

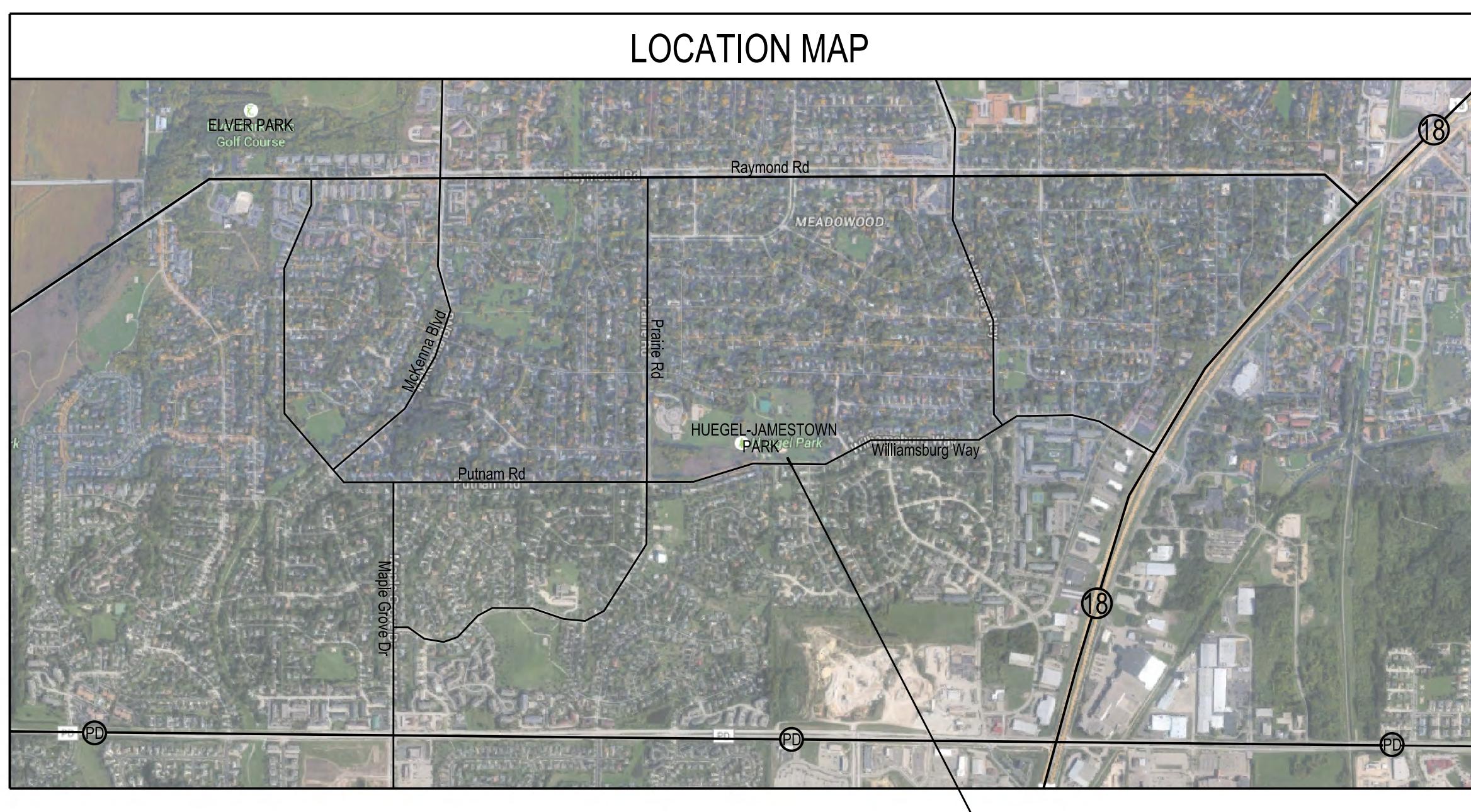


CONTRACT NO. 15-P-101-0

HUEGEL - JAMESTOWN PARK SHELTER CITY OF FITCHBURG FITCHBURG, WISCONSIN

Angus Young
Architecture
Engineering
Interior Design
Balance in Creativity

555 South River Street Janesville, WI 53548-4783
Ph: 608.756.2326 Fx: 608.756.0464
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REGULATORY DATA

PROJECT ADDRESS
5902 WILLIAMSBURG WAY
MADISON, WI 53719

BUILDING CODE
WISCONSIN ENROLLED 2009 IBC

USE AND OCCUPANCY CLASSIFICATION
A-3

GENERAL BUILDING HEIGHT AND AREA
MAXIMUM AREA = 6,000 S.F.
MAXIMUM STORIES = 1
MAXIMUM HEIGHT = 40 FEET

TYPE OF CONSTRUCTION
VB - NON SPRINKLED

SHEET INDEX

GENERAL

G001 COVER SHEET

CIVIL

C100 EXISTING AND DEMOLITION SITE PLAN
C201 SITE LAYOUT AND UTILITY PLAN
C201 SITE GRADING AND EROSION CONTROL PLAN
C601 SITE LIGHTING PHOTOMETRIC PLAN
C801 SITE DETAILS

ARCHITECTURAL

A101 FLOOR PLAN
A102 ROOF PLAN
A401 ELEVATIONS
A501 BUILDING SECTIONS
A502 BUILDING SECTIONS
A701 WALL SECTIONS

STRUCTURAL

S101 FOUNDATION AND SLAB PLAN
S201 ROOF FRAMING PLAN
S301 STRUCTURAL NOTES

PLUMBING

P101 PLUMBING FLOOR PLAN
P401 PLUMBING ISOMETRICS, DETAILS, LEGENDS & SCHEDULES

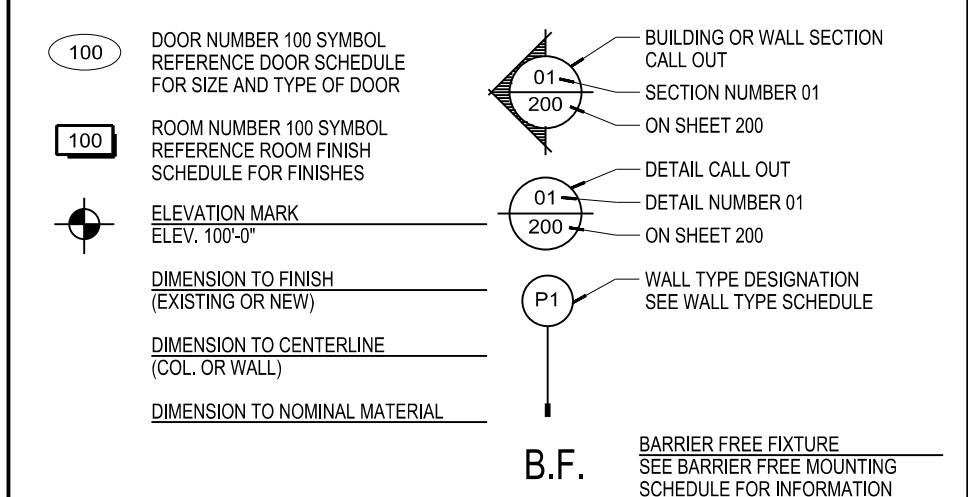
MECHANICAL

M101 MECHANICAL FLOOR PLAN
M201 MECHANICAL PIPING FLOOR PLAN
M301 MECHANICAL DETAILS AND SCHEDULES

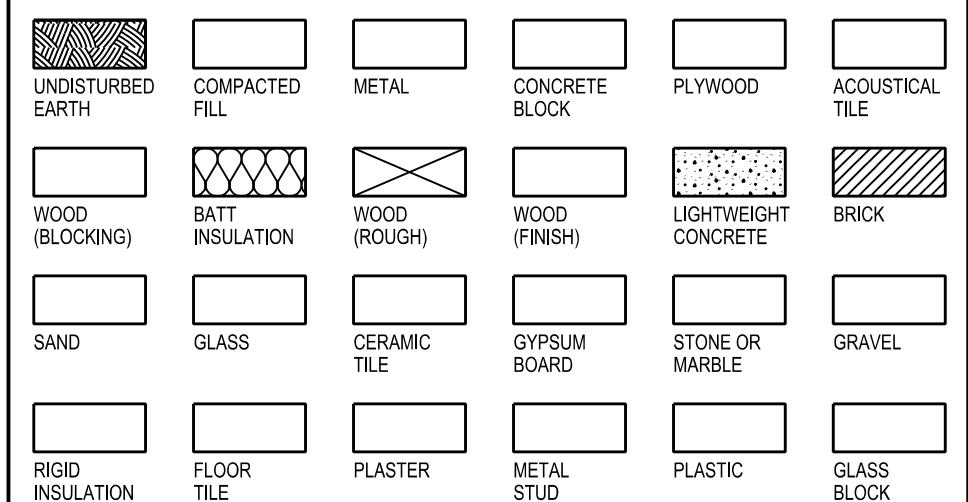
ELECTRICAL

E001 ELECTRICAL SITE PLAN & DETAILS
E101 ELECTRICAL PLANS
E301 ELECTRICAL SCHEDULES & ONE-LINE DIAGRAM

SYMBOL LEGEND



MATERIAL SYMBOL LEGEND



NORTHWEST ELEVATION RENDERING
SCALE: NONE

24	20	16	12	08	04
23	19	15	11	07	03
22	18	14	10	06	02
21	17	13	09	05	01

TITLE BLOCK

DETAILS IN THIS SET ARE PLACED
ON THE SHEETS AND NUMBERED WITH
REFERENCE TO THIS TITLE BLOCK.
CONSEQUENTLY, DETAILS ON A GIVEN
SHEET MAY OR MAY NOT BE
NUMBERED CONSECUTIVELY.

REGISTRATION STAMP AND SIGNATURE

HUEGEL - JAMESTOWN PARK SHELTER CITY OF FITCHBURG

PROJECT NUMBER
56790

REVIEWED BY
JCT

APPROVED BY
BTW

DRAWN BY
BTW

ISSUANCES

DSPS Plan Review - 02/01/2016
BID/CONSTRUCTION - 02/09/2016

REVISIONS

2/8/2016

5:13:51 PM

G001

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SCALE: B&W

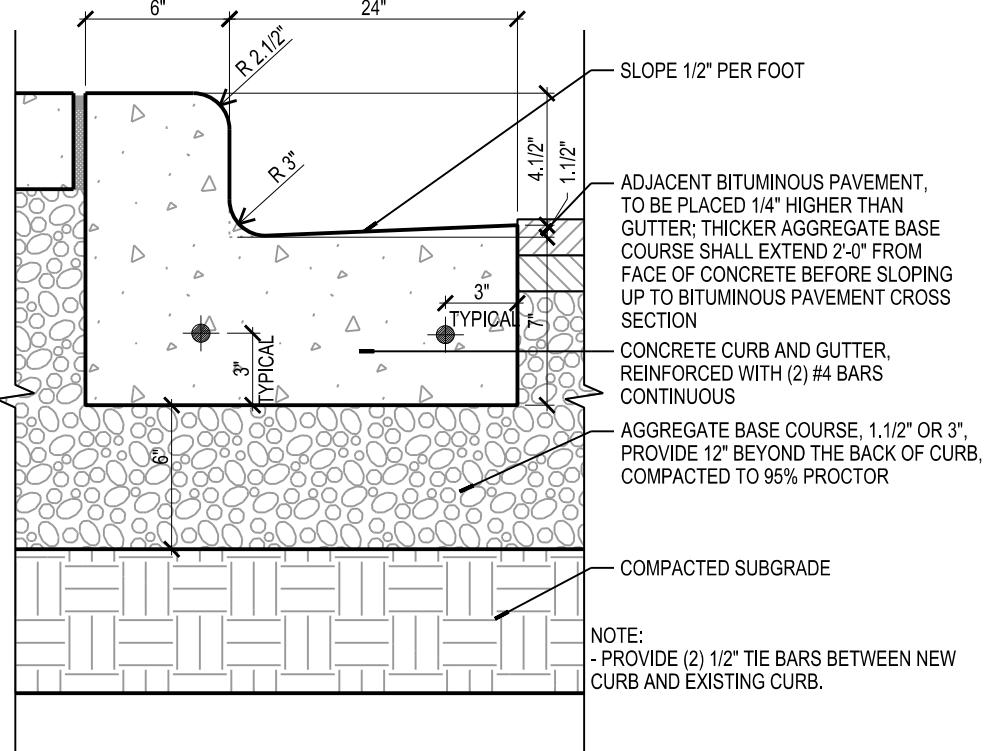
PLOTTED BY:

ORIGINAL SIZE = 24" x 36"
X56790C056790C051.dwg

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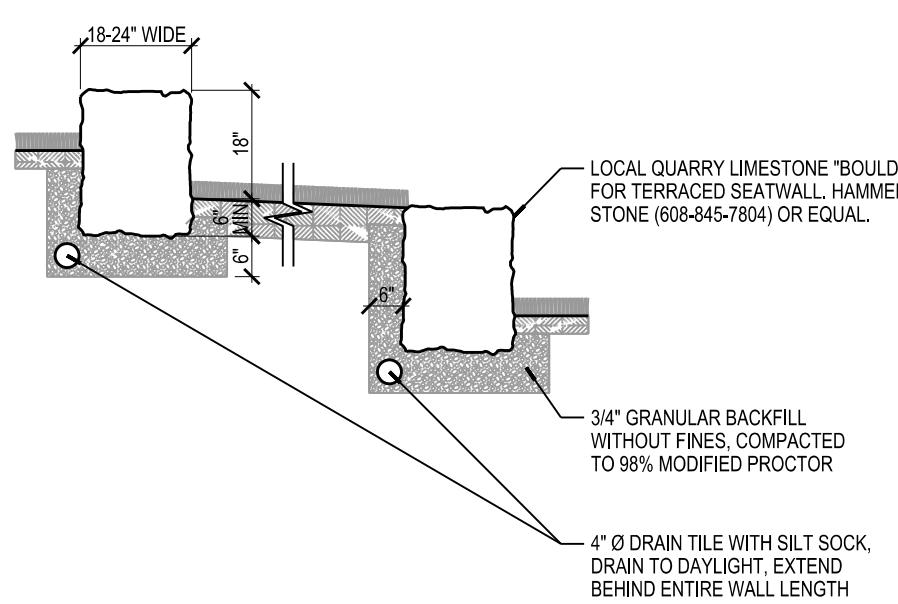
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MILWAUKEE AREA 414-259-1181
FAX A LOCATE 1-800-338-3860
TDD (HEARING IMPAIRED) 1-800-542-2289
ONLINE: www.DiggersHotline.com

WISCONSIN STATUE 162.0175 (1974) REQUIRES A MINIMUM OF THREE (3) WORKING DAYS NOTICE PRIOR TO EXCAVATION.



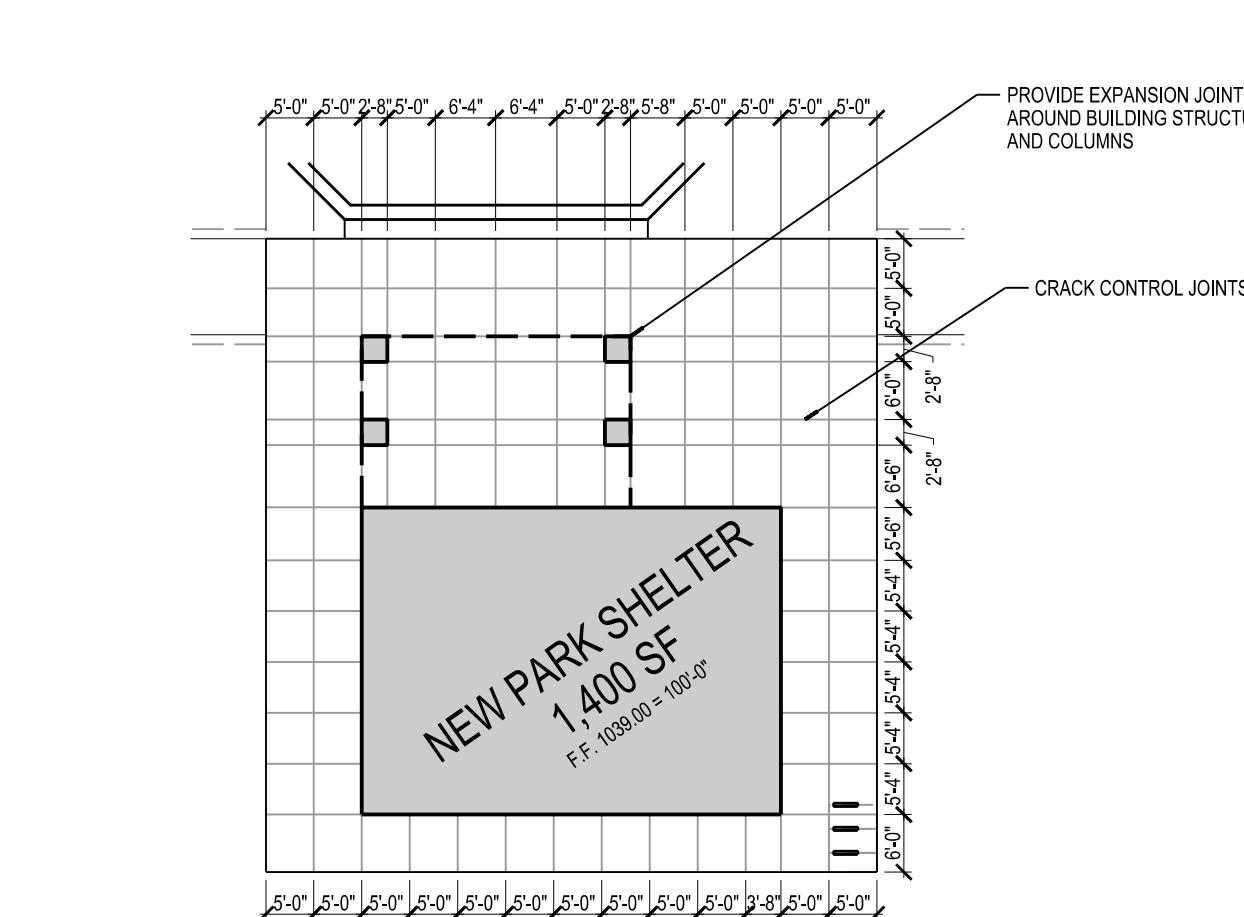
24 C101 CONCRETE 30" CURB & GUTTER

SCALE: 1:12'-1"



