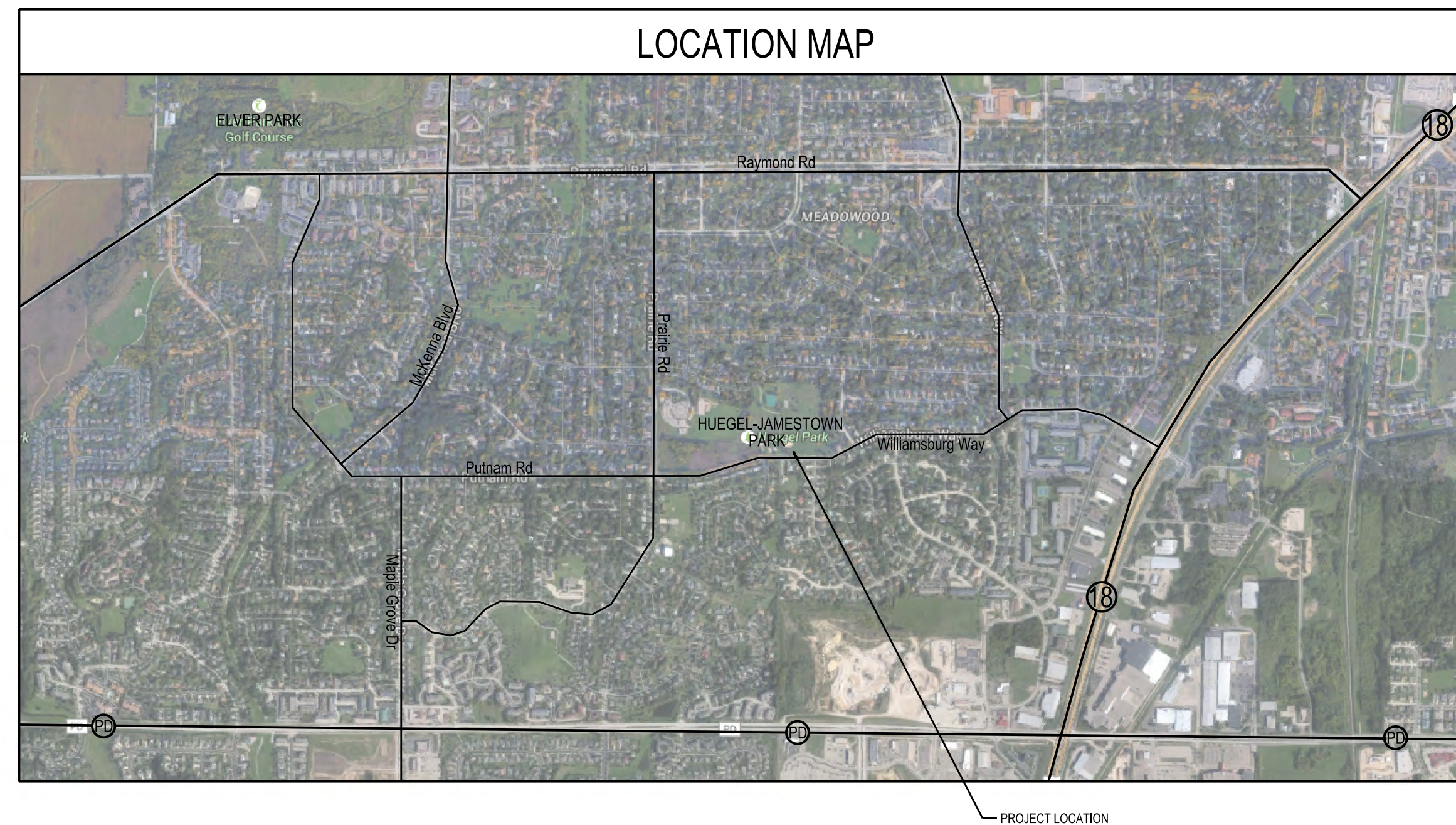




CONTRACT NO. 15-P-101-0

# HUEGEL - JAMESTOWN PARK SHELTER CITY OF FITCHBURG FITCHBURG, WISCONSIN



### 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  
C101 SITE LAYOUT AND UTILITY PLAN  
C201 SITE GRADING AND EROSION CONTROL PLAN  
C801 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

### SYMBOL LEGEND

100 DOOR NUMBER 100 SYMBOL REFERENCE DOOR SCHEDULE FOR SIZE AND TYPE OF DOOR

100 ROOM NUMBER 100 SYMBOL REFERENCE ROOM FINISH SCHEDULE FOR FINISHES

ELEVATION MARK ELEV. 100'-0"

DIMENSION TO FINISH (EXISTING OR NEW)

DIMENSION TO CENTERLINE (COL OR WALL)

DIMENSION TO NOMINAL MATERIAL

01 BUILDING OR WALL SECTION CALL OUT SECTION NUMBER 01 ON SHEET 200

01 DETAIL CALL OUT DETAIL NUMBER 01 ON SHEET 200

P1 WALL TYPE DESIGNATION SEE WALL TYPE SCHEDULE

B.F. BARRIER FREE FIXTURE SEE BARRIER FREE MOUNTING SCHEDULE FOR INFORMATION

### MATERIAL SYMBOL LEGEND

UNDISTURBED EARTH	COMPACTED FILL	METAL	CONCRETE BLOCK	PLYWOOD	ACOUSTICAL TILE
WOOD (BLOCKING)	BATT INSULATION	WOOD (ROUGH)	WOOD (FINISH)	LIGHTWEIGHT CONCRETE	BRICK
SAND	GLASS	CERAMIC TILE	GYPSUM BOARD	STONE OR MARBLE	GRAVEL
RIGID INSULATION	FLOOR TILE	PLASTER	METAL STUD	PLASTIC	GLASS BLOCK

**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



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

REGISTRATION STAMP AND SIGNATURE

### HUEGEL - JAMESTOWN PARK SHELTER CITY OF FITCHBURG

PROJECT NUMBER: 56790  
APPROVED BY: BTW  
ISSUANCES: DSPS Plan Review - 02/01/2016, BID/CONSTRUCTION - 02/09/2016  
2/8/2016

REVIEWED BY: JCT  
DRAWN BY: BTW  
REVISIONS:  
5:13:51 PM

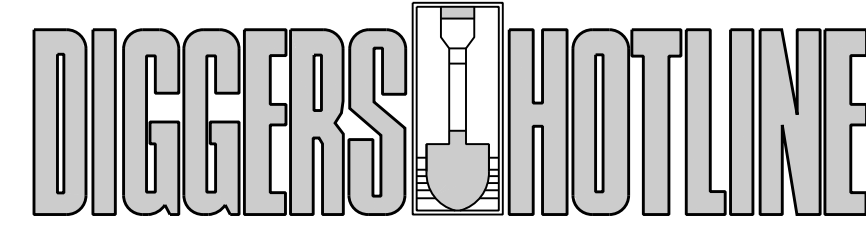
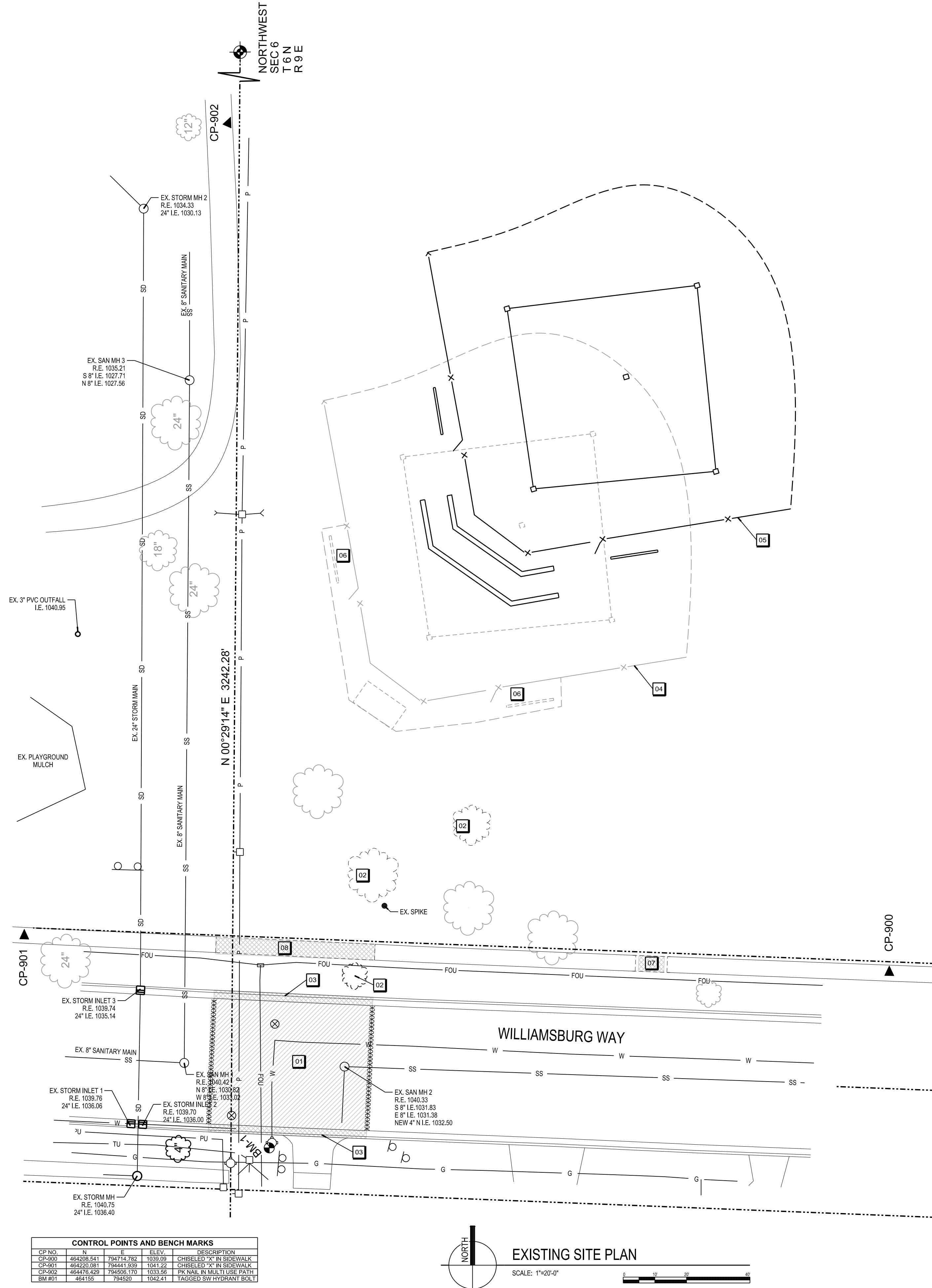
## G001

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SCALE: NONE  
PLOTTED BY: BRAW  
ORIGINAL SIZE: 24" x 36"  
X:\30790\Drawings\56790\G001.dgn

SCALE: 1"=20'-0"  
 PLOTTED BY: BAW

ORIGINAL SIZE: 24" x 36"  
 X:\3979\Drawings\960521\0.dgn



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 FAX A LOCATE 1-800-338-3860  
 TDD (HEARING IMPAIRED) 1-800-542-2289  
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ISSUANCES	REVISIONS
CITY OF MADISON WATER DEPT. REVIEW - 12/07/15	
BID/CONSTRUCTION - 02/09/2016	

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 Interior Design  
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**HUEGEL-JAMESTOWN  
 PARK SHELTER**  
 CITY OF FITCHBURG  
 FITCHBURG, WI

- KEYNOTES**
- SAWCUT AND REMOVE EXISTING BITUMINOUS PAVEMENT FOR UTILITY WORK. PROVIDE NEW BITUMINOUS PAVEMENT IN ACCORDANCE WITH CITY OF MADISON REQUIREMENTS.
  - CLEAR AND GRUB EXISTING TREES, BY CITY PRIOR TO START OF CONSTRUCTION.
  - REMOVE EXISTING CURB AND GUTTER DUE TO UTILITY WORK. REPLACE WITH NEW IN ACCORDANCE WITH CITY OF MADISON REQUIREMENTS.
  - EXISTING BALLFIELD LOCATION TO BE RELOCATED BY OWNER PRIOR TO CONSTRUCTION
  - PROPOSED NEW BALLFIELD LOCATION. TO BE RELOCATED PRIOR TO CONSTRUCTION.
  - EXISTING BALLFIELD DUGOUT BENCHES AND FENCING TO BE RELOCATED BY OWNER PRIOR TO CONSTRUCTION
  - EXISTING CONCRETE SIDEWALK TO BE REMOVED AND REPLACED FOR DRIVEWAY OPENING. SEE SHEET C101
  - EXISTING CONCRETE SIDEWALK TO BE REMOVED AND REPLACED FOR UTILITY INSTALLATIONS.
- SITE GENERAL NOTES**
- TRUE NORTH MAY VARY FROM PROJECT NORTH.
  - CONSTRUCTION PRACTICES, MEANS AND METHODS, AND JOB SITE SAFETY, SHALL REMAIN THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
  - ALL WORK SHALL BE PERFORMED IN COMPLIANCE WITH THE FEDERAL OCCUPATIONAL HEALTH AND SAFETY ADMINISTRATION (OSHA), AND ALL FEDERAL, STATE AND LOCAL CODES AND ORDINANCES AS THEY PERTAIN TO THIS PROJECT.
  - FIELD VERIFY ALL EXISTING AND PROPOSED UTILITIES, ELEVATIONS AND DIMENSIONS.
  - ALL EXTERIOR CONCRETE SIDEWALKS AND YARD SLABS SHALL BE 4,000 PSI ALL CONCRETE PAVEMENT SHALL BE 4,500 PSI UNLESS NOTED OTHERWISE.
  - ALL WORK PERFORMED WITHIN RIGHT OF WAY SHALL BE BY A CITY OF MADISON APPROVED CONTRACTOR.

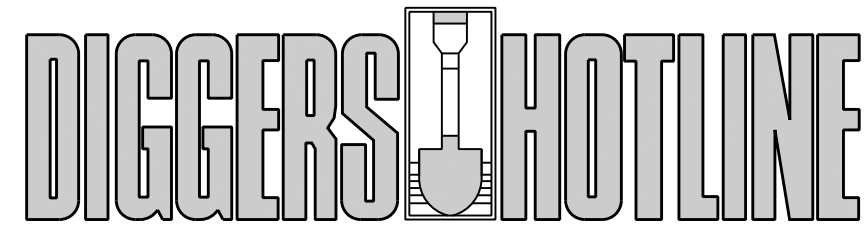
PROJECT NUMBER: 56790  
 APPROVED BY: J.H.  
 REVIEWED BY: JCT  
 DRAWN BY: KAU

EXISTING AND DEMOLITION SITE PLAN

**C100**

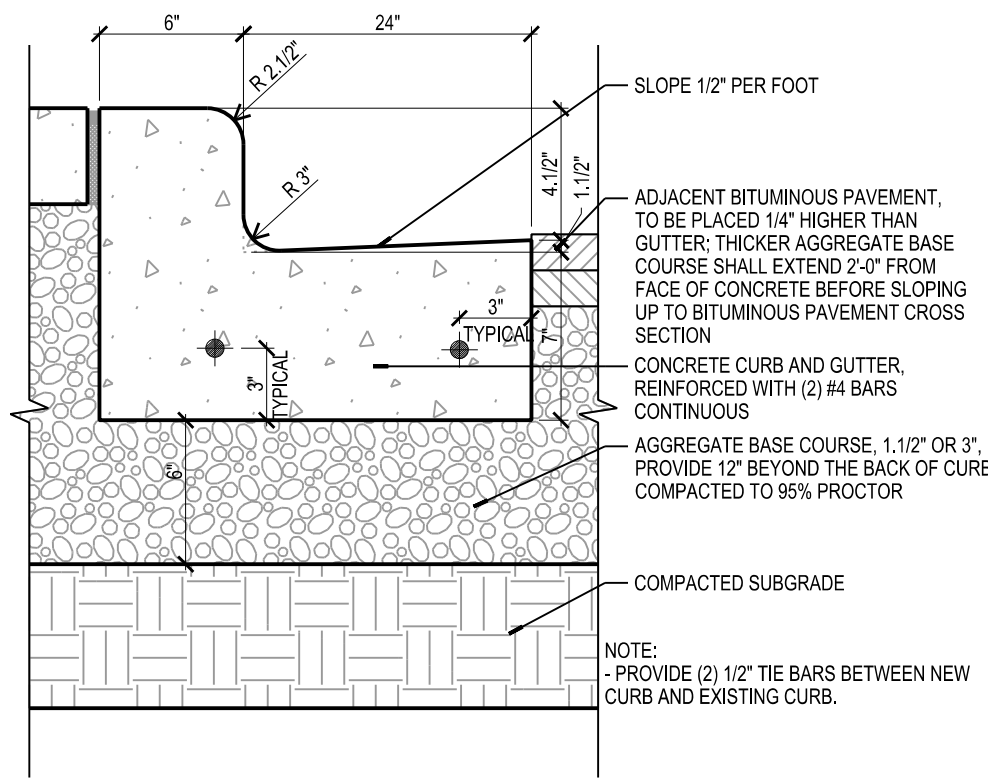
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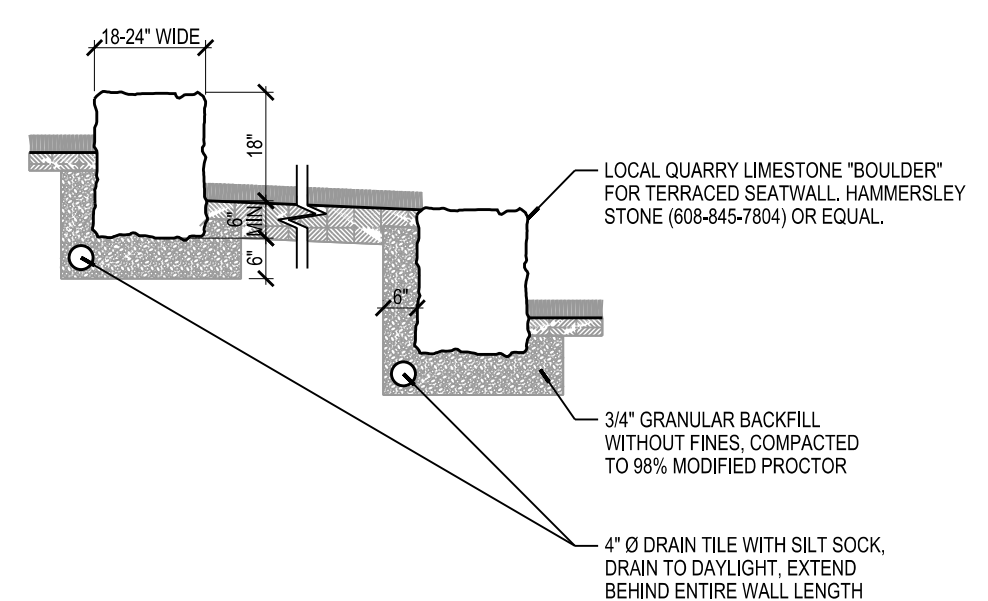


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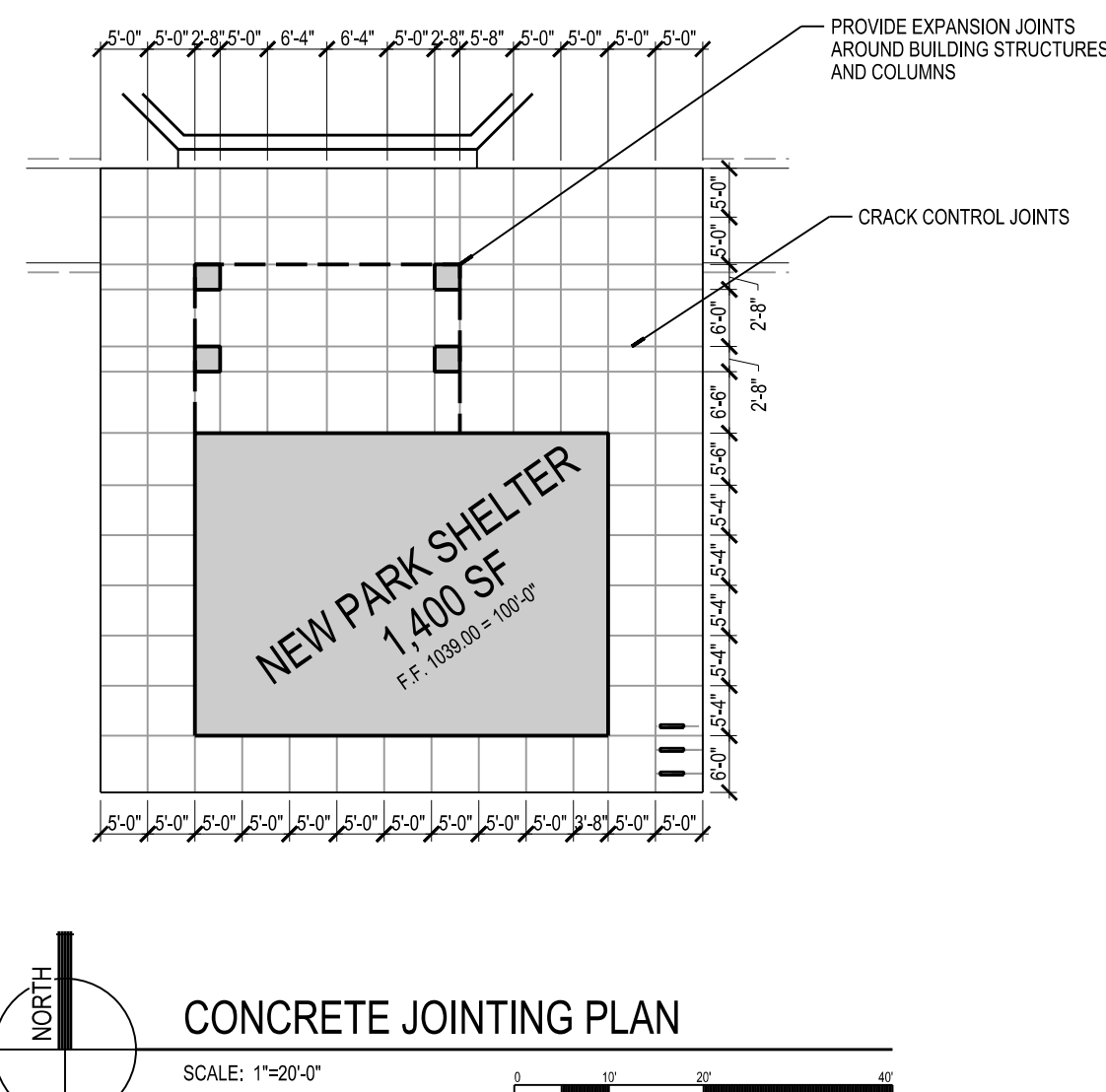
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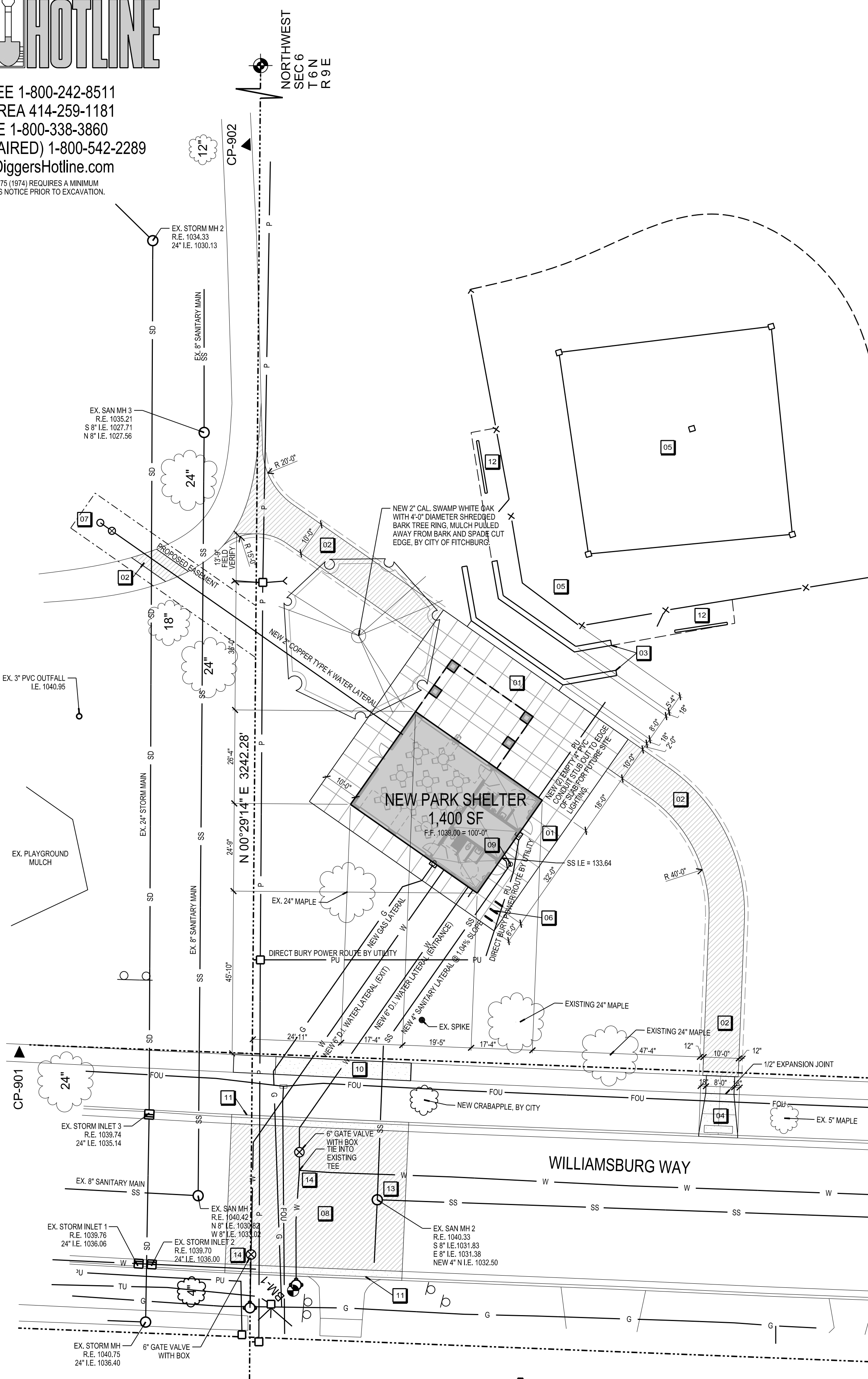
**24** CONCRETE 30" CURB & GUTTER  
**C101** SCALE: 1 1/2"=1'-0"



**23** QUARRY LANNONSTONE SEATWALL  
**C101** SCALE: 3/8"=1'-0"

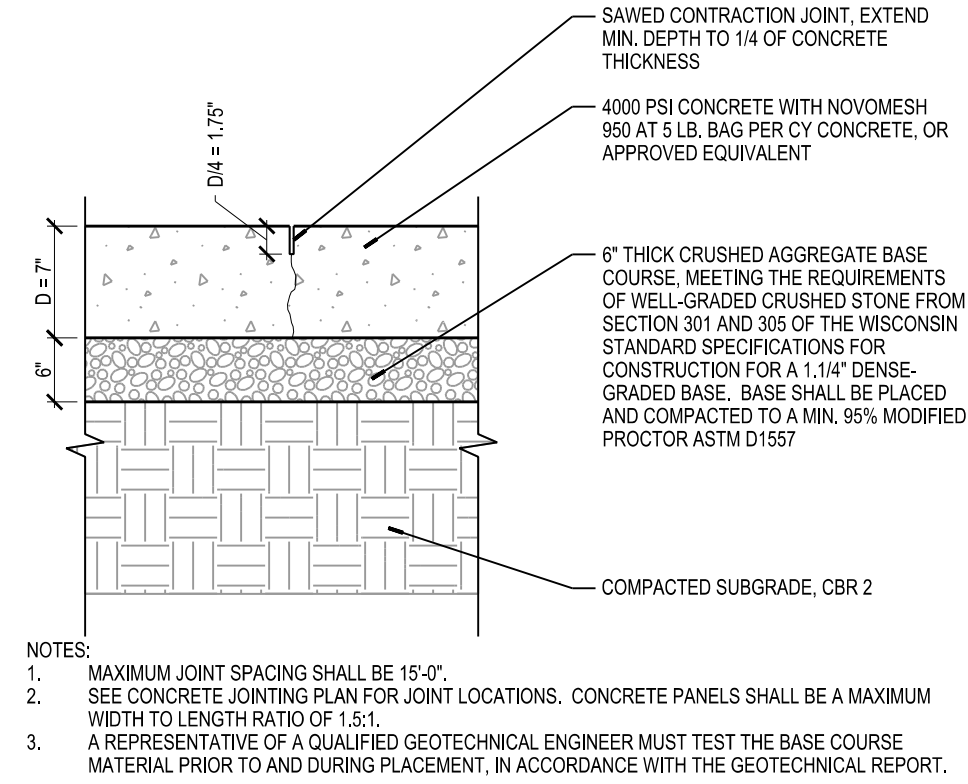


CONCRETE JOINTING PLAN  
SCALE: 1"=20'-0"

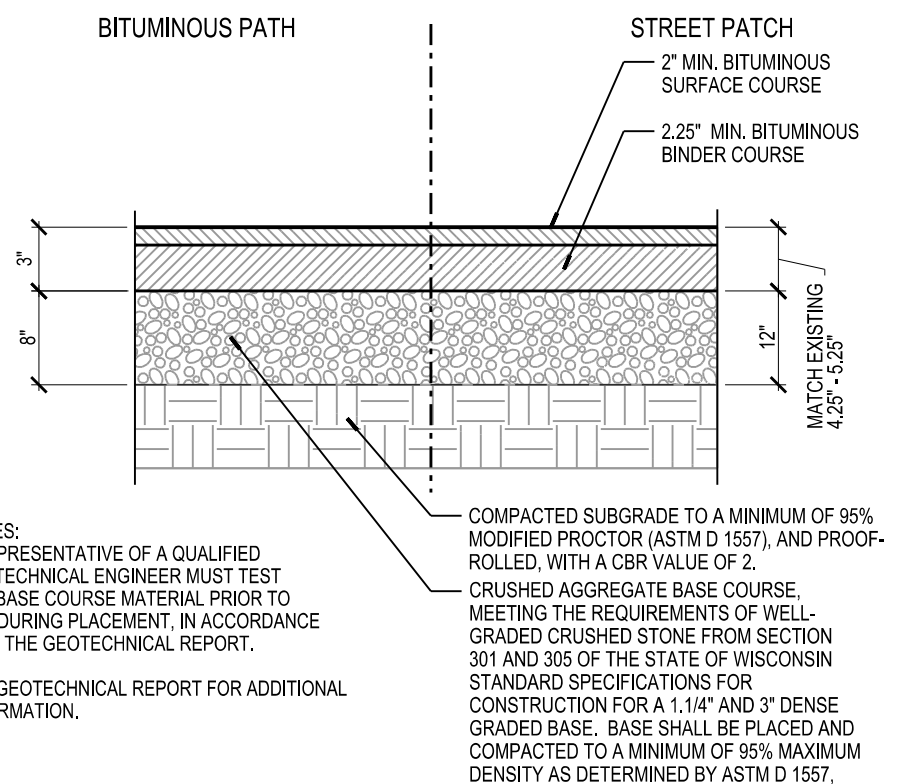


SITE LAYOUT AND UTILITY PLAN  
SCALE: 1"=20'-0"

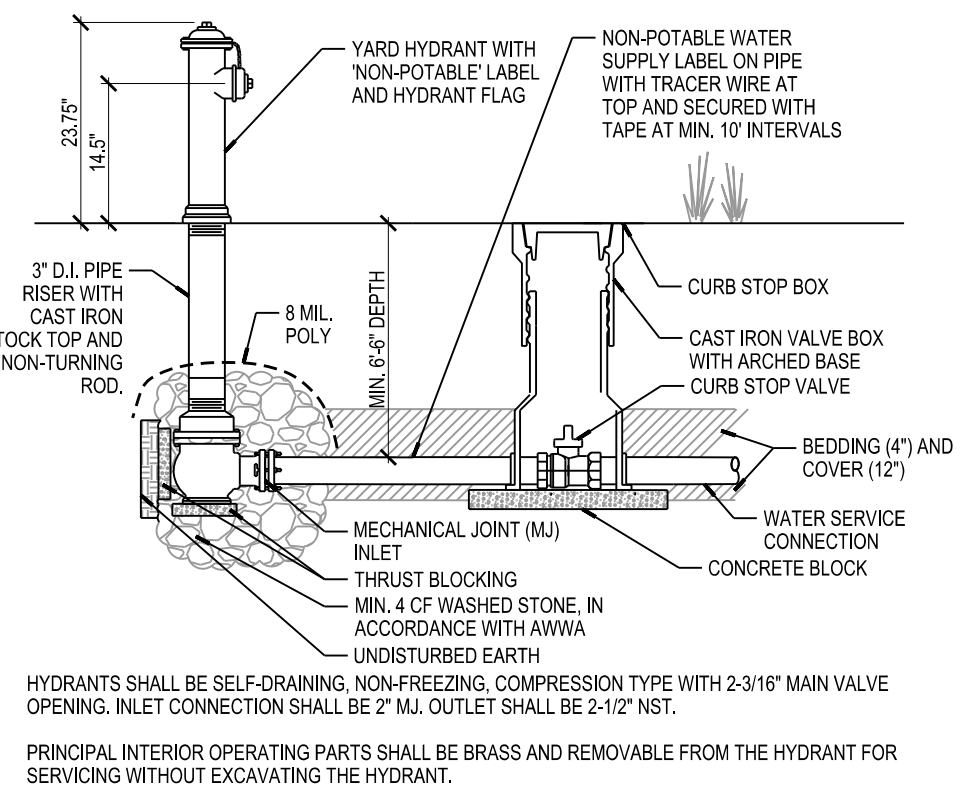
CP NO.	ELEV.	DESCRIPTION
CP-000	464.208	541 7947.4 782 1100.09 CHISELED "X" IN SIDEWALK
CP-001	464.202	081 7944.1 830 1041.72 CHISELED "X" IN SIDEWALK
CP-002	464.179	592 7945.0 172 1033.66 PK MARK IN MULCH PLANT
BM #01	464.155	794520 1042.41 TAGGED SW HYDRANT BOLT



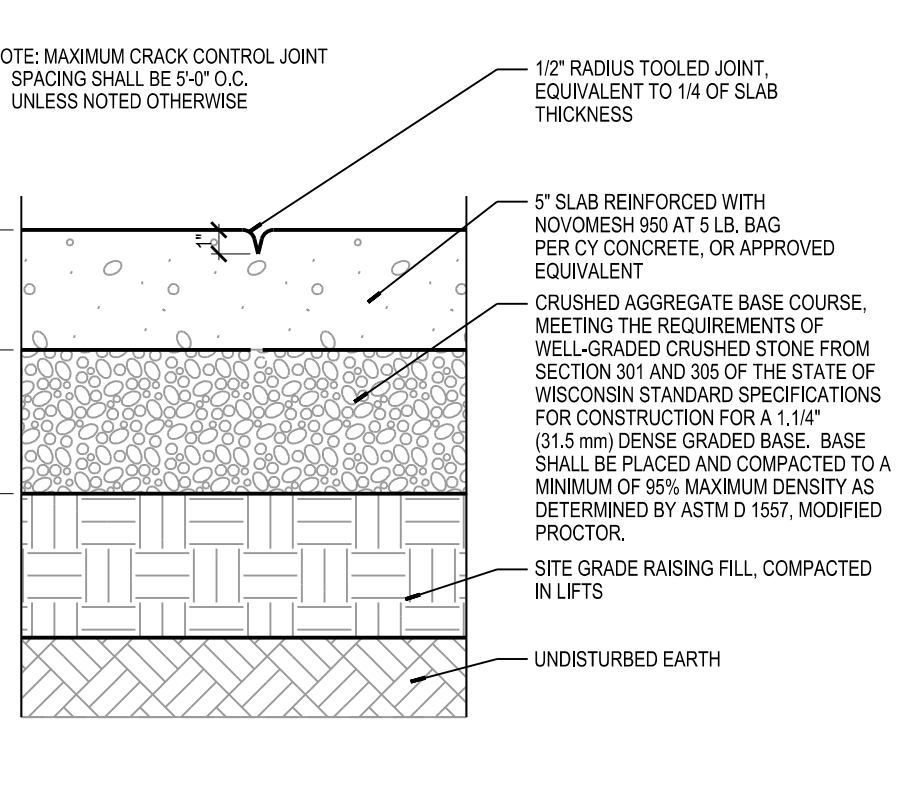
**08** CONCRETE PAVEMENT CONTRACTION JOINT  
**C101** SCALE: 1"=1'-0"



