WOMEN'S)
SCALE: 1/2" = 1'-0"



ALTERNATE BID:
PROVIDE CERAMIC TILE (8'-0" HT.) ON NET WALL AT EACH RESTROOM



1a INTERIOR ELEVATION (MEN'S)
SCALE: 1/2" = 1'-0"



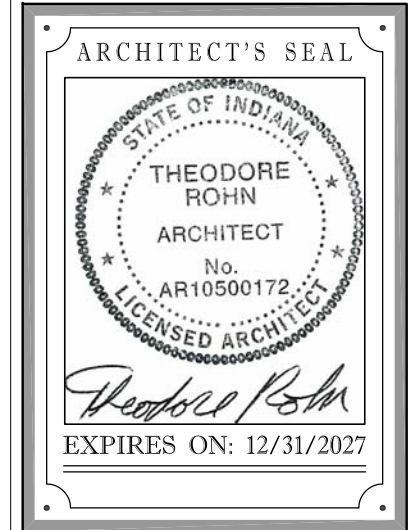
1b INTERIOR ELEVATION (MEN'S)
SCALE: 1/2" = 1'-0"

1 ENLARGED FLOOR PLAN
SCALE: 1/2" = 1'-0"

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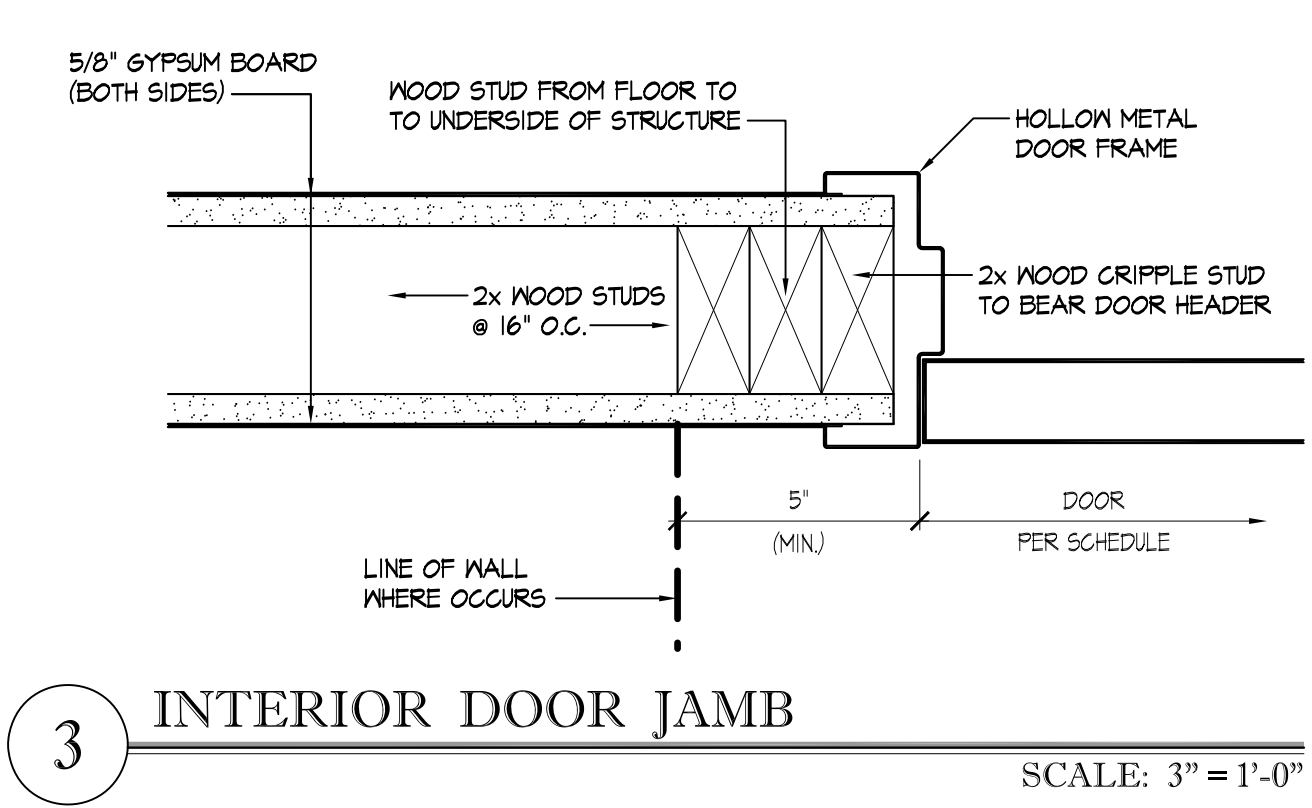
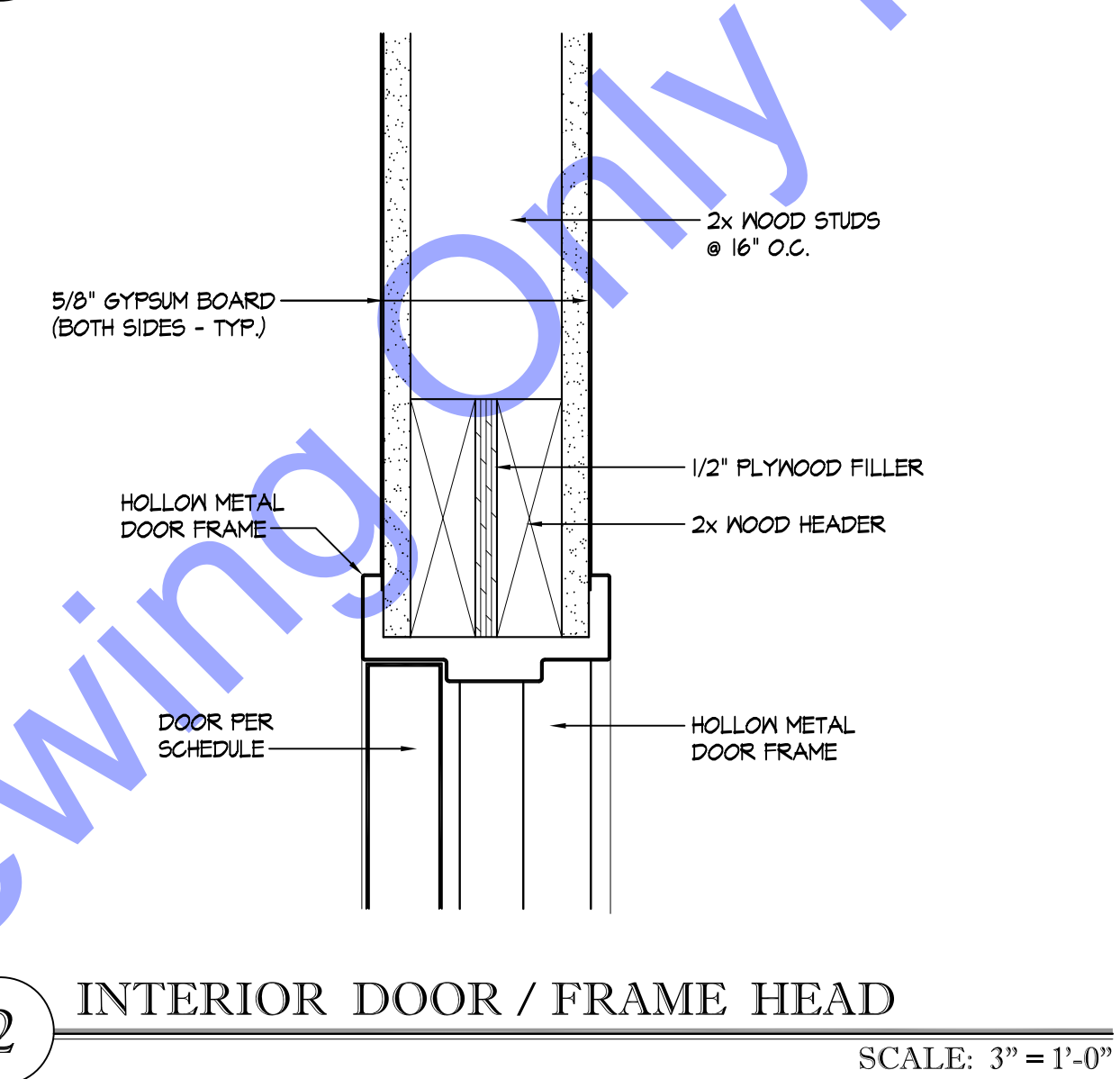
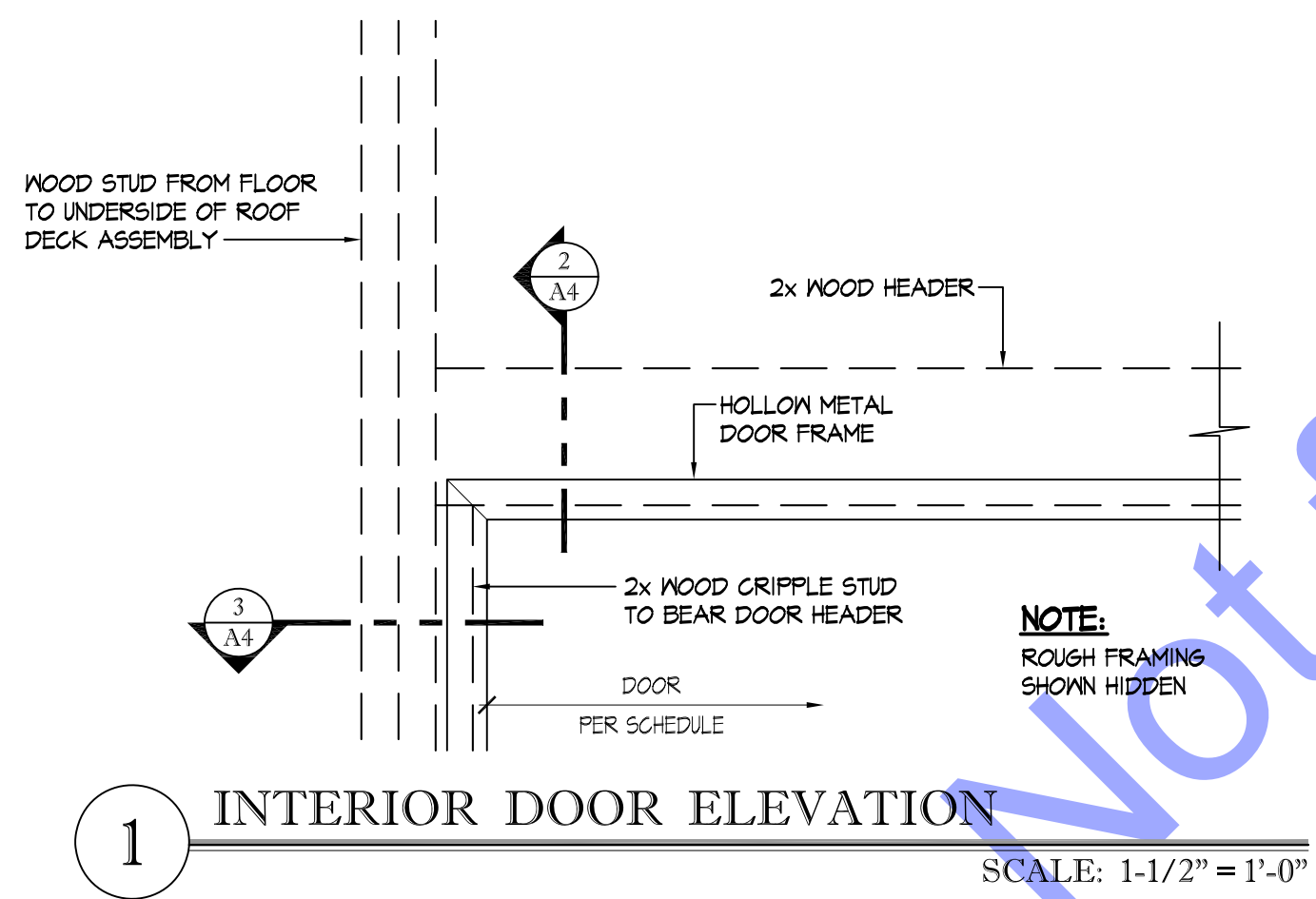
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ENLARGED PLANS & INTERIOR ELEVATIONS
SCALE: AS NOTED
PROJECT NO.: 26-883

A3

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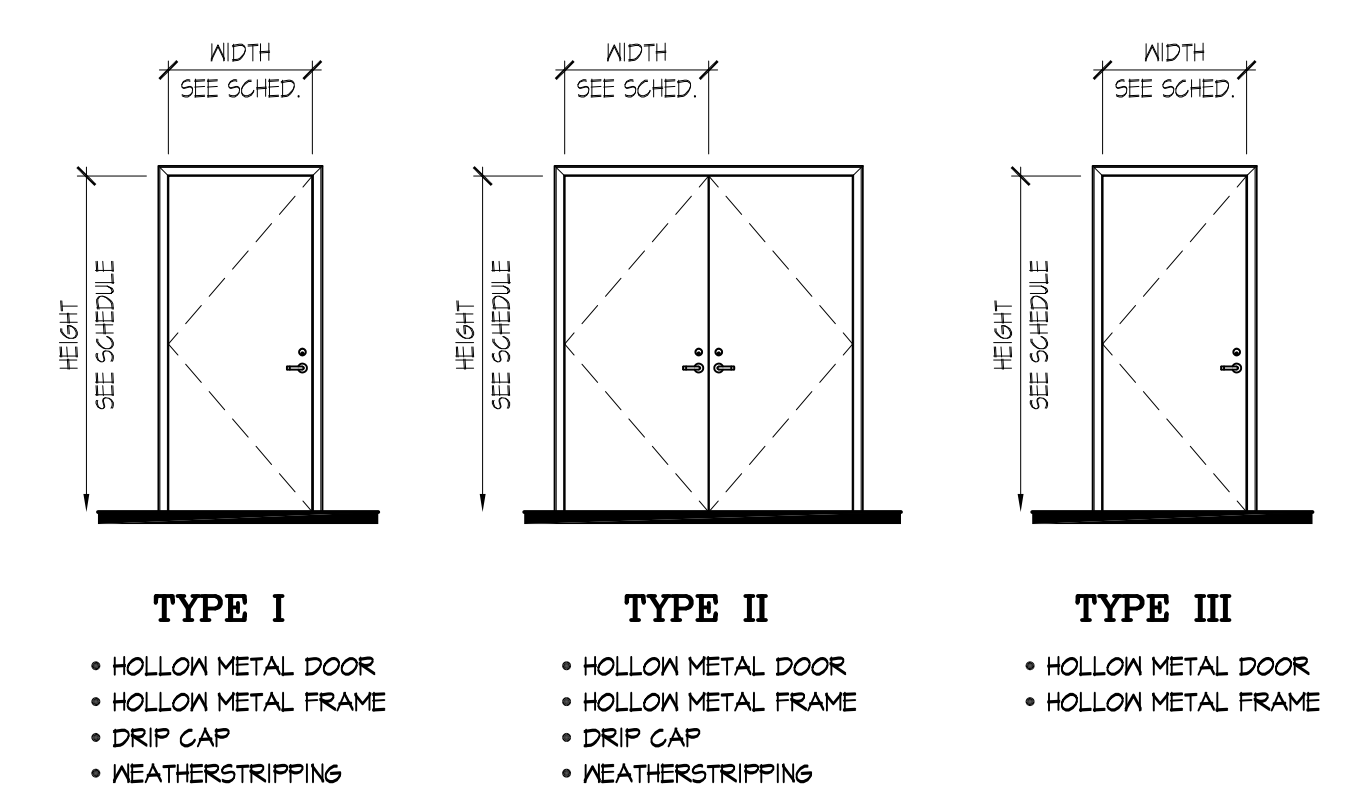


HARDWARE SCHEDULE		
SET	FUNCTION	REMARKS
A	RESTROOM LOCK	INSIDE: UNLOCKED / CLOSER OUTSIDE: CYLINDRICAL KEYED LOCK; DEADBOLT
B	STOREROOM LOCK	INSIDE: UNLOCKED / CLOSER OUTSIDE: CYLINDRICAL KEYED LOCK; DEADBOLT

I.D.	DOOR			FRAME				U.L. LABEL	HWDR. SET	COMMENTS			
	WIDTH	HEIGHT	THICK.	TYPE	MATERIAL	FINISH	MATERIAL				FINISH	HEAD	JAMB
100	3'-0"	7'-0"	1 3/4"	I	HOLLOW METAL	PRE-PRIMED	HOLLOW METAL	PRE-PRIMED	2 / A4	3 / A4	-	A	
101	2/3'-0"	7'-0"	1 3/4"	II	HOLLOW METAL	PRE-PRIMED	HOLLOW METAL	PRE-PRIMED	2 / A4	3 / A4	-	B	
102	3'-0"	7'-0"	1 3/4"	III	HOLLOW METAL	PRE-PRIMED	HOLLOW METAL	PRE-PRIMED	2 / A4	3 / A4	-	B	
103	3'-0"	7'-0"	1 3/4"	I	HOLLOW METAL	PRE-PRIMED	HOLLOW METAL	PRE-PRIMED	2 / A4	3 / A4	-	A	

NOTE: DOORS 101, 102 & 104 TO BE SUPPLIED BY FBI BUILDINGS. REFER TO PRE-ENGINEERED BUILDING DRAWINGS.