23 C101 QUARRY LANNONSTONE SEATWALL

SCALE: 3/8'-1"



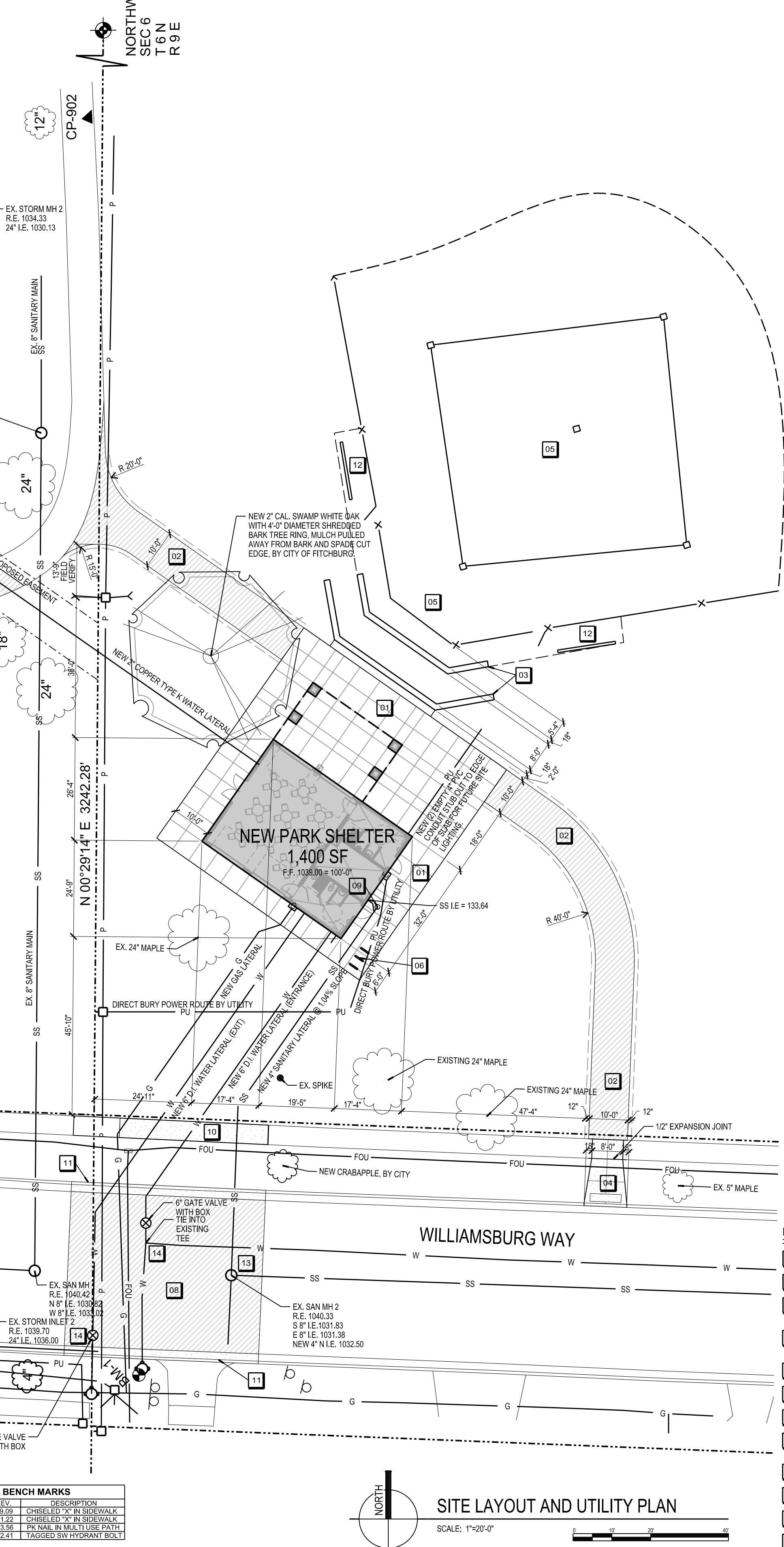
CONCRETE JOINTING PLAN

SCALE: 1:20'-0"

NORTHWEST
SEC 6
T 6 N
R 9 E

CALL TOLL FREE 1-800-242-8511
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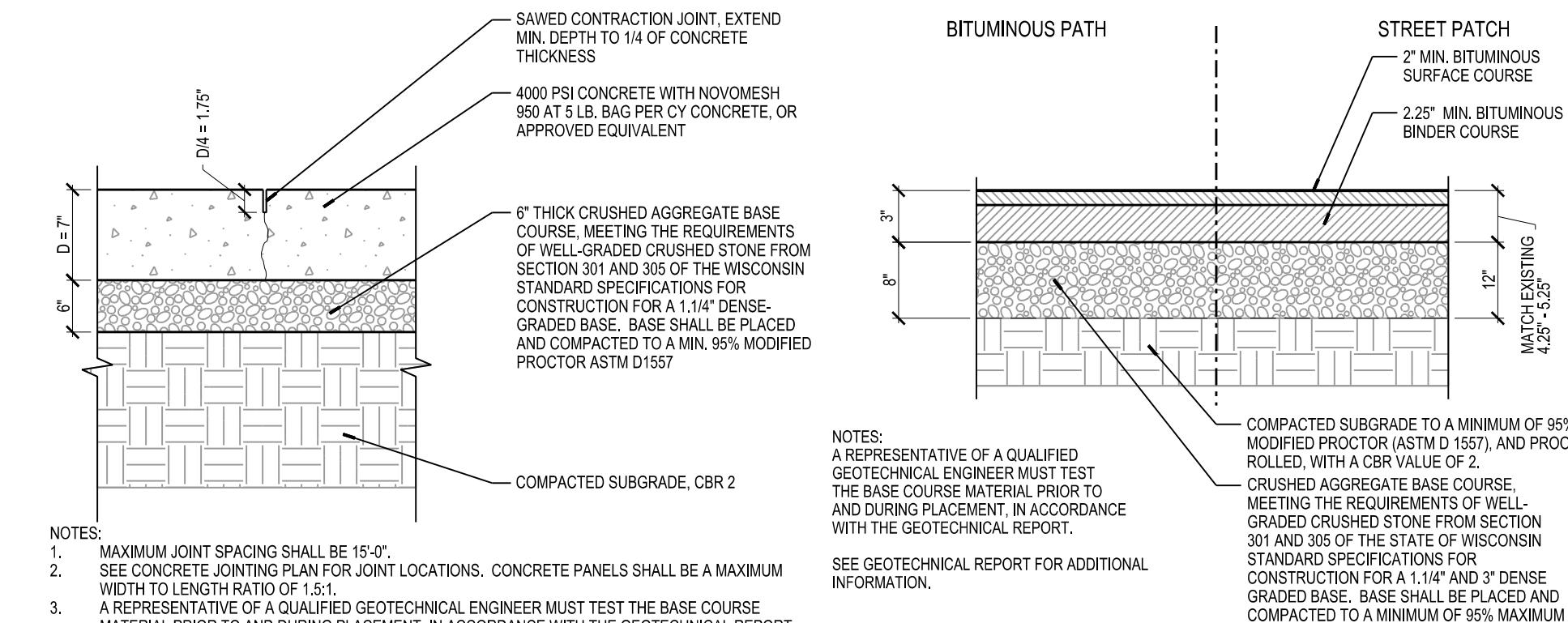


SITE LAYOUT AND UTILITY PLAN

SCALE: 1:20'-0"

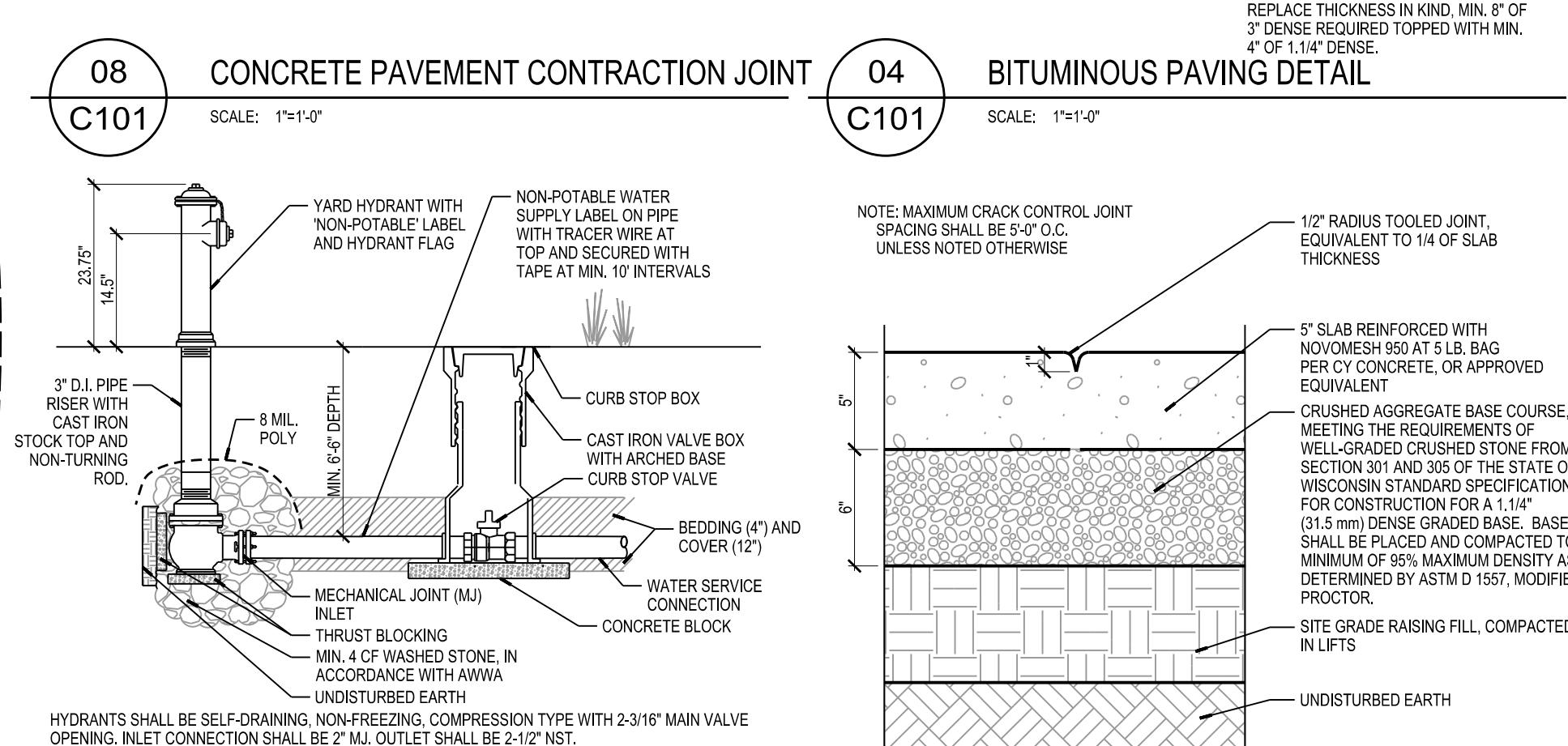
CONTROL POINTS AND BENCH MARKS

CP NO.	DESCRIPTION
CP-900	464208,541 79474,752 1039,09 CHISELED "X" IN SIDEWALK
CP-901	464220,081 79444,139 1041,22 CHISELED "X" IN SIDEWALK
CP-902	464220,429 79444,170 1041,22 CHISELED "X" IN SIDEWALK
BM #01	484193 794520 1042,41 TAGGED SW HYDRANT BOLT



08 C101 CONCRETE PAVEMENT CONTRACTION JOINT

SCALE: 1'-0"



SCALE: 1:20'-0"

PLOTTED BY: Brad W

ORIGINAL SIZE = 24" x 36"
X:\670\2016\56790\6201.dwg

EROSION CONTROL NOTES	
This project is anticipated to disturb approximately 0.47 Acres.	
1	CONSTRUCTION SITE EROSION CONTROL INSPECTION FORMS - CONTRACTOR SHALL COMPLETE AND SUBMIT CONSTRUCTION SITE EROSION CONTROL INSPECTIONS TO PUBLIC WORKS DEPARTMENT ONLINE USING THE PERMITRACK SYSTEM (HTTPS://WWW.MYPERMITRACK.COM/SEHHSV/CLOGIN). THE CITY WILL SET UP THE ACCOUNTS, PROJECT, AND PROVIDE TRAINING AS NEEDED TO PERMITTEE, CONSULTANTS, AND CONTRACTORS.
2	CONSTRUCTION SCHEDULE NOTIFICATION - PERMITTEE SHALL NOTIFY THE FITCHBURG PUBLIC WORKS DEPARTMENT WITHIN 10 DAYS OF INITIAL INSTALLATION OF ALL EROSION CONTROL MEASURES TO ARRANGE AN INSPECTION. NO GRADING OR CONSTRUCTION WORK IS ALLOWED UNTIL THE PERMIT IS APPROVED AND EROSION CONTROL MEASURES HAVE BEEN PUT IN PLACE AND APPROVED BY THE CITY. PERMITTEE SHALL AGAIN CONTACT THE FITCHBURG PUBLIC WORKS DEPARTMENT A MINIMUM OF 2 WORKING DAYS PRIOR TO COMMENCING ANY GRADING OR CONSTRUCTION WORK. LANDOWNER/APPLICANT SHALL NOTIFY THE FITCHBURG PUBLIC WORKS DEPARTMENT OF ANY CHANGES TO THE CONSTRUCTION SCHEDULE AS WORK PROGRESSES.
3	COMPLETION DATE / NOTICE OF STABILIZATION - THE SITE SHALL BE STABILIZED BY THE COMPLETION DATE LISTED ON PAGE 1 OF THE CITY OF FITCHBURG EROSION CONTROL PERMIT. IF THE SITE CAN NOT BE STABILIZED BY THAT DATE, WRITTEN NOTICE SHALL BE GIVEN TO THE FITCHBURG PUBLIC WORKS DEPARTMENT ALONG WITH REVISED STABILIZATION DATE, REVISED USE SPREADSHEET(S) AND REQUEST TO EXTEND THE COMPLETION DATE. IF APPROPRIATE NOTIFICATION IS NOT GIVEN PRIOR TO THE COMPLETION DATE, A NEW PERMIT APPLICATION AND APPROPRIATE FEES MUST BE SUBMITTED FOR ANY REMAINING DISTURBED AREAS WITHIN TEN DAYS AFTER INSTALLATION OF ALL PRACTICES IN THE APPROVED EROSION CONTROL PLAN AND ACHIEVEMENT OF SOIL STABILIZATION, THE PERMITTEE SHALL NOTIFY THE FITCHBURG PUBLIC WORKS DEPARTMENT TO ARRANGE A CONFIRMATION OF PROJECT COMPLETION AND STABILIZATION.
4	INSPECT AND MAINTAIN ALL INSTALLED EROSION CONTROL PRACTICES UNTIL THE PROJECT HAS BEEN ACCEPTED BY OWNER.
5	WHEN POSSIBLE, PRESERVE EXISTING VEGETATION (ESPECIALLY ADJACENT TO SURFACE WATERS), MINIMIZE LAND-DISTURBING CONSTRUCTION ACTIVITY ON SLOPES OF 20% OR MORE, MINIMIZE SOIL COMPACTION, AND PRESERVE TOPSOIL.
6	REFER TO THE WDNR TECHNICAL STANDARDS FOR STORM WATER CONSTRUCTION AT: http://dnr.wi.gov/topic/stormwater/standards/const_standards.html
7	INSTALL PERIMETER CONTROLS AND ROCK CONSTRUCTION ENTRANCE(S) PRIOR TO ANY LAND-DISTURBING ACTIVITIES, INCLUDING CLEARING AND GRUBBING. USE WDNR TECHNICAL STANDARD STONE TRACKING PAD AND TIRE WASHING #1057 FOR ROCK CONSTRUCTION ENTRANCE(S).
8	INSTALL INLET PROTECTION PRIOR TO LAND-DISTURBING ACTIVITIES IN THE TRIBUTARY AREA AND/OR IMMEDIATELY UPSTREAM OF THE INLET. INSTALLATION COMPLY WITH WDNR TECHNICAL STANDARD STORM DRAIN INLET PROTECTION FOR CONSTRUCTION SITES #1060.
9	STAGE CONSTRUCTION GRADING ACTIVITIES TO MINIMIZE THE CUMULATIVE EXPOSED AREA. CONDUCT ROUGH GRADING PER WDNR TECHNICAL STANDARD TEMPORARY GRADING PRACTICES FOR EROSION CONTROL #1067
10	NOTIFY AUTHORITY HAVING JURISDICTION IF DEWATERING IS SCHEDULED TO OCCUR IN AREAS OF SOIL AND/OR GROUNDWATER CONTAMINATION, OR IF DEWATERING WILL OCCUR FROM A HIGH CAPACITY WELL (70 GPM OR MORE). DEWATER ONLY AFTER THE APPROPRIATE WDNR DEWATERING DISCHARGE PERMIT HAS BEEN OBTAINED.