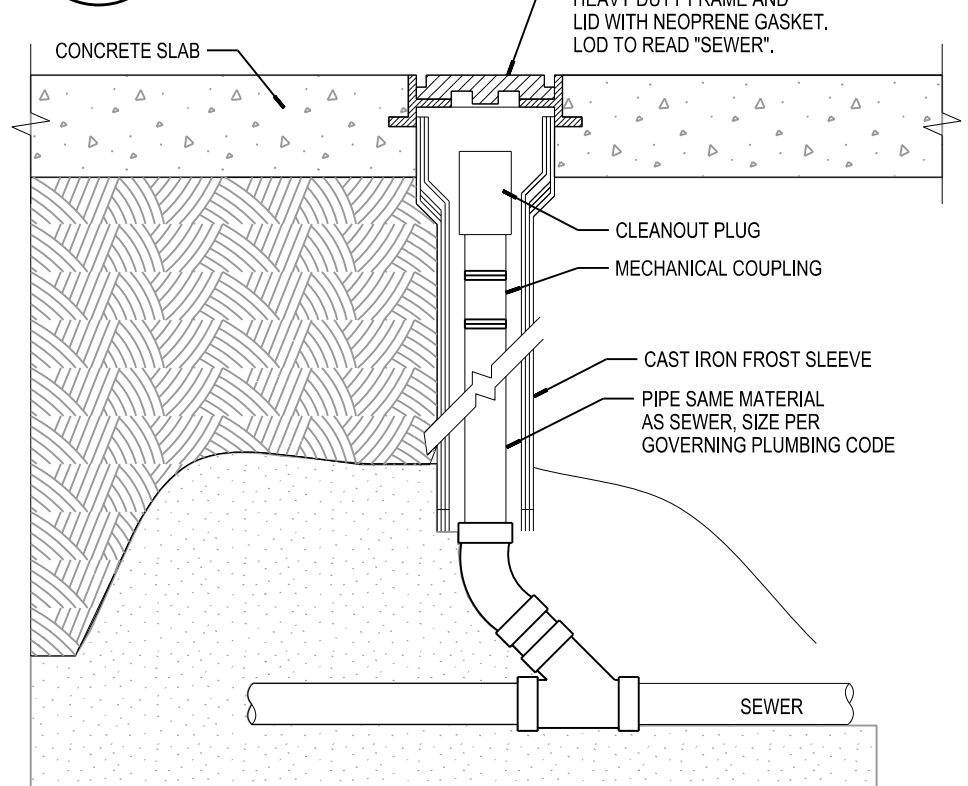
**04** BITUMINOUS PAVING DETAIL  
**C101** SCALE: 1"=1'-0"



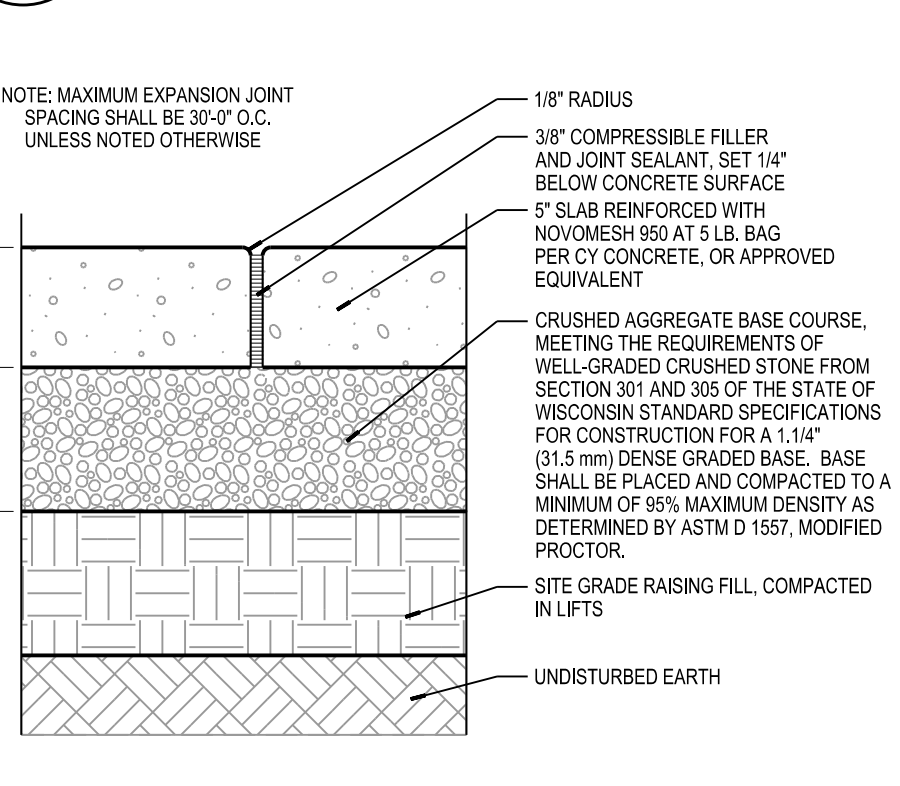
**07** YARD HYDRANT DETAIL  
**C101** SCALE: 1/4"=1'-0"



**03** SIDEWALK CRACK CONTROL JOINT DETAIL (CCJ)  
**C101** SCALE: 1 1/2"=1'-0"



**06** YARD CLEANOUT  
**C101** SCALE: NONE



**02** SIDEWALK EXPANSION JOINT DETAIL (EJ)  
**C101** SCALE: 1 1/2"=1'-0"

- KEYNOTES**
- NEW CONCRETE SIDEWALK; SEE DETAILS 02/C101 AND 03/C101
  - NEW BITUMINOUS PAVEMENT FOR BIKE PATH AND PARK MAINTENANCE ACCESS, BY OWNER, PER DETAIL 20/C801.
  - NEW NATIVE QUARRY LIMESTONE OUTCROPPING TO SERVE AS NATURAL SEATING AREA, APPROXIMATELY 24' TOTAL HEIGHT WITH 8' BURIED (12' ABOVE GRADE); SEE DETAIL 23/C101 AND GRADING PLAN. PROVIDE MOVED LAWN BETWEEN WALLS.
  - NEW 7" THICK CONCRETE APRON AND SIDEWALK IN ACCORDANCE WITH CITY OF FITCHBURG STANDARD DETAIL 4.03 COMMERCIAL DRIVEWAY; SEE DETAIL 08/C101. SAVICUT OPENING AND PROVIDE 10'X2' TRUNCATED JOINT INSET.
  - NEW LOCATION OF BALLFIELD, TO BE RELOCATED BY OWNER PRIOR TO CONSTRUCTION.
  - NEW CITY OF FITCHBURG CUSTOM LEAF BIKE RACK, PROVIDED BY CITY, AND INSTALLED BY GENERAL CONTRACTOR.
  - NEW ECLIPSE NO. 2 POST HYDRANT, PAINTED BLUE (WWW.HYDRANTS.COM) WITH MJ INLET OR APPROVED EQUAL. SEE DETAIL 07/C101.
  - SAVICUT EXISTING BITUMINOUS PAVEMENT AND PATCH IN ACCORDANCE WITH CITY OF MADISON REQUIREMENTS. MATCH EXISTING PAVEMENT THICKNESS UP TO 5.25" (MIN. 4.25" THICK). SEE DETAIL 04/C101.
  - NEW SANITARY YARD CLEANOUT. SEE DETAIL 06/C101. NEW 4" PVC SANITARY EXIT BUILDING I.E. 1033.49. MAINTAIN CLEARANCES FROM SANITARY LATERAL IN ACCORDANCE WITH SPS 382.40
  - REPLACE CONCRETE SIDEWALK FOR UTILITY WORK. SEE DETAILS 02/C101 AND 03/C101
  - REPLACE CONCRETE CURB, GUTTER AND BASE COURSE PER CITY OF MADISON REQUIREMENTS, SIMILAR TO DETAIL 24/C101. FIELD VERIFY EXISTING CURB DIMENSIONS.
  - EXISTING DUSTOUT BENCHES AND FENCING TO BE RELOCATED BY OWNER PRIOR TO CONSTRUCTION
  - CONNECT TO EXISTING SANITARY STRUCTURE. PROVIDE CORED CONNECTION WITH WATER TIGHT SEAL. BOTTOM OF CORE SHALL BE 3'-4" ABOVE BOTTOM OF EXISTING FLOW LINE AND EXTEND TO EXISTING FLOW LINE.
  - REMOVE EXISTING TEE AND ROTATE. PROVIDE NEW ARMOR TIPPED GASKETS.

- SITE GENERAL NOTES**
- TRUE NORTH MAY VARY FROM PROJECT NORTH.
  - CONSTRUCTION PRACTICES, MEANS AND METHODS, AND JOB SITE SAFETY, SHALL REMAIN THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
  - ALL WORK SHALL BE PERFORMED IN COMPLIANCE WITH THE FEDERAL OCCUPATIONAL HEALTH AND SAFETY ADMINISTRATION (OSHA), AND ALL FEDERAL, STATE AND LOCAL CODES AND ORDINANCES AS THEY PERTAIN TO THIS PROJECT.
  - FIELD VERIFY ALL EXISTING AND PROPOSED UTILITIES, ELEVATIONS AND DIMENSIONS.
  - COORDINATE WITH THE AUTHORITY HAVING JURISDICTION AND UTILITY COMPANIES AS NECESSARY.
  - ALL EXTERIOR CONCRETE SIDEWALKS, CURBS, PAVEMENTS AND YARD SLABS SHALL BE 4,000 PSI.
  - ALL DISTURBED AREAS SHALL BE RESTORED TO SEEDED LAWN UNLESS OTHERWISE NOTED.
  - RESTORATION SHALL BE COMPLETED AS NOTED IN THE CONSTRUCTION SCHEDULE UNLESS OTHERWISE AUTHORIZED BY THE CITY. ALL PUBLIC IMPROVEMENTS (IE CURB AND GUTTER, SIDEWALKS, DRIVEWAYS, TOPSOIL, VEGETATIVE COVER, TERRACE TREES, UNDERGROUND UTILITIES, STORM WATER CONVEYANCE, ETC.) SHALL BE INSTALLED AND/OR RESTORED IN ACCORDANCE WITH THE CITY OF FITCHBURG STANDARD SPECIFICATIONS, CURRENT EDITION.
  - WORK SCHEDULE FOR STREET WORK SHALL BE 21 CALENDAR DAYS TOTAL. STREET MUST BE REPAVED WITHIN 7 DAYS OF UTILITY WORK COMPLETION.
  - ALL WORK PERFORMED WITHIN RIGHT OF WAY SHALL BE BY A CITY OF MADISON APPROVED CONTRACTOR.
  - CONTRACTOR SHALL INSTALL AND MAINTAIN SECURITY FENCING AROUND PERIMETER OF SITE. SEE C201.
  - ALL BACKFILL MATERIAL WITHIN THE RIGHT OF WAY SHALL BE GRANULAR IN ACCORDANCE WITH CITY OF FITCHBURG STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION. BACKFILL MATERIAL SHALL BE COMPACTED TO A MIN. 95% MODIFIED PROCTOR FROM 7' ABOVE PIPE TO 3' BELOW SUBGRADE, AND 95% MODIFIED PROCTOR FROM 3' BELOW SUBGRADE TO SUBGRADE.

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**HUEGEL-JAMESTOWN**  
PARK SHELTER  
CITY OF FITCHBURG  
FITCBURG, WI

PROJECT NUMBER: 56730  
APPROVED BY: JAH  
REVIEWED BY: JCT  
DRAWN BY: KAU  
DATE: 2/8/2016 5:03:45 PM

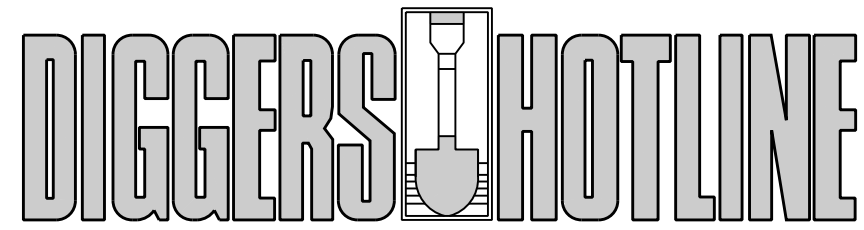
ISSUANCES  
CITY OF MADISON WATER DEPT. REVIEW - 12/07/15  
BID CONSTRUCTION - 10/09/2016

REVISIONS

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EROSION CONTROL NOTES	
<b>This project is anticipated to disturb approximately 0.47 Acres.</b>	
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/SEHSVC/LOGIN). 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 USLE 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 <a href="http://dnr.wi.gov/topic/stormwater/standards/const_standards.html">http://dnr.wi.gov/topic/stormwater/standards/const_standards.html</a>
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 UPON INLET INSTALLATION. COMPLY WITH WDNR TECHNICAL STANDARD STORM DRAIN INLET PROTECTION FOR CONSTRUCTION SITES #1060.
9	STAGE CONSTRUCTION GRADING ACTIVITIES TO MINIMIZE THE CUMMULATIVE 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.

- 11) 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.
- 12) 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.
- 13) 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.
- 14) IMMEDIATELY STABILIZE STOCKPILES AND SURROUND STOCKPILES WITH SILT FENCE OR OTHER PERIMETER CONTROL IF STOCKPILES WILL REMAIN INACTIVE FOR 7 DAYS OR LONGER.
- 15) STABILIZE AREAS OF FINAL GRADING WITHIN 7 DAYS.
- 16) 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.
- 17) CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST PER WDNR TECHNICAL STANDARD DUST CONTROL ON CONSTRUCTION SITES # 1068.
- 18) 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.
- 19) 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.
- 20) 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/botw/>



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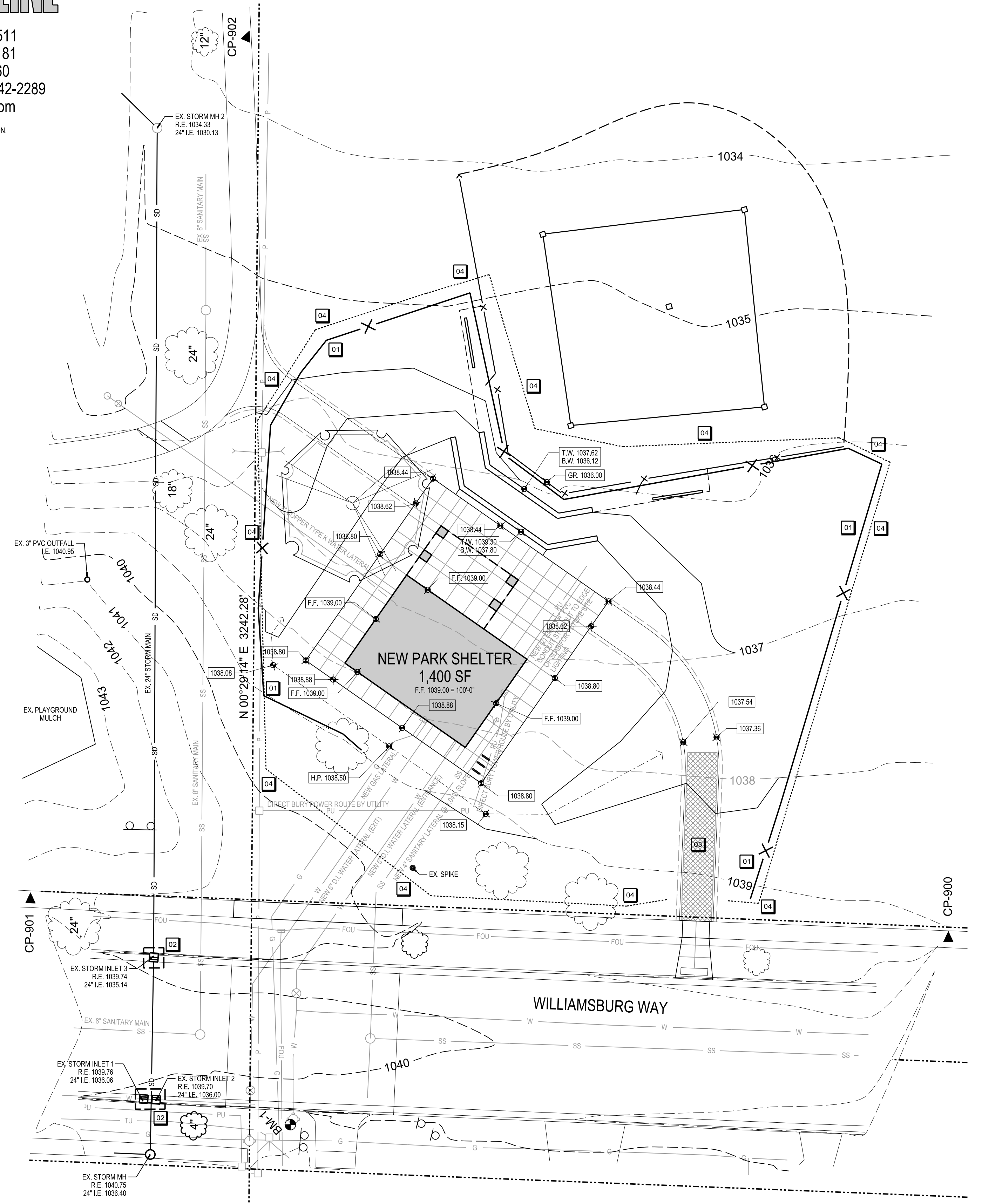
WISCONSIN STATUTE 182.0175 (1974) REQUIRES A MINIMUM OF THREE (3) WORKING DAYS NOTICE PRIOR TO EXCAVATION.

**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.

Activity	Start	End
1) Install silt fence and protect inlets and outlets. Install stone tracking pad and aggregate base for pavement. Perform topsoil removal, mass grading operations. Temporarily seed.	4/1/2016	10/1/2016
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

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

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



CP NO.	N	E	ELEV.	DESCRIPTION
CP-900	464208.441	784744.812	1038.09	CHISELED "X" IN SIDE WALK
CP-901	464203.031	784441.939	1041.22	CHISELED "X" IN SIDE WALK
CP-902	464476.429	784406.170	1033.36	BR NAIL IN MUL TYPESH PATHT
BM-901	464155	784200	1043.43	TRANGLED 300 PLYWOOD BOLT

**SITE GRADING AND EROSION CONTROL PLAN**  
 SCALE: 1"=20'-0"

- KEYNOTES**
- 01 TEMPORARY SILT FENCE. SEE DETAIL 11/C801.
  - 02 TEMPORARY INLET PROTECTION. SEE DETAIL 09/C801.
  - 03 TEMPORARY STONE TRACKING PAD. SEE DETAIL 13/C801.
  - 04 SITE PERIMETER SECURITY FENCING. BY GENERAL CONTRACTOR.

**GENERAL NOTES**

1. PLACE SIX INCHES OF TOPSOIL OVER ALL DISTURBED AREAS GRADED TO WITHIN 0.1" OF FINAL GRADE. OWNER TO FURNISH LANDSCAPING.

SCALE: 1"=20'-0"  
 PLOTTED BY: BAW

ORIGINAL SIZE: 24" x 36"  
 X:\3979\04\557960\2016.dgn

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**HUEGEL-JAMESTOWN  
 PARK SHELTER  
 CITY OF FITCHBURG  
 FITCHBURG, WI**

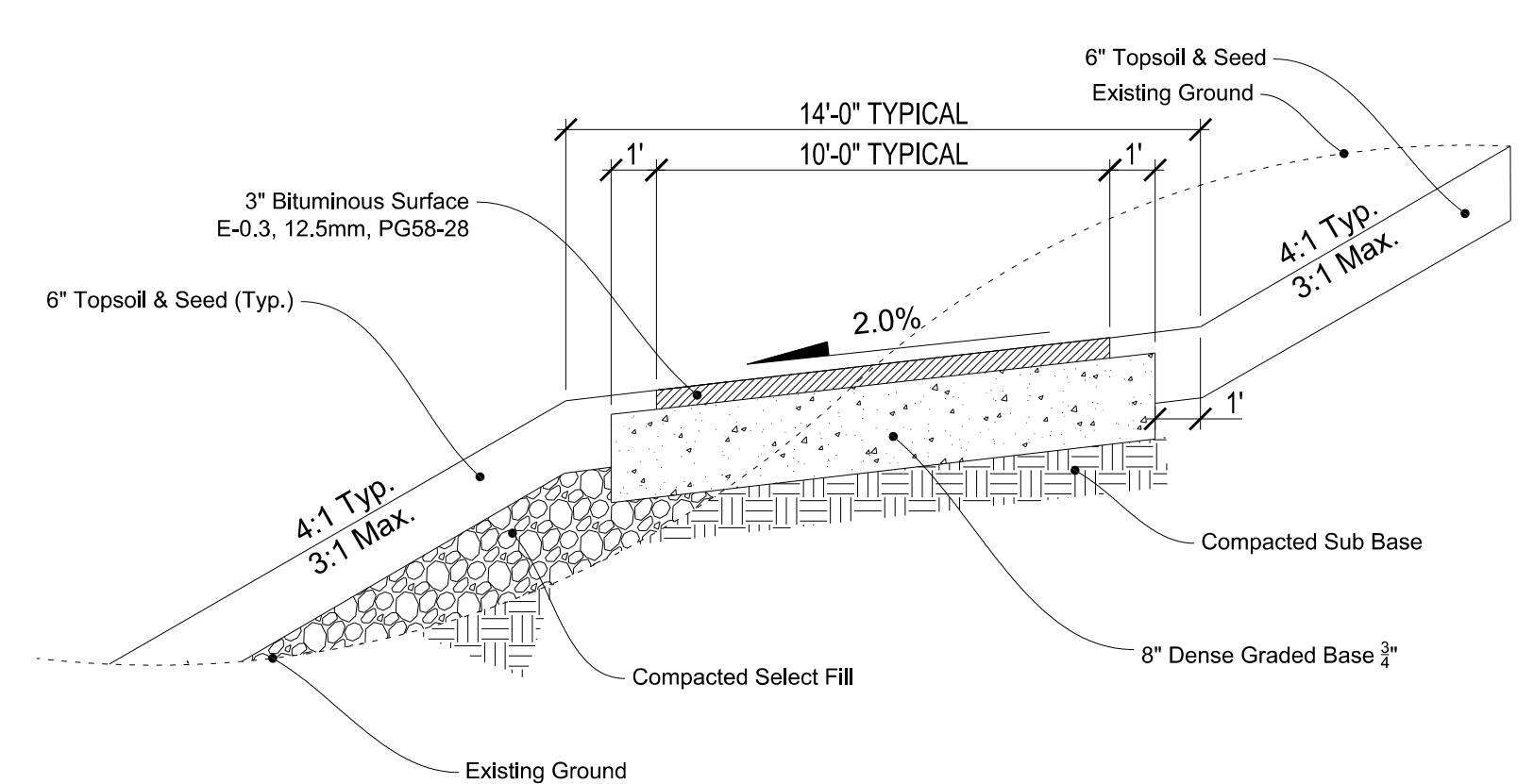
PROJECT NUMBER: 56790  
 APPROVED BY: JAH  
 REVIEWED BY: JCT  
 DRAWN BY: KAU  
 2/8/2016 5:03:46 PM

SITE GRADING AND EROSION CONTROL PLAN

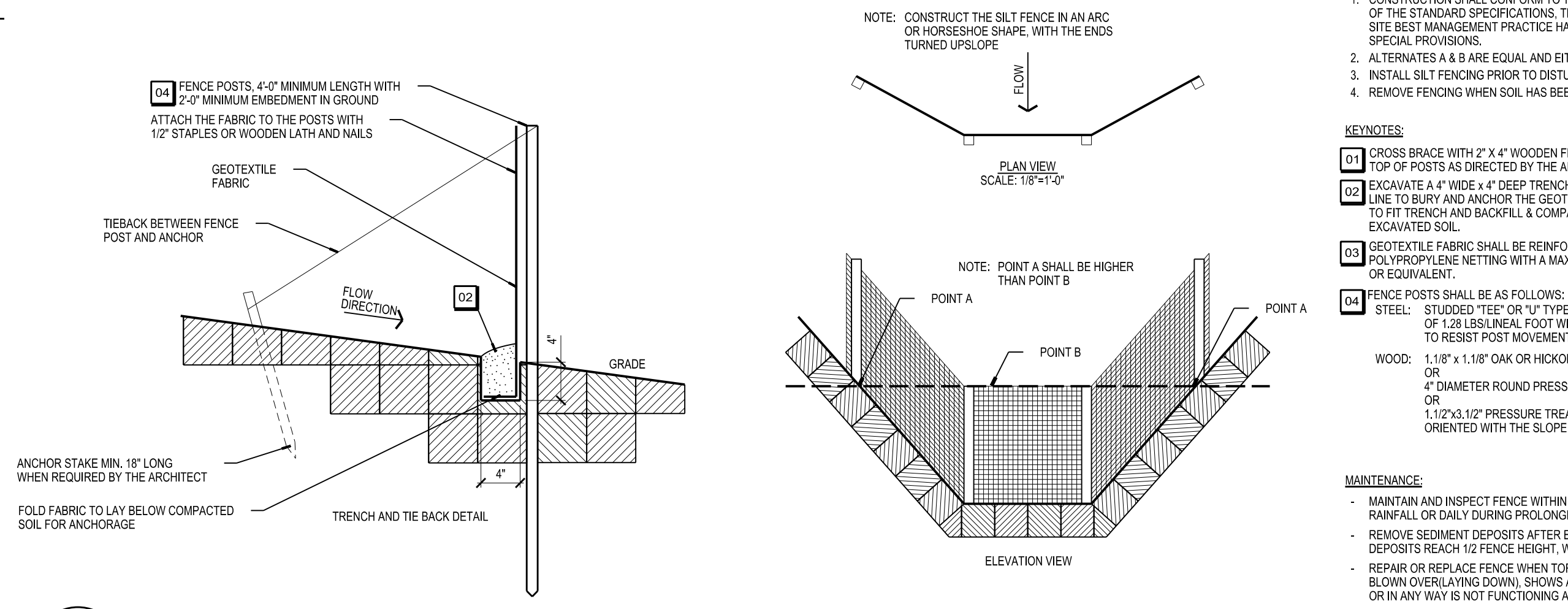
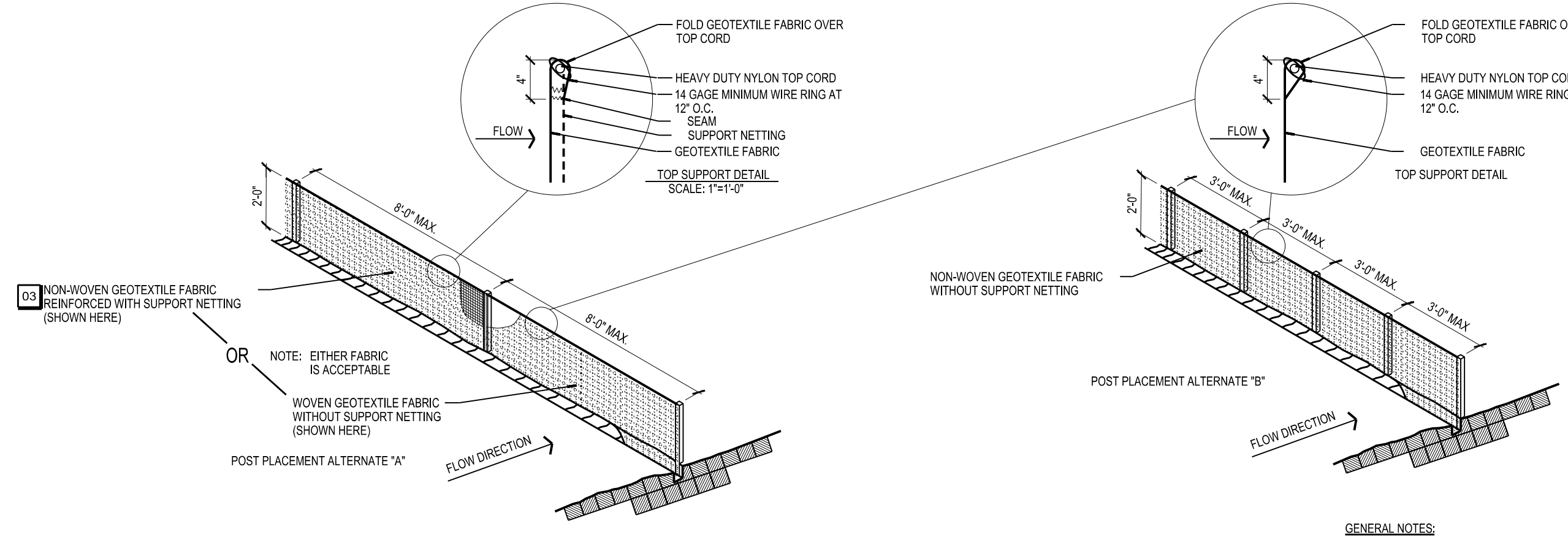
**C201**



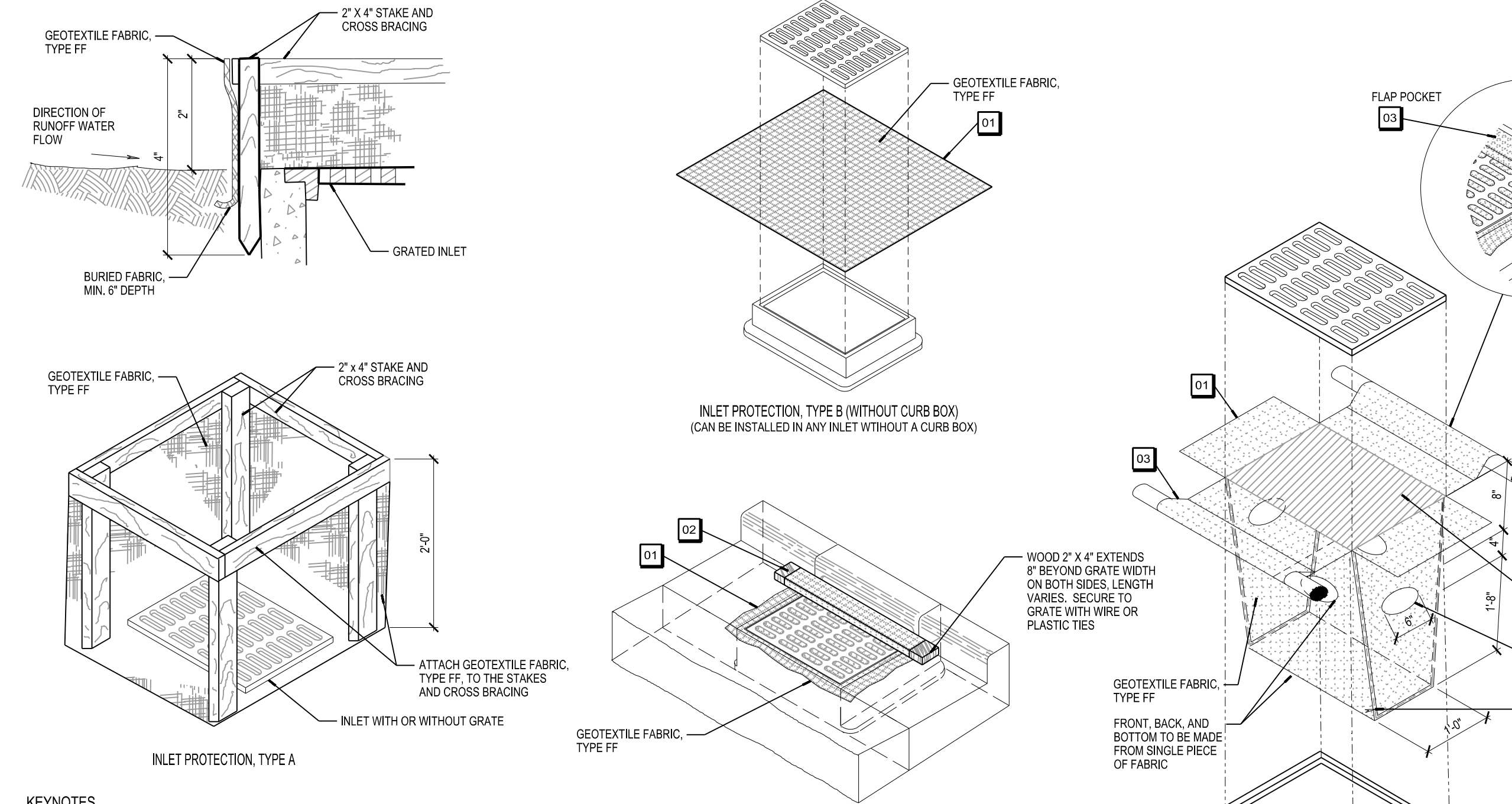
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 SCALE: 1/8"=1'-0"  
 PLOTTED BY: BAW/5



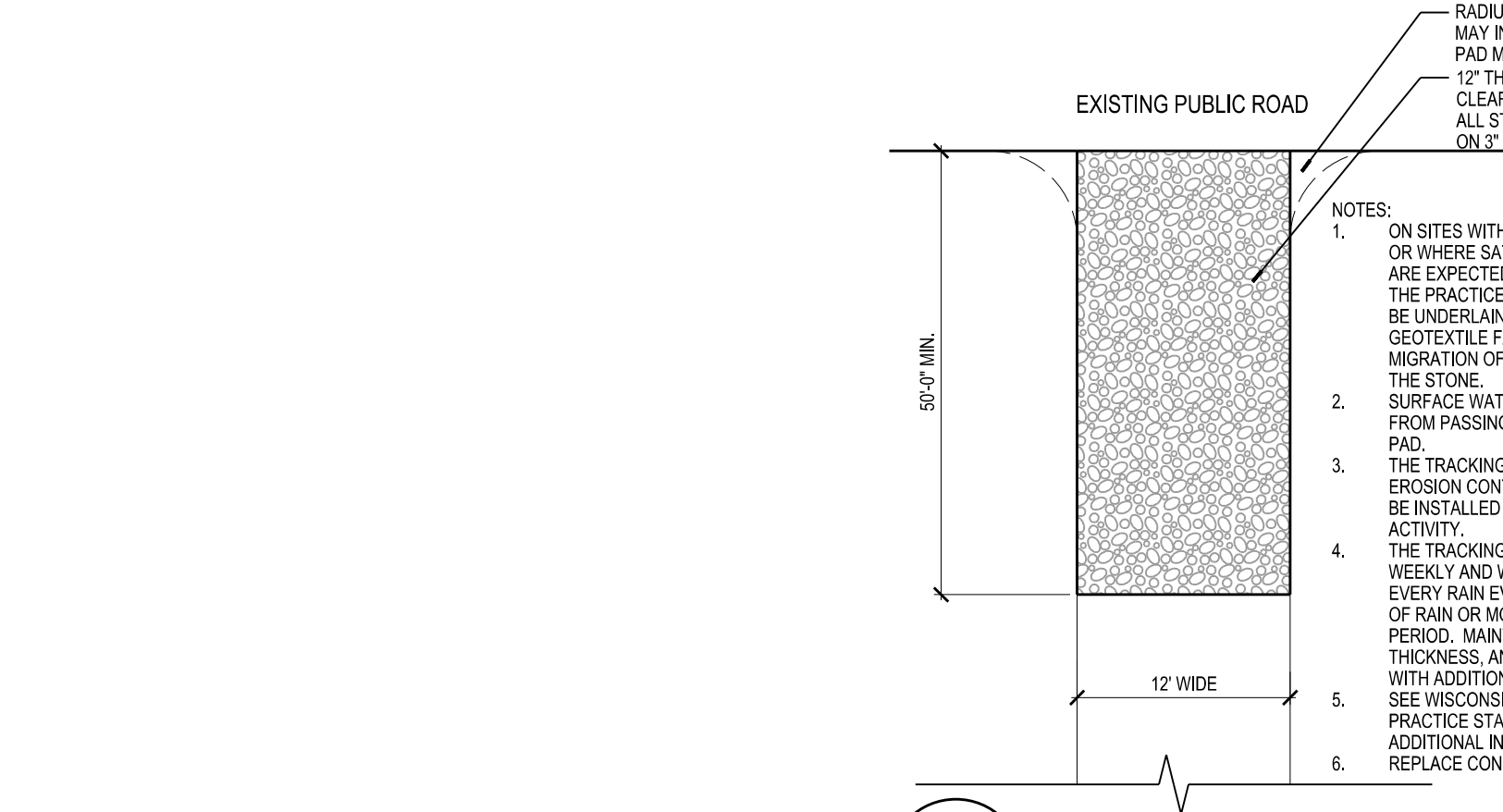
**20** CITY OF FITCHBURG MULTI-USE PATH STANDARD DETAIL  
 C801 SCALE: N.T.S.