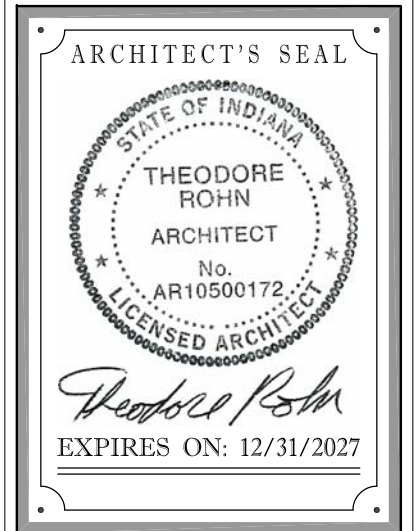
- DOOR & HARDWARE GENERAL NOTES:**
1. VERIFY DIMENSIONS OF FRAMED OPENINGS IN THE FIELD PRIOR TO MANUFACTURING.
 2. DOOR HARDWARE SUBMITTAL TO BE REVIEWED BY ARCHITECT FOR A.D.A. COMPLIANCE.
 3. ALL DOOR LOCKS SHALL HAVE INTERCHANGEABLE KEY CORES COMPATIBLE WITH "BEST LOCK SYSTEMS" OR EQUIVALENT & BE RE-KEYED UPON TENANT OCCUPANCY.
 4. ALL DOORS USED IN CONNECTION W/ EXITS SHALL BE SO ARRANGED AS TO BE READILY OPENED WITHOUT A KEY IN THE DIRECTION OF EGRESS.
 5. ALL DOORS TO BE KEYLESS IN THE DIRECTION OF EGRESS.
 6. CLOSERS INSTALLED AT RESTROOMS TO BE DELAYED ACTION.
 7. EACH DOOR TO HAVE TWO (2) PAIR OF HINGES (TYPICAL).
PROVIDE NON-FERROUS, NON-REMOVABLE HINGES AT ALL EXTERIOR DOORS.
 8. EXTERIOR DOORS SHALL HAVE WEATHERSTRIPPING, INSULATION, DRIP CAPS (WHERE APPLICABLE) & BE A.D.A. ACCESSIBLE WITH 1/4" HIGH THRESHOLD.



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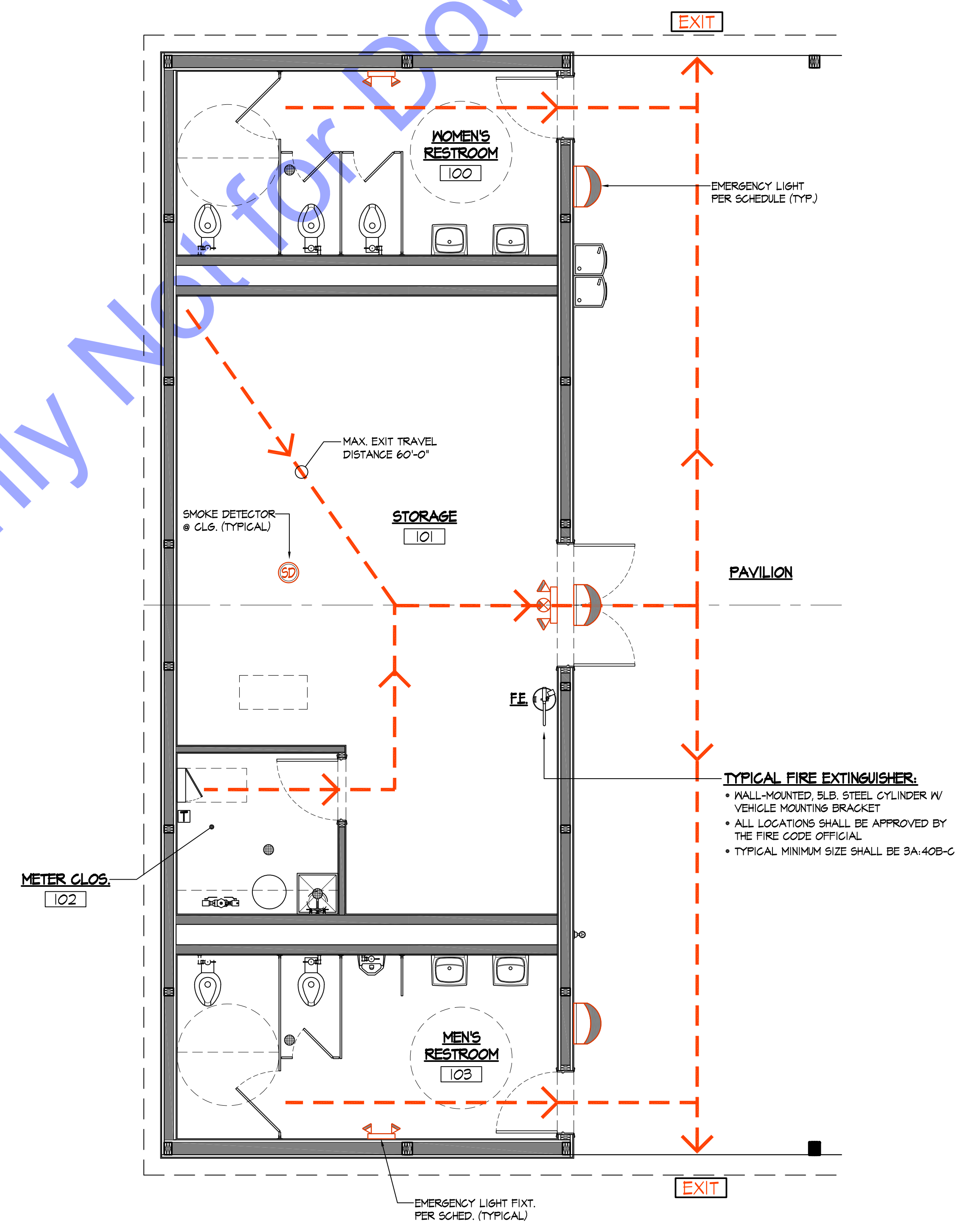
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SCHEDULES & DOOR DETAILS
SCALE: AS NOTED
PROJECT NO.: 26-883

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EMERGENCY LIGHT PER SCHEDULE (TYP.)

MAX. EXIT TRAVEL DISTANCE 60'-0"

SMOKE DETECTOR @ CL6, (TYPICAL) SD

STORAGE 101

PAVILION

TYPICAL FIRE EXTINGUISHER.
 • WALL-MOUNTED, 5LB. STEEL CYLINDER W/ VEHICLE MOUNTING BRACKET
 • ALL LOCATIONS SHALL BE APPROVED BY THE FIRE CODE OFFICIAL.
 • TYPICAL MINIMUM SIZE SHALL BE 3A-40B-C

METER CLOS. 102

EMERGENCY LIGHT FIXT. PER SCHED. (TYPICAL)

LIFE SAFETY PLAN

OCCUPANCY CLASSIFICATION: (GROUP U)

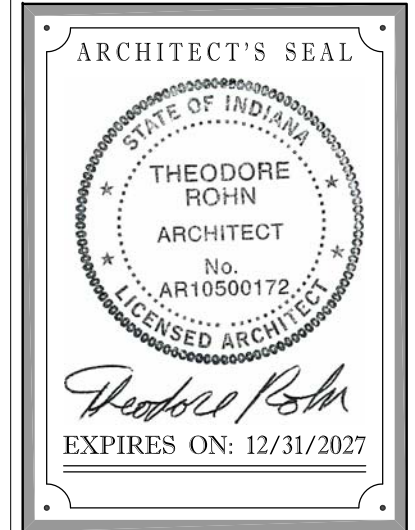
SCALE: 1/4" = 1'-0"



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LIFE SAFETY PLAN

SCALE: AS NOTED
 PROJECT NO.: 26-883

LS1

23 00 10 - BASIC MECHANICAL REQUIREMENTS	
1.	IT IS THE PURPOSE AND INTENT OF THE SPECIFICATION, NOTES, AND DRAWINGS, THAT THE CONTRACTOR SHALL FURNISH ALL LABOR AND MATERIAL NECESSARY TO PROVIDE A COMPLETE INSTALLATION OF MECHANICAL SERVICES AS INDICATED ON THE PLANS AND AS HEREINAFTER SPECIFIED COMPLETE IN MATERIALS AND FITTINGS AS MAY BE REQUIRED TO MAKE THE WORK COMPLETE FOR THE PURPOSE INTENDED.
2.	THE DRAWINGS PERTAINING TO THE INSTALLATION GENERALLY INDICATE THE LOCATION OF EQUIPMENT AND OTHER DETAILS NECESSARY TO THE COMPLETE INSTALLATION. BIDDERS SHALL ACQUAINT THEMSELVES WITH THE WORKING CONDITIONS AND MATERIALS REQUIRED TO ENTIRELY COMPLETE THE WORK READY FOR USE.
3.	ANY CHANGES IN THE LOCATION OF THE EQUIPMENT, ETC., FROM THOSE SHOWN ON THE DRAWINGS SHALL BE MADE WITHOUT CHARGE IF SO DIRECTED BY THE ARCHITECT/OWNER BEFORE INSTALLATION.
4.	ALL WORK SHALL BE PERFORMED IN A WORKABLE MANNER BY A FULLY LICENSED CONTRACTOR AND IN FULL ACCORDANCE WITH THE APPLICABLE BUILDING CODES, REQUIREMENTS AND STANDARDS.
5.	ALL CUTTING AND PATCHING WHICH MUST BE DONE, IN ORDER THAT THE MECHANICAL WORK MAY BE PROPERLY INSTALLED, SHALL BE DONE BY APPROPRIATE TRADESMEN UNDER THIS CONTRACTORS CONTRACT. ALL DISTURBED CONSTRUCTION, SURFACES OR FINISHES MUST BE REPLACED OR REPAIRED TO THE ARCHITECT'S SATISFACTION AT THIS CONTRACTOR'S EXPENSE. UNDER NO CONDITION SHALL STRUCTURAL WORK BE CUT EXCEPT UPON APPROVAL OF THE ARCHITECT OR STRUCTURAL ENGINEER.
6.	THIS CONTRACTOR SHALL FIELD VISIT SITE PRIOR TO BID AND VERIFY ALL EXISTING CONDITIONS AND SYSTEMS TO DETERMINE EXTENT OF WORK. ANY ITEMS NOT SPECIFICALLY INDICATED ON DRAWINGS OR IN SPECIFICATIONS THAT ARE IN CONFLICT WITH CONTRACT WORK SHALL BE BROUGHT TO THE ATTENTION OF ARCHITECT/ENGINEER PRIOR TO BID FOR A DECISION. NO EXTRAS WILL BE ALLOWED FOR LACK OF KNOWLEDGE OF EXISTING CONDITIONS.
7.	THIS CONTRACTOR SHALL COORDINATE ALL WORK WITH THE OTHER TRADES AND VERIFY DIMENSIONS AND LOCATIONS FROM THE ARCHITECTURAL DRAWINGS, FIELD MEASUREMENTS AND SUPPLIER SHOP DRAWINGS.
8.	LAYOUT IS DIAGRAMMATIC AND CONTRACTOR SHALL INSTALL EQUIPMENT TO MEET THE FIELD CONDITIONS.
9.	THIS CONTRACTOR IS RESPONSIBLE FOR THE CONDITION AND PROTECTION FROM DAMAGE OF HIS EQUIPMENT AND SYSTEMS. CONTRACTOR SHALL REPLACE ANY DAMAGED EQUIPMENT AT HIS EXPENSE PRIOR TO FINAL ACCEPTANCE REGARDLESS OF WHO CAUSED THE DAMAGE.
10.	CONTRACTOR SHALL REMOVE ALL DEBRIS FROM JOB SITE AND LEAVE ALL WORK AND EQUIPMENT IN CLEAN WORKING CONDITION.
11.	THIS CONTRACTOR SHALL NOTE THAT THE ELECTRICAL DESIGN AND DRAWINGS ARE BASED ON THE EQUIPMENT SCHEDULED AND SHOWN ON THESE DRAWINGS. IF THE MECHANICAL CONTRACTOR SHOULD SUBMIT FOR REVIEW EQUIPMENT REQUIRING CHANGES TO THE ELECTRICAL DESIGN FOR WHICH THE ELECTRICAL CONTRACTOR WILL REQUEST AN EXTRA. THIS EXTRA WILL BE PAID BY THE MECHANICAL CONTRACTOR
12.	ALL EQUIPMENT AND INSTALLATION SHALL COMPLY WITH THE CURRENT CODE REQUIREMENTS.
13.	CONTRACTOR SHALL THOROUGHLY SEAL WALL AND FLOOR PENETRATIONS WITH THE APPROPRIATE MATERIAL AND/OR EQUIPMENT TO MEET THE FIRE RATING.
14.	SUBMIT SHOP DRAWINGS ON ALL EQUIPMENT AND MATERIALS AFTER THEY HAVE BEEN REVIEWED AND STAMPED BY THE GENERAL CONTRACTOR AND MECHANICAL CONTRACTOR.
15.	PREPARE AND PROVIDE OWNER WITH A SCALE SET OF AS-BUILT DRAWINGS.
16.	INSTRUCT OWNER IN THE PROPER OPERATION, MAINTENANCE AND SERVICING OF ALL SYSTEMS. PROVIDE ONE(1) SET OF OPERATIONS, MAINTENANCE AND INSTRUCTION MANUALS, INCLUDING INFORMATION ON SPARE PARTS, LUBRICATION SCHEDULE, WIRING DIAGRAMS, ETC., FOR ALL FIXTURES AND EQUIPMENT.
17.	THIS CONTRACTOR SHALL PERFORM ALL EXCAVATING AND BACK FILLING REQUIRED FOR HIS WORK.
18.	CONTRACTOR SHALL FURNISH AND INSTALL ALL STARTERS, CONTROLS, RELAYS, DEVICES, ETC. FOR A COMPLETELY OPERATIONAL SYSTEM.
19.	REMOVE ALL DEBRIS FROM JOB SITE AND LEAVE ALL MECHANICAL EQUIPMENT CLEAN.
20.	THE CONTRACTOR SHALL PROVIDE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR ALL EQUIPMENT ON SITE FOR REVIEW BY INSPECTORS. ALL EQUIPMENT MUST BEAR THE LABEL OF AN APPROVED INSPECTION AGENCY. THE CONTRACTOR SHALL SUBMIT MANUFACTURER'S INSTALLATION INSTRUCTIONS TO THE LOCAL AUTHORITIES AS REQUIRED.
21.	PROVIDE ALL HVAC EQUIPMENT OF THE TYPE, QUALITY, FINISH AND MANUFACTURER SHOWN ON THE DRAWINGS.
22.	UNITS SHALL BE TESTED, RATED AND CERTIFIED AS COMPLETE UNITS IN ACCORDANCE WITH A.R.I. FOR CAPACITIES AND AMCA FOR SOUND RATINGS AND BE U.L. LISTED.
23.	VERIFICATION THAT ALL EQUIPMENT HAS BEEN TESTED TO THE APPROPRIATE STANDARDS REFERENCED IN THE CODES MUST BE SUBMITTED.
24.	ALL AIR HANDLING SYSTEMS GREATER THAN 2,000 CFM SHALL BE EQUIPPED WITH A RETURN AIR SMOKE DETECTOR WHICH SHALL SHUT OFF BLOWER UPON A DETECTION OF SMOKE.