CONSTRUCTION ACTIVITY SEQUENCE / ANTICIPATED SCHEDULE

Construction activities are anticipated to begin April 2016. The general sequence of major construction activities is listed below. Adjustments to this sequence may be required due to site conditions, weather conditions, and contractor schedule.

1 Install silt fence and protect inlets and outlets.	4/1/2016	10/1/2016
Install stone tracking pad and aggregate base for pavement. Perform topsoil removal, mass grading operations. Temporarily seed.		
2 Utility Installation	4/15/2016	6/1/2016
3 Building Construction	4/15/2016	9/1/2016
4 Complete final grading, place base and surface course for pavement areas. Pour concrete.	6/1/2016	6/15/2016
5 Place topsoil as required. Stabilize with mulch and seeding.	6/15/2016	8/15/2016
6 Erosion and sediment control practices removed	8/15/2016	9/1/2016
7 Notice of Stabilization submitted to City of Fitchburg		9/1/2016

- PROVIDE ANTI-SCOUR PROTECTION AND MAINTAIN NON-EROSIVE FLOW DURING DEWATERING. LIMIT PUMPING RATES TO EITHER (A) THE SEDIMENT BASIN/TRAP DESIGN DISCHARGE RATE, OR (B) THE BASIN DESIGN RELEASE RATE WITH THE CORRECTLY-FITTED HOSE AND GEOTEXTILE FILTER BAG. PERFORM DEWATERING OF ACCUMULATED SURFACE RUNOFF IN ACCORDANCE WITH WDNR TECHNICAL STANDARD DE-WATERING #1061.
- REMOVE SEDIMENT FROM BEHIND SILT FENCES AND SEDIMENT BARRIERS BEFORE SEDIMENT REACHES A DEPTH THAT IS EQUAL TO ONE-HALF OF THE FENCE AND/OR BARRIER HEIGHT. INSTALL AND MAINTAIN SILT FENCING PER WDNR TECHNICAL STANDARD SILT FENCE #1056.
- REPAIR BREAKS AND GAPS IN SILT FENCES AND BARRIERS IMMEDIATELY. REPLACE DECOMPOSING STRAW BALES (TYPICAL BALE LIFE IS 3 MONTHS). LOCATE, INSTALL, AND MAINTAIN STRAW BALES PER WDNR TECHNICAL STANDARD DITCH CHECKS #1062.
- IMMEDIATELY STABILIZE STOCKPILES AND SURROUND STOCKPILES WITH SILT FENCE OR OTHER PERIMETER CONTROL IF STOCKPILES WILL REMAIN INACTIVE FOR 7 DAYS OR LONGER.
- STABILIZE AREAS OF FINAL GRADING WITHIN 7 DAYS.
- SWEEP/CLEAN UP ALL SEDIMENT THAT MOVES OFF-SITE DUE TO CONSTRUCTION ACTIVITY OR STORM EVENTS BEFORE THE END OF THE SAME WORKDAY OR AS DIRECTED BY AUTHORITY HAVING JURISDICTION. SEPARATE SWEEP MATERIALS (SOILS AND TRASH) AND DISPOSE OF APPROPRIATELY.
- CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST PER WDNR TECHNICAL STANDARD DUST CONTROL ON CONSTRUCTION SITES # 1068.
- PROPERLY DISPOSE OF ALL WASTE AND UNUSED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS, CLEANING WASTES, OR OTHER CONSTRUCTION MATERIALS) AND DO NOT ALLOW THESE MATERIALS TO BE CARRIED BY RUNOFF INTO THE RECEIVING CHANNEL.
- INSTALL ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES AS NEEDED (SUCH AS TEMPORARY SEDIMENT BASINS, DITCH CHECKS, EROSION CONTROL MATTING, SILT FENCING, FILTER SOCKS, SWALES, ETC.), OR AS DIRECTED BY AUTHORITY HAVING JURISDICTION.
- CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE WDNR REMEDIATION AND WASTE MANAGEMENT REQUIREMENTS FOR HANDLING AND DISPOSING OF CONTAMINATED MATERIALS. SITE-SPECIFIC INFORMATION FOR AREAS WITH KNOWN OR SUSPECTED SOIL AND/OR GROUNDWATER CONTAMINATION CAN BE FOUND ON WDNR'S BUREAU OF REMEDIATION AND REDEVELOPMENT TRACKING SYSTEM (BRRTS) PUBLIC DATABASE AT: <http://dnr.wi.gov/brrt/>

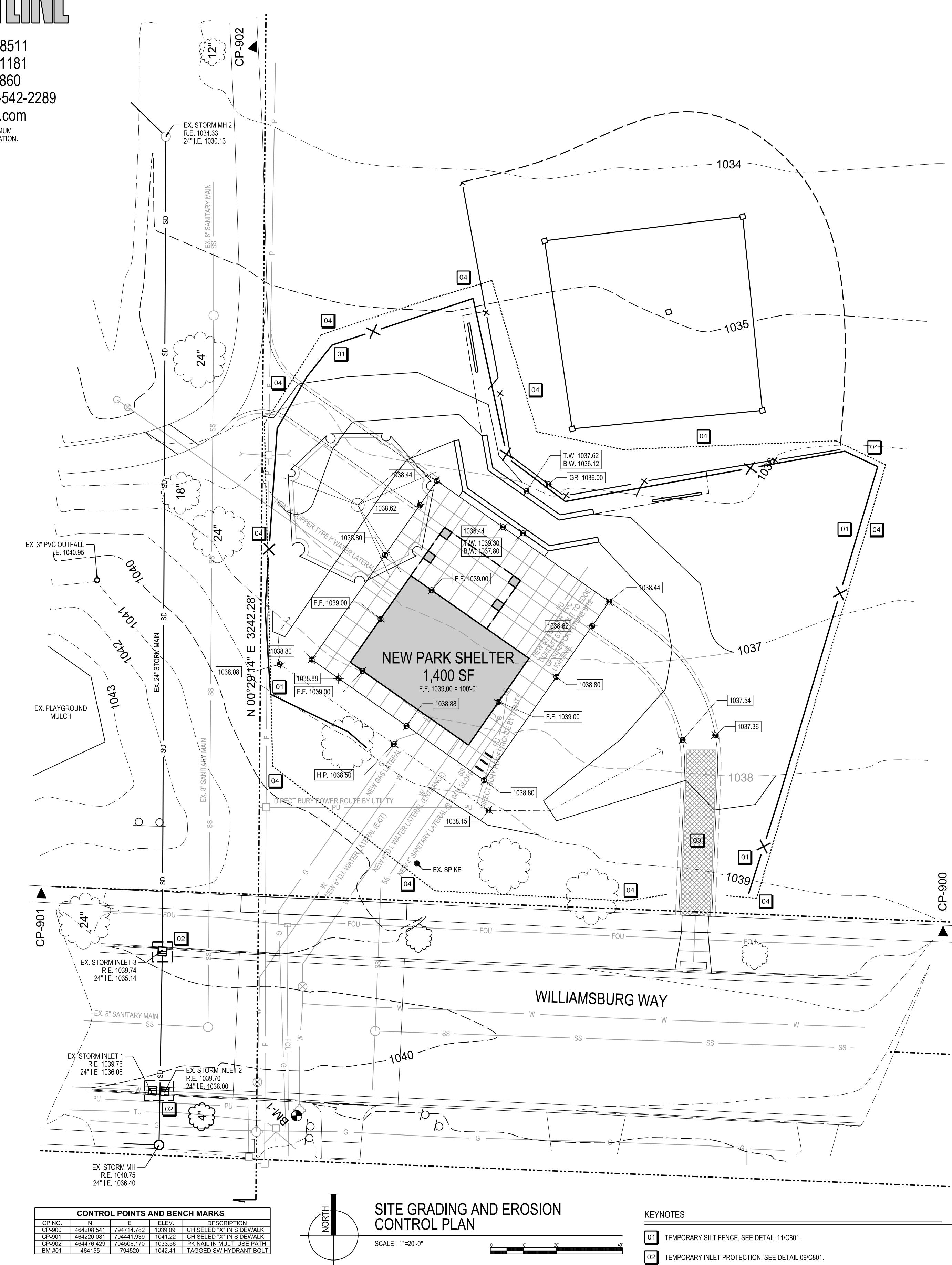
SITE LINE LEGEND	
PROPERTY LINE	-----
SETBACK LINE	- - - - -
EASEMENT LINE	- - - - -
EXISTING INTERMEDIATE CONTOUR	XXX
EXISTING INDEX CONTOUR	XXX
NEW INTERMEDIATE CONTOUR	XXX
NEW INDEX CONTOUR	XXX
PAVEMENT	
SILT FENCE	x x
STORM DRAIN	SD
SANITARY SEWER	SS
WATER	W
GAS	G
ELECTRICAL POWER	P
UNDERGROUND ELECTRICAL POWER	PU
UNDERGROUND TELEPHONE	TU

NOTE: ALL LINE TYPES MAY NOT BE USED IN THIS SET.

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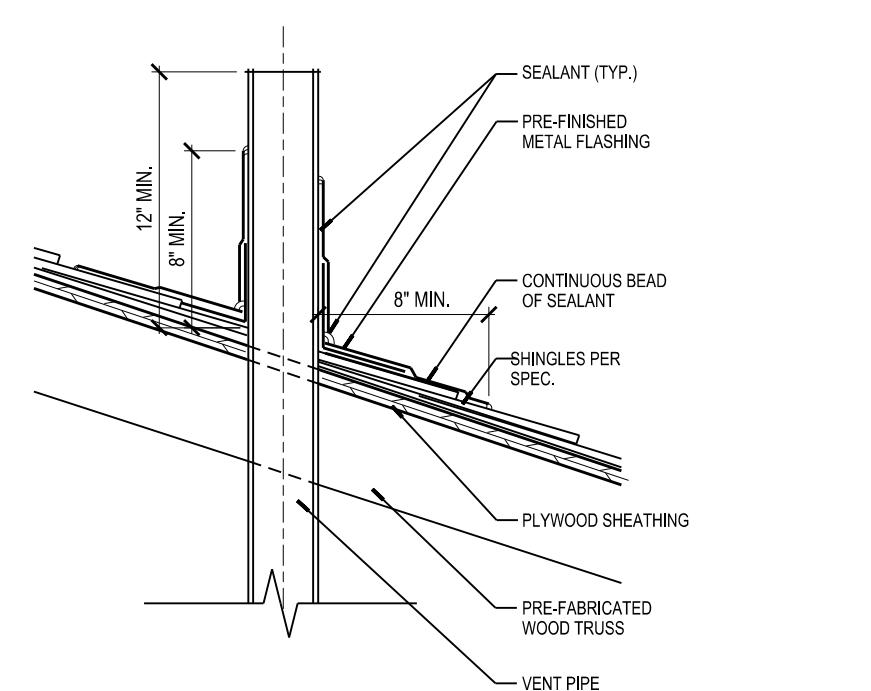
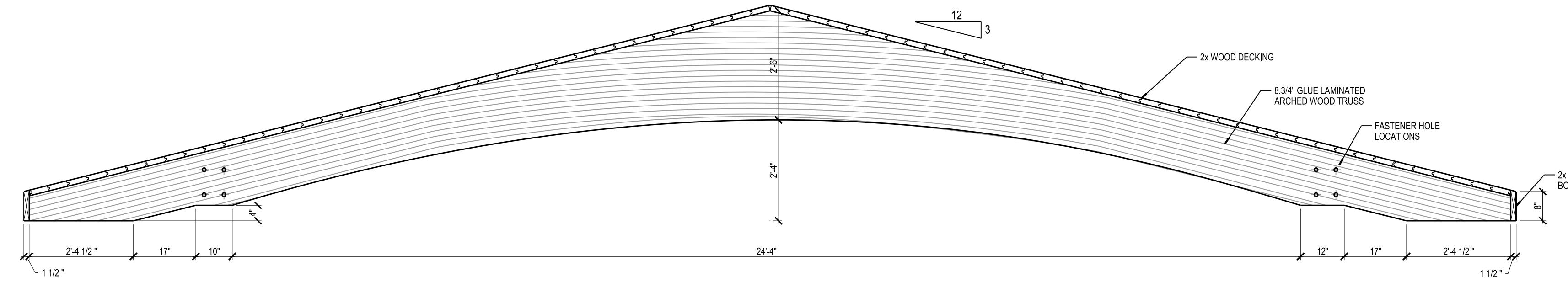
PROJECT NUMBER	REVISIONS
56790	ISSUANCES
APPROVED BY JH	CITY OF MADISON WATER DEPT. REVIEW - 12/07/15
REVIEWED BY JCT	BID CONSTRUCTION - 02/09/2016
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24
A102
LAMINATED SHELTER BEAM DETAIL
SCALE: 1/2"-1'-0"



04
A102
VENT FLASHING DETAIL
SCALE: 1/2"-1'-0"

ROOF VENTILATION NOTES

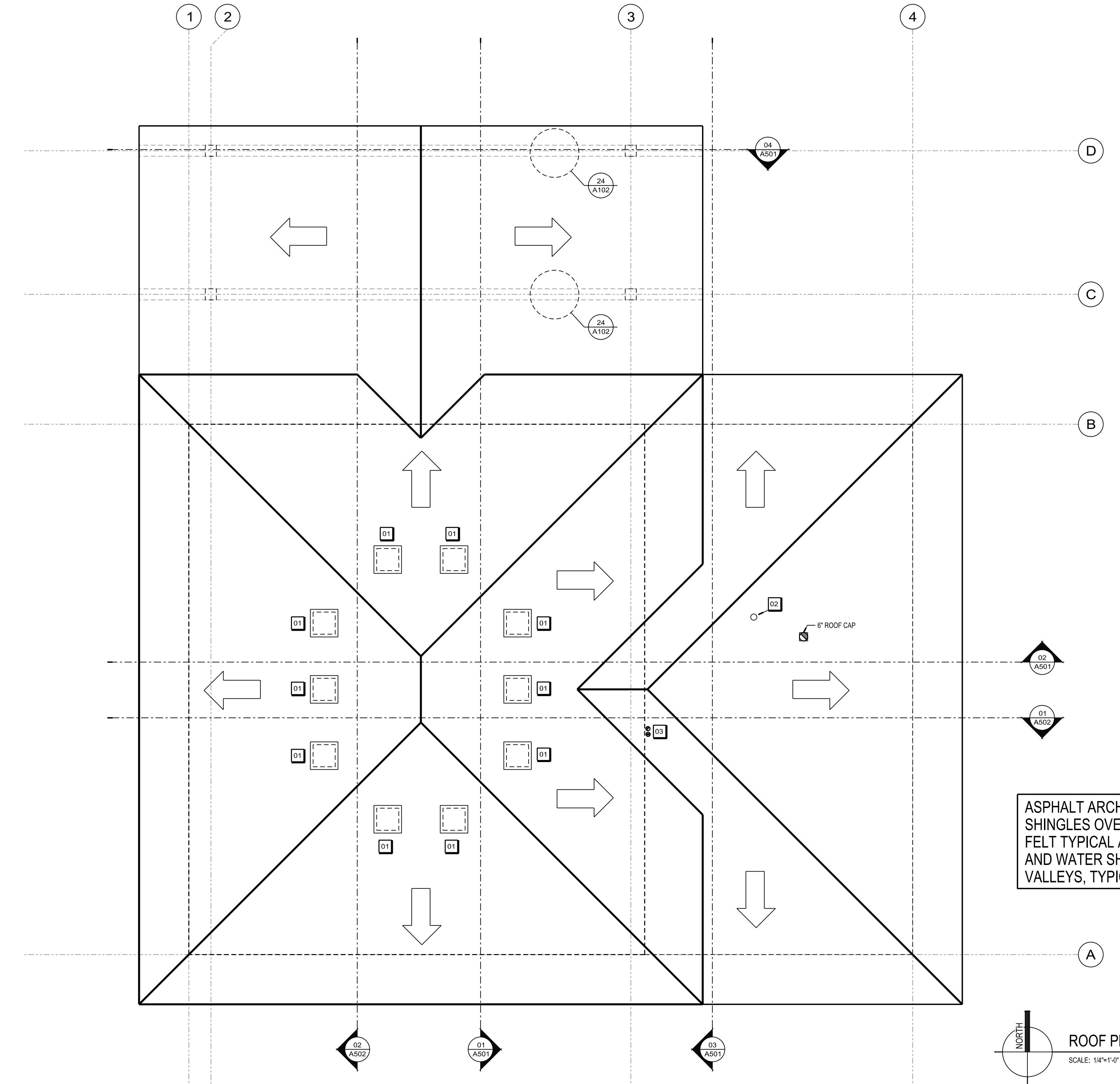
1887 S.F. OF ROOF AREA. 1887/300 = 6.29 S.F. OF NFA REQUIRED OR 906 SQUARE INCHES. HALF OF VENTILATION REQUIREMENT TO BE SERVED BY CONTINUOUS ATTIC VENTILATION SOFFIT PANEL. 453 SQUARE INCHES TO BE SERVED BY RIDGE VENT AND ROOF VENTS. 10 ROOF BOX VENTS PROVIDED AT 48 SQUARE INCHES OF NFA EACH EQUALS 480 SQUARE INCHES OF NFA. TOTAL SQUARE INCHES OF ROOF TOP NFA PROVIDED EQUALS 480.

ROOF PLAN KEYNOTES

- 01 ROOF BOX VENT. 2'-0"x2'-0" B144 ROOF VENT AS MANUFACTURED BY AIR INC.
- 02 PLUMBING ROOF VENT. SEE DETAIL 04/A102.
- 03 BOILER FLUE AND INTAKE.