**11** OVERLAND FLOW SILT FENCE DETAILS  
 C801 SCALE: NOT TO SCALE



**09** STORM DRAIN INLET PROTECTION - TYPES A, B, C AND D  
 C801 SCALE: 1/2"=1'-0"



**13** STONE TRACKING PAD DETAIL  
 C801 SCALE: 1"=20'-0"

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 REVIEWED BY: J.C.T.  
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**HUEGEL-JAMESTOWN PARK SHELTER**  
**CITY OF FITCHBURG**  
**FITCHBURG, WI**

ISSUANCES  
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 BID CONSTRUCTION - 02/09/2016

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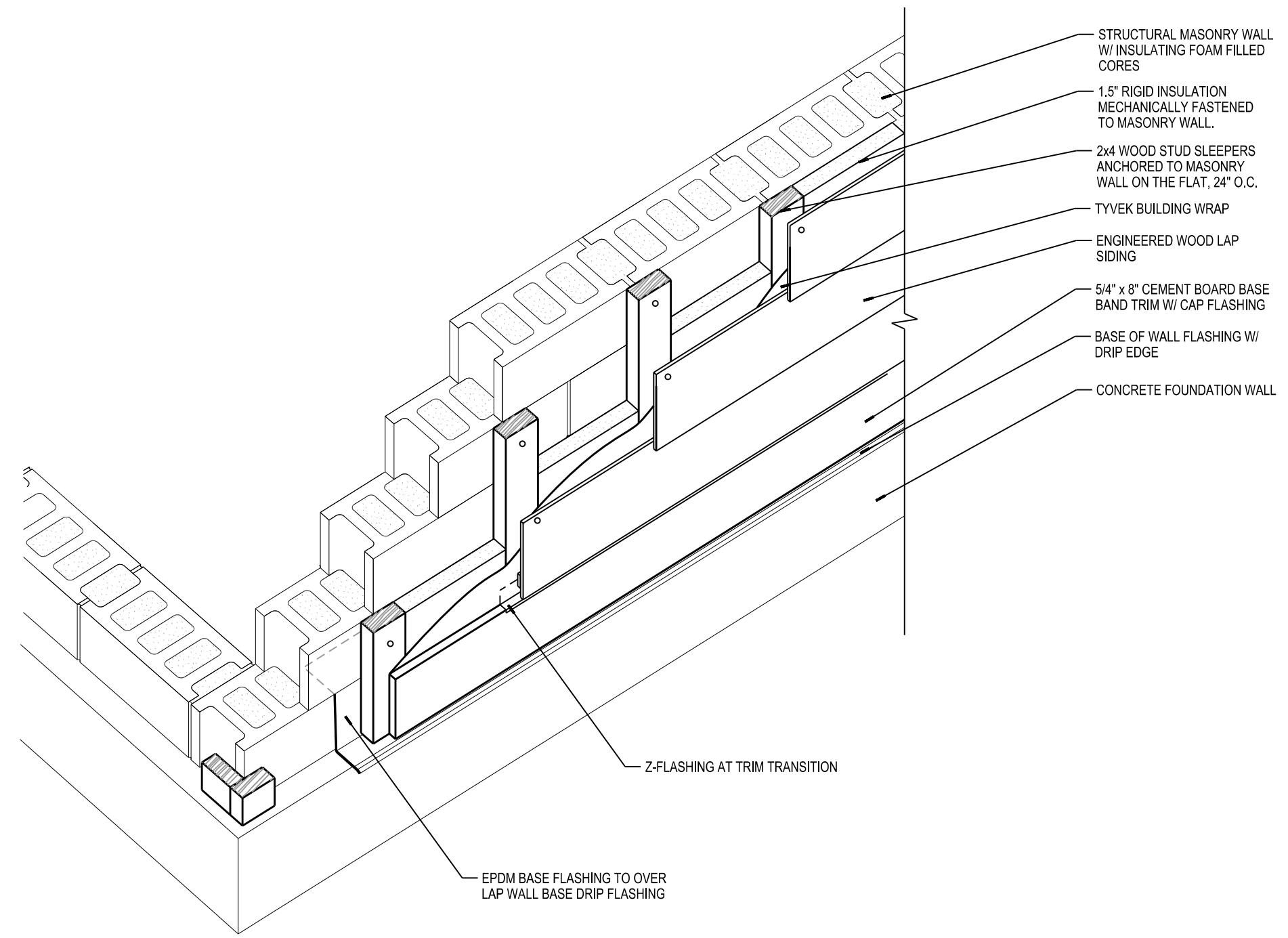
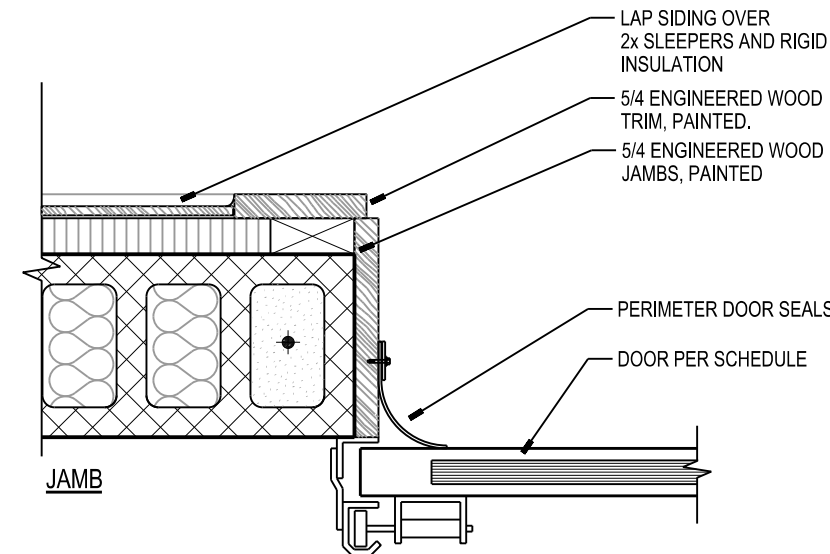
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### DOOR AND FRAME SCHEDULE

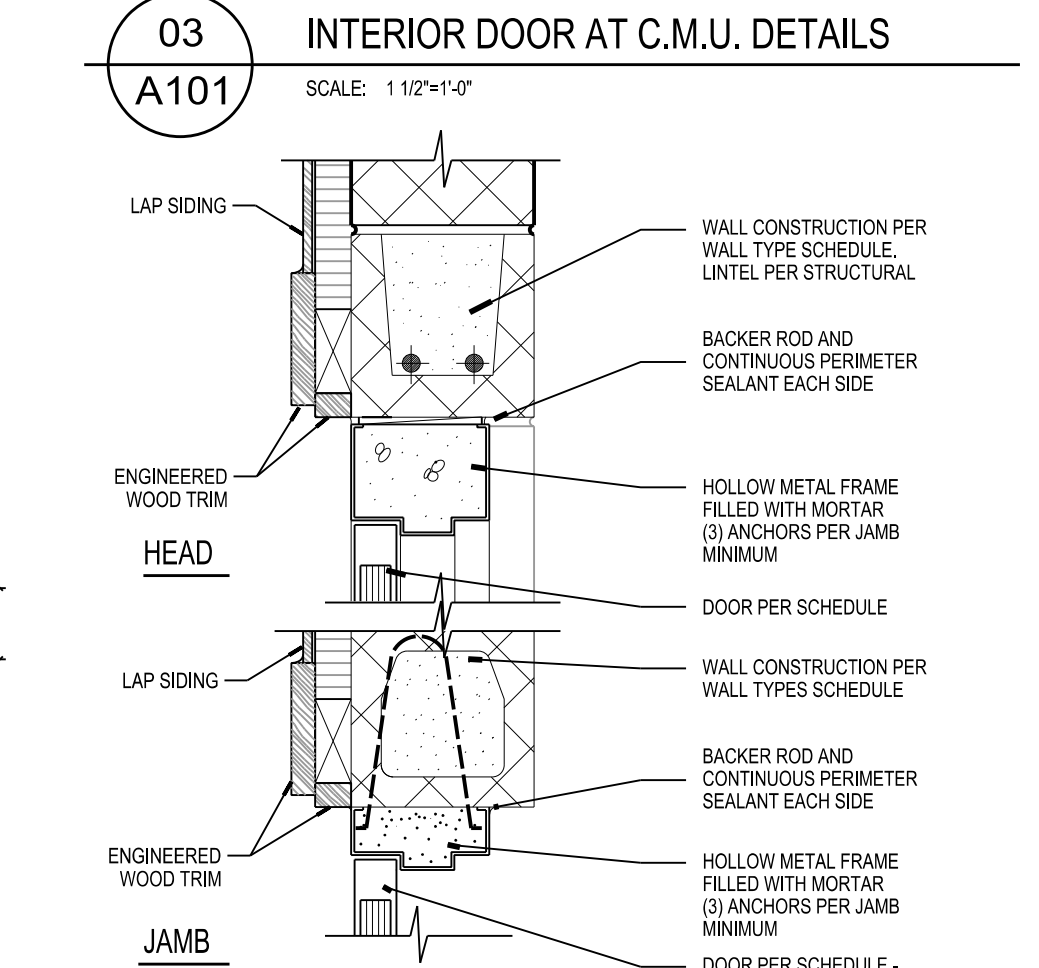
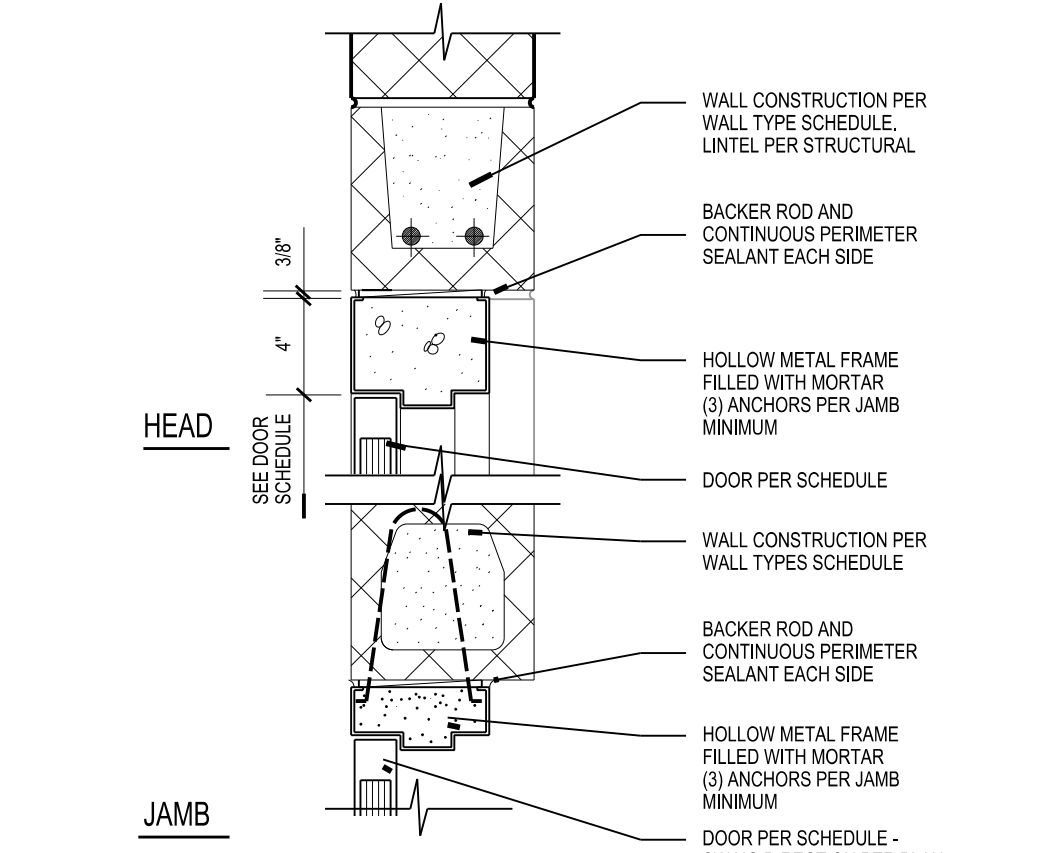
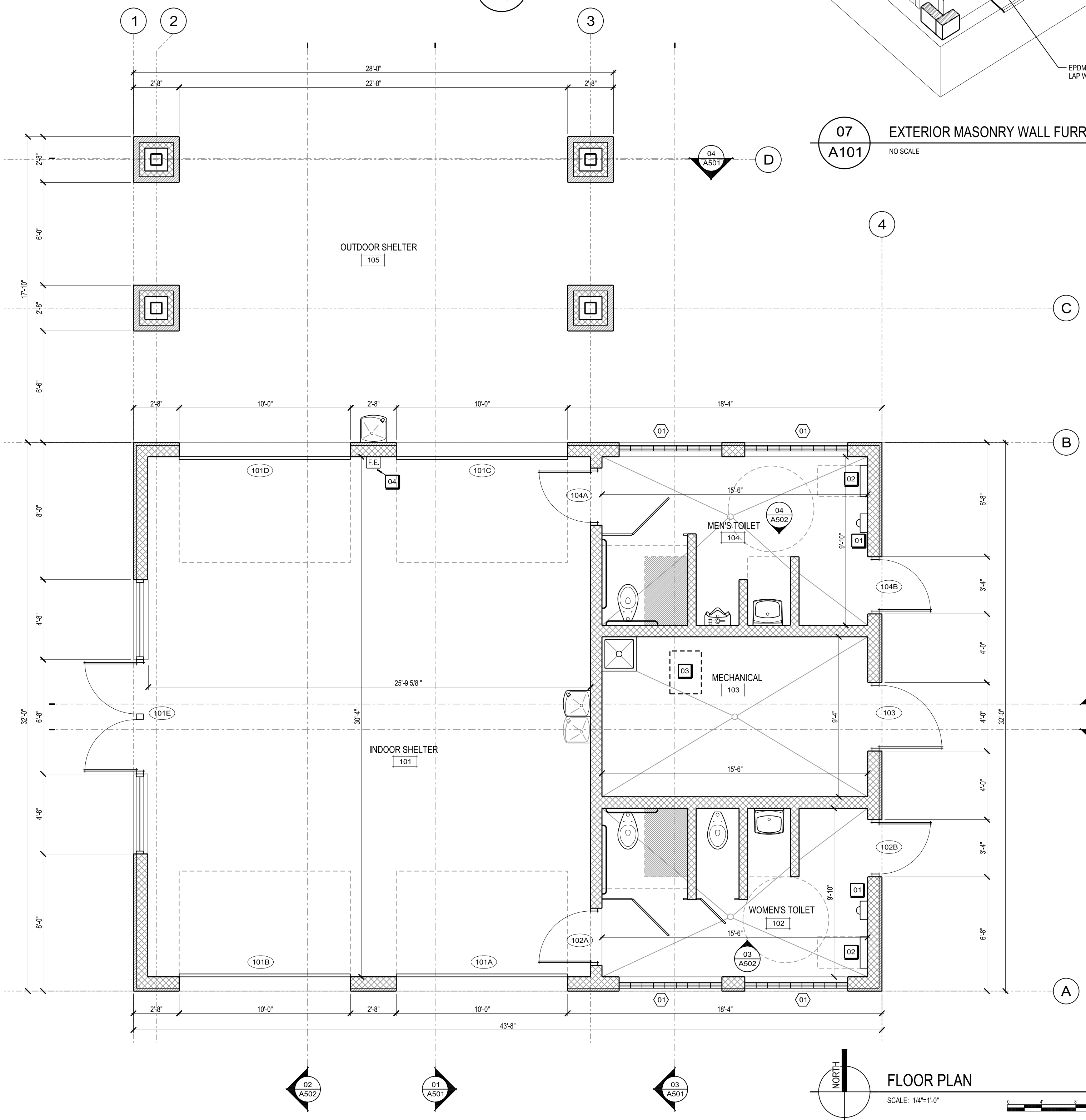
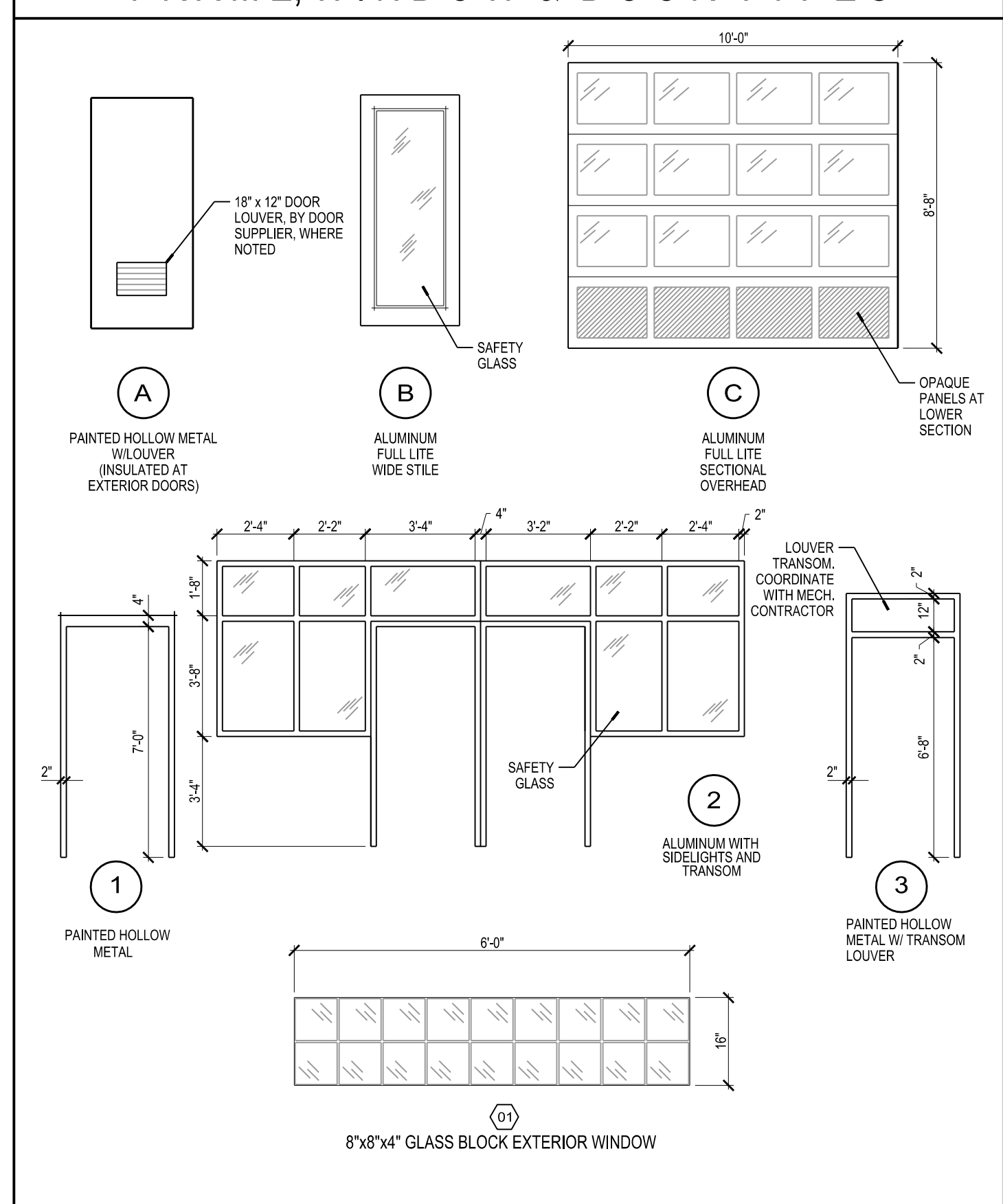
DOOR NUMBER	SIZE (WIDTH X HEIGHT)	DETAILS			REMARKS	
		DOOR TYPE	FRAME TYPE	HARDWARE SET		
101A	10'-0" x 8'-8"	C	5	09/A701	12/A101	KEYED SWITCH FOR OPERATOR UP/DOWN
101B	10'-0" x 8'-8"	C	5	09/A701	12/A101	KEYED SWITCH FOR OPERATOR UP/DOWN
101C	10'-0" x 8'-8"	C	5	09/A701	12/A101	KEYED SWITCH FOR OPERATOR UP/DOWN
101D	10'-0" x 8'-8"	C	5	09/A701	12/A101	KEYED SWITCH FOR OPERATOR UP/DOWN
101E	(2) 3'-0" x 7'-0"	B	2	21/A101	21/A101	PREP FRAME FOR ACCESS CONTROL
102A	3'-0" x 7'-0"	A	1	03/A101	03/A101	18"x12" DOOR LOUVER BY DOOR SUPPLIER
102B	3'-0" x 7'-0"	A	1	02/A101	02/A101	PREP FRAME FOR ACCESS CONTROL
103	3'-8" x 6'-8"	A	3	02/A101	02/A101	LOUVER IN DOOR FRAME TRANSOM
104A	3'-0" x 7'-0"	A	1	03/A101	03/A101	18"x12" DOOR LOUVER BY DOOR SUPPLIER
104B	3'-0" x 7'-0"	A	1	02/A101	02/A101	PREP FRAME FOR ACCESS CONTROL

### ROOM FINISH SCHEDULE

NO.	ROOM NAME	FLOOR	BASE	WALLS	CEILING	GENERAL NOTES
<b>LEGEND</b> ○ ENTIRE ROOM ⊗ NORTH ⊗ SOUTH ⊗ EAST ⊗ WEST						
<b>56790 HUEGEL-JAMESTOWN PARK SHELTER</b>						
101	INDOOR SHELTER		SEALED CONCRETE	PAINTED C.M.U.	3/4" LAP CEDAR W/ CLEAR FIN.	EXPOSED BEAM AND WOOD 2x DECK CEILING IN OUTDOOR SHELTER AREA TO RECEIVE FACTORY APPLIED PENETRATING SEALER. NO ADDITIONAL FIELD FINISHING REQUIRED.
102	WOMEN'S TOILET ROOM		NONE	PREF-FIN. LAP SIDING/TRIM	3/4" LAP CEDAR W/ CLEAR FIN.	
103	MEN'S TOILET ROOM					
104	MECHANICAL ROOM					PROVIDE 22"x36" ATTIC ACCESS PANEL
105	OUTDOOR SHELTER					



### FRAME, WINDOW & DOOR TYPES



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HUEGEL-JAMESTOWN PARK SHELTER  
CITY OF FITCHBURG  
FITCBURG, WI

PROJECT NUMBER: 56790  
APPROVED BY: J.H.  
REVIEWED BY: J.C.T.  
DRAWN BY: B.T.W.  
2/9/2016 5:03:26 PM

FLOORPLAN

KEYNOTES  
01 ELECTRIC HAND DRYER.  
02 FOLD DOWN BABY CHANGING TABLE.  
03 22" x 30" ATTIC ACCESS PANEL. COORDINATE LOCATION WITH TRUSS FRAMING.  
04 WALL MOUNTED FIRE EXTINGUISHER WITH LOCKABLE CABINET.

1901 S.F.

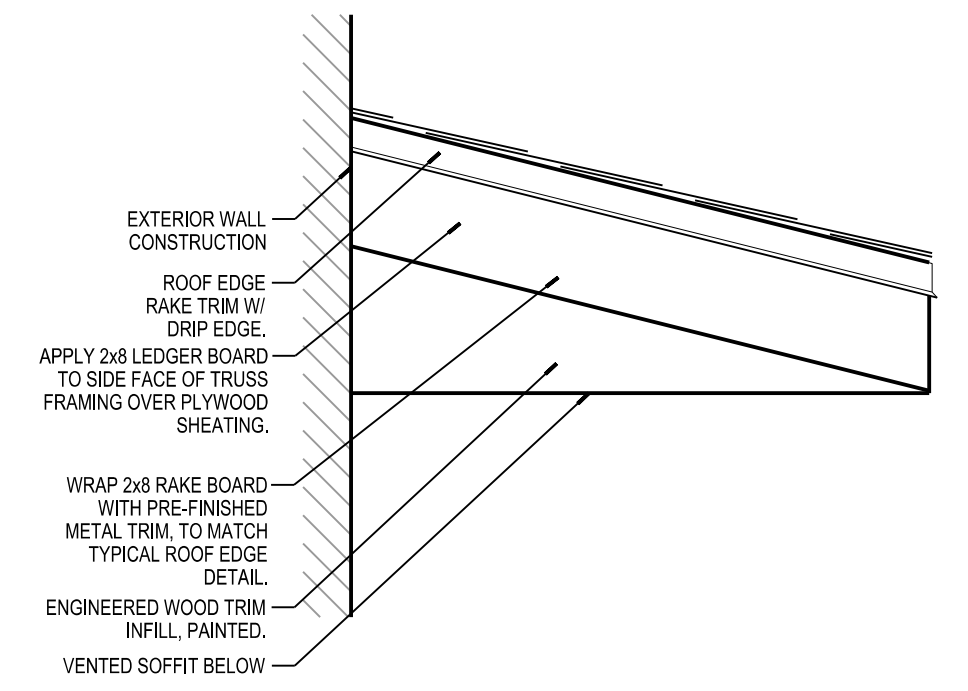
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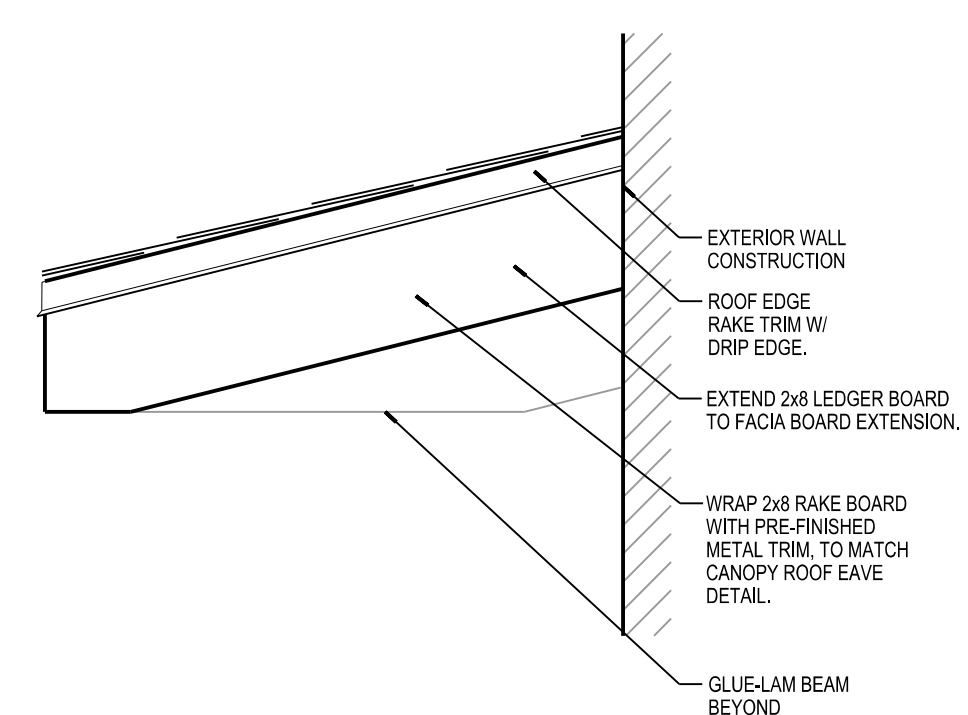


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PLOTTED BY: BHW

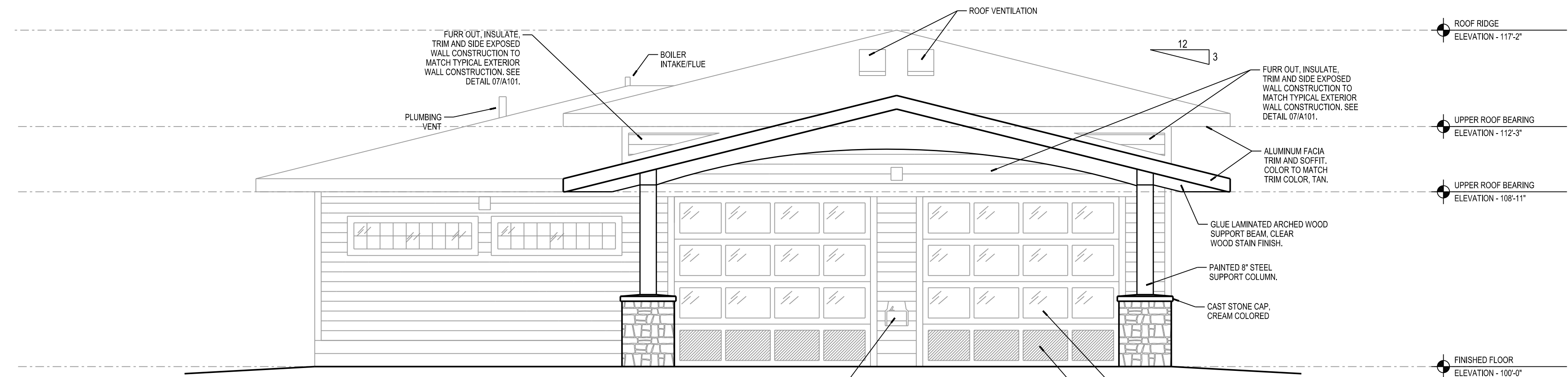
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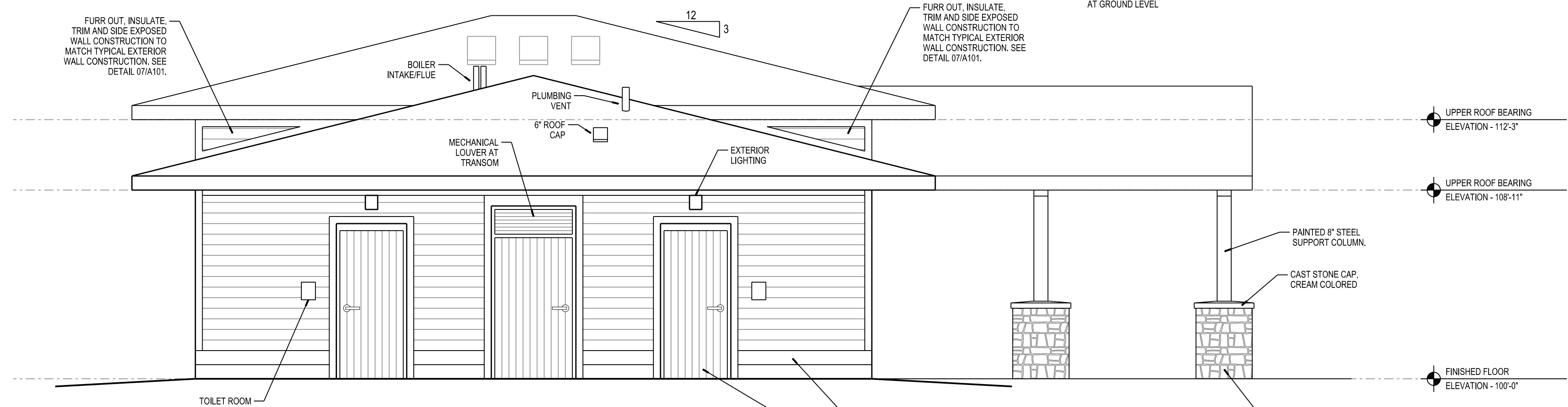
22 LOWER ROOF EXPOSED RAKE EDGE DETAIL  
A401 SCALE: 1"=1'-0"



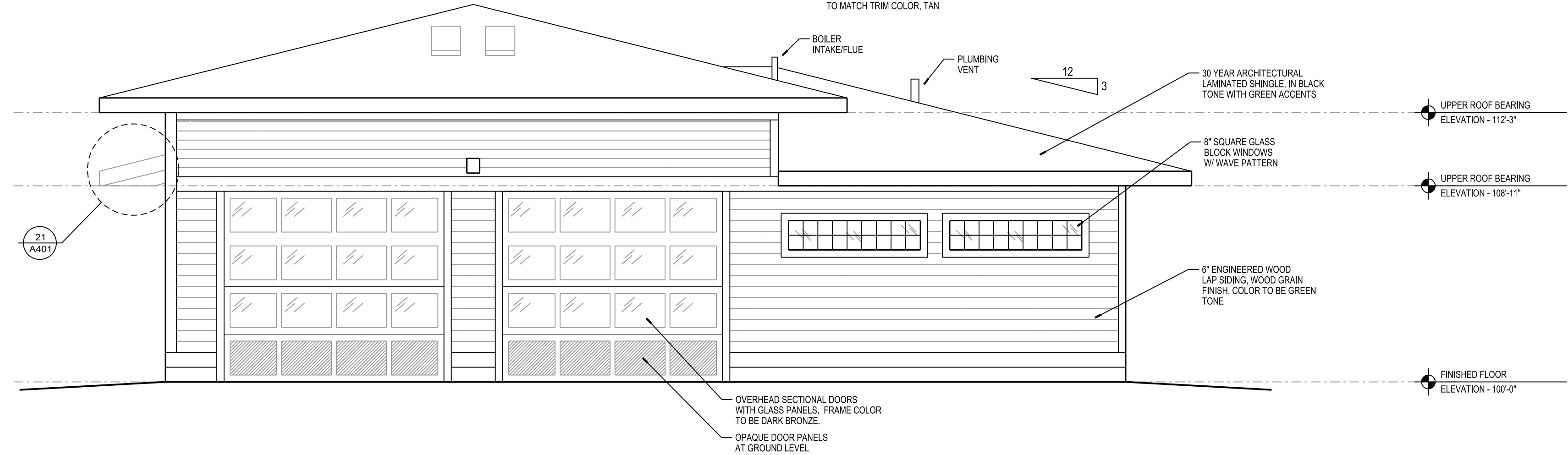
21 SHELTER CANOPY EXPOSED RAKE EDGE DETAIL  
A401 SCALE: 1"=1'-0"



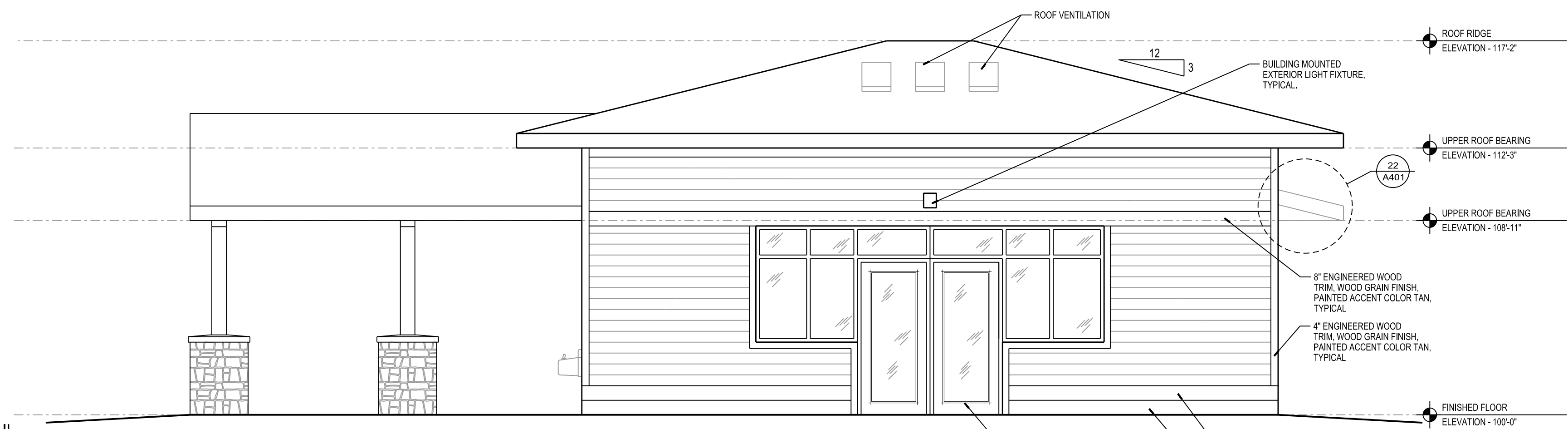
04 NORTH ELEVATION  
A401 SCALE: 1/4"=1'-0"