23 05 00 - BASIC MECHANICAL MATERIALS AND METHODS	
1.	THE CONTRACTOR SHALL GUARANTEE ALL MATERIALS OR REPAIR, WITHOUT COST TO THE OWNER, ANY SUCH DEFECTS WITHIN ONE (1) YEAR TO DATE, AFTER FINAL ACCEPTANCE OF THE BUILDING BY THE OWNER AND ENGINEER. HE SHALL ALSO GUARANTEE THAT THE WORKMANSHIP IS OF HIGH QUALITY AND THAT ALL EQUIPMENT FURNISHED UNDER THIS CONTRACT FULFILLS THE REQUIREMENTS OF THE SPECIFICATIONS.
2.	ALL EQUIPMENT AND MATERIAL WARRANTIES ARE TO BE HONORED BY THIS CONTRACTOR.
3.	COORDINATE PHASING AND SEQUENCING OF ALL WORK WITH THE OWNER AND/OR THE OWNERS REPRESENTATIVE.
4.	COORDINATE MECHANICAL EQUIPMENT INSTALLATION WITH ALL OTHER TRADES AND BUILDING COMPONENTS.
5.	COORDINATE CONNECTION OF ELECTRICAL SERVICES.
6.	INSTALL EQUIPMENT TO PROVIDE MAXIMUM POSSIBLE HEADROOM, IF MOUNTING HEIGHTS ARE NOT INDICATED.
7.	INSTALL EQUIPMENT ACCORDING TO REVIEWED SUBMITTAL DATA. PORTIONS OF THE WORK ARE SHOWN ONLY IN DIAGRAMMATIC FORM. REFER CONFLICTS TO ARCHITECT.
8.	INSTALL MECHANICAL EQUIPMENT TO FACILITATE SERVICE, MAINTENANCE, AND REPAIR OR REPLACEMENT OF COMPONENTS. CONNECT EQUIPMENT FOR EASE OF DISCONNECTING, WITH MINIMUM INTERFERENCE TO OTHER INSTALLATIONS.
9.	INSTALL EQUIPMENT GIVING RIGHT OF WAY TO PIPING INSTALLED AT REQUIRED SLOPE.
10.	DEMOLITION
10.1.	REMOVE EXISTING SUPPLY AND RETURN DUCTWORK DISTRIBUTION SYSTEMS AND ALL COMPONENTS.
10.2.	DISCONNECT, DEMOLISH, AND REMOVE MECHANICAL SYSTEMS, EQUIPMENT, AND COMPONENTS INDICATED ON THESE DOCUMENTS TO BE REMOVED.
10.3.	PIPING TO BE REMOVED: REMOVE PORTION OF PIPING INDICATED TO BE REMOVED AND CAP OR PLUG REMAINING PIPING WITH SAME OR COMPATIBLE PIPING MATERIAL.
10.4.	DUCTS TO BE REMOVED: REMOVE PORTION OF DUCTS INDICATED TO BE REMOVED AND PLUG REMAINING DUCTS WITH SAME OR COMPATIBLE DUCTWORK MATERIAL.
10.5.	EQUIPMENT TO BE REMOVED: DISCONNECT AND CAP SERVICES AND REMOVE EQUIPMENT.
10.6.	IF PIPE, INSULATION, OR EQUIPMENT TO REMAIN IS DAMAGED IN APPEARANCE OR IS UNSERVICEABLE, REMOVE DAMAGED OR UNSERVICEABLE PORTIONS AND REPLACE WITH NEW PRODUCTS OF EQUAL CAPACITY AND QUALITY.

23 05 93 - TESTING, ADJUSTING AND BALANCING	
1.	TESTING AND BALANCING SHALL BE PERFORMED BY A CERTIFIED TEST AND BALANCE COMPANY OTHER THAN THE INSTALLING CONTRACTOR.
2.	TEST AND BALANCE ALL THE EXISTING AND NEW HVAC SYSTEMS AND EQUIPMENT SERVICING THE SCOPE OF WORK AREA.
3.	ALL MATERIALS, INSTALLATION AND WORKMANSHIP SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS AND STANDARDS ADDRESSED WITHIN THE FOLLOWING REFERENCES:
3.1.	AABC - NATIONAL STANDARDS FOR TESTING AND BALANCING HEATING, VENTILATING, AND AIR CONDITIONING SYSTEMS.
3.2.	NEBB - NATIONAL ENVIRONMENTAL BALANCING BUREAU, PROCEDURAL STANDARDS FOR TESTING, ADJUSTING, BALANCING OF ENVIRONMENTAL SYSTEMS.
3.3.	ASHRAE HVAC APPLICATIONS CHAPTER 37: TESTING, ADJUSTING AND BALANCING.
3.4.	ANSI/ASHRAE STANDARD 111: PRACTICES FOR MEASUREMENT, TESTING, ADJUSTING AND BALANCING OF BUILDINGS, HEATING, VENTILATION, AIR CONDITIONING AND REFRIGERATION SYSTEMS.
4.	THE TEST AND BALANCE REPORT SHALL BE SUBMITTED TO THE VILLAGE AT THE TIME OF THE FINAL INSPECTION.

PLAN REVIEW AND ENERGY CODE REQUIRED	
1.	FURNISH TO THE OWNER OPERATION AND MAINTENANCE MANUALS FOR HVAC SYSTEMS WITHIN 90 DAYS OF SYSTEM ACCEPTANCE.
2.	HVAC EQUIPMENT SHALL BE TESTED TO ENSURE PROPER OPERATION.
3.	FURNISH HVAC AS-BUILT DRAWINGS WITHIN 90 DAYS OF SYSTEM ACCEPTANCE TO THE OWNER AND ENGINEER OF RECORD.
4.	FURNISH AIR BALANCE REPORT TO THE OWNER AND THE ENGINEER OF RECORD.
5.	TEST HVAC CONTROL SYSTEMS TO ENSURE PROPER OPERATION, CALIBRATION AND ADJUSTMENT OF CONTROLS.

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3.4.	ANSI/ASHRAE STANDARD 111: PRACTICES FOR MEASUREMENT, TESTING, ADJUSTING AND BALANCING OF BUILDINGS, HEATING, VENTILATION, AIR CONDITIONING AND REFRIGERATION SYSTEMS.
4.	THE TEST AND BALANCE REPORT SHALL BE SUBMITTED TO THE VILLAGE AT THE TIME OF THE FINAL INSPECTION.

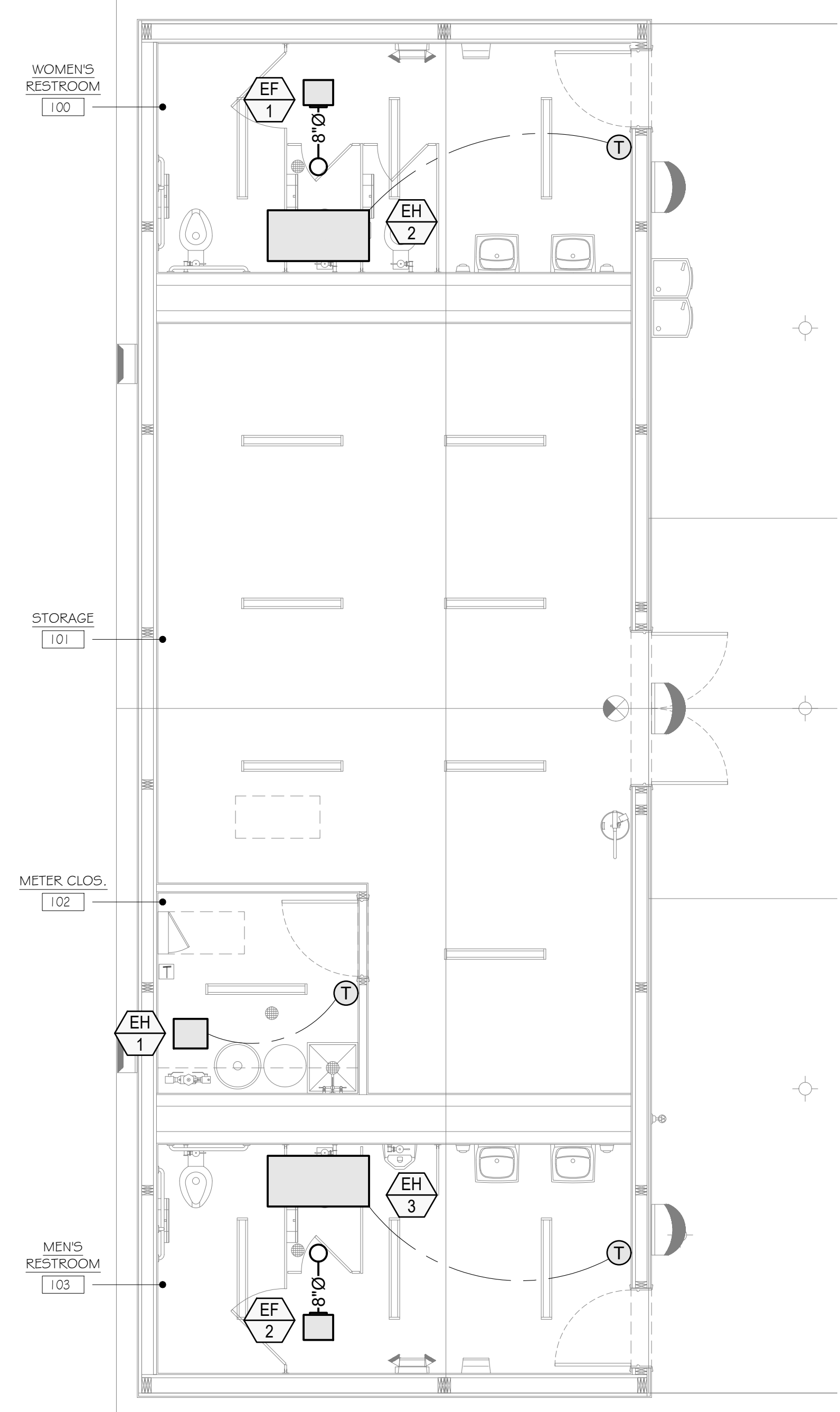
VENTILATION SCHEDULE															
ROOM NUMBER	ROOM NAME	ROOM PURPOSE (USE)	ORDINANCE REQUIRED										PLAN REQUIRED		
			NET FLOOR AREA (FT²)	PEOPLE PER 1,000 FT²	TOTAL PEOPLE	OUTDOOR AIR PER PERSON (CFM)	OUTDOOR AIR (CFM/FT²)	EXHAUST AIR (CFM/FIX)	NUMBER PLUMBING FIXTURES	EXHAUST AIR (CFM/FT²)	TOTAL OUTDOOR AIR (CFM)	TOTAL EXHAUST AIR (CFM)	SUPPLY AIR (CFM)	EXHAUST AIR (CFM)	OUTDOOR AIR (CFM)
ZONE-1															
100	WOMEN'S RESTROOM	TOILET ROOM	168	0	0	0.00	0.00	70	3	0	0	210	0	210	0
101	STORAGE	STORAGE	498	0	0	0.00	0.00	0	0	0	0	0	0	0	
102	METER CLOS.	UTILITY	62	0	0	0.00	0.00	0	0	0	0	0	0	0	
103	MEN'S RESTROOM	TOILET ROOM	168	0	0	0.00	0.00	70	3	0	0	210	0	210	0
TOTAL FOR ZONE-1			896		0						0	420	0	420	0

EXHAUST FAN SCHEDULE														
TAG	MFR	MODEL NUMBER	AIR FLOW (CFM)	E.S.P. (IWC)	EXHAUST FAN POWER	FAN RPM	ELECTRICAL				CONTROL	INCLUDED OPTIONS AND REMARKS		
							V	PH	HZ	FLA				
EF-1	GREENHECK	SP-A200	210	0.25	--	900	115	1	60	0.46	WITH LIGHTING CONTROL	①	②	③
EF-2	GREENHECK	SP-A200	210	0.25	--	900	115	1	60	0.46	WITH LIGHTING CONTROL	①	②	③

① POWER DISCONNECT
② GRAVITY BACKDRAFT DAMPER
③ ROOFJACK DISCHARGE

ELECTRIC HEATER SCHEDULE															
TAG	MANUFACTURER	MODEL NUMBER	DESCRIPTION	POWER (KW)	ELECTRICAL			INCLUDED OPTIONS AND REMARKS							
					V	PH	HZ								
EH-1	QMARK	MUH-03-81	UNIT HEATER	3.00	240	1	60	12.5	①	②	③	④			
EH-2	QMARK	CP751F	RADIANT CEILING PANEL	0.75	120	1	60		①				⑤	⑥	
EH-3	QMARK	CP751F	RADIANT CEILING PANEL	0.75	120	1	60		①				⑤	⑥	

① DISCONNECT SWITCH
② PROVIDE UNIVERSAL WALL AND CEILING MOUNTING BRACKET.
③ DOWNFLOW CONFIGURATION
④ PROVIDE 24VAC TRANSFORMER AND THERMOSTAT
⑤ PROVIDE ALL REQUIRED MOUNTING HARDWARE FOR SURFACE CEILING MOUNT CONFIGURATION.
⑥ REMOTE LINE-VOLTAGE THERMOSTAT WITH LOCKING COVER



PARTIAL FLOOR PLAN - MECHANICAL
SCALE: 1/4" = 1'-0"

FARMER'S MARKET PAVILION
112 W. RUTSEN STREET
RENSSELAER, INDIANA
47978

ROHN ASSOCIATES
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13177 RHODE STREET
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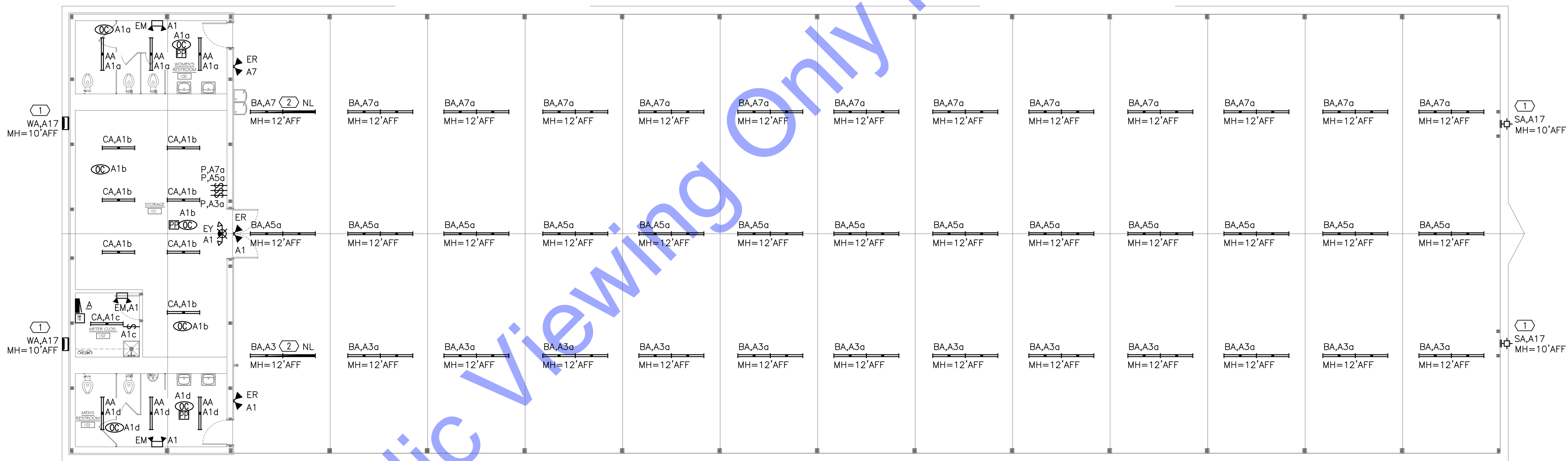
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ISSUE FOR:	
4/27/26	BID/FERMIT

MECHANICAL FLOOR PLAN
SCALE: AS NOTED
PROJECT NO.: 26-883

M-1.0

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SHEET NOTES

1. CONTROLLED BY TIMER A.
2. PROVIDE NIGHT LIGHT AS REQUIRED BY OWNER.



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

FARMER'S MARKET PAVILION
112 W. RUTSEN STREET
RENSSELAER, INDIANA
477978

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Michael C. Zuccarelli

ISSUE FOR:

4/27/26	BID/PERMIT

LIGHTING
FLOOR
PLAN
SCALE: AS NOTED
PROJECT NO.: 26-883

E-1.0

SPECIFICATIONS

GENERAL

- THE CONTRACTOR SHALL FURNISH ALL LABOR AND MATERIALS NECESSARY TO PROVIDE A COMPLETE INSTALLATION OF THE SYSTEMS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATIONS.
- ALL WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER AND COMPLY WITH ALL APPLICABLE LOCAL, STATE AND NATIONAL CODES AND ORDINANCES AND THE REQUIREMENTS OF THE LOCAL UTILITY COMPANY. ALL EQUIPMENT SHALL BE U.L. (OR OTHER NATIONALLY RECOGNIZED TESTING COMPANY) LISTED.
- ALL DRAWINGS ARE DIAGRAMMATIC IN NATURE. CONTRACTOR SHALL INSTALL SYSTEMS TO MEET FIELD CONDITIONS. CONTRACTOR SHALL COORDINATE ALL WORK WITH RESPECTIVE TRADES, AND VERIFY LOCATIONS FROM THE ARCHITECTURAL DRAWINGS, SUPPLIER DRAWINGS, AND FIELD DIMENSIONS.
- CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE FULL EXTENT OF THE WORK AND THE WORKING CONDITIONS.
- THE DRAWINGS AND SPECIFICATIONS HAVE BEEN DEVELOPED FOR ONE (1) PRIME CONTRACTOR. THEY ARE NOT INTENDED TO DIVIDE THE WORK BETWEEN CONTRACTORS. COORDINATE INTERFACES WITH GENERAL CONTRACTOR.
- ARRANGE AND PAY FOR ALL COST CHARGEABLE TO THE OWNER BY UTILITY COMPANIES FOR ELECTRICAL SERVICES FOR THE PROJECT INCLUDING TELEPHONE AND ELECTRICAL SERVICE.
- CONTRACTOR SHALL VERIFY ALL ELECTRICAL REQUIREMENTS FOR THE FOLLOWING EQUIPMENT WITH THE ASSOCIATED VENDOR AND/OR CONTRACTOR AND THE AUTHORITY HAVING JURISDICTION (AHJ) PRIOR TO ORDERING EQUIPMENT AND ROUGH-IN:
 - MECHANICAL EQUIPMENT
 - PLUMBING EQUIPMENT

PERMITS

OBTAIN AND PAY FOR ALL LICENSES, PERMITS AND INSPECTIONS FOR ALL WORK COVERED BY THIS CONTRACT. ALL CERTIFICATES OF INSPECTION SHALL BE DELIVERED TO THE OWNER.