ROOF PLAN GENERAL NOTES

1. PROVIDE 6" GUTTER AND DOWNSPOUT AT ALL EAVE LOCATIONS.
2. ALL EAVES AND VALLEYS TO RECEIVE ICE AND WATER SHIELD. REMAINDER OF ROOF TO RECEIVE 30# ROOFING PAPER.
3. PROVIDE 40 YEAR ARCHITECTURAL ASPHALT SHINGLES.
4. PROVIDE STEP FLASHING AT ALL WALL TO ROOF JUNCTIONS, TYPICAL.



ROOF PLAN
SCALE: 1/4"-1'-0"

HUGEL-JAMESTOWN
PARK SHELTER
CITY OF FITCHBURG
FITCHBURG, WI

PROJECT NUMBER
56790
APPROVED BY
JLH
REVIEWED BY
JCT
DRAWN BY
BTW
28/2016 5:03:29 PM

REVISIONS
ISSUANCES
CITY OF MADISON WATER DEPT. REVIEW - 12/07/15
BID CONSTRUCTION - 02/09/2016
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A102

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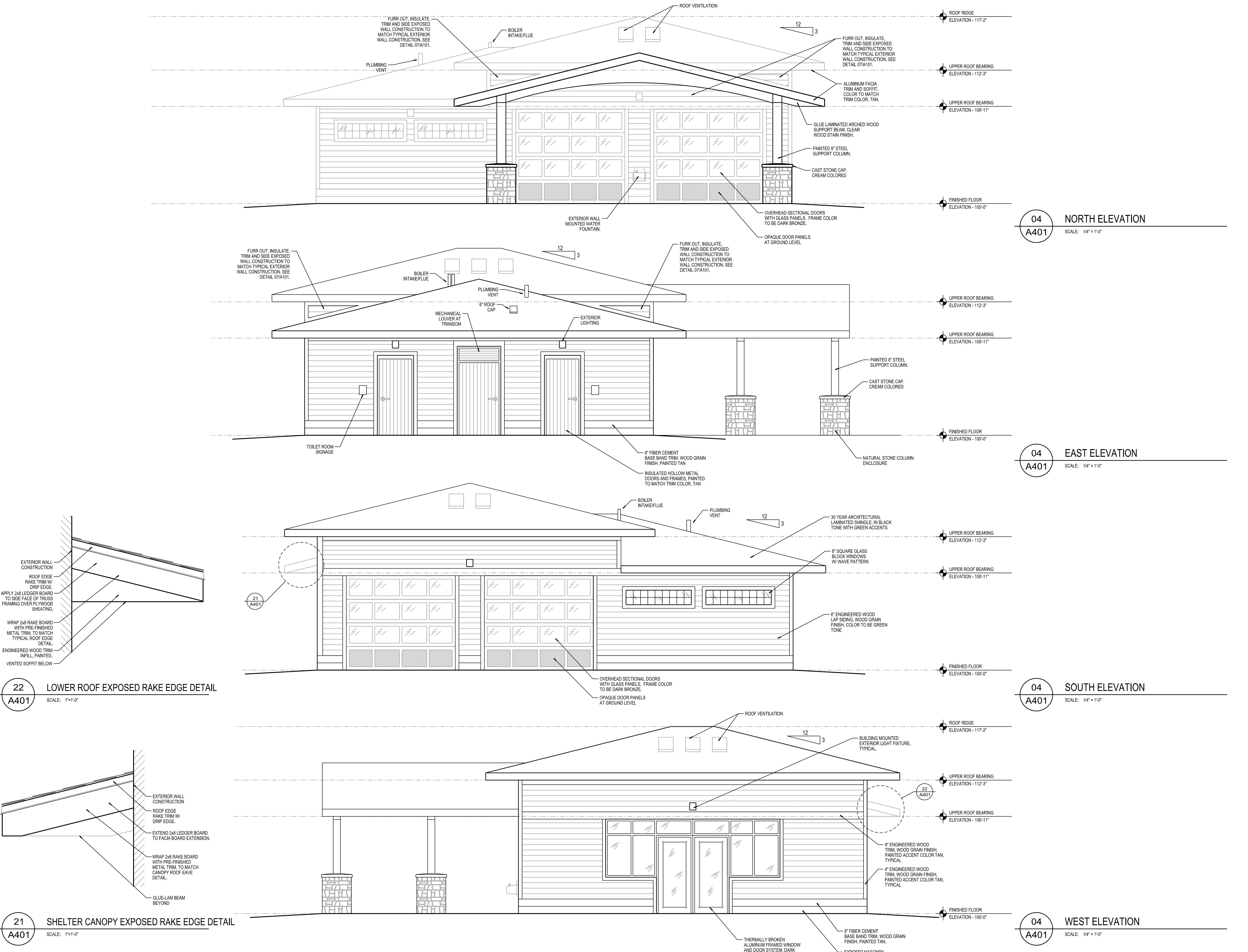
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ISSUANCES | REVISIONS

PROJECT NUMBER

APPROVED BY _____
B _____
A _____

A



REVISIONS

PROJECT NUMBER

Angus Young

Balance in Creativity

Architects Engineers Interior

555 South River Street Janesville, WI 53548-4783

HUEGEL-JAMESTOWN PARK SHELTER CITY OF FITCHBURG

A501

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FITCHBURG, WI

1/4"=1'-0" BradW
TALLE: DRAFTED BY:

10

ALE:

ORIGINAL SIZE = 24" x 36"

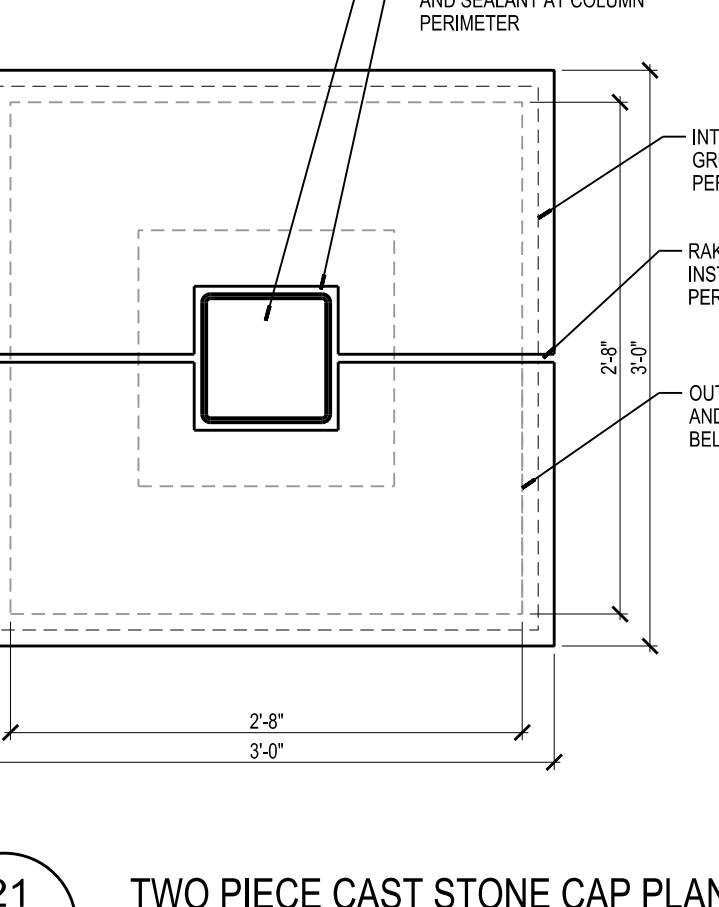


Diagram illustrating the Two Piece Cast Stone Cap Plan Detail. The diagram shows a rectangular stone cap with a central square recess. The cap is supported by a steel support column. The following details are provided:

- STEEL SUPPORT COLUMN
- PROVIDE BACKER ROD AND SEALANT AT COLUMN PERIMETER
- INTEGRAL Drip GROOVE AT PERIMETER
- RAKE JOINTS AND INSTALL SEALANT PER SPECIFICATION
- OUTLINE OF MASS AND STONE VENEER BELOW

Dimensions shown on the diagram:

- Width: 2'-8"
- Length: 3'-0"
- Height: 2'-8"
- Width of recess: 3'-0"

Scale: 1"=1'-0"

21 TWO PIECE CAST STONE CAP PLAN DETAIL
A501 SCALE: 1"=1'-0"

LAP SIDING AND WOOD TRIM EXTEND UP TO UndERSIDE OF 2x WOOD DECKING ABOVE.

UPPER ROOF BEARING ELEVATION 1-12 3/4"

LOWER ROOF BEARING ELEVATION 1-08 1/4"

OUTDOOR SHELTER 105

GLUE LAMINATED WOOD SUPPORT TRUSS AT OUTDOOR SHELTER AREA.

8" SQUARE STEEL TUBE SUPPORT COLUMN WITH BOLTED BRACKET CONNECTION TO GLU-LAM SUPPORT TRUSS.

FINISHED FLOOR ELEVATION 1-00 0"

04 **BUILDING SECTION**

A501

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

SIMILAR

05 A701 SIMILAR

UPPER ROOF BEARING
ELEVATION - 112'-3"

LOWER ROOF BEARING
ELEVATION - 108'-11"

FINISHED FLOOR
ELEVATION - 100'-0"

03
A501

BUILDING SECTION

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

SEE DETAIL 04/A701 FOR GRAB BAR INSTALLATION DIMENSIONS.

08 A701

17 A701 SIMILAR

12 3

MIN. R-38 ATTIC INSULATION

INDOOR SHELTER 101

MECHANICAL 103

UPPER ROOF BEARING ELEVATION - 11'-3"

LOWER ROOF BEARING ELEVATION - 08'-11"

FINISHED LOR ELEVATION - 10'-0"

02 A501

BUILDING SECTION

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

CLIP ANGLE SUPPORT FOR CAST STONE CAP.

4" CONCRETE MASONRY SUBSTRATE FOR NEW STONE VENEER. PROVIDE MASONRY TIES.

NATURAL STONE VENEER

PIER PERIMETER EXPANSION MATERIAL

21
A501

4"

5-7"

3-4"