04 EAST ELEVATION  
A401 SCALE: 1/4"=1'-0"



04 SOUTH ELEVATION  
A401 SCALE: 1/4"=1'-0"



04 WEST ELEVATION  
A401 SCALE: 1/4"=1'-0"

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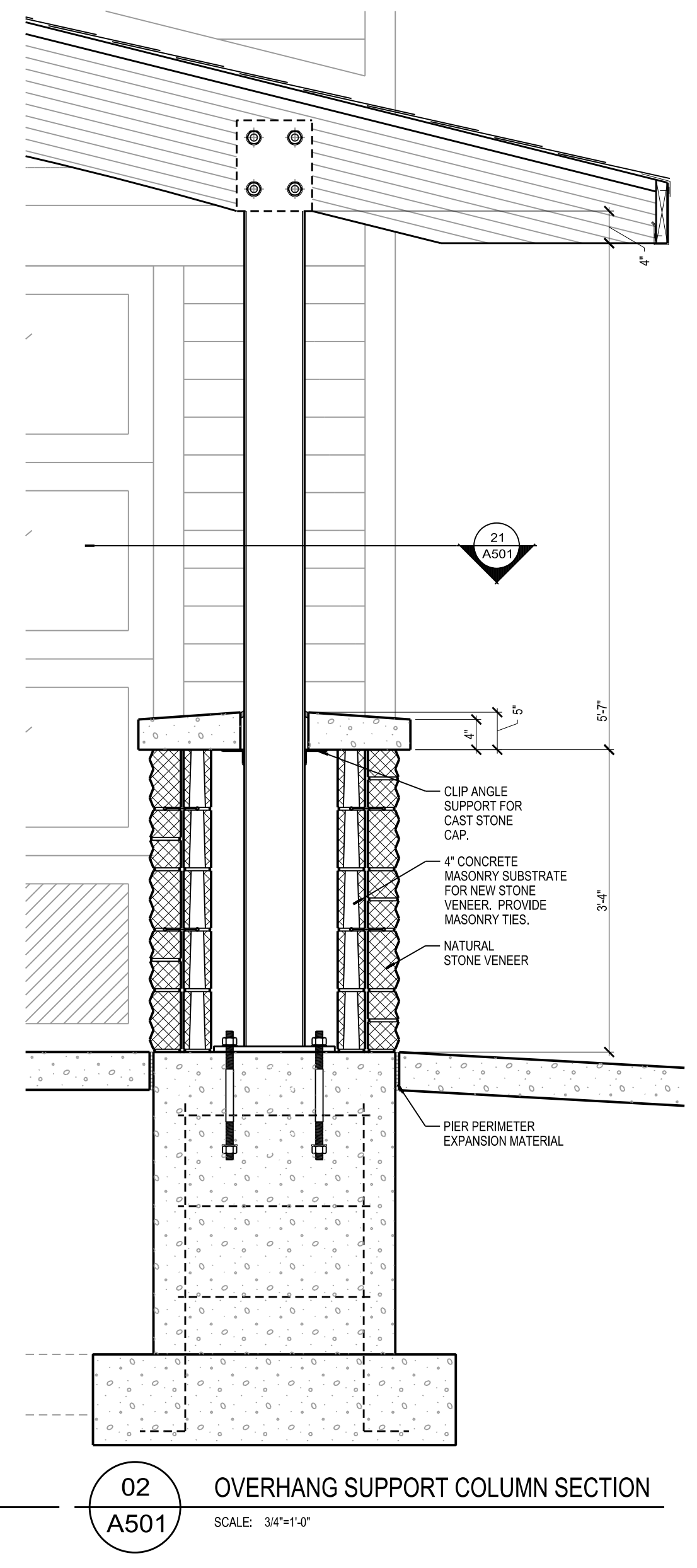
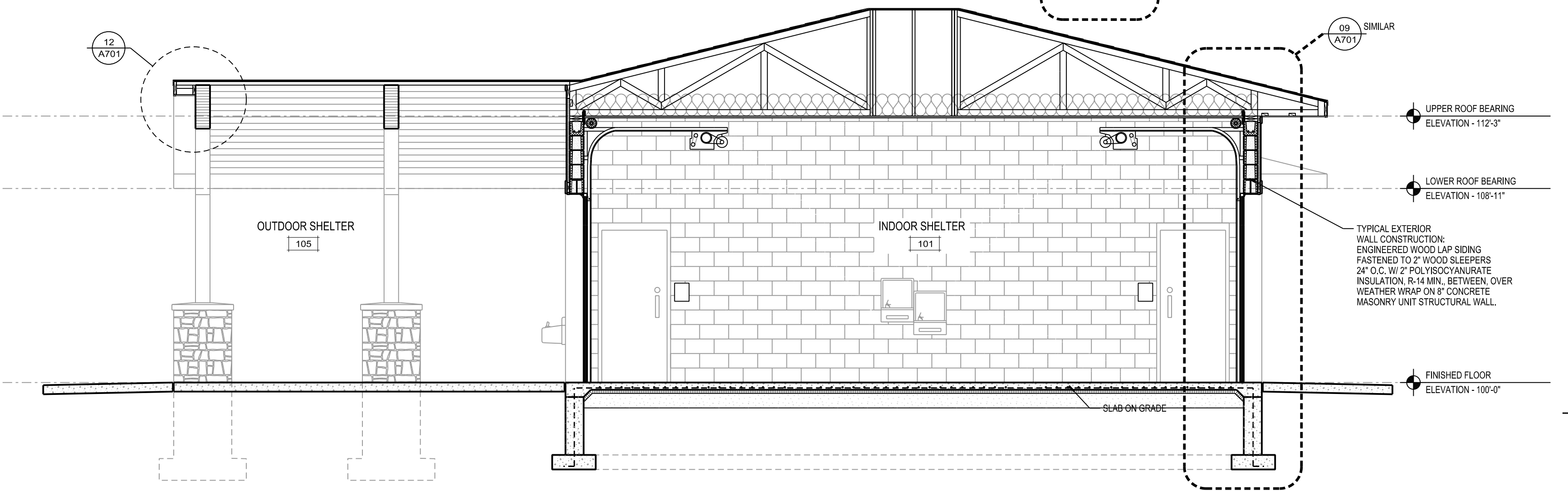
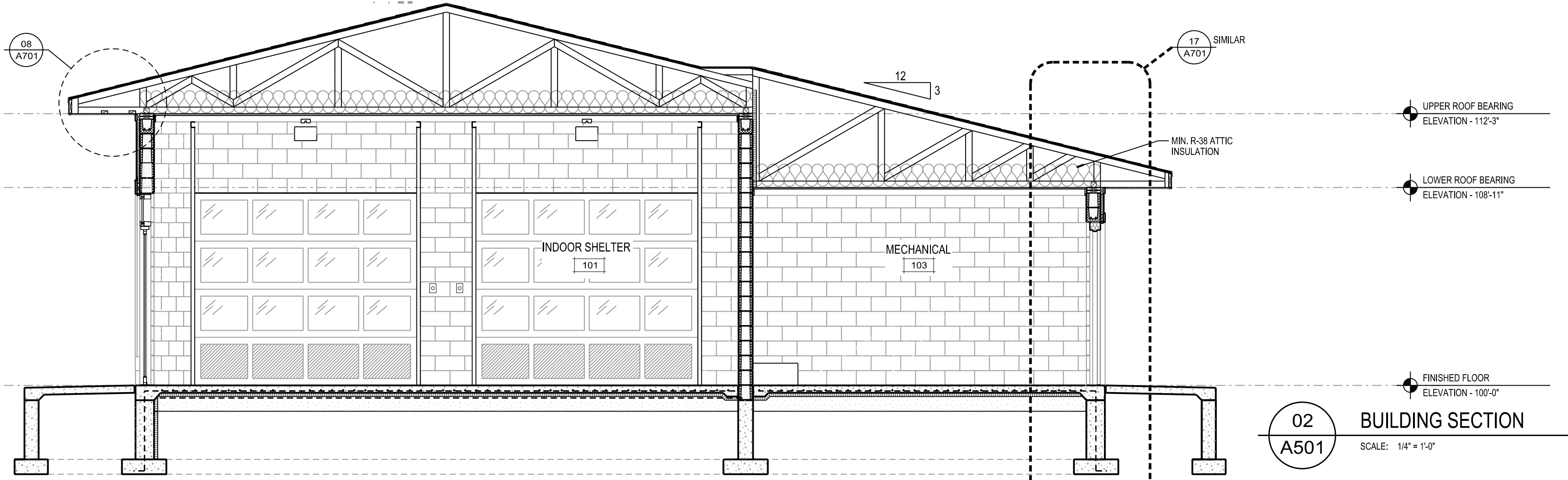
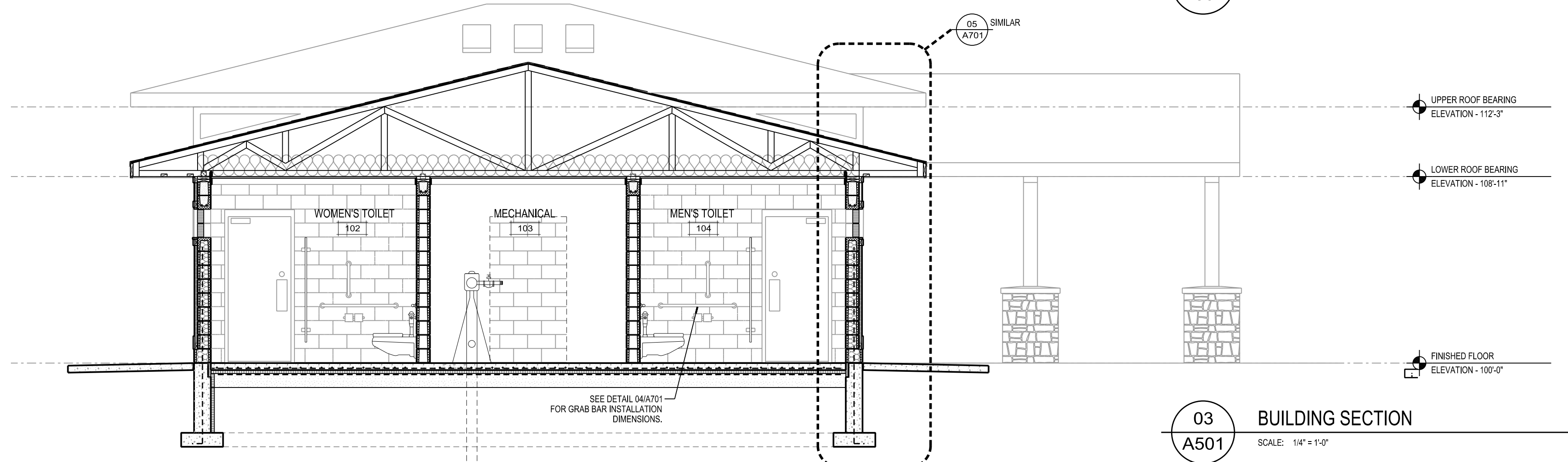
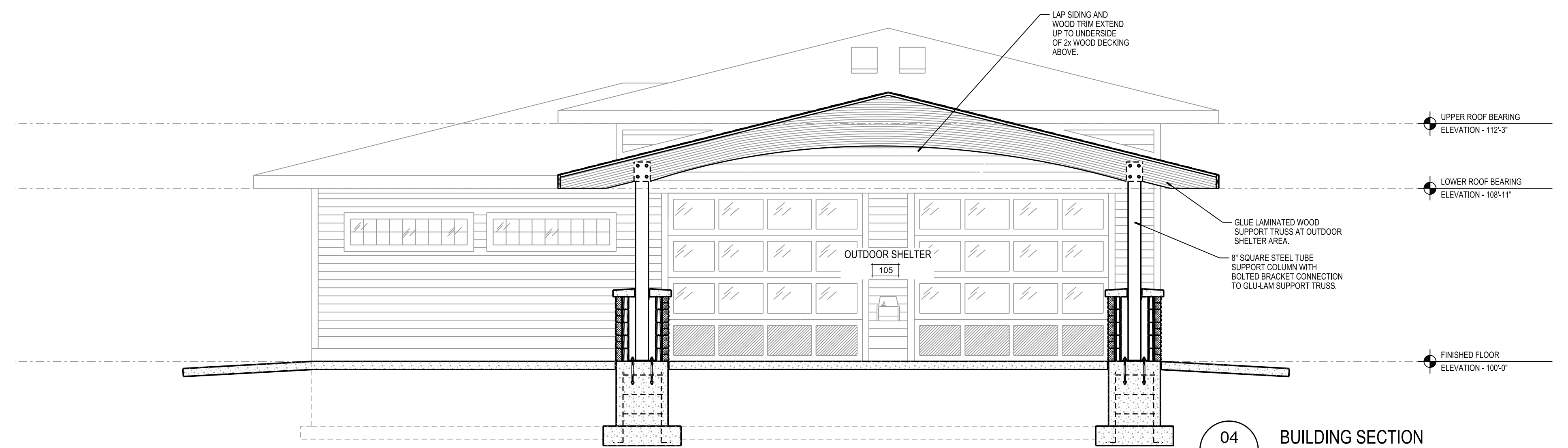
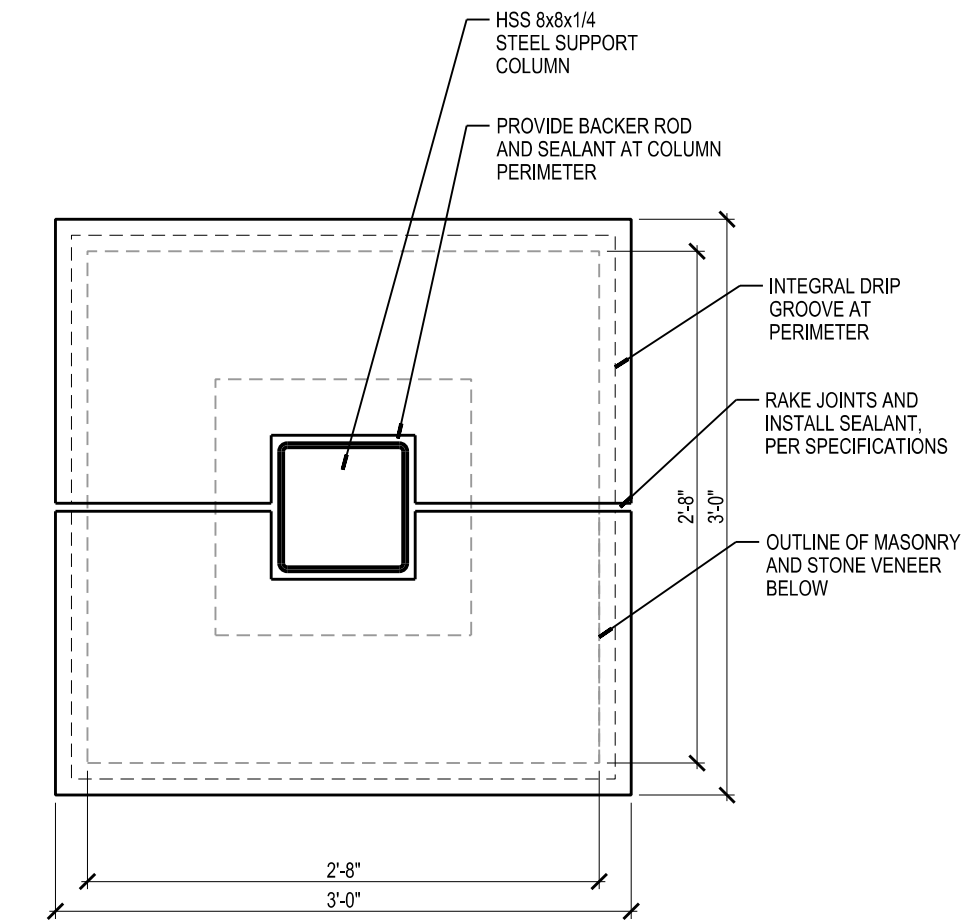
HUEGEL-JAMESTOWN  
PARK SHELTER  
CITY OF FITCHBURG  
FITCBURG, WI

PROJECT NUMBER: 56790  
APPROVED BY: J.H.  
REVIEWED BY: J.C.T.  
DRAWN BY: B.T.W.  
2/8/2016 5:03:31 PM

ELEVATIONS

A401

SCALE: 1/4"=1'-0"  
 PLOTTED BY: BAW/B  
 ORIGINAL SIZE: 24" x 36"  
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PROJECT NUMBER 56730	APPROVED BY J.H.
REVIEWED BY JCT	DRAWN BY BTW

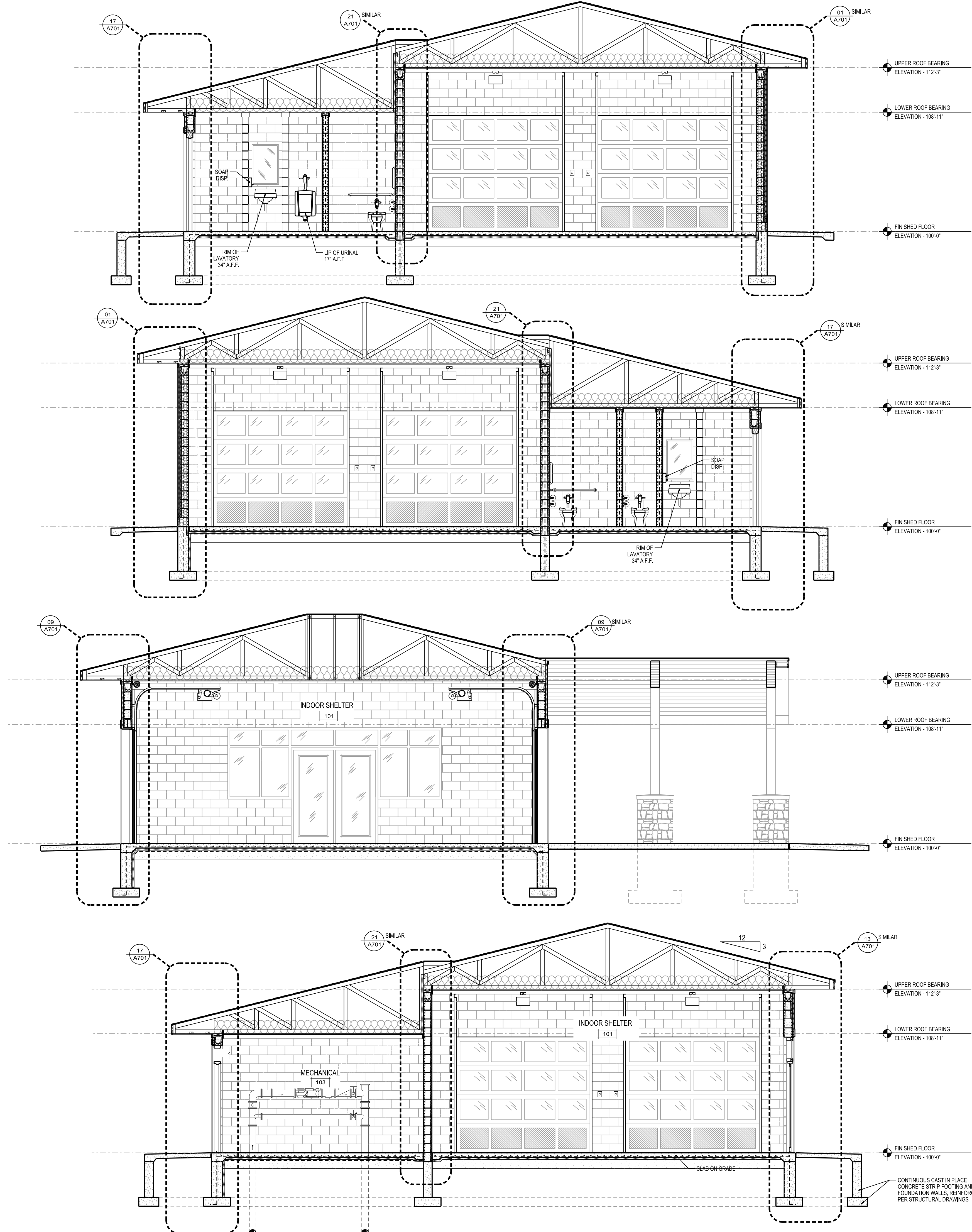
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BUILDING SECTIONS  
**A501**

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SCALE: 1/4"=1'-0"  
 PLOTTED BY: BAW

ORIGINAL SIZE: 24" x 36"  
 X:\2017\20170605\20170605.dwg



04 BUILDING SECTION - MEN'S RESTROOM  
 A502 SCALE: 1/4" = 1'-0"

03 BUILDING SECTION - WOMEN'S RESTROOM  
 A502 SCALE: 1/4" = 1'-0"

02 BUILDING SECTION - OUTDOOR SHELTER  
 A502 SCALE: 1/4" = 1'-0"

01 BUILDING SECTION - MECHANICAL ROOM  
 A502 SCALE: 1/4" = 1'-0"

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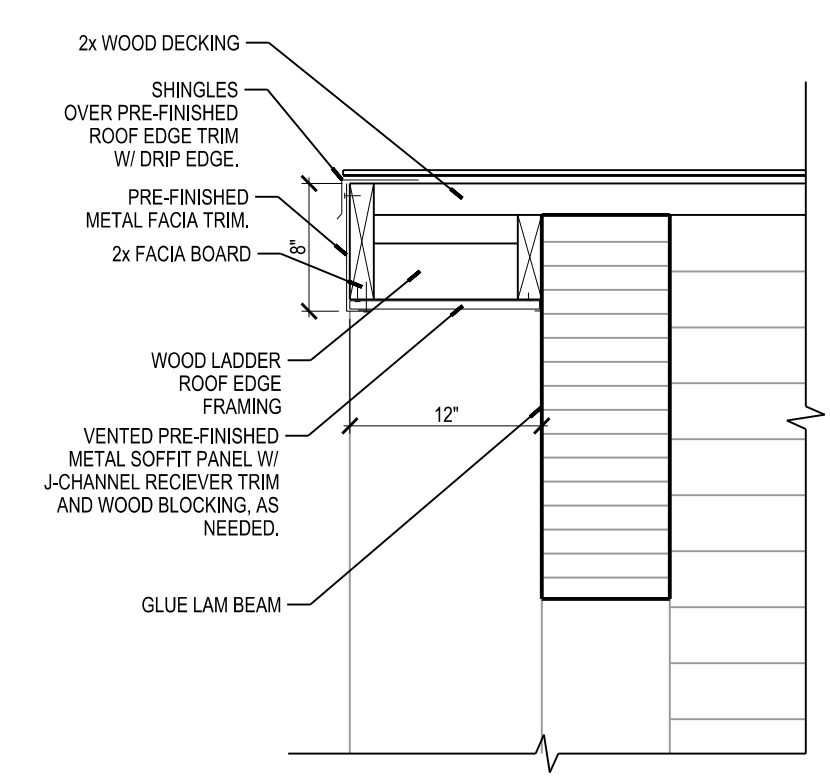
PROJECT NUMBER 56790	APPROVED BY J.H.
	REVIEWED BY J.C.T.
	DRAWN BY B.T.W.

BUILDING SECTIONS

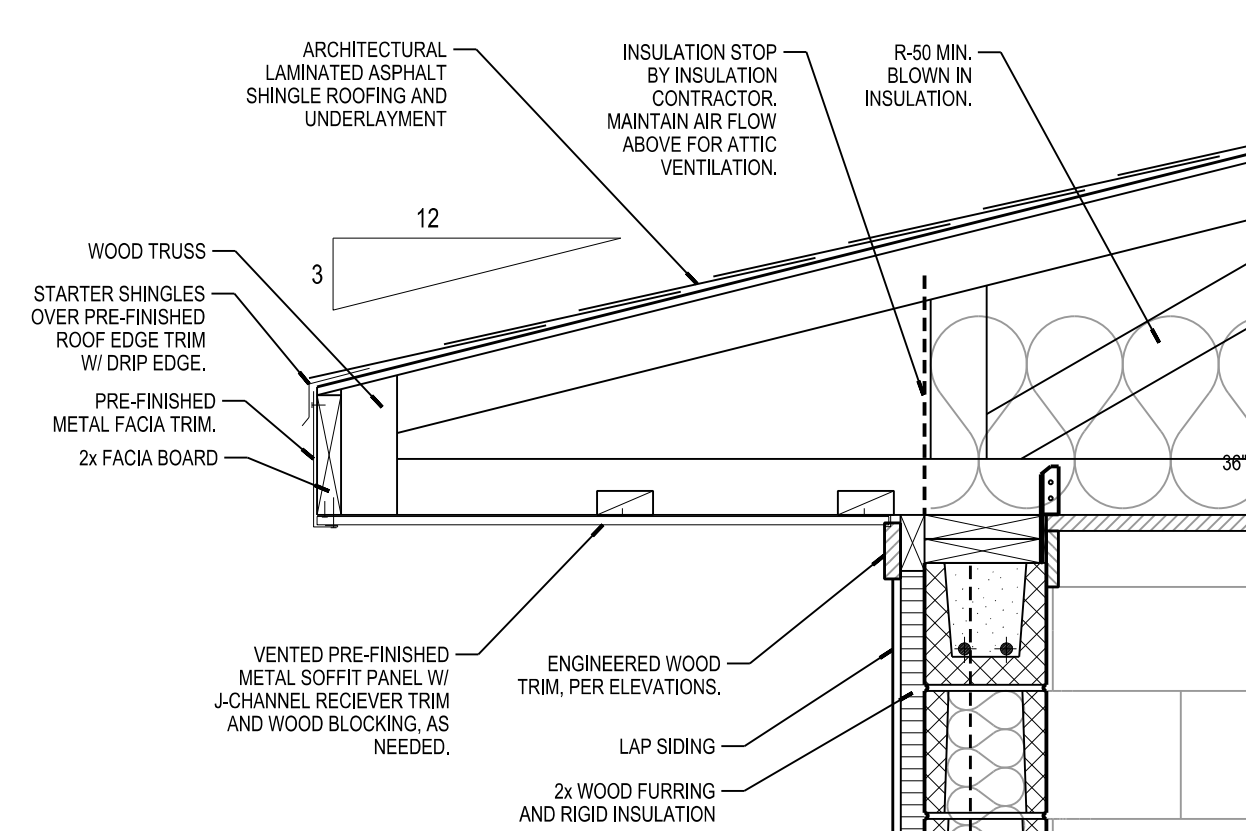
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**A502**

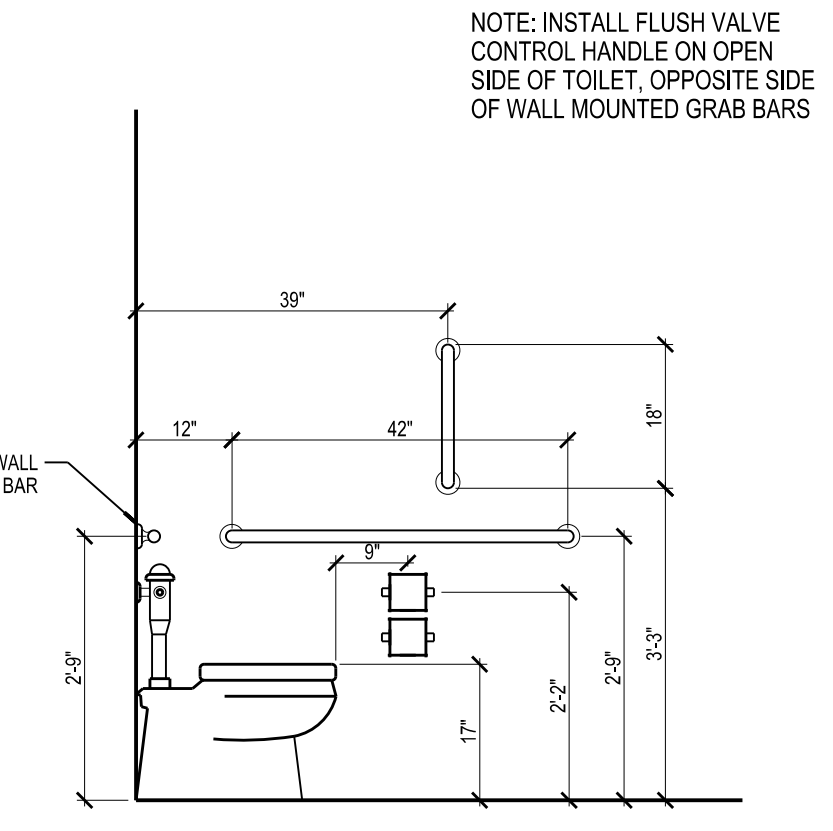
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**12**  
**A701** RAKE EDGE DETAIL AT CANOPY ROOF  
SCALE: 1/4"=1'-0"

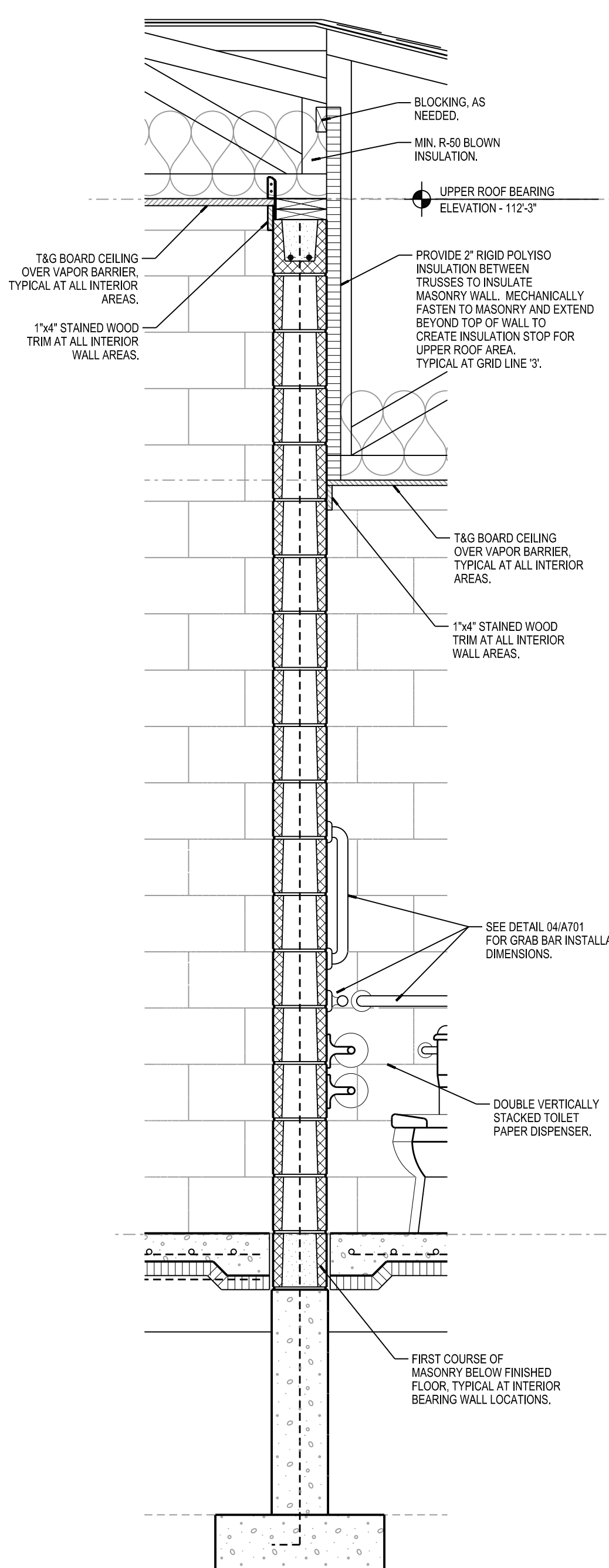


**08**  
**A701** TYPICAL ROOF EDGE DETAIL  
SCALE: 1/4"=1'-0"

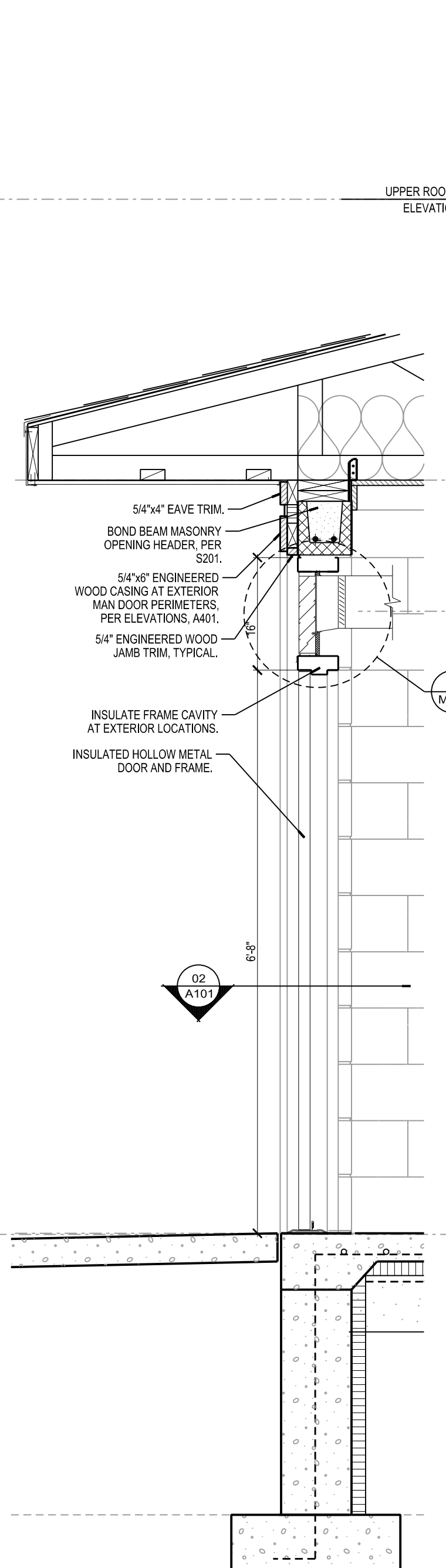


**04**  
**A701** ADA TOILET GRAB BAR AND TOILET PAPER DISPENSER DETAIL  
SCALE: 1/2"=1'-0"

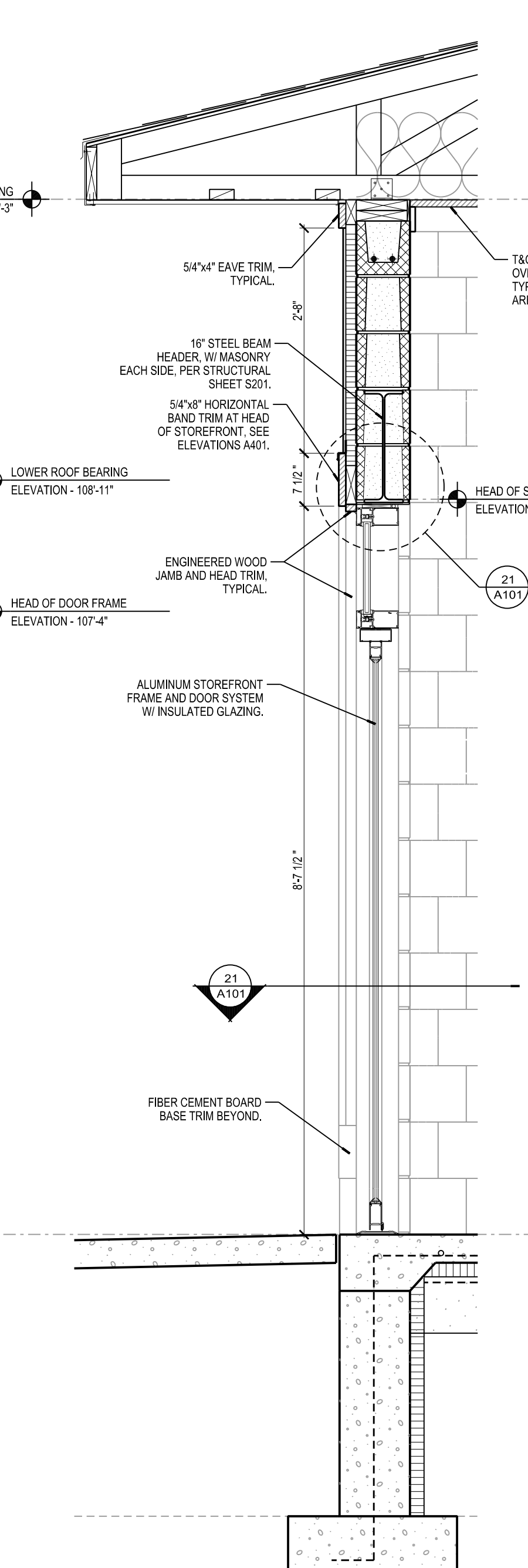
NOTE: INSTALL FLUSH VALVE CONTROL HANDLE ON OPEN SIDE OF TOILET, OPPOSITE SIDE OF WALL MOUNTED GRAB BARS



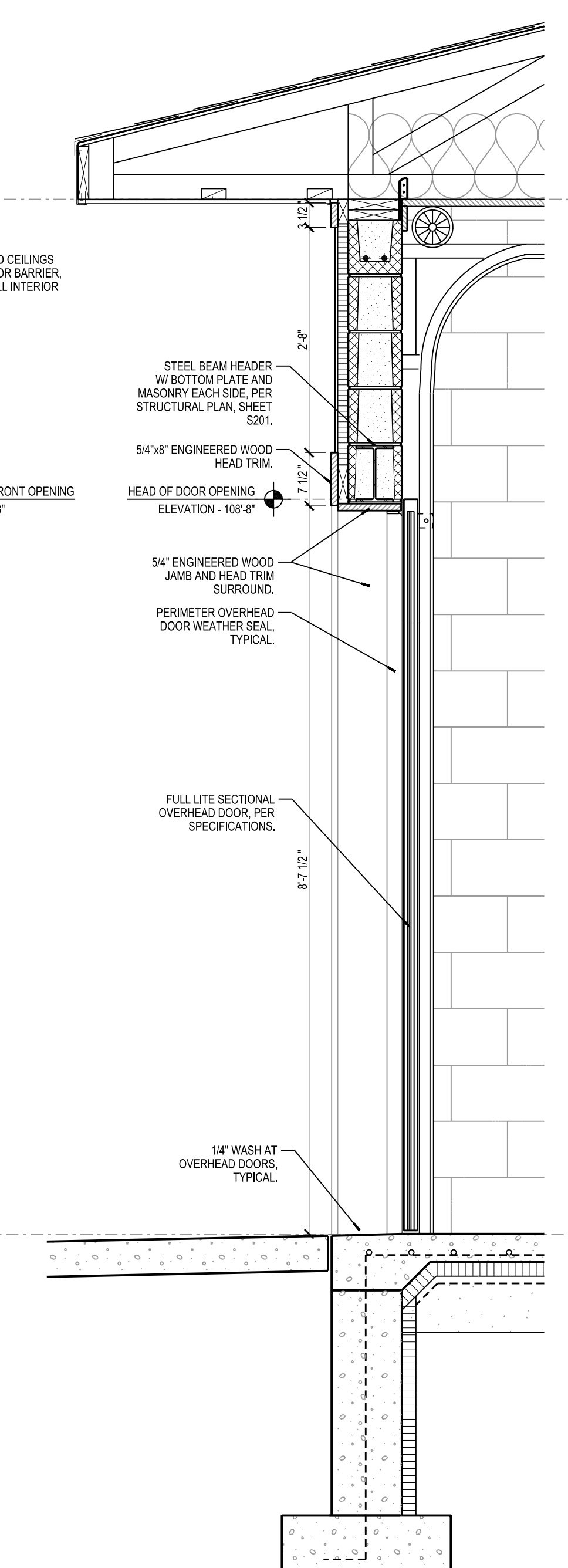
**21**  
**A701** WALL SECTION AT INTERIOR BEARING WALL  
SCALE: 3/4"=1'-0"



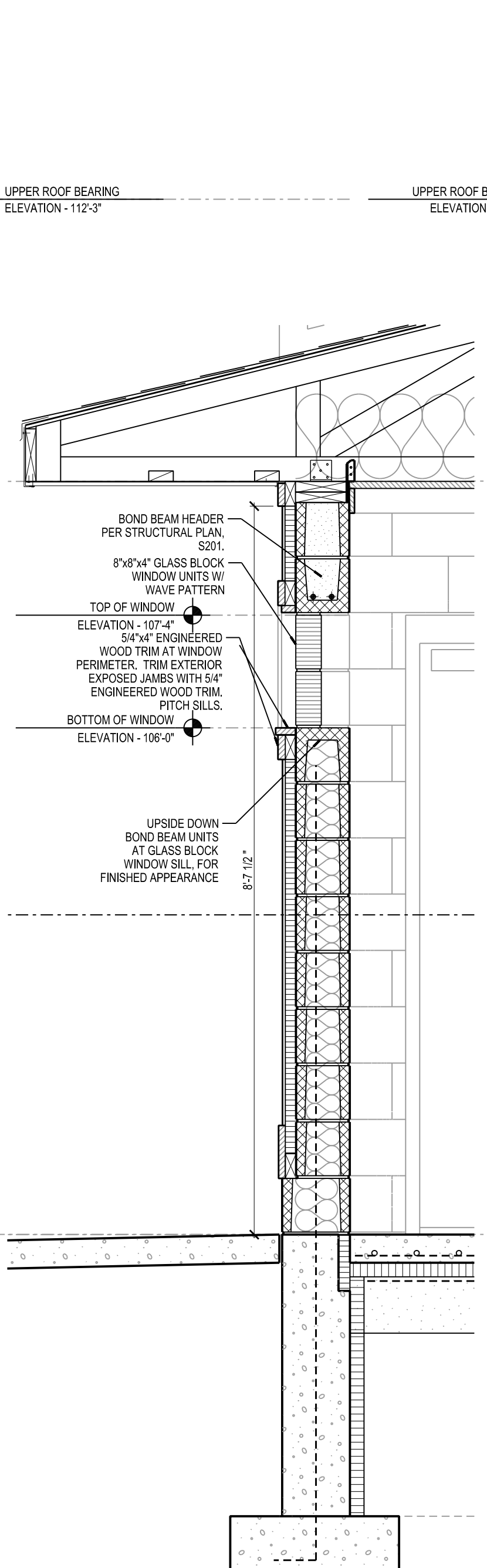
**17**  
**A701** WALL SECTION AT STEEL MAN DOOR  
SCALE: 3/4"=1'-0"