CONSTRUCTION POWER

PROVIDE TEMPORARY POWER AND LIGHTING FOR THE JOB SITE DURING CONSTRUCTION.

ELECTRIC UTILITY COMPANY

- COORDINATE WITH THE ELECTRIC UTILITY COMPANY FOR THE FURNISHING OF ELECTRICAL SERVICE TO THE BUILDING.
- PROVIDE ALL REQUIRED PADS, POSTS, CONDUIT, GROUNDING, ETC. AS REQUIRED FOR A COMPLETE AND OPERATIONAL UTILITY SERVICE.
- ALL EQUIPMENT SHALL BE SIZED TO MEET OR EXCEED THE AVAILABLE SHORT CIRCUIT CURRENT. VERIFY WITH UTILITY COMPANY. FOR BASE BID, ALL DISTRIBUTION EQUIPMENT SHALL BE RATED AS SHOWN ON THE DRAWINGS. CONTRACTOR SHALL VERIFY THIS VALUE WITH UTILITY COMPANY PRIOR TO ORDERING EQUIPMENT.
- VERIFY VOLTAGE AVAILABILITY AND SERVICE ENTRANCE CONFIGURATION WITH UTILITY COMPANY PRIOR TO ORDERING EQUIPMENT.

ELECTRICAL TIE-INS

COORDINATE WITH THE BUILDING OWNER FOR THE FURNISHING OF ELECTRICAL POWER FOR THE PROJECT

OPENINGS

- PROVIDE ALL REQUIRED OPENINGS THROUGH WALLS, CEILINGS AND FLOORS. ALL DISTURBED SURFACES OR FINISHES MUST BE REPLACED OR REPAIRED TO THE ARCHITECT'S SATISFACTION.
- FIRE SEAL ALL PENETRATIONS THROUGH FIRE RATED WALLS.

CONDUIT

- ALL ELECTRICAL WORK SHALL BE INSTALLED IN A METAL CONDUIT SYSTEM, INCLUDING LOW VOLTAGE WIRING.
- SERVICE ENTRANCE CONDUIT, EXTERIOR CONDUIT AND CONDUIT EXPOSED TO WEATHER AND SHALL BE RIGID GALVANIZED STEEL.
- CONDUIT IN WET LOCATIONS SHALL BE RIGID GALVANIZED STEEL.
- UNDERGROUND FEEDER AND UNDERGROUND BRANCH CONDUITS SHALL BE RIGID GALVANIZED STEEL OR SCHEDULE 40 PVC AS PERMITTED BY CODE. RIGID GALVANIZED STEEL CONDUIT SHALL BE USED FOR MAKING FINAL TURNS OUT OF EQUIPMENT PADS AND FINISHED FLOOR. EXTERIOR UNDERGROUND CONDUITS SHALL BE INSTALLED 36" BELOW GRADE. CONDUIT BELOW CONCRETE FLOOR SLAB SHALL BE A MINIMUM OF 6" BELOW BOTTOM OF SLAB.

ALL CONDUIT IN DRY LOCATIONS SHALL BE EMT.

MINIMUM SIZE CONDUIT ABOVE GRADE SHALL BE 1/2". MINIMUM SIZE CONDUIT BELOW GRADE SHALL BE 3/4".

ALL CONDUITS SHALL BE INDEPENDENTLY SUPPORTED. CONDUITS SHALL NOT BE SUPPORTED FROM MECHANICAL SYSTEMS OR CEILING SUSPENSION WIRES.

ALL CONDUITS SHALL BE CONCEALED UNLESS SPECIFICALLY NOTED OTHERWISE. WHERE EXPOSED, CONDUITS SHALL BE RUN IN STRAIGHT LINES PARALLEL AND/OR PERPENDICULAR TO BUILDING CONSTRUCTION.

WIRE (120V AND ABOVE):

- ALL WIRE SHALL BE COPPER WITH 600V INSULATION. CONDUCTORS SHALL BE STRANDED FOR SIZES NO. 8 AWG AND LARGER, SOLID FOR SIZES NO. 10 AWG AND SMALLER.
- TYPE THWN SHALL BE USED INDOORS NOT INCLUDING SERVICES.
- TYPE XHHW SHALL BE USED BELOW SLABS, SERVICE ENTRANCES AND EXTERIOR UNDERGROUND WORK, INCLUDING SITE LIGHTING.
- MINIMUM SIZE SHALL BE #12. RUNS OVER 75' SHALL BE MINIMUM #10 UNLESS NOTED OTHERWISE.

SPLICES AND TERMINATIONS

- ALL SPLICES AND PIGTAIL CONNECTIONS FOR INDOOR AND DRY LOCATIONS FOR CABLE SIZES NUMBER 10 AWG AND SMALLER SHALL BE MADE UP WITH PREINSULATED SPRING CONNECTORS, 3M COMPANY "SCOTCHLOCK," IDEAL INDUSTRIES, INC., WIRENUTS, OR APPROVED EQUAL. SPLICES FOR CABLE SIZES NUMBER 8 AWG AND LARGER SHALL BE BUTT SPLICE TYPE CONSISTING OF LONG BARREL COPPER ONLY TYPE COMPRESSION CONNECTOR. SPLICE SHALL BE COVERED WITH EITHER A COLD SHRINK CONNECTOR INSULATOR OR HEAT SHRINK CONNECTOR INSULATOR.
- ALL SPLICES OUTDOORS, ABOVE GRADE, SUCH AS IN LIGHT POLES, SHALL BE A WATERPROOF TWIST CONNECTOR. IDEAL WEATHERPROOF OR EQUAL.
- ALL SPLICES OUTDOORS BELOW GRADE, SUCH AS IN UNDERGROUND PULL BOXES, SHALL BE MADE USING MOISTURE RESISTANT GEL ENCAPSULATED SPLICE KIT. ACCEPTABLE MANUFACTURERS SHALL BE NSI EASY SPLICE GEL TAP SPLICE OR RAYCHEM GTAP OR GHFC. WATERPROOF WIRE NUT CONNECTORS ARE NOT ACCEPTABLE.

BRANCH WIRING:

- CONDUITS AND BOXES SHALL BE CONCEALED WHEREVER POSSIBLE.
- CONNECT EQUIPMENT AND DEVICES TO THE CIRCUITS AND SWITCH LEGS SHOWN.
- ARCS SHOWN ON DRAWINGS REPRESENT SWITCH ARRANGEMENT ONLY, AND ARE NOT INTENDED TO SHOW CONDUIT ROUTINGS.
- EACH CIRCUIT SHALL HAVE AN INDEPENDENT NEUTRAL.
- AMPACITIES OF CONDUCTORS WHEN MORE THAN THREE (3) CURRENT CARRYING CONDUCTORS ARE PLACED IN A RACEWAY SHALL BE DERATED PER CODE.
- WHERE WIRE SIZES MUST BE INCREASED TO LIMIT VOLTAGE DROP, CONTRACTOR SHALL COORDINATE TERMINAL SIZES AT TERMINATIONS.

WIRING DEVICES:

- WIRING DEVICES SHALL BE 20 AMPERE, UL/FED SPEC LISTED, BACK AND SIDE WIRED, WITH COLOR AS SELECTED AND APPROVED BY THE ARCHITECT.
- COVER PLATES IN FINISHED AREAS SHALL BE NYLON WITH COLOR AS SELECTED AND APPROVED BY THE ARCHITECT. PROVIDE COMMON COVER PLATE FOR GANGED DEVICES. COVERS FOR SURFACE MOUNTED BOXES SHALL BE APPROPRIATE FOR THE BOX TYPE.
- FOR RECEPTACLES IN EXTERIOR LOCATIONS, PROVIDE CAST ALUMINUM WHILE-IN-USE WEATHERPROOF COVERS, HUBBELL #WP26E.
- MOUNTING HEIGHTS SHALL BE AS FOLLOWS: RECEPTACLES 18" AFF, SWITCHES 48" AFF, RECEPTACLES ALONG COUNTER TOP 6" ABOVE COUNTER. VERIFY ALL MOUNTING HEIGHTS WITH ARCHITECT & LATEST ADA REQUIREMENTS PRIOR TO INSTALLATION.
- CONDUCTORS SHALL BE ATTACHED TO DEVICES BY MEANS OF SCREW TERMINALS OR SCREW CLAMPS.
- WIRING DEVICES SHALL BE HUBBELL OR PASS & SEYMOUR CONSTRUCTION SERIES.

LIGHTING CONTROLS:

- CONTRACTOR SHALL PROVIDE ALL NECESSARY DEVICES TO PROVIDE A COMPLETE AND FULLY FUNCTIONAL, CODE COMPLIANT LIGHTING CONTROLS SYSTEM. CONTRACTOR SHALL BE COMPLETELY RESPONSIBLE FOR THE DESIGN, LAYOUT, INSTALLATION, TESTING AND CERTIFICATION OF LIGHTING CONTROL SYSTEM. REQUIRED DEVICES ARE NOT LIMITED TO THOSE SHOWN ON DRAWINGS.
- ALL LIGHTING CONTROL EQUIPMENT INCLUDING ALL OCCUPANCY SENSORS, POWER PACKS, ETC. SHALL BE BY A SINGLE MANUFACTURER. ACCEPTABLE MANUFACTURERS SHALL BE ACUTY, LUTRON, WALLSTOPPER, OR SENSOR SWITCH.
- OCCUPANCY SENSORS SHALL UTILIZE ULTRASONIC AND PASSIVE INFRARED DUAL TECHNOLOGY FOR OCCUPANCY DETECTION.
- OCCUPANCY SENSOR COVERAGE SHALL BE BASED ON THE SENSORS MINOR MOTION RATED COVERAGE.
- OCCUPANCY SENSORS SHALL BE SET TO 20 MINUTES OR AS REQUIRED BY CODE. CONTRACTOR SHALL MAKE ADJUSTMENTS TO THE OCCUPANCY SENSORS TO OWNER'S SATISFACTION.
- FURNISH, INSTALL AND TEST ALL LIGHTING CONTROLS. PROVIDE ALL REQUIRED EQUIPMENT, CONDUIT, BOXES, WIRING, CONNECTORS, HARDWARE, SUPPORTS, ACCESSORIES, PROGRAMMING, ETC. AS NECESSARY FOR A COMPLETE CODE COMPLIANT, OPERATING SYSTEM.

HAND DRYERS:

- HAND DRYERS SHALL BE 120V, CHROME FINISH.
- HAND DRYERS SHALL BE AUTOMATICALLY ACTIVATED AND DEACTIVATED.
- MOUNTING HEIGHTS SHALL BE AS RECOMMENDED BY MANUFACTURER.
- HAND DRYERS SHALL BE EXCEL XLERATOR MODEL# XL-C-120V

MECHANICAL EQUIPMENT, BUILT-IN EQUIPMENT AND CASEWORK:

COORDINATE WITH MECHANICAL CONTRACTOR ALL CONNECTION REQUIREMENTS PRIOR TO ORDERING EQUIPMENT AND ROUGH-IN. THIS SHALL INCLUDE LOCATION, VOLTAGE, CIRCUIT BREAKER, FUSE AND WIRE SIZE, PHASE, CONTROL, MOUNTING HEIGHT, ETC.

LIGHTING FIXTURES:

- FURNISH FIXTURES AND LAMPS AS SPECIFIED IN THE FIXTURE SCHEDULE.
- PROVIDE ADEQUATE SUPPORT FOR ALL FIXTURES.
- EXIT SIGNS SHALL NOT BE SUPPORTED FROM CEILING TILES. SUPPORT FROM STRUCTURE.
- VERIFY MOUNTING HEIGHT OF ALL WALL MOUNTED FIXTURES WITH ARCHITECT PRIOR TO INSTALLATION.

EXIT AND EMERGENCY LIGHTS:

- EXIT AND EMERGENCY FIXTURES SHALL BE UNIT EQUIPMENT TYPE, CONNECTED AS REQUIRED BY CODE. BATTERIES SHALL BE OF SUITABLE RATING AND CAPACITY TO SUPPLY AND MAINTAIN THE TOTAL LOAD FOR A PERIOD OF 1.5 HOURS MINIMUM, WITHOUT THE VOLTAGE APPLIED TO THE LOAD FALLING BELOW 87.5 % OF NORMAL.
- ALL EXIT AND EMERGENCY FIXTURES SHALL BE UL LISTED, AND COMPLY WITH NFPA, NEC, LIFE SAFETY CODE, OSHA, AND LOCAL CODES.
- THE BRANCH CIRCUIT THAT FEEDS UNIT EQUIPMENT SHALL BE CLEARLY IDENTIFIED AT THE DISTRIBUTION PANEL.

TIMER:

- TIMER SHALL BE ELECTRONIC ASTRONOMIC, FULL YEAR, WITH NUMBER OF CHANNELS AND VOLTAGE RATINGS AS INDICATED ON THE DRAWINGS.
- TIMER SHALL BE ENCLOSED IN A LOCKABLE NEMA 1 ENCLOSURE FOR INDOOR APPLICATIONS AND NEMA 3R ENCLOSURE FOR OUTDOOR APPLICATIONS.
- TIMER SHALL BE TORK DZS, DLC, K SERIES OR EQUAL.

METER FITTING:

- SHALL BE RATED AS SHOWN ON THE DRAWINGS.
- ENCLOSURE SHALL BE NEMA TYPE 3R FOR OUTDOOR USE. FURNISH AND INSTALL IN ACCORDANCE WITH UTILITY COMPANY REQUIREMENTS.

DISCONNECT SWITCHES:

- DISCONNECT SWITCHES SHALL BE UL LISTED, HEAVY DUTY, HORSEPOWER RATED, FUSIBLE OR NON-FUSIBLE AS INDICATED ON THE DRAWINGS.
- DISCONNECT SWITCHES SHALL BE RATED AT 240 VOLTS AC FOR 208 VOLTS AC AND 120 VOLTS AC CIRCUITS.
- DISCONNECT SWITCHES SHALL HAVE A SHORT-CIRCUIT RATING OF 100,000 AMPERES RMS.
- DISCONNECT SWITCHES SHALL HAVE THE PROPER NEMA RATING FOR THE AREA IN WHICH THEY ARE INSTALLED.
- EACH DISCONNECT SWITCH SHALL HAVE AN EXTERNAL HANDLE THAT CAN BE PADLOCKABLE IN THE "OFF" POSITION. THE HANDLE OPERATION SHALL BE NON-TEASIBLE, QUICK MAKE-QUICK BREAK.
- ALL CURRENT CARRYING PARTS SHALL BE COPPER. LUGS SHALL BE UL LISTED, MECHANICAL WITH SADDLES, CAST COPPER.
- MANUFACTURED BY GE "H" SERIES, SQUARE D "H" SERIES, OR SIEMENS "VB-2" SERIES.

PANELBOARDS:

- ALL BUSES SHALL BE COPPER.
- BRANCH BREAKERS SHALL BE PLUG-IN TYPE, OR BOLT-ON IF REQUIRED BY LOCAL CODES.
- PANELBOARDS SHALL BE SERVICE ENTRANCE RATED WHERE REQUIRED.
- PROVIDE NAMEPLATE FOR PANEL AND TYPEWRITTEN DIRECTORY FOR EACH PANELBOARD.
- PANELBOARDS SHALL BE MANUFACTURED BY "EATON, SIEMENS, OR SQUARE D. LOAD CENTERS ARE NOT ACCEPTABLE.

MOTOR CONTROLS:

- FURNISH AND INSTALL ALL DISCONNECT SWITCHES, CONTROLLERS, STARTERS, RELAYS, CONTROL TRANSFORMERS AND CONTROLS AS REQUIRED FOR A COMPLETE SYSTEM(S).
- PROVIDE CONTROL AND INTERLOCK WIRING, EXCEPT WHERE PROVIDED BY THE TEMPERATURE CONTROLS CONTRACTOR.
- CONTROLLERS SHALL BE PROVIDED FOR EACH AND EVERY PIECE OF MOTORIZED EQUIPMENT WHERE NOT SPECIFIED AS PROVIDED BY OTHERS WITH ASSOCIATED EQUIPMENT.
- HORSEPOWER RATED SWITCHES SHALL BE PROVIDED WITH INTEGRAL OVERLOAD PROTECTION IF MOTOR DOES NOT CONTAIN INTERNAL OVERLOAD PROTECTION.