OVERHANG SUPPORT COLUMN SECTION

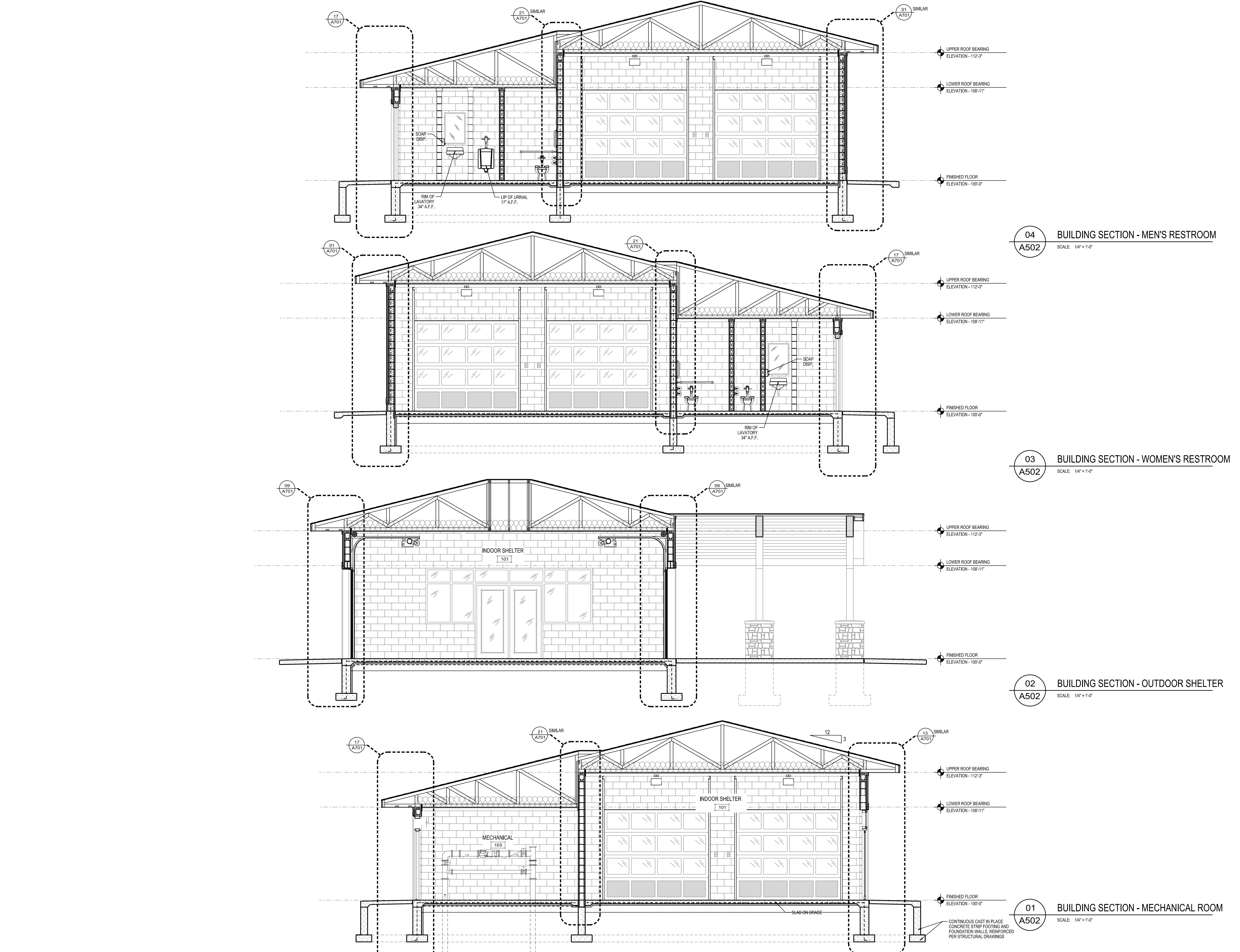
02
A501

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

01
A501

BUILDING SECTION

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



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PARK SHELTER
CITY OF FITCHBURG
FITCHBURG, WI

ISSUANCES
CITY OF MADISON WATER DEPT. REVIEW - 12/07/15
BID CONSTRUCTION - 02/09/2016

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A502

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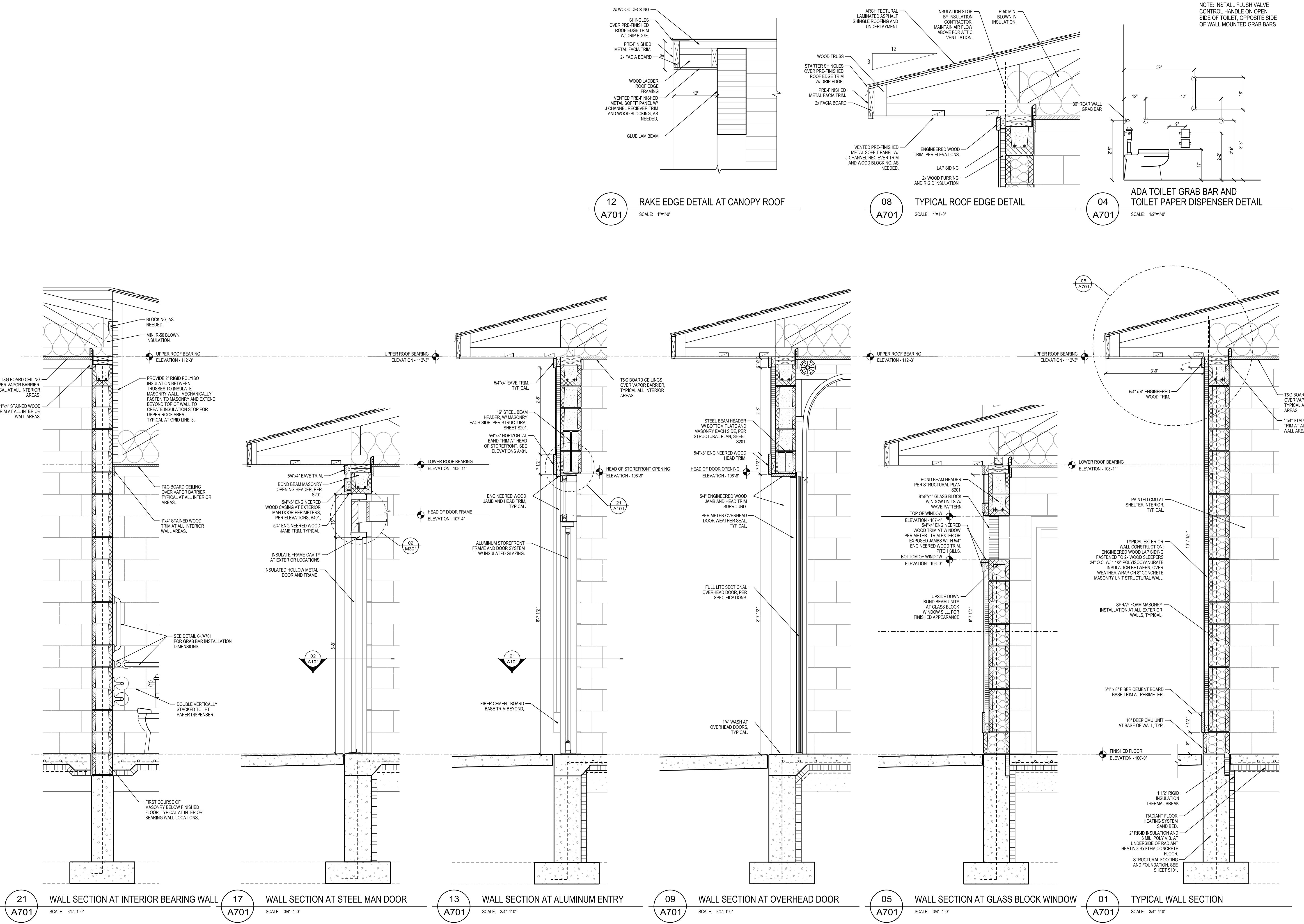
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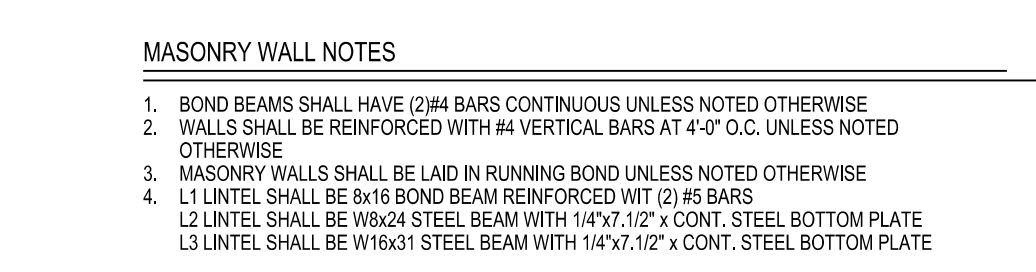
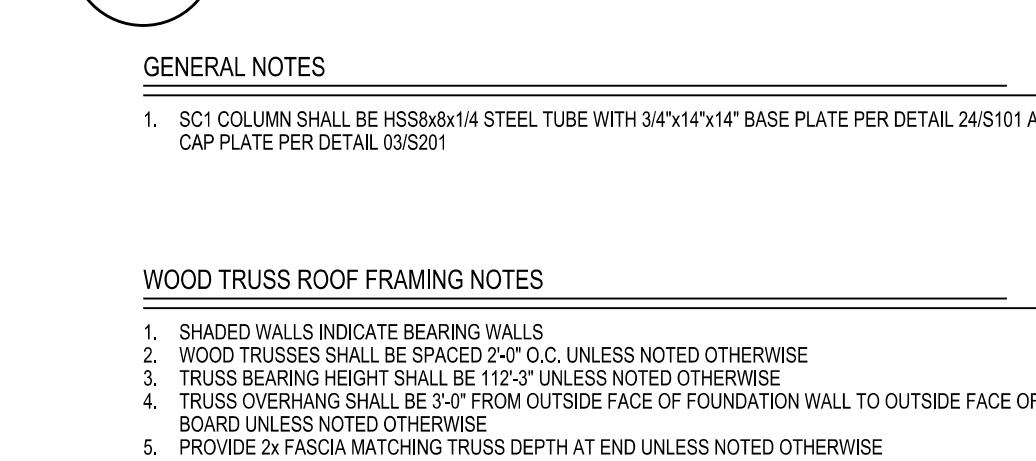
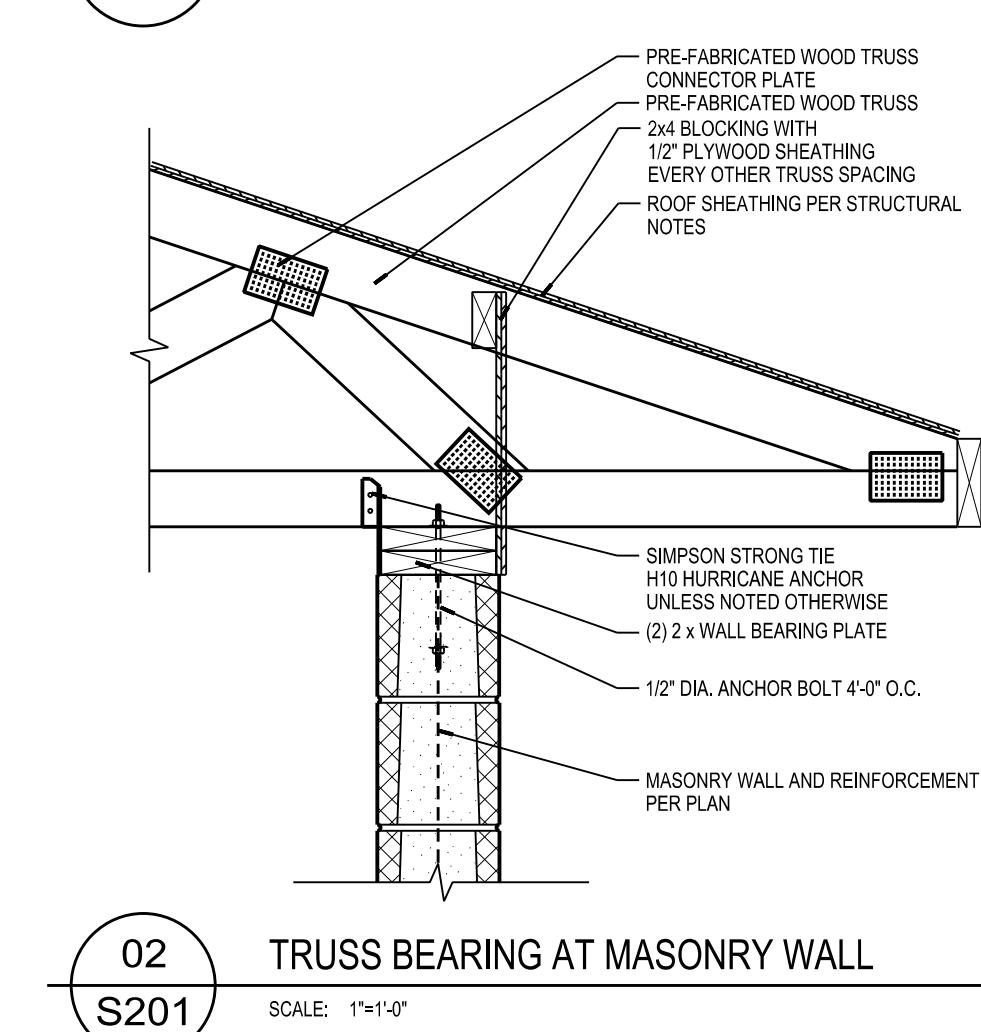
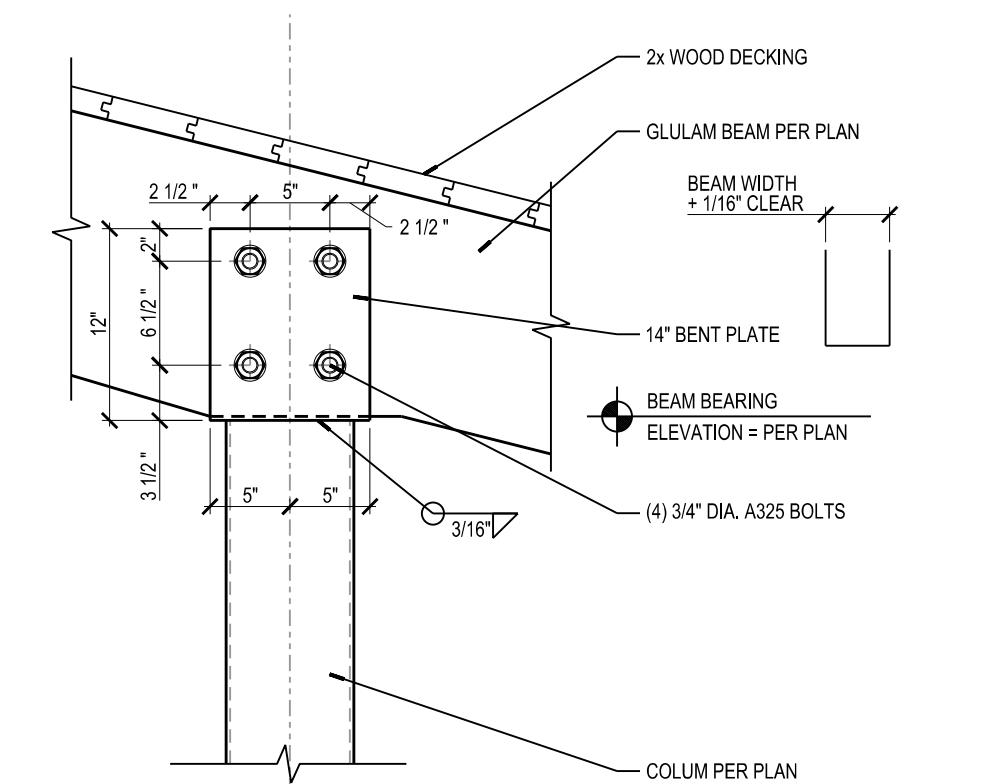
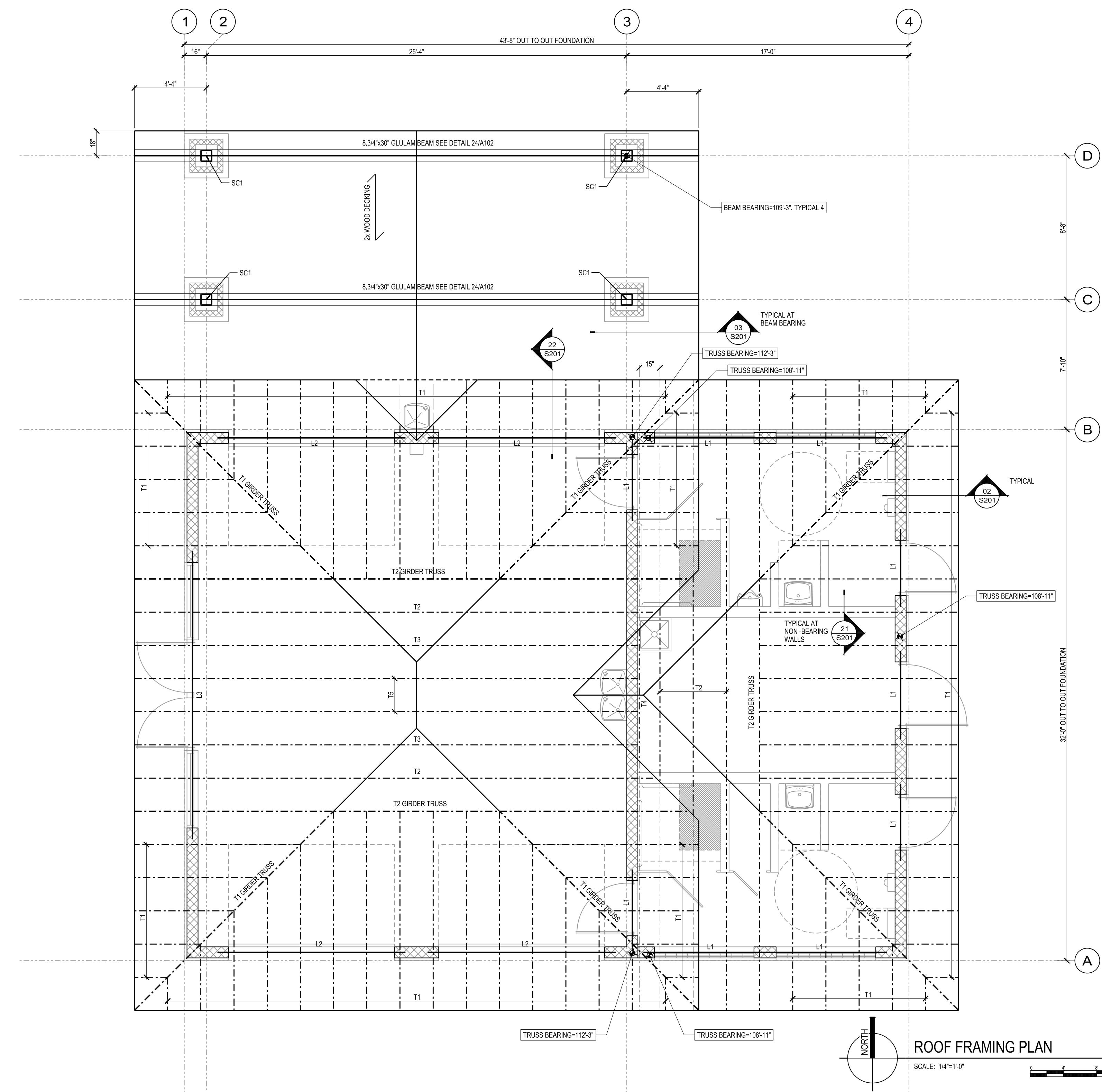
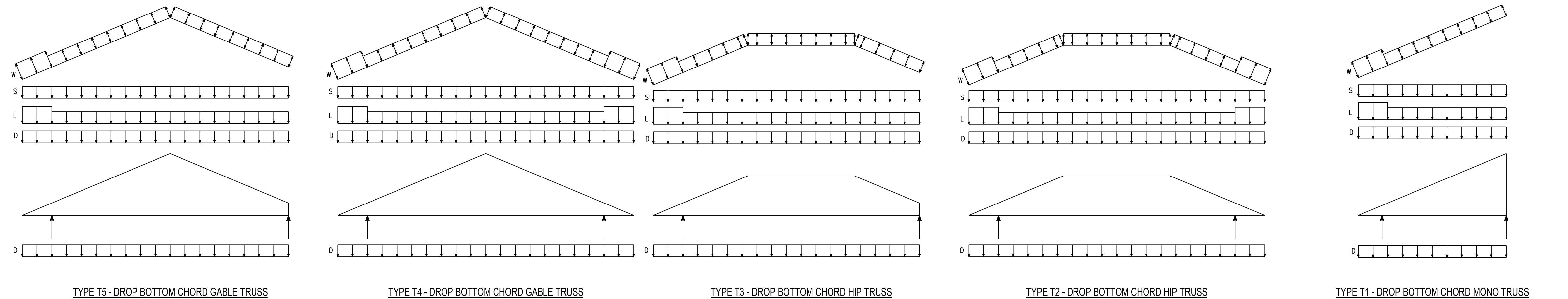
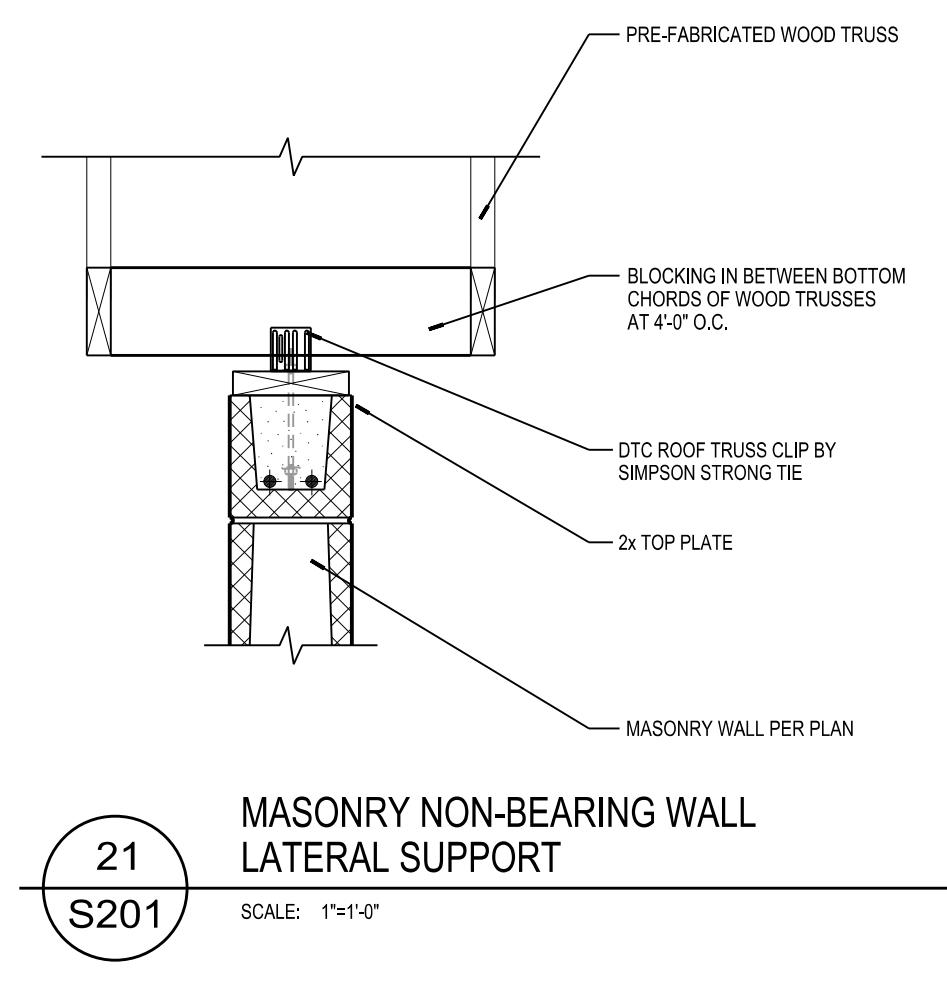
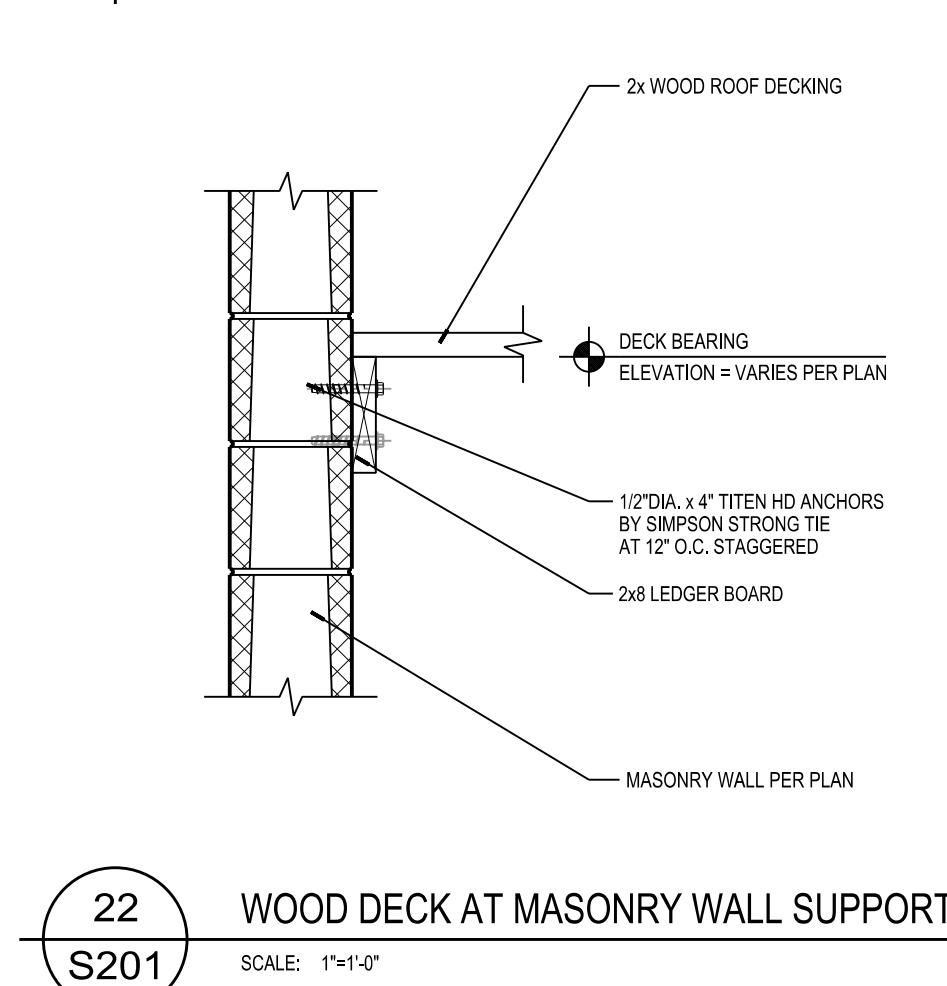
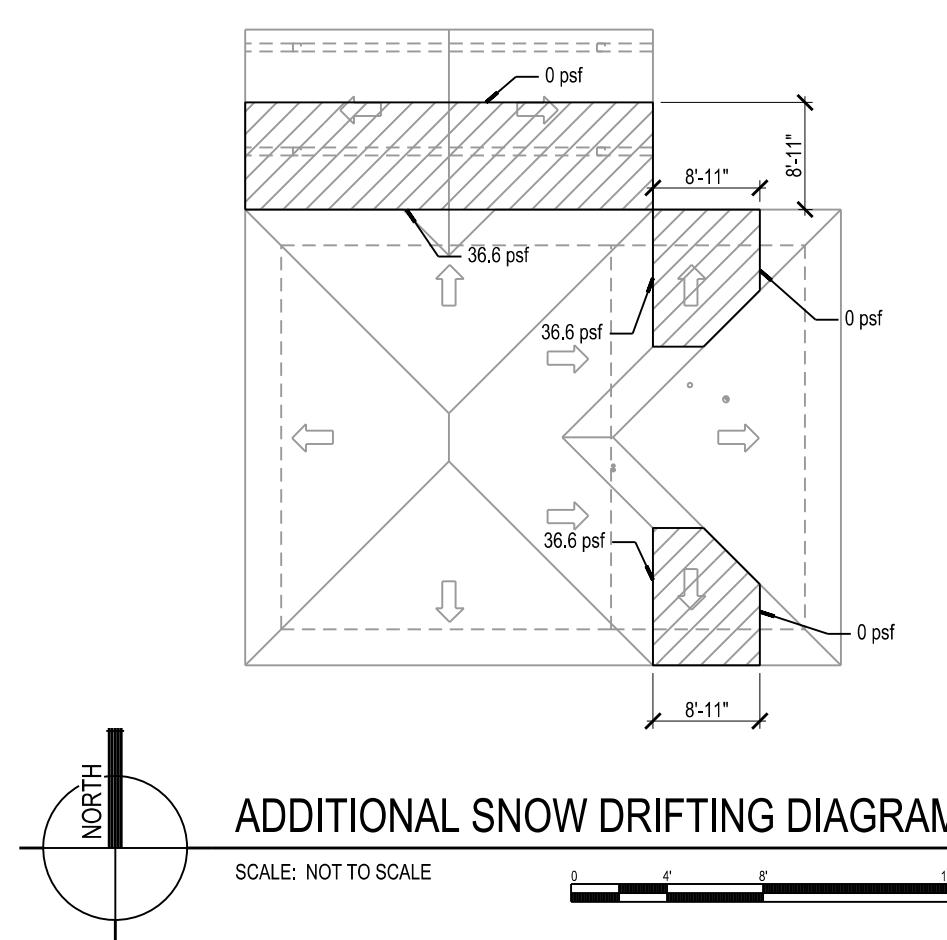
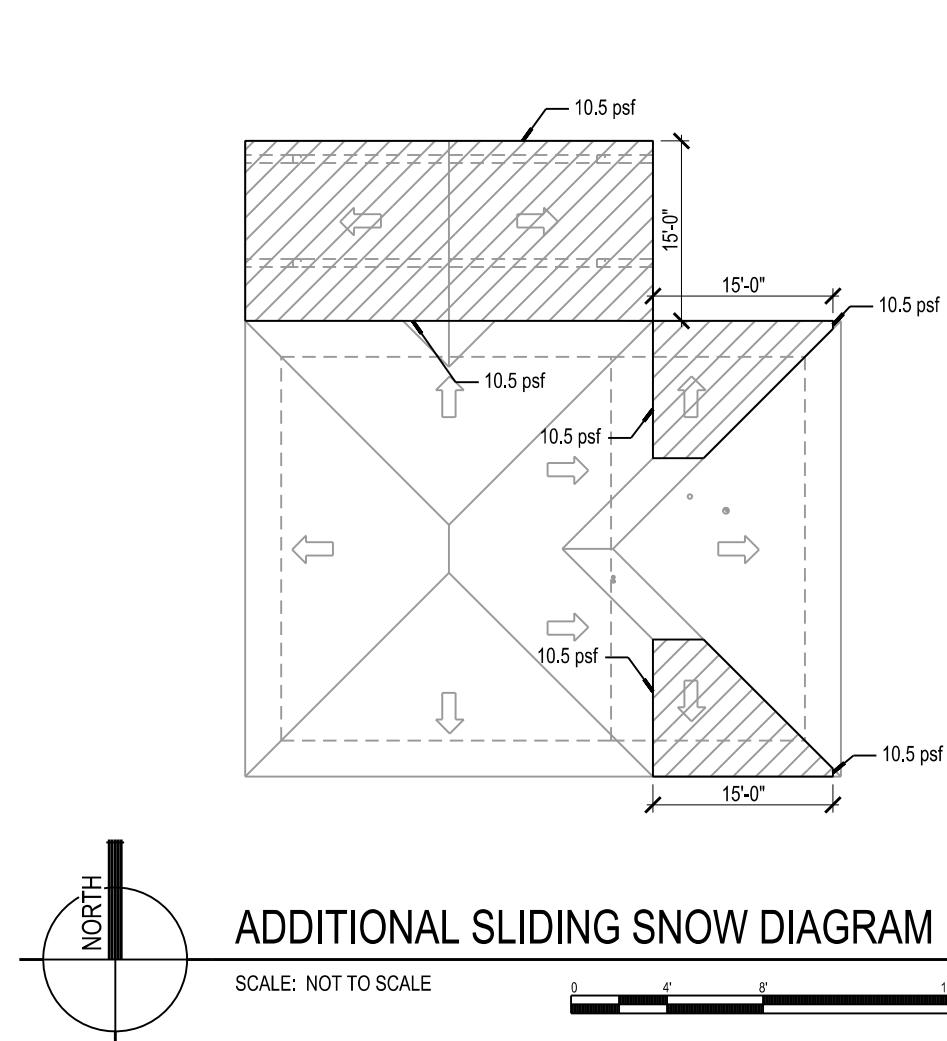
HUEGEL-JAMESTOWN
PARK SHELTER
CITY OF FITCHBURG
FITCHBURG, WI