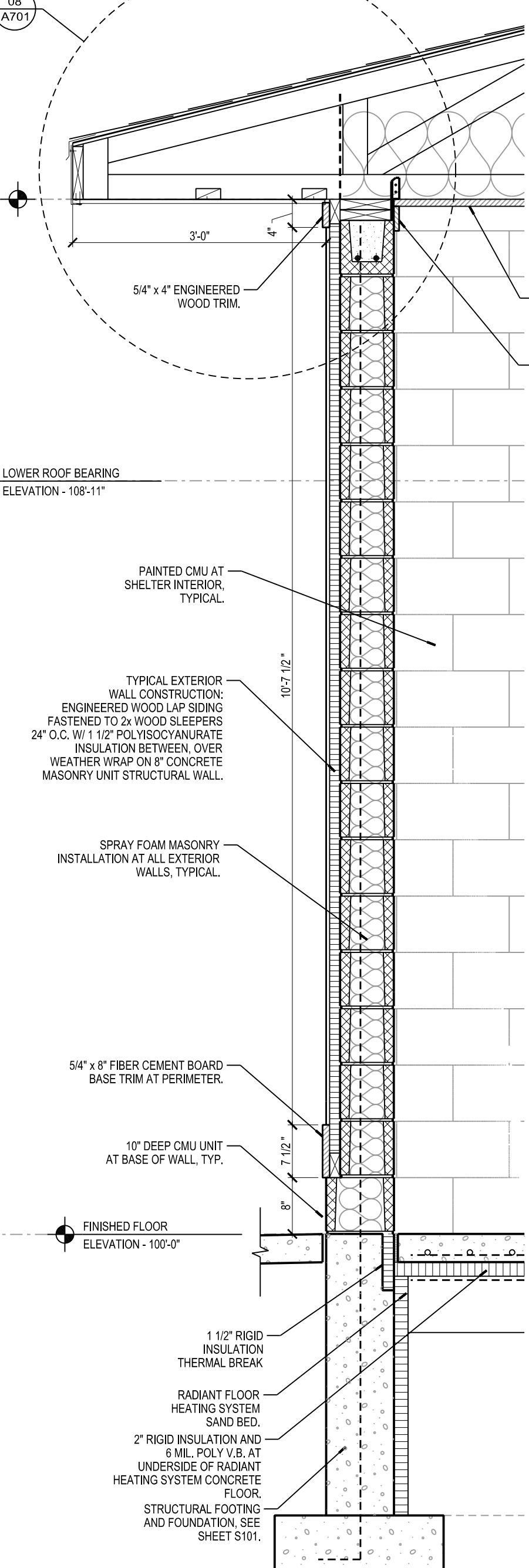
**13**  
**A701** WALL SECTION AT ALUMINUM ENTRY  
SCALE: 3/4"=1'-0"



**09**  
**A701** WALL SECTION AT OVERHEAD DOOR  
SCALE: 3/4"=1'-0"



**05**  
**A701** WALL SECTION AT GLASS BLOCK WINDOW  
SCALE: 3/4"=1'-0"



**01**  
**A701** TYPICAL WALL SECTION  
SCALE: 3/4"=1'-0"

SCALE: 3/4"=1'-0"  
PLOTTED BY: BAW/B  
ORIGINAL SIZE: 24" x 36"  
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APPROVED BY: J.H.  
REVIEWED BY: J.C.T.  
DRAWN BY: B.T.W.  
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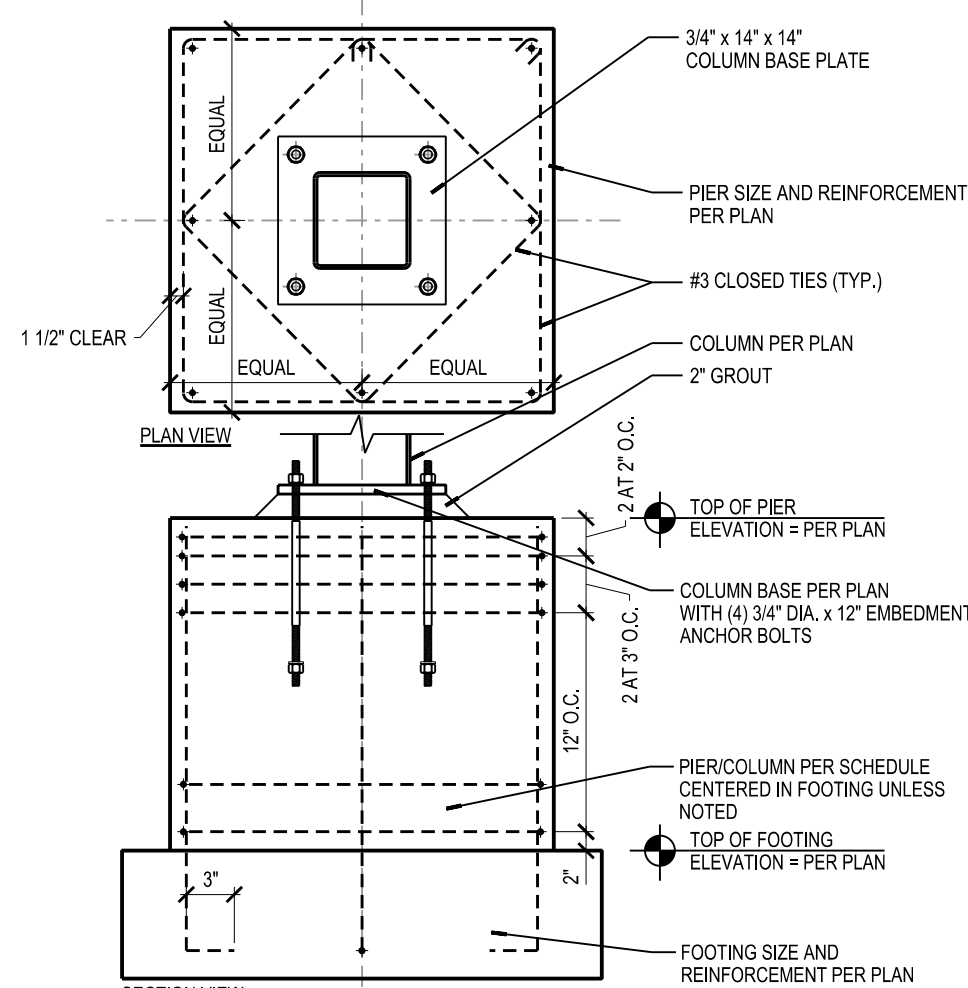
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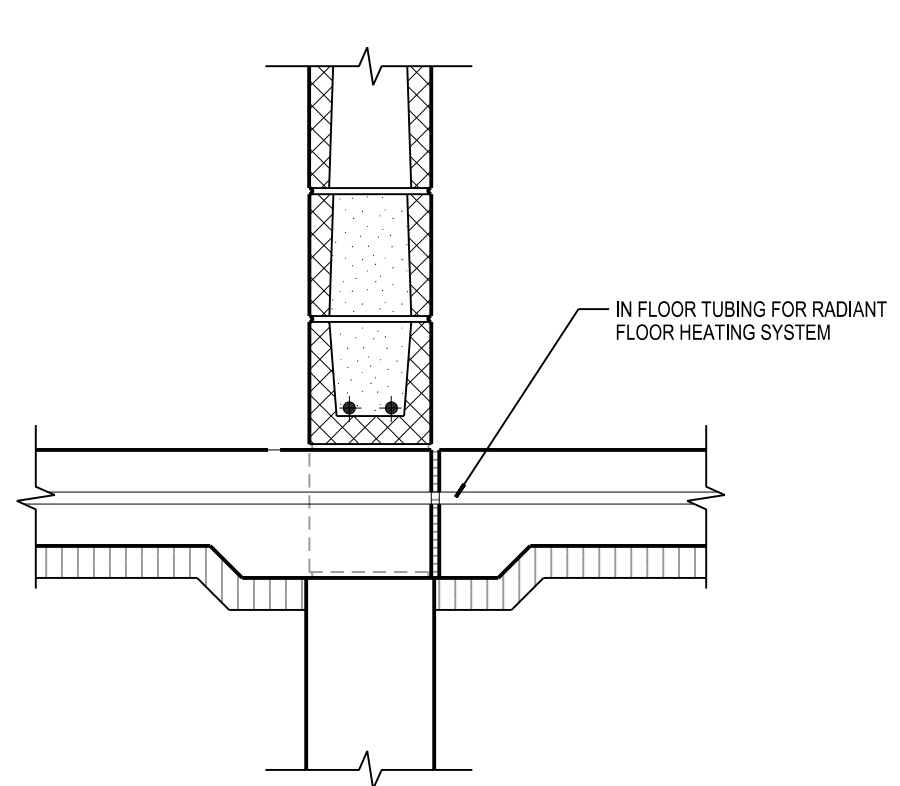
WALLSECTIONS

**A701**

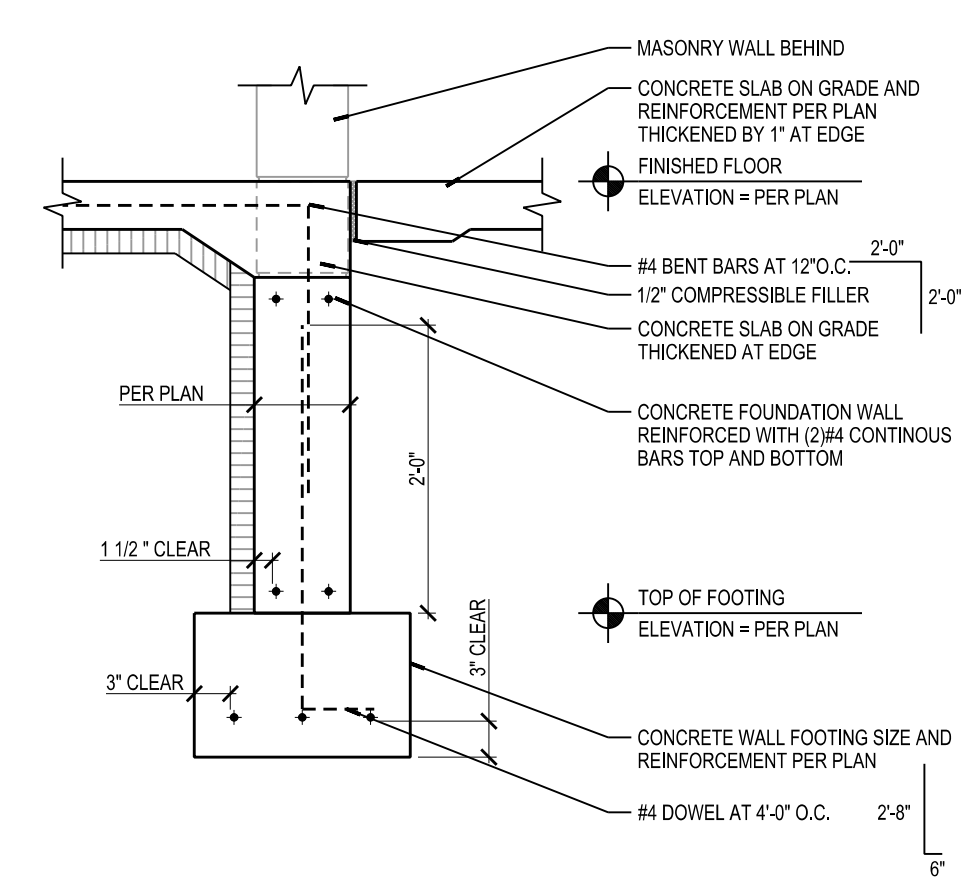
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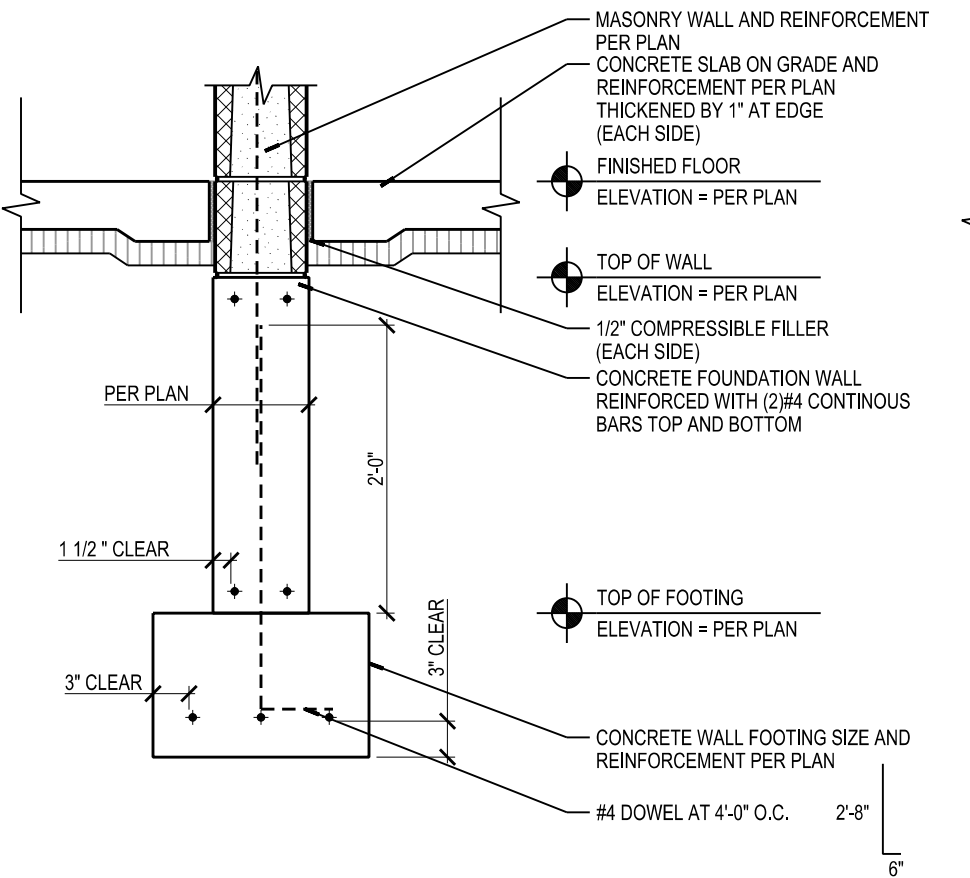
**24**  
**S101** CONCRETE PIER WITH STEEL COLUMN CONNECTION  
SCALE: 3/4"=1'-0"



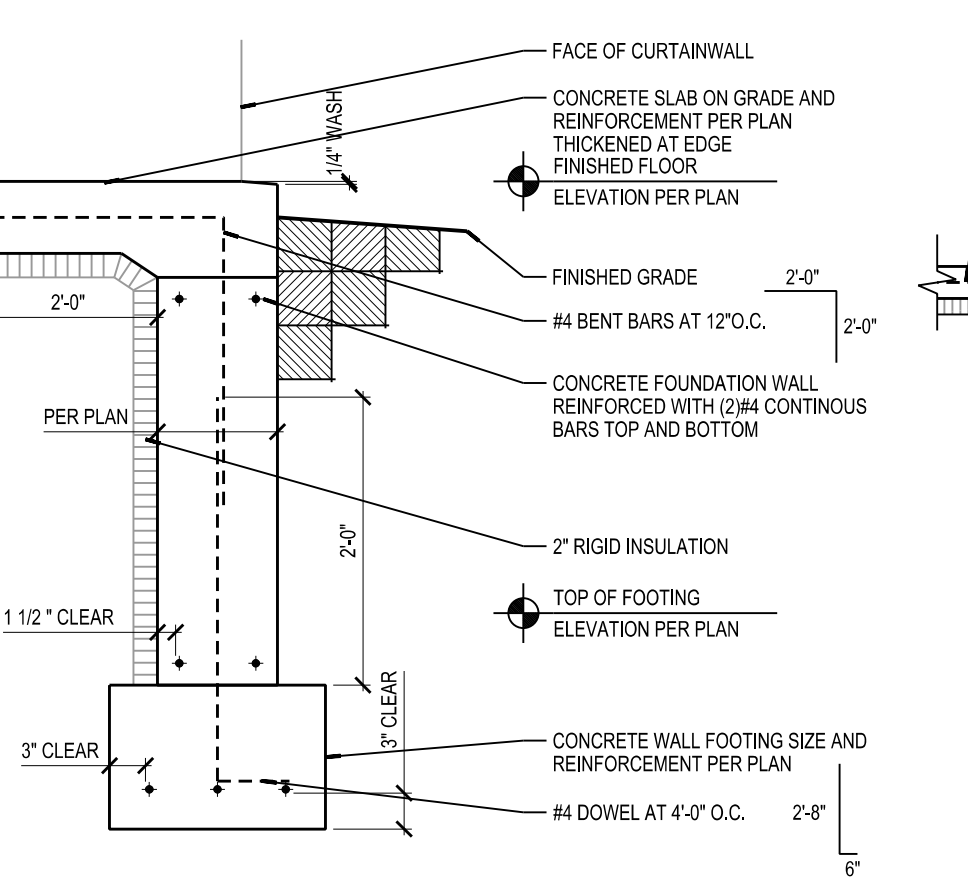
**20**  
**S101** LINTEL AT MECHANICAL PIPING IN FLOOR OPENING  
SCALE: 1"=1'-0"



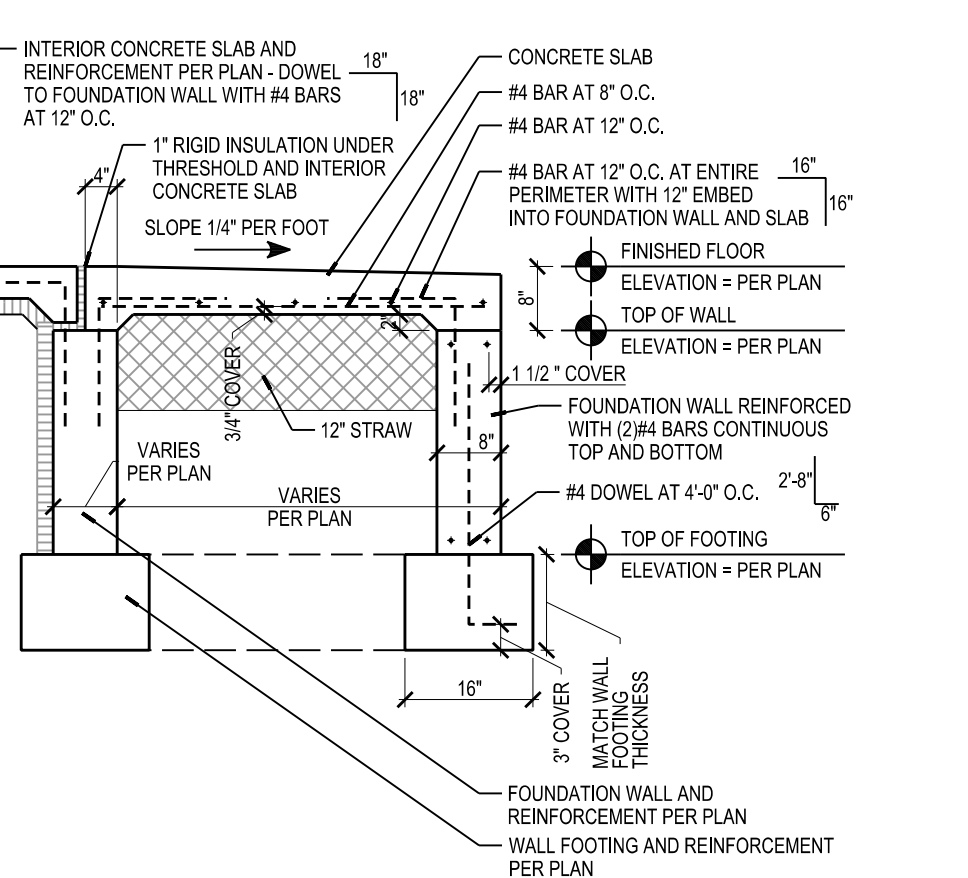
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**S101** DROPPED INTERIOR FOUNDATION WALL AND FOOTING AT DOOR  
SCALE: 3/4"=1'-0"



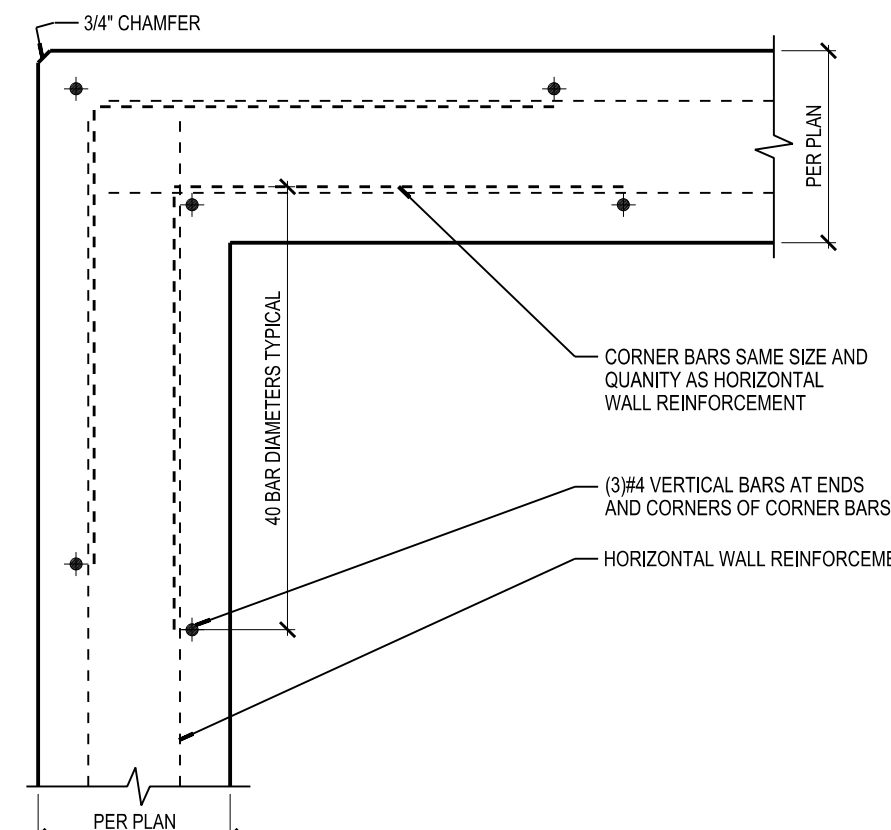
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**S101** INTERIOR FOUNDATION WALL AND FOOTING  
SCALE: 3/4"=1'-0"



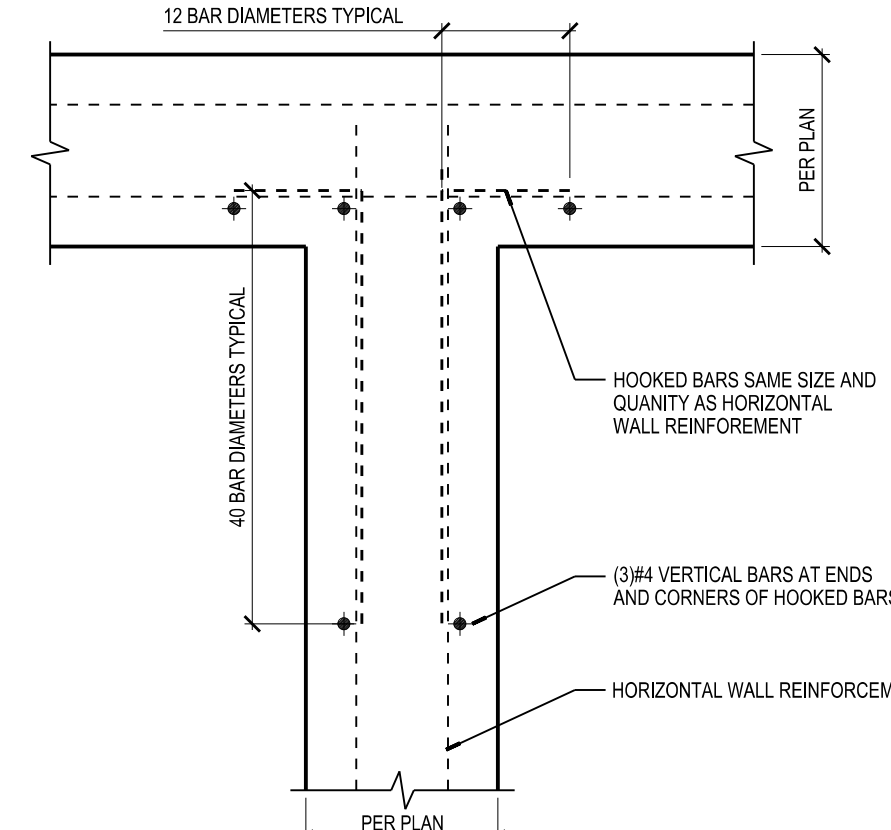
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**S101** DROPPED EXTERIOR FOUNDATION WALL AND FOOTING AT CURTAINWALL  
SCALE: 3/4"=1'-0"



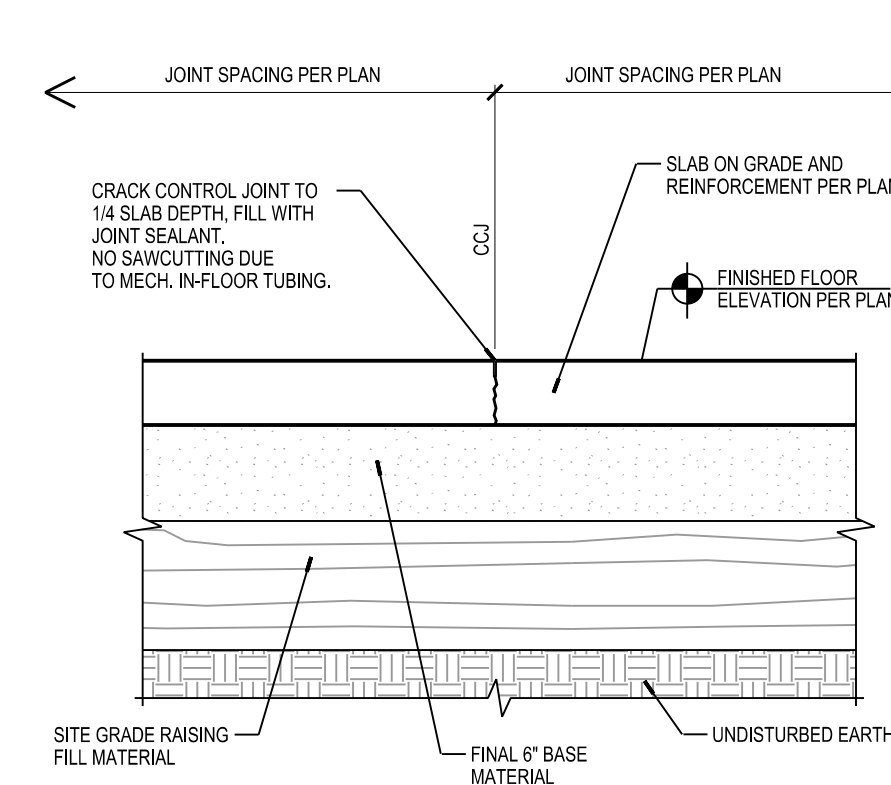
**04**  
**S101** CONCRETE STOOP  
SCALE: 1/2"=1'-0"



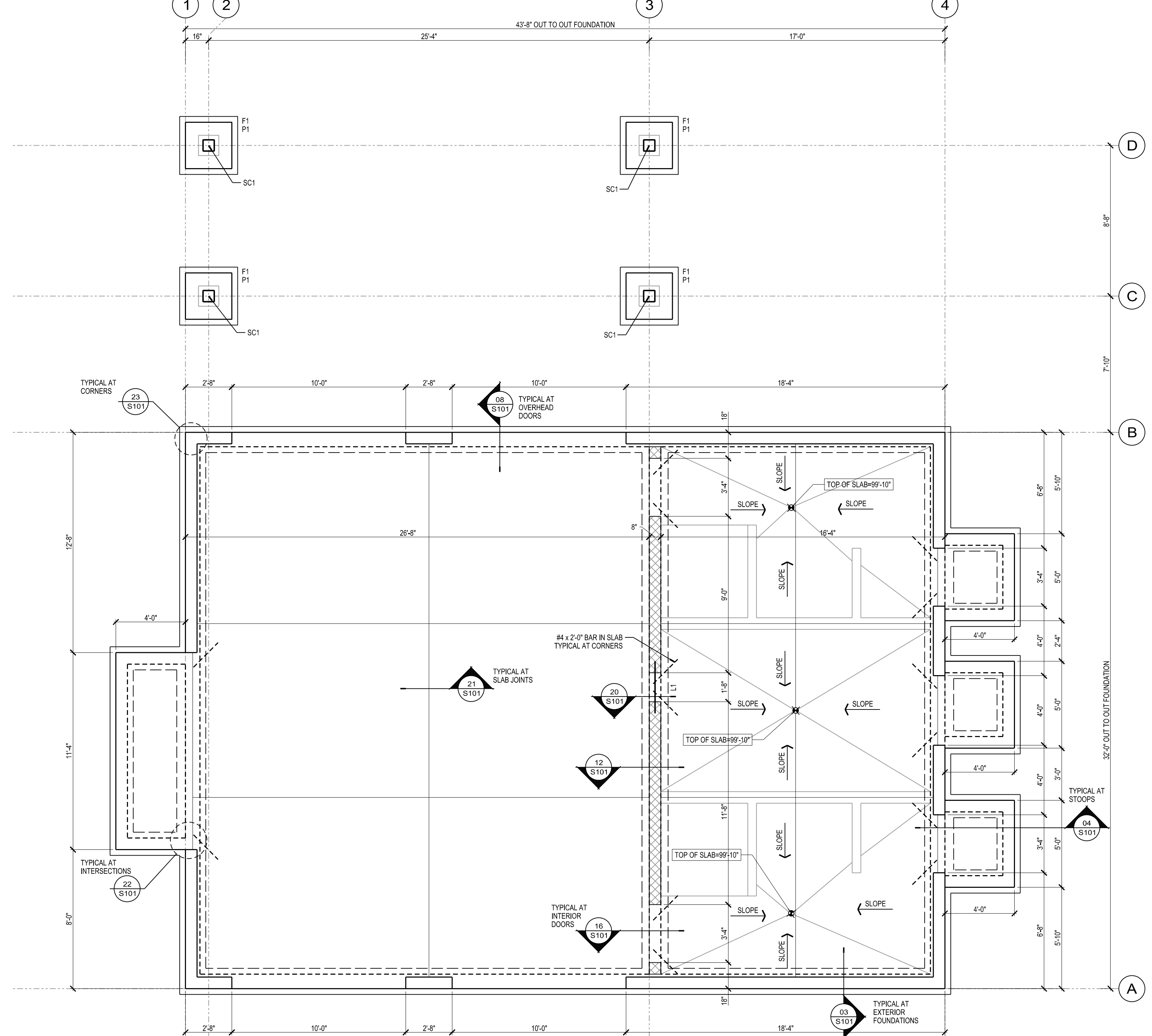
**23**  
**S101** CONCRETE FOUNDATION CORNER PLAN  
SCALE: 1"=1'-0"



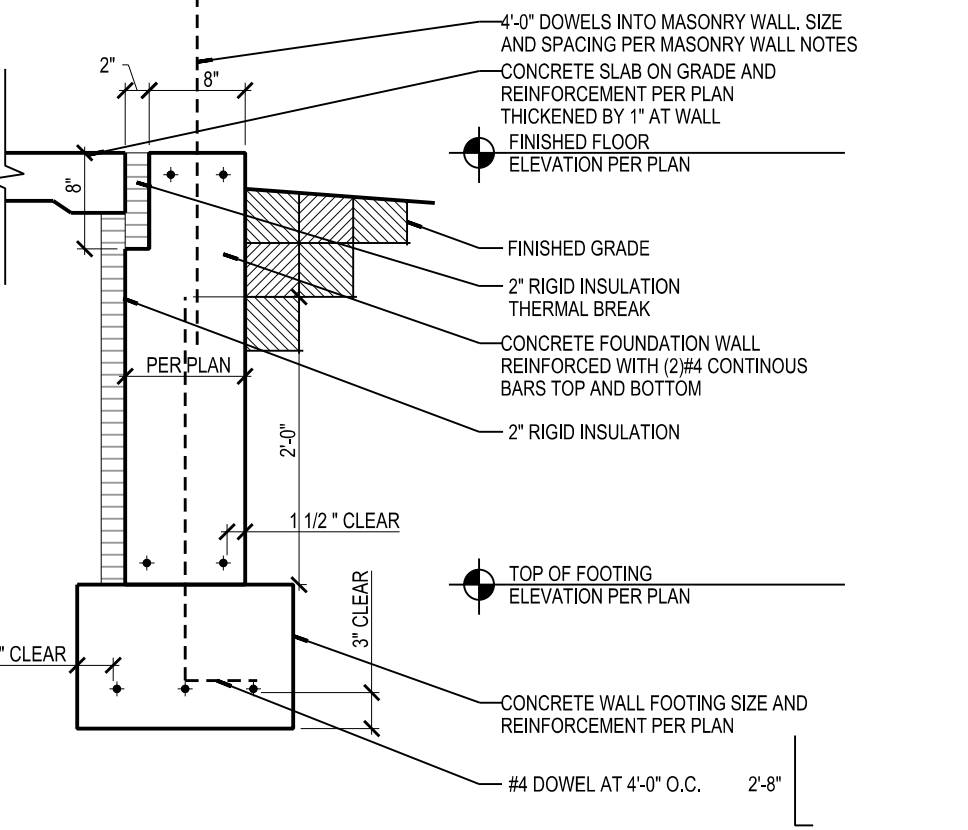
**22**  
**S101** CONCRETE FOUNDATION INTERSECTION PLAN  
SCALE: 1"=1'-0"



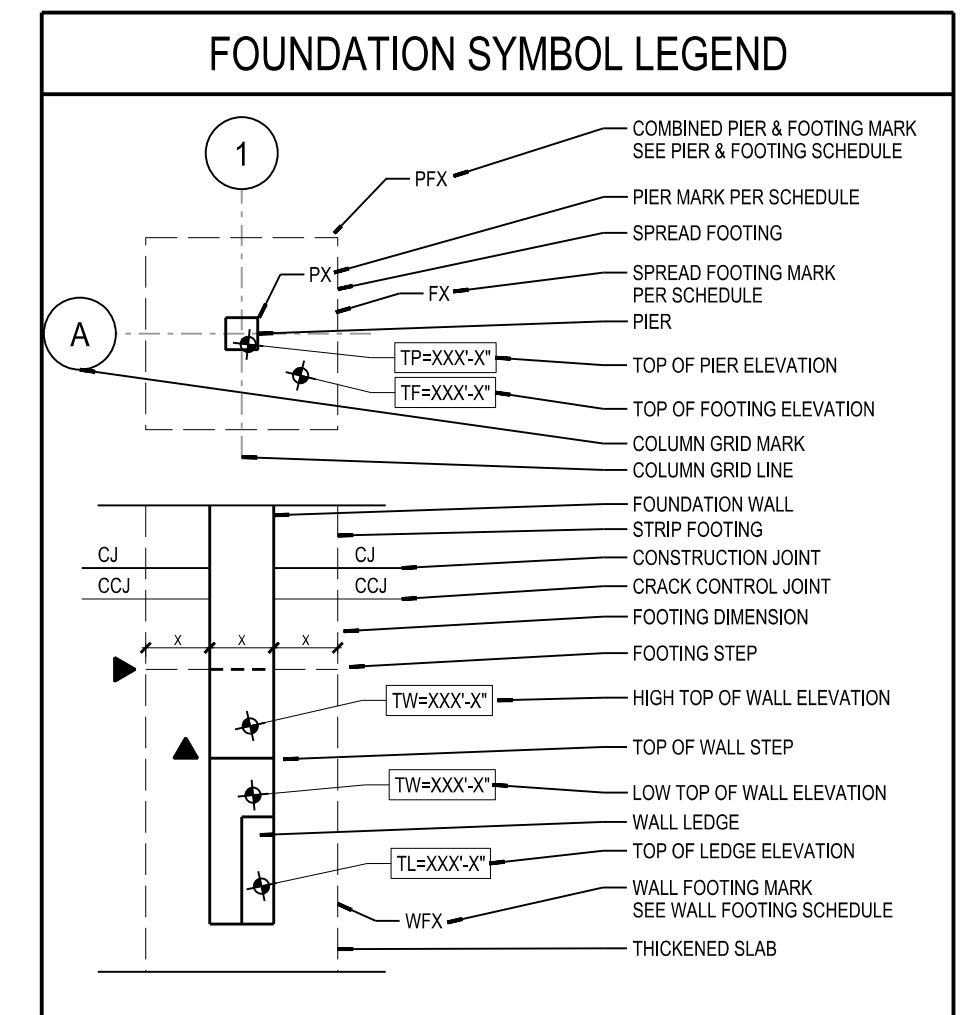
**21**  
**S101** CRACK CONTROL JOINT (CCJ) IN CONCRETE SLAB ON GRADE  
SCALE: 1"=1'-0"



**FOUNDATION AND SLAB PLAN**  
SCALE: 1/4"=1'-0"



**03**  
**S101** EXTERIOR FOUNDATION WALL AND FOOTING  
SCALE: 3/4"=1'-0"



**GENERAL NOTES**

- P1 PIER SHALL BE 2'-6" x 2'-6" CONCRETE PIER REINFORCED WITH (8) #6 BARS AND #3 TIES PER DETAIL 24/S101
- F1 FOOTING SHALL BE 3'-4" x 2'-4" x 12" PLAN CONCRETE FOOTING
- SEE SHEET S201 FOR S101 COLUMN INFORMATION

**FOUNDATION AND SLAB PLAN NOTES**

- TYPICAL FLOOR = 4" SLAB ON GRADE REINFORCED WITH NOVOMESH 950 REINFORCEMENT (5 LBS CUBIC YARD OF CONCRETE) UNLESS NOTED OTHERWISE
- FINISHED FLOOR ELEVATION = 100'-0" UNLESS NOTED OTHERWISE
- TOP OF FOUNDATION WALL ELEVATION = 100'-0" UNLESS NOTED OTHERWISE
- TOP OF PIERS SHALL BE AT FINISHED FLOOR ELEVATION UNLESS NOTED OTHERWISE
- FOUNDATION WALLS SHALL BE 10" THICK UNLESS NOTED OTHERWISE
- TOP OF EXTERIOR FOOTING ELEVATION = 3'-6" BELOW FINISHED FLOOR UNLESS NOTED OTHERWISE
- TOP OF INTERIOR FOOTING ELEVATION = 3'-6" BELOW FINISHED FLOOR UNLESS NOTED OTHERWISE
- ALL WALL FOOTINGS SHALL BE 1'-0" x 1'-0" x CONTINUOUS STRIPS REINFORCED WITH (2) #4 BARS UNLESS NOTED OTHERWISE
- FOUNDATION WALLS SHALL BE INSULATED WITH 2" RIGID INSULATION AGAINST INTERIOR FACE OF WALL UNLESS NOTED OTHERWISE
- FOUNDATION WALL LEDGES SHALL END 2" WIDE UNLESS NOTED OTHERWISE
- SLAB JOINTS SHALL BE CRACK CONTROL JOINTS UNLESS NOTED OTHERWISE