GROUNDING:

- GROUNDING SHALL COMPLY WITH THE REQUIREMENTS OF THE LOCAL INSPECTION AUTHORITY, WITH CONNECTIONS TO BUILDING STEEL, METAL PIPING SYSTEMS AND GROUND ROD.
- INTERIOR METAL WATER PIPING MORE THAN 5 FEET FROM POINT OF BUILDING ENTRANCE SHALL NOT BE USED AS PART OF THE GROUNDING ELECTRODE SYSTEM OR AS A CONDUCTOR TO INTERCONNECT ELECTRODES THAT ARE PART OF GROUNDING SYSTEM.
- PROVIDE A SEPARATE, INSULATED GROUNDING CONDUCTOR IN EACH FEEDER AND BRANCH CONDUIT, BONDED AT EACH TERMINATION.
- GROUNDING FOR REMOTE BUILDING AND STRUCTURES SHALL COMPLY WITH ARTICLE 250.32.

WATER METER CONDUIT:

PROVIDE EMPTY CONDUIT FROM WATER METER TO REMOTE READOUT AS DIRECTED BY LOCAL UTILITY COMPANY.

IDENTIFICATION

- THE CONTRACTOR SHALL LABEL EQUIPMENT WITH 1/2" DYMO TAPE.
- ALL MAJOR ELECTRICAL EQUIPMENT SHALL BE IDENTIFIED WHICH SHALL INCLUDE MDP, PANELBOARDS, MOTOR STARTERS, DISCONNECT SWITCHES, SWITCHES, ETC.
- PROTECTIVE DEVICES IN MDP'S SHALL BE LABELED WITH THE LOAD SERVED.
- PROVIDE PANEL AND CIRCUIT NUMBER IDENTIFICATION ON ALL JUNCTION AND PULL BOXES.
- APPLY THE FACTORY SUPPLIED ARC FLASH WARNING LABELS TO ALL SWITCHBOARDS AND PANELS AS REQUIRED PER NEC 110.16.
- SERVICE EQUIPMENT SHALL BE LABELED LISTING AVAILABLE FAULT CURRENT.

AS-BUILT DRAWINGS:

- PROVIDE AS-BUILT DRAWINGS

TESTS:

- UPON COMPLETION OF WORK, TEST EACH SYSTEM TO BE FREE OF GROUNDS AND/OR FAULTS. TEST FOR PROPER OPERATION. IF ANY DEFECTS ARE FOUND, TAKE IMMEDIATE ACTION TO REMEDY.
- CHECK ALL FIXTURES FOR BURNT OUT OR DAMAGED LAMPS AND REPLACE.

GUARANTEE:

CONTRACTOR SHALL GUARANTEE ALL EQUIPMENT AND WIRING TO BE FREE FROM MECHANICAL AND ELECTRICAL DEFECTS FOR A PERIOD OF ONE (1) YEAR FROM DATE OF ACCEPTANCE.

SHOP DRAWINGS

SUBMIT SHOP DRAWINGS FOR THE FOLLOWING EQUIPMENT FOR APPROVAL BY THE ENGINEER:

- METERING CABINET
- PANELBOARDS
- WIRING DEVICES
- LIGHT FIXTURES
- EXTERIOR LIGHTING CONTROLLER

FARMER'S MARKET PAVILION
112 W. RUTSEN STREET
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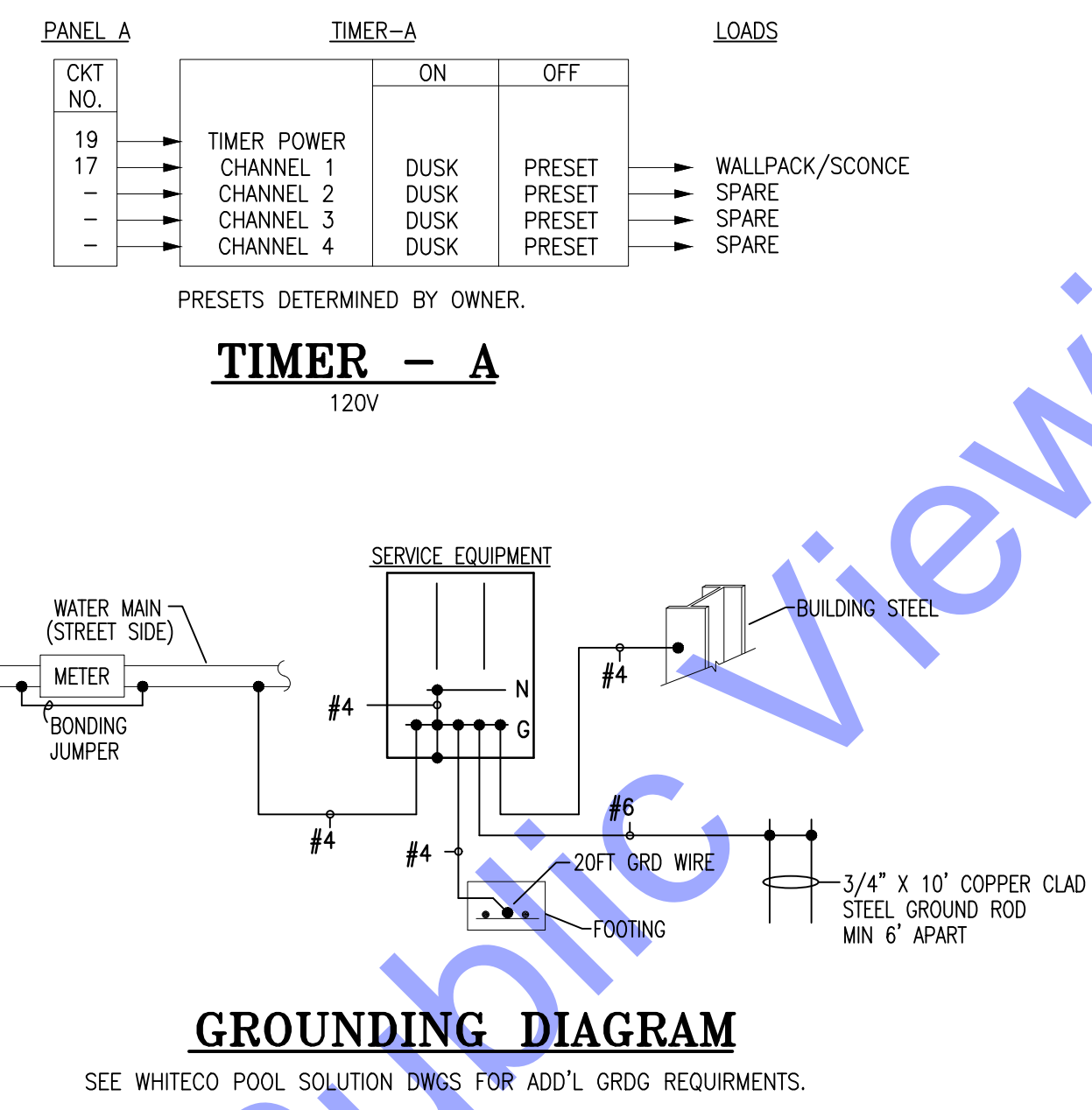
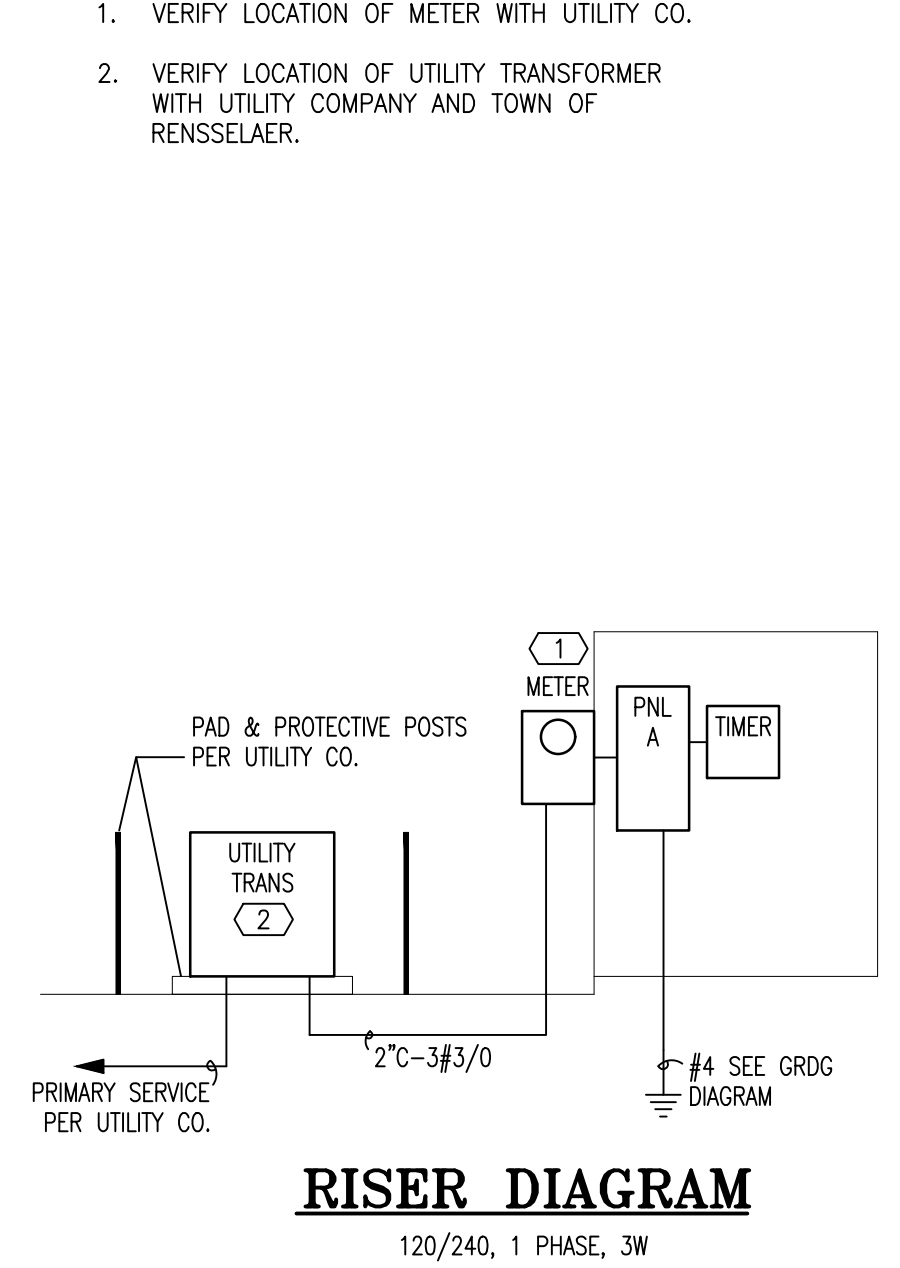
ELECTRICAL
SCHEDULES

SCALE: AS NOTED
PROJECT NO.: 26-883

E-3.0

SHEET NOTES

- VERIFY LOCATION OF METER WITH UTILITY CO.
- VERIFY LOCATION OF UTILITY TRANSFORMER WITH UTILITY COMPANY AND TOWN OF RENSSELAER.



ELECTRICAL SYMBOL LIST

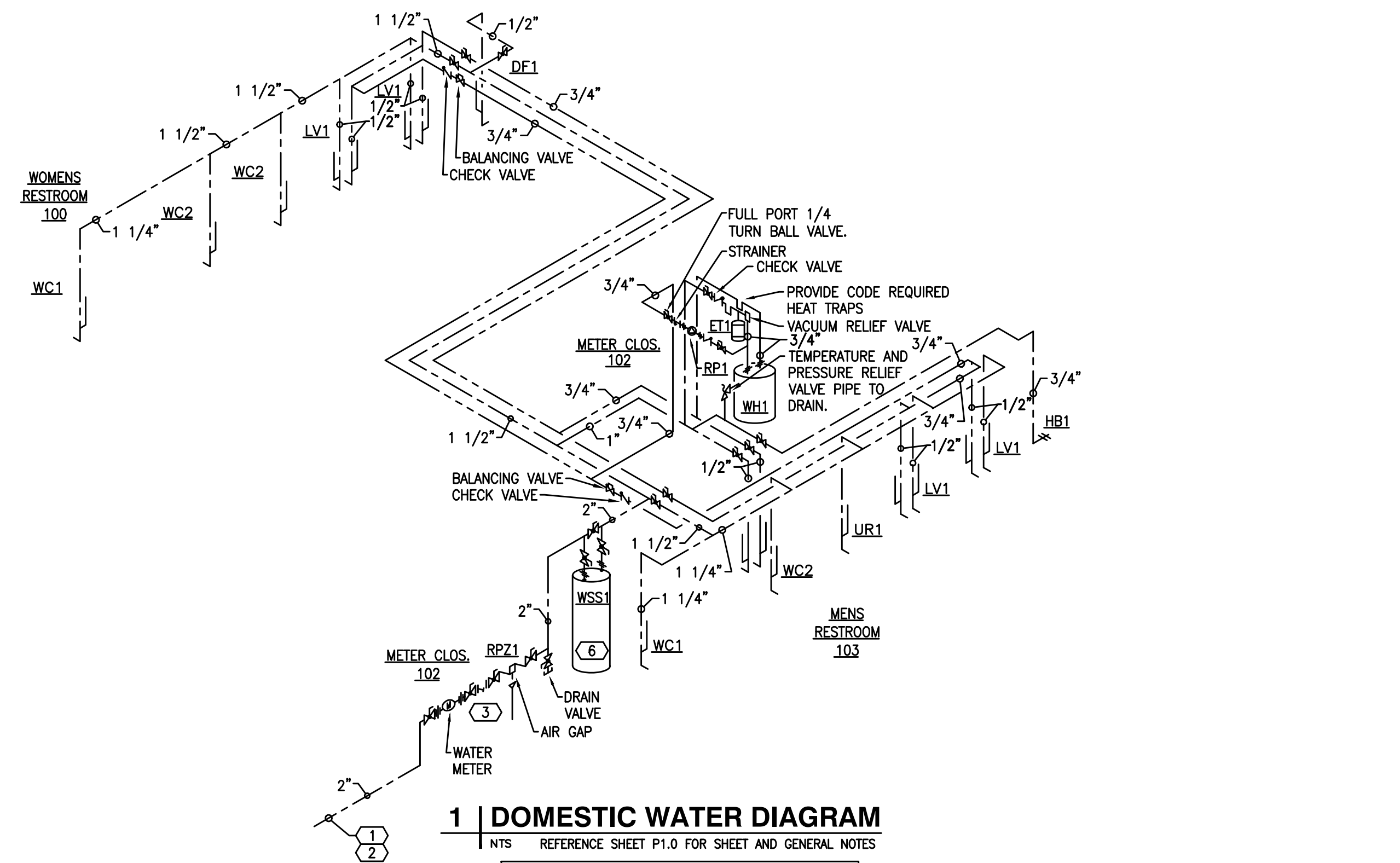
SYMBOL	DESCRIPTION
	DUPLEX RECEPTACLE OUTLET, 20A, 120V "A" DENOTES PANELBOARD, "2" DENOTES CIRCUIT NUMBER OTHER ABBREVIATIONS: UC = UNDERCOUNTER WP = WEATHERCOUNTER WP = WEATHERPROOF WHILE IN USE
	CIRCUIT BREAKER
	GFI RECEPTACLE
	GFI RECEPTACLE MOUNTED ABOVE COUNTER / SINK
	SINGLE POLE SWITCH, 20A, 120V, "Q" DENOTES SWITCH LEG D=DIMMER, K=KEYED SWITCH, P=PILOT LIGHT T=TIMER
	CEILING MOUNTED/WALL MOUNTED OCCUPANCY SENSOR
	POWER PACK
	LIGHTING FIXTURE "A" DENOTES LIGHT FIXTURE TYPE "D" DENOTES PANELBOARD "1" DENOTES CIRCUIT NUMBER "Q" DENOTES SWITCH LEG
	LIGHT FIXTURE ON NIGHT LIGHT OR EMERGENCY CIRCUIT, NL=NIGHT LIGHT
	NEW PANELBOARD, PANEL A
	FUSED DISCONNECT SWITCH
	MECHANICAL / PLUMBING EQUIPMENT CONNECTION "RT-5" DENOTES EQUIPMENT NUMBER, REFER TO MECH OR PLUMB DRAWINGS FOR ELECTRICAL REQUIREMENTS "D5" DENOTES PANEL AND CIRCUIT NUMBER
	GROUNDING ELECTRODE CONDUCTOR TO BLDG STEEL, WATER SERVICE, AND GROUND ROD
	TIMER
	EMERGENCY LIGHT
	EXIT SIGN/EMERGENCY LIGHT
	EXIT SIGN
	EMERGENCY LIGHT FOR EXTERIOR EGRESS
	ELECTRIC HAND DRYER