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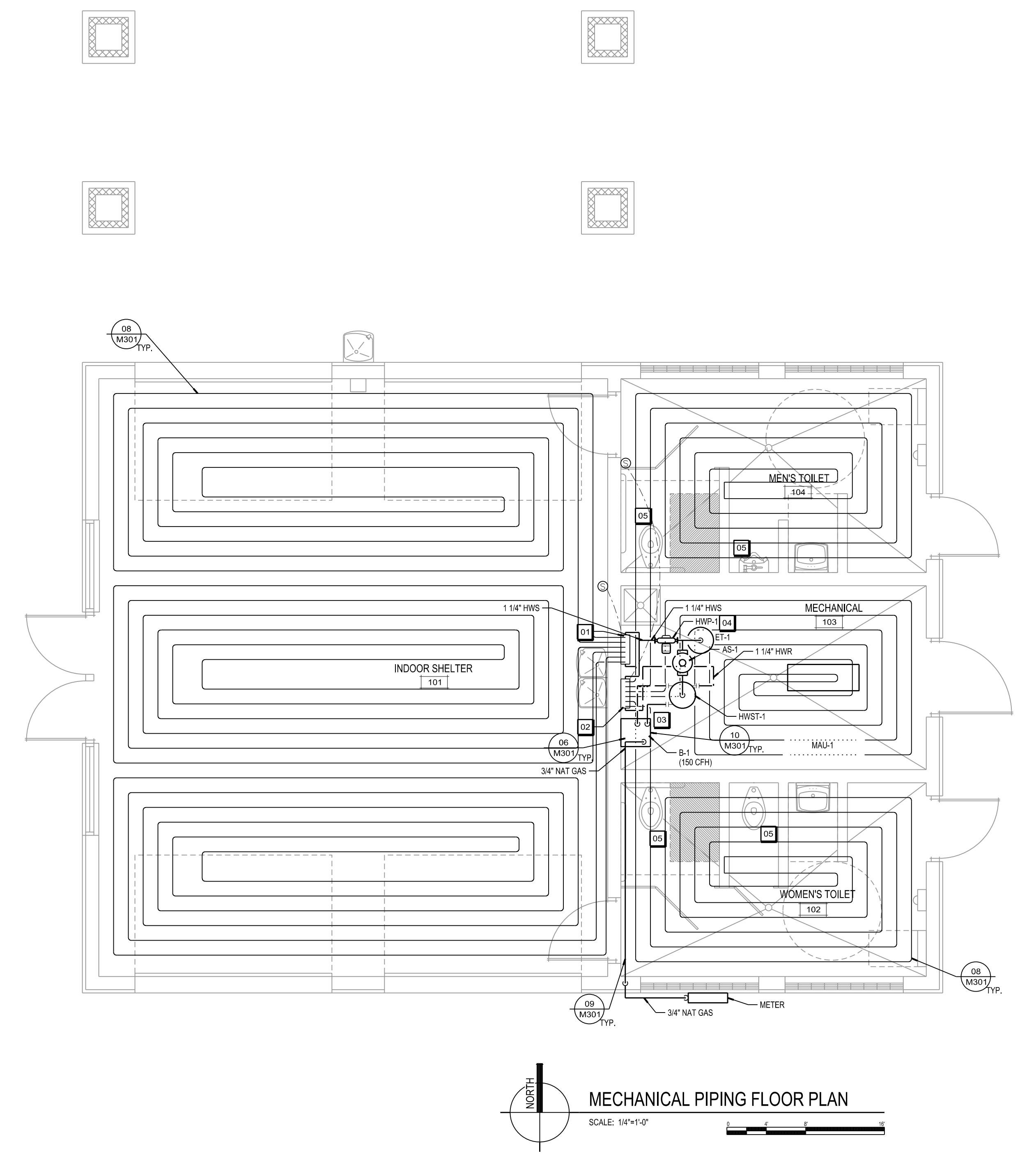




ORIGINAL SIZE = 24" x 36"
X:\670\20256\579\04201.dgn

SCALE: 1A=1'-0"

PLOTTED BY: BradW



VALVE SYMBOL LEGEND	
	GATE VALVE
	BALL VALVE
	GLOBE VALVE
	BUTTERFLY VALVE
	CHECK VALVE
	SWING CHECK VALVE
	THREE-WAY VALVE
	TRIPLE-DUTY VALVE
	ANGLE VALVE
	THREE-WAY VALVE
	RELIEF / SAFETY VALVE
	CIRCUIT SETTER
	TEMPERATURE CONTROL VALVE
	3-WAY TEMPERATURE CONTROL

ALL SYMBOLS MAY NOT BE USED IN THIS SET.

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GENERAL NOTES

1. MECHANICAL CONTRACTOR SHALL PROVIDE BALL VALVES AT MANIFOLDS TO ALLOW FOR ISOLATION OF LOOPS.

KEYNOTES

- [01] RADIANT FLOOR PIPING MANIFOLD - 1. RADIANT MANIFOLD FLOW RATE = 5.4 GPM, 17.2 FT HEAD LOSS, 3 LOOPS, 54,000 BTUH TOTAL LOAD, 120°F WATER TEMPERATURE, 20°F TEMPERATURE DROP, 5/8" PEX PIPING CONNECTIONS, PIPE SPACING = 9".
- [02] RADIANT FLOOR PIPING MANIFOLD - 2. RADIANT MANIFOLD FLOW RATE = 2.5 GPM, 15.1 FT HEAD LOSS, 3 LOOPS, 25,330 BTUH TOTAL LOAD, 120°F WATER TEMPERATURE, 20°F TEMPERATURE DROP, 5/8" PEX PIPING CONNECTIONS, PIPE SPACING = 9".
- [03] PROVIDE GAS PRESSURE REGULATOR AT EQUIPMENT. REGULATE PRESSURE DOWN TO MANUFACTURER'S REQUIRED PRESSURE.
- [04] EXPANSION TANK (ET-1), AIR SEPARATOR (AS-1), AND HOT WATER PUMP (HWP-1) SHALL BE MOUNTED AGAINST WEST WALL OF MECHANICAL ROOM OVER HEAD MANIFOLDS 1 & 2. EQUIPMENT IS SHOWN IN LOCATIONS TO PROVIDE A BETTER ILLUSTRATION OF THE DIFFERENT PIECES OF EQUIPMENT.
- [05] MECHANICAL CONTRACTOR SHALL COORDINATE PEX TUBING LOCATIONS WITH TOILETS AND URINAL.

ISSUANCES

REVISIONS

ISSUANCES		REVISIONS
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BOILER SCHEDULE										
TAG	ROOM LOCATION	HEATING MEDIUM	INPUT MBH	MAX OUTPUT MBH	MIN INPUT	FUEL	HEAT EXCHANGER	EFFICIENCY	INTEGRAL CIRC PUMP	VOLTAGE @ 60HZ
B-1	103 MECHANICAL	HOT WATER	100	95	30	NATURAL	STAINLESS STEEL	95.0%	YES	120-1
1. BOILER PUMP IS SHIPPED WITH BOILER FOR FIELD ASSEMBLY.										

CIRCULATING PUMP SCHEDULE										
TAG	ROOM LOCATION	SERVICE	TYPE	SYSTEM DELTA T	GPM	HEAD	GLY COL %	MOTOR H.P.	MOTOR RPM	VOLTAGE @ 60HZ
HWP-1	103 MECHANICAL	HOT WATER DISTRIBUTION	INLINE	20	8	34.5	30	0.75	1750	120-1
BELL AND GOSSETT MODEL: 1-1/2 X 1-1/2 x 7B SERIES 80										

HOT WATER STORAGE TANK SCHEDULE					
TANK NO.	STYLE	NOMINAL CAPACITY (GALLONS)	VERTICAL HEIGHT (IN)	TANK DIA.	WEIGHT (LBS)
HWST-1	VERTICAL	50	43	16	190
TACO BTH0050F02-125N					

EXPANSION TANK SCHEDULE - DIAPHRAGM TYPE							
TANK NO.	TANK TYPE	AVERAGE WATER TEMP.	MIN PRECHARGE PRESSURE (PSIG)	MAX PRECHARGE PRESSURE (PSIG)	% GLY COL	MAX ACCEPT. (GALLONS)	TANK VOLUME (GALLONS)
ET-1	DIAPHRAGM	110	8.33	67.5	50	10	23
TACO CX84-125							

AIR SEPARATOR			
TAG	DESIGN GPM	AIR ELEM. EFF.	P.D.
AS-1	8	95%	0.5
S P R O V E N T - V S R 2 0 0			

POT FEEDER SCHEDULE				
TANK NO.	TANK TYPE	TANK VOLUME (GALLONS)	TANK LENGTH	TANK DIA.
PFH-1	STEEL	5	21	10
GRISWOLD FB-5				

NOTE 1: INCLUDE STRAINER BASKET SB-SS AND FILTERS.