ORIGINAL SIZE: 24" x 36"  
X:\2017\04\05\579605\510.dgn  
SCALE: 1/4"=1'-0"  
PLOTTED BY: BHW

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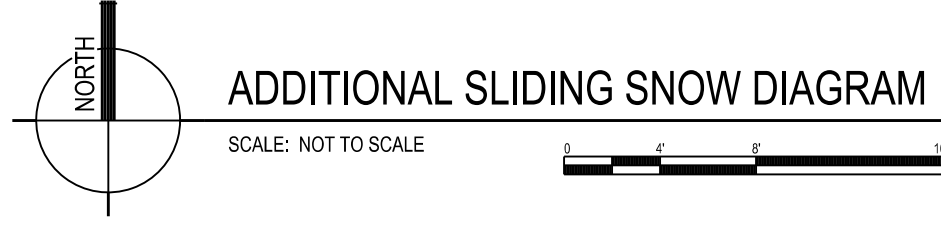
PROJECT NUMBER: 56730  
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ISSUANCES  
CITY OF MADISON WATER DEPT. REVIEW - 12/07/15  
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REVISIONS

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**S101**



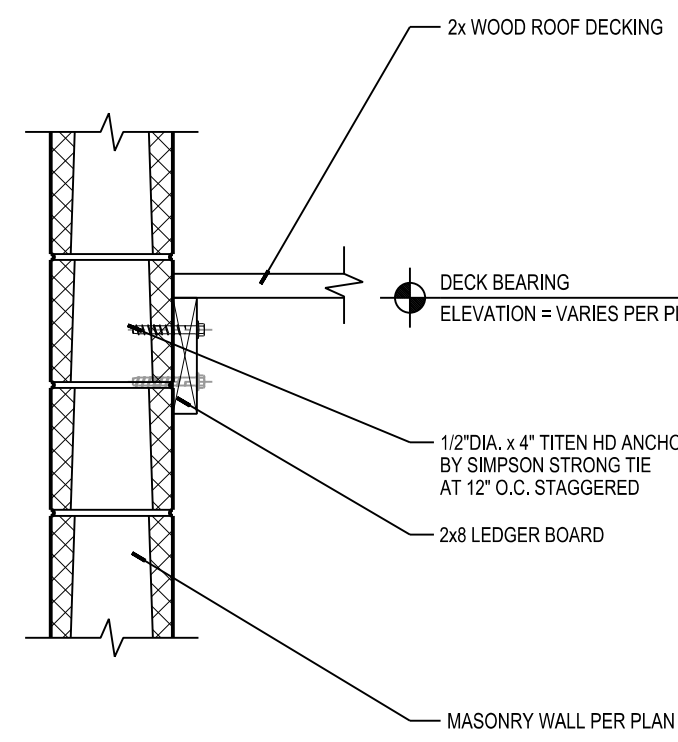
ADDITIONAL SLIDING SNOW DIAGRAM

SCALE: NOT TO SCALE



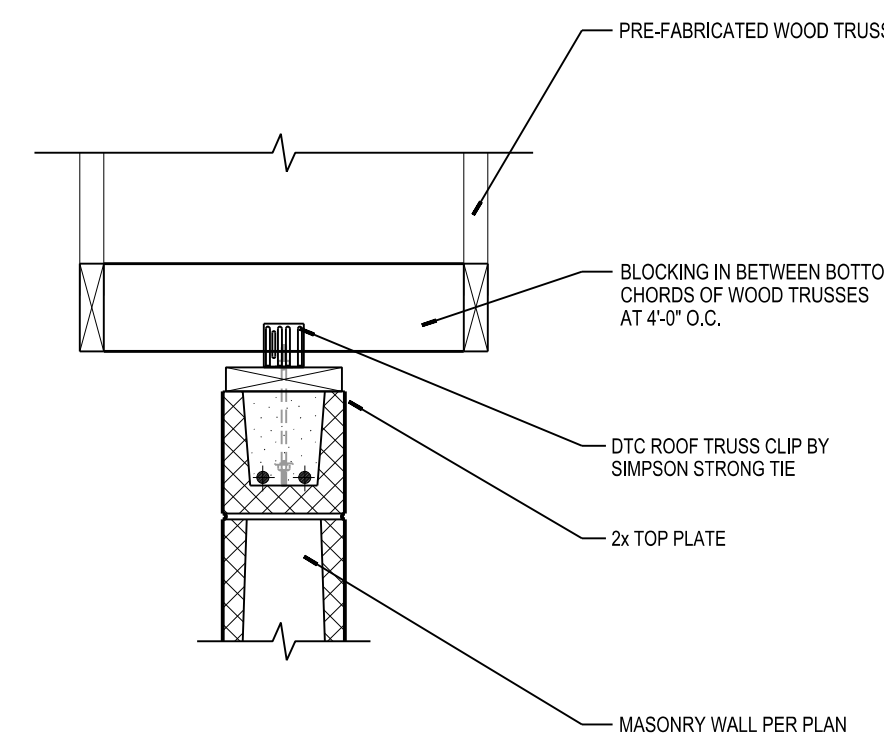
ADDITIONAL SNOW DRIFTING DIAGRAM

SCALE: NOT TO SCALE



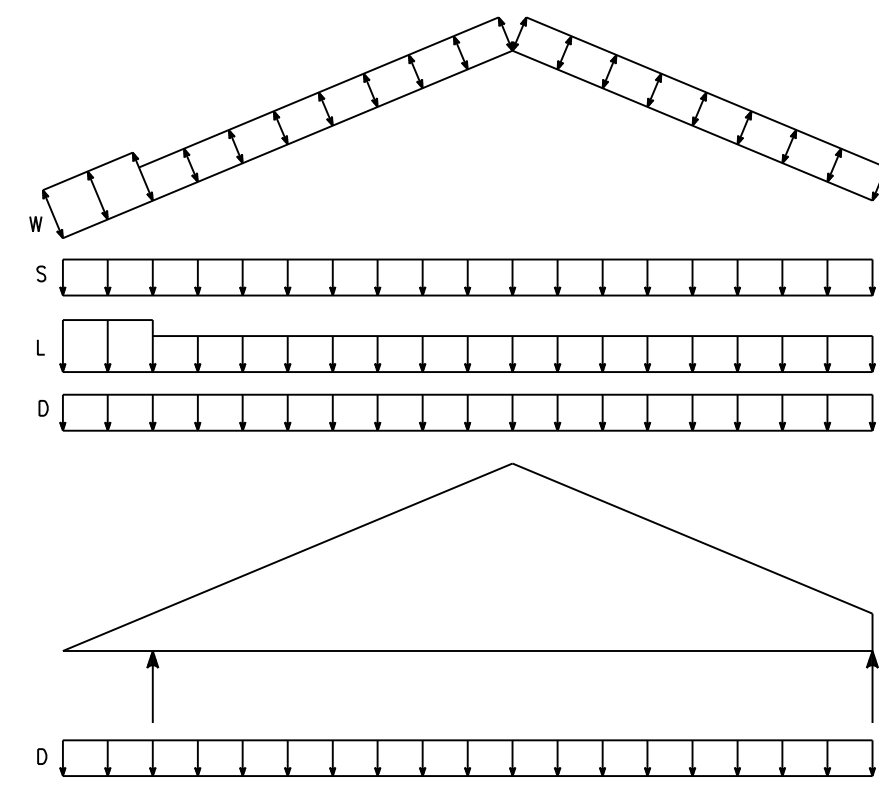
22 WOOD DECK AT MASONRY WALL SUPPORT  
S201

SCALE: 1"=1'-0"

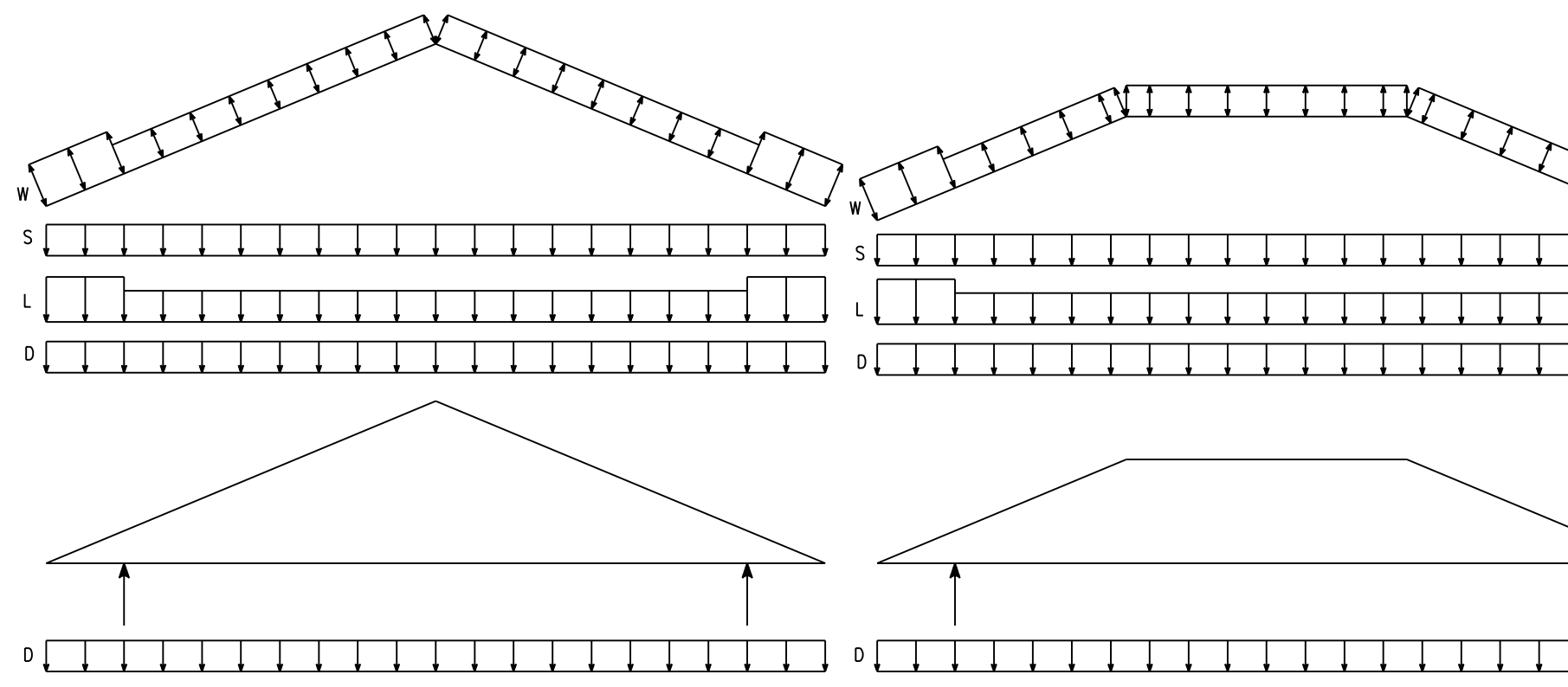


21 MASONRY NON-BEARING WALL LATERAL SUPPORT  
S201

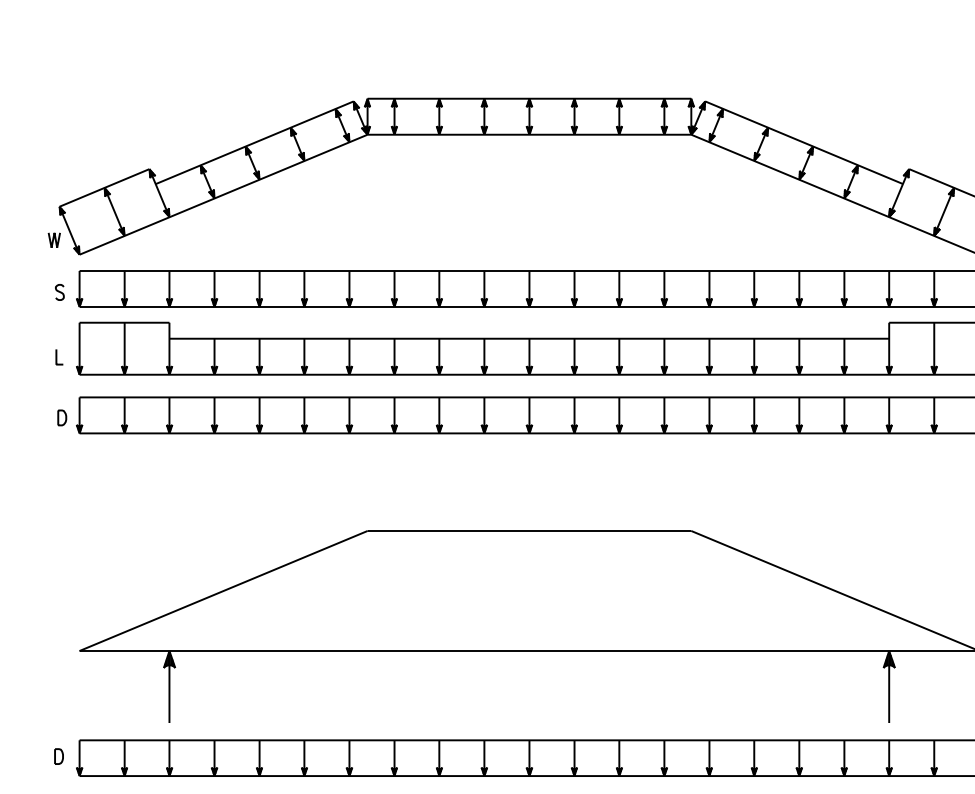
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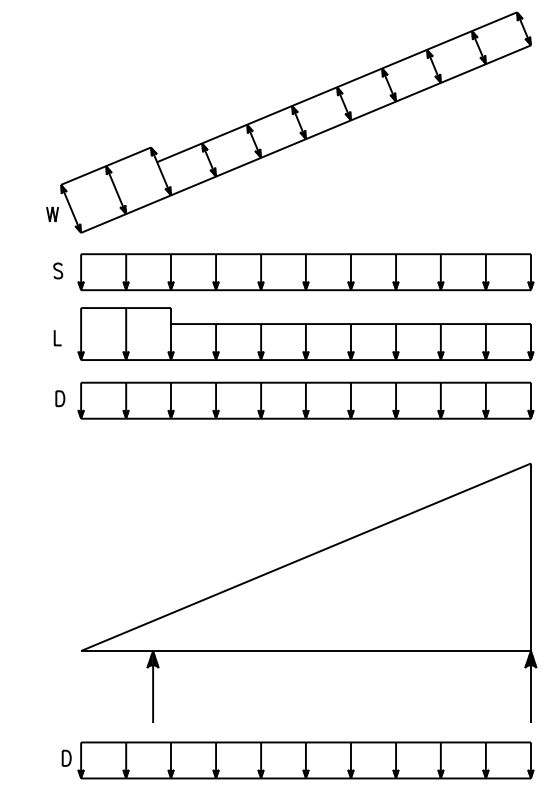
TYPE T5 - DROP BOTTOM CHORD GABLE TRUSS



TYPE T4 - DROP BOTTOM CHORD GABLE TRUSS

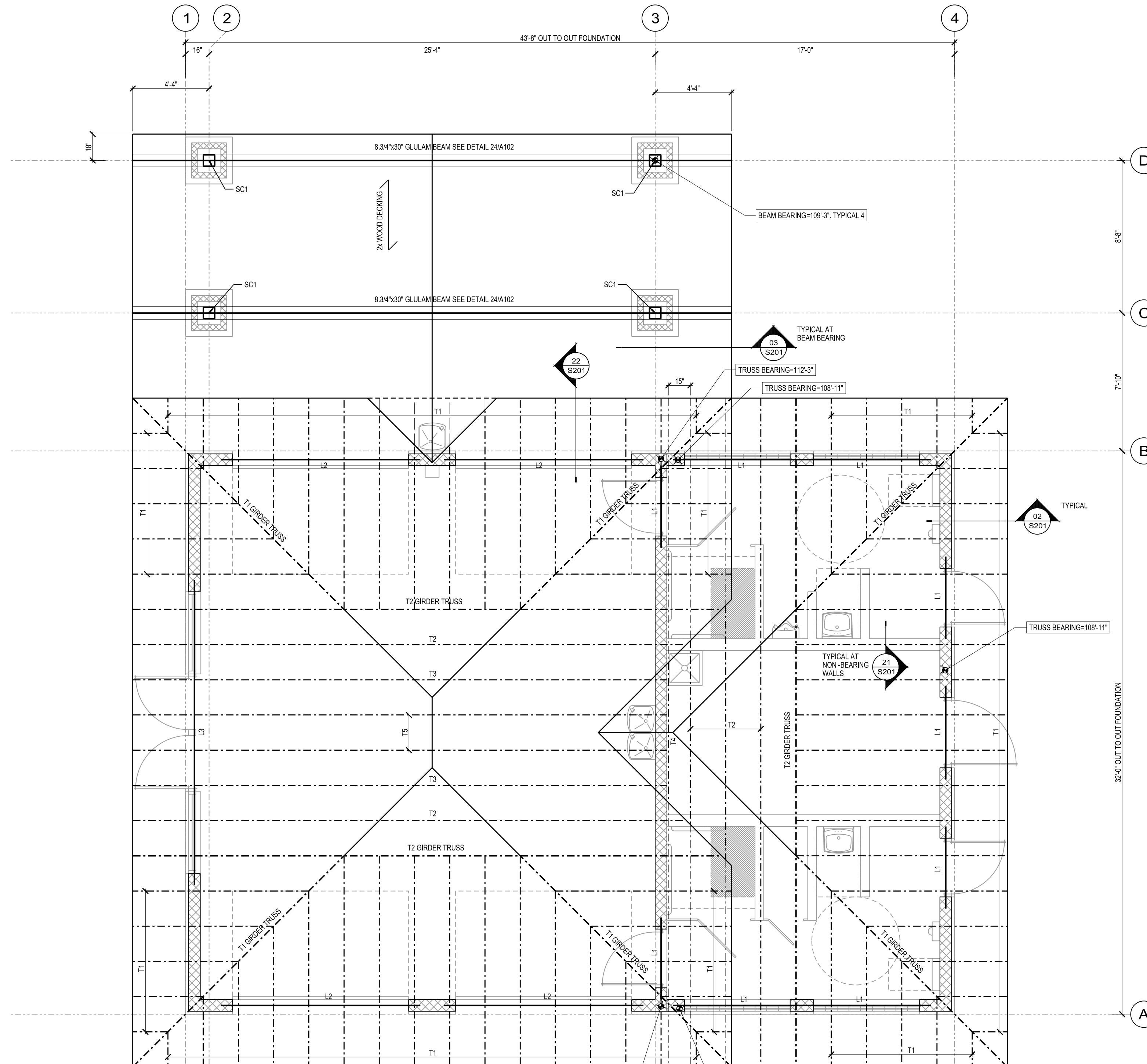


TYPE T3 - DROP BOTTOM CHORD HIP TRUSS



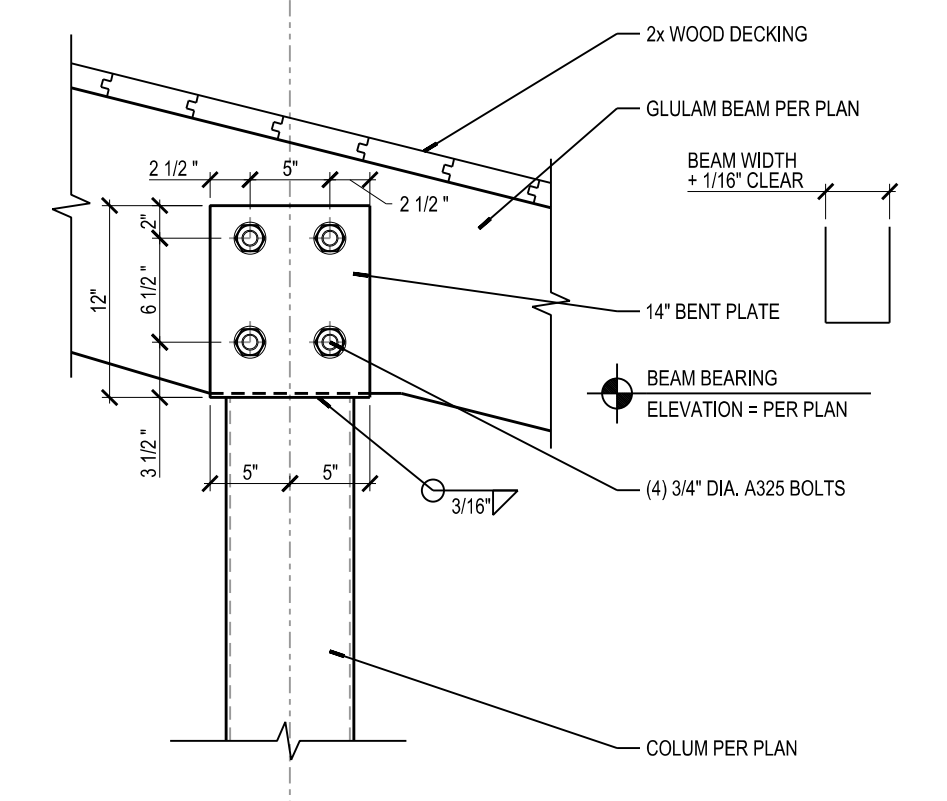
TYPE T2 - DROP BOTTOM CHORD HIP TRUSS

TYPE T1 - DROP BOTTOM CHORD MONO TRUSS



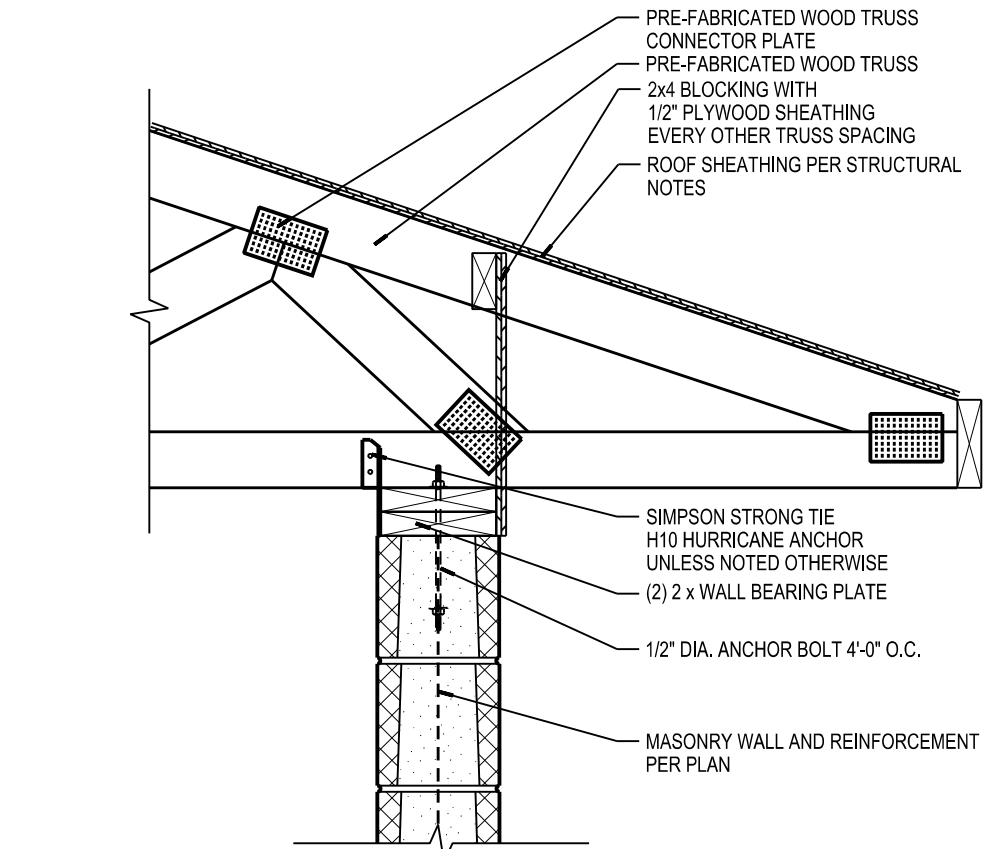
ROOF FRAMING PLAN

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



03 BEAM TO COLUMN CONNECTION  
S201

SCALE: 1"=1'-0"



02 TRUSS BEARING AT MASONRY WALL  
S201

SCALE: 1"=1'-0"

GENERAL NOTES

- SC1 COLUMN SHALL BE HSS8x8x1/4 STEEL TUBE WITH 3/4"x14"x14" BASE PLATE PER DETAIL 24S101 AND CAP PLATE PER DETAIL 03S201

WOOD TRUSS ROOF FRAMING NOTES

- SHADED WALLS INDICATE BEARING WALLS
- WOOD TRUSSES SHALL BE SPACED 7'-0" O.C. UNLESS NOTED OTHERWISE
- TRUSS BEARING HEIGHT SHALL BE 112'-3" UNLESS NOTED OTHERWISE
- TRUSS OVERHANG SHALL BE 3'-0" FROM OUTSIDE FACE OF FOUNDATION WALL TO OUTSIDE FACE OF FASCIA BOARD UNLESS NOTED OTHERWISE
- PROVIDE 2x FASCIA MATCHING TRUSS DEPTH AT END UNLESS NOTED OTHERWISE

MASONRY WALL NOTES

- BOND BEAMS SHALL HAVE (2)#4 BARS CONTINUOUS UNLESS NOTED OTHERWISE
- WALLS SHALL BE REINFORCED WITH #4 VERTICAL BARS AT 4'-0" O.C. UNLESS NOTED OTHERWISE
- MASONRY WALLS SHALL BE LAID IN RUNNING BOND UNLESS NOTED OTHERWISE
- L1 LINTEL SHALL BE 8x16 BOND BEAM REINFORCED W/IT (2) #5 BARS  
L2 LINTEL SHALL BE W16x24 STEEL BEAM WITH 1/4"x7-1/2"x 12" CONT. STEEL BOTTOM PLATE  
L3 LINTEL SHALL BE W16x31 STEEL BEAM WITH 1/4"x7-1/2"x 12" CONT. STEEL BOTTOM PLATE

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PARK SHELTER  
CITY OF FITCHBURG  
FITCBURG, WI

PROJECT NUMBER: 56790  
APPROVED BY: J.H.  
REVIEWED BY: J.C.T.  
DRAWN BY: G.N.S.  
2/9/2016 5:04:24 PM

ROOF FRAMING PLAN

S201

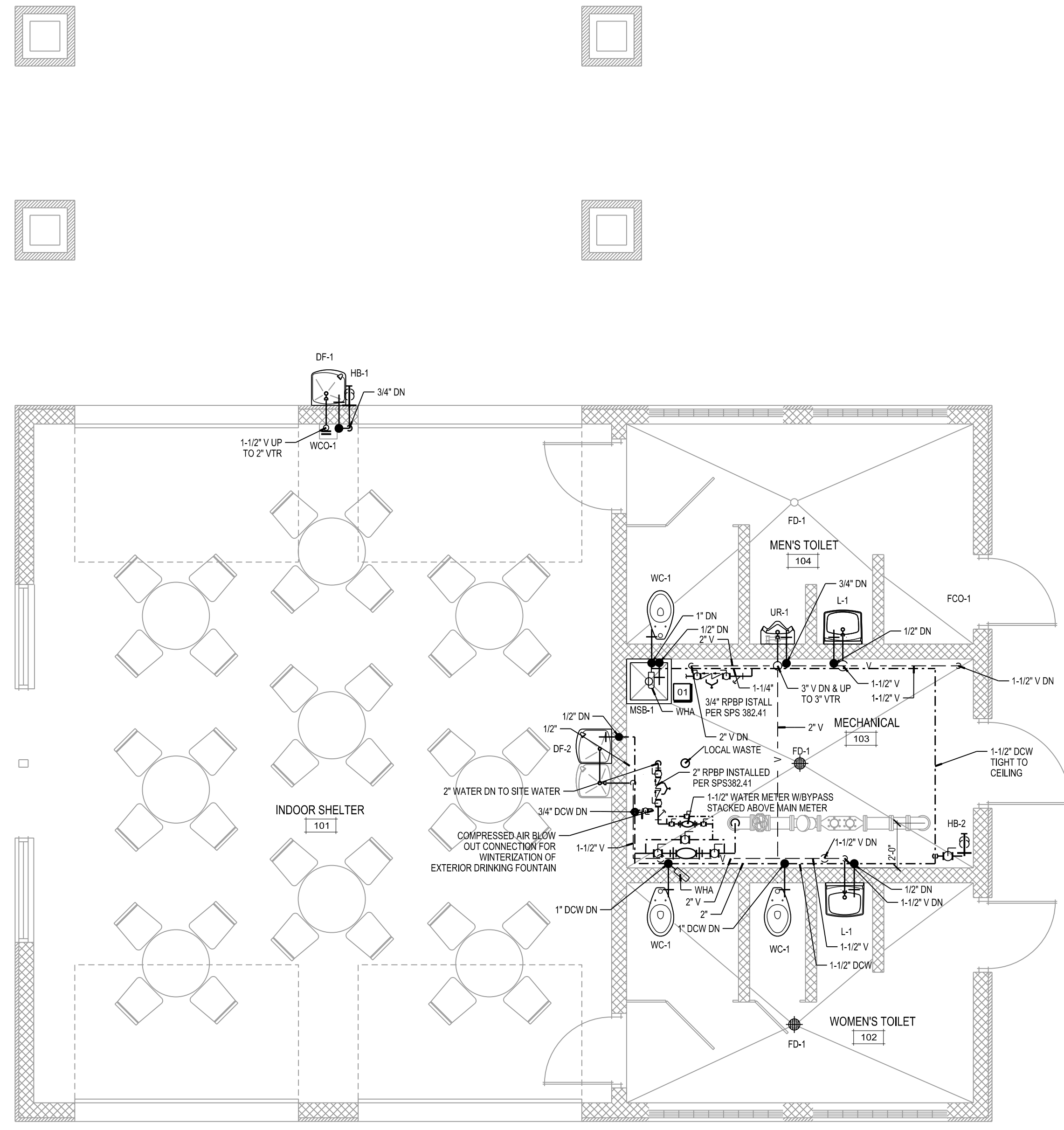
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ORIGINAL SIZE: 24" x 36" PLOTTED BY: Bmwf X:\2016\02\56790\56790.dwg

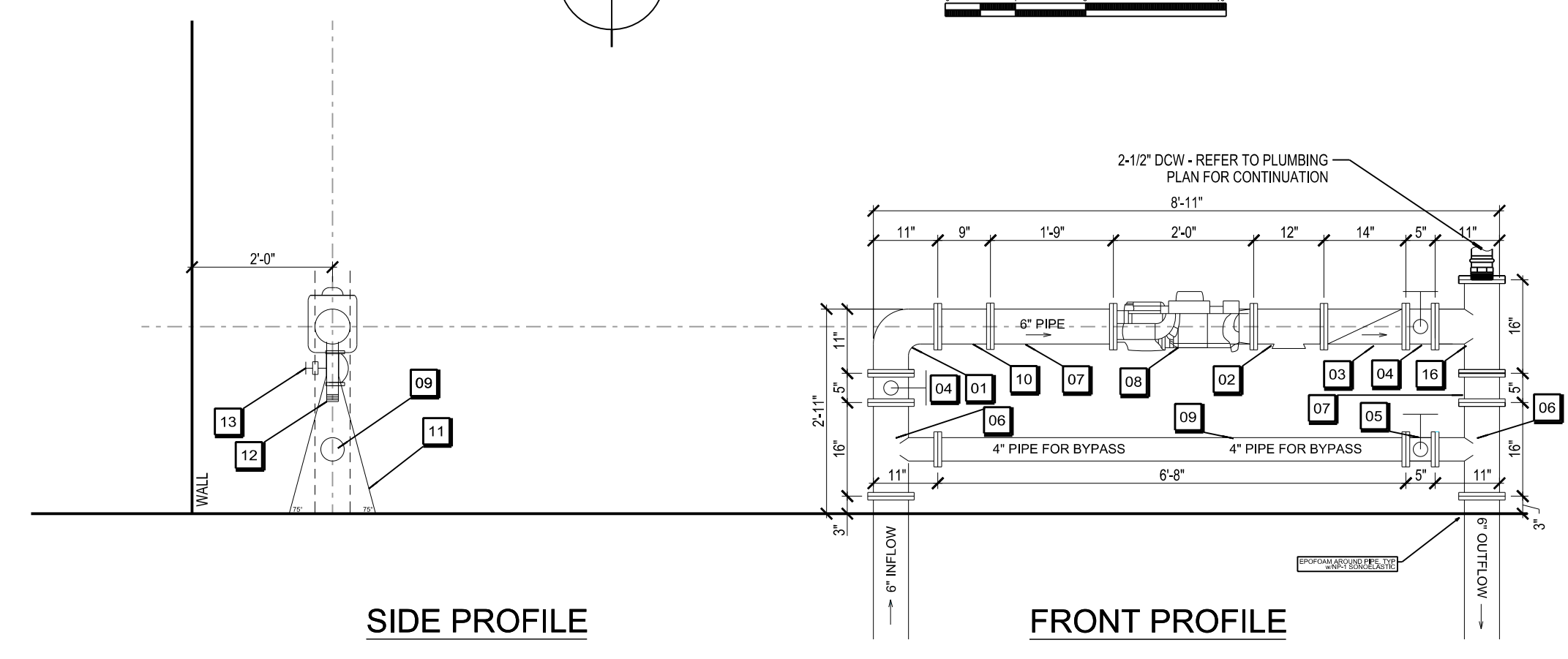


SCALE: 1/8"=1'-0"  
 PLOTTED BY: BAW

ORIGINAL SIZE: 24" x 36"  
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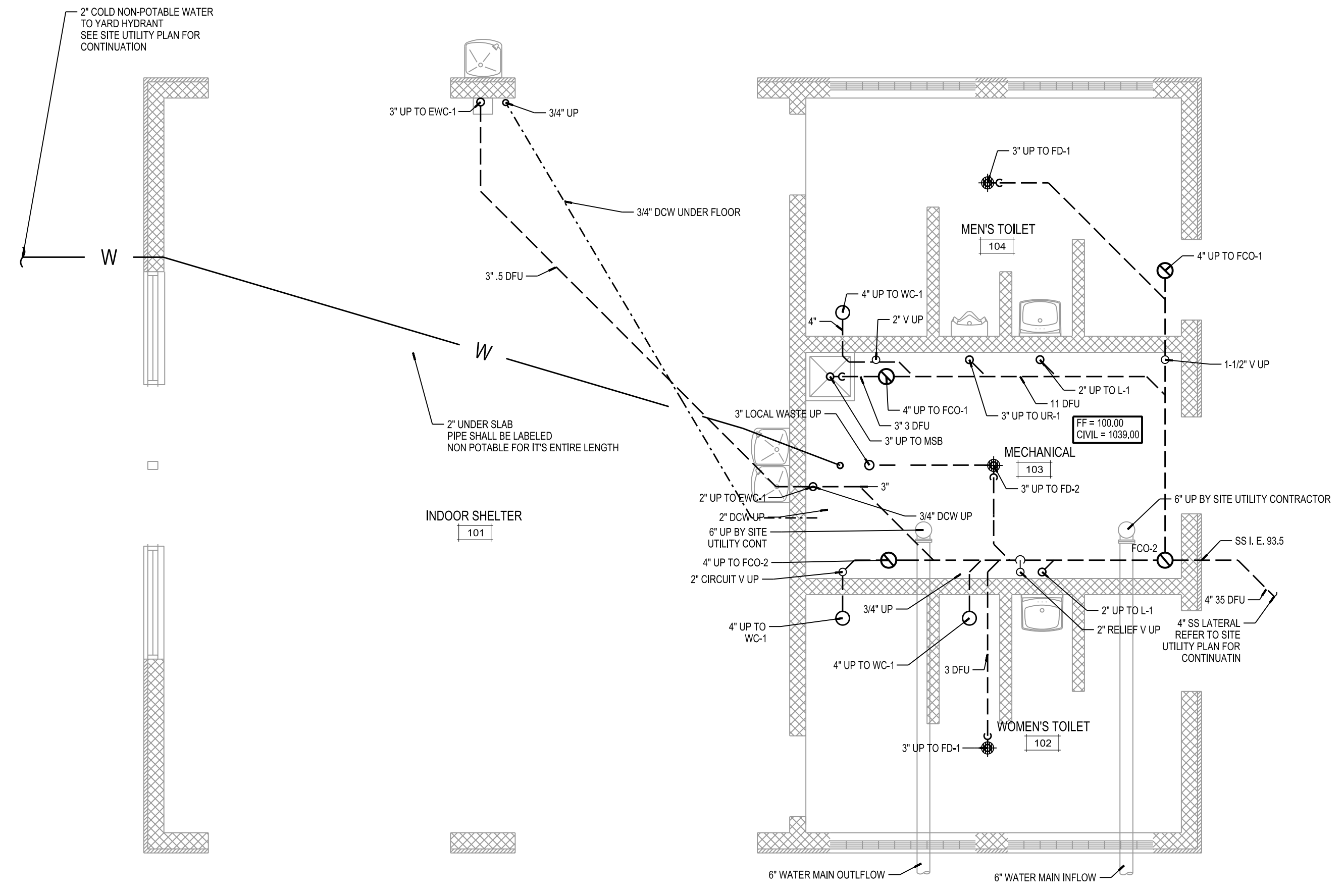


**PLUMBING FLOOR PLAN**  
 SCALE: 1/4"=1'-0"



**METER STATION DETAILS**  
 SCALE: N.T.S.

- NOTES:
- SITE CONTRACTOR TO INSTALL 6" VERTICAL WATER SERVICE TO ABOVE FLOOR AND INSTALL FLANGE WITH FLANGE HOLES CORRECTLY ORIENTED
  - INSULATE ALL PIPING IN ACCORDANCE WITH SPEC. SECTION 22 10 00
  - RESTRAINT SHALL BE PROVIDED PER SPEC. SECTION 33 10 00



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

**METER STATION KEYNOTES**

- 01 6" 90 DEGREE BEND
  - 02 6" x 2" TEST CONNECTION TEE - 2" END TO FACE DOWN - SEE SIDE PROFILE
  - 03 6" MUELLER UNWEIGHTED CHECK VALVE
  - 04 6" MUELLER BUTTERFLY VALVE, HANDLE AS SHOWN
  - 05 4" MUELLER BUTTERFLY VALVE, HANDLE AS SHOWN
  - 06 6" x 4" TEE, OUTFLOW TEE TO HAVE SMOOTH END SAMPLE FAUCET WITH 3" BALL VALVE AND ASSOCIATED PIPE / FITTINGS. CONNECTION TO DUCTILE IRON PIPE SHALL BE THREADED.
  - 07 STRAIGHT PIPE
  - 08 6" OMNI T2 METER "OR" 6" RECORDALL BADGER METER PROVIDED BY MADISON WATER UTILITY
  - 09 4" BYPASS PIPING
  - 10 1" STRAINER
  - 11 SUPPORTS AS REQUIRED
  - 12 2" THREADED MALE CONNECTION END
  - 13 BALL VALVE, 1/4 TURN SIZED PER PIPE
  - 14 1-1/2" BUILDING WATER METER PROVIDED BY FITCHBURG WATER UTILITY (VERIFY DIMENSIONS WITH WATER UTILITY)
  - 15 2" SITE WATER METER PROVIDED BY FITCHBURG WATER UTILITY (VERIFY DIMENSIONS WITH WATER UTILITY)
  - 16 6" x 6" TEE
  - 17 6" x 3" TAPPED FLANGE
  - 18 3" 90 DEG WROUGHT COPPER ELL
  - 19 1-1/2" 90 DEGREE WROUGHT COPPER ELL
- SUPPORT HANGER

**KEYNOTES**

- 01 3/4" RPBP TO BOILER CONTINUED BY OTHERS. ROUTE DRAIN TO LOCAL WASTE.