LIGHTING FIXTURES

TYPE	DESCRIPTION
TYPE AA	4' LINEAR LED, SURFACE MOUNT, HIGH ABUSE FIXTURE, 4000K, 32 WATTS, 3,200 LUMENS, FINISH SELECTED BY ARCHITECT. MOUNT TO CEILING AS REQUIRED. STARTECK STARSHIELD #STS 4 750 SD 40K 80 FINISH SURFACE MOUNTING U OR APPROVED EQUAL
TYPE BA	4' LINEAR LED, SURFACE MOUNT, HIGH ABUSE FIXTURE, 4000K, 80 WATTS, 8,000 LUMENS, FINISH SELECTED BY ARCHITECT. COORDINATE MOUNTING REQUIREMENTS WITH ARCHITECT. ADDITIONAL SUPPORTS MAY BE REQUIRED TO MOUNT FIXTURES. STARTECK STARSHIELD #STS 8 1000 SD 40K 80 FINISH SURFACE MOUNTING U KENALL #EQUAL OR APPROVED EQUAL
TYPE CA	LED ENCLOSED STRIP FIXTURE, 120V, SUSPENDED/ SURFACE MOUNTED. LAMP 28W, 3000 LUMENS, COLOR 4000K. LITHONIA #CSS L48 AL03 347 SWW3 80CRI 4000K OR APPROVED EQUAL
TYPE EM	EMERGENCY LIGHT, SEALED AND GASKETED, COLD WEATHER RATED, TWO LED LAMPS, 10.8 WATTS, FINISH AS SELECTED BY ARCHITECT. LITHONIA #AFO COLOR SD MVOLT N CW OR APPROVED EQUAL
TYPE ER	EMERGENCY LIGHT, SEALED AND GASKETED, COLD WEATHER RATED, TWO LED LAMPS, 10.8 WATTS, FINISH AS SELECTED BY ARCHITECT. LITHONIA #AFO COLOR SD MVOLT N CW OR APPROVED EQUAL
TYPE EY	LED WET LOCATION, GREEN EXIT SIGN EMERGENCY LIGHT COMBO, BATTERY BACK-UP, BATTERY MUST BE SUITABLE FOR COLD WEATHER, WET LOCATION LISTED, FINISH AS SELECTED BY ARCHITECT. LITHONIA #MLIC COLOR G EL SD OR APPROVED EQUAL
TYPE WA	WALL PACK LED, 15 WATTS, 1800 LUMENS, FINISH SELECTED BY ARCHITECT OR OWNER. LITHONIA #MDGE1 P2 40K 80CRI VF SRM FINISH OR APPROVED EQUAL
TYPE SA	WALL SCENCE TO BE SELECTED BY OWNER, LED, 20 WATTS MAX. PER FIXTURE, PROVIDE \$1000 ALLOWANCE EACH + INSTALLATION

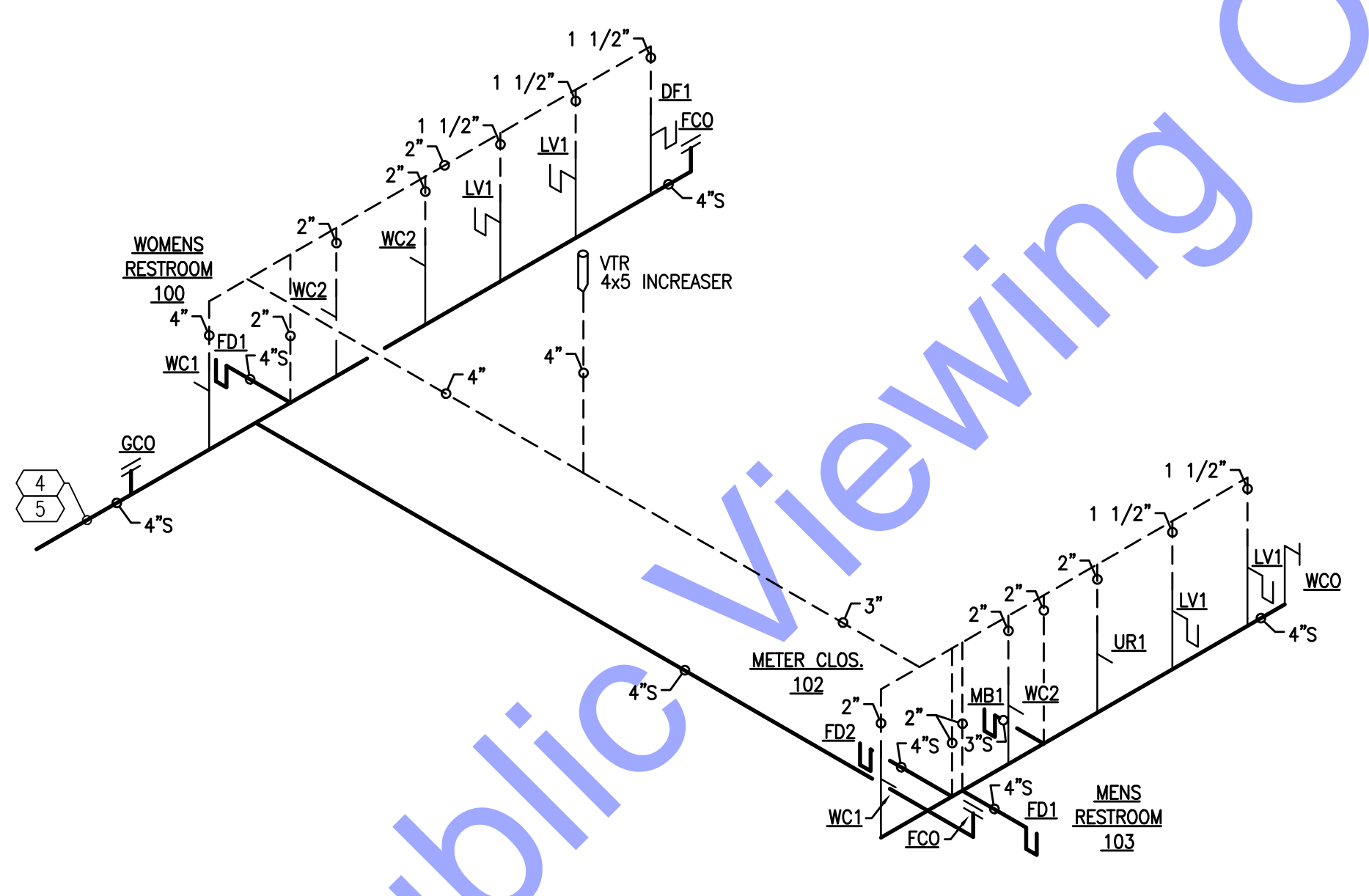
PANELBOARD: A
VOLTAGE: 240/120V, 1 PHASE, 3 WIRE
MANS: 200A MCB
MSKMC SERIES RATED AS A SYSTEM
MOUNTING: SURFACE
FEEDER: SEE RISER DIAGRAM

CKT NO.	LOAD DESCRIPTION	C/B	LOAD VA
1	INTERIOR LITS, EF-1, EF-2	20A/1P	800
3	PAVILLION LITS	20A/1P	1040
5	PAVILLION LITS	20A/1P	1040
7	PAVILLION LITS	20A/1P	1040
9	HAND DRYER	20A/1P	1500
11	HAND DRYER	20A/1P	1500
13	HAND DRYER	20A/1P	1500
15	HAND DRYER	20A/1P	1500
17	EXTERIOR WALLPACK/SCENCE	20A/1P	200
19	TIMER	20A/1P	500
21	SPACE	20A/1P	--
23	SPACE	20A/1P	--
25	SPACE	20A/1P	--
27	SPACE	20A/1P	--
29	SPACE	20A/1P	--
31	SPACE	20A/1P	--
33	SPACE	20A/1P	--
35	SPACE	20A/1P	--
37	SPACE	20A/1P	--
39	SPACE	20A/1P	--
41	SPACE	20A/1P	--
2	WH-1	30A/1P	2500
4	WSS1	20A/1P	500
6	EH-1	20A/2P	1500
8	EH-2	20A/1P	750
10	EH-2	20A/1P	750
12	EH-3	20A/1P	750
14	DF1	20A/1P	200
16	RECEPTACLES	20A/1P	720
18	RECEPTACLES	20A/1P	720
20	RECEPTACLES	20A/1P	720
22	RECEPTACLES	20A/1P	360
24	RECEPTACLES	20A/1P	360
26	RP-1	20A/1P	100
28	SPACE	20A/1P	--
30	SPACE	20A/1P	--
32	SPACE	20A/1P	--
34	SPACE	20A/1P	--
36	SPACE	20A/1P	--
38	SPACE	20A/1P	--
40	SPACE	20A/1P	--
42	SPACE	20A/1P	--
TOTALS PER PHASE			11170/10130
TOTAL (KVA)			21.3
MAX AMPS			93



1 DOMESTIC WATER DIAGRAM
 NTS REFERENCE SHEET P1.0 FOR SHEET AND GENERAL NOTES

THERE WILL BE NO HEAT DURING THE WINTER MONTHS IN ALL SPACES EXCEPT THE METER CLOSET 102. PLUMBING CONTRACTOR SHALL PROVIDE DRAIN DOWN PROVISIONS FOR ALL WATER PIPING FOR WINTERIZATION. SANITARY SEWER AND TRAPS TO BE LOCATED AS DEEP AS POSSIBLE BASED ON SITE CIVIL PROPOSED SANITARY SEWER INVERT TO BE BELOW THE FROST LINE. REFERENCE CIVIL ENGINEER DRAWINGS FOR INVERT INFORMATION.



2 SANITARY & VENT DIAGRAM
 NTS REFERENCE SHEETS P1.0 FOR SHEET AND GENERAL NOTES

THERE WILL BE NO HEAT DURING THE WINTER MONTHS IN ALL SPACES EXCEPT THE METER CLOSET 102. PLUMBING CONTRACTOR SHALL PROVIDE DRAIN DOWN PROVISIONS FOR ALL WATER PIPING FOR WINTERIZATION. SANITARY SEWER AND TRAPS TO BE LOCATED AS DEEP AS POSSIBLE BASED ON SITE CIVIL PROPOSED SANITARY SEWER INVERT TO BE BELOW THE FROST LINE. REFERENCE CIVIL ENGINEER DRAWINGS FOR INVERT INFORMATION.

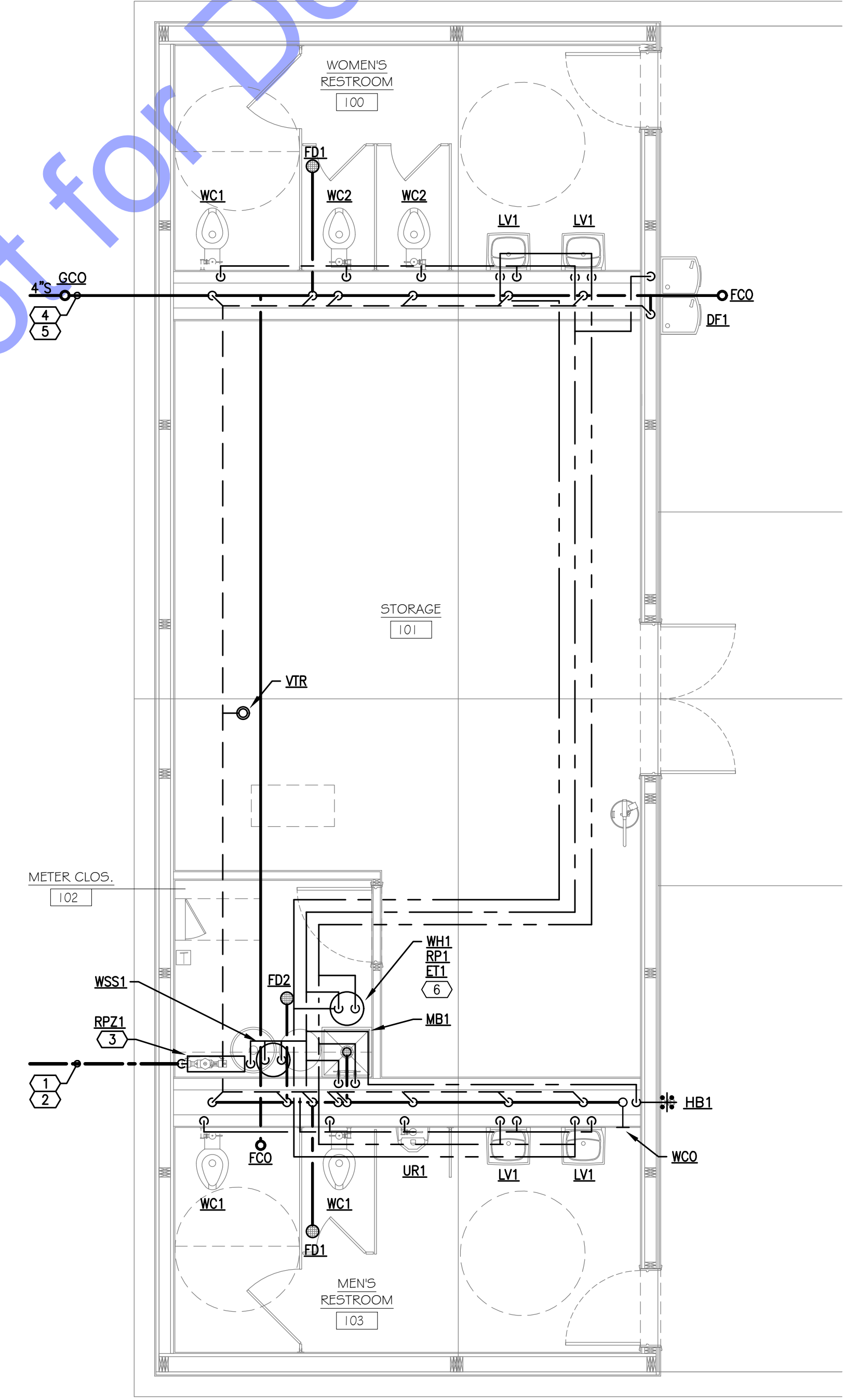
PLUMBING SYMBOL LIST

SYMBOL	DESCRIPTION
---	PIPING - COLD WATER - POTABLE
---	PIPING - COLD WATER - POTABLE - UNDERGROUND
---	PIPING - HOT WATER - POTABLE
---	PIPING - HOT WATER - POTABLE - RETURN
---	PIPING - SANITARY WASTE VENT - UNDERGROUND
---	PIPING - SANITARY WASTE VENT - SUSPENDED
---	PIPING - SANITARY WASTE - UNDERGROUND
---	PIPING - SANITARY WASTE - SUSPENDED
S	---

FIXTURE CONNECTION SCHEDULE

FIXTURE	HW	CW	WASTE	VENT
WATER CLOSET (FLUSH VALVE)		1"	4"	2"
URINAL		3/4"	2"	1 1/2"
LAVATORY	1/2"	1/2"	1 1/2"	1 1/2"
MOP SERVICE BASIN	1/2"	1/2"	3"	1 1/2"
DRINKING FOUNTAIN / EWC		1/2"	1 1/2"	1 1/2"

SIZES SHOWN ARE MINIMUM PIPE SIZES TO A SINGLE FIXTURE.



- SHEET NOTES**
- PROVIDE UNDERGROUND BUILDING WATER SERVICE PIPING AND CONNECTION FROM NEW BUILDING TO 5'-0" OUTSIDE BUILDING TO UNDERGROUND WATER SERVICE PIPING PROVIDED BY SITE PLUMBING CONTRACTOR. VERIFY EXACT ROUTING OF WATER SERVICE PRIOR TO INSTALLATION. REFERENCE CIVIL ENGINEERS DRAWINGS FOR CONTINUATION.
 - 68.75 W.S.F.U. @ 57.0 GPM CONNECTED TO PROPOSED 2" WATER SERVICE METER GOOD FOR 249 W.S.F.U @ 101 GPM. (flushvalve)
 - DOMESTIC WATER SERVICE LINE-UP. - COORDINATE LOCATION WITH ALL TRADES PRIOR TO INSTALLATION. NEW DOMESTIC WATER SERVICE INCLUDING SHUTOFF, METER, RPZ AND UNIONS. COORDINATE WITH THE LOCAL WATER PROVIDER. SEE RISER DIAGRAM FOR CONTINUATION.
 - PROVIDE UNDERGROUND SANITARY SEWER PIPING AND CONNECTION FROM NEW BUILDING TO 5'-0" OUTSIDE BUILDING TO UNDERGROUND SANITARY SEWER PIPING PROVIDED BY SITE PLUMBING CONTRACTOR. VERIFY EXACT ROUTING AND INVERT ELEVATIONS OF SANITARY SEWER PRIOR TO INSTALLATION. REFERENCE CIVIL ENGINEERS DRAWINGS FOR CONTINUATION.
 - PROPOSED 49.5 D.F.U. CONNECTED TO 4" SANITARY SEWER GOOD FOR 180 D.F.U. @ 1/8" SLOPE.
 - WATER SOFTENER SYSTEM - MANUFACTURER TO TEST WATER AT SITE TO DETERMINE EXACT SYSTEM DESIGN REQUIREMENTS.