LOUVER SCHEDULE					
TAG	ROOM LOCATION	SIZE W" X H" X D"	FREE AREA (SF)	TYPE	CONSTRUCTION
L-1	103 MECHANICAL	18" x 10" x 6"	1.08	STATIONARY	EXTRUDED ALUMINUM
RUSKIN ELF6350DMP					

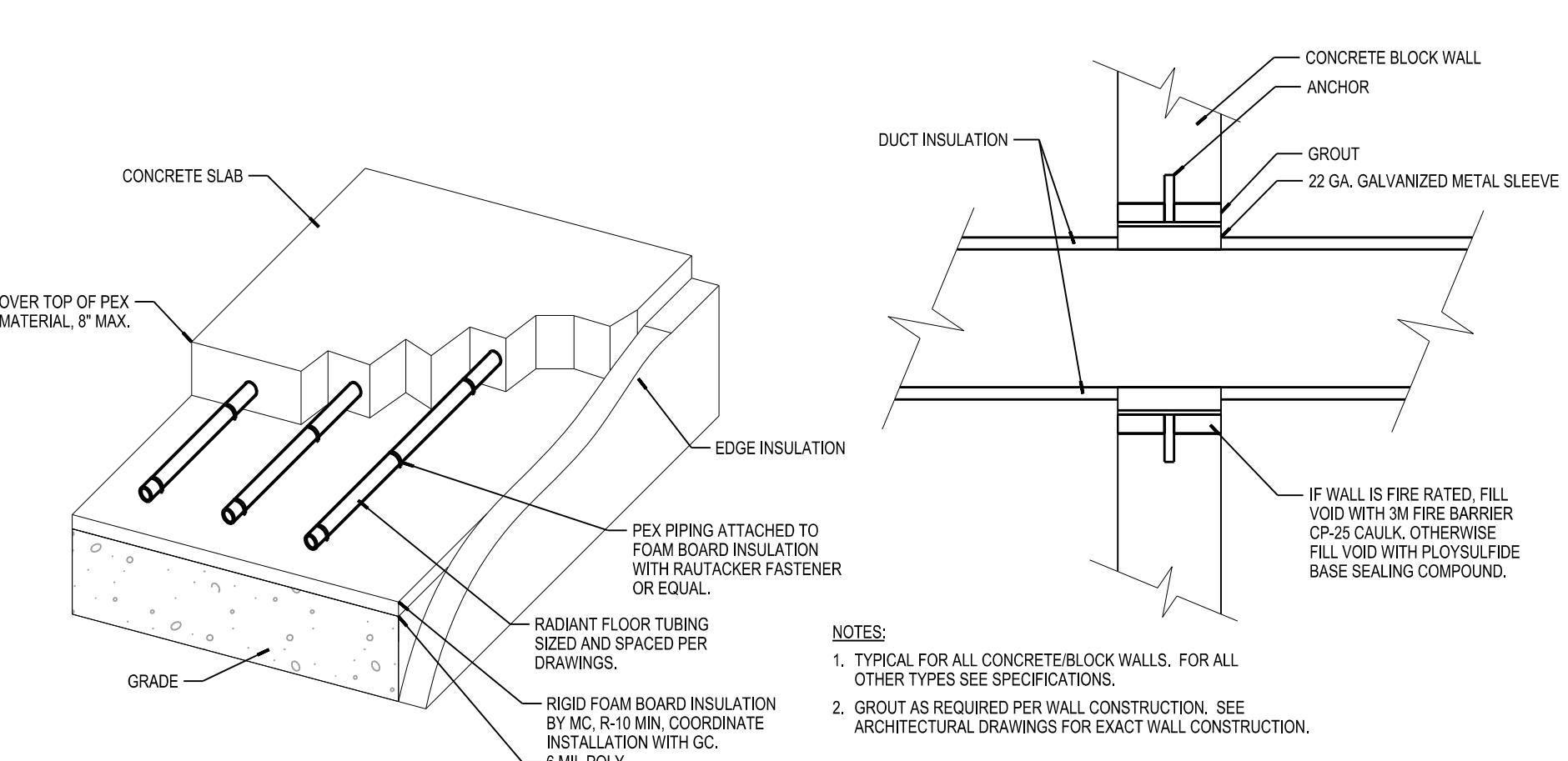
GRILLE, REGISTER & DIFFUSER SCHEDULE			
TAG	DESCRIPTION	NECK	MANUFACTURER & MODEL NUMBER
S-1	16" x 8" STEEL LOUVERED SUPPLY GRILLE, 22.5° DEFLECTION	SEE DRAWING	TITUS 272RL
S-2	8" x 6" STEEL LOUVERED SUPPLY GRILLE, 22.5° DEFLECTION	SEE DRAWING	TITUS 272RL

EXHAUST FAN SCHEDULE										
TAG	ROOM LOCATION	SYSTEM	CFM	SP	RPM	MOTOR H.P.	VOLTAGE @ 60HZ	DRIVE	FAN TYPE	MANUFACTURER & MODEL NUMBER
EF-1	102 WOMENS TOILET	EXHAUST	150	0.375	904	FRACTIONAL	115/1	DIRECT	CENTRIFUGAL	GREENHECK - SP-B200
EF-2	103 MECHANICAL	EXHAUST	75	0.375	935	FRACTIONAL	115/1	DIRECT	CENTRIFUGAL	GREENHECK - SP-80-VG
EF-3	104 MENS TOILET	EXHAUST	150	0.375	904	FRACTIONAL	115/1	DIRECT	CENTRIFUGAL	GREENHECK - SP-B200

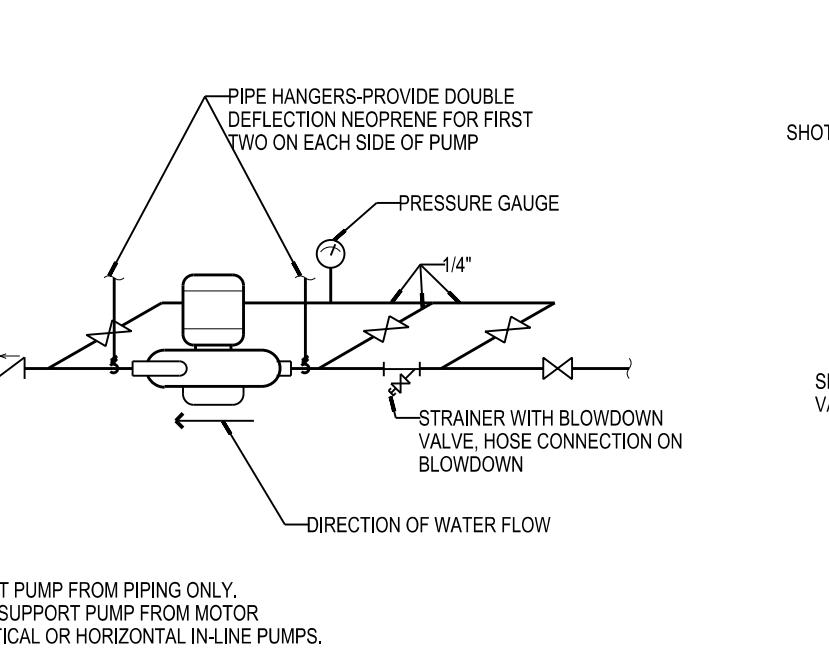
NOTE: FACTORY MOUNTED DISCONNECT SHALL BE PROVIDED FOR ALL EXHAUST FANS. PROVIDE SPEED CONTROLLER.

MINI MAKE UP AIR UNIT SCHEDULE									
TAG	SERVICE	CFM	ESP IN WC	KW	VOLTAGE @ 60HZ	HEATING COIL	MANUFACTURER & MODEL NUMBER		
MAU-1	103 MECHANICAL	375	0.25	10	208-1	-15	75	34.2	THERMOCLEF FER-12-10KW-208/1

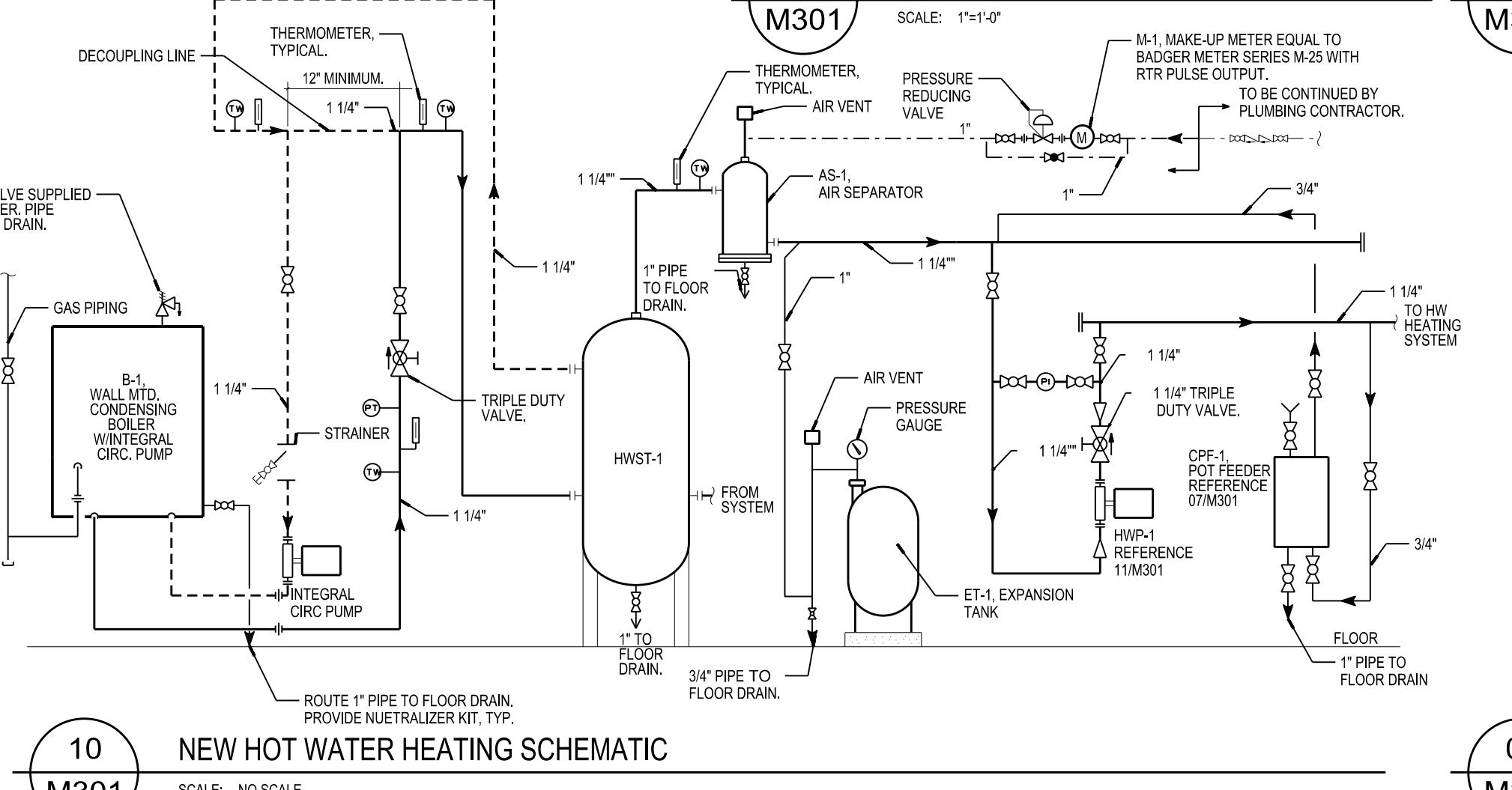
NOTE: UNIT SHALL BE SHIPPED WITH FACTORY INSTALLED DISCONNECT.