**GENERAL NOTES**

- COORDINATE ALL PLUMBING WITH ELECTRICAL, MECHANICAL AND FIRE PROTECTION CONTRACTORS.
- SUSPENDED PIPING AFF SHALL BE RUN TIGHT TO BOTTOM OF STRUCTURE.
- ALL WATER PIPING IN FINISHED AREAS SHALL BE CONCEALED ABOVE CEILINGS OR WITHIN WALLS.
- INSTALL ALL WATER DISTRIBUTION PIPING PITCHED TO DRAIN TO LOWEST POINT(S).
- PROVIDE DRAIN VALVES AT LOW POINTS
- INSTALL 3" AND LARGER DRAIN PIPE WITH MINIMUM PITCH OF 1/8" PER LINEAR FOOT.
- INSTALL 2" AND SMALLER DRAIN PIPE WITH MINIMUM PITCH OF 1/4" PER LINEAR FOOT.
- PLUMBING CONTRACTOR SHALL THOROUGHLY CLEAN ALL EXISTING SANITARY SEWER LINES BEFORE MAKING NEW CONNECTIONS TO THE EXISTING SANITARY LINES.
- ALL SANITARY PLUMBING TO BE CONCEALED WITHIN WALLS, BELOW FLOORS AND ABOVE CEILINGS IN ALL AREAS.
- ALL WATER PIPING IN MECHANICAL ROOM SHALL BE FASTENED TIGHT TO WALL AND INSTALLED AFTER WALLS ARE PAINTED.

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**HUEGEL-JAMESTOWN  
 PARK SHELTER  
 CITY OF FITCHBURG  
 FITCHBURG, WI**

PROJECT NUMBER: 56790  
 APPROVED BY: J.H.  
 REVIEWED BY: J.C.T.  
 DRAWN BY: J.D.F.  
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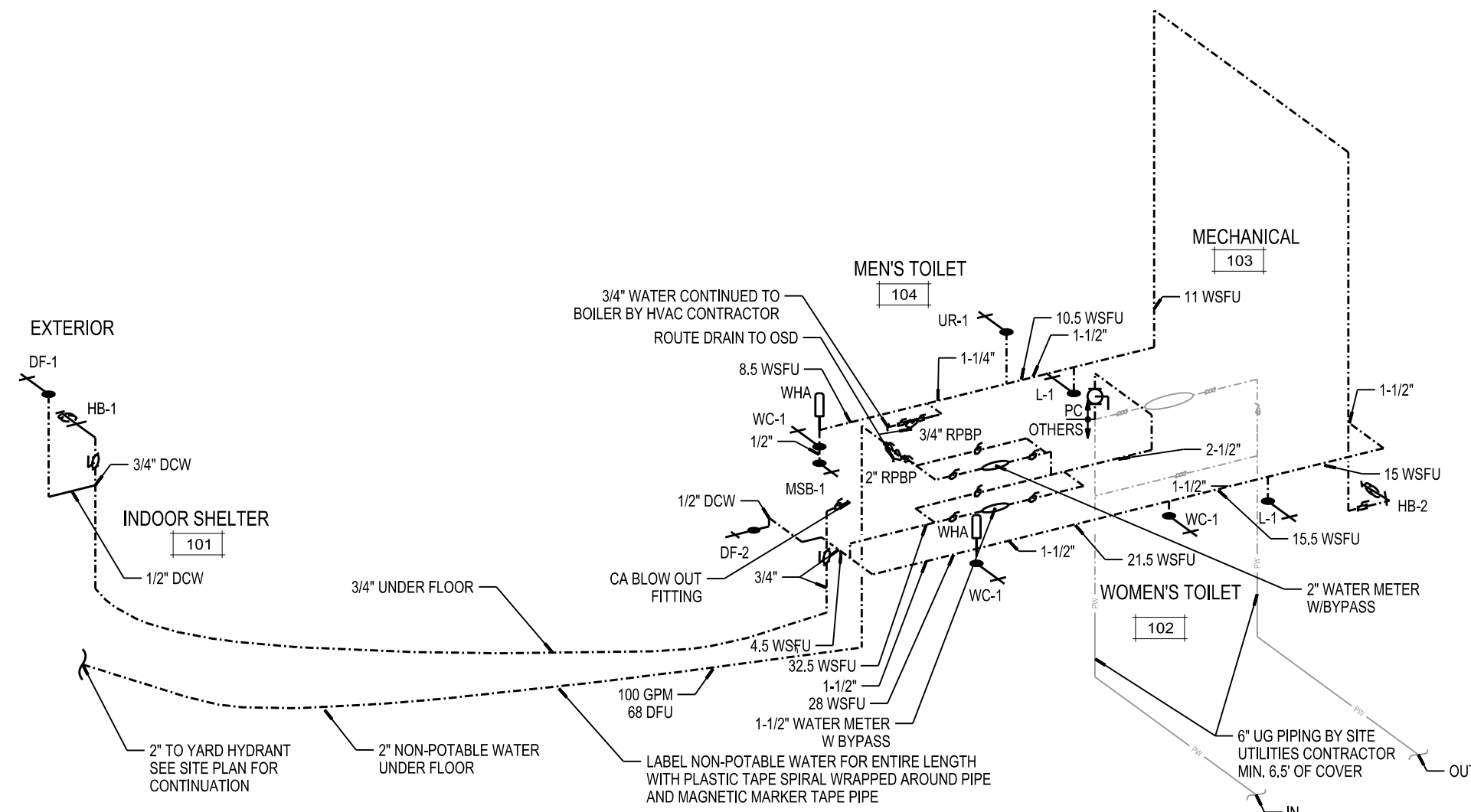
PLUMBING FLOOR PLAN

**P101**

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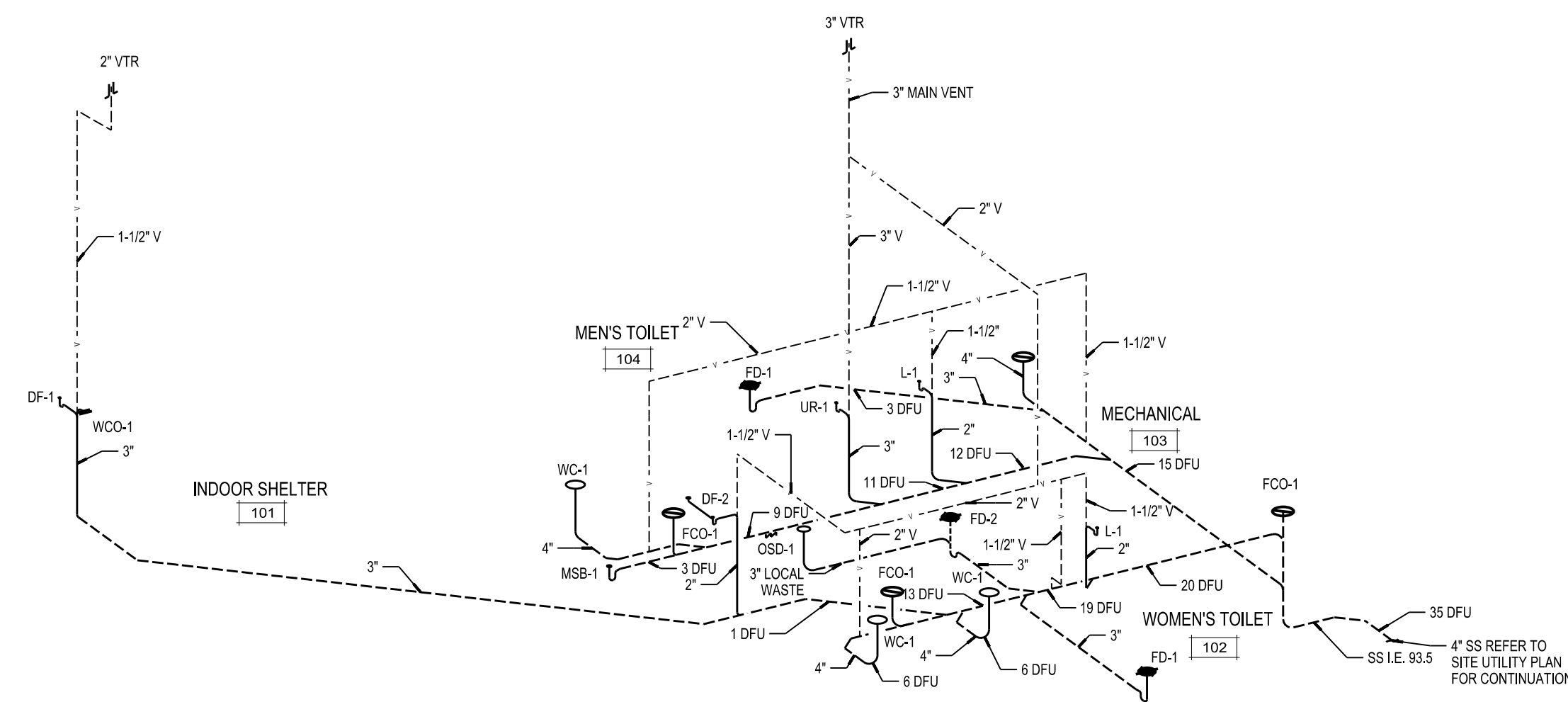
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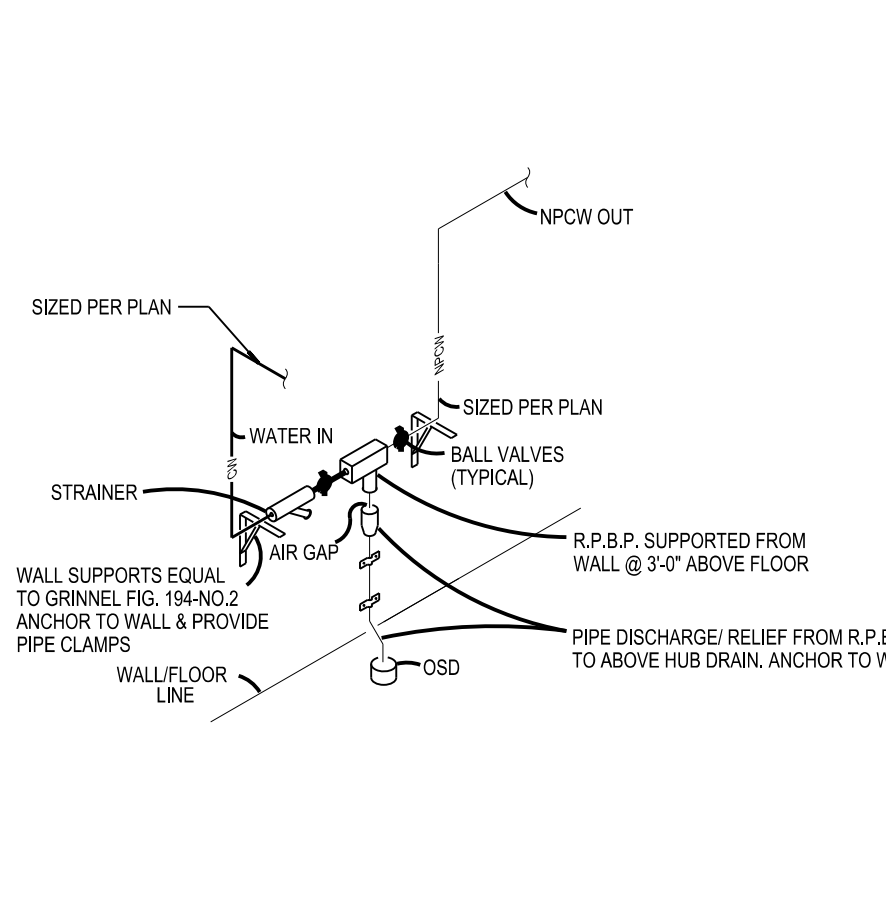
NOTE:  
 1. PLUMBING CONTRACTOR SHALL CONTACT LOCAL WATER UTILITY TO COORDINATE WATER METER INSTALLATION REQUIREMENTS.  
 2. 2" RPB SHALL BE MOUNTED ABOVE HVAC FLOOR HEAT CONTROL MANIFOLDS.

**WATER DISTRIBUTION ISOMETRIC PLAN**  
 SCALE: NONE



**SANITARY DWV ISOMETRIC PLAN**  
 SCALE: NONE

Water Calculation for HUEGEL/JAMESTOWN PARK SHELTER - CITY OF FITCHBURG			
INFORMATION REQUIRED TO CALCULATE WATER SERVICE SIZE			
1	Demand of Building in GPM	WSFUs	39.75
2	PREDOMINATELY FLUSH VALVE		
3	Difference in Elevation from main or external pressure tank to building control valve.	(feet)	0
4	Size of the Water Meter. (when applicable)		
5	Developed length from main or ext pressure tank to building control valve.	10	1
6	Low Pressure at main in street or external pressure tank.	56	56
CALCULATE WATER SERVICE PRESSURE LOSS			
7	LOW PRESSURE AT POINT OF CONNECTION		56
7	Water service diameter is 6" Material is DIP Pressure Loss per 100 ft = 0 (decimal equivalent of service length, i.e.: 65ft = .65)		0
	(Subtract line 7 from line 6)	Subtotal	56
8	Determine pressure gain or loss due to elevation, (multiply the value of # 2 above by .434)	=	4.34
9	Available pressure after the building control valve. (Subtract or add line 8. Enter in B)	Subtotal	51.66
CALCULATE THE PRESSURE AVAILABLE FOR UNIFORM LOSS (VALUE OF A)			
B	Available Pressure after the building control valve (from 9 above)	Value of B	51.66
C	Pressure Loss of water meter (when meter is required) 1-1/2" WM	Value of C	0.5
		Subtotal	51.16
D	Pressure at controlling fixture (Controlling fixture is FLUSH VALVE WATER CLOSET)	Value of D	15
		Subtotal	36.16
E	Difference in elevation between the building control valve and the controlling fixture in feet	0 x .434	0
		Subtotal	36.16
F	Pressure loss due to water treatment devices, instantaneous water heaters and backflow preventers which serve the controlling fixture. (Pressure loss due to )	Value of F	0
		Subtotal	36.16
G	Developed length from the building control valve to the controlling fixture in ft. 3 X 1.5	Value of G	4.5
		Subtotal	8.035556
	(Divide by the value of G)		
(Water Dist Pipe Material is) PEX			
A	Pressure available for uniform loss	A =	36
		ROUNDED UP A =	36



**10 REDUCED PRESSURE ZONE BFP**  
 P401 SCALE: NONE

PLUMBING LINE LEGEND	
---	DOMESTIC COLD WATER
---	DOMESTIC HOT WATER
---	DOMESTIC HOT WATER RETURN
---	DOMESTIC TEMPERED WATER SUPPLY
---	DOMESTIC TEMPERED WATER RETURN
---	SANITARY SEWER
---	SANITARY SEWER (UNDERGROUND OR UNDERFLOOR)
---	SANITARY VENT
---	STORM DRAIN
---	STORM DRAIN (UNDERGROUND OR UNDERFLOOR)
---	COMPRESSED AIR
---	PIPE TO BE DEMOLISHED
---	PIPE TO BE ABANDONED IN PLACE

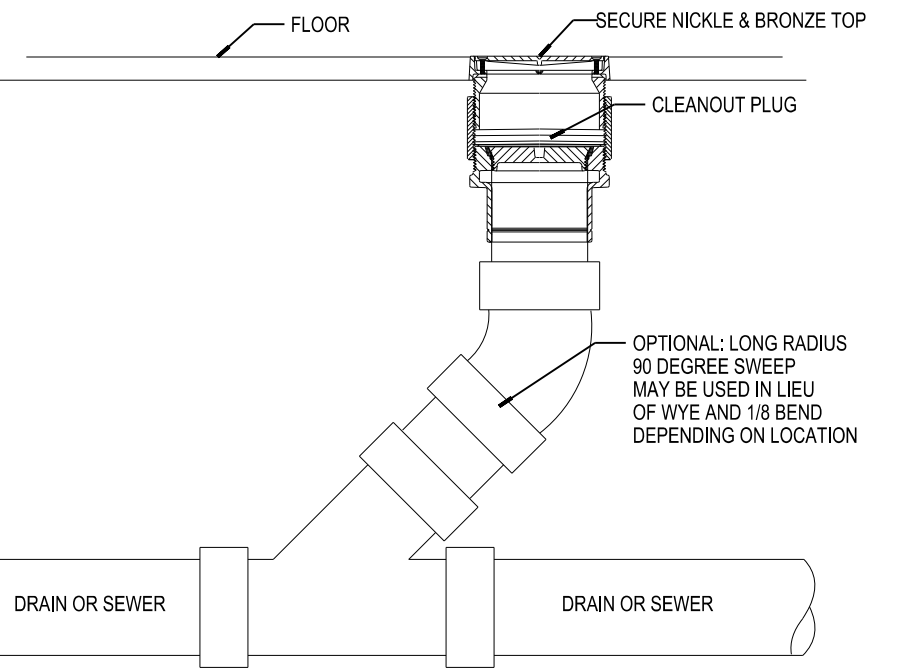
NOTE: ALL LINES MAY NOT BE USED IN THIS SET.

PLUMBING ABBREVIATION LEGEND			
AAV	AUTOMATIC AIR VALVE	MFG	MANUFACTURER, MANUFACTURED
AFB	ABOVE FINISHED FLOOR	MPV	NON-POTABLE WATER
BHP	BELOW FINISHED FLOOR	OC	ON CENTER
BOP	BOTTOM OF PIPE	PC	PLUMBING CONTRACTOR
CA	COMPRESSED AIR	PRES	PRESSURE
COMP	COMPRESSOR	PD	PRESSURE DROP
CONN	CONNECTION	PERF	PERFORATED
COP	COEFFICIENT OF PERFORMANCE	POC	POINT OF CONNECTION
COTG	CLEANOUT TO GRADE	PSI	POUNDS PER SQUARE INCH GAGE
CWW	CLEAR WATER WASTE	PSIA	POUNDS PER SQUARE INCH ABSOLUTE
D	DIAMETER	PSIG	POUNDS PER SQUARE INCH GAGE
DIA	DIAMETER	RC	ROOFING CONTRACTOR
DCW	DOMESTIC COLD WATER CITY	RD	ROOF DRAIN
DOW	DOMESTIC COLD WATER SOFT	RET	RETURN
DET	DETAIL	SAN	SANITARY SEWER
DFU	DRAINAGE FIXTURE UNIT	SF	SQUARE FEET
DHW	DOMESTIC HOT WATER	SFU	WATER SUPPLY FIXTURE UNIT
DHWV	DOMESTIC HOT WATER RETURN	SOV	SHUT-OFF VALVE
DTW	DOMESTIC TEMPERED WATER	SP	STANDPIPE
EC	ELECTRICAL CONTRACTOR	ST	STORM SEWER
EG	EXISTING	STM	STEAM
EXG	FLOOR CLEANOUT	SUP	SUPPLY
FD	FLOOR DRAIN	TC	TEMPERATURE CONTROLS CONTRACTOR
FFA	FROM FLOOR ABOVE	TDM	TOTAL DYNAMIC HEAD
FFB	FROM FLOOR BELOW	TFA	TO FLOOR ABOVE
FLA	FILL LOAD AMPS	TFB	TO FLOOR BELOW
FPC	FIRE PROTECTION CONTRACTOR	THRU	THROUGH
GA	GAGE	TMV	THERMOSTATIC MIXING VALVE
GC	GENERAL CONTRACTOR	TSTAT	THERMOSTAT
GI	GREASE INTERCEPTOR	TYP	TYPICAL
GPM	GALLONS PER MINUTE	T&P	TEMPERATURE AND PRESSURE
GYP	GYPSUM WALL BOARD	TIC	TIME CLOCK
HP	HORSEPOWER	UF	UNDERFLOOR
IE	INVERT ELEVATION	UG	UNDERGROUND
IW	INDIRECT WASTE	V	VENT
IWV	INDUSTRIAL WASTE	VTR	VENT THROUGH ROOF
LWT	LEAVING WATER TEMP.	VTW	VENT THROUGH WALL
MAV	MANUAL AIR VENT	W	WASTE SEWER
MBH	THOUSAND BTU PER HOUR	WC	WATER COLUMN PRESSURE
MC	MECHANICAL CONTRACTOR	WCO	WALL CLEANOUT
		WG	WATER GAGE PRESSURE
		WHA	WATER HAMMER ARRESTER
		W	WITHOUT
		W/O	WITHOUT

NOTE: ALL ABBREVIATIONS MAY NOT BE USED IN THIS SET.

PLUMBING SYMBOL LEGEND	
[M]	METER
[R]	ROOF DRAIN (ABOVE)
[B]	BALL VALVE
[G]	GATE VALVE
[C]	CHECK VALVE
[F]	BUTTERFLY VALVE
[N]	NEEDLE VALVE
[C]	CONTROL VALVE
[S]	SOLENOID VALVE
[P]	BACKFLOW PREVENTER
[R]	REDUCED PRESSURE BACKFLOW PREVENTER WAIRGAP
[R]	RELIEF VALVE
[B]	BALANCE VALVE
[T]	TRIPLE DUTY VALVE
[P]	BALL VALVE/PLUG VALVE
[W]	WATER SERVICE VALVE
[R]	CIRCUIT SETTER, GAS REGULATOR
[T]	THRUST BLOCKING
[F]	FLEXIBLE CONNECTOR
[T]	THERMAL EXPANSION TANK
[H]	HOSE BIBB
[F]	FILTER-REGULATOR OILER AIR SET
[G]	PRESSURE GAGE
[T]	THERMOMETER
[C]	CIRCULATION PUMP
[D]	FLOOR DRAIN
[C]	FLOOR CLEANOUT
[C]	CLEANOUT, WALL CLEANOUT
[U]	UNION CONNECTION
[F]	FLANGED CONNECTION
[C]	SANITARY RISE & CONNECTION
[C]	HOT WATER DROP & CONNECTION
[C]	COLD WATER DROP & CONNECTION
[C]	WATER HAMMER ARRESTER (WHA-X) WHERE X= PDI DESIGNATION
[D]	PIPE DROPS
[R]	PIPE RISES
[J]	VENT THROUGH ROOF
[C]	POINT OF CONNECTION TO EXISTING, FIELD VERIFY
[B]	BACKWATER VALVE

NOTE: ALL SYMBOLS MAY NOT BE USED IN THIS SET.



**05 FLOOR CLEANOUT**  
 P401 SCALE: NONE

PLUMBING FIXTURE CONNECTION SCHEDULE AND FIXTURE UNIT VALUES											
TAG	DESCRIPTION	CONNECTIONS			SFU			DFU			
		WASTE	COLD	COLD	SUBTOTAL	FIXTURES	COLD SUBTOTAL	TOTAL	VALUE	FIXTURES	TOTAL
DF-1	DRINKING FOUNTAIN WITH BOTTLE FILLER	1 1/4	1/2	0.25	0.25	1	0.25	0.25	0.5	1	0.5
DF-2	DUAL LEVEL DRINKING FOUNTAIN	2	1/2	0.25	0.25	1	0.25	0.25	0.5	1	0.5
FD-1	FLOOR DRAIN	3					0	0	3	3	9
L-1	WALL MOUNT LAVATORY	1 1/2	1/2	0.50	1	2	1	2	1	2	2
MSB-1	FLOOR MOUNTED MOP SINK	3	1/2	2.00	2	1	2	2	3	1	3
UR-1	WALL MOUNT WASHDOWN URINAL	2	3/4"	2.00	2	1	2	2	2	1	2
WC-1	FLUSHOMETER WATER CLOSET	4	1/2	6.50	6.5	3	19.5	19.5	6	3	18
	<b>TOTALS</b>					<b>9</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>35</b>	

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PLUMBING ISOMETRICS  
 DETAILS LEGENDS &  
 SCHEDULES

**P401**

Angus Young Architecture Engineering Interior Design  
 Balance in Creativity  
 555 South River Street, Jamboree, WI 53548-4783  
 Ph: 608.756.2326 Fax: 608.756.0464  
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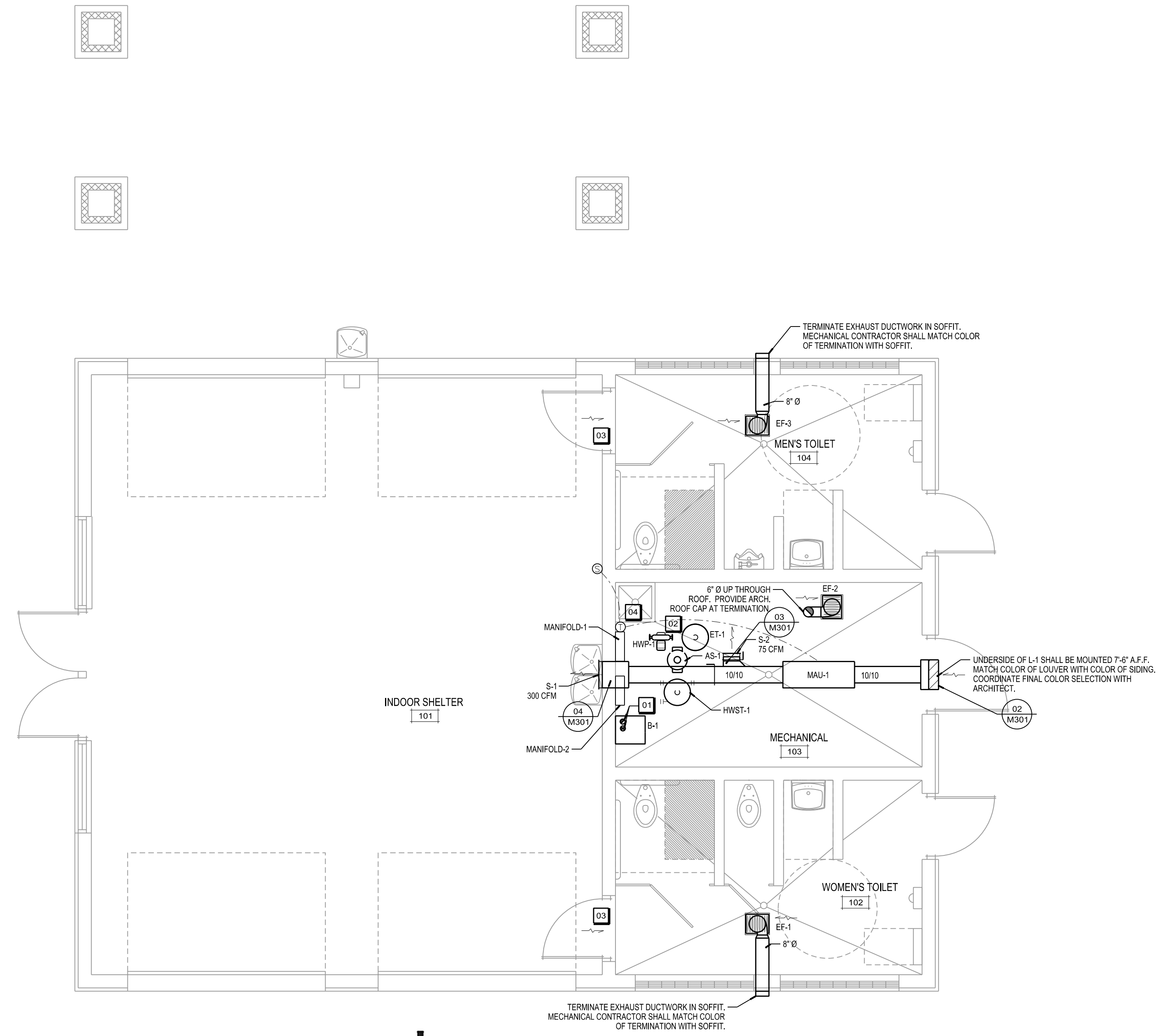
REVISIONS  
 CITY OF MADISON WATER DEPT. REVIEW - 12/07/15  
 BID/CONSTRUCTION - 02/09/2016

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

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SCALE: 1/4"=1'-0"  
 PLOTTED BY: Bmw

ORIGINAL SIZE: 24" x 36"  
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**MECHANICAL FLOOR PLAN**  
 SCALE: 1/4"=1'-0"

HVAC SYMBOL LEGEND	
	SUPPLY AIR INDICATOR
	RETURN/EXHAUST AIR INDICATOR
	DUCT SMOKE DETECTOR
	THERMOSTAT
	FLEXIBLE DUCT CONNECTION
	MOTOR OPERATED DAMPER
	VOLUME DAMPER
	FIRE DAMPER

ALL SYMBOLS MAY NOT BE USED IN THIS SET.

**GENERAL NOTES**

- INSTALL THERMOSTATS/SENSORS NEXT TO AND AT SAME HEIGHT AS LIGHT SWITCHES, UNLESS NOTED OTHERWISE.
- THE FAN ASSOCIATED WITH MAU-1 SHALL BE TIED INTO THE OCCUPANCY SENSORS.
- CONTRACTOR TO COORDINATE WITH ALL TRADES.

**KEYNOTES**

- 01** 3" INTAKE AND VENT SHALL BE ROUTED FROM BOILER PER MANUFACTURERS REQUIREMENTS. ROUTE INTAKE AND FLUE UP THROUGH ROOF. PROVIDE ARCHITECTURAL ROOF CAP AT TERMINATION. FINAL SIZE SHALL BE COORDINATED WITH MANUFACTURERS REQUIREMENTS.
- 02** EQUIPMENT IS SHOWN IN LOCATIONS TO PROVIDE A BETTER ILLUSTRATION OF THE DIFFERENT PIECES OF EQUIPMENT. IF SPACE ALLOWS EXPANSION TANK (ET-1), AIR SEPARATOR (AS-1), AND HOT WATER PUMP (HWP-1) SHALL BE MOUNTED AGAINST WEST WALL OF MECHANICAL ROOM OVER MANIFOLD 1 & 2.
- 03** REFER TO ARCHITECTURAL PLAN FOR SIZING OF DOOR GRILLE AT TOILET ROOM DOORS.
- 04** PROVIDE SENSOR TO SEND SIGNAL TO AND 7-DAY PROGRAMMABLE THERMOSTAT (HONEYWELL RTH6580WF).