- GENERAL NOTES:**
- VERIFY EQUIPMENT LOCATIONS AND REQUIREMENTS WITH OTHER TRADES.
 - TYPICAL COORDINATE SHUT-OFF VALVE LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION. PROVIDE ACCESS PANEL FOR VALVES AT INACCESSIBLE CEILING/ WALL LOCATIONS COMPLETE AS REQUIRED.
 - COORDINATE LOCATIONS/ ROUTING OF ALL OVERHEAD PLUMBING PIPING WITH STRUCTURAL AND ALL TRADES PRIOR TO INSTALLATION.
 - REFER TO RISER DIAGRAM FOR ALL PIPE SIZES.
 - VERIFY ALL LOCATIONS OF ALL ROOF PENETRATIONS PRIOR TO INSTALLATION.
 - THE DRAINAGE AND VENT SYSTEM SHALL BE PRESSURE TESTED WITH WATER OR AIR.
 - ISOLATION SHUT-OFF VALVES SHALL BE INSTALLED ON SUPPLY BRANCH PIPES TO PERMIT THE WATER SUPPLY TO ALL EQUIPMENT AND/OR FIXTURES IN EACH SEPARATE ROOM TO BE SHUT OFF WITHOUT INTERFERING WITH THE WATER SUPPLY TO ANY OTHER ROOM OR PORTION OF THE BUILDING. THIS REQUIREMENT IS AN ADDITION TO THE REQUIRED INSTALLATION OF EACH FIXTURE OR PIECE OF EQUIPMENT HAVING INDIVIDUAL SHUT-OFF VALVES.
 - ALL LAVATORY FAUCETS FOR PUBLIC USE SHALL BE PROVIDED WITH AN AUTOMATIC SAFETY WATER-MIXING DEVICE AND SHALL COMPLY WITH ASSE 1070 OR 1017-1998.
 - THE PLUMBING INSPECTOR SHALL FIELD VERIFY THE DRAIN, WASTE, VENT, AND WATER DISTRIBUTION SYSTEM SHALL BE PROPERLY SIZED IN ACCORDANCE WITH THE APPROPRIATE TABLES PER CODE.
 - ALL EQUIPMENT AND MATERIALS WITHIN A PLENUM SHALL BE NON-COMBUSTIBLE OR COMPLY WITH ASTM E 84 OR UL 723.
 - COORDINATE ROUTING OF ALL PLUMBING PIPING TO AVOID ROUTING OVER ELECTRICAL EQUIPMENT (DEDICATED ELECTRICAL SPACE).

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REGISTERED PROFESSIONAL ENGINEER
 No. PE19900471
 STATE OF INDIANA

ISSUE FOR:
 4/27/26 BID/PERMIT

PLUMBING
 FLOOR
 PLAN
 SCALE: AS NOTED
 PROJECT NO.: 26-883

P-1.0

PLUMBING SYMBOL LIST

SYMBOL	DESCRIPTION
-----	PIPING - COLD WATER - POTABLE
-----	PIPING - COLD WATER - POTABLE - UNDERGROUND
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-----	PIPING - SANITARY WASTE - UNDERGROUND
-----	PIPING - SANITARY WASTE - SUSPENDED
S	

FIXTURE CONNECTION SCHEDULE

FIXTURE	HW	CW	WASTE	VENT
WATER CLOSET (FLUSH VALVE)	-	1"	4"	2"
URINAL	-	3/4"	2"	1 1/2"
LAVATORY	1/2"	1/2"	1 1/2"	1 1/2"
MOP SERVICE BASIN	1/2"	1/2"	3"	1 1/2"
DRINKING FOUNTAIN / EWC	-	1/2"	1 1/2"	1 1/2"

SIZES SHOWN ARE MINIMUM PIPE SIZES TO A SINGLE FIXTURE.

POTABLE WATER CALCULATION

FIXTURE	WSFU LOAD VALUES			QTY	TOTAL WSFU		
	CW	HW	TOTAL		CW	HW	TOTAL
Bathroom Group - Private Tank	2.7	1.5	3.6	0	0	0	
Bathroom Group - Private Fv	6	3	8	0	0	0	
Bathtub - Private	1	1	1.4	0	0	0	
Bathtub - Public	3	3	4	0	0	0	
Bidet	1.5	1.5	2	0	0	0	
Car Wash	200	0	200	0	0	0	
Clothes Washer - Public	3	3	4	0	0	0	
Clothes Washer - Private	1	1	2	0	0	0	
Coffee Maker	0.25	0	0.25	0	0	0	
Combination Fixture	2.25	2.25	3	0	0	0	
Dishtable	1.5	1.5	2	0	0	0	
Dishwashing machine - Private	0	1.4	1.4	0	0	0	
Dog Wash	2	2	3	0	0	0	
Drinking Fountain	0.25	0	0.25	1	0.25	0.25	
Ice Maker	0.5	0	0.5	0	0	0	
Kitchen Sink - Private	1	1	1.4	0	0	0	
Kitchen Sink - Hotel	3	3	4	0	0	0	
Laundry Tray 1-3	1	1	1.4	0	0	0	
Lavatory - Public	1.5	1.5	2	4	6	8	
Lavatory - Private	0.5	0.5	0.7	0	0	0	
Mop/Service Sink	2.25	2.25	3	1	2.25	2.25	
Pasta Cooker	0.75	0.75	1	0	0	0	
Shower Head - Public	3	3	4	0	0	0	
Shower Head - Private	1	1	1.4	0	0	0	
Sillcock	2.5	0	2.5	1	2.5	2.5	
Sink Dump	0.75	0.75	1	0	0	0	
Sink Hand	1.5	1.5	2	0	0	0	
Sink Kitchen - Private	1.5	1.5	2	0	0	0	
Sink Prep	1.5	1.5	2	0	0	0	
Sink 3 Comp	3	3	4	0	0	0	
Steamer Oven	2	0	2	0	0	0	
Steam Table	0	0.5	0.5	0	0	0	
Tea Brewer	0.25	0	0.25	0	0	0	
Urinal-Public 1" - Public	10	0	10	0	0	0	
Urinal-Public 3/4" - Public	5	0	5	1	5	0	
Urinal-Public Tank - Public	3	0	3	0	0	0	
Washing Machine (8 lbs) - Private	1	1	1.4	0	0	0	
Washing Machine (8 lbs) - Public	2.25	2.25	3	0	0	0	
Washing Machine (15 lbs) - Public	3	3	4	0	0	0	
Water Closet Fv - Public	10	0	10	5	50	50	
Water Closet Tank - Public	5	0	5	0	0	0	
Water Closet Fv - Private	6	0	6	0	0	0	
Water Closet Tank - Private	2.2	0	2.2	0	0	0	
Water Closet Fm Tank - Public/Private	2	0	2	0	0	0	
Water Cooler	0.25	0	0.25	0	0	0	
Water/Ice Station	0.5	0	0.5	0	0	0	
TOTALS					66.00	8.25	68.75

GENERAL PLUMBING NOTES

GENERAL

- IT IS THE PURPOSE AND INTENT OF THE SPECIFICATION, NOTES, AND DRAWINGS, THAT THE CONTRACTOR SHALL FURNISH ALL LABOR AND MATERIAL NECESSARY TO PROVIDE A COMPLETE INSTALLATION OF PLUMBING SERVICES AS INDICATED ON THE PLANS AND AS HEREINAFTER SPECIFIED COMPLETE IN MATERIALS AND FITTINGS AS MAY BE REQUIRED TO MAKE THE WORK COMPLETE FOR THE PURPOSE INTENDED.
- THE DRAWINGS PERTAINING TO THE INSTALLATION GENERALLY INDICATE THE LOCATION OF EQUIPMENT AND OTHER DETAILS NECESSARY TO THE COMPLETE INSTALLATION. BIDDERS SHALL ACQUAINT THEMSELVES WITH THE WORKING CONDITIONS AND MATERIALS REQUIRED TO ENTIRELY COMPLETE THE WORK READY FOR USE.
- ANY CHANGES IN THE LOCATION OF THE EQUIPMENT, ETC., FROM THOSE SHOWN ON THE DRAWINGS SHALL BE MADE WITHOUT CHARGE IF SO DIRECTED BY THE ARCHITECT/OWNER BEFORE INSTALLATION.
- ALL PLUMBING WORK SHALL BE PERFORMED IN A WORKABLE MANNER BY A FULLY LICENSED PLUMBER AND IN FULL ACCORDANCE WITH LOCAL, STATE, AND NATIONAL CODES AND REQUIREMENTS.
- THIS CONTRACTOR SHALL OBTAIN AND PAY FOR ALL LICENSES, PERMITS AND INSPECTIONS FOR ALL WORK COVERED BY THE CONTRACT. ALL CERTIFICATES OF INSPECTION SHALL BE DELIVERED TO THE OWNER.
- ALL CUTTING AND PATCHING WHICH MUST BE DONE IN ORDER THAT THE PLUMBING WORK MAY BE PROPERLY INSTALLED, SHALL BE DONE BY APPROPRIATE TRADESMEN. ALL DISTURBED CONSTRUCTION, SURFACES OR FINISHES MUST BE REPLACED OR REPAIRED TO THE ARCHITECT'S SATISFACTION AT THIS CONTRACTOR'S EXPENSE. UNDER NO CONDITION SHALL STRUCTURAL WORK BE CUT EXCEPT UPON APPROVAL OF THE ARCHITECT.
- PLUMBING CONTRACTOR SHALL FIELD VISIT SITE PRIOR TO BID AND VERIFY ALL EXISTING CONDITIONS AND PLUMBING SYSTEMS TO DETERMINE EXTENT OF WORK. ANY ITEMS NOT SPECIFICALLY INDICATED ON DRAWINGS OR IN SPECIFICATIONS THAT ARE IN CONFLICT WITH CONTRACT WORK SHALL BE BROUGHT TO THE ATTENTION OF ARCHITECT/ENGINEER PRIOR TO BID FOR A DECISION. NO EXTRAS WILL BE ALLOWED FOR LACK OF KNOWLEDGE OF EXISTING CONDITIONS.
- PLUMBING CONTRACTOR SHALL COORDINATE ALL WORK WITH THE OTHER TRADES AND VERIFY DIMENSIONS AND LOCATIONS FROM THE ARCHITECTURAL DRAWINGS, FIELD MEASUREMENTS AND SUPPLIER SHOP DRAWINGS.
- LAYOUT IS DIAGRAMMATIC AND CONTRACTOR SHALL INSTALL EQUIPMENT TO MEET THE FIELD CONDITIONS.
- THIS CONTRACTOR IS RESPONSIBLE FOR THE CONDITION AND PROTECTION FROM DAMAGE OF HIS EQUIPMENT AND SYSTEMS. CONTRACTOR SHALL REPLACE ANY DAMAGED EQUIPMENT AT HIS EXPENSE PRIOR TO FINAL ACCEPTANCE REGARDLESS OF WHO CAUSED THE DAMAGE.
- CONTRACTOR SHALL REMOVE ALL DEBRIS FROM JOB SITE AND LEAVE ALL WORK AND EQUIPMENT IN CLEAN WORKING CONDITION.
- THE PLUMBING CONTRACTOR SHALL NOTE THAT THE ELECTRICAL DESIGN AND DRAWINGS ARE BASED ON THE EQUIPMENT SCHEDULED AND SHOWN ON THESE DRAWINGS. IF THE PLUMBING CONTRACTOR SHOULD SUBMIT FOR REVIEW EQUIPMENT REQUIRING CHANGES TO THE ELECTRICAL DESIGN FOR WHICH THE ELECTRICAL CONTRACTOR WILL REQUEST AN EXTRA, THIS EXTRA WILL BE PAID BY THE PLUMBING CONTRACTOR.
- ALL EQUIPMENT AND INSTALLATION SHALL COMPLY WITH THE CURRENT CODE REQUIREMENTS.
- CONTRACTOR SHALL THOROUGHLY SEAL WALL AND FLOOR PENETRATIONS WITH THE APPROPRIATE MATERIAL TO MEET THE FIRE RATING.
- SUBMIT SHOP DRAWINGS ON ALL EQUIPMENT. THE PLUMBING CONTRACTOR SHALL PROVIDE HIS STAMP OF APPROVAL ON THE SHOP DRAWING SUBMITTALS STATING THAT THEY FULLY COMPLY WITH THE CONTRACT DOCUMENTS. THE GENERAL CONTRACTOR SHALL PROVIDE HIS STAMP OF APPROVAL ON THE SHOP DRAWING SUBMITTALS STATING THAT THEY FULLY COMPLY WITH THE CONTRACT DOCUMENTS. ANY DEVIATION FROM THE CONTRACT DOCUMENTS SHALL BE LISTED IN WRITING SEPARATE FROM THE SHOP DRAWING SUBMITTALS. THE ENGINEER SHALL NOT REVIEW MEANS AND METHODS. ANY MEANS AND METHODS SUBMITTED AS PART OF THE SHOP DRAWING SUBMITTAL ARE OFFICIALLY NOT REVIEWED BY THE ENGINEER.
- PREPARE AND PROVIDE OWNER WITH A SET OF SCALED AS-BUILT DRAWINGS.
- FURNISH TO OWNER A SET OF OPERATION AND MAINTENANCE MANUALS FOR ALL EQUIPMENT.
- PERFORM ALL EXCAVATING AND BACK FILLING REQUIRED FOR PLUMBING WORK.
- ALL EQUIPMENT AND MATERIALS WITHIN A PLENUM SHALL BE NON-COMBUSTIBLE OR COMPLY WITH ASTM E 84 OR UL 723.

WARRANTY/GUARANTEE

- PLUMBING CONTRACTOR SHALL GUARANTEE ALL WORK FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE.
- ALL WARRANTIES FOR BUT NOT LIMITED TO FIXTURES, PIPING AND FAUCETS ARE TO BE HONORED BY CONTRACTOR.

TESTING

- ALL BACKFLOW DEVICES ARE TO BE TESTED AND CERTIFIED PRIOR TO FINAL INSPECTION OR OCCUPANCY.
- A BACKFLOW TESTING OR ANY REQUIRED REPAIRS ON BACKFLOW DEVICES SHALL BE CONDUCTED BY A STATE CERTIFIED INSPECTOR.
- TEST AND SANITIZE ALL PIPING AND EQUIPMENT AS REQUIRED BY THE STATE AND LOCAL AUTHORITY AND GET THEIR WRITTEN APPROVAL PRIOR TO CONCEALMENT.

WATER SERVICE

- PROVIDE WATER METER(S) AS APPROVED BY THE WATER PROVIDER.
- PROVIDE 1/2" CONDUIT(S) FROM THE WATER METER(S) TO THE BUILDING EXTERIOR FOR THE REMOTE WATER READING DEVICE(S).
- PROVIDE REDUCED PRESSURE ZONE BACKFLOW PREVENTER(S) WITH AIR GAP DRAIN PIPED TO FLOOR DRAIN.
- PROVIDE AN EXTERIOR SHUTOFF VALVE AND VALVE BOX APPROVED BY THE LOCAL AUTHORITY ON THE INCOMING DOMESTIC WATER SERVICE.

PLUMBING FIXTURES

- FURNISH AND INSTALL PLUMBING FIXTURES SPECIFIED IN THESE DOCUMENTS.
- INSTALL PLUMBING FIXTURES FURNISHED BY OTHERS.
- ROUGH-IN ALL REQUIRED PIPING AND MAKE FINAL CONNECTION TO ALL FIXTURES. PROVIDE ALL NECESSARY ITEMS REQUIRED TO MAKE CONNECTIONS INCLUDING TRAPS, SUPPLIES, STOPS, ETC.
- ALL EXPOSED TRIM, PIPE, STOPS, SUPPLIES, TRAPS, ETC., SHALL BE BRASS, POLISHED CHROME PLATE.
- INSTALL FIXTURES PER MANUFACTURERS INSTALLATION INSTRUCTIONS AND PER APPLICABLE CODES.
- ALL HANDICAPPED ACCESSIBLE FIXTURES SHALL BE INSTALLED IN COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT.
- PROVIDE HANDLES FOR ADA COMPLIANT FLUSHMETERS AND TANKS ON THE WIDE SIDE OF A TOILET TALL AS REQUIRED.
- FIXTURES SHALL BE INSTALLED LEVEL AND PLUMB AND SECURELY FASTENED TO WALLS, FLOORS, COUNTERTOPS OR CARRIERS.
- ALL FIXTURES WITH HOSE CONNECTIONS SHALL BE EQUIPPED WITH A CODE APPROVED ANTI-SIPHON DEVICE.
- CAULK BETWEEN ALL FIXTURES AND WALLS WITH WHITE SILICON SEALANT, DOW NO. 786 OR EQUAL.
- FURNISH AND INSTALL ALL REQUIRED POWER TRANSFORMERS AND NON-POWER WIRING FOR ELECTRIC FAUCETS AND FLUSH DEVICES.
- SET SHOWER MIXING VALVES AND OTHER ANTI-SCALD DEVICES TO A MAXIMUM 105°F.