08 M301 RADIANT FLOOR DETAIL
04 M301 DUCT PASSING THROUGH WALL

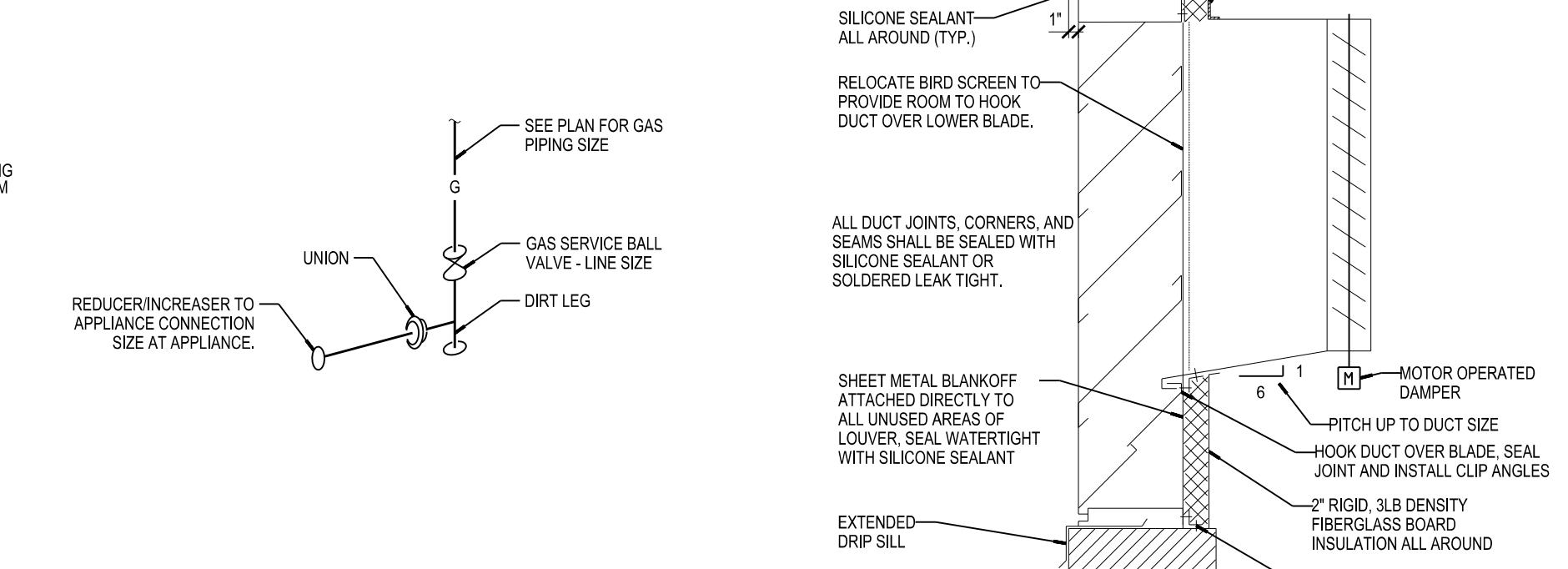


11 M301 IN-LINE PUMP DETAIL
07 M301 CHEMICAL BY-PASS FEEDER

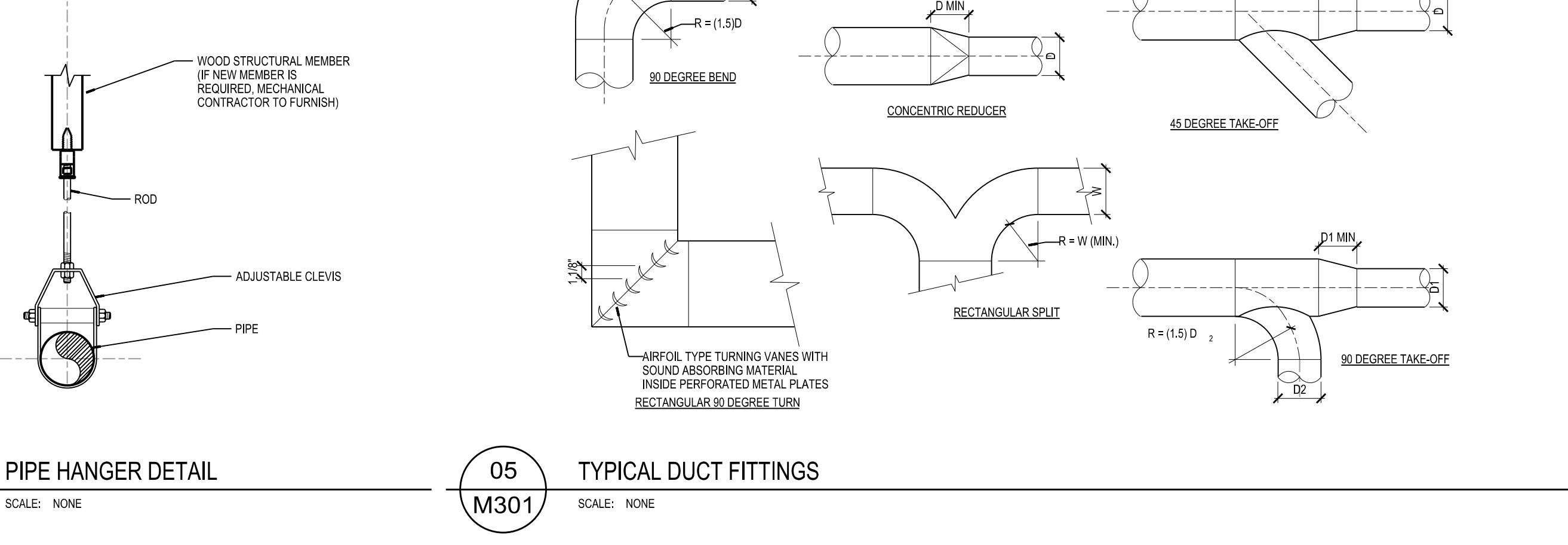


10 M301 NEW HOT WATER HEATING SCHEMATIC

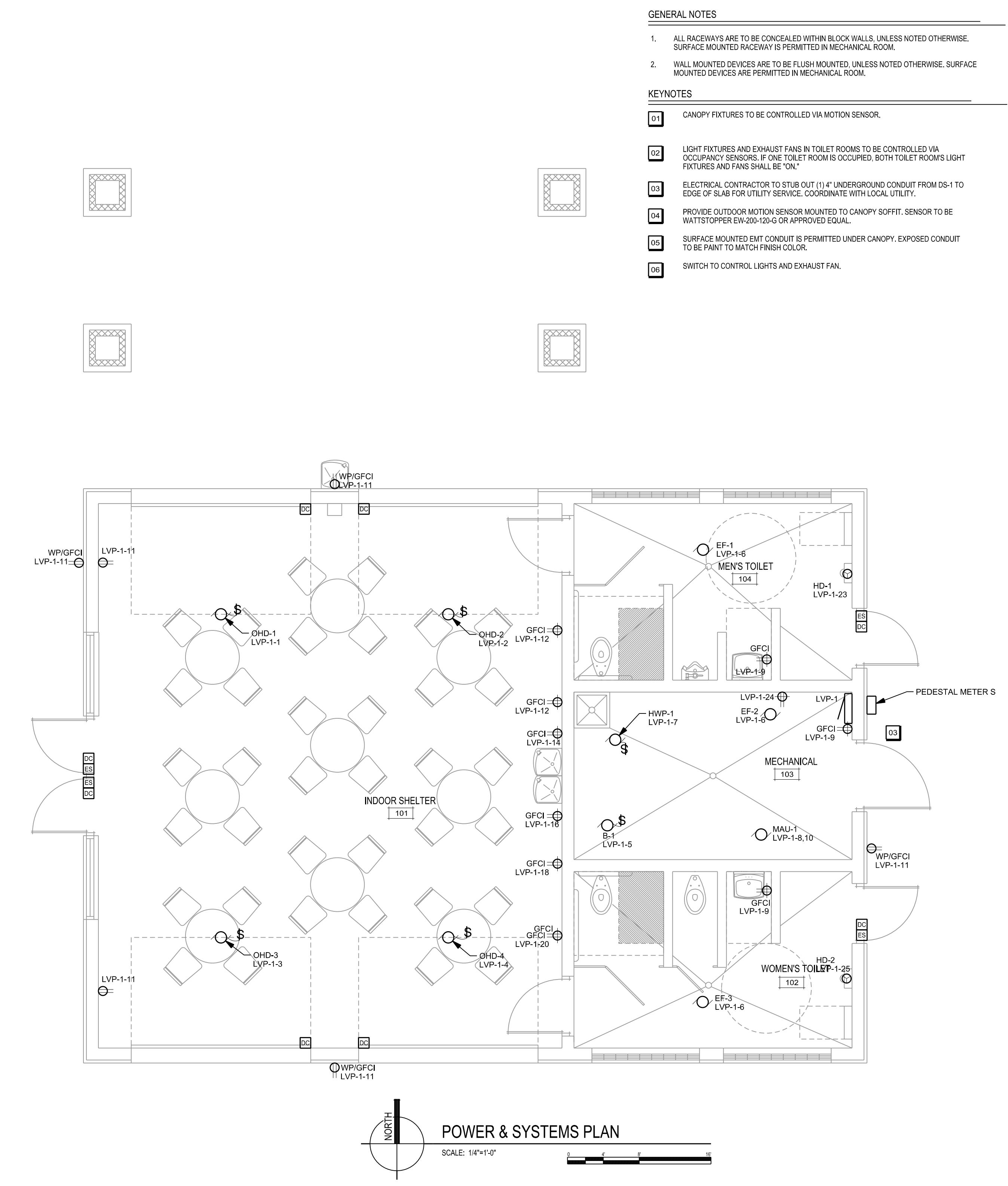
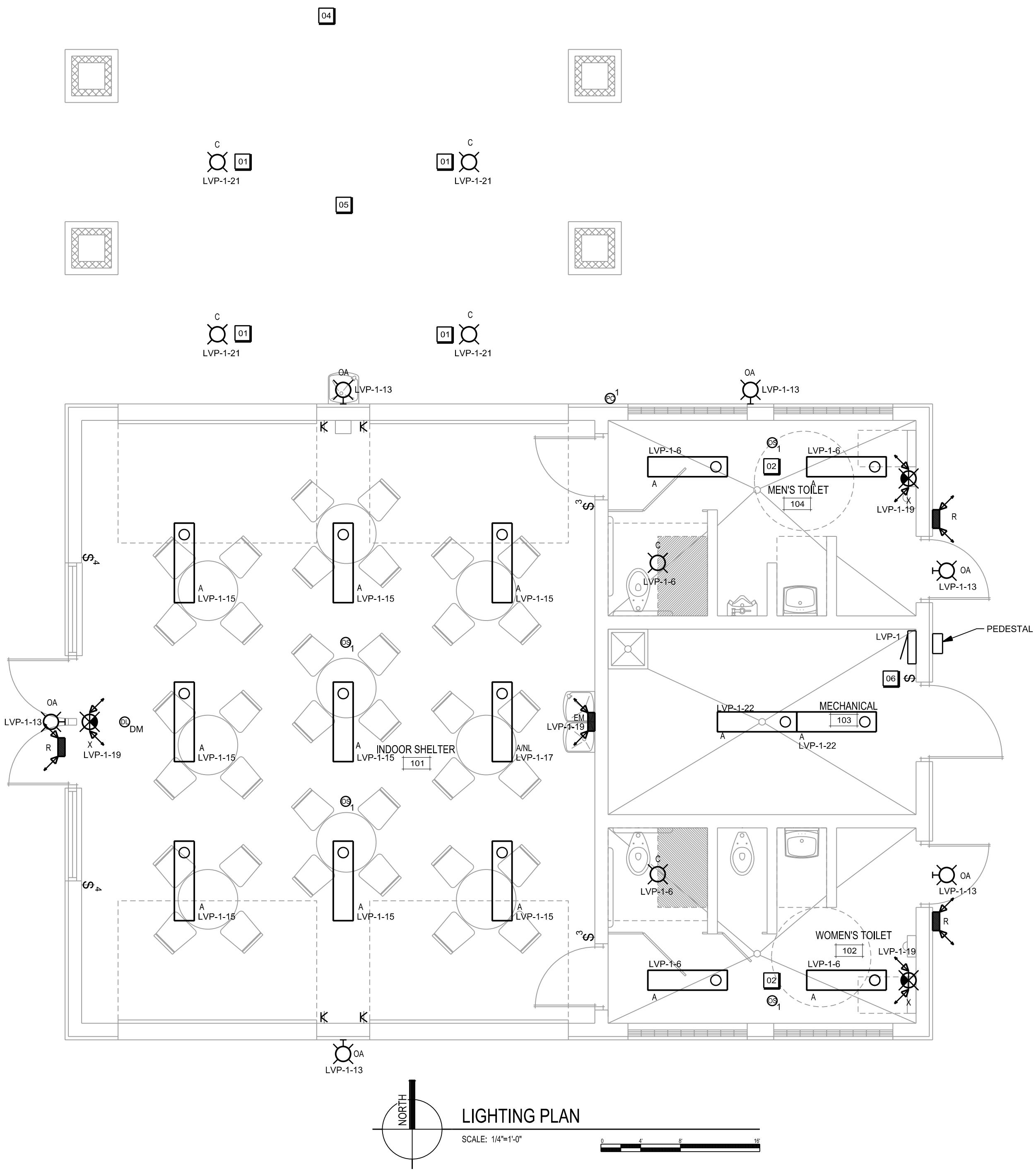
03 M301 TYPICAL LOW LOSS BRANCH TAKEOFF
06 M301 GAS PIPING CONNECTION DETAIL



02 M301 LOUVER INSTALLATION DETAIL



09 M301 PIPE HANGER DETAIL
05 M301 TYPICAL DUCT FITTINGS



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PROJECT NUMBER 56790
APPROVED BY JH
REVIEWED BY JCT
DRAWN BY CTK
ELECTRICAL PLANS
28/2016 4:02:12 PM

HUEGEL-JAMESTOWN
PARK SHELTER
CITY OF FITCHBURG
FITCHBURG, WI

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ISSUANCES
CITY OF MADISON WATER DEPT. REVIEW - 12/07/15
BID CONSTRUCTION - 02/09/2016

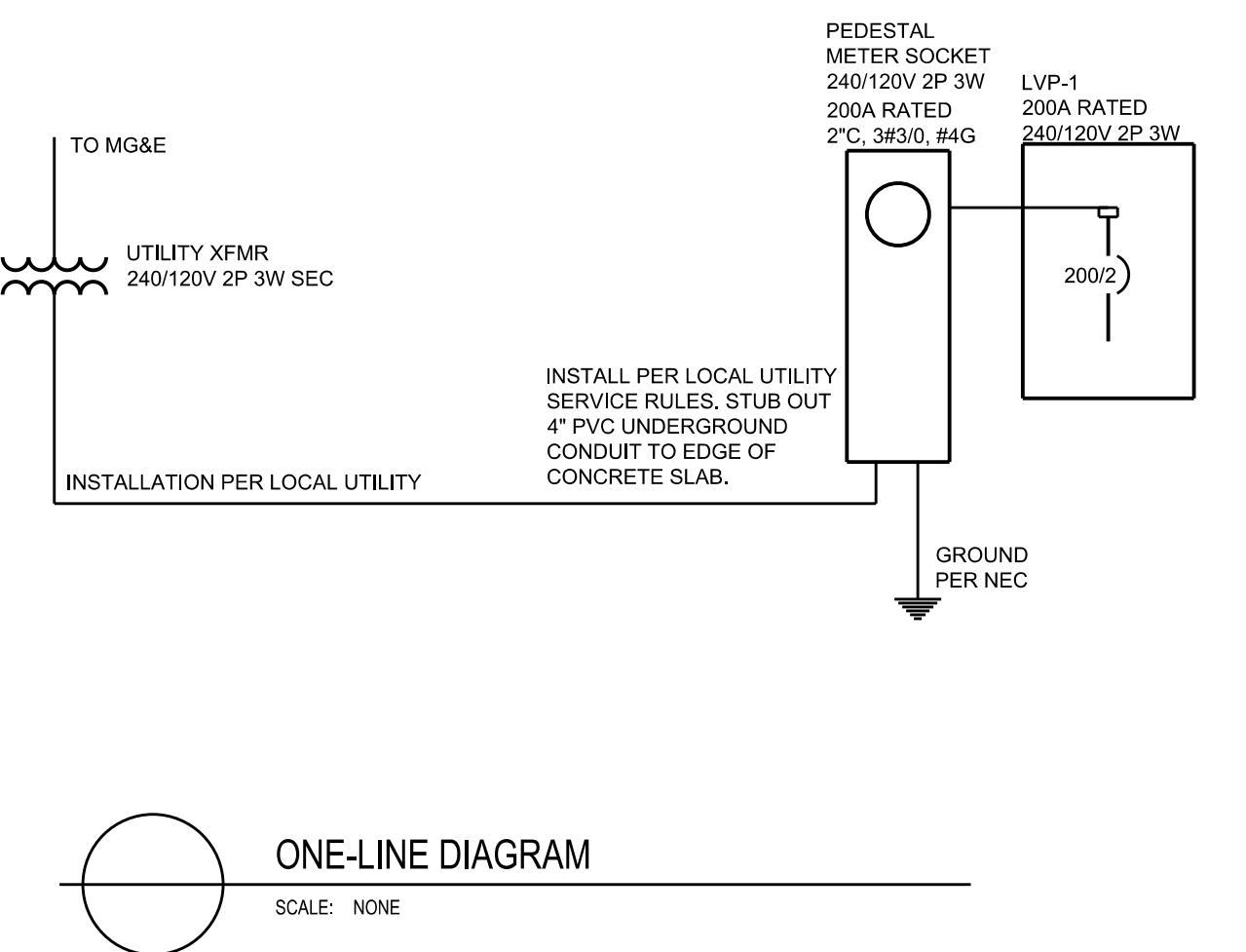
REVISIONS
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GENERAL NOTES
1. ALL RACEWAYS ARE TO BE CONCEALED WITHIN BLOCK WALLS, UNLESS NOTED OTHERWISE.
2. SURFACE MOUNTED RACEWAY IS PERMITTED IN MECHANICAL ROOM.

KEYNOTES
01 CANOPY FIXTURES TO BE CONTROLLED VIA MOTION SENSOR.
02 LIGHT FIXTURES AND EXHAUST FANS IN TOILET ROOMS TO BE CONTROLLED VIA OCCUPANCY SENSORS. IF ONE TOILET ROOM IS OCCUPIED, BOTH TOILET ROOM'S LIGHT FIXTURES AND FANS SHALL BE "ON".
03 ELECTRICAL CONTRACTOR TO STUB OUT (1) 4" UNDERGROUND CONDUIT FROM DS-1 TO EDGE OF SLAB FOR UTILITY SERVICE. COORDINATE WITH LOCAL UTILITY.
04 PROVIDE OUTDOOR MOTION SENSOR MOUNTED TO CANOPY SOFFIT. SENSOR TO BE WATTSTOPPER EV-200-120-G OR APPROVED EQUAL.
05 SURFACE MOUNTED EMT CONDUIT IS PERMITTED UNDER CANOPY. EXPOSED CONDUIT TO BE PAINT TO MATCH FINISH COLOR.
06 SWITCH TO CONTROL LIGHTS AND EXHAUST FAN.

Angus Young
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www.angusyoung.com

LVP-1		ROOM MECHANICAL 103				VOLTS 240/120V 2P 3W				AIC 22,000			
		MOUNTING SURFACE				BUS AMPS 200				MAIN BKR 200			
		FED FROM PEDESTAL METER SOCKET				NEUTRAL 100%				LUGS STANDARD			
CKT #	CKT BKR	CIRCUIT DESCRIPTION		KVA LOAD	CKT #	CKT BKR	CIRCUIT DESCRIPTION		KVA LOAD	A	B	A	B
1	20/1	OHD-1		1.18	2	20/1	OHD-2		1.18				
3	20/1	OHD-3		1.18	4	20/1	OHD-4		1.18				
5	20/1	B-1		1.18	6	20/1	EF-1, EF-2, EF-3, LIGHTING		0.431				
7	20/1	HWP-1		1.66	8	60/2	MAU-1		5				
9	20/1	RESTROOM, MECH RECEPTACLE		0.54	10				5				
11	20/1	WEST WALL RECEPTACLE		1.08	12	20/1	RECEPTACLE		0.36				
13	20/1	BUILDING MOUNTED LIGHTING		0.001	14	20/1	RECEPTACLE		0.18				
15	20/1	SHELTER LIGHTING		0.208	16	20/1	RECEPTACLE		0.18				
17	20/1	NIGHT LIGHTING		0.026	18	20/1	RECEPTACLE		0.18				
19	20/1	EMERGENCY LIGHTING		0.029	20	20/1	RECEPTACLE		0.18				
21	20/1	CANOPY LIGHTING		0.054	22	20/1	MECH ROOM LIGHTING		0.052				
23	20/1	HD-1		1.5	24	20/1	SECURITY PANEL RECEPTACLE		0.18				
25	20/1	HD-2		1.5	26	20/1	SPARE		0				
27	✓/1	SPACE		1	28	20/1	SPARE		0				
29	✓/1	SPACE		0	30	20/1	SPARE		0				
							TOTAL CONNECTED KVA BY PHASE		11.5	12.7			
							TOTAL CONNECTED AMPS BY PHASE		95.8	106			
							CONN. KVA	CALC. KVA					
							CONN. KVA	CALC. KVA					
							LIGHTING	0.5	0.625 (125%)				
							LARGEST MOTOR	10	12.5 (125%)				
							OTHER MOTORS	10.8	10.8 (100%)				
							RECEPTACLES	2.88	2.88 (50%>10)				
							BALANCED PHASE AMPS		112				
							CONTINUOUS	0	0 (125%)				
							HEATING	0	0 (100%)				
							NONCONTINUOUS	0	0 (100%)				
							KITCHEN EQUIP	0	0 (N/A)				
							NONCOIN/DIVERSE	0	0 (N/A)				
							TOTAL KVA		24.2	26.8			



SCALE: 18'-0" = 1'-0"

PLOTTED BY: callik

ORIGINAL SIZE = 24" x 38"
X:\670\2024\5679\5679E301.dwg

LVP-1		ROOM MECHANICAL 103				VOLTS 240/120V 2P 3W				AIC 22,000			
		MOUNTING SURFACE				BUS AMPS 200				MAIN BKR 200			
		FED FROM PEDESTAL METER SOCKET				NEUTRAL 100%				LUGS STANDARD			
CKT #	CKT BKR	CIRCUIT DESCRIPTION		KVA LOAD	CKT #	CKT BKR	CIRCUIT DESCRIPTION		KVA LOAD	A	B	A	B
1	20/1	OHD-1		1.18	2	20/1	OHD-2		1.18				
3	20/1	OHD-3		1.18	4	20/1	OHD-4		1.18				
5	20/1	B-1		1.18	6	20/1	EF-1, EF-2, EF-3, LIGHTING		0.431				
7	20/1	HWP-1		1.66	8	60/2	MAU-1		5				
9	20/1	RESTROOM, MECH RECEPTACLE		0.54	10				5				
11	20/1	WEST WALL RECEPTACLE		1.08	12	20/1	RECEPTACLE		0.36				
13	20/1	BUILDING MOUNTED LIGHTING		0.001	14	20/1	RECEPTACLE		0.18				
15	20/1	SHELTER LIGHTING		0.208	16	20/1	RECEPTACLE		0.18				
17	20/1	NIGHT LIGHTING		0.026	18	20/1	RECEPTACLE		0.18				
19	20/1	EMERGENCY LIGHTING		0.029	20	20/1	RECEPTACLE		0.18				
21	20/1	CANOPY LIGHTING		0.054	22	20/1	MECH ROOM LIGHTING		0.052				
23	20/1	HD-1		1.5	24	20/1	SECURITY PANEL RECEPTACLE		0.18				
25	20/1	HD-2		1.5	26	20/1	SPARE		0				
27	✓/1	SPACE		1	28	20/1	SPARE		0				
29	✓/1	SPACE		0	30	20/1	SPARE		0				
							TOTAL CONNECTED KVA BY PHASE		11.5	12.7			
							TOTAL CONNECTED AMPS BY PHASE		95.8	106			
							CONN. KVA	CALC. KVA					
							CONN. KVA	CALC. KVA					
							LIGHTING	0.5	0.625 (125%)				
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							OTHER MOTORS	10.8	10.8 (100%)				
							RECEPTACLES	2.88	2.88 (50%>10)				
							BALANCED PHASE AMPS		112				
							CONTINUOUS	0	0 (125%)				
							HEATING	0	0 (100%)				
							NONCONTINUOUS	0	0 (100%)				
							KITCHEN EQUIP	0	0 (N/A)				
							NONCOIN/DIVERSE	0	0 (N/A)				
							TOTAL KVA		24.2	26.8			

NEW LUMINAIRE SCHEDULE										

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