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**HUEGEL-JAMESTOWN  
 PARK SHELTER  
 CITY OF FITCHBURG  
 FITCHBURG, WI**

PROJECT NUMBER: 56790  
 APPROVED BY: J.H.  
 REVIEWED BY: JCT  
 DRAWN BY: S.J.G.  
 2/8/2016 5:04:09 PM  
 MECHANICAL FLOOR PLAN

**M101**



BOILER SCHEDULE												
TAG	ROOM LOCATION	HEATING MEDIUM	INPUT MBH	MAX OUTPUT	MIN INPUT	FUEL	HEAT EXCHANGER	EFFICIENCY	INTEGRAL CIRC PUMP	VOLTAGE @ 60HZ	WEIGHT	MANUFACTURER & MODEL NUMBER
B-1	103 MECHANICAL	HOT WATER	100	95	30	NATURAL	STAINLESS STEEL	95.0%	YES	120-1	148	LAARS MASCOT LX 100

1. BOILER PUMP IS SHIPPED WITH BOILER FOR FIELD ASSEMBLY.

CIRCULATING PUMP SCHEDULE											
TAG	ROOM LOCATION	SERVICE	TYPE	SYSTEM DELTA T	GPM	HEAD	GLYCOL %	MOTOR H.P.	MOTOR RPM	VOLTAGE @ 60HZ	MANUFACTURER & MODEL NUMBER
HWP-1	103 MECHANICAL	HOT WATER DISTRIBUTION	IN-LINE	20	8	34.5	30	0.75	1750	120-1	BELL AND GOSSETT MODEL: 1-1/2 X 1-1/2X 78 SERIES 80

HOT WATER STORAGE TANK SCHEDULE						
TANK NO.	STYLE	NOMINAL CAPACITY (GALLONS)	VERTICAL HEIGHT (IN)	TANK DIA.	WEIGHT (LBS)	MANUFACTURER & MODEL NUMBER
HWST-1	VERTICAL	50	43	16	190	TACO BTH-0050F02-125N

EXPANSION TANK SCHEDULE - DIAPHRAGM TYPE										
TANK NO.	TANK TYPE	AVERAGE WATER TEMP.	MIN PRECHARGE PRESSURE (PSIG)	MAX PRECHARGE PRESSURE (PSIG)	% GLYCOL	MAX ACCEPT (GALLONS)	TANK VOLUME (GALLONS)	TANK HEIGHT	TANK DIA.	MANUFACTURER & MODEL NUMBER
ET-1	DIAPHRAGM	110	8.33	67.5	50	10	23	37	16	TACO CX84-125

AIR SEPARATOR				
TAG	DESIGN GPM	AIR LIFT EFF.	P.D.	MANUFACTURER & MODEL NUMBER
AS-1	8	95%	0.5	SPROVENT - VSR200

POT FEEDER SCHEDULE					
TANK NO.	TANK TYPE	TANK VOLUME (GALLONS)	TANK LENGTH	TANK DIA.	MANUFACTURER & MODEL NUMBER
CPF-1	STEEL	5	21	10	GRSWOLD 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	MANUFACTURER & MODEL NUMBER
L-1	103 MECHANICAL	18" x 18" x 6"	1.08	STATIONARY	EXTRUDED ALUMINUM	RUSKIN ELF6350DMP

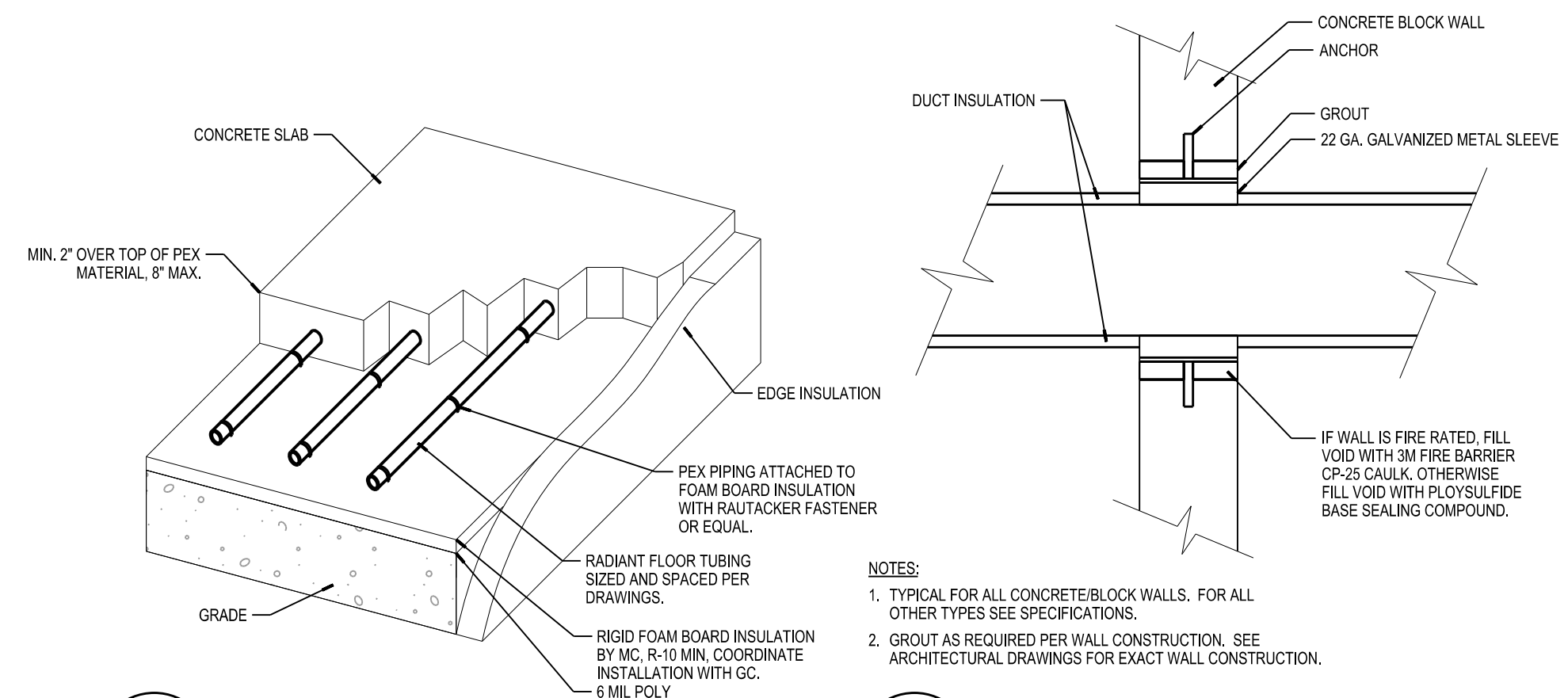
GRILLE, REGISTER & DIFFUSER SCHEDULE			
TAG	DESCRIPTION	NECK	MANUFACTURER & MODEL NUMBER
S-1	16" x 8" STEEL LOUVERED SUPPLY GRILLE, 22.5° DEFLECTION	SEE DRAWING	TITUS 272RL
S-2	8" x 6" STEEL LOUVERED SUPPLY GRILLE, 22.5° DEFLECTION	SEE DRAWING	TITUS 272RL

EXHAUST FAN SCHEDULE											
TAG	ROOM LOCATION	SYSTEM	CFM	SP	RPM	MOTOR H.P.	VOLTAGE @ 60HZ	DRIVE	FAN TYPE	MANUFACTURER & MODEL NUMBER	CONTROL
EF-1	102 WOMENS TOILET	EXHAUST	150	0.375	904	FRACTIONAL	115/1	DIRECT	CENTRIFUGAL	GREENHECK - SP-B200	OCCUPANCY SENSORS
EF-2	103 MECHANICAL	EXHAUST	75	0.375	935	FRACTIONAL	115/1	DIRECT	CENTRIFUGAL	GREENHECK - SP-80-V/G	OCCUPANCY SENSORS
EF-3	104 MENS TOILET	EXHAUST	160	0.375	904	FRACTIONAL	115/1	DIRECT	CENTRIFUGAL	GREENHECK - SP-B200	OCCUPANCY SENSORS

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

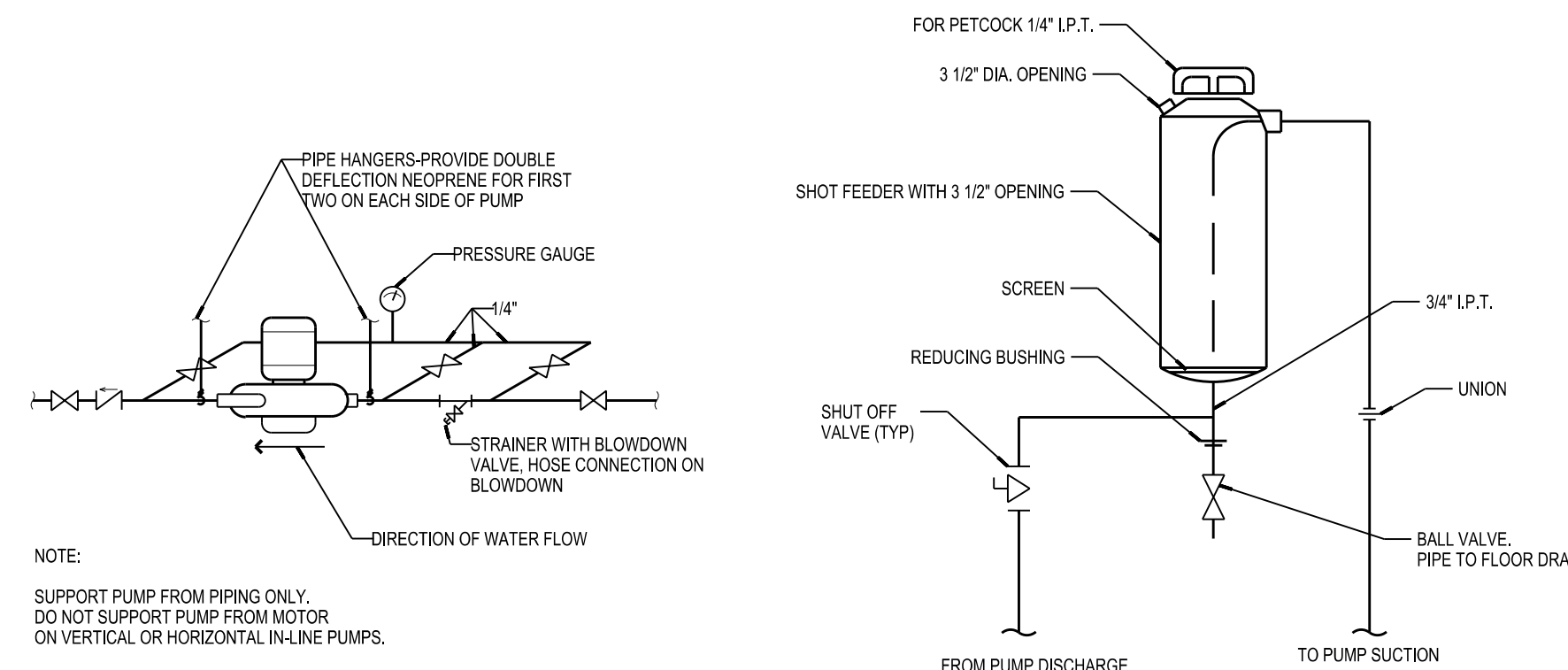
MINI MAKE UP AIR UNIT SCHEDULE									
TAG	SERVICE	CFM	ESP IN WC	KW	VOLTAGE @ 60 HZ	HEATING COIL			MANUFACTURER & MODEL NUMBER
						EAT °F	LAT °F	MBH	
MALU-1	103 MECHANICAL	375	0.25	10	208-1	-15	75	34.2	THERMOLEC FER-12-10KW-208/1

NOTE: UNIT SHALL BE SHIPPED WITH FACTORY INSTALLED DISCONNECT.



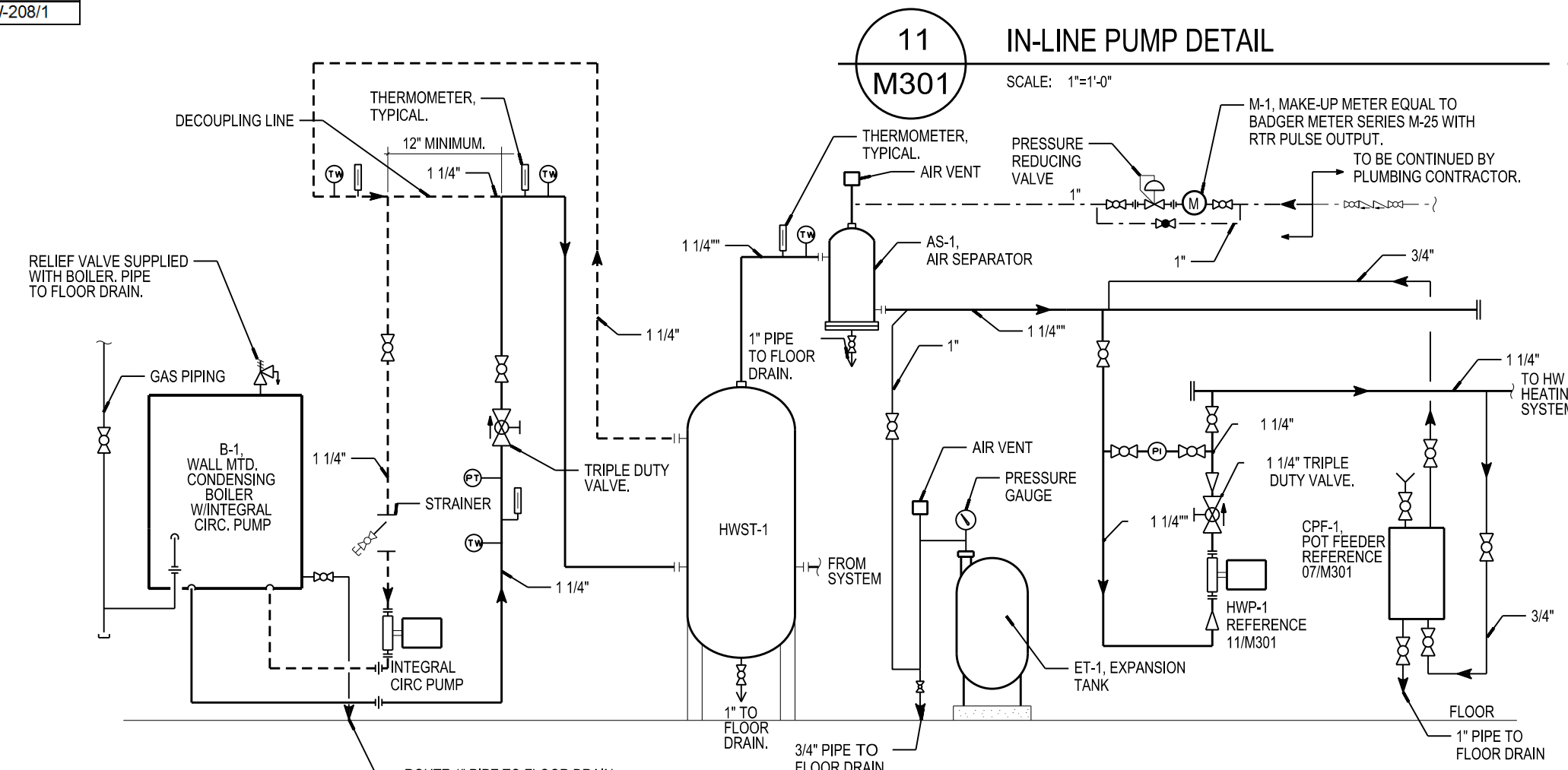
08 RADIANT FLOOR DETAIL  
M301 SCALE: NONE

04 DUCT PASSING THROUGH WALL  
M301 SCALE: NONE



07 CHEMICAL BY-PASS FEEDER  
M301 SCALE: NONE

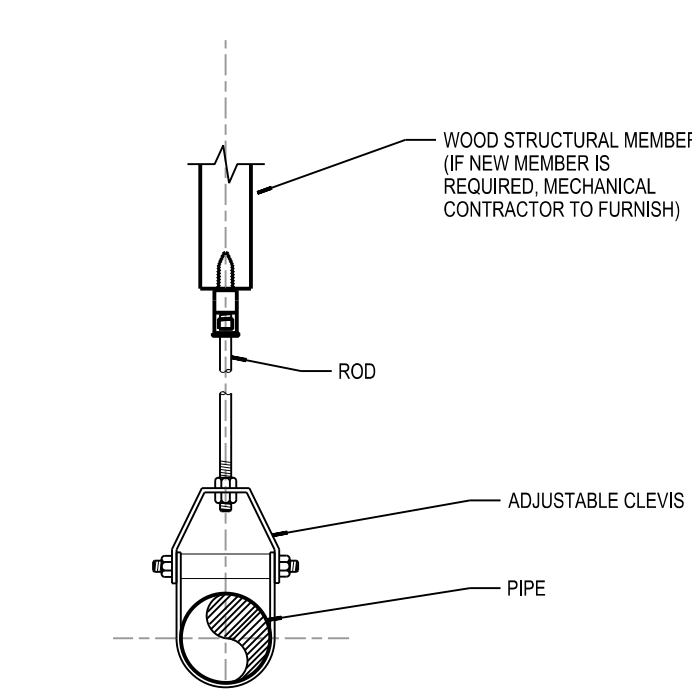
03 TYPICAL LOW LOSS BRANCH TAKEOFF  
M301 SCALE: NONE



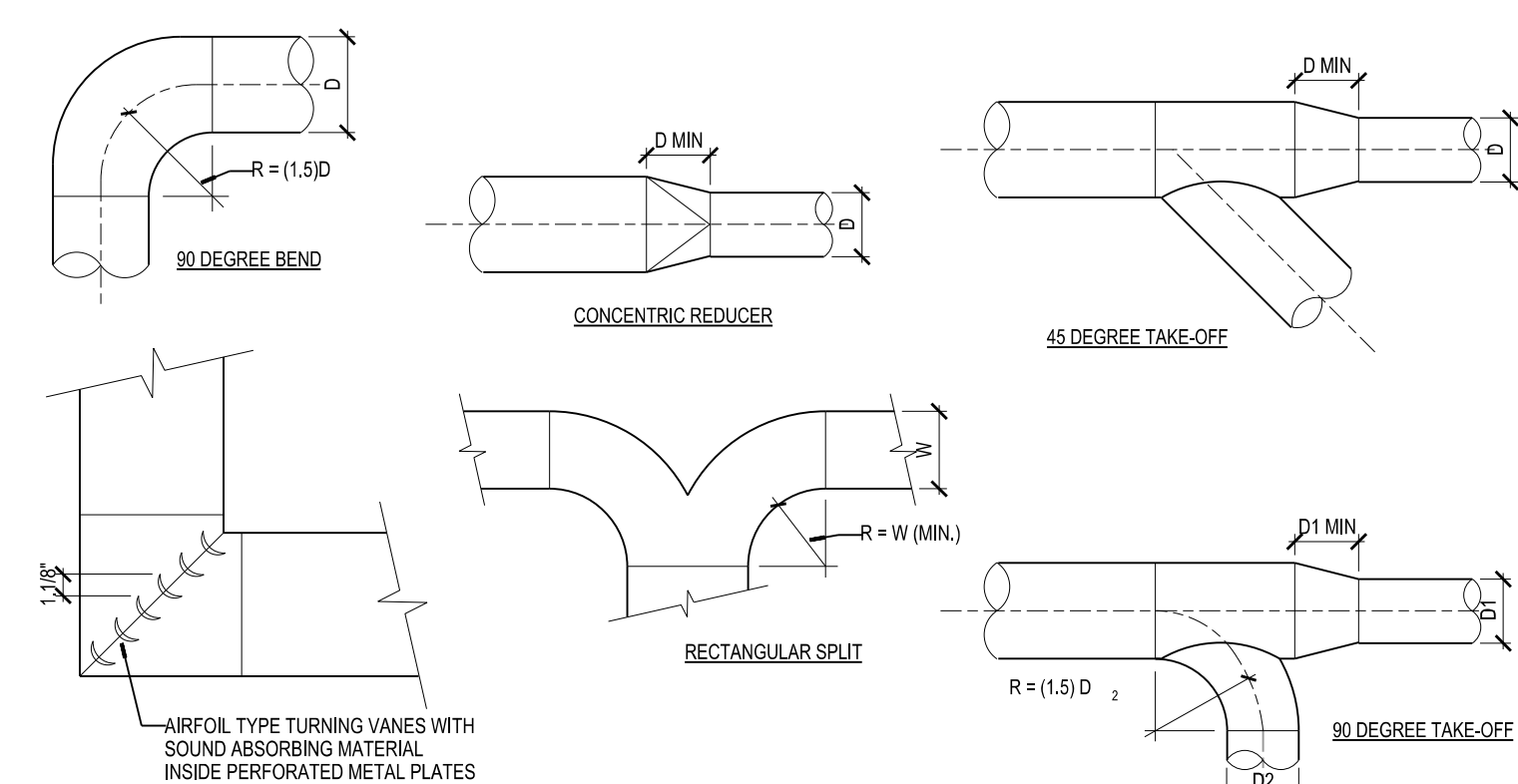
10 NEW HOT WATER HEATING SCHEMATIC  
M301 SCALE: NO SCALE

06 GAS PIPING CONNECTION DETAIL  
M301 SCALE: 1"=1'-0"

02 LOUVER INSTALLATION DETAIL  
M301 SCALE: NONE



09 PIPE HANGER DETAIL  
M301 SCALE: NONE



05 TYPICAL DUCT FITTINGS  
M301 SCALE: NONE

SCALE: 1/4"=1'-0"  
PLOTTED BY: BAW

ORIGINAL SIZE: 24" x 36"  
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PROJECT NUMBER: 56790

APPROVED BY: J.H.

REVIEWED BY: JCT

DRAWN BY: S.J.G.

MECHANICAL DETAILS AND SCHEDULES

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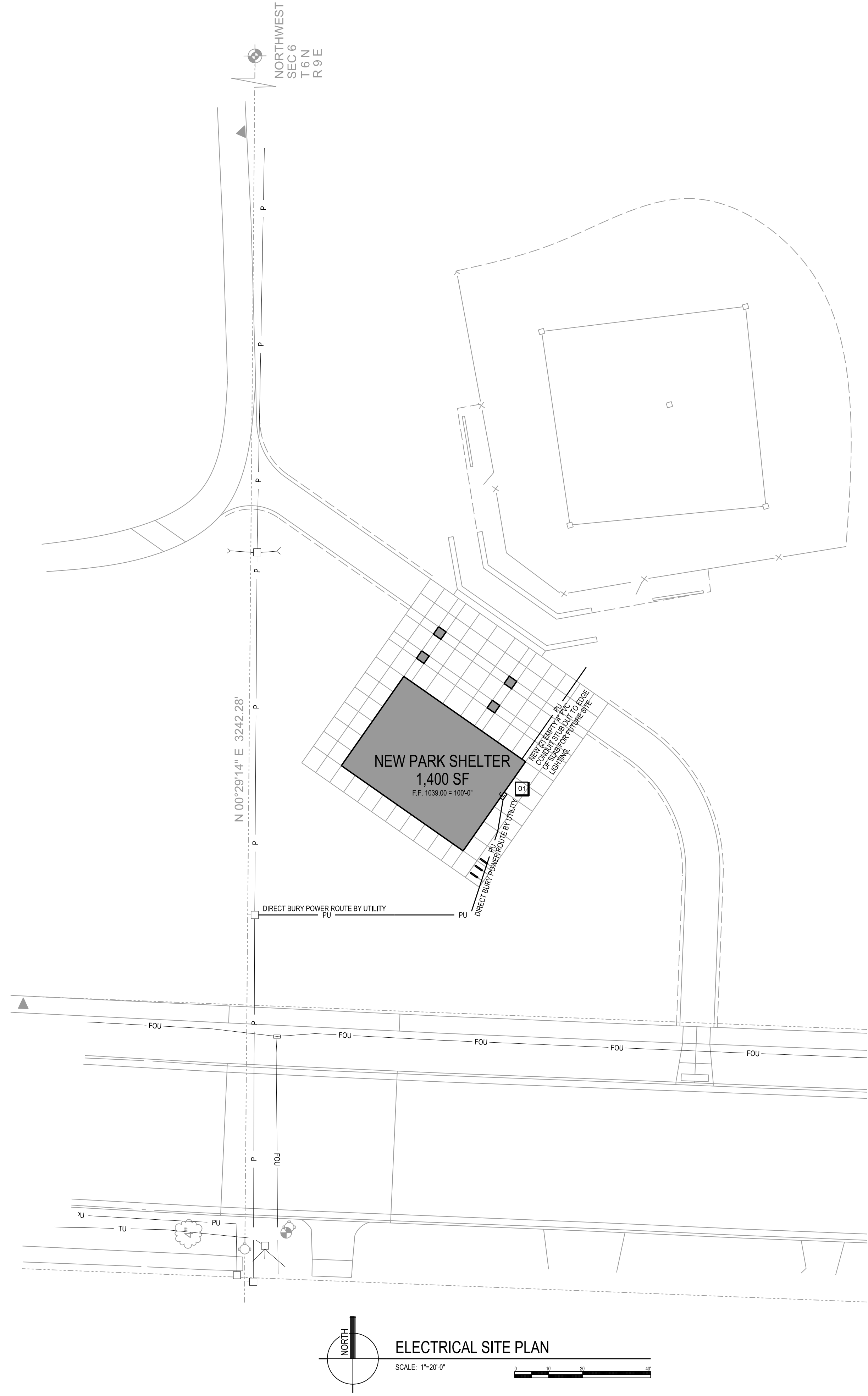
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HUEGEL-JAMESTOWN PARK SHELTER CITY OF FITCHBURG FITCHBURG, WI

M301

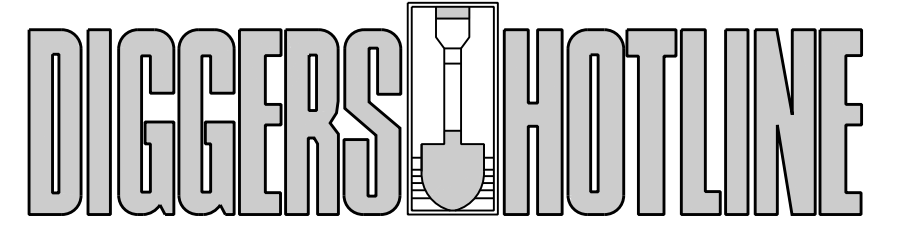
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ORIGINAL SIZE: 24" x 36"  
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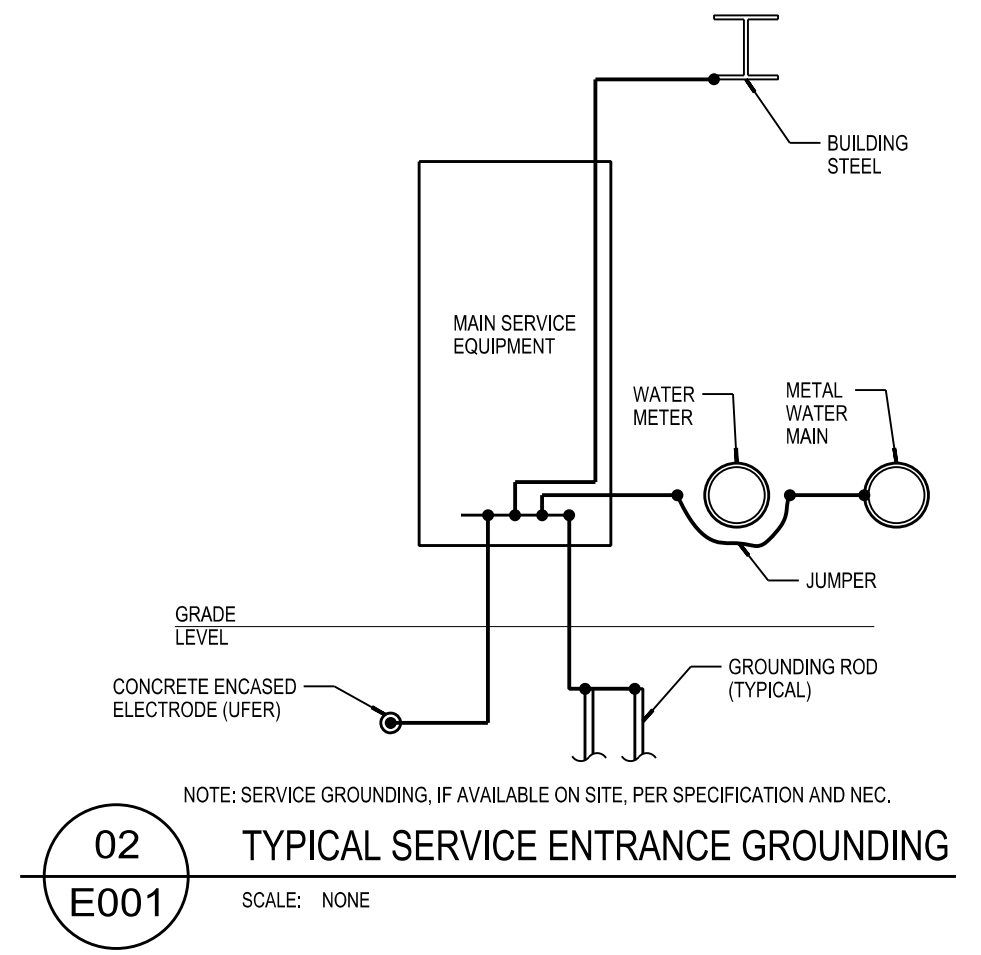


ELECTRICAL SITE PLAN

SCALE: 1"=20'-0"



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02 TYPICAL SERVICE ENTRANCE GROUNDING  
 E001 SCALE: NONE

KEYNOTES

- 01 ELECTRICAL CONTRACTOR TO STUB OUT (1) 4" UNDERGROUND CONDUIT FROM DS-1 TO EDGE OF SLAB FOR UTILITY SERVICE. COORDINATE WITH LOCAL UTILITY.

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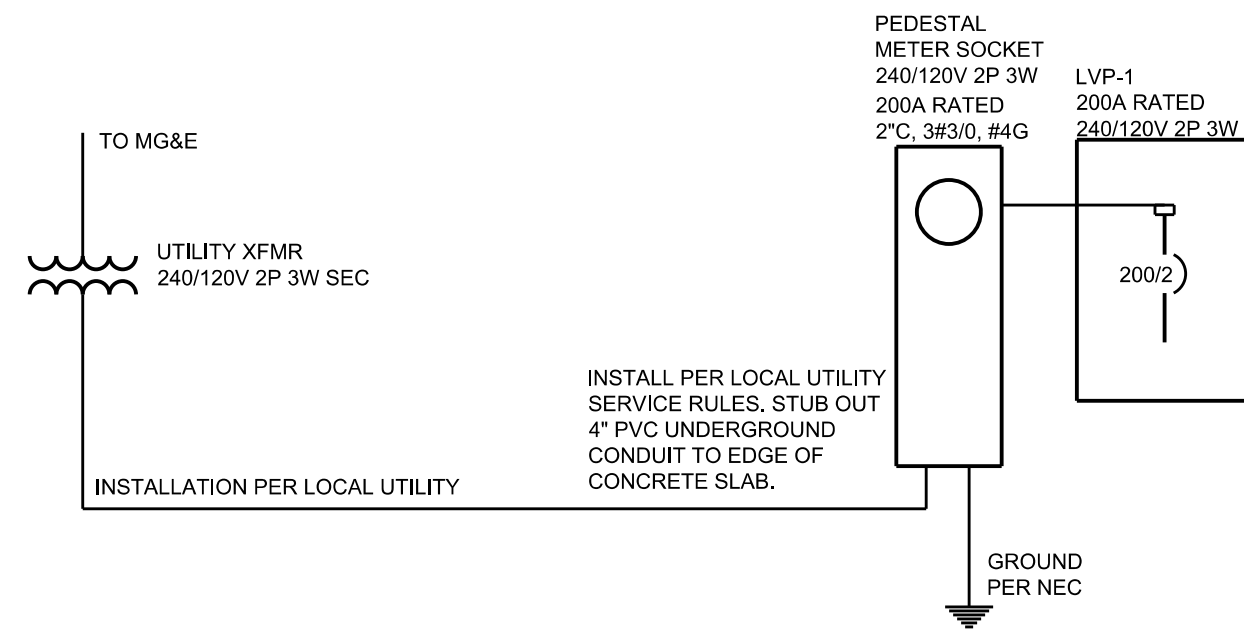
ELECTRICAL SITE PLAN

E001

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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					
NOTE									
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 MAU-1	0.431	
7	20/1	HWP-1		1.66	8	60/2			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		0	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%)	CONTINUOUS		0	0	(125%)
LARGEST MOTOR		10	12.5	(125%)	HEATING		0	0	(100%)
OTHER MOTORS		10.8	10.8	(100%)	NONCONTINUOUS		0	0	(100%)
RECEPTACLES		2.88	2.88	(50%-10)	KITCHEN EQUIP		0	0	(N/A)
					NONCOIN/DIVERSE		0	0	(N/A)
					TOTAL KVA		24.2	26.8	
					BALANCED PHASE AMPS		112		



ONE-LINE DIAGRAM  
SCALE: NONE

CALLOUT	SYMBOL	LAMP	DESCRIPTION	BALLAST	MOUNTING	MODEL	INPUT WATTS	VOLTS	NOTE 1	NOTE 2
A		(1) 26W LED, 3500K	1'X4' SURFACE MOUNTED LED	LED DRIVER	CEILING	LUMINAIRE LED VPF84-25W HP-3500K-120-CP-BLK-DIM OR APPROVED EQUAL.	26	120V 1P 2W	CONTROL FIXTURE VIA OCCUPANCY SENSOR UNLESS NOTED OTHERWISE.	PROVIDE WITH 0-10V DIMMING CONTROLLED VIA DAYLIGHT SENSOR OR OVERRIDE WHERE APPLICABLE.
ANL		(1) 26W LED, 3500K	1'X4' SURFACE MOUNTED LED	LED DRIVER	CEILING	LUMINAIRE LED VPF84-25W HP-3500K-120-CP-BLK-LEDNL OR APPROVED EQUAL.	26	120V 1P 2W	CONTROL VIA EXTERIOR PHOTOCELL.	WIRE TO UNSWITCHED DEDICATED NIGHT LIGHTING CIRCUIT.
C		(1) LED, 3500K	SURFACE MOUNTED LED	LED DRIVER	CEILING	LUMINAIRE LED SWP1212-14W HP-3500K-120-CP-BLK OR APPROVED EQUAL.	13.4	120V 1P 2W	CONTROL VIA OCCUPANCY SENSOR.	
EM		(1)	EMERGENCY DOUBLE HEAD	ELECTRONIC	CEILING	SURELITES CC3NC-WH-120-MRT-WG1 OR APPROVED EQUAL.	5.4	120V 1P 2W	MOUNT AT 9'-6" ABOVE FINISH FLOOR.	PROVIDE WIREGUARD.
OA		(1) LED, 5000K	LED WALL PACK	LED DRIVER	CEILING	LUMARK XTOR1A OR EQUAL.	0.137	120V 1P 2W	MOUNTING HEIGHT PER BUILDING ELEVATIONS.	CONTROLLED BY BUILDING MOUNTED PHOTOCELL.
R		(1)	EXTERIOR REMOTE DOUBLE HEAD	ELECTRONIC	CEILING	SURELITES 6X54DWMHWG9 OR APPROVED EQUAL.	5.4	120V 1P 2W	MOUNT AT 8'-0" ABOVE FINISH GRADE.	PROVIDE WIREGUARD.
X		(1)	UNIVERSAL COMBINATION EMERGENCY/EXIT SIGN	BATTERY	WALL	SURELITES LPX7DH SERIES OR APPROVED EQUAL.	7.9	120V 1P 2W	WALL MOUNT AT 8'-0" ABOVE FINISHED FLOOR IN TOILET ROOMS AND 9'-6" IN SHELTER SPACE.	PROVIDE WIREGUARD

CALLOUT	SYMBOL	NEMA	VOLTS	FEATURES	NOTE 1	NOTE 2
DUPLEX		5-20R	120V 1P 2W	GND	MOUNT @ 18" TO BOTTOM UNLESS NOTED OTHERWISE	
RAISED DUPLEX		5-20R	120V 1P 2W	GND	MOUNT @ 44" TO BOTTOM UNLESS NOTED OTHERWISE	
RAISED GFCI DUPLEX		5-20R	120V 1P 2W	GND	MOUNT @ 44" TO BOTTOM UNLESS NOTED OTHERWISE	
WEATHERPROOF GFCI DUPLEX		5-20R	120V 1P 2W	GND	MOUNT @ 24" TO BOTTOM UNLESS NOTED OTHERWISE	PROVIDE WITH IN-USE WEATHER PROOF COVER

CALLOUT	SYMBOL	NOTE 1	NOTE 2	NOTE 3
DOOR CONTACT		PROVIDE 1/2" CONDUIT TO MECHANICAL ROOM FOR WIRING BY SECURITY CONTRACTOR.	UNIT PROVIDED BY SECURITY CONTRACTOR.	
ELECTRIC STRIKE		PROVIDE 1/2" CONDUIT TO MECHANICAL ROOM FOR WIRING BY SECURITY CONTRACTOR.	UNIT PROVIDED BY SECURITY CONTRACTOR.	

CALLOUT	SYMBOL	NOTE 1	NOTE 2	NOTE 3
1 POLE SWITCH		MOUNT AT 44" TO BOTTOM UNLESS NOTED OTHERWISE		
3 WAY SWITCH		MOUNT AT 44" TO BOTTOM UNLESS NOTED OTHERWISE		
4 WAY SWITCH		MOUNT AT 44" TO BOTTOM UNLESS NOTED OTHERWISE		
EXTERIOR PHOTOCELL - LINE VOLTAGE		LOCATE UNDER SOFFIT ABOVE CANOPY ON NORTH WALL OR WHERE SHOWN ON FLOORPLAN	PHOTOCELL TO BE BUTTON TYPE.	
INDOOR DAYLIGHT SENSOR - DIMMING		PROVIDE REQUIRED COMPONENTS FOR DIMMING OF 0-10 VDC BALLASTS IN EACH LIGHT FIXTURE IN DAYLIT ZONES INDICATED ON FLOORPLAN. VERIFY COMPATIBILITY WITH BALLASTS.	DAYLIGHTING CONTROL TO BE "CLOSED LOOP" IN SERIES WITH OTHER LIGHTING CONTROLS OF FIXTURES	ACCEPTABLE MODELS: WATTSTOPPER LS-301, SENSORSWITCH CMR-ADC AND GREENGATE DLC-PD-DIM
KEYED SWITCH		PROVIDE KEYED SWITCH FOR CONTROL OF LOCAL OVERHEAD DOOR OPERATOR.		
TYPE 1 CEILING OCCUPANCY SENSOR		DUAL TECHNOLOGY LOW VOLTAGE 360 DEGREE CEILING SENSOR	PROVIDE REQUIRED POWER PACKS/RELAYS REQUIRED TO ACHIEVE INDICATED CONTROL	ACCEPTABLE MODELS: WATTSTOPPER DT300, SENSORSWITCH CM PFD 9; AND GREENGATE OMC-DT 2000-R

CALLOUT	SYMBOL	DESCRIPTION	LOCATION	VOLTS	AMPS	KVA	HP	CIRCUIT	NOTE 1	NOTE 2	NOTE 3
HD-1		HAND DRYER		120V 1P 2W	12.5	1.5		LVP-1-23	PROVIDE CONNECTION TO UNIT.	COORDINATE LOCATION WITH GENERAL CONTRACTOR.	
HD-2		HAND DRYER		120V 1P 2W	12.5	1.5		LVP-1-25	PROVIDE CONNECTION TO UNIT.	COORDINATE LOCATION WITH GENERAL CONTRACTOR.	
OHD-1		OVERHEAD DOOR	INDOOR SHELTER 101	120V 1P 2W	9.8	1.18	1/2 HP	LVP-1-1	PROVIDE MOTOR RATED TOGGLE SWITCH DISCONNECT AT UNIT.	INSTALL KEYED SWITCH PROVIDED BY DOOR CONTRACTOR FOR OVERHEAD DOOR CONTROL.	
OHD-2		OVERHEAD DOOR	INDOOR SHELTER 101	120V 1P 2W	9.8	1.18	1/2 HP	LVP-1-2	PROVIDE MOTOR RATED TOGGLE SWITCH DISCONNECT AT UNIT.	INSTALL KEYED SWITCH PROVIDED BY DOOR CONTRACTOR FOR OVERHEAD DOOR CONTROL.	
OHD-3		OVERHEAD DOOR	INDOOR SHELTER 101	120V 1P 2W	9.8	1.18	1/2 HP	LVP-1-3	PROVIDE MOTOR RATED TOGGLE SWITCH DISCONNECT AT UNIT.	INSTALL KEYED SWITCH PROVIDED BY DOOR CONTRACTOR FOR OVERHEAD DOOR CONTROL.	
OHD-4		OVERHEAD DOOR	INDOOR SHELTER 101	120V 1P 2W	9.8	1.18	1/2 HP	LVP-1-4	PROVIDE MOTOR RATED TOGGLE SWITCH DISCONNECT AT UNIT.	INSTALL KEYED SWITCH PROVIDED BY DOOR CONTRACTOR FOR OVERHEAD DOOR CONTROL.	

CALLOUT	SYMBOL	DESCRIPTION	LOCATION	VOLTS	AMPS	KVA	HP	CIRCUIT	NOTE 1	NOTE 2	NOTE 3
B-1		BOILER	MECHANICAL 103	120V 1P 2W	9.8	1.18	1/2 HP	LVP-1-5	PROVIDE TOGGLE SWITCH DISCONNECT AT UNIT.		
EF-1		EXHAUST FAN	MENS TOILET 104	120V 1P 2W	0.8	0.1	F HP	LVP-1-6	PROVIDE CONNECTION TO INTEGRAL DISCONNECT SWITCH.	CONTROL VIA LOCAL OCCUPANCY SENSOR WITH AUXILIARY RELAY.	
EF-2		EXHAUST FAN	MECHANICAL 103	120V 1P 2W	0.8	0.1	F HP	LVP-1-6	PROVIDE CONNECTION TO INTEGRAL DISCONNECT SWITCH.	CONTROL VIA LOCAL OCCUPANCY SENSOR WITH AUXILIARY RELAY.	
EF-3		EXHAUST FAN	WOMENS TOILET ROOM 102	120V 1P 2W	0.8	0.1	F HP	LVP-1-6	PROVIDE CONNECTION TO INTEGRAL DISCONNECT SWITCH.	CONTROL VIA LOCAL OCCUPANCY SENSOR WITH AUXILIARY RELAY.	
HWP-1		HOT WATER PUMP	MECHANICAL 103	120V 1P 2W	13.8	1.66	3/4 HP	LVP-1-7	PROVIDE MOTOR RATED TOGGLE SWITCH DISCONNECT AT UNIT.		
MAU-1		MAKE-UP AIR UNIT	MECHANICAL 103	208V 2P 2W	48.1	10		LVP-1-8,10	PROVIDE CONNECTION TO INTEGRAL DISCONNECT SWITCH.		

SCALE: 1/8"=1'-0"  
PLOTTED BY: calmk

ORIGINAL SIZE: 24" x 36"  
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HUEGEL-JAMESTOWN  
PARK SHELTER  
CITY OF FITCHBURG  
FITCHBURG, WI

PROJECT NUMBER: 5790  
APPROVED BY: J.H.  
REVIEWED BY: J.C.T.  
DRAWN BY: C.T.K.  
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ELECTRICAL SCHEDULES & ONE-LINE DIAGRAM  
**E301**

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