PIPING

- PROVIDE SHUT OFF VALVES AT ALL FIXTURES.
- PROVIDE DIELECTRIC FITTINGS WHERE COPPER TUBING JOINS FERROUS METAL.
- ALL WATER PIPE BELOW GRADE SHALL BE TYPE 'K' HARD DRAWN COPPER.
- ALL WATER PIPE ABOVE GRADE SHALL BE TYPE 'L' HARD DRAWN COPPER.
- EACH HOT AND COLD WATER FIXTURE CONNECTION SHALL HAVE A 12 INCH AIR CHAMBER.
- UTILIZE LEAD FREE SOLDER FOR ALL SOLDER JOINTS IN THE WATER DISTRIBUTION AND DWV SYSTEM.
- ALL ABOVE GRADE SOIL, WASTE, STORM AND VENT PIPING SHALL BE: SERVICE WEIGHT CAST IRON - ASTM A74, FITTINGS ASTM C564 COMPRESSION OR ASTM A888/CISPI 3010R CISPI 301 HUBLESS PVC - ASTM D 2665, FITTINGS ASTM D 2949 2" AND SMALLER MAY BE SCH 40 GALVANIZED STEEL WITH THREADED CAST IRON DRAINAGE FITTINGS
- ALL UNDERGROUND SOIL, WASTE, STORM AND VENT PIPING TO 5'-0" OUTSIDE THE BUILDING SHALL BE: SERVICE WEIGHT CAST IRON - ASTM A74, FITTINGS ASTM C564 COMPRESSION OR ASTM A888/CISPI 3010R CISPI 301 HUBLESS PVC - ASTM D 2665, FITTINGS ASTM D 2949.
- PIPING MINIMUM SLOPE: SANITARY, WASTE AND DRAIN LESS THAN 3" - 1/4" PER FOOT. SANITARY, WASTE AND DRAIN 3" TO 6" - 1/8" PER FOOT. SANITARY, WASTE AND DRAIN 8" OR LARGER - 1/16" PER FOOT. STORM TO 6" - 1/8" PER FOOT. STORM 8" OR LARGER - 1/16" PER FOOT.
- PIPE HANGERS FOR SUSPENDED PIPE SHALL BE ADJUSTABLE.
- COPPER PIPE SHALL BE PROTECTED FROM DISSIMILAR METAL HANGERS.
- HANGERS: SWIVEL RING HANGERS - GRINNEL FIG. 69 OR EQUAL. CLEVIS HANGERS - GRINNEL FIG 260 OR EQUAL. PIPE ROLLS - GRINNEL FIG 181 OR EQUAL. TRAPEZOID HANGERS - UNISTRUT PG OR EQUAL.
- HANGER ROD SIZE MINIMUMS: PIPE SIZE HANGER ROD SIZE 2" AND SMALLER 3/8" 2-1/2" AND 3" 1/2" 4" AND 5" 5/8" 6" 3/4" 8" THROUGH 12" 7/8"
- ALL VENTS SHALL BE A MINIMUM OF 10'-0" FROM ANY OUTDOOR AIR INTAKE.
- PROVIDE A CLEANOUT AT, OR NO MORE THAN 4'-0" ABOVE THE BASE OF EACH VERTICAL WASTE, SOIL OR STORM STACK.
- TRAP ALL DRAINS CONNECTED TO SANITARY SOIL OR WASTE SYSTEM.
- PROVIDE CLEANOUTS WHETHER SHOWN OR NOT FOR THE PROPER CLEANING OF THE ENTIRE DRAINAGE SYSTEM AS DESCRIBED IN THE PLUMBING CODE.
- ALL PLUMBING FIXTURES INCLUDING FLOOR DRAINS SHALL BE VENTED TO ATMOSPHERE.
- PROVIDE CHROME PLATED STEEL ESCUTCHEONS ON PIPES PASSING THROUGH WALLS, FLOORS AND CEILINGS OF FINISHED AREAS.
- PROVIDE CODE APPROVED FIRE STOPPING ON ALL PIPES OR EQUIPMENT PASSING THROUGH FIRE RATED ASSEMBLIES.
- PAINT ALL PIPING AND SUPPORTS EXPOSED TO THE ELEMENTS WITH A PRIME COAT AND TWO COATS OF RUSTOLEUM PAINT.
- ALL EXTERIOR BURIED PIPING SHALL BE BELOW THE FROST LINE DEPTH.
- ALL JOINTS AND CONNECTIONS SHALL BE GAS-TIGHT AND WATER-TIGHT AND FULLY COMPLY WITH THE PLUMBING CODE.
- ALL FLOOR DRAINS AND OPEN HUB DRAINS SHALL HAVE DEEP SEAL TRAPS OR AN AUTOMATIC TRAP PRIMER.
- ALL NON-METALLIC SANITARY AND STORM SEWER PIPE LOCATED UNDERGROUND SHALL HAVE A COPPER (12-GAUGE) TRACER WIRE INSTALLED.

INSULATION

- ALL HOT WATER SUPPLY AND RETURN PIPING LESS THAN 1 1/2", FITTINGS AND VALVES SHALL BE INSULATED WITH 1" THICK AP/ARMAFLEX BLACK FLEXIBLE CLOSED-CELL ELASTOMERIC INSULATION IN TUBULAR FORM WITH A SELF-SEAL SYSTEM REINFORCED WITH LAP SEAL TAPE. 0.245 BTU*IN/HR*FT*FT*F @75F MEAN TEMP. FOLLOW MANUFACTURERS INSTALLATION INSTRUCTIONS.
- ALL HOT WATER SUPPLY AND RETURN PIPING 1 1/2" AND LARGER, FITTINGS AND VALVES SHALL BE INSULATED WITH 1 1/2" THICK JOHNS MANVILLE MICRO-LOK HP - FIBERGLASS WITH VAPOR BARRIER JACKET . 0.245 BTU*IN/HR*FT*FT*F @75F MEAN TEMP. FOLLOW MANUFACTURERS INSTALLATION INSTRUCTIONS.
- ALL COLD WATER SUPPLY PIPING LESS THAN 1 1/2", FITTINGS AND VALVES SHALL BE INSULATED WITH 1/2" THICK AP/ARMAFLEX BLACK FLEXIBLE CLOSED-CELL ELASTOMERIC INSULATION IN TUBULAR FORM WITH A SELF-SEAL SYSTEM REINFORCED WITH LAP SEAL TAPE. 0.24 BTU*IN/HR*FT*FT*F @75F MEAN TEMP. FOLLOW MANUFACTURERS INSTALLATION INSTRUCTIONS.
- ALL COLD WATER SUPPLY PIPING 1 1/2" AND LARGER, FITTINGS AND VALVES SHALL BE INSULATED WITH 1" THICK AP/ARMAFLEX BLACK FLEXIBLE CLOSED-CELL ELASTOMERIC INSULATION IN TUBULAR FORM WITH A SELF-SEAL SYSTEM REINFORCED WITH LAP SEAL TAPE. 0.24 BTU*IN/HR*FT*FT*F @75F MEAN TEMP. FOLLOW MANUFACTURERS INSTALLATION INSTRUCTIONS.
- INSULATE ALL FITTINGS AND VALVES.
- ALL INSULATION MATERIALS, JACKETS, ADHESIVES AND SEALERS SHALL HAVE A FLAME SPREAD OF NOT MORE THAN 25 AND A SMOKE DEVELOPED RATING OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E84, NFPA 255 AND UL 723.
- PROVIDE A.D.A. APPROVED INSULATING WRAP SYSTEM AT ADA DESIGNATED FIXTURE.

PLUMBING FIXTURE SCHEDULE

NOTE 1.	VERIFY MANUFACTURER, MODEL NUMBER, STYLE, COLOR, ACCESSORIES, OPTIONS, ETC. WITH ARCHITECT & GENERAL CONTRACTOR PRIOR TO ORDERING, ROUGH-IN, OR INSTALLATION. PROVIDE "HANDICAP" USABLE OPTIONS AS DENOTED ON DRAWINGS.
DF1	DRINKING FOUNTAIN - ELKAY BYCOTLBRWSK, REFRIGERATED, FILTERED, VANDAL-RESISTANT TWO LEVEL BARRIER FREE WITH BOTTLE FILLING STATION, PUSH-BUTTON OPERATED STAINLESS STEEL CABINET, HIGHER UNIT ON RIGHT. PROVIDES 8 GPH AT 50°F IN 90°F AMBIENT, 120V/1PH/60HZ. INSTALL FOR A.D.A. COMPLIANCE.
ET1	EXPANSION TANK - WATTS #PLT-5, 2.1 GALLON TANK VOLUME, 3/4" NPT CONNECTION, FIXED BUTYL BLADDER, CHARGE ON-SITE TO REQUIRED PRESSURE.
FCO	FLOOR CLEAN OUT - ZURN #Z1400-BZ-ZB LEVEL-TROL ADJUSTABLE FLOOR CLEANOUT WITH DURA-COATED CAST IRON BODY, WITH GAS AND WATERTIGHT ABS TAPERED THREAD PLUG, AND ROUND SCORATED SECURED COVER AND FRAME.
FD1	FLOOR DRAIN - ZURN #ZN415-6B, 6" TYPE "B" ROUND ADJUSTABLE LIGHT DUTY NICKEL BRONZE STRAINER TOP WITH SQUARE HEEL PROOF OPENINGS, CAST IRON BODY ASSEMBLY WITH 4" BOTTOM OUTLET. ZURN #Z1000 DEEP SEAL TRAP. "SURE SEAL" ASSE APPROVED TRAP SEALER.
FD2	FLOOR DRAIN - ZURN #ZN415-6B, 6" TYPE "B" ROUND ADJUSTABLE LIGHT DUTY NICKEL BRONZE STRAINER TOP WITH SQUARE HEEL PROOF OPENINGS, SEDIMENT BUCKET, CAST IRON BODY ASSEMBLY WITH 4" BOTTOM OUTLET. ZURN #Z1000 DEEP SEAL TRAP. "SURE SEAL" ASSE APPROVED TRAP SEALER.
GCO	GRADE CLEAN OUT - ZURN #Z1400, LEVEL-TROL, ADJUSTABLE CLEANOUT, DURA-COATED CAST IRON BODY, GAS & WATER TIGHT ABS TAPERED THREAD PLUG, ROUND SCORATED ACCESS COVER WITH FRAME.
HB1	HOSE BIB - ZURN ENCASED WALL HYDRANT #Z1322XL-EZ, NON-FREEZE AUTOMATIC DRAINING FOR FLUSH INSTALLATION, ANTI-SIPHON, NON-FREEZE TYPE INTEGRAL BACKFLOW PREVENTER, COPPER CASING, ALL BRONZE INTERIOR PARTS, COMBINATION 3/4" FEMALE OR 3/4" MALE INLET, OPERATING KEY LOCK.
LV1	LAVATORY - WALL HUNG, AMERICAN STANDARD LUCERNE, VITREOUS CHINA, 4" CENTERS, ADA COMPLIANT. PROVIDE CONCEALED ARMS CARRIER, GRID DRAIN, SLOAN BATTERY POWERED # EBF-650 TUR IR BDT 0.35 CP BOT SENSOR OPERATED ELECTRONIC FAUCET WITH MIXING VALVE. SUPPLIES WITH STOPS. TEMPERING VALVE, SET TO 105°F. CHROME PLATED CAST BRASS BODY P-TRAP WITH CLEANOUT. PLUMBEX PRO-EXTREME UNDERSINK PIPING COVERS. COLOR SELECTED BY ARCHITECT. INSTALL FOR A.D.A. COMPLIANCE.
MB1	MOP BASIN - MUSTEE #63M, 24"x24"x10", DURASTONE, 3" SEAL, #65.700 5/8" HOSE, 5'-0" LONG WITH CLAMP, #65.600 MOP HANGER, CHROME FLAT STRAINER, CHICAGO FAUCET #782-VBCP, WALL MOUNTED CONCEALED FITTING, PAIL HOOK WITH WALL BRACE, ATMOSPHERIC VACUUM BREAKER, 1/2" NPT FEMALE INLETS, 3/4" THREADED HOSE OUTLET.
RP1	RECIRCULATING PUMP - BELL & GOSSETT "BRONZE FOX" PUMP, #BNF-22, 1 GPM, 10 FTHD, AQUASTAT AND TIMER FOR 140°F WATER RECIRCULATION, 2.940 RPM, 120V/1φ/60HZ, 92 W, 0.80 FLA, 9.5 LBS.
RP21	DOMESTIC WATER REDUCED PRESSURE ZONE BACKFLOW PREVENTER - 2" WATTS SERIES #L909-NRS-S, WITH NON-RISING STEM GATE VALVES, BRONZE STRAINER, COMPLETE WITH WATTS #909-AG-F AIR GAP.
UR1	URINAL - AMERICAN STANDARD WASHBROOK #6590.001, VITREOUS CHINA, WALL HUNG, CARRIER, 0.5 GPF, 3/4 INCH TOP SPUD, SLOAN BATTERY POWERED FLUSHMETER VALVE #8186-0.5, COLOR SELECTED BY ARCHITECT. INSTALL FOR A.D.A. COMPLIANCE.
WCO	WALL CLEAN OUT - ZURN #ZN-1441 WITH DURA-COATED CAST IRON BODY, GAS AND WATER TIGHT ABS TAPERED THREAD PLUG, AND ROUND, SMOOTH STAINLESS STEEL WALL ACCESS COVER WITH SECURING SCREW.
WC1	WATER CLOSET - AMERICAN STANDARD AFWALL MILLENNIUM #2257.101, CARRIER MOUNTED, VITREOUS CHINA, FLOWISE, 16.5" RIM HEIGHT, ELONGATED BOWL, 1.6 GPF, 1-1/2" TOP SPUD, SLOAN BATTERY POWERED FLUSHMETER VALVE #8111-1.6, ANTIMICROBIAL SLOW CLOSING OPEN FRONT SEAT LESS COVER, COLOR SELECTED BY ARCHITECT. INSTALL FOR A.D.A. COMPLIANCE.
WC2	WATER CLOSET - AMERICAN STANDARD AFWALL MILLENNIUM #2257.101, CARRIER MOUNTED, VITREOUS CHINA, 15.0" RIM HEIGHT, ELONGATED BOWL, 1.6 GPF, 1-1/2" TOP SPUD, SLOAN BATTERY POWERED FLUSHMETER VALVE #8111-1.6, ANTIMICROBIAL SLOW CLOSING OPEN FRONT SEAT LESS COVER, COLOR SELECTED BY ARCHITECT.
WH1	ELECTRIC WATER HEATER - A.O. SMITH "DURA-POWER" #DEL-10S-2.5, COMPACT MODEL, 6 GALLON CAPACITY, 10 GPH AT 100°F RISE, 2.5 KW, 20.8 FLA, 120V/1φ/60HZ, 41 LBS LESS WATER. VACUUM BREAKER, THERMAL EXPANSION TANK, TEMPERATURE AND PRESSURE RELIEF VALVE, WALL HUNG PLATFORM DRAIN PAN WITH DRAIN FITTING HOLDRITTE #5WH-PM SERIES MOUNTED ABOVE MOP BASIN. WATER HEATER SET TO 140° F. PROVIDE INDIVIDUAL TEMPERING VALVE AT EACH HAND WASHING SINK/ LAVATORY SET TO 105° U.L. LISTED.
WSS1	WATER SOFTENER SYSTEM - CULLIGAN INTERNATIONAL - MANUFACTURER TO TEST WATER AT SITE TO DETERMINE EXACT SOFTENER SYSTEM DESIGN REQUIREMENTS. PEAK FLOW RATE OF 55.0 GPM. SYSTEM SHALL CONSIST OF SOFTENER TANK, MOTOR DRIVEN MAIN OPERATING VALVE AND INTEGRAL CLOCK TIMER. SYSTEM SHALL RESIN, BRINE TANK W/ FLOAT OPERATION FOR A COMPLETE OPERATING SYSTEM. INITIAL FILL OF SALT, CONTROLS, VACUUM BREAKER. PROVIDE OWNER TRAINING FOR INITIAL STARTUP AND SYSTEM OPERATION.

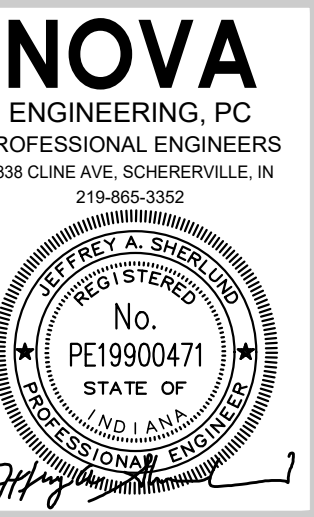
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4/21/26	BID/PERMIT

PLUMBING SCHEDULES

SCALE: AS NOTED
PROJECT NO.: 26-883